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**BEOBACHTUNGEN**  
**AM MERIDIANKREIS**  
**IN DEN JAHREN 1899—1902**  
**UND DEREN BEARBEITUNG**  
**VON**  
**DR. E. F. VAN DE SANDE BAKHUYZEN**  
**UND**  
**DR. A. PANNEKOEK**

# BEOBACHTUNGEN

AM

## MERIDLANKREISE

1899—1902.

I

## DURCHGANGSBEOBSACHTUNGEN.

## BEMERKUNGEN.

Obwohl in diesen Jahren keine Beobachtungen der Sonne angestellt wurden, ist doch consequenterweise der Tagesanfang stets auf dem wahren Mittag gesetzt.

Alle Beobachtungen eines Tages wurden fortlaufend numerirt; wo also ein Stern nur in Declination beobachtet wurde fehlt hier der betreffende Nummer.

Eine Cursifzahl in der 4<sup>ten</sup> Kolumne bedeutet eine Durchgangszeit nach der Uhr Hohwü n° 46.

Die Kolumne „Correction von Hohwü 17“ enthält für die Sterne, welche nicht ausschliesslich für die Bestimmung des Uhrstandes dienten, den *berechneten* Uhrstand. Für die „Zeitsterne“ dagegen ist die *beobachtete* Correction angegeben. Ebenso enthält die Kolumne „Scheinbare Rectascension“ im ersteren Falle die aus den Beobachtungen geschlossenen Werthe, im letzteren die (corrigirten) Oerter des Berliner Jahrbuchs. Die »Zeitsterne“ sind daran kenntlich, dass die letzte Kolumne (Rectascension 1900,0) nicht ausgefüllt ist.

Ein \* neben der Helligkeitsgleichung, welche in Tausendtel der Zeitsecunde angesetzt ist, bedeutet, dass wegen Nebel oder Wolken eine abweichende Helligkeit angenommen wurde, die in den Bemerkungen am Fusse zu finden ist.

| Nr.                   | Stern                               | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich         | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17         | i I.   | k K.   | c C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                     | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Pracection | Helligk. Gleichung | Rectascension<br>1900,0 |
|-----------------------|-------------------------------------|------------|--|------------------------------|--|--------|--------|--------|-----------------------------|--|----------------------------------|--------------------|--------------------|-------------------------|
| 1899 Juli 11 Arm Ost. |                                     |            |  |                              |  |        |        |        |                             | +0 <sup>m</sup>                                      |                                  |                    |                    |                         |
| 1                     | 110 Herculis                        | B          | 18 <sup>h</sup> 38 <sup>m</sup> 16 <sup>s</sup> ,456 | 20                           | 18 <sup>h</sup> 41 <sup>m</sup> 13 <sup>s</sup> ,678 | -0,020 | +0,073 | +0,298 | 8,581                       | 18 <sup>h</sup> 41 <sup>m</sup> 22 <sup>s</sup> ,603 |                                  |                    | -                  | 7                       |
| 2                     | $\beta$ Lyrae                       | "          | 43 18,464  | 23                           | 46 15,682  | -0,025 | +0,051 | +0,333 | 584                         | 46 24,629  |                                  |                    | +                  | 4                       |
| 3                     | $\eta$ 1 Serpentes                  | "          | 48 9,743   | 22                           | 51 6,957   | -0,015 | +0,098 | +0,280 | 562                         | 51 15,868  |                                  |                    | -                  | 14                      |
| 4                     | H 46 56 <sup>m</sup> 0 <sup>s</sup> | "          | 51 36,381  | 24                           | 54 33,603  |        |        |        |                             |  |                                  |                    |                    |                         |
| 5                     | H 17 0 <sup>m</sup> 0 <sup>s</sup>  | "          | 57 2,793   | 25                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| Juli 14 Arm Ost.      |                                     |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1                     | $\gamma$ Aquilae                    | B          | 19 38 29,442   | 9                            | 19 41 23,030   | -0,026 | +0,125 | +0,298 | 7,925                       | 19 41 31,365   |                                  |                    | +                  | 13                      |
| 2                     | $\alpha$ Aquilae                    | "          | 42 53,265  | 23                           | 45 46,850  | -0,025 | +0,129 | +0,296 | 938                         | 45 55,260  |                                  |                    | +                  | 72                      |
| 3                     | $\beta$ Aquilae                     | "          | 47 23,152  | 23                           | 50 16,733  | -0,024 | +0,134 | +0,295 | 940                         | 50 25,077  |                                  |                    | -                  | 1                       |
| 4                     | H 46 58 <sup>m</sup> 0 <sup>s</sup> | "          | 53 38,705  | 22                           | 56 31,727  |        |        |        |                             |  |                                  |                    |                    |                         |
| 5                     | H 17 1 <sup>m</sup> 0 <sup>s</sup>  | "          | 58 6,427   | 24                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| Juli 17 Arm Ost.      |                                     |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1                     | $\alpha$ Ophiuchi                   | B          | 17 27 19,767   | 18                           | 17 30 10,456   | -0,044 | +0,085 | +0,294 | 7,583                       | 17 30 18,400   |                                  |                    | +                  | 26                      |
| 2                     | $\beta$ Ophiuchi                    | "          | 35 34,191  | 23                           | 38 24,874  | -0,038 | +0,096 | +0,288 | 554                         | 38 32,786  |                                  |                    | +                  | 12                      |
| 3                     | $\mu$ Herculis                      | "          | 39 35,202  | 23                           | 42 25,881  | -0,058 | +0,061 | +0,325 | 543                         | 42 33,756  |                                  |                    | +                  | 4                       |
| 4                     | H 46 52 <sup>m</sup> 0 <sup>s</sup> | "          | 47 40,279  | 24                           | 50 30,501  |        |        |        |                             |  |                                  |                    |                    |                         |
| 5                     | H 17 55 <sup>m</sup> 0 <sup>s</sup> | "          | 52 9,330   | 24                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| Juli 25 Arm Ost.      |                                     |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1                     | $\alpha$ Ophiuchi                   | B          | 17 27 31,541   | 19                           | 17 30 11,976   | -0,055 | +0,107 | +0,294 | 6,036                       | 17 30 18,384   |                                  |                    | +                  | 26                      |
| 2                     | $\beta$ Ophiuchi                    | "          | 35 45,992  | 23                           | 38 26,420  | -0,047 | +0,121 | +0,288 | 5,990                       | 38 32,784  |                                  |                    | +                  | 12                      |
| 3                     | $\mu$ Herculis                      | "          | 39 46,915  | 23                           | 42 27,339  | -0,071 | +0,077 | +0,325 | 6,053                       | 42 33,727  |                                  |                    | +                  | 4                       |
| 4                     | H 46 49 <sup>m</sup> 0 <sup>s</sup> | "          | 44 47,177  | 24                           | 47 27,597  |        |        |        |                             |  |                                  |                    |                    |                         |
| 5                     | H 17 52 <sup>m</sup> 0 <sup>s</sup> | "          | 49 19,584  | 24                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| Juli 31 Arm Ost.      |                                     |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1                     | $\alpha$ Ophiuchi                   | B          | 17 27 40,080   | 17                           | 17 30 12,828   | -0,050 | +0,035 | +0,293 | 5,194                       | 17 30 18,326   |                                  |                    | +                  | 26                      |
| 2                     | $\beta$ Ophiuchi                    | "          | 35 54,494  | 17                           | 38 27,235  | -0,043 | +0,039 | +0,287 | 205                         | 38 32,735  |                                  |                    | +                  | 12                      |
| 3                     | $\mu$ Herculis                      | "          | 39 55,410  | 19                           | 42 28,148  | -0,065 | +0,025 | +0,323 | 219                         | 42 33,654  |                                  |                    | +                  | 4                       |
| 4                     | H 46 50 <sup>m</sup> 0 <sup>s</sup> | "          | 45 52,114  | 25                           | 48 27,847  |        |        |        |                             |  |                                  |                    |                    |                         |
| 5                     | H 17 54 <sup>m</sup> 0 <sup>s</sup> | "          | 51 27,272  | 24                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| August 3 Arm Ost.     |                                     |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1                     | 109 Herculis                        | B          | 18 16 53,097   | 15                           | 18 19 22,173   | -0,048 | +0,041 | +0,306 | 4,752                       | 18 19 27,223   |                                  |                    | -                  | 1                       |
| 2                     | 110 Herculis                        | "          | 38 48,510  | 14                           | 41 17,568  | -0,047 | +0,043 | +0,303 | 720                         | 41 22,580  |                                  |                    | -                  | 7                       |
| 3                     | $\beta$ Lyrae                       | "          | 43 50,429  | 11                           | 46 19,482  | -0,059 | +0,029 | +0,339 | 771                         | 46 24,566  |                                  |                    | +                  | 4                       |
| 4                     | H 46 52 <sup>m</sup> 0 <sup>s</sup> | "          | 47 54,568  | 24                           | 50 23,644  |        |        |        |                             |  |                                  |                    |                    |                         |
| 5                     | H 17 57 <sup>m</sup> 0 <sup>s</sup> | "          | 54 30,956  | 24                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| August 9 Arm Ost.     |                                     |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1                     | 110 Herculis                        | B          | 18 38 57,074   | 10                           | 18 41 18,887   | -0,100 | +0,045 | +0,309 | 3,411                       | 18 41 22,545   |                                  |                    | -                  | 7                       |
| 2                     | $\beta$ Lyrae                       | "          | 43 59,024  | 23                           | 46 20,833  | -0,124 | +0,031 | +0,347 | 423                         | 46 24,513  |                                  |                    | +                  | 4                       |
| 3                     | H 46 18 <sup>m</sup> 0 <sup>s</sup> | "          | 19 13 59,383   | 24                           | 19 16 21,170   |        |        |        |                             |  |                                  |                    |                    |                         |
| 4                     | H 17 20 <sup>m</sup> 0 <sup>s</sup> | "          | 17 38,216  | 24                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| August 14 Arm Ost.    |                                     |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1                     | $\alpha$ Aquilae                    | B          | 19 10 48,520   | 23                           | 19 13 5,633  | -0,063 | +0,009 | +0,292 | 2,568                       | 19 13 3,405  |                                  |                    | -                  | 34                      |
| 2                     | $\delta$ Aquilae                    | "          | 18 8,565   | 23                           | 20 25,673  | -0,053 | +0,011 | +0,286 | 505                         | 20 28,425  |                                  |                    | +                  | 3                       |
| 3                     | $\beta$ Cygni                       | "          | 24 22,635  | 14                           | 26 39,740  | -0,083 | +0,007 | +0,323 | 547                         | 26 42,544  |                                  |                    | +                  | 10                      |

Aug 14. (1) Durch Wolken 1 Grkl. geschwächt.

| Nr.                     | Stern                              | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich       | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17        | i I.                | k K.                 | c C.                 | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                    | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0 |
|-------------------------|------------------------------------|------------|--|------------------------------|---|---------------------|----------------------|----------------------|-----------------------------|---|----------------------------------|---------------------|-----------------------|-------------------------|
| 1899 August 14 (Forts.) |                                    |            |  |                              |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 4                       | H46 38 <sup>m</sup> 0 <sup>s</sup> | B          | 19 <sup>h</sup> 34 <sup>m</sup> 2 <sup>s</sup> 092 | 27                           | 19 <sup>h</sup> 36 <sup>m</sup> 19 <sup>s</sup> 205 |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 5                       | H17 41 <sup>m</sup> 0 <sup>s</sup> | "          | 38 42,905  | 24                           |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| August 21 Arm Ost.      |                                    |            |  |                              |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 1                       | β Lyrae                            | B          | 18 44 11,987                                       | 22                           | 18 46 23,056  | -0 <sup>s</sup> 146 | - 0 <sup>s</sup> 004 | + 0 <sup>s</sup> 354 | 1 <sup>s</sup> 105          | 18 <sup>h</sup> 46 <sup>m</sup> 24 <sup>s</sup> 369 |                                  |                     | + 4                   |                         |
| 2                       | ε <sup>1</sup> Serpentis           | "          | 49 3,497   | 23                           | 51 14,563   | -0,087              | - 0,010              | + 0,297              | 049                         | 51 15,798   |                                  |                     | - 14                  |                         |
| 3                       | γ Lyrae                            | "          | 53 0,930   | 23                           | 55 11,993   | -0,144              | - 0,005              | + 0,351              | 095                         | 55 13,297   |                                  |                     | + 7                   |                         |
| 4                       | H46 1 <sup>m</sup> 0 <sup>s</sup>  | "          | 57 5,435   | 24                           | 59 16,496   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 5                       | H17 4 <sup>m</sup> 0 <sup>s</sup>  | "          | 19 1 48,942  | 24                           |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| August 26 Arm Ost.      |                                    |            |  |                              |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 1                       | β Cygni                            | B          | 19 24 35,404                                       | 19                           | 19 26 42,101  | -0,061              | + 0,001              | + 0,270              | +0,101                      | 19 26 42,422  |                                  |                     | + 10                  |                         |
| 2                       | γ Aquilae                          | "          | 39 24,414  | 22                           | 41 31,102   | -0,045              | + 0,002              | + 0,243              | +0,072                      | 41 31,387   |                                  |                     | + 13                  |                         |
| 3                       | α Aquilae                          | "          | 43 48,370  | 23                           | 45 55,054   | -0,043              | + 0,002              | + 0,242              | -0,015                      | 45 55,312   |                                  |                     | + 72                  |                         |
| 4                       | H46 58 <sup>m</sup> 0 <sup>s</sup> | "          | 54 8,170   | 24                           | 56 14,847   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 5                       | H17 5 <sup>m</sup> 0 <sup>s</sup>  | "          | 20 2 53,328  | 25                           |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| September 3 Arm Ost.    |                                    |            |  |                              |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 1                       | λ Aquarii                          | B          | 22 45 28,584                                       | 21                           | 22 47 27,585  | -0,037              | + 0,002              | + 0,253              | 2,581                       | 22 47 25,219  |                                  |                     | - 3                   |                         |
| 2                       | H46 54 <sup>m</sup> 0 <sup>s</sup> | "          | 50 13,181  | 24                           | 52 12,179   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 3                       | ν Andromedae                       | "          | 55 24,157  | 22                           | 57 23,151   | -0,098              | 0,000                | + 0,335              | 490                         | 57 20,899   |                                  |                     | + 1                   |                         |
| 4                       | α Pegasi                           | "          | 57 51,490  | 15                           | 59 50,482   | -0,061              | + 0,001              | + 0,258              | 576                         | 59 48,119   |                                  |                     | + 15                  |                         |
| 5                       | H17 4 <sup>m</sup> 0 <sup>s</sup>  | "          | 23 2 1,010   | 25                           |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| September 8 Arm Ost.    |                                    |            |  |                              |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 1                       | ε Delphini                         | B          | 20 26 37,352                                       | 17                           | 20 28 31,107  | -0,039              | - 0,023              | + 0,244              | 4,018                       | 20 28 27,229  |                                  |                     | - *42                 |                         |
| 2                       | α Delphini                         | "          | 33 10,765  | 18                           | 35 4,516  | -0,042              | - 0,022              | + 0,248              | 3,945                       | 35 0,733  |                                  |                     | - *22                 |                         |
| 3                       | α Cygni                            | "          | 36 12,802  | 19                           | 38 6,551  | -0,071              | - 0,006              | + 0,337              | 953                         | 38 2,884  |                                  |                     | + *26                 |                         |
| 4                       | H46 47 <sup>m</sup> 0 <sup>s</sup> | "          | 43 17,016  | 23                           | 45 10,760   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 5                       | H17 49 <sup>m</sup> 0 <sup>s</sup> | "          | 47 6,259   | 26                           |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| September 13 Arm Ost.   |                                    |            |  |                              |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 1                       | ε Aquilae                          | B          | 20 4 25,597  | 18                           | 20 6 14,772   | -0,035              | - 0,110              | + 0,249              | 5,203                       | 20 6 9,677  |                                  |                     | + 4                   |                         |
| 2                       | α Vulpeculae                       | "          | 10 47,252  | 12                           | 12 36,423   | -0,056              | - 0,070              | + 0,273              | 144                         | 12 31,402   |                                  |                     | - 24                  |                         |
| 3                       | γ Cygni                            | "          | 16 55,418  | 22                           | 18 44,585   | -0,074              | - 0,038              | + 0,324              | 223                         | 18 39,600   |                                  |                     | + 26                  |                         |
| 4                       | H46 24 <sup>m</sup> 0 <sup>s</sup> | "          | 20 19,875  | 24                           | 22 9,040  |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 5                       | H17 27 <sup>m</sup> 0 <sup>s</sup> | "          | 25 10,838  | 24                           |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| September 21 Arm Ost.   |                                    |            |  |                              |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 1                       | β Aquarii                          | B          | 21 24 44,424                                       | 21                           | 21 26 27,291  | +0,021              | - 0,245              | + 0,259              | 8,428                       | 21 26 18,876  |                                  |                     | - *22                 |                         |
| 2                       | γ Cygni                            | "          | 31 23,124  | 23                           | 33 5,987  | +0,051              | - 0,079              | + 0,335              | 364                         | 32 57,888   |                                  |                     | - *42                 |                         |
| 3                       | H46 49 <sup>m</sup> 0 <sup>s</sup> | "          | 45 23,679  | 24                           | 47 6,535  |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 4                       | H17 52 <sup>m</sup> 0 <sup>s</sup> | "          | 50 17,146  | 24                           |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| October 5 Arm Ost.      |                                    |            |  |                              |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 1                       | η Aquarii                          | B          | 22 28 54,991                                       | 23                           | 22 30 28,265  | +0,063              | - 0,294              | + 0,258              | 13,936                      | 22 30 14,354  |                                  |                     | - *22                 |                         |
| 2                       | 10 Lacertae                        | "          | 33 28,272  | 23                           | 35 1,544  | +0,129              | - 0,111              | + 0,330              | 929                         | 34 47,946   |                                  |                     | - 17                  |                         |
| 3                       | η Pegasi                           | "          | 37 0,667   | 19                           | 38 33,937   | +0,110              | - 0,163              | + 0,296              | 940                         | 38 20,252   |                                  |                     | + 12                  |                         |
| 4                       | H46 51 <sup>m</sup> 0 <sup>s</sup> | "          | 47 30,004  | 24                           | 49 3,269  |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 5                       | H17 54 <sup>m</sup> 0 <sup>s</sup> | "          | 52 26,737  | 24                           |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| October 9 Arm Ost.      |                                    |            |  |                              |   |                     |                      |                      |                             |   |                                  |                     |                       |                         |
| 1                       | Polaris U. C.                      | W          | 13 26 15,03  | 22                           | 13 24 17,54   | -3,34               | -12,28               | -12,01               | 14,42                       | 13 23 35,49   |                                  |                     |                       |                         |

Aug. 22 und 25. Objektiv ab- und auseinandergenommen. Sept. 8. Wolkenschleier; (1) geschätzt Gr. 7,0; (2) gesch. 5,5; (3) gesch. 2,5. Sept. 21. Wolken; (1) abwechselnd 3-8, angen. 5,5; (2) 6-8, angen. 7,0; nachher ganz bedeckt. Oct. 5. Wolken; Sterne sehr unruhig (1) geschätzt 5,5.

| Nr.                     | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich              | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17              | i I.   | k K.    | c C.    | Corr. von Hohwü 17 | Scheinbare Rect-ascension                           | Red. auf Jahres-anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension 1900,0 |
|-------------------------|--------------------------------------|------------|---|---------------------------|---|--------|---------|---------|--------------------|---|------------------------|---------------------|--------------------|----------------------|
| 1899 October 9 (Forts.) |                                      |            |   |                           |   |        |         |         |                    |   |                        |                     |                    |                      |
| 2                       | $\eta$ Aquarii                       | B          | 22 <sup>h</sup> 28 <sup>m</sup> 58 <sup>s</sup> 387 | 23                        | 22 <sup>h</sup> 30 <sup>m</sup> 28 <sup>s</sup> 734 | +0,061 | - 0,316 | + 0,269 | 14,431             | 22 <sup>h</sup> 30 <sup>m</sup> 14 <sup>s</sup> 310 |                        |                     | - 7                |                      |
| 3                       | $\iota$ Lacertae                     | "          | 33 31,711   | 23                        | 35 2,055  | +0,125 | - 0,120 | + 0,344 | 475                | 34 47,912   |                        |                     | - 17               |                      |
| 4                       | $\eta$ Pegasi                        | "          | 37 4,096  | 21                        | 38 34,438   | +0,107 | - 0,175 | + 0,310 | 465                | 38 20,227   |                        |                     | + 12               |                      |
| 5                       | H 46 46 <sup>m</sup> 0 <sup>s</sup>  | "          | 42 31,967   | 24                        | 44 2,307  |        |         |         |                    |   |                        |                     |                    |                      |
| 6                       | H 17 48 <sup>m</sup> 0 <sup>s</sup>  | "          | 46 29,662   | 24                        |   |        |         |         |                    |   |                        |                     |                    |                      |
| 7                       | Polaris O. C.                        | "          | 1 25 19,38  | 11                        | 1 23 21,76  | +3,56  | +11,35  | +12,58  | 14,48              | 1 23 34,77  |                        |                     |                    |                      |
| 8                       | " "                                  | P          | 25 20,16  | 6                         | 23 22,54  | "      | "       | "       | 48                 | 23 35,55  |                        |                     |                    |                      |
| October 10 Arm Ost.     |                                      |            |   |                           |   |        |         |         |                    |   |                        |                     |                    |                      |
| 1                       | Polaris U. C.                        | P          | 13 26 16,51   | 20                        | 13 24 18,77   | -3,78  | -13,20  | -11,97  | 14,55              | 13 23 35,27   |                        |                     |                    |                      |
| 2                       | Polaris O. C.                        | "          | 1 25 21,74  | 7                         | 1 23 23,87  | +3,41  | +11,27  | +12,67  | 14,63              | 1 23 36,59  |                        |                     |                    |                      |
| 3                       | " "                                  | B          | 25 19,83  | 13                        | 23 21,96  | "      | "       | "       | 63                 | 23 34,68  |                        |                     |                    |                      |
| October 11 Arm Ost.     |                                      |            |   |                           |   |        |         |         |                    |   |                        |                     |                    |                      |
| 1                       | Polaris U. C.                        | W          | 13 26 17,31   | 11                        | 13 24 19,31   | -3,88  | -12,67  | -12,06  | 14,72              | 13 23 35,98   |                        |                     |                    |                      |
| 2                       | " "                                  | P          | 26 18,06  | 12                        | 24 20,06  | "      | "       | "       | 72                 | 23 36,73  |                        |                     |                    |                      |
| 3                       | H 46 40 <sup>m</sup> 0 <sup>s</sup>  | W          | 15 36 32,862  | 21                        |   |        |         |         |                    |   |                        |                     |                    |                      |
| 4                       | H 17 41 <sup>m</sup> 0 <sup>s</sup>  | "          | 39 30,891   | 11                        |   |        |         |         |                    |   |                        |                     |                    |                      |
| October 16 Arm Ost.     |                                      |            |   |                           |   |        |         |         |                    |   |                        |                     |                    |                      |
| 1                       | Polaris U. C.                        | W          | 13 26 20,80   | 19                        | 13 24 21,29   | -3,01  | -13,09  | -12,12  | 15,89              | 13 23 37,18   |                        |                     |                    |                      |
| 2                       | H 17 13 <sup>m</sup> 0 <sup>s</sup>  | "          | 17 11 34,450  | 11                        |   |        |         |         |                    |   |                        |                     |                    |                      |
| 3                       | H 46 17 <sup>m</sup> 0 <sup>s</sup>  | "          | 13 34,894   | 11                        |   |        |         |         |                    |   |                        |                     |                    |                      |
| 4                       | $\mu$ Andromedae                     | P          | 0 50 4,161  | 23                        | 0 51 29,424   | +0,099 | - 0,136 | + 0,342 | 15,748             | 0 51 13,980   |                        |                     | - 1                |                      |
| 5                       | $\epsilon$ Piscium                   | "          | 56 37,200   | 23                        | 58 2,460  | +0,058 | - 0,308 | + 0,272 | 759                | 57 46,719   |                        |                     | - 4                |                      |
| 6                       | $\beta$ Andromedae                   | "          | 1 3 0,005   | 23                        | 1 4 25,262  | +0,095 | - 0,155 | + 0,330 | 767                | 1 4 9,775   |                        |                     | + 10               |                      |
| 7                       | H 46 9 <sup>m</sup> 30 <sup>s</sup>  | "          | 6 5,091   | 25                        | 7 30,347  |        |         |         |                    |   |                        |                     |                    |                      |
| 8                       | H 17 10 <sup>m</sup> 40 <sup>s</sup> | "          | 9 14,746  | 25                        |   |        |         |         |                    |   |                        |                     |                    |                      |
| 9                       | $\nu$ Piscium                        | "          | 12 50,271   | 20                        | 14 15,524   | +0,082 | - 0,209 | + 0,302 | 15,811             | 13 59,882   |                        |                     | - 6                |                      |
| 10                      | Polaris O. C.                        | "          | 1 25 25,32  | 10                        | 23 25,66  | +3,04  | +12,08  | +12,63  | 15,98              | 23 37,43  |                        |                     |                    |                      |
| 11                      | Polaris U. C.                        | W          | 13 26 19,60   | 19                        | 13 24 19,90   | -2,76  | -12,79  | -12,02  | 16,09              | 13 23 36,24   |                        |                     |                    |                      |
| October 17 Arm Ost.     |                                      |            |   |                           |   |        |         |         |                    |   |                        |                     |                    |                      |
| 1                       | H 17 39 <sup>m</sup> 0 <sup>s</sup>  | W          | 13 37 35,054  | 11                        |   |        |         |         |                    |   |                        |                     |                    |                      |
| 2                       | H 46 43 <sup>m</sup> 0 <sup>s</sup>  | "          | 39 35,254   | 11                        | 13 41 0,199   |        |         |         |                    |   |                        |                     |                    |                      |
| 3                       | Polaris U. C. m. P.                  | "          | 13 26 20,41   | 13                        | 13 24 20,61   | -1,96  | -13,65  | -12,12  | 16,22              | 13 23 36,66   |                        |                     |                    |                      |
| 4                       | " " o. P.                            | "          | 26 21,26  | 14                        | 24 21,46  | "      | "       | "       | 22                 | 23 37,51  |                        |                     |                    |                      |
| October 18 Arm Ost.     |                                      |            |   |                           |   |        |         |         |                    |   |                        |                     |                    |                      |
| 1                       | H 17 7 <sup>m</sup> 0 <sup>s</sup>   | W          | 14 5 35,767   | 11                        |   |        |         |         |                    |   |                        |                     |                    |                      |
| 2                       | H 46 12 <sup>m</sup> 0 <sup>s</sup>  | "          | 8 35,632  | 11                        | 14 9 59,864   |        |         |         |                    |   |                        |                     |                    |                      |
| 3                       | H 17 55 <sup>m</sup> 0 <sup>s</sup>  | "          | 12 53 36,384  | 11                        |   |        |         |         |                    |   |                        |                     |                    |                      |
| 4                       | H 46 59 <sup>m</sup> 0 <sup>s</sup>  | "          | 55 35,968   | 11                        | 12 56 59,583  |        |         |         |                    |   |                        |                     |                    |                      |
| 5                       | Polaris U. C. o. P.                  | "          | 13 26 21,74   | 11                        | 13 24 21,32   | -2,58  | -13,65  | -12,31  | 16,18              | 13 23 36,60   |                        |                     |                    |                      |
| 6                       | " " m. P.                            | "          | 26 22,37  | 13                        | 24 21,95  | "      | "       | "       | 18                 | 23 37,23  |                        |                     |                    |                      |
| October 19 Arm Ost.     |                                      |            |   |                           |   |        |         |         |                    |   |                        |                     |                    |                      |
| 1                       | Polaris O. C.                        | P          | 1 25 25,83  | 19                        | 1 23 25,23  | +3,08  | +12,61  | +12,68  | 16,22              | 1 23 37,38  |                        |                     |                    |                      |
| 2                       | H 17 14 <sup>m</sup> 30 <sup>s</sup> | "          | 2 13 6,806  | 25                        |   |        |         |         |                    |   |                        |                     |                    |                      |
| 3                       | H 46 20 <sup>m</sup> 55 <sup>s</sup> | "          | 17 31,191   | 26                        | 2 18 54,383   |        |         |         |                    |   |                        |                     |                    |                      |
| 4                       | $\delta$ Ceti                        | "          | 33 15,783   | 22                        | 34 38,967   | +0,050 | - 0,358 | + 0,271 | 15,994             | 2 34 22,934   |                        |                     | - 2                |                      |

Oct. 9. (7) und (8) Luft 3-4. Oct. 10. (1) sehr unruhig; (2) und (3) Luft 2 bis 3. Oct. 11. (1) und (2) sehr unruhig.  
 Oct. 16. (10) und (11) Luft 4, Bilder sehr schlecht und undul. Oct. 19. (1) Luft 4.

| Nr.   | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Wittelf. nach<br>Knoblich   | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17   | i I.   | k K.    | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0 |
|---|--------------------------------------|------------|--|------------------------------|--|--------|---------|---------|-----------------------------|--|----------------------------------|---------------------|-----------------------|-------------------------|
| 1899 October 19 (Forts.)  |                                      |            |  |                              |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 5   | $\mu$ Ceti                           | P          | 2 <sup>h</sup> 38 <sup>m</sup> 26 <sup>s</sup> 523 | 23                           | 2 <sup>h</sup> 39 <sup>m</sup> 49 <sup>s</sup> 705 | +0,061 | - 0,310 | + 0,275 | 16,012                      | 2 <sup>h</sup> 39 <sup>m</sup> 33 <sup>s</sup> 715 |                                  |                     | -                     | 4                       |
| 6   | $\gamma$ Arietis                     | "          | 43 0,223   | 7                            | 44 23,402  | +0,083 | - 0,217 | + 0,304 | 030                         | 44 7,543   |                                  |                     | +                     | 1                       |
| October 20 Arm Ost.   |                                      |            |  |                              |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 1   | Polaris O. C.                        | W          | 1 25 27,43   | 12                           | 1 23 26,52   | +2,70  | +12,51  | +12,50  | 16,28                       | 1 23 37,95   |                                  |                     |                       |                         |
| 2   | " "                                  | P          | 25 28,16   | 14                           | 23 27,25   | "      | "       | "       | 28                          | 23 38,68   |                                  |                     |                       |                         |
| 3   | H 17 41 <sup>m</sup> 40 <sup>s</sup> | "          | 1 40 17,468  | 25                           |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 4   | H 46 47 <sup>m</sup> 50 <sup>s</sup> | "          | 44 26,555  | 24                           | 45 49,085  |        |         |         |                             |  |                                  |                     |                       |                         |
| 5   | H 17 51 <sup>m</sup> 0 <sup>s</sup>  | W          | 12 49 37,814                                       | 11                           |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 6   | H 46 55 <sup>m</sup> 0 <sup>s</sup>  | "          | 51 36,682  | 11                           | 12 52 58,867                                       |        |         |         |                             |  |                                  |                     |                       |                         |
| 7   | Polaris U.C.o.P.                     | "          | 13 26 22,36  | 15                           | 13 24 21,22  | -2,83  | -13,71  | -12,12  | 16,32                       | 13 23 36,24  |                                  |                     |                       |                         |
| 8   | " " m.P.                             | "          | 26 22,00   | 16                           | 24 20,86   | "      | "       | "       | 32                          | 23 35,88   |                                  |                     |                       |                         |
| October 21 Arm Ost.   |                                      |            |  |                              |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 1   | Polaris O.C.o.P.                     | P          | 1 25 26,96   | 12                           | 1 23 25,68   | +2,10  | +12,09  | +12,54  | 16,34                       | 1 23 36,07   |                                  |                     |                       |                         |
| 2   | " " m.P.                             | W          | 25 26,83   | 8                            | 23 25,55   | "      | "       | "       | 34                          | 23 35,94   |                                  |                     |                       |                         |
| 3   | " " o.P.                             | "          | 25 26,72   | 6                            | 23 25,44   | "      | "       | "       | 34                          | 23 35,83   |                                  |                     |                       |                         |
| 4   | H 17 40 <sup>m</sup> 0 <sup>s</sup>  | "          | 1 38 38,196  | 11                           |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 5   | H 46 44 <sup>m</sup> 0 <sup>s</sup>  | "          | 40 36,916  | 11                           | 41 58,719  |        |         |         |                             |  |                                  |                     |                       |                         |
| October 24 Arm Ost.   |                                      |            |  |                              |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 1   | $\gamma$ Andromedae                  | P          | 1 56 44,363  | 23                           | 1 58 3,740   | +0,092 | - 0,103 | + 0,353 | 16,364                      | 1 57 47,728  |                                  |                     | +                     | 10                      |
| 2   | $\beta$ Trianguli                    | "          | 2 2 34,220   | 23                           | 2 3 53,594   | +0,081 | - 0,158 | + 0,319 | 347                         | 2 3 37,493   |                                  |                     | +                     | 4                       |
| 3   | $\delta$ Ceti                        | "          | 10 58,468  | 23                           | 12 17,837  | +0,036 | - 0,369 | + 0,265 | 401                         | 11 1,356   |                                  |                     | -                     | 12                      |
| 4   | H 46 17 <sup>m</sup> 40 <sup>s</sup> | "          | 14 18,207  | 24                           | 15 37,575  |        |         |         |                             |  |                                  |                     |                       |                         |
| 5   | H 17 19 <sup>m</sup> 10 <sup>s</sup> | "          | 17 50,635  | 25                           |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 6   | $\epsilon$ Ceti                      | "          | 21 49,147  | 23                           | 23 8,510   | +0,051 | - 0,300 | + 0,266 | 363                         | 22 52,160  |                                  |                     | -                     | 4                       |
| October 31 Arm Ost.   |                                      |            |  |                              |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 1   | $\rho$ Piscium                       | P          | 1 39 12,813  | 19                           | 1 40 26,221  | +0,052 | - 0,215 | + 0,268 | 17,915                      | 1 40 8,407   |                                  |                     | -                     | 4                       |
| 2   | $\zeta$ Ceti                         | "          | 45 37,697  | 23                           | 46 51,102  | +0,033 | - 0,279 | + 0,270 | 18,019                      | 46 33,105  |                                  |                     | -                     | 2                       |
| 3   | $\beta$ Arietis                      | "          | 48 13,004  | 18                           | 49 26,467  | +0,064 | - 0,174 | + 0,282 | 17,979                      | 49 8,666   |                                  |                     | +                     | 6                       |
| 4   | $\gamma$ Andromedae                  | "          | 56 51,881  | 22                           | 58 5,279   | +0,094 | - 0,075 | + 0,356 | 899                         | 57 47,765  |                                  |                     | +                     | 10                      |
| 5   | H 46 3 <sup>m</sup> 50 <sup>s</sup>  | "          | 2 0 31,827   | 24                           | 2 1 45,223   |        |         |         |                             |  |                                  |                     |                       |                         |
| 6   | H 17 6 <sup>m</sup> 0 <sup>s</sup>   | "          | 4 46,607   | 25                           |  |        |         |         |                             |  |                                  |                     |                       |                         |
| November 5 Arm Ost.   |                                      |            |  |                              |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 1   | $\delta$ Persei                      | P          | 3 0 51,741   | 23                           | 3 2 0,944  | +0,097 | - 0,080 | + 0,326 | 19,352                      | 3 1 41,944   |                                  |                     | +                     | 9                       |
| 2   | $\delta$ Arietis                     | "          | 5 6,493  | 22                           | 6 15,693   | +0,067 | - 0,174 | + 0,263 | 381                         | 5 56,464   |                                  |                     | -                     | 4                       |
| 3   | H 17 10 <sup>m</sup> 0 <sup>s</sup>  | "          | 8 50,802   | 24                           |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 4   | H 46 16 <sup>m</sup> 0 <sup>s</sup>  | "          | 12 44,503  | 24                           | 12 53,700  |        |         |         |                             |  |                                  |                     |                       |                         |
| 5   | $\theta$ Tauri                       | "          | 18 37,746  | 23                           | 19 46,940  | +0,055 | - 0,211 | + 0,251 | 378                         | 19 27,657  |                                  |                     | 0                     |                         |
| 6   | $f$ Tauri                            | "          | 24 32,940  | 23                           | 25 42,131  | +0,059 | - 0,198 | + 0,254 | 362                         | 25 22,881  |                                  |                     | -                     | 3                       |
| November 12 Arm Ost.  |                                      |            |  |                              |  |        |         |         |                             |  |                                  |                     |                       |                         |
| 1   | $\delta$ Piscium                     | P          | 0 42 47,513  | 23                           | 0 43 52,374  | +0,046 | - 0,223 | + 0,262 | 21,325                      | 0 43 31,129  |                                  |                     | -                     | 5                       |
| 2   | $\mu$ Andromedae                     | "          | 50 30,067  | 23                           | 51 34,924  | +0,080 | - 0,098 | + 0,330 | 285                         | 51 13,950  |                                  |                     | -                     | 1                       |
| 3   | $\epsilon$ Piscium                   | "          | 57 3,136   | 22                           | 58 7,989   | +0,046 | - 0,223 | + 0,262 | 351                         | 57 46,719  |                                  |                     | -                     | 4                       |
| 4   | $\delta$ Andromedae                  | "          | 1 3 25,895   | 23                           | 1 4 30,746   | +0,076 | - 0,112 | + 0,318 | 246                         | 1 4 9,792  |                                  |                     | +                     | 10                      |
| 5   | H 46 10 <sup>m</sup> 20 <sup>s</sup> | "          | 7 6,290  | 25                           | 8 11,139   |        |         |         |                             |  |                                  |                     |                       |                         |
| 6   | H 17 12 <sup>m</sup> 20 <sup>s</sup> | "          | 11 15,152  | 24                           |  |        |         |         |                             |  |                                  |                     |                       |                         |
| Oct. 20. (1) und (2) Luft 3-4; (7) und (8) Störung durch Lärm. Oct. 21. (1) und (2) Luft 4. Oct. 31. Luft 3-4; Feldbeleuchtung bei den höhern Sternen schwach. NOV. 5. Luft 2-3; (1) Feldbeleuchtung schlecht. NOV. 12. Luft 2-3. |                                      |            |  |                              |  |        |         |         |                             |  |                                  |                     |                       |                         |

| Nr.                   | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich   | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17   | i I.                | k K.                | c C.                 | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Heiligk.<br>Gleichung | Rectascension<br>1900,0                            |
|-----------------------|--------------------------------------|------------|--|------------------------------|--|---------------------|---------------------|----------------------|-----------------------------|--|----------------------------------|---------------------|-----------------------|--|
| 1899 Nov. 20 Arm Ost. |                                      |            |  |                              |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 1                     | $\alpha$ Tauri                       | P          | 4 <sup>h</sup> 29 <sup>m</sup> 34 <sup>s</sup> 665 | 23                           | 4 <sup>h</sup> 30 <sup>m</sup> 34 <sup>s</sup> 256 | +0 <sup>s</sup> 041 | -0 <sup>s</sup> 207 | + 0 <sup>s</sup> 257 | 21 <sup>s</sup> 377         | 4 <sup>h</sup> 30 <sup>m</sup> 12 <sup>s</sup> 967 |                                  |                     | + 17                  |  |
| 2                     | $\tau$ Tauri                         | "          | 35 38,414  | 23                           | 36 38,002  | +0,045              | -0,180              | + 0,268              | 434                         | 36 16,695  |                                  |                     | - * 6                 |  |
| 3                     | $\mu$ Eridani                        | "          | 39 53,910  | 23                           | 40 53,496  | +0,027              | -0,280              | + 0,247              | 463                         | 40 32,018  |                                  |                     | - * 9                 |  |
| 4                     | H 46 46 <sup>m</sup> 20 <sup>s</sup> | "          | 43 8,089   | 24                           | 44 7,673   |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 5                     | $\pi^5$ Orionis                      | "          | 48 26,346  | 23                           | 49 25,928  | +0,031              | -0,259              | + 0,247              | 503                         | 49 4,431   |                                  |                     | - * 13                |  |
| 6                     | H 17 56 <sup>m</sup> 50 <sup>s</sup> | "          | 55 50,422  | 25                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| November 28 Arm Ost.  |                                      |            |  |                              |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 1                     | $\eta$ Piscium                       | B          | 1 25 38,133  | 23                           | 1 26 31,871  | +0,096              | -0,212              | + 0,244              | 22,453                      | 1 26 9,539   |                                  |                     | - * 7                 |  |
| 2                     | $\nu$ Piscium                        | "          | 35 43,899  | 18                           | 36 37,632  | +0,080              | -0,249              | + 0,237              | 434                         | 36 15,230  |                                  |                     | - * 36                |  |
| 3                     | $\sigma$ Piscium                     | "          | 39 37,055  | 22                           | 40 30,786  | +0,086              | -0,236              | + 0,239              | 457                         | 40 8,404   |                                  |                     | - * 14                |  |
| 4                     | H 46 48 <sup>m</sup> 0 <sup>s</sup>  | "          | 44 51,246  | 24                           | 45 44,975  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 5                     | H 17 50 <sup>m</sup> 0 <sup>s</sup>  | "          | 49 6,273   | 24                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| December 7 Arm Ost.   |                                      |            |  |                              |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 1                     | $\nu$ Piscium                        | P          | 1 35 50,628  | 23                           | 1 36 38,325  | +0,066              | -0,244              | + 0,261              | 23,173                      | 1 36 15,230  |                                  |                     | - 5                   |  |
| 2                     | $\sigma$ Piscium                     | "          | 39 43,840  | 23                           | 40 31,536  | +0,070              | -0,231              | + 0,263              | 246                         | 40 8,388   |                                  |                     | - 4                   |  |
| 3                     | $\zeta$ Ceti                         | "          | 46 8,648   | 23                           | 46 56,342  | +0,044              | -0,301              | + 0,265              | 284                         | 46 33,064  |                                  |                     | - 2                   |  |
| 4                     | H 46 8 <sup>m</sup> 30 <sup>s</sup>  | "          | 2 5 23,801   | 24                           | 2 6 11,489   |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 5                     | H 17 11 <sup>m</sup> 10 <sup>s</sup> | "          | 10 22,314  | 24                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| December 8 Arm Ost.   |                                      |            |  |                              |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 1                     | H 17 35 <sup>m</sup> 0 <sup>s</sup>  | B          | 0 34 12,734  | 23                           |  |                     |                     |                      |                             |  |                                  |                     | +                     |  |
| 2                     | Holmes 4                             | "          | 39 21,774  | 11                           | 0 40 9,043   | +0,119              | -0,113              | + 0,336              | 23,501                      | 0 39 45,884  | -4 <sup>s</sup> 842              | 3 <sup>s</sup> 245  | - 63                  | 0 <sup>h</sup> 39 <sup>m</sup> 44 <sup>s</sup> 224 |
| 3                     | " 22                                 | "          | 43 42,044  | 10                           | 44 29,312  | +0,121              | -0,108              | + 0,340              | 501                         | 44 6,164   | -4,912                           | 3,270               | - 63                  | 44 4,459   |
| 4                     | " 38                                 | "          | 47 0,476   | 11                           | 47 47,744  | +0,122              | -0,106              | + 0,341              | 501                         | 47 24,600  | -4,961                           | 3,287               | - 41                  | 47 22,885  |
| 5                     | " 60                                 | "          | 1 17 34,902  | 11                           | 1 18 22,162  | +0,113              | -0,129              | + 0,324              | 501                         | 1 17 58,969  | -5,204                           | 3,370               | - 34                  | 1 17 57,101  |
| 6                     | " 64                                 | "          | 24 49,788  | 11                           | 25 37,046  | +0,113              | -0,129              | + 0,324              | 501                         | 25 13,853  | -5,277                           | 3,395               | - 73                  | 25 11,898  |
| 7                     | " 69                                 | "          | 30 6,828   | 11                           | 30 54,085  | +0,113              | -0,129              | + 0,324              | 501                         | 30 30,892  | -5,331                           | 3,415               | -114                  | 30 28,862  |
| 8                     | " 72                                 | "          | 34 18,855  | 11                           | 35 6,111   | +0,113              | -0,127              | + 0,325              | 501                         | 34 42,921  | -5,380                           | 3,433               | - 60                  | 34 40,914  |
| 9                     | H 17 18 <sup>m</sup> 0 <sup>s</sup>  | "          | 2 17 12,748  | 27                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 10                    | $\xi^2$ Ceti                         | "          | 22 28,476  | 20                           | 2 23 15,720  | +0,071              | -0,231              | + 0,275              | 502                         | 2 22 52,325  |                                  |                     | - 8                   |  |
| 11                    | $\nu$ Arietis                        | "          | 32 46,294  | 23                           | 33 33,535  | +0,091              | -0,180              | + 0,292              | 486                         | 33 10,228  |                                  |                     | - 24                  |  |
| 12                    | 35 Arietis                           | "          | 37 13,087  | 22                           | 38 0,327   | +0,100              | -0,155              | + 0,306              | 508                         | 37 37,057  |                                  |                     | - 13                  |  |
| 13                    | 41 Arietis                           | "          | 43 43,963  | 23                           | 44 31,201  | +0,099              | -0,157              | + 0,305              | 522                         | 44 7,929   |                                  |                     | + 3                   |  |
| 14                    | $\rho$ Persei                        | "          | 58 24,361  | 23                           | 59 11,596  | +0,122              | -0,098              | + 0,349              | 493                         | 58 48,479  |                                  |                     | + 3                   |  |
| 15                    | $\beta$ Persei                       | "          | 3 1 18,039   | 19                           | 3 2 5,273  | +0,126              | -0,086              | + 0,359              | 509                         | 3 1 42,189   |                                  |                     | + 26                  |  |
| 16                    | $\delta$ Arietis                     | "          | 5 32,798   | 23                           | 6 20,031   | +0,087              | -0,185              | + 0,289              | 506                         | 5 56,706   |                                  |                     | - 10                  |  |
| 17                    | H 46 18 <sup>m</sup> 0 <sup>s</sup>  | "          | 14 54,045  | 24                           | 15 41,276  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 18                    | $\sigma$ Tauri                       | "          | 19 4,045   | 22                           | 19 51,274  | +0,072              | -0,223              | + 0,276              | 485                         | 19 27,914  |                                  |                     | 0                     |  |
| 19                    | H 17 26 <sup>m</sup> 0 <sup>s</sup>  | "          | 25 12,775  | 23                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| December 13 Arm Ost.  |                                      |            |  |                              |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 1                     | 1 Pegasi                             | P          | 21 17 4,568  | 23                           | 21 17 50,664                                       | +0,099              | -0,214              | + 0,306              | 23,212                      | 21 17 27,641                                       |                                  |                     | - 2                   |  |
| 2                     | H 46 23 <sup>m</sup> 45 <sup>s</sup> | "          | 20 38,564  | 25                           | 21 24,659  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 3                     | $\beta$ Aquarii                      | "          | 25 54,908  | 23                           | 26 41,002  | +0,059              | -0,319              | + 0,291              | 196                         | 26 17,840  |                                  |                     | + 3                   |  |
| 4                     | 74 Cygni                             | "          | 32 32,939  | 23                           | 33 19,031  | +0,141              | -0,103              | + 0,377              | 146                         | 32 56,292  |                                  |                     | - 8                   |  |
| 5                     | $\epsilon$ Pegasi                    | "          | 38 53,588  | 22                           | 39 39,679  | +0,083              | -0,257              | + 0,293              | 155                         | 39 16,651  |                                  |                     | + 8                   |  |

Nov. 14 und Dec. 9. Ocularplatte und Platte des beweglichen Fadens abgenommen und Stäubchen von den Fadenplatten entfernt. Am October 17 war zuerst bemerkt dass der bewegliche Faden an einer Stelle hakete. Nach December 9 Bewegung wieder ganz regelmässig. Nov. 20. Wolken; (2) Grösse 4-6, angen. 5,0; (3) Gr. 4-7, angen. 5,5; (5) Gr. 5-7, angen. 6,0; Luft schlecht. Nov. 28. Wolkenschleier; (1) Gr. 4,5; (2) Gr. 6,5; (3) Gr. 5,0. Dec. 7. Luft 4.

| Nr.                   | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich    | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17  | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension<br>1900,0                            |
|-----------------------|--------------------------------------|------------|---|------------------------------|---|--------|--------|---------|-----------------------------|--|----------------------------------|---------------------|--------------------|--|
| 1899 Dec. 13 (Forts.) |                                      |            |   |                              |   |        |        |         |                             |  |                                  |                     |                    |  |
| 6                     | H 17 43 <sup>m</sup> 15 <sup>s</sup> | P          | 21 <sup>h</sup> 42 <sup>m</sup> 28 <sup>s</sup> 910 | 24                           |   |        |        |         |                             |  |                                  |                     |                    |  |
| 7                     | H 17 32 <sup>m</sup> 0 <sup>s</sup>  | B          | 0 31 13,908   | 25                           |   |        |        |         | —0 <sup>m</sup>             |  |                                  | +                   |                    |  |
| 8                     | Holmes 4                             | "          | 39 22,703   | 10                           | 0 <sup>h</sup> 40 <sup>m</sup> 8 <sup>s</sup> 793 | +0,114 | —0,111 | + 0,361 | 23 <sup>s</sup> 333         | 0 <sup>h</sup> 39 <sup>m</sup> 45 <sup>s</sup> 824 | —4 <sup>s</sup> 775              | 3 <sup>s</sup> 245  | — 63               | 0 <sup>h</sup> 39 <sup>m</sup> 44 <sup>s</sup> 231 |
| 9                     | " 22                                 | "          | 43 42,996   | 11                           | 44 29,085   | +0,116 | —0,106 | + 0,365 | 333                         | 44 6,127   | —4,846                           | 3,270               | — 63               | 44 4,438   |
| 10                    | " 38                                 | "          | 47 1,463  | 11                           | 47 47,551   | +0,116 | —0,103 | + 0,367 | 334                         | 47 24,597  | —4,895                           | 3,287               | — 41               | 47 22,948  |
| 11                    | " 60                                 | "          | 1 17 35,889   | 11                           | 1 18 21,970                                       | +0,103 | —0,124 | + 0,349 | 336                         | 1 17 58,962  | —5,153                           | 3,370               | — 34               | 1 17 57,145  |
| 12                    | " 64                                 | "          | 24 50,783   | 11                           | 25 36,862   | +0,101 | —0,123 | + 0,348 | 337                         | 25 13,851  | —5,230                           | 3,395               | — 73               | 25 11,943  |
| 13                    | " 69                                 | "          | 30 7,750  | 11                           | 30 53,827   | +0,101 | —0,123 | + 0,348 | 337                         | 30 30,816  | —5,285                           | 3,415               | —114               | 30 28,832  |
| 14                    | " 72                                 | "          | 34 19,860   | 11                           | 35 5,936  | +0,101 | —0,121 | + 0,349 | 338                         | 34 42,927  | —5,336                           | 3,433               | — 60               | 34 40,964  |
| 15                    | " 79                                 | "          | 47 49,341   | 11                           | 48 35,414   | +0,098 | —0,120 | + 0,350 | 339                         | 48 12,403  | —5,477                           | 3,480               | — 60               | 48 10,346  |
| 16                    | " 84                                 | "          | 52 47,850   | 11                           | 53 33,922   | +0,098 | —0,119 | + 0,350 | 339                         | 53 10,912  | —5,527                           | 3,498               | — 57               | 53 8,826   |
| 17                    | " 91                                 | "          | 2 2 1,500   | 10                           | 2 2 47,569  | +0,098 | —0,117 | + 0,352 | 339                         | 2 2 24,563   | —5,630                           | 3,535               | —106               | 2 2 22,362   |
| 18                    | " 95                                 | "          | 7 45,576  | 10                           | 8 31,644  | +0,097 | —0,117 | + 0,352 | 340                         | 8 8,636  | —5,685                           | 3,554               | — 39               | 8 6,416  |
| 19                    | H 17 21 <sup>m</sup> 0 <sup>s</sup>  | "          | 20 13,942   | 26                           |   |        |        |         |                             |  |                                  |                     |                    |  |
| 20                    | H 46 50 <sup>m</sup> 0 <sup>s</sup>  | "          | 46 53,504   | 25                           | 47 39,562   |        |        |         |                             |  |                                  |                     |                    |  |
| 21                    | $\eta$ Eridani                       | "          | 51 11,570   | 22                           | 51 57,627   | +0,038 | —0,269 | + 0,296 | 358                         | 51 34,328  |                                  |                     | — 6                |  |
| 22                    | $\rho$ Persei                        | "          | 58 25,354   | 22                           | 59 11,409   | +0,097 | —0,091 | + 0,373 | 342                         | 58 48,449  |                                  |                     | + 3                |  |
| 23                    | $\beta$ Persei                       | "          | 3 1 19,074  | 21                           | 3 2 5,129   | +0,101 | —0,079 | + 0,384 | 397                         | 3 1 42,164   |                                  |                     | + 26               |  |
| 24                    | $\delta$ Arietis                     | "          | 5 33,775  | 23                           | 6 19,828  | +0,069 | —0,171 | + 0,310 | 345                         | 5 56,681   |                                  |                     | — 10               |  |
| 25                    | $\nu$ Tauri                          | "          | 18 5,030  | 21                           | 18 51,080   | +0,056 | —0,205 | + 0,296 | 328                         | 18 27,899  |                                  |                     | 0                  |  |
| 26                    | $\xi$ Tauri                          | "          | 21 24,074   | 22                           | 22 10,124   | +0,057 | —0,203 | + 0,297 | 311                         | 21 46,963  |                                  |                     | — 1                |  |
| 27                    | $f$ Tauri                            | "          | 25 0,297  | 23                           | 25 46,345   | +0,059 | —0,191 | + 0,300 | 346                         | 25 23,160  |                                  |                     | — 7                |  |
| 28                    | $\nu$ Persei                         | "          | 38 3,563  | 23                           | 38 49,608   | +0,098 | —0,068 | + 0,396 | 336                         | 38 26,697  |                                  |                     | — 1                |  |
| 29                    | H 17 43 <sup>m</sup> 0 <sup>s</sup>  | "          | 42 13,949   | 24                           |   |        |        |         |                             |  |                                  |                     |                    |  |
| 30                    | H 17 47 <sup>m</sup> 15 <sup>s</sup> | P          | 4 46 28,960   | 26                           |   |        |        |         |                             |  |                                  |                     |                    |  |
| 31                    | $\epsilon$ Tauri                     | "          | 56 46,420   | 11                           | 4 57 32,456                                       | +0,066 | —0,159 | + 0,315 | 123                         | 4 57 9,555   | —6,037                           | 3,578               | — 5                | 4 57 7,091   |
| 32                    | 108 Tauri                            | "          | 5 9 6,361   | 11                           | 5 9 52,391  | +0,067 | —0,155 | + 0,316 | 124                         | 5 9 29,495   | —6,085                           | 3,604               | — 16               | 5 9 26,998   |
| 33                    | $n$ Tauri                            | "          | 12 55,412   | 11                           | 13 41,441   | +0,067 | —0,156 | + 0,316 | 124                         | 13 18,544  | —6,080                           | 3,601               | — 8                | 13 16,057  |
| 34                    | Neptun $h$                           | "          | 31 19,422   | 11                           | 32 5,445  | +0,066 | —0,159 | + 0,314 | 125                         | 31 42,541  | —6,048                           | 3,584               | + 5                | 31 40,082  |
| 35                    | " $l$                                | "          | 37 1,869  | 11                           | 37 47,889   | +0,067 | —0,158 | + 0,315 | 126                         | 37 24,987  | —6,060                           | 3,593               | — 43               | 37 22,477  |
| 36                    | " $o$                                | "          | 45 25,116   | 11                           | 46 11,133   | +0,070 | —0,151 | + 0,319 | 127                         | 45 48,244  | —6,148                           | 3,649               | — 26               | 45 45,719  |
| 37                    | " $q$                                | "          | 52 37,023   | 11                           | 53 23,037   | +0,066 | —0,160 | + 0,313 | 127                         | 53 0,129   | —6,022                           | 3,577               | — 56               | 52 57,628  |
| 38                    | " $t$                                | "          | 57 41,855   | 10                           | 58 27,867   | +0,070 | —0,151 | + 0,319 | 128                         | 58 4,977   | —6,134                           | 3,647               | — 2                | 58 2,488   |
| 39                    | 3 Geminorum                          | "          | 6 3 18,999  | 11                           | 6 4 5,009   | +0,070 | —0,151 | + 0,318 | 128                         | 6 3 42,118   | —6,122                           | 3,644               | — 11               | 6 3 39,629   |
| 40                    | $\eta$ Geminorum                     | "          | 8 29,828  | 11                           | 9 15,836  | +0,070 | —0,153 | + 0,317 | 129                         | 8 52,941   | —6,088                           | 3,627               | + 2                | 8 50,482   |
| 41                    | H 46 18 <sup>m</sup> 45 <sup>s</sup> | "          | 15 38,509   | 23                           | 16 24,514   |        |        |         |                             |  |                                  |                     |                    |  |
| 42                    | H 17 19 <sup>m</sup> 55 <sup>s</sup> | "          | 19 8,996  | 25                           |   |        |        |         |                             |  |                                  |                     |                    |  |
| 43                    | H 17 28 <sup>m</sup> 40 <sup>s</sup> | "          | 7 27 53,982   | 27                           |   |        |        |         |                             |  |                                  |                     |                    |  |
| 44                    | $\kappa$ Geminorum                   | "          | 38 3,799  | 11                           | 7 38 49,816                                       | +0,075 | —0,144 | + 0,323 | 136                         | 7 38 26,934  | —5,887                           | 3,630               | + 1                | 7 38 24,678  |
| 45                    | $\rho$ Geminorum                     | "          | 47 1,831  | 11                           | 47 47,847   | +0,078 | —0,135 | + 0,330 | 136                         | 47 24,984  | —5,940                           | 3,681               | — 7                | 47 22,718  |
| 46                    | Mars $a$                             | "          | 54 31,940   | 11                           | 55 17,956   | +0,076 | —0,140 | + 0,326 | 137                         | 54 55,081  | —5,839                           | 3,636               | — 15               | 54 52,863  |
| 47                    | " $e$                                | "          | 8 1 31,575  | 11                           | 8 2 17,590  | +0,076 | —0,144 | + 0,323 | 137                         | 8 1 54,708   | —5,743                           | 3,593               | — 45               | 8 1 52,513   |
| 49                    | " $h$                                | "          | 8 23,271  | 9                            | 9 9,285   | +0,077 | —0,142 | + 0,324 | 138                         | 8 46,406   | —5,730                           | 3,601               | — 58               | 8 44,219   |
| 50                    | " $i$                                | "          | 14 20,180   | 10                           | 15 6,194  | +0,077 | —0,140 | + 0,326 | 139                         | 14 43,318  | —5,715                           | 3,607               | — 30               | 14 41,180  |
| 51                    | " $n$                                | "          | 21 10,880   | 11                           | 21 56,893   | +0,075 | —0,147 | + 0,320 | 139                         | 21 34,002  | —5,590                           | 3,546               | — 39               | 21 31,919  |

Dec. 13. Luft zuerst ziemlich gut, nachher sehr schlecht; (15) schwach, Fadenbeleuchtung; (39) unruhig; (48) Beob. nur in Decl.; (49) sehr schwach.

| Nr.                           | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich             | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17             | i I.   | k K.   | c C.    | Corr. von Hohwü 17                  | Scheinbare Rectascension                           | Red. auf Jahresanfang | Red. f. Praecession | Helligk. Gleichung | Rectascension 1900,0                               |
|-------------------------------|--------------------------------------|------------|--|---------------------------|--|--------|--------|---------|-------------------------------------|--|-----------------------|---------------------|--------------------|--|
| <b>1899 Dec. 13 (Forts.)</b>  |                                      |            |  |                           |  |        |        |         |                                     |  |                       |                     |                    |  |
| 52                            | $\eta$ Cancri                        | P          | 8 <sup>h</sup> 26 <sup>m</sup> 34 <sup>s</sup> 503 | 11                        | 8 <sup>h</sup> 27 <sup>m</sup> 20 <sup>s</sup> 515 | +0,072 | -0,156 | + 0,314 | -0 <sup>m</sup> 23 <sup>s</sup> 140 | 8 <sup>h</sup> 26 <sup>m</sup> 57 <sup>s</sup> 605 | -5,463                | 3,479               | - 11               | 8 <sup>h</sup> 26 <sup>m</sup> 55 <sup>s</sup> 610 |
| 53                            | $\gamma$ Cancri                      | "          | 37 8,795   | 11                        | 37 54,806  | +0,073 | -0,152 | + 0,317 | 140                                 | 37 31,904  | -5,429                | 3,487               | - 5                | 37 29,957  |
| 54                            | $\epsilon$ Cancri                    | "          | 40 17,686  | 9                         | 41 3,697   | +0,083 | -0,126 | + 0,337 | 140                                 | 40 40,851  | -5,660                | 3,642               | - 1                | 40 38,832  |
| 55                            | H 17 45 <sup>m</sup> 45 <sup>s</sup> | "          | 44 58,990  | 24                        |  |        |        |         |                                     |  |                       |                     |                    |  |
| <b>December 16 Arm Ost.</b>   |                                      |            |  |                           |  |        |        |         |                                     |  |                       |                     |                    |  |
| 1                             | $\eta$ Aurigae                       | P          | 4 59 10,897  | 23                        | 4 59 55,824  | +0,072 | -0,099 | + 0,370 | 23,090                              | 4 59 33,080  |                       |                     | + 3                |  |
| 2                             | $\beta$ Eridani                      | "          | 5 2 36,358   | 23                        | 5 3 21,284   | +0,030 | -0,327 | + 0,280 | 097                                 | 5 2 58,175   |                       |                     | + 5                |  |
| 3                             | $\mu$ Aurigae                        | "          | 6 15,869   | 23                        | 7 0,794  | +0,068 | -0,118 | + 0,356 | 120                                 | 6 37,974   |                       |                     | - 6                |  |
| 4                             | $\beta$ Orionis                      | "          | 9 24,293   | 20                        | 10 9,216   | +0,027 | -0,340 | + 0,282 | 133                                 | 9 46,072   |                       |                     | + 20               |  |
| 5                             | H 46 16 <sup>m</sup> 10 <sup>s</sup> | "          | 13 3,971   | 24                        | 13 48,893  |        |        |         |                                     |  |                       |                     |                    |  |
| 6                             | H 17 17 <sup>m</sup> 40 <sup>s</sup> | "          | 16 55,080  | 25                        |  |        |        |         |                                     |  |                       |                     |                    |  |
| <b>December 19 Arm Ost.</b>   |                                      |            |  |                           |  |        |        |         |                                     |  |                       |                     |                    |  |
| 1                             | H 17 53 <sup>m</sup> 50 <sup>s</sup> | P          | 4 53 7,224   | 25                        |  |        |        |         |                                     |  |                       |                     |                    |  |
| 2                             | $\epsilon$ Tauri                     | "          | 56 49,583  | 11                        | 4 57 32,356  | +0,056 | -0,216 | + 0,301 | 22,901                              | 4 57 9,596   | -6,116                | 3,578               | - 5                | 4 57 7,053   |
| 3                             | $\iota$ 08 Tauri                     | "          | 5 9 9,519  | 11                        | 5 9 52,282   | +0,057 | -0,213 | + 0,302 | 900                                 | 5 9 29,528   | -6,172                | 3,604               | - 16               | 5 9 26,944   |
| 4                             | $\eta$ Tauri                         | "          | 12 58,627  | 11                        | 13 41,387  | +0,057 | -0,214 | + 0,302 | 900                                 | 13 18,632  | -6,169                | 3,601               | - 8                | 13 16,056  |
| 5                             | Neptun <i>b</i>                      | "          | 18 56,265  | 11                        | 19 39,021  | +0,056 | -0,221 | + 0,299 | 899                                 | 19 16,256  | -6,111                | 3,564               | - 24               | 19 13,685  |
| 6                             | " <i>e</i>                           | "          | 23 51,364  | 11                        | 24 34,116  | +0,056 | -0,217 | + 0,300 | 899                                 | 24 11,356  | -6,151                | 3,588               | - 56               | 24 8,737   |
| 7                             | " <i>h</i>                           | "          | 31 22,650  | 10                        | 32 5,396   | +0,056 | -0,218 | + 0,301 | 898                                 | 31 42,637  | -6,148                | 3,584               | + 5                | 31 40,078  |
| 8                             | " <i>l</i>                           | "          | 37 5,126   | 11                        | 37 47,867  | +0,056 | -0,217 | + 0,302 | 898                                 | 37 25,110  | -6,164                | 3,593               | - 43               | 37 22,496  |
| 9                             | " <i>o</i>                           | "          | 45 28,381  | 11                        | 46 11,116  | +0,058 | -0,207 | + 0,306 | 897                                 | 45 48,376  | -6,259                | 3,649               | - 26               | 45 45,740  |
| 10                            | " <i>q</i>                           | "          | 52 40,238  | 11                        | 53 22,968  | +0,056 | -0,220 | + 0,300 | 897                                 | 53 0,207   | -6,135                | 3,577               | - 56               | 52 57,593  |
| 11                            | " <i>t</i>                           | "          | 57 45,120  | 11                        | 58 27,846  | +0,058 | -0,208 | + 0,306 | 896                                 | 58 5,106   | -6,253                | 3,647               | - 2                | 58 2,498   |
| 12                            | $\beta$ Geminorum                    | "          | 6 3 22,278   | 11                        | 6 4 5,000  | +0,058 | -0,208 | + 0,305 | 896                                 | 6 3 42,259   | -6,244                | 3,644               | - 11               | 6 3 39,648   |
| 13                            | $\eta$ Geminorum                     | "          | 8 33,088   | 11                        | 9 15,806   | +0,057 | -0,211 | + 0,304 | 895                                 | 8 53,061   | -6,212                | 3,627               | + 2                | 8 50,478   |
| 14                            | H 46 15 <sup>m</sup> 45 <sup>s</sup> | "          | 12 40,282  | 27                        | 13 22,996  |        |        |         |                                     |  |                       |                     |                    |  |
| 15                            | H 17 16 <sup>m</sup> 50 <sup>s</sup> | "          | 16 7,288   | 25                        |  |        |        |         |                                     |  |                       |                     |                    |  |
| <b>December 23 Arm Ost.</b>   |                                      |            |  |                           |  |        |        |         |                                     |  |                       |                     |                    |  |
| 1                             | $\gamma$ Orionis                     | P          | 5 19 31,203  | 23                        | 5 20 10,578  | +0,066 | -0,221 | + 0,274 | 22,342                              | 5 19 48,366  |                       |                     | + 11               |  |
| 2                             | $\delta$ Orionis                     | "          | 26 39,055  | 22                        | 27 18,427  | +0,058 | -0,243 | + 0,272 | 398                                 | 26 56,124  |                       |                     | + 8                |  |
| 3                             | $\epsilon$ Orionis                   | "          | 30 53,545  | 23                        | 31 32,914  | +0,057 | -0,246 | + 0,272 | 393                                 | 31 10,615  |                       |                     | + 11               |  |
| 4                             | H 46 36 <sup>m</sup> 50 <sup>s</sup> | "          | 33 47,453  | 25                        | 34 26,821  |        |        |         |                                     |  |                       |                     |                    |  |
| 5                             | H 17 38 <sup>m</sup> 5 <sup>s</sup>  | "          | 37 25,634  | 24                        |  |        |        |         |                                     |  |                       |                     |                    |  |
| 6                             | $\kappa$ Orionis                     | "          | 42 46,035  | 12                        | 43 25,398  | +0,045 | -0,274 | + 0,276 | 366                                 | 43 3,062   |                       |                     | - *17              |  |
| <b>December 31 Arm Ost.</b>   |                                      |            |  |                           |  |        |        |         |                                     |  |                       |                     |                    |  |
| 1                             | H 46 13 <sup>m</sup> 0 <sup>s</sup>  | B          | 4 10 1,262   | 24                        |  |        |        |         |                                     |  |                       |                     |                    |  |
| 2                             | $\gamma$ Tauri                       | "          | 13 58,957  | 23                        | 4 14 32,279  | +0,073 | -0,205 | + 0,271 | 24,017                              | 4 14 8,400   |                       |                     | - 1                |  |
| 3                             | $\delta$ Tauri                       | "          | 17 2,930   | 22                        | 17 36,251  | +0,076 | -0,198 | + 0,272 | 039                                 | 17 12,359  |                       |                     | - 3                |  |
| 4                             | $\epsilon$ Tauri                     | "          | 22 39,547  | 23                        | 23 12,866  | +0,078 | -0,191 | + 0,276 | 033                                 | 22 48,997  |                       |                     | + 1                |  |
| 5                             | H 17 27 <sup>m</sup> 0 <sup>s</sup>  | "          | 26 26,683  | 24                        |  |        |        |         |                                     |  |                       |                     |                    |  |
| <b>1900 Januar 8 Arm Ost.</b> |                                      |            |  |                           |  |        |        |         |                                     |  |                       |                     |                    |  |
| 1                             | $\nu$ Orionis                        | P          | 6 1 50,266   | 23                        | 6 2 18,943   | +0,075 | -0,156 | + 0,265 | 24,779                              | 6 1 54,344   |                       |                     | - 4                |  |
| 2                             | $\eta$ Geminorum                     | "          | 8 49,138   | 23                        | 9 17,813   | +0,086 | -0,133 | + 0,277 | 790                                 | 8 53,255   |                       |                     | + 2                |  |
| 3                             | H 46 15 <sup>m</sup> 0 <sup>s</sup>  | "          | 12 2,847   | 24                        | 12 31,521  |        |        |         |                                     |  |                       |                     |                    |  |

Dec. 23. (6) geschwächt, Gt. 6,5; Dec. 31. Luft 3, feucht.

| Nr.                    | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich       | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17       | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension<br>1900,0                            |
|------------------------|--------------------------------------|------------|--|------------------------------|--|--------|--------|---------|-----------------------------|--|----------------------------------|---------------------|--------------------|--|
| 1900 Januar 8 (Forts.) |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                     |                    |  |
| 4                      | $\mu$ Geminorum                      | P          | 6 <sup>h</sup> 16 <sup>m</sup> 53 <sup>s</sup> 318 | 22                           | 6 <sup>h</sup> 17 <sup>m</sup> 21 <sup>s</sup> 990 | +0,086 | -0,133 | + 0,277 | 24,8794                     | 6 <sup>h</sup> 16 <sup>m</sup> 57 <sup>s</sup> 430 |                                  |                     | + 4                |  |
| 5                      | H 17 21 <sup>m</sup> 0 <sup>s</sup>  | "          | 20 31,329  | 24                           |  |        |        |         |                             |  |                                  |                     |                    |  |
| Januar 20 Arm Ost.     |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                     |                    |  |
| 1                      | H 46 49 <sup>m</sup> 0 <sup>s</sup>  | B          | 4 46 3,198   | 24                           | 4 46 27,467  |        |        |         |                             |  |                                  |                     |                    |  |
| 2                      | $\pi^5$ Orionis                      | "          | 49 5,900   | 11                           | 49 30,168  | +0,044 | -0,149 | + 0,256 | 25,614                      | 4 49 4,704   |                                  |                     | - 1                |  |
| 3                      | $\epsilon$ Aurigae                   | "          | 54 51,555  | 22                           | 55 15,821  | +0,093 | -0,040 | + 0,354 | 622                         | 54 50,616  |                                  |                     | + 10               |  |
| 4                      | $\iota$ Tauri                        | "          | 57 10,695  | 11                           | 57 34,960  | +0,063 | -0,107 | + 0,275 | 606                         | 57 9,572   |                                  |                     | - 13               |  |
| 5                      | $\eta$ Aurigae                       | "          | 59 34,045  | 20                           | 59 58,309  | +0,089 | -0,050 | + 0,340 | 598                         | 59 33,097  |                                  |                     | + 7                |  |
| 6                      | H 17 17 <sup>m</sup> 0 <sup>s</sup>  | "          | 5 16 35,741  | 24                           |  |        |        |         |                             |  |                                  |                     |                    |  |
| 7                      | H 17 28 <sup>m</sup> 50 <sup>s</sup> | P          | 7 28 25,801  | 25                           |  |        |        |         |                             |  |                                  |                     |                    |  |
| 8                      | $\times$ Geminorum                   | "          | 38 28,608  | 11                           | 7 38 52,802  | +0,062 | -0,099 | + 0,283 | 401                         | 7 38 27,647  | -2,944                           | 0,000               | + 1                | 7 <sup>h</sup> 38 <sup>m</sup> 24 <sup>s</sup> 704 |
| 9                      | $\rho$ Geminorum                     | "          | 47 26,652  | 11                           | 47 50,841  | +0,065 | -0,093 | + 0,288 | 400                         | 47 25,701  | -2,993                           | "                   | - 7                | 47 22,701  |
| 10                     | Mars <i>e</i>                        | "          | 8 1 56,473   | 8                            | 8 2 20,656   | +0,063 | -0,100 | + 0,282 | 400                         | 8 1 55,501   | -2,922                           | "                   | - 45               | 8 1 52,534   |
| 12                     | " <i>h</i>                           | "          | 8 48,178   | 9                            | 9 12,357   | +0,065 | -0,098 | + 0,283 | 399                         | 8 47,208   | -2,929                           | "                   | - 58               | 8 44,221   |
| 13                     | " <i>i</i>                           | "          | 14 45,118  | 10                           | 15 9,295   | +0,065 | -0,097 | + 0,285 | 399                         | 14 44,149  | -2,934                           | "                   | - 30               | 14 41,185  |
| 14                     | " <i>n</i>                           | "          | 21 35,843  | 11                           | 22 0,016   | +0,064 | -0,102 | + 0,281 | 399                         | 21 34,860  | -2,881                           | "                   | - 39               | 21 31,940  |
| 15                     | $\gamma$ Cancri                      | "          | 26 59,459  | 11                           | 27 23,630  | +0,061 | -0,109 | + 0,276 | 399                         | 26 58,459  | -2,824                           | "                   | - 11               | 26 55,624  |
| 16                     | $\eta$ Cancri                        | "          | 37 33,783  | 10                           | 37 57,948  | +0,063 | -0,106 | + 0,278 | 398                         | 37 32,785  | -2,823                           | "                   | - 5                | 37 29,957  |
| 17                     | $\iota$ Cancri                       | "          | 40 42,768  | 10                           | 41 6,932   | +0,073 | -0,087 | + 0,295 | 398                         | 40 41,815  | -2,957                           | "                   | - 1                | 40 38,857  |
| 18                     | H 17 47 <sup>m</sup> 10 <sup>s</sup> | "          | 46 45,840  | 24                           |  |        |        |         |                             |  |                                  |                     |                    |  |
| Januar 25 Arm Ost.     |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                     |                    |  |
| 1                      | H 17 51 <sup>m</sup> 20 <sup>s</sup> | P          | 4 50 58,557  | 25                           |  |        |        |         |                             |  |                                  |                     |                    |  |
| 2                      | $\iota$ Tauri                        | "          | 57 13,432  | 11                           | 4 57 34,870  | +0,067 | -0,064 | + 0,266 | 25,648                      | 4 57 9,491   | -2,475                           | 0,000               | - 5                | 4 57 7,011   |
| 3                      | H 46 6 <sup>m</sup> 5 <sup>s</sup>   | "          | 5 3 9,226  | 24                           | 5 3 30,659   |        |        |         |                             |  |                                  |                     |                    |  |
| 4                      | 108 Tauri                            | "          | 9 33,481   | 11                           | 9 54,909   | +0,068 | -0,062 | + 0,267 | 648                         | 5 9 29,534   | -2,545                           | "                   | - 16               | 5 9 26,973   |
| 5                      | $\eta$ Tauri                         | "          | 13 22,594  | 11                           | 13 44,019  | +0,068 | -0,062 | + 0,267 | 648                         | 13 18,644  | -2,558                           | "                   | - 8                | 13 16,078  |
| 6                      | Neptun <i>b</i>                      | "          | 19 20,277  | 11                           | 19 41,697  | +0,067 | -0,064 | + 0,264 | 647                         | 19 16,317  | -2,556                           | "                   | - 24               | 19 13,737  |
| 7                      | " <i>e</i>                           | "          | 24 15,413  | 11                           | 24 36,829  | +0,067 | -0,063 | + 0,265 | 647                         | 24 11,451  | -2,591                           | "                   | - 56               | 24 8,804   |
| 8                      | " <i>h</i>                           | "          | 31 46,666  | 11                           | 32 8,075   | +0,067 | -0,063 | + 0,265 | 647                         | 31 42,697  | -2,617                           | "                   | + 5                | 31 40,085  |
| 9                      | " <i>l</i>                           | "          | 37 29,142  | 7                            | 37 50,547  | +0,066 | -0,063 | + 0,265 | 646                         | 37 25,169  | -2,644                           | "                   | - 43               | 37 22,482  |
| 10                     | " <i>o</i>                           | "          | 45 52,437  | 11                           | 46 13,834  | +0,069 | -0,059 | + 0,269 | 646                         | 45 48,467  | -2,715                           | "                   | - 26               | 45 45,726  |
| 11                     | " <i>q</i>                           | "          | 53 4,380   | 11                           | 53 25,772  | +0,066 | -0,063 | + 0,264 | 646                         | 53 0,393   | -2,686                           | "                   | - 56               | 52 57,651  |
| 12                     | " <i>t</i>                           | "          | 58 9,243   | 8                            | 58 30,631  | +0,069 | -0,060 | + 0,269 | 645                         | 58 5,264   | -2,755                           | "                   | - 2                | 58 2,507   |
| 13                     | 3 Geminorum                          | "          | 6 3 46,410   | 11                           | 6 4 7,793  | +0,068 | -0,060 | + 0,268 | 645                         | 6 3 42,424   | -2,770                           | "                   | - 11               | 6 3 39,643   |
| 14                     | $\eta$ Geminorum                     | "          | 8 57,231   | 11                           | 9 18,609   | +0,068 | -0,060 | + 0,268 | 645                         | 8 53,240   | -2,773                           | "                   | + 2                | 8 50,469   |
| 15                     | H 17 13 <sup>m</sup> 45 <sup>s</sup> | "          | 13 23,625  | 24                           |  |        |        |         |                             |  |                                  |                     |                    |  |
| 16                     | H 17 33 <sup>m</sup> 0 <sup>s</sup>  | "          | 7 32 38,617  | 25                           |  |        |        |         |                             |  |                                  |                     |                    |  |
| 17                     | $\times$ Geminorum                   | "          | 38 31,592  | 11                           | 7 38 52,971  | +0,070 | -0,055 | + 0,272 | 641                         | 7 38 27,617  | -2,962                           | "                   | + 1                | 7 38 24,656  |
| 18                     | $\rho$ Geminorum                     | "          | 47 29,660  | 11                           | 47 51,033  | +0,073 | -0,051 | + 0,277 | 640                         | 47 25,692  | -3,016                           | "                   | - 7                | 47 22,669  |
| 19                     | Mars <i>b</i>                        | "          | 55 9,490   | 11                           | 55 30,858  | +0,069 | -0,055 | + 0,270 | 640                         | 55 5,502   | -2,946                           | "                   | - 18               | 55 2,538   |
| 20                     | " <i>c</i>                           | "          | 8 2 12,884   | 10                           | 8 2 34,248   | +0,071 | -0,054 | + 0,272 | 640                         | 8 2 8,897  | -2,967                           | "                   | - 58               | 8 2 5,872  |
| 21                     | " <i>g</i>                           | "          | 7 53,154   | 11                           | 8 14,513   | +0,068 | -0,056 | + 0,269 | 640                         | 7 49,154   | -2,932                           | "                   | - 18               | 7 46,204   |
| 22                     | " <i>k</i>                           | "          | 14 42,434  | 10                           | 15 3,789   | +0,069 | -0,054 | + 0,271 | 639                         | 14 38,436  | -2,944                           | "                   | - 14               | 14 35,478  |
| 23                     | " <i>m</i>                           | "          | 20 49,980  | 11                           | 21 11,331  | +0,070 | -0,053 | + 0,272 | 639                         | 20 45,981  | -2,949                           | "                   | - 22               | 20 43,010  |
| 24                     | $\eta$ Cancri                        | "          | 27 2,514   | 12                           | 27 23,861  | +0,065 | -0,058 | + 0,264 | 639                         | 26 58,493  | -2,867                           | "                   | - 11               | 26 55,615  |

Jan. 20. Luft 2-3, feucht; (11) Beob. nur in Decl.

| Nr.                     | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17 | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension        | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0                 |
|-------------------------|--------------------------------------|------------|--|------------------------------|--|--------|--------|---------|-----------------------------|---|----------------------------------|---------------------|-----------------------|---|
| 1900 Januar 25 (Forts.) |                                      |            |  |                              |  |        |        |         |                             |   |                                  |                     |                       |   |
| 25                      | $\gamma$ Cancri                      | P          | 8h 37 <sup>m</sup> 36 <sup>s</sup> .925      | 11                           | 8h 37 <sup>m</sup> 58 <sup>s</sup> .265      | +0,066 | -0,057 | + 0,266 | 25,638                      | 8h 37 <sup>m</sup> 32 <sup>s</sup> .902 | -2,871                           | 0,000               | - 5                   | 8h 37 <sup>m</sup> 30 <sup>s</sup> .026 |
| 26                      | $\epsilon$ Cancri                    | "          | 40 45,860                                    | 11                           | 41 7,197                                     | +0,075 | -0,047 | + 0,283 | 638                         | 40 41,870                               | -3,009                           | "                   | - 1                   | 40 38,860                               |
| 27                      | H 17 48 <sup>m</sup> 40 <sup>s</sup> | "          | 48 18,667                                    | 24                           |  |        |        |         |                             |   |                                  |                     |                       |   |
| Februar 4 Arm Ost.      |                                      |            |  |                              |  |        |        |         |                             |   |                                  |                     |                       |   |
| 1                       | 42 Leonis min.                       | P          | 10 40 30,519                                 | 22                           | 10 40 48,129                                 | +0,036 | -0,045 | + 0,308 | 27,208                      | 10 40 21,197                            |                                  |                     | - *23                 |   |
| 2                       | $l$ Leonis                           | "          | 44 12,165                                    | 14                           | 44 29,774                                    | +0,025 | -0,072 | + 0,268 | 279                         | 44 2,693                                |                                  |                     | - *23                 |   |
| 3                       | 46 Leonis min.                       | "          | 47 55,433                                    | 23                           | 48 13,041                                    | +0,038 | -0,039 | + 0,320 | 238                         | 47 46,116                               |                                  |                     | - *6                  |   |
| 4                       | H 46 55 <sup>m</sup> 30 <sup>s</sup> | "          | 52 33,824                                    | 25                           | 52 51,430                                    |        |        |         |                             |   |                                  |                     |                       |   |
| 5                       | H 17 56 <sup>m</sup> 45 <sup>s</sup> | "          | 56 27,395                                    | 25                           |  |        |        |         |                             |   |                                  |                     |                       |   |
| Februar 6 Arm Ost.      |                                      |            |  |                              |  |        |        |         |                             |   |                                  |                     |                       |   |
| 1                       | H 17 52 <sup>m</sup> 0 <sup>s</sup>  | P          | 4 51 43,031                                  | 24                           |  |        |        |         |                             |   |                                  |                     |                       |   |
| 2                       | $\epsilon$ Tauri                     | "          | 57 19,716                                    | 11                           | 4 57 36,682                                  | +0,018 | -0,052 | + 0,285 | 27,525                      | 4 57 9,408                              | -2,347                           | 0,000               | - 5                   | 4 57 7,056                              |
| 3                       | 108 Tauri                            | "          | 5 9 39,758                                   | 7                            | 5 9 56,718                                   | +0,018 | -0,050 | + 0,286 | 526                         | 5 9 29,446                              | -2,426                           | "                   | - 16                  | 5 9 27,004                              |
| 4                       | $n$ Tauri                            | "          | 13 28,836                                    | 11                           | 13 45,794                                    | +0,018 | -0,050 | + 0,286 | 526                         | 13 18,522                               | -2,442                           | "                   | - 8                   | 13 16,072                               |
| 5                       | Neptun $c$                           | "          | 21 50,530                                    | 11                           | 22 7,484                                     | +0,018 | -0,051 | + 0,287 | 526                         | 21 40,212                               | -2,481                           | "                   | - 6                   | 21 37,725                               |
| 6                       | " $f$                                | "          | 27 54,958                                    | 11                           | 28 11,909                                    | +0,017 | -0,052 | + 0,284 | 527                         | 27 44,631                               | -2,485                           | "                   | - 15                  | 27 42,131                               |
| 7                       | " $i$                                | "          | 36 14,052                                    | 11                           | 36 31,000                                    | +0,018 | -0,049 | + 0,288 | 527                         | 36 3,730                                | -2,565                           | "                   | - 19                  | 36 1,146                                |
| 8                       | " $m$                                | "          | 41 25,478                                    | 11                           | 41 42,423                                    | +0,018 | -0,049 | + 0,288 | 527                         | 41 15,153                               | -2,587                           | "                   | - 39                  | 41 12,527                               |
| 9                       | " $p$                                | "          | 47 31,077                                    | 11                           | 47 48,019                                    | +0,018 | -0,050 | + 0,287 | 528                         | 47 20,746                               | -2,606                           | "                   | - 56                  | 47 18,084                               |
| 10                      | " $r$                                | "          | 53 52,316                                    | 11                           | 54 9,255                                     | +0,018 | -0,050 | + 0,286 | 528                         | 53 41,981                               | -2,625                           | "                   | - 22                  | 53 39,334                               |
| 11                      | " $t$                                | "          | 58 15,467                                    | 10                           | 58 32,404                                    | +0,018 | -0,048 | + 0,289 | 528                         | 58 5,135                                | -2,676                           | "                   | - 2                   | 58 2,457                                |
| 12                      | 3 Geminorum                          | "          | 6 3 52,728                                   | 10                           | 6 4 9,662                                    | +0,018 | -0,049 | + 0,289 | 528                         | 6 3 42,392                              | -2,697                           | "                   | - 11                  | 6 3 39,684                              |
| 13                      | $\eta$ Geminorum                     | "          | 9 3,541                                      | 11                           | 9 20,472                                     | +0,018 | -0,049 | + 0,288 | 529                         | 8 53,200                                | -2,705                           | "                   | + 2                   | 8 50,497                                |
| 14                      | H 46 15 <sup>m</sup> 30 <sup>s</sup> | "          | 12 33,779                                    | 24                           | 12 50,849                                    |        |        |         |                             |   |                                  |                     |                       |   |
| 15                      | H 17 16 <sup>m</sup> 50 <sup>s</sup> | "          | 16 33,072                                    | 25                           |  |        |        |         |                             |   |                                  |                     |                       |   |
| 16                      | H 17 31 <sup>m</sup> 50 <sup>s</sup> | "          | 7 31 33,075                                  | 24                           |  |        |        |         |                             |   |                                  |                     |                       |   |
| 17                      | 2 Geminorum                          | "          | 38 37,950                                    | 11                           | 7 38 54,871                                  | +0,018 | -0,045 | + 0,295 | 533                         | 7 38 27,606                             | -2,994                           | "                   | + 1                   | 7 38 24,613                             |
| 18                      | $\rho$ Geminorum                     | "          | 47 36,045                                    | 9                            | 47 52,961                                    | +0,018 | -0,042 | + 0,301 | 534                         | 47 25,704                               | -3,059                           | "                   | - 7                   | 47 22,638                               |
| 19                      | Mars $b$                             | "          | 55 15,867                                    | 10                           | 55 32,779                                    | +0,017 | -0,045 | + 0,293 | 534                         | 55 5,510                                | -2,997                           | "                   | - 18                  | 55 2,495                                |
| 20                      | " $d$                                | "          | 8 2 31,487                                   | 9                            | 8 2 48,396                                   | +0,018 | -0,043 | + 0,298 | 534                         | 8 2 21,135                              | -3,046                           | "                   | - 45                  | 8 2 18,044                              |
| 21                      | " $f$                                | "          | 4 39,280                                     | 11                           | 4 56,188                                     | +0,018 | -0,043 | + 0,298 | 534                         | 4 28,927                                | -3,047                           | "                   | - 14                  | 4 25,866                                |
| 22                      | " $g$                                | "          | 7 59,602                                     | 11                           | 8 16,508                                     | +0,017 | -0,046 | + 0,292 | 535                         | 7 49,236                                | -2,999                           | "                   | - 18                  | 7 46,219                                |
| 23                      | " $k$                                | "          | 14 48,866                                    | 11                           | 15 5,769                                     | +0,017 | -0,045 | + 0,295 | 535                         | 14 38,501                               | -3,020                           | "                   | - 14                  | 14 35,467                               |
| 24                      | " $m$                                | "          | 20 56,437                                    | 9                            | 21 13,337                                    | +0,018 | -0,044 | + 0,296 | 535                         | 20 46,072                               | -3,033                           | "                   | - 22                  | 20 43,017                               |
| 25                      | $\eta$ Cancri                        | "          | 27 8,962                                     | 10                           | 27 25,858                                    | +0,016 | -0,048 | + 0,288 | 536                         | 26 58,578                               | -2,956                           | "                   | - 11                  | 26 55,611                               |
| 26                      | $\gamma$ Cancri                      | "          | 37 43,392                                    | 10                           | 38 0,283                                     | +0,016 | -0,047 | + 0,290 | 536                         | 37 33,006                               | -2,975                           | "                   | - 5                   | 37 30,026                               |
| 27                      | $\epsilon$ Cancri                    | "          | 40 52,345                                    | 11                           | 41 9,234                                     | +0,018 | -0,039 | + 0,308 | 536                         | 40 41,985                               | -3,122                           | "                   | - 1                   | 40 38,862                               |
| 28                      | H 17 48 <sup>m</sup> 40 <sup>s</sup> | "          | 48 23,114                                    | 25                           |  |        |        |         |                             |   |                                  |                     |                       |   |
| Februar 8 Arm Ost.      |                                      |            |  |                              |  |        |        |         |                             |   |                                  |                     |                       |   |
| 1                       | H 17 53 <sup>m</sup> 0 <sup>s</sup>  | P          | 4 52 43,921                                  | 25                           |  |        |        |         |                             |   |                                  |                     |                       |   |
| 2                       | $\epsilon$ Tauri                     | "          | 57 20,663                                    | 9                            | 4 57 36,740                                  | 0,000  | -0,059 | + 0,287 | 27,585                      | 4 57 9,383                              | -2,329                           | 0,000               | - 5                   | 4 57 7,049                              |
| 3                       | 108 Tauri                            | "          | 5 9 40,671                                   | 11                           | 5 9 56,744                                   | 0,000  | -0,058 | + 0,288 | 585                         | 5 9 29,389                              | -2,408                           | "                   | - 16                  | 5 9 26,965                              |
| 4                       | $n$ Tauri                            | "          | 13 29,762                                    | 11                           | 13 45,834                                    | 0,000  | -0,058 | + 0,288 | 585                         | 13 18,479                               | -2,425                           | "                   | - 8                   | 13 16,046                               |
| 5                       | Neptun $c$                           | "          | 21 51,431                                    | 11                           | 22 7,499                                     | 0,000  | -0,058 | + 0,289 | 585                         | 21 40,145                               | -2,466                           | "                   | - 6                   | 21 37,673                               |
| 6                       | " $f$                                | "          | 27 55,919                                    | 11                           | 28 11,985                                    | 0,000  | -0,060 | + 0,286 | 585                         | 27 44,626                               | -2,470                           | "                   | - 15                  | 27 42,141                               |

Febr. 4. Nebelwolken; (1) mittl. Gr. 7,0; (2) mittl. Gr. 7,0, bisweilen ganz unsichtbar; (3) bisweilen etwas geschwächt, angen.  
Gr. 5,0. Febr. 6. Luft zuerst 2, nachher 2-3; Feldbeleuchtung schwach. Febr. 8. Luft 2-3; (4) undul.

| Nr.                     | Stern                                | Beobachter | Durchgangszeit<br>Mittelf. nach<br>Knoblich         | Anzahl Fäden oder<br>Signale | Durchgangszeit<br>Mittelf. nach<br>Hohwü 17         | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0                            |
|-------------------------|--------------------------------------|------------|---|------------------------------|---|--------|--------|---------|-----------------------------|--|----------------------------------|---------------------|-----------------------|--|
| 1900 Februar 8 (Forts.) |                                      |            |   |                              |   |        |        |         |                             |  |                                  |                     |                       |  |
| 7                       | Neptun <i>i</i>                      | P          | 5 <sup>h</sup> 36 <sup>m</sup> 15 <sup>s</sup> .059 | 11                           | 5 <sup>h</sup> 36 <sup>m</sup> 31 <sup>s</sup> .123 | 0,000  | -0,057 | + 0,290 | 27,584                      | 5 <sup>h</sup> 36 <sup>m</sup> 3 <sup>s</sup> .772 | -2,551                           | 0,000               | - 19                  | 5 <sup>h</sup> 36 <sup>m</sup> 1 <sup>s</sup> .202 |
| 8                       | " <i>m</i>                           | "          | 41 26,443   | 11                           | 41 42,504   | 0,000  | -0,057 | + 0,290 | 584                         | 41 15,153  | -2,573                           | "                   | - 39                  | 41 12,541  |
| 9                       | " <i>p</i>                           | "          | 47 32,056   | 11                           | 47 48,114   | 0,000  | -0,057 | + 0,289 | 584                         | 47 20,762  | -2,593                           | "                   | - 56                  | 47 18,113  |
| 10                      | " <i>r</i>                           | "          | 53 53,336   | 11                           | 54 9,391  | 0,000  | -0,058 | + 0,288 | 584                         | 53 42,037  | -2,613                           | "                   | - 22                  | 53 39,402  |
| 11                      | " <i>t</i>                           | "          | 58 16,445   | 11                           | 58 32,499   | 0,000  | -0,056 | + 0,292 | 584                         | 58 5,151   | -2,664                           | "                   | - 2                   | 58 2,485   |
| 12                      | 3 Geminorum                          | "          | 6 3 53,648  | 11                           | 6 4 9,700   | 0,000  | -0,056 | + 0,291 | 584                         | 6 3 42,351   | -2,686                           | "                   | - 11                  | 6 3 39,655   |
| 13                      | 7 Geminorum                          | "          | 9 4,421   | 11                           | 9 20,471  | 0,000  | -0,057 | + 0,291 | 584                         | 8 53,121   | -2,695                           | "                   | + 2                   | 8 50,428   |
| 14                      | H 46 15 <sup>m</sup> 40 <sup>s</sup> | "          | 12 43,930   | 25                           | 12 59,979   |        |        |         |                             |  |                                  |                     |                       |  |
| 15                      | H 17 16 <sup>m</sup> 20 <sup>s</sup> | "          | 16 3,953  | 25                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 16                      | H 17 31 <sup>m</sup> 40 <sup>s</sup> | "          | 7 31 23,959   | 25                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 17                      | 7 Geminorum                          | "          | 38 39,047   | 10                           | 7 38 55,084   | -0,001 | -0,053 | + 0,298 | 581                         | 7 38 27,747  | -2,999                           | "                   | + 1                   | 7 38 24,749  |
| 18                      | 7 Geminorum                          | "          | 47 37,082   | 8                            | 47 53,114   | -0,001 | -0,050 | + 0,304 | 581                         | 47 25,786  | -3,066                           | "                   | - 7                   | 47 22,713  |
| 19                      | Mars <i>b</i>                        | "          | 55 16,917   | 9                            | 55 32,944   | -0,001 | -0,054 | + 0,296 | 581                         | 55 5,604   | -3,006                           | "                   | - 18                  | 55 2,580   |
| 20                      | " <i>d</i>                           | "          | 8 2 32,421  | 11                           | 8 2 48,444  | -0,001 | -0,051 | + 0,301 | 581                         | 8 2 21,112   | -3,056                           | "                   | - 45                  | 8 2 18,011   |
| 21                      | " <i>f</i>                           | "          | 4 40,264  | 10                           | 4 56,285  | -0,001 | -0,051 | + 0,301 | 581                         | 4 28,953   | -3,057                           | "                   | - 14                  | 4 25,882   |
| 22                      | " <i>g</i>                           | "          | 8 0,618   | 8                            | 8 16,637  | -0,001 | -0,055 | + 0,295 | 581                         | 7 49,295   | -3,010                           | "                   | - 18                  | 7 46,267   |
| 23                      | " <i>k</i>                           | "          | 14 49,813   | 11                           | 15 5,828  | -0,001 | -0,053 | + 0,298 | 580                         | 14 38,492  | -3,033                           | "                   | - 14                  | 14 35,445  |
| 24                      | " <i>m</i>                           | "          | 20 57,353   | 10                           | 21 13,364   | -0,001 | -0,053 | + 0,299 | 580                         | 20 46,029  | -3,046                           | "                   | - 22                  | 20 42,961  |
| 25                      | 7 Cancri                             | "          | 27 10,016   | 7                            | 27 26,024   | -0,001 | -0,058 | + 0,291 | 580                         | 26 58,676  | -2,971                           | "                   | - 11                  | 26 55,694  |
| 26                      | 7 Cancri                             | "          | 37 44,321   | 11                           | 38 0,322  | -0,002 | -0,056 | + 0,293 | 580                         | 37 32,977  | -2,991                           | "                   | - 5                   | 37 29,981  |
| 27                      | 1 Cancri                             | "          | 40 53,232   | 11                           | 41 9,231  | -0,002 | -0,046 | + 0,311 | 580                         | 40 41,914  | -3,140                           | "                   | - 1                   | 40 38,773  |
| 28                      | H 17 45 <sup>m</sup> 55 <sup>s</sup> | "          | 45 39,004   | 25                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 29                      | Polaris U. C.                        | "          | 13 25 45,67   | 23                           | 13 23 5,55  | +0,11  | -2,52  | -13,12  | 27,79                       | 13 22 22,23  |                                  |                     |                       |  |
| Februar 9 Arm Ost.      |                                      |            |   |                              |   |        |        |         |                             |  |                                  |                     |                       |  |
| 1                       | Polaris O. C.                        | P          | 1 25 15,05  | 29                           | 1 22 34,76  | +0,08  | +3,62  | +12,50  | 27,79                       | 1 22 23,17   |                                  |                     |                       |  |
| 2                       | H 17 45 <sup>m</sup> 50 <sup>s</sup> | "          | 1 45 34,299   | 13                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 3                       | H 46 51 <sup>m</sup> 0 <sup>s</sup>  | "          | 48 24,003   | 13                           | 48 39,703   |        |        |         |                             |  |                                  |                     |                       |  |
| 4                       | H 17 52 <sup>m</sup> 0 <sup>s</sup>  | "          | 4 51 40,345   | 25                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 5                       | 1 Tauri                              | "          | 57 21,010   | 11                           | 4 57 36,663   | +0,002 | -0,072 | + 0,292 | 27,537                      | 4 57 9,348   | -2,320                           | 0,000               | - 5                   | 4 57 7,023   |
| 6                       | 108 Tauri                            | "          | 5 9 41,044  | 10                           | 5 9 56,691  | +0,001 | -0,071 | + 0,294 | 537                         | 5 9 29,378   | -2,401                           | "                   | - 16                  | 5 9 26,961   |
| 7                       | 7 Tauri                              | "          | 13 30,162   | 11                           | 13 45,808   | +0,001 | -0,071 | + 0,293 | 537                         | 13 18,494  | -2,417                           | "                   | - 8                   | 13 16,069  |
| 8                       | Neptun <i>c</i>                      | "          | 21 51,859   | 11                           | 22 7,501  | 0,000  | -0,071 | + 0,293 | 537                         | 21 40,186  | -2,458                           | "                   | - 6                   | 21 37,722  |
| 9                       | " <i>f</i>                           | "          | 27 56,313   | 11                           | 28 11,953   | -0,001 | -0,072 | + 0,291 | 537                         | 27 44,634  | -2,463                           | "                   | - 15                  | 27 42,156  |
| 10                      | " <i>i</i>                           | "          | 36 15,411   | 11                           | 36 31,047   | -0,001 | -0,069 | + 0,296 | 537                         | 36 3,736   | -2,544                           | "                   | - 19                  | 36 1,173   |
| 11                      | " <i>n</i>                           | "          | 41 54,517   | 11                           | 42 10,150   | -0,001 | -0,071 | + 0,292 | 537                         | 41 42,833  | -2,539                           | "                   | - 33                  | 41 40,261  |
| 12                      | " <i>v</i>                           | "          | 48 41,909   | 11                           | 48 57,540   | -0,002 | -0,072 | + 0,291 | 537                         | 48 30,220  | -2,559                           | "                   | - 4                   | 48 27,657  |
| 13                      | " <i>r</i>                           | "          | 53 53,681   | 11                           | 54 9,310  | -0,002 | -0,069 | + 0,294 | 537                         | 53 41,996  | -2,608                           | "                   | - 22                  | 53 39,366  |
| 14                      | " <i>t</i>                           | "          | 58 16,838   | 11                           | 58 32,465   | -0,003 | -0,066 | + 0,297 | 537                         | 58 5,156   | -2,659                           | "                   | - 2                   | 58 2,495   |
| 15                      | 3 Geminorum                          | "          | 6 3 54,012  | 11                           | 6 4 9,636   | -0,003 | -0,067 | + 0,297 | 537                         | 6 3 42,326   | -2,681                           | "                   | - 11                  | 6 3 39,634   |
| 16                      | 7 Geminorum                          | "          | 9 4,884   | 11                           | 9 20,505  | -0,003 | -0,067 | + 0,296 | 537                         | 8 53,194   | -2,691                           | "                   | + 2                   | 8 50,505   |
| 17                      | H 46 15 <sup>m</sup> 30 <sup>s</sup> | "          | 12 34,019   | 25                           | 12 49,639   |        |        |         |                             |  |                                  |                     |                       |  |
| 18                      | H 17 16 <sup>m</sup> 10 <sup>s</sup> | "          | 15 54,381   | 24                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 19                      | H 17 25 <sup>m</sup> 30 <sup>s</sup> | "          | 7 25 14,384   | 25                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 20                      | 7 Geminorum                          | "          | 38 39,366   | 11                           | 7 38 54,978   | -0,012 | -0,059 | + 0,301 | 538                         | 7 38 27,670  | -3,002                           | "                   | + 1                   | 7 38 24,669  |
| 21                      | 7 Geminorum                          | "          | 47 37,450   | 11                           | 47 53,059   | -0,013 | -0,055 | + 0,309 | 538                         | 47 25,762  | -3,070                           | "                   | - 7                   | 47 22,685  |

Febr. 8. (26) sehr unruhig; (29) wallende Nebelmasse von 10" Durchmesser. Febr. 9. Im Anfang cirri und schwache Sterne schwierig; Luft 2-3; (1) sehr unruhig und Störung durch Lärm; (13) Feld vom Monde stark beleuchtet.

| Nr.                     | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich       | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17       | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                  | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.-<br>Gleichung | Rectascension<br>1900,0                           |
|-------------------------|--------------------------------------|------------|--|------------------------------|--|--------|--------|---------|-----------------------------|---|----------------------------------|---------------------|------------------------|---|
| 1900 Februar 9 (Forts.) |                                      |            |  |                              |  |        |        |         |                             |   |                                  |                     |                        |   |
| 22                      | Mars <i>b</i>                        | P          | 7 <sup>h</sup> 55 <sup>m</sup> 17 <sup>s</sup> 208 | 11                           | 7 <sup>h</sup> 55 <sup>m</sup> 32 <sup>s</sup> 814 | -0,013 | -0,059 | + 0,301 | 27 <sup>s</sup> 538         | 7 <sup>h</sup> 55 <sup>m</sup> 5 <sup>s</sup> 505 | -3,010                           | 0 <sup>s</sup> 000  | - 18                   | 7 <sup>h</sup> 55 <sup>m</sup> 2 <sup>s</sup> 477 |
| 23                      | „ <i>d</i>                           | „          | 8 2 32,829   | 11                           | 8 2 48,433   | -0,014 | -0,056 | + 0,306 | 538                         | 8 2 21,131  | -3,061                           | „                   | - 45                   | 8 2 18,025  |
| 24                      | „ <i>f</i>                           | „          | 4 40,671   | 9                            | 4 56,275   | -0,014 | -0,056 | + 0,305 | 538                         | 4 28,972  | -3,062                           | „                   | - 14                   | 4 25,896  |
| 25                      | „ <i>g</i>                           | „          | 8 1,009  | 11                           | 8 16,612   | -0,014 | -0,059 | + 0,300 | 538                         | 7 49,301  | -3,016                           | „                   | - 18                   | 7 46,267  |
| 26                      | „ <i>k</i>                           | „          | 14 50,258  | 11                           | 15 5,859   | -0,015 | -0,058 | + 0,302 | 538                         | 14 38,550   | -3,039                           | „                   | - 14                   | 14 35,497   |
| 27                      | „ <i>m</i>                           | „          | 20 57,790  | 11                           | 21 13,389  | -0,016 | -0,057 | + 0,303 | 538                         | 20 46,081   | -3,054                           | „                   | - 22                   | 20 43,005   |
| 28                      | γ Cancri                             | „          | 27 10,315  | 11                           | 27 25,912  | -0,015 | -0,062 | + 0,294 | 538                         | 26 58,591   | -2,978                           | „                   | - 11                   | 26 55,602   |
| 29                      | γ Cancri                             | „          | 37 44,726  | 11                           | 38 0,320   | -0,016 | -0,060 | + 0,296 | 538                         | 37 33,002   | -3,000                           | „                   | - 5                    | 37 29,997   |
| 30                      | ε Cancri                             | „          | 40 53,682  | 6                            | 41 9,275   | -0,018 | -0,049 | + 0,315 | 538                         | 40 41,985   | -3,149                           | „                   | - 1                    | 40 38,835   |
| 31                      | H 17 45 <sup>m</sup> 40 <sup>s</sup> | „          | 45 24,408  | 25                           |  |        |        |         |                             |   |                                  |                     |                        |   |
| 32                      | H 17 21 <sup>m</sup> 30 <sup>s</sup> | „          | 11 21 14,460                                       | 24                           |  |        |        |         |                             |   |                                  |                     |                        |   |
| 33                      | ν Leonis                             | „          | 32 4,019   | 11                           | 11 32 19,554                                       | -0,012 | -0,074 | + 0,278 | 539                         | 11 31 52,207                                      | -2,529                           | „                   | - 5                    | 11 31 49,673                                      |
| 34                      | β Virginis                           | „          | 45 43,473  | 11                           | 45 59,003  | -0,013 | -0,070 | + 0,278 | 539                         | 45 31,659   | -2,480                           | „                   | - 1                    | 45 29,178   |
| 35                      | δ Virginis                           | „          | 55 3,841   | 11                           | 55 19,367  | -0,013 | -0,068 | + 0,279 | 539                         | 54 52,026   | -2,444                           | „                   | - 9                    | 54 49,573   |
| 36                      | Jupiter I <i>b</i>                   | „          | 12 20 25,064                                       | 11                           | 12 20 40,580                                       | -0,012 | -0,071 | + 0,279 | 540                         | 12 20 13,236                                      | -2,353                           | „                   | - 65                   | 12 20 10,818                                      |
| 37                      | „ <i>d</i>                           | „          | 24 16,080  | 11                           | 24 31,594  | -0,012 | -0,072 | + 0,279 | 540                         | 24 4,249  | -2,342                           | „                   | - 39                   | 24 1,868  |
| 38                      | „ <i>f</i>                           | „          | 28 6,237   | 11                           | 28 21,750  | -0,012 | -0,069 | + 0,279 | 540                         | 27 54,408   | -2,318                           | „                   | - 45                   | 27 52,045   |
| 39                      | „ <i>h</i>                           | „          | 32 11,856  | 11                           | 32 27,367  | -0,012 | -0,071 | + 0,279 | 540                         | 32 0,023  | -2,309                           | „                   | - 27                   | 31 57,687   |
| 40                      | P.XII. 170                           | „          | 39 17,373  | 11                           | 39 32,881  | -0,012 | -0,071 | + 0,279 | 540                         | 39 5,537  | -2,281                           | „                   | - 23                   | 39 3,233  |
| 41                      | 35 Virginis                          | „          | 42 59,929  | 11                           | 43 15,436  | -0,013 | -0,065 | + 0,280 | 540                         | 42 48,098   | -2,239                           | „                   | - 19                   | 42 45,840   |
| 42                      | 37 Virginis                          | „          | 46 45,434  | 11                           | 47 0,940   | -0,013 | -0,065 | + 0,280 | 540                         | 46 33,602   | -2,223                           | „                   | - 16                   | 46 31,363   |
| 43                      | H 46 52 <sup>m</sup> 35 <sup>s</sup> | „          | 49 39,033  | 13                           | 49 54,537  |        |        |         |                             |   |                                  |                     |                        |   |
| 44                      | H 17 52 <sup>m</sup> 30 <sup>s</sup> | „          | 52 14,497  | 24                           |  |        |        |         |                             |   |                                  |                     |                        |   |
| 45                      | Polaris U.C.                         | „          | 13 25 44,87  | 24                           | 13 23 4,40   | +0,73  | -2,46  | -13,16  | 27,75                       | 13 22 21,76                                       |                                  |                     |                        |   |
| Februar 20 Arm Ost.     |                                      |            |  |                              |  |        |        |         |                             |   |                                  |                     |                        |   |
| 1                       | Br. 1197                             | B          | 8 21 2,546   | 23                           | 8 21 12,558  | +0,050 | -0,067 | + 0,254 | 30,318                      | 8 20 42,474                                       |                                  |                     | - 3                    |   |
| 2                       | H 46 27 <sup>m</sup> 0 <sup>s</sup>  | „          | 24 5,420   | 27                           | 24 15,430  |        |        |         |                             |   |                                  |                     |                        |   |
| 3                       | γ Cancri                             | „          | 27 18,557  | 16                           | 27 28,566  | +0,080 | -0,045 | + 0,271 | 277                         | 26 58,572   |                                  |                     | - 23                   |   |
| 4                       | δ Cancri                             | „          | 39 23,133  | 23                           | 39 33,137  | +0,077 | -0,047 | + 0,267 | 320                         | 39 3,110  |                                  |                     | - 4                    |   |
| 5                       | ε Hydrae                             | „          | 41 51,686  | 20                           | 42 1,689   | +0,062 | -0,058 | + 0,255 | 354                         | 41 31,598   |                                  |                     | + 4                    |   |
| 6                       | H 17 46 <sup>m</sup> 0 <sup>s</sup>  | „          | 45 49,998  | 26                           |  |        |        |         |                             |   |                                  |                     |                        |   |
| März 2 Arm Ost.         |                                      |            |  |                              |  |        |        |         |                             |   |                                  |                     |                        |   |
| 1                       | λ Geminorum                          | P          | 7 12 50,320  | 23                           | 7 12 54,380  | +0,069 | +0,010 | + 0,271 | 31,351                      | 7 12 23,380                                       |                                  |                     | + 1                    |   |
| 2                       | ε Geminorum                          | „          | 20 0,733   | 23                           | 20 4,791   | +0,084 | +0,008 | + 0,295 | 343                         | 19 33,834   |                                  |                     | - 1                    |   |
| 3                       | ρ Geminorum                          | „          | 23 10,615  | 20                           | 23 14,672  | +0,090 | +0,007 | + 0,307 | 324                         | 22 43,750   |                                  |                     | - 2                    |   |
| 4                       | H 46 29 <sup>m</sup> 20 <sup>s</sup> | „          | 26 27,205  | 25                           | 26 31,261  |        |        |         |                             |   |                                  |                     |                        |   |
| 5                       | H 17 30 <sup>m</sup> 40 <sup>s</sup> | „          | 30 35,945  | 25                           |  |        |        |         |                             |   |                                  |                     |                        |   |
| März 9 Arm Ost.         |                                      |            |  |                              |  |        |        |         |                             |   |                                  |                     |                        |   |
| 1                       | ξ Geminorum                          | P          | 6 58 41,291  | 23                           | 6 58 43,870  | +0,028 | +0,002 | + 0,274 | 30,983                      | 6 58 13,190                                       |                                  |                     | - 1                    |   |
| 2                       | 63 Aurigae                           | „          | 7 5 17,624   | 23                           | 7 5 20,201   | +0,039 | +0,001 | + 0,332 | 938                         | 7 4 49,628  |                                  |                     | - 7                    |   |
| 3                       | λ Geminorum                          | „          | 12 51,388  | 23                           | 12 53,964  | +0,026 | +0,002 | + 0,267 | 983                         | 12 23,277   |                                  |                     | + 1                    |   |
| 4                       | H 46 18 <sup>m</sup> 50 <sup>s</sup> | „          | 15 55,721  | 22                           | 15 58,296  |        |        |         |                             |   |                                  |                     |                        |   |
| 5                       | H 17 20 <sup>m</sup> 0 <sup>s</sup>  | „          | 19 57,426  | 25                           |  |        |        |         |                             |   |                                  |                     |                        |   |
| 6                       | Polaris U.C.o.P.                     | „          | 13 25 37,29  | 14                           | 13 22 45,47  | -0,40  | +1,12  | -12,21  | 31,16                       | 13 22 2,82  |                                  |                     |                        |   |
| 7                       | „ „ m.P.                             | „          | 25 38,27   | 14                           | 22 46,45   | „      | „      | „       | 16                          | 22 3,80   |                                  |                     |                        |   |

Febr. 9. (45) sehr unruhig. März 9. (6) und (7) bisweilen sehr unruhig.

1919Aref...10...1V

| Nr.                   | Stern                                | Beobachter | Durchgangszeit Mittelf. nach Knoblich | Anzahl Fäden oder Signale | Durchgangszeit Mittelf. nach Hohwü 17 | i I.               | k K.               | c C.                | Corr. von Hohwü 17 | Scheinbare Rectascension                         | Red. auf Jahresanfang | Red. f. Precession | Helligk. Gleichung | Rectascension 1900,0                               |
|-----------------------|--------------------------------------|------------|---------------------------------------|---------------------------|---------------------------------------|--------------------|--------------------|---------------------|--------------------|--|-----------------------|--------------------|--------------------|--|
| 1900 März 10 Arm Ost. |                                      |            |                                       |                           |                                       |                    |                    |                     |                    |  |                       |                    |                    |  |
| 1                     | Polaris O.C.o.P.                     | B          | 1 <sup>h</sup> 25 <sup>m</sup> 11,89  | 11                        | 1 <sup>h</sup> 22 <sup>m</sup> 19,97  | +1 <sup>s</sup> 17 | -0 <sup>s</sup> 87 | +11 <sup>s</sup> 41 | 31 <sup>s</sup> 12 | 1 <sup>h</sup> 22 <sup>m</sup> 0 <sup>s</sup> 56 |                       |                    |                    |  |
| 2                     | „ „ m.P.                             | „          | 25 12,09                              | 14                        | 22 20,77                              | „                  | „                  | „                   | 11                 | 22 1,37  |                       |                    |                    |  |
| 3                     | γ Geminorum                          | „          | 7 38 56,003                           | 11                        | 7 38 58,221                           | +0,020             | +0,013             | + 0,276             | 31,100             | 7 38 27,430                                      | -2 <sup>s</sup> 736   | 0 <sup>s</sup> 000 | + 3                | 7 <sup>h</sup> 38 <sup>m</sup> 24 <sup>s</sup> 697 |
| 4                     | H 17 44 <sup>m</sup> 0 <sup>s</sup>  | „          | 43 57,784                             | 24                        |                                       |                    |                    |                     |                    |  |                       |                    |                    |  |
| 5                     | ρ Geminorum                          | „          | 47 54,073                             | 11                        | 47 56,288                             | +0,020             | +0,012             | + 0,283             | 100                | 47 25,503  | -2,819                | „                  | - 16               | 47 22,668  |
| 6                     | Mars a                               | „          | 55 24,312                             | 11                        | 55 26,524                             | +0,020             | +0,013             | + 0,279             | 099                | 54 55,737  | -2,821                | „                  | - 33               | 54 52,883  |
| 7                     | „ c                                  | „          | 8 2 23,994                            | 11                        | 8 2 26,204                            | +0,019             | +0,013             | + 0,276             | 099                | 8 1 55,413                                       | -2,820                | „                  | - 81               | 8 1 52,512   |
| 8                     | „ f                                  | „          | 4 57,356                              | 10                        | 4 59,566                              | +0,020             | +0,013             | + 0,280             | 099                | 4 28,780   | -2,858                | „                  | - 30               | 4 25,892   |
| 9                     | „ l                                  | „          | 16 28,426                             | 11                        | 16 30,632                             | +0,019             | +0,014             | + 0,274             | 098                | 15 59,841  | -2,849                | „                  | - 77               | 15 56,915  |
| 10                    | „ n                                  | „          | 22 3,445                              | 11                        | 22 5,648                              | +0,019             | +0,014             | + 0,275             | 098                | 21 34,858  | -2,871                | „                  | - 69               | 21 31,918  |
| 11                    | γ Cancri                             | „          | 27 27,075                             | 11                        | 27 29,277                             | +0,018             | +0,014             | + 0,270             | 097                | 26 58,482  | -2,840                | „                  | - 26               | 26 55,616  |
| 12                    | H 46 34 <sup>m</sup> 0 <sup>s</sup>  | „          | 31 5,708                              | 24                        | 31 7,909                              |                    |                    |                     |                    |  |                       |                    |                    |  |
| 13                    | γ Cancri                             | „          | 38 1,495                              | 11                        | 38 3,694                              | +0,020             | +0,014             | + 0,273             | 096                | 37 32,905  | -2,889                | „                  | - 13               | 37 30,003  |
| 14                    | ε Cancri                             | „          | 41 10,471                             | 10                        | 41 12,669                             | +0,022             | +0,012             | + 0,290             | 096                | 40 41,897  | -3,038                | „                  | - 3                | 40 38,856  |
| 15                    | β Lyncis                             | „          | 9 7 47,919                            | 19                        | 9 7 50,108                            | +0,029             | +0,005             | + 0,351             | 051                | 9 7 19,422                                       |                       |                    | - 20               |  |
| 16                    | δ Hydrae                             | „          | 9 41,064                              | 12                        | 9 43,252                              | +0,014             | +0,020             | + 0,254             | 093                | 9 12,443   |                       |                    | - 4                |  |
| 17                    | δ Cancri                             | „          | 13 55,596                             | 20                        | 13 57,782                             | +0,018             | +0,015             | + 0,267             | 053                | 13 26,988  |                       |                    | - 41               |  |
| 18                    | H 17 17 <sup>m</sup> 0 <sup>s</sup>  | „          | 16 57,815                             | 24                        |                                       |                    |                    |                     |                    |  |                       |                    |                    |  |
| 19                    | α Hydrae                             | „          | 23 11,750                             | 23                        | 23 13,933                             | +0,010             | +0,023             | + 0,257             | 149                | 22 43,103  |                       |                    | + 29               |  |
| 20                    | γ Leonis min.                        | „          | 27 54,122                             | 22                        | 27 56,304                             | +0,027             | +0,009             | + 0,318             |                    |  |                       |                    |                    |  |
| 21                    | H 46 31 <sup>m</sup> 30 <sup>s</sup> | P          | 12 28 35,700                          | 25                        |                                       |                    |                    |                     |                    |  |                       |                    |                    |  |
| 22                    | H 17 36 <sup>m</sup> 25 <sup>s</sup> | „          | 36 22,880                             | 25                        |                                       |                    |                    |                     |                    |  |                       |                    |                    |  |
| 23                    | Polaris U.C.m.P.                     | „          | 13 25 38,06                           | 15                        | 13 22 45,86                           | -0,26              | +0,56              | -12,11              | 31,08              | 13 22 2,97                                       |                       |                    |                    |  |
| 24                    | „ „ o.P.                             | „          | 25 38,34                              | 13                        | 22 46,14                              | „                  | „                  | „                   | 08                 | 22 3,25  |                       |                    |                    |  |
| März 16 Arm Ost.      |                                      |            |                                       |                           |                                       |                    |                    |                     |                    |  |                       |                    |                    |  |
| 1                     | H 46 58 <sup>m</sup> 0 <sup>s</sup>  | P          | 6 55 5,256                            | 25                        | 6 55 5,451                            |                    |                    |                     |                    |  |                       |                    |                    |  |
| 2                     | ξ Geminorum                          | „          | 58 43,778                             | 22                        | 58 43,974                             | +0,044             | +0,008             | + 0,270             | 31,226             | 6 58 13,069                                      |                       |                    | - 1                |  |
| 3                     | β Aurigae                            | „          | 7 5 20,103                            | 22                        | 7 5 20,301                            | +0,061             | +0,004             | + 0,328             | 207                | 7 4 49,480                                       |                       |                    | - 7                |  |
| 4                     | λ Geminorum                          | „          | 12 53,859                             | 21                        | 12 54,059                             | +0,041             | +0,008             | + 0,264             | 218                | 12 23,155  |                       |                    | + 1                |  |
| 5                     | H 17 12 <sup>m</sup> 30 <sup>s</sup> | „          | 23 12 30,498                          | 24                        |                                       |                    |                    |                     |                    |  |                       |                    |                    |  |
| 6                     | H 46 18 <sup>m</sup> 30 <sup>s</sup> | „          | 15 35,265                             | 25                        | 23 15 35,764                          |                    |                    |                     |                    |  |                       |                    |                    |  |
| März 20 Arm Ost.      |                                      |            |                                       |                           |                                       |                    |                    |                     |                    |  |                       |                    |                    |  |
| 1                     | ξ Leonis                             | B          | 10 11 44,036                          | 23                        | 10 11 42,460                          | +0,018             | +0,018             | + 0,280             | 31,994             | 10 11 10,783                                     |                       |                    | + 1                |  |
| 2                     | μ Ursae maj.                         | „          | 16 58,984                             | 22                        | 16 57,406                             | +0,025             | +0,008             | + 0,345             | 972                | 16 25,822  |                       |                    | + 10               |  |
| 3                     | β Leonis min.                        | „          | 22 42,665                             | 22                        | 22 41,085                             | +0,023             | +0,011             | + 0,322             | 32,004             | 22 9,430   |                       |                    | - 7                |  |
| 4                     | H 46 29 <sup>m</sup> 0 <sup>s</sup>  | „          | 26 4,943                              | 24                        | 26 3,362                              |                    |                    |                     |                    |  |                       |                    |                    |  |
| 5                     | H 17 31 <sup>m</sup> 0 <sup>s</sup>  | „          | 31 1,582                              | 11                        |                                       |                    |                    |                     |                    |  |                       |                    |                    |  |
| 6                     | Polaris U.C.o.P.                     | P          | 13 25 37,81                           | 14                        | 13 22 41,12                           | -0,73              | +0,80              | -12,10              | 32,00              | 13 21 57,09                                      |                       |                    |                    |  |
| 7                     | „ „ m.P.                             | „          | 25 39,95                              | 12                        | 22 43,26                              | „                  | „                  | „                   | 00                 | 21 59,23   |                       |                    |                    |  |
| März 22 Arm Ost.      |                                      |            |                                       |                           |                                       |                    |                    |                     |                    |  |                       |                    |                    |  |
| 1                     | H 17 26 <sup>m</sup> 35 <sup>s</sup> | P          | 11 26 37,422                          | 24                        |                                       |                    |                    |                     |                    |  |                       |                    |                    |  |
| 2                     | ν Leonis                             | „          | 32 26,876                             | 10                        | 11 32 24,451                          | +0,008             | +0,007             | + 0,248             | 32,092             | 11 31 52,622                                     | -2,938                | 0,000              | - 5                | 11 31 49,679                                       |
| 3                     | H 46 45 <sup>m</sup> 0 <sup>s</sup>  | „          | 42 4,938                              | 25                        | 42 2,506                              |                    |                    |                     |                    |  |                       |                    |                    |  |
| 4                     | β Virginis                           | „          | 46 6,326                              | 10                        | 46 3,891                              | +0,009             | +0,009             | + 0,249             | 095                | 45 32,063  | -2,946                | „                  | - 1                | 45 29,116  |

März 10. (1) und (2) Luft 3-4; (19) sehr unruhig; (20) irrtümlich beobachtet statt 10 Leon. min.; (23) und (24) Luft 5, bisweilen Nebelmasse von 20" Durchmesser. März 20. (6) und (7) Luft 5.

| Nr.                   | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich              | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17              | i I.   | k K.   | c C.    | Corr. von Hohwü 17 | Scheinbare Rect-ascension                           | Red. auf Jahres-anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension 1900,0                                |
|-----------------------|--------------------------------------|------------|---|---------------------------|---|--------|--------|---------|--------------------|---|------------------------|---------------------|--------------------|---|
| 1900 März 22 (Forts.) |                                      |            |   |                           |   |        |        |         |                    |   |                        |                     |                    |   |
| 5                     | <i>b</i> Virginis                    | P          | 11 <sup>h</sup> 55 <sup>m</sup> 26 <sup>s</sup> 781 | 11                        | 11 <sup>h</sup> 55 <sup>m</sup> 24 <sup>s</sup> 339 | +0,010 | +0,010 | + 0,249 | 32,096             | 11 <sup>h</sup> 54 <sup>m</sup> 52 <sup>s</sup> 512 | -2,947                 | 0,000               | - 9                | 11 <sup>h</sup> 54 <sup>m</sup> 49 <sup>s</sup> 556 |
| 6                     | Jupiter I <i>b</i>                   | "          | 12 20 48,128  | 10                        | 12 20 45,669  | +0,010 | +0,012 | + 0,249 | 098                | 12 20 13,842  | -2,954                 | "                   | - 65               | 12 20 10,823  |
| 7                     | " <i>d</i>                           | "          | 24 39,190   | 7                         | 24 36,729   | +0,009 | +0,012 | + 0,249 | 099                | 24 4,900  | -2,958                 | "                   | - 39               | 24 1,903  |
| 8                     | " <i>f</i>                           | "          | 28 29,381   | 11                        | 28 26,917   | +0,010 | +0,012 | + 0,250 | 100                | 27 55,089   | -2,948                 | "                   | - 45               | 27 52,096   |
| 9                     | " <i>h</i>                           | "          | 32 35,031   | 11                        | 32 32,564   | +0,009 | +0,012 | + 0,250 | 100                | 32 0,735  | -2,955                 | "                   | - 27               | 31 57,753   |
| 10                    | P. XII 170                           | "          | 39 40,477   | 11                        | 39 38,005   | +0,010 | +0,014 | + 0,250 | 101                | 39 6,178  | -2,954                 | "                   | - 23               | 39 3,201  |
| 11                    | 35 Virginis                          | "          | 43 23,121   | 11                        | 43 20,647   | +0,011 | +0,013 | + 0,251 | 101                | 42 48,821   | -2,924                 | "                   | - 19               | 42 45,878   |
| 12                    | 37 Virginis                          | "          | 47 8,664  | 11                        | 47 6,187  | +0,012 | +0,014 | + 0,251 | 102                | 46 34,362   | -2,922                 | "                   | - 16               | 46 31,424   |
| 13                    | H 17 51 <sup>m</sup> 15 <sup>s</sup> | "          | 51 17,480   | 25                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 14                    | Polaris U.C.m.P.                     | "          | 13 25 30,64   | 13                        | 13 22 42,11   | -0,69  | +0,62  | -11,77  | 32,32              | 13 21 57,95   |                        |                     |                    |   |
| 15                    | " " o.P.                             | "          | 25 30,67  | 12                        | 22 42,14  | "      | "      | "       | 32                 | 21 57,98  |                        |                     |                    |   |
| März 26 Arm Ost.      |                                      |            |   |                           |   |        |        |         |                    |   |                        |                     |                    |   |
| 1                     | H 17 28 <sup>m</sup> 50 <sup>s</sup> | P          | 11 28 53,894  | 24                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 2                     | <i>v</i> Leonis                      | "          | 32 28,858   | 7                         | 11 32 24,963  | -0,012 | +0,032 | + 0,265 | 32,600             | 11 31 52,648  | -2,959                 | 0,000               | - 5                | 11 31 49,684  |
| 3                     | <i>β</i> Virginis                    | "          | 46 8,320  | 11                        | 46 4,418  | -0,013 | +0,032 | + 0,265 | 602                | 45 32,100   | -2,972                 | "                   | - 1                | 45 29,127   |
| 4                     | H 46 52 <sup>m</sup> 40 <sup>s</sup> | "          | 49 44,495   | 24                        | 49 40,591   |        |        |         |                    |   |                        |                     |                    |   |
| 5                     | <i>b</i> Virginis                    | "          | 55 28,760   | 13                        | 55 24,854   | -0,013 | +0,033 | + 0,266 | 603                | 54 52,537   | -2,978                 | "                   | - 9                | 54 49,550   |
| 6                     | Jupiter I <i>a</i>                   | "          | 12 15 26,551  | 11                        | 12 15 22,636  | -0,011 | +0,037 | + 0,266 | 606                | 12 14 50,322  | -2,992                 | "                   | - 2                | 12 14 47,328  |
| 7                     | " <i>c</i>                           | "          | 22 18,084   | 11                        | 22 14,164   | -0,011 | +0,038 | + 0,266 | 606                | 21 41,851   | -2,992                 | "                   | - 39               | 21 38,820   |
| 8                     | " <i>e</i>                           | "          | 24 54,566   | 10                        | 24 50,646   | -0,011 | +0,038 | + 0,266 | 607                | 24 18,331   | -2,996                 | "                   | - 63               | 24 15,272   |
| 9                     | " <i>g</i>                           | "          | 29 54,941   | 11                        | 29 51,019   | -0,011 | +0,039 | + 0,266 | 608                | 29 18,705   | -2,996                 | "                   | - 30               | 29 15,679   |
| 10                    | P. XII 170                           | "          | 39 42,491   | 11                        | 39 38,564   | -0,010 | +0,041 | + 0,266 | 609                | 39 6,252  | -3,002                 | "                   | - 23               | 39 3,227  |
| 11                    | 35 Virginis                          | "          | 43 25,093   | 11                        | 43 21,164   | -0,012 | +0,038 | + 0,267 | 609                | 42 48,848   | -2,975                 | "                   | - 19               | 42 45,854   |
| 12                    | 37 Virginis                          | "          | 47 10,654   | 11                        | 47 6,723  | -0,012 | +0,038 | + 0,267 | 610                | 46 34,406   | -2,974                 | "                   | - 16               | 46 31,416   |
| 13                    | H 17 51 <sup>m</sup> 50 <sup>s</sup> | "          | 51 53,932   | 24                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 14                    | Polaris U.C.o.P.                     | "          | 13 25 37,25   | 18                        | 13 22 37,82   | +0,62  | +1,66  | -12,52  | 32,82              | 13 21 54,76   |                        |                     |                    |   |
| 15                    | " " m.P.                             | "          | 25 38,39  | 15                        | 22 38,96  | "      | "      | "       | 82                 | 21 55,90  |                        |                     |                    |   |
| 16                    | 83 Virginis                          | "          | 13 39 45,261  | 11                        | 39 41,325   | -0,006 | +0,057 | + 0,277 | 32,617             | 39 9,036  | -3,096                 | "                   | - 14               | 13 39 5,926   |
| 17                    | 89 Virginis                          | "          | 45 5,493  | 11                        | 45 1,555  | -0,006 | +0,058 | + 0,280 | 618                | 44 29,269   | -3,119                 | "                   | - 11               | 44 26,139   |
| 18                    | H 17 49 <sup>m</sup> 15 <sup>s</sup> | "          | 49 18,938   | 25                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 19                    | 94 Virginis                          | "          | 14 1 39,199   | 11                        | 14 1 35,258   | -0,008 | +0,055 | + 0,270 | 620                | 14 1 2,955  | -2,971                 | "                   | - 23               | 14 0 59,961   |
| 20                    | Jupiter II <i>a</i>                  | "          | 8 59,926  | 11                        | 8 55,982  | -0,007 | +0,057 | + 0,272 | 621                | 8 23,683  | -2,994                 | "                   | - 28               | 8 20,661  |
| 21                    | " <i>c</i>                           | "          | 14 21,085   | 11                        | 14 17,140   | -0,007 | +0,059 | + 0,274 | 621                | 13 44,845   | -3,005                 | "                   | - 6                | 13 41,834   |
| 22                    | " <i>e</i>                           | "          | 19 3,577  | 11                        | 18 59,631   | -0,007 | +0,059 | + 0,274 | 622                | 18 27,335   | -2,989                 | "                   | - 49               | 18 24,297   |
| 23                    | " <i>g</i>                           | "          | 22 59,163   | 8                         | 22 55,216   | -0,006 | +0,060 | + 0,275 | 622                | 22 22,923   | -2,987                 | "                   | - 26               | 22 19,910   |
| 24                    | M. 592                               | "          | 32 19,734   | 11                        | 32 15,785   | -0,007 | +0,061 | + 0,274 | 624                | 31 43,489   | -2,950                 | "                   | - 19               | 31 40,520   |
| 25                    | 8 Librae                             | "          | 45 48,471   | 11                        | 45 44,518   | -0,005 | +0,065 | + 0,278 | 626                | 45 12,230   | -2,973                 | "                   | - 12               | 45 9,245  |
| 26                    | H 17 49 <sup>m</sup> 35 <sup>s</sup> | "          | 49 43,953   | 23                        |   |        |        |         |                    |   |                        |                     |                    |   |
| März 30 Arm Ost.      |                                      |            |   |                           |   |        |        |         |                    |   |                        |                     |                    |   |
| 1                     | <i>η</i> Cancri                      | P          | 8 27 36,189   | 12                        | 8 27 30,918   | -0,037 | +0,029 | + 0,275 | 32,996             | 8 26 58,179   |                        |                     | - 10               |   |
| 2                     | H 17 32 <sup>m</sup> 20 <sup>s</sup> | "          | 32 25,272   | 25                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 3                     | H 46 39 <sup>m</sup> 0 <sup>s</sup>  | "          | 36 4,254  | 24                        | 35 58,981   |        |        |         |                    |   |                        |                     |                    |   |
| 4                     | <i>δ</i> Cancri                      | "          | 39 40,759   | 19                        | 39 35,485   | -0,036 | +0,031 | + 0,271 | 994                | 39 2,755  |                        |                     | - 2                |   |
| 5                     | <i>ε</i> Hydrae                      | "          | 42 9,301  | 19                        | 42 4,027  | -0,029 | +0,038 | + 0,259 | 33,019             | 41 31,278   |                        |                     | + 2                |   |
| 6                     | <i>ζ</i> Hydrae                      | "          | 50 46,963   | 23                        | 50 41,687   | -0,029 | +0,038 | + 0,259 | 015                | 50 8,943  |                        |                     | + 3                |   |

März 22. Luft zuerst 3, neblig, nachher 4, klar.; (6) bis (12) diffuse Nebelmassen, bisweilen fast unsichtbar; (14) und (15) Luft 2-3. März 26. Luft 2-3.

| Nr.                   | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich             | Anzahl Fäden oder Signate | Durchgangs-zeit Mittelf. nach Hohwü 17             | i I.               | k K.               | c C.                | Corr. von Hohwü 17 | Scheinbare Rect-ascension                          | Red. auf Jahres-anfang | Red. f. Praecession | Heiligk. Gleichung | Rectascension 1900,0                                |
|-----------------------|--------------------------------------|------------|--|---------------------------|--|--------------------|--------------------|---------------------|--------------------|--|------------------------|---------------------|--------------------|---|
| 1900 März 30 (Forts.) |                                      |            |  |                           |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 7                     | Polaris U.C.m.P.                     | P          | 13 <sup>h</sup> 25 <sup>m</sup> 38 <sup>s</sup> 35 | 17                        | 13 <sup>h</sup> 22 <sup>m</sup> 37 <sup>s</sup> 25 | +1 <sup>s</sup> 57 | +2 <sup>s</sup> 28 | -12 <sup>s</sup> 33 | 33 <sup>s</sup> 22 | 13 <sup>h</sup> 21 <sup>m</sup> 55 <sup>s</sup> 55 |                        |                     |                    |   |
| 8                     | " " o.P.                             | "          | 25 37,74   | 15                        | 22 36,64   | "                  | "                  | "                   | 22                 | 21 54,94   |                        |                     |                    |   |
| April 2 Arm Ost.      |                                      |            |  |                           |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 1                     | H 17 28 <sup>m</sup> 15 <sup>s</sup> | P          | 11 28 21,559                                       | 24                        |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 2                     | Leonis                               | "          | 32 31,823  | 10                        | 11 32 25,262                                       | -0,009             | +0,036             | + 0,266             | 32,852             | 11 31 52,703                                       | -2 <sup>s</sup> 938    | 0 <sup>s</sup> 000  | - 5                | 11 <sup>h</sup> 31 <sup>m</sup> 49 <sup>s</sup> 760 |
| 3                     | β Virginis                           | "          | 46 11,220  | 11                        | 46 4,651   | -0,010             | +0,036             | + 0,267             | 852                | 45 32,092  | -2,960                 | "                   | - 1                | 45 29,131   |
| 4                     | β Virginis                           | "          | 55 31,657  | 11                        | 55 25,083  | -0,010             | +0,036             | + 0,268             | 852                | 54 52,525  | -2,972                 | "                   | - 9                | 54 49,544   |
| 5                     | Jupiter I a                          | "          | 12 15 29,507                                       | 11                        | 12 15 22,923                                       | -0,010             | +0,039             | + 0,267             | 852                | 12 14 50,367                                       | -3,001                 | "                   | - 2                | 12 14 47,364  |
| 6                     | " c                                  | "          | 22 21,011  | 11                        | 22 14,423  | -0,010             | +0,038             | + 0,267             | 852                | 21 41,866  | -3,006                 | "                   | - 39               | 21 38,821   |
| 7                     | " c                                  | "          | 24 57,565  | 9                         | 24 50,976  | -0,010             | +0,039             | + 0,267             | 852                | 24 18,420  | -3,011                 | "                   | - 63               | 24 15,346   |
| 8                     | " g                                  | "          | 29 57,829  | 11                        | 29 51,237  | -0,010             | +0,040             | + 0,268             | 853                | 29 18,682  | -3,016                 | "                   | - 30               | 29 15,636   |
| 9                     | P. XII 170                           | "          | 39 45,376  | 6                         | 39 38,779  | -0,010             | +0,041             | + 0,268             | 853                | 39 6,225   | -3,029                 | "                   | - 23               | 39 3,173  |
| 10                    | 35 Virginis                          | "          | 43 27,948  | 11                        | 43 21,349  | -0,011             | +0,037             | + 0,269             | 853                | 42 48,791  | -3,002                 | "                   | - 19               | 42 45,770   |
| 11                    | 37 Virginis                          | "          | 47 13,605  | 11                        | 47 7,004   | -0,012             | +0,038             | + 0,269             | 853                | 46 34,446  | -3,004                 | "                   | - 16               | 46 31,426   |
| 12                    | H 46 54 <sup>m</sup> 10 <sup>s</sup> | "          | 51 14,117  | 24                        | 51 7,513   |                    |                    |                     |                    |  |                        |                     |                    |   |
| 13                    | H 17 54 <sup>m</sup> 20 <sup>s</sup> | "          | 54 26,605  | 24                        |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 14                    | Polaris U.C.o.P.                     | "          | 13 25 39,30  | 16                        | 13 22 36,80  | +0,69              | +1,57              | -12,61              | 33,06              | 13 21 53,39  |                        |                     |                    |   |
| 15                    | " " m.P.                             | "          | 25 40,21   | 13                        | 22 37,71   | "                  | "                  | "                   | 06                 | 21 54,30   |                        |                     |                    |   |
| April 4 Arm Ost.      |                                      |            |  |                           |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 1                     | 33 Sextantis                         | P          | 10 37 1,063  | 23                        | 10 36 54,651                                       | -0,008             | +0,038             | + 0,251             | 33,199             | 10 36 21,715                                       |                        |                     | - 18               |   |
| 2                     | 42 Leonis min.                       | "          | 41 1,589   | 23                        | 40 54,276  | -0,015             | +0,020             | + 0,294             | 137                | 40 21,428  |                        |                     | - 10               |   |
| 3                     | l Leonis                             | "          | 44 43,129  | 23                        | 44 35,814  | -0,011             | +0,032             | + 0,256             | 134                | 44 2,947   |                        |                     | - 10               |   |
| 4                     | 46 Leonis min.                       | "          | 48 26,589  | 21                        | 48 19,273  | -0,016             | +0,017             | + 0,306             | 186                | 47 46,393  |                        |                     | - 1                |   |
| 5                     | H 46 55 <sup>m</sup> 30 <sup>s</sup> | "          | 52 34,071  | 25                        | 52 26,753  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 6                     | H 17 1 <sup>m</sup> 20 <sup>s</sup>  | "          | 13 1 27,360  | 24                        |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 7                     | H 46 8 <sup>m</sup> 20 <sup>s</sup>  | "          | 5 24,076   | 25                        | 13 5 31,438  |                    |                    |                     |                    |  |                        |                     |                    |   |
| April 6 Arm Ost.      |                                      |            |  |                           |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 1                     | Polaris U.C.o.P.                     | P          | 13 25 41,81  | 15                        | 13 22 37,61  | +0,44              | +2,04              | -12,04              | 33,66              | 13 21 54,39  |                        |                     |                    |   |
| 2                     | " " m.P.                             | "          | 25 43,30   | 12                        | 22 39,10   | "                  | "                  | "                   | 66                 | 21 55,88   |                        |                     |                    |   |
| 3                     | H 17 38 <sup>m</sup> 20 <sup>s</sup> | "          | 13 38 28,564                                       | 24                        |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 4                     | H 46 45 <sup>m</sup> 0 <sup>s</sup>  | "          | 42 4,363   | 24                        | 42 12,929  |                    |                    |                     |                    |  |                        |                     |                    |   |
| April 12 Arm Ost.     |                                      |            |  |                           |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 1                     | H 46 25 <sup>m</sup> 0 <sup>s</sup>  | P          | 4 22 5,519   | 24                        | 4 22 17,830  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 2                     | α Tauri                              | "          | 30 58,221  | 23                        | 30 45,906  | -0,003             | +0,069             | + 0,246             | 34,264             | 4 30 11,971  |                        |                     | + 17               |   |
| 3                     | H 17 34 <sup>m</sup> 30 <sup>s</sup> | "          | 34 42,317  | 25                        |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 4                     | ε Aurigae                            | "          | 51 16,395  | 23                        | 51 4,070   | -0,005             | +0,044             | + 0,281             | 233                | 50 30,164  |                        |                     | + 7                |   |
| 5                     | ε Aurigae                            | "          | 55 35,176  | 21                        | 55 22,849  | -0,005             | +0,023             | + 0,326             | 252                | 54 48,945  |                        |                     | + 4                |   |
| April 17 Arm Ost.     |                                      |            |  |                           |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 1                     | Polaris O.C.                         | P          | 1 25 35,20   | 22                        | 1 22 25,46   | -0,79              | -3,52              | +11,14              | 35,03              | 1 21 57,26   |                        |                     |                    |   |
| April 18 Arm Ost.     |                                      |            |  |                           |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 1                     | H 17 50 <sup>m</sup> 40 <sup>s</sup> | P          | 1 50 56,494  | 13                        |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 2                     | H 46 56 <sup>m</sup> 20 <sup>s</sup> | "          | 53 26,748  | 13                        |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 3                     | Leonis                               | B          | 11 32 44,028                                       | 10                        | 11 32 27,287                                       | -0,021             | +0,086             | + 0,242             | 35,026             | 11 31 52,568                                       | -2,874                 | 0,000               | - 11               | 11 31 49,683  |
| 4                     | H 17 38 <sup>m</sup> 0 <sup>s</sup>  | "          | 38 16,745  | 24                        |  |                    |                    |                     |                    |  |                        |                     |                    |   |
| 5                     | β Virginis                           | "          | 46 23,574  | 10                        | 46 6,822   | -0,023             | +0,083             | + 0,243             | 024                | 45 32,101  | -2,915                 | "                   | - 1                | 45,29,185   |

April 2. Luft 3, bisweilen 2-3; (14) und (15) äusserst schlechtes Bild. April 4. (4) Ocular beschlagen. April 6. Luft 3, sehr feucht. April 17. (1) Luft 3-4, durch Lärm gestört. April 18. Luft 2, sehr feucht, zuletzt Nebel im Süden.

| Nr.                    | Stern                                | Beobachter | Durchgangszeit<br>Mittelf. nach<br>Knoblich         | Anzahl Fäden oder<br>Signale | Durchgangszeit<br>Mittelf. nach<br>Hohwü 17         | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                    | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension<br>1900,0                             |
|------------------------|--------------------------------------|------------|---|------------------------------|---|--------|--------|---------|-----------------------------|---|----------------------------------|---------------------|--------------------|---|
| 1900 April 18 (Forts.) |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                     |                    |   |
| 6                      | <i>b</i> Virginis                    | B          | 11 <sup>h</sup> 55 <sup>m</sup> 43 <sup>s</sup> 932 | 8                            | 11 <sup>h</sup> 55 <sup>m</sup> 27 <sup>s</sup> 173 | -0,024 | +0,081 | + 0,244 | 35,023                      | 11 <sup>h</sup> 54 <sup>m</sup> 52 <sup>s</sup> 451 | -2,939                           | 0,000               | - 22               | 11 <sup>h</sup> 54 <sup>m</sup> 49 <sup>s</sup> 490 |
| 7                      | H 46 9 <sup>m</sup> 0 <sup>s</sup>   | "          | 12 6 6,833  | 28                           | 12 5 50,065   |        |        |         |                             |   |                                  |                     |                    |   |
| 8                      | Jupiter I <i>a</i>                   | "          | 15 41,837   | 10                           | 15 25,062   | -0,022 | +0,087 | + 0,243 | 022                         | 12 14 50,348  | -3,001                           | "                   | - 4                | 12 14 47,343  |
| 9                      | " <i>b</i>                           | "          | 21 5,364  | 10                           | 20 48,584   | -0,022 | +0,087 | + 0,243 | 022                         | 20 13,870   | -3,016                           | "                   | -118               | 20 10,736   |
| 10                     | " <i>d</i>                           | "          | 24 56,452   | 11                           | 24 39,669   | -0,021 | +0,089 | + 0,243 | 022                         | 24 4,958  | -3,032                           | "                   | - 69               | 24 1,857  |
| 11                     | " <i>f</i>                           | "          | 28 46,723   | 11                           | 28 29,937   | -0,023 | +0,086 | + 0,244 | 021                         | 27 55,223   | -3,031                           | "                   | - 81               | 27 52,111   |
| 12                     | " <i>h</i>                           | "          | 32 52,347   | 11                           | 32 35,558   | -0,022 | +0,089 | + 0,244 | 021                         | 32 0,848  | -3,050                           | "                   | - 48               | 31 57,750   |
| 13                     | P. XII 170                           | "          | 39 57,827   | 11                           | 39 41,032   | -0,022 | +0,090 | + 0,244 | 020                         | 39 6,324  | -3,068                           | "                   | - 42               | 39 3,214  |
| 14                     | 35 Virginis                          | "          | 43 40,451   | 11                           | 43 23,654   | -0,025 | +0,082 | + 0,245 | 020                         | 42 48,936   | -3,044                           | "                   | - 39               | 42 45,853   |
| 15                     | 37 Virginis                          | "          | 47 26,038   | 11                           | 47 9,237  | -0,025 | +0,083 | + 0,245 | 019                         | 46 34,521   | -3,053                           | "                   | - 34               | 46 31,434   |
| 16                     | H 17 59 <sup>m</sup> 0 <sup>s</sup>  | "          | 59 16,810   | 24                           |   |        |        |         |                             |   |                                  |                     |                    |   |
| 17                     | H 17 35 <sup>m</sup> 20 <sup>s</sup> | P          | 13 35 36,814  | 18                           |   |        |        |         |                             |   |                                  |                     |                    |   |
| 18                     | 83 Virginis                          | "          | 40 0,560  | 10                           | 13 39 43,742  | -0,015 | +0,107 | + 0,254 | 34,786                      | 13 39 9,302   | -3,317                           | "                   | - 14               | 13 39 5,971   |
| 19                     | 89 Virginis                          | "          | 45 20,795   | 11                           | 45 3,972  | -0,014 | +0,109 | + 0,258 | 785                         | 44 29,540   | -3,355                           | "                   | - 11               | 44 26,174   |
| 20                     | 94 Virginis                          | "          | 14 1 54,518   | 11                           | 14 1 37,680   | -0,019 | +0,098 | + 0,249 | 784                         | 14 1 3,224  | -3,233                           | "                   | - 23               | 14 0 59,968   |
| 21                     | Jupiter II <i>a</i>                  | "          | 9 15,234  | 11                           | 8 58,390  | -0,018 | +0,101 | + 0,251 | 783                         | 8 23,941  | -3,277                           | "                   | - 28               | 8 20,636  |
| 22                     | " <i>b</i>                           | "          | 14 20,831   | 11                           | 14 3,982  | -0,018 | +0,102 | + 0,251 | 783                         | 13 29,534   | -3,282                           | "                   | - 45               | 13 26,207   |
| 23                     | " <i>d</i>                           | "          | 18 57,225   | 11                           | 18 40,372   | -0,018 | +0,101 | + 0,251 | 782                         | 18 5,924  | -3,278                           | "                   | - 20               | 18 2,626  |
| 25                     | M. 592                               | "          | 32 35,081   | 11                           | 32 18,215   | -0,018 | +0,102 | + 0,252 | 781                         | 31 43,770   | -3,287                           | "                   | - 19               | 31 40,464   |
| 26                     | 8 Librae                             | "          | 46 3,880  | 11                           | 45 47,002   | -0,016 | +0,108 | + 0,256 | 780                         | 45 12,570   | -3,346                           | "                   | - 12               | 45 9,212  |
| 27                     | H 17 50 <sup>m</sup> 5 <sup>s</sup>  | "          | 50 21,882   | 25                           |   |        |        |         |                             |   |                                  |                     |                    |   |
| 28                     | H 17 19 <sup>m</sup> 35 <sup>s</sup> | "          | 15 19 51,872  | 24                           |   |        |        |         |                             |   |                                  |                     |                    |   |
| 29                     | 32 Librae                            | "          | 23 31,540   | 10                           | 15 23 14,666  | -0,016 | +0,109 | + 0,258 | 777                         | 15 22 40,240  | -3,327                           | "                   | - 16               | 15 22 36,897  |
| 30                     | γ Librae                             | "          | 30 50,421   | 11                           | 30 33,542   | -0,017 | +0,106 | + 0,256 | 776                         | 29 59,111   | -3,278                           | "                   | - 4                | 29 55,829   |
| 31                     | κ Librae                             | "          | 37 5,629  | 11                           | 36 48,746   | -0,014 | +0,113 | + 0,263 | 775                         | 36 14,333   | -3,368                           | "                   | - 11               | 36 10,954   |
| 32                     | Jupiter III <i>η</i>                 | "          | 48 26,302   | 11                           | 48 9,411  | -0,014 | +0,112 | + 0,265 | 774                         | 47 35,000   | -3,358                           | "                   | - 10               | 47 31,632   |
| 33                     | " <i>δ</i>                           | "          | 54 14,001   | 11                           | 53 57,107   | -0,014 | +0,112 | + 0,264 | 774                         | 53 22,695   | -3,340                           | "                   | - 68               | 53 19,287   |
| 34                     | " <i>α</i>                           | "          | 16 0 31,876   | 11                           | 16 0 14,978   | -0,014 | +0,112 | + 0,264 | 773                         | 59 40,567   | -3,322                           | "                   | + 4                | 59 37,249   |
| 35                     | " <i>u</i>                           | "          | 9 47,531  | 11                           | 9 30,626  | -0,015 | +0,110 | + 0,262 | 772                         | 16 8 56,211   | -3,271                           | "                   | - 23               | 16 8 52,917   |
| 37                     | " <i>ξ</i>                           | "          | 17 47,788   | 8                            | 17 30,877   | -0,012 | +0,116 | + 0,270 | 771                         | 16 56,480   | -3,355                           | "                   | -*51               | 16 53,974   |
| 38                     | " <i>ρ</i>                           | "          | 22 8,134  | 11                           | 21 51,221   | -0,016 | +0,110 | + 0,262 | 771                         | 21 16,806   | -3,233                           | "                   | -*12               | 21 13,561   |
| 40                     | " <i>m</i>                           | "          | 29 50,059   | 9                            | 29 33,141   | -0,015 | +0,112 | + 0,266 | 770                         | 28 58,734   | -3,243                           | "                   | -*73               | 28 55,418   |
| 41                     | " <i>ρ</i>                           | "          | 33 14,410   | 7                            | 32 57,490   | -0,012 | +0,116 | + 0,271 | 770                         | 32 23,095   | -3,301                           | "                   | -*54               | 32 19,740   |
| 42                     | " <i>h</i>                           | "          | 36 55,486   | 7                            | 36 38,563   | -0,015 | +0,112 | + 0,266 | 769                         | 36 4,157  | -3,219                           | "                   | -*22               | 36 0,916  |
| 43                     | " <i>d</i>                           | "          | 44 31,698   | 5                            | 44 14,770   | -0,013 | +0,115 | + 0,269 | 769                         | 43 40,372   | -3,237                           | "                   | -*68               | 43 37,067   |
| 44                     | H 17 53 <sup>m</sup> 20 <sup>s</sup> | "          | 53 36,935   | 25                           |   |        |        |         |                             |   |                                  |                     |                    |   |
| April 19 Arm Ost.      |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                     |                    |   |
| 1                      | H 17 29 <sup>m</sup> 15 <sup>s</sup> | P          | 13 29 32,491  | 25                           |   |        |        |         |                             |   |                                  |                     |                    |   |
| 2                      | 83 Virginis                          | "          | 40 1,144  | 11                           | 13 39 43,648  | -0,017 | +0,085 | + 0,248 | 34,642                      | 13 39 9,322   | -3,329                           | 0,000               | - 14               | 13 39 5,979   |
| 3                      | 89 Virginis                          | "          | 45 21,323   | 11                           | 45 3,824  | -0,016 | +0,087 | + 0,251 | 641                         | 44 29,505   | -3,368                           | "                   | - 11               | 44 26,126   |
| 4                      | 94 Virginis                          | "          | 14 1 55,040   | 11                           | 14 1 37,534   | -0,022 | +0,078 | + 0,242 | 640                         | 14 1 3,192  | -3,247                           | "                   | - 23               | 14 0 59,922   |
| 5                      | Jupiter II <i>a</i>                  | "          | 9 15,799  | 11                           | 8 58,289  | -0,020 | +0,081 | + 0,244 | 639                         | 8 23,955  | -3,292                           | "                   | - 28               | 8 20,635  |
| 6                      | " <i>c</i>                           | "          | 14 36,961   | 11                           | 14 19,449   | -0,019 | +0,083 | + 0,245 | 639                         | 13 45,119   | -3,318                           | "                   | - 6                | 13 41,795   |
| 7                      | " <i>e</i>                           | "          | 19 19,478   | 11                           | 19 1,963  | -0,020 | +0,083 | + 0,246 | 638                         | 18 27,634   | -3,313                           | "                   | - 49               | 18 24,272   |
| 8                      | " <i>g</i>                           | "          | 23 14,970   | 10                           | 22 57,454   | -0,020 | +0,084 | + 0,246 | 638                         | 22 23,126   | -3,321                           | "                   | - 26               | 22 19,779   |

April 18. Letzte Sterne durch Nebel geschwächt; angenommene Grössen: (37) 8,7; (38) 5,9; (40) 9,6; (41) 8,8; (42) 6,9; (43) 9,4; weitere Sterne unsichtbar, im Süden ganz bedeckt; (24), (36), (39) nur in Decl. beob. April 19. Luft 2-3.

| Nr.                    | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich    | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17    | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                    | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Precession | Helligk.<br>Gleichung | Rectascension<br>1900,0                             |
|------------------------|--------------------------------------|------------|---|------------------------------|---|--------|--------|---------|-----------------------------|---|----------------------------------|--------------------|-----------------------|---|
| 1900 April 19 (Forts.) |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                    |                       |   |
| 9                      | M. 592                               | P          | 14 <sup>h</sup> 32 <sup>m</sup> 35 <sup>s</sup> 668 | 11                           | 14 <sup>h</sup> 32 <sup>m</sup> 18 <sup>s</sup> 148 | -0,021 | +0,083 | + 0,245 | 34 <sup>s</sup> 637         | 14 <sup>h</sup> 31 <sup>m</sup> 43 <sup>s</sup> 818 | -3 <sup>s</sup> 304              | 0,000              | - 19                  | 14 <sup>h</sup> 31 <sup>m</sup> 40 <sup>s</sup> 495 |
| 10                     | 8 Librae                             | "          | 46 4,488  | 11                           | 45 46,961   | -0,018 | +0,087 | + 0,249 | 634                         | 45 12,645   | -3,365                           | "                  | - 12                  | 45 9,268  |
| 11                     | H 46 52 <sup>m</sup> 50 <sup>s</sup> | "          | 49 57,178   | 25                           | 49 39,649   |        |        |         |                             |   |                                  |                    |                       |   |
| 12                     | H 17 53 <sup>m</sup> 0 <sup>s</sup>  | "          | 53 17,530   | 25                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| April 20 Arm Ost.      |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                    |                       |   |
| 1                      | H 17 28 <sup>m</sup> 20 <sup>s</sup> | P          | 11 28 38,130  | 24                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| 2                      | Leonis                               | "          | 32 44,896   | 11                           | 11 32 26,763  | -0,024 | +0,079 | + 0,229 | 34,487                      | 11 31 52,560  | -2,872                           | 0,000              | - 5                   | 11 31 49,683  |
| 3                      | $\beta$ Virginis                     | "          | 46 24,430   | 11                           | 46 6,283  | -0,025 | +0,076 | + 0,229 | 485                         | 45 32,080   | -2,915                           | "                  | - 1                   | 45 29,164   |
| 4                      | $b$ Virginis                         | "          | 55 44,861   | 11                           | 55 26,707   | -0,026 | +0,074 | + 0,229 | 485                         | 54 52,499   | -2,941                           | "                  | - 9                   | 54 49,549   |
| 5                      | Jupiter I a                          | "          | 12 15 42,727  | 11                           | 12 15 24,555  | -0,024 | +0,079 | + 0,230 | 483                         | 12 14 50,357  | -3,007                           | "                  | - 2                   | 12 14 47,348  |
| 6                      | " b                                  | "          | 21 6,288  | 11                           | 20 48,111   | -0,024 | +0,080 | + 0,230 | 483                         | 20 13,914   | -3,022                           | "                  | - 65                  | 20 10,827   |
| 7                      | " d                                  | "          | 24 57,366   | 11                           | 24 39,186   | -0,024 | +0,081 | + 0,230 | 483                         | 24 4,990  | -3,039                           | "                  | - 39                  | 24 1,912  |
| 8                      | " f                                  | "          | 28 47,521   | 11                           | 28 29,338   | -0,025 | +0,079 | + 0,230 | 482                         | 27 55,140   | -3,039                           | "                  | - 45                  | 27 52,056   |
| 9                      | " h                                  | "          | 32 53,211   | 11                           | 32 35,023   | -0,024 | +0,081 | + 0,230 | 482                         | 32 0,828  | -3,058                           | "                  | - 27                  | 31 57,743   |
| 10                     | H 46 39 <sup>m</sup> 15 <sup>s</sup> | "          | 36 22,501   | 21                           | 36 4,311  |        |        |         |                             |   |                                  |                    |                       |   |
| 11                     | P. XII 170                           | "          | 39 58,709   | 11                           | 39 40,515   | -0,023 | +0,081 | + 0,230 | 482                         | 39 6,321  | -3,078                           | "                  | - 23                  | 39 3,220  |
| 12                     | 35 Virginis                          | "          | 43 41,318   | 11                           | 43 23,121   | -0,027 | +0,075 | + 0,230 | 482                         | 42 48,917   | -3,054                           | "                  | - 19                  | 42 45,844   |
| 13                     | 37 Virginis                          | "          | 47 26,894   | 11                           | 47 8,694  | -0,027 | +0,075 | + 0,230 | 481                         | 46 34,491   | -3,063                           | "                  | - 16                  | 46 31,412   |
| 14                     | H 17 51 <sup>m</sup> 0 <sup>s</sup>  | "          | 51 18,204   | 25                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| 15                     | Polaris U.C.m.P.                     | "          | 13 25 49,44   | 14                           | 13 22 38,74   | +1,45  | +2,98  | -10,81  | 34,69                       | 13 21 57,67   |                                  |                    |                       |   |
| 16                     | " " o.P.                             | "          | 25 48,96  | 15                           | 22 38,26  | "      | "      | "       | 69                          | 21 57,19  |                                  |                    |                       |   |
| 17                     | H 17 35 <sup>m</sup> 25 <sup>s</sup> | "          | 13 35 43,197  | 25                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| 18                     | 83 Virginis                          | "          | 40 1,691  | 11                           | 39 43,489   | -0,016 | +0,097 | + 0,240 | 34,477                      | 39 9,333  | -3,340                           | "                  | - 14                  | 13 39 5,979   |
| 19                     | 89 Virginis                          | "          | 45 21,905   | 11                           | 45 3,697  | -0,014 | +0,099 | + 0,242 | 476                         | 44 29,548   | -3,380                           | "                  | - 11                  | 44 26,157   |
| 20                     | 94 Virginis                          | "          | 14 1 55,645   | 10                           | 14 1 37,417   | -0,020 | +0,089 | + 0,234 | 476                         | 14 1 3,244  | -3,260                           | "                  | - 23                  | 14 0 59,961   |
| 21                     | Jupiter II a                         | "          | 9 16,371  | 11                           | 8 58,134  | -0,018 | +0,092 | + 0,236 | 475                         | 8 23,969  | -3,306                           | "                  | - 28                  | 8 20,635  |
| 22                     | " c                                  | "          | 14 37,523   | 11                           | 14 19,279   | -0,017 | +0,094 | + 0,237 | 475                         | 13 45,118   | -3,333                           | "                  | - 6                   | 13 41,779   |
| 23                     | " e                                  | "          | 19 20,003   | 11                           | 19 1,753  | -0,018 | +0,093 | + 0,238 | 474                         | 18 27,592   | -3,328                           | "                  | - 49                  | 18 24,215   |
| 24                     | " f                                  | "          | 20 13,966   | 7                            | 19 55,715   | -0,018 | +0,092 | + 0,237 | 474                         | 19 21,552   | -3,309                           | "                  | - 22                  | 19 18,221   |
| 25                     | " g                                  | "          | 23 15,623   | 11                           | 22 57,368   | -0,017 | +0,094 | + 0,238 | 474                         | 22 23,209   | -3,337                           | "                  | - 26                  | 22 19,846   |
| 26                     | M. 592                               | "          | 32 36,222   | 11                           | 32 17,956   | -0,018 | +0,093 | + 0,237 | 473                         | 31 43,795   | -3,321                           | "                  | - 19                  | 31 40,455   |
| 27                     | 8 Librae                             | "          | 46 5,048  | 11                           | 45 46,766   | -0,016 | +0,097 | + 0,241 | 472                         | 45 12,616   | -3,384                           | "                  | - 12                  | 45 9,220  |
| 28                     | H 17 49 <sup>m</sup> 20 <sup>s</sup> | "          | 49 38,287   | 24                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| 29                     | Polaris O.C.m.P.                     | "          | 1 25 36,07  | 14                           | 1 22 25,34  | -1,09  | -2,82  | +10,77  | 34,64                       | 1 21 57,56  |                                  |                    |                       |   |
| 30                     | " " o.P.                             | "          | 25 37,46  | 16                           | 22 26,73  | "      | "      | "       | 64                          | 21 58,95  |                                  |                    |                       |   |
| 31                     | H 17 53 <sup>m</sup> 20 <sup>s</sup> | "          | 1 53 38,389   | 13                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| 32                     | H 46 58 <sup>m</sup> 30 <sup>s</sup> | "          | 55 37,647   | 13                           | 55 19,258   |        |        |         |                             |   |                                  |                    |                       |   |
| April 21 Arm Ost.      |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                    |                       |   |
| 1                      | Leonis                               | B          | 11 32 45,661  | 6                            | 11 32 26,802  | -0,037 | +0,150 | + 0,227 | 34,590                      | 11 31 52,552  | -2,870                           | 0,000              | - 11                  | 11 31 49,671  |
| 2                      | $\beta$ Virginis                     | "          | 46 25,180   | 11                           | 46 6,312  | -0,039 | +0,144 | + 0,228 | 590                         | 45 32,055   | -2,914                           | "                  | - 1                   | 45 29,140   |
| 3                      | H 17 52 <sup>m</sup> 0 <sup>s</sup>  | "          | 52 18,872   | 27                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| 4                      | $b$ Virginis                         | "          | 55 45,688   | 11                           | 55 26,814   | -0,040 | +0,140 | + 0,228 | 590                         | 54 52,552   | -2,941                           | "                  | - 22                  | 54 49,589   |
| 5                      | H 46 5 <sup>m</sup> 0 <sup>s</sup>   | "          | 12 2 7,731  | 29                           | 12 1 48,853   |        |        |         |                             |   |                                  |                    |                       |   |
| 6                      | Jupiter I a                          | "          | 15 43,491   | 11                           | 15 24,603   | -0,035 | +0,148 | + 0,229 | 590                         | 12 14 50,355  | -3,009                           | "                  | - 4                   | 12 14 47,342  |
| 7                      | " c                                  | "          | 22 35,047   | 11                           | 22 16,155   | -0,036 | +0,147 | + 0,229 | 590                         | 21 41,905   | -3,026                           | "                  | - 69                  | 21 38,810   |

Apr. 20. Luft 2-3; (29) und (30) Luft 3, durch Lärm gestört. Apr. 21 Luft 2, auch bei grossen Zenitdistanzen.

| Nr.                    | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich              | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17              | i L.   | k K.   | c C.    | Corr. von Hohwü 17  | Scheinbare Rectascension                            | Red. auf Jahresanfang | Red. f. Procession | Helligk. Gleichung | Rectascension 1900,0                                |
|------------------------|--------------------------------------|------------|---|---------------------------|---|--------|--------|---------|---------------------|---|-----------------------|--------------------|--------------------|---|
| 1900 April 21 (Forts.) |                                      |            |   |                           |   |        |        |         |                     |   |                       |                    |                    |   |
| 8                      | Jupiter I <i>c</i>                   | B          | 12 <sup>h</sup> 25 <sup>m</sup> 11 <sup>s</sup> 580 | 10                        | 12 <sup>h</sup> 24 <sup>m</sup> 52 <sup>s</sup> 886 | -0,035 | +0,149 | + 0,229 | 34 <sup>s</sup> 590 | 12 <sup>h</sup> 24 <sup>m</sup> 18 <sup>s</sup> 439 | -3,037                | 0,000              | - 114              | 12 <sup>h</sup> 24 <sup>m</sup> 15 <sup>s</sup> 288 |
| 9                      | " <i>g</i>                           | "          | 30 11,941   | 11                        | 29 53,044   | -0,034 | +0,148 | + 0,230 | 589                 | 29 18,799   | -3,050                | "                  | - 52               | 29 15,697   |
| 10                     | P. XII 170                           | "          | 39 59,452   | 11                        | 39 40,548   | -0,033 | +0,151 | + 0,230 | 589                 | 39 6,307  | -3,082                | "                  | - 42               | 39 3,183  |
| 11                     | 35 Virginis                          | "          | 43 42,087   | 11                        | 43 23,181   | -0,038 | +0,139 | + 0,230 | 590                 | 42 48,922   | -3,059                | "                  | - 39               | 42 45,824   |
| 12                     | 37 Virginis                          | "          | 47 27,716   | 11                        | 47 8,807  | -0,038 | +0,138 | + 0,231 | 590                 | 46 34,548   | -3,068                | "                  | - 34               | 46 31,446   |
| 13                     | H 17 59 <sup>m</sup> 0 <sup>s</sup>  | "          | 59 18,917   | 28                        |   |        |        |         |                     |   |                       |                    |                    |   |
| 14                     | H 17 32 <sup>m</sup> 50 <sup>s</sup> | P          | 13 33 8,922   | 25                        |   |        |        |         |                     |   |                       |                    |                    |   |
| 15                     | 83 Virginis                          | "          | 40 2,249  | 11                        | 13 39 43,323  | -0,022 | +0,176 | + 0,242 | 391                 | 13 39 9,328   | -3,350                | "                  | - 14               | 13 39 5,964   |
| 16                     | 89 Virginis                          | "          | 45 22,459   | 11                        | 45 3,531  | -0,020 | +0,180 | + 0,244 | 391                 | 44 29,544   | -3,391                | "                  | - 11               | 44 26,142   |
| 17                     | 94 Virginis                          | "          | 14 1 56,223   | 11                        | 14 1 37,287   | -0,027 | +0,160 | + 0,236 | 391                 | 14 1 3,265  | -3,272                | "                  | - 23               | 14 0 59,970   |
| 18                     | Jupiter II <i>a</i>                  | "          | 9 16,973  | 11                        | 8 58,033  | -0,024 | +0,166 | + 0,238 | 391                 | 8 24,022  | -3,319                | "                  | - 28               | 8 20,675  |
| 19                     | " <i>b</i>                           | "          | 14 22,563   | 11                        | 14 3,621  | -0,024 | +0,167 | + 0,238 | 391                 | 13 29,611   | -3,326                | "                  | - 45               | 13 26,240   |
| 20                     | " <i>d</i>                           | "          | 18 59,020   | 11                        | 18 40,076   | -0,024 | +0,165 | + 0,239 | 390                 | 18 6,066  | -3,323                | "                  | - 20               | 18 2,723  |
| 22                     | M. 592                               | "          | 32 36,797   | 11                        | 32 17,846   | -0,024 | +0,166 | + 0,239 | 390                 | 31 43,837   | -3,336                | "                  | - 19               | 31 40,482   |
| 23                     | 8 Librac                             | "          | 46 5,580  | 8                         | 45 46,623   | -0,020 | +0,172 | + 0,243 | 390                 | 45 12,628   | -3,401                | "                  | - 12               | 45 9,215  |
| 24                     | H 17 50 <sup>m</sup> 50 <sup>s</sup> | "          | 51 8,960  | 25                        |   |        |        |         |                     |   |                       |                    |                    |   |
| 25                     | H 17 14 <sup>m</sup> 0 <sup>s</sup>  | "          | 15 14 18,958  | 25                        |   |        |        |         |                     |   |                       |                    |                    |   |
| 26                     | 32 Librac                            | "          | 23 33,256   | 11                        | 15 23 14,290  | -0,019 | +0,173 | + 0,244 | 389                 | 15 22 40,299  | -3,394                | "                  | - 16               | 15 22 36,889  |
| 27                     | γ Librac                             | "          | 30 52,201   | 11                        | 30 33,229   | -0,020 | +0,169 | + 0,243 | 389                 | 29 59,232   | -3,346                | "                  | - 4                | 29 55,882   |
| 28                     | z Librac                             | "          | 37 7,381  | 11                        | 36 48,404   | -0,017 | +0,179 | + 0,249 | 389                 | 36 14,426   | -3,440                | "                  | - 11               | 36 10,975   |
| 29                     | Jupiter III ζ                        | "          | 50 9,911  | 11                        | 49 50,924   | -0,017 | +0,177 | + 0,249 | 389                 | 49 16,944   | -3,412                | "                  | - 16               | 49 13,516   |
| 30                     | " γ                                  | "          | 56 10,773   | 11                        | 55 51,781   | -0,015 | +0,181 | + 0,251 | 389                 | 55 17,809   | -3,441                | "                  | - 36               | 55 14,332   |
| 31                     | " z                                  | "          | 16 0 46,123   | 11                        | 16 0 27,130   | -0,015 | +0,182 | + 0,253 | 389                 | 59 53,161   | -3,449                | "                  | - 49               | 59 49,663   |
| 32                     | " x                                  | "          | 2 28,727  | 11                        | 2 9,730   | -0,016 | +0,180 | + 0,251 | 389                 | 16 1 33,756   | -3,421                | "                  | - 8                | 16 1 32,327   |
| 33                     | " w                                  | "          | 7 7,265   | 11                        | 6 48,264  | -0,016 | +0,177 | + 0,249 | 389                 | 6 14,285  | -3,378                | "                  | - 4                | 6 10,903  |
| 34                     | " μ                                  | "          | 9 53,795  | 11                        | 9 34,792  | -0,014 | +0,183 | + 0,254 | 389                 | 9 0,826   | -3,441                | "                  | - 36               | 8 57,349  |
| 35                     | " τ                                  | "          | 15 37,931   | 11                        | 15 18,924   | -0,017 | +0,175 | + 0,248 | 388                 | 14 44,942   | -3,340                | "                  | - 51               | 14 41,551   |
| 36                     | " q                                  | "          | 19 11,367   | 9                         | 18 52,357   | -0,016 | +0,178 | + 0,250 | 388                 | 18 18,381   | -3,361                | "                  | - 8                | 18 15,012   |
| 37                     | " o                                  | "          | 22 14,587   | 11                        | 21 55,574   | -0,014 | +0,182 | + 0,253 | 388                 | 21 21,607   | -3,403                | "                  | - 45               | 21 18,159   |
| 38                     | " n                                  | "          | 27 8,795  | 11                        | 26 49,778   | -0,015 | +0,180 | + 0,252 | 388                 | 26 15,807   | -3,373                | "                  | - 8                | 26 12,426   |
| 39                     | " l                                  | "          | 30 37,574   | 11                        | 30 18,555   | -0,017 | +0,174 | + 0,248 | 388                 | 29 44,572   | -3,297                | "                  | - 56               | 29 41,219   |
| 40                     | " ω                                  | "          | 33 41,467   | 9                         | 33 22,445   | -0,017 | +0,174 | + 0,248 | 388                 | 32 48,462   | -3,292                | "                  | - 33               | 32 45,137   |
| 41                     | " g                                  | "          | 38 1,708  | 11                        | 37 42,683   | -0,015 | +0,180 | + 0,252 | 388                 | 37 8,712  | -3,337                | "                  | - 54               | 37 5,321  |
| 42                     | " d                                  | "          | 44 33,431   | 11                        | 44 14,401   | -0,014 | +0,181 | + 0,253 | 388                 | 43 40,433   | -3,328                | "                  | - 45               | 43 37,060   |
| 43                     | 24 Ophiuchi                          | "          | 51 42,370   | 11                        | 51 23,334   | -0,013 | +0,184 | + 0,255 | 388                 | 50 49,372   | -3,335                | "                  | - 16               | 50 46,021   |
| 44                     | 6 Ophiuchi                           | "          | 17 5 34,621   | 11                        | 17 5 15,574   | -0,018 | +0,167 | + 0,244 | 388                 | 17 4 41,579   | -3,115                | "                  | + 5                | 17 4 38,469   |
| 45                     | 36 Ophiuchi p.a.                     | "          | 10 8,173  | 11                        | 9 49,122  | -0,010 | +0,191 | + 0,264 | 388                 | 9 15,179  | -3,354                | "                  | - 15               | 9 11,810  |
| 46                     | H 17 13 <sup>m</sup> 45 <sup>s</sup> | "          | 14 4,055  | 25                        |   |        |        |         |                     |   |                       |                    |                    |   |
| April 23 Arm Ost.      |                                      |            |   |                           |   |        |        |         |                     |   |                       |                    |                    |   |
| 1                      | H 17 15 <sup>m</sup> 10 <sup>s</sup> | P          | 15 15 30,355  | 26                        |   |        |        |         |                     |   |                       |                    |                    |   |
| 2                      | 32 Librac                            | "          | 23 34,847   | 8                         | 15 23 14,490  | -0,039 | +0,126 | + 0,254 | 34,482              | 15 22 40,349  | -3,426                | 0,000              | - 16               | 15 22 36,907  |
| 3                      | γ Librac                             | "          | 30 53,702   | 11                        | 30 33,343   | -0,042 | +0,124 | + 0,252 | 482                 | 29 59,195   | -3,379                | "                  | - 4                | 29 55,812   |
| 4                      | z Librac                             | "          | 37 8,956  | 10                        | 36 48,595   | -0,034 | +0,133 | + 0,259 | 483                 | 36 14,470   | -3,475                | "                  | - 11               | 36 10,984   |
| 5                      | Jupiter III ζ                        | "          | 50 11,451   | 11                        | 49 51,086   | -0,034 | +0,132 | + 0,258 | 484                 | 49 16,958   | -3,450                | "                  | - 16               | 49 13,492   |
| 6                      | " γ                                  | "          | 56 12,339   | 11                        | 55 51,972   | -0,032 | +0,136 | + 0,261 | 484                 | 55 17,853   | -3,481                | "                  | - 36               | 55 14,336   |

April 21. (21) nur in Decl.; (33) nicht doppelt gesehen; (45) sehr unruhig. April 23. Luft 3, oft Wolken und Nebel; dadurch mehrere Sterne unsichtbar, andere geschwächt.

| Nr.                    | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich   | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17  | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0                            |
|------------------------|--------------------------------------|------------|--|------------------------------|---|--------|--------|---------|-----------------------------|--|----------------------------------|---------------------|-----------------------|--|
| 1900 April 23 (Forts.) |                                      |            |  |                              |   |        |        |         |                             |  |                                  |                     |                       |  |
| 7                      | Jupiter III <i>x</i>                 | P          | 16 <sup>h</sup> 2 <sup>m</sup> 30 <sup>s</sup> 297 | 11                           | 16 <sup>h</sup> 2 <sup>m</sup> 9 <sup>s</sup> 928 | -0,032 | +0,136 | + 0,261 | 34,484                      | 16 <sup>h</sup> 1 <sup>m</sup> 35 <sup>s</sup> 809 | -3,462                           | 0,000               | - 8                   | 16 <sup>h</sup> 1 <sup>m</sup> 32 <sup>s</sup> 339 |
| 8                      | " "                                  | "          | 7 8,791  | 11                           | 6 48,421  | -0,034 | +0,134 | + 0,258 | 485                         | 6 14,294   | -3,419                           | "                   | - 4                   | 6 10,871   |
| 9                      | " "                                  | "          | 19 12,877  | 11                           | 18 52,503   | -0,033 | +0,136 | + 0,259 | 485                         | 18 18,380  | -3,405                           | "                   | - 8                   | 18 14,967  |
| 10                     | " "                                  | "          | 22 11,463  | 11                           | 21 51,088   | -0,035 | +0,134 | + 0,257 | 485                         | 21 16,959  | -3,361                           | "                   | - 9                   | 21 13,589  |
| 11                     | H 46 50 <sup>m</sup> 55 <sup>s</sup> | "          | 48 3,287   | 25                           | 47 42,904   |        |        |         |                             |  |                                  |                     |                       |  |
| 12                     | 24 Ophiuchi                          | "          | 51 43,920  | 11                           | 51 23,536   | -0,027 | +0,145 | + 0,266 | 487                         | 50 49,433  | -3,385                           | "                   | - 16                  | 50 46,032  |
| 13                     | 7 Ophiuchi                           | "          | 17 5 36,189  | 11                           | 17 5 15,801                                       | -0,038 | +0,133 | + 0,254 | 489                         | 17 4 41,661  | -3,165                           | "                   | + 5                   | 17 4 38,501  |
| 14                     | 36 Ophiuchi p.a.                     | "          | 10 9,735   | 7                            | 9 49,346  | -0,021 | +0,151 | + 0,274 | 489                         | 9 15,261   | -3,408                           | "                   | - 15                  | 9 11,838   |
| 15                     | H 17 14 <sup>m</sup> 10 <sup>s</sup> | "          | 14 30,391  | 25                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 16                     | Polaris O.C.o.P.                     | B          | 1 25 38,12   | 11                           | 1 22 25,95  | -2,48  | -3,43  | +10,86  | 34,66                       | 1 21 56,24   |                                  |                     |                       |  |
| 17                     | " " m.P.                             | "          | 25 39,03   | 13                           | 22 26,86  | "      | "      | "       | 66                          | 21 57,15   |                                  |                     |                       |  |
| April 24 Arm Ost.      |                                      |            |  |                              |   |        |        |         |                             |  |                                  |                     |                       |  |
| 1                      | H 17 44 <sup>m</sup> 0 <sup>s</sup>  | B          | 4 44 20,676  | 12                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 2                      | H 46 50 <sup>m</sup> 0 <sup>s</sup>  | "          | 47 8,456   | 15                           | 4 46 47,779                                       |        |        |         |                             |  |                                  |                     |                       |  |
| 3                      | H 17 26 <sup>m</sup> 35 <sup>s</sup> | P          | 11 26 55,870                                       | 25                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 4                      | Leonis                               | "          | 32 47,638  | 10                           | 11 32 26,766                                      | -0,048 | +0,086 | + 0,244 | 34,507                      | 11 31 52,541                                       | -2,848                           | 0,000               | - 5                   | 11 31 49,688                                       |
| 5                      | β Virginis                           | "          | 46 27,163  | 11                           | 46 6,287  | -0,051 | +0,083 | + 0,244 | 509                         | 45 32,054  | -2,896                           | "                   | - 1                   | 45 29,157  |
| 6                      | b Virginis                           | "          | 55 47,593  | 11                           | 55 26,713   | -0,052 | +0,081 | + 0,244 | 510                         | 54 52,476  | -2,925                           | "                   | - 9                   | 54 49,542  |
| 7                      | Jupiter I <i>a</i>                   | "          | 12 15 45,478                                       | 11                           | 12 15 24,590                                      | -0,048 | +0,086 | + 0,244 | 512                         | 12 14 50,360                                       | -2,998                           | "                   | - 2                   | 12 14 47,360                                       |
| 8                      | " "                                  | "          | 21 8,952   | 11                           | 20 48,062   | -0,047 | +0,087 | + 0,244 | 512                         | 20 13,834  | -3,015                           | "                   | - 65                  | 20 10,754  |
| 9                      | " "                                  | "          | 25 0,082   | 11                           | 24 39,190   | -0,046 | +0,088 | + 0,244 | 512                         | 24 4,964   | -3,033                           | "                   | - 39                  | 24 1,892   |
| 10                     | " "                                  | "          | 28 50,271  | 11                           | 28 29,378   | -0,048 | +0,086 | + 0,244 | 513                         | 27 55,147  | -3,034                           | "                   | - 45                  | 27 52,068  |
| 11                     | " "                                  | "          | 32 55,947  | 11                           | 32 35,052   | -0,046 | +0,089 | + 0,244 | 513                         | 32 0,826   | -3,055                           | "                   | - 27                  | 31 57,744  |
| 12                     | P. XII 170                           | "          | 40 1,432   | 11                           | 39 40,534   | -0,045 | +0,089 | + 0,244 | 514                         | 39 6,308   | -3,078                           | "                   | - 23                  | 39 3,207   |
| 13                     | 35 Virginis                          | "          | 43 44,077  | 11                           | 43 23,178   | -0,052 | +0,082 | + 0,244 | 514                         | 42 48,938  | -3,055                           | "                   | - 19                  | 42 45,864  |
| 14                     | 37 Virginis                          | "          | 47 29,669  | 11                           | 47 8,769  | -0,052 | +0,083 | + 0,244 | 515                         | 46 34,529  | -3,066                           | "                   | - 16                  | 46 31,447  |
| 15                     | H 17 51 <sup>m</sup> 45 <sup>s</sup> | "          | 52 5,902   | 25                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 16                     | H 46 58 <sup>m</sup> 0 <sup>s</sup>  | "          | 55 8,534   | 25                           | 54 47,631   |        |        |         |                             |  |                                  |                     |                       |  |
| 17                     | Polaris U.C.o.P.                     | "          | 13 25 51,56  | 13                           | 13 22 39,18                                       | +2,83  | +3,27  | -11,42  | 34,73                       | 13 21 59,13  |                                  |                     |                       |  |
| 18                     | " " m.P.                             | "          | 25 51,98   | 15                           | 22 39,60  | "      | "      | "       | 73                          | 21 59,55   |                                  |                     |                       |  |
| 19                     | H 17 36 <sup>m</sup> 25 <sup>s</sup> | "          | 13 36 45,920                                       | 21                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 20                     | 83 Virginis                          | "          | 40 4,438   | 11                           | 39 43,517   | -0,030 | +0,108 | + 0,254 | 34,520                      | 39 9,329   | -3,363                           | "                   | - 14                  | 13 39 5,952  |
| 21                     | 89 Virginis                          | "          | 45 24,637  | 11                           | 45 3,714  | -0,028 | +0,110 | + 0,257 | 521                         | 44 29,532  | -3,405                           | "                   | - 11                  | 44 26,116  |
| 22                     | 94 Virginis                          | "          | 14 1 58,423  | 11                           | 14 1 37,493                                       | -0,038 | +0,099 | + 0,248 | 522                         | 14 1 3,280   | -3,291                           | "                   | - 23                  | 14 0 59,966  |
| 23                     | Jupiter II <i>a</i>                  | "          | 9 19,151   | 11                           | 8 58,218  | -0,035 | +0,103 | + 0,250 | 523                         | 8 24,013   | -3,341                           | "                   | - 28                  | 8 20,644   |
| 24                     | " "                                  | "          | 14 24,765  | 11                           | 14 3,830  | -0,035 | +0,103 | + 0,250 | 523                         | 13 29,625  | -3,349                           | "                   | - 45                  | 13 26,231  |
| 25                     | " "                                  | "          | 19 1,151   | 11                           | 18 40,214   | -0,035 | +0,103 | + 0,250 | 524                         | 18 6,008   | -3,348                           | "                   | - 20                  | 18 2,640   |
| 27                     | M. 592                               | "          | 32 38,991  | 11                           | 32 18,049   | -0,034 | +0,104 | + 0,250 | 526                         | 31 43,843  | -3,365                           | "                   | - 19                  | 31 40,459  |
| 28                     | 8 Librae                             | "          | 46 7,829   | 10                           | 45 46,883   | -0,030 | +0,110 | + 0,254 | 528                         | 45 12,689  | -3,434                           | "                   | - 12                  | 45 9,243   |
| 29                     | H 17 49 <sup>m</sup> 50 <sup>s</sup> | "          | 50 10,948  | 25                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| April 26 Arm Ost.      |                                      |            |  |                              |   |        |        |         |                             |  |                                  |                     |                       |  |
| 1                      | H 17 36 <sup>m</sup> 0 <sup>s</sup>  | P          | 11 36 21,738                                       | 25                           |   |        |        |         |                             |  |                                  |                     |                       |  |
| 2                      | β Virginis                           | "          | 46 28,210  | 11                           | 11 46 6,469                                       | -0,047 | +0,083 | + 0,251 | 34,709                      | 11 45 32,046                                       |                                  |                     | - 1                   |  |
| 3                      | b Virginis                           | "          | 55 48,640  | 11                           | 55 26,896   | -0,048 | +0,080 | + 0,252 | 706                         | 54 52,465  |                                  |                     | - 9                   |  |
| 4                      | γ Virginis                           | "          | 12 15 46,521                                       | 11                           | 12 15 24,770                                      | -0,044 | +0,085 | + 0,251 | 742                         | 12 14 50,318                                       |                                  |                     | - 2                   |  |

April 23. (16) und (17) Luft 3, bisweilen 4-5; Störung durch Lärm und Prisma beschlagen. April 24. Luft 2-3; (26) nur in Decl. April 26. sofort nach den ersten Sternen ganz bedeckt.

| Nr.                    | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich              | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17              | i I.   | k K.   | c C.    | Corr. von Hohwü 17 | Scheinbare Rect-ascension                           | Red. auf Jahres-anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension 1900,0                                |
|------------------------|--------------------------------------|------------|---|---------------------------|---|--------|--------|---------|--------------------|---|------------------------|---------------------|--------------------|---|
| 1900 April 28 Arm Ost. |                                      |            |   |                           |   |        |        |         |                    |   |                        |                     |                    |   |
|                        |                                      |            |   |                           |   |        |        |         | —0 <sup>m</sup>    |   |                        |                     |                    |   |
| 1                      | H 17 26 <sup>m</sup> 5 <sup>s</sup>  | P          | 11 <sup>h</sup> 26 <sup>m</sup> 27 <sup>s</sup> 657 | 25                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 2                      | υ Leonis                             | "          | 32 49,806   | 11                        | 11 <sup>h</sup> 32 <sup>m</sup> 27 <sup>s</sup> 150 | —0,054 | +0,081 | + 0,247 | 34,911             | 11 <sup>h</sup> 31 <sup>m</sup> 52 <sup>s</sup> 513 | —2,803                 | 0,000               | — 5                | 11 <sup>h</sup> 31 <sup>m</sup> 49 <sup>s</sup> 705 |
| 3                      | β Virginis                           | "          | 46 29,319   | 11                        | 46 6,664  | —0,056 | +0,079 | + 0,248 | 913                | 45 32,022   | —2,854                 | "                   | — 1                | 45 29,167   |
| 4                      | b Virginis .                         | "          | 55 49,731   | 11                        | 55 27,077   | —0,058 | +0,078 | + 0,249 | 913                | 54 52,433   | —2,886                 | "                   | — 9                | 54 49,538   |
| 5                      | Jupiter I a                          | "          | 12 15 47,601  | 11                        | 12 15 24,949  | —0,052 | +0,085 | + 0,250 | 915                | 12 14 50,317  | —2,966                 | "                   | — 2                | 12 14 47,349  |
| 6                      | " c                                  | "          | 22 39,106   | 11                        | 22 16,454   | —0,053 | +0,084 | + 0,250 | 915                | 21 41,820   | —2,987                 | "                   | — 39               | 21 38,794   |
| 7                      | " e                                  | "          | 25 15,601   | 7                         | 24 52,950   | —0,051 | +0,085 | + 0,250 | 915                | 24 18,319   | —3,000                 | "                   | — 63               | 24 15,256   |
| 8                      | " g                                  | "          | 30 15,963   | 11                        | 29 53,312   | —0,051 | +0,086 | + 0,251 | 916                | 29 18,682   | —3,016                 | "                   | — 30               | 29 15,636   |
| 9                      | P. XII 170                           | "          | 40 3,574  | 11                        | 39 40,924   | —0,048 | +0,089 | + 0,252 | 917                | 39 6,300  | —3,055                 | "                   | — 23               | 39 3,222  |
| 10                     | 35 Virginis                          | "          | 43 46,138   | 11                        | 43 23,488   | —0,056 | +0,081 | + 0,253 | 917                | 42 48,849   | —3,032                 | "                   | — 19               | 42 45,798   |
| 11                     | 37 Virginis                          | "          | 47 31,773   | 11                        | 47 9,123  | —0,054 | +0,083 | + 0,253 | 917                | 46 34,488   | —3,044                 | "                   | — 16               | 46 31,428   |
| 12                     | H 17 50 <sup>m</sup> 50 <sup>s</sup> | "          | 51 12,650   | 25                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 13                     | H 46 57 <sup>m</sup> 10 <sup>s</sup> | "          | 54 18,500   | 24                        | 53 55,850   |        |        |         |                    |   |                        |                     |                    |   |
| 14                     | Polaris U.C.m.P.                     | "          | 13 25 51,96   | 15                        | 13 22 37,80   | +2,91  | +3,33  | —11,88  | 35,13              | 13 21 57,03   |                        |                     |                    |   |
| 15                     | " " o.P.                             | "          | 25 52,79  | 14                        | 22 38,63  | "      | "      | "       | 13                 | 21 57,86  |                        |                     |                    |   |
| Mai 1 Arm Ost.         |                                      |            |   |                           |   |        |        |         |                    |   |                        |                     |                    |   |
| 1                      | 83 Virginis                          | B          | 13 40 9,027   | 11                        | 13 39 44,617  | —0,027 | +0,143 | + 0,252 | 35,594             | 13 39 9,391   | —3,387                 | 0,000               | — 32               | 13 39 5,972   |
| 2                      | 89 Virginis                          | "          | 45 29,279   | 11                        | 45 4,866  | —0,025 | +0,147 | + 0,255 | 595                | 44 29,648   | —3,434                 | "                   | — 24               | 44 26,190   |
| 3                      | 94 Virginis                          | "          | 14 2 3,000  | 11                        | 14 1 38,578   | —0,034 | +0,132 | + 0,246 | 595                | 14 1 3,327  | —3,328                 | "                   | — 42               | 14 0 59,957   |
| 4                      | H 17 4 <sup>m</sup> 0 <sup>s</sup>   | "          | 4 24,423  | 24                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 5                      | Jupiter II a                         | "          | 9 23,787  | 11                        | 8 59,361  | —0,031 | +0,137 | + 0,248 | 596                | 8 24,119  | —3,384                 | "                   | — 50               | 8 20,685  |
| 6                      | " c                                  | "          | 14 44,941   | 11                        | 14 20,512   | —0,030 | +0,140 | + 0,249 | 596                | 13 45,275   | —3,418                 | "                   | — 14               | 13 41,843   |
| 7                      | " f                                  | "          | 20 21,380   | 11                        | 19 56,948   | —0,031 | +0,136 | + 0,249 | 596                | 19 21,706   | —3,399                 | "                   | — 41               | 19 18,266   |
| 8                      | " g                                  | "          | 23 23,041   | 11                        | 22 58,607   | —0,030 | +0,140 | + 0,250 | 596                | 22 23,371   | —3,431                 | "                   | — 46               | 22 19,894   |
| 9                      | H 46 29 <sup>m</sup> 0 <sup>s</sup>  | "          | 29 59,960   | 24                        | 29 35,522   |        |        |         |                    |   |                        |                     |                    |   |
| 10                     | M. 592                               | "          | 32 43,597   | 11                        | 32 19,158   | —0,031 | +0,138 | + 0,249 | 597                | 31 43,917   | —3,425                 | "                   | — 39               | 31 40,453   |
| 11                     | 8 Librae                             | "          | 46 12,420   | 11                        | 45 47,973   | —0,027 | +0,145 | + 0,253 | 597                | 45 12,747   | —3,506                 | "                   | — 27               | 45 9,214  |
| 12                     | H 17 55 <sup>m</sup> 0 <sup>s</sup>  | "          | 55 24,452   | 21                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 13                     | H 17 18 <sup>m</sup> 0 <sup>s</sup>  | P          | 15 18 24,471  | 24                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 14                     | 32 Librae                            | "          | 23 39,885   | 9                         | 15 23 15,412  | —0,026 | +0,147 | + 0,255 | 362                | 15 22 40,426  | —3,537                 | "                   | — 16               | 15 22 36,873  |
| 15                     | γ Librae                             | "          | 30 58,775   | 11                        | 30 34,299   | —0,028 | +0,144 | + 0,253 | 362                | 29 59,306   | —3,494                 | "                   | — 4                | 29 55,808   |
| 16                     | κ Librae                             | "          | 37 14,034   | 11                        | 36 49,555   | —0,023 | +0,153 | + 0,260 | 363                | 36 14,582   | —3,600                 | "                   | — 11               | 36 10,971   |
| 17                     | Jupiter III ε                        | "          | 52 23,952   | 11                        | 51 59,466   | —0,021 | +0,156 | + 0,263 | 363                | 51 24,501   | —3,635                 | "                   | — 33               | 51 20,833   |
| 18                     | " β                                  | "          | 58 21,355   | 11                        | 57 56,867   | —0,023 | +0,153 | + 0,261 | 364                | 57 21,894   | —3,587                 | "                   | — 34               | 57 18,273   |
| 19                     | " ij                                 | "          | 16 2 0,429  | 11                        | 16 1 35,939   | —0,022 | +0,156 | + 0,262 | 364                | 16 1 0,971  | —3,603                 | "                   | — 6                | 16 0 57,362   |
| 20                     | " γ                                  | "          | 8 50,746  | 11                        | 8 26,254  | —0,021 | +0,157 | + 0,264 | 364                | 7 51,290  | —3,612                 | "                   | — 30               | 7 47,648  |
| 21                     | " δ                                  | "          | 12 11,444   | 11                        | 11 46,950   | —0,023 | +0,155 | + 0,261 | 364                | 11 11,979   | —3,575                 | "                   | — 27               | 11 8,377  |
| 22                     | " υ                                  | "          | 15 50,976   | 11                        | 15 26,480   | —0,021 | +0,158 | + 0,265 | 364                | 14 51,518   | —3,613                 | "                   | — 36               | 14 47,869   |
| 23                     | " λ                                  | "          | 20 38,964   | 6                         | 20 14,466   | —0,023 | +0,154 | + 0,261 | 364                | 19 39,494   | —3,554                 | "                   | — 65               | 19 35,875   |
| 24                     | " π                                  | "          | 24 27,551   | 11                        | 24 3,051  | —0,021 | +0,157 | + 0,264 | 364                | 23 28,087   | —3,590                 | "                   | — 49               | 23 24,448   |
| 25                     | " ζ                                  | "          | 27 35,323   | 6                         | 27 10,822   | —0,022 | +0,156 | + 0,263 | 365                | 26 35,854   | —3,563                 | "                   | — 65               | 26 32,226   |
| 26                     | " η                                  | "          | 35 43,789   | 11                        | 35 19,285   | —0,022 | +0,155 | + 0,262 | 365                | 34 44,315   | —3,538                 | "                   | — 27               | 34 40,750   |
| 27                     | " σ                                  | "          | 40 10,810   | 11                        | 39 46,304   | —0,019 | +0,162 | + 0,267 | 365                | 39 11,349   | —3,600                 | "                   | — 33               | 39 7,716  |
| 28                     | 24 Ophiuchi                          | "          | 51 49,130   | 11                        | 51 24,619   | —0,019 | +0,162 | + 0,268 | 366                | 50 49,664   | —3,568                 | "                   | — 16               | 50 46,080   |

April 28. Luft 2—3; (14) und (15) Luft 2, bisweilen 3. Mai 1. Luft 3; (23), (24) und (25) kaum sichtbar. Am Nachmittage war der Gang der Uhr Hohwü 46 besser regulirt.

| Nr.                 | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich   | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17   | i I.   | k K.   | c C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension<br>1900,0                            |
|---------------------|--------------------------------------|------------|--|------------------------------|--|--------|--------|--------|-----------------------------|--|----------------------------------|---------------------|--------------------|--|
| 1900 Mai 1 (Forts.) |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                    |  |
| 29                  | $\gamma$ Ophiuchi                    | P          | 17 <sup>h</sup> 5 <sup>m</sup> 41 <sup>s</sup> 361 | 11                           | 17 <sup>h</sup> 5 <sup>m</sup> 16 <sup>s</sup> 844 | -0,027 | +0,148 | +0,256 | 35,366                      | 17 <sup>h</sup> 4 <sup>m</sup> 41 <sup>s</sup> 855 | -3,347                           | 0,000               | + 5                | 17 <sup>h</sup> 4 <sup>m</sup> 38 <sup>s</sup> 513 |
| 30                  | 36 Ophiuchip.a.                      | "          | 10 14,880  | 11                           | 9 50,361   | -0,015 | +0,169 | +0,276 | 366                         | 9 15,425   | -3,608                           | "                   | - 15               | 9 11,802   |
| 31                  | H 17 13 <sup>m</sup> 50 <sup>s</sup> | "          | 14 14,522  | 24                           |  |        |        |        |                             |  |                                  |                     |                    |  |
| Mai 4 Arm Ost.      |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                    |  |
| 1                   | H 17 31 <sup>m</sup> 0 <sup>s</sup>  | B          | 6 31 26,319  | 13                           |  |        |        |        |                             |  |                                  |                     |                    |  |
| 2                   | H 46 33 <sup>m</sup> 0 <sup>s</sup>  | "          | 34 2,359   | 13                           | 6 33 36,038  |        |        |        |                             |  |                                  |                     |                    |  |
| 3                   | Polaris U.C.o.P.                     | P          | 13 22 5,06   | 17                           | 13 22 41,17  | +2,54  | +4,86  | -10,94 | 35,94                       | 13 22 1,69   |                                  |                     |                    |  |
| 4                   | " " m.P.                             | "          | 22 5,46  | 14                           | 22 41,57   | "      | "      | "      | 94                          | 22 2,09  |                                  |                     |                    |  |
| 5                   | H 17 34 <sup>m</sup> 40 <sup>s</sup> | "          | 13 35 6,556  | 24                           |  |        |        |        |                             |  |                                  |                     |                    |  |
| 6                   | 83 Virginis                          | "          | 40 11,261  | 11                           | 39 44,703  | -0,027 | +0,160 | +0,243 | 35,729                      | 39 9,350   | -3,409                           | 0,000               | - 14               | 13 39 5,927  |
| 7                   | 89 Virginis                          | "          | 45 31,529  | 11                           | 45 4,969   | -0,026 | +0,164 | +0,245 | 730                         | 44 29,622  | -3,458                           | "                   | - 11               | 44 26,153  |
| 8                   | H 46 54 <sup>m</sup> 50 <sup>s</sup> | "          | 55 52,677  | 24                           | 55 26,113  |        |        |        |                             |  |                                  |                     |                    |  |
| 9                   | 94 Virginis                          | "          | 14 2 5,255   | 11                           | 14 1 38,688  | -0,037 | +0,147 | +0,237 | 730                         | 14 1 3,305   | -3,355                           | "                   | - 23               | 14 0 59,927  |
| 10                  | $\alpha$ Virginis                    | "          | 8 38,913   | 23                           | 8 12,345   | -0,036 | +0,150 | +0,238 | 728                         | 7 36,965   |                                  |                     | - 4                |  |
| 11                  | $\epsilon$ Virginis                  | "          | 11 51,425  | 11                           | 11 24,855  | -0,040 | +0,143 | +0,236 | 728                         | 10 49,462  |                                  |                     | - 4                |  |
| 12                  | Jupiter II <i>b</i>                  | "          | 14 31,764  | 9                            | 14 5,193   | -0,034 | +0,154 | +0,240 | 731                         | 13 29,822  | -3,428                           | "                   | - 45               | 13 26,349  |
| 13                  | " <i>d</i>                           | "          | 19 8,098   | 11                           | 18 41,525  | -0,035 | +0,153 | +0,240 | 731                         | 18 6,152   | -3,430                           | "                   | - 20               | 18 2,702   |
| 14                  | " <i>f</i>                           | "          | 20 23,687  | 11                           | 19 57,114  | -0,035 | +0,153 | +0,240 | 731                         | 19 21,741  | -3,432                           | "                   | - 22               | 19 18,287  |
| 15                  | " <i>g</i>                           | "          | 23 25,369  | 11                           | 22 58,795  | -0,033 | +0,156 | +0,241 | 731                         | 22 23,428  | -3,466                           | "                   | - 26               | 22 19,936  |
| 16                  | M. 592                               | "          | 32 45,931  | 11                           | 32 19,353  | -0,034 | +0,155 | +0,240 | 732                         | 31 43,982  | -3,462                           | "                   | - 19               | 31 40,501  |
| 17                  | 8 Librac                             | "          | 46 14,783  | 11                           | 45 48,200  | -0,031 | +0,163 | +0,244 | 733                         | 45 12,843  | -3,548                           | "                   | - 12               | 45 9,283   |
| 18                  | H 17 52 <sup>m</sup> 40 <sup>s</sup> | "          | 53 6,586   | 25                           |  |        |        |        |                             |  |                                  |                     |                    |  |
| Mai 5 Arm Ost.      |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                    |  |
| 1                   | Polaris U.C.m.P.                     | B          | 13 22 2,89   | 12                           | 13 22 39,09  | +3,16  | +5,45  | -10,43 | 36,08                       | 13 22 1,19   |                                  |                     |                    |  |
| 2                   | " " o.P.                             | "          | 22 3,20  | 8                            | 22 39,40   | "      | "      | "      | 08                          | 22 1,50  |                                  |                     |                    |  |
| Mai 6 Arm Ost.      |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                    |  |
| 1                   | Polaris U.C.m.P.                     | P          | 13 22 4,97   | 16                           | 13 22 41,27  | +3,27  | +5,39  | -10,33 | 36,28                       | 13 22 3,32   |                                  |                     |                    |  |
| 2                   | " " o.P.                             | "          | 22 4,83  | 13                           | 22 41,13   | "      | "      | "      | 28                          | 22 3,18  |                                  |                     |                    |  |
| Mai 10 Arm Ost.     |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                    |  |
| 1                   | $\gamma$ Virginis                    | P          | 12 15 58,610                                       | 23                           | 12 15 27,048                                       | -0,060 | +0,158 | +0,245 | 37,155                      | 12 14 50,234                                       |                                  |                     | - 2                |  |
| 2                   | H 46 19 <sup>m</sup> 5 <sup>s</sup>  | "          | 20 13,357  | 28                           | 19 41,793  |        |        |        |                             |  |                                  |                     |                    |  |
| 3                   | $\delta$ Corvi                       | "          | 25 52,678  | 23                           | 25 21,110  | -0,038 | +0,194 | +0,255 | 152                         | 24 44,371  |                                  |                     | + 2                |  |
| 4                   | 8 Canum ven.                         | "          | 30 11,159  | 22                           | 29 39,589  | -0,131 | +0,048 | +0,330 | 112                         | 29 2,721   |                                  |                     | - 3                |  |
| 5                   | H 17 33 <sup>m</sup> 45 <sup>s</sup> | "          | 34 16,570  | 24                           |  |        |        |        |                             |  |                                  |                     |                    |  |
| 6                   | Polaris U.C.m.P.                     | "          | 13 22 10,53  | 13                           | 13 22 47,33  | +3,63  | +6,31  | -11,50 | 37,34                       | 13 22 8,43   |                                  |                     |                    |  |
| 7                   | " " o.P.                             | "          | 22 10,00   | 11                           | 22 46,80   | "      | "      | "      | 34                          | 22 7,90  |                                  |                     |                    |  |
| 8                   | H 17 35 <sup>m</sup> 0 <sup>s</sup>  | "          | 13 35 31,619                                       | 25                           |  |        |        |        |                             |  |                                  |                     |                    |  |
| 9                   | 83 Virginis                          | "          | 40 17,707  | 11                           | 39 46,096  | -0,039 | +0,210 | +0,255 | 37,133                      | 39 9,389   | -3,395                           | 0,000               | - 14               | 13 39 5,980  |
| 10                  | 89 Virginis                          | "          | 45 37,889  | 5                            | 45 6,275   | -0,036 | +0,216 | +0,258 | 133                         | 44 29,580  | -3,447                           | "                   | - 11               | 44 26,122  |
| 11                  | 94 Virginis                          | "          | 14 2 11,680  | 11                           | 14 1 40,056  | -0,050 | +0,196 | +0,249 | 134                         | 14 1 3,317   | -3,354                           | "                   | - 23               | 14 0 59,940  |
| 12                  | Jupiter II <i>b</i>                  | "          | 14 38,089  | 11                           | 14 6,458   | -0,046 | +0,207 | +0,251 | 135                         | 13 29,735  | -3,434                           | "                   | - 45               | 13 26,256  |
| 13                  | " <i>d</i>                           | "          | 19 14,481  | 11                           | 18 42,847  | -0,046 | +0,207 | +0,252 | 136                         | 18 6,124   | -3,439                           | "                   | - 20               | 18 2,665   |
| 14                  | " <i>f</i>                           | "          | 20 30,082  | 12                           | 19 58,448  | -0,046 | +0,207 | +0,252 | 136                         | 19 21,725  | -3,442                           | "                   | - 22               | 19 18,261  |
| 15                  | " <i>g</i>                           | "          | 23 31,738  | 10                           | 23 0,102   | -0,044 | +0,212 | +0,253 | 136                         | 22 23,387  | -3,477                           | "                   | - 26               | 22 19,884  |
| 16                  | M. 592                               | "          | 32 52,314  | 11                           | 32 20,672  | -0,045 | +0,210 | +0,252 | 137                         | 31 43,952  | -3,479                           | "                   | - 19               | 31 40,454  |

Mai 4. (3) und (4) Luft 2-3; andre Sterne wie grosse Nebel, Luft 4; (12) meistens fast unsichtbar. Mai 5. (1) und (2) Luft 3-4; geschwächt durch Nebel und Beob. durch Störung beeinträchtigt. Mai 6. (1) und (2) Luft 3, durch Wolken, mittl. Gr. 4. Mai 10 P. Luft 3.

| Nr.                  | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich              | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17              | i I.                | k K.                | c C.                 | Corr. von Hohwü 17  | Scheinbare Rect-ascension                           | Red. auf Jahres-anfang | Red. f. ProceSSION | Helligk. Gleichung | Rectascension 1900,0                               |
|----------------------|--------------------------------------|------------|---|---------------------------|---|---------------------|---------------------|----------------------|---------------------|---|------------------------|--------------------|--------------------|--|
| 1900 Mai 10 (Forts.) |                                      |            |   |                           |   |                     |                     |                      |                     |   |                        |                    |                    |  |
| 17                   | 8 Librae                             | P          | 14 <sup>h</sup> 46 <sup>m</sup> 21 <sup>s</sup> 160 | 10                        | 14 <sup>h</sup> 45 <sup>m</sup> 49 <sup>s</sup> 510 | -0 <sup>s</sup> 040 | +0 <sup>s</sup> 223 | + 0 <sup>s</sup> 256 | 37 <sup>s</sup> 139 | 14 <sup>h</sup> 45 <sup>m</sup> 12 <sup>s</sup> 810 | -3 <sup>s</sup> 575    | 0 <sup>s</sup> 000 | - 12               | 14 <sup>h</sup> 45 <sup>m</sup> 9 <sup>s</sup> 224 |
| 18                   | H 17 49 <sup>m</sup> 10 <sup>s</sup> | »          | 49 41,645   | 24                        |   |                     |                     |                      |                     |   |                        |                    |                    |  |
| 19                   | H 17 18 <sup>m</sup> 0 <sup>s</sup>  | B          | 15 18 31,638  | 25                        |   |                     |                     |                      |                     |   |                        |                    |                    |  |
| 20                   | 32 Librae                            | »          | 23 49,129   | 9                         | 15 23 17,488  | -0,039              | +0,234              | + 0,257              | 389                 | 15 22 40,551  | -3,638                 | »                  | - 34               | 15 22 36,879                                       |
| 21                   | γ Librae                             | »          | 31 7,933  | 11                        | 30 36,289   | -0,042              | +0,229              | + 0,255              | 390                 | 29 59,341   | -3,600                 | »                  | - 8                | 29 55,733  |
| 22                   | z Librae                             | »          | 37 23,322   | 10                        | 36 51,675   | -0,034              | +0,244              | + 0,262              | 391                 | 36 14,756   | -3,715                 | »                  | - 24               | 36 11,017  |
| 23                   | Jupiter III η                        | »          | 48 43,958   | 11                        | 48 12,307   | -0,034              | +0,249              | + 0,264              | 392                 | 47 35,394   | -3,730                 | »                  | - 23               | 47 31,641  |
| 24                   | » z                                  | »          | 16 0 49,521   | 10                        | 16 0 17,864   | -0,034              | +0,250              | + 0,263              | 393                 | 59 40,950   | -3,719                 | »                  | + 8                | 59 37,239  |
| 25                   | » x                                  | »          | 2 44,624  | 14                        | 2 12,966  | -0,033              | +0,253              | + 0,265              | 393                 | 16 1 36,058   | -3,746                 | »                  | - 19               | 16 1 32,293  |
| 26                   | » u                                  | »          | 10 5,171  | 11                        | 9 33,510  | -0,036              | +0,248              | + 0,261              | 394                 | 8 56,589  | -3,684                 | »                  | - 42               | 8 52,863   |
| 27                   | » s                                  | »          | 14 28,609   | 11                        | 13 56,946   | -0,034              | +0,253              | + 0,264              | 394                 | 13 20,035   | -3,722                 | »                  | - 41               | 13 16,272  |
| 28                   | » ξ                                  | »          | 18 5,464  | 11                        | 17 33,799   | -0,029              | +0,264              | + 0,269              | 395                 | 16 56,908   | -3,799                 | »                  | - 77               | 16 53,032  |
| 29                   | » β                                  | »          | 22 25,909   | 7                         | 21 54,242   | -0,036              | +0,250              | + 0,261              | 395                 | 21 17,322   | -3,671                 | »                  | - 22               | 21 13,629  |
| 30                   | H 46 27 <sup>m</sup> 0 <sup>s</sup>  | »          | 28 8,510  | 24                        | 27 36,841   |                     |                     |                      |                     |   |                        |                    |                    |  |
| 31                   | Jupiter III ρ                        | »          | 33 32,143   | 11                        | 33 0,471  | -0,029              | +0,266              | + 0,269              | 396                 | 32 23,581   | -3,775                 | »                  | - 81               | 32 19,725  |
| 32                   | » h                                  | »          | 37 13,160   | 8                         | 36 41,486   | -0,034              | +0,258              | + 0,263              | 397                 | 36 4,576  | -3,690                 | »                  | - 32               | 36 0,834   |
| 33                   | 24 Ophiuchi                          | »          | 51 58,414   | 11                        | 51 26,734   | -0,029              | +0,272              | + 0,270              | 397                 | 50 49,850   | -3,752                 | »                  | - 34               | 50 46,064  |
| 34                   | η Ophiuchi                           | »          | 17 5 50,706   | 11                        | 17 5 19,019   | -0,041              | +0,252              | + 0,258              | 399                 | 17 4 42,089   | -3,533                 | »                  | + 12               | 17 4 38,568  |
| 35                   | H 17 16 <sup>m</sup> 0 <sup>s</sup>  | »          | 16 31,692   | 24                        |   |                     |                     |                      |                     |   |                        |                    |                    |  |
| Mai 14 Arm Ost.      |                                      |            |   |                           |   |                     |                     |                      |                     |   |                        |                    |                    |  |
| 1                    | τ Virginis                           | B          | 13 57 47,660  | 23                        | 13 57 14,161  | -0,078              | +0,130              | + 0,243              | 37,868              | 13 56 36,580  |                        |                    | - 8                |  |
| 2                    | H 17 1 <sup>m</sup> 0 <sup>s</sup>   | »          | 14 1 33,501   | 25                        |   |                     |                     |                      |                     |   |                        |                    |                    |  |
| 3                    | z Virginis                           | »          | 8 48,035  | 23                        | 14 8 14,532   | -0,058              | +0,151              | + 0,246              | 884                 | 14 7 36,977   |                        |                    | - 10               |  |
| 4                    | ε Virginis                           | »          | 12 0,578  | 23                        | 11 27,073   | -0,065              | +0,143              | + 0,244              | 912                 | 10 49,475   |                        |                    | - 8                |  |
| 5                    | H 46 14 <sup>m</sup> 0 <sup>s</sup>  | »          | 15 10,941   | 26                        | 14 37,435   |                     |                     |                      |                     |   |                        |                    |                    |  |
| 6                    | H 17 12 <sup>m</sup> 0 <sup>s</sup>  | P          | 15 12 33,544  | 25                        |   |                     |                     |                      |                     |   |                        |                    |                    |  |
| 7                    | 32 Librae                            | »          | 23 51,420   | 11                        | 15 23 17,870  | -0,046              | +0,167              | + 0,254              | 656                 | 15 22 40,589  | -3,674                 | 0,000              | - 16               | 15 22 36,899                                       |
| 8                    | γ Librae                             | »          | 31 10,322   | 11                        | 30 36,768   | -0,050              | +0,164              | + 0,252              | 657                 | 29 59,477   | -3,638                 | »                  | - 4                | 29 55,835  |
| 9                    | z Librae                             | »          | 37 25,551   | 11                        | 36 51,994   | -0,041              | +0,174              | + 0,259              | 658                 | 36 14,728   | -3,757                 | »                  | - 11               | 36 10,960  |
| 10                   | Jupiter III ζ                        | »          | 50 28,130   | 11                        | 49 54,568   | -0,042              | +0,174              | + 0,259              | 659                 | 49 17,300   | -3,738                 | »                  | - 16               | 49 13,526  |
| 11                   | » γ                                  | »          | 56 29,072   | 11                        | 55 55,507   | -0,038              | +0,178              | + 0,262              | 660                 | 55 18,249   | -3,806                 | »                  | - 36               | 55 14,407  |
| 12                   | » z                                  | »          | 16 1 4,431  | 11                        | 16 0 30,864   | -0,037              | +0,179              | + 0,264              | 660                 | 59 53,610   | -3,825                 | »                  | - 49               | 59 49,736  |
| 13                   | » x                                  | »          | 2 46,949  | 12                        | 2 13,381  | -0,039              | +0,177              | + 0,262              | 660                 | 16 1 36,121   | -3,799                 | »                  | - 8                | 16 1 32,314  |
| 14                   | » w                                  | »          | 7 25,492  | 11                        | 6 51,921  | -0,042              | +0,176              | + 0,259              | 661                 | 6 14,653  | -3,762                 | »                  | - 4                | 6 10,887   |
| 15                   | » μ                                  | »          | 10 12,038   | 10                        | 9 38,466  | -0,036              | +0,182              | + 0,265              | 661                 | 9 1,216   | -3,840                 | »                  | - 36               | 8 57,340   |
| 16                   | » τ                                  | »          | 15 56,181   | 11                        | 15 22,606   | -0,043              | +0,175              | + 0,258              | 662                 | 14 45,334   | -3,740                 | »                  | - 51               | 14 41,543  |
| 17                   | » q                                  | »          | 19 29,609   | 8                         | 18 56,032   | -0,041              | +0,178              | + 0,260              | 662                 | 18 18,767   | -3,773                 | »                  | - 8                | 18 14,986  |
| 18                   | » o                                  | »          | 22 32,825   | 9                         | 21 59,247   | -0,037              | +0,182              | + 0,264              | 662                 | 21 21,994   | -3,828                 | »                  | - 45               | 21 18,121  |
| 19                   | » n                                  | »          | 27 27,068   | 11                        | 26 53,487   | -0,038              | +0,181              | + 0,263              | 663                 | 26 16,230   | -3,806                 | »                  | - 8                | 26 12,416  |
| 20                   | » l                                  | »          | 30 55,852   | 4                         | 30 22,270   | -0,043              | +0,175              | + 0,258              | 663                 | 29 44,997   | -3,729                 | »                  | - 56               | 29 41,212  |
| 22                   | » d                                  | »          | 44 51,725   | 11                        | 44 18,136   | -0,037              | +0,183              | + 0,264              | 664                 | 43 40,882   | -3,799                 | »                  | - 45               | 43 37,038  |
| 23                   | 24 Ophiuchi                          | »          | 52 0,753  | 11                        | 51 27,161   | -0,034              | +0,187              | + 0,267              | 665                 | 50 49,916   | -3,825                 | »                  | - 16               | 50 46,075  |
| 24                   | η Ophiuchi                           | »          | 17 5 53,001   | 11                        | 17 5 19,402   | -0,049              | +0,172              | + 0,255              | 667                 | 17 4 42,113   | -3,606                 | »                  | + 5                | 17 4 38,512  |
| 25                   | 36 Ophiuchi p.a.                     | »          | 10 26,514   | 11                        | 9 52,913  | -0,027              | +0,196              | + 0,275              | 667                 | 9 15,690  | -3,894                 | »                  | - 15               | 9 11,781   |
| 26                   | H 17 14 <sup>m</sup> 30 <sup>s</sup> | »          | 15 3,603  | 25                        |   |                     |                     |                      |                     |   |                        |                    |                    |  |

Mai - 10 B. Luft zuerst 4, nachher 5; Beobachtungen unsicher; (28), (31), (32), (33) äusserst unsicher. Mai 14. Luft 3, nachher 4; (14) nicht doppelt gesehen; (15) sehr schwach; (20) kaum sichtbar; (21) nur in Decl.; (25) die beiden Componenten fliessen zu einem länglichen Nebel zusammen, in dem bisweilen zwei Kerne sichtbar sind.

| Nr.                  | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich   | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17   | i I.               | k K.               | c C.                | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                  | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension<br>1900,0                            |
|----------------------|--------------------------------------|------------|--|------------------------------|--|--------------------|--------------------|---------------------|-----------------------------|---|----------------------------------|---------------------|--------------------|--|
| 1900 Mai 15 Arm Ost. |                                      |            |  |                              |  |                    |                    |                     |                             |   |                                  |                     |                    |  |
| 1                    | Polaris U.C.o.P.                     | P          | 13 <sup>h</sup> 22 <sup>m</sup> 11 <sup>s</sup> 82 | 16                           | 13 <sup>h</sup> 22 <sup>m</sup> 49 <sup>s</sup> 44 | +4 <sup>s</sup> 75 | +4 <sup>s</sup> 68 | -11 <sup>s</sup> 40 | 37 <sup>s</sup> 96          | 13 <sup>h</sup> 22 <sup>m</sup> 9 <sup>s</sup> 51 |                                  |                     |                    |  |
| 2                    | „ „ m.P.                             | „          | 22 12,18   | 11                           | 22 49,80   | „                  | „                  | „                   | 96                          | 22 9,87   |                                  |                     |                    |  |
| 3                    | 83 Virginis                          | „          | 13 40 20,775                                       | 11                           | 39 46,786  | -0,051             | +0,155             | + 0,253             | 37,750                      | 39 9,393  | -3 <sup>s</sup> 394              | 0 <sup>s</sup> 000  | - 14               | 13 <sup>h</sup> 39 <sup>m</sup> 5 <sup>s</sup> 985 |
| 4                    | 89 Virginis                          | „          | 45 40,982  | 11                           | 45 6,992   | -0,047             | +0,159             | + 0,256             | 751                         | 44 29,609   | -3,449                           | „                   | - 11               | 44 26,149  |
| 5                    | H 17 49 <sup>m</sup> 0 <sup>s</sup>  | „          | 49 33,990  | 25                           |  |                    |                    |                     |                             |   |                                  |                     |                    |  |
| 6                    | H 46 54 <sup>m</sup> 30 <sup>s</sup> | „          | 55 41,613  | 23                           | 55 7,622   |                    |                    |                     |                             |   |                                  |                     |                    |  |
| 7                    | 94 Virginis                          | „          | 14 2 14,748  | 11                           | 14 1 40,757  | -0,064             | +0,143             | + 0,247             | 751                         | 14 1 3,332  | -3,361                           | „                   | - 23               | 14 0 59,948  |
| 8                    | Jupiter II <i>b</i>                  | „          | 14 41,141  | 11                           | 14 7,148   | -0,059             | +0,149             | + 0,249             | 752                         | 13 29,735   | -3,447                           | „                   | - 45               | 13 26,243  |
| 9                    | „ „ <i>e</i>                         | „          | 19 39,194  | 11                           | 19 5,200   | -0,057             | +0,152             | + 0,251             | 753                         | 18 27,793   | -3,477                           | „                   | - 49               | 18 24,267  |
| 10                   | „ „ <i>g</i>                         | „          | 23 34,756  | 11                           | 23 0,762   | -0,056             | +0,153             | + 0,251             | 753                         | 22 23,357   | -3,496                           | „                   | - 26               | 22 19,835  |
| 11                   | M. 592                               | „          | 32 55,406  | 11                           | 32 21,411  | -0,058             | +0,151             | + 0,250             | 754                         | 31 44,000   | -3,501                           | „                   | - 19               | 31 40,480  |
| 12                   | 8 Librac                             | „          | 46 24,221  | 11                           | 45 50,223  | -0,051             | +0,160             | + 0,254             | 756                         | 45 12,830   | -3,604                           | „                   | - 12               | 45 9,214   |
| 13                   | H 17 49 <sup>m</sup> 40 <sup>s</sup> | „          | 50 13,998  | 25                           |  |                    |                    |                     |                             |   |                                  |                     |                    |  |
| 14                   | H 17 15 <sup>m</sup> 0 <sup>s</sup>  | B          | 15 15 33,988                                       | 24                           |  |                    |                    |                     |                             |   |                                  |                     |                    |  |
| 15                   | 32 Librac                            | „          | 23 52,197  | 11                           | 15 23 18,205                                       | -0,049             | +0,164             | + 0,254             | 38,018                      | 15 22 40,556                                      | -3,687                           | „                   | - 34               | 15 22 36,835                                       |
| 16                   | γ Librac                             | „          | 31 11,128  | 8                            | 30 37,134  | -0,052             | +0,161             | + 0,252             | 018                         | 29 59,477   | -3,652                           | „                   | - 8                | 29 55,817  |
| 17                   | z Librac                             | „          | 37 26,387  | 11                           | 36 52,390  | -0,043             | +0,172             | + 0,260             | 019                         | 36 14,760   | -3,773                           | „                   | - 24               | 36 10,963  |
| 18                   | Jupiter III <i>a</i>                 | „          | 48 47,086  | 11                           | 48 13,085  | -0,042             | +0,174             | + 0,260             | 020                         | 47 35,457   | -3,794                           | „                   | - 23               | 47 31,640  |
| 19                   | „ „ <i>δ</i>                         | „          | 54 34,785  | 11                           | 54 0,781   | -0,042             | +0,173             | + 0,260             | 020                         | 53 23,152   | -3,791                           | „                   | - 122              | 53 19,239  |
| 20                   | „ „ <i>α</i>                         | „          | 16 0 52,671  | 11                           | 16 0 18,665  | -0,042             | +0,174             | + 0,260             | 021                         | 59 41,036   | -3,789                           | „                   | + 8                | 59 37,255  |
| 21                   | „ „ <i>x</i>                         | „          | 2 47,746   | 6                            | 2 13,739   | -0,040             | +0,176             | + 0,262             | 021                         | 16 1 36,116                                       | -3,817                           | „                   | - 19               | 16 1 32,280  |
| 22                   | „ „ <i>u</i>                         | „          | 10 8,339   | 11                           | 9 34,328   | -0,044             | +0,173             | + 0,258             | 022                         | 8 56,693  | -3,757                           | „                   | - 42               | 8 52,894   |
| 23                   | „ „ <i>s</i>                         | „          | 14 31,758  | 11                           | 13 57,745  | -0,041             | +0,176             | + 0,261             | 022                         | 13 20,119   | -3,799                           | „                   | - 41               | 13 16,279  |
| 24                   | „ „ <i>ξ</i>                         | „          | 18 8,645   | 11                           | 17 34,631  | -0,035             | +0,183             | + 0,267             | 023                         | 16 57,023   | -3,879                           | „                   | - 77               | 16 53,067  |
| 25                   | „ „ <i>p</i>                         | „          | 22 29,016  | 11                           | 21 55,000  | -0,045             | +0,174             | + 0,259             | 023                         | 21 17,365   | -3,750                           | „                   | - 22               | 21 13,593  |
| 26                   | „ „ <i>θ</i>                         | „          | 25 9,515   | 11                           | 24 35,498  | -0,044             | +0,174             | + 0,259             | 023                         | 23 57,864   | -3,754                           | „                   | - 94               | 23 54,016  |
| 27                   | „ „ <i>m</i>                         | „          | 30 10,954  | 11                           | 29 36,935  | -0,042             | +0,179             | + 0,260             | 024                         | 28 59,308   | -3,784                           | „                   | - 114              | 28 55,410  |
| 28                   | „ „ <i>ρ</i>                         | „          | 33 35,310  | 10                           | 33 1,290   | -0,036             | +0,184             | + 0,267             | 024                         | 32 23,681   | -3,863                           | „                   | - 81               | 32 19,737  |
| 29                   | „ „ <i>h</i>                         | „          | 37 16,330  | 11                           | 36 42,308  | -0,042             | +0,178             | + 0,261             | 024                         | 36 4,681  | -3,776                           | „                   | - 32               | 36 0,873   |
| 30                   | „ „ <i>d</i>                         | „          | 44 52,611  | 11                           | 44 18,586  | -0,038             | +0,182             | + 0,265             | 024                         | 43 40,971   | -3,821                           | „                   | - 81               | 43 37,069  |
| 31                   | 24 Ophiuchi                          | „          | 52 1,593   | 11                           | 51 27,565  | -0,035             | +0,186             | + 0,267             | 025                         | 50 49,958   | -3,848                           | „                   | - 34               | 50 46,076  |
| 32                   | η Ophiuchi                           | „          | 17 5 53,842  | 11                           | 17 5 19,808  | -0,049             | +0,172             | + 0,256             | 027                         | 17 4 42,160                                       | -3,629                           | „                   | + 12               | 17 4 38,543  |
| 33                   | 36 Ophiuchi p.a.                     | „          | 10 27,361  | 10                           | 9 53,325   | -0,028             | +0,196             | + 0,276             | 027                         | 9 15,742  | -3,920                           | „                   | - 33               | 9 11,789   |
| 34                   | H 17 20 <sup>m</sup> 0 <sup>s</sup>  | „          | 20 34,040  | 25                           |  |                    |                    |                     |                             |   |                                  |                     |                    |  |
| Mai 23 Arm Ost.      |                                      |            |  |                              |  |                    |                    |                     |                             |   |                                  |                     |                    |  |
| 1                    | γ Bootis                             | P          | 15 28 40,991                                       | 19                           | 15 28 2,047  | -0,123             | +0,060             | + 0,311             | 38,925                      | 15 27 23,362                                      |                                  |                     | - 8                |  |
| 2                    | z Coronae                            | „          | 31 47,951  | 21                           | 31 9,005   | -0,096             | +0,113             | + 0,262             | 901                         | 30 30,391   |                                  |                     | + 8                |  |
| 3                    | H 17 42 <sup>m</sup> 50 <sup>s</sup> | „          | 43 28,952  | 24                           |  |                    |                    |                     |                             |   |                                  |                     |                    |  |
| 4                    | z Serpentis                          | „          | 47 10,825  | 7                            | 46 31,871  | -0,064             | +0,174             | + 0,234             | 977                         | 45 53,215   |                                  |                     | - * 23             |  |
| 5                    | H 46 48 <sup>m</sup> 30 <sup>s</sup> | „          | 49 47,906  | 24                           | 49 8,951   |                    |                    |                     |                             |   |                                  |                     |                    |  |
| Mai 26 Arm Ost.      |                                      |            |  |                              |  |                    |                    |                     |                             |   |                                  |                     |                    |  |
| 1                    | Polaris U.C.o.P.                     | P          | 13 22 20,11  | 17                           | 13 22 59,31  | +3,88              | +5,95              | -11,02              | 39,66                       | 13 22 18,46                                       |                                  |                     |                    |  |
| 2                    | „ „ m.P.                             | „          | 22 19,97   | 16                           | 22 59,17   | „                  | „                  | „                   | 66                          | 22 18,32  |                                  |                     |                    |  |
| 3                    | H 17 35 <sup>m</sup> 0 <sup>s</sup>  | „          | 13 35 41,500                                       | 25                           |  |                    |                    |                     |                             |   |                                  |                     |                    |  |

Mai 15 P. Luft 2-3; (1) und (2) gestört durch Lärm. Mai 15 B. Luft 3-4; (24) schwach, unsicher; (33) beide Componenten fließen zusammen; Beobachtung unzuverlässig. Mai 23. Zwischen Wolken; (4) geschätzte Grösse 7,0. Mai 26. Luft 2-3.

| Nr.                  | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17 | i I.                                   | k K.   | c C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension | Red.<br>auf<br>Jahres-<br>anfang      | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0 |                                       |
|----------------------|--------------------------------------|------------|--|--|--|--------|--------|-----------------------------|----------------------------------|---------------------------------------|---------------------|-----------------------|-------------------------|---------------------------------------|
| 1900 Mai 26 (Forts.) |                                      |            |  |  |  |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| 4                    | 83 Virginis                          | P          | 13 <sup>h</sup> 40 <sup>m</sup> 29,925           | 11   | 13 <sup>h</sup> 39 <sup>m</sup> 48,423 | -0,041 | +0,197 | + 0,246                     | 39,453                           | 13 <sup>h</sup> 39 <sup>m</sup> 9,372 | -3,370              | 0,000                 | - 14                    | 13 <sup>h</sup> 39 <sup>m</sup> 5,988 |
| 5                    | 89 Virginis                          | "          | 45 50,158  | 10   | 45 8,654                               | -0,038 | +0,203 | + 0,249                     | 454                              | 44 29,614                             | -3,430              | "                     | - 11                    | 44 26,173                             |
| 6                    | $\eta$ Bootis                        | "          | 51 19,059  | 23   | 50 37,553                              | -0,094 | +0,120 | + 0,251                     | 415                              | 49 58,420                             |                     | "                     | + 5                     |                                       |
| 7                    | $\tau$ Virginis                      | "          | 57 57,223  | 23   | 57 15,714                              | -0,068 | +0,160 | + 0,237                     | 463                              | 56 36,576                             |                     | "                     | - 4                     |                                       |
| 8                    | H 46 59 <sup>m</sup> 50 <sup>s</sup> | "          | 14 1 10,716                                      | 25   | 14 0 29,206                            |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| 9                    | Jupiter II c                         | "          | 15 5,894   | 11   | 14 24,377                              | -0,045 | +0,195 | + 0,244                     | 454                              | 14 13 45,317                          | -3,479              | "                     | - 6                     | 14 13 41,832                          |
| 10                   | " c                                  | "          | 19 48,401  | 11   | 19 6,882                               | -0,046 | +0,195 | + 0,244                     | 454                              | 18 27,821                             | -3,490              | "                     | - 49                    | 18 24,282                             |
| 11                   | " f                                  | "          | 20 42,359  | 7  | 20 0,840                               | -0,048 | +0,192 | + 0,243                     | 454                              | 19 21,773                             | -3,472              | "                     | - 22                    | 19 18,279                             |
| 12                   | M. 592                               | "          | 33 4,588   | 10   | 32 23,064                              | -0,047 | +0,195 | + 0,244                     | 455                              | 31 44,001                             | -3,528              | "                     | - 19                    | 31 40,454                             |
| 13                   | 8 Librac                             | "          | 46 33,469  | 11   | 45 51,939                              | -0,041 | +0,207 | + 0,248                     | 455                              | 45 12,898                             | -3,646              | "                     | - 12                    | 45 9,240                              |
| 14                   | H 17 49 <sup>m</sup> 30 <sup>s</sup> | "          | 50 11,532  | 24   |  |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| Juni 2 Arm Ost.      |                                      |            |  |  |  |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| 1                    | H 46 23 <sup>m</sup> 30 <sup>s</sup> | P          | 13 24 58,228                                     | 29   | 13 24 10,358                           |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| 2                    | $\zeta$ Virginis                     | "          | 31 6,633   | 23   | 30 18,762                              | -0,052 | +0,145 | + 0,222                     | 40,186                           | 13 29 38,892                          |                     | "                     | + 1                     |                                       |
| 3                    | H 17 33 <sup>m</sup> 30 <sup>s</sup> | "          | 34 17,873  | 25   |  |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| 4                    | $\tau$ Bootis                        | "          | 44 1,359   | 22   | 43 13,480                              | -0,074 | +0,109 | + 0,233                     | 150                              | 42 33,594                             |                     | "                     | - 4                     |                                       |
| 5                    | 89 Virginis                          | "          | 45 57,241  | 16   | 45 9,360                               | -0,031 | +0,181 | + 0,233                     | 122                              | 44 29,610                             |                     | "                     | - 11                    |                                       |
| Juni 3 Arm Ost.      |                                      |            |  |  |  |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| 1                    | H 17 12 <sup>m</sup> 0 <sup>s</sup>  | P          | 15 12 48,937                                     | 25   |  |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| 2                    | 32 Librac                            | "          | 24 9,678   | 11   | 15 23 20,734                           | -0,029 | +0,201 | + 0,223                     | 40,417                           | 15 22 40,712                          | -3,831              | 0,000                 | - 16                    | 15 22 36,865                          |
| 3                    | $\gamma$ Librac                      | "          | 31 28,594  | 11   | 30 39,645                              | -0,031 | +0,195 | + 0,221                     | 418                              | 29 59,612                             | -3,807              | "                     | - 4                     | 29 55,801                             |
| 4                    | $\kappa$ Librac                      | "          | 37 43,951  | 11   | 36 54,998                              | -0,025 | +0,206 | + 0,227                     | 419                              | 36 14,987                             | -3,945              | "                     | - 11                    | 36 11,031                             |
| 5                    | Jupiter III $\epsilon$               | "          | 52 53,874  | 11   | 52 4,910                               | -0,023 | +0,208 | + 0,230                     | 421                              | 51 24,924                             | -4,035              | "                     | - 33                    | 51 20,836                             |
| 6                    | " $\beta$                            | "          | 58 51,317  | 11   | 58 2,350                               | -0,025 | +0,203 | + 0,227                     | 423                              | 57 22,332                             | -4,002              | "                     | - 34                    | 57 18,296                             |
| 7                    | " $\eta$                             | "          | 16 2 30,347                                      | 11   | 16 1 41,378                            | -0,024 | +0,205 | + 0,228                     | 423                              | 16 1 1,364                            | -4,033              | "                     | - 6                     | 16 0 57,325                           |
| 8                    | " $\nu$                              | "          | 9 20,725   | 11   | 8 31,751                               | -0,023 | +0,206 | + 0,229                     | 425                              | 7 51,738                              | -4,067              | "                     | - 30                    | 7 47,641                              |
| 9                    | " $\iota$                            | "          | 12 41,426  | 11   | 11 52,450                              | -0,024 | +0,203 | + 0,227                     | 425                              | 11 12,431                             | -4,037              | "                     | - 27                    | 11 8,367                              |
| 10                   | " $\upsilon$                         | "          | 16 20,990  | 10   | 15 32,011                              | -0,022 | +0,205 | + 0,230                     | 426                              | 14 51,998                             | -4,093              | "                     | - 36                    | 14 47,869                             |
| 14                   | " $i$                                | "          | 36 13,808  | 11   | 35 24,815                              | -0,024 | +0,200 | + 0,229                     | 429                              | 34 44,791                             | -4,076              | "                     | - 27                    | 34 40,688                             |
| 15                   | " $\sigma$                           | "          | 40 40,870  | 11   | 39 51,874                              | -0,021 | +0,207 | + 0,233                     | 430                              | 39 11,863                             | -4,164              | "                     | - 33                    | 39 7,666                              |
| 16                   | 24 Ophiuchi                          | "          | 52 19,260  | 11   | 51 30,256                              | -0,020 | +0,205 | + 0,233                     | 431                              | 50 50,243                             | -4,169              | "                     | - 16                    | 50 46,058                             |
| 17                   | H 46 54 <sup>m</sup> 10 <sup>s</sup> | "          | 55 39,650  | 24   | 54 50,644                              |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| 18                   | $\eta$ Ophiuchi                      | "          | 17 6 11,514                                      | 11   | 17 5 22,501                            | -0,029 | +0,185 | + 0,223                     | 434                              | 17 4 42,446                           | -3,959              | "                     | + 5                     | 17 4 38,492                           |
| 19                   | 36 Ophiuchi p.a.                     | "          | 10 45,129  | 11   | 9 56,113                               | -0,016 | +0,211 | + 0,240                     | 435                              | 9 16,113                              | -4,286              | "                     | - 15                    | 9 11,812                              |
| 20                   | H 17 30 <sup>m</sup> 50 <sup>s</sup> | "          | 14 39,020  | 25   |  |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| Juni 9 Arm Ost.      |                                      |            |  |  |  |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| 1                    | $\epsilon$ Ophiuchi                  | P          | 16 14 41,161                                     | 7  | 16 13 46,952                           | -0,052 | +0,189 | + 0,224                     | 41,907                           | 16 13 5,408                           |                     | "                     | + 2                     |                                       |
| 2                    | $\gamma$ Herculis                    | "          | 19 9,651   | 23   | 18 15,439                              | -0,084 | +0,129 | + 0,236                     | 890                              | 17 33,830                             |                     | "                     | 0                       |                                       |
| 3                    | $\omega$ Herculis                    | "          | 22 27,260  | 23   | 21 33,046                              | -0,077 | +0,143 | + 0,230                     | 920                              | 20 51,417                             |                     | "                     | - 5                     |                                       |
| 4                    | $\beta$ Herculis                     | "          | 27 34,371  | 23   | 26 40,154                              | -0,087 | +0,123 | + 0,240                     | 880                              | 25 58,556                             |                     | "                     | + 6                     |                                       |
| 5                    | H 46 28 <sup>m</sup> 40 <sup>s</sup> | "          | 30 16,252  | 24   | 29 22,033                              |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| 6                    | H 17 32 <sup>m</sup> 40 <sup>s</sup> | "          | 33 34,221  | 24   |  |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| Juni 11 Arm Ost.     |                                      |            |  |  |  |        |        |                             |                                  |                                       |                     |                       |                         |                                       |
| 1                    | Polaris U.C.m.P.                     | P          | —  | 16   | 13 23 11,31                            | +3,70  | +7,97  | - 9,38                      | 42,52                            | 13 22 31,08                           |                     | "                     |                         |                                       |
| 2                    | " " o.P.                             | "          | —  | 15   | 23 10,61                               | "      | "      | "                           | 52                               | 22 30,38                              |                     | "                     |                         |                                       |

Juni 2. Luft 3. Juni 3. Luft 3-4; schwache Sterne kaum sichtbar; (11)-(13) Beob. nur in Decl.

| Nr.                          | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich        | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17        | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                    | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Pro-<br>cession | Helligk.<br>Gleichung | Rectascension<br>1900,0                             |
|------------------------------|--------------------------------------|------------|---|------------------------------|---|--------|--------|---------|-----------------------------|---|----------------------------------|-------------------------|-----------------------|---|
| <b>1900 Juni 11 (Forts.)</b> |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                         |                       |   |
| 3                            | H 17 14 <sup>m</sup> 50 <sup>s</sup> | P          | 15 <sup>h</sup> 15 <sup>m</sup> 45 <sup>s</sup> 731 | 25                           |   |        |        |         | —0 <sup>m</sup>             |   |                                  |                         |                       |   |
| 4                            | 32 Librac                            | "          | 24 18,387   | 11                           | 15 <sup>h</sup> 23 <sup>m</sup> 22 <sup>s</sup> 651 | —0,038 | +0,258 | + 0,214 | 42,332                      | 15 <sup>h</sup> 22 <sup>m</sup> 40 <sup>s</sup> 753 | —3,826                           | 0,000                   | — 16                  | 15 <sup>h</sup> 22 <sup>m</sup> 36 <sup>s</sup> 911 |
| 5                            | γ Librac                             | "          | 31 37,308   | 11                           | 30 41,568   | —0,040 | +0,251 | + 0,212 | 333                         | 29 59,658   | —3,808                           | "                       | — 4                   | 29 55,846   |
| 6                            | κ Librac                             | "          | 37 52,558   | 11                           | 36 56,815   | —0,033 | +0,266 | + 0,217 | 334                         | 36 14,931   | —3,951                           | "                       | — 11                  | 36 10,969   |
| 7                            | Jupiter III η                        | "          | 49 13,291   | 11                           | 48 17,542   | —0,032 | +0,267 | + 0,218 | 336                         | 47 35,659   | —4,003                           | "                       | — 10                  | 47 31,646   |
| 8                            | " ε                                  | "          | 53 2,533  | 11                           | 52 6,782  | —0,030 | +0,271 | + 0,220 | 336                         | 51 24,907   | —4,053                           | "                       | — 33                  | 51 20,821   |
| 9                            | " ν                                  | "          | 16 3 14,056   | 11                           | 16 2 18,300   | —0,031 | +0,268 | + 0,219 | 338                         | 16 1 36,418   | —4,065                           | "                       | — 8                   | 16 1 32,345   |
| 10                           | " ω                                  | "          | 7 52,597  | 11                           | 6 56,839  | —0,033 | +0,264 | + 0,217 | 339                         | 6 14,948  | —4,038                           | "                       | — 4                   | 6 10,906  |
| 11                           | " t                                  | "          | 12 50,084   | 11                           | 11 54,323   | —0,032 | +0,266 | + 0,218 | 340                         | 11 12,435   | —4,069                           | "                       | — 27                  | 11 8,339  |
| 12                           | " υ                                  | "          | 16 29,696   | 11                           | 15 33,933   | —0,029 | +0,270 | + 0,222 | 341                         | 14 52,055   | —4,128                           | "                       | — 36                  | 14 47,891   |
| 13                           | " φ                                  | "          | 19 56,737   | 11                           | 19 0,972  | —0,032 | +0,265 | + 0,219 | 341                         | 18 19,083   | —4,083                           | "                       | — 8                   | 18 14,992   |
| 14                           | " η                                  | "          | 27 54,181   | 10                           | 26 58,412   | —0,030 | +0,268 | + 0,221 | 342                         | 26 16,529   | —4,142                           | "                       | — 8                   | 26 12,379   |
| 15                           | " ρ                                  | "          | 34 1,480  | 10                           | 33 5,708  | —0,027 | +0,273 | + 0,223 | 343                         | 32 23,834   | —4,198                           | "                       | — 45                  | 32 19,591   |
| 16                           | " λ                                  | "          | 37 42,649   | 11                           | 36 46,875   | —0,032 | +0,263 | + 0,219 | 344                         | 36 4,981  | —4,114                           | "                       | — 14                  | 36 0,853  |
| 17                           | 24 Ophiuchi                          | "          | 52 27,965   | 11                           | 51 32,184   | —0,027 | +0,273 | + 0,224 | 346                         | 50 50,308   | —4,233                           | "                       | — 16                  | 50 46,059   |
| 18                           | H 46 55 <sup>m</sup> 0 <sup>s</sup>  | "          | 56 38,400   | 24                           | 55 42,617   |        |        |         |                             |   |                                  |                         |                       |   |
| 19                           | η Ophiuchi                           | "          | 17 6 20,215   | 11                           | 17 5 24,427   | —0,038 | +0,249 | + 0,214 | 349                         | 17 4 42,503   | —4,029                           | "                       | + 5                   | 17 4 38,479   |
| 20                           | 36 Ophiuchi p.a.                     | "          | 10 53,818   | 11                           | 9 58,027  | —0,021 | +0,284 | + 0,230 | 349                         | 9 16,171  | —4,366                           | "                       | — 15                  | 9 11,790  |
| 21                           | H 17 14 <sup>m</sup> 0 <sup>s</sup>  | "          | 14 55,793   | 25                           |   |        |        |         |                             |   |                                  |                         |                       |   |
| <b>Juni 12 Arm Ost.</b>      |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                         |                       |   |
| 1                            | Polaris U.C. o.P.                    | B          | 13 22 20,47   | 11                           | 13 23 9,33  | +4,35  | +7,77  | — 9,20  | 42,80                       | 13 22 29,45   |                                  |                         |                       |   |
| 2                            | " " m.P.                             | "          | 22 20,41  | 15                           | 23 9,27   | "      | "      | "       | 80                          | 22 29,39  |                                  |                         |                       |   |
| 3                            | β Serpentis                          | "          | 15 43 16,720  | 11                           | 15 42 20,135  | —0,100 | +0,163 | + 0,211 | 42,764                      | 15 41 37,645  |                                  |                         | 0                     |   |
| 4                            | κ Serpentis                          | "          | 45 56,773   | 7                            | 45 0,187  | —0,105 | +0,154 | + 0,215 | 860                         | 44 17,587   |                                  |                         | — 4                   |   |
| 5                            | H 46 50 <sup>m</sup> 0 <sup>s</sup>  | "          | 51 39,477   | 25                           | 50 42,888   |        |        |         |                             |   |                                  |                         |                       |   |
| 6                            | ε Coronae                            | "          | 55 9,267  | 16                           | 54 12,676   | —0,122 | +0,125 | + 0,229 | 875                         | 53 30,029   |                                  |                         | — 4                   |   |
| 7                            | H 17 59 <sup>m</sup> 0 <sup>s</sup>  | "          | 59 56,594   | 24                           |   |        |        |         |                             |   |                                  |                         |                       |   |
| <b>Juni 14 Arm Ost.</b>      |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                         |                       |   |
| 1                            | Polaris U.C. o.P.                    | B          | 13 22 29,80   | 14                           | 13 23 12,97   | +4,57  | +8,80  | —10,32  | 43,18                       | 13 22 32,84   |                                  |                         |                       |   |
| 2                            | " " m.P.                             | "          | 22 28,26  | 14                           | 23 11,43  | "      | "      | "       | 18                          | 22 31,30  |                                  |                         |                       |   |
| <b>Juni 18 Arm Ost.</b>      |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                         |                       |   |
| 1                            | θ Herculis                           | P          | 17 54 37,801  | 23                           | 17 53 36,114  | —0,151 | +0,093 | + 0,289 | 43,623                      | 17 52 52,721  |                                  |                         | — 1                   |   |
| 2                            | H 46 56 <sup>m</sup> 30 <sup>s</sup> | "          | 58 15,449   | 25                           | 57 13,760   |        |        |         |                             |   |                                  |                         |                       |   |
| 3                            | 72 Ophiuchi                          | "          | 18 4 25,150   | 23                           | 18 3 23,458   | —0,093 | +0,198 | + 0,233 | 683                         | 18 2 40,112   |                                  |                         | — 1                   |   |
| 4                            | H 17 7 <sup>m</sup> 50 <sup>s</sup>  | "          | 8 51,695  | 25                           |   |        |        |         |                             |   |                                  |                         |                       |   |
| 5                            | η Serpentis                          | "          | 17 56,907   | 23                           | 16 55,207   | —0,071 | +0,236 | + 0,230 | 718                         | 16 11,886   |                                  |                         | + 2                   |   |
| <b>Juni 23 Arm Ost.</b>      |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                         |                       |   |
| 1                            | ε Ophiuchi                           | P          | 16 14 55,261  | 16                           | 16 13 50,210  | —0,044 | +0,234 | + 0,228 | 45,172                      | 16 13 5,458   |                                  |                         | + 2                   |   |
| 2                            | γ Herculis                           | "          | 19 23,787   | 23                           | 18 18,733   | —0,071 | +0,160 | + 0,241 | 211                         | 17 33,852   |                                  |                         | 0                     |   |
| 3                            | H 17 22 <sup>m</sup> 20 <sup>s</sup> | "          | 23 25,055   | 25                           |   |        |        |         |                             |   |                                  |                         |                       |   |
| 4                            | β Herculis                           | "          | 27 48,495   | 23                           | 26 43,437   | —0,073 | +0,152 | + 0,244 | 184                         | 25 58,582   |                                  |                         | + 6                   |   |
| 5                            | ζ Ophiuchi                           | "          | 33 32,809   | 23                           | 32 27,749   | —0,037 | +0,251 | + 0,231 | 226                         | 31 42,972   |                                  |                         | + 4                   |   |
| 6                            | H 46 34 <sup>m</sup> 30 <sup>s</sup> | "          | 36 19,845   | 25                           | 35 14,784   |        |        |         |                             |   |                                  |                         |                       |   |
| <b>Juni 28 Arm Ost.</b>      |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                         |                       |   |
| 1                            | β Coronae                            | B          | 15 25 40,509  | 21                           | 15 24 31,965  | —0,084 | +0,093 | + 0,260 | 46,828                      | 15 23 45,406  |                                  |                         | 0                     |   |

**Juni 11.** Luft zuerst 3, nachher 4, im Süden neblig; (8), (12) und (15) Feldbeleuchtung stark moderirt; (20) beide Componenten fließen meistens zusammen. **Juni 12.** (1) und (2) Luft 2—3; (3), (4), (6) beob. zwischen Wolken. **Juni 14.** (1) und (2) Luft 2—3.

| Nr.                          | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich        | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17        | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension | Red.<br>auf<br>Jahres-<br>anfang                    | Red. f. ProceSSION | Helligk.<br>Gleichung | Rectascension<br>1900,0                             |
|------------------------------|--------------------------------------|------------|---|------------------------------|---|--------|--------|---------|-----------------------------|----------------------------------|---|--------------------|-----------------------|---|
| <b>1900 Juni 28 (Forts.)</b> |                                      |            |   |                              |   |        |        |         |                             |                                  |   |                    |                       |   |
| 2                            | $\alpha$ Coronae                     | B          | 15 <sup>h</sup> 32 <sup>m</sup> 25 <sup>s</sup> 413 | 23                           | 15 <sup>h</sup> 31 <sup>m</sup> 16 <sup>s</sup> 866 | -0,080 | +0,101 | + 0,254 | — <sup>om</sup>             | 46 <sup>s</sup> 833              | 15 <sup>h</sup> 30 <sup>m</sup> 30 <sup>s</sup> 332 |                    | + 24                  |   |
| 3                            | H 46 34 <sup>m</sup> 0 <sup>s</sup>  | "          | 35 54,397   | 25                           | 34 45,848   |        |        |         |                             |                                  |   |                    |                       |   |
| 4                            | $\alpha$ Serpentin                   | "          | 41 18,987   | 22                           | 40 10,435   | -0,056 | +0,151 | + 0,228 | 852                         | 39 23,921                        |   |                    | + 15                  |   |
| 5                            | H 17 46 <sup>m</sup> 0 <sup>s</sup>  | "          | 47 8,555  | 29                           |   |        |        |         |                             |                                  |   |                    |                       |   |
| <b>Juli 2 Arm Ost.</b>       |                                      |            |   |                              |   |        |        |         |                             |                                  |   |                    |                       |   |
| 1                            | H 17 27 <sup>m</sup> 10 <sup>s</sup> | P          | 18 28 21,806  | 25                           |   |        |        |         |                             |                                  |   |                    |                       |   |
| 2                            | $\alpha$ Lyrae                       | "          | 35 36,094   | 23                           | 18 34 24,284  | -0,051 | +0,074 | + 0,274 | 48,004                      | 18 33 36,599                     |   |                    | + 22                  |   |
| 3                            | H 46 37 <sup>m</sup> 0 <sup>s</sup>  | "          | 38 58,768   | 24                           | 37 46,957   |        |        |         |                             |                                  |   |                    |                       |   |
| 4                            | $\eta$ Herculis                      | "          | 43 24,604   | 23                           | 42 12,790   | -0,037 | +0,140 | + 0,228 | 022                         | 41 25,096                        |   |                    | - 3                   |   |
| 5                            | $\beta$ Lyrae                        | "          | 48 26,289   | 23                           | 47 14,473   | -0,046 | +0,097 | + 0,256 | 47,999                      | 46 26,783                        |   |                    | + 2                   |   |
| 6                            | $\delta$ Serpentin pr.               | "          | 53 18,237   | 23                           | 52 6,418  | -0,028 | +0,186 | + 0,214 | 48,069                      | 51 18,715                        |   |                    | - 6                   |   |
| <b>Juli 3 Arm Ost.</b>       |                                      |            |   |                              |   |        |        |         |                             |                                  |   |                    |                       |   |
| 1                            | H 17 14 <sup>m</sup> 10 <sup>s</sup> | P          | 15 15 22,596  | 25                           |   |        |        |         |                             |                                  |   |                    |                       |   |
| 2                            | $\beta$ Librae                       | "          | 24 41,196   | 11                           | 15 23 28,596  | -0,015 | +0,241 | + 0,229 | 48,340                      | 15 22 40,711                     | -3,780  | 0,000              | - 16                  | 15 <sup>h</sup> 22 <sup>m</sup> 36 <sup>s</sup> 915 |
| 3                            | $\gamma$ Librae                      | "          | 32 0,111  | 11                           | 30 47,506   | -0,016 | +0,236 | + 0,227 | 341                         | 29 59,612                        | -3,774  | "                  | - 4                   | 29 53,834   |
| 4                            | $\alpha$ Librae                      | "          | 38 15,368   | 11                           | 37 2,759  | -0,014 | +0,250 | + 0,234 | 342                         | 36 14,887                        | -3,928  | "                  | - 11                  | 36 10,948   |
| 5                            | Jupiter III $\epsilon$               | "          | 53 25,351   | 11                           | 52 12,733   | -0,012 | +0,256 | + 0,237 | 345                         | 51 24,869                        | -4,058  | "                  | -*36                  | 51 20,775   |
| 6                            | " $\beta$                            | "          | 59 22,882   | 11                           | 58 10,260   | -0,012 | +0,251 | + 0,236 | 347                         | 57 22,388                        | -4,040  | "                  | -*41                  | 57 18,307   |
| 7                            | " $\eta$                             | "          | 16 3 1,914  | 11                           | 16 1 49,289   | -0,012 | +0,253 | + 0,237 | 347                         | 16 1 1,420                       | -4,080  | "                  | -*10                  | 16 0 57,330   |
| 8                            | " $\nu$                              | "          | 9 52,263  | 11                           | 8 39,634  | -0,011 | +0,255 | + 0,238 | 349                         | 7 51,767                         | -4,134  | "                  | -*43                  | 7 47,590  |
| 9                            | " $t$                                | "          | 13 12,970   | 7                            | 12 0,339  | -0,012 | +0,251 | + 0,236 | 349                         | 11 12,465                        | -4,111  | "                  | -*43                  | 11 8,311  |
| 10                           | " $\nu$                              | "          | 16 52,570   | 11                           | 15 39,937   | -0,011 | +0,257 | + 0,240 | 350                         | 14 52,073                        | -4,178  | "                  | -*56                  | 14 47,839   |
| 11                           | " $\pi$                              | "          | 25 29,216   | 7                            | 24 16,577   | -0,011 | +0,256 | + 0,240 | 352                         | 23 28,710                        | -4,206  | "                  | -*73                  | 23 24,431   |
| 12                           | " $n$                                | "          | 28 17,155   | 10                           | 27 4,514  | -0,011 | +0,256 | + 0,239 | 352                         | 26 16,646                        | -4,214  | "                  | -*15                  | 26 12,417   |
| 13                           | " $i$                                | "          | 36 45,460   | 11                           | 35 32,814   | -0,011 | +0,252 | + 0,239 | 355                         | 34 44,939                        | -4,215  | "                  | -*43                  | 34 40,681   |
| 14                           | $\alpha$ Ophiuchi                    | "          | 52 50,970   | 11                           | 51 38,314   | -0,010 | +0,260 | + 0,243 | 358                         | 50 50,449                        | -4,357  | "                  | -*28                  | 50 46,064   |
| 15                           | H 17 53 <sup>m</sup> 0 <sup>s</sup>  | "          | 59 12,654   | 25                           |   |        |        |         |                             |                                  |   |                    |                       |   |
| 16                           | $\eta$ Ophiuchi                      | "          | 17 6 43,230   | 11                           | 17 5 30,565   | -0,013 | +0,238 | + 0,234 | 361                         | 17 4 42,663                      | -4,174  | "                  | -*1                   | 17 4 38,488   |
| 17                           | $\beta$ Ophiuchi p.a.                | "          | 11 16,848   | 11                           | 10 4,180  | -0,008 | +0,272 | + 0,251 | 362                         | 9 16,333                         | -4,533  | "                  | -*34                  | 9 11,766  |
| 18                           | Saturn I $a$                         | "          | 17 5,454  | 11                           | 15 52,783   | -0,011 | +0,254 | + 0,241 | 363                         | 15 4,904                         | -4,359  | "                  | -*14                  | 15 0,531  |
| 19                           | " $c$                                | "          | 20 48,056   | 11                           | 19 35,383   | -0,010 | +0,255 | + 0,242 | 364                         | 18 47,506                        | -4,379  | "                  | -*31                  | 18 43,096   |
| 20                           | " $e$                                | "          | 25 54,535   | 11                           | 24 41,858   | -0,011 | +0,249 | + 0,239 | 365                         | 23 53,970                        | -4,329  | "                  | -*70                  | 23 49,571   |
| 21                           | X Sagittarii                         | "          | 43 21,202   | 10                           | 42 8,514  | -0,007 | +0,276 | + 0,256 | 368                         | 41 20,671                        | -4,649  | "                  | -*38                  | 41 15,984   |
| 22                           | H 46 44 <sup>m</sup> 50 <sup>s</sup> | "          | 46 49,912   | 24                           | 45 37,222   |        |        |         |                             |                                  |   |                    |                       |   |
| 23                           | M. 722                               | "          | 52 7,010  | 11                           | 50 54,317   | -0,011 | +0,248 | + 0,240 | 370                         | 50 6,424                         | -4,351  | "                  | -*36                  | 50 2,037  |
| 24                           | H 17 54 <sup>m</sup> 25 <sup>s</sup> | "          | 55 37,699   | 25                           |   |        |        |         |                             |                                  |   |                    |                       |   |
| <b>Juli 10 Arm Ost.</b>      |                                      |            |   |                              |   |        |        |         |                             |                                  |   |                    |                       |   |
| 1                            | $\delta$ Ophiuchi                    | B          | 16 11 16,953  | 23                           | 16 9 59,706   | -0,010 | +0,169 | + 0,220 | 50,198                      | 16 9 9,900                       |   |                    | + 13                  |   |
| 2                            | $\epsilon$ Ophiuchi                  | "          | 15 12,557   | 23                           | 13 55,308   | -0,009 | +0,171 | + 0,221 | 272                         | 13 5,423                         |   |                    | + 4                   |   |
| 3                            | $\gamma$ Herculis                    | "          | 19 40,930   | 23                           | 18 23,678   | -0,015 | +0,117 | + 0,233 | 230                         | 17 33,783                        |   |                    | 0                     |   |
| 4                            | H 46 25 <sup>m</sup> 0 <sup>s</sup>  | "          | 27 6,334  | 24                           | 25 49,077   |        |        |         |                             |                                  |   |                    |                       |   |
| 5                            | H 17 29 <sup>m</sup> 0 <sup>s</sup>  | "          | 30 17,259   | 25                           |   |        |        |         |                             |                                  |   |                    |                       |   |
| 6                            | $\alpha$ Ophiuchi                    | "          | 52 57,494   | 10                           | 51 40,220   | -0,005 | +0,214 | + 0,240 | 232                         | 50 50,437                        | -4,354  | 0,000              | - 34                  | 16 50 46,049  |
| 7                            | $\eta$ Ophiuchi                      | "          | 17 6 49,813   | 11                           | 17 5 32,531   | -0,007 | +0,196 | + 0,229 | 235                         | 17 4 42,714                      | -4,178  | "                  | + 12                  | 17 4 38,548   |
| 8                            | Saturn I $a$                         | "          | 17 12,031   | 11                           | 15 54,742   | -0,006 | +0,209 | + 0,237 | 236                         | 15 4,946                         | -4,371  | "                  | - 17                  | 15 0,558  |

**Juli 3.** Während der Beobachtungen kommen Nebel auf im Süden, welche die Sterne allmählich stärker abschwächen. Angenommene Grössen: (5) 7,9; (6) 8,2; (7) 5,6; (8) 8,3; (9) 8,3; (10) 8,9; (11) 9,6; (12) 6,3; (13) 8,3; (14) 7,4; (16) 4,2; (17) 7,8; (18) 6,2; (19) 7,6; (20) 9,5; (21) 8,0; (23) 7,9; (11), (13), (21) unsicher. **Juli 10.** Luft 2; zu Anfang Wolken;  $\beta$  Ophiuchi der sehr störenden Duplicität wegen nicht beobachtet.

| Nr.                   | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich         | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17         | i I.   | k K.   | c. C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                     | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension<br>1900,0                              |
|-----------------------|--------------------------------------|------------|--|------------------------------|--|--------|--------|---------|-----------------------------|--|----------------------------------|---------------------|--------------------|--|
| 1900 Juli 10 (Forts.) |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                     |                    |  |
| 9                     | Saturn I c                           | B          | 17 <sup>h</sup> 20 <sup>m</sup> 54 <sup>s</sup> .641 | 11                           | 17 <sup>h</sup> 19 <sup>m</sup> 37 <sup>s</sup> .349 | -0,006 | +0,210 | + 0,237 | 50,236                      | 17 <sup>h</sup> 18 <sup>m</sup> 47 <sup>s</sup> .554 | -4,393                           | 0,000               | - 37               | 17 <sup>h</sup> 18 <sup>m</sup> 43 <sup>s</sup> .124 |
| 10                    | " e                                  | "          | 26 1,131   | 11                           | 24 43,836  | -0,006 | +0,205 | + 0,234 | 237                         | 23 54,032  | -4,346                           | "                   | -127               | 23 49,559  |
| 11                    | X Sagittarii                         | "          | 43 27,703  | 11                           | 42 10,397  | -0,004 | +0,227 | + 0,251 | 239                         | 41 20,632  | -4,679                           | "                   | -29                | 41 15,924  |
| 12                    | M. 722                               | "          | 52 13,567  | 11                           | 50 56,255  | -0,007 | +0,204 | + 0,234 | 240                         | 50 6,446   | -4,383                           | "                   | -41                | 50 2,022   |
| 13                    | β Lyrae                              | "          | 18 48 34,060   | 22                           | 18 47 16,711   | -0,026 | +0,079 | + 0,266 | 217                         | 18 46 26,817   |                                  |                     | + 4                |  |
| 14                    | ε Serpentis pr.                      | "          | 53 26,002  | 7                            | 52 8,650   | -0,015 | +0,152 | + 0,223 | 214                         | 51 18,782  |                                  |                     | - 14               |  |
| 15                    | H 17 56 <sup>m</sup> 0 <sup>s</sup>  | "          | 57 17,354  | 24                           |  |        |        |         |                             |  |                                  |                     |                    |  |
| 16                    | ξ Aquilae                            | "          | 19 2 59,835  | 19                           | 19 1 42,477  | -0,019 | +0,131 | + 0,230 | 250                         | 19 0 52,579  |                                  |                     | + 10               |  |
| Juli 11 Arm Ost.      |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                     |                    |  |
| 1                     | H 17 47 <sup>m</sup> 25 <sup>s</sup> | P          | 16 48 43,102   | 24                           |  |        |        |         |                             |  |                                  |                     |                    |  |
| 2                     | 24 Ophiuchi                          | "          | 52 58,355  | 11                           | 16 51 40,250   | -0,007 | +0,238 | + 0,227 | 50,242                      | 16 50 50,466   | -4,359                           | 0,000               | - 16               | 16 50 46,091   |
| 3                     | H 46 58 <sup>m</sup> 30 <sup>s</sup> | "          | 17 0 37,512  | 25                           | 59 19,403  |        |        |         |                             |  |                                  |                     |                    |  |
| 4                     | η Ophiuchi                           | "          | 6 50,629   | 11                           | 17 5 32,515  | -0,009 | +0,216 | + 0,219 | 245                         | 17 4 42,696  | -4,183                           | "                   | + 5                | 17 4 38,518  |
| 5                     | 36 Ophiuchi p.a.                     | "          | 11 24,237  | 11                           | 10 6,120   | -0,005 | +0,246 | + 0,236 | 245                         | 9 16,352   | -4,548                           | "                   | - 15               | 9 11,789   |
| 6                     | Saturn I d                           | "          | 24 30,616  | 11                           | 23 12,492  | -0,007 | +0,230 | + 0,226 | 248                         | 22 22,693  | -4,395                           | "                   | - 47               | 22 18,251  |
| 7                     | 51 Ophiuchi                          | "          | 27 31,221  | 8                            | 26 13,095  | -0,006 | +0,237 | + 0,231 | 248                         | 25 23,309  | -4,504                           | "                   | - 11               | 25 18,794  |
| 8                     | X Sagittarii                         | "          | 43 28,533  | 11                           | 42 10,397  | -0,004 | +0,248 | + 0,239 | 251                         | 41 20,629  | -4,688                           | "                   | - 13               | 41 15,928  |
| 9                     | M. 722                               | "          | 52 14,380  | 11                           | 50 56,239  | -0,007 | +0,223 | + 0,224 | 253                         | 50 6,426   | -4,393                           | "                   | - 22               | 50 2,011   |
| 10                    | Saturn II a                          | "          | 18 3 23,941  | 11                           | 18 2 5,793   | -0,006 | +0,229 | + 0,228 | 254                         | 18 1 15,990  | -4,496                           | "                   | - 23               | 18 1 11,471  |
| 11                    | " c                                  | "          | 6 54,655   | 11                           | 5 36,504   | -0,005 | +0,230 | + 0,229 | 255                         | 4 46,703   | -4,528                           | "                   | - 54               | 4 42,121   |
| 12                    | " e                                  | "          | 9 59,421   | 11                           | 8 41,268   | -0,006 | +0,227 | + 0,227 | 256                         | 7 51,460   | -4,494                           | "                   | - 4                | 7 46,962   |
| 13                    | " g                                  | "          | 12 40,179  | 11                           | 11 22,024  | -0,005 | +0,234 | + 0,232 | 256                         | 10 32,229  | -4,592                           | "                   | - 47               | 10 27,590  |
| 14                    | " i                                  | "          | 18 11,791  | 11                           | 16 53,633  | -0,005 | +0,232 | + 0,230 | 257                         | 16 3,833   | -4,564                           | "                   | - 36               | 15 59,233  |
| 15                    | λ Sagittarii                         | "          | 24 0,560   | 11                           | 22 42,399  | -0,004 | +0,239 | + 0,235 | 258                         | 21 52,611  | -4,657                           | "                   | + 1                | 21 47,955  |
| 16                    | Br. 2335                             | "          | 35 8,125   | 11                           | 33 49,957  | -0,005 | +0,226 | + 0,228 | 261                         | 33 0,145   | -4,514                           | "                   | - 18               | 32 55,613  |
| 17                    | H 17 37 <sup>m</sup> 10 <sup>s</sup> | "          | 38 28,170  | 25                           |  |        |        |         |                             |  |                                  |                     |                    |  |
| Juli 12 Arm Ost.      |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                     |                    |  |
| 1                     | Polaris U.C.m.P.                     | P          | —  | 17                           | 13 23 55,40  | +1,41  | +6,18  | - 9,38  | 50,73                       | 13 23 2,88   |                                  |                     |                    |  |
| 2                     | " " o.P.                             | "          | —  | 19                           | 23 54,07   | "      | "      | "       | 73                          | 23 1,55  |                                  |                     |                    |  |
| 3                     | 24 Ophiuchi                          | B          | 16 52 59,705   | 9                            | 16 51 40,704   | -0,011 | +0,245 | + 0,225 | 50,751                      | 16 50 50,412   | -4,361                           | 0,000               | - 34               | 16 50 46,017   |
| 4                     | η Ophiuchi                           | "          | 17 6 52,065  | 9                            | 17 5 33,953  | -0,015 | +0,225 | + 0,216 | 754                         | 17 4 42,725  | -4,186                           | "                   | + 12               | 17 4 38,551  |
| 5                     | H 17 12 <sup>m</sup> 0 <sup>s</sup>  | "          | 13 19,018  | 24                           |  |        |        |         |                             |  |                                  |                     |                    |  |
| 6                     | Saturn I b                           | "          | 19 14,731  | 5                            | 17 55,709  | -0,012 | +0,237 | + 0,222 | 756                         | 17 5,400   | -4,360                           | "                   | - 98               | 17 0,942   |
| 7                     | " d                                  | "          | 24 32,186  | 8                            | 23 13,159  | -0,012 | +0,239 | + 0,223 | 758                         | 22 22,851  | -4,400                           | "                   | - 85               | 22 18,366  |
| 8                     | 51 Ophiuchi                          | "          | 27 32,724  | 6                            | 26 13,695  | -0,010 | +0,248 | + 0,228 | 759                         | 25 23,402  | -4,509                           | "                   | - 24               | 25 18,869  |
| 10                    | M. 722                               | "          | 52 15,917  | 3                            | 50 56,867  | -0,012 | +0,233 | + 0,221 | 764                         | 50 6,545   | -4,400                           | "                   | - 41               | 50 2,104   |
| 11                    | Saturn II a                          | "          | 18 3 25,320  | 11                           | 18 2 6,261   | -0,010 | +0,240 | + 0,225 | 767                         | 18 1 15,949  | -4,505                           | "                   | - 42               | 18 1 11,402  |
| 12                    | " d                                  | "          | 7 51,158   | 11                           | 6 32,095   | -0,009 | +0,247 | + 0,228 | 768                         | 5 41,793   | -4,588                           | "                   | - 30               | 5 37,175   |
| 13                    | " f                                  | "          | 10 29,364  | 10                           | 9 10,299   | -0,010 | +0,241 | + 0,225 | 769                         | 8 19,986   | -4,524                           | "                   | - 34               | 8 15,428   |
| 14                    | " h                                  | "          | 14 8,682   | 11                           | 12 49,613  | -0,009 | +0,243 | + 0,226 | 769                         | 11 59,304  | -4,550                           | "                   | -106               | 11 54,648  |
| 15                    | H 46 19 <sup>m</sup> 0 <sup>s</sup>  | "          | 21 8,876   | 26                           | 19 49,801  |        |        |         |                             |  |                                  |                     |                    |  |
| 16                    | λ Sagittarii                         | "          | 24 2,008   | 11                           | 22 42,931  | -0,007 | +0,252 | + 0,233 | 771                         | 21 52,638  | -4,667                           | "                   | + 3                | 21 47,974  |
| 17                    | Br. 2335                             | "          | 35 9,564   | 11                           | 33 50,478  | -0,009 | +0,239 | + 0,225 | 774                         | 33 0,159   | -4,525                           | "                   | - 37               | 32 55,597  |
| 18                    | 110 Herculis                         | "          | 43 34,660  | 23                           | 42 15,568  | -0,025 | +0,131 | + 0,224 | 739                         | 41 25,152  |                                  |                     | - 7                |  |
| 19                    | β Lyrae                              | "          | 48 36,378  | 23                           | 47 17,281  | -0,031 | +0,090 | + 0,251 | 766                         | 46 26,829  |                                  |                     | + 4                |  |

Juli 11. Luft 2-3, bei tieferen Sternen viel schlechter; (6) und (13) bei abgeschwächter Feldbeleuchtung kaum sichtbar. Juli 12. (1) und (2) Luft 3, Juli 12 B. Luft 4; (9) A. R. verloren durch schlechtes Functioniren des Registrirapparates.

| Nr.                                       | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich        | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17       | i I.   | k. K.  | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                    | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Præcession | Helligk.<br>Gleichung | Rectascension<br>1900,0                             |
|---|--------------------------------------|------------|---|------------------------------|--|--------|--------|---------|-----------------------------|---|----------------------------------|--------------------|-----------------------|---|
| <b>1900 Juli 12 (Forts.)</b>              |                                      |            |   |                              |  |        |        |         |                             |   |                                  |                    |                       |   |
| 20  | ε Serpentis pr.                      | B          | 18 <sup>h</sup> 53 <sup>m</sup> 28 <sup>s</sup> 344 | 21                           | 18 <sup>h</sup> 52 <sup>m</sup> 9 <sup>s</sup> 243 | -0,018 | +0,174 | + 0,210 | -0 <sup>m</sup><br>50,791   | 13 <sup>h</sup> 51 <sup>m</sup> 18 <sup>s</sup> 804 |                                  |                    | - 14                  |   |
| 21  | γ Lyrae                              | „          | 57 25,308   | 23                           | 56 6,204   | -0,029 | +0,093 | + 0,250 | 785                         | 55 15,740   |                                  |                    | + 7                   |   |
| 22  | ζ Aquilae                            | „          | 19 3 2,169  | 21                           | 19 1 43,060  | -0,021 | +0,149 | + 0,217 | 812                         | 19 0 52,603   |                                  |                    | + 10                  |   |
| 23  | ν Lyrae                              | „          | 5 57,080  | 18                           | 4 37,968   | -0,031 | +0,080 | + 0,261 | 706                         | 3 47,552  |                                  |                    | - 20                  |   |
| 24  | H 17 8 <sup>m</sup> 0 <sup>s</sup>   | „          | 9 19,115  | 26                           |  |        |        |         |                             |   |                                  |                    |                       |   |
| <b>Juli 13 Arm Ost.</b>                   |                                      |            |   |                              |  |        |        |         |                             |   |                                  |                    |                       |   |
| 1   | η Serpentis                          | P          | 18 18 22,619  | 23                           | 18 17 2,552  | -0,026 | +0,216 | + 0,213 | 50,860                      | 18 16 12,097  |                                  |                    | + 2                   |   |
| 2   | 109 Herculis                         | „          | 21 40,371   | 23                           | 20 20,302  | -0,042 | +0,143 | + 0,229 | 821                         | 19 29,810   |                                  |                    | - 1                   |   |
| 3   | H 46 22 <sup>m</sup> 35 <sup>s</sup> | „          | 24 45,170   | 25                           | 23 25,099  |        |        |         |                             |   |                                  |                    |                       |   |
| 4   | H 17 27 <sup>m</sup> 0 <sup>s</sup>  | „          | 28 20,074   | 25                           |  |        |        |         |                             |   |                                  |                    |                       |   |
| 5   | α Lyrae                              | „          | 35 47,232   | 23                           | 34 27,153  | -0,056 | +0,079 | + 0,273 | 844                         | 33 36,627   |                                  |                    | + 22                  |   |
| <b>Juli 17 Arm Ost.</b>                   |                                      |            |   |                              |  |        |        |         |                             |   |                                  |                    |                       |   |
| 1   | H 17 45 <sup>m</sup> 30 <sup>s</sup> | P          | 16 46 54,506  | 25                           |  |        |        |         |                             |   |                                  |                    |                       |   |
| 2   | 24 Ophiuchi                          | „          | 53 5,987  | 10                           | 16 51 41,476                                       | -0,021 | +0,328 | + 0,229 | 51,593                      | 16 50 50,419  | -4,329                           | 0,000              | - 16                  | 16 <sup>h</sup> 50 <sup>m</sup> 46 <sup>s</sup> 074 |
| 3   | η Ophiuchi                           | „          | 17 6 58,315   | 11                           | 17 5 33,793  | -0,030 | +0,301 | + 0,220 | 595                         | 17 4 42,689   | -4,161                           | „                  | + 5                   | 17 4 38,533   |
| 4   | 36 Ophiuchi p.a.                     | „          | 11 31,889   | 11                           | 10 7,364   | -0,017 | +0,343 | + 0,237 | 595                         | 9 16,332  | -4,526                           | „                  | - 15                  | 9 11,791  |
| 5   | Saturn I d                           | „          | 24 38,302   | 11                           | 23 13,766  | -0,024 | +0,320 | + 0,227 | 596                         | 22 22,693   | -4,381                           | „                  | - 47                  | 22 18,265   |
| 6   | 51 Ophiuchi                          | „          | 27 38,861   | 11                           | 26 14,323  | -0,020 | +0,332 | + 0,233 | 597                         | 25 23,271   | -4,492                           | „                  | - 11                  | 25 18,768   |
| 7   | H 46 35 <sup>m</sup> 40 <sup>s</sup> | „          | 37 55,716   | 25                           | 36 31,170  |        |        |         |                             |   |                                  |                    |                       |   |
| 8   | X Sagittarii                         | „          | 43 36,203   | 11                           | 42 11,653  | -0,015 | +0,349 | + 0,241 | 598                         | 41 20,630   | -4,684                           | „                  | - 13                  | 41 15,933   |
| 9   | M. 722                               | „          | 52 22,079   | 8                            | 50 57,522  | -0,027 | +0,313 | + 0,226 | 599                         | 50 6,435  | -4,394                           | „                  | - 22                  | 50 2,019  |
| 10  | Saturn II b                          | „          | 18 4 1,269  | 11                           | 18 2 36,703  | -0,021 | +0,330 | + 0,233 | 600                         | 18 1 45,645   | -4,560                           | „                  | - 63                  | 18 1 41,022   |
| 11  | „ d                                  | „          | 7 57,370  | 11                           | 6 32,801   | -0,021 | +0,332 | + 0,235 | 601                         | 5 41,746  | -4,588                           | „                  | - 14                  | 5 37,144  |
| 12  | „ f                                  | „          | 10 35,640   | 9                            | 9 11,070   | -0,023 | +0,325 | + 0,232 | 601                         | 8 20,003  | -4,526                           | „                  | - 16                  | 8 15,461  |
| 13  | „ h                                  | „          | 14 14,870   | 9                            | 12 50,297  | -0,022 | +0,327 | + 0,233 | 601                         | 11 59,234   | -4,554                           | „                  | - 58                  | 11 54,622   |
| 14  | „ i                                  | „          | 18 19,502   | 8                            | 16 54,926  | -0,022 | +0,329 | + 0,233 | 602                         | 16 3,864  | -4,580                           | „                  | - 36                  | 15 59,248   |
| 15  | λ Sagittarii                         | „          | 24 8,269  | 11                           | 22 43,687  | -0,019 | +0,340 | + 0,238 | 602                         | 21 52,644   | -4,676                           | „                  | + 1                   | 21 47,969   |
| 16  | Br. 2335                             | „          | 35 15,867   | 11                           | 33 51,277  | -0,024 | +0,322 | + 0,230 | 603                         | 33 0,202  | -4,539                           | „                  | - 18                  | 32 55,645   |
| 17  | H 17 37 <sup>m</sup> 0 <sup>s</sup>  | „          | 38 24,592   | 25                           |  |        |        |         |                             |   |                                  |                    |                       |   |
| <b>Juli 21 Arm Ost.</b>                   |                                      |            |   |                              |  |        |        |         |                             |   |                                  |                    |                       |   |
| 1   | 24 Ophiuchi                          | B          | 16 53 11,646  | 11                           | 16 51 42,412                                       | -0,021 | +0,436 | + 0,225 | 52,662                      | 16 50 50,390  | -4,305                           | 0,000              | - 34                  | 16 50 46,051  |
| 2   | η Ophiuchi                           | „          | 17 7 3,995  | 11                           | 17 5 34,750  | -0,030 | +0,401 | + 0,215 | 665                         | 17 4 42,671   | -4,141                           | „                  | + 12                  | 17 4 38,542   |
| 3   | H 17 9 <sup>m</sup> 0 <sup>s</sup>   | „          | 10 29,247   | 24                           |  |        |        |         |                             |   |                                  |                    |                       |   |
| 4   | Saturn I b                           | „          | 19 26,646   | 11                           | 17 57,393  | -0,025 | +0,422 | + 0,222 | 666                         | 17 5,346  | -4,322                           | „                  | - 98                  | 17 0,926  |
| 5   | „ c                                  | „          | 26 15,330   | 10                           | 24 46,071  | -0,026 | +0,419 | + 0,220 | 667                         | 23 54,017   | -4,325                           | „                  | - 127                 | 23 49,565   |
| 6   | X Sagittarii                         | „          | 43 41,894   | 10                           | 42 12,622  | -0,015 | +0,465 | + 0,235 | 669                         | 41 20,638   | -4,674                           | „                  | - 29                  | 41 15,935   |
| 7   | M. 722                               | „          | 52 27,804   | 10                           | 50 58,526  | -0,027 | +0,418 | + 0,220 | 670                         | 50 6,467  | -4,387                           | „                  | - 41                  | 50 2,039  |
| 8   | Saturn II b                          | „          | 18 4 6,982  | 11                           | 18 2 37,695  | -0,022 | +0,440 | + 0,226 | 672                         | 18 1 45,667   | -4,557                           | „                  | - 114                 | 18 1 40,996   |
| 9   | „ d                                  | „          | 8 3,106   | 11                           | 6 33,816   | -0,021 | +0,444 | + 0,228 | 673                         | 5 41,794  | -4,588                           | „                  | - 30                  | 5 37,176  |
| 10  | „ f                                  | „          | 10 41,345   | 10                           | 9 12,033   | -0,023 | +0,434 | + 0,225 | 673                         | 8 20,016  | -4,526                           | „                  | - 34                  | 8 15,456  |
| 11  | „ h                                  | „          | 14 20,650   | 8                            | 12 51,355  | -0,022 | +0,438 | + 0,226 | 673                         | 11 59,324   | -4,555                           | „                  | - 106                 | 11 54,663   |
| 12  | λ Sagittarii                         | „          | 24 14,003   | 11                           | 22 44,701  | -0,019 | +0,454 | + 0,232 | 674                         | 21 52,694   | -4,680                           | „                  | + 3                   | 21 48,017   |
| 13  | H 46 27 <sup>m</sup> 0 <sup>s</sup>  | „          | 29 21,672   | 25                           | 27 52,366  |        |        |         |                             |   |                                  |                    |                       |   |
| 14  | Br. 2335                             | „          | 35 21,591   | 11                           | 33 52,280  | -0,024 | +0,432 | + 0,224 | 676                         | 33 0,236  | -4,548                           | „                  | - 37                  | 32 55,651   |
| 15  | 110 Herculis                         | „          | 43 46,767   | 23                           | 42 17,450  | -0,073 | +0,236 | + 0,223 | 678                         | 41 25,151   |                                  |                    | - 7                   |   |
| <b>Juli 17. Luft zuerst 2, nachher 1.</b> |                                      |            |   |                              |  |        |        |         |                             |   |                                  |                    |                       |   |

| Nr.                   | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich         | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17         | i I.                | k K.                | c C.                 | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                     | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0                              |
|-----------------------|--------------------------------------|------------|--|------------------------------|--|---------------------|---------------------|----------------------|-----------------------------|--|----------------------------------|---------------------|-----------------------|--|
| 1900 Juli 21 (Forts.) |                                      |            |  |                              |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 16                    | $\beta$ Lyrae                        | B          | 18 <sup>h</sup> 48 <sup>m</sup> 48 <sup>s</sup> .470 | 23                           | 18 <sup>h</sup> 47 <sup>m</sup> 19 <sup>s</sup> .149 | -0 <sup>s</sup> 090 | +0 <sup>s</sup> 164 | + 0 <sup>s</sup> 250 | 52 <sup>s</sup> 659         | 18 <sup>h</sup> 46 <sup>m</sup> 26 <sup>s</sup> .818 |                                  |                     | + 4                   |  |
| 17                    | $\epsilon$ Serpentis pr.             | "          | 53 40,357  | 23                           | 52 11,032  | -0,054              | +0,314              | + 0,209              | 662                         | 51 18,825  |                                  |                     | - 14                  |  |
| 18                    | $\gamma$ Lyrae                       | "          | 57 37,383  | 23                           | 56 8,056   | -0,089              | +0,168              | + 0,249              | 646                         | 55 15,745  |                                  |                     | + 7                   |  |
| 19                    | $\lambda$ Aquilae                    | "          | 19 3 22,153  | 23                           | 19 1 52,822  | -0,043              | +0,357              | + 0,211              | 694                         | 19 0 0,653   |                                  |                     | 0                     |  |
| 20                    | H 17 7 <sup>m</sup> 0 <sup>s</sup>   | "          | 8 29,335   | 24                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 21                    | $\omega$ Aquilae                     | "          | 15 32,762  | 23                           | 14 3,421   | -0,063              | +0,282              | + 0,214              | 625                         | 13 11,209  |                                  |                     | - 20                  |  |
| Juli 25 Arm Ost.      |                                      |            |  |                              |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 1                     | $\delta$ Ophiuchi                    | B          | 17 27 49,930   | 5                            | 17 26 16,257   | -0,021              | +0,425              | + 0,216              | 53,559                      | 17 25 23,318   | -4 <sup>s</sup> 481              | 0 <sup>s</sup> 000  | - 24                  | 17 <sup>h</sup> 25 <sup>m</sup> 18 <sup>s</sup> .813 |
| 2                     | H 17 32 <sup>m</sup> 0 <sup>s</sup>  | "          | 33 33,678  | 23                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 3                     | X Sagittarii                         | "          | 43 47,312  | 8                            | 42 13,624  | -0,016              | +0,446              | + 0,224              | 563                         | 41 20,715  | -4,683                           | "                   | - 29                  | 41 16,003  |
| 4                     | H 46 47 <sup>m</sup> 0 <sup>s</sup>  | "          | 49 27,178  | 26                           | 47 53,485  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 5                     | M. 722                               | "          | 52 33,196  | 7                            | 50 59,500  | -0,028              | +0,400              | + 0,209              | 565                         | 50 6,516   | -4,398                           | "                   | - 41                  | 50 2,077   |
| 7                     | Saturn II c                          | "          | 18 7 13,535  | 11                           | 18 5 39,826  | -0,024              | +0,417              | + 0,215              | 568                         | 18 4 46,866  | -4,552                           | "                   | - 98                  | 18 4 42,216  |
| 8                     | " e                                  | "          | 10 18,244  | 8                            | 8 44,532   | -0,025              | +0,411              | + 0,213              | 569                         | 7 51,562   | -4,521                           | "                   | - 10                  | 7 47,031   |
| 9                     | " i                                  | "          | 18 30,614  | 9                            | 16 56,894  | -0,022              | +0,421              | + 0,216              | 570                         | 16 3,939   | -4,603                           | "                   | - 63                  | 15 59,273  |
| 10                    | $\lambda$ Sagittarii                 | "          | 24 19,356  | 7                            | 22 45,630  | -0,019              | +0,433              | + 0,220              | 571                         | 21 52,693  | -4,704                           | "                   | + 3                   | 21 47,992  |
| 11                    | Br. 2335                             | "          | 35 26,960  | 5                            | 33 53,224  | -0,025              | +0,411              | + 0,213              | 574                         | 33 0,249   | -4,574                           | "                   | - 37                  | 32 55,638  |
| 12                    | $\alpha$ Aquilae                     | "          | 19 48 25,137   | 8                            | 19 46 51,333   | -0,059              | +0,279              | + 0,204              | 583                         | 19 45 58,246   |                                  |                     | + 72                  |  |
| 13                    | $\beta$ Aquilae                      | "          | 52 55,028  | 10                           | 51 21,219  | -0,056              | +0,290              | + 0,203              | 569                         | 50 28,086  |                                  |                     | - 1                   |  |
| 14                    | $\gamma$ Sagittae                    | "          | 56 49,440  | 21                           | 55 15,628  | -0,071              | +0,232              | + 0,214              | 556                         | 54 22,448  |                                  |                     | + 1                   |  |
| 15                    | $\epsilon$ Aquilae                   | "          | 20 8 39,755  | 23                           | 20 7 5,933   | -0,048              | +0,322              | + 0,203              | 571                         | 20 6 12,843  |                                  |                     | + 4                   |  |
| 16                    | $\alpha^2$ Capricorni                | "          | 15 1,624   | 23                           | 13 27,795  | -0,035              | +0,373              | + 0,208              | 572                         | 12 34,765  |                                  |                     | - 4                   |  |
| 17                    | $\beta$ Capricorni                   | "          | 17 54,843  | 23                           | 16 21,011  | -0,032              | +0,383              | + 0,210              | 569                         | 15 28,004  |                                  |                     | + 1                   |  |
| 18                    | $\gamma$ Cygni                       | "          | 21 9,168   | 21                           | 19 35,333  | -0,102              | +0,111              | + 0,265              | 490                         | 18 42,143  |                                  |                     | + 26                  |  |
| 19                    | H 17 24 <sup>m</sup> 0 <sup>s</sup>  | "          | 25 33,840  | 25                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| Juli 31 Arm Ost.      |                                      |            |  |                              |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 1                     | H 46 22 <sup>m</sup> 0 <sup>s</sup>  | B          | 17 24 34,771   | 27                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 2                     | $\alpha$ Ophiuchi                    | "          | 32 55,594  | 23                           | 17 31 15,932   | -0,044              | +0,237              | + 0,222              | 55,325                      | 17 30 21,048   |                                  |                     | + 26                  |  |
| 3                     | H 17 35 <sup>m</sup> 0 <sup>s</sup>  | "          | 36 39,664  | 25                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 4                     | $\beta$ Ophiuchi                     | "          | 41 10,220  | 23                           | 39 30,553  | -0,037              | +0,269              | + 0,218              | 379                         | 38 35,636  |                                  |                     | + 12                  |  |
| 5                     | $\mu$ Herculis                       | "          | 45 10,601  | 23                           | 43 30,932  | -0,057              | +0,170              | + 0,245              | 349                         | 42 35,945  |                                  |                     | + 4                   |  |
| August 7 Arm West.    |                                      |            |  |                              |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 1                     | $\zeta$ Ophiuchi                     | P          | 16 34 26,137   | 23                           | 16 32 41,384   | -0,019              | -0,114              | - 0,249              | 58,262                      | 16 31 42,744   |                                  |                     | + 4                   |  |
| 2                     | $\xi$ Herculis                       | "          | 40 17,129  | 19                           | 38 32,372  | -0,045              | -0,052              | - 0,288              | 188                         | 37 33,804  |                                  |                     | + 5                   |  |
| 3                     | $\eta$ Herculis                      | "          | 42 14,043  | 17                           | 40 29,285  | -0,051              | -0,037              | - 0,316              | 188                         | 39 30,694  |                                  |                     | + 1                   |  |
| 4                     | H 46 42 <sup>m</sup> 20 <sup>s</sup> | "          | 45 2,203   | 25                           | 43 17,443  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 5                     | 49 Herculis                          | "          | 50 18,231  | 20                           | 48 33,469  | -0,034              | -0,079              | - 0,254              | 223                         | 47 34,860  |                                  |                     | - 19                  |  |
| 6                     | H 17 52 <sup>m</sup> 10 <sup>s</sup> | "          | 53 54,764  | 24                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| August 11 Arm West.   |                                      |            |  |                              |  |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 1                     | H 46 37 <sup>m</sup> 30 <sup>s</sup> | P          | 19 40 16,919   | 25                           | 19 38 28,822   |                     |                     |                      |                             |  |                                  |                     |                       |  |
| 2                     | $\gamma$ Aquilae                     | "          | 44 22,316  | 23                           | 42 34,217  | -0,036              | -0,097              | - 0,255              | 59,545                      | 19 41 34,289   |                                  |                     | + 5                   |  |
| 3                     | $\alpha$ Aquilae                     | "          | 48 46,338  | 22                           | 46 58,237  | -0,035              | -0,100              | - 0,254              | 587                         | 45 58,278  |                                  |                     | + 17                  |  |
| 4                     | $\beta$ Aquilae                      | "          | 53 16,190  | 22                           | 51 28,086  | -0,034              | -0,104              | - 0,253              | 573                         | 50 28,121  |                                  |                     | - 1                   |  |
| 5                     | H 17 54 <sup>m</sup> 40 <sup>s</sup> | "          | 56 28,106  | 25                           |  |                     |                     |                      |                             |  |                                  |                     |                       |  |

Juli 25. Luft 2-3; zuerst neblig. Mehrere Signale nicht auf dem Registrirapparat verzeichnet; (6) deswegen nur in Decl.  
 August 7. Ohne künstliche Feldbeleuchtung.

| Nr.                             | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich        | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17        | i I.   | k K.   | c C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                    | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Precession | Helligk.<br>Gleichung | Rectascension<br>1900,0                             |
|---------------------------------|--------------------------------------|------------|---|------------------------------|---|--------|--------|--------|-----------------------------|---|----------------------------------|--------------------|-----------------------|---|
| <b>1900 August 13 Arm West.</b> |                                      |            |   |                              |   |        |        |        |                             |   |                                  |                    |                       |   |
| 1                               | H 17 22 <sup>m</sup> 10 <sup>s</sup> | P          | 17 <sup>h</sup> 23 <sup>m</sup> 59 <sup>s</sup> 661 | 24                           |   |        |        |        | —0 <sup>m</sup>             |   |                                  |                    |                       |   |
| 2                               | 51 Ophiuchi                          | „          | 28 13,129   | 11                           | 17 <sup>h</sup> 26 <sup>m</sup> 23 <sup>s</sup> 465 | —0,013 | —0,173 | —0,261 | 59,902                      | 17 <sup>h</sup> 25 <sup>m</sup> 23 <sup>s</sup> 116 | —4,293                           | 0,000              | — 11                  | 17 <sup>h</sup> 25 <sup>m</sup> 18 <sup>s</sup> 812 |
| 3                               | X Sagittarii                         | „          | 44 10,529   | 11                           | 42 20,854   | —0,009 | —0,181 | —0,271 | 904                         | 41 20,489   | —4,509                           | „                  | — 13                  | 41 15,967   |
| 4                               | M. 722                               | „          | 52 56,342   | 11                           | 51 6,660  | —0,014 | —0,162 | —0,253 | 905                         | 50 6,326  | —4,248                           | „                  | — 22                  | 50 2,056  |
| 5                               | Saturn II <i>b</i>                   | „          | 18 4 35,573   | 11                           | 18 2 45,883   | —0,011 | —0,170 | —0,261 | 906                         | 18 1 45,535   | —4,435                           | „                  | — 63                  | 18 1 41,037   |
| 6                               | „ <i>c</i>                           | „          | 7 36,650  | 7                            | 5 46,958  | —0,011 | —0,168 | —0,261 | 907                         | 4 46,611  | —4,420                           | „                  | — 54                  | 4 42,137  |
| 7                               | „ <i>e</i>                           | „          | 10 41,397   | 7                            | 8 51,703  | —0,011 | —0,166 | —0,258 | 907                         | 7 51,361  | —4,394                           | „                  | — 4                   | 7 46,963  |
| 8                               | „ <i>g</i>                           | „          | 13 22,199   | 4                            | 11 32,503   | —0,010 | —0,172 | —0,264 | 907                         | 10 32,150   | —4,499                           | „                  | — 47                  | 10 27,604   |
| 9                               | „ <i>i</i>                           | „          | 18 53,823   | 11                           | 17 4,123  | —0,010 | —0,170 | —0,262 | 908                         | 16 3,773  | —4,487                           | „                  | — 36                  | 15 59,250   |
| 10                              | λ Sagittarii                         | „          | 24 42,629   | 11                           | 22 52,925   | —0,008 | —0,175 | —0,267 | 908                         | 21 52,567   | —4,594                           | „                  | + 1                   | 21 47,974   |
| 11                              | H 46 28 <sup>m</sup> 50 <sup>s</sup> | „          | 31 39,298   | 25                           |   |        |        |        |                             |   |                                  |                    |                       |   |
| 12                              | Br. 2335                             | „          | 35 50,196   | 11                           | 34 0,484  | —0,010 | —0,165 | —0,258 | 909                         | 33 0,142  | —4,485                           | „                  | — 18                  | 32 55,639   |
| 13                              | A.G.Leiden6797                       | „          | 40 1,026  | 11                           | 38 11,311   | —0,033 | —0,067 | —0,283 | 910                         | 37 11,018   | —3,378                           | „                  | — 56                  | 37 7,584  |
| 14                              | 110 Hercules                         | „          | 44 15,055   | 11                           | 42 25,337   | —0,027 | —0,090 | —0,257 | 914                         | 41 25,046   |                                  |                    | — 3                   |   |
| 15                              | β Lyrae                              | „          | 49 16,637   | 11                           | 47 26,915   | —0,032 | —0,062 | —0,289 | 875                         | 46 26,659   |                                  |                    | + 2                   |   |
| 16                              | γ Lyrae                              | „          | 58 5,587  | 11                           | 56 15,858   | —0,029 | —0,064 | —0,287 | 872                         | 55 15,609   |                                  |                    | + 3                   |   |
| 17                              | H 17 0 <sup>m</sup> 20 <sup>s</sup>  | „          | 19 2 9,731  | 25                           |   |        |        |        |                             |   |                                  |                    |                       |   |
| <b>August 14 Arm West.</b>      |                                      |            |   |                              |   |        |        |        |                             |   |                                  |                    |                       |   |
| 1                               | H 17 18 <sup>m</sup> 50 <sup>s</sup> | P          | 17 20 40,588  | 24                           |   |        |        |        | —1 <sup>m</sup>             |   |                                  |                    |                       |   |
| 2                               | 51 Ophiuchi                          | „          | 28 14,229   | 11                           | 17 26 23,636  | —0,008 | —0,184 | —0,264 | 0,095                       | 17 25 23,085  | —4,275                           | 0,000              | — 11                  | 17 25 18,799  |
| 3                               | X Sagittarii                         | „          | 44 11,626   | 11                           | 42 21,024   | —0,006 | —0,193 | —0,274 | 096                         | 41 20,455   | —4,492                           | „                  | — 13                  | 41 15,950   |
| 4                               | M. 722                               | „          | 52 57,442   | 10                           | 51 6,834  | —0,011 | —0,174 | —0,256 | 097                         | 50 6,296  | —4,232                           | „                  | — 22                  | 50 2,042  |
| 5                               | Saturn II <i>b</i>                   | „          | 18 4 36,661   | 11                           | 18 2 46,046   | —0,009 | —0,184 | —0,264 | 098                         | 18 1 45,491   | —4,419                           | „                  | — 63                  | 18 1 41,009   |
| 6                               | „ <i>c</i>                           | „          | 7 37,784  | 10                           | 5 47,167  | —0,010 | —0,182 | —0,263 | 099                         | 4 46,613  | —4,404                           | „                  | — 54                  | 4 42,155  |
| 7                               | „ <i>e</i>                           | „          | 10 42,526   | 11                           | 8 51,908  | —0,010 | —0,179 | —0,260 | 100                         | 7 51,359  | —4,379                           | „                  | — 4                   | 7 46,976  |
| 8                               | „ <i>g</i>                           | „          | 13 23,345   | 11                           | 11 32,725   | —0,009 | —0,186 | —0,266 | 100                         | 10 32,164   | —4,483                           | „                  | — 47                  | 10 27,634   |
| 9                               | „ <i>i</i>                           | „          | 18 54,984   | 8                            | 17 4,361  | —0,009 | —0,184 | —0,264 | 101                         | 16 3,803  | —4,472                           | „                  | — 36                  | 15 59,295   |
| 10                              | λ Sagittarii                         | „          | 24 43,748   | 11                           | 22 53,121   | —0,008 | —0,189 | —0,269 | 101                         | 21 52,554   | —4,579                           | „                  | + 1                   | 21 47,976   |
| 11                              | Br. 2335                             | „          | 35 51,276   | 11                           | 34 0,643  | —0,010 | —0,181 | —0,262 | 102                         | 33 0,088  | —4,472                           | „                  | — 18                  | 32 55,598   |
| 12                              | A.G.Leiden6797                       | „          | 40 2,097  | 11                           | 38 11,461   | —0,036 | —0,073 | —0,286 | 103                         | 37 10,963   | —3,366                           | „                  | — 56                  | 37 7,541  |
| 13                              | 110 Hercules                         | „          | 44 16,189   | 11                           | 42 25,551   | —0,030 | —0,099 | —0,260 | 126                         | 41 25,033   |                                  |                    | — 3                   |   |
| 14                              | β Lyrae                              | „          | 49 17,783   | 10                           | 47 27,142   | —0,037 | —0,069 | —0,293 | 101                         | 46 26,644   |                                  |                    | + 2                   |   |
| 15                              | H 46 50 <sup>m</sup> 20 <sup>s</sup> | „          | 53 10,666   | 24                           | 51 20,022   |        |        |        |                             |   |                                  |                    |                       |   |
| 16                              | γ Lyrae                              | „          | 58 6,709  | 11                           | 56 16,062   | —0,037 | —0,070 | —0,291 | 072                         | 55 15,595   |                                  |                    | + 3                   |   |
| 17                              | H 17 0 <sup>m</sup> 30 <sup>s</sup>  | „          | 19 2 20,649   | 24                           |   |        |        |        |                             |   |                                  |                    |                       |   |
| <b>August 15 Arm West.</b>      |                                      |            |   |                              |   |        |        |        |                             |   |                                  |                    |                       |   |
| 1                               | Polaris U.C.                         | P          | —   | 17                           | 13 24 30,14   | +1,31  | —5,77  | +10,80 | 0,46                        | 13 23 36,02   |                                  |                    |                       |   |
| 2                               | H 17 22 <sup>m</sup> 5 <sup>s</sup>  | „          | 17 23 56,468  | 24                           |   |        |        |        |                             |   |                                  |                    |                       |   |
| 3                               | 51 Ophiuchi                          | „          | 28 15,363   | 11                           | 17 26 23,892  | —0,008 | —0,200 | —0,261 | 0,311                       | 17 25 23,112  | —4,259                           | 0,000              | — 11                  | 17 25 18,842  |
| 4                               | X Sagittarii                         | „          | 44 12,662   | 11                           | 42 21,179   | —0,006 | —0,210 | —0,270 | 313                         | 41 20,380   | —4,476                           | „                  | — 13                  | 41 15,891   |
| 5                               | M. 722                               | „          | 52 58 485   | 11                           | 51 6,995  | —0,009 | —0,189 | —0,253 | 314                         | 50 6,230  | —4,218                           | „                  | — 22                  | 50 1,990  |
| 6                               | Saturn II <i>b</i>                   | „          | 18 4 37,733   | 11                           | 18 2 46,235   | —0,007 | —0,199 | —0,261 | 316                         | 18 1 45,452   | —4,405                           | „                  | — 63                  | 18 1 40,984   |
| 7                               | „ <i>c</i>                           | „          | 7 38,821  | 11                           | 5 47,320  | —0,008 | —0,197 | —0,259 | 317                         | 4 46,539  | —4,390                           | „                  | — 54                  | 4 42,095  |
| 8                               | „ <i>e</i>                           | „          | 10 43,634   | 11                           | 8 52,131  | —0,008 | —0,194 | —0,257 | 318                         | 7 51,354  | —4,366                           | „                  | — 4                   | 7 46,984  |

August 13. Luft 1—2; bisweilen Wolken. August 14. Luft 3; Wolken. August 15. Luft zuerst 2—3, nachher 3—4; alle Sterne als grosse blasser Nebel.

| Nr.  | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich               | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17              | i I.   | k K.   | c C.   | Corr. von Hohwü 17 | Scheinbare Rect-ascension                           | Red. auf Jahres-anfang | Red. f. Precession | Helligk. Gleichung | Rectascension 1900,0                                |
|--|--------------------------------------|------------|--|---------------------------|---|--------|--------|--------|--------------------|---|------------------------|--------------------|--------------------|---|
| 1900 August 15 (Forts.)  |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |   |
| 9  | Saturn II <i>g</i>                   | P          | 18 <sup>h</sup> 13 <sup>m</sup> 24 <sup>s</sup> 39,4 | 8                         | 18 <sup>h</sup> 11 <sup>m</sup> 32 <sup>s</sup> 889 | -0,007 | -0,201 | -0,263 | 0,318              | 18 <sup>h</sup> 10 <sup>m</sup> 32 <sup>s</sup> 100 | -4,470                 | 0,000              | -47                | 18 <sup>h</sup> 10 <sup>m</sup> 27 <sup>s</sup> 583 |
| 10   | „ <i>i</i>                           | „          | 18 56,033  | 11                        | 17 4,524  | -0,007 | -0,198 | -0,261 | 319                | 16 3,739  | -4,459                 | „                  | -36                | 15 59,244   |
| 11   | λ Sagittarii                         | „          | 24 44,869  | 11                        | 22 53,355   | -0,006 | -0,204 | -0,266 | 319                | 21 52,560   | -4,566                 | „                  | +1                 | 21 47,995   |
| 12   | Br. 2335                             | „          | 35 52,404  | 11                        | 34 0,882  | -0,008 | -0,194 | -0,258 | 321                | 33 0,101  | -4,460                 | „                  | -18                | 32 55,623   |
| 13   | H 46 39 <sup>m</sup> 20 <sup>s</sup> | „          | 42 12,002  | 25                        | 40 20,475   |        |        |        |                    |   |                        |                    |                    |   |
| 14   | H 17 45 <sup>m</sup> 0 <sup>s</sup>  | „          | 46 51,530  | 25                        |   |        |        |        |                    |   |                        |                    |                    |   |
| August 16 Arm West.  |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |   |
| 1  | Polaris U.C.m.P.                     | P          | —  | 13                        | 13 24 32,72   | +1,38  | -5,92  | +10,57 | 0,69               | 13 23 38,06   |                        |                    |                    |   |
| 2  | „ „ o.P.                             | „          | —  | 16                        | 24 31,38  | „      | „      | „      | 69                 | 23 36,72  |                        |                    |                    |   |
| 3  | H 17 20 <sup>m</sup> 0 <sup>s</sup>  | „          | 17 21 52,428   | 25                        |   |        |        |        |                    |   |                        |                    |                    |   |
| 4  | 51 Ophiuchi                          | „          | 28 16,541  | 11                        | 17 26 24,109  | -0,012 | -0,218 | -0,253 | 0,551              | 17 25 23,075  | -4,246                 | 0,000              | -11                | 17 25 18,818  |
| 5  | β Ophiuchi                           | „          | 41 28,886  | 18                        | 39 36,445   | -0,030 | -0,152 | -0,232 | 565                | 38 35,471   |                        |                    | +5                 |   |
| 6  | X Sagittarii                         | „          | 44 13,900  | 11                        | 42 21,458   | -0,009 | -0,229 | -0,261 | 554                | 41 20,405   | -4,464                 | „                  | -13                | 41 15,928   |
| 7  | M. 722                               | „          | 52 59,707  | 5                         | 51 7,259  | -0,015 | -0,207 | -0,245 | 556                | 50 6,236  | -4,206                 | „                  | -22                | 50 2,008  |
| 8  | Saturn II <i>a</i>                   | „          | 18 4 9,305   | 11                        | 18 2 16,850   | -0,013 | -0,213 | -0,249 | 558                | 18 1 15,817   | -4,339                 | „                  | -23                | 18 1 11,455   |
| 9  | „ <i>d</i>                           | „          | 8 35,141   | 11                        | 6 42,683  | -0,011 | -0,219 | -0,253 | 559                | 5 41,641  | -4,432                 | „                  | -14                | 5 37,195  |
| 10   | „ <i>f</i>                           | „          | 11 13,299  | 8                         | 9 20,839  | -0,013 | -0,214 | -0,250 | 560                | 8 19,802  | -4,378                 | „                  | -16                | 8 15,408  |
| 11   | „ <i>h</i>                           | „          | 14 52,638  | 10                        | 13 0,176  | -0,012 | -0,216 | -0,251 | 560                | 11 59,138   | -4,414                 | „                  | -58                | 11 54,666   |
| 12   | „ <i>i</i>                           | „          | 18 57,239  | 11                        | 17 4,775  | -0,011 | -0,218 | -0,252 | 561                | 16 3,733  | -4,449                 | „                  | -36                | 15 59,248   |
| 13   | λ Sagittarii                         | „          | 24 46,080  | 11                        | 22 53,612   | -0,010 | -0,225 | -0,257 | 562                | 21 52,558   | -4,556                 | „                  | +1                 | 21 48,003   |
| 14   | H 46 26 <sup>m</sup> 55 <sup>s</sup> | „          | 29 48,389  | 25                        | 27 55,918   |        |        |        |                    |   |                        |                    |                    |   |
| 15   | Br. 2335                             | „          | 35 53,690  | 11                        | 34 1,215  | -0,012 | -0,213 | -0,249 | 565                | 33 0,176  | -4,451                 | „                  | -18                | 32 55,707   |
| 16   | A.G.Leiden 6797                      | „          | 40 4,340   | 8                         | 38 11,862   | -0,044 | -0,087 | -0,273 | 566                | 37 10,892   | -3,339                 | „                  | -56                | 37 7,497  |
| 17   | 110 Hercules                         | „          | 44 18,462  | 11                        | 42 25,982   | -0,036 | -0,117 | -0,249 | 568                | 41 25,009   |                        |                    | -3                 |   |
| 18   | β Lyrae                              | „          | 49 20,022  | 8                         | 47 27,539   | -0,044 | -0,081 | -0,278 | 523                | 46 26,615   |                        |                    | +2                 |   |
| 19   | γ Lyrae                              | „          | 58 3,964   | 11                        | 56 16,475   | -0,042 | -0,083 | -0,276 | 509                | 55 15,568   |                        |                    | +3                 |   |
| 20   | H 17 0 <sup>m</sup> 30 <sup>s</sup>  | „          | 19 2 22,491  | 25                        |   |        |        |        |                    |   |                        |                    |                    |   |
| August 17 Arm West.  |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |   |
| 1  | Polaris U.C.o.P.                     | P          | —  | 14                        | 13 24 31,24   | +1,74  | -5,13  | +10,43 | 1,01               | 13 23 37,27   |                        |                    |                    |   |
| 2  | „ „ m.P.                             | „          | —  | 15                        | 24 31,50  | „      | „      | „      | 01                 | 23 37,53  |                        |                    |                    |   |
| 3  | η Serpentis                          | „          | 18 19 6,766  | 23                        | 18 17 13,202  | -0,026 | -0,117 | -0,228 | 0,888              | 18 16 11,945  |                        |                    | +2                 |   |
| 4  | 109 Hercules                         | „          | 22 24,376  | 23                        | 20 30,809   | -0,043 | -0,077 | -0,246 | 854                | 19 29,588   |                        |                    | -1                 |   |
| 5  | H 46 22 <sup>m</sup> 20 <sup>s</sup> | „          | 25 14,971  | 25                        | 23 21,402   |        |        |        |                    |   |                        |                    |                    |   |
| 6  | H 17 27 <sup>m</sup> 0 <sup>s</sup>  | „          | 28 53,572  | 25                        |   |        |        |        |                    |   |                        |                    |                    |   |
| 7  | z Lyrae                              | „          | 36 31,120  | 23                        | 34 37,543   | -0,057 | -0,042 | -0,292 | 878                | 33 36,296   |                        |                    | +22                |   |
| August 23 Arm West.  |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |   |
| 1  | ε Pegasi                             | P          | 21 42 24,592   | 23                        | 21 40 24,073  | -0,059 | -0,023 | -0,244 | 3,085              | 21 39 20,670  |                        |                    | +8                 |   |
| 2  | H 46 42 <sup>m</sup> 0 <sup>s</sup>  | „          | 45 4,202   | 24                        | 43 3,680  |        |        |        |                    |   |                        |                    |                    |   |
| 3  | 16 Pegasi                            | „          | 51 38,794  | 23                        | 49 38,268   | -0,078 | -0,017 | -0,267 | 024                | 48 34,874   |                        |                    | -8                 |   |
| 4  | H 17 52 <sup>m</sup> 50 <sup>s</sup> | „          | 54 50,528  | 25                        |   |        |        |        |                    |   |                        |                    |                    |   |
| 5  | z Aquarii                            | „          | 22 3 47,085  | 22                        | 22 1 46,551   | -0,048 | -0,027 | -0,241 | 071                | 22 0 43,167   |                        |                    | +3                 |   |
| August 28 Arm West.  |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |   |
| 1  | 16 Pegasi                            | P          | 21 51 44,638   | 23                        | 21 49 39,947  | -0,076 | -0,055 | -0,272 | 4,672              | 21 48 34,864  |                        |                    | -8                 |   |
| 2  | H 46 51 <sup>m</sup> 30 <sup>s</sup> | „          | 54 40,054  | 24                        | 52 35,362   |        |        |        |                    |   |                        |                    |                    |   |
| 3  | H 17 56 <sup>m</sup> 10 <sup>s</sup> | „          | 58 14,694  | 25                        |   |        |        |        |                    |   |                        |                    |                    |   |
| August 16. (1) und (2) Luft 4; am Abend Luft 2-3; (11) an der Grenze der Sichtbarkeit. August 17. (1) und (2) Luft 4; am Abend Luft 2. |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |   |

| Nr.                     | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich       | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwii 17      | i I.   | k K.   | c C.   | Corr.<br>von<br>Hohwii<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0 |
|-------------------------|--------------------------------------|------------|--|------------------------------|--|--------|--------|--------|------------------------------|--|----------------------------------|---------------------|-----------------------|-------------------------|
| 1900 August 28 (Forts.) |                                      |            |  |                              |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 4                       | α Aquarii                            | P          | 22 <sup>h</sup> 3 <sup>m</sup> 52 <sup>s</sup> 930 | 22                           | 22 <sup>h</sup> 1 <sup>m</sup> 48 <sup>s</sup> 233 | -0,046 | -0,087 | -0,246 | 4,689                        | 22 <sup>h</sup> 0 <sup>m</sup> 43 <sup>s</sup> 168 |                                  |                     | + 3                   |                         |
| 5                       | β Pegasi                             | "          | 8 23,367   | 23                           | 6 18,668   | -0,053 | -0,079 | -0,247 | 700                          | 5 13,588   |                                  |                     | - 1                   |                         |
| 6                       | Polaris O.C.o.P.                     | "          | —  | 14                           | 1 25 2,59  | -2,48  | +2,54  | -11,84 | 4,93                         | 1 23 45,88   |                                  |                     |                       |                         |
| 7                       | " " m.P.                             | "          | —  | 15                           | 25 1,69  | "      | "      | "      | 93                           | 23 44,98   |                                  |                     |                       |                         |
| August 31 Arm West.     |                                      |            |  |                              |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 1                       | δ Aquilae                            | P          | 19 23 43,685                                       | 23                           | 19 21 36,891                                       | -0,024 | -0,096 | -0,247 | 5,284                        | 19 20 31,241                                       |                                  |                     | + 1                   |                         |
| 2                       | β Cygni                              | "          | 29 57,159  | 23                           | 27 50,362  | -0,038 | -0,059 | -0,280 | 242                          | 26 44,747  |                                  |                     | + 4                   |                         |
| 3                       | H 46 29 <sup>m</sup> 30 <sup>s</sup> | "          | 32 43,380  | 24                           | 30 36,582  |        |        |        |                              |  |                                  |                     |                       |                         |
| 4                       | H 17 34 <sup>m</sup> 0 <sup>s</sup>  | "          | 36 6,800   | 25                           |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 5                       | γ Aquilae                            | "          | 44 46,576  | 22                           | 42 39,772  | -0,028 | -0,085 | -0,251 | 281                          | 41 34,132  |                                  |                     | + 5                   |                         |
| September 4 Arm West.   |                                      |            |  |                              |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 1                       | H 46 35 <sup>m</sup> 20 <sup>s</sup> | P          | 19 38 37,615                                       | 25                           | 19 36 27,957                                       |        |        |        |                              |  |                                  |                     |                       |                         |
| 2                       | γ Aquilae                            | "          | 44 50,262  | 23                           | 42 40,602  | -0,020 | -0,068 | -0,259 | 6,155                        | 19 41 34,105                                       |                                  |                     | + 5                   |                         |
| 3                       | α Aquilae                            | "          | 49 14,259  | 22                           | 47 4,596   | -0,020 | -0,070 | -0,258 | 161                          | 45 58,104  |                                  |                     | + 17                  |                         |
| 4                       | β Aquilae                            | "          | 53 44,121  | 23                           | 51 34,456  | -0,019 | -0,073 | -0,257 | 152                          | 50 27,954  |                                  |                     | - 1                   |                         |
| 5                       | H 17 55 <sup>m</sup> 50 <sup>s</sup> | "          | 57 59,667  | 25                           |  |        |        |        |                              |  |                                  |                     |                       |                         |
| September 12 Arm West.  |                                      |            |  |                              |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 1                       | β Aquilae                            | P          | 19 53 51,873                                       | 23                           | 19 51 36,401                                       | -0,002 | -0,084 | -0,248 | 8,208                        | 19 50 27,846                                       |                                  |                     | -* 13                 |                         |
| 2                       | γ Sagittae                           | "          | 57 46,092  | 11                           | 55 30,618  | -0,003 | -0,067 | -0,262 | 109                          | 54 22,171  |                                  |                     | -* 6                  |                         |
| 3                       | H 17 10 <sup>m</sup> 45 <sup>s</sup> | "          | 20 13 0,482  | 25                           |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 4                       | 24 Vulpeculae                        | "          | 15 57,958  | 14                           | 20 13 42,475                                       | -0,003 | -0,060 | -0,271 | 175                          | 20 12 33,955                                       |                                  |                     | - 11                  |                         |
| 5                       | H 46 3 <sup>m</sup> 0 <sup>s</sup>   | "          | 11 6 27,138  | 25                           | 11 4 11,183  |        |        |        |                              |  |                                  |                     |                       |                         |
| 6                       | H 17 7 <sup>m</sup> 15 <sup>s</sup>  | "          | 9 30,957   | 24                           |  |        |        |        |                              |  |                                  |                     |                       |                         |
| September 14 Arm West.  |                                      |            |  |                              |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 19                      | Polaris O.C.m.P.                     | P          | —  | 17                           | 1 25 17,38   | -0,45  | +1,20  | -12,04 | 8,70                         | 1 23 57,39   |                                  |                     |                       |                         |
| 20                      | " " o.P.                             | "          | —  | 13                           | 25 18,03   | "      | "      | "      | 70                           | 23 58,04   |                                  |                     |                       |                         |
| September 16 Arm West.  |                                      |            |  |                              |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 1                       | γ Cygni                              | P          | 20 22 9,305  | 22                           | 20 19 50,919                                       | +0,001 | -0,027 | -0,313 | 8,851                        | 20 18 41,738                                       |                                  |                     | + 9                   |                         |
| 2                       | H 46 23 <sup>m</sup> 0 <sup>s</sup>  | "          | 26 30,814  | 24                           | 24 12,425  |        |        |        |                              |  |                                  |                     | 0                     |                         |
| 3                       | β Delphini                           | "          | 36 23,012  | 20                           | 34 4,618   | +0,001 | -0,061 | -0,248 | 907                          | 32 55,403  |                                  |                     |                       |                         |
| 4                       | H 17 38 <sup>m</sup> 25 <sup>s</sup> | "          | 40 43,397  | 25                           |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 5                       | ε Cygni                              | "          | 45 41,129  | 23                           | 43 22,731  | +0,001 | -0,037 | -0,288 | 842                          | 42 13,572  |                                  |                     | + 7                   |                         |
| September 19 Arm West.  |                                      |            |  |                              |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 1                       | 74 Cygni                             | B          | 21 36 31,818                                       | 23                           | 21 34 10,580                                       | -0,025 | -0,008 | -0,331 | 9,795                        | 21 33 0,402  |                                  |                     | - 19                  |                         |
| 2                       | ε Pegasi                             | "          | 42 51,923  | 22                           | 40 30,681  | -0,015 | -0,021 | -0,257 | 798                          | 39 20,611  |                                  |                     | + 21                  |                         |
| 3                       | H 17 44 <sup>m</sup> 0 <sup>s</sup>  | "          | 46 21,244  | 24                           |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 4                       | 16 Pegasi                            | "          | 52 6,062   | 23                           | 49 44,815  | -0,020 | -0,015 | -0,281 | 668                          | 48 34,812  |                                  |                     | - 19                  |                         |
| 5                       | H 46 52 <sup>m</sup> 0 <sup>s</sup>  | "          | 55 34,829  | 28                           | 53 13,580  |        |        |        |                              |  |                                  |                     |                       |                         |
| September 21 Arm Ost.   |                                      |            |  |                              |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 1                       | Polaris U.C.m.P.                     | P          | —  | 16                           | 13 25 26,13  | -1,82  | -1,27  | -10,17 | 10,07                        | 13 24 2,80   |                                  |                     |                       |                         |
| 2                       | " " o.P.                             | "          | —  | 14                           | 25 26,23   | "      | "      | "      | 07                           | 24 2,90  |                                  |                     |                       |                         |
| September 29 Arm Ost.   |                                      |            |  |                              |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 1                       | H 17 4 <sup>m</sup> 20 <sup>s</sup>  | P          | 23 6 49,085  | 25                           |  |        |        |        |                              |  |                                  |                     |                       |                         |
| 2                       | H 46 8 <sup>m</sup> 0 <sup>s</sup>   | "          | 11 46,538  | 25                           | 23 9 17,450  |        |        |        |                              |  |                                  |                     |                       |                         |
| 3                       | γ Piscium                            | "          | 15 44,757  | 23                           | 13 15,667  | +0,055 | -0,061 | +0,229 | 12,616                       | 23 12 3,273  |                                  |                     | - 1                   |                         |

Am August 29 wurde angefangen mit den Declinationsbestimmungen der bei den Beobachtungen am Zenitteleskop benutzten Sterne. Deswegen werden in der Folge öfters viele Nummer und auch ganze Beobachtungstage hier fehlen; diese werden nicht speciell angegeben werden. Aug. 28. (6) und (7) Luft 3—4; Feldbeleuchtung schlecht. Sept. 4. Luft 2—3. Sept. 12. Wolken; (1) mittl. Gr. 6,0; (2) m. Gr. 5,0. Sept. 14. (19) u. (20) Luft 2. Sept. 19. Luft äusserst schlecht, 5. Sept. 21. (1) u. (2) Luft 2—3.

| Nr.                        | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich    | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17 | i I.  | k K.   | c C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension | Red.<br>auf<br>Jahres-<br>anfang                    | Red. f. Praecession | Heiligk.<br>Gleichung | Rectascension<br>1900,0 |
|----------------------------|--------------------------------------|------------|---|--|---|--------|--------|-----------------------------|----------------------------------|---|---------------------|-----------------------|-------------------------|
| 1900 September 29 (Forts.) |                                      |            |   |  |   |        |        |                             |                                  |   |                     |                       |                         |
| 4                          | τ Pegasi                             | P          | 23 <sup>h</sup> 19 <sup>m</sup> 27 <sup>s</sup> 071 | 23   | 23 <sup>h</sup> 16 <sup>m</sup> 57 <sup>s</sup> 979 | +0,080 | -0,042 | + 0,249                     | 12 <sup>s</sup> 599              | 23 <sup>h</sup> 15 <sup>m</sup> 45 <sup>s</sup> 662 |                     | -                     | 5                       |
| 5                          | z Piscium                            | "          | 25 34,264   | 22   | 23 5,169  | +0,052 | -0,063 | + 0,229                     | 620                              | 21 52,761   |                     | -                     | 8                       |
| October 6 Arm Ost.         |                                      |            |   |  |   |        |        |                             |                                  |   |                     |                       |                         |
| 1                          | γ Cygni                              | P          | 20 57 17,947  | 9  | 20 54 44,439  | +0,149 | -0,032 | + 0,292                     | 14,842                           | 20 53 30,004  |                     | -                     | 2                       |
| 2                          | 61 Cygni pr.                         | "          | 21 6 16,494   | 23   | 21 3 42,983   | +0,142 | -0,038 | + 0,281                     | 834                              | 21 2 28,523   |                     | -                     | 11                      |
| 3                          | ξ Cygni                              | "          | 12 32,387   | 23   | 9 58,873  | +0,122 | -0,054 | + 0,255                     | 817                              | 8 44,381  |                     | +                     | 2                       |
| 4                          | z Equulci                            | "          | 14 41,622   | 11   | 12 8,107  | +0,078 | -0,091 | + 0,222                     | 920                              | 10 53,394   |                     | -                     | 2                       |
| 5                          | H 46 15 <sup>m</sup> 40 <sup>s</sup> | "          | 17 33,529   | 25   | 15 0,012  |        |        |                             |                                  |   |                     |                       |                         |
| 6                          | H 17 18 <sup>m</sup> 30 <sup>s</sup> | "          | 21 3,518  | 25   |   |        |        |                             |                                  |   |                     |                       |                         |
| October 16 Arm West.       |                                      |            |   |  |   |        |        |                             |                                  |   |                     |                       |                         |
| 1                          | η Pegasi                             | P          | 22 42 20,460  | 10   | 22 39 40,643  | +0,221 | -0,071 | - 0,312                     | 17,478                           | 22 38 23,008  |                     | +                     | 5                       |
| 2                          | λ Pegasi                             | "          | 45 44,518   | 13   | 43 4,699  | +0,197 | -0,086 | - 0,294                     | 497                              | 41 47,017   |                     | -                     | 2                       |
| 3                          | λ Aquarii                            | "          | 51 25,928   | 21   | 48 46,107   | +0,104 | -0,142 | - 0,274                     | 650                              | 47 28,144   |                     | -                     | 1                       |
| 4                          | H 46 50 <sup>m</sup> 0 <sup>s</sup>  | "          | 54 3,585  | 25   | 51 23,763   |        |        |                             |                                  |   |                     |                       |                         |
| 5                          | H 17 0 <sup>m</sup> 30 <sup>s</sup>  | "          | 23 3 9,826  | 24   |   |        |        |                             |                                  |   |                     |                       |                         |
| 6                          | γ Piscium                            | "          | 16 0,985  | 6  | 23 13 21,153  | +0,136 | -0,123 | - 0,271                     | 668                              | 23 12 3,226   |                     | -                     | 1                       |
| October 19 Arm West.       |                                      |            |   |  |   |        |        |                             |                                  |   |                     |                       |                         |
| 1                          | λ Aquarii                            | B          | 22 51 28,923  | 23   | 22 48 47,079  | +0,088 | -0,100 | - 0,279                     | 18,677                           | 22 47 28,108  |                     | -                     | 3                       |
| 2                          | o Andromedae                         | "          | 23 1 24,191   | 18   | 58 42,342   | +0,231 | -0,028 | - 0,370                     | 619                              | 57 23,557   |                     | +                     | 1                       |
| 3                          | z Pegasi                             | "          | 3 51,633  | 18   | 23 1 9,783  | +0,143 | -0,072 | - 0,285                     | 589                              | 59 50,995   |                     | +                     | 15                      |
| 4                          | H 46 4 <sup>m</sup> 0 <sup>s</sup>   | "          | 8 6,297   | 28   | 5 24,445  |        |        |                             |                                  |   |                     |                       |                         |
| 5                          | γ Piscium                            | "          | 16 3,903  | 23   | 13 22,047   | +0,114 | -0,087 | - 0,276                     | 598                              | 23 12 3,199   |                     | -                     | 1                       |
| 6                          | H 17 18 <sup>m</sup> 0 <sup>s</sup>  | "          | 20 41,858   | 26   |   |        |        |                             |                                  |   |                     |                       |                         |
| October 29 Arm West.       |                                      |            |   |  |   |        |        |                             |                                  |   |                     |                       |                         |
| 1                          | 12 Ceti                              | B          | 0 29 11,274   | 22   | 0 26 22,038   | +0,123 | -0,164 | - 0,259                     | 21,138                           | 0 25 0,564  |                     | -                     | 36                      |
| 2                          | π Andromedae                         | "          | 35 47,857   | 20   | 32 58,617   | +0,252 | -0,076 | - 0,308                     | 158                              | 31 37,319   |                     | -                     | 8                       |
| 3                          | δ Andromedae                         | "          | 38 14,260   | 13   | 35 25,019   | +0,240 | -0,084 | - 0,299                     | 166                              | 34 3,717  |                     | +                     | 7                       |
| 4                          | H 46 48 <sup>m</sup> 0 <sup>s</sup>  | "          | 52 17,007   | 24   |   |        |        |                             |                                  |   |                     |                       |                         |
| 5                          | H 17 53 <sup>m</sup> 0 <sup>s</sup>  | "          | 55 49,250   | 27   |   |        |        |                             |                                  |   |                     |                       |                         |
| November 3 Arm Ost.        |                                      |            |   |  |   |        |        |                             |                                  |   |                     |                       |                         |
| 1                          | H 17 22 <sup>m</sup> 30 <sup>s</sup> | P          | 22 25 22,750  | 25   |   |        |        |                             |                                  |   |                     |                       |                         |
| 2                          | η Pegasi                             | "          | 42 37,243   | 8  | 22 39 44,486  | +0,275 | -0,092 | + 0,283                     | 22,205                           | 22 38 22,752  |                     | +                     | 5                       |
| 3                          | μ Pegasi                             | "          | 49 29,089   | 23   | 46 36,328   | +0,250 | -0,108 | + 0,269                     | 192                              | 45 14,548   |                     | +                     | 1                       |
| 4                          | δ Aquarii                            | "          | 53 39,604   | 23   | 50 46,842   | +0,098 | -0,202 | + 0,256                     | 241                              | 49 24,753   |                     | 0                     |                         |
| 5                          | H 46 52 <sup>m</sup> 10 <sup>s</sup> | "          | 56 32,297   | 25   | 53 39,534   |        |        |                             |                                  |   |                     |                       |                         |
| 6                          | Polaris O.C.m.P.                     | "          | —   | 13   | 1 25 5,40   | +9,32  | +4,85  | +11,71                      | 22,44                            | 1 24 8,84   |                     |                       |                         |
| 7                          | " " O.P.                             | "          | —   | 15   | 25 5,43   | "      | "      | "                           | 44                               | 24 8,87   |                     |                       |                         |
| November 7 Arm Ost.        |                                      |            |   |  |   |        |        |                             |                                  |   |                     |                       |                         |
| 1                          | ω Aquarii                            | P          | 23 41 54,494  | 19   | 23 38 59,581  | +0,102 | -0,222 | + 0,250                     | 23,260                           | 23 37 36,444  |                     | -                     | 7                       |
| 2                          | H 17 42 <sup>m</sup> 55 <sup>s</sup> | "          | 45 49,914   | 25   |   |        |        |                             |                                  |   |                     |                       |                         |
| 3                          | ρ Pegasi                             | "          | 51 46,192   | 23   | 48 51,276   | +0,225 | -0,136 | + 0,254                     | 239                              | 47 28,372   |                     | -                     | 8                       |
| 4                          | H 46 50 <sup>m</sup> 0 <sup>s</sup>  | "          | 54 26,014   | 25   | 51 31,097   |        |        |                             |                                  |   |                     |                       |                         |
| 5                          | ω Piscium                            | "          | 58 32,798   | 23   | 55 37,880   | +0,179 | -0,168 | + 0,242                     | 253                              | 54 14,878   |                     | -                     | 2                       |
| 6                          | Polaris O.C.m.P.                     | "          | —   | 16   | 1 25 5,88   | +9,67  | +6,51  | +11,34                      | 23,48                            | 1 24 9,92   |                     |                       |                         |
| 7                          | " " O.P.                             | "          | —   | 16   | 25 6,68   | "      | "      | "                           | 48                               | 24 10,72  |                     |                       |                         |

Oct. 16. Luft 3; (1) und (2) zu verwerfen, weil durch ungenügende Stromstärke die Signale auf dem Registrierapparate verzögert wurden. Oct. 19. Luft 4-5. Oct. 29. Luft 2. Nov. 3. (6) und (7) Luft 2-3, durch Wolken geschwächt. Nov. 7. (6) und (7) Luft 2-3; Feldbeleuchtung schwach.

| Nr.                      | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich   | Anzahl<br>Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17  | i I.               | k K.               | c C.                | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                  | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Prae-<br>cession | Helligk.<br>Gleichung | Rectascension<br>1900,0                            |
|--------------------------|--------------------------------------|------------|--|---------------------------------|---|--------------------|--------------------|---------------------|-----------------------------|---|----------------------------------|--------------------------|-----------------------|--|
| 1900 November 7 (Forts.) |                                      |            |  |                                 |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 8                        | Polaris U.C.m.P.                     | P          | —  | 17                              | 13 <sup>h</sup> 26 <sup>m</sup> 1 <sup>s</sup> 01 | -9 <sup>s</sup> 79 | -7 <sup>s</sup> 02 | -11 <sup>s</sup> 34 | 23 <sup>s</sup> 61          | 13 <sup>h</sup> 24 <sup>m</sup> 9 <sup>s</sup> 25 |                                  |                          |                       |  |
| 9                        | " " o.P.                             | "          | —  | 18                              | 26 1,33   | "                  | "                  | "                   | 61                          | 24 9,57   |                                  |                          |                       |  |
| November 16 Arm Ost.     |                                      |            |  |                                 |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 1                        | 12 Ceti                              | B          | 0 <sup>h</sup> 29 <sup>m</sup> 25 <sup>s</sup> 432 | 23                              | 0 26 26,424                                       | +0,174             | -0,250             | + 0,246             | 26,102                      | 0 25 0,456  |                                  |                          | - 36                  |  |
| 2                        | π Andromedae                         | "          | 36 1,804   | 19                              | 33 2,794  | +0,356             | -0,116             | + 0,293             | 108                         | 31 37,211   |                                  |                          | - 8                   |  |
| 3                        | δ Andromedae                         | "          | 38 28,195  | 19                              | 35 29,185   | +0,339             | -0,129             | + 0,284             | 067                         | 34 3,619  |                                  |                          | + 7                   |  |
| 4                        | H 46 43 <sup>m</sup> 0 <sup>s</sup>  | "          | 47 33,459  | 28                              | 44 34,446   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 5                        | H 17 49 <sup>m</sup> 0 <sup>s</sup>  | "          | 51 59,015  | 24                              |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| November 23 Arm Ost.     |                                      |            |  |                                 |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 1                        | H 17 1 <sup>m</sup> 30 <sup>s</sup>  | P          | 1 4 32,279   | 25                              |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 2                        | β Andromedae                         | "          | 8 42,066   | 17                              | 1 5 39,786  | +0,312             | -0,097             | + 0,314             | 27,233                      | 1 4 13,092  |                                  |                          | + 10                  |  |
| 3                        | Holmes 104                           | "          | 19 33,548  | 11                              | 16 31,264   | +0,231             | -0,161             | + 0,270             | 242                         | 15 4,362  | -4 <sup>s</sup> 877              | 0 <sup>s</sup> 000       | - 39                  | 1 <sup>h</sup> 14 <sup>m</sup> 59 <sup>s</sup> 446 |
| 4                        | η Piscium                            | "          | 30 41,931  | 11                              | 27 39,644   | +0,219             | -0,170             | + 0,266             | 244                         | 26 12,715   |                                  |                          | 0                     |  |
| 5                        | ν Piscium                            | "          | 40 47,593  | 23                              | 37 45,302   | +0,182             | -0,199             | + 0,258             | 252                         | 36 18,286   |                                  |                          | - 5                   |  |
| 6                        | H 46 38 <sup>m</sup> 40 <sup>s</sup> | "          | 43 19,110  | 24                              | 40 16,818   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| November 27 Arm Ost.     |                                      |            |  |                                 |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 1                        | Polaris O.C.o.P.                     | P          | —  | 15                              | 1 25 0,64   | +9,38              | +7,90              | +12,06              | 28,52                       | 1 24 1,46   |                                  |                          |                       |  |
| 2                        | " " m.P.                             | "          | —  | 16                              | 25 0,64   | "                  | "                  | "                   | 52                          | 24 1,46   |                                  |                          |                       |  |
| 3                        | γ Trianguli                          | "          | 2 15 59,765  | 20                              | 2 12 55,602                                       | +0,281             | -0,109             | + 0,306             | 28,314                      | 2 11 27,764                                       |                                  |                          | - 2                   |  |
| 4                        | σ Ceti                               | "          | 18 54,670  | 20                              | 15 50,506   | +0,140             | -0,232             | + 0,256             | 311                         | 14 22,329   |                                  |                          | - 30                  |  |
| 5                        | H 46 17 <sup>m</sup> 5 <sup>s</sup>  | "          | 21 47,587  | 25                              | 18 43,423   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 6                        | ξ <sup>2</sup> Ceti                  | "          | 27 27,683  | 23                              | 24 23,516   | +0,180             | -0,198             | + 0,259             | 323                         | 22 55,430   |                                  |                          | - 4                   |  |
| 7                        | H 17 27 <sup>m</sup> 40 <sup>s</sup> | "          | 30 44,168  | 24                              |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| December 7 Arm Ost.      |                                      |            |  |                                 |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 1                        | μ Andromedae                         | P          | 0 55 56,419  | 23                              | 0 52 47,465                                       | +0,241             | -0,080             | + 0,317             | 30,869                      | 0 51 17,073                                       |                                  |                          | - 1                   |  |
| 2                        | z Piscium                            | "          | 1 2 29,151   | 22                              | 59 20,194   | +0,140             | -0,181             | + 0,252             | 802                         | 57 49,599   |                                  |                          | - 4                   |  |
| 3                        | β Andromedae                         | "          | 7 52,242   | 23                              | 1 4 43,283  | +0,229             | -0,091             | + 0,306             | 755                         | 1 4 12,982  |                                  |                          | + 10                  |  |
| 4                        | H 46 7 <sup>m</sup> 5 <sup>s</sup>   | "          | 11 55,810  | 25                              | 8 46,849  |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 5                        | H 17 12 <sup>m</sup> 40 <sup>s</sup> | "          | 15 48,962  | 25                              |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| December 10 Arm Ost.     |                                      |            |  |                                 |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 1                        | β Andromedae                         | P          | 1 8 54,060   | 21                              | 1 5 43,358  | +0,244             | -0,094             | + 0,310             | 30,868                      | 1 4 12,960  |                                  |                          | + 10                  |  |
| 2                        | H 17 10 <sup>m</sup> 50 <sup>s</sup> | "          | 13 0,703   | 24                              |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 3                        | A.G.Berl.A.373                       | "          | 18 49,248  | 9                               | 15 38,543   | +0,181             | -0,156             | + 0,266             | 891                         | 14 7,943  | -4 <sup>s</sup> 755              | 0 <sup>s</sup> 000       | - 36                  | 1 14 3,152   |
| 4                        | H 46 22 <sup>m</sup> 20 <sup>s</sup> | "          | 27 13,594  | 24                              | 24 2,886  |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 5                        | η Piscium                            | "          | 30 53,981  | 11                              | 27 43,272   | +0,172             | -0,162             | + 0,264             | 909                         | 26 12,637   |                                  |                          | 0                     |  |
| 6                        | γ Andromedae                         | "          | 2 2 32,501   | 10                              | 59 21,781   | +0,276             | -0,061             | + 0,342             | 894                         | 57 51,454   |                                  |                          | + 10                  |  |
| 7                        | Holmes 114                           | "          | 8 2,356  | 6                               | 2 4 51,634  | +0,283             | -0,054             | + 0,349             | 890                         | 2 3 21,322  | -6,083                           | "                        | - 63                  | 2 3 15,176   |
| 8                        | " 138                                | "          | 29 13,932  | 11                              | 26 3,202  | +0,268             | -0,067             | + 0,335             | 889                         | 24 32,849   | -6,142                           | "                        | - 51                  | 24 26,656  |
| 9                        | ν Arietis                            | "          | 37 54,871  | 23                              | 34 44,139   | +0,193             | -0,135             | + 0,275             | 890                         | 33 13,571   |                                  |                          | - 11                  |  |
| 10                       | Holmes 123                           | "          | 44 20,410  | 11                              | 41 9,675  | +0,320             | -0,019             | + 0,392             | 889                         | 39 39,479   | -6,921                           | "                        | - 38                  | 39 32,520  |
| 11                       | " 130                                | "          | 3 9 40,178   | 10                              | 3 6 29,434  | +0,271             | -0,063             | + 0,339             | 888                         | 3 4 59,093  | -6,523                           | "                        | - 36                  | 3 4 52,534   |
| 12                       | " 136                                | "          | 15 43,491  | 9                               | 12 32,745   | +0,278             | -0,055             | + 0,347             | 888                         | 11 2,427  | -6,672                           | "                        | - 34                  | 10 55,721  |
| 13                       | H 17 17 <sup>m</sup> 10 <sup>s</sup> | "          | 20 20,747  | 25                              |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| December 15 Arm Ost.     |                                      |            |  |                                 |   |                    |                    |                     |                             |   |                                  |                          |                       |  |
| 1                        | η Tauri                              | P          | 3 46 22,801  | 22                              | 3 43 8,924  | +0,198             | -0,123             | + 0,262             | 31,138                      | 3 41 38,128                                       |                                  |                          | + 5                   |  |

Nov. 7. (8) und (9) Luft 2-3. Nov. 23, Luft 2-3; Wolken. Nov. 27. Luft dunstig; alles feucht; (1) und (2) Luft 2-3; (4) geschätzt 7,5. Dec. 10. Dunstig, bisweilen Wolken, Luft 2-3; Feldbeleuchtung äusserst schwach.

| Nr.                       | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich      | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwii 17      | i I.                | k K.                | c C.                 | Corr.<br>von<br>Hohwii<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension<br>1900,0                            |
|---------------------------|--------------------------------------|------------|---|------------------------------|--|---------------------|---------------------|----------------------|------------------------------|--|----------------------------------|---------------------|--------------------|--|
| 1900 December 15 (Forts.) |                                      |            |   |                              |  |                     |                     |                      |                              |  |                                  |                     |                    |  |
| 2                         | 27 Tauri                             | P          | 3 <sup>h</sup> 48 <sup>m</sup> 3 <sup>s</sup> 347 | 15                           | 3 <sup>h</sup> 44 <sup>m</sup> 49 <sup>s</sup> 469 | +0 <sup>s</sup> 198 | -0 <sup>s</sup> 123 | + 0 <sup>s</sup> 262 | 31 <sup>s</sup> 122          | 3 <sup>h</sup> 43 <sup>m</sup> 18 <sup>s</sup> 684 |                                  |                     | 0                  |  |
| 3                         | ξ Persei                             | "          | 52 41,455   | 23                           | 49 27,575  | +0,226              | -0,098              | + 0,282              | 110                          | 47 56,880  |                                  |                     | + 5                |  |
| 4                         | ξ Persei                             | "          | 57 19,473   | 23                           | 54 5,591   | +0,242              | -0,084              | + 0,295              | 091                          | 52 34,951  |                                  |                     | - 2                |  |
| 5                         | H 46 57 <sup>m</sup> 20 <sup>s</sup> | "          | 4 2 18,380  | 25                           | 59 4,496   |                     |                     |                      |                              |  |                                  |                     |                    |  |
| 6                         | H 17 3 <sup>m</sup> 0 <sup>s</sup>   | "          | 6 13,885  | 25                           |  |                     |                     |                      |                              |  |                                  |                     |                    |  |
| December 19 Arm Ost.      |                                      |            |   |                              |  |                     |                     |                      |                              |  |                                  |                     |                    |  |
| 1                         | H 17 10 <sup>m</sup> 20 <sup>s</sup> | P          | 1 13 35,958                                       | 25                           |  |                     |                     |                      |                              |  |                                  |                     |                    |  |
| 2                         | Holmes 104                           | "          | 19 50,983   | 11                           | 1 16 35,022  | +0,221              | -0,147              | + 0,261              | 31,102                       | 1 15 4,255   | -4 <sup>s</sup> 678              | 0 <sup>s</sup> 000  | - 39               | 1 <sup>h</sup> 14 <sup>m</sup> 59 <sup>s</sup> 538 |
| 3                         | η Piscium                            | "          | 30 59,273   | 22                           | 27 43,308  | +0,210              | -0,155              | + 0,257              | 092                          | 26 12,528  |                                  |                     | 0                  |  |
| 4                         | γ Andromedae                         | "          | 2 2 37,808  | 23                           | 59 21,829  | +0,338              | -0,059              | + 0,336              | 125                          | 57 51,329  |                                  |                     | + 10               |  |
| 5                         | Holmes 114                           | "          | 8 7,683   | 11                           | 2 4 51,701   | +0,346              | -0,053              | + 0,342              | 103                          | 2 3 21,233   | -5,991                           | "                   | - 63               | 2 3 15,179   |
| 6                         | " 138                                | "          | 29 19,279   | 11                           | 26 3,288   | +0,331              | -0,066              | + 0,329              | 103                          | 24 32,779  | -6,077                           | "                   | - 51               | 24 26,651  |
| 7                         | H 46 29 <sup>m</sup> 15 <sup>s</sup> | "          | 34 16,569   | 25                           | 31 0,576   |                     |                     |                      |                              |  |                                  |                     |                    |  |
| 8                         | Holmes 123                           | "          | 44 25,668   | 8                            | 41 9,670   | +0,394              | -0,019              | + 0,384              | 103                          | 39 39,326  | -6,849                           | "                   | - 38               | 39 32,439  |
| 9                         | 41 Arietis                           | "          | 48 58,052   | 23                           | 45 42,052  | +0,261              | -0,116              | + 0,281              | 136                          | 44 11,343  |                                  |                     | + 1                |  |
| 10                        | Holmes 130                           | "          | 3 9 45,578  | 11                           | 3 6 29,569   | +0,335              | -0,063              | + 0,333              | 103                          | 3 4 59,071   | -6,495                           | "                   | - 36               | 3 4 52,540   |
| 11                        | " 131                                | "          | 11 41,068   | 11                           | 8 25,058   | +0,374              | -0,035              | + 0,366              | 103                          | 6 54,660   | -6,920                           | "                   | - 47               | 6 47,693   |
| 12                        | " 136                                | "          | 15 48,804   | 11                           | 12 32,793  | +0,345              | -0,056              | + 0,341              | 103                          | 11 2,320   | -6,648                           | "                   | - 34               | 10 55,638  |
| 13                        | H 17 19 <sup>m</sup> 30 <sup>s</sup> | "          | 22 46,014   | 25                           |  |                     |                     |                      |                              |  |                                  |                     |                    |  |
| 14                        | H 17 55 <sup>m</sup> 0 <sup>s</sup>  | "          | 4 58 16,028                                       | 24                           |  |                     |                     |                      |                              |  |                                  |                     |                    |  |
| 15                        | ε Tauri                              | "          | 5 1 59,778  | 10                           | 4 58 43,747  | +0,246              | -0,128              | + 0,274              | 103                          | 4 57 13,036  | -5,978                           | "                   | - 5                | 4 57 7,053   |
| 16                        | 108 Tauri                            | "          | 14 19,722   | 11                           | 5 11 3,685   | +0,251              | -0,126              | + 0,275              | 104                          | 5 9 32,981   | -6,029                           | "                   | - 16               | 5 9 26,936   |
| 17                        | η Tauri                              | "          | 18 8,832  | 5                            | 14 52,793  | +0,250              | -0,126              | + 0,275              | 104                          | 13 22,088  | -6,025                           | "                   | - 8                | 13 16,055  |
| 18                        | Neptun d                             | "          | 26 44,243   | 11                           | 23 28,200  | +0,256              | -0,123              | + 0,277              | 104                          | 21 57,506  | -6,089                           | "                   | - 56               | 21 51,361  |
| 19                        | " g                                  | "          | 33 46,567   | 11                           | 30 30,520  | +0,255              | -0,124              | + 0,277              | 104                          | 28 59,824  | -6,060                           | "                   | - 51               | 28 53,713  |
| 20                        | " k                                  | "          | 42 8,014  | 11                           | 38 51,963  | +0,259              | -0,122              | + 0,278              | 104                          | 37 21,274  | -6,092                           | "                   | - 14               | 37 15,168  |
| 21                        | " n                                  | "          | 46 33,079   | 10                           | 43 17,026  | +0,250              | -0,129              | + 0,274              | 104                          | 41 46,317  | -5,991                           | "                   | - 33               | 41 40,293  |
| 22                        | " v                                  | "          | 53 20,370   | 11                           | 50 4,313   | +0,248              | -0,130              | + 0,273              | 104                          | 48 33,600  | -5,961                           | "                   | - 4                | 48 27,635  |
| 23                        | " s                                  | "          | 59 17,370   | 11                           | 56 1,310   | +0,260              | -0,123              | + 0,278              | 104                          | 54 30,621  | -6,076                           | "                   | - 24               | 54 24,521  |
| 24                        | " t                                  | "          | 6 2 55,334  | 11                           | 59 39,273  | +0,262              | -0,122              | + 0,279              | 104                          | 58 8,588   | -6,090                           | "                   | - 2                | 58 2,496   |
| 25                        | 3 Geminorum                          | "          | 8 32,455  | 11                           | 6 5 16,391   | +0,263              | -0,122              | + 0,279              | 104                          | 6 3 45,707   | -6,079                           | "                   | - 11               | 6 3 39,617   |
| 26                        | η Geminorum                          | "          | 13 43,279   | 11                           | 10 27,212  | +0,261              | -0,123              | + 0,278              | 104                          | 8 56,524   | -6,046                           | "                   | + 2                | 8 50,480   |
| 27                        | H 17 14 <sup>m</sup> 0 <sup>s</sup>  | "          | 17 26,068   | 25                           |  |                     |                     |                      |                              |  |                                  |                     |                    |  |
| December 29 Arm West.     |                                      |            |   |                              |  |                     |                     |                      |                              |  |                                  |                     |                    |  |
| 1                         | H 46 4 <sup>m</sup> 0 <sup>s</sup>   | B          | 5 9 9,646   | 24                           | 5 5 48,954   |                     |                     |                      |                              |  |                                  |                     |                    |  |
| 2                         | β Orionis                            | "          | 14 42,715   | 23                           | 11 22,022  | +0,122              | -0,279              | - 0,279              | 32,783                       | 5 9 48,893   |                                  |                     | + 90               |  |
| 3                         | H 17 16 <sup>m</sup> 0 <sup>s</sup>  | "          | 19 20,695   | 26                           |  |                     |                     |                      |                              |  |                                  |                     |                    |  |
| 4                         | β Tauri                              | "          | 24 58,204   | 23                           | 21 37,508  | +0,256              | -0,145              | - 0,314              | 717                          | 20 4,627   |                                  |                     | + 39               |  |
| 5                         | δ Orionis                            | "          | 31 52,882   | 23                           | 28 32,183  | +0,150              | -0,251              | - 0,276              | 730                          | 26 59,097  |                                  |                     | + 21               |  |
| 1901 Januar 3 Arm West.   |                                      |            |   |                              |  |                     |                     |                      |                              |  |                                  |                     |                    |  |
| 1                         | ξ Persei                             | B          | 3 52 52,926                                       | 22                           | 3 49 29,937  | +0,259              | -0,111              | - 0,351              | 32,890                       | 3 47 56,856  |                                  |                     | + 12               |  |
| 2                         | ε Persei                             | "          | 56 11,156   | 23                           | 52 48,186  | +0,299              | -0,076              | - 0,388              | 858                          | 51 15,175  |                                  |                     | + 12               |  |
| 3                         | λ Tauri                              | "          | 4 0 9,817   | 23                           | 56 46,845  | +0,185              | -0,177              | - 0,306              | 813                          | 55 13,737  |                                  |                     | + 3                |  |
| 4                         | H 46 0 <sup>m</sup> 0 <sup>s</sup>   | "          | 5 13,354  | 24                           | 4 1 50,380   |                     |                     |                      |                              |  |                                  |                     |                    |  |

Dec. 19. Bis 4<sup>h</sup> Luft 3, nachher 2-3, neblig; Feldbeleuchtung schwach. Jan. 3. Luft 5.

| Nr.                    | Stern                               | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich       | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17      | i I.   | k K.   | c C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                  | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Præcession | Helligk. Gleichung | Rectascension<br>1900,0                           |
|------------------------|-------------------------------------|------------|--|------------------------------|---|--------|--------|--------|-----------------------------|---|----------------------------------|--------------------|--------------------|---|
| 1901 Januar 3 (Forts.) |                                     |            |  |                              |   |        |        |        |                             |   |                                  |                    |                    |   |
| 5                      | H 17 7 <sup>m</sup> 0 <sup>s</sup>  | B          | 4 <sup>h</sup> 10 <sup>m</sup> 22 <sup>s</sup> 975 | 27                           |   |        |        |        |                             |   |                                  |                    |                    |   |
| Januar 4 Arm West.     |                                     |            |  |                              |   |        |        |        |                             |   |                                  |                    |                    |   |
| 1                      | 108 Tauri                           | B          | 5 14 29,313  | 11                           | 5 <sup>h</sup> 11 <sup>m</sup> 5 <sup>s</sup> 877 | +0,260 | -0,154 | -0,327 | 325566                      | 5 <sup>h</sup> 9 <sup>m</sup> 33 <sup>s</sup> 090 | -2,525                           | 3,604              | - 34               | 5 <sup>h</sup> 9 <sup>m</sup> 26 <sup>s</sup> 927 |
| 2                      | " Tauri                             | "          | 18 18,411  | 11                           | 14 54,974   | +0,259 | -0,154 | -0,327 | 565                         | 13 22,187   | -2,530                           | 3,601              | - 19               | 13 16,937   |
| 3                      | H 17 21 <sup>m</sup> 0 <sup>s</sup> | "          | 24 23,440  | 25                           |   |        |        |        |                             |   |                                  |                    |                    |   |
| 4                      | Neptun e                            | "          | 29 11,192  | 10                           | 25 47,750   | +0,256 | -0,156 | -0,325 | 563                         | 24 14,962   | -2,539                           | 3,588              | -102               | 24 8,733  |
| 5                      | " g                                 | "          | 33 56,242  | 11                           | 30 32,798   | +0,261 | -0,152 | -0,328 | 562                         | 29 0,017  | -2,571                           | 3,621              | - 94               | 28 53,731   |
| 6                      | " i                                 | "          | 41 3,649   | 9                            | 37 40,202   | +0,262 | -0,151 | -0,329 | 561                         | 36 7,423  | -2,585                           | 3,626              | - 39               | 36 1,173  |
| 7                      | " n                                 | "          | 46 15,112  | 11                           | 42 51,663   | +0,261 | -0,152 | -0,329 | 560                         | 41 18,883   | -2,590                           | 3,624              | - 69               | 41 12,600   |
| 8                      | " o                                 | "          | 50 48,274  | 11                           | 47 24,823   | +0,265 | -0,148 | -0,331 | 559                         | 45 52,050   | -2,613                           | 3,649              | - 46               | 45 45,742   |
| 9                      | " q                                 | "          | 58 0,109   | 9                            | 54 36,655   | +0,254 | -0,157 | -0,325 | 558                         | 53 3,869  | -2,570                           | 3,577              | -102               | 52 57,620   |
| 10                     | " t                                 | "          | 6 3 5,020  | 10                           | 59 41,564   | +0,265 | -0,148 | -0,331 | 557                         | 58 8,793  | -2,624                           | 3,648              | - 4                | 58 2,517  |
| 11                     | 3 Geminorum                         | "          | 8 42,153   | 10                           | 6 5 18,700  | +0,264 | -0,149 | -0,330 | 556                         | 6 3 45,929  | -2,625                           | 3,644              | - 26               | 6 3 39,634  |
| 12                     | η Geminorum                         | "          | 13 52,932  | 10                           | 10 29,471   | +0,262 | -0,151 | -0,329 | 555                         | 8 56,698  | -2,617                           | 3,627              | + 4                | 8 50,458  |
| 13                     | μ Geminorum                         | "          | 21 57,128  | 23                           | 18 33,664   | +0,263 | -0,150 | -0,329 | 557                         | 17 0,901  |                                  |                    | + 10               |   |
| 14                     | H 46 27 <sup>m</sup> 0 <sup>s</sup> | "          | 32 14,182  | 25                           | 28 50,714   |        |        |        |                             |   |                                  |                    |                    |   |
| 15                     | γ Geminorum                         | "          | 36 58,362  | 21                           | 33 34,892   | +0,237 | -0,170 | -0,318 | 590                         | 32 2,083  |                                  |                    | + 32               |   |
| 16                     | ε Geminorum                         | "          | 42 49,378  | 22                           | 39 25,906   | +0,275 | -0,140 | -0,337 | 549                         | 37 53,165   |                                  |                    | + 10               |   |
| 17                     | ξ Geminorum                         | "          | 44 42,761  | 9                            | 41 19,288   | +0,222 | -0,180 | -0,313 | 568                         | 39 46,455   |                                  |                    | + 6                |   |
| 18                     | H 17 52 <sup>m</sup> 0 <sup>s</sup> | "          | 55 23,478  | 28                           |   |        |        |        |                             |   |                                  |                    |                    |   |
| Januar 5 Arm West.     |                                     |            |  |                              |   |        |        |        |                             |   |                                  |                    |                    |   |
| 1                      | ι Tauri                             | B          | 5 2 9,615  | 10                           | 4 58 45,669                                       | +0,206 | -0,139 | -0,331 | 32,272                      | 4 57 13,133                                       | -2,484                           | 3,578              | - 13               | 4 57 7,058  |
| 2                      | H 17 7 <sup>m</sup> 0 <sup>s</sup>  | "          | 10 23,950  | 24                           |   |        |        |        |                             |   |                                  |                    |                    |   |
| 3                      | 108 Tauri                           | "          | 14 29,596  | 11                           | 5 11 5,644  | +0,209 | -0,137 | -0,333 | 270                         | 5 9 33,113  | -2,530                           | 3,604              | - 34               | 5 9 26,945  |
| 4                      | " Tauri                             | "          | 18 18,715  | 11                           | 14 54,761   | +0,209 | -0,138 | -0,332 | 269                         | 13 22,231   | -2,535                           | 3,601              | - 19               | 13 16,976   |
| 5                      | Neptun d                            | "          | 26 54,153  | 10                           | 23 30,195   | +0,214 | -0,134 | -0,336 | 267                         | 21 57,672   | -2,578                           | 3,638              | -102               | 21 51,354   |
| 6                      | " f                                 | "          | 32 44,773  | 11                           | 29 20,812   | +0,204 | -0,143 | -0,330 | 266                         | 27 48,277   | -2,533                           | 3,565              | - 33               | 27 42,144   |
| 7                      | " h                                 | "          | 36 42,726  | 11                           | 33 18,763   | +0,207 | -0,140 | -0,331 | 266                         | 31 46,233   | -2,555                           | 3,584              | + 12               | 31 40,106   |
| 8                      | " k                                 | "          | 42 17,900  | 11                           | 38 53,934   | +0,215 | -0,134 | -0,336 | 265                         | 37 21,414   | -2,605                           | 3,642              | - 32               | 37 15,135   |
| 9                      | " n                                 | "          | 46 43,003  | 11                           | 43 19,035   | +0,207 | -0,141 | -0,331 | 264                         | 41 46,506   | -2,568                           | 3,582              | - 57               | 41 40,299   |
| 10                     | " v                                 | "          | 53 30,275  | 9                            | 50 6,304  | +0,205 | -0,143 | -0,330 | 263                         | 48 33,773   | -2,566                           | 3,566              | - 10               | 48 27,631   |
| 11                     | " s                                 | "          | 59 27,282  | 7                            | 56 3,308  | +0,215 | -0,135 | -0,336 | 262                         | 54 30,790   | -2,623                           | 3,637              | - 44               | 54 24,486   |
| 12                     | " t                                 | "          | 6 3 5,264  | 10                           | 59 41,288   | +0,216 | -0,134 | -0,337 | 261                         | 58 8,772  | -2,634                           | 3,648              | - 4                | 58 2,486  |
| 13                     | 3 Geminorum                         | "          | 8 42,441   | 11                           | 6 5 18,463  | +0,216 | -0,134 | -0,336 | 260                         | 6 3 45,949  | -2,636                           | 3,644              | - 26               | 6 3 39,643  |
| 14                     | η Geminorum                         | "          | 13 53,197  | 11                           | 10 29,216   | +0,214 | -0,136 | -0,336 | 259                         | 8 56,699  | -2,628                           | 3,627              | + 4                | 8 50,448  |
| 15                     | μ Geminorum                         | "          | 21 57,371  | 21                           | 18 33,386   | +0,215 | -0,136 | -0,336 | 225                         | 17 0,914  |                                  |                    | + 10               |   |
| 16                     | H 46 21 <sup>m</sup> 0 <sup>s</sup> | "          | 26 14,992  | 22                           | 22 51,005   |        |        |        |                             |   |                                  |                    |                    |   |
| 17                     | 10 Monocerotis                      | "          | 28 3,231   | 19                           | 24 39,243   | +0,125 | -0,214 | -0,310 | 259                         | 23 6,566  |                                  |                    | - 19               |   |
| 18                     | H 17 29 <sup>m</sup> 0 <sup>s</sup> | "          | 32 23,990  | 24                           |   |        |        |        |                             |   |                                  |                    |                    |   |
| 19                     | γ Geminorum                         | "          | 36 58,629  | 23                           | 33 34,637   | +0,193 | -0,154 | -0,323 | 289                         | 32 2,096  |                                  |                    | + 32               |   |
| Januar 6 Arm West.     |                                     |            |  |                              |   |        |        |        |                             |   |                                  |                    |                    |   |
| 1                      | γ Andromedae                        | P          | 2 2 47,478   | 12                           | 1 59 23,127                                       | +0,297 | -0,055 | -0,427 | 31,853                      | 1 57 51,099                                       |                                  |                    | + 10               |   |
| 2                      | Holmes 114                          | "          | 8 17,374   | 11                           | 2 4 53,022  | +0,304 | -0,049 | -0,435 | 850                         | 2 3 20,992  | -2,013                           | 3,713              | - 63               | 2 3 15,203  |
| 3                      | H 17 10 <sup>m</sup> 4 <sup>s</sup> | "          | 14 4,349   | 25                           |   |        |        |        |                             |   |                                  |                    |                    |   |
| 4                      | H 46 16 <sup>m</sup> 0 <sup>s</sup> | "          | 21 15,633  | 24                           | 17 51,277   |        |        |        |                             |   |                                  |                    |                    |   |

Jan. 4. Luft zuerst 3—4, nachher 4; Feldbeleuchtung schlecht; Beob. unsicher; am Schlusse zeigten sich an der Innenseite des Objectivs Eisnadeln. Jan. 5. Luft Anfangs 2, zum Schlusse 4. Jan. 6. Zuerst Luft 2, (12) bis (24) Luft 3.

| Nr.                    | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich   | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17  | i I.   | k K.   | c C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0                            |
|------------------------|--------------------------------------|------------|--|------------------------------|---|--------|--------|--------|-----------------------------|--|----------------------------------|---------------------|-----------------------|--|
| 1901 Januar 6 (Forts.) |                                      |            |  |                              |   |        |        |        |                             |  |                                  |                     |                       |  |
| 5                      | Holmes 138                           | P          | 2 <sup>h</sup> 29 <sup>m</sup> 28 <sup>s</sup> 962 | 11                           | 2 <sup>h</sup> 26 <sup>m</sup> 4 <sup>s</sup> 602 | +0,290 | -0,060 | -0,417 | 318,847                     | 2 <sup>h</sup> 24 <sup>m</sup> 32 <sup>s</sup> 568 | -2,515                           | 3,740               | - 51                  | 2 <sup>h</sup> 24 <sup>m</sup> 26 <sup>s</sup> 662 |
| 6                      | " Arietis                            | "          | 38 9,871   | 18                           | 34 45,509   | +0,209 | -0,121 | -0,342 | 868                         | 33 13,376  |                                  |                     | - 11                  |  |
| 7                      | Holmes 123                           | "          | 44 35,476  | 11                           | 41 11,112   | +0,347 | -0,017 | -0,487 | 845                         | 39 39,110  | -2,527                           | 4,067               | - 38                  | 39 32,478  |
| 8                      | " 130                                | "          | 3 9 55,367   | 8                            | 3 6 30,994  | +0,295 | -0,056 | -0,421 | 841                         | 3 4 58,971   | -2,426                           | 3,906               | - 36                  | 3 4 52,603   |
| 9                      | " 131                                | "          | 11 50,860  | 11                           | 8 26,486  | +0,329 | -0,031 | -0,463 | 841                         | 6 54,480   | -2,637                           | 4,096               | - 47                  | 6 47,700   |
| 11                     | H 17 19 <sup>m</sup> 35 <sup>s</sup> | "          | 22 59,382  | 24                           |   |        |        |        |                             |  |                                  |                     |                       |  |
| 12                     | " Tauri                              | "          | 5 2 9,636  | 15                           | 4 58 45,225                                       | +0,215 | -0,114 | -0,344 | 825                         | 4 57 13,157  | -2,484                           | 3,578               | - 5                   | 4 57 7,090   |
| 13                     | H 17 2 <sup>m</sup> 30 <sup>s</sup>  | "          | 5 44,418   | 25                           |   |        |        |        |                             |  |                                  |                     |                       |  |
| 14                     | 108 Tauri                            | "          | 14 29,626  | 11                           | 5 11 5,212  | +0,219 | -0,112 | -0,346 | 824                         | 5 9 33,149   | -2,531                           | 3,604               | - 16                  | 5 9 26,998   |
| 15                     | " Tauri                              | "          | 18 18,700  | 11                           | 14 54,285   | +0,218 | -0,112 | -0,345 | 824                         | 13 22,222  | -2,537                           | 3,601               | - 8                   | 13 16,076  |
| 16                     | Neptun d                             | "          | 26 54,133  | 11                           | 23 29,714   | +0,223 | -0,109 | -0,348 | 822                         | 21 57,658  | -2,581                           | 3,638               | - 56                  | 21 51,383  |
| 17                     | " g                                  | "          | 33 56,499  | 11                           | 30 32,078   | +0,220 | -0,111 | -0,346 | 821                         | 29 0,020   | -2,581                           | 3,621               | - 51                  | 28 53,767  |
| 18                     | " k                                  | "          | 42 17,923  | 11                           | 38 53,499   | +0,223 | -0,110 | -0,348 | 820                         | 37 21,444  | -2,609                           | 3,642               | - 14                  | 37 15,179  |
| 19                     | " n                                  | "          | 46 43,012  | 11                           | 43 18,587   | +0,215 | -0,115 | -0,342 | 819                         | 41 46,526  | -2,573                           | 3,582               | - 33                  | 41 40,338  |
| 20                     | " v                                  | "          | 53 30,280  | 11                           | 50 5,853  | +0,213 | -0,117 | -0,342 | 818                         | 48 33,789  | -2,571                           | 3,566               | - 4                   | 48 27,648  |
| 21                     | " s                                  | "          | 59 27,273  | 11                           | 56 2,843  | +0,222 | -0,110 | -0,348 | 817                         | 54 30,790  | -2,629                           | 3,637               | - 24                  | 54 24,500  |
| 22                     | " Gemorum                            | "          | 6 13 53,170  | 11                           | 6 10 28,736                                       | +0,221 | -0,112 | -0,348 | 816                         | 6 8 56,681   | -2,636                           | 3,627               | + 2                   | 6 8 50,420   |
| 23                     | " Gemorum                            | "          | 21 57,411  | 23                           | 18 32,974   | +0,222 | -0,112 | -0,348 | 818                         | 17 0,922   |                                  |                     | + 4                   |  |
| 24                     | 10 Monocerotis                       | "          | 28 3,152   | 23                           | 24 38,713   | +0,129 | -0,176 | -0,322 | 762                         | 23 6,574   |                                  |                     | - 8                   |  |
| 25                     | H 46 25 <sup>m</sup> 40 <sup>s</sup> | "          | 30 55,795  | 24                           | 27 31,355   |        |        |        |                             |  |                                  |                     |                       |  |
| 26                     | H 17 31 <sup>m</sup> 0 <sup>s</sup>  | "          | 34 24,434  | 25                           |   |        |        |        |                             |  |                                  |                     |                       |  |
| Januar 11 Arm West.    |                                      |            |  |                              |   |        |        |        |                             |  |                                  |                     |                       |  |
| 1                      | " Tauri                              | B          | 5 2 14,252   | 11                           | 4 58 44,723                                       | +0,149 | -0,156 | -0,318 | 31,299                      | 4 57 13,099  | -2,451                           | 3,578               | - 13                  | 4 57 7,057   |
| 2                      | H 17 6 <sup>m</sup> 0 <sup>s</sup>   | "          | 9 29,534   | 25                           |   |        |        |        |                             |  |                                  |                     |                       |  |
| 3                      | 108 Tauri                            | "          | 14 34,263  | 11                           | 5 11 4,725  | +0,151 | -0,154 | -0,320 | 298                         | 5 9 33,104   | -2,504                           | 3,604               | - 34                  | 5 9 26,962   |
| 4                      | " Tauri                              | "          | 18 23,359  | 11                           | 14 53,818   | +0,151 | -0,155 | -0,319 | 298                         | 13 22,197  | -2,511                           | 3,601               | - 19                  | 13 16,066  |
| 5                      | Neptun c                             | "          | 26 45,051  | 10                           | 23 15,504   | +0,149 | -0,157 | -0,320 | 297                         | 21 43,879  | -2,532                           | 3,601               | - 14                  | 21 37,732  |
| 6                      | " g                                  | "          | 34 1,239   | 11                           | 30 31,687   | +0,150 | -0,155 | -0,321 | 296                         | 29 0,065   | -2,563                           | 3,621               | - 94                  | 28 53,787  |
| 7                      | " i                                  | "          | 41 8,685   | 10                           | 37 39,127   | +0,151 | -0,155 | -0,322 | 295                         | 36 7,506   | -2,581                           | 3,626               | - 39                  | 36 1,260   |
| 8                      | " m                                  | "          | 46 20,119  | 10                           | 42 50,558   | +0,150 | -0,156 | -0,321 | 295                         | 41 18,936  | -2,590                           | 3,624               | - 69                  | 41 12,653  |
| 9                      | " p                                  | "          | 52 25,762  | 10                           | 48 56,197   | +0,148 | -0,159 | -0,320 | 293                         | 47 24,573  | -2,594                           | 3,613               | - 102                 | 47 18,264  |
| 11                     | " t                                  | "          | 6 3 10,070   | 9                            | 59 40,497   | +0,152 | -0,156 | -0,324 | 292                         | 58 8,877   | -2,636                           | 3,648               | - 4                   | 58 2,589   |
| 12                     | 3 Gemorum                            | "          | 8 47,262   | 11                           | 6 5 17,684  | +0,151 | -0,157 | -0,324 | 291                         | 6 3 46,063   | -2,641                           | 3,644               | - 26                  | 6 3 39,752   |
| 14                     | 5 Gemorum                            | "          | 44 47,847  | 19                           | 41 18,243   | +0,126 | -0,196 | -0,307 | 375                         | 39 46,497  |                                  |                     | + 6                   |  |
| 15                     | 18 Monocerotis                       | "          | 47 45,788  | 9                            | 44 16,181   | +0,103 | -0,231 | -0,299 | 406                         | 42 44,335  |                                  |                     | - 13                  |  |
| 16                     | 25 Monocerotis                       | "          | 7 37 25,186  | 23                           | 7 33 55,543                                       | +0,087 | -0,260 | -0,301 | 301                         | 7 32 23,748  |                                  |                     | - 20                  |  |
| 17                     | 4 Gemorum                            | "          | 43 32,262  | 14                           | 40 2,615  | +0,152 | -0,160 | -0,330 | 311                         | 38 30,969  |                                  |                     | + 3                   |  |
| 18                     | 7 Gemorum                            | "          | 46 11,534  | 19                           | 42 41,885   | +0,178 | -0,120 | -0,361 | 209                         | 41 10,353  |                                  |                     | - 20                  |  |
| 19                     | H 46 48 <sup>m</sup> 0 <sup>s</sup>  | "          | 53 22,777  | 28                           | 49 53,123   |        |        |        |                             |  |                                  |                     |                       |  |
| 20                     | H 17 58 <sup>m</sup> 0 <sup>s</sup>  | "          | 8 1 29,660   | 25                           |   |        |        |        |                             |  |                                  |                     |                       |  |
| Januar 14 Arm West.    |                                      |            |  |                              |   |        |        |        |                             |  |                                  |                     |                       |  |
| 1                      | Polaris O.C.m.P                      | P          | -  | 16                           | 1 24 51,46  | +6,09  | +8,05  | -13,92 | 30,66                       | 1 23 21,02   |                                  |                     |                       |  |
| 2                      | " " o.P.                             | "          | -  | 16                           | 24 52,61  | "      | "      | "      | 66                          | 23 22,17   |                                  |                     |                       |  |
| 3                      | H 17 44 <sup>m</sup> 10 <sup>s</sup> | "          | 4 47 42,712  | 24                           |   |        |        |        |                             |  |                                  |                     |                       |  |
| 4                      | " <sup>4</sup> Orionis               | "          | 51 1,650   | 9                            | 4 47 28,938                                       | +0,112 | -0,219 | -0,300 | 30,449                      | 4 45 58,081  |                                  |                     | - 1                   |  |

Jan. 6. (10) nur in Decl. Jan. 11. Luft zuerst 2-3, nachher 3-4, zum Schlusse 4-5; (9) bis (15) Geschwindigkeit des Registrirapparates sehr gering; dadurch A.R. von (10) und (13) verloren, und von den 5 andern Sternen unsicher und zu verwerfen.  
Jan. 14. (1) und (2). Luft 3.

| Nr.                     | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich             | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17             | i I.   | k K.   | c C.   | Corr. von Hohwü 17 | Scheinbare Rect-ascension                         | Red. auf Jahres-anfang | Red. f. Precession | Helligk. Gleichung | Rectascension 1900,0                              |
|-------------------------|--------------------------------------|------------|--|---------------------------|--|--------|--------|--------|--------------------|---|------------------------|--------------------|--------------------|---|
| 1901 Januar 14 (Forts.) |                                      |            |  |                           |  |        |        |        |                    |   |                        |                    |                    |   |
| 5                       | $\pi^5$ Orionis                      | P          | 4 <sup>h</sup> 54 <sup>m</sup> 11 <sup>s</sup> 292 | 23                        | 4 <sup>h</sup> 50 <sup>m</sup> 38 <sup>s</sup> 578 | +0,105 | -0,229 | -0,299 | 30,424             | 4 <sup>h</sup> 49 <sup>m</sup> 7 <sup>s</sup> 730 | -                      | -                  | - 1                |   |
| 6                       | $\epsilon$ Aurigae                   | "          | 5 58,251   | 10                        | 5 25,532   | +0,220 | -0,061 | -0,413 | 453                | 5 54,829  | -                      | -                  | + 4                |   |
| 7                       | $\nu$ Tauri                          | "          | 5 2 16,588   | 11                        | 5 8 43,867   | +0,149 | -0,164 | -0,320 | 423                | 5 7 13,109  | -2,431                 | 3,578              | - 5                | 4 <sup>h</sup> 57 <sup>m</sup> 7 <sup>s</sup> 095 |
| 8                       | H 46 5 <sup>m</sup> 30 <sup>s</sup>  | "          | 10 56,625  | 25                        | 5 7 23,897   |        |        |        |                    |   |                        |                    |                    |   |
| 9                       | 108 Tauri                            | "          | 14 36,565  | 7                         | 11 3,835   | +0,150 | -0,161 | -0,324 | 422                | 5 9 33,078  | -2,486                 | 3,604              | - 16               | 5 9 26,972  |
| 10                      | $\eta$ Tauri                         | "          | 18 25,706  | 10                        | 14 52,973  | +0,148 | -0,162 | -0,324 | 421                | 13 22,214   | -2,495                 | 3,601              | - 8                | 13 16,110   |
| 11                      | Neptun <i>b</i>                      | "          | 24 23,238  | 11                        | 20 50,501  | +0,144 | -0,168 | -0,320 | 420                | 19 19,737   | -2,485                 | 3,564              | - 24               | 19 13,664   |
| 12                      | " <i>e</i>                           | "          | 29 18,418  | 11                        | 25 45,677  | +0,145 | -0,165 | -0,322 | 419                | 24 14,916   | -2,514                 | 3,588              | - 56               | 24 3,758  |
| 13                      | " <i>h</i>                           | "          | 36 49,682  | 11                        | 33 16,935  | +0,144 | -0,166 | -0,322 | 417                | 31 46,174   | -2,531                 | 3,581              | + 5                | 31 40,064   |
| 14                      | " <i>l</i>                           | "          | 42 32,172  | 11                        | 38 59,420  | +0,144 | -0,165 | -0,322 | 416                | 37 28,661   | -2,550                 | 3,593              | - 43               | 37 22,475   |
| 15                      | " <i>n</i>                           | "          | 46 49,970  | 11                        | 43 17,215  | +0,143 | -0,167 | -0,321 | 415                | 41 45,455   | -2,552                 | 3,582              | - 33               | 41 40,288   |
| 16                      | " <i>p</i>                           | "          | 52 27,883  | 11                        | 48 55,123  | +0,145 | -0,162 | -0,325 | 414                | 47 24,367   | -2,587                 | 3,613              | - 56               | 47 18,111   |
| 17                      | " <i>r</i>                           | "          | 58 49,074  | 11                        | 55 16,309  | +0,142 | -0,164 | -0,324 | 413                | 53 45,550   | -2,591                 | 3,602              | - 22               | 53 39,335   |
| 18                      | " <i>t</i>                           | "          | 6 3 12,268   | 11                        | 59 39,500  | +0,146 | -0,158 | -0,327 | 412                | 58 3,749  | -2,631                 | 3,648              | - 2                | 58 2,468  |
| 19                      | 3 Geminorum                          | "          | 8 49,456   | 11                        | 6 5 16,683   | +0,144 | -0,159 | -0,327 | 411                | 6 3 45,930  | -2,639                 | 3,644              | - 11               | 6 3 39,636  |
| 20                      | $\eta$ Geminorum                     | "          | 14 0,253   | 11                        | 10 27,476  | +0,143 | -0,161 | -0,326 | 410                | 8 56,722  | -2,636                 | 3,627              | + 2                | 8 50,461  |
| 21                      | H 17 16 <sup>m</sup> 15 <sup>s</sup> | "          | 19 47,776  | 25                        |  |        |        |        |                    |   |                        |                    |                    |   |
| 22                      | $\mu$ Geminorum                      | "          | 22 4,496   | 12                        | 18 31,713  | +0,142 | -0,161 | -0,326 | 447                | 17 0,925  | -                      | -                  | + 4                |   |
| 23                      | H 17 32 <sup>m</sup> 20 <sup>s</sup> | "          | 7 34 52,842  | 24                        |  |        |        |        |                    |   |                        |                    |                    |   |
| 24                      | $\kappa$ Geminorum                   | "          | 43 34,553  | 11                        | 7 40 1,707   | +0,144 | -0,151 | -0,333 | 394                | 7 38 30,973                                       | -2,689                 | 3,630              | + 1                | 7 38 24,655                                       |
| 25                      | $\phi$ Geminorum                     | "          | 52 32,669  | 11                        | 48 59,815  | +0,150 | -0,141 | -0,341 | 392                | 47 29,091   | -2,720                 | 3,681              | - 7                | 47 22,683   |
| 26                      | Mars <i>a</i>                        | "          | 8 0 2,774  | 11                        | 56 29,914  | +0,147 | -0,146 | -0,337 | 391                | 54 59,187   | -2,682                 | 3,636              | - 15               | 54 52,854   |
| 27                      | " <i>c</i>                           | "          | 7 15,753   | 11                        | 8 3 42,887   | +0,145 | -0,149 | -0,335 | 389                | 8 2 12,159  | -2,657                 | 3,610              | - 58               | 8 2 5,834   |
| 28                      | " <i>f</i>                           | "          | 9 35,736   | 8                         | 6 2,868  | +0,147 | -0,146 | -0,338 | 389                | 4 32,142  | -2,666                 | 3,626              | - 14               | 4 25,836  |
| 29                      | " <i>h</i>                           | "          | 13 54,099  | 11                        | 10 21,228  | +0,145 | -0,148 | -0,335 | 388                | 8 50,502  | -2,644                 | 3,601              | - 58               | 8 44,199  |
| 30                      | " <i>l</i>                           | "          | 21 6,654   | 11                        | 17 33,778  | +0,141 | -0,154 | -0,331 | 387                | 16 3,047  | -2,600                 | 3,549              | - 43               | 15 56,855   |
| 31                      | " <i>n</i>                           | "          | 26 41,651  | 11                        | 23 8,771   | +0,141 | -0,154 | -0,331 | 385                | 21 38,042   | -2,590                 | 3,546              | - 59               | 21 31,867   |
| 32                      | $\eta$ Cancri                        | "          | 32 5,228   | 10                        | 28 32,344  | +0,134 | -0,163 | -0,326 | 384                | 27 1,605  | -2,539                 | 3,479              | - 11               | 26 55,576   |
| 33                      | H 46 32 <sup>m</sup> 20 <sup>s</sup> | "          | 37 46,829  | 25                        | 34 13,940  |        |        |        |                    |   |                        |                    |                    |   |
| 34                      | $\gamma$ Cancri                      | "          | 42 39,606  | 11                        | 39 6,713   | +0,137 | -0,159 | -0,329 | 382                | 37 35,980   | -2,525                 | 3,487              | - 5                | 37 29,963   |
| 35                      | $\nu$ Cancri                         | "          | 45 48,680  | 9                         | 42 15,784  | +0,155 | -0,131 | -0,349 | 382                | 40 45,077   | -2,624                 | 3,642              | - 1                | 40 38,810   |
| 36                      | H 17 49 <sup>m</sup> 20 <sup>s</sup> | "          | 52 52,902  | 24                        |  |        |        |        |                    |   |                        |                    |                    |   |
| Januar 17 Arm West.     |                                      |            |  |                           |  |        |        |        |                    |   |                        |                    |                    |   |
| 1                       | Polaris O.C. o.P.                    | P          | -  | 18                        | 1 24 50,34   | +5,00  | +8,22  | -13,40 | 30,13              | 1 23 20,03  | -                      | -                  | -                  |   |
| 2                       | " " m.P.                             | "          | -  | 15                        | 24 50,61   | "      | "      | "      | 13                 | 2 20,30   | -                      | -                  | -                  |   |
| 3                       | $\nu$ Tauri                          | B          | 5 2 19,401   | 11                        | 4 58 43,475  | +0,109 | -0,152 | -0,315 | 30,097             | 4 57 13,020                                       | -2,425                 | 3,578              | - 13               | 4 57 7,004  |
| 4                       | H 17 8 <sup>m</sup> 0 <sup>s</sup>   | "          | 11 35,932  | 26                        |  |        |        |        |                    |   |                        |                    |                    |   |
| 5                       | 108 Tauri                            | "          | 14 39,421  | 11                        | 5 11 3,488   | +0,109 | -0,149 | -0,316 | 096                | 5 9 33,035  | -2,484                 | 3,604              | - 34               | 5 9 26,913  |
| 6                       | $\eta$ Tauri                         | "          | 18 28,560  | 8                         | 14 52,625  | +0,109 | -0,149 | -0,316 | 096                | 13 22,172   | -2,494                 | 3,601              | - 19               | 13 16,058   |
| 7                       | Neptun <i>b</i>                      | "          | 24 26,155  | 10                        | 20 50,217  | +0,106 | -0,154 | -0,313 | 095                | 19 19,761   | -2,485                 | 3,564              | - 44               | 19 13,668   |
| 8                       | " <i>e</i>                           | "          | 29 21,347  | 11                        | 25 45,406  | +0,107 | -0,151 | -0,314 | 094                | 24 14,954   | -2,515                 | 3,588              | - 102              | 24 3,749  |
| 9                       | " <i>h</i>                           | "          | 36 52,551  | 8                         | 33 16,605  | +0,106 | -0,152 | -0,314 | 094                | 31 46,151   | -2,534                 | 3,584              | + 12               | 31 40,045   |
| 10                      | " <i>l</i>                           | "          | 42 35,102  | 10                        | 38 59,153  | +0,106 | -0,150 | -0,315 | 093                | 37 28,701   | -2,555                 | 3,593              | - 77               | 37 22,476   |
| 11                      | " <i>o</i>                           | "          | 50 58,443  | 11                        | 47 22,489  | +0,110 | -0,144 | -0,319 | 092                | 45 52,044   | -2,616                 | 3,649              | - 46               | 45 45,733   |
| 12                      | " <i>q</i>                           | "          | 58 10,285  | 11                        | 54 34,327  | +0,105 | -0,152 | -0,313 | 092                | 53 3,875  | -2,581                 | 3,577              | - 102              | 52 57,615   |

Jan. 14. Luft 2-3. Jan. 17. (1) und (2) Luft 1-2.

| Nr.                     | Stern                 | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17 | i I.    | k K.    | c C.     | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Præcession | Heiligk. Gleichung | Rectascension<br>1900,0 |
|-------------------------|-----------------------|------------|--|------------------------------|--|---------|---------|----------|-----------------------------|----------------------------------|----------------------------------|--------------------|--------------------|-------------------------|
| 1901 Januar 17 (Forts.) |                       |            |  |                              |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 13                      | Neptun <i>t</i>       | B          | 6h 3m 15s 194                                | 8                            | 5h 59m 39s 233                               | +0s 109 | -0s 143 | - 0s 320 | 30s 091                     | 5h 58m 8s 788                    | -2s 642                          | 3s 648             | - 4                | 5h 58m 2s 494           |
| 14                      | 3 Geminorum           | "          | 8 52,395                                     | 11                           | 6 5 16,431                                   | +0,108  | -0,144  | - 0,320  | 090                         | 6 3 45,985                       | -2,651                           | 3,644              | - 26               | 6 3 39,664              |
| 15                      | $\eta$ Geminorum      | "          | 14 3,154                                     | 11                           | 10 27,187                                    | +0,107  | -0,146  | - 0,318  | 090                         | 8 56,740                         | -2,649                           | 3,627              | + 4                | 8 50,468                |
| 16                      | $\mu$ Geminorum       | "          | 22 7,389                                     | 23                           | 18 31,418                                    | +0,106  | -0,145  | - 0,318  | 128                         | 17 0,943                         |                                  |                    | + 10               |                         |
| 17                      | 10 Monocerotis        | "          | 28 13,168                                    | 19                           | 24 37,193                                    | +0,062  | -0,228  | - 0,295  | 123                         | 23 6,590                         |                                  |                    | - 19               |                         |
| 18                      | $\gamma$ Geminorum    | "          | 37 8,588                                     | 19                           | 33 32,608                                    | +0,096  | -0,164  | - 0,307  | 118                         | 32 2,146                         |                                  |                    | + 32               |                         |
| 19                      | H 46 39m 0s           | "          | 44 30,816                                    | 24                           | 40 54,832                                    |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 20                      | H 17 44m 0s           | "          | 47 35,986                                    | 23                           |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 21                      | H 17 32m 30s          | P          | 7 36 6,022                                   | 25                           |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 22                      | $\alpha$ Geminorum    | "          | 43 37,312                                    | 10                           | 7 40 1,287                                   | +0,106  | -0,134  | - 0,325  | 29,881                      | 7 38 31,053                      | -2,731                           | 3,630              | + 1                | 7 38 24,693             |
| 23                      | $\rho$ Geminorum      | "          | 52 35,408                                    | 11                           | 48 59,379                                    | +0,111  | -0,125  | - 0,331  | 880                         | 47 29,154                        | -2,766                           | 3,681              | - 7                | 47 22,700               |
| 24                      | Mars <i>b</i>         | "          | 8 0 15,061                                   | 11                           | 56 39,028                                    | +0,105  | -0,135  | - 0,323  | 879                         | 55 8,796                         | -2,698                           | 3,591              | - 18               | 55 2,489                |
| 25                      | " <i>c</i>            | "          | 7 18,473                                     | 11                           | 8 3 42,437                                   | +0,106  | -0,131  | - 0,325  | 879                         | 8 2 12,208                       | -2,706                           | 3,610              | - 58               | 8 2 5,834               |
| 26                      | " <i>f</i>            | "          | 9 38,509                                     | 10                           | 6 2,472                                      | +0,106  | -0,128  | - 0,328  | 878                         | 4 32,244                         | -2,716                           | 3,626              | - 14               | 4 25,888                |
| 27                      | " <i>h</i>            | "          | 13 56,792                                    | 10                           | 10 20,753                                    | +0,105  | -0,131  | - 0,325  | 878                         | 8 50,524                         | -2,695                           | 3,601              | - 58               | 8 44,170                |
| 28                      | " <i>i</i>            | "          | 19 53,769                                    | 11                           | 16 17,727                                    | +0,106  | -0,128  | - 0,327  | 877                         | 14 47,501                        | -2,693                           | 3,607              | - 30               | 14 41,171               |
| 29                      | " <i>n</i>            | "          | 26 44,406                                    | 11                           | 23 8,361                                     | +0,102  | -0,135  | - 0,322  | 877                         | 21 38,129                        | -2,644                           | 3,546              | - 39               | 21 31,900               |
| 30                      | $\eta$ Cancri         | "          | 32 7,987                                     | 11                           | 28 31,940                                    | +0,097  | -0,143  | - 0,316  | 876                         | 27 1,702                         | -2,594                           | 3,479              | - 11               | 26 55,618               |
| 31                      | H 46 32m 30s          | "          | 37 0,913                                     | 25                           | 33 24,863                                    |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 32                      | $\gamma$ Cancri       | "          | 42 42,362                                    | 11                           | 39 6,310                                     | +0,099  | -0,139  | - 0,319  | 875                         | 37 36,076                        | -2,583                           | 3,487              | - 5                | 37 30,001               |
| 33                      | $\iota$ Cancri        | "          | 45 51,406                                    | 10                           | 42 15,352                                    | +0,112  | -0,114  | - 0,339  | 875                         | 40 45,136                        | -2,686                           | 3,642              | - 1                | 40 38,807               |
| 34                      | $\zeta$ Hydrae        | "          | 55 18,417                                    | 23                           | 51 42,359                                    | +0,074  | -0,182  | - 0,298  | 885                         | 50 12,071                        |                                  |                    | + 3                |                         |
| 35                      | $\alpha$ Cancri       | "          | 58 13,161                                    | 23                           | 54 37,102                                    | +0,083  | -0,166  | - 0,303  | 856                         | 53 6,856                         |                                  |                    | - 4                |                         |
| 36                      | H 17 57m 50s          | "          | 9 1 26,060                                   | 25                           |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| Januar 23 Arm West.     |                       |            |  |                              |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 1                       | $\delta$ Orionis      | B          | 5 32 10,455                                  | 15                           | 5 28 28,959                                  | +0,048  | -0,147  | - 0,286  | 29,521                      | 5 26 59,074                      |                                  |                    | + 21               |                         |
| 2                       | $\varepsilon$ Orionis | "          | 36 24,936                                    | 19                           | 32 43,437                                    | +0,047  | -0,149  | - 0,286  | 539                         | 31 13,549                        |                                  |                    | + 39               |                         |
| 3                       | H 46 36m 0s           | "          | 41 37,621                                    | 25                           | 37 56,119                                    |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 4                       | $\alpha$ Orionis      | "          | 48 17,285                                    | 23                           | 44 35,780                                    | +0,038  | -0,166  | - 0,290  | 569                         | 43 5,817                         |                                  |                    | + 24               |                         |
| 5                       | H 17 49m 0s           | "          | 52 41,508                                    | 28                           |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| Februar 1 Arm West.     |                       |            |  |                              |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 1                       | $\S$ Canis maj.       | B          | 6 54 56,521                                  | 23                           | 6 51 9,066                                   | +0,070  | -0,136  | - 0,300  | 30,936                      | 6 49 37,754                      |                                  |                    | - 10               |                         |
| 2                       | H 46 54m 0s           | "          | 59 45,453                                    | 26                           | 55 57,996                                    |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 3                       | $\zeta$ Geminorum     | "          | 7 3 35,517                                   | 20                           | 59 48,058                                    | +0,144  | -0,082  | - 0,314  | 832                         | 58 16,971                        |                                  |                    | - 3                |                         |
| 4                       | 63 Aurigae            | "          | 10 12,586                                    | 23                           | 7 6 25,124                                   | +0,200  | -0,042  | - 0,381  | 895                         | 7 4 53,990                       |                                  |                    | - 16               |                         |
| 5                       | H 17 12m 0s           | "          | 15 47,464                                    | 34                           |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| Februar 4 Arm West.     |                       |            |  |                              |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 1                       | 18 Monocerotis        | B          | 6 48 5,070                                   | 20                           | 6 44 15,965                                  | +0,118  | -0,073  | - 0,298  | 31,353                      | 6 42 44,346                      |                                  |                    | - 13               |                         |
| 2                       | $\S$ Geminorum        | "          | 51 39,466                                    | 21                           | 47 50,359                                    | +0,208  | -0,036  | - 0,360  | 316                         | 46 18,856                        |                                  |                    | + 1                |                         |
| 3                       | $\S$ Canis maj.       | "          | 54 58,529                                    | 14                           | 51 9,421                                     | +0,081  | -0,088  | - 0,305  | 357                         | 49 37,742                        |                                  |                    | - 10               |                         |
| 4                       | H 46 54m 0s           | "          | 59 48,015                                    | 24                           | 55 58,905                                    |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 5                       | H 17 1m 0s            | "          | 7 4 49,112                                   | 24                           |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| Februar 6 Arm West.     |                       |            |  |                              |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 1                       | H 17 54m 0s           | P          | 4 57 50,192                                  | 25                           |  |         |         |          |                             |                                  |                                  |                    |                    |                         |
| 2                       | $\iota$ Tauri         | "          | 5 2 34,648                                   | 23                           | 4 58 44,455                                  | +0,098  | -0,016  | - 0,316  | 31,364                      | 4 57 12,857                      | -2,231                           | 3,578              | - 5                | 4 57 7,043              |

Jan. 23. Luft 3-4; alles feucht. Febr. 1. Wolken. Febr. 4. Wolken, Luft 4.

| Nr.                     | Stern                               | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich  | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17  | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                  | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Procession | Helligk.<br>Gleichung | Rectascension<br>1900,0                           |
|-------------------------|-------------------------------------|------------|---|------------------------------|---|--------|--------|---------|-----------------------------|---|----------------------------------|--------------------|-----------------------|---|
| 1901 Februar 6 (Forts.) |                                     |            |   |                              |   |        |        |         |                             |   |                                  |                    |                       |   |
| 3                       | H46 0 <sup>m</sup> 35 <sup>s</sup>  | P          | 5 <sup>h</sup> 6 <sup>m</sup> 24 <sup>s</sup> 726 | 25                           | 5 <sup>h</sup> 2 <sup>m</sup> 34 <sup>s</sup> 531 |        |        |         | -1 <sup>m</sup>             |   |                                  |                    |                       |   |
| 4                       | 108 Tauri                           | "          | 14 54,702   | 11                           | 11 4,503  | +0,099 | -0,016 | - 0,318 | 318,363                     | 5 <sup>h</sup> 9 <sup>m</sup> 32 <sup>s</sup> 905 | -2,305                           | 3,604              | - 16                  | 5 <sup>h</sup> 9 <sup>m</sup> 26 <sup>s</sup> 980 |
| 5                       | n Tauri                             | "          | 18 43,785   | 7                            | 14 53,584   | +0,099 | -0,016 | - 0,317 | 363                         | 13 21,987   | -2,320                           | 3,601              | - 8                   | 13 16,058   |
| 6                       | Neptun d                            | "          | 27 19,230   | 10                           | 23 29,025   | +0,101 | -0,016 | - 0,320 | 363                         | 21 57,427   | -2,383                           | 3,638              | - 56                  | 21 51,350   |
| 7                       | " g                                 | "          | 34 21,618   | 11                           | 30 31,410   | +0,099 | -0,016 | - 0,318 | 362                         | 28 59,813   | -2,402                           | 3,621              | - 51                  | 28 53,739   |
| 8                       | " h                                 | "          | 37 7,878  | 15                           | 33 17,668   | +0,096 | -0,017 | - 0,315 | 362                         | 31 46,070   | -2,388                           | 3,584              | + 3                   | 31 40,095   |
| 9                       | " k                                 | "          | 42 42,989   | 11                           | 38 52,777   | +0,100 | -0,016 | - 0,320 | 362                         | 37 21,179   | -2,451                           | 3,642              | - 14                  | 37 15,072   |
| 10                      | " p                                 | "          | 52 46,061   | 9                            | 48 55,844   | +0,097 | -0,016 | - 0,318 | 361                         | 47 24,246   | -2,473                           | 3,613              | - 70                  | 47 18,090   |
| 11                      | " t                                 | "          | 6 3 30,512  | 11                           | 59 40,290   | +0,099 | -0,015 | - 0,321 | 361                         | 58 8,692  | -2,537                           | 3,648              | - 2                   | 58 2,505  |
| 12                      | 3 Geminorum                         | "          | 9 7,655   | 10                           | 6 5 17,430  | +0,099 | -0,015 | - 0,321 | 360                         | 6 3 45,833  | -2,556                           | 3,644              | - 30                  | 6 3 39,603  |
| 13                      | η Geminorum                         | "          | 14 18,506   | 11                           | 10 28,279   | +0,098 | -0,016 | - 0,319 | 360                         | 8 56,682  | -2,564                           | 3,627              | + 0                   | 8 50,491  |
| 14                      | H17 14 <sup>m</sup> 25 <sup>s</sup> | "          | 18 15,228   | 25                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| Februar 11 Arm West.    |                                     |            |   |                              |   |        |        |         |                             |   |                                  |                    |                       |   |
| 1                       | 63 Aurigae                          | P          | 7 10 18,689                                       | 23                           | 7 6 24,870  | +0,150 | -0,023 | - 0,375 | 30,714                      | 7 4 53,901  |                                  |                    | - 7                   |   |
| 2                       | H17 9 <sup>m</sup> 40 <sup>s</sup>  | "          | 13 33,822   | 24                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| 3                       | λ Geminorum                         | "          | 17 51,603   | 21                           | 13 57,779   | +0,101 | -0,049 | - 0,303 | 699                         | 12 26,830   |                                  |                    | + 1                   |   |
| 4                       | H46 14 <sup>m</sup> 30 <sup>s</sup> | "          | 20 24,496   | 25                           | 16 30,670   |        |        |         |                             |   |                                  |                    |                       |   |
| 5                       | ι Geminorum                         | "          | 25 2,308  | 23                           | 21 8,478  | +0,123 | -0,038 | - 0,329 | 687                         | 19 37,546   |                                  |                    | - 1                   |   |
| Februar 13 Arm West.    |                                     |            |   |                              |   |        |        |         |                             |   |                                  |                    |                       |   |
| 1                       | H17 54 <sup>m</sup> 0 <sup>s</sup>  | P          | 4 57 55,121                                       | 25                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| 2                       | ι Tauri                             | "          | 5 2 38,651  | 11                           | 4 58 43,529                                       | +0,087 | -0,007 | - 0,325 | 30,511                      | 4 57 12,773                                       | -2,119                           | 3,578              | - 5                   | 4 57 7,071  |
| 3                       | 108 Tauri                           | "          | 14 58,698   | 11                           | 5 11 3,571  | +0,088 | -0,006 | - 0,326 | 509                         | 5 9 32,818  | -2,197                           | 3,604              | - 16                  | 5 9 27,001  |
| 4                       | n Tauri                             | "          | 18 47,786   | 11                           | 14 52,657   | +0,088 | -0,006 | - 0,326 | 509                         | 13 21,904   | -2,213                           | 3,601              | - 8                   | 13 16,082   |
| 5                       | Neptun b                            | "          | 24 45,410   | 11                           | 20 50,280   | +0,086 | -0,006 | - 0,324 | 508                         | 19 19,528   | -2,218                           | 3,564              | - 24                  | 19 13,722   |
| 6                       | " d                                 | "          | 27 23,200   | 11                           | 23 28,069   | +0,089 | -0,005 | - 0,330 | 507                         | 21 57,316   | -2,278                           | 3,638              | - 56                  | 21 51,344   |
| 7                       | " f                                 | "          | 33 13,864   | 11                           | 29 18,731   | +0,085 | -0,004 | - 0,323 | 506                         | 27 47,983   | -2,258                           | 3,565              | - 15                  | 27 42,145   |
| 8                       | " h                                 | "          | 37 11,799   | 11                           | 33 16,664   | +0,086 | -0,004 | - 0,325 | 505                         | 31 45,916   | -2,288                           | 3,584              | + 5                   | 31 40,049   |
| 9                       | " k                                 | "          | 42 46,994   | 11                           | 38 51,857   | +0,089 | -0,004 | - 0,330 | 504                         | 37 21,108   | -2,351                           | 3,642              | - 14                  | 37 15,101   |
| 10                      | " m                                 | "          | 46 44,451   | 11                           | 42 49,312   | +0,088 | -0,004 | - 0,329 | 504                         | 41 18,563   | -2,358                           | 3,624              | - 39                  | 41 12,542   |
| 11                      | H46 44 <sup>m</sup> 35 <sup>s</sup> | "          | 50 31,202   | 25                           | 46 36,062   |        |        |         |                             |   |                                  |                    |                       |   |
| 12                      | Neptun γ                            | "          | 53 59,392   | 11                           | 50 4,251  | +0,085 | -0,003 | - 0,324 | 503                         | 48 33,506   | -2,351                           | 3,566              | - 4                   | 48 27,585   |
| 13                      | " s                                 | "          | 59 56,404   | 11                           | 56 1,261  | +0,089 | -0,002 | - 0,330 | 502                         | 54 30,516   | -2,424                           | 3,637              | - 24                  | 54 24,431   |
| 14                      | " t                                 | "          | 6 3 34,467  | 10                           | 59 39,323   | +0,091 | -0,002 | - 0,331 | 501                         | 58 8,580  | -2,447                           | 3,648              | - 2                   | 58 2,483  |
| 15                      | 3 Geminorum                         | "          | 9 11,611  | 11                           | 6 5 16,464  | +0,090 | -0,002 | - 0,332 | 500                         | 6 3 45,720  | -2,468                           | 3,644              | - 11                  | 6 3 39,597  |
| 16                      | η Geminorum                         | "          | 14 22,452   | 22                           | 10 27,303   | +0,089 | -0,001 | - 0,330 | 500                         | 8 56,561  | -2,478                           | 3,627              | + 2                   | 8 50,458  |
| 17                      | H17 13 <sup>m</sup> 20 <sup>s</sup> | "          | 17 15,150   | 24                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| Februar 20 Arm West.    |                                     |            |   |                              |   |        |        |         |                             |   |                                  |                    |                       |   |
| 1                       | H46 23 <sup>m</sup> 0 <sup>s</sup>  | B          | 8 29 1,416  | 25                           | 8 25 2,940  |        |        |         |                             |   |                                  |                    |                       |   |
| 2                       | η Cancri                            | "          | 32 29,996   | 14                           | 28 31,519   | +0,070 | -0,038 | - 0,327 | 29,330                      | 8 27 1,871  |                                  |                    | - 23                  |   |
| 3                       | H17 32 <sup>m</sup> 0 <sup>s</sup>  | "          | 35 58,478   | 27                           |   |        |        |         |                             |   |                                  |                    |                       |   |
| 4                       | δ Cancri                            | "          | 44 34,549   | 23                           | 40 36,068   | +0,068 | -0,040 | - 0,323 | 420                         | 39 6,349  |                                  |                    | - 4                   |   |
| 5                       | ε Hydrae                            | "          | 47 2,858  | 18                           | 43 4,376  | +0,055 | -0,049 | - 0,308 | 419                         | 41 34,659   |                                  |                    | + 4                   |   |
| März 5 Arm West.        |                                     |            |   |                              |   |        |        |         |                             |   |                                  |                    |                       |   |
| 1                       | η Leonis                            | P          | 10 7 33,281                                       | 11                           | 10 3 29,171                                       | +0,013 | +0,012 | - 0,290 | 29,957                      | 10 1 58,950                                       |                                  |                    | + 1                   |   |
| 2                       | λ Hydrae                            | "          | 11 22,743   | 23                           | 7 18,632  | +0,007 | +0,018 | - 0,283 | 961                         | 5 48,411  |                                  |                    | - 2                   |   |

Febr. 6. Luft 2-3, nachher Wolken; (8) mittl. Gr. 4,5; (10) an der Grenze der Sichtbarkeit, 9,5; (12) G. 7,5; (13) mittl. Gr. 4,0. Febr. 13. Luft 3. Febr. 20. Luft 3-4.

| Nr.                  | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich        | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17        | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                    | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0                            |
|----------------------|--------------------------------------|------------|---|------------------------------|---|--------|--------|---------|-----------------------------|---|----------------------------------|---------------------|-----------------------|--|
| 1901 März 5 (Forts.) |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                     |                       |  |
| 3                    | ζ Leonis                             | P          | 10 <sup>h</sup> 16 <sup>m</sup> 48 <sup>s</sup> 336 | 22                           | 10 <sup>h</sup> 12 <sup>m</sup> 44 <sup>s</sup> 223 | +0,014 | +0,010 | - 0,303 | 29,975                      | 10 <sup>h</sup> 11 <sup>m</sup> 13 <sup>s</sup> 970 |                                  |                     | + 1                   |  |
| 4                    | 46 13 <sup>m</sup> 30 <sup>s</sup>   | "          | 19 39,640   | 25                           | 15 35,546   |        |        |         |                             |   |                                  |                     |                       |  |
| 5                    | H 17 19 <sup>m</sup> 10 <sup>s</sup> | "          | 23 14,115   | 25                           |   |        |        |         |                             |   |                                  |                     |                       |  |
| 6                    | μ Hydrae                             | "          | 26 55,251   | 18                           | 22 51,135   | +0,006 | +0,019 | - 0,289 | 982                         | 21 20,885   |                                  |                     | - 4                   |  |
| März 13 Arm West.    |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                     |                       |  |
| 1                    | ζ Geminorum                          | P          | 7 3 54,787  | 23                           | 6 59 47,458   | -0,005 | +0,017 | - 0,295 | 30,669                      | 6 58 16,505   |                                  |                     | - 1                   |  |
| 2                    | H 46 1 <sup>m</sup> 0 <sup>s</sup>   | "          | 7 14,268  | 25                           | 7 3 6,938   |        |        |         |                             |   |                                  |                     |                       |  |
| 3                    | 63 Aurigae                           | "          | 10 31,786   | 23                           | 6 24,455  | -0,008 | +0,009 | - 0,358 | 650                         | 7 4 53,441  |                                  |                     | - 7                   |  |
| 4                    | H 17 10 <sup>m</sup> 15 <sup>s</sup> | "          | 14 22,332   | 21                           |   |        |        |         |                             |   |                                  |                     |                       |  |
| 5                    | λ Geminorum                          | "          | 18 4,773  | 23                           | 13 57,440   | -0,005 | +0,018 | - 0,288 | 682                         | 12 26,484   |                                  |                     | + 1                   |  |
| März 21 Arm West.    |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                     |                       |  |
| 1                    | H 17 28 <sup>m</sup> 50 <sup>s</sup> | P          | 7 33 0,746  | 25                           |   |        |        |         |                             |   |                                  |                     |                       |  |
| 2                    | 25 Monocerotis                       | "          | 38 6,100  | 16                           | 7 33 55,352   | -0,055 | +0,169 | - 0,286 | 31,826                      | 7 32 23,345   |                                  |                     | - 9                   |  |
| 3                    | α Canis min.                         | "          | 39 52,033   | 12                           | 35 41,284   | -0,068 | +0,148 | - 0,286 | 757                         | 34 9,340  |                                  |                     | - 19                  |  |
| 4                    | ζ Geminorum                          | "          | 44 13,538   | 10                           | 40 2,787  | -0,097 | +0,104 | - 0,314 | 814                         | 38 30,666   | -2,334                           | 3,630               | + 1                   | 7 <sup>h</sup> 38 <sup>m</sup> 24 <sup>s</sup> 703 |
| 5                    | ρ Geminorum                          | "          | 53 11,656   | 11                           | 49 0,902  | -0,102 | +0,098 | - 0,321 | 814                         | 47 28,763   | -2,409                           | 3,681               | - 7                   | 47 22,666  |
| 6                    | Mars a                               | "          | 8 0 41,852  | 11                           | 56 31,096   | -0,099 | +0,101 | - 0,317 | 814                         | 54 58,967   | -2,419                           | 3,636               | - 15                  | 54 52,897  |
| 7                    | " c                                  | "          | 7 41,478  | 11                           | 8 3 30,719  | -0,097 | +0,105 | - 0,314 | 814                         | 8 1 58,599  | -2,427                           | 3,593               | - 45                  | 8 1 52,534   |
| 8                    | " g                                  | "          | 13 35,148   | 11                           | 9 24,387  | -0,096 | +0,107 | - 0,313 | 814                         | .7 52,271   | -2,438                           | 3,564               | - 18                  | 7 46,251   |
| 9                    | " l                                  | "          | 21 45,890   | 11                           | 17 35,126   | -0,096 | +0,108 | - 0,312 | 814                         | 16 3,012  | -2,468                           | 3,549               | - 43                  | 15 56,952  |
| 10                   | " m                                  | "          | 26 32,032   | 11                           | 22 21,266   | -0,099 | +0,103 | - 0,316 | 814                         | 20 49,140   | -2,508                           | 3,579               | - 22                  | 20 43,031  |
| 11                   | γ Cancri                             | "          | 32 44,483   | 11                           | 28 33,714   | -0,093 | +0,114 | - 0,307 | 814                         | 27 1,614  | -2,476                           | 3,479               | - 11                  | 26 55,648  |
| 12                   | H 46 30 <sup>m</sup> 20 <sup>s</sup> | "          | 36 39,426   | 25                           | 32 28,656   |        |        |         |                             |   |                                  |                     |                       |  |
| 13                   | γ Cancri                             | "          | 43 18,923   | 11                           | 39 8,150  | -0,095 | +0,112 | - 0,310 | 814                         | 37 36,043   | -2,527                           | 3,487               | - 5                   | 37 30,024  |
| 14                   | δ Cancri                             | "          | 46 28,044   | 13                           | 42 17,270   | -0,107 | +0,092 | - 0,330 | 814                         | 40 45,111   | -2,641                           | 3,642               | - 1                   | 40 38,827  |
| 15                   | H 17 46 <sup>m</sup> 10 <sup>s</sup> | "          | 50 20,775   | 25                           |   |        |        |         |                             |   |                                  |                     |                       |  |
| März 22 Arm West.    |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                     |                       |  |
| 1                    | Polaris U.C.o.P.                     | P          | —   | 14                           | 13 23 41,53   | +2,85  | +3,62  | +13,75  | 31,94                       | 13 22 29,81   |                                  |                     |                       |  |
| 2                    | " " m.P.                             | "          | —   | 18                           | 23 42,27  | "      | "      | "       | 94                          | 22 30,55  |                                  |                     |                       |  |
| März 25 Arm West.    |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                     |                       |  |
| 1                    | α Hydrae                             | B          | 9 28 29,941   | 21                           | 9 24 17,813   | -0,012 | +0,065 | - 0,297 | 31,808                      | 9 22 45,790   |                                  |                     | + 29                  |  |
| 2                    | H 46 33 <sup>m</sup> 0 <sup>s</sup>  | "          | 39 21,790   | 26                           | 35 9,658  |        |        |         |                             |   |                                  |                     |                       |  |
| 3                    | ε Leonis                             | "          | 46 0,865  | 23                           | 41 48,731   | -0,024 | +0,038 | - 0,323 | 746                         | 40 16,686   |                                  |                     | + 10                  |  |
| 4                    | μ Leonis                             | "          | 52 55,036   | 23                           | 48 42,900   | -0,025 | +0,036 | - 0,329 | 775                         | 47 10,803   |                                  |                     | - 4                   |  |
| 5                    | H 17 54 <sup>m</sup> 0 <sup>s</sup>  | "          | 58 12,137   | 27                           |   |        |        |         |                             |   |                                  |                     |                       |  |
| April 1 Arm West.    |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                     |                       |  |
| 1                    | δ Geminorum                          | B          | 7 25 25,420   | 21                           | 7 21 9,817  | +0,025 | +0,015 | - 0,312 | 32,707                      | 7 19 36,837   |                                  |                     | - 1                   |  |
| 2                    | β Canis min.                         | "          | 27 37,466   | 13                           | 23 21,862   | +0,018 | +0,023 | - 0,278 | 812                         | 21 48,823   |                                  |                     | + 10                  |  |
| 3                    | H 17 28 <sup>m</sup> 0 <sup>s</sup>  | "          | 32 15,606   | 25                           |   |        |        |         |                             |   |                                  |                     |                       |  |
| 4                    | 25 Monocerotis                       | "          | 38 11,846   | 23                           | 33 56,237   | +0,013 | +0,027 | - 0,276 | 805                         | 32 23,176   |                                  |                     | - 20                  |  |
| 5                    | H 46 32 <sup>m</sup> 0 <sup>s</sup>  | "          | 38 27,142   | 27                           | 34 11,533   |        |        |         |                             |   |                                  |                     |                       |  |
| 6                    | Polaris U.C.m.P                      | P          | —   | 14                           | 13 23 47,07   | -1,46  | +1,60  | +13,08  | 32,79                       | 13 22 27,50   |                                  |                     |                       |  |
| 7                    | " " o.P                              | "          | —   | 15                           | 23 46,74  | "      | "      | "       | 79                          | 22 27,17  |                                  |                     |                       |  |
| April 2 Arm West.    |                                      |            |   |                              |   |        |        |         |                             |   |                                  |                     |                       |  |
| 1                    | Polaris O.C.o.P.                     | B          | 1 22 0,09   | 14                           | 1 24 11,71  | +0,83  | -1,24  | -12,52  | 32,78                       | 1 22 26,00  |                                  |                     |                       |  |

März 21. Luft 1-2. März 22. Luft 2-3. April 1. (6) und (7) Luft 2. April 2. (1) und (2) Luft 3-4, schwach durch Wolken.

| Nr.                   | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17  | i I.               | k K.               | c C.                | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                  | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Præcession | Helligk.<br>Gleichung | Rectascension<br>1900,0                             |
|-----------------------|--------------------------------------|------------|--|------------------------------|---|--------------------|--------------------|---------------------|-----------------------------|---|----------------------------------|--------------------|-----------------------|---|
| 1901 April 2 (Forts.) |                                      |            |  |                              |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 2                     | Polaris O.C.m.P.                     | B          | 1 <sup>h</sup> 22 <sup>m</sup> 0 <sup>s</sup> 70 | 12                           | 1 <sup>h</sup> 24 <sup>m</sup> 12 <sup>s</sup> 32 | +0 <sup>s</sup> 83 | -1 <sup>s</sup> 24 | -12 <sup>s</sup> 52 | 32 <sup>s</sup> 78          | 1 <sup>h</sup> 22 <sup>m</sup> 26 <sup>s</sup> 61 |                                  |                    |                       |   |
| 3                     | H 46 39 <sup>m</sup> 0 <sup>s</sup>  | "          | 1 45 27,838                                      | 13                           |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 4                     | H 17 44 <sup>m</sup> 0 <sup>s</sup>  | "          | 48 16,215  | 12                           |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| April 4 Arm West.     |                                      |            |  |                              |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 1                     | H 17 47 <sup>m</sup> 0 <sup>s</sup>  | P          | 8 51 18,094                                      | 24                           |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 2                     | ζ Hydrae                             | "          | 56 2,950   | 23                           | 8 51 44,854                                       | -0,006             | +0,110             | -0,275              | 32,812                      | 8 50 11,874                                       |                                  |                    | + 3                   |   |
| 3                     | α Cancri                             | "          | 58 57,760  | 21                           | 54 39,662   | -0,006             | +0,100             | -0,279              | 773                         | 53 6,700  |                                  |                    | - 4                   |   |
| 4                     | H 46 57 <sup>m</sup> 20 <sup>s</sup> | "          | 9 3 50,034                                       | 25                           | 59 31,934   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 5                     | ε Hydrae                             | "          | 15 6,228   | 22                           | 9 10 48,122                                       | -0,004             | +0,115             | -0,273              | 831                         | 9 9 15,127  |                                  |                    | - 2                   |   |
| 6                     | Polaris U.C.o.P.                     | B          | 13 21 27,91                                      | 14                           | 13 23 39,86                                       | +0,73              | +4,71              | +12,94              | 33,01                       | 13 22 25,23                                       |                                  |                    |                       |   |
| 7                     | " " m.P.                             | "          | 21 28,83   | 15                           | 23 40,78  | "                  | "                  | "                   | 01                          | 22 26,15  |                                  |                    |                       |   |
| 8                     | H 46 46 <sup>m</sup> 0 <sup>s</sup>  | "          | 13 52 30,190                                     | 12                           |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 9                     | H 17 51 <sup>m</sup> 0 <sup>s</sup>  | "          | 55 18,240  | 16                           |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| April 7 Arm West.     |                                      |            |  |                              |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 1                     | H 17 8 <sup>m</sup> 0 <sup>s</sup>   | B          | 12 12 20,071                                     | 26                           |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 2                     | η Virginis                           | "          | 20 46,681  | 23                           | 12 16 26,607                                      | +0,010             | +0,115             | -0,271              | 33,200                      | 12 14 53,255                                      |                                  |                    | - 6                   |   |
| 3                     | H 46 17 <sup>m</sup> 0 <sup>s</sup>  | "          | 23 32,526  | 24                           | 19 12,451   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 4                     | 20 Comae                             | "          | 30 41,138  | 21                           | 26 21,060   | +0,016             | +0,080             | -0,290              | 168                         | 24 47,669   |                                  |                    | - 29                  |   |
| 5                     | 8 Canum ven.                         | "          | 34 59,038  | 23                           | 30 38,959   | +0,022             | +0,035             | -0,363              | 163                         | 29 5,483  |                                  |                    | - 7                   |   |
| 6                     | Polaris U.C.o.P.                     | B          | 13 21 30,21                                      | 13                           | 13 23 42,65                                       | -0,62              | +4,33              | +12,60              | 33,19                       | 13 22 25,77                                       |                                  |                    |                       |   |
| 7                     | " " m.P.                             | "          | 21 31,02   | 15                           | 23 43,46  | "                  | "                  | "                   | 19                          | 22 26,58  |                                  |                    |                       |   |
| April 17 Arm West.    |                                      |            |  |                              |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 1                     | 6 Canum ven.                         | B          | 12 27 1,758                                      | 13                           | 12 22 36,686                                      | -0,015             | +0,053             | -0,356              | 35,101                      | 12 21 1,247                                       |                                  |                    | - 20                  |   |
| 2                     | 20 Comae                             | "          | 30 48,031  | 9                            | 26 22,958   | -0,011             | +0,103             | -0,295              | 055                         | 24 47,671   |                                  |                    | - 29                  |   |
| 3                     | 8 Canum ven.                         | "          | 35 6,024   | 8                            | 30 40,949   | -0,016             | +0,045             | -0,369              | 123                         | 29 5,464  |                                  |                    | - 22                  |   |
| 4                     | H 46 34 <sup>m</sup> 0 <sup>s</sup>  | "          | 40 38,958  | 24                           | 36 13,882   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 5                     | H 17 42 <sup>m</sup> 0 <sup>s</sup>  | "          | 46 25,078  | 24                           |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| April 20 Arm West.    |                                      |            |  |                              |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 1                     | υ Leonis                             | P          | 11 37 56,661                                     | 11                           | 11 33 30,478                                      | +0,004             | +0,135             | -0,257              | 34,857                      | 11 31 55,503                                      | -2 <sup>s</sup> 712              | 3 <sup>s</sup> 072 | - 5                   | 11 <sup>h</sup> 31 <sup>m</sup> 49 <sup>s</sup> 714 |
| 2                     | H 17 39 <sup>m</sup> 50 <sup>s</sup> | "          | 44 16,186  | 24                           |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 3                     | β Virginis                           | "          | 51 36,221  | 5                            | 47 10,032   | +0,004             | +0,129             | -0,257              | 857                         | 45 35,051   | -2,746                           | 3,076              | - 1                   | 45 29,228   |
| 4                     | H 46 50 <sup>m</sup> 30 <sup>s</sup> | "          | 57 10,796  | 25                           | 52 44,605   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 5                     | b Virginis                           | "          | 12 0 56,594                                      | 11                           | 56 30,402   | +0,004             | +0,126             | -0,258              | 857                         | 54 55,417   | -2,766                           | 3,075              | - 9                   | 54 49,567   |
| 6                     | γ Virginis                           | "          | 6 13,904   | 23                           | 12 1 47,710                                       | +0,004             | +0,116             | -0,260              | 841                         | 12 0 12,726                                       |                                  |                    | - 3                   |   |
| 7                     | Jupiter I a                          | "          | 20 54,405  | 11                           | 16 28,205   | +0,004             | +0,133             | -0,257              | 857                         | 14 53,228   | -2,846                           | 3,073              | - 2                   | 12 14 47,307  |
| 8                     | " c                                  | "          | 27 45,941  | 11                           | 23 19,737   | +0,004             | +0,132             | -0,257              | 857                         | 21 44,759   | -2,866                           | 3,072              | - 39                  | 21 38,788   |
| 10                    | " g                                  | "          | 35 22,792  | 11                           | 30 56,585   | +0,004             | +0,134             | -0,257              | 857                         | 29 21,609   | -2,888                           | 3,075              | - 30                  | 29 15,616   |
| 11                    | P. XII 170                           | "          | 45 10,379  | 11                           | 40 44,168   | +0,004             | +0,137             | -0,258              | 857                         | 39 9,194  | -2,923                           | 3,082              | - 23                  | 39 3,166  |
| 12                    | 35 Virginis                          | "          | 48 52,995  | 15                           | 44 26,782   | +0,005             | +0,125             | -0,259              | 857                         | 42 51,796   | -2,880                           | 3,055              | - 19                  | 42 45,842   |
| 13                    | 37 Virginis                          | "          | 52 38,574  | 11                           | 48 12,360   | +0,005             | +0,125             | -0,259              | 857                         | 46 37,374   | -2,891                           | 3,056              | - 16                  | 46 31,411   |
| 14                    | δ Virginis                           | "          | 56 41,038  | 23                           | 52 14,823   | +0,005             | +0,125             | -0,259              | 866                         | 50 39,829   |                                  |                    | + 1                   |   |
| 15                    | ε Virginis                           | "          | 13 3 18,975                                      | 23                           | 58 52,757   | +0,005             | +0,111             | -0,263              | 867                         | 57 17,748   |                                  |                    | + 5                   |   |
| 16                    | H 17 2 <sup>m</sup> 10 <sup>s</sup>  | "          | 6 36,220   | 24                           |   |                    |                    |                     |                             |   |                                  |                    |                       |   |
| 17                    | Polaris U.C.m.P.                     | "          | -  | 12                           | 13 23 47,79                                       | -0,29              | +4,92              | +12,12              | 35,07                       | 13 22 29,47                                       |                                  |                    |                       |   |
| 18                    | " " o.P.                             | "          | -  | 13                           | 23 46,85  | "                  | "                  | "                   | 07                          | 22 28,53  |                                  |                    |                       |   |

April 4. (6) und (7) Luft 2. April 7. (6) und (7) Luft 3-4, Wolken. April 17. Wolken; (3) mittl. Gr. 5,5. April 20. Luft 3; (9) nur in Decl.; (17) und (18) Luft 3-4.

| Nr.                     | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich              | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17              | i I.   | k K.   | c C.   | Corr. von Hohwü 17 | Scheinbare Rectascension                            | Red. auf Jahresanfang | Red. f. Precession | Helligk. Gleichung | Rectascension 1900,0                                |
|-------------------------|--------------------------------------|------------|---|---------------------------|---|--------|--------|--------|--------------------|---|-----------------------|--------------------|--------------------|---|
| 1901 April 21 Arm West. |                                      |            |   |                           |   |        |        |        |                    |   |                       |                    |                    |   |
| 17                      | H 17 8 <sup>m</sup> 30 <sup>s</sup>  | P          | 15 <sup>h</sup> 12 <sup>m</sup> 56 <sup>s</sup> 868 | 16                        |   |        |        |        | -1 <sup>m</sup>    |   |                       |                    |                    |   |
| 18                      | 32 Librac                            | "          | 28 45,396   | 11                        | 15 <sup>h</sup> 24 <sup>m</sup> 18 <sup>s</sup> 517 | +0,002 | +0,163 | -0,270 | 34,880             | 15 <sup>h</sup> 22 <sup>m</sup> 43 <sup>s</sup> 532 | -3,248                | 3,376              | -16                | 15 <sup>h</sup> 22 <sup>m</sup> 36 <sup>s</sup> 892 |
| 19                      | γ Librac                             | "          | 36 4,303  | 11                        | 31 37,419   | +0,002 | +0,158 | -0,268 | 880                | 30 2,431  | -3,196                | 3,346              | -4                 | 29 55,885   |
| 20                      | z Librac                             | "          | 42 19,648   | 11                        | 37 52,760   | +0,001 | +0,168 | -0,275 | 880                | 36 17,774   | -3,293                | 3,453              | -11                | 36 11,017   |
| 21                      | β Serpentinis                        | "          | 47 41,718   | 23                        | 43 14,826   | +0,003 | +0,103 | -0,269 | 861                | 41 39,802   |                       |                    | 0                  |   |
| 22                      | μ Serpentinis                        | "          | 50 31,983   | 19                        | 46 5,089  | +0,002 | +0,137 | -0,260 | 900                | 44 30,069   |                       |                    | +1                 |   |
| 23                      | H 46 47 <sup>m</sup> 30 <sup>s</sup> | "          | 54 11,810   | 25                        | 49 44,913   |        |        |        |                    |   |                       |                    |                    |   |
| 24                      | Jupiter III β                        | "          | 16 3 26,921   | 11                        | 59 0,017  | +0,001 | +0,166 | -0,276 | 881                | 57 25,027   | -3,253                | 3,481              | -34                | 57 18,259   |
| 25                      | " ij                                 | "          | 7 6,001   | 11                        | 16 2 39,094   | +0,001 | +0,168 | -0,277 | 881                | 16 1 4,105  | -3,264                | 3,504              | -6                 | 16 0 57,331   |
| 26                      | " r                                  | "          | 13 56,256   | 11                        | 9 29,344  | +0,001 | +0,169 | -0,279 | 881                | 7 54,354  | -3,264                | 3,529              | -30                | 7 47,531  |
| 27                      | " t                                  | "          | 17 16,946   | 11                        | 12 50,032   | +0,001 | +0,167 | -0,276 | 881                | 11 15,043   | -3,223                | 3,502              | -27                | 11 8,291  |
| 28                      | " v                                  | "          | 20 56,593   | 11                        | 16 29,676   | +0,001 | +0,169 | -0,280 | 881                | 14 54,685   | -3,255                | 3,547              | -36                | 14 47,847   |
| 29                      | " λ                                  | "          | 25 44,525   | 11                        | 21 17,605   | +0,001 | +0,165 | -0,276 | 881                | 19 42,614   | -3,192                | 3,504              | -65                | 19 35,853   |
| 30                      | " π                                  | "          | 29 33,132   | 8                         | 25 6,210  | 0,000  | +0,168 | -0,279 | 881                | 23 31,218   | -3,222                | 3,549              | -49                | 23 24,398   |
| 31                      | " z                                  | "          | 32 40,890   | 10                        | 28 13,966   | 0,000  | +0,166 | -0,278 | 881                | 26 38,973   | -3,192                | 3,532              | -65                | 26 32,184   |
| 32                      | " k                                  | "          | 37 49,723   | 11                        | 33 22,795   | 0,000  | +0,169 | -0,280 | 881                | 31 47,803   | -3,207                | 3,570              | -54                | 31 40,972   |
| 33                      | " i                                  | "          | 40 49,348   | 7                         | 36 22,418   | 0,000  | +0,164 | -0,277 | 882                | 34 47,423   | -3,157                | 3,520              | -27                | 34 40,719   |
| 34                      | " σ                                  | "          | 45 16,376   | 11                        | 40 49,442   | 0,000  | +0,170 | -0,282 | 882                | 39 14,448   | -3,209                | 3,605              | -33                | 39 7,601  |
| 35                      | 49 Herculis                          | "          | 53 38,880   | 16                        | 49 11,940   | +0,001 | +0,101 | -0,270 | 847                | 47 36,905   |                       |                    | -19                |   |
| 36                      | 24 Ophiuchi                          | "          | 56 54,764   | 11                        | 52 27,821   | 0,000  | +0,170 | -0,283 | 882                | 50 52,826   | -3,163                | 3,614              | -16                | 50 46,033   |
| 37                      | η Ophiuchi                           | "          | 17 10 46,819  | 11                        | 17 6 19,867   | 0,000  | +0,154 | -0,271 | 882                | 17 4 44,868   | -2,941                | 3,435              | +5                 | 17 4 38,497   |
| 38                      | 36 Ophiuchip.a.                      | "          | 15 20,581   | 10                        | 10 53,625   | 0,000  | +0,175 | -0,292 | 882                | 9 18,626  | -3,172                | 3,722              | -15                | 9 11,717  |
| 39                      | H 17 14 <sup>m</sup> 50 <sup>s</sup> | "          | 19 16,958   | 25                        |   |        |        |        |                    |   |                       |                    |                    |   |
| April 22 Arm West.      |                                      |            |   |                           |   |        |        |        |                    |   |                       |                    |                    |   |
| 20                      | H 17 14 <sup>m</sup> 50 <sup>s</sup> | P          | 15 19 17,580  | 25                        |   |        |        |        |                    |   |                       |                    |                    |   |
| 21                      | 32 Librac                            | "          | 28 46,157   | 8                         | 15 24 18,571  | -0,008 | +0,193 | -0,270 | 34,901             | 15 22 43,585  | -3,271                | 3,376              | -16                | 15 22 36,922  |
| 22                      | γ Librac                             | "          | 36 4,974  | 11                        | 31 37,383   | -0,009 | +0,189 | -0,268 | 902                | 30 2,393  | -3,219                | 3,346              | -4                 | 29 55,824   |
| 23                      | β Bootis                             | "          | 40 21,690   | 9                         | 35 54,097   | -0,031 | +0,052 | -0,342 | 839                | 34 18,927   |                       |                    | -10                |   |
| 24                      | z Librac                             | "          | 42 20,369   | 11                        | 37 52,775   | -0,008 | +0,201 | -0,275 | 902                | 36 17,791   | -3,318                | 3,453              | -11                | 36 11,009   |
| 25                      | z Serpentinis                        | "          | 45 28,947   | 21                        | 41 1,351  | -0,017 | +0,143 | -0,261 | 933                | 39 26,289   |                       |                    | +6                 |   |
| 26                      | β Serpentinis                        | "          | 47 42,441   | 16                        | 43 14,843   | -0,020 | +0,123 | -0,269 | 854                | 41 39,823   |                       |                    | 0                  |   |
| 27                      | Jupiter III η                        | "          | 53 41,095   | 11                        | 49 13,494   | -0,008 | +0,203 | -0,276 | 902                | 47 38,511   | -3,309                | 3,477              | -10                | 47 31,715   |
| 28                      | " δ                                  | "          | 59 28,674   | 11                        | 55 1,070  | -0,009 | +0,204 | -0,276 | 903                | 53 26,086   | -3,491                | 3,479              | -68                | 53 19,248   |
| 29                      | " z                                  | "          | 16 5 46,579   | 11                        | 16 1 18,970   | -0,009 | +0,203 | -0,276 | 903                | 59 43,985   | -3,274                | 3,483              | +4                 | 59 37,232   |
| 30                      | " x                                  | "          | 7 41,787  | 7                         | 3 14,177  | -0,008 | +0,206 | -0,278 | 903                | 16 1 39,194   | -3,295                | 3,510              | -8                 | 16 1 32,381   |
| 31                      | " u                                  | "          | 15 2,192  | 11                        | 10 34,578   | -0,010 | +0,200 | -0,274 | 903                | 8 59,591  | -3,221                | 3,463              | -23                | 8 52,884  |
| 32                      | " s                                  | "          | 19 25,622   | 11                        | 14 58,006   | -0,009 | +0,204 | -0,277 | 903                | 13 23,021   | -3,248                | 3,507              | -22                | 13 16,244   |
| 33                      | " ξ                                  | "          | 23 2,596  | 11                        | 18 34,977   | -0,008 | +0,213 | -0,282 | 903                | 16 59,997   | -3,311                | 3,581              | -43                | 16 53,062   |
| 34                      | " ρ                                  | "          | 27 22,870   | 8                         | 22 55,249   | -0,010 | +0,201 | -0,274 | 903                | 21 20,263   | -3,184                | 3,473              | -9                 | 21 13,597   |
| 35                      | " σ                                  | "          | 30 3,397  | 7                         | 25 35,774   | -0,010 | +0,203 | -0,274 | 904                | 24 0,789  | -3,181                | 3,480              | -51                | 23 54,077   |
| 36                      | " m                                  | "          | 35 4,784  | 11                        | 30 37,158   | -0,010 | +0,206 | -0,276 | 904                | 29 2,174  | -3,195                | 3,515              | -63                | 28 55,401   |
| 37                      | " ρ                                  | "          | 38 29,230   | 9                         | 34 1,602  | -0,008 | +0,213 | -0,282 | 904                | 32 26,621   | -3,256                | 3,591              | -45                | 32 19,729   |
| 38                      | " h                                  | "          | 42 10,183   | 10                        | 37 42,553   | -0,010 | +0,206 | -0,276 | 904                | 36 7,569  | -3,171                | 3,556              | -14                | 36 0,828  |
| 39                      | " d                                  | "          | 49 46,494   | 11                        | 45 18,859   | -0,010 | +0,211 | -0,281 | 904                | 43 43,875   | -3,191                | 3,575              | -45                | 43 37,064   |

April 21. Luft 3; (29) bis (32) Feldbeleuchtung bedeutend abgeschwächt. April 22. Luft 3-4, nachher 3; bei den Sternen unterhalb 8<sup>er</sup> Gr. Feldbeleuchtung abgeschwächt.

| Nr.  | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich     | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17     | i I.   | k K.   | c C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                     | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0                              |
|--|--------------------------------------|------------|--|------------------------------|--|--------|--------|--------|-----------------------------|--|----------------------------------|---------------------|-----------------------|--|
| 1901 April 22 (Forts.)   |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                       |  |
| 40   | 24 Ophiuchi                          | P          | 16 <sup>h</sup> 56 <sup>m</sup> 55 <sup>s</sup> .486 | 11                           | 16 <sup>h</sup> 52 <sup>m</sup> 27 <sup>s</sup> .847 | -0,009 | +0,215 | -0,283 | 34,904                      | 16 <sup>h</sup> 50 <sup>m</sup> 52 <sup>s</sup> .866 | -3,195                           | 3,614               | -16                   | 16 <sup>h</sup> 50 <sup>m</sup> 46 <sup>s</sup> .041 |
| 41   | z Ophiuchi                           | "          | 59 4,201   | 8                            | 54 36,561  | -0,025 | +0,141 | -0,264 | 933                         | 53 1,483   |                                  |                     | +3                    |  |
| 42   | H46 56 <sup>m</sup> 10 <sup>s</sup>  | "          | 17 2 52,719  | 25                           | 58 25,077  |        |        |        |                             |  |                                  |                     |                       |  |
| 43   | 60 Hercules                          | "          | 6 52,461   | 22                           | 17 2 24,816  | -0,027 | +0,134 | -0,268 | 898                         | 17 0 49,750  |                                  |                     | -7                    |  |
| 44   | η Ophiuchi                           | "          | 10 47,542  | 12                           | 6 19,895   | -0,014 | +0,198 | -0,271 | 905                         | 4 44,903   | -2,973                           | 3,435               | +5                    | 17 4 38,500  |
| 45   | 36 Ophiuchi p.a.                     | "          | 15 21,322  | 11                           | 10 53,672  | -0,008 | +0,226 | -0,292 | 905                         | 9 18,693   | -3,207                           | 3,722               | -15                   | 9 11,749   |
| 46   | H 17 14 <sup>m</sup> 30 <sup>s</sup> | "          | 18 57,652  | 25                           |  |        |        |        |                             |  |                                  |                     |                       |  |
| April 23 Arm West.   |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                       |  |
| 1  | H 17 28 <sup>m</sup> 0 <sup>s</sup>  | P          | 11 32 28,204   | 24                           |  |        |        |        |                             |  |                                  |                     |                       |  |
| 2  | ν Leonis                             | "          | 37 58,692  | 11                           | 11 33 30,487   | -0,035 | +0,189 | -0,250 | 34,919                      | 11 31 55,472   | -2,709                           | 3,072               | -5                    | 11 31 49,686   |
| 3  | β Virginis                           | "          | 51 38,282  | 11                           | 47 10,073  | -0,038 | +0,183 | -0,251 | 920                         | 45 35,047  | -2,746                           | 3,076               | -1                    | 45 29,224  |
| 4  | H 46 49 <sup>m</sup> 10 <sup>s</sup> | "          | 55 53,443  | 25                           | 51 25,232  |        |        |        |                             |  |                                  |                     |                       |  |
| 5  | δ Virginis                           | "          | 12 0 58,685  | 11                           | 56 30,473  | -0,041 | +0,179 | -0,252 | 920                         | 54 55,439  | -2,768                           | 3,075               | -9                    | 54 49,587  |
| 6  | ο Virginis                           | "          | 6 15,994   | 23                           | 12 1 47,780  | -0,045 | +0,165 | -0,254 | 917                         | 12 0 12,726  |                                  |                     | -3                    |  |
| 7  | 2 Canum ven.                         | "          | 17 16,300  | 18                           | 12 48,083  | -0,081 | +0,060 | -0,335 | 843                         | 11 12,870  |                                  |                     | -14                   |  |
| 8  | Jupiter I α                          | "          | 20 56,533  | 11                           | 16 28,315  | -0,039 | +0,190 | -0,252 | 921                         | 14 53,293  | -2,853                           | 3,073               | -2                    | 12 14 47,365   |
| 9  | " c                                  | "          | 27 48,022  | 11                           | 23 19,802  | -0,040 | +0,189 | -0,252 | 920                         | 21 44,779  | -2,870                           | 3,072               | -39                   | 21 38,798  |
| 10   | " e                                  | "          | 30 24,562  | 11                           | 25 56,341  | -0,039 | +0,192 | -0,253 | 921                         | 24 21,320  | -2,885                           | 3,074               | -63                   | 24 15,298  |
| 11   | " g                                  | "          | 35 24,882  | 11                           | 30 56,659  | -0,039 | +0,192 | -0,253 | 921                         | 29 21,638  | -2,900                           | 3,075               | -30                   | 29 15,633  |
| 12   | P. XII 170                           | "          | 45 12,478  | 11                           | 40 44,252  | -0,039 | +0,196 | -0,253 | 921                         | 39 9,235   | -2,938                           | 3,082               | -23                   | 39 3,192   |
| 13   | 35 Virginis                          | "          | 48 55,075  | 11                           | 44 26,848  | -0,045 | +0,180 | -0,254 | 921                         | 42 51,808  | -2,895                           | 3,055               | -19                   | 42 45,839  |
| 14   | 37 Virginis                          | "          | 52 40,659  | 11                           | 48 12,431  | -0,045 | +0,182 | -0,255 | 922                         | 46 37,391  | -2,907                           | 3,056               | -16                   | 46 31,412  |
| 15   | H 17 51 <sup>m</sup> 30 <sup>s</sup> | "          | 55 58,229  | 24                           |  |        |        |        |                             |  |                                  |                     |                       |  |
| April 24 Arm West.   |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                       |  |
| 1  | Polaris O.C.m.P.                     | P          | —  | 15                           | 1 24 26,37   | -2,94  | -7,99  | -11,74 | 35,15                       | 1 22 28,55   |                                  |                     |                       |  |
| 2  | " " o.P.                             | "          | —  | 16                           | 24 26,26   | "      | "      | "      | 15                          | 22 28,44   |                                  |                     |                       |  |
| April 25 Arm West.   |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                       |  |
| 11   | Polaris U.C.m.P.                     | P          | —  | 16                           | 13 23 45,28  | +0,26  | +6,42  | +12,21 | 35,26                       | 13 22 28,91  |                                  |                     |                       |  |
| 12   | " " o.P.                             | "          | —  | 16                           | 23 45,52   | "      | "      | "      | 26                          | 22 29,15   |                                  |                     |                       |  |
| April 29 Arm West.   |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                       |  |
| 1  | ρ Bootis                             | P          | 14 33 43,403   | 18                           | 14 29 12,423   | -0,068 | +0,092 | -0,308 | 35,486                      | 14 27 36,654   |                                  |                     | +1                    |  |
| 2  | H 17 33 <sup>m</sup> 10 <sup>s</sup> | "          | 37 40,982  | 25                           |  |        |        |        |                             |  |                                  |                     |                       |  |
| 3  | H 46 38 <sup>m</sup> 30 <sup>s</sup> | "          | 45 16,870  | 25                           | 40 45,885  |        |        |        |                             |  |                                  |                     |                       |  |
| Mai 3 Arm West.  |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                       |  |
| 1  | Polaris U.C.m.P.                     | B          | 13 21 33,88  | 12                           | 13 23 50,11  | +2,22  | +6,83  | +12,35 | 35,91                       | 13 22 35,60  |                                  |                     |                       |  |
| 2  | " " o.P.                             | "          | 21 33,70   | 13                           | 23 49,93   | "      | "      | "      | 91                          | 22 35,42   |                                  |                     |                       |  |
| 3  | H 17 44 <sup>m</sup> 0 <sup>s</sup>  | "          | 13 48 33,954   | 14                           |  |        |        |        |                             |  |                                  |                     |                       |  |
| 4  | H 46 44 <sup>m</sup> 0 <sup>s</sup>  | "          | 50 50,184  | 16                           |  |        |        |        |                             |  |                                  |                     |                       |  |
| 5  | 32 Librae                            | P          | 15 28 53,510   | 11                           | 15 24 19,482   | -0,024 | +0,229 | -0,276 | 35,703                      | 15 22 43,708   | -3,410                           | 3,376               | -16                   | 15 22 36,906   |
| 6  | γ Librae                             | "          | 36 12,303  | 7                            | 31 38,272  | -0,026 | +0,225 | -0,273 | 703                         | 30 2,495   | -3,364                           | 3,346               | -4                    | 29 55,781  |
| 7  | H 17 35 <sup>m</sup> 10 <sup>s</sup> | "          | 39 44,033  | 24                           |  |        |        |        |                             |  |                                  |                     |                       |  |
| 8  | z Librae                             | "          | 42 27,704  | 11                           | 37 53,670  | -0,021 | +0,238 | -0,281 | 703                         | 36 17,903  | -3,475                           | 3,453               | -11                   | 36 10,964  |
| 9  | β Serpentis                          | "          | 47 49,893  | 23                           | 43 15,856  | -0,053 | +0,146 | -0,275 | 705                         | 41 39,969  |                                  |                     | 0                     |  |
| 10   | μ Serpentis                          | "          | 50 40,102  | 17                           | 46 6,064   | -0,036 | +0,196 | -0,266 | 714                         | 44 30,245  |                                  |                     | +1                    |  |
| 11   | Jupiter III ζ                        | "          | 55 30,245  | 10                           | 50 56,204  | -0,021 | +0,238 | -0,281 | 703                         | 49 20,437  | -3,457                           | 3,462               | -16                   | 49 13,502  |
| April 23. Luft 2-3. April 24. (1) und (2) Luft 3. April 25. Luft 2. Mai 3. Luft 3. |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                     |                       |  |

| Nr.                 | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich       | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17        | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                    | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0                             |
|---------------------|--------------------------------------|------------|--|------------------------------|---|--------|--------|---------|-----------------------------|---|----------------------------------|---------------------|-----------------------|---|
| 1901 Mai 3 (Forts.) |                                      |            |  |                              |   |        |        |         |                             |   |                                  |                     |                       |   |
| 12                  | Jupiter III $\gamma$                 | P          | 16 <sup>h</sup> 1 <sup>m</sup> 31 <sup>s</sup> 196 | 11                           | 15 <sup>h</sup> 56 <sup>m</sup> 57 <sup>s</sup> 153 | -0,020 | +0,243 | - 0,285 | 35,703                      | 15 <sup>h</sup> 55 <sup>m</sup> 21 <sup>s</sup> 388 | -3,495                           | 3,509               | - 36                  | 15 <sup>h</sup> 55 <sup>m</sup> 14 <sup>s</sup> 348 |
| 13                  | " $\epsilon$                         | "          | 6 6,563  | 11                           | 16 1 32,518   | -0,019 | +0,245 | - 0,286 | 703                         | 59 56,755   | -3,508                           | 3,530               | - 49                  | 59 49,668   |
| 14                  | " $\mu$                              | "          | 12 27,662  | 11                           | 7 53,614  | -0,022 | +0,240 | - 0,282 | 703                         | 16 6 17,847   | -3,437                           | 3,482               | - 4                   | 16 6 10,924   |
| 15                  | " $\nu$                              | "          | 15 14,209  | 10                           | 10 40,160   | -0,019 | +0,248 | - 0,287 | 703                         | 9 4,399   | -3,509                           | 3,554               | - 36                  | 8 57,300  |
| 16                  | " $\tau$                             | "          | 20 58,282  | 11                           | 16 24,231   | -0,022 | +0,239 | - 0,280 | 703                         | 14 48,465   | -3,404                           | 3,472               | - 51                  | 14 41,538   |
| 17                  | " $\eta$                             | "          | 24 31,813  | 7                            | 19 57,760   | -0,021 | +0,242 | - 0,283 | 703                         | 18 21,995   | -3,430                           | 3,507               | - 8                   | 18 15,050   |
| 18                  | " $\theta$                           | "          | 27 35,006  | 11                           | 23 0,951  | -0,019 | +0,249 | - 0,287 | 703                         | 21 25,191   | -3,479                           | 3,561               | - 45                  | 21 18,106   |
| 19                  | " $\iota$                            | "          | 32 29,245  | 11                           | 27 55,188   | -0,020 | +0,246 | - 0,285 | 703                         | 26 19,426   | -3,451                           | 3,550               | - 8                   | 26 12,417   |
| 20                  | " $\lambda$                          | "          | 35 57,946  | 7                            | 31 23,888   | -0,023 | +0,239 | - 0,280 | 703                         | 29 48,121   | -3,373                           | 3,485               | - 56                  | 29 41,207   |
| 23                  | H 46 40 <sup>m</sup> 40 <sup>s</sup> | "          | 47 30,326  | 25                           | 42 56,262   |        |        |         | -1 <sup>m</sup>             |   |                                  |                     |                       |   |
| 24                  | 49 Herculis                          | "          | 53 47,103  | 18                           | 49 13,037   | -0,054 | +0,150 | - 0,277 | 694                         | 47 37,143   |                                  |                     | - 19                  |   |
| 25                  | 24 Ophiuchi                          | "          | 57 2,912   | 10                           | 52 28,844   | -0,018 | +0,253 | - 0,290 | 703                         | 50 53,086   | -3,432                           | 3,614               | - 16                  | 50 46,024   |
| 26                  | 60 Herculis                          | "          | 17 6 59,909  | 23                           | 17 2 25,837   | -0,052 | +0,157 | - 0,274 | 693                         | 17 0 49,968   |                                  |                     | - 7                   |   |
| 27                  | $\eta$ Ophiuchi                      | "          | 10 54,983  | 11                           | 6 20,909  | -0,026 | +0,233 | - 0,277 | 703                         | 4 45,136  | -3,210                           | 3,435               | + 5                   | 17 4 38,496   |
| 28                  | H 17 14 <sup>m</sup> 10 <sup>s</sup> | "          | 18 44,078  | 25                           |   |        |        |         |                             |   |                                  |                     |                       |   |
| Mai 8 Arm West.     |                                      |            |  |                              |   |        |        |         |                             |   |                                  |                     |                       |   |
| 1                   | H 46 17 <sup>m</sup> 0 <sup>s</sup>  | B          | 14 23 54,453                                       | 24                           |   |        |        |         |                             |   |                                  |                     |                       |   |
| 2                   | H 17 24 <sup>m</sup> 0 <sup>s</sup>  | "          | 28 37,565  | 24                           |   |        |        |         |                             |   |                                  |                     |                       |   |
| 3                   | $\alpha$ Librac                      | "          | 51 42,034  | 22                           | 14 47 4,458   | -0,006 | +0,287 | - 0,278 | 37,052                      | 14 45 27,408  |                                  |                     | -* 1                  |   |
| 4                   | P. XIV 221                           | "          | 57 50,473  | 23                           | 53 12,895   | -0,012 | +0,187 | - 0,277 | 36,960                      | 51 35,803   |                                  |                     | - 30                  |   |
| 5                   | $\beta$ Bootis                       | "          | 15 4 30,717  | 23                           | 59 53,136   | -0,019 | +0,078 | - 0,354 | 986                         | 58 15,858   |                                  |                     | + 3                   |   |
| Mai 11 Arm West.    |                                      |            |  |                              |   |        |        |         |                             |   |                                  |                     |                       |   |
| 1                   | Polaris U.C.m.P.                     | B          | 13 21 37,46  | 14                           | 13 23 54,78   | +1,12  | +7,36  | +12,43  | 37,26                       | 13 22 38,43   |                                  |                     |                       |   |
| 2                   | " " o.P.                             | "          | 21 36,93   | 13                           | 23 54,25  | "      | "      | "       | 26                          | 22 37,90  |                                  |                     |                       |   |
| 3                   | H 17 54 <sup>m</sup> 0 <sup>s</sup>  | "          | 13 58 39,862                                       | 12                           |   |        |        |         |                             |   |                                  |                     |                       |   |
| 4                   | H 46 54 <sup>m</sup> 0 <sup>s</sup>  | "          | 14 0 57,184  | 12                           | 56 17,322   |        |        |         |                             |   |                                  |                     |                       |   |
| 5                   | H 46 53 <sup>m</sup> 0 <sup>s</sup>  | "          | 59 57,218  | 24                           | 14 55 17,335  |        |        |         |                             |   |                                  |                     |                       |   |
| 6                   | $\beta$ Bootis                       | "          | 15 4 33,341  | 15                           | 59 53,456   | -0,040 | +0,065 | - 0,350 | 37,260                      | 14 58 15,874  |                                  |                     | + 3                   |   |
| 7                   | $\delta$ Bootis                      | "          | 6 32,514   | 11                           | 15 1 52,628   | -0,032 | +0,118 | - 0,298 | 288                         | 15 0 15,118   |                                  |                     | - 10                  |   |
| 8                   | H 17 7 <sup>m</sup> 0 <sup>s</sup>   | "          | 11 39,888  | 24                           |   |        |        |         |                             |   |                                  |                     |                       |   |
| 9                   | $\delta$ Bootis                      | "          | 17 50,955  | 20                           | 13 11,066   | -0,035 | +0,095 | - 0,319 | 233                         | 11 33,580   |                                  |                     | + 6                   |   |
| Mai 13 Arm West.    |                                      |            |  |                              |   |        |        |         |                             |   |                                  |                     |                       |   |
| 1                   | H 17 18 <sup>m</sup> 50 <sup>s</sup> | P          | 15 23 31,623                                       | 25                           |   |        |        |         |                             |   |                                  |                     |                       |   |
| 2                   | $\beta$ Librac                       | "          | 29 2,562   | 11                           | 15 24 20,938  | -0,003 | +0,178 | - 0,273 | 36,989                      | 15 22 43,851  | -3,529                           | 3,376               | - 16                  | 15 22 36,930  |
| 3                   | $\gamma$ Librac                      | "          | 36 21,422  | 11                           | 31 39,793   | -0,003 | +0,176 | - 0,271 | 989                         | 30 2,706  | -3,490                           | 3,346               | - 4                   | 29 55,866   |
| 4                   | $\alpha$ Librac                      | "          | 42 36,783  | 11                           | 37 55,150   | -0,003 | +0,188 | - 0,278 | 989                         | 36 18,068   | -3,611                           | 3,453               | - 11                  | 36 10,993   |
| 5                   | $\beta$ Serpentis                    | "          | 47 58,879  | 23                           | 43 17,243   | -0,007 | +0,115 | - 0,272 | 987                         | 41 40,092   |                                  |                     | 0                     |   |
| 6                   | $\mu$ Serpentis                      | "          | 50 49,147  | 22                           | 46 7,510  | -0,005 | +0,155 | - 0,263 | 37,017                      | 44 30,381   |                                  |                     | + 1                   |   |
| 7                   | Jupiter III $\epsilon$               | "          | 57 46,790  | 11                           | 53 5,148  | -0,002 | +0,194 | - 0,282 | 36,989                      | 51 28,069   | -3,662                           | 3,512               | - 33                  | 51 20,862   |
| 8                   | " $\gamma$                           | "          | 16 1 40,222  | 11                           | 56 58,578   | -0,003 | +0,194 | - 0,281 | 989                         | 55 21,499   | -3,652                           | 3,509               | - 36                  | 55 14,302   |
| 10                  | " $\mu$                              | "          | 12 36,710  | 11                           | 16 7 55,060   | -0,003 | +0,192 | - 0,279 | 989                         | 16 6 17,981   | -3,603                           | 3,482               | - 4                   | 16 6 10,892   |
| 11                  | " $\nu$                              | "          | 15 23,299  | 8                            | 10 41,647   | -0,002 | +0,199 | - 0,284 | 989                         | 9 4,571   | -3,681                           | 3,554               | - 36                  | 8 57,300  |
| 12                  | " $\tau$                             | "          | 21 7,370   | 11                           | 16 25,714   | -0,003 | +0,192 | - 0,277 | 989                         | 14 48,637   | -3,577                           | 3,472               | - 51                  | 14 41,537   |
| 13                  | " $\lambda$                          | "          | 26 1,783   | 9                            | 21 20,124   | -0,003 | +0,196 | - 0,279 | 989                         | 19 43,049   | -3,603                           | 3,504               | - 65                  | 19 35,877   |
| 14                  | " $\pi$                              | "          | 29 50,417  | 11                           | 25 8,756  | -0,003 | +0,201 | - 0,282 | 989                         | 23 31,683   | -3,646                           | 3,549               | - 49                  | 23 24,439   |

Mai 3. (14) bisweilen länglich NO-SW; (21), (22) nur in Decl. Mai 8. Wolken; (3) geschätzt 4,1. Mai 11. (1) und (2) Luft 2-3. Mai 13. Luft 2-3; (9) nur in Decl.; (13) bis (19) Feldbeleuchtung abgeschwächt; (18) äusserst schwach.

| Nr.                  | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich        | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17        | i I.   | k K.   | c C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                    | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Pracection | Helligk.<br>Gleichung | Rectascension<br>1900,0                             |
|----------------------|--------------------------------------|------------|---|------------------------------|---|--------|--------|--------|-----------------------------|---|----------------------------------|--------------------|-----------------------|---|
| 1901 Mai 13 (Forts.) |                                      |            |   |                              |   |        |        |        |                             |   |                                  |                    |                       |   |
| 15                   | Jupiter III $\alpha$                 | P          | 16 <sup>h</sup> 32 <sup>m</sup> 58 <sup>s</sup> 188 | 8                            | 16 <sup>h</sup> 28 <sup>m</sup> 16 <sup>s</sup> 525 | -0,003 | +0,199 | -0,281 | -1 <sup>m</sup><br>36,989   | 16 <sup>h</sup> 26 <sup>m</sup> 39 <sup>s</sup> 451 | -3,619                           | 3,532              | -65                   | 16 <sup>h</sup> 26 <sup>m</sup> 32 <sup>s</sup> 235 |
| 16                   | " "                                  | "          | 36 7,078  | 8                            | 31 25,413   | -0,003 | +0,194 | -0,277 | 989                         | 29 48,338   | -3,561                           | 3,485              | -56                   | 29 41,236   |
| 17                   | " "                                  | "          | 39 10,973   | 9                            | 34 29,307   | -0,003 | +0,195 | -0,277 | 989                         | 32 52,233   | -3,561                           | 3,531              | -33                   | 32 45,168   |
| 18                   | " "                                  | "          | 43 31,280   | 10                           | 38 49,611   | -0,003 | +0,202 | -0,283 | 989                         | 37 12,538   | -3,621                           | 3,575              | -54                   | 37 5,288  |
| 19                   | " "                                  | "          | 50 3,070  | 11                           | 45 21,397   | -0,003 | +0,205 | -0,284 | 989                         | 43 44,326   | -3,624                           | 3,575              | -45                   | 43 37,082   |
| 20                   | 24 Ophiuchi                          | "          | 57 12,046   | 11                           | 52 30,369   | -0,003 | +0,208 | -0,287 | 989                         | 50 53,298   | -3,646                           | 3,614              | -16                   | 50 46,022   |
| 21                   | $\epsilon$ Herculis                  | "          | 17 2 51,790   | 15                           | 58 10,109   | -0,010 | +0,084 | -0,308 | 981                         | 56 32,893   |                                  |                    | -1                    |   |
| 22                   | 60 Herculis                          | "          | 7 8,992   | 20                           | 17 2 27,309   | -0,006 | +0,130 | -0,271 | 992                         | 17 0 50,163   |                                  |                    | -7                    |   |
| 23                   | $\eta$ Ophiuchi                      | "          | 11 4,120  | 23                           | 6 22,434  | -0,004 | +0,193 | -0,274 | 989                         | 4 45,360  | -3,425                           | 3,435              | +5                    | 17 4 38,505   |
| 24                   | 36 Ophiuchi p.a.                     | "          | 15 37,929   | 11                           | 10 56,241   | -0,002 | +0,220 | -0,295 | 989                         | 9 19,175  | -3,705                           | 3,722              | -15                   | 9 11,733  |
| 25                   | Saturn I $a$                         | "          | 21 26,454   | 11                           | 16 44,762   | -0,003 | +0,207 | -0,283 | 989                         | 15 7,694  | -3,532                           | 3,576              | -7                    | 15 0,579  |
| 26                   | " "                                  | "          | 25 9,012  | 11                           | 20 27,318   | -0,003 | +0,209 | -0,284 | 989                         | 18 50,251   | -3,530                           | 3,587              | -18                   | 18 43,116   |
| 27                   | " "                                  | "          | 30 15,416   | 11                           | 25 33,719   | -0,003 | +0,205 | -0,281 | 989                         | 23 56,651   | -3,466                           | 3,537              | -70                   | 23 49,578   |
| 28                   | H 46 33 <sup>m</sup> 50 <sup>s</sup> | "          | 40 49,337   | 25                           | 36 7,634  |        |        |        |                             |   |                                  |                    |                       |   |
| 29                   | X Sagittarii                         | "          | 47 42,058   | 10                           | 43 0,350  | -0,002 | +0,229 | -0,300 | 989                         | 41 23,288   | -3,637                           | 3,775              | -13                   | 41 15,863   |
| 31                   | H 17 3 <sup>m</sup> 40 <sup>s</sup>  | "          | 18 8 21,720   | 25                           |   |        |        |        |                             |   |                                  |                    |                       |   |
| Mai 14 Arm West.     |                                      |            |   |                              |   |        |        |        |                             |   |                                  |                    |                       |   |
| 1                    | H 17 16 <sup>m</sup> 20 <sup>s</sup> | P          | 15 21 2,505   | 25                           |   |        |        |        |                             |   |                                  |                    |                       |   |
| 2                    | 32 Librae                            | "          | 29 3,416  | 11                           | 15 24 20,906  | -0,013 | +0,224 | -0,272 | 37,025                      | 15 22 43,820  | -3,534                           | 3,376              | -16                   | 15 22 36,894  |
| 3                    | $\gamma$ Librae                      | "          | 36 22,296   | 11                           | 31 39,782   | -0,013 | +0,220 | -0,270 | 025                         | 30 2,694  | -3,494                           | 3,346              | -4                    | 29 55,850   |
| 4                    | $\beta$ Librae                       | "          | 42 37,677   | 11                           | 37 55,160   | -0,011 | +0,234 | -0,278 | 025                         | 36 18,080   | -3,617                           | 3,453              | -11                   | 36 10,999   |
| 5                    | $\alpha$ Serpentis                   | "          | 47 59,806   | 23                           | 43 17,285   | -0,028 | +0,144 | -0,272 | 032                         | 41 40,097   |                                  |                    | 0                     |   |
| 6                    | $\mu$ Serpentis                      | "          | 50 50,040   | 22                           | 46 7,518  | -0,019 | +0,192 | -0,262 | 041                         | 44 30,389   |                                  |                    | +1                    |   |
| 7                    | H 46 47 <sup>m</sup> 5 <sup>s</sup>  | "          | 54 5,363  | 23                           | 49 22,839   |        |        |        |                             |   |                                  |                    |                       |   |
| 8                    | Jupiter III $\delta$                 | "          | 59 46,075   | 11                           | 55 3,548  | -0,011 | +0,236 | -0,278 | 025                         | 53 26,470   | -3,628                           | 3,479              | -68                   | 53 19,293   |
| 9                    | " "                                  | "          | 16 6 3,983  | 11                           | 16 1 21,452   | -0,011 | +0,236 | -0,278 | 025                         | 59 44,374   | -3,623                           | 3,483              | +4                    | 59 37,272   |
| 11                   | " "                                  | "          | 15 19,610   | 11                           | 10 37,074   | -0,012 | +0,233 | -0,276 | 025                         | 16 8 59,994   | -3,587                           | 3,463              | -23                   | 16 8 52,921   |
| 12                   | " "                                  | "          | 19 43,041   | 11                           | 15 0,502  | -0,011 | +0,239 | -0,280 | 025                         | 13 23,425   | -3,627                           | 3,507              | -22                   | 13 16,269   |
| 13                   | " "                                  | "          | 23 19,959   | 11                           | 18 37,418   | -0,010 | +0,247 | -0,285 | 025                         | 17 0,345  | -3,706                           | 3,581              | -43                   | 16 53,015   |
| 14                   | " "                                  | "          | 27 40,250   | 11                           | 22 57,707   | -0,012 | +0,234 | -0,277 | 025                         | 21 20,627   | -3,575                           | 3,473              | -9                    | 21 13,570   |
| 15                   | " "                                  | "          | 30 20,791   | 11                           | 25 38,247   | -0,012 | +0,236 | -0,277 | 025                         | 24 1,169  | -3,578                           | 3,480              | -51                   | 23 54,060   |
| 16                   | " "                                  | "          | 35 22,258   | 11                           | 30 39,711   | -0,011 | +0,239 | -0,279 | 025                         | 29 2,635  | -3,606                           | 3,515              | -63                   | 28 55,451   |
| 17                   | " "                                  | "          | 38 46,646   | 8                            | 34 4,097  | -0,010 | +0,248 | -0,285 | 025                         | 32 27,225   | -3,683                           | 3,591              | -45                   | 32 19,706   |
| 18                   | " "                                  | "          | 42 27,638   | 11                           | 37 45,087   | -0,011 | +0,240 | -0,279 | 025                         | 36 8,012  | -3,596                           | 3,556              | -14                   | 36 0,846  |
| 19                   | " "                                  | "          | 45 34,600   | 6                            | 40 52,047   | -0,009 | +0,250 | -0,286 | 025                         | 39 14,977   | -3,682                           | 3,605              | -33                   | 39 7,657  |
| 20                   | 24 Ophiuchi                          | "          | 57 13,001   | 11                           | 52 30,441   | -0,009 | +0,251 | -0,286 | 025                         | 50 53,372   | -3,659                           | 3,614              | -16                   | 50 46,083   |
| 21                   | 60 Herculis                          | "          | 17 7 9,890  | 23                           | 17 2 27,325   | -0,028 | +0,156 | -0,271 | 36,999                      | 17 0 50,176   |                                  |                    | -7                    |   |
| 22                   | $\eta$ Ophiuchi                      | "          | 11 5,052  | 11                           | 6 22,484  | -0,014 | +0,232 | -0,274 | 37,025                      | 4 45,403  | -3,439                           | 3,435              | +5                    | 17 4 38,534   |
| 23                   | 36 Ophiuchi p.a.                     | "          | 15 38,827   | 11                           | 10 56,257   | -0,008 | +0,264 | -0,295 | 025                         | 9 19,193  | -3,720                           | 3,722              | -15                   | 9 11,736  |
| 24                   | Saturn I $b$                         | "          | 23 27,682   | 11                           | 18 45,107   | -0,011 | +0,244 | -0,281 | 025                         | 17 8,034  | -3,519                           | 3,554              | -54                   | 17 0,907  |
| 25                   | " "                                  | "          | 28 45,031   | 11                           | 24 2,454  | -0,011 | +0,247 | -0,282 | 025                         | 22 25,383   | -3,523                           | 3,576              | -47                   | 22 18,237   |
| 26                   | X Sagittarii                         | "          | 47 42,956   | 11                           | 43 0,367  | -0,007 | +0,270 | -0,300 | 025                         | 41 23,305   | -3,655                           | 3,775              | -13                   | 41 15,862   |
| 27                   | M. 722                               | "          | 56 28,553   | 11                           | 51 45,960   | -0,012 | +0,244 | -0,280 | 025                         | 50 8,887  | -3,378                           | 3,527              | -22                   | 50 1,960  |
| 28                   | H 17 55 <sup>m</sup> 40 <sup>s</sup> | "          | 18 0 22,595   | 25                           |   |        |        |        |                             |   |                                  |                    |                       |   |

Mai 13. (30) nur in Decl. Mai 14. Luft 2-3; (10) nur in Decl.

| Nr.                  | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich             | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17              | i I.   | k K.   | c C.    | Corr. von Hohwü 17 | Scheinbare Rect-ascension                           | Red. auf Jahres-anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension 1900,0                                |
|----------------------|--------------------------------------|------------|--|---------------------------|---|--------|--------|---------|--------------------|---|------------------------|---------------------|--------------------|---|
| 1901 Mai 20 Arm Ost. |                                      |            |  |                           |   |        |        |         |                    |   |                        |                     |                    |   |
| 17                   | 32 Librac                            | P          | 15 <sup>h</sup> 29 <sup>m</sup> 7 <sup>s</sup> 180 | 11                        | 15 <sup>h</sup> 24 <sup>m</sup> 20 <sup>s</sup> 781 | +0,001 | +0,268 | + 0,250 | 37,372             | 15 <sup>h</sup> 22 <sup>m</sup> 43 <sup>s</sup> 928 | -3,603                 | 3,376               | - 16               | 15 <sup>h</sup> 22 <sup>m</sup> 36 <sup>s</sup> 933 |
| 18                   | H 17 28 <sup>m</sup> 10 <sup>s</sup> | "          | 32 56,400  | 25                        |   |        |        |         |                    |   |                        |                     | 4                  | 29 55,817   |
| 19                   | γ Librac                             | "          | 36 25,995  | 11                        | 31 39,594   | +0,001 | +0,263 | + 0,248 | 372                | 30 2,734  | -3,567                 | 3,346               | - 4                | 29 55,817   |
| 20                   | δ Librac                             | "          | 42 41,365  | 11                        | 37 54,961   | +0,001 | +0,278 | + 0,254 | 372                | 36 18,122   | -3,696                 | 3,453               | - 11               | 36 10,962   |
| 21                   | β Serpentic                          | "          | 48 3,497   | 23                        | 43 17,091   | +0,003 | +0,171 | + 0,249 | 360                | 41 40,154   |                        |                     | 0                  |   |
| 22                   | μ Serpentic                          | "          | 50 53,794  | 21                        | 46 7,387  | +0,002 | +0,227 | + 0,240 | 396                | 44 30,461   |                        |                     | + 1                |   |
| 23                   | Jupiter III ε                        | "          | 57 51,380  | 11                        | 53 4,969  | +0,001 | +0,283 | + 0,258 | 371                | 51 28,140   | -3,760                 | 3,512               | - 33               | 51 20,835   |
| 24                   | " β                                  | "          | 16 3 48,713  | 10                        | 59 2,300  | +0,001 | +0,278 | + 0,255 | 371                | 57 25,463   | -3,718                 | 3,481               | - 34               | 57 18,230   |
| 25                   | " ij                                 | "          | 7 27,824   | 10                        | 16 2 41,409   | +0,001 | +0,281 | + 0,256 | 371                | 16 1 4,576  | -3,742                 | 3,504               | - 6                | 16 0 57,324   |
| 26                   | " v                                  | "          | 14 18,192  | 11                        | 9 31,774  | +0,001 | +0,282 | + 0,257 | 371                | 7 54,943  | -3,764                 | 3,529               | - 30               | 7 47,620  |
| 27                   | " t                                  | "          | 17 38,882  | 9                         | 12 52,463   | +0,001 | +0,278 | + 0,255 | 371                | 11 15,626   | -3,728                 | 3,502               | - 27               | 11 8,369  |
| 28                   | " v                                  | "          | 21 18,492  | 11                        | 16 32,071   | +0,001 | +0,284 | + 0,258 | 371                | 14 55,243   | -3,776                 | 3,547               | - 36               | 14 47,884   |
| 29                   | " λ                                  | "          | 26 6,314   | 10                        | 21 19,891   | +0,001 | +0,277 | + 0,255 | 371                | 19 43,053   | -3,719                 | 3,504               | - 65               | 19 35,765   |
| 30                   | " π                                  | "          | 29 55,036  | 10                        | 25 8,611  | +0,001 | +0,282 | + 0,259 | 371                | 23 31,782   | -3,766                 | 3,549               | - 49               | 23 24,418   |
| 31                   | " x                                  | "          | 33 2,777   | 7                         | 28 16,351   | +0,001 | +0,279 | + 0,257 | 371                | 26 39,517   | -3,741                 | 3,532               | - 65               | 26 32,179   |
| 32                   | " k                                  | "          | 38 11,661  | 11                        | 33 25,233   | +0,001 | +0,284 | + 0,260 | 371                | 31 48,407   | -3,775                 | 3,570               | - 54               | 31 41,008   |
| 34                   | " σ                                  | "          | 45 38,403  | 10                        | 40 51,972   | +0,001 | +0,287 | + 0,262 | 371                | 39 15,151   | -3,802                 | 3,605               | - 33               | 39 7,711  |
| 35                   | H 46 43 <sup>m</sup> 50 <sup>s</sup> | "          | 50 55,356  | 25                        | 46 8,923  |        |        |         |                    |   |                        |                     | - 19               |   |
| 36                   | 49 Herculis                          | "          | 54 0,828   | 20                        | 49 14,393   | +0,002 | +0,171 | + 0,250 | 365                | 47 37,432   |                        |                     | - 19               |   |
| 37                   | 24 Ophiuchi                          | "          | 57 16,704  | 11                        | 52 30,267   | +0,001 | +0,287 | + 0,262 | 370                | 50 53,447   | -3,786                 | 3,614               | - 16               | 50 46,031   |
| 38                   | γ Ophiuchi                           | "          | 17 11 8,802  | 11                        | 17 6 22,360   | +0,001 | +0,263 | + 0,250 | 370                | 17 4 45,504   | -3,567                 | 3,435               | + 5                | 17 4 38,507   |
| 39                   | 36 Ophiuchi p.a.                     | "          | 15 42,587  | 5                         | 10 56,143   | 0,000  | +0,300 | + 0,269 | 370                | 9 19,342  | -3,861                 | 3,722               | - 15               | 9 11,744  |
| 40                   | H 17 15 <sup>m</sup> 40 <sup>s</sup> | "          | 20 26,446  | 25                        |   |        |        |         |                    |   |                        |                     |                    |   |
| Mai 21 Arm Ost.      |                                      |            |  |                           |   |        |        |         |                    |   |                        |                     |                    |   |
| 12                   | H 17 16 <sup>m</sup> 30 <sup>s</sup> | P          | 15 21 17,114                                       | 25                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 13                   | 32 Librac                            | "          | 29 7,861   | 11                        | 15 24 20,747  | -0,001 | +0,239 | + 0,239 | 37,332             | 15 22 43,892  | -3,617                 | 3,376               | - 16               | 15 22 36,883  |
| 14                   | γ Librac                             | "          | 36 26,761  | 11                        | 31 39,643   | -0,001 | +0,234 | + 0,237 | 332                | 30 2,781  | -3,581                 | 3,346               | - 4                | 29 55,850   |
| 15                   | z Librac                             | "          | 42 42,115  | 11                        | 37 54,994   | -0,001 | +0,249 | + 0,244 | 332                | 36 18,154   | -3,711                 | 3,453               | - 11               | 36 10,979   |
| 16                   | β Serpentic                          | "          | 48 4,225   | 22                        | 43 17,101   | -0,003 | +0,153 | + 0,239 | 322                | 41 40,168   |                        |                     | 0                  |   |
| 17                   | μ Serpentic                          | "          | 50 54,532  | 22                        | 46 7,406  | -0,002 | +0,204 | + 0,230 | 363                | 44 30,476   |                        |                     | + 1                |   |
| 18                   | Jupiter III η                        | "          | 54 2,811   | 11                        | 49 15,684   | -0,001 | +0,251 | + 0,244 | 332                | 47 38,846   | -3,737                 | 3,477               | - 10               | 47 31,622   |
| 19                   | " δ                                  | "          | 59 50,516  | 11                        | 55 3,385  | -0,001 | +0,250 | + 0,244 | 331                | 53 26,547   | -3,735                 | 3,479               | - 68               | 53 19,265   |
| 20                   | " z                                  | "          | 16 6 8,418   | 11                        | 16 1 21,284   | -0,001 | +0,250 | + 0,244 | 331                | 59 44,446   | -3,735                 | 3,483               | + 4                | 59 37,232   |
| 21                   | " x                                  | "          | 8 3,562  | 7                         | 3 16,427  | -0,001 | +0,253 | + 0,246 | 331                | 16 1 39,594   | -3,765                 | 3,510               | - 8                | 16 1 32,311   |
| 22                   | " u                                  | "          | 15 24,077  | 11                        | 10 36,938   | -0,001 | +0,246 | + 0,242 | 331                | 9 0,094   | -3,704                 | 3,463               | - 23               | 8 52,904  |
| 23                   | " s                                  | "          | 19 47,520  | 11                        | 15 0,379  | -0,001 | +0,251 | + 0,246 | 331                | 13 23,544   | -3,749                 | 3,507               | - 22               | 13 16,266   |
| 24                   | " ξ                                  | "          | 23 24,447  | 11                        | 18 37,304   | -0,001 | +0,260 | + 0,251 | 331                | 17 0,483  | -3,833                 | 3,581               | - 43               | 16 53,026   |
| 25                   | " o                                  | "          | 27 49,498  | 9                         | 23 2,352  | -0,001 | +0,257 | + 0,249 | 331                | 21 25,526   | -3,803                 | 3,561               | - 45               | 21 18,117   |
| 26                   | " θ                                  | "          | 30 25,302  | 11                        | 25 38,155   | -0,001 | +0,247 | + 0,243 | 331                | 24 1,313  | -3,705                 | 3,480               | - 51               | 23 54,077   |
| 27                   | " m                                  | "          | 35 26,709  | 9                         | 30 30,559   | -0,001 | +0,250 | + 0,245 | 331                | 29 2,722  | -3,738                 | 3,515               | - 63               | 28 55,406   |
| 28                   | " ρ                                  | "          | 38 51,072  | 7                         | 34 3,921  | -0,001 | +0,259 | + 0,250 | 331                | 32 27,098   | -3,820                 | 3,591               | - 45               | 32 19,642   |
| 29                   | " h                                  | "          | 42 32,125  | 11                        | 37 44,972   | -0,001 | +0,250 | + 0,245 | 331                | 36 8,135  | -3,732                 | 3,556               | - 14               | 36 0,833  |
| 30                   | H 17 45 <sup>m</sup> 40 <sup>s</sup> | "          | 50 27,150  | 24                        |   |        |        |         |                    |   |                        |                     |                    |   |
| 31                   | 49 Herculis                          | "          | 54 1,546   | 13                        | 49 14,387   | -0,002 | +0,155 | + 0,239 | 309                | 47 37,451   |                        |                     | - 19               |   |

Mai 20. Luft 2-3; (29) bis (32) Feldbeleuchtung abgeschwächt; (33) nur in Decl.. Mai 21. Luft 2-3; (19), (26) und (27) Feldbeleuchtung abgeschwächt; (27) an der Grenze der Sichtbarkeit.

| Nr.   | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich         | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17         | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                     | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Procession | Helligk. Gleichung | Rectascension<br>1900,0                              |
|---|--------------------------------------|------------|--|------------------------------|--|--------|--------|---------|-----------------------------|--|----------------------------------|--------------------|--------------------|--|
| 1901 Mai 21 (Forts.)  |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                    |                    |  |
| 32  | 24 Ophiuchi                          | P          | 16 <sup>h</sup> 57 <sup>m</sup> 17 <sup>s</sup> .480 | 11                           | 16 <sup>h</sup> 52 <sup>m</sup> 30 <sup>s</sup> .319 | -0,001 | +0,261 | + 0,251 | 37,331                      | 16 <sup>h</sup> 50 <sup>m</sup> 53 <sup>s</sup> .499 | -3,810                           | 3,614              | - 16               | 16 <sup>h</sup> 50 <sup>m</sup> 46 <sup>s</sup> .059 |
| 33  | H 46 53 <sup>m</sup> 40 <sup>s</sup> | "          | 17 0 46,364  | 25                           | 55 59,201  |        |        |         |                             |  |                                  |                    |                    |  |
| 34  | 60 Hercules                          | "          | 7 14,409   | 23                           | 17 2 27,242  | -0,002 | +0,162 | + 0,238 | 334                         | 17 0 50,299  |                                  |                    | - 7                |  |
| 35  | $\eta$ Ophiuchi                      | "          | 11 9,543   | 11                           | 6 22,374   | -0,001 | +0,239 | + 0,241 | 330                         | 4 45,523   | -3,590                           | 3,435              | + 5                | 17 4 38,503  |
| 36  | 36 Ophiuchi p.a.                     | "          | 15 43,328  | 11                           | 10 56,157  | 0,000  | +0,273 | + 0,259 | 330                         | 9 19,359   | -3,887                           | 3,722              | - 15               | 9 11,735   |
| 37  | Saturn I <i>b</i>                    | "          | 23 32,207  | 11                           | 18 45,032  | -0,001 | +0,252 | + 0,247 | 330                         | 17 8,200   | -3,683                           | 3,554              | - 54               | 17 0,909   |
| 38  | " <i>d</i>                           | "          | 28 49,583  | 11                           | 24 2,405   | -0,001 | +0,255 | + 0,248 | 350                         | 22 25,577  | -3,691                           | 3,576              | - 47               | 22 18,263  |
| 39  | X Sagittarii                         | "          | 47 47,519  | 8                            | 43 0,331   | 0,000  | +0,277 | + 0,264 | 330                         | 41 23,542  | -3,845                           | 3,775              | - 13               | 41 15,909  |
| 40  | M. 722                               | "          | 56 33,152  | 11                           | 51 45,959  | 0,000  | +0,249 | + 0,246 | 329                         | 50 9,125   | -3,560                           | 3,527              | - 22               | 50 2,016   |
| 41  | H 17 55 <sup>m</sup> 30 <sup>s</sup> | "          | 18 0 17,197  | 25                           |  |        |        |         |                             |  |                                  |                    |                    |  |
| Mai 22 Arm Ost.   |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                    |                    |  |
| 26  | Polaris O.C.m.P.                     | P          | —  | 13                           | 1 24 21,38   | +0,68  | -7,83  | +10,68  | 37,55                       | 1 22 47,36   |                                  |                    |                    |  |
| 27  | " " o.P.                             | "          | —  | 16                           | 24 20,83   | "      | "      | "       | 55                          | 22 46,81   |                                  |                    |                    |  |
| Mai 24 Arm Ost.   |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                    |                    |  |
| 1   | Polaris U.C.o.P.                     | P          | —  | 17                           | 13 24 28,25  | 0,00   | +6,27  | -10,64  | 37,55                       | 13 22 46,33  |                                  |                    |                    |  |
| 2   | " " m.P.                             | "          | —  | 16                           | 24 28,83   | "      | "      | "       | 55                          | 22 46,91   |                                  |                    |                    |  |
| Juni 2 Arm West.  |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                    |                    |  |
| 1   | P. XIV. 221                          | B          | 14 58 12,616   | 12                           | 14 53 15,052   | -0,052 | +0,349 | - 0,260 | 39,205                      | 14 51 35,854   |                                  |                    | - 30               |  |
| 2   | H 46 54 <sup>m</sup> 0 <sup>s</sup>  | "          | 15 1 18,539  | 24                           | 56 20,973  |        |        |         |                             |  |                                  |                    |                    |  |
| 3   | $\psi$ Bootis                        | "          | 6 51,983   | 10                           | 15 1 54,413  | -0,064 | +0,263 | - 0,283 | 196                         | 15 0 15,123  |                                  |                    | - 10               |  |
| 4   | $\beta$ Librae                       | "          | 18 20,722  | 23                           | 13 23,145  | -0,031 | +0,494 | - 0,254 | 233                         | 11 44,133  |                                  |                    | + 12               |  |
| 5   | H 17 18 <sup>m</sup> 0 <sup>s</sup>  | "          | 22 57,580  | 24                           |  |        |        |         |                             |  |                                  |                    |                    |  |
| 6   | $\mu$ Bootis                         | "          | 27 24,979  | 19                           | 22 27,397  | -0,077 | +0,175 | - 0,318 | 262                         | 20 47,907  |                                  |                    | - 8                |  |
| Juni 3 Arm West.  |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                    |                    |  |
| 1   | H 17 17 <sup>m</sup> 20 <sup>s</sup> | P          | 15 22 18,638   | 24                           |  |        |        |         |                             |  |                                  |                    |                    |  |
| 2   | 32 Librae                            | "          | 29 22,043  | 10                           | 15 24 23,400   | -0,017 | -0,010 | - 0,264 | 39,157                      | 15 22 43,952   | -3,671                           | 3,376              | - 16               | 15 22 36,889   |
| 3   | $\gamma$ Librae                      | "          | 36 40,942  | 11                           | 31 42,293  | -0,019 | -0,009 | - 0,261 | 158                         | 30 2,846   | -3,643                           | 3,346              | - 4                | 29 55,853  |
| 4   | $\kappa$ Librae                      | "          | 42 56,320  | 11                           | 37 57,667  | -0,016 | -0,010 | - 0,268 | 159                         | 36 18,214  | -3,784                           | 3,453              | - 11               | 36 10,966  |
| 5   | $\delta$ Serpentis                   | "          | 48 18,307  | 23                           | 43 19,650  | -0,039 | -0,006 | - 0,264 | 120                         | 41 40,221  |                                  |                    | 0                  |  |
| 6   | $\mu$ Serpentis                      | "          | 51 8,708   | 21                           | 46 10,048  | -0,027 | -0,008 | - 0,253 | 217                         | 44 30,544  |                                  |                    | + 1                |  |
| 7   | Jupiter III $\zeta$                  | "          | 55 58,895  | 11                           | 51 0,232   | -0,016 | -0,010 | - 0,268 | 160                         | 49 20,778  | -3,806                           | 3,462              | - 16               | 49 13,494  |
| 8   | " $\beta$                            | "          | 16 4 3,733   | 11                           | 59 5,064   | -0,016 | -0,010 | - 0,268 | 161                         | 57 25,609  | -3,853                           | 3,481              | - 34               | 57 18,259  |
| 9   | " $\eta$                             | "          | 7 42,843   | 11                           | 16 2 44,172  | -0,016 | -0,010 | - 0,270 | 161                         | 16 1 4,715   | -3,864                           | 3,504              | - 6                | 16 0 57,341  |
| 10  | " $\nu$                              | "          | 14 33,196  | 11                           | 9 34,520   | -0,015 | -0,010 | - 0,271 | 162                         | 7 55,062   | -3,897                           | 3,529              | - 30               | 7 47,606   |
| 11  | " <i>s</i>                           | "          | 20 1,797   | 11                           | 15 3,116   | -0,017 | -0,010 | - 0,269 | 163                         | 13 23,657  | -3,869                           | 3,507              | - 22               | 13 16,259  |
| 12  | " <i>q</i>                           | "          | 25 0,516   | 11                           | 20 1,831   | -0,017 | -0,010 | - 0,269 | 163                         | 18 22,372  | -3,871                           | 3,507              | - 8                | 18 14,986  |
| 13  | " <i>o</i>                           | "          | 28 3,871   | 9                            | 23 5,184   | -0,015 | -0,010 | - 0,273 | 163                         | 21 25,723  | -3,936                           | 3,561              | - 45               | 21 18,181  |
| 14  | " <i>n</i>                           | "          | 32 58,027  | 11                           | 27 59,337  | -0,016 | -0,010 | - 0,271 | 164                         | 26 19,876  | -3,920                           | 3,550              | - 8                | 26 12,398  |
| 15  | " <i>i</i>                           | "          | 41 26,319  | 11                           | 36 27,623  | -0,017 | -0,010 | - 0,270 | 165                         | 34 48,161  | -3,896                           | 3,520              | - 27               | 34 40,718  |
| 16  | " $\sigma$                           | "          | 45 53,446  | 11                           | 40 54,746  | -0,015 | -0,010 | - 0,276 | 165                         | 39 15,280  | -3,982                           | 3,605              | - 33               | 39 7,660   |
| 17  | H 46 47 <sup>m</sup> 15 <sup>s</sup> | "          | 54 39,856  | 19                           | 49 41,150  |        |        |         |                             |  |                                  |                    |                    |  |
| 18  | 24 Ophiuchi                          | "          | 57 31,862  | 11                           | 52 33,154  | -0,015 | -0,010 | - 0,276 | 166                         | 50 53,687  | -3,982                           | 3,614              | - 16               | 50 46,075  |
| 19  | 60 Hercules                          | "          | 17 7 28,604  | 23                           | 17 2 29,889  | -0,045 | -0,006 | - 0,261 | 119                         | 17 0 50,451  |                                  |                    | - 7                |  |
| 20  | $\eta$ Ophiuchi                      | "          | 11 23,872  | 11                           | 6 25,154   | -0,023 | -0,010 | - 0,264 | 168                         | 4 45,689   | -3,770                           | 3,435              | + 5                | 17 4 38,489  |
| 21  | 36 Ophiuchi p.a.                     | "          | 15 57,810  | 8                            | 10 59,088  | -0,013 | -0,011 | - 0,284 | 168                         | 9 19,612   | -4,088                           | 3,722              | - 15               | 9 11,787   |
| <p>Mai 22. (26) und (27) Luft 3. Mai 24. Luft 2; (2) durch Wolken, bisweilen nur 7<sup>er</sup> Gr. Juni 2. Luft neblig. Juni 3.<br/>Zuerst Luft 1—2; (9) bis (19) Luft 3, nachher wieder 2; Dunst; alle Sterne geschwächt.</p> |                                      |            |  |                              |  |        |        |         |                             |  |                                  |                    |                    |  |

| Nr.                  | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich        | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17        | i I.   | k K.   | c C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension<br>1900,0                            |
|----------------------|--------------------------------------|------------|---|------------------------------|---|--------|--------|--------|-----------------------------|--|----------------------------------|---------------------|--------------------|--|
| 1901 Juni 3 (Forts.) |                                      |            |   |                              |   |        |        |        |                             |  |                                  |                     |                    |  |
| 22                   | Saturn I a                           | P          | 17 <sup>h</sup> 21 <sup>m</sup> 46 <sup>s</sup> 316 | 11                           | 17 <sup>h</sup> 16 <sup>m</sup> 47 <sup>s</sup> 590 | -0,018 | -0,010 | -0,272 | 39 <sup>s</sup> 169         | 17 <sup>h</sup> 15 <sup>m</sup> 8 <sup>s</sup> 121 | -3 <sup>s</sup> 911              | 3 <sup>s</sup> 576  | - 7                | 17 <sup>h</sup> 15 <sup>m</sup> 0 <sup>s</sup> 627 |
| 23                   | „ c                                  | „          | 25 28,836   | 11                           | 20 30,107   | -0,018 | -0,010 | -0,273 | 169                         | 18 50,637  | -3,917                           | 3,587               | - 18               | 18 43,115  |
| 24                   | „ e                                  | „          | 30 35,246   | 11                           | 25 36,514   | -0,020 | -0,010 | -0,269 | 170                         | 23 57,045  | -3,857                           | 3,537               | - 70               | 23 49,581  |
| 25                   | X Sagittarii                         | „          | 48 1,975  | 11                           | 43 3,230  | -0,012 | -0,011 | -0,287 | 171                         | 41 23,749  | -4,089                           | 3,775               | - 13               | 41 15,872  |
| 26                   | M. 722                               | „          | 56 47,598   | 11                           | 51 48,846   | -0,021 | -0,010 | -0,268 | 172                         | 50 9,375   | -3,798                           | 3,527               | - 22               | 50 2,028   |
| 27                   | H 17 56 <sup>m</sup> 0 <sup>s</sup>  | „          | 18 0 58,754   | 23                           |   |        |        |        |                             |  |                                  |                     |                    |  |
| Juni 7 Arm West.     |                                      |            |   |                              |   |        |        |        |                             |  |                                  |                     |                    |  |
| 1                    | π Bootis pr.                         | P          | 14 42 49,687  | 23                           | 14 37 47,403  | -0,073 | -0,025 | -0,263 | 39,649                      | 14 36 7,386  |                                  |                     | - 7                |  |
| 2                    | H46 38 <sup>m</sup> 40 <sup>s</sup>  | „          | 46 4,284  | 25                           | 41 1,997  |        |        |        |                             |  |                                  |                     |                    |  |
| 3                    | 109 Virginis                         | „          | 48 0,051  | 18                           | 42 57,763   | -0,056 | -0,031 | -0,252 | 693                         | 41 17,730  |                                  |                     | - 1                |  |
| 4                    | α Librae                             | „          | 52 9,821  | 23                           | 47 7,531  | -0,034 | -0,039 | -0,262 | 688                         | 45 27,510  |                                  |                     | + 2                |  |
| 5                    | H 17 50 <sup>m</sup> 10 <sup>s</sup> | „          | 55 12,292   | 25                           |   |        |        |        |                             |  |                                  |                     |                    |  |
| Juni 18 Arm Ost.     |                                      |            |   |                              |   |        |        |        |                             |  |                                  |                     |                    |  |
| 1                    | P. XIV 221                           | B          | 14 58 28,400  | 21                           | 14 53 18,576  | +0,048 | -0,094 | +0,242 | 42,929                      | 14 51 35,813                                       |                                  |                     | - 30               |  |
| 2                    | ψ Bootis                             | „          | 15 7 7,571  | 20                           | 15 1 57,742   | +0,059 | -0,071 | +0,263 | 924                         | 15 0 15,059  |                                  |                     | - 10               |  |
| 3                    | β Librae                             | „          | 18 36,815   | 23                           | 13 26,980   | +0,028 | -0,133 | +0,237 | 975                         | 11 44,149  |                                  |                     | + 12               |  |
| 4                    | H46 15 <sup>m</sup> 0 <sup>s</sup>   | „          | 22 33,933   | 25                           | 17 24,096   |        |        |        |                             |  |                                  |                     |                    |  |
| 5                    | H 17 22 <sup>m</sup> 0 <sup>s</sup>  | „          | 27 9,840  | 36                           |   |        |        |        |                             |  |                                  |                     |                    |  |
| Juni 25 Arm West.    |                                      |            |   |                              |   |        |        |        |                             |  |                                  |                     |                    |  |
| 1                    | ζ Ophiuchi                           | P          | 17 0 2,560  | 23                           | 16 54 46,516  | +0,009 | -0,068 | -0,254 | 43,929                      | 16 53 2,277  |                                  |                     | + 3                |  |
| 2                    | ε Herculis                           | „          | 3 33,465  | 23                           | 58 17,419   | +0,013 | -0,042 | -0,293 | 867                         | 56 33,229  |                                  |                     | - 1                |  |
| 3                    | H46 58 <sup>m</sup> 30 <sup>s</sup>  | „          | 6 11,540  | 24                           | 17 0 55,492   |        |        |        |                             |  |                                  |                     |                    |  |
| 4                    | η Ophiuchi                           | „          | 11 46,218   | 23                           | 6 30,167  | +0,005 | -0,095 | -0,261 | 931                         | 17 4 45,890  |                                  |                     | + 5                |  |
| 5                    | H 17 9 <sup>m</sup> 30 <sup>s</sup>  | „          | 14 46,053   | 25                           |   |        |        |        |                             |  |                                  |                     |                    |  |
| Juli 3 Arm West.     |                                      |            |   |                              |   |        |        |        |                             |  |                                  |                     |                    |  |
| 1                    | β Lyrae                              | P          | 18 53 37,958  | 23                           | 18 48 14,930  | -0,066 | -0,032 | -0,294 | 45,649                      | 18 46 28,891                                       |                                  |                     | + 2                |  |
| 2                    | ε Serpentis pr.                      | „          | 58 30,636   | 23                           | 53 7,605  | -0,039 | -0,062 | -0,246 | 713                         | 51 21,539  |                                  |                     | - 6                |  |
| 3                    | γ Lyrae                              | „          | 19 2 26,885   | 23                           | 57 3,852  | -0,065 | -0,033 | -0,292 | 634                         | 55 17,831  |                                  |                     | + 3                |  |
| 4                    | H46 57 <sup>m</sup> 20 <sup>s</sup>  | „          | 5 10,235  | 25                           | 59 47,200   |        |        |        |                             |  |                                  |                     |                    |  |
| 5                    | H 17 3 <sup>m</sup> 0 <sup>s</sup>   | „          | 8 23,037  | 25                           |   |        |        |        |                             |  |                                  |                     |                    |  |
| Juli 10 Arm West.    |                                      |            |   |                              |   |        |        |        |                             |  |                                  |                     |                    |  |
| 1                    | H 17 16 <sup>m</sup> 40 <sup>s</sup> | P          | 18 22 9,448   | 25                           | 18 21 19,803  | -0,069 | -0,002 | -0,236 | 47,289                      | 18 19 32,206                                       |                                  |                     | - 1                |  |
| 2                    | 109 Herculis                         | „          | 26 49,254   | 19                           | 35 26,200   | -0,092 | -0,001 | -0,281 | 309                         | 33 38,539  |                                  |                     | + 22               |  |
| 3                    | α Lyrae                              | „          | 40 55,661   | 23                           | 38 48,655   |        |        |        |                             |  |                                  |                     |                    |  |
| 4                    | H46 36 <sup>m</sup> 20 <sup>s</sup>  | „          | 44 18,118   | 25                           | 43 15,159   | -0,067 | -0,002 | -0,234 | 290                         | 41 27,563  |                                  |                     | - 3                |  |
| 5                    | 110 Herculis                         | „          | 48 44,625   | 23                           |   |        |        |        |                             |  |                                  |                     |                    |  |
| Juli 15 Arm West.    |                                      |            |   |                              |   |        |        |        |                             |  |                                  |                     |                    |  |
| 1                    | 60 Herculis                          | P          | 17 8 13,680   | 23                           | 17 2 39,387   | -0,087 | +0,046 | -0,235 | 48,520                      | 17 0 50,584  |                                  |                     | - 7                |  |
| 2                    | η Ophiuchi                           | „          | 12 9,037  | 23                           | 6 34,742  | -0,043 | +0,068 | -0,238 | 614                         | 4 45,920   |                                  |                     | + 5                |  |
| 3                    | H46 7 <sup>m</sup> 10 <sup>s</sup>   | „          | 15 14,015   | 25                           | 9 39,718  |        |        |        |                             |  |                                  |                     |                    |  |
| 4                    | α Herculis                           | „          | 17 34,464   | 20                           | 12 0,165  | -0,090 | +0,045 | -0,237 | 547                         | 10 11,340  |                                  |                     | + 4                |  |
| 5                    | H 17 15 <sup>m</sup> 20 <sup>s</sup> | „          | 20 54,301   | 25                           |   |        |        |        |                             |  |                                  |                     |                    |  |
| Juli 20 Arm West.    |                                      |            |   |                              |   |        |        |        |                             |  |                                  |                     |                    |  |
| 1                    | β Aquilae                            | P          | 19 57 59,365  | 23                           | 19 52 20,678  | -0,094 | +0,043 | -0,218 | 49,589                      | 19 50 30,819                                       |                                  |                     | - 1                |  |
| 2                    | γ Sagittae                           | „          | 20 1 53,530   | 23                           | 56 14,841   | -0,120 | +0,035 | -0,230 | 572                         | 54 24,948  |                                  |                     | - * 6              |  |

Juni 18. Luft 4. Juli 20. (2) geschätzt 5,0.

| Nr.   | Stern                                | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich   | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17   | i I.   | k K.   | c C.   | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Præcession | Helligk. Gleichung | Rectascension<br>1900,0 |
|---|--------------------------------------|------------|--|------------------------------|--|--------|--------|--------|-----------------------------|--|----------------------------------|--------------------|--------------------|-------------------------|
| 1901 Juli 20 (Forts.)   |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 3   | H 17 0 <sup>m</sup> 20 <sup>s</sup>  | P          | 20 <sup>h</sup> 5 <sup>m</sup> 58 <sup>s</sup> 692 | 25                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 4   | H 46 1 <sup>m</sup> 20 <sup>s</sup>  | "          | 9 29,548   | 24                           | 20 <sup>h</sup> 3 <sup>m</sup> 50 <sup>s</sup> 855 |        |        |        | -1 <sup>m</sup>             |  |                                  |                    |                    |                         |
| 5   | ♄ Aquilae                            | "          | 13 44,259  | 23                           | 8 5,563  | -0,081 | +0,048 | -0,217 | 49,623                      | 20 <sup>h</sup> 6 <sup>m</sup> 15 <sup>s</sup> 692 |                                  |                    | + 2                |                         |
| Juli 31 Arm West.   |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1   | η Serpentin                          | B          | 18 23 57,069                                       | 23                           | 18 13 8,564  | -0,044 | +0,042 | -0,221 | 53,343                      | 18 16 15,002                                       |                                  |                    | + 4                |                         |
| 2   | 109 Herculis                         | "          | 27 14,338  | 20                           | 21 25,831  | -0,071 | +0,028 | -0,238 | 345                         | 19 32,179  |                                  |                    | + 26               |                         |
| 3   | H 46 22 <sup>m</sup> 0 <sup>s</sup>  | "          | 30 21,545  | 24                           | 24 33,036  |        |        |        |                             |  |                                  |                    |                    |                         |
| 4   | H 17 30 <sup>m</sup> 0 <sup>s</sup>  | "          | 35 48,513  | 45                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 5   | 110 Herculis                         | "          | 49 9,747   | 23                           | 43 21,225  | -0,070 | +0,029 | -0,236 | 354                         | 41 27,587  |                                  |                    | - 7                |                         |
| August 9 Arm Ost.   |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1   | γ Ophiuchi                           | B          | 18 1 32,223  | 19                           | 17 55 34,113                                       | +0,031 | +0,093 | +0,193 | 56,060                      | 17 53 38,371                                       |                                  |                    | + 1                |                         |
| 2   | 72 Ophiuchi                          | "          | 10 36,697  | 20                           | 18 4 38,579  | +0,049 | +0,071 | +0,192 | 077                         | 18 2 42,813  |                                  |                    | - 1                |                         |
| 3   | H 46 5 <sup>m</sup> 0 <sup>s</sup>   | "          | 13 33,051  | 25                           | 7 34,931   |        |        |        |                             |  |                                  |                    |                    |                         |
| 4   | H 17 12 <sup>m</sup> 0 <sup>s</sup>  | "          | 17 58,124  | 28                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 5   | η Serpentin                          | "          | 24 8,875   | 23                           | 18 10,746  | +0,037 | +0,085 | +0,190 | 129                         | 16 14,933  |                                  |                    | + 4                |                         |
| August 12 Arm Ost.  |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1   | ♄ Aquilae                            | B          | 19 28 32,983                                       | 23                           | 19 22 30,994                                       | +0,007 | +0,049 | +0,205 | 57,000                      | 19 20 34,258                                       |                                  |                    | + 3                |                         |
| 2   | β Cygni                              | "          | 34 45,997  | 22                           | 28 44,002  | +0,011 | +0,030 | +0,232 | 56,991                      | 26 47,294  |                                  |                    | + 10               |                         |
| 3   | H 46 30 <sup>m</sup> 0 <sup>s</sup>  | "          | 38 37,656  | 26                           | 32 35,637  |        |        |        |                             |  |                                  |                    |                    |                         |
| 4   | H 17 37 <sup>m</sup> 0 <sup>s</sup>  | "          | 43 2,002   | 25                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 5   | γ Aquilae                            | "          | 49 35,703  | 23                           | 43 33,695  | +0,008 | +0,044 | +0,208 | 986                         | 41 36,982  |                                  |                    | + 13               |                         |
| August 16 Arm West.   |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1   | γ Lyrae                              | P          | 19 3 22,137  | 18                           | 18 57 15,906                                       | +0,009 | -0,010 | -0,279 | 57,906                      | 18 55 17,723                                       |                                  |                    | + 3                |                         |
| 2   | ♄ Aquilae                            | "          | 8 59,539   | 23                           | 19 2 53,303  | +0,006 | -0,017 | -0,242 | 895                         | 19 0 55,159  |                                  |                    | + 4                |                         |
| 3   | H 17 6 <sup>m</sup> 10 <sup>s</sup>  | "          | 12 16,238  | 24                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 4   | H 46 6 <sup>m</sup> 50 <sup>s</sup>  | "          | 15 32,927  | 25                           | 9 26,686   |        |        |        |                             |  |                                  |                    |                    |                         |
| 5   | ♄ Aquilae                            | "          | 21 18,181  | 22                           | 15 11,936  | +0,006 | -0,017 | -0,240 | 846                         | 13 13,830  |                                  |                    | - 9                |                         |
| August 22 Arm Ost.  |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1   | β Aquilae                            | P          | 19 58 42,153                                       | 23                           | 19 52 29,801                                       | +0,004 | -0,048 | +0,204 | 59,137                      | 19 50 30,823                                       |                                  |                    | - 1                |                         |
| 2   | γ Sagittae                           | "          | 20 2 36,248  | 23                           | 56 23,894  | +0,005 | -0,038 | +0,215 | 149                         | 54 24,928  |                                  |                    | + 1                |                         |
| 3   | H 17 0 <sup>m</sup> 20 <sup>s</sup>  | "          | 6 32,358   | 25                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 4   | H 46 1 <sup>m</sup> 20 <sup>s</sup>  | "          | 10 10,605  | 25                           | 20 3 58,245  |        |        |        |                             |  |                                  |                    |                    |                         |
| 5   | ♄ Aquilae                            | "          | 14 27,101  | 23                           | 8 14,738   | +0,004 | -0,053 | +0,203 | 130                         | 20 6 15,763  |                                  |                    | + 2                |                         |
| August 27 Arm Ost.  |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1   | α Ophiuchi                           | P          | 17 38 41,207                                       | 18                           | 17 32 23,919                                       | +0,066 | -0,055 | +0,211 | 0,340                       | 17 30 23,310                                       |                                  |                    | + 9                |                         |
| 2   | β Ophiuchi                           | "          | 46 56,065  | 15                           | 40 38,772  | +0,056 | -0,063 | +0,206 | 868                         | 38 38,108  |                                  |                    | + 5                |                         |
| 3   | μ Herculis                           | "          | 50 55,562  | 23                           | 44 38,266  | +0,085 | -0,040 | +0,233 | 801                         | 42 37,745  |                                  |                    | + 2                |                         |
| 4   | H 46 45 <sup>m</sup> 0 <sup>s</sup>  | "          | 53 56,769  | 25                           | 47 39,471  |        |        |        |                             |  |                                  |                    |                    |                         |
| 5   | H 17 33 <sup>m</sup> 50 <sup>s</sup> | "          | 9 42 7,849   | 25                           |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 6   | H 46 36 <sup>m</sup> 50 <sup>s</sup> | "          | 45 47,451  | 25                           | 9 39 29,599  |        |        |        |                             |  |                                  |                    |                    |                         |
| September 5 Arm Ost.  |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |
| 1   | β Delphini                           | P          | 20 41 27,340                                       | 23                           | 20 35 1,624  | +0,124 | -0,146 | +0,215 | 3,644                       | 20 32 58,173                                       |                                  |                    | 0                  |                         |
| 2   | α Delphini                           | "          | 43 35,309  | 17                           | 37 9,592   | +0,127 | -0,143 | +0,216 | 631                         | 35 6,160   |                                  |                    | - 1                |                         |
| 3   | α Cygni                              | "          | 46 35,900  | 12                           | 40 10,180  | +0,214 | -0,041 | +0,293 | 570                         | 38 7,090   |                                  |                    | + 14               |                         |
| 4   | ε Cygni                              | "          | 50 45,042  | 23                           | 44 19,320  | +0,174 | -0,088 | +0,250 | 610                         | 42 16,053  |                                  |                    | + 7                |                         |
| <p>Juli 31. Nebelwolken; (2) geschätzt 5,8. Aug. 9. Luft 4-5. Aug. 12. Luft 4. Aug. 22. Luft 2-3. Aug. 27. Durch einen Fehler in der Leitung konnte die Vergleichung von H 17 mit der Registriruhr Knoblich erst am folgenden Morgen stattfinden. Zur Uebertragung wurde eine zweite Vergleichung mit H 46 ausgeführt. Sept. 5. Luft 4.</p> |                                      |            |  |                              |  |        |        |        |                             |  |                                  |                    |                    |                         |

| Nr.                       | Stern                                | Beobachter | Durchgangszeit Mittelf. nach Knoblich               | Anzahl Fäden oder Signale | Durchgangszeit Mittelf. nach Hohwü 17               | i I.    | k K.    | c C.    | Corr. von Hohwü 17 | Scheinbare Rectascension                            | Red. auf Jahresanfang | Red. f. Praecession | Helligk. Gleichung | Rectascension 1900,0 |
|---------------------------|--------------------------------------|------------|---|---------------------------|---|---------|---------|---------|--------------------|---|-----------------------|---------------------|--------------------|----------------------|
| 1901 September 5 (Forts.) |                                      |            |   |                           |   |         |         |         |                    |   |                       |                     |                    |                      |
| 5                         | H 46 46 <sup>m</sup> 50 <sup>s</sup> | P          | 20 <sup>h</sup> 55 <sup>m</sup> 57 <sup>s</sup> 250 | 25                        | 20 <sup>h</sup> 49 <sup>m</sup> 31 <sup>s</sup> 524 |         |         |         |                    |   |                       |                     |                    |                      |
| 6                         | H 17 54 <sup>m</sup> 0 <sup>s</sup>  | "          | 21 0 25,728   | 25                        |   |         |         |         | -2 <sup>m</sup>    |   |                       |                     |                    |                      |
| September 16 Arm Ost.     |                                      |            |   |                           |   |         |         |         |                    |   |                       |                     |                    |                      |
| 1                         | z <sup>2</sup> Capricorni            | P          | 20 21 21,017  | 23                        | 20 14 45,113  | + 0,039 | - 0,278 | + 0,224 | 7,396              | 20 <sup>h</sup> 12 <sup>m</sup> 37 <sup>s</sup> 700 |                       |                     | - 2                |                      |
| 2                         | γ Cygni                              | "          | 27 26,792   | 23                        | 20 50,885   | + 0,116 | - 0,083 | + 0,284 | 389                | 18 43,822   |                       |                     | + 9                |                      |
| 3                         | H 17 24 <sup>m</sup> 40 <sup>s</sup> | "          | 31 15,909   | 25                        |   |         |         |         |                    |   |                       |                     |                    |                      |
| 4                         | z Delphini                           | "          | 37 15,835   | 23                        | 30 39,923   | + 0,070 | - 0,201 | + 0,222 | 348                | 28 32,664   |                       |                     | - 2                |                      |
| 5                         | H 46 30 <sup>m</sup> 40 <sup>s</sup> | "          | 40 0,026  | 25                        | 33 24,112   |         |         |         |                    |   |                       |                     |                    |                      |
| September 20 Arm Ost.     |                                      |            |   |                           |   |         |         |         |                    |   |                       |                     |                    |                      |
| 1                         | μ Pegasi                             | P          | 22 54 5,342   | 23                        | 22 47 26,254  | + 0,154 | - 0,178 | + 0,228 | 8,752              | 22 45 17,707  |                       |                     | + 1                |                      |
| 2                         | δ Aquarii                            | "          | 58 15,981   | 23                        | 51 36,890   | + 0,061 | - 0,333 | + 0,217 | 812                | 49 28,023   |                       |                     | 0                  |                      |
| 3                         | H 17 55 <sup>m</sup> 50 <sup>s</sup> | "          | 23 2 29,093   | 25                        |   |         |         |         |                    |   |                       |                     |                    |                      |
| 4                         | H 46 56 <sup>m</sup> 10 <sup>s</sup> | "          | 5 34,458  | 25                        | 58 55,365   |         |         |         |                    |   |                       |                     |                    |                      |
| 5                         | β Pegasi                             | "          | 7 50,392  | 19                        | 23 1 11,295   | + 0,164 | - 0,162 | + 0,234 | 746                | 59 2,793  |                       |                     | + 8                |                      |
| September 26 Arm West.    |                                      |            |   |                           |   |         |         |         |                    |   |                       |                     |                    |                      |
| 1                         | z Pegasi                             | P          | 23 8 50,040   | 21                        | 23 2 5,158  | + 0,066 | - 0,206 | - 0,240 | 10,838             | 22 59 53,946  |                       |                     | + 6                |                      |
| 2                         | H 46 2 <sup>m</sup> 40 <sup>s</sup>  | "          | 12 11,943   | 25                        | 5 27,059  |         |         |         |                    |   |                       |                     |                    |                      |
| 3                         | H 17 8 <sup>m</sup> 40 <sup>s</sup>  | "          | 15 24,886   | 25                        |   |         |         |         |                    |   |                       |                     |                    |                      |
| 4                         | γ Piscium                            | "          | 21 2,385  | 23                        | 14 17,495   | + 0,052 | - 0,249 | - 0,232 | 859                | 23 12 6,206   |                       |                     | - 1                |                      |
| 5                         | τ Pegasi                             | "          | 24 44,586   | 21                        | 17 59,694   | + 0,076 | - 0,173 | - 0,252 | 817                | 15 48,515   |                       |                     | - *13              |                      |
| October 1 Arm West.       |                                      |            |   |                           |   |         |         |         |                    |   |                       |                     |                    |                      |
| 1                         | H 17 23 <sup>m</sup> 0 <sup>s</sup>  | P          | 21 29 49,642  | 24                        |   |         |         |         |                    |   |                       |                     |                    |                      |
| 2                         | β Aquarii                            | "          | 35 26,758   | 21                        | 21 28 37,113  | + 0,056 | - 0,283 | - 0,229 | 11,893             | 21 26 24,767  |                       |                     | + 3                |                      |
| 3                         | H 46 28 <sup>m</sup> 20 <sup>s</sup> | "          | 37 58,098   | 25                        | 31 8,451  |         |         |         |                    |   |                       |                     |                    |                      |
| 4                         | γ Cygni                              | "          | 42 4,353  | 21                        | 35 14,704   | + 0,134 | - 0,092 | - 0,297 | 866                | 32 2,575  |                       |                     | - 8                |                      |
| 5                         | z Pegasi                             | "          | 48 25,172   | 13                        | 41 35,519   | + 0,078 | - 0,228 | - 0,231 | 888                | 39 23,258   |                       |                     | + 8                |                      |
| October 11 Arm Ost.       |                                      |            |   |                           |   |         |         |         |                    |   |                       |                     |                    |                      |
| 1                         | μ Andromedae                         | P          | 1 0 32,797  | 23                        | 0 53 35,486   | + 0,318 | - 0,145 | + 0,280 | 15,401             | 0 51 20,537   |                       |                     | - 1                |                      |
| 2                         | z Piscium                            | "          | 7 5,380   | 23                        | 1 0 8,065   | + 0,185 | - 0,330 | + 0,223 | 488                | 57 52,651   |                       |                     | - 4                |                      |
| 3                         | H 46 0 <sup>m</sup> 20 <sup>s</sup>  | "          | 10 7,736  | 25                        | 3 10,419  |         |         |         |                    |   |                       |                     |                    |                      |
| 4                         | H 17 6 <sup>m</sup> 50 <sup>s</sup>  | "          | 13 47,319   | 25                        |   |         |         |         |                    |   |                       |                     |                    |                      |
| October 12 Arm Ost.       |                                      |            |   |                           |   |         |         |         |                    |   |                       |                     |                    |                      |
| 1                         | Polaris O.C.m.P.                     | P          | -   | 14                        | 1 26 22,73  | + 10,55 | + 13,27 | + 10,65 | 15,85              | 1 24 41,35  |                       |                     |                    |                      |
| 2                         | " " o.P.                             | "          | -   | 19                        | 26 23,26  | "       | "       | "       | 85                 | 24 41,88  |                       |                     |                    |                      |
| October 16 Arm Ost.       |                                      |            |   |                           |   |         |         |         |                    |   |                       |                     |                    |                      |
| 1                         | z Cygni                              | P          | 21 18 4,575   | 22                        | 21 11 2,912   | + 0,278 | - 0,224 | + 0,253 | 16,575             | 21 8 46,646   |                       |                     | + 2                |                      |
| 2                         | z Equulei                            | "          | 20 14,302   | 10                        | 13 12,638   | + 0,178 | - 0,377 | + 0,221 | 611                | 10 56,047   |                       |                     | - 2                |                      |
| 3                         | ι Pegasi                             | "          | 26 52,035   | 23                        | 19 50,367   | + 0,233 | - 0,294 | + 0,233 | 670                | 17 33,867   |                       |                     | - 2                |                      |
| 4                         | H 46 19 <sup>m</sup> 45 <sup>s</sup> | "          | 29 38,446   | 25                        | 22 36,776   |         |         |         |                    |   |                       |                     |                    |                      |
| 5                         | H 17 26 <sup>m</sup> 20 <sup>s</sup> | "          | 33 21,672   | 25                        |   |         |         |         |                    |   |                       |                     |                    |                      |
| October 22 Arm West.      |                                      |            |   |                           |   |         |         |         |                    |   |                       |                     |                    |                      |
| 1                         | γ Aquarii                            | P          | 22 26 2,774   | 23                        | 22 18 55,665  | + 0,133 | - 0,427 | - 0,252 | 18,682             | 22 16 36,435  |                       |                     | - 2                |                      |
| 2                         | H 17 23 <sup>m</sup> 30 <sup>s</sup> | "          | 30 37,112   | 25                        |   |         |         |         |                    |   |                       |                     |                    |                      |
| 3                         | H 46 24 <sup>m</sup> 0 <sup>s</sup>  | "          | 34 0,736  | 25                        | 26 53,623   |         |         |         |                    |   |                       |                     |                    |                      |
| 4                         | γ Aquarii                            | "          | 39 46,374   | 11                        | 32 39,257   | + 0,137 | - 0,420 | - 0,252 | 653                | 30 20,066   |                       |                     | - 3                |                      |

Sept. 26. (5) mittl. Gr. 6,0. Oct. 11. Luft feucht, oft Wolken. Oct. 12. (1) und (2) Luft 2-3; Feldbeleuchtung schwach.

| Nr.                      | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich             | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17              | i I.                | k K.                | c C.                 | Corr. von Hohwü 17  | Scheinbare Rect-ascension                           | Red. auf Jahres-anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension 1900,0 |
|--------------------------|--------------------------------------|------------|--|---------------------------|---|---------------------|---------------------|----------------------|---------------------|---|------------------------|---------------------|--------------------|----------------------|
| 1901 October 22 (Forts.) |                                      |            |  |                           |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 5                        | ξ Pegasi                             | P          | 22 <sup>h</sup> 46 <sup>m</sup> 18 <sup>s</sup> 17 | 23                        | 22 <sup>h</sup> 38 <sup>m</sup> 54 <sup>s</sup> 496 | +0 <sup>s</sup> 172 | -0 <sup>s</sup> 357 | - 0 <sup>s</sup> 256 | 18 <sup>s</sup> 680 | 22 <sup>h</sup> 36 <sup>m</sup> 35 <sup>s</sup> 376 |                        |                     | + 1                |                      |
| October 26 Arm West.     |                                      |            |  |                           |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 1                        | H 46 50 <sup>m</sup> 5 <sup>s</sup>  | P          | 22 0 9,929   | 24                        | 21 52 59,722  |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 2                        | 20 Pegasi                            | "          | 5 49,744   | 11                        | 58 39,534   | +0,195              | -0,374              | - 0,256              | 19,533              | 21 56 19,554  |                        |                     | - 12               |                      |
| 3                        | α Aquarii                            | "          | 10 16,013  | 19                        | 22 3 5,801  | +0,149              | -0,458              | - 0,250              | 58,4                | 22 0 45,661   |                        |                     | + 3                |                      |
| 4                        | 9 Pegasi                             | "          | 14 46,327  | 23                        | 7 36,113  | +0,171              | -0,418              | - 0,251              | 555                 | 5 16,059  |                        |                     | - 1                |                      |
| 5                        | H 17 11 <sup>m</sup> 20 <sup>s</sup> | "          | 18 30,216  | 24                        |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| November 1 Arm West.     |                                      |            |  |                           |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 1                        | ε Pegasi                             | P          | 21 48 57,343                                       | 23                        | 21 41 43,561  | +0,170              | -0,451              | - 0,261              | 20,173              | 21 39 22,854  |                        |                     | + 8                |                      |
| 2                        | δ Capricorni                         | "          | 51 13,345  | 16                        | 43 59,563   | +0,086              | -0,638              | - 0,269              | 42,4                | 41 38,320   |                        |                     | + 2                |                      |
| 3                        | 16 Pegasi                            | "          | 58 11,169  | 23                        | 50 57,385   | +0,225              | -0,328              | - 0,286              | 146                 | 48 36,842   |                        |                     | - 8                |                      |
| 4                        | H 17 54 <sup>m</sup> 30 <sup>s</sup> | "          | 22 1 43,786  | 24                        |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 5                        | H 46 55 <sup>m</sup> 0 <sup>s</sup>  | "          | 5 10,310   | 25                        | 57 56,523   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| November 4 Arm West.     |                                      |            |  |                           |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 1                        | π Andromedae                         | P          | 0 41 15,780  | 23                        | 0 34 0,810  | +0,310              | -0,274              | - 0,315              | 20,142              | 0 31 40,385   |                        |                     | - 4                |                      |
| 2                        | δ Andromedae                         | "          | 43 42,184  | 17                        | 36 26,213   | +0,295              | -0,303              | - 0,306              | 121                 | 34 6,781  |                        |                     | + 3                |                      |
| 3                        | β Ceti                               | "          | 48 17,363  | 23                        | 41 1,391  | +0,096              | -0,699              | - 0,279              | 15,4                | 38 41,362   |                        |                     | + 7                |                      |
| 4                        | H 46 40 <sup>m</sup> 50 <sup>s</sup> | "          | 51 2,332   | 24                        | 43 46,359   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 5                        | H 17 47 <sup>m</sup> 20 <sup>s</sup> | "          | 54 35,975  | 25                        |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| November 15 Arm West.    |                                      |            |  |                           |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 1                        | α Andromedae                         | B          | 0 13 4,562   | 21                        | 0 5 43,614  | +0,306              | -0,298              | - 0,311              | 22,743              | 0 3 20,597  |                        |                     | + 29               |                      |
| 2                        | γ Pegasi                             | "          | 17 56,568  | 23                        | 10 35,619   | +0,240              | -0,411              | - 0,283              | 69,4                | 8 12,481  |                        |                     | + 10               |                      |
| 3                        | ε Ceti                               | "          | 24 11,595  | 21                        | 16 50,643   | +0,142              | -0,581              | - 0,277              | 84,5                | 14 27,082   |                        |                     | 0                  |                      |
| 4                        | H 46 20 <sup>m</sup> 0 <sup>s</sup>  | "          | 30 20,914  | 27                        | 22 59,960   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 5                        | H 17 27 <sup>m</sup> 0 <sup>s</sup>  | "          | 34 20,955  | 24                        |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| November 22 Arm West.    |                                      |            |  |                           |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 1                        | ι Piscium                            | B          | 1 7 41,006   | 19                        | 1 0 16,807  | +0,212              | -0,448              | - 0,264              | 23,692              | 0 57 52,605   |                        |                     | - 10               |                      |
| 2                        | β Andromedae                         | "          | 14 4,372   | 23                        | 6 40,171  | +0,347              | -0,226              | - 0,320              | 626                 | 1 4 16,317  |                        |                     | - 29               |                      |
| 3                        | H 46 9 <sup>m</sup> 0 <sup>s</sup>   | "          | 19 26,040  | 24                        | 12 1,837  |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 4                        | ν Piscium                            | "          | 23 54,444  | 23                        | 16 30,240   | +0,300              | -0,304              | - 0,293              | 628                 | 14 6,286  |                        |                     | - 29               |                      |
| 5                        | H 17 22 <sup>m</sup> 0 <sup>s</sup>  | "          | 29 24,205  | 43                        |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| November 26 Arm West.    |                                      |            |  |                           |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 1                        | ξ Ceti                               | P          | 2 32 47,591  | 21                        | 2 25 22,113   | +0,228              | -0,520              | - 0,269              | 23,152              | 2 22 58,396   |                        |                     | - 4                |                      |
| 2                        | H 17 29 <sup>m</sup> 0 <sup>s</sup>  | "          | 36 25,478  | 25                        |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 3                        | ν Arietis                            | "          | 43 5,760   | 23                        | 35 40,280   | +0,290              | -0,405              | - 0,286              | 102                 | 33 16,766   |                        |                     | - 11               |                      |
| 4                        | H 46 36 <sup>m</sup> 10 <sup>s</sup> | "          | 46 38,536  | 25                        | 39 13,056   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 5                        | π Ceti                               | "          | 49 18,410  | 17                        | 41 52,929   | +0,129              | -0,699              | - 0,275              | 157                 | 39 28,922   |                        |                     | - 5                |                      |
| December 6 Arm West.     |                                      |            |  |                           |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 1                        | H 46 31 <sup>m</sup> 0 <sup>s</sup>  | B          | 1 41 35,076  | 27                        | 1 34 6,132  |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 2                        | ν Piscium                            | "          | 46 14,358  | 23                        | 38 45,412   | +0,249              | -0,542              | - 0,273              | 23,678              | 1 36 21,132   |                        |                     | - 36               |                      |
| 3                        | ρ Piscium                            | "          | 50 7,557   | 15                        | 42 38,610   | +0,267              | -0,512              | - 0,275              | 633                 | 40 14,415   |                        |                     | - 42               |                      |
| 4                        | α Trianguli                          | "          | 57 24,172  | 23                        | 49 55,224   | +0,383              | -0,330              | - 0,311              | 621                 | 47 31,316   |                        |                     | - 29               |                      |
| 5                        | H 17 56 <sup>m</sup> 0 <sup>s</sup>  | "          | 2 3 28,950   | 24                        |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| December 16 Arm Ost.     |                                      |            |  |                           |   |                     |                     |                      |                     |   |                        |                     |                    |                      |
| 1                        | H 46 2 <sup>m</sup> 0 <sup>s</sup>   | B          | 4 12 41,450  | 24                        | 4 5 8,814   |                     |                     |                      |                     |   |                        |                     |                    |                      |

Nov. 1. (2) Beobachtung offenbar verfehlt, ausgeschlossen. Nov. 4. Luft 3. Nov. 15. Luft 4. Nov. 22. Luft 4-5, Wolken; (2) mittl. Gr. 6,0, (+) 6,0. Dec. 6. Sterne schwach durch Dunst und sehr unruhig; (2) mittl. Gr. 6,5; (3) bisweilen ganz verschwunden, im Mittel 7,0; (+) im Mittel 6,0.

| Nr.                       | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich      | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17      | i I.                 | k K.                 | c C.                 | Corr.<br>von<br>Hohwü<br>17            | Scheinbare<br>Rect-<br>ascension                 | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension<br>1900,0 |
|---------------------------|--------------------------------------|------------|---|------------------------------|---|----------------------|----------------------|----------------------|--|--|----------------------------------|---------------------|--------------------|-------------------------|
| 1901 December 16 (Forts.) |                                      |            |   |                              |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 2                         | $\alpha^1$ Eridani                   | B          | 4 <sup>h</sup> 17 <sup>m</sup> 5 <sup>s</sup> 847 | 18                           | 4 <sup>h</sup> 9 <sup>m</sup> 33 <sup>s</sup> 210 | + 0 <sup>s</sup> 218 | - 0 <sup>s</sup> 656 | + 0 <sup>s</sup> 259 | -2 <sup>m</sup><br>26 <sup>s</sup> 378 | 4 <sup>h</sup> 7 <sup>m</sup> 6 <sup>s</sup> 611 |                                  |                     | -* 42              |                         |
| 3                         | $\gamma$ Tauri                       | "          | 24 13,634   | 23                           | 16 40,995   | + 0,352              | - 0,471              | + 0,267              | 228                                    | 14 14,886  |                                  |                     | -* 29              |                         |
| 4                         | $\delta$ Tauri                       | "          | 27 17,645   | 22                           | 19 45,005   | + 0,365              | - 0,455              | + 0,269              | 226                                    | 17 18,929  |                                  |                     | -* 29              |                         |
| 5                         | H 17 25 <sup>m</sup> 0 <sup>s</sup>  | "          | 32 32,642   | 24                           |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| December 17 Arm Ost.      |                                      |            |   |                              |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 1                         | $\eta$ Pegasi                        | P          | 22 48 23,392                                      | 23                           | 22 40 50,448                                      | + 0,501              | - 0,340              | + 0,296              | 26,137                                 | 22 38 24,773                                     |                                  |                     | + 5                |                         |
| 2                         | $\lambda$ Pegasi                     | "          | 51 47,722   | 23                           | 44 14,776   | + 0,447              | - 0,408              | + 0,279              | 176                                    | 41 48,916  |                                  |                     | - 2                |                         |
| 3                         | H 46 44 <sup>m</sup> 20 <sup>s</sup> | "          | 55 2,104  | 25                           | 47 29,157   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 4                         | H 17 55 <sup>m</sup> 20 <sup>s</sup> | "          | 23 2 52,949                                       | 24                           |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 5                         | $\beta$ Pegasi                       | "          | 9 0,595   | 23                           | 23 1 27,644                                       | + 0,483              | - 0,363              | + 0,290              | 244                                    | 59 1,818   |                                  |                     | + 8                |                         |
| December 25 Arm Ost.      |                                      |            |   |                              |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 1                         | $\mu$ Eridani                        | B          | 4 50 43,907                                       | 10                           | 4 43 6,875  | + 0,246              | - 0,679              | + 0,240              | 28,701                                 | 4 40 37,971                                      |                                  |                     | - 10               |                         |
| 2                         | $\varepsilon$ Aurigae                | "          | 5 5 3,886   | 18                           | 57 26,849   | + 0,593              | - 0,167              | + 0,332              | 704                                    | 54 58,913  |                                  |                     | + 10               |                         |
| 3                         | H 46 1 <sup>m</sup> 0 <sup>s</sup>   | "          | 11 48,720   | 24                           | 5 4 11,680  |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 4                         | H 17 9 <sup>m</sup> 0 <sup>s</sup>   | "          | 16 37,042   | 24                           |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 1902 Januar 5 Arm Ost.    |                                      |            |   |                              |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 1                         | $\gamma$ Pegasi                      | B          | 23 34 27,290                                      | 11                           | 23 26 43,154                                      | + 0,189              | - 0,400              | + 0,237              | 30,991                                 | 23 24 12,178                                     |                                  |                     | - 11               |                         |
| 2                         | $\delta$ Andromedae                  | "          | 43 34,846   | 16                           | 35 50,706   | + 0,323              | - 0,137              | + 0,316              | 994                                    | 33 20,207  |                                  |                     | - 7                |                         |
| 3                         | $\delta$ Piscium                     | "          | 45 10,100   | 14                           | 37 25,960   | + 0,165              | - 0,448              | + 0,233              | 31,025                                 | 34 54,878  |                                  |                     | - 7                |                         |
| 4                         | H 46 40 <sup>m</sup> 0 <sup>s</sup>  | "          | 50 58,463   | 25                           | 43 14,321   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 5                         | H 17 49 <sup>m</sup> 0 <sup>s</sup>  | "          | 56 44,145   | 35                           |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| Januar 11 Arm Ost.        |                                      |            |   |                              |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 1                         | $\gamma$ Tauri                       | B          | 4 24 32,851                                       | 23                           | 4 16 45,547                                       | + 0,250              | - 0,398              | + 0,249              | 30,790                                 | 4 14 14,844                                      |                                  |                     | -* 14              |                         |
| 2                         | $\delta$ Tauri                       | "          | 27 36,926   | 23                           | 19 49,621   | + 0,259              | - 0,384              | + 0,251              | 839                                    | 17 18,886  |                                  |                     | -* 22              |                         |
| 3                         | $\varepsilon$ Tauri                  | "          | 33 13,615   | 20                           | 25 26,308   | + 0,266              | - 0,371              | + 0,254              | 825                                    | 22 55,610  |                                  |                     | -* 22              |                         |
| 4                         | H 46 26 <sup>m</sup> 0 <sup>s</sup>  | "          | 37 3,217  | 24                           | 29 15,910   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 5                         | H 17 34 <sup>m</sup> 0 <sup>s</sup>  | "          | 41 47,309   | 30                           |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| Januar 18 Arm Ost.        |                                      |            |   |                              |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 1                         | $\zeta$ Geminorum                    | P          | 8 7 51,981  | 18                           | 8 0 2,554   | + 0,321              | - 0,336              | + 0,277              | 30,302                                 | 7 57 32,507                                      |                                  |                     | - 7                |                         |
| 2                         | H 17 4 <sup>m</sup> 5 <sup>s</sup>   | "          | 11 54,428   | 24                           |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 3                         | H 46 4 <sup>m</sup> 35 <sup>s</sup>  | "          | 15 42,481   | 25                           | 7 53,052  |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 4                         | $\beta$ Cancri                       | "          | 21 33,961   | 23                           | 13 44,531   | + 0,231              | - 0,498              | + 0,247              | 202                                    | 8 11 14,310                                      |                                  |                     | + 1                |                         |
| 5                         | $\gamma$ Lyncis                      | "          | 26 29,550   | 23                           | 18 40,118   | + 0,423              | - 0,150              | + 0,336              | 218                                    | 16 10,505  |                                  |                     | - 4                |                         |
| 6                         | Br. 1197                             | "          | 31 7,919  | 23                           | 23 18,486   | + 0,175              | - 0,601              | + 0,244              | 260                                    | 20 48,043  |                                  |                     | - 1                |                         |
| Januar 28 Arm Ost.        |                                      |            |   |                              |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 1                         | $\delta$ Orionis                     | B          | 5 37 27,542                                       | 9                            | 5 29 33,713                                       | + 0,244              | - 0,622              | + 0,240              | 31,739                                 | 5 27 1,857                                       |                                  |                     | + 21               |                         |
| 2                         | $\varepsilon$ Orionis                | "          | 41 42,053   | 23                           | 33 48,222   | + 0,238              | - 0,630              | + 0,240              | 790                                    | 31 16,319  |                                  |                     | + 39               |                         |
| 3                         | H 46 38 <sup>m</sup> 0 <sup>s</sup>  | "          | 49 13,707   | 24                           | 41 19,874   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 4                         | $\zeta$ Orionis                      | "          | 53 34,227   | 23                           | 45 40,393   | + 0,191              | - 0,701              | + 0,243              | 744                                    | 43 8,406   |                                  |                     | + 24               |                         |
| 5                         | H 17 51 <sup>m</sup> 0 <sup>s</sup>  | "          | 58 53,835   | 31                           |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| Januar 30 Arm Ost.        |                                      |            |   |                              |   |                      |                      |                      |  |  |                                  |                     |                    |                         |
| 1                         | Polaris O.C.                         | P          | 1 33 11,30  | 49                           | 1 25 16,93  | + 15,32              | + 21,97              | + 11,70              | 31,70                                  | 1 23 34,22                                       |                                  |                     |                    |                         |
| 2                         | H 17 35 <sup>m</sup> 40 <sup>s</sup> | "          | 43 34,375   | 13                           |   |                      |                      |                      |  |  |                                  |                     |                    |                         |

Dec. 16. Wolken, Luft 4; (2) mittl. Gr. 7,0; (3) mittl. Gr. 6,0; (4) mittl. Gr. 6,0. Dec. 17. Feldbel. schwach. Dec. 25. (1) und (2) schwach durch Wolken. Jan. 5. Ohne künstliche Feldbeleuchtung. Jan. 11. Wolken, Luft 4; (1) mittl. Gr. 5,0; (2) mittl. Gr. 5,5; (3) mittl. Gr. 5,5. Jan. 28. Luft 2, feucht. Jan. 30. (1) Luft 2.

| Nr.                     | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich        | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17        | i I.                | k K.                | c C.                 | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Precession | Helligk. Gleichung | Rectascension<br>1900,0 |
|-------------------------|--------------------------------------|------------|---|------------------------------|---|---------------------|---------------------|----------------------|-----------------------------|--|----------------------------------|--------------------|--------------------|-------------------------|
| 1902 Februar 1 Arm Ost. |                                      |            |   |                              |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 1                       | $\delta$ Orionis                     | B          | 5 <sup>h</sup> 37 <sup>m</sup> 28 <sup>s</sup> .190 | 23                           | 5 <sup>h</sup> 29 <sup>m</sup> 33 <sup>s</sup> .232 | +0 <sup>s</sup> 235 | -0 <sup>s</sup> 577 | + 0 <sup>s</sup> 253 | 31 <sup>s</sup> 345         | 5 <sup>h</sup> 27 <sup>m</sup> 1 <sup>s</sup> .819 |                                  |                    | + 21               |                         |
| 2                       | $\epsilon$ Orionis                   | "          | 41 42,660   | 19                           | 33 47,700   | +0,230              | -0,584              | + 0,253              | 357                         | 31 16,281  |                                  |                    | + 39               |                         |
| 3                       | H 46 38 <sup>m</sup> 0 <sup>s</sup>  | "          | 49 15,771   | 23                           | 41 20,809   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 4                       | $\kappa$ Orionis                     | "          | 53 34,898   | 21                           | 45 39,935   | +0,185              | -0,650              | + 0,257              | 361                         | 43 8,370   |                                  |                    | + 24               |                         |
| 5                       | H 17 51 <sup>m</sup> 0 <sup>s</sup>  | "          | 58 54,964   | 24                           |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| Februar 7 Arm Ost.      |                                      |            |   |                              |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 1                       | $\pi^5$ Orionis                      | P          | 4 59 39,686   | 16                           | 4 51 41,986   | +0,275              | -0,648              | + 0,256              | 31,479                      | 4 49 10,389  |                                  |                    | - 1                |                         |
| 2                       | H 46 52 <sup>m</sup> 30 <sup>s</sup> | "          | 5 3 50,267  | 25                           | 55 52,565   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 3                       | $\iota$ Tauri                        | "          | 7 44,895  | 23                           | 59 47,192   | +0,393              | -0,465              | + 0,275              | 220                         | 57 16,170  |                                  |                    | - 5                |                         |
| 4                       | $\beta$ Eridani                      | "          | 13 32,702   | 23                           | 5 5 34,997  | +0,230              | -0,717              | + 0,257              | 252                         | 5 3 3,520  |                                  |                    | + 5                |                         |
| 5                       | H 17 9 <sup>m</sup> 10 <sup>s</sup>  | "          | 17 7,707  | 25                           |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| Februar 12 Arm Ost.     |                                      |            |   |                              |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 1                       | $\nu$ Orionis                        | B          | 6 12 33,790   | 23                           | 6 4 32,953  | +0,331              | -0,557              | + 0,271              | 32,349                      | 6 2 0,641  |                                  |                    | - 8                |                         |
| 2                       | $\eta$ Geminorum                     | "          | 19 32,916   | 23                           | 11 32,076   | +0,379              | -0,475              | + 0,284              | 327                         | 8 59,941   |                                  |                    | + 4                |                         |
| 3                       | H 46 13 <sup>m</sup> 0 <sup>s</sup>  | "          | 24 24,080   | 24                           | 16 23,238   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 4                       | $\mu$ Geminorum                      | "          | 27 37,150   | 13                           | 19 36,307   | +0,379              | -0,475              | + 0,284              | 352                         | 17 4,153   |                                  |                    | + 10               |                         |
| 5                       | H 17 26 <sup>m</sup> 0 <sup>s</sup>  | "          | 34 0,846  | 30                           |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| Februar 15 Arm Ost.     |                                      |            |   |                              |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 21                      | $\zeta$ Leonis                       | B          | 10 21 51,413  | 22                           | 10 13 48,870  | +0,372              | -0,449              | + 0,295              | 32,202                      | 10 11 16,887                                       |                                  |                    | + 1                |                         |
| 22                      | $\mu$ Ursae maj.                     | "          | 27 6,248  | 23                           | 19 3,703  | +0,511              | -0,205              | + 0,362              | 146                         | 16 32,235  |                                  |                    | + 10               |                         |
| 23                      | $\beta$ Leonis min.                  | "          | 32 49,874   | 18                           | 24 47,327   | +0,469              | -0,280              | + 0,338              | 183                         | 22 15,664  |                                  |                    | - 7                |                         |
| 24                      | H 46 25 <sup>m</sup> 0 <sup>s</sup>  | "          | 36 27,022   | 25                           | 28 24,473   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 25                      | H 17 32 <sup>m</sup> 0 <sup>s</sup>  | "          | 40 2,550  | 31                           |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| Februar 20 Arm Ost.     |                                      |            |   |                              |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 1                       | H 46 58 <sup>m</sup> 10 <sup>s</sup> | P          | 10 9 42,168   | 24                           | 10 1 36,494   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 2                       | $\zeta$ Leonis                       | "          | 21 54,038   | 20                           | 13 48,378   | +0,372              | -0,445              | + 0,276              | 31,650                      | 10 11 16,932                                       |                                  |                    | + 1                |                         |
| 3                       | $\mu$ Ursae maj.                     | "          | 27 9,020  | 22                           | 19 3,337  | +0,511              | -0,204              | + 0,339              | 698                         | 16 32,289  |                                  |                    | + 4                |                         |
| 4                       | $\mu$ Hydrae                         | "          | 32 1,223  | 19                           | 23 55,538   | +0,147              | -0,832              | + 0,263              | 568                         | 21 23,544  |                                  |                    | - 4                |                         |
| 5                       | H 17 27 <sup>m</sup> 10 <sup>s</sup> | "          | 35 15,686   | 24                           |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| Februar 24 Arm Ost.     |                                      |            |   |                              |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 1                       | $\pi$ Geminorum                      | B          | 7 51 53,628   | 17                           | 7 43 45,183   | +0,412              | -0,329              | + 0,294              | 31,613                      | 7 41 13,927  |                                  |                    | - 20               |                         |
| 2                       | H 46 46 <sup>m</sup> 0 <sup>s</sup>  | "          | 57 36,289   | 24                           | 49 27,842   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 3                       | $\chi$ Geminorum                     | "          | 8 8 12,366  | 23                           | 8 0 3,914   | +0,374              | -0,400              | + 0,278              | 623                         | 57 32,526  |                                  |                    | - 17               |                         |
| 4                       | $\beta$ Cancri                       | "          | 21 54,607   | 23                           | 13 46,148   | +0,269              | -0,593              | + 0,248              | 694                         | 8 11 14,379  |                                  |                    | + 1                |                         |
| 5                       | H 17 21 <sup>m</sup> 0 <sup>s</sup>  | "          | 29 8,462  | 24                           |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| März 4 Arm Ost.         |                                      |            |   |                              |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 1                       | $\beta$ Canis min.                   | B          | 7 32 38,367   | 9                            | 7 24 24,738   | +0,182              | -0,544              | + 0,237              | 32,375                      | 7 21 52,248  |                                  |                    | + 10               |                         |
| 2                       | H 46 27 <sup>m</sup> 0 <sup>s</sup>  | "          | 38 43,450   | 24                           | 30 29,818   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 3                       | 25 Monocerotis                       | "          | 43 12,676   | 19                           | 34 59,042   | +0,139              | -0,649              | + 0,234              | 373                         | 32 26,373  |                                  |                    | - 20               |                         |
| 4                       | $\kappa$ Geminorum                   | "          | 49 20,151   | 20                           | 41 6,514  | +0,243              | -0,397              | + 0,257              | 390                         | 38 34,230  |                                  |                    | + 3                |                         |
| 5                       | $\pi$ Geminorum                      | "          | 51 59,569   | 21                           | 43 45,931   | +0,284              | -0,297              | + 0,281              | 352                         | 41 13,827  |                                  |                    | - 20               |                         |
| 6                       | H 17 49 <sup>m</sup> 0 <sup>s</sup>  | "          | 57 13,640   | 30                           |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| März 5 Arm Ost.         |                                      |            |   |                              |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |
| 24                      | H 17 7 <sup>m</sup> 50 <sup>s</sup>  | P          | 13 16 4,470   | 13                           |   |                     |                     |                      |                             |  |                                  |                    |                    |                         |

Febr. 1. Luft 4, starker Wind. Febr. 7. Luft 3. Febr. 12. Luft 4-5. Febr. 15. Luft 3. Febr. 20. Luft 2-3. Febr. 24. Luft 4. März 4. Luft 4.

| Nr.                  | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich        | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17        | i I.                | k K.                 | c C.                 | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Reet-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Precession | Helligk. Gleichung | Rectascension<br>1900,0 |
|----------------------|--------------------------------------|------------|---|------------------------------|---|---------------------|----------------------|----------------------|-----------------------------|--|----------------------------------|--------------------|--------------------|-------------------------|
| 1902 März 5 (Forts.) |                                      |            |   |                              |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 25                   | Polaris U.C. Reg.                    | P          | 13 <sup>h</sup> 34 <sup>m</sup> 34 <sup>s</sup> .94 | 23                           | 13 <sup>h</sup> 26 <sup>m</sup> 20 <sup>s</sup> .46 | -8 <sup>s</sup> .86 | -22 <sup>s</sup> .30 | -11 <sup>s</sup> .55 | 32 <sup>s</sup> .34         | 13 <sup>h</sup> 23 <sup>m</sup> 5 <sup>s</sup> .41 |                                  |                    |                    |                         |
| 26                   | " " A.O.                             | "          | —   | 22                           | 26 21,17  | "                   | "                    | "                    | 34                          | 23 6,12  |                                  |                    |                    |                         |
| März 10 Arm Ost.     |                                      |            |   |                              |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 1                    | ζ Hydrae                             | B          | 9 1 5,346   | 22                           | 8 52 47,938   | +0,167              | -0,493               | +0,253               | 32,767                      | 8 50 15,105  |                                  |                    | + 7                |                         |
| 2                    | α Cancri                             | "          | 4 0,265   | 22                           | 55 42,855   | +0,187              | -0,449               | +0,257               | 827                         | 53 10,015  |                                  |                    | - 8                |                         |
| 3                    | 40 Lyncis                            | "          | 25 57,625   | 12                           | 9 17 40,207   | +0,277              | -0,248               | +0,306               | 749                         | 9 15 7,800   |                                  |                    | + 7                |                         |
| 4                    | H 46 18 <sup>m</sup> 0 <sup>s</sup>  | "          | 29 48,171   | 26                           | 21 30,751   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 5                    | α Hydrae                             | "          | 33 39,065   | 23                           | 25 21,644   | +0,119              | -0,601               | +0,254               | 783                         | 22 48,662  |                                  |                    | + 29               |                         |
| 6                    | H 17 30 <sup>m</sup> 0 <sup>s</sup>  | "          | 38 17,423   | 31                           |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| März 13 Arm Ost.     |                                      |            |   |                              |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 1                    | H 17 13 <sup>m</sup> 50 <sup>s</sup> | P          | 1 22 8,620  | 13                           |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 2                    | Polaris O.C.A.O.                     | "          | —   | 16                           | 1 24 55,50  | +9,49               | +21,16               | +10,83               | 32,63                       | 1 23 4,35  |                                  |                    |                    |                         |
| 3                    | " " Reg.                             | "          | 33 14,02  | 21                           | 24 55,40  | "                   | "                    | "                    | 63                          | 23 4,25  |                                  |                    |                    |                         |
| März 14 Arm Ost.     |                                      |            |   |                              |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 1                    | H 17 14 <sup>m</sup> 30 <sup>s</sup> | P          | 1 22 49,154   | 13                           |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 2                    | Polaris O.C. Reg.                    | "          | 33 14,23  | 24                           | 1 24 55,07  | +8,88               | +21,19               | +10,64               | 32,66                       | 1 23 3,12  |                                  |                    |                    |                         |
| 3                    | " " A.O.                             | "          | —   | 22                           | 24 55,68  | "                   | "                    | "                    | 66                          | 23 3,73  |                                  |                    |                    |                         |
| 4                    | γ Geminorum                          | B          | 8 8 24,161  | 20                           | 8 0 4,859   | +0,256              | -0,318               | +0,260               | 32,718                      | 7 57 32,303  |                                  |                    | - *36              |                         |
| 5                    | H 46 0 <sup>m</sup> 0 <sup>s</sup>   | "          | 11 51,422   | 32                           | 3 32,118  |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 6                    | β Cancri                             | "          | 22 6,317  | 23                           | 13 47,009   | +0,184              | -0,471               | +0,232               | 733                         | 8 11 14,192  |                                  |                    | - *29              |                         |
| 7                    | 31 Lyncis                            | "          | 27 1,904  | 14                           | 18 42,595   | +0,337              | -0,142               | +0,316               | 698                         | 16 10,342  |                                  |                    | - *66              |                         |
| 8                    | H 17 26 <sup>m</sup> 0 <sup>s</sup>  | "          | 34 19,312   | 32                           |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| März 19 Arm Ost.     |                                      |            |   |                              |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 1                    | 33 Sextantis                         | B          | 10 47 22,999  | 22                           | 10 39 0,628   | +0,146              | -0,512               | +0,232               | 32,937                      | 10 36 27,520                                       |                                  |                    | - 37               |                         |
| 2                    | 42 Leonis min.                       | "          | 51 22,640   | 23                           | 43 0,267  | +0,266              | -0,267               | +0,271               | 904                         | 40 27,610  |                                  |                    | - 23               |                         |
| 3                    | l Leonis                             | "          | 55 4,189  | 23                           | 46 41,815   | +0,188              | -0,427               | +0,236               | 921                         | 44 8,868   |                                  |                    | - 23               |                         |
| 4                    | H 46 47 <sup>m</sup> 0 <sup>s</sup>  | "          | 58 55,193   | 25                           | 50 32,817   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 5                    | H 17 57 <sup>m</sup> 0 <sup>s</sup>  | "          | 11 5 22,378   | 31                           |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| April 3 Arm Ost.     |                                      |            |   |                              |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 1                    | α Hydrae                             | B          | 9 33 54,013   | 22                           | 9 25 23,995   | +0,135              | -0,348               | +0,244               | 35,641                      | 9 22 48,414  |                                  |                    | + 29               |                         |
| 2                    | 10 Leonis min.                       | "          | 39 20,741   | 23                           | 30 50,721   | +0,326              | -0,131               | +0,302               | 537                         | 28 15,670  |                                  |                    | - 11               |                         |
| 3                    | H 46 31 <sup>m</sup> 0 <sup>s</sup>  | "          | 43 1,022  | 24                           | 34 31,001   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 4                    | ε Leonis                             | "          | 51 24,951   | 23                           | 42 54,927   | +0,262              | -0,204               | +0,265               | 600                         | 40 19,660  |                                  |                    | + 10               |                         |
| 5                    | H 17 49 <sup>m</sup> 0 <sup>s</sup>  | "          | 57 30,026   | 27                           |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| April 8 Arm Ost.     |                                      |            |   |                              |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 1                    | η Leonis                             | B          | 10 13 9,650   | 23                           | 10 4 37,303   | +0,218              | -0,234               | +0,253               | 35,862                      | 10 2 1,681   |                                  |                    | + 3                |                         |
| 2                    | λ Hydrae                             | "          | 16 59,136   | 23                           | 8 26,788  | +0,113              | -0,358               | +0,247               | 898                         | 5 50,886   |                                  |                    | - 6                |                         |
| 3                    | λ Ursae maj.                         | "          | 22 21,399   | 19                           | 13 49,049   | +0,345              | -0,081               | +0,333               | 839                         | 11 13,811  |                                  |                    | + 4                |                         |
| 4                    | μ Ursae maj.                         | "          | 27 39,710   | 23                           | 19 7,359  | +0,335              | -0,092               | +0,326               | 887                         | 16 32,051  |                                  |                    | + 10               |                         |
| 5                    | H 46 19 <sup>m</sup> 0 <sup>s</sup>  | "          | 31 2,971  | 24                           | 22 30,619   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 6                    | H 17 26 <sup>m</sup> 0 <sup>s</sup>  | "          | 34 32,354   | 29                           |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| April 12 Arm Ost.    |                                      |            |   |                              |   |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 1                    | ο Virginis                           | B          | 12 11 25,369  | 23                           | 12 2 51,483   | +0,188              | -0,279               | +0,227               | 36,074                      | 12 0 15,538  |                                  |                    | - 7                |                         |
| 2                    | H 46 3 <sup>m</sup> 0 <sup>s</sup>   | "          | 15 5,084  | 25                           | 6 31,197  |                     |                      |                      |                             |  |                                  |                    |                    |                         |
| 3                    | 2 Canum ven.                         | "          | 22 24,993   | 23                           | 13 51,103   | +0,330              | -0,102               | +0,298               | 010                         | 11 15,587  |                                  |                    | - 32               |                         |

März 5. (25) und (26) Luft 2-3. März 10. Luft 3-4. März 13. (2) und (3) schwach, Luft 3. März 14. (2) und (3) Luft 3; am Abend Luft 4, Wolken; (4) mittl. Gr. 6,5; (6) mittl. Gr. 6,0; (7) mittl. Gr. 8,0. April 3. Luft 3-4. April 12. Luft 2-3.

| Nr.                    | Stern                               | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich       | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17        | i I.                | k K.                | c C.                 | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension                    | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Præcession | Helligk. Gleichung | Rectascension<br>1900,0 |
|------------------------|-------------------------------------|------------|--|------------------------------|---|---------------------|---------------------|----------------------|-----------------------------|---|----------------------------------|--------------------|--------------------|-------------------------|
| 1902 April 12 (Forts.) |                                     |            |  |                              |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 4                      | $\eta$ Virginis                     | B          | 12 <sup>h</sup> 26 <sup>m</sup> 6 <sup>s</sup> 103 | 23                           | 12 <sup>h</sup> 17 <sup>m</sup> 32 <sup>s</sup> 212 | +0 <sup>s</sup> 155 | -0 <sup>s</sup> 320 | + 0 <sup>s</sup> 224 | 36 <sup>s</sup> 180         | 12 <sup>h</sup> 14 <sup>m</sup> 56 <sup>s</sup> 085 |                                  |                    | -                  | 6                       |
| 5                      | H 17 23 <sup>m</sup> 0 <sup>s</sup> | "          | 31 33,894  | 24                           |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| April 18 Arm West.     |                                     |            |  |                              |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 1                      | H 46 46 <sup>m</sup> 0 <sup>s</sup> | B          | 10 58 9,450  | 29                           | 10 49 31,078  |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 2                      | $\chi$ Leonis                       | "          | 11 11 15,329                                       | 23                           | 11 2 36,949   | +0,125              | -0,260              | - 0,256              | 36,499                      | 11 0 0,045  |                                  |                    | -                  | 14                      |
| 3                      | H 17 6 <sup>m</sup> 0 <sup>s</sup>  | "          | 14 38,383  | 26                           |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 4                      | $\delta$ Leonis                     | "          | 20 11,375  | 22                           | 11 32,991   | +0,158              | -0,204              | - 0,271              | 499                         | 8 56,190  |                                  |                    | +                  | 15                      |
| 5                      | $\nu$ Ursae maj.                    | "          | 24 28,757  | 18                           | 15 50,370   | +0,196              | -0,141              | - 0,304              | 502                         | 13 13,622   |                                  |                    | +                  | 3                       |
| 6                      | $\sigma$ Leonis                     | "          | 27 22,694  | 20                           | 18 44,306   | +0,121              | -0,265              | - 0,255              | 514                         | 16 7,387  |                                  |                    | -                  | 6                       |
| 7                      | H 17 22 <sup>m</sup> 0 <sup>s</sup> | "          | 30 38,388  | 28                           |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| April 25 Arm West.     |                                     |            |  |                              |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 1                      | H 46 51 <sup>m</sup> 0 <sup>s</sup> | B          | 11 3 14,664  | 27                           | 10 54 30,256  |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 2                      | $\chi$ Leonis                       | "          | 11 21,848  | 18                           | 11 2 37,435   | -0,055              | -0,197              | - 0,251              | 36,941                      | 10 59 59,977  |                                  |                    | -                  | 14                      |
| 3                      | H 17 6 <sup>m</sup> 0 <sup>s</sup>  | "          | 14 44,414  | 35                           |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 4                      | $\delta$ Leonis                     | "          | 20 17,939  | 22                           | 11 33,522   | -0,070              | -0,155              | - 0,267              | 923                         | 11 8 56,122   |                                  |                    | +                  | 15                      |
| 5                      | $\nu$ Ursae maj.                    | "          | 24 35,360  | 11                           | 15 50,941   | -0,087              | -0,107              | - 0,299              | 914                         | 13 13,537   |                                  |                    | +                  | 3                       |
| 6                      | $\nu$ Leonis                        | "          | 43 20,216  | 23                           | 34 35,787   | -0,046              | -0,221              | - 0,249              | 37,000                      | 31 58,260   |                                  |                    | -                  | 11                      |
| April 28 Arm West.     |                                     |            |  |                              |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 1                      | $\psi$ Bootis                       | B          | 15 11 41,135                                       | 15                           | 15 2 54,953   | -0,045              | -0,138              | - 0,300              | 37,153                      | 15 0 17,307   |                                  |                    | -                  | 10                      |
| 2                      | H 46 3 <sup>m</sup> 0 <sup>s</sup>  | "          | 15 16,351  | 33                           | 6 30,168  |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 3                      | $\beta$ Librae                      | "          | 23 10,820  | 22                           | 14 24,634   | -0,021              | -0,258              | - 0,269              | 253                         | 11 46,845   |                                  |                    | +                  | 12                      |
| 4                      | H 17 18 <sup>m</sup> 0 <sup>s</sup> | "          | 26 46,188  | 39                           |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 5                      | $\mu$ Bootis                        | "          | 32 13,590  | 23                           | 23 27,400   | -0,054              | -0,092              | - 0,336              | 156                         | 20 49,754   |                                  |                    | -                  | 8                       |
| 6                      | $\beta$ Coronae                     | "          | 35 13,663  | 18                           | 26 27,472   | -0,047              | -0,129              | - 0,306              | 200                         | 23 49,790   |                                  |                    | 0                  |                         |
| Mai 3 Arm West.        |                                     |            |  |                              |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 1                      | $\beta$ Librae                      | B          | 15 23 14,917                                       | 22                           | 15 14 25,543  | +0,042              | -0,260              | - 0,257              | 38,179                      | 15 11 46,901  |                                  |                    | +                  | 12                      |
| 2                      | H 46 15 <sup>m</sup> 0 <sup>s</sup> | "          | 27 19,322  | 29                           | 18 29,946   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 3                      | $\mu$ Bootis                        | "          | 32 17,566  | 19                           | 23 28,188   | +0,107              | -0,093              | - 0,321              | 069                         | 20 49,804   |                                  |                    | -                  | 8                       |
| 4                      | $\beta$ Coronae                     | "          | 35 17,672  | 23                           | 26 28,292   | +0,092              | -0,130              | - 0,292              | 116                         | 23 49,846   |                                  |                    | 0                  |                         |
| 5                      | H 17 31 <sup>m</sup> 0 <sup>s</sup> | "          | 39 49,382  | 32                           |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| Mai 9 Arm West.        |                                     |            |  |                              |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 1                      | $\eta$ Bootis                       | B          | 14 1 36,680  | 23                           | 13 52 42,729  | +0,073              | -0,229              | - 0,276              | 38,605                      | 13 50 3,691   |                                  |                    | -*                 | 1                       |
| 2                      | $\tau$ Virginis                     | "          | 8 15,457   | 23                           | 59 21,502   | +0,053              | -0,302              | - 0,261              | 715                         | 56 42,269   |                                  |                    | -                  | 8                       |
| 3                      | H 46 2 <sup>m</sup> 0 <sup>s</sup>  | "          | 14 23,354  | 24                           | 14 5 29,395   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 4                      | $\delta$ Bootis                     | "          | 17 31,360  | 23                           | 8 37,400  | +0,081              | -0,196              | - 0,289              | 593                         | 14 5 58,366   |                                  |                    | -*                 | 37                      |
| 5                      | H 17 15 <sup>m</sup> 0 <sup>s</sup> | "          | 23 53,964  | 32                           |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| Mai 24 Arm West.       |                                     |            |  |                              |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 1                      | $\eta$ Ophiuchi                     | B          | 17 16 37,835                                       | 22                           | 17 7 30,262   | +0,031              | -0,392              | - 0,255              | 40,961                      | 17 4 48,697   |                                  |                    | +                  | 12                      |
| 2                      | $\delta$ Herculis                   | "          | 22 52,033  | 5                            | 13 44,456   | +0,078              | -0,206              | - 0,271              | 890                         | 11 3,115  |                                  |                    | -*                 | 52                      |
| 3                      | H 46 16 <sup>m</sup> 0 <sup>s</sup> | "          | 28 34,220  | 26                           | 19 26,639   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 4                      | H 17 24 <sup>m</sup> 0 <sup>s</sup> | "          | 33 7,584   | 33                           |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| Mai 31 Arm West.       |                                     |            |  |                              |   |                     |                     |                      |                             |   |                                  |                    |                    |                         |
| 1                      | $\kappa$ Virginis                   | B          | 14 19 39,947                                       | 22                           | 14 10 25,024  | +0,021              | -0,130              | - 0,226              | 41,690                      | 14 7 42,975   |                                  |                    | -*                 | 24                      |
| 2                      | $\iota$ Virginis                    | "          | 22 52,376  | 18                           | 13 37,451   | +0,024              | -0,123              | - 0,224              | 750                         | 10 55,355   |                                  |                    | -*                 | 23                      |
| 3                      | H 46 17 <sup>m</sup> 0 <sup>s</sup> | "          | 29 40,311  | 26                           | 20 25,381   |                     |                     |                      |                             |   |                                  |                    |                    |                         |

April 18. Luft 3-4, dunstig. April 25. Luft 3. Mai 9. Nebelwolken; (2) 1 Grkl. geschwächt; (4) 1,5 Grkl. geschwächt.  
 Mai 24. Wolken; (2) m. Gr. 7,5. Mai 31. Dunstig; (1) und (2) 1 Grkl. geschwächt.

| Nr.                  | Stern                               | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17 | i I.   | k K.   | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension       | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk.<br>Gleichung | Rectascension<br>1900,0 |
|----------------------|-------------------------------------|------------|--|------------------------------|--|--------|--------|---------|-----------------------------|--|----------------------------------|---------------------|-----------------------|-------------------------|
| 1902 Mai 31 (Forts.) |                                     |            |  |                              |  |        |        |         |                             |  |                                  |                     |                       |                         |
| 4                    | $\rho$ Bootis                       | B          | 14 <sup>h</sup> 39 <sup>m</sup> 35,790       | 22                           | 14 <sup>h</sup> 30 <sup>m</sup> 20,853       | +0,049 | -0,061 | - 0,260 | 41,622                      | 14 <sup>h</sup> 27 <sup>m</sup> 38,937 |                                  |                     | -*22                  |                         |
| 5                    | H 17 36 <sup>m</sup> 0 <sup>s</sup> | "          | 45 14,941                                    | 32                           |  |        |        |         |                             |  |                                  |                     |                       |                         |
| Juni 11 Arm West.    |                                     |            |  |                              |  |        |        |         |                             |  |                                  |                     |                       |                         |
| 1                    | $\tau$ Virginis                     | B          | 14 8 52,463                                  | 18                           | 13 59 26,860                                 | +0,013 | -0,182 | - 0,247 | 44,256                      | 13 56 42,180                           |                                  |                     | - 8                   |                         |
| 2                    | H 46 1 <sup>m</sup> 0 <sup>s</sup>  | "          | 13 47,898                                    | 26                           | 14 4 22,292                                  |        |        |         |                             |  |                                  |                     | -*39                  |                         |
| 3                    | $\zeta$ Virginis                    | "          | 19 53,340                                    | 23                           | 10 27,730                                    | +0,010 | -0,212 | - 0,250 | 303                         | 14 7 42,936                            |                                  |                     | -*55                  |                         |
| 4                    | $\nu$ Virginis                      | "          | 23 5,685                                     | 16                           | 13 40,073                                    | +0,011 | -0,201 | - 0,248 | 264                         | 10 55,316                              |                                  |                     |                       |                         |
| 5                    | H 17 21 <sup>m</sup> 0 <sup>s</sup> | "          | 30 25,616                                    | 34                           |  |        |        |         |                             |  |                                  |                     |                       |                         |
| Juni 17 Arm West.    |                                     |            |  |                              |  |        |        |         |                             |  |                                  |                     |                       |                         |
| 1                    | $\psi$ Bootis                       | B          | 15 12 34,124                                 | 23                           | 15 3 3,821                                   | +0,050 | -0,106 | - 0,272 | 46,124                      | 15 0 17,359                            |                                  |                     | - 10                  |                         |
| 2                    | H 17 7 <sup>m</sup> 0 <sup>s</sup>  | "          | 16 30,306                                    | 32                           |  |        |        |         |                             |  |                                  |                     | + 12                  |                         |
| 3                    | $\beta$ Librae                      | "          | 24 4,058                                     | 23                           | 14 33,748                                    | +0,024 | -0,199 | - 0,245 | 245                         | 11 47,095                              |                                  |                     |                       |                         |
| 4                    | H 46 15 <sup>m</sup> 0 <sup>s</sup> | "          | 27 51,305                                    | 31                           | 18 20,993                                    |        |        |         |                             |  |                                  |                     | - 8                   |                         |
| 5                    | $\mu$ Bootis                        | "          | 33 6,656                                     | 23                           | 23 36,340                                    | +0,060 | -0,071 | - 0,306 |                             | 20 49,834                              |                                  |                     |                       |                         |
| Juni 23 Arm West.    |                                     |            |  |                              |  |        |        |         |                             |  |                                  |                     |                       |                         |
| 1                    | $\varepsilon$ Serpentis             | B          | 15 58 23,251                                 | 28                           | 15 48 46,544                                 | +0,029 | -0,082 | - 0,235 | 47,425                      | 15 45 58,831                           |                                  |                     | 0                     |                         |
| 2                    | $\varepsilon$ Coronae               | "          | 16 5 58,973                                  | 23                           | 56 22,260                                    | +0,044 | -0,053 | - 0,263 | 459                         | 53 34,525                              |                                  |                     | - 4                   |                         |
| 3                    | H 46 56 <sup>m</sup> 0 <sup>s</sup> | "          | 8 56,664                                     | 32                           | 59 19,949                                    |        |        |         |                             |  |                                  |                     | + 13                  |                         |
| 4                    | $\delta$ Ophiuchi                   | "          | 21 40,274                                    | 23                           | 16 12 3,549                                  | +0,024 | -0,092 | - 0,234 | 482                         | 16 9 15,778                            |                                  |                     | + 4                   |                         |
| 5                    | $\varepsilon$ Ophiuchi              | "          | 25 35,911                                    | 23                           | 15 59,183                                    | +0,024 | -0,093 | - 0,235 | 521                         | 13 11,362                              |                                  |                     |                       |                         |
| 6                    | H 17 20 <sup>m</sup> 0 <sup>s</sup> | "          | 29 36,732                                    | 39                           |  |        |        |         |                             |  |                                  |                     |                       |                         |
| Juni 28 Arm West.    |                                     |            |  |                              |  |        |        |         |                             |  |                                  |                     |                       |                         |
| 1                    | $\delta$ Ophiuchi                   | B          | 16 21 46,753                                 | 16                           | 16 12 4,050                                  | -0,011 | -0,007 | - 0,217 | 48,050                      | 16 9 15,778                            |                                  |                     | + 13                  |                         |
| 2                    | $\varepsilon$ Ophiuchi              | "          | 25 42,419                                    | 23                           | 15 59,712                                    | -0,011 | -0,007 | - 0,218 | 118                         | 13 11,362                              |                                  |                     | + 4                   |                         |
| 3                    | $\gamma$ Herculis                   | "          | 30 9,786                                     | 22                           | 20 27,076                                    | -0,018 | -0,005 | - 0,230 | 116                         | 17 38,707                              |                                  |                     | 0                     |                         |
| 4                    | H 46 20 <sup>m</sup> 0 <sup>s</sup> | "          | 33 1,556                                     | 29                           | 23 18,844                                    |        |        |         |                             |  |                                  |                     | + 15                  |                         |
| 5                    | $\beta$ Herculis                    | "          | 38 34,333                                    | 16                           | 28 51,616                                    | -0,019 | -0,004 | - 0,234 | 070                         | 26 3,304                               |                                  |                     |                       |                         |
| 6                    | H 17 33 <sup>m</sup> 0 <sup>s</sup> | "          | 42 42,720                                    | 31                           |  |        |        |         |                             |  |                                  |                     |                       |                         |
| Juli 5 Arm West.     |                                     |            |  |                              |  |        |        |         |                             |  |                                  |                     |                       |                         |
| 1                    | $\delta$ Ophiuchi                   | B          | 16 21 55,380                                 | 23                           | 16 12 5,492                                  | -0,002 | -0,042 | - 0,232 | 49,475                      | 16 9 15,754                            |                                  |                     | + 13                  |                         |
| 2                    | $\varepsilon$ Ophiuchi              | "          | 25 50,981                                    | 22                           | 16 1,090                                     | -0,002 | -0,043 | - 0,233 | 472                         | 13 11,344                              |                                  |                     | + 4                   |                         |
| 3                    | $\gamma$ Herculis                   | "          | 30 18,253                                    | 23                           | 20 28,359                                    | -0,004 | -0,029 | - 0,246 | 411                         | 17 38,669                              |                                  |                     | 0                     |                         |
| 4                    | H 46 23 <sup>m</sup> 0 <sup>s</sup> | "          | 36 7,641                                     | 25                           | 26 17,743                                    |        |        |         |                             |  |                                  |                     |                       |                         |
| 5                    | H 17 31 <sup>m</sup> 0 <sup>s</sup> | "          | 40 49,902                                    | 34                           |  |        |        |         |                             |  |                                  |                     |                       |                         |
| Juli 12 Arm West.    |                                     |            |  |                              |  |        |        |         |                             |  |                                  |                     |                       |                         |
| 1                    | $\beta$ Lyrae                       | B          | 18 59 19,506                                 | 22                           | 18 49 22,374                                 | +0,058 | -0,031 | - 0,284 | 51,137                      | 18 46 30,958                           |                                  |                     | -*22                  |                         |
| 2                    | R Lyrae                             | "          | 19 5 13,112                                  | 23                           | 55 15,976                                    | +0,070 | -0,016 | - 0,330 | 198                         | 52 24,466                              |                                  |                     | -*36                  |                         |
| 3                    | $\gamma$ Lyrae                      | "          | 8 8,569                                      | 17                           | 58 11,431                                    | +0,057 | -0,032 | - 0,282 | 230                         | 55 19,930                              |                                  |                     | -*14                  |                         |
| 4                    | H 46 59 <sup>m</sup> 0 <sup>s</sup> | "          | 12 13,937                                    | 24                           | 19 2 16,797                                  |        |        |         |                             |  |                                  |                     |                       |                         |
| 5                    | H 17 7 <sup>m</sup> 0 <sup>s</sup>  | "          | 16 57,144                                    | 36                           |  |        |        |         |                             |  |                                  |                     |                       |                         |
| Juli 15 Arm West.    |                                     |            |  |                              |  |        |        |         |                             |  |                                  |                     |                       |                         |
| 1                    | H 46 57 <sup>m</sup> 0 <sup>s</sup> | B          | 20 10 16,960                                 | 27                           | 20 0 16,726                                  |        |        |         |                             |  |                                  |                     | + 4                   |                         |
| 2                    | $\theta$ Aquilae                    | "          | 19 10,895                                    | 22                           | 9 10,655                                     | +0,057 | +0,036 | - 0,223 | 52,082                      | 20 6 18,447                            |                                  |                     | - 24                  |                         |
| 3                    | 24 Vulpeculae                       | "          | 25 31,285                                    | 23                           | 15 31,040                                    | +0,092 | +0,023 | - 0,245 | 51,985                      | 12 38,901                              |                                  |                     | + 26                  |                         |
| 4                    | $\gamma$ Cygni                      | "          | 31 38,527                                    | 23                           | 21 38,278                                    | +0,121 | +0,012 | - 0,291 | 982                         | 18 46,164                              |                                  |                     |                       |                         |

Mai 31. (4) mittl. Gr. 5,5. Juni 11. Wolken; (3) um 2 Grkl. geschwächt; (4) um 3 Grkl. geschwächt. Juni 23. Luft 3-4. Juni 28. Luft 4, Feldbeleuchtung schwach. Juli 5. Luft 2-3. Juli 12. Wolken; (1) Gr. 5,5; (2) Gr. 6,5; (3) Gr. 5,0. Juli 15. Luft 3-4.

| Nr.                   | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich             | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17              | i I.   | k K.   | c C.   | Corr. von Hohwü 17 | Scheinbare Rect-ascension                           | Red. auf Jahres-anfang | Red. f. Precession | Helligk. Gleichung | Rectascension 1900,0 |
|-----------------------|--------------------------------------|------------|--|---------------------------|---|--------|--------|--------|--------------------|---|------------------------|--------------------|--------------------|----------------------|
| 1902 Juli 15 (Forts.) |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |                      |
| 5                     | H 17 31 <sup>m</sup> 0 <sup>s</sup>  | B          | 20 <sup>h</sup> 41 <sup>m</sup> 0 <sup>s</sup> 256 | 33                        |   |        |        |        |                    |   |                        |                    |                    |                      |
| Juli 23 Arm West.     |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |                      |
| 1                     | H 17 49 <sup>m</sup> 0 <sup>s</sup>  | B          | 17 59 8,040  | 28                        |   |        |        |        | -2 <sup>m</sup>    |   |                        |                    |                    |                      |
| 2                     | γ Ophiuchi                           | "          | 18 6 44,245  | 19                        | 17 <sup>h</sup> 56 <sup>m</sup> 36 <sup>s</sup> 205 | +0,047 | -0,110 | -0,246 | 54,417             | 17 <sup>h</sup> 53 <sup>m</sup> 41 <sup>s</sup> 480 |                        |                    | + 1                |                      |
| 3                     | 67 Ophiuchi                          | "          | 8 50,236   | 18                        | 58 42,195   | +0,065 | -0,093 | -0,243 | 340                | 55 47,578   |                        |                    | - 6                |                      |
| 4                     | 72 Ophiuchi                          | "          | 15 48,123  | 23                        | 18 5 40,079   | +0,074 | -0,084 | -0,246 | 311                | 18 2 45,511   |                        |                    | - 1                |                      |
| 5                     | H 46 5 <sup>m</sup> 0 <sup>s</sup>   | "          | 18 23,484  | 32                        | 8 15,436  |        |        |        |                    |   |                        |                    |                    |                      |
| 6                     | H 17 13 <sup>m</sup> 0 <sup>s</sup>  | "          | 23 8,046   | 20                        |   |        |        |        |                    |   |                        |                    |                    |                      |
| Juli 31 Arm West.     |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |                      |
| 1                     | H 46 18 <sup>m</sup> 0 <sup>s</sup>  | B          | 17 31 30,168                                       | 27                        | 17 21 14,310  |        |        |        |                    |   |                        |                    |                    |                      |
| 2                     | H 17 26 <sup>m</sup> 0 <sup>s</sup>  | "          | 36 15,860  | 32                        |   |        |        |        |                    |   |                        |                    |                    |                      |
| 3                     | α Ophiuchi                           | "          | 43 39,095  | 22                        | 33 23,230   | +0,131 | -0,072 | -0,244 | 56,884             | 17 30 26,187  |                        |                    | + 26               |                      |
| 4                     | β Ophiuchi                           | "          | 51 54,129  | 22                        | 41 38,259   | +0,112 | -0,082 | -0,239 | 953                | 38 41,109   |                        |                    | + 12               |                      |
| 5                     | η Herculis                           | "          | 55 53,184  | 23                        | 45 37,311   | +0,170 | -0,052 | -0,269 | 890                | 42 40,274   |                        |                    | + 4                |                      |
| August 5 Arm West.    |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |                      |
| 1                     | γ Ophiuchi                           | B          | 18 7 0,619   | 19                        | 17 56 40,198  | +0,075 | -0,137 | -0,240 | 58,461             | 17 53 41,413  |                        |                    | -*22               |                      |
| 2                     | 67 Ophiuchi                          | "          | 9 6,666  | 18                        | 58 46,244   | +0,103 | -0,116 | -0,237 | 453                | 55 47,505   |                        |                    | -*36               |                      |
| 3                     | 72 Ophiuchi                          | "          | 16 4,574   | 21                        | 18 5 44,147   | +0,118 | -0,105 | -0,240 | 475                | 18 2 45,438   |                        |                    | -*7                |                      |
| 4                     | H 46 7 <sup>m</sup> 0 <sup>s</sup>   | "          | 20 34,272  | 27                        | 10 13,843   |        |        |        |                    |   |                        |                    |                    |                      |
| 5                     | H 17 15 <sup>m</sup> 0 <sup>s</sup>  | "          | 25 20,432  | 36                        |   |        |        |        |                    |   |                        |                    |                    |                      |
| August 11 Arm West.   |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |                      |
| 1                     | ζ Aquilae                            | B          | 19 14 24,431                                       | 23                        | 19 3 58,370   | +0,137 | -0,127 | -0,248 | 0,439              | 19 0 57,703   |                        |                    | + 10               |                      |
| 2                     | H 17 8 <sup>m</sup> 0 <sup>s</sup>   | "          | 18 26,063  | 30                        |   |        |        |        |                    |   |                        |                    |                    |                      |
| 3                     | ω Aquilae                            | "          | 26 43,196  | 22                        | 16 17,128   | +0,131 | -0,132 | -0,246 | 441                | 13 16,420   |                        |                    | - 20               |                      |
| 4                     | H 46 16 <sup>m</sup> 0 <sup>s</sup>  | "          | 29 49,798  | 24                        | 19 23,728   |        |        |        |                    |   |                        |                    |                    |                      |
| 5                     | δ Aquilae                            | "          | 34 3,810   | 22                        | 23 37,738   | +0,111 | -0,150 | -0,241 | 460                | 20 37,001   |                        |                    | + 3                |                      |
| August 15 Arm Ost.    |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |                      |
| 1                     | R Lyrae                              | B          | 19 5 54,401  | 17                        | 18 55 25,363  | +0,289 | -0,039 | +0,294 | 1,661              | 18 52 24,204  |                        |                    | -*42               |                      |
| 2                     | γ Lyrae                              | "          | 8 50,137   | 13                        | 58 21,098   | +0,236 | -0,078 | +0,251 | 694                | 55 19,777   |                        |                    | -*36               |                      |
| 3                     | ζ Aquilae                            | "          | 14 28,178  | 23                        | 19 3 59,135   | +0,170 | -0,125 | +0,218 | 733                | 19 0 57,675   |                        |                    | + 10               |                      |
| 4                     | ω Aquilae                            | "          | 26 46,965  | 22                        | 16 17,915   | +0,163 | -0,131 | +0,216 | 731                | 13 16,396   |                        |                    | -*36               |                      |
| 5                     | H 46 21 <sup>m</sup> 0 <sup>s</sup>  | "          | 34 56,308  | 26                        | 24 27,253   |        |        |        |                    |   |                        |                    |                    |                      |
| 6                     | H 17 29 <sup>m</sup> 0 <sup>s</sup>  | "          | 39 29,057  | 32                        |   |        |        |        |                    |   |                        |                    |                    |                      |
| August 20 Arm West.   |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |                      |
| 1                     | γ Cygni                              | P          | 20 32 23,372                                       | 23                        | 20 21 49,447  | +0,289 | -0,024 | -0,300 | 3,199              | 20 18 46,222  |                        |                    | + 9                |                      |
| 2                     | H 46 22 <sup>m</sup> 30 <sup>s</sup> | "          | 36 33,576  | 24                        | 25 59,648   |        |        |        |                    |   |                        |                    |                    |                      |
| 3                     | ε Delphini                           | "          | 42 12,822  | 23                        | 31 38,890   | +0,174 | -0,057 | -0,234 | 266                | 28 35,505   |                        |                    | - 2                |                      |
| 4                     | β Delphini                           | "          | 46 38,127  | 23                        | 36 4,192  | +0,185 | -0,054 | -0,237 | 246                | 33 0,840  |                        |                    | 0                  |                      |
| 5                     | α Delphini                           | "          | 48 46,087  | 12                        | 38 12,151   | +0,189 | -0,053 | -0,239 | 249                | 35 8,798  |                        |                    | - 1                |                      |
| 6                     | H 17 41 <sup>m</sup> 55 <sup>s</sup> | "          | 52 28,938  | 25                        |   |        |        |        |                    |   |                        |                    |                    |                      |
| August 25 Arm Ost.    |                                      |            |  |                           |   |        |        |        |                    |   |                        |                    |                    |                      |
| 1                     | 110 Herculis                         | B          | 18 55 12,454                                       | 22                        | 18 44 34,332  | +0,201 | -0,089 | +0,223 | 4,976              | 18 41 29,686  |                        |                    | - 7                |                      |
| 2                     | β Lyrae                              | "          | 19 0 13,247  | 23                        | 49 35,122   | +0,250 | -0,062 | +0,252 | 943                | 46 30,623   |                        |                    | + 4                |                      |
| 3                     | R Lyrae                              | "          | 6 6,485  | 18                        | 55 28,356   | +0,303 | -0,032 | +0,292 | 896                | 52 24,016   |                        |                    | - 7                |                      |
| 4                     | ζ Aquilae                            | "          | 14 40,333  | 21                        | 19 4 2,219  | +0,178 | -0,102 | +0,217 | 952                | 19 0 57,570   |                        |                    | + 10               |                      |

Aug. 5. Wolken; (1) Gr. 5,5; (2) Gr. 6,5; (3) Gr. 4,5. Aug. 15. Wolken; (1) mittl. Gr. 7,0; (2) mittl. Gr. 6,5; (4) mittl. Gr. 6,5. Aug. 25. Luft 4.

| Nr.                     | Stern                                | Beobachter | Durchgangs-zeit Mittelf. nach Knoblich             | Anzahl Fäden oder Signale | Durchgangs-zeit Mittelf. nach Hohwü 17             | i I.                 | k K.                 | c C.                 | Corr. von Hohwü 17 | Scheinbare Rect-ascension                          | Red. auf Jahres-anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension 1900,0 |
|-------------------------|--------------------------------------|------------|--|---------------------------|--|----------------------|----------------------|----------------------|--------------------|--|------------------------|---------------------|--------------------|----------------------|
| 1902 August 25 (Forts.) |                                      |            |  |                           |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 5                       | H 46 4 <sup>m</sup> 0 <sup>s</sup>   | B          | 19 <sup>h</sup> 18 <sup>m</sup> 9 <sup>s</sup> 419 | 28                        | 19 <sup>h</sup> 7 <sup>m</sup> 31 <sup>s</sup> 283 |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 6                       | H 17 12 <sup>m</sup> 0 <sup>s</sup>  | "          | 22 38,139  | 32                        |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| September 3 Arm Ost.    |                                      |            |  |                           |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 1                       | $\eta$ Ophiuchi                      | P          | 17 18 42,648                                       | 23                        | 17 7 56,117  | + 0 <sup>s</sup> 106 | - 0 <sup>s</sup> 119 | + 0 <sup>s</sup> 207 | 7 <sup>s</sup> 841 | 17 <sup>h</sup> 4 <sup>m</sup> 48 <sup>s</sup> 475 |                        |                     | + 5                |                      |
| 2                       | $\alpha$ Herculis                    | "          | 24 7,138   | 18                        | 13 20,604  | + 0,221              | - 0,078              | + 0,206              | 787                | 10 13,170  |                        |                     | + 4                |                      |
| 3                       | $\pi$ Herculis                       | "          | 25 33,675  | 13                        | 14 47,140  | + 0,326              | - 0,041              | + 0,249              | 755                | 11 39,923  |                        |                     | + 4                |                      |
| 4                       | H 46 14 <sup>m</sup> 0 <sup>s</sup>  | "          | 28 20,093  | 25                        | 17 33,556  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 5                       | H 17 20 <sup>m</sup> 40 <sup>s</sup> | "          | 31 26,539  | 25                        |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| September 4 Arm Ost.    |                                      |            |  |                           |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 1                       | Polaris U.C.m.P.                     | P          | 13 39 11,26  | 30                        | 13 28 23,91  | - 9,34               | - 3,48               | - 9,15               | 8,19               | 13 24 53,75  |                        |                     |                    |                      |
| 2                       | " " o.P.                             | "          | 39 11,36   | 26                        | 28 24,01   | "                    | "                    | "                    | 19                 | 24 53,85   |                        |                     |                    |                      |
| 3                       | H 17 46 <sup>m</sup> 0 <sup>s</sup>  | "          | 56 47,363  | 13                        |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| September 8 Arm Ost.    |                                      |            |  |                           |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 1                       | $\epsilon$ Andromedae                | P          | 23 47 24,379                                       | 20                        | 23 36 33,022                                       | + 0,296              | - 0,051              | + 0,288              | 9,239              | 23 33 24,313                                       |                        |                     | - 3                |                      |
| 2                       | $\alpha^2$ Aquarii                   | "          | 51 42,775  | 23                        | 40 51,415  | + 0,088              | - 0,217              | + 0,220              | 281                | 37 42,218  |                        |                     | - 7                |                      |
| 3                       | H 17 45 <sup>m</sup> 0 <sup>s</sup>  | "          | 55 51,362  | 25                        |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 4                       | $\gamma$ Pegasi                      | "          | 0 1 34,461   | 23                        | 50 43,096  | + 0,194              | - 0,133              | + 0,224              | 253                | 47 34,120  |                        |                     | - 8                |                      |
| 5                       | H 46 49 <sup>m</sup> 55 <sup>s</sup> | "          | 4 21,171   | 25                        | 53 29,805  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 6                       | Polaris O.C.o.P.                     | "          | 1 38 32,94   | 21                        | 1 27 41,52   | + 8,36               | + 6,33               | + 10,00              | 9,43               | 1 24 56,78   |                        |                     |                    |                      |
| 7                       | " " m.P.                             | "          | 38 32,03   | 26                        | 27 40,61   | "                    | "                    | "                    | 43                 | 24 55,87   |                        |                     |                    |                      |
| September 14 Arm Ost.   |                                      |            |  |                           |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 1                       | $\gamma^2$ Pegasi                    | P          | 23 43 16,185                                       | 23                        | 23 32 20,540                                       | + 0,248              | - 0,120              | + 0,258              | 11,225             | 23 29 9,693  |                        |                     | - 8                |                      |
| 2                       | $\epsilon$ Andromedae                | "          | 47 30,638  | 23                        | 36 34,991  | + 0,369              | - 0,063              | + 0,302              | 247                | 33 24,349  |                        |                     | - 3                |                      |
| 3                       | $\alpha^2$ Aquarii                   | "          | 51 49,218  | 23                        | 40 53,569  | + 0,110              | - 0,269              | + 0,230              | 373                | 37 42,260  |                        |                     | - 7                |                      |
| 4                       | H 46 39 <sup>m</sup> 50 <sup>s</sup> | "          | 54 22,090  | 25                        | 43 26,440  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 5                       | H 17 47 <sup>m</sup> 20 <sup>s</sup> | "          | 58 15,652  | 25                        |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| September 20 Arm Ost.   |                                      |            |  |                           |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 1                       | $\alpha$ Equulei                     | P          | 21 25 11,096                                       | 23                        | 21 14 11,852                                       | + 0,219              | - 0,252              | + 0,221              | 12,918             | 21 10 59,120                                       |                        |                     | - 2                |                      |
| 2                       | $\gamma$ Pegasi                      | "          | 31 48,663  | 19                        | 20 49,416  | + 0,286              | - 0,196              | + 0,233              | 962                | 17 36,775  |                        |                     | - 2                |                      |
| 3                       | H 46 20 <sup>m</sup> 30 <sup>s</sup> | "          | 35 7,518   | 25                        | 24 8,269   |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 4                       | $\beta$ Aquarii                      | "          | 40 39,809  | 23                        | 29 40,558  | + 0,170              | - 0,292              | + 0,221              | 923                | 26 27,737  |                        |                     | + 3                |                      |
| 5                       | H 17 33 <sup>m</sup> 10 <sup>s</sup> | "          | 44 9,253   | 24                        |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| September 22 Arm Ost.   |                                      |            |  |                           |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 1                       | H 17 19 <sup>m</sup> 40 <sup>s</sup> | P          | 13 30 40,314                                       | 13                        |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 2                       | Polaris U.C.m.P.                     | "          | 39 48,82   | 30                        | 13 28 48,50  | - 12,10              | - 9,79               | - 9,77               | 13,29              | 13 25 3,55   |                        |                     |                    |                      |
| 3                       | " " o.P.                             | "          | 39 48,88   | 24                        | 28 48,56   | "                    | "                    | "                    | 29                 | 25 3,61  |                        |                     |                    |                      |
| September 26 Arm Ost.   |                                      |            |  |                           |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 1                       | $\beta$ Delphini                     | P          | 20 47 17,919                                       | 23                        | 20 36 14,320                                       | + 0,246              | - 0,213              | + 0,224              | 14,085             | 20 33 0,492  |                        |                     | 0                  |                      |
| 2                       | $\alpha$ Delphini                    | "          | 49 25,889  | 15                        | 38 22,289  | + 0,252              | - 0,208              | + 0,225              | 107                | 35 8,450   |                        |                     | - 1                |                      |
| 3                       | $\alpha$ Cygni                       | "          | 52 25,624  | 15                        | 41 22,023  | + 0,423              | - 0,060              | + 0,306              | 081                | 38 8,625   |                        |                     | + 14               |                      |
| 4                       | $\epsilon$ Aquarii                   | "          | 56 43,468  | 23                        | 45 39,865  | + 0,143              | - 0,300              | + 0,220              | 087                | 42 25,840  |                        |                     | - 1                |                      |
| 5                       | H 46 45 <sup>m</sup> 0 <sup>s</sup>  | "          | 59 43,691  | 25                        | 48 40,086  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 6                       | H 17 52 <sup>m</sup> 10 <sup>s</sup> | "          | 21 3 13,606  | 25                        |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| September 30 Arm Ost.   |                                      |            |  |                           |  |                      |                      |                      |                    |  |                        |                     |                    |                      |
| 1                       | Polaris U.C.o.P.                     | P          | 13 39 59,66  | 28                        | 13 28 53,52  | - 12,40              | - 10,00              | - 10,25              | 14,70              | 13 25 6,17   |                        |                     |                    |                      |

Sept. 4. (1) und (2) Luft 3-4. Sept. 8. Luft 3; Feldbeleuchtung schwach. Sept. 22. (2) und (3) Luft 3. Sept. 30. (1) und (2) Luft 2-3.

| Nr.                        | Stern                                | Beobachter | Durchgangszeit<br>Mittelf. nach<br>Knoblich       | Anzahl Fäden oder<br>Signale | Durchgangszeit<br>Mittelf. nach<br>Hohwü 17        | i I.                | k K.                | c C.                | Corr.<br>von<br>Hohwü<br>17           | Scheinbare<br>Rect-<br>ascension                  | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension<br>1900,0 |
|----------------------------|--------------------------------------|------------|---|------------------------------|--|---------------------|---------------------|---------------------|---------------------------------------|---|----------------------------------|---------------------|--------------------|-------------------------|
| 1902 September 30 (Forts.) |                                      |            |   |                              |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 2                          | Polaris U.C.m.P.                     | P          | 13 <sup>h</sup> 40 <sup>m</sup> 0 <sup>s</sup> 46 | 27                           | 13 <sup>h</sup> 28 <sup>m</sup> 54 <sup>s</sup> 32 | -12 <sup>s</sup> 40 | -10 <sup>s</sup> 00 | -10 <sup>s</sup> 25 | -3 <sup>m</sup><br>14 <sup>s</sup> 70 | 13 <sup>h</sup> 25 <sup>m</sup> 6 <sup>s</sup> 97 |                                  |                     |                    |                         |
| 3                          | H 17 36 <sup>m</sup> 50 <sup>s</sup> | "          | 47 56,142   | 12                           |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| October 3 Arm Ost.         |                                      |            |   |                              |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 1                          | H 46 54 <sup>m</sup> 0 <sup>s</sup>  | B          | 22 8 50,213                                       | 24                           | 21 57 42,298                                       |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 2                          | Komet 1902 III                       | "          | 23 2,77   | 19                           | 22 11 54,85  | + 0,569             | + 0,037             | + 0,425             | 15,78                                 | 22 8 40,10  |                                  |                     |                    |                         |
| 3                          | $\eta$ Aquarii                       | "          | 44 46,654   | 22                           | 33 38,727  | + 0,195             | - 0,289             | + 0,241             | 846                                   | 30 23,021   |                                  |                     | - 7                |                         |
| 4                          | $\iota$ Lacertae                     | "          | 49 18,999   | 23                           | 38 11,070  | + 0,401             | - 0,110             | + 0,308             | 747                                   | 34 55,905   |                                  |                     | - 17               |                         |
| 5                          | $\eta$ Pegasi                        | "          | 52 51,710   | 21                           | 41 43,780  | + 0,343             | - 0,160             | + 0,277             | 810                                   | 38 28,442   |                                  |                     | + 12               |                         |
| 6                          | $\lambda$ Pegasi                     | "          | 56 15,863   | 22                           | 45 7,932   | + 0,306             | - 0,192             | + 0,262             | 765                                   | 41 52,539   |                                  |                     | - 4                |                         |
| 7                          | H 46 49 <sup>m</sup> 0 <sup>s</sup>  | "          | 23 3 50,241                                       | 27                           | 52 42,306  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 8                          | H 17 57 <sup>m</sup> 0 <sup>s</sup>  | "          | 8 7,936   | 32                           |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| October 8 Arm Ost.         |                                      |            |   |                              |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 1                          | $\beta$ Aquilae                      | P          | 20 4 59,745                                       | 23                           | 19 53 49,314                                       | + 0,239             | - 0,259             | + 0,227             | 16,630                                | 19 50 32,390                                      |                                  |                     | - 1                |                         |
| 2                          | $\gamma$ Sagittae                    | "          | 8 53,443  | 23                           | 57 43,010  | + 0,304             | - 0,207             | + 0,239             | 650                                   | 54 26,697   |                                  |                     | + 1                |                         |
| 3                          | H 46 56 <sup>m</sup> 50 <sup>s</sup> | "          | 11 44,424   | 25                           | 20 0 33,990  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 4                          | $\delta$ Aquilae                     | "          | 20 44,991   | 23                           | 9 34,554   | + 0,205             | - 0,287             | + 0,226             | 688                                   | 20 6 18,012                                       |                                  |                     | + 2                |                         |
| 5                          | H 17 13 <sup>m</sup> 20 <sup>s</sup> | "          | 24 30,439   | 25                           |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 6                          | Polaris O.C.m.P.                     | "          | I 39 2,19   | 28                           | I 27 51,62   | +13,09              | + 9,87              | +10,92              | 16,83                                 | I 25 8,67   |                                  |                     |                    |                         |
| 7                          | " " O.P.                             | "          | 39 3,13   | 28                           | 27 52,56   | "                   | "                   | "                   | 83                                    | 25 9,61   |                                  |                     |                    |                         |
| 8                          | H 17 37 <sup>m</sup> 30 <sup>s</sup> | "          | 48 40,600   | 13                           |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| October 16 Arm Ost.        |                                      |            |   |                              |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 1                          | H 46 29 <sup>m</sup> 30 <sup>s</sup> | P          | I 44 33,194                                       | 25                           | I 33 16,977  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 2                          | $\nu$ Piscium                        | "          | 50 59,191   | 13                           | 39 42,972  | + 0,187             | - 0,198             | + 0,223             | 19,205                                | I 36 23,974                                       |                                  |                     | - 5                |                         |
| 3                          | $\rho$ Piscium                       | "          | 54 52,470   | 23                           | 43 36,249  | + 0,201             | - 0,187             | + 0,224             | 218                                   | 40 17,265   |                                  |                     | - 4                |                         |
| 4                          | $\alpha$ Trianguli                   | "          | 2 2 9,352   | 8                            | 50 53,128  | + 0,288             | - 0,121             | + 0,254             | 168                                   | 47 34,383   |                                  |                     | + 2                |                         |
| 5                          | H 17 54 <sup>m</sup> 30 <sup>s</sup> | "          | 5 46,226  | 25                           |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| October 21 Arm Ost.        |                                      |            |   |                              |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 1                          | $\nu$ Piscium                        | B          | 23 49 37,837                                      | 22                           | 23 38 19,181                                       | + 0,205             | - 0,213             | + 0,223             | 20,930                                | 23 34 58,459                                      |                                  |                     | - 7                |                         |
| 2                          | H 17 43 <sup>m</sup> 0 <sup>s</sup>  | "          | 54 18,658   | 33                           |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 3                          | $\rho$ Pegasi                        | "          | 0 2 13,447  | 22                           | 50 54,786  | + 0,263             | - 0,170             | + 0,234             | 906                                   | 47 34,188   |                                  |                     | - 19               |                         |
| 4                          | H 46 52 <sup>m</sup> 0 <sup>s</sup>  | "          | 7 7,362   | 26                           | 55 48,699  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 5                          | $\omega$ Piscium                     | "          | 9 0,055   | 19                           | 57 41,391  | + 0,209             | - 0,209             | + 0,223             | 930                                   | 54 20,678   |                                  |                     | - 6                |                         |
| October 28 Arm Ost.        |                                      |            |   |                              |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 1                          | $\delta$ Aquarii                     | P          | 22 26 27,588                                      | 23                           | 22 15 4,763  | + 0,163             | - 0,275             | + 0,236             | 21,649                                | 22 11 43,234                                      |                                  |                     | - 4                |                         |
| 2                          | $\gamma$ Aquarii                     | "          | 31 23,467   | 23                           | 20 0,641   | + 0,193             | - 0,254             | + 0,234             | 665                                   | 16 39,147   |                                  |                     | - 2                |                         |
| 3                          | H 17 24 <sup>m</sup> 0 <sup>s</sup>  | "          | 35 22,828   | 25                           |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 4                          | $\tau$ Pegasi                        | "          | 23 30 35,128                                      | 19                           | 23 19 12,279                                       | + 0,312             | - 0,165             | + 0,254             | 613                                   | 23 15 51,062                                      |                                  |                     | - 5                |                         |
| 5                          | H 46 18 <sup>m</sup> 10 <sup>s</sup> | "          | 33 23,875   | 25                           | 22 1,025   |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| November 4 Arm Ost.        |                                      |            |   |                              |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 1                          | $\alpha$ Piscium                     | B          | 23 36 47,600                                      | 20                           | 23 25 21,123                                       | + 0,197             | - 0,281             | + 0,233             | 23,031                                | 23 21 58,212                                      |                                  |                     | - <sup>+</sup> 29  |                         |
| 2                          | $\gamma$ Pegasi                      | "          | 39 4,948  | 20                           | 27 38,470  | + 0,248             | - 0,236             | + 0,238             | 037                                   | 24 15,661   |                                  |                     | - <sup>+</sup> 22  |                         |
| 3                          | $\nu$ Piscium                        | "          | 49 47,710   | 23                           | 38 21,229  | + 0,216             | - 0,264             | + 0,234             | 049                                   | 34 58,359   |                                  |                     | - 7                |                         |
| 4                          | H 46 38 <sup>m</sup> 0 <sup>s</sup>  | "          | 53 20,009   | 28                           | 41 53,527  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |
| 5                          | H 17 47 <sup>m</sup> 0 <sup>s</sup>  | "          | 58 26,484   | 35                           |  |                     |                     |                     |                                       |   |                                  |                     |                    |                         |

Oct. 3. Luft 4-5; (2) die Rectascension des Kometen gilt für die Durchgangszeit durch Mittelfaden, also für 22<sup>h</sup>3<sup>m</sup>39<sup>s</sup>.1 Sternzeit Leiden. Oct. 8. (6) und (7) Luft 3. Oct. 21. Zwischen Wolken. Nov. 4. Luft 4, dunstig; (1) Gr. 6,0; (2) Gr. 5,5.

| Nr.                       | Stern                                | Beobachter | Durchgangs-zeit<br>Mittelf. nach<br>Knoblich | Anzahl Fäden oder<br>Signale | Durchgangs-zeit<br>Mittelf. nach<br>Hohwü 17 | i I.    | k K.    | c C.    | Corr.<br>von<br>Hohwü<br>17 | Scheinbare<br>Rect-<br>ascension       | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Procession | Helligk. Gleichung | Rectascension<br>1900,0 |
|---------------------------|--------------------------------------|------------|--|------------------------------|--|---------|---------|---------|-----------------------------|--|----------------------------------|--------------------|--------------------|-------------------------|
| 1902 November 15 Arm Ost. |                                      |            |  |                              |  |         |         |         |                             |  |                                  |                    |                    |                         |
| 1                         | H 46 21 <sup>m</sup> 0 <sup>s</sup>  | P          | 1h 36 <sup>m</sup> 29 <sup>s</sup> 924       | 25                           | 1h 24 <sup>m</sup> 57 <sup>s</sup> 821       |         |         |         | -3 <sup>m</sup>             |  |                                  |                    |                    |                         |
| 2                         | η Piscium                            | "          | 41 15,813                                    | 23                           | 29 43,709                                    | + 0,287 | - 0,249 | + 0,252 | 25,319                      | 1h 26 <sup>m</sup> 18 <sup>s</sup> 680 |                                  |                    | 0                  |                         |
| 3                         | H 17 33 <sup>m</sup> 40 <sup>s</sup> | "          | 45 12,105                                    | 25                           |  |         |         |         |                             |  |                                  |                    |                    |                         |
| 4                         | ν Piscium                            | "          | 51 21,253                                    | 23                           | 39 49,147                                    | + 0,238 | - 0,293 | + 0,245 | 278                         | 36 24,054                              |                                  |                    | - 5                |                         |
| 5                         | ρ Piscium                            | "          | 55 14,545                                    | 23                           | 43 42,437                                    | + 0,256 | - 0,277 | + 0,247 | 295                         | 40 17,364                              |                                  |                    | - 4                |                         |
| November 19 Arm Ost.      |                                      |            |  |                              |  |         |         |         |                             |  |                                  |                    |                    |                         |
| 1                         | α Andromedae                         | P          | 0 18 20,744                                  | 23                           | 0 6 47,808                                   | + 0,447 | - 0,235 | + 0,300 | 24,931                      | 0 3 23,399                             |                                  |                    | + 10               |                         |
| 2                         | γ Pegasi                             | "          | 23 12,845                                    | 23                           | 11 39,908                                    | + 0,351 | - 0,325 | + 0,273 | 961                         | 8 15,250                               |                                  |                    | + 4                |                         |
| 3                         | ε Ceti                               | "          | 29 27,680                                    | 23                           | 17 54,742                                    | + 0,207 | - 0,459 | + 0,267 | 978                         | 14 29,779                              |                                  |                    | 0                  |                         |
| 4                         | H 46 17 <sup>m</sup> 0 <sup>s</sup>  | "          | 32 32,343                                    | 24                           | 20 59,404                                    |         |         |         |                             |  |                                  |                    |                    |                         |
| 5                         | H 17 24 <sup>m</sup> 40 <sup>s</sup> | "          | 36 12,949                                    | 24                           |  |         |         |         |                             |  |                                  |                    |                    |                         |
| 6                         | Polaris O.C.o.P.                     | "          | 1 39 17,59                                   | 25                           | 1 27 44,64                                   | + 16,33 | + 14,58 | + 12,52 | 25,09                       | 1 25 2,98                              |                                  |                    |                    |                         |
| 7                         | " " m.P.                             | "          | 39 18,34                                     | 28                           | 27 45,39                                     | "       | "       | "       | 09                          | 25 3,73                                |                                  |                    |                    |                         |
| 8                         | H 17 37 <sup>m</sup> 10 <sup>s</sup> | "          | 48 42,946                                    | 13                           |  |         |         |         |                             |  |                                  |                    |                    |                         |
| November 22 Arm Ost.      |                                      |            |  |                              |  |         |         |         |                             |  |                                  |                    |                    |                         |
| 1                         | ε Ceti                               | B          | 0 29 28,807                                  | 21                           | 0 17 54,571                                  | + 0,207 | - 0,414 | + 0,266 | 24,881                      | 0 14 29,749                            |                                  |                    | 0                  |                         |
| 2                         | H 46 18 <sup>m</sup> 0 <sup>s</sup>  | "          | 33 34,937                                    | 28                           | 22 0,700                                     |         |         |         |                             |  |                                  |                    |                    |                         |
| 3                         | ι Ceti                               | "          | 40 5,009                                     | 19                           | 28 30,769                                    | + 0,236 | - 0,390 | + 0,264 | 850                         | 25 5,993                               |                                  |                    | - 36               |                         |
| 4                         | π Andromedae                         | "          | 46 41,576                                    | 23                           | 35 7,333                                     | + 0,484 | - 0,181 | + 0,314 | 753                         | 31 43,189                              |                                  |                    | - 8                |                         |
| 5                         | H 17 41 <sup>m</sup> 0 <sup>s</sup>  | "          | 52 34,246                                    | 33                           |  |         |         |         |                             |  |                                  |                    |                    |                         |
| November 28 Arm Ost.      |                                      |            |  |                              |  |         |         |         |                             |  |                                  |                    |                    |                         |
| 1                         | β Arietis                            | B          | 2 4 23,185                                   | 21                           | 1 52 43,838                                  | + 0,333 | - 0,267 | + 0,254 | 26,068                      | 1 49 18,105                            |                                  |                    | + 15               |                         |
| 2                         | H 46 54 <sup>m</sup> 0 <sup>s</sup>  | "          | 9 43,072                                     | 28                           | 58 3,722                                     |         |         |         |                             |  |                                  |                    |                    |                         |
| 3                         | γ Andromedae                         | "          | 13 3,097                                     | 23                           | 2 1 23,745                                   | + 0,484 | - 0,114 | + 0,319 | 017                         | 57 58,446                              |                                  |                    | + 29               |                         |
| 4                         | H 17 11 <sup>m</sup> 0 <sup>s</sup>  | "          | 22 39,357                                    | 30                           |  |         |         |         |                             |  |                                  |                    |                    |                         |
| December 4 Arm Ost.       |                                      |            |  |                              |  |         |         |         |                             |  |                                  |                    |                    |                         |
| 1                         | ν Persei                             | B          | 3 53 47,917                                  | 20                           | 3 42 4,460                                   | + 0,467 | - 0,100 | + 0,355 | 26,914                      | 3 38 38,267                            |                                  |                    | - 1                |                         |
| 2                         | η Tauri                              | "          | 56 54,693                                    | 19                           | 45 11,235                                    | + 0,337 | - 0,224 | + 0,287 | 973                         | 41 44,674                              |                                  |                    | + 12               |                         |
| 3                         | ξ Persei                             | "          | 4 3 13,692                                   | 23                           | 51 30,230                                    | + 0,385 | - 0,178 | + 0,308 | 943                         | 48 3,814                               |                                  |                    | + 12               |                         |
| 4                         | H 46 52 <sup>m</sup> 0 <sup>s</sup>  | "          | 7 49,879                                     | 29                           | 56 6,415                                     |         |         |         |                             |  |                                  |                    |                    |                         |
| 5                         | H 17 1 <sup>m</sup> 0 <sup>s</sup>   | "          | 12 43,467                                    | 36                           |  |         |         |         |                             |  |                                  |                    |                    |                         |
| December 9 Arm Ost.       |                                      |            |  |                              |  |         |         |         |                             |  |                                  |                    |                    |                         |
| 1                         | ζ Persei                             | P          | 4 3 16,109                                   | 23                           | 3 51 28,932                                  | + 0,426 | - 0,209 | + 0,310 | 25,625                      | 3 48 3,839                             |                                  |                    | + 5                |                         |
| 2                         | ε Persei                             | "          | 6 34,792                                     | 23                           | 54 47,613                                    | + 0,492 | - 0,142 | + 0,343 | 653                         | 51 22,658                              |                                  |                    | + 5                |                         |
| 3                         | ν Tauri                              | "          | 13 13,850                                    | 23                           | 4 1 26,667                                   | + 0,269 | - 0,368 | + 0,265 | 638                         | 58 1,193                               |                                  |                    | - 2                |                         |
| 4                         | H 46 0 <sup>m</sup> 0 <sup>s</sup>   | "          | 15 55,666                                    | 25                           | 4 8,482                                      |         |         |         |                             |  |                                  |                    |                    |                         |
| 5                         | H 17 7 <sup>m</sup> 40 <sup>s</sup>  | "          | 19 27,186                                    | 25                           |  |         |         |         |                             |  |                                  |                    |                    |                         |
| December 18 Arm Ost.      |                                      |            |  |                              |  |         |         |         |                             |  |                                  |                    |                    |                         |
| 1                         | δ Tauri                              | B          | 4 32 42,714                                  | 14                           | 4 20 46,990                                  | + 0,209 | - 0,269 | + 0,246 | 25,125                      | 4 17 22,048                            |                                  |                    | - 3                |                         |
| 2                         | ε Tauri                              | "          | 38 19,438                                    | 23                           | 26 23,711                                    | + 0,215 | - 0,260 | + 0,249 | 122                         | 22 58,794                              |                                  |                    | + 1                |                         |
| 3                         | H 46 26 <sup>m</sup> 0 <sup>s</sup>  | "          | 42 8,414                                     | 24                           | 30 12,685                                    |         |         |         |                             |  |                                  |                    |                    |                         |
| 4                         | ν Eridani                            | "          | 46 50,713                                    | 23                           | 34 54,981                                    | + 0,137 | - 0,371 | + 0,235 | 171                         | 31 29,804                              |                                  |                    | - 7                |                         |
| 5                         | H 17 42 <sup>m</sup> 0 <sup>s</sup>  | "          | 53 55,736                                    | 32                           |  |         |         |         |                             |  |                                  |                    |                    |                         |

Nov. 19. (6) und (7) Luft 3. Nov. 28. Alles sehr feucht. Dec. 4. Luft 4. Dec. 18. Zwischen Wolken.

| Nr.  | Stern                               | Beobachter | Durchgangs-<br>zeit<br>Mittelf. nach<br>Knoblich  | Anzahl Fäden oder<br>Signale | Durchgangs-<br>zeit<br>Mittelf. nach<br>Hohwü 17  | i I.                | k K.                | c C.                 | Corr.<br>von<br>Hohwü<br>17            | Scheinbare<br>Rect-<br>ascension                   | Red.<br>auf<br>Jahres-<br>anfang | Red. f. Praecession | Helligk. Gleichung | Rectascension<br>1900,0 |
|--|-------------------------------------|------------|---|------------------------------|---|---------------------|---------------------|----------------------|--|--|----------------------------------|---------------------|--------------------|-------------------------|
| 1902 December 29 Arm Ost.                                |                                     |            |   |                              |   |                     |                     |                      |  |  |                                  |                     |                    |                         |
| 1  | $\rho$ Tauri                        | B          | 3 <sup>h</sup> 35 <sup>m</sup> 5 <sup>s</sup> 235 | 21                           | 3 <sup>h</sup> 23 <sup>m</sup> 2 <sup>s</sup> 307 | +0 <sup>s</sup> 034 | -0 <sup>s</sup> 253 | + 0 <sup>s</sup> 248 | -3 <sup>m</sup><br>25 <sup>s</sup> 404 | 3 <sup>h</sup> 19 <sup>m</sup> 36 <sup>s</sup> 896 |                                  |                     | - * 36             |                         |
| 2  | $f$ Tauri                           | „          | 41 0,742  | 22                           | 28 57,812   | +0,036              | -0,237              | + 0,251              | 412                                    | 25 32,421  |                                  |                     | - * 29             |                         |
| 3  | H 46 29 <sup>m</sup> 0 <sup>s</sup> | „          | 45 19,475   | 28                           | 33 16,543   |                     |                     |                      |  |  |                                  |                     |                    |                         |
| 4  | $\nu$ Persci                        | „          | 54 6,292  | 23                           | 42 3,356  | +0,061              | -0,085              | + 0,331              | 415                                    | 38 38,247  |                                  |                     | - 1                |                         |
| 5  | H 17 47 <sup>m</sup> 0 <sup>s</sup> | „          | 59 2,938  | 33                           |   |                     |                     |                      |  |  |                                  |                     |                    |                         |
| Dec. 29. Wolken; (1) mittl. Gr. 6,5; (2) mittl. Gr. 6,0. |                                     |            |   |                              |   |                     |                     |                      |  |  |                                  |                     |                    |                         |



# BEOBACHTUNGEN

AM

## MERIDIANKREISE

1899—1902.

II

## DECLINATIONSBEOBACHTUNGEN.

## BEMERKUNGEN.

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Alle Beobachtungen eines Tages wurden fortlaufend numerirt; wo also ein Stern nur in Rectascension beobachtet wurde, fehlt hier der betreffende Nummer. Die Nadireinstellungen eines Tages sind mit römischen Ziffern bezeichnet.

Ein \* in der Kolumne „Zeit H. 17“ bedeutet, dass die Pointirung ausserhalb der Mitte stattfand; in diesem Falle wird der Stundenwinkel der Einstellung in den Fussnoten angegeben.

Ein \* neben der „Summe der Correctionen“ zeigt an, dass nicht, wie gewöhnlich, der nächstliegende Strich der Kreistheilung, sondern der weiter entfernte benutzt wurde, was ebenso näher in den Fussnoten angegeben wird.

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| Nr.                            | Stern | Beobachter   | Mittel der Mikroskope | Horizontalfäden    | Zeit H. 17 | Summe der Corr. | Nadir         | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Pracession | Zenithdistanz 1900,0 |
|--------------------------------|-------|--------------|-----------------------|--------------------|------------|-----------------|---------------|--------------------------|----------------|---------------|-----------|------------|-----------------------|--------------------|----------------------|
| 1899 December 8 Arm Ost, Kr. B |       |              |                       |                    |            |                 |               |                          |                |               |           |            |                       |                    |                      |
| I Nadir                        | B     | o° 7' 33"90  | m                     | oh 20 <sup>m</sup> | — 1"01     | 32"89           | o° 7'         |                          |                |               |           |            |                       |                    |                      |
| 2 Holmes 4                     | "     | 164 49 3,25  | b                     | o 40               | — 7,06     | 32,95           | 15° 18' 36"76 | — 3,11                   | — 1,0          | 764,8         | o' 16"83  | +37"44     | —19"75                | 15° 19' 11"28      |                      |
| 3 " 22                         | "     | 165 38 27,65 | "                     | o 44               | — 6,68     | 32,97           | 14 29 12,00   | — 3,11                   | — 1,0          | 764,8         | o 15,89   | +37,42     | —19,68                | 14 29 45,63        |                      |
| 4 " 38                         | "     | 165 59 13,70 | "                     | o 48               | — 7,21     | 32,97           | 14 8 26,48    | — 3,11                   | — 1,0          | 764,8         | o 15,49   | +37,34     | —19,63                | 14 8 59,68         |                      |
| 5 " 60                         | "     | 161 42 8,55  | "                     | 1 18               | — 7,37     | 33,06           | 18 25 31,88   | — 3,20                   | — 1,4          | 764,8         | o 20,49   | +34,42     | —18,90                | 18 26 7,89         |                      |
| 6 " 64                         | "     | 161 38 24,10 | "                     | 1 26               | — 6,95     | 33,09           | 18 29 15,94   | — 3,23                   | — 1,4          | 764,7         | o 20,56   | +33,87     | —18,69                | 18 29 51,68        |                      |
| 7 " 69                         | "     | 161 36 26,80 | "                     | 1 31               | — 7,82     | 33,10           | 18 31 14,12   | — 3,25                   | — 1,4          | 764,7         | o 20,60   | +33,46     | —18,51                | 18 31 49,67        |                      |
| 8 " 72                         | "     | 161 48 55,48 | "                     | 1 35               | — 6,81     | 33,12           | 18 18 44,45   | — 3,26                   | — 1,5          | 764,7         | o 20,36   | +33,17     | —18,33                | 18 19 19,65        |                      |
| II Nadir                       | "     | o 7 34,66    | m                     | 4 30               | — 1,01     | 33,65           |               |                          |                |               |           |            |                       |                    |                      |
| December 13 Arm Ost, Kr. B     |       |              |                       |                    |            |                 |               |                          |                |               |           |            |                       |                    |                      |
| 8 Holmes 4                     | B     | 164 49 2,42  | b                     | o 40               | — 7,06     | 32,44           | 15 18 37,08   | — 8,97                   | — 7,1          | 751,3         | o 16,92   | +37,58     | —19,75                | 15 19 11,83        |                      |
| 9 " 22                         | "     | 165 38 27,45 | "                     | o 44               | — 6,69     | 32,44           | 14 29 11,68   | — 9,02                   | — 7,1          | 751,3         | o 15,97   | +37,58     | —19,68                | 14 29 45,55        |                      |
| 10 " 38                        | "     | 165 59 13,10 | "                     | o 48               | — 7,21     | 32,44           | 14 8 26,55    | — 9,04                   | — 7,1          | 751,2         | o 15,57   | +37,52     | —19,63                | 14 9 0,01          |                      |
| I Nadir                        | "     | o 7 33,45    | m                     | 1 5                | — 1,01     | 32,44           |               |                          |                |               |           |            |                       |                    |                      |
| 11 Holmes 60                   | "     | 161 42 7,53  | b                     | 1 18               | — 7,37     | 32,44           | 18 25 32,28   | — 9,18                   | — 6,9          | 751,1         | o 20,60   | +34,63     | —18,90                | 18 26 8,61         |                      |
| 12 " 64                        | "     | 161 38 23,82 | "                     | 1 26               | — 6,95     | 32,44           | 18 29 15,57   | — 9,24                   | — 7,0          | 751,1         | o 20,68   | +34,09     | —18,69                | 18 29 51,65        |                      |
| 13 " 69                        | "     | 161 36 27,20 | "                     | 1 31               | — 7,82     | 32,44           | 18 31 13,06   | — 9,29                   | — 7,1          | 751,0         | o 20,72   | +33,69     | —18,51                | 18 31 48,96        |                      |
| 14 " 72                        | "     | 161 48 55,15 | "                     | 1 35               | — 6,80     | 32,44           | 18 18 44,09   | — 9,32                   | — 7,1          | 750,9         | o 20,47   | +33,42     | —18,33                | 18 19 19,65        |                      |
| 15 " 79                        | "     | 161 50 50,12 | "                     | 1 49*              | — 7,27     | 32,44           | 18 16 49,59   | — 9,44                   | — 7,3          | 750,8         | o 20,44   | +32,31     | —17,86                | 18 17 24,48        |                      |
| 16 " 84                        | "     | 161 50 6,35  | "                     | 1 54               | — 6,91     | 32,44           | 18 17 33,00   | — 9,48                   | — 7,4          | 750,7         | o 20,45   | +31,87     | —17,66                | 18 18 7,66         |                      |
| 17 " 91                        | "     | 162 9 47,75  | "                     | 2 3                | — 7,20     | 32,44           | 17 57 51,89   | — 9,57                   | — 7,5          | 750,6         | o 20,06   | +31,07     | —17,26                | 17 58 25,76        |                      |
| 18 " 95                        | "     | 162 8 8,17   | "                     | 2 9                | — 7,06     | 32,44           | 17 59 31,33   | — 9,62                   | — 7,6          | 750,6         | o 20,10   | +30,51     | —17,00                | 18 0 4,94          |                      |
| II Nadir                       | P     | o 7 34,57    | m                     | 4 30               | — 1,01     | 33,56           |               |                          |                |               |           |            |                       |                    |                      |
| 31 t Tauri                     | "     | 149 25 49,20 | b                     | 4 58*              | — 7,03     | 33,60           | 30 41 51,43   | —10,46                   | — 8,4          | 749,8         | o 36,82   | + 7,10     | — 5,43                | 30 42 29,92        |                      |
| 32 io8 Tauri                   | "     | 150 9 10,77  | "                     | 5 10               | — 6,83     | 33,62           | 29 58 29,68   | —10,48                   | — 8,4          | 749,7         | o 35,77   | + 5,36     | — 4,39                | 29 59 6,42         |                      |
| 33 u Tauri                     | "     | 149 58 32,07 | "                     | 5 14*              | — 6,12     | 33,62           | 30 9 7,67     | —10,49                   | — 8,5          | 749,7         | o 36,03   | + 4,80     | — 4,06                | 30 9 44,44         |                      |
| 34 Neptun h                    | "     | 149 3 52,22  | "                     | 5 32               | — 6,88     | 33,65           | 31 3 48,31    | —10,52                   | — 8,5          | 749,5         | o 37,35   | + 2,14     | — 2,47                | 31 4 25,33         |                      |
| 35 " l                         | "     | 149 21 5,45  | "                     | 5 38               | — 6,86     | 33,66           | 30 46 35,07   | —10,53                   | — 8,6          | 749,5         | o 36,93   | + 1,31     | — 1,98                | 30 47 11,33        |                      |
| 36 " o                         | "     | 151 20 16,07 | "                     | 5 46               | — 6,97     | 33,67           | 28 47 24,57   | —10,54                   | — 8,6          | 749,5         | o 34,08   | + 0,04     | — 1,24                | 28 47 57,45        |                      |
| 37 " q                         | "     | 148 38 57,50 | "                     | 5 53*              | — 6,89     | 33,68           | 31 28 43,07   | —10,56                   | — 8,6          | 749,5         | o 37,97   | + 0,91     | — 0,62                | 31 29 19,51        |                      |
| 38 " t                         | "     | 151 15 1,20  | "                     | 5 58*              | — 7,04     | 33,68           | 28 52 39,52   | —10,57                   | — 8,7          | 749,4         | o 34,20   | — 1,77     | — 0,17                | 28 53 11,78        |                      |
| 39 3 Geminorum                 | "     | 151 6 39,82  | "                     | 6 4*               | — 7,19     | 33,69           | 29 1 1,06     | —10,58                   | — 8,7          | 749,4         | o 34,40   | — 2,58     | + 0,32                | 29 1 33,20         |                      |
| 40 7 Geminorum                 | "     | 150 31 2,55  | "                     | 6 9                | — 7,31     | 33,70           | 29 36 38,46   | —10,58                   | — 8,7          | 749,4         | o 35,24   | — 3,30     | + 0,77                | 29 37 11,17        |                      |
| 44 z Geminorum                 | "     | 152 37 2,52  | "                     | 7 39*              | — 7,45     | 33,83           | 27 30 38,76   | —10,79                   | — 8,7          | 749,3         | o 32,32   | —16,03     | + 8,35                | 27 31 3,40         |                      |
| 45 p Geminorum                 | "     | 155 0 10,30  | "                     | 7 48               | — 7,41     | 33,84           | 25 7 30,95    | —10,80                   | — 8,7          | 749,3         | o 29,12   | —17,63     | + 9,05                | 25 7 51,49         |                      |
| 46 Mars a                      | "     | 153 38 42,72 | "                     | 7 55               | — 7,05     | 33,85           | 26 28 58,18   | —10,83                   | — 8,7          | 749,3         | o 30,93   | —18,32     | + 9,64                | 26 29 20,43        |                      |
| 47 " e                         | "     | 152 17 13,51 | "                     | 8 2                | — 7,28     | 33,86           | 27 50 27,63   | —10,84                   | — 8,7          | 749,3         | o 32,78   | —18,90     | +10,17                | 27 50 51,70        |                      |
| 48 " f                         | "     | 153 47 22,07 | "                     | 8 5                | — 7,32     | 33,86           | 26 20 19,11   | —10,84                   | — 8,7          | 749,3         | o 30,73   | —19,53     | +10,36                | 26 20 40,67        |                      |
| 50 " i                         | "     | 153 37 47,67 | "                     | 8 15*              | — 6,95     | 33,88           | 26 29 53,16   | —10,84                   | — 8,7          | 749,3         | o 30,95   | —20,72     | +11,12                | 26 30 14,51        |                      |
| 51 " u                         | "     | 151 27 36,26 | "                     | 8 22               | — 7,10     | 33,88           | 28 40 4,72    | —10,84                   | — 8,7          | 749,3         | o 33,94   | —21,02     | +11,61                | 28 40 29,25        |                      |
| 52 z Cancri                    | "     | 148 45 42,02 | "                     | 8 27               | — 7,13     | 33,89           | 31 21 59,00   | —10,84                   | — 8,7          | 749,3         | o 37,83   | —20,97     | +11,99                | 31 22 27,85        |                      |
| 53 7 Cancri                    | "     | 149 48 29,05 | "                     | 8 38               | — 6,84     | 33,91           | 30 19 11,70   | —10,84                   | — 8,7          | 749,3         | o 36,30   | —22,34     | +12,72                | 30 19 38,38        |                      |
| 54 t Cancri                    | "     | 157 6 7,87   | "                     | 8 41               | — 7,02     | 33,91           | 23 1 33,06    | —10,84                   | — 8,7          | 749,3         | o 26,38   | —24,46     | +12,93                | 23 1 47,91         |                      |
| III Nadir                      | "     | o 7 34,07    | m                     | 9 15               | — 1,01     | 33,96           |               |                          |                |               |           |            |                       |                    |                      |

Dec. 13. Luft zuerst ziemlich gut, nachher sehr schlecht; (15) schwach, Fadenbeleuchtung, t + 44°; (31) t + 10°; (33) t + 10°; (37) t + 5°; (38) t + 5°; (39) unruhig, t + 20°; (44) t + 5°; (50) t + 10°.

| Nr.                             | Stern       | Beobachter | Mittel der Mikroskope | Horizontalfaden | Zeit H. 17                     | Summe der Corr. | Nadir | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Prae-cession | Zenithdistanz 1900,0 |
|---------------------------------|-------------|------------|-----------------------|-----------------|--------------------------------|-----------------|-------|--------------------------|----------------|---------------|-----------|------------|-----------------------|----------------------|----------------------|
| 1899 December 19 Arm Ost, Kr. B |             |            |                       |                 |                                |                 |       |                          |                |               |           |            |                       |                      |                      |
| I                               | Nadir       | P          | o 7' 34"23            | m               | 4 <sup>h</sup> 25 <sup>m</sup> | - 1"01          | 33"22 |                          |                |               |           |            |                       |                      |                      |
| 2                               | t Tauri     | "          | 149 25 50,02          | b               | 4 58*                          | - 7,45          | 33,44 | 30° 41' 50"87            | - 5,91         | - 4,4         | 766,5     | 0' 36"98   | + 7"10                | - 5"43               | 30° 42' 29"52        |
| 3                               | 108 Tauri   | "          | 150 9 11,12           | "               | 5 10*                          | - 6,81          | 33,52 | 29 58 29,21              | - 5,96         | - 4,5         | 766,5     | 0 35,93    | + 5,35                | - 4,39               | 29 59 6,10           |
| 4                               | u Tauri     | "          | 149 58 32,35          | "               | 5 14*                          | - 6,13          | 33,54 | 30 9 7,32                | - 5,98         | - 4,5         | 766,5     | 0 36,19    | + 4,79                | - 4,06               | 30 9 44,24           |
| 5                               | Neptun b    | "          | 148 28 33,00          | "               | 5 20                           | - 7,26          | 33,60 | 31 39 7,86               | - 6,00         | - 4,5         | 766,5     | 0 38,40    | + 3,84                | - 3,55               | 31 39 46,55          |
| 6                               | " e         | "          | 149 17 3,02           | "               | 5 25                           | - 7,29          | 33,62 | 30 50 37,89              | - 6,02         | - 4,5         | 766,5     | 0 37,20    | + 3,16                | - 3,12               | 30 51 15,13          |
| 7                               | " h         | "          | 149 3 51,97           | "               | 5 32*                          | - 6,86          | 33,67 | 31 3 48,56               | - 6,05         | - 4,6         | 766,5     | 0 37,54    | + 2,05                | - 2,47               | 31 4 25,67           |
| 8                               | " l         | "          | 149 21 6,27           | "               | 5 38*                          | - 6,84          | 33,71 | 30 46 34,28              | - 6,08         | - 4,6         | 766,5     | 0 37,11    | + 1,21                | - 1,98               | 30 47 10,62          |
| 9                               | " o         | "          | 151 20 16,12          | "               | 5 46                           | - 6,97          | 33,77 | 28 47 24,62              | - 6,11         | - 4,6         | 766,5     | 0 34,25    | 0,00                  | - 1,24               | 28 47 57,63          |
| 10                              | " q         | "          | 148 38 58,52          | "               | 5 53*                          | - 6,88          | 33,81 | 31 28 42,17              | - 6,14         | - 4,6         | 766,5     | 0 38,16    | - 1,07                | - 0,62               | 31 29 18,64          |
| 11                              | " t         | "          | 151 15 1,02           | "               | 5 58                           | - 7,06          | 33,84 | 28 52 39,88              | - 6,17         | - 4,6         | 766,6     | 0 34,39    | - 1,85                | - 0,17               | 28 53 12,25          |
| 12                              | 3 Geminorum | "          | 151 6 40,85           | "               | 6 4                            | - 7,22          | 33,88 | 29 1 0,25                | - 6,19         | - 4,7         | 766,6     | 0 34,59    | - 2,68                | + 0,32               | 29 1 32,48           |
| 13                              | 7 Geminorum | "          | 150 31 3,60           | "               | 6 9                            | - 7,32          | 33,92 | 29 36 37,64              | - 6,21         | - 4,7         | 766,6     | 0 35,44    | - 3,44                | + 0,77               | 29 37 10,41          |
| II                              | Nadir       | "          | o 7 35,48             | m               | 7 30                           | - 1,01          | 34,47 |                          |                |               |           |            |                       |                      |                      |
| 1900 Januar 20 Arm Ost, Kr. B   |             |            |                       |                 |                                |                 |       |                          |                |               |           |            |                       |                      |                      |
| I                               | Nadir       | P          | o 7 36,20             | m               | 6 55                           | - 1,01          | 35,19 |                          |                |               |           |            |                       |                      |                      |
| 8                               | z Geminorum | "          | 152 37 2,82           | b               | 7 39*                          | - 7,94          | 35,21 | 27 30 40,33              | + 1,67         | + 3,4         | 769,0     | 0 31,61    | - 8,50                | 0,00                 | 27 31 3,44           |
| 9                               | z Geminorum | "          | 155 0 10,82           | "               | 7 48                           | - 7,41          | 35,23 | 25 7 31,82               | + 1,62         | + 3,4         | 769,0     | 0 28,47    | - 8,99                | "                    | 25 7 51,30           |
| 10                              | Mars e      | "          | 152 17 11,14          | "               | 8 2                            | - 7,28          | 35,23 | 27 50 31,37              | + 1,53         | + 3,3         | 769,0     | 0 32,07    | - 10,02               | "                    | 27 50 53,42          |
| 11                              | " f         | "          | 153 47 21,15          | "               | 8 5*                           | - 7,29          | 35,23 | 26 20 21,37              | + 1,50         | + 3,3         | 769,0     | 0 30,06    | - 10,16               | "                    | 26 20 41,27          |
| 12                              | " h         | "          | 153 0 59,82           | "               | 8 9                            | - 7,66          | 35,23 | 27 6 43,07               | + 1,48         | + 3,3         | 769,0     | 0 31,09    | - 10,44               | "                    | 27 7 3,72            |
| 13                              | " i         | "          | 153 37 46,65          | "               | 8 15                           | - 6,98          | 35,23 | 26 29 55,56              | + 1,45         | + 3,3         | 769,1     | 0 30,28    | - 10,81               | "                    | 26 30 15,93          |
| 14                              | " n         | "          | 151 27 35,15          | "               | 8 22                           | - 7,10          | 35,24 | 28 40 7,19               | + 1,40         | + 3,3         | 769,1     | 0 33,22    | - 11,22               | "                    | 28 40 29,19          |
| 15                              | n Cancri    | "          | 148 45 39,30          | "               | 8 27                           | - 7,12          | 35,24 | 31 22 3,06               | + 1,37         | + 3,2         | 769,1     | 0 37,04    | - 11,48               | "                    | 31 22 28,62          |
| 16                              | 7 Cancri    | "          | 149 48 27,88          | "               | 8 38*                          | - 7,24          | 35,25 | 30 19 14,61              | + 1,30         | + 3,2         | 769,1     | 0 35,54    | - 12,09               | "                    | 30 19 38,06          |
| 17                              | t Cancri    | "          | 157 6 8,97            | "               | 8 41*                          | - 7,63          | 35,25 | 23 1 33,91               | + 1,28         | + 3,2         | 769,1     | 0 25,84    | - 12,50               | "                    | 23 1 47,25           |
| II                              | Nadir       | "          | o 7 36,30             | m               | 9 55                           | - 1,01          | 35,29 |                          |                |               |           |            |                       |                      |                      |
| Januar 25 Arm Ost, Kr. B        |             |            |                       |                 |                                |                 |       |                          |                |               |           |            |                       |                      |                      |
| I                               | Nadir       | P          | o 7 36,36             | m               | 4 35                           | - 1,01          | 35,35 |                          |                |               |           |            |                       |                      |                      |
| 2                               | t Tauri     | "          | 149 25 49,57          | b               | 4 58                           | - 7,06          | 35,39 | 30 41 52,88              | + 5,80         | + 6,3         | 769,8     | 0 35,51    | + 1,37                | 0,00                 | 30 42 29,76          |
| 4                               | 108 Tauri   | "          | 150 9 11,02           | "               | 5 10                           | - 6,83          | 35,41 | 29 58 31,22              | + 5,83         | + 6,3         | 769,9     | 0 34,50    | + 0,82                | "                    | 29 59 6,54           |
| 5                               | u Tauri     | "          | 149 58 32,57          | "               | 5 14*                          | - 6,14          | 35,41 | 30 9 8,98                | + 5,84         | + 6,3         | 769,9     | 0 34,75    | + 0,55                | "                    | 30 9 44,28           |
| 6                               | Neptun b    | "          | 148 28 31,95          | "               | 5 20*                          | - 7,23          | 35,42 | 31 39 10,70              | + 5,86         | + 6,3         | 769,9     | 0 36,87    | - 0,20                | "                    | 31 39 47,37          |
| 7                               | " e         | "          | 149 17 3,00           | "               | 5 25                           | - 7,29          | 35,43 | 30 50 39,72              | + 5,87         | + 6,3         | 769,9     | 0 35,72    | - 0,30                | "                    | 30 51 15,14          |
| 8                               | " h         | "          | 149 3 51,92           | "               | 5 32                           | - 6,88          | 35,44 | 31 3 50,40               | + 5,89         | + 6,3         | 770,0     | 0 36,03    | - 0,82                | "                    | 31 4 25,61           |
| 9                               | " l         | "          | 149 21 5,92           | "               | 5 38*                          | - 6,84          | 35,45 | 30 46 36,37              | + 5,90         | + 6,3         | 770,0     | 0 35,62    | - 1,11                | "                    | 30 47 10,88          |
| 10                              | " o         | "          | 151 20 16,19          | "               | 5 46                           | - 6,97          | 35,46 | 28 47 26,24              | + 5,92         | + 6,3         | 770,0     | 0 32,87    | - 1,19                | "                    | 28 47 57,92          |
| 11                              | " q         | "          | 148 38 57,86          | "               | 5 53                           | - 6,92          | 35,47 | 31 28 44,53              | + 5,94         | + 6,3         | 770,0     | 0 36,62    | - 2,24                | "                    | 31 29 18,91          |
| 12                              | " t         | "          | 151 15 1,22           | "               | 5 59                           | - 7,06          | 35,48 | 28 52 41,32              | + 5,95         | + 6,3         | 770,1     | 0 32,99    | - 2,01                | "                    | 28 53 12,30          |
| 13                              | 3 Geminorum | "          | 151 6 40,55           | "               | 6 4                            | - 7,22          | 35,49 | 29 1 2,16                | + 5,96         | + 6,3         | 770,1     | 0 33,18    | - 2,41                | "                    | 29 1 32,93           |
| 14                              | 7 Geminorum | "          | 150 31 3,37           | "               | 6 9*                           | - 7,30          | 35,50 | 29 36 39,43              | + 5,98         | + 6,3         | 770,1     | 0 33,99    | - 2,87                | "                    | 29 37 10,55          |
| II                              | Nadir       | "          | o 7 36,55             | m               | 6 35                           | - 1,01          | 35,54 |                          |                |               |           |            |                       |                      |                      |
| 17                              | z Geminorum | "          | 152 37 2,15           | b               | 7 39*                          | - 7,44          | 35,53 | 27 30 40,82              | + 5,91         | + 6,3         | 770,1     | 0 31,16    | - 8,52                | "                    | 27 31 3,46           |

Dec. 19. (2) t + 60s; (3) t + 5s; (4) t + 5s; (7) t + 5s; (8) t + 5s; (10) t + 15s. Jan. 20. Luft 2-3, feucht; (8) t + 60s; (11) t + 10s; (16) t + 60s; (17) t + 62s. Jan. 25. (5) t + 5s; (6) t + 5s; (9) t + 5s; (14) t + 5s; (17) t + 10s.

| Nr.  | Stern             | Beobachter | Mittel der Mikroskope | Horizontalfaden | Zeit H. 17 | Summe der Corr. | Nadir | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|--|-------------------|------------|-----------------------|-----------------|------------|-----------------|-------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1900 Januar 25 (Forts.)  |                   |            |                       |                 |            |                 |       |                          |                |               |           |            |                       |                     |                      |
| 18   | $\rho$ Geminorum  | P          | 155° 0' 10" 55        | b               | 7h 48m     | - 7,41          | 35,53 | 25° 7' 32" 39            | + 5,91         | + 6,3         | 770,1     | 0' 28" 06  | - 8" 94               | 0" 00               | 25° 7' 51" 51        |
| 19   | Mars <i>b</i>     | "          | 151 50 13,96          | "               | 7 56       | - 7,05          | 35,53 | 28 17 28,62              | + 5,91         | + 6,3         | 770,1     | 0 32,20    | - 9,66                | "                   | 28 17 51,16          |
| 20   | " <i>c</i>        | "          | 152 58 59,02          | "               | 8 3        | - 7,46          | 35,53 | 27 8 43,97               | + 5,91         | + 6,3         | 770,1     | 0 30,67    | - 10,04               | "                   | 27 9 4,60            |
| 21   | " <i>g</i>        | "          | 151 25 4,51           | "               | 8 8*       | - 7,16          | 35,53 | 28 42 38,18              | + 5,92         | + 6,3         | 770,1     | 0 32,76    | - 10,47               | "                   | 28 43 0,47           |
| 22   | " <i>k</i>        | "          | 152 18 57,20          | "               | 8 15       | - 6,73          | 35,53 | 27 48 45,06              | + 5,92         | + 6,3         | 770,1     | 0 31,56    | - 10,85               | "                   | 27 49 5,77           |
| 23   | " <i>m</i>        | "          | 152 50 28,47          | "               | 8 21*      | - 6,93          | 35,53 | 27 17 13,99              | + 5,92         | + 6,3         | 770,1     | 0 30,86    | - 11,22               | "                   | 27 17 33,63          |
| 24   | $\eta$ Cancri     | "          | 148 45 38,95          | "               | 8 27*      | - 7,09          | 35,53 | 31 22 3,67               | + 5,92         | + 6,3         | 770,1     | 0 36,46    | - 11,65               | "                   | 31 22 28,48          |
| 25   | $\gamma$ Cancri   | "          | 149 48 27,01          | "               | 8 38       | - 6,85          | 35,53 | 30 19 15,37              | + 5,92         | + 6,3         | 770,1     | 0 34,98    | - 12,23               | "                   | 30 19 38,12          |
| 26   | $\iota$ Cancri    | "          | 157 6 8,52            | "               | 8 41       | - 7,02          | 35,53 | 23 1 34,03               | + 5,92         | + 6,3         | 770,1     | 0 25,43    | - 12,42               | "                   | 23 1 47,04           |
| III  | Nadir             | "          | 0 7 36,53             | m               | 9 50       | - 1,01          | 35,52 |                          |                |               |           |            |                       |                     |                      |
| Februar 6 Arm Ost, Kr. B   |                   |            |                       |                 |            |                 |       |                          |                |               |           |            |                       |                     |                      |
| I  | Nadir             | P          | 0 7 35,38             | m               | 4 25       | - 1,01          | 34,37 |                          |                |               |           |            |                       |                     |                      |
| 2  | $\iota$ Tauri     | "          | 149 25 48,77          | b               | 4 58       | - 7,06          | 34,40 | 30 41 52,69              | - 0,74         | + 0,7         | 756,4     | 0 35,76    | + 1,28                | 0,00                | 30 42 29,73          |
| 3  | 108 Tauri         | "          | 150 9 10,92           | "               | 5 10       | - 6,83          | 34,41 | 29 58 30,32              | - 0,88         | + 0,7         | 756,4     | 0 34,76    | + 0,79                | "                   | 29 59 5,87           |
| 4  | $n$ Tauri         | "          | 149 58 31,97          | "               | 5 14       | - 6,15          | 34,41 | 30 9 8,59                | - 0,92         | + 0,6         | 756,4     | 0 35,02    | + 0,52                | "                   | 30 9 44,13           |
| 5  | Neptun <i>c</i>   | "          | 149 50 3,19           | "               | 5 22       | - 6,99          | 34,42 | 30 17 38,22              | - 1,01         | + 0,5         | 756,4     | 0 35,23    | - 0,02                | "                   | 30 18 13,43          |
| 6  | " <i>f</i>        | "          | 148 23 10,70          | "               | 5 28       | - 6,94          | 34,43 | 31 44 30,67              | - 1,07         | + 0,5         | 756,4     | 0 37,30    | - 0,81                | "                   | 31 45 7,16           |
| 7  | " <i>i</i>        | "          | 150 35 31,65          | "               | 5 37*      | - 6,80          | 34,44 | 29 32 9,59               | - 1,16         | + 0,5         | 756,4     | 0 34,19    | - 0,67                | "                   | 29 32 43,11          |
| 8  | " <i>m</i>        | "          | 150 28 23,60          | "               | 5 42       | - 7,06          | 34,44 | 29 39 17,90              | - 1,22         | + 0,4         | 756,4     | 0 34,36    | - 1,02                | "                   | 29 39 51,24          |
| 9  | " <i>p</i>        | "          | 150 1 58,50           | "               | 5 48       | - 6,54          | 34,45 | 30 5 42,49               | - 1,29         | + 0,4         | 756,4     | 0 34,98    | - 1,53                | "                   | 30 6 15,94           |
| 10   | " <i>r</i>        | "          | 149 34 43,70          | "               | 5 54       | - 7,03          | 34,45 | 36 32 57,78              | - 1,35         | + 0,3         | 756,4     | 0 35,64    | - 2,05                | "                   | 30 33 31,37          |
| 11   | " <i>t</i>        | "          | 151 15 1,15           | "               | 5 59       | - 7,06          | 34,46 | 28 52 40,37              | - 1,40         | + 0,3         | 756,5     | 0 33,31    | - 1,88                | "                   | 28 53 11,80          |
| 12   | 3 Geminorum       | "          | 151 6 41,35           | "               | 6 4        | - 7,22          | 34,46 | 29 1 0,33                | - 1,46         | + 0,3         | 756,5     | 0 33,51    | - 2,27                | "                   | 29 1 31,57           |
| 13   | $\eta$ Geminorum  | "          | 150 31 2,80           | "               | 6 9        | - 7,32          | 34,46 | 29 36 38,98              | - 1,52         | + 0,2         | 756,5     | 0 34,34    | - 2,76                | "                   | 29 37 10,56          |
| 17   | $\zeta$ Geminorum | "          | 152 37 0,80           | "               | 7 39       | - 7,47          | 34,55 | 27 30 41,22              | - 2,47         | - 0,3         | 756,7     | 0 31,60    | - 8,23                | "                   | 27 31 4,59           |
| 18   | $\rho$ Geminorum  | "          | 155 0 10,72           | "               | 7 48       | - 7,41          | 34,55 | 25 7 31,24               | - 2,47         | - 0,4         | 756,7     | 0 28,45    | - 8,49                | "                   | 25 7 51,20           |
| 19   | Mars <i>b</i>     | "          | 151 50 13,55          | "               | 7 56       | - 7,05          | 34,56 | 28 17 28,06              | - 2,47         | - 0,4         | 756,7     | 0 32,65    | - 9,44                | "                   | 28 17 51,27          |
| 20   | " <i>d</i>        | "          | 153 49 15,55          | "               | 8 3        | - 6,98          | 34,57 | 26 18 26,00              | - 2,47         | - 0,4         | 756,7     | 0 29,99    | - 9,66                | "                   | 26 18 46,33          |
| 22   | " <i>g</i>        | "          | 151 25 4,77           | "               | 8 8*       | - 7,17          | 34,57 | 28 42 36,97              | - 2,46         | - 0,4         | 756,7     | 0 33,23    | - 10,30               | "                   | 28 42 59,90          |
| 23   | " <i>k</i>        | "          | 152 18 57,50          | "               | 8 15       | - 6,73          | 34,58 | 27 48 43,81              | - 2,46         | - 0,4         | 756,7     | 0 32,00    | - 10,63               | "                   | 27 49 5,18           |
| 24   | " <i>m</i>        | "          | 152 50 29,20          | "               | 8 21       | - 6,96          | 34,59 | 27 17 12,35              | - 2,46         | - 0,5         | 756,7     | 0 31,29    | - 10,96               | "                   | 27 17 32,68          |
| 25   | $\eta$ Cancri     | "          | 148 45 39,10          | "               | 8 27       | - 7,12          | 34,59 | 31 22 2,61               | - 2,46         | - 0,5         | 756,8     | 0 36,98    | - 11,71               | "                   | 31 22 27,88          |
| 26   | $\gamma$ Cancri   | "          | 149 48 26,71          | "               | 8 38       | - 6,85          | 34,60 | 30 19 14,74              | - 2,46         | - 0,5         | 756,8     | 0 35,48    | - 12,24               | "                   | 30 19 37,98          |
| 27   | $\iota$ Cancri    | "          | 157 6 8,27            | "               | 8 41       | - 7,02          | 34,60 | 23 1 33,35               | - 2,46         | - 0,5         | 756,8     | 0 25,79    | - 11,88               | "                   | 23 1 47,26           |
| II   | Nadir             | "          | 0 7 35,64             | m               | 9 10       | - 1,01          | 34,63 |                          |                |               |           |            |                       |                     |                      |
| Februar 8 Arm Ost, Kr. B   |                   |            |                       |                 |            |                 |       |                          |                |               |           |            |                       |                     |                      |
| I  | Nadir             | P          | 0 7 35,89             | m               | 4 35       | - 1,01          | 34,88 |                          |                |               |           |            |                       |                     |                      |
| 2  | $\iota$ Tauri     | "          | 149 25 48,85          | b               | 4 58       | - 7,06          | 34,81 | 30 41 53,02              | - 1,51         | + 0,2         | 762,6     | 0 36,16    | + 1,21                | 0,00                | 30 42 30,39          |
| 3  | 108 Tauri         | "          | 150 9 11,15           | "               | 5 10*      | - 6,81          | 34,79 | 29 58 30,45              | - 1,96         | - 0,1         | 762,7     | 0 35,19    | + 0,73                | "                   | 29 59 6,37           |
| 4  | $n$ Tauri         | "          | 149 58 32,07          | "               | 5 14       | - 6,15          | 34,77 | 30 9 8,85                | - 2,09         | - 0,1         | 762,7     | 0 35,46    | + 0,46                | "                   | 30 9 44,77           |
| 5  | Neptun <i>c</i>   | "          | 149 50 3,42           | "               | 5 22       | - 6,99          | 34,76 | 30 17 38,33              | - 2,39         | - 0,3         | 762,7     | 0 35,70    | - 0,08                | "                   | 30 18 13,95          |
| 6  | " <i>f</i>        | "          | 148 23 11,42          | "               | 5 28*      | - 6,92          | 34,74 | 31 44 30,24              | - 2,61         | - 0,4         | 762,8     | 0 37,85    | - 0,88                | "                   | 31 45 7,21           |
| 7  | " <i>i</i>        | "          | 150 35 32,25          | "               | 5 37       | - 6,83          | 34,71 | 29 32 9,29               | - 2,91         | - 0,6         | 762,8     | 0 34,71    | - 0,72                | "                   | 29 32 43,28          |
| 8  | " <i>m</i>        | "          | 150 28 23,97          | "               | 5 42       | - 7,06          | 34,70 | 29 39 17,79              | - 3,10         | - 0,7         | 762,8     | 0 34,90    | - 1,07                | "                   | 29 39 51,62          |
| 9  | " <i>p</i>        | "          | 150 1 57,70           | "               | 5 48       | - 6,54          | 34,68 | 30 5 43,52               | - 3,33         | - 0,8         | 762,8     | 0 35,56    | - 1,58                | "                   | 30 6 17,50           |
| <p>Jan. 25. (21) <math>t + 10^s</math>; (23) <math>t + 10^s</math>; (24) <math>t + 10^s</math>. Febr. 6. Luft zuerst 2, nachher 2-3; Feldbeleuchtung schwach; (7) <math>t + 10^s</math>; (22) <math>t + 5^s</math>. Febr. 8. Luft 2-3; (3) <math>t + 5^s</math>; (4) undul.; (6) <math>t + 5^s</math>.</p> |                   |            |                       |                 |            |                 |       |                          |                |               |           |            |                       |                     |                      |

| Nr.                      | Stern              | Beobachter | Mittel der Mikroskope | Horizontalfaden | Zeit H. 17                     | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|--------------------------|--------------------|------------|-----------------------|-----------------|--------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1900 Februar 8 (Forts.)  |                    |            |                       |                 |                                |                 |        |                          |                |               |           |            |                       |                     |                      |
| 10                       | Neptun <i>r</i>    | P          | 149° 34' 43" 35       | b               | 5 <sup>h</sup> 54 <sup>m</sup> | - 7" 03         | 34" 66 | 30° 32' 58" 34           | - 3,54         | - 0,9         | 762,8     | 0' 36" 24  | - 2" 10               | 0" 00               | 30° 33' 32" 48       |
| 11                       | " <i>t</i>         | "          | 151 15 1,22           | "               | 5 59                           | - 7,06          | 34,66  | 28 52 40,50              | - 3,70         | - 1,0         | 762,9     | 0 33,89    | - 1,91                | "                   | 28 53 12,48          |
| 12                       | 3 Geminorum        | "          | 151 6 41,55           | "               | 6 4                            | - 7,22          | 34,64  | 29 1 0,31                | - 3,90         | - 1,1         | 762,9     | 0 34,11    | - 2,31                | "                   | 29 1 32,11           |
| 13                       | 7 Geminorum        | "          | 150 31 3,27           | "               | 6 9                            | - 7,32          | 34,62  | 29 36 38,67              | - 4,09         | - 1,2         | 762,9     | 0 34,97    | - 2,80                | "                   | 29 37 10,84          |
| 17                       | z Geminorum        | "          | 152 37 2,52           | "               | 7 39                           | - 7,48          | 34,39  | 27 30 39,35              | - 4,60         | - 1,5         | 763,0     | 0 32,12    | - 8,24                | "                   | 27 31 3,23           |
| 18                       | p Geminorum        | "          | 155 0 11,45           | "               | 7 48                           | - 7,41          | 34,37  | 25 7 30,33               | - 4,51         | - 1,5         | 763,1     | 0 28,92    | - 8,47                | "                   | 25 7 50,78           |
| 19                       | Mars <i>b</i>      | "          | 151 50 13,40          | "               | 7 56                           | - 7,05          | 34,34  | 28 17 27,99              | - 4,44         | - 1,5         | 763,1     | 0 33,18    | - 9,45                | "                   | 28 17 51,72          |
| 20                       | " <i>d</i>         | "          | 153 49 16,60          | "               | 8 3                            | - 6,98          | 34,33  | 26 18 24,71              | - 4,37         | - 1,5         | 763,2     | 0 30,47    | - 9,65                | "                   | 26 18 45,53          |
| 22                       | " <i>g</i>         | "          | 151 25 4,12           | "               | 8 8                            | - 7,19          | 34,31  | 28 42 37,38              | - 4,32         | - 1,5         | 763,2     | 0 33,75    | - 10,32               | "                   | 28 43 0,81           |
| 23                       | " <i>k</i>         | "          | 152 18 56,87          | "               | 8 15                           | - 6,73          | 34,29  | 27 48 44,15              | - 4,25         | - 1,5         | 763,3     | 0 32,50    | - 10,64               | "                   | 27 49 6,01           |
| 24                       | " <i>m</i>         | "          | 152 50 29,70          | "               | 8 21                           | - 6,96          | 34,28  | 27 17 11,54              | - 4,19         | - 1,6         | 763,3     | 0 31,77    | - 10,97               | "                   | 27 17 32,34          |
| 25                       | 7 Cancri           | "          | 148 45 39,22          | "               | 8 27                           | - 7,12          | 34,26  | 31 22 2,16               | - 4,13         | - 1,6         | 763,3     | 0 37,54    | - 11,76               | "                   | 31 22 27,94          |
| 26                       | 7 Cancri           | "          | 149 48 26,40          | "               | 8 38*                          | - 6,82          | 34,23  | 30 19 14,65              | - 4,03         | - 1,6         | 763,4     | 0 36,01    | - 12,28               | "                   | 30 19 38,38          |
| 27                       | 6 Cancri           | "          | 157 6 7,80            | "               | 8 41                           | - 7,02          | 34,22  | 23 1 33,44               | - 4,00         | - 1,6         | 763,4     | 0 26,17    | - 11,84               | "                   | 23 1 47,77           |
| 11                       | Nadir              | "          | o 7 35,06             | m               | 9 40                           | - 1,01          | 34,05  |                          |                |               |           |            |                       |                     |                      |
| Februar 9 Arm Ost, Kr. B |                    |            |                       |                 |                                |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                        | Nadir              | P          | o 7 35,84             | m               | 4 25                           | - 1,01          | 34,83  |                          |                |               |           |            |                       |                     |                      |
| 5                        | 6 Tauri            | "          | 149 25 49,57          | b               | 4 58                           | - 7,06          | 34,90  | 30 41 52,39              | - 2,89         | - 1,7         | 760,9     | 0 36,28    | + 1,20                | 0,00                | 30 42 29,87          |
| 6                        | 108 Tauri          | "          | 150 9 11,42           | "               | 5 10                           | - 6,83          | 34,93  | 29 58 30,34              | - 2,91         | - 1,7         | 760,8     | 0 35,24    | + 0,73                | "                   | 29 59 6,31           |
| 7                        | n Tauri            | "          | 149 58 31,82          | "               | 5 14*                          | - 6,12          | 34,94  | 30 9 9,24                | - 2,92         | - 1,7         | 760,8     | 0 35,50    | + 0,46                | "                   | 30 9 45,20           |
| 8                        | Neptun <i>c</i>    | "          | 149 50 3,60           | "               | 5 22                           | - 6,99          | 34,95  | 30 17 38,34              | - 2,93         | - 1,7         | 760,8     | 0 35,70    | - 0,08                | "                   | 30 18 13,96          |
| 9                        | " <i>f</i>         | "          | 148 23 10,77          | "               | 5 28                           | - 6,94          | 34,96  | 31 44 31,13              | - 2,94         | - 1,8         | 760,7     | 0 37,80    | - 0,88                | "                   | 31 45 8,05           |
| 10                       | " <i>i</i>         | "          | 150 35 32,67          | "               | 5 37                           | - 6,84          | 34,98  | 29 32 9,15               | - 2,96         | - 1,8         | 760,7     | 0 34,62    | - 0,71                | "                   | 29 32 43,06          |
| 11                       | " <i>n</i>         | "          | 148 53 14,45          | "               | 5 42*                          | - 7,24          | 35,00  | 31 14 27,79              | - 2,97         | - 1,8         | 760,7     | 0 37,07    | - 1,56                | "                   | 31 15 3,30           |
| 12                       | " <i>v</i>         | "          | 148 14 25,97          | "               | 5 49                           | - 7,08          | 35,01  | 31 53 16,12              | - 2,98         | - 1,8         | 760,6     | 0 38,01    | - 2,16                | "                   | 31 53 51,97          |
| 13                       | " <i>r</i>         | "          | 149 34 43,37          | "               | 5 54                           | - 7,03          | 35,02  | 30 32 58,68              | - 2,99         | - 1,9         | 760,6     | 0 36,06    | - 2,09                | "                   | 30 33 32,65          |
| 14                       | " <i>t</i>         | "          | 151 15 1,17           | "               | 5 59                           | - 7,06          | 35,03  | 28 52 40,92              | - 3,00         | - 1,9         | 760,6     | 0 33,70    | - 1,91                | "                   | 28 53 12,71          |
| 15                       | 3 Geminorum        | "          | 151 6 40,95           | "               | 6 4                            | - 7,22          | 35,04  | 29 1 1,31                | - 3,01         | - 1,9         | 760,6     | 0 33,90    | - 2,30                | "                   | 29 1 32,91           |
| 16                       | 4 Geminorum        | "          | 150 31 2,27           | "               | 6 9                            | - 7,31          | 35,05  | 29 36 40,09              | - 3,02         | - 1,9         | 760,5     | 0 34,73    | - 2,79                | "                   | 29 37 12,03          |
| II                       | Nadir              | "          | o 7 36,12             | m               | 6 35                           | - 1,01          | 35,11  |                          |                |               |           |            |                       |                     |                      |
| 20                       | z Geminorum        | "          | 152 37 1,90           | b               | 7 39                           | - 7,47          | 34,87  | 27 30 40,44              | - 3,44         | - 2,1         | 760,1     | 0 31,86    | - 8,22                | "                   | 27 31 4,08           |
| 21                       | p Geminorum        | "          | 155 0 11,12           | "               | 7 48                           | - 7,41          | 34,84  | 25 7 31,13               | - 3,58         | - 2,2         | 760,1     | 0 28,71    | - 8,43                | "                   | 25 7 51,41           |
| 22                       | Mars <i>b</i>      | "          | 151 50 13,90          | "               | 7 56                           | - 7,05          | 34,81  | 28 17 27,96              | - 3,69         | - 2,2         | 760,0     | 0 32,95    | - 9,44                | "                   | 28 17 51,47          |
| 23                       | " <i>d</i>         | "          | 153 49 16,65          | "               | 8 3                            | - 6,98          | 34,78  | 26 18 25,11              | - 3,80         | - 2,3         | 760,0     | 0 30,28    | - 9,62                | "                   | 26 18 45,77          |
| 25                       | " <i>g</i>         | "          | 151 25 4,40           | "               | 8 8*                           | - 7,17          | 34,74  | 28 42 37,51              | - 3,88         | - 2,4         | 760,0     | 0 33,56    | - 10,31               | "                   | 28 43 0,76           |
| 26                       | " <i>k</i>         | "          | 152 18 57,27          | "               | 8 15                           | - 6,73          | 34,71  | 27 48 44,17              | - 3,98         | - 2,4         | 760,0     | 0 32,33    | - 10,62               | "                   | 27 49 5,88           |
| 27                       | " <i>m</i>         | "          | 152 50 29,25          | "               | 8 21                           | - 6,96          | 34,68  | 27 17 12,39              | - 4,07         | - 2,5         | 759,9     | 0 31,63    | - 10,95               | "                   | 27 17 33,07          |
| 28                       | 7 Cancri           | "          | 148 45 38,75          | "               | 8 27                           | - 7,12          | 34,66  | 31 22 3,03               | - 4,16         | - 2,5         | 759,9     | 0 37,38    | - 11,77               | "                   | 31 22 28,64          |
| 29                       | 7 Cancri           | "          | 149 48 26,90          | "               | 8 38                           | - 6,85          | 34,62  | 30 19 14,57              | - 4,32         | - 2,6         | 759,9     | 0 35,88    | - 12,28               | "                   | 30 19 38,17          |
| 30                       | 6 Cancri           | "          | 157 6 8,67            | "               | 8 41*                          | - 7,01          | 34,61  | 23 1 32,95               | - 4,37         | - 2,7         | 759,9     | 0 26,09    | - 11,80               | "                   | 23 1 47,24           |
| III                      | Nadir              | "          | o 7 35,42             | m               | 9 30                           | - 1,01          | 34,41  |                          |                |               |           |            |                       |                     |                      |
| 33                       | 6 Leonis           | "          | 127 43 6,87           | b               | 11 32                          | - 6,64          | 34,25  | 52 24 34,02              | - 5,67         | - 3,7         | 759,0     | 1 19,92    | - 15,96               | "                   | 52 25 37,98          |
| 34                       | 3 Virginis         | "          | 130 18 59,50          | "               | 11 46                          | - 6,98          | 34,24  | 49 48 41,72              | - 5,78         | - 3,8         | 759,0     | 1 12,89    | - 16,43               | "                   | 49 49 38,18          |
| 35                       | 6 Virginis         | "          | 132 11 57,05          | "               | 11 55                          | - 7,24          | 34,22  | 47 55 44,41              | - 5,86         | - 3,8         | 758,9     | 1 8,24     | - 16,79               | "                   | 47 56 35,86          |
| 36                       | Jupiter I <i>b</i> | "          | 127 28 29,25          | "               | 12 21                          | - 7,01          | 34,19  | 52 39 11,95              | - 6,06         | - 4,0         | 758,9     | 1 20,73    | - 15,50               | "                   | 52 40 17,18          |

Febr. 8. (26) sehr unruhig, t + 10°. Febr. 9. Zuerst cirri, schwache Sterne schwierig, Luft 2-3; (7) t + 10°; (11) t + 10°; (13) Feld vom Monde stark beleuchtet; (25) t + 5°; (30) t + 5°.

| Nr.                            | Stern       | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                        | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refrac-tion | Red. auf Jahresanfang | Red. f. Prae-cession | Zenithdistanz 1900,0 |
|--------------------------------|-------------|------------|-----------------------|-----------------|-----------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|-------------|-----------------------|----------------------|----------------------|
| <b>1900 Februar 9 (Forts.)</b> |             |            |                       |                 |                                   |                 |        |                          |                |               |           |             |                       |                      |                      |
| 37                             | Jupiter I d | P          | 126° 6' 56",97        | b               | 12 <sup>h</sup> 25 <sup>m</sup> * | -7",41          | 34",19 | 54° 0' 44",63            | - 6,10         | - 4,0         | 758,9     | 1' 24",83   | -15",11               | 0",00                | 54° 1' 54",35        |
| 38                             | " f         | "          | 128 16 1,72           | "               | 12 28 *                           | -7,09           | 34,19  | 51 51 39,56              | - 6,13         | - 4,0         | 758,8     | 1 18,48     | -15,60                | "                    | 51 52 42,44          |
| 39                             | " h         | "          | 126 13 27,80          | "               | 12 32                             | -7,02           | 34,17  | 53 54 13,39              | - 6,17         | - 4,0         | 758,8     | 1 24,51     | -15,02                | "                    | 53 55 22,88          |
| 40                             | P. XII. 170 | "          | 125 41 52,17          | "               | 12 40                             | -7,42           | 34,17  | 54 25 49,42              | - 6,23         | - 4,0         | 758,8     | 1 26,17     | -14,76                | "                    | 54 27 0,83           |
| 41                             | 35 Virginis | "          | 132 6 20,75           | "               | 12 43                             | -7,17           | 34,16  | 48 1 20,58               | - 6,25         | - 4,1         | 758,8     | 1 8,55      | -16,40                | "                    | 48 2 12,73           |
| 42                             | 37 Virginis | "          | 131 35 16,55          | "               | 12 47                             | -7,24           | 34,15  | 48 32 24,84              | - 6,29         | - 4,1         | 758,8     | 1 9,82      | -16,21                | "                    | 48 33 18,45          |
| IV                             | Nadir       | "          | 0 7 35,07             | m               | 14 0                              | -1,01           | 34,06  |                          |                |               |           |             |                       |                      |                      |
| <b>März 10 Arm Ost, Kr. B</b>  |             |            |                       |                 |                                   |                 |        |                          |                |               |           |             |                       |                      |                      |
| I                              | Nadir       | B          | 0 7 35,93             | m               | 7 20                              | -1,01           | 34,92  |                          |                |               |           |             |                       |                      |                      |
| 3                              | × Geminorum | "          | 152 37 3,18           | b               | 7 39                              | -6,73 *         | 34,96  | 27 30 38,51              | + 4,11         | + 4,8         | 771,2     | 0 31,41     | - 7,01                | 0,00                 | 27 31 2,91           |
| 5                              | ♀ Geminorum | "          | 155 0 12,93           | "               | 7 48                              | -7,41           | 34,98  | 25 7 29,46               | + 4,12         | + 4,8         | 771,2     | 0 28,28     | - 6,84                | "                    | 25 7 50,90           |
| 6                              | Mars a      | "          | 153 38 44,38          | "               | 7 55                              | -7,05           | 34,99  | 26 28 57,66              | + 4,11         | + 4,7         | 771,2     | 0 30,05     | - 7,69                | "                    | 26 29 20,02          |
| 7                              | " e         | "          | 152 17 12,55          | "               | 8 2                               | -7,28           | 35,00  | 27 50 29,73              | + 4,05         | + 4,7         | 771,2     | 0 31,86     | - 8,50                | "                    | 27 50 53,09          |
| 8                              | " f         | "          | 153 47 22,80          | "               | 8 5 *                             | -7,30           | 35,01  | 26 20 19,51              | + 4,01         | + 4,7         | 771,2     | 0 29,87     | - 8,23                | "                    | 26 20 41,15          |
| 9                              | " l         | "          | 151 14 57,72          | "               | 8 17                              | -7,06           | 35,03  | 28 52 44,37              | + 3,92         | + 4,6         | 771,1     | 0 33,28     | - 9,60                | "                    | 28 53 8,05           |
| 10                             | " n         | "          | 151 27 35,90          | "               | 8 22                              | -7,10           | 35,04  | 28 40 6,24               | + 3,88         | + 4,6         | 771,1     | 0 33,00     | - 9,87                | "                    | 28 40 29,37          |
| 11                             | η Cancri    | "          | 148 45 39,63          | "               | 8 27                              | -7,12           | 35,05  | 31 22 2,54               | + 3,83         | + 4,5         | 771,1     | 0 36,79     | -10,87                | "                    | 31 22 28,46          |
| 13                             | γ Cancri    | "          | 149 48 27,18          | "               | 8 38                              | -6,85           | 35,07  | 30 19 14,74              | + 3,74         | + 4,4         | 771,1     | 0 35,31     | -11,19                | "                    | 30 19 38,86          |
| 14                             | ε Cancri    | "          | 157 6 11,02           | "               | 8 41                              | -7,02           | 35,08  | 23 1 31,08               | + 3,71         | + 4,4         | 771,1     | 0 25,67     | - 9,57                | "                    | 23 1 47,18           |
| II                             | Nadir       | "          | 0 7 36,29             | m               | 10 20                             | -1,01           | 35,28  |                          |                |               |           |             |                       |                      |                      |
| <b>März 22 Arm Ost, Kr. B</b>  |             |            |                       |                 |                                   |                 |        |                          |                |               |           |             |                       |                      |                      |
| I                              | Nadir       | P          | 0 7 38,17             | m               | 11 5                              | -1,02           | 37,15  |                          |                |               |           |             |                       |                      |                      |
| 2                              | υ Leonis    | "          | 127 43 1,87           | b               | 11 32                             | -6,63           | 37,12  | 52 24 41,88              | + 5,80         | + 5,1         | 754,2     | 1 16,03     | -19,40                | 0,00                 | 52 25 38,51          |
| 4                              | β Virginis  | "          | 130 18 55,85          | "               | 11 46                             | -6,97           | 37,10  | 49 48 48,22              | + 5,67         | + 5,1         | 754,2     | 1 9,34      | -19,26                | "                    | 49 49 38,30          |
| 5                              | b Virginis  | "          | 132 11 53,22          | "               | 11 55                             | -7,24           | 37,09  | 47 55 51,11              | + 5,42         | + 5,1         | 754,2     | 1 4,96      | -19,28                | "                    | 47 56 36,79          |
| 6                              | Jupiter I b | "          | 127 28 24,10          | "               | 12 21 *                           | -6,95           | 37,06  | 52 39 19,91              | + 5,01         | + 5,1         | 754,3     | 1 16,93     | -19,03                | "                    | 52 40 17,81          |
| 7                              | " d         | "          | 126 6 51,02           | "               | 12 25 *                           | -7,37           | 37,05  | 54 0 53,40               | + 4,95         | + 5,1         | 754,3     | 1 20,84     | -18,94                | "                    | 54 1 55,30           |
| 8                              | " f         | "          | 128 15 56,68          | "               | 12 28                             | -7,11           | 37,05  | 51 51 47,48              | + 4,88         | + 5,1         | 754,3     | 1 14,80     | -18,95                | "                    | 51 52 43,33          |
| 9                              | " h         | "          | 126 13 23,02          | "               | 12 33                             | -7,02           | 37,04  | 53 54 21,04              | + 4,82         | + 5,1         | 754,3     | 1 20,55     | -18,82                | "                    | 53 55 22,77          |
| 10                             | P. XII. 170 | "          | 125 41 46,22          | "               | 12 40                             | -7,40           | 37,03  | 54 25 58,21              | + 4,70         | + 5,1         | 754,3     | 1 22,16     | -18,66                | "                    | 54 27 1,71           |
| 11                             | 35 Virginis | "          | 132 6 17,35           | "               | 12 43                             | -7,16           | 37,03  | 48 1 26,84               | + 4,64         | + 5,1         | 754,3     | 1 5,37      | -18,89                | "                    | 48 2 13,32           |
| 12                             | 37 Virginis | "          | 131 35 12,65          | "               | 12 47                             | -7,23           | 37,03  | 48 32 31,61              | + 4,58         | + 5,1         | 754,3     | 1 6,58      | -18,82                | "                    | 48 33 19,37          |
| II                             | Nadir       | "          | 0 7 37,93             | m               | 14 25                             | -1,02           | 36,91  |                          |                |               |           |             |                       |                      |                      |
| <b>März 26 Arm Ost, Kr. B</b>  |             |            |                       |                 |                                   |                 |        |                          |                |               |           |             |                       |                      |                      |
| I                              | Nadir       | P          | 0 7 37,36             | m               | 11 10                             | -1,01           | 36,35  |                          |                |               |           |             |                       |                      |                      |
| 2                              | υ Leonis    | "          | 127 43 4,45           | b               | 11 32 *                           | -6,58           | 36,43  | 52 24 38,56              | - 1,55         | + 0,6         | 753,2     | 1 18,05     | -19,61                | 0,00                 | 52 25 37,00          |
| 3                              | β Virginis  | "          | 130 18 58,00          | "               | 11 46                             | -6,98           | 36,47  | 49 48 45,45              | - 1,60         | + 0,6         | 753,2     | 1 11,16     | -19,41                | "                    | 49 49 37,20          |
| 5                              | b Virginis  | "          | 132 11 55,32          | "               | 11 55 *                           | -7,08           | 36,51  | 47 55 48,27              | - 1,63         | + 0,5         | 753,1     | 1 6,61      | -19,29                | "                    | 47 56 35,59          |
| 6                              | Jupiter I a | "          | 127 52 43,00          | "               | 12 15                             | -7,00           | 36,58  | 52 15 0,58               | - 1,70         | + 0,5         | 753,0     | 1 17,62     | -19,32                | "                    | 52 15 58,88          |
| 7                              | " c         | "          | 128 21 34,40          | "               | 12 22                             | -7,15           | 36,60  | 51 46 9,35               | - 1,72         | + 0,4         | 753,0     | 1 16,30     | -19,24                | "                    | 51 47 6,41           |
| 8                              | " e         | "          | 127 18 35,68          | "               | 12 25                             | -6,58           | 36,61  | 52 49 7,51               | - 1,73         | + 0,4         | 753,0     | 1 19,24     | -19,21                | "                    | 52 50 7,54           |
| 9                              | " g         | "          | 127 8 0,50            | "               | 12 30                             | -6,57           | 36,63  | 52 59 42,70              | - 1,75         | + 0,4         | 753,0     | 1 19,75     | -19,13                | "                    | 53 0 43,32           |
| 10                             | P. XII. 170 | "          | 125 41 49,58          | "               | 12 40                             | -7,42           | 36,67  | 54 25 54,51              | - 1,78         | + 0,4         | 752,9     | 1 24,04     | -18,94                | "                    | 54 26 59,61          |
| 11                             | 35 Virginis | "          | 132 6 19,48           | "               | 12 43                             | -7,17           | 36,68  | 48 1 24,37               | - 1,79         | + 0,3         | 752,9     | 1 6,85      | -19,01                | "                    | 48 2 12,21           |
| 12                             | 37 Virginis | "          | 131 35 15,12          | "               | 12 47                             | -7,24           | 36,70  | 48 32 28,82              | - 1,81         | + 0,3         | 752,9     | 1 8,08      | -18,95                | "                    | 48 33 17,95          |

Febr. 9. (37) t + 5s; (38) t + 5s. März 10. (3) Strich 40'; (8) t + 10s. März 22. Luft zuerst 3, neblig; nachher 4, klar; Nadir II sehr beweglich; (6) bis (12) diffuse Nebelflecke, bisweilen fast unsichtbar; (6) t + 10s; (7) t + 10s. März 26. Luft 2-3; (2) t + 10s; (5) t + 56s.

| Nr.   | Stern        | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                      | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Prae-cession | Zenithdistanz 1900,0 |
|---|--------------|------------|-----------------------|-----------------|---------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|----------------------|----------------------|
| 1900 März 26 (Forts.)   |              |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                      |                      |
| 16  | 83 Virginis  | P          | 112° 20' 0" 42        | b               | 13 <sup>h</sup> 40 <sup>m</sup> | - 6" 64         | 36" 88 | 67° 47' 43" 10           | - 1,76         | + 0,1         | 752,7     | 2' 26" 54  | - 15" 77              | 0" 00                | 67° 49' 53" 87       |
| 17  | 89 Virginis  | "          | 110 22 40,65          | "               | 13 45                           | - 6,34          | 36,90  | 69 45 2,59               | - 1,75         | + 0,1         | 752,7     | 2 41,90    | - 15,22               | "                    | 69 47 29,27          |
| 19  | 94 Virginis  | "          | 119 35 3,18           | "               | 14 2                            | - 7,42          | 36,96  | 60 32 41,20              | - 1,84         | 0,0           | 752,6     | 1 46,26    | - 15,81               | "                    | 60 34 11,65          |
| 20  | Jupiter II a | "          | 116 37 58,42          | "               | 14 9                            | - 6,40          | 36,99  | 63 29 44,97              | - 1,91         | 0,0           | 752,6     | 2 0,25     | - 15,01               | "                    | 63 31 30,21          |
| 21  | " c          | "          | 115 5 38,98           | "               | 14 14                           | - 6,84          | 37,00  | 65 2 4,86                | - 1,96         | 0,0           | 752,5     | 2 8,73     | - 14,49               | "                    | 65 3 59,10           |
| 22  | " e          | "          | 115 31 4,22           | "               | 14 19                           | - 7,00          | 37,02  | 64 36 39,80              | - 2,01         | - 0,1         | 752,5     | 2 6,33     | - 14,32               | "                    | 64 38 31,81          |
| 23  | " g          | "          | 115 5 43,12           | "               | 14 23*                          | - 6,83          | 37,04  | 65 2 0,75                | - 2,05         | - 0,1         | 752,5     | 2 8,76     | - 14,05               | "                    | 65 3 55,46           |
| 24  | M. 592       | "          | 116 7 24,70           | "               | 14 32                           | - 7,07          | 37,06  | 64 0 19,43               | - 2,14         | - 0,2         | 752,5     | 2 3,05     | - 13,77               | "                    | 64 2 8,71            |
| 25  | 8 Librac     | "          | 112 25 44,02          | "               | 14 46                           | - 6,75          | 37,12  | 67 41 59,85              | - 2,28         | - 0,2         | 752,4     | 2 26,08    | - 12,27               | "                    | 67 44 13,66          |
| II  | Nadir        | "          | 0 7 38,24             | m               | 15 15                           | - 1,02          | 37,22  |                          |                |               |           |            |                       |                      |                      |
| April 2 Arm Ost, Kr. B  |              |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                      |                      |
| I   | Nadir        | P          | 0 7 37,79             | m               | 10 40                           | - 1,02          | 36,77  |                          |                |               |           |            |                       |                      |                      |
| 2   | ν Leonis     | "          | 127 43 5,90           | b               | 11 32                           | - 6,64          | 36,87  | 52 24 37,61              | - 1,76         | + 0,5         | 762,7     | 1 19,09    | - 19,63               | 0,00                 | 52 25 37,07          |
| 3   | β Virginis   | "          | 130 18 58,40          | "               | 11 46                           | - 6,98          | 36,89  | 49 48 45,47              | - 1,86         | + 0,4         | 762,5     | 1 12,11    | - 19,31               | "                    | 49 49 38,27          |
| 4   | b Virginis   | "          | 132 11 56,82          | "               | 11 55                           | - 7,24          | 36,91  | 47 55 47,33              | - 1,92         | + 0,3         | 762,4     | 1 7,51     | - 19,10               | "                    | 47 56 35,74          |
| 5   | Jupiter I a  | "          | 127 52 44,50          | "               | 12 15                           | - 7,00          | 36,95  | 52 14 59,45              | - 2,07         | + 0,1         | 762,1     | 1 18,67    | - 19,30               | "                    | 52 15 58,82          |
| 6   | " c          | "          | 128 21 38,52          | "               | 12 22                           | - 7,16          | 36,96  | 51 46 5,60               | - 2,12         | 0,0           | 762,0     | 1 17,33    | - 19,19               | "                    | 51 47 3,74           |
| 7   | " e          | "          | 127 18 39,08          | "               | 12 25                           | - 6,59          | 36,97  | 52 49 4,48               | - 2,15         | 0,0           | 761,9     | 1 20,30    | - 19,20               | "                    | 52 50 5,58           |
| 8   | " g          | "          | 127 8 4,10            | "               | 12 30                           | - 6,58          | 36,98  | 52 59 39,46              | - 2,17         | - 0,1         | 761,9     | 1 20,82    | - 19,13               | "                    | 53 0 41,15           |
| 9   | P. XII. 170  | "          | 125 41 51,48          | "               | 12 40*                          | - 7,36          | 36,99  | 54 25 52,87              | - 2,24         | - 0,2         | 761,8     | 1 25,18    | - 18,99               | "                    | 54 26 59,06          |
| 10  | 35 Virginis  | "          | 132 6 21,82           | "               | 12 43*                          | - 7,14          | 37,00  | 48 1 22,32               | - 2,30         | - 0,3         | 761,7     | 1 7,76     | - 18,79               | "                    | 48 2 11,29           |
| 11  | 37 Virginis  | "          | 131 35 16,55          | "               | 12 47*                          | - 7,21          | 37,01  | 48 32 27,67              | - 2,33         | - 0,4         | 761,6     | 1 9,01     | - 18,75               | "                    | 48 33 17,93          |
| II  | Nadir        | "          | 0 7 38,22             | m               | 14 30                           | - 1,02          | 37,20  |                          |                |               |           |            |                       |                      |                      |
| April 18 Arm Ost, Kr. B   |              |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                      |                      |
| 3   | ν Leonis     | B          | 127 43 3,50           | b               | 11 32                           | - 6,61          | 36,12  | 52 24 39,23              | + 6,39         | + 8,1         | 775,4     | 1 17,95    | - 19,55               | 0,00                 | 52 25 37,63          |
| 5   | β Virginis   | "          | 130 18 57,30          | "               | 11 46                           | - 6,95          | 36,12  | 49 48 45,77              | + 6,33         | + 8,1         | 775,5     | 1 11,10    | - 18,98               | "                    | 49 49 37,89          |
| 6   | b Virginis   | "          | 132 11 55,78          | "               | 11 55                           | - 7,27          | 36,12  | 47 55 47,61              | + 6,28         | + 8,1         | 775,6     | 1 6,57     | - 18,59               | "                    | 47 56 35,59          |
| 8   | Jupiter I a  | "          | 127 52 41,98          | "               | 12 15                           | - 6,97          | 36,12  | 52 15 1,11               | + 6,04         | + 8,0         | 775,7     | 1 17,64    | - 19,15               | "                    | 52 15 59,60          |
| 9   | " b          | "          | 127 28 26,05          | "               | 12 21                           | - 6,99          | 36,12  | 52 39 17,06              | + 5,96         | + 7,9         | 775,7     | 1 18,80    | - 19,13               | "                    | 52 40 16,73          |
| 10  | " d          | "          | 126 6 53,20           | "               | 12 25                           | - 7,47          | 36,12  | 54 0 50,39               | + 5,91         | + 7,8         | 775,7     | 1 22,81    | - 19,25               | "                    | 54 1 53,95           |
| 11  | " f          | "          | 128 15 58,30          | "               | 12 28                           | - 7,13          | 36,12  | 51 51 44,95              | + 5,87         | + 7,8         | 775,7     | 1 16,62    | - 18,90               | "                    | 51 52 42,67          |
| 12  | " h          | "          | 126 13 24,88          | "               | 12 33                           | - 7,00          | 36,12  | 53 54 18,24              | + 5,81         | + 7,7         | 775,8     | 1 22,52    | - 19,09               | "                    | 53 55 21,67          |
| 13  | P. XII. 170  | "          | 125 41 48,35          | "               | 12 40                           | - 7,44          | 36,12  | 54 25 55,21              | + 5,72         | + 7,7         | 775,8     | 1 24,16    | - 19,00               | "                    | 54 27 0,37           |
| 14  | 35 Virginis  | "          | 132 6 19,75           | "               | 12 43                           | - 7,19          | 36,12  | 48 1 23,56               | + 5,69         | + 7,6         | 775,8     | 1 6,95     | - 18,18               | "                    | 48 2 12,33           |
| 15  | 37 Virginis  | "          | 131 35 14,82          | "               | 12 47                           | - 7,24          | 36,12  | 48 32 28,54              | + 5,63         | + 7,5         | 775,9     | 1 8,20     | - 18,18               | "                    | 48 33 18,56          |
| I   | Nadir        | "          | 0 7 37,13             | m               | 13 15                           | - 1,01          | 36,12  |                          |                |               |           |            |                       |                      |                      |
| II  | Nadir        | P          | 0 7 37,68             | m               | 13 15                           | - 1,02          | 36,66  |                          |                |               |           |            |                       |                      |                      |
| 18  | 83 Virginis  | "          | 112 19 59,15          | b               | 13 40*                          | - 6,61          | 36,78  | 67 47 44,24              | + 5,05         | + 7,1         | 776,1     | 2 27,19    | - 17,48               | 0,00                 | 67 49 53,95          |
| 19  | 89 Virginis  | "          | 110 22 37,75          | "               | 13 45                           | - 6,29          | 36,80  | 69 45 5,34               | + 5,01         | + 7,1         | 776,1     | 2 42,65    | - 17,16               | "                    | 69 47 30,83          |
| 20  | 94 Virginis  | "          | 119 35 4,15           | "               | 14 2                            | - 7,42          | 36,89  | 60 32 40,16              | + 4,89         | + 7,0         | 776,1     | 1 46,80    | - 16,42               | "                    | 60 34 10,54          |
| 21  | Jupiter II a | "          | 116 37 57,28          | "               | 14 9                            | - 6,36          | 36,92  | 63 29 46,00              | + 4,84         | + 6,9         | 776,1     | 2 0,85     | - 15,98               | "                    | 63 31 30,87          |
| 22  | " b          | "          | 116 24 5,02           | "               | 14 14                           | - 6,62          | 36,95  | 63 43 38,55              | + 4,79         | + 6,8         | 776,1     | 2 2,09     | - 15,70               | "                    | 63 45 24,94          |
| 23  | " d          | "          | 116 44 42,32          | "               | 14 19*                          | - 6,60          | 36,97  | 63 23 1,25               | + 4,75         | + 6,8         | 776,1     | 2 0,30     | - 15,46               | "                    | 63 24 46,09          |
| 24  | " f          | "          | 116 47 12,22          | "               | 14 21*                          | - 6,91          | 36,97  | 63 20 31,66              | + 4,74         | + 6,8         | 776,1     | 2 0,09     | - 15,39               | "                    | 63 22 16,36          |
| 25  | M. 592       | "          | 116 7 23,80           | "               | 14 32                           | - 7,11          | 37,03  | 64 0 20,34               | + 4,65         | + 6,7         | 776,1     | 2 3,65     | - 14,66               | "                    | 64 2 9,33            |
| <p>März 26. (23) t + 5°. April 2. Luft 3, bisweilen 2-3; (9) t + 10°; (10) t + 5°; (11) t + 5°. April 18. Luft 2, feucht, zuletzt Nebel im Süden; (18) t + 5°; (23) t + 5°; (24) t + 10°.</p> |              |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                      |                      |

| Nr.                     | Stern       | Beobachter | Mittel der Mikroskope | Horizontalfaden | Zeit H. 17                        | Summe der Corr. | Nadir | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|-------------------------|-------------|------------|-----------------------|-----------------|-----------------------------------|-----------------|-------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1900 April 18 (Forts.)  |             |            |                       |                 |                                   |                 |       |                          |                |               |           |            |                       |                     |                      |
| 26                      | 8 Librae    | P          | 112° 25' 44" 62       | b               | 14 <sup>h</sup> 46 <sup>m</sup> * | -6"73           | 37"10 | 67° 41' 59" 21           | + 4,55         | + 6,6         | 776,1     | 2' 26" 78  | - 13" 54              | 0"00                | 67° 44' 12" 45       |
| 29                      | 32 Librae   | "          | 111 38 40,12          | "               | 15 23                             | -6,34           | 37,27 | 68 29 3,49               | + 4,27         | + 6,2         | 776,1     | 2 32,79    | - 10,93               | "                   | 68 31 25,35          |
| 30                      | 7 Librae    | "          | 113 33 9,88           | "               | 15 31                             | -6,69           | 37,31 | 66 34 34,12              | + 4,22         | + 6,2         | 776,1     | 2 19,25    | - 10,71               | "                   | 66 36 42,66          |
| 31                      | 7 Librae    | "          | 108 39 56,40          | "               | 15 37                             | -6,82           | 37,34 | 71 27 47,76              | + 4,18         | + 6,1         | 776,2     | 2 59,24    | - 9,49                | "                   | 71 30 37,51          |
| 32                      | Jupiter III | η          | 108 9 14,53           | "               | 15 48                             | -6,55           | 37,40 | 71 58 29,42              | + 4,10         | + 6,0         | 776,2     | 3 4,64     | - 8,55                | "                   | 72 1 25,51           |
| 33                      | "           | δ          | 108 22 12,80          | "               | 15 54                             | -6,99           | 37,42 | 71 45 31,61              | + 4,07         | + 5,9         | 776,2     | 3 2,37     | - 8,15                | "                   | 71 48 25,83          |
| 34                      | "           | α          | 108 29 24,22          | "               | 16 0                              | -6,85           | 37,45 | 71 38 20,08              | + 4,02         | + 5,9         | 776,2     | 3 1,15     | - 7,70                | "                   | 71 41 13,53          |
| 35                      | "           | u          | 109 44 21,60          | "               | 16 10                             | -6,41           | 37,50 | 70 23 22,31              | + 3,96         | + 5,8         | 776,3     | 2 49,03    | - 7,26                | "                   | 70 26 4,08           |
| 36                      | "           | s          | 108 2 57,45           | "               | 16 14                             | -6,82           | 37,52 | 72 4 46,89               | + 3,93         | + 5,7         | 776,3     | 3 5,93     | - 6,58                | "                   | 72 7 46,24           |
| 37                      | "           | ξ          | 105 9 4,80            | "               | 16 18                             | -6,47           | 37,53 | 74 58 39,20              | + 3,91         | + 5,7         | 776,3     | 3 43,04    | - 5,67                | "                   | 75 2 16,57           |
| 38                      | "           | ρ          | 109 47 20,52          | "               | 16 22                             | -6,82           | 37,56 | 70 20 23,86              | + 3,88         | + 5,6         | 776,3     | 2 48,64    | - 6,36                | "                   | 70 23 6,14           |
| 39                      | "           | ε          | 109 33 55,10          | "               | 16 24                             | -6,56           | 37,57 | 70 33 49,03              | + 3,87         | + 5,6         | 776,3     | 2 50,71    | - 6,11                | "                   | 70 36 33,63          |
| 40                      | "           | m          | 108 17 26,57          | "               | 16 30                             | -6,42*          | 37,59 | 71 50 17,44              | + 3,83         | + 5,6         | 776,3     | 3 3,40     | - 5,44                | "                   | 71 53 15,40          |
| 41                      | "           | ρ          | 105 20 33,85          | "               | 16 33                             | -6,65           | 37,61 | 74 47 10,41              | + 3,81         | + 5,6         | 776,3     | 3 40,27    | - 4,50                | "                   | 74 50 46,18          |
| 42                      | "           | h          | 108 17 25,55          | "               | 16 37*                            | -6,85           | 37,63 | 71 50 18,93              | + 3,78         | + 5,5         | 776,3     | 3 3,44     | - 4,91                | "                   | 71 53 17,46          |
| III                     | Nadir       | "          | 0 7 38,83             | mi              | 17 15                             | -1,02           | 37,81 |                          |                |               |           |            |                       |                     |                      |
| April 19 Arm Ost, Kr. B |             |            |                       |                 |                                   |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                       | Nadir       | P          | 0 7 38,01             | m               | 13 15                             | -1,02           | 36,99 |                          |                |               |           |            |                       |                     |                      |
| 2                       | 83 Virginis | "          | 112 19 57,95          | b               | 13 40*                            | -6,61           | 36,92 | 67 47 45,58              | + 7,65         | + 8,9         | 778,3     | 2 26,19    | - 17,56               | 0,00                | 67 49 54,21          |
| 3                       | 89 Virginis | "          | 110 22 36,73          | "               | 13 45*                            | -6,17           | 36,89 | 69 45 6,33               | + 7,64         | + 8,8         | 778,3     | 2 41,53    | - 17,26               | "                   | 69 47 30,60          |
| 4                       | 94 Virginis | "          | 119 35 1,68           | "               | 14 2                              | -7,41           | 36,85 | 60 32 42,58              | + 7,61         | + 8,8         | 778,2     | 1 46,01    | - 16,46               | "                   | 60 34 12,13          |
| 5                       | Jupiter II  | a          | 116 37 56,08          | "               | 14 9                              | -6,37           | 36,81 | 63 29 47,10              | + 7,60         | + 8,8         | 778,2     | 1 59,94    | - 16,03               | "                   | 63 31 31,01          |
| 6                       | "           | c          | 115 5 37,62           | "               | 14 14                             | -6,85           | 36,81 | 65 2 6,04                | + 7,59         | + 8,8         | 778,2     | 2 8,38     | - 15,69               | "                   | 65 3 58,73           |
| 7                       | "           | e          | 115 31 2,50           | "               | 14 19                             | -7,01           | 36,80 | 64 36 41,31              | + 7,59         | + 8,7         | 778,1     | 2 5,96     | - 15,44               | "                   | 64 38 31,83          |
| 8                       | "           | g          | 115 5 41,78           | "               | 14 23                             | -6,86           | 36,77 | 65 2 1,85                | + 7,58         | + 8,7         | 778,1     | 2 8,37     | - 15,19               | "                   | 65 3 55,03           |
| 9                       | M. 592      | "          | 116 7 22,60           | "               | 14 32                             | -7,11           | 36,74 | 64 0 21,25               | + 7,57         | + 8,7         | 778,1     | 2 2,63     | - 14,71               | "                   | 64 2 9,17            |
| 10                      | 8 Librae    | "          | 112 25 42,20          | "               | 14 46                             | -6,75           | 36,70 | 67 42 1,25               | + 7,54         | + 8,7         | 778,0     | 2 25,51    | - 13,60               | "                   | 67 44 13,16          |
| II                      | Nadir       | "          | 0 7 37,62             | m               | 15 15                             | -1,02           | 36,60 |                          |                |               |           |            |                       |                     |                      |
| April 20 Arm Ost, Kr. B |             |            |                       |                 |                                   |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                       | Nadir       | P          | 0 7 37,24             | m               | 10 55                             | -1,01           | 36,23 |                          |                |               |           |            |                       |                     |                      |
| 2                       | υ Leonis    | "          | 127 43 1,52           | b               | 11 32*                            | -6,60           | 36,15 | 52 24 41,23              | + 12,03        | + 12,5        | 776,0     | 1 16,41    | - 19,57               | 0,00                | 52 25 38,07          |
| 3                       | β Virginis  | "          | 130 18 54,98          | "               | 11 46*                            | -6,92           | 36,12 | 49 48 48,06              | + 11,94        | + 12,4        | 775,9     | 1 9,68     | - 18,98               | "                   | 49 49 38,76          |
| 4                       | b Virginis  | "          | 132 11 53,38          | "               | 11 55                             | -7,27           | 36,10 | 47 55 49,99              | + 11,85        | + 12,4        | 775,8     | 1 5,24     | - 18,56               | "                   | 47 56 36,67          |
| 5                       | Jupiter I   | a          | 127 52 39,32          | "               | 12 15                             | -6,97           | 36,05 | 52 15 3,70               | + 11,65        | + 12,2        | 775,7     | 1 16,06    | - 19,16               | "                   | 52 16 0,60           |
| 6                       | "           | b          | 127 28 23,28          | "               | 12 21                             | -6,99           | 36,04 | 52 39 19,75              | + 11,59        | + 12,2        | 775,7     | 1 17,19    | - 19,15               | "                   | 52 40 17,79          |
| 7                       | "           | d          | 126 6 50,30           | "               | 12 25                             | -7,46           | 36,03 | 54 0 53,19               | + 11,55        | + 12,2        | 775,6     | 1 21,09    | - 19,28               | "                   | 54 1 55,00           |
| 8                       | "           | f          | 128 15 55,58          | "               | 12 28                             | -7,12           | 36,02 | 51 51 47,56              | + 11,52        | + 12,1        | 775,6     | 1 15,03    | - 18,90               | "                   | 51 52 43,69          |
| 9                       | "           | h          | 126 13 20,85          | "               | 12 33                             | -6,99           | 36,01 | 53 54 22,15              | + 11,47        | + 12,1        | 775,6     | 1 20,80    | - 19,12               | "                   | 53 55 23,83          |
| 11                      | P. XII 170  | "          | 125 41 45,65          | "               | 12 40                             | -7,43           | 35,99 | 54 25 57,77              | + 11,40        | + 12,1        | 775,5     | 1 22,38    | - 19,04               | "                   | 54 27 1,11           |
| 12                      | 35 Virginis | "          | 132 6 17,85           | "               | 12 43                             | -7,19           | 35,99 | 48 1 25,33               | + 11,37        | + 12,0        | 775,5     | 1 5,54     | - 18,14               | "                   | 48 2 12,73           |
| 13                      | 37 Virginis | "          | 131 35 12,58          | "               | 12 47                             | -7,24           | 35,98 | 48 32 30,64              | + 11,33        | + 12,0        | 775,5     | 1 6,75     | - 18,15               | "                   | 48 33 19,24          |
| 18                      | 83 Virginis | "          | 112 19 53,92          | "               | 13 40                             | -6,63           | 35,86 | 67 47 48,57              | + 10,92        | + 11,8        | 775,3     | 2 23,87    | - 17,65               | "                   | 67 49 54,79          |
| 19                      | 89 Virginis | "          | 110 22 32,97          | "               | 13 45                             | -6,28           | 35,85 | 69 45 9,16               | + 10,88        | + 11,8        | 775,3     | 2 38,98    | - 17,36               | "                   | 69 47 30,78          |
| 20                      | 94 Virginis | "          | 119 34 58,68          | "               | 14 2                              | -7,41           | 35,82 | 60 32 44,55              | + 10,74        | + 11,7        | 775,2     | 1 44,37    | - 16,50               | "                   | 60 34 12,42          |
| 21                      | Jupiter II  | a          | 116 37 53,32          | "               | 14 9*                             | -6,30           | 35,79 | 63 29 48,77              | + 10,66        | + 11,7        | 775,2     | 1 58,12    | - 16,09               | "                   | 63 31 30,80          |

April 18. Letzte Sterne durch Nebel geschwächt; schliesslich im Süden ganz bedeckt; (26) t + 5s; (40) Strich 20'; (42) t + 15s.  
 April 19. Luft 2-3; (2) t + 5s; (3) t + 15s. Apr. 20. Luft 2-3; (3) t + 5s; (21) t + 10s.

| Nr.                            | Stern         | Beobachter | Mittel der Mikroskope | Horizontaläden | Zeit H. 17 | Summe der Corr. | Nadir | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|--------------------------------|---------------|------------|-----------------------|----------------|------------|-----------------|-------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| <b>1900 April 20 (Forts.)</b>  |               |            |                       |                |            |                 |       |                          |                |               |           |            |                       |                     |                      |
| 22                             | Jupiter II c  | P          | 115° 5' 33"88         | b              | 14h 14m*   | -6"81           | 35"78 | 65° 2' 8"71              | +10,60         | +11,6         | 775,2     | 2' 6"46    | -15"76                | 0"00                | 65° 3' 59"41         |
| 23                             | " e           | "          | 115 30 59,47          | "              | 14 19      | -7,01           | 35,77 | 64 36 43,31              | +10,56         | +11,6         | 775,1     | 2 4,09     | -15,50                | "                   | 64 38 31,90          |
| 25                             | " g           | "          | 115 5 38,55           | "              | 14 23      | -6,85           | 35,77 | 65 2 4,07                | +10,52         | +11,5         | 775,1     | 2 6,48     | -15,26                | "                   | 65 3 55,29           |
| 26                             | M. 592        | "          | 116 7 19,72           | "              | 14 32      | -7,10           | 35,74 | 64 0 23,12               | +10,42         | +11,5         | 775,1     | 2 0,87     | -14,77                | "                   | 64 2 9,22            |
| 27                             | 8 Librae      | "          | 112 25 38,82          | "              | 14 46      | -6,74           | 35,72 | 67 42 3,64               | +10,28         | +11,4         | 775,0     | 2 23,48    | -13,68                | "                   | 67 44 13,44          |
| II                             | Nadir         | "          | 0 7 36,68             | m              | 15 5       | -1,01           | 35,67 |                          |                |               |           |            |                       |                     |                      |
| <b>April 21 Arm Ost, Kr. B</b> |               |            |                       |                |            |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                              | Nadir         | B          | 0 7 36,04             | m              | 11 10      | -1,01           | 35,03 |                          |                |               |           |            |                       |                     |                      |
| 1                              | α Leonis      | "          | 127 42 48,32          | a              | 11 32      | +5,28*          | 35,05 | 52 24 41,45              | +11,69         | +12,8         | 770,9     | 1 16,00    | -19,58                | 0,00                | 52 25 37,87          |
| 2                              | β Virginis    | "          | 130 18 42,65          | "              | 11 46      | +5,48           | 35,07 | 49 48 46,94              | +11,52         | +12,6         | 770,8     | 1 9,32     | -18,97                | "                   | 49 49 37,29          |
| 4                              | γ Virginis    | "          | 132 11 40,40          | "              | 11 55      | +5,19           | 35,08 | 47 55 49,49              | +11,41         | +12,4         | 770,7     | 1 4,91     | -18,54                | "                   | 47 56 35,86          |
| 6                              | Jupiter I a   | "          | 127 52 26,90          | "              | 12 15      | +5,19           | 35,09 | 52 15 3,00               | +11,17         | +12,0         | 770,5     | 1 15,68    | -19,17                | "                   | 52 15 59,51          |
| 7                              | " c           | "          | 128 21 19,12          | "              | 12 22      | +5,28           | 35,10 | 51 46 10,70              | +11,08         | +11,9         | 770,4     | 1 14,40    | -18,99                | "                   | 51 47 6,11           |
| 8                              | " e           | "          | 127 18 19,85          | "              | 12 25      | +5,88           | 35,11 | 52 49 9,38               | +11,05         | +11,9         | 770,4     | 1 17,27    | -19,11                | "                   | 52 50 7,54           |
| 9                              | " g           | "          | 127 7 44,62           | "              | 12 30      | +5,90           | 35,11 | 52 59 44,59              | +10,99         | +11,8         | 770,4     | 1 17,78    | -19,05                | "                   | 53 0-43,32           |
| 10                             | P. XII 170    | "          | 125 41 32,72          | "              | 12 40      | +5,01           | 35,12 | 54 25 57,39              | +10,70         | +11,7         | 770,3     | 1 22,03    | -19,05                | "                   | 54 27 0,37           |
| 11                             | 35 Virginis   | "          | 132 6 5,70            | "              | 12 43      | +5,27           | 35,12 | 48 1 24,15               | +10,53         | +11,7         | 770,3     | 1 5,30     | -18,12                | "                   | 48 2 11,33           |
| 12                             | 37 Virginis   | "          | 131 34 59,78          | "              | 12 47      | +5,21           | 35,13 | 48 32 30,14              | +10,35         | +11,7         | 770,2     | 1 6,53     | -18,13                | "                   | 48 33 18,54          |
| II                             | Nadir         | "          | 0 7 36,17             | m              | 13 20      | -1,01           | 35,16 |                          |                |               |           |            |                       |                     |                      |
| III                            | Nadir         | P          | 0 7 36,47             | m              | 13 20      | -1,01           | 35,46 |                          |                |               |           |            |                       |                     |                      |
| 15                             | 83 Virginis   | "          | 112 19 55,38          | b              | 13 40      | -6,63           | 35,53 | 67 47 46,78              | + 8,89         | +11,1         | 770,1     | 2 23,91    | -17,74                | "                   | 67 49 52,95          |
| 16                             | 89 Virginis   | "          | 110 22 33,97          | "              | 13 45      | -6,28           | 35,54 | 69 45 7,85               | + 8,85         | +11,0         | 770,1     | 2 39,08    | -17,46                | "                   | 69 47 29,47          |
| 17                             | 94 Virginis   | "          | 119 34 58,80          | "              | 14 2       | -7,41           | 35,59 | 60 32 44,20              | + 8,71         | +10,9         | 770,0     | 1 44,45    | -16,55                | "                   | 60 34 12,10          |
| 18                             | Jupiter II a  | "          | 116 37 53,35          | "              | 14 9       | -6,37           | 35,62 | 63 29 48,64              | + 8,65         | +10,9         | 769,9     | 1 58,17    | -16,15                | "                   | 63 31 30,66          |
| 19                             | " b           | "          | 116 24 1,12           | "              | 14 14      | * -6,54         | 35,63 | 63 43 41,05              | + 8,61         | +10,9         | 769,9     | 1 59,38    | -15,87                | "                   | 63 45 24,56          |
| 20                             | " d           | "          | 116 44 38,05          | "              | 14 19      | -6,63           | 35,64 | 63 23 4,22               | + 8,58         | +10,8         | 769,9     | 1 57,62    | -15,62                | "                   | 63 24 46,22          |
| 21                             | " f           | "          | 116 47 8,50           | "              | 14 20      | * -6,94         | 35,64 | 63 20 34,08              | + 8,57         | +10,8         | 769,9     | 1 57,42    | -15,55                | "                   | 63 22 15,95          |
| 22                             | M. 592        | "          | 116 7 19,62           | "              | 14 32      | -7,10           | 35,68 | 64 0 23,16               | + 8,47         | +10,8         | 769,8     | 2 0,87     | -14,82                | "                   | 64 2 9,21            |
| 23                             | 8 Librae      | "          | 112 25 38,75          | "              | 14 46      | * -6,71         | 35,72 | 67 42 3,68               | + 8,36         | +10,7         | 769,7     | 2 23,50    | -13,75                | "                   | 67 44 13,43          |
| 26                             | 32 Librae     | "          | 111 38 37,40          | "              | 15 23      | -6,33           | 35,84 | 68 29 4,77               | + 7,92         | +10,1         | 769,4     | 2 29,39    | -11,12                | "                   | 68 31 23,04          |
| 27                             | γ Librae      | "          | 113 33 6,08           | "              | 15 31      | -6,68           | 35,86 | 66 34 36,46              | + 7,90         | +10,1         | 769,4     | 2 16,13    | -10,86                | "                   | 66 36 41,73          |
| 28                             | z Librae      | "          | 108 39 52,05          | "              | 15 37      | -6,81           | 35,88 | 71 27 50,64              | + 7,88         | +10,1         | 769,3     | 2 55,16    | - 9,71                | "                   | 71 30 36,09          |
| 29                             | Jupiter III ζ | "          | 108 55 51,25          | "              | 15 50      | -7,09           | 35,91 | 71 11 51,75              | + 7,84         | +10,1         | 769,3     | 2 52,58    | - 8,76                | "                   | 71 14 35,57          |
| 30                             | " γ           | "          | 107 9 2,35            | "              | 15 56      | -6,57           | 35,96 | 72 58 40,18              | + 7,83         | +10,1         | 769,3     | 3 11,50    | - 7,99                | "                   | 73 1 43,69           |
| 31                             | " z           | "          | 106 27 37,70          | "              | 16 0       | -6,76           | 35,96 | 73 40 5,02               | + 7,82         | +10,1         | 769,3     | 3 19,89    | - 7,50                | "                   | 73 43 17,41          |
| 33                             | " w           | "          | 108 49 4,68           | "              | 16 7       | -6,44           | 35,99 | 71 18 37,74              | + 7,81         | +10,0         | 769,3     | 2 53,70    | - 7,44                | "                   | 71 21 24,00          |
| 34                             | " μ           | "          | 105 54 6,22           | "              | 16 10      | -6,92           | 36,00 | 74 13 36,70              | + 7,81         | +10,0         | 769,3     | 3 27,16    | - 6,66                | "                   | 74 16 57,20          |
| 35                             | " τ           | "          | 109 34 3,80           | "              | 16 15      | * -6,54         | 36,01 | 70 33 38,75              | + 7,79         | +10,0         | 769,2     | 2 46,61    | - 6,94                | "                   | 70 36 18,42          |
| 36                             | " q           | "          | 108 13 2,72           | "              | 16 19      | -6,43           | 36,02 | 71 54 39,73              | + 7,78         | +10,0         | 769,2     | 2 59,75    | - 6,39                | "                   | 71 57 33,09          |
| 37                             | " 0           | "          | 106 8 7,60            | "              | 16 22      | -6,84           | 36,04 | 73 59 35,28              | + 7,76         | +10,0         | 769,2     | 3 24,08    | - 5,71                | "                   | 74 2 53,65           |
| 38                             | " n           | "          | 106 46 24,40          | "              | 16 27      | -6,89           | 36,05 | 73 21 18,54              | + 7,75         | +10,0         | 769,2     | 3 16,03    | - 5,47                | "                   | 73 24 29,10          |
| 39                             | " l           | "          | 109 33 7,70           | "              | 16 30      | -6,50           | 36,06 | 70 34 34,86              | + 7,74         | +10,0         | 769,2     | 2 46,78    | - 5,79                | "                   | 70 37 15,85          |
| 40                             | " ω           | "          | 109 23 34,15          | "              | 16 33      | -6,46           | 36,07 | 70 44 8,38               | + 7,73         | +10,0         | 769,2     | 2 48,25    | - 5,52                | "                   | 70 46 51,11          |
| 41                             | " g           | "          | 106 52 24,40          | "              | 16 38      | * -6,59         | 36,08 | 73 15 18,27              | + 7,72         | +10,0         | 769,2     | 3 14,84    | - 4,63                | "                   | 73 18 28,48          |
| 42                             | " d           | "          | 106 21 2,65           | "              | 16 44      | -6,88           | 36,11 | 73 46 40,34              | + 7,70         | +10,0         | 769,2     | 3 21,33    | - 3,99                | "                   | 73 49 57,68          |

April 20. (22) t + 5°. Apr. 21. Luft 2, auch bei grössern Zenithdistanzen; (1) Strich 40'; (19) t + 10°; (21) t + 5°; (23) t + 5°; (33) nicht doppelt gesehen; (35) t + 5°; (41) Str. 55'.

| Nr.                            | Stern            | Beobachter | Mittel der Mikroskope | Horizontalfaden | Zeit H. 17                      | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|--------------------------------|------------------|------------|-----------------------|-----------------|---------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| <b>1900 April 21 (Forts.)</b>  |                  |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| 43                             | 24 Ophiuchi      | P          | 105° 2' 28" 22        | b               | 16 <sup>h</sup> 51 <sup>m</sup> | -6" 39*         | 36" 13 | 75° 5' 14" 30            | + 7,69         | + 10,0        | 769,1     | 3' 39" 38  | - 3" 11               | 0" 00               | 75° 8' 50" 57        |
| 44                             | 7 Ophiuchi       | "          | 112 24 38,85          | "               | 17 5                            | -6,62           | 36,17  | 67 43 3,94               | + 7,65         | + 10,0        | 769,1     | 2 23,88    | - 3,88                | "                   | 67 45 23,94          |
| 45                             | 36 Ophiuchi p.a. | "          | 101 35 43,88          | "               | 17 10                           | -7,40           | 36,19  | 78 31 59,71              | + 7,64         | + 10,0        | 769,1     | 4 45,06    | - 0,74                | "                   | 78 36 44,03          |
| IV                             | Nadir            | "          | 0 7 37,31             | m               | 17 45                           | -1,01           | 36,30  |                          |                |               |           |            |                       |                     |                      |
| <b>April 23 Arm Ost, Kr. B</b> |                  |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                              | Nadir            | P          | 0 7 37,99             | m               | 14 55                           | -1,02           | 36,97  |                          |                |               |           |            |                       |                     |                      |
| 2                              | 32 Librae        | "          | 111 38 37,52          | b               | 15 23                           | -6,33           | 37,05  | 68 29 5,86               | + 5,88         | + 7,4         | 763,1     | 2 29,32    | - 11,24               | 0,00                | 68 31 23,94          |
| 3                              | 7 Librae         | "          | 113 33 7,40           | "               | 15 31                           | -6,68           | 37,07  | 66 34 36,35              | + 5,85         | + 7,4         | 763,0     | 2 16,04    | - 10,95               | "                   | 66 36 41,44          |
| 4                              | 2 Librae         | "          | 108 39 51,80          | "               | 15 37                           | -6,81           | 37,08  | 71 27 52,09              | + 5,82         | + 7,4         | 763,0     | 2 55,10    | - 9,85                | "                   | 71 30 37,34          |
| 5                              | Jupiter III ζ    | "          | 108 55 51,38          | "               | 15 50                           | -7,09           | 37,13  | 71 11 52,84              | + 5,76         | + 7,3         | 762,9     | 2 52,50    | - 8,89                | "                   | 71 14 36,45          |
| 6                              | " γ              | "          | 107 9 4,95            | "               | 15 56                           | -6,58           | 37,14  | 72 58 38,77              | + 5,73         | + 7,3         | 762,9     | 3 11,43    | - 8,13                | "                   | 73 1 42,07           |
| 7                              | " x              | "          | 107 25 28,78          | "               | 16 2                            | -6,80           | 37,16  | 72 42 15,18              | + 5,70         | + 7,3         | 762,8     | 3 8,29     | - 7,68                | "                   | 72 45 15,79          |
| 8                              | " w              | "          | 108 49 6,05           | "               | 16 7                            | -6,44           | 37,18  | 71 18 37,57              | + 5,68         | + 7,2         | 762,8     | 2 53,64    | - 7,56                | "                   | 71 21 23,65          |
| 9                              | " q              | "          | 108 13 4,22           | "               | 16 19                           | -6,43           | 37,21  | 71 54 39,42              | + 5,62         | + 7,2         | 762,8     | 2 59,73    | - 6,51                | "                   | 71 57 32,64          |
| 10                             | " p              | "          | 109 47 16,52          | "               | 16 22                           | -6,80           | 37,22  | 70 20 27,50              | + 5,61         | + 7,2         | 762,8     | 2 44,62    | - 6,58                | "                   | 70 23 5,54           |
| 12                             | 24 Ophiuchi      | "          | 105 2 30,32           | "               | 16 51                           | -6,39           | 37,30  | 75 5 13,37               | + 5,47         | + 7,0         | 762,6     | 3 39,38    | - 3,22                | "                   | 75 8 49,53           |
| 13                             | 7 Ophiuchi       | "          | 112 24 39,85          | "               | 17 5                            | -6,62           | 37,34  | 67 43 4,11               | + 5,41         | + 7,0         | 762,5     | 2 23,87    | - 3,91                | "                   | 67 45 24,07          |
| 14                             | 36 Ophiuchi p.a. | "          | 101 35 45,25          | "               | 17 10*                          | -7,33           | 37,36  | 78 31 59,44              | + 5,39         | + 6,9         | 762,4     | 4 45,08    | - 0,86                | "                   | 78 36 43,66          |
| II                             | Nadir            | "          | 0 7 38,45             | m               | 17 35                           | -1,02           | 37,43  |                          |                |               |           |            |                       |                     |                      |
| <b>April 24 Arm Ost, Kr. B</b> |                  |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                              | Nadir            | P          | 0 7 37,12             | m               | 11 0                            | -1,01           | 36,11  |                          |                |               |           |            |                       |                     |                      |
| 4                              | α Leonis         | "          | 127 43 3,55           | b               | 11 32                           | -6,61           | 36,20  | 52 24 39,26              | + 5,43         | + 7,5         | 760,7     | 1 16,76    | - 19,48               | 0,00                | 52 25 36,54          |
| 5                              | β Virginis       | "          | 130 18 56,45          | "               | 11 46                           | -6,95           | 36,23  | 49 48 46,73              | + 5,36         | + 7,5         | 760,7     | 1 9,99     | - 18,84               | "                   | 49 49 37,88          |
| 6                              | γ Virginis       | "          | 132 11 54,75          | "               | 11 55*                          | -7,24           | 36,26  | 47 55 48,75              | + 5,29         | + 7,4         | 760,6     | 1 5,52     | - 18,39               | "                   | 47 56 35,88          |
| 7                              | Jupiter I a      | "          | 127 52 40,87          | "               | 12 15*                          | -6,91           | 36,32  | 52 15 2,36               | + 5,14         | + 7,4         | 760,6     | 1 16,38    | - 19,07               | "                   | 52 15 59,67          |
| 8                              | " b              | "          | 127 28 24,97          | "               | 12 21                           | -6,99           | 36,33  | 52 39 18,35              | + 5,10         | + 7,4         | 760,6     | 1 17,52    | - 19,07               | "                   | 52 40 16,80          |
| 9                              | " d              | "          | 126 6 52,07           | "               | 12 25                           | -7,46           | 36,34  | 54 0 51,73               | + 5,07         | + 7,3         | 760,5     | 1 21,44    | - 19,24               | "                   | 54 1 53,93           |
| 10                             | " f              | "          | 128 15 57,62          | "               | 12 28                           | -7,13           | 36,35  | 51 51 45,86              | + 5,04         | + 7,3         | 760,5     | 1 15,35    | - 18,81               | "                   | 51 52 42,40          |
| 11                             | " h              | "          | 126 13 23,22          | "               | 12 33*                          | -6,94           | 36,37  | 53 54 20,09              | + 5,01         | + 7,3         | 760,5     | 1 21,13    | - 19,07               | "                   | 53 55 22,15          |
| 12                             | P. XII 170       | "          | 125 41 47,55          | "               | 12 40                           | -7,43           | 36,39  | 54 25 56,27              | + 4,95         | + 7,3         | 760,5     | 1 22,73    | - 19,00               | "                   | 54 27 0,00           |
| 13                             | 35 Virginis      | "          | 132 6 19,67           | "               | 12 43                           | -7,19           | 36,39  | 48 1 23,91               | + 4,92         | + 7,3         | 760,5     | 1 5,82     | - 17,96               | "                   | 48 2 11,77           |
| 14                             | 37 Virginis      | "          | 131 35 14,25          | "               | 12 47                           | -7,24           | 36,41  | 48 32 29,40              | + 4,90         | + 7,3         | 760,5     | 1 7,03     | - 17,98               | "                   | 48 33 18,45          |
| 20                             | 83 Virginis      | "          | 112 19 57,68          | "               | 13 40                           | -6,64           | 36,55  | 67 47 45,51              | + 4,48         | + 6,9         | 760,3     | 2 24,51    | - 17,93               | "                   | 67 49 52,09          |
| 21                             | 89 Virginis      | "          | 110 22 35,08          | "               | 13 45                           | -6,29           | 36,57  | 69 45 7,78               | + 4,44         | + 6,8         | 760,3     | 2 39,70    | - 17,68               | "                   | 69 47 29,80          |
| 22                             | 94 Virginis      | "          | 119 35 1,45           | "               | 14 2                            | -7,41           | 36,61  | 60 32 42,57              | + 4,49         | + 6,8         | 760,2     | 1 44,76    | - 16,60               | "                   | 60 34 10,73          |
| 23                             | Jupiter II a     | "          | 116 37 55,05          | "               | 14 9                            | -6,37           | 36,63  | 63 29 47,95              | + 4,53         | + 6,8         | 760,2     | 1 58,50    | - 16,26               | "                   | 63 31 30,19          |
| 24                             | " b              | "          | 116 24 2,50           | "               | 14 14                           | -6,61           | 36,65  | 63 43 40,76              | + 4,55         | + 6,8         | 760,2     | 1 59,69    | - 15,98               | "                   | 63 45 24,47          |
| 25                             | " d              | "          | 116 44 39,40          | "               | 14 19                           | -6,63           | 36,66  | 63 23 3,89               | + 4,57         | + 6,8         | 760,1     | 1 57,90    | - 15,73               | "                   | 63 24 46,06          |
| 26                             | " f              | "          | 116 47 9,85           | "               | 14 20*                          | -6,95           | 36,66  | 63 20 33,76              | + 4,58         | + 6,8         | 760,1     | 1 57,68    | - 15,66               | "                   | 63 22 15,78          |
| 27                             | M. 592           | "          | 116 7 20,35           | "               | 14 32                           | -7,10           | 36,70  | 64 0 23,45               | + 4,64         | + 6,9         | 760,1     | 2 1,11     | - 14,93               | "                   | 64 2 9,63            |
| 28                             | 8 Librae         | "          | 112 25 39,68          | "               | 14 46*                          | -6,57           | 36,73  | 67 42 3,62               | + 4,71         | + 6,9         | 760,1     | 2 23,67    | - 13,92               | "                   | 67 44 13,37          |
| II                             | Nadir            | "          | 0 7 37,82             | m               | 15 10                           | -1,02           | 36,80  |                          |                |               |           |            |                       |                     |                      |
| <b>April 26 Arm Ost, Kr. B</b> |                  |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                              | Nadir            | P          | 0 7 36,79             | m               | 11 10                           | -1,01           | 35,78  |                          |                |               |           |            |                       |                     |                      |
| 2                              | β Virginis       | "          | 130 18 58,00          | b               | 11 46                           | -6,96           | 35,78  | 49 48 44,74              | + 2,62         | + 4,9         | 763,8     | 1 11,01    | - 18,72               | 0,00                | 49 49 37,03          |

April 21. (43) Str. 5; (45) sehr unruhig. Apr. 23. Luft 3, oft Wolken und Nebel, dadurch mehrere Sterne unsichtbar, andere geschwächt; (14) t + 10°. Apr. 24. Luft 2-3; (6) t + 5°; (7) t + 10°; (11) t + 10°; (26) t + 5°; (28) t + 20°.

| Nr.                     | Stern                | Beobachter | Mittel der Mikroskope | Horizontalfaden | Zeit H. 17                      | Summe der Corr. | Nadir | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|-------------------------|----------------------|------------|-----------------------|-----------------|---------------------------------|-----------------|-------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1900 April 26 (Forts.)  |                      |            |                       |                 |                                 |                 |       |                          |                |               |           |            |                       |                     |                      |
| 3                       | <i>b</i> Virginis    | P          | 132° 11' 56"85        | b               | 11 <sup>h</sup> 55 <sup>m</sup> | -7,27           | 35,78 | 47° 55' 46"20            | + 2,62         | + 4,9         | 763,8     | 1' 6"46    | -18"24                | 0"00                | 47° 56' 34"42        |
| 4                       | Jupiter I <i>a</i>   | "          | 127 52 42,18          | "               | 12 15                           | -6,97           | 35,78 | 52 15 0,57               | + 2,62         | + 4,9         | 763,8     | 1 17,44    | -18,96                | "                   | 52 15 59,05          |
| April 28 Arm Ost, Kr. B |                      |            |                       |                 |                                 |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                       | Nadir                | P          | o 7 37,36             | m               | 11 10                           | -1,01           | 36,35 |                          |                |               |           |            |                       |                     |                      |
| 2                       | <i>v</i> Leonis      | "          | 127 43 4,28           | b               | 11 32                           | -6,61           | 36,41 | 52 24 38,74              | + 4,07         | + 6,2         | 762,8     | 1 17,36    | -19,26                | 0,00                | 52 25 36,84          |
| 3                       | <i>β</i> Virginis    | "          | 130 18 56,95          | "               | 11 46                           | -6,95           | 36,44 | 49 48 46,44              | + 3,85         | + 5,9         | 762,7     | 1 10,58    | -18,57                | "                   | 49 49 38,45          |
| 4                       | <i>b</i> Virginis    | "          | 132 11 56,30          | "               | 11 55                           | -7,27           | 36,47 | 47 55 47,44              | + 3,63         | + 5,7         | 762,6     | 1 6,11     | -18,07                | "                   | 47 56 35,48          |
| 5                       | Jupiter I <i>a</i>   | "          | 127 52 41,87          | "               | 12 15                           | -6,97           | 36,52 | 52 15 1,62               | + 3,15         | + 5,3         | 762,3     | 1 17,14    | -18,83                | "                   | 52 15 59,93          |
| 6                       | " <i>c</i>           | "          | 128 21 34,15          | "               | 12 22                           | -7,18           | 36,54 | 51 46 9,57               | + 2,98         | + 5,1         | 762,3     | 1 15,86    | -18,63                | "                   | 51 47 6,80           |
| 7                       | " <i>e</i>           | "          | 127 18 35,65          | "               | 12 25*                          | -6,53           | 36,55 | 52 49 7,43               | + 2,92         | + 5,0         | 762,2     | 1 18,79    | -18,79                | "                   | 52 50 7,43           |
| 8                       | " <i>g</i>           | "          | 127 8 1,75            | "               | 12 30*                          | -6,51           | 36,56 | 52 59 41,32              | + 2,80         | + 4,9         | 762,2     | 1 19,33    | -18,73                | "                   | 53 0 41,92           |
| 9                       | P. XII 170           | "          | 125 41 48,52          | "               | 12 40                           | -7,44           | 36,59 | 54 25 55,51              | + 2,56         | + 4,7         | 762,1     | 1 23,66    | -18,78                | "                   | 54 27 0,39           |
| 10                      | <i>β</i> Virginis    | "          | 132 6 21,30           | "               | 12 43                           | -7,19           | 36,60 | 48 1 22,49               | + 2,48         | + 4,6         | 762,0     | 1 6,56     | -17,60                | "                   | 48 2 11,45           |
| 11                      | <i>β</i> Virginis    | "          | 131 35 16,38          | "               | 12 47*                          | -7,21           | 36,60 | 48 32 27,43              | + 2,39         | + 4,5         | 762,0     | 1 7,80     | -17,63                | "                   | 48 33 17,60          |
| II                      | Nadir                | "          | o 7 37,99             | m               | 15 5                            | -1,02           | 36,97 |                          |                |               |           |            |                       |                     |                      |
| Mai 1 Arm Ost, Kr. B    |                      |            |                       |                 |                                 |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                       | Nadir                | B          | o 7 37,63             | m               | 13 15                           | -1,02           | 36,61 |                          |                |               |           |            |                       |                     |                      |
| 1                       | 83 Virginis          | "          | 112 19 56,12          | b               | 13 40                           | -6,63           | 36,77 | 67 47 47,28              | + 5,91         | + 7,7         | 766,0     | 2 24,82    | -18,12                | 0,00                | 67 49 53,98          |
| 2                       | 89 Virginis          | "          | 110 22 34,68          | "               | 13 45                           | -6,28           | 36,80 | 69 45 8,40               | + 5,89         | + 7,7         | 766,0     | 2 40,02    | -17,94                | "                   | 69 47 30,48          |
| 3                       | 94 Virginis          | "          | 119 35 1,55           | "               | 14 2                            | -7,41           | 36,91 | 60 32 42,77              | + 5,81         | + 7,6         | 766,0     | 1 45,05    | -16,45                | "                   | 60 34 11,37          |
| 5                       | Jupiter II <i>a</i>  | "          | 116 37 55,95          | "               | 14 9                            | -6,37           | 36,95 | 63 29 47,37              | + 5,72         | + 7,5         | 766,0     | 1 58,88    | -16,21                | "                   | 63 31 30,04          |
| 6                       | " <i>c</i>           | "          | 115 5 36,80           | "               | 14 14                           | -6,84           | 36,99 | 65 2 7,03                | + 5,66         | + 7,5         | 766,0     | 2 7,28     | -15,97                | "                   | 65 3 58,34           |
| 7                       | " <i>f</i>           | "          | 116 47 10,62          | "               | 14 20                           | -7,01           | 37,02 | 63 20 33,41              | + 5,59         | + 7,5         | 765,9     | 1 58,13    | -15,58                | "                   | 63 22 15,96          |
| 8                       | " <i>g</i>           | "          | 115 5 41,68           | "               | 14 23                           | -6,86           | 37,04 | 65 2 2,22                | + 5,55         | + 7,4         | 765,9     | 2 7,31     | -15,45                | "                   | 65 3 54,08           |
| 10                      | M. 592               | "          | 116 7 22,10           | "               | 14 32                           | -7,11           | 37,10 | 64 0 22,11               | + 5,44         | + 7,4         | 765,9     | 2 1,67     | -14,86                | "                   | 64 2 8,92            |
| 11                      | 8 Librae             | "          | 112 25 42,02          | "               | 14 46                           | -6,75           | 37,19 | 67 42 1,92               | + 5,27         | + 7,4         | 765,9     | 2 24,46    | -13,98                | "                   | 67 44 12,40          |
| II                      | Nadir                | "          | o 7 38,33             | m               | 15 5                            | -1,02           | 37,31 |                          |                |               |           |            |                       |                     |                      |
| III                     | Nadir                | P          | o 7 38,71             | m               | 15 5                            | -1,02           | 37,69 |                          |                |               |           |            |                       |                     |                      |
| 14                      | 32 Librae            | "          | 111 38 38,65          | b               | 15 23*                          | -6,27           | 37,72 | 68 29 5,34               | + 5,30         | + 7,2         | 765,8     | 2 30,18    | -11,27                | "                   | 68 31 24,25          |
| 15                      | <i>γ</i> Librae      | "          | 113 33 8,25           | "               | 15 31                           | -6,69           | 37,73 | 66 34 36,17              | + 5,22         | + 7,1         | 765,8     | 2 16,88    | -10,87                | "                   | 66 36 42,18          |
| 16                      | <i>z</i> Librae      | "          | 108 39 52,92          | "               | 15 37                           | -6,82           | 37,74 | 71 27 51,64              | + 5,15         | + 7,0         | 765,8     | 2 56,20    | - 9,98                | "                   | 71 30 37,86          |
| 17                      | Jupiter III <i>ε</i> | "          | 106 49 49,85          | "               | 15 52                           | -6,54           | 37,76 | 73 17 54,45              | + 5,00         | + 6,9         | 765,8     | 3 16,55    | - 8,55                | "                   | 73 21 2,45           |
| 18                      | " <i>β</i>           | "          | 108 27 28,90          | "               | 15 58                           | -6,68*          | 37,77 | 71 40 15,55              | + 4,94         | + 6,9         | 765,7     | 2 58,40    | - 8,25                | "                   | 71 43 5,70           |
| 19                      | " <i>ij</i>          | "          | 107 37 29,00          | "               | 16 2                            | -6,19*          | 37,78 | 72 30 14,97              | + 4,90         | + 6,8         | 765,7     | 3 7,33     | - 7,85                | "                   | 72 33 14,45          |
| 20                      | " <i>ν</i>           | "          | 106 52 52,42          | "               | 16 8                            | -6,63           | 37,79 | 73 14 52,00              | + 4,83         | + 6,8         | 765,7     | 3 16,02    | - 7,18                | "                   | 73 18 0,84           |
| 21                      | " <i>t</i>           | "          | 108 9 57,88           | "               | 16 12                           | -6,63           | 37,80 | 71 57 46,55              | + 4,79         | + 6,7         | 765,7     | 3 1,54     | - 7,08                | "                   | 72 0 41,01           |
| 22                      | " <i>υ</i>           | "          | 106 25 37,72          | "               | 16 15                           | -7,00           | 37,80 | 73 42 7,08               | + 4,76         | + 6,7         | 765,7     | 3 21,71    | - 6,52                | "                   | 73 45 22,27          |
| 23                      | " <i>λ</i>           | "          | 108 24 51,48          | "               | 16 20                           | -6,62           | 37,81 | 71 42 52,95              | + 4,71         | + 6,7         | 765,7     | 2 59,00    | - 6,42                | "                   | 71 45 45,53          |
| 24                      | " <i>π</i>           | "          | 106 40 45,55          | "               | 16 24                           | -6,68           | 37,82 | 73 26 58,95              | + 4,67         | + 6,6         | 765,7     | 3 18,62    | - 5,83                | "                   | 73 30 11,74          |
| 25                      | " <i>z</i>           | "          | 107 29 9,98           | "               | 16 27                           | -6,81           | 37,82 | 72 38 34,65              | + 4,64         | + 6,6         | 765,7     | 3 9,07     | - 5,70                | "                   | 72 41 38,02          |
| 26                      | " <i>i</i>           | "          | 107 48 35,22          | "               | 16 35                           | -6,37           | 37,83 | 72 19 8,98               | + 4,56         | + 6,5         | 765,7     | 3 5,51     | - 5,08                | "                   | 72 22 9,41           |
| 27                      | " <i>σ</i>           | "          | 105 2 10,48           | "               | 16 40                           | -7,32           | 37,84 | 75 5 34,68               | + 4,50         | + 6,5         | 765,7     | 3 41,20    | - 4,21                | "                   | 75 9 11,67           |
| 28                      | 24 Ophiuchi          | "          | 105 2 32,38           | "               | 16 51*                          | -6,20           | 37,86 | 75 5 11,68               | + 4,41         | + 6,4         | 765,6     | 3 41,15    | - 3,21                | "                   | 75 8 49,62           |
| 29                      | <i>η</i> Ophiuchi    | "          | 112 24 42,35          | "               | 17 5                            | -6,62           | 37,88 | 67 43 2,15               | + 4,32         | + 6,3         | 765,6     | 2 25,05    | - 3,56                | "                   | 67 45 23,64          |
| 30                      | 36 Ophiuchi p.a.     | "          | 101 35 49,42          | "               | 17 10                           | -7,41           | 37,89 | 78 31 55,88              | + 4,29         | + 6,3         | 765,6     | 4 47,45    | - 0,89                | "                   | 78 36 42,44          |

April 26. Nach den ersten Sternen ganz bedeckt. April 28. Luft 2-3; (7) t + 5°; (8) t + 5°; (11) t + 5°. Mai I. Luft 3; (14) t + 10°; (18) Strich 30'; (19) Strich 40'; (23), (24) und (25) kaum sichtbar; (28) t + 20°.

| Nr.                   | Stern                | Beobachter | Mittel der Mikroskope | Horizontalafäden | Zeit H. 17         | Summe der Corr. | Nadir   | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Prae-cession | Zenithdistanz 1900,0 |
|-----------------------|----------------------|------------|-----------------------|------------------|--------------------|-----------------|---------|--------------------------|----------------|---------------|-----------|------------|-----------------------|----------------------|----------------------|
| 1900 Mai 1 (Forts.)   |                      |            |                       |                  |                    |                 |         |                          |                |               |           |            |                       |                      |                      |
| IV                    | Nadir                | P          | 0° 7' 38" 99          | m                | 18 <sup>h</sup> 00 | - 1" 02         | 37° 97' |                          |                |               |           |            |                       |                      |                      |
| Mai 4 Arm Ost, Kr. B  |                      |            |                       |                  |                    |                 |         |                          |                |               |           |            |                       |                      |                      |
| I                     | Nadir                | P          | 0 7 37,51             | m                | 12 40              | - 1,02          | 36,49   |                          |                |               |           |            |                       |                      |                      |
| 6                     | 83 Virginis          | "          | 112 19 53,62          | b                | 13 40              | - 6,63          | 36,47   | 67° 47' 49" 48           | + 9,42         | + 10,7        | 764,9     | 2' 22" 73  | - 18" 31              | 0' 00                | 67° 49' 53" 90       |
| 7                     | 89 Virginis          | "          | 110 22 31,78          | "                | 13 45              | - 6,28          | 36,47   | 69 45 10,97              | + 9,42         | + 10,7        | 764,9     | 2 37,70    | - 18,17               | "                    | 69 47 30,50          |
| 9                     | 94 Virginis          | "          | 119 34 59,62          | "                | 14 2               | - 7,41          | 36,47   | 60 32 44,26              | + 9,33         | + 10,7        | 764,9     | 1 43,52    | - 16,51               | "                    | 60 34 11,27          |
| 12                    | Jupiter II <i>b</i>  | "          | 116 23 59,12          | "                | 14 14              | - 6,61          | 36,46   | 63 43 43,95              | + 9,26         | + 10,6        | 764,8     | 1 58,31    | - 16,04               | "                    | 63 45 26,22          |
| 13                    | " <i>d</i>           | "          | 116 44 36,87          | "                | 14 19              | - 6,62          | 36,46   | 63 23 6,21               | + 9,24         | + 10,6        | 764,7     | 1 56,55    | - 15,76               | "                    | 63 24 47,00          |
| 15                    | " <i>g</i>           | "          | 115 5 37,90           | "                | 14 23              | - 6,85          | 36,46   | 65 2 5,41                | + 9,22         | + 10,6        | 764,7     | 2 5,37     | - 15,58               | "                    | 65 3 55,20           |
| 16                    | M. 592               | "          | 116 7 18,12           | "                | 14 32              | - 7,10          | 36,46   | 64 0 25,44               | + 9,17         | + 10,5        | 764,6     | 1 59,78    | - 14,97               | "                    | 64 2 10,25           |
| 17                    | 8 Librae             | "          | 112 25 38,30          | "                | 14 46*             | - 6,67          | 36,46   | 67 42 4,83               | + 9,09         | + 10,5        | 764,6     | 2 22,18    | - 14,14               | "                    | 67 44 12,87          |
| II                    | Nadir                | "          | 0 7 37,46             | m                | 15 10              | - 1,01          | 36,45   |                          |                |               |           |            |                       |                      |                      |
| Mai 10 Arm Ost, Kr. B |                      |            |                       |                  |                    |                 |         |                          |                |               |           |            |                       |                      |                      |
| I                     | Nadir                | P          | 0 7 38,29             | m                | 12 55              | - 1,02          | 37,27   |                          |                |               |           |            |                       |                      |                      |
| 9                     | 83 Virginis          | "          | 112 19 57,22          | b                | 13 40              | - 6,63          | 37,56   | 67 47 46,97              | + 4,65         | + 7,1         | 763,4     | 2 25,00    | - 18,40               | 0,00                 | 67 49 53,57          |
| 10                    | 89 Virginis          | "          | 110 22 35,32          | "                | 13 45*             | - 6,21          | 37,59   | 69 45 8,48               | + 4,55         | + 7,0         | 763,4     | 2 40,27    | - 18,33               | "                    | 69 47 30,42          |
| 11                    | 94 Virginis          | "          | 119 35 2,78           | "                | 14 2               | - 7,42          | 37,70   | 60 32 42,34              | + 4,31         | + 6,6         | 763,3     | 1 45,26    | - 16,34               | "                    | 60 34 11,26          |
| 12                    | Jupiter II <i>b</i>  | "          | 116 24 3,20           | "                | 14 14              | - 6,62          | 37,78   | 63 43 41,20              | + 4,25         | + 6,6         | 763,3     | 2 0,32     | - 15,99               | "                    | 63 45 25,53          |
| 13                    | " <i>d</i>           | "          | 116 44 40,15          | "                | 14 19              | - 6,63          | 37,81   | 63 23 4,29               | + 4,23         | + 6,6         | 763,3     | 1 58,54    | - 15,69               | "                    | 63 24 47,14          |
| 15                    | " <i>g</i>           | "          | 115 5 41,68           | "                | 14 23*             | - 6,80          | 37,84   | 65 2 2,96                | + 4,20         | + 6,6         | 763,3     | 2 7,52     | - 15,56               | "                    | 65 3 54,92           |
| 16                    | M. 592               | "          | 116 7 23,18           | "                | 14 32              | - 7,11          | 37,89   | 64 0 21,82               | + 4,16         | + 6,5         | 763,3     | 2 1,83     | - 14,91               | "                    | 64 2 8,74            |
| 17                    | 8 Librae             | "          | 112 25 41,98          | "                | 14 46*             | - 6,72          | 37,98   | 67 42 2,72               | + 4,09         | + 6,5         | 763,3     | 2 24,61    | - 14,21               | "                    | 67 44 13,12          |
| II                    | Nadir                | "          | 0 7 39,03             | m                | 14 50              | - 1,02          | 38,01   |                          |                |               |           |            |                       |                      |                      |
| III                   | Nadir                | B          | 0 7 38,50             | m                | 14 50              | - 1,02          | 37,48   |                          |                |               |           |            |                       |                      |                      |
| 20                    | 32 Librae            | "          | 111 38 39,60          | b                | 15 23              | - 6,34          | 37,48   | 68 29 4,22               | + 3,90         | + 6,3         | 763,3     | 2 30,47    | - 11,47               | "                    | 68 31 23,22          |
| 21                    | 7 Librae             | "          | 113 33 8,87           | "                | 15 31              | - 6,69          | 37,48   | 66 34 35,30              | + 3,86         | + 6,2         | 763,3     | 2 17,11    | - 10,95               | "                    | 66 36 41,46          |
| 22                    | 8 Librae             | "          | 108 39 53,70          | "                | 15 37              | - 6,82          | 37,48   | 71 27 50,60              | + 3,82         | + 6,2         | 763,3     | 2 56,49    | - 10,30               | "                    | 71 30 36,79          |
| 23                    | Jupiter III <i>η</i> | "          | 108 9 9,95            | "                | 15 48              | - 6,54          | 37,48   | 71 58 34,07              | + 3,75         | + 6,1         | 763,4     | 3 1,84     | - 9,33                | "                    | 72 1 26,58           |
| 24                    | " <i>α</i>           | "          | 108 29 20,22          | "                | 16 0               | - 6,84          | 37,48   | 71 38 24,10              | + 3,67         | + 6,0         | 763,4     | 2 58,40    | - 8,34                | "                    | 71 41 14,16          |
| 26                    | " <i>u</i>           | "          | 109 44 19,18          | "                | 16 10              | - 6,41          | 37,48   | 70 23 24,71              | + 3,62         | + 6,0         | 763,4     | 2 46,43    | - 7,66                | "                    | 70 26 3,48           |
| 27                    | " <i>s</i>           | "          | 108 2 54,30           | "                | 16 14              | - 6,83          | 37,48   | 72 4 50,01               | + 3,61         | + 5,9         | 763,4     | 3 3,95     | - 7,14                | "                    | 72 7 45,92           |
| 28                    | " <i>ξ</i>           | "          | 105 8 59,62           | "                | 16 18              | - 6,46          | 37,48   | 74 58 44,32              | + 3,60         | + 5,9         | 763,4     | 3 39,59    | - 6,53                | "                    | 75 2 17,38           |
| 29                    | " <i>ρ</i>           | "          | 109 47 18,72          | "                | 16 22              | - 6,82          | 37,48   | 70 20 25,58              | + 3,59         | + 5,9         | 763,4     | 2 46,01    | - 6,63                | "                    | 70 23 4,96           |
| 31                    | " <i>ρ</i>           | "          | 105 20 31,12          | "                | 16 33              | - 6,64          | 37,48   | 74 47 13,00              | + 3,56         | + 5,8         | 763,4     | 3 36,80    | - 5,16                | "                    | 74 50 44,64          |
| 32                    | " <i>h</i>           | "          | 108 17 22,87          | "                | 16 37              | - 6,97          | 37,48   | 71 50 21,58              | + 3,56         | + 5,8         | 763,4     | 3 0,54     | - 5,20                | "                    | 71 53 16,92          |
| 33                    | 24 Ophiuchi          | "          | 105 2 32,47           | "                | 16 51              | - 6,39          | 37,48   | 75 5 11,40               | + 3,51         | + 5,7         | 763,4     | 3 41,26    | - 3,46                | "                    | 75 8 49,20           |
| 34                    | 7 Ophiuchi           | "          | 112 24 42,72          | "                | 17 5               | - 6,63          | 37,48   | 67 43 1,39               | + 3,46         | + 5,7         | 763,3     | 2 25,08    | - 3,40                | "                    | 67 45 23,07          |
| Mai 14 Arm Ost, Kr. B |                      |            |                       |                  |                    |                 |         |                          |                |               |           |            |                       |                      |                      |
| I                     | Nadir                | P          | 0 7 38,34             | m                | 15 0               | - 1,02          | 37,32   |                          |                |               |           |            |                       |                      |                      |
| 7                     | 32 Librae            | "          | 111 38 37,85          | b                | 15 23              | - 6,34          | 37,38   | 68 29 5,87               | + 5,17         | + 7,4         | 762,3     | 2 29,56    | - 11,37               | 0,00                 | 68 31 24,06          |
| 8                     | 7 Librae             | "          | 113 33 8,48           | "                | 15 31*             | - 6,62          | 37,40   | 66 34 35,54              | + 5,15         | + 7,3         | 762,3     | 2 16,27    | - 10,80               | "                    | 66 36 41,01          |
| 9                     | 8 Librae             | "          | 108 39 51,22          | "                | 15 37              | - 6,81          | 37,42   | 71 27 53,01              | + 5,13         | + 7,3         | 762,3     | 2 55,39    | - 10,26               | "                    | 71 30 38,14          |
| 10                    | Jupiter III <i>ξ</i> | "          | 108 55 52,22          | "                | 15 50*             | - 7,05          | 37,45   | 71 11 52,28              | + 5,09         | + 7,2         | 762,3     | 2 52,81    | - 9,17                | "                    | 71 14 35,92          |
| 11                    | " <i>γ</i>           | "          | 107 9 3,18            | "                | 15 56              | - 6,58          | 37,47   | 72 58 40,87              | + 5,07         | + 7,1         | 762,3     | 3 11,77    | - 8,58                | "                    | 73 1 44,06           |
| 12                    | " <i>z</i>           | "          | 106 27 39,37          | "                | 16 1               | - 6,77          | 37,48   | 73 40 4,88               | + 5,05         | + 7,1         | 762,3     | 3 20,16    | - 8,14                | "                    | 73 43 16,90          |

Mai 4. Luft 4, Sterne wie grosse Nebel, Beob. schwierig; (17) t + 10°. Mai 10. Beob. P. Luft 3; (10) t + 10°; (15) t + 10°; (17) t + 5°. Beob. B. Luft zuerst 4, nachher 5; alles unsicher; deshalb keine Nadirbestimmung am Schlusse; (28), (31), (32) und (33) äusserst unsicher. Mai 14. Luft 3, nachher 4; (8) t + 10°; (10) t + 5°.

| Nr.                   | Stern            | Beobachter | Mittel der Mikroskope | Horizontalfäden                  | Zeit H. 17 | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|-----------------------|------------------|------------|-----------------------|----------------------------------|------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1900 Mai 14 (Forts.)  |                  |            |                       |                                  |            |                 |        |                          |                |               |           |            |                       |                     |                      |
| 14                    | Jupiter III      | w          | P 108° 49' 7" 62      | b 16 <sup>b</sup> 7 <sup>m</sup> |            | - 6" 45         | 37" 50 | 71° 18' 36" 33           | + 5,03         | + 7,0         | 762,3     | 2' 53" 94  | - 7" 72               | 0" 00               | 71° 21' 22" 55       |
| 15                    | "                | μ          | " 105 54 7,75         | " 16 10                          |            | - 6,93          | 37,51  | 74 13 36,69              | + 5,03         | + 7,0         | 762,3     | 3 27,47    | - 7,29                | "                   | 74 16 56,87          |
| 16                    | "                | τ          | " 109 34 6,22         | " 16 15                          |            | - 6,58          | 37,52  | 70 33 37,88              | + 5,01         | + 6,9         | 762,3     | 2 46,88    | - 7,04                | "                   | 70 36 17,72          |
| 17                    | "                | q          | " 108 13 5,25         | " 16 19*                         |            | - 6,31          | 37,53  | 71 54 38,59              | + 5,00         | + 6,9         | 762,3     | 3 0,04     | - 6,63                | "                   | 71 57 32,00          |
| 18                    | "                | o          | " 106 8 8,62          | " 16 22*                         |            | - 6,80          | 37,54  | 73 59 35,72              | + 4,99         | + 6,9         | 762,3     | 3 24,40    | - 6,18                | "                   | 74 2 53,94           |
| 19                    | "                | n          | " 106 46 26,50        | " 16 27                          |            | - 6,89          | 37,56  | 73 21 17,95              | + 4,97         | + 6,8         | 762,3     | 3 16,35    | - 5,80                | "                   | 73 24 28,50          |
| 20                    | "                | l          | " 109 33 8,95         | " 16 30                          |            | - 6,50          | 37,56  | 70 34 35,11              | + 4,96         | + 6,8         | 762,3     | 2 47,04    | - 5,75                | "                   | 70 37 16,40          |
| 21                    | "                | ω          | " 109 23 37,00        | " 16 33                          |            | - 6,46          | 37,58  | 70 44 7,04               | + 4,96         | + 6,8         | 762,3     | 2 48,51    | - 5,47                | "                   | 70 46 50,08          |
| 22                    | "                | d          | " 106 21 6,68         | " 16 44                          |            | - 6,89          | 37,60  | 73 46 37,81              | + 4,93         | + 6,7         | 762,3     | 3 21,65    | - 4,19                | "                   | 73 49 55,27          |
| 23                    | 24 Ophiuchi      | "          | " 105 2 30,25         | " 16 51                          |            | - 6,39          | 37,62  | 75 5 13,76               | + 4,94         | + 6,7         | 762,3     | 3 39,76    | - 3,37                | "                   | 75 8 50,15           |
| 24                    | η Ophiuchi       | "          | " 112 24 40,52        | " 17 5                           |            | - 6,62          | 37,66  | 67 43 3,76               | + 4,97         | + 6,7         | 762,3     | 2 24,08    | - 3,14                | "                   | 67 45 24,70          |
| 25                    | 36 Ophiuchi p.a. | "          | " 101 35 46,05        | " 17 10                          |            | - 7,40          | 37,67  | 78 31 59,02              | + 4,97         | + 6,7         | 762,3     | 4 45,48    | - 1,17                | "                   | 78 36 43,33          |
| II                    | Nadir            | "          | " 0 7 38,76           | m 17 35                          |            | - 1,02          | 37,74  |                          |                |               |           |            |                       |                     |                      |
| Mai 15 Arm Ost, Kr. B |                  |            |                       |                                  |            |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                     | Nadir            | P          | " 0 7 38,26           | m 12 35                          |            | - 1,02          | 37,24  |                          |                |               |           |            |                       |                     |                      |
| 3                     | 83 Virginis      | "          | " 112 19 56,22        | b 13 40                          |            | - 6,63          | 37,46  | 67 47 47,87              | + 5,62         | + 7,4         | 763,8     | 2 24,56    | - 18,40               | 0,00                | 67 49 54,03          |
| 4                     | 89 Virginis      | "          | " 110 22 34,10        | " 13 45                          |            | - 6,28          | 37,47  | 69 45 9,65               | + 5,62         | + 7,4         | 763,8     | 2 39,73    | - 18,38               | "                   | 69 47 31,00          |
| 7                     | 94 Virginis      | "          | " 119 35 2,23         | " 14 2                           |            | - 7,41          | 37,52  | 60 32 42,70              | + 5,61         | + 7,3         | 763,7     | 1 44,81    | - 16,12               | "                   | 60 34 11,39          |
| 8                     | Jupiter II       | b          | " 116 24 3,75         | " 14 14                          |            | - 6,62          | 37,56  | 63 43 40,43              | + 5,59         | + 7,3         | 763,7     | 1 59,78    | - 15,84               | "                   | 63 45 24,37          |
| 9                     | "                | e          | " 115 31 1,50         | " 14 19                          |            | - 7,01          | 37,58  | 64 36 43,09              | + 5,58         | + 7,2         | 763,7     | 2 4,55     | - 15,64               | "                   | 64 38 32,00          |
| 10                    | "                | g          | " 115 5 41,40         | " 14 23                          |            | - 6,86          | 37,60  | 65 2 3,06                | + 5,58         | + 7,2         | 763,6     | 2 6,92     | - 15,45               | "                   | 65 3 54,53           |
| 11                    | M. 592           | "          | " 116 7 22,55         | " 14 32                          |            | - 7,11          | 37,62  | 64 0 22,18               | + 5,56         | + 7,2         | 763,6     | 2 1,25     | - 14,75               | "                   | 64 2 8,68            |
| 12                    | 8 Librac         | "          | " 112 25 41,75        | " 14 46                          |            | - 6,75          | 37,66  | 67 42 2,66               | + 5,54         | + 7,1         | 763,6     | 2 23,89    | - 14,14               | "                   | 67 44 12,41          |
| II                    | Nadir            | "          | " 0 7 38,73           | m 15 0                           |            | - 1,02          | 37,71  |                          |                |               |           |            |                       |                     |                      |
| III                   | Nadir            | B          | " 0 7 38,46           | m 15 0                           |            | - 1,02          | 37,44  |                          |                |               |           |            |                       |                     |                      |
| 15                    | 32 Librac        | "          | " 111 38 25,00        | a 15 23                          |            | + 6,10          | 37,40  | 68 29 6,30               | + 5,24         | + 6,9         | 763,5     | 2 29,80    | - 11,37               | "                   | 68 31 24,73          |
| 16                    | γ Librac         | "          | " 113 32 56,45        | " 15 31                          |            | + 5,75          | 37,38  | 66 34 35,18              | + 5,16         | + 6,9         | 763,4     | 2 16,47    | - 10,78               | "                   | 66 36 40,87          |
| 17                    | z Librac         | "          | " 108 39 40,47        | " 15 37                          |            | + 5,63          | 37,37  | 71 27 51,27              | + 5,09         | + 6,8         | 763,4     | 2 55,68    | - 10,27               | "                   | 71 30 36,68          |
| 18                    | Jupiter III      | η          | " 108 8 58,37         | " 15 48                          |            | + 5,90          | 37,35  | 71 58 33,08              | + 4,99         | + 6,7         | 763,3     | 3 0,97     | - 9,30                | "                   | 72 1 24,75           |
| 19                    | "                | δ          | " 108 21 56,10        | " 15 54                          |            | + 5,48          | 37,34  | 71 45 35,76              | + 4,95         | + 6,7         | 763,3     | 2 58,75    | - 8,80                | "                   | 71 48 25,71          |
| 20                    | "                | α          | " 108 29 6,95         | " 16 0                           |            | + 5,60          | 37,32  | 71 38 24,77              | + 4,90         | + 6,6         | 763,3     | 2 57,56    | - 8,27                | "                   | 71 41 14,06          |
| 21                    | "                | v          | " 107 25 18,20        | " 16 2                           |            | + 5,54          | 37,32  | 72 42 13,48              | + 4,89         | + 6,6         | 763,3     | 3 9,00     | - 8,05                | "                   | 72 45 14,43          |
| 22                    | "                | u          | " 109 44 5,50         | " 16 10                          |            | + 6,04          | 37,31  | 70 23 25,77              | + 4,84         | + 6,6         | 763,3     | 2 45,66    | - 7,53                | "                   | 70 26 3,90           |
| 23                    | "                | s          | " 108 2 40,62         | " 16 14                          |            | + 5,61          | 37,30  | 72 4 51,07               | + 4,80         | + 6,5         | 763,3     | 3 2,21     | - 7,05                | "                   | 72 7 46,23           |
| 24                    | "                | ξ          | " 105 8 45,82         | " 16 18                          |            | + 5,98          | 37,29  | 74 58 45,49              | + 4,78         | + 6,5         | 763,3     | 3 38,58    | - 6,53                | "                   | 75 2 17,54           |
| 25                    | "                | ρ          | " 109 47 4,52         | " 16 22                          |            | + 5,64          | 37,28  | 70 20 27,12              | + 4,74         | + 6,4         | 763,3     | 2 45,28    | - 6,48                | "                   | 70 23 5,92           |
| 26                    | "                | σ          | " 109 33 40,05        | " 16 25                          |            | + 5,88          | 37,28  | 70 33 51,35              | + 4,73         | + 6,4         | 763,3     | 2 47,31    | - 6,23                | "                   | 70 36 32,43          |
| 27                    | "                | m          | " 108 17 10,80        | " 16 30                          |            | + 5,49          | 37,27  | 71 50 20,98              | + 4,69         | + 6,4         | 763,3     | 2 59,72    | - 5,68                | "                   | 71 53 15,02          |
| 28                    | "                | ρ          | " 105 20 18,05        | " 16 33                          |            | + 5,80          | 37,26  | 74 47 13,41              | + 4,67         | + 6,4         | 763,3     | 3 35,88    | - 5,11                | "                   | 74 50 44,18          |
| 29                    | "                | h          | " 108 17 9,15         | " 16 37                          |            | + 5,49          | 37,25  | 71 50 22,61              | + 4,64         | + 6,4         | 763,3     | 2 59,78    | - 5,06                | "                   | 71 53 17,33          |
| 30                    | "                | d          | " 106 20 54,75        | " 16 44                          |            | + 5,55          | 37,24  | 73 46 36,94              | + 4,59         | + 6,4         | 763,3     | 3 22,18    | - 4,18                | "                   | 73 49 54,94          |
| 31                    | 24 Ophiuchi      | "          | " 105 2 20,25         | " 16 51                          |            | + 5,07          | 37,23  | 75 5 11,91               | + 4,56         | + 6,3         | 763,3     | 3 40,36    | - 3,37                | "                   | 75 8 48,90           |
| 32                    | η Ophiuchi       | "          | " 112 24 29,87        | " 17 5                           |            | + 5,82          | 37,20  | 67 43 1,51               | + 4,52         | + 6,3         | 763,2     | 2 24,49    | - 3,08                | "                   | 67 45 22,92          |
| 33                    | 36 Ophiuchi p.a. | "          | " 101 35 35,05        | " 17 10                          |            | + 5,05          | 37,19  | 78 31 57,09              | + 4,50         | + 6,3         | 763,2     | 4 46,34    | - 1,17                | "                   | 78 36 42,26          |
| IV                    | Nadir            | "          | " 0 7 38,14           | m 17 45                          |            | - 1,02          | 37,12  |                          |                |               |           |            |                       |                     |                      |

Mai 14. (14) nicht doppelt gesehen; (15) sehr schwach; (17) τ + 15<sup>s</sup>; (18) τ + 5<sup>s</sup>; (20) kaum sichtbar; (25) die beiden Componenten fließen zu einem länglichen Nebel zusammen, in dem bisweilen zwei Kerne sichtbar sind. Mai 15. Luft zuerst 2-3, nachher 3-4; (24) schwach, unsicher; (33) beide Componenten fließen zusammen, Beobachtung ganz unzuverlässig.

| Nr.                               | Stern           | Beobachter | Mittel der Mikroskope | Horizontalfaden | Zeit H. 17                      | Summe der Corr. | Nadir | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|-----------------------------------|-----------------|------------|-----------------------|-----------------|---------------------------------|-----------------|-------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| <b>1900 Mai 26 Arm Ost, Kr. B</b> |                 |            |                       |                 |                                 |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                                 | Nadir           | P          | 0° 7' 36"79           | m               | 12 <sup>h</sup> 35 <sup>m</sup> | - 1"01          | 35"78 |                          |                |               |           |            |                       |                     |                      |
| 4                                 | 83 Virginis     | "          | 112 19 55,40          | b               | 13 40                           | - 6,63          | 36,25 | 67° 47' 47"48            | + 7,49         | + 9,6         | 770,5     | 2' 24"79   | - 18"46               | 0"00                | 67° 49' 53"81        |
| 5                                 | 89 Virginis     | "          | 110 22 35,12          | "               | 13 45                           | - 6,29          | 36,29 | 69 45 7,46               | + 7,44         | + 9,5         | 770,5     | 2 40,00    | - 18,55               | "                   | 69 47 28,91          |
| 9                                 | Jupiter II c    | "          | 115 5 37,25           | "               | 14 14                           | - 6,85          | 36,50 | 65 2 6,10                | + 7,07         | + 9,3         | 770,5     | 2 7,34     | - 15,87               | "                   | 65 3 57,57           |
| 10                                | " e             | "          | 115 31 2,30           | "               | 14 19                           | - 7,01          | 36,53 | 64 36 41,24              | + 7,01         | + 9,3         | 770,5     | 2 4,97     | - 15,50               | "                   | 64 38 30,71          |
| 12                                | M. 592          | "          | 116 7 22,63           | "               | 14 32                           | - 7,11          | 36,63 | 64 0 21,11               | + 6,85         | + 9,1         | 770,5     | 2 1,74     | - 14,55               | "                   | 64 2 8,30            |
| 13                                | 8 Librae        | "          | 112 25 40,85          | "               | 14 46                           | - 6,74          | 36,73 | 67 42 2,62               | + 6,68         | + 9,0         | 770,5     | 2 24,55    | - 14,16               | "                   | 67 44 13,01          |
| II                                | Nadir           | "          | 0 7 37,89             | m               | 15 5                            | - 1,02          | 36,87 |                          |                |               |           |            |                       |                     |                      |
| <b>Juni 3 Arm Ost, Kr. B</b>      |                 |            |                       |                 |                                 |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                                 | Nadir           | P          | 0 7 37,86             | m               | 14 55                           | - 1,02          | 36,84 |                          |                |               |           |            |                       |                     |                      |
| 2                                 | 32 Librae       | "          | 111 38 29,12          | b               | 15 23                           | - 6,29          | 36,80 | 68 29 13,97              | + 17,09        | + 17,0        | 760,3     | 2 22,77    | - 11,41               | 0,00                | 68 31 25,33          |
| 3                                 | γ Librae        | "          | 113 33 0,02           | "               | 15 31                           | - 6,63          | 36,79 | 66 34 43,40              | + 17,06        | + 17,0        | 760,3     | 2 10,09    | - 10,58               | "                   | 66 36 42,91          |
| 4                                 | κ Librae        | "          | 108 39 43,10          | "               | 15 37                           | - 6,79          | 36,78 | 71 28 0,47               | + 17,03        | + 17,0        | 760,3     | 2 47,42    | - 10,59               | "                   | 71 30 37,30          |
| 5                                 | Jupiter III ε   | "          | 106 49 37,55          | "               | 15 52                           | - 6,50          | 36,76 | 73 18 5,71               | + 16,96        | + 16,9        | 760,3     | 3 6,68     | - 9,38                | "                   | 73 21 3,01           |
| 6                                 | " β             | "          | 108 27 18,78          | "               | 15 58                           | - 7,03          | 36,75 | 71 40 25,00              | + 16,94        | + 16,9        | 760,3     | 2 49,47    | - 8,70                | "                   | 71 43 5,77           |
| 7                                 | " δ             | "          | 107 37 18,02          | "               | 16 2                            | - 7,13          | 36,75 | 72 30 25,86              | + 16,92        | + 16,9        | 760,2     | 2 57,90    | - 8,43                | "                   | 72 33 15,33          |
| 8                                 | " γ             | "          | 106 52 39,70          | "               | 16 9                            | - 6,57          | 36,73 | 73 15 3,60               | + 16,89        | + 16,9        | 760,2     | 3 6,13     | - 7,83                | "                   | 73 18 1,90           |
| 9                                 | " t             | "          | 108 9 47,10           | "               | 16 12                           | - 6,60          | 36,73 | 71 57 56,23              | + 16,88        | + 16,9        | 760,2     | 2 52,35    | - 7,44                | "                   | 72 0 41,14           |
| 10                                | " υ             | "          | 106 25 27,15          | "               | 16 16                           | - 6,98          | 36,73 | 73 42 16,56              | + 16,86        | + 16,9        | 760,2     | 3 11,47    | - 7,18                | "                   | 73 45 20,85          |
| 11                                | " λ             | "          | 108 24 40,60          | "               | 16 20                           | - 6,59          | 36,72 | 71 43 2,71               | + 16,84        | + 16,8        | 760,2     | 2 49,93    | - 6,64                | "                   | 71 45 46,00          |
| 12                                | " π             | "          | 106 40 33,58          | "               | 16 24                           | - 6,66          | 36,71 | 73 27 9,79               | + 16,83        | + 16,8        | 760,2     | 3 8,50     | - 6,34                | "                   | 73 30 11,95          |
| 13                                | " κ             | "          | 107 28 59,27          | "               | 16 27                           | - 6,77          | 36,71 | 72 38 44,21              | + 16,81        | + 16,8        | 760,2     | 2 59,44    | - 6,01                | "                   | 72 41 37,64          |
| 14                                | " i             | "          | 107 48 24,48          | "               | 16 35                           | - 6,33          | 36,70 | 72 19 18,55              | + 16,78        | + 16,8        | 760,2     | 2 56,04    | - 5,22                | "                   | 72 22 9,37           |
| 15                                | " σ             | "          | 105 1 56,70           | "               | 16 40                           | - 7,32          | 36,69 | 75 5 47,31               | + 16,76        | + 16,8        | 760,2     | 3 29,81    | - 4,82                | "                   | 75 9 12,30           |
| 16                                | 24 Ophiuchi     | "          | 105 2 18,92           | "               | 16 52                           | - 7,40          | 36,67 | 75 5 25,15               | + 16,70        | + 16,7        | 760,2     | 3 29,78    | - 3,65                | "                   | 75 8 51,28           |
| 18                                | η Ophiuchi      | "          | 112 24 33,40          | "               | 17 5                            | - 6,60          | 36,66 | 67 43 9,86               | + 16,61        | + 16,7        | 760,2     | 2 17,64    | - 2,44                | "                   | 67 45 25,06          |
| 19                                | 36 Ophiuchip.a. | "          | 101 35 28,72          | "               | 17 10                           | - 7,37          | 36,65 | 78 32 15,30              | + 16,59        | + 16,7        | 760,2     | 4 32,54    | - 1,67                | "                   | 78 36 46,17          |
| II                                | Nadir           | "          | 0 7 37,64             | m               | 17 30                           | - 1,02          | 36,62 |                          |                |               |           |            |                       |                     |                      |
| <b>Juni 11 Arm Ost, Kr. B</b>     |                 |            |                       |                 |                                 |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                                 | Nadir           | P          | 0 7 36,25             | m               | 14 55                           | - 1,01          | 35,24 |                          |                |               |           |            |                       |                     |                      |
| 4                                 | 32 Librae       | "          | 111 38 27,05          | b               | 15 23                           | - 6,29          | 35,14 | 68 29 14,38              | + 19,99        | + 20,1        | 763,0     | 2 21,77    | - 11,11               | 0,00                | 68 31 25,04          |
| 5                                 | γ Librae        | "          | 113 32 58,22          | "               | 15 31                           | - 6,63          | 35,12 | 66 34 43,53              | + 19,95        | + 20,1        | 763,0     | 2 9,19     | - 10,19               | "                   | 66 36 42,53          |
| 6                                 | κ Librae        | "          | 108 39 39,80          | "               | 15 37                           | - 6,78          | 35,09 | 71 28 2,07               | + 19,91        | + 20,0        | 763,0     | 2 46,27    | - 10,41               | "                   | 71 30 37,93          |
| 7                                 | Jupiter III η   | "          | 108 8 56,72           | "               | 15 48                           | - 6,49          | 35,06 | 71 58 44,83              | + 19,84        | + 20,0        | 763,0     | 2 51,26    | - 9,46                | "                   | 72 1 26,63           |
| 8                                 | " ε             | "          | 106 49 33,95          | "               | 15 52                           | - 6,50          | 35,04 | 73 18 7,59               | + 19,82        | + 20,0        | 763,0     | 3 5,40     | - 9,27                | "                   | 73 21 3,72           |
| 9                                 | " x             | "          | 107 25 16,20          | "               | 16 2                            | - 6,78          | 35,00 | 72 42 25,58              | + 19,76        | + 20,0        | 763,0     | 2 58,83    | - 8,24                | "                   | 72 45 16,17          |
| 10                                | " υ             | "          | 108 48 54,68          | "               | 16 7                            | - 6,40          | 34,99 | 71 18 46,71              | + 19,74        | + 19,9        | 763,0     | 2 44,93    | - 7,65                | "                   | 71 21 23,99          |
| 11                                | " t             | "          | 108 9 44,05           | "               | 16 12                           | - 6,59          | 34,97 | 71 57 57,51              | + 19,71        | + 19,9        | 763,0     | 2 51,21    | - 7,25                | "                   | 72 0 41,47           |
| 12                                | " υ             | "          | 106 25 22,58          | "               | 16 16                           | - 6,98          | 34,95 | 73 42 19,35              | + 19,69        | + 19,9        | 763,0     | 3 10,20    | - 7,06                | "                   | 73 45 22,49          |
| 13                                | " q             | "          | 108 12 52,13          | "               | 16 19                           | - 6,37          | 34,95 | 71 54 49,19              | + 19,67        | + 19,9        | 763,0     | 2 50,72    | - 6,57                | "                   | 71 57 33,34          |
| 14                                | " n             | "          | 106 46 11,12          | "               | 16 27                           | - 6,87          | 34,92 | 73 21 30,67              | + 19,61        | + 19,9        | 763,0     | 3 6,17     | - 5,92                | "                   | 73 24 30,92          |
| 15                                | " p             | "          | 105 20 12,78          | "               | 16 33                           | - 6,61          | 34,90 | 74 47 28,73              | + 19,59        | + 19,8        | 763,0     | 3 24,18    | - 5,41                | "                   | 74 50 47,50          |
| 16                                | " h             | "          | 108 17 6,87           | "               | 16 37*                          | - 6,88          | 34,88 | 71 50 34,89              | + 19,56        | + 19,8        | 763,0     | 2 50,10    | - 4,86                | "                   | 71 53 20,13          |
| 17                                | 24 Ophiuchi     | "          | 105 2 16,78           | "               | 16 52                           | - 7,38          | 34,83 | 75 5 25,43               | + 19,48        | + 19,8        | 763,0     | 3 28,40    | - 3,55                | "                   | 75 8 50,28           |

Mai 26. Luft 2-3. Juni 3. Luft 3-4; schwache Sterne kaum sichtbar. Juni 11. Luft 3, nachher 4, neblig; schwache Sterne sehr schwierig; (16) t + 10°.

| Nr.                           | Stern                  | Beobachter | Mittel der Mikroskope | Horizontalfaden | Zeit H. 17                     | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|-------------------------------|------------------------|------------|-----------------------|-----------------|--------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| <b>1900 Juni 11 (Forts.)</b>  |                        |            |                       |                 |                                |                 |        |                          |                |               |           |            |                       |                     |                      |
| 19                            | $\eta$ Ophiuchi        | P          | 112° 24' 31" 32       | b               | 17 <sup>b</sup> 5 <sup>m</sup> | -6" 59          | 34" 79 | 67° 43' 10" 06           | +19,40         | +19,7         | 763,0     | 2' 16" 75  | - 1" 96               | 0" 00               | 67° 45' 24" 85       |
| 20                            | 36 Ophiuchi p.a.       | "          | 101 35 27,00          | "               | 17 10                          | -7,36           | 34,77  | 78 32 15,13              | +19,37         | +19,7         | 763,0     | 4 30,74    | - 1,70                | "                   | 78 36 44,17          |
| <b>Juli 3 Arm Ost, Kr. B</b>  |                        |            |                       |                 |                                |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                             | Nadir                  | P          | o 7 36,86             | m               | 15 0                           | -1,01           | 35,85  |                          |                |               |           |            |                       |                     |                      |
| 2                             | 32 Librac              | "          | 111 38 33,08          | b               | 15 23                          | -6,30           | 35,84  | 68 29 9,06               | +13,20         | +15,1         | 760,9     | 2 24,88    | -10,69                | 0,00                | 68 31 23,25          |
| 3                             | $\gamma$ Librac        | "          | 113 33 3,52           | "               | 15 31                          | -6,64           | 35,84  | 66 34 38,96              | +13,10         | +15,0         | 760,9     | 2 12,05    | - 9,57                | "                   | 66 36 41,44          |
| 4                             | $\kappa$ Librac        | "          | 108 39 45,42          | "               | 15 37                          | -6,79           | 35,84  | 71 27 57,21              | +13,02         | +14,9         | 760,9     | 2 49,98    | -10,31                | "                   | 71 30 36,88          |
| 5                             | Jupiter III $\epsilon$ | "          | 106 49 40,75          | "               | 15 52                          | -6,51           | 35,84  | 73 18 1,60               | +12,83         | +14,8         | 760,9     | 3 9,61     | - 9,38                | "                   | 73 21 1,83           |
| 6                             | " $\beta$              | "          | 108 27 21,25          | "               | 15 58                          | -7,03           | 35,83  | 71 40 21,61              | +12,75         | +14,7         | 760,9     | 2 52,18    | - 8,43                | "                   | 71 43 5,36           |
| 7                             | " $j$                  | "          | 107 37 20,58          | "               | 16 2                           | -7,14           | 35,83  | 72 30 22,39              | +12,70         | +14,7         | 760,9     | 3 0,79     | - 8,28                | "                   | 72 33 14,90          |
| 8                             | " $\nu$                | "          | 106 52 43,65          | "               | 16 9*                          | -6,53           | 35,83  | 73 14 58,71              | +12,60         | +14,6         | 760,9     | 3 9,20     | - 7,79                | "                   | 73 18 0,12           |
| 9                             | " $t$                  | "          | 108 9 49,10           | "               | 16 12*                         | -6,57           | 35,83  | 71 57 53,30              | +12,56         | +14,6         | 760,9     | 2 55,22    | - 7,19                | "                   | 72 0 41,33           |
| 10                            | " $\nu$                | "          | 106 25 28,42          | "               | 16 16                          | -6,99           | 35,83  | 73 42 14,40              | +12,52         | +14,6         | 760,9     | 3 14,68    | - 7,20                | "                   | 73 45 21,88          |
| 11                            | " $\pi$                | "          | 106 40 36,10          | "               | 16 24                          | -6,66           | 35,83  | 73 27 6,39               | +12,42         | +14,5         | 760,9     | 3 11,70    | - 6,30                | "                   | 73 30 11,79          |
| 12                            | " $n$                  | "          | 106 46 18,48          | "               | 16 27                          | -6,90           | 35,83  | 73 21 24,25              | +12,37         | +14,5         | 760,9     | 3 10,60    | - 6,00                | "                   | 73 24 28,85          |
| 13                            | " $i$                  | "          | 107 48 27,22          | "               | 16 36                          | -6,33           | 35,82  | 72 19 14,93              | +12,25         | +14,4         | 760,9     | 2 59,11    | - 4,95                | "                   | 72 22 9,09           |
| 14                            | 24 Ophiuchi            | "          | 105 2 24,18           | "               | 16 52                          | -6,33*          | 35,82  | 75 5 17,97               | +12,04         | +14,3         | 760,9     | 3 33,54    | - 3,78                | "                   | 75 8 47,73           |
| 16                            | $\eta$ Ophiuchi        | "          | 112 24 36,65          | "               | 17 6                           | -6,60           | 35,82  | 67 43 5,77               | +12,00         | +14,1         | 760,9     | 2 20,06    | - 1,23                | "                   | 67 45 24,60          |
| 17                            | 36 Ophiuchi p.a.       | "          | 101 35 35,08          | "               | 17 10                          | -7,38           | 35,82  | 78 32 8,12               | +12,00         | +14,0         | 760,9     | 4 37,43    | - 2,32                | "                   | 78 36 43,23          |
| 18                            | Saturn I $a$           | "          | 107 1 9,05            | "               | 17 16                          | -7,34           | 35,81  | 73 6 34,10               | +12,00         | +13,9         | 760,9     | 3 7,99     | - 0,95                | "                   | 73 9 41,14           |
| 19                            | " $c$                  | "          | 106 40 39,90          | "               | 17 20                          | -6,67           | 35,81  | 73 27 2,58               | +12,00         | +13,9         | 760,9     | 3 12,00    | - 0,60                | "                   | 73 30 13,98          |
| 20                            | " $e$                  | "          | 108 37 39,27          | "               | 17 25                          | -6,56           | 35,81  | 71 30 3,10               | +12,01         | +13,8         | 760,9     | 2 50,97    | + 0,17                | "                   | 71 32 54,24          |
| 21                            | X Sagittarii           | "          | 100 16 1,18           | "               | 17 42                          | -6,83           | 35,81  | 79 51 41,46              | +12,02         | +13,7         | 761,0     | 5 12,44    | + 1,15                | "                   | 79 56 55,05          |
| 23                            | M. 722                 | "          | 109 14 5,75           | "               | 17 51                          | -6,44           | 35,81  | 70 53 36,50              | +12,02         | +13,6         | 761,0     | 2 45,27    | + 2,91                | "                   | 70 56 24,68          |
| <b>Juli 10 Arm Ost, Kr. B</b> |                        |            |                       |                 |                                |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                             | Nadir                  | "          | o 7 36,81             | m               | 18 10                          | -1,01           | 35,80  |                          |                |               |           |            |                       |                     |                      |
| 6                             | 24 Ophiuchi            | B          | 105 2 22,50           | b               | 16 52                          | -7,40           | 35,11  | 75 5 20,01               | +13,32         | +14,8         | 767,0     | 3 34,26    | - 3,65                | 0,00                | 75 8 50,62           |
| 7                             | $\eta$ Ophiuchi        | "          | 112 24 37,52          | "               | 17 6                           | -6,60           | 35,11  | 67 43 4,19               | +13,27         | +14,7         | 766,9     | 2 20,52    | - 0,82                | "                   | 67 45 23,89          |
| 8                             | Saturn I $a$           | "          | 107 1 10,78           | "               | 17 16                          | -7,34           | 35,11  | 73 6 31,67               | +13,21         | +14,6         | 766,8     | 3 8,62     | - 0,74                | "                   | 73 9 39,55           |
| 9                             | " $c$                  | "          | 106 40 39,87          | "               | 17 20                          | -6,67           | 35,11  | 73 27 1,91               | +13,18         | +14,6         | 766,7     | 3 12,63    | - 0,40                | "                   | 73 30 14,14          |
| 10                            | " $e$                  | "          | 108 37 39,35          | "               | 17 25                          | -6,56           | 35,11  | 71 30 2,32               | +13,15         | +14,5         | 766,7     | 2 51,55    | + 0,45                | "                   | 71 32 54,32          |
| 11                            | X Sagittarii           | "          | 100 16 2,18           | "               | 17 42                          | -6,83           | 35,11  | 79 51 39,76              | +13,03         | +14,5         | 766,7     | 5 13,57    | + 1,11                | "                   | 79 56 54,44          |
| 12                            | M. 722                 | "          | 109 14 6,60           | "               | 17 51                          | -6,44           | 35,11  | 70 53 34,95              | +12,96         | +14,5         | 766,8     | 2 45,94    | + 3,24                | "                   | 70 56 24,13          |
| <b>Juli 11 Arm Ost, Kr. B</b> |                        |            |                       |                 |                                |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                             | Nadir                  | P          | o 7 36,70             | m               | 16 20                          | -1,01           | 35,69  |                          |                |               |           |            |                       |                     |                      |
| 2                             | 24 Ophiuchi            | "          | 105 2 17,55           | b               | 16 52                          | -7,39           | 35,60  | 75 5 25,44               | +18,65         | +18,4         | 763,0     | 3 29,07    | - 3,67                | 0,00                | 75 8 50,84           |
| 4                             | $\eta$ Ophiuchi        | "          | 112 24 33,22          | "               | 17 6                           | -6,60           | 35,56  | 67 43 8,94               | +18,36         | +18,3         | 763,0     | 2 17,27    | - 0,80                | "                   | 67 45 25,41          |
| 5                             | 36 Ophiuchi p.a.       | "          | 101 35 28,87          | "               | 17 10                          | -7,37           | 35,55  | 78 32 14,05              | +18,26         | +18,3         | 763,0     | 4 31,88    | - 2,35                | "                   | 78 36 43,58          |
| 6                             | Saturn I $d$           | "          | 107 8 34,82           | "               | 17 23                          | -6,50           | 35,51  | 72 59 7,19               | +17,99         | +18,1         | 763,1     | 3 3,08     | + 0,04                | "                   | 73 2 10,31           |
| 7                             | 51 Ophiuchi            | "          | 104 8 56,10           | "               | 17 26                          | -6,64           | 35,50  | 75 58 46,04              | +17,92         | +18,1         | 763,1     | 3 43,05    | - 0,13                | "                   | 76 2 28,96           |
| 8                             | X Sagittarii           | "          | 100 15 54,85          | "               | 17 42                          | -6,82           | 35,45  | 79 51 47,42              | +17,64         | +18,0         | 763,1     | 5 6,86     | + 1,07                | "                   | 79 56 55,35          |
| 9                             | M. 722                 | "          | 109 14 2,42           | "               | 17 51                          | -6,43           | 35,43  | 70 53 39,44              | +17,54         | +17,9         | 763,0     | 2 42,41    | + 3,24                | "                   | 70 56 25,09          |
| 10                            | Saturn II $a$          | "          | 106 34 19,65          | "               | 18 2                           | -6,94           | 35,40  | 73 33 22,69              | +17,40         | +17,8         | 763,0     | 3 10,01    | + 4,09                | "                   | 73 36 36,79          |

**Juni 11.** (20) Componenten zusammenfließend. **Juli 3.** Während der Beobachtungen kommen Nebel im Süden auf, welche die Sterne in steigendem Maasse schwächen; (8) t + 5s; (9) t + 5s; (11), (13), (21) unsicher; (14) Strich 5'. **Juli 10.** Luft 2; 36 Ophiuchi der sehr störenden Duplicität wegen nicht beobachtet. **Juli 11.** Luft 2-3, bei den tieferen Sternen viel schlechter; (6) kaum sichtbar.

| Nr.                           | Stern            | Beobachter | Mittel der Mikroskope | Horizontaläden | Zeit H. 17                     | Summe der Corr. | Nadir | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Præcession | Zenithdistanz 1900,0 |
|-------------------------------|------------------|------------|-----------------------|----------------|--------------------------------|-----------------|-------|--------------------------|----------------|---------------|-----------|------------|-----------------------|--------------------|----------------------|
| <b>1900 Juli 11 (Forts.)</b>  |                  |            |                       |                |                                |                 |       |                          |                |               |           |            |                       |                    |                      |
| 11                            | Saturn II c      | P          | 105° 46' 15" 10       | b              | 18 <sup>h</sup> 6 <sup>m</sup> | - 6"96          | 35"38 | 74° 21' 27" 24           | +17,36         | +17,8         | 763,0     | 3' 20" 03  | + 4"38                | 0"00               | 74° 24' 51" 65       |
| 12                            | " e              | "          | 106 56 25,58          | "              | 18 9                           | - 7,06          | 35,37 | 73 11 16,85              | +17,32         | +17,7         | 763,0     | 3 5,77     | + 4,83                | "                  | 73 14 27,45          |
| 13                            | " g              | "          | 104 6 8,00            | "              | 18 11                          | - 6,87          | 35,37 | 76 1 34,24               | +17,29         | +17,7         | 763,0     | 3 44,28    | + 4,82                | "                  | 76 5 23,34           |
| 14                            | " i              | "          | 105 3 52,82           | "              | 18 17                          | - 6,49          | 35,35 | 75 3 49,02               | +17,22         | +17,7         | 762,9     | 3 29,73    | + 5,52                | "                  | 75 7 24,27           |
| 15                            | λ Sagittarii     | "          | 102 34 2,40           | "              | 18 23                          | - 6,85          | 35,33 | 77 33 39,78              | +17,15         | +17,6         | 762,9     | 4 11,92    | + 5,92                | "                  | 77 37 57,62          |
| 16                            | Br. 2335         | "          | 106 53 31,38          | "              | 18 34                          | - 6,65          | 35,30 | 73 14 10,57              | +17,01         | +17,5         | 762,9     | 3 6,51     | + 7,46                | "                  | 73 17 24,54          |
| II                            | Nadir            | "          | 0 7 36,22             | m              | 19 5                           | - 1,01          | 35,21 |                          |                |               |           |            |                       |                    |                      |
| <b>Juli 12 Arm Ost, Kr. B</b> |                  |            |                       |                |                                |                 |       |                          |                |               |           |            |                       |                    |                      |
| I                             | Nadir            | B          | 0 7 34,40             | m              | 16 40                          | - 1,01          | 33,39 |                          |                |               |           |            |                       |                    |                      |
| 3                             | 24 Ophiuchi      | "          | 105 2 3,20            | a              | 16 52                          | + 5,08          | 33,37 | 75 5 25,09               | +18,91         | +19,2         | 758,2     | 3 27,53    | - 3,71                | 0,00               | 75 8 48,91           |
| 4                             | 7 Ophiuchi       | "          | 112 24 18,85          | "              | 17 6                           | + 5,84          | 33,35 | 67 43 8,66               | +18,84         | +19,1         | 758,2     | 2 16,16    | - 0,80                | "                  | 67 45 24,02          |
| 6                             | Saturn I b       | "          | 107 53 54,90          | "              | 17 18                          | + 5,69          | 33,32 | 72 13 32,73              | +18,66         | +19,1         | 758,3     | 2 53,40    | - 0,41                | "                  | 72 16 25,72          |
| 7                             | " d              | "          | 107 8 18,28           | "              | 17 23                          | + 5,95          | 33,31 | 72 59 9,08               | +18,58         | +19,0         | 758,3     | 3 1,53     | + 0,02                | "                  | 73 2 10,63           |
| 8                             | 51 Ophiuchi      | "          | 104 8 40,60           | "              | 17 26                          | + 5,81          | 33,31 | 75 58 46,90              | +18,54         | +19,0         | 758,3     | 3 41,15    | - 0,17                | "                  | 76 2 27,88           |
| 9                             | X Sagittarii     | "          | 100 15 37,60          | "              | 17 42                          | + 5,65          | 33,28 | 79 51 50,03              | +18,34         | +18,9         | 758,3     | 5 4,12     | + 1,01                | "                  | 79 56 55,16          |
| 10                            | M. 722           | "          | 109 13 47,17          | "              | 17 51                          | + 6,01          | 33,27 | 70 53 40,09              | +18,24         | +18,8         | 758,3     | 2 40,99    | + 3,24                | "                  | 70 56 24,32          |
| 11                            | Saturn II a      | "          | 106 34 5,35           | "              | 18 2                           | + 5,51          | 33,24 | 73 33 22,38              | +18,11         | +18,7         | 758,3     | 3 8,35     | + 4,07                | "                  | 73 36 34,80          |
| 12                            | " d              | "          | 104 18 32,02          | "              | 18 7                           | + 6,23          | 33,24 | 75 48 54,99              | +18,04         | +18,7         | 758,2     | 3 38,93    | + 4,28                | "                  | 75 52 38,20          |
| 13                            | " f              | "          | 106 17 0,52           | "              | 18 9                           | + 5,25          | 33,23 | 73 50 27,46              | +18,01         | +18,7         | 758,2     | 3 11,80    | + 4,79                | "                  | 73 53 44,05          |
| 14                            | " h              | "          | 105 38 47,18          | "              | 18 13                          | + 6,02          | 33,22 | 74 28 40,02              | +17,96         | +18,7         | 758,2     | 3 19,90    | + 5,11                | "                  | 74 32 5,03           |
| 16                            | λ Sagittarii     | "          | 102 33 45,18          | "              | 18 23                          | + 5,60          | 33,21 | 77 33 42,43              | +17,82         | +18,6         | 758,2     | 4 9,76     | + 5,88                | "                  | 77 37 58,07          |
| 17                            | Br. 2335         | "          | 106 53 15,20          | "              | 18 34                          | + 5,79          | 33,19 | 73 14 12,20              | +17,66         | +18,5         | 758,2     | 3 4,92     | + 7,45                | "                  | 73 17 24,57          |
| II                            | Nadir            | "          | 0 7 34,08             | m              | 19 40                          | - 1,01          | 33,07 |                          |                |               |           |            |                       |                    |                      |
| <b>Juli 17 Arm Ost, Kr. B</b> |                  |            |                       |                |                                |                 |       |                          |                |               |           |            |                       |                    |                      |
| I                             | Nadir            | P          | 0 7 34,80             | m              | 16 30                          | - 1,01          | 33,79 |                          |                |               |           |            |                       |                    |                      |
| 2                             | 24 Ophiuchi      | "          | 105 2 20,72           | b              | 16 52                          | - 7,40          | 33,92 | 75 5 20,60               | +15,54         | +18,0         | 771,3     | 3 33,66    | - 3,80                | 0,00               | 75 8 50,46           |
| 3                             | 7 Ophiuchi       | "          | 112 24 37,25          | "              | 17 6                           | - 6,60          | 34,01 | 67 43 3,36               | +15,34         | +17,8         | 771,3     | 2 20,24    | - 0,73                | "                  | 67 45 22,87          |
| 4                             | 36 Ophiuchi p.a. | "          | 101 35 32,65          | "              | 17 10                          | - 7,38          | 34,03 | 78 32 8,76               | +15,27         | +17,7         | 771,3     | 4 37,77    | - 2,60                | "                  | 78 36 43,93          |
| 5                             | Saturn I d       | "          | 107 8 37,12           | "              | 17 23                          | - 6,50          | 34,11 | 72 59 3,49               | +15,08         | +17,5         | 771,3     | 3 6,95     | - 0,04                | "                  | 73 2 10,40           |
| 6                             | 51 Ophiuchi      | "          | 104 9 1,10            | "              | 17 26                          | - 6,65          | 34,12 | 75 58 39,67              | +15,04         | +17,5         | 771,3     | 3 47,76    | - 0,31                | "                  | 76 2 27,12           |
| 8                             | X Sagittarii     | "          | 100 16 0,38           | "              | 17 42                          | - 6,83          | 34,22 | 79 51 40,67              | +14,80         | +17,2         | 771,3     | 5 13,31    | + 0,76                | "                  | 79 56 54,74          |
| 9                             | M. 722           | "          | 109 14 6,08           | "              | 17 51*                         | - 6,36          | 34,27 | 70 53 34,55              | +14,68         | +17,1         | 771,3     | 2 45,83    | + 3,22                | "                  | 70 56 23,60          |
| 10                            | Saturn II b      | "          | 104 55 2,45           | "              | 18 3                           | - 6,83          | 34,34 | 75 12 38,72              | +14,51         | +16,9         | 771,3     | 3 36,27    | + 3,79                | "                  | 75 16 18,78          |
| 11                            | " d              | "          | 104 18 52,38          | "              | 18 7                           | - 6,23          | 34,37 | 75 48 48,22              | +14,45         | +16,8         | 771,3     | 3 45,58    | + 4,13                | "                  | 75 52 37,93          |
| 12                            | " f              | "          | 106 17 18,85          | "              | 18 9                           | - 7,24          | 34,39 | 73 50 22,78              | +14,41         | +16,8         | 771,3     | 3 17,65    | + 4,70                | "                  | 73 53 45,13          |
| 13                            | " h              | "          | 105 39 6,70           | "              | 18 13                          | - 6,43          | 34,41 | 74 28 34,14              | +14,36         | +16,7         | 771,3     | 3 26,00    | + 5,01                | "                  | 74 32 5,15           |
| 14                            | " i              | "          | 105 3 58,15           | "              | 18 17                          | - 6,50          | 34,43 | 75 3 42,78               | +14,30         | +16,7         | 771,3     | 3 34,25    | + 5,37                | "                  | 75 7 22,40           |
| 15                            | λ Sagittarii     | "          | 102 34 7,60           | "              | 18 23                          | - 6,86          | 34,47 | 77 33 33,73              | +14,21         | +16,6         | 771,3     | 4 17,41    | + 5,69                | "                  | 77 37 56,83          |
| 16                            | Br. 2335         | "          | 106 53 35,08          | "              | 18 34                          | - 6,66          | 34,54 | 73 14 6,12               | +14,05         | +16,4         | 771,3     | 3 10,57    | + 7,39                | "                  | 73 17 24,08          |
| II                            | Nadir            | "          | 0 7 35,64             | m              | 18 50                          | - 1,01          | 34,63 |                          |                |               |           |            |                       |                    |                      |
| <b>Juli 21 Arm Ost, Kr. B</b> |                  |            |                       |                |                                |                 |       |                          |                |               |           |            |                       |                    |                      |
| I                             | Nadir            | B          | 0 7 34,64             | m              | 16 25                          | - 1,01          | 33,63 |                          |                |               |           |            |                       |                    |                      |
| 1                             | 24 Ophiuchi      | "          | 105 2 19,08           | b              | 16 52                          | - 7,40          | 33,68 | 75 5 22,00               | +17,73         | +19,5         | 767,9     | 3 31,04    | - 3,66                | 0,00               | 75 8 49,38           |
| 2                             | 7 Ophiuchi       | "          | 112 24 34,98          | "              | 17 6                           | - 6,60          | 33,71 | 67 43 5,33               | +17,76         | +19,4         | 767,9     | 2 18,42    | - 0,45                | "                  | 67 45 23,30          |
| 4                             | Saturn I b       | "          | 107 54 10,35          | "              | 17 18                          | - 6,76          | 33,73 | 72 13 30,14              | +17,80         | +19,4         | 767,9     | 2 56,11    | - 0,25                | "                  | 72 16 26,00          |

Juli 12. Luft 4. Juli 17. Luft zuerst 2, nachher 1; (9) t + 10°.

| Nr.                       | Stern              | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                      | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|---------------------------|--------------------|------------|-----------------------|-----------------|---------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1900 Juli 21 (Forts.)     |                    |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| 5                         | Saturn I <i>e</i>  | B          | 108° 37' 36" 85       | b               | 17 <sup>h</sup> 25 <sup>m</sup> | - 6" 55         | 33" 75 | 71° 30' 3" 45            | +17,77         | +19,3         | 767,9     | 2' 48" 93  | + 0" 61               | 0" 00               | 71° 32' 52" 99       |
| 6                         | X Sagittarii       | "          | 100 15 55,48          | "               | 17 42                           | - 6,82          | 33,78  | 79 51 45,12              | +17,56         | +19,2         | 767,9     | 5 8,80     | + 0,79                | "                   | 79 56 54,71          |
| 7                         | M. 722             | "          | 109 14 4,05           | "               | 17 51                           | - 6,44          | 33,80  | 70 53 36,19              | +17,45         | +19,2         | 767,9     | 2 43,46    | + 3,44                | "                   | 70 56 23,09          |
| 8                         | Saturn II <i>b</i> | "          | 104 55 0,68           | "               | 18 3                            | - 6,83          | 33,82  | 75 12 39,97              | +17,34         | +19,1         | 767,9     | 3 33,10    | + 3,92                | "                   | 75 16 16,99          |
| 9                         | " <i>d</i>         | "          | 104 18 49,32          | "               | 18 7                            | - 6,23          | 33,83  | 75 48 50,74              | +17,32         | +19,1         | 767,9     | 3 42,26    | + 4,25                | "                   | 75 52 37,25          |
| 10                        | " <i>f</i>         | "          | 106 17 17,38          | "               | 18 9                            | - 7,22          | 33,83  | 73 50 23,67              | +17,31         | +19,1         | 767,8     | 3 14,68    | + 4,86                | "                   | 73 53 43,21          |
| 11                        | " <i>h</i>         | "          | 105. 39 3,00          | "               | 18 13                           | - 6,43          | 33,84  | 74 28 37,27              | +17,29         | +19,0         | 767,8     | 3 22,89    | + 5,15                | "                   | 74 32 5,31           |
| 12                        | λ Sagittarii       | "          | 102 34 2,98           | "               | 18 23                           | - 6,86          | 33,86  | 77 33 37,74              | +17,23         | +18,9         | 767,8     | 4 13,41    | + 5,77                | "                   | 77 37 56,92          |
| 14                        | Br. 2335           | "          | 106 53 31,90          | "               | 18 34                           | - 6,65          | 33,88  | 73 14 8,63               | +17,16         | +18,8         | 767,7     | 3 7,54     | + 7,56                | "                   | 73 17 23,73          |
| II                        | Nadir              | "          | 0 7 35,04             | m               | 19 50                           | - 1,01          | 34,03  |                          |                |               |           |            |                       |                     |                      |
| Juli 25 Arm Ost, Kr. B    |                    |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| 1                         | 51 Ophiuchi        | B          | 104 8 52,18           | b               | 17 26                           | - 6,62          | 34,14  | 75 58 48,58              | +21,70         | +22,7         | 762,2     | 3 39,71    | - 0,26                | 0,00                | 76 2 28,03           |
| 3                         | X Sagittarii       | "          | 100 15 48,12          | "               | 17 42                           | - 6,80          | 34,14  | 79 51 52,82              | +21,73         | +22,7         | 762,3     | 5 1,93     | + 0,65                | "                   | 79 56 55,40          |
| 5                         | M. 722             | "          | 109 13 59,58          | "               | 17 51                           | - 6,43          | 34,14  | 70 53 40,99              | +21,75         | +22,7         | 762,3     | 2 39,80    | + 3,48                | "                   | 70 56 24,27          |
| 6                         | Saturn II <i>a</i> | "          | 106 34 16,67          | "               | 18 2                            | - 6,94          | 34,14  | 73 33 24,41              | +21,74         | +22,7         | 762,3     | 3 6,87     | + 4,14                | "                   | 73 36 35,42          |
| 7                         | " <i>c</i>         | "          | 105 46 11,20          | "               | 18 6                            | - 6,93          | 34,14  | 74 21 29,87              | +21,73         | +22,6         | 762,3     | 3 16,70    | + 4,37                | "                   | 74 24 50,94          |
| 8                         | " <i>e</i>         | "          | 106 56 23,08          | "               | 18 9                            | - 7,06          | 34,14  | 73 11 18,12              | +21,72         | +22,6         | 762,3     | 3 2,66     | + 4,91                | "                   | 73 14 25,69          |
| 9                         | " <i>i</i>         | "          | 105 3 48,80           | "               | 18 17                           | - 6,48          | 34,14  | 75 3 51,82               | +21,70         | +22,6         | 762,2     | 3 26,12    | + 5,46                | "                   | 75 7 23,40           |
| 10                        | λ Sagittarii       | "          | 102 33 56,02          | "               | 18 23                           | - 6,84          | 34,14  | 77 33 44,96              | +21,68         | +22,5         | 762,2     | 4 7,54     | + 5,68                | "                   | 77 37 58,18          |
| 11                        | Br. 2335           | "          | 106 53 27,68          | "               | 18 34                           | - 6,66          | 34,14  | 73 14 13,12              | +21,65         | +22,5         | 762,2     | 3 3,23     | + 7,57                | "                   | 73 17 23,92          |
| I                         | Nadir              | "          | 0 7 35,15             | m               | 18 55                           | - 1,01          | 34,14  |                          |                |               |           |            |                       |                     |                      |
| August 13 Arm West, Kr. B |                    |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                         | Nadir              | P          | 0 7 12,61             | m               | 17 10                           | - 0,92          | 11,69  |                          |                |               |           |            |                       |                     |                      |
| 2                         | 51 Ophiuchi        | "          | 256 5 45,95           | a               | 17 26                           | + 5,43          | 11,66  | 75 58 39,72              | +15,93         | +17,1         | 773,8     | 3 47,79    | - 0,46                | 0,00                | 76 2 27,05           |
| 3                         | X Sagittarii       | "          | 259 58 44,72          | "               | 17 42                           | + 6,14          | 11,63  | 79 51 39,23              | +15,84         | +17,0         | 773,8     | 5 13,16    | + 0,06                | "                   | 79 56 52,45          |
| 4                         | M. 722             | "          | 251 0 41,35           | "               | 17 51                           | + 4,92          | 11,62  | 70 53 34,65              | +15,77         | +16,9         | 773,9     | 2 45,77    | + 3,58                | "                   | 70 56 24,00          |
| 5                         | Saturn II <i>b</i> | "          | 255 19 44,72          | "               | 18 3                            | + 5,45          | 11,60  | 75 12 38,57              | +15,67         | +16,9         | 773,9     | 3 36,10    | + 3,58                | "                   | 75 16 18,25          |
| 6                         | " <i>c</i>         | "          | 254 28 29,45          | "               | 18 6                            | + 5,05          | 11,60  | 74 21 22,90              | +15,64         | +16,8         | 773,9     | 3 24,14    | + 4,14                | "                   | 74 24 51,18          |
| 7                         | " <i>e</i>         | "          | 253 18 18,10          | "               | 18 9                            | + 5,27          | 11,59  | 73 11 11,78              | +15,62         | +16,8         | 774,0     | 3 9,60     | + 4,78                | "                   | 73 14 26,16          |
| 8                         | " <i>g</i>         | "          | 256 8 36,75           | "               | 18 12*                          | + 5,14          | 11,58  | 76 1 30,31               | +15,60         | +16,8         | 774,0     | 3 48,89    | + 4,30                | "                   | 76 5 23,50           |
| 9                         | " <i>i</i>         | "          | 255 10 49,87          | "               | 18 17                           | + 5,41          | 11,58  | 75 3 43,70               | +15,55         | +16,7         | 774,0     | 3 34,05    | + 5,14                | "                   | 75 7 22,89           |
| 10                        | λ Sagittarii       | "          | 257 40 41,48          | "               | 18 23                           | + 5,39          | 11,57  | 77 33 35,30              | +15,50         | +16,7         | 774,0     | 4 17,08    | + 5,12                | "                   | 77 37 57,50          |
| 12                        | Br. 2335           | "          | 253 21 12,18          | "               | 18 34                           | + 5,34          | 11,55  | 73 14 5,97               | +15,39         | +16,6         | 774,0     | 3 10,33    | + 7,39                | "                   | 73 17 23,69          |
| 13                        | A.G.Leiden6797     | "          | 200 48 1,80           | "               | 18 38                           | + 6,20          | 11,54  | 20 40 56,46              | +15,35         | +16,6         | 774,0     | 0 21,92    | +18,17                | "                   | 20 41 36,55          |
| 14                        | 110 Herculis       | "          | 211 48 31,12          | "               | 18 42                           | + 5,72          | 11,53  | 31 41 25,31              | +15,30         | +16,6         | 774,0     | 0 35,85    | +16,84                | "                   | 31 42 18,00          |
| 15                        | β Lyrae            | "          | 199 0 59,97           | "               | 18 47                           | + 5,57          | 11,53  | 18 53 54,01              | +15,24         | +16,5         | 774,0     | 0 19,89    | +18,80                | "                   | 18 54 32,70          |
| 16                        | γ Lyrae            | "          | 199 42 37,57          | "               | 18 56                           | + 5,89          | 11,51  | 19 35 31,95              | +15,14         | +16,4         | 774,0     | 0 20,68    | +19,08                | "                   | 19 36 11,71          |
| II                        | Nadir              | "          | 0 7 12,39             | m               | 19 20                           | - 0,92          | 11,47  |                          |                |               |           |            |                       |                     |                      |
| August 14 Arm West, Kr. B |                    |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                         | Nadir              | P          | 0 7 12,52             | m               | 16 55                           | - 0,92          | 11,60  |                          |                |               |           |            |                       |                     |                      |
| 2                         | 51 Ophiuchi        | "          | 256 5 46,15           | a               | 17 26                           | + 5,43          | 11,59  | 75 58 39,99              | +15,75         | +16,6         | 772,7     | 3 47,63    | - 0,44                | 0,00                | 76 2 27,18           |
| 3                         | X Sagittarii       | "          | 259 58 46,22          | "               | 17 42                           | + 6,14          | 11,59  | 79 51 40,77              | +15,46         | +16,4         | 772,7     | 5 13,18    | + 0,07                | "                   | 79 56 54,02          |
| 4                         | M. 722             | "          | 251 0 40,38           | "               | 17 51                           | + 4,92          | 11,59  | 70 53 33,71              | +15,29         | +16,3         | 772,7     | 2 45,80    | + 3,61                | "                   | 70 56 23,12          |
| 5                         | Saturn II <i>b</i> | "          | 255 19 44,60          | "               | 18 3                            | + 5,45          | 11,59  | 75 12 38,46              | +15,07         | +16,2         | 772,7     | 3 36,26    | + 3,59                | "                   | 75 16 18,31          |
| 6                         | " <i>c</i>         | "          | 254 28 27,80          | "               | 18 6                            | + 5,05          | 11,59  | 74 21 21,26              | +15,01         | +16,1         | 772,7     | 3 24,29    | + 4,15                | "                   | 74 24 49,70          |

Juli 25. Im Anfange neblig, Luft 2-3. Aug. 13. Luft 1-2, bisweilen Wolken; (8) t + 10°. Aug. 14. Luft 3, Wolken.

| Nr.                       | Stern          | Beobachter | Mittel der Mikroskope | Horizontalfaden | Zeit H. 17         | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|---------------------------|----------------|------------|-----------------------|-----------------|--------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1900 August 14 (Forts.)   |                |            |                       |                 |                    |                 |        |                          |                |               |           |            |                       |                     |                      |
| 7                         | Saturn II e    | P          | 253° 18' 16",93       | a               | 18h 9 <sup>m</sup> | + 5",27         | 11",58 | 73° 11' 10",62           | +14,94         | +16,1         | 772,7     | 3' 9",75   | + 4",79               | 0",00               | 73° 14' 25",16       |
| 8                         | " g            | "          | 256 8 35,35           | "               | 18 12              | + 5,16          | 11,58  | 76 1 28,93               | +14,90         | +16,0         | 772,7     | 3 49,11    | + 4,30                | "                   | 76 5 22,34           |
| 9                         | " i            | "          | 255 10 50,00          | "               | 18 17              | + 5,41          | 11,58  | 75 3 43,83               | +14,81         | +16,0         | 772,7     | 3 34,28    | + 5,15                | "                   | 75 7 23,26           |
| 10                        | λ Sagittarii   | "          | 257 40 41,12          | "               | 18 23              | + 5,39          | 11,58  | 77 33 34,93              | +14,68         | +15,9         | 772,7     | 4 17,46    | + 5,11                | "                   | 77 37 57,50          |
| 11                        | Br. 2335       | "          | 253 21 11,42          | "               | 18 34              | + 5,34          | 11,58  | 73 14 5,18               | +14,50         | +15,8         | 772,8     | 3 10,64    | + 7,40                | "                   | 73 17 23,22          |
| 12                        | A.G.Leiden6797 | "          | 200 48 1,40           | "               | 18 38              | + 6,20          | 11,58  | 20 40 56,02              | +14,43         | +15,7         | 772,8     | 0 21,96    | +18,37                | "                   | 20 41 36,35          |
| 13                        | 110 Herculis   | "          | 211 48 30,60          | "               | 18 42              | + 5,72          | 11,58  | 31 41 24,74              | +14,36         | +15,6         | 772,8     | 0 35,91    | +17,00                | "                   | 31 42 17,65          |
| 14                        | β Lyrae        | "          | 199 0 59,92           | "               | 18 47              | + 5,57          | 11,58  | 18 53 53,91              | +14,27         | +15,6         | 772,8     | 0 19,93    | +19,00                | "                   | 18 54 32,84          |
| 16                        | γ Lyrae        | "          | 199 42 36,97          | "               | 18 56              | + 5,89          | 11,58  | 19 35 31,28              | +14,20         | +15,5         | 772,8     | 0 20,72    | +19,29                | "                   | 19 36 11,29          |
| II                        | Nadir          | "          | 0 7 12,49             | m               | 19. 20             | - 0,92          | 11,57  |                          |                |               |           |            |                       |                     |                      |
| August 15 Arm West, Kr. B |                |            |                       |                 |                    |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                         | Nadir          | P          | 0 7 12,75             | m               | 17 0               | - 0,92          | 11,83  |                          |                |               |           |            |                       |                     |                      |
| 3                         | 51 Ophiuchi    | "          | 256 5 50,72           | a               | 17 26              | + 5,43          | 11,92  | 75 58 44,23              | +15,91         | +17,1         | 770,0     | 3 46,71    | - 0,40                | 0,00                | 76 2 30,54           |
| 4                         | X Sagittarii   | "          | 259 58 49,15          | "               | 17 42              | + 6,14          | 11,97  | 79 51 43,32              | +15,91         | +17,0         | 770,0     | 5 11,56    | + 0,08                | "                   | 79 56 54,96          |
| 5                         | M. 722         | "          | 251 0 42,65           | "               | 17 51              | + 4,92          | 12,00  | 70 53 35,57              | +15,91         | +17,0         | 770,0     | 2 44,85    | + 3,66                | "                   | 70 56 24,08          |
| 6                         | Saturn II b    | "          | 255 19 47,10          | "               | 18 3               | + 5,46          | 12,04  | 75 12 40,52              | +15,91         | +16,9         | 770,0     | 3 34,84    | + 3,62                | "                   | 75 16 18,98          |
| 7                         | " c            | "          | 254 28 30,42          | "               | 18 6               | + 5,05          | 12,05  | 74 21 23,42              | +15,91         | +16,9         | 770,0     | 3 22,92    | + 4,18                | "                   | 74 24 50,52          |
| 8                         | " e            | "          | 253 18 20,32          | "               | 18 9               | + 5,27          | 12,06  | 73 11 13,53              | +15,91         | +16,9         | 770,0     | 3 8,43     | + 4,83                | "                   | 73 14 26,79          |
| 9                         | " g            | "          | 256 8 37,75           | "               | 18 12              | + 5,16          | 12,07  | 76 1 30,84               | +15,91         | +16,9         | 770,0     | 3 47,47    | + 4,32                | "                   | 76 5 22,63           |
| 10                        | " i            | "          | 255 10 52,85          | "               | 18 17              | + 5,41          | 12,09  | 75 3 46,17               | +15,91         | +16,9         | 770,0     | 3 32,68    | + 5,17                | "                   | 75 7 24,02           |
| 11                        | λ Sagittarii   | "          | 257 40 43,82          | "               | 18 23              | + 5,39          | 12,11  | 77 33 37,10              | +15,91         | +16,8         | 770,0     | 4 15,41    | + 5,13                | "                   | 77 37 57,64          |
| 12                        | Br. 2335       | "          | 253 21 14,82          | "               | 18 34              | + 5,34          | 12,15  | 73 14 8,01               | +15,91         | +16,8         | 770,0     | 3 8,99     | + 7,42                | "                   | 73 17 24,42          |
| II                        | Nadir          | "          | 0 7 13,17             | m               | 19 5               | - 0,92          | 12,25  |                          |                |               |           |            |                       |                     |                      |
| August 16 Arm West, Kr. B |                |            |                       |                 |                    |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                         | Nadir          | P          | 0 7 14,98             | m               | 16 55              | - 0,92          | 14,06  |                          |                |               |           |            |                       |                     |                      |
| 4                         | 51 Ophiuchi    | "          | 256 5 53,28           | a               | 17 26              | + 5,43          | 14,01  | 75 58 44,70              | +20,29         | +20,1         | 765,5     | 3 41,84    | - 0,36                | 0,00                | 76 2 26,18           |
| 6                         | X Sagittarii   | "          | 259 58 59,75          | "               | 17 42              | + 6,15          | 13,99  | 79 51 51,91              | +20,01         | +20,0         | 765,4     | 5 5,13     | + 0,11                | "                   | 79 56 57,15          |
| 7                         | M. 722         | "          | 251 0 48,80           | "               | 17 51*             | + 4,92          | 13,97  | 70 53 39,75              | +19,86         | +19,9         | 765,4     | 2 41,56    | + 3,71                | "                   | 70 56 25,02          |
| 8                         | Saturn II a    | "          | 253 40 32,15          | "               | 18 2               | + 5,52          | 13,96  | 73 33 23,71              | +19,65         | +19,8         | 765,4     | 3 9,07     | + 4,08                | "                   | 73 36 36,86          |
| 9                         | " d            | "          | 255 56 2,85           | "               | 18 7               | + 5,33          | 13,95  | 75 48 54,23              | +19,57         | +19,8         | 765,4     | 3 39,79    | + 3,90                | "                   | 75 52 37,92          |
| 10                        | " f            | "          | 253 57 35,35          | "               | 18 9               | + 5,13          | 13,94  | 73 50 26,54              | +19,53         | +19,7         | 765,4     | 3 12,58    | + 4,73                | "                   | 73 53 43,85          |
| 11                        | " h            | "          | 254 35 49,08          | "               | 18 13              | + 5,09          | 13,94  | 74 28 40,23              | +19,46         | +19,7         | 765,4     | 3 20,72    | + 4,94                | "                   | 74 32 5,89           |
| 12                        | " i            | "          | 255 11 0,75           | "               | 18 17              | + 5,41          | 13,93  | 75 3 52,23               | +19,39         | +19,7         | 765,3     | 3 28,74    | + 5,20                | "                   | 75 7 26,17           |
| 13                        | λ Sagittarii   | "          | 257 40 51,02          | "               | 18 23              | + 5,40          | 13,92  | 77 33 42,50              | +19,28         | +19,6         | 765,3     | 4 10,76    | + 5,15                | "                   | 77 37 58,41          |
| 15                        | Br. 2335       | "          | 253 21 20,80          | "               | 18 34              | + 5,34          | 13,91  | 73 14 12,23              | +19,12         | +19,5         | 765,3     | 3 5,67     | + 7,46                | "                   | 73 17 25,36          |
| 16                        | A.G.Leiden6797 | "          | 200 48 4,15           | "               | 18 38              | + 6,20          | 13,90  | 20 40 56,45              | +19,08         | +19,5         | 765,3     | 0 21,39    | +18,76                | "                   | 20 41 36,60          |
| 17                        | 110 Herculis   | "          | 211 48 34,05          | "               | 18 42              | + 5,72          | 13,89  | 31 41 25,88              | +19,05         | +19,4         | 765,3     | 0 34,18    | +17,33                | "                   | 31 42 17,39          |
| 18                        | β Lyrae        | "          | 199 1 1,35            | "               | 18 47*             | + 5,57          | 13,89  | 18 53 53,03              | +19,01         | +19,4         | 765,3     | 0 19,40    | +19,42                | "                   | 18 54 31,85          |
| 19                        | γ Lyrae        | "          | 199 42 39,65          | "               | 18 56              | + 5,89          | 13,87  | 19 35 31,67              | +18,94         | +19,2         | 765,3     | 0 20,18    | +19,71                | "                   | 19 36 11,56          |
| II                        | Nadir          | "          | 0 7 14,74             | m               | 19 30              | - 0,92          | 13,82  |                          |                |               |           |            |                       |                     |                      |
| August 29 Arm West, Kr. B |                |            |                       |                 |                    |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                         | Nadir          | P          | 0 7 12,86             | m               | 19 35              | - 0,92          | 11,94  |                          |                |               |           |            |                       |                     |                      |
| 1                         | Talcott 135    | "          | 175 50 59,58          | a               | 19 55              | + 5,23          | 11,89  | 4 16 7,08                | +13,73         | +15,0         | 772,6     | 0 4,36     | -25,68                | 0,00                | 4 15 45,76           |
| 2                         | " 136          | "          | 184 19 14,68          | "               | 20 3               | + 5,16          | 11,87  | 4 12 7,97                | +13,69         | +15,0         | 772,6     | 0 4,29     | +25,67                | "                   | 4 12 37,93           |
| 3                         | " 137          | "          | 182 20 29,45          | "               | 20 14              | + 5,12          | 11,85  | 2 13 22,72               | +13,62         | +14,9         | 772,6     | 0 2,27     | +25,86                | "                   | 2 13 50,85           |

Aug. 15. Luft zuerst 2-3, nachher 3-4; die Sterne als grosse blasser Nebel. Aug. 16. Luft 2-3; (?) t + 5s; (11) an der Grenze der Sichtbarkeit; (18) t + 10s. Aug. 29. Luft 1.

| Nr.                         | Stern         | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                      | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Præcession | Zenithdistanz 1900,0 |
|-----------------------------|---------------|------------|-----------------------|-----------------|---------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|--------------------|----------------------|
| 1900 August 29 (Forts.)     |               |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                    |                      |
| 4                           | Talcott 138   | P          | 177° 55' 1" 85        | a               | 20 <sup>h</sup> 21 <sup>m</sup> | + 5" 25         | 11" 83 | 2° 12' 4" 73             | +13,57         | +14,9         | 772,6     | 0' 2" 24   | -25' 91               | 0" 00              | 2° 11' 41" 06        |
| 5                           | A.G.Bonn14272 | "          | 183 40 46,70          | "               | 20 28                           | + 5,17          | 11,82  | 3 33 40,05               | +13,53         | +14,8         | 772,6     | 0 3,63     | +26,02                | "                  | 3 34 9,70            |
| 6                           | Talcott 140   | "          | 176 36 55,28          | "               | 20 37                           | + 5,32          | 11,79  | 3 30 11,19               | +13,48         | +14,7         | 772,6     | 0 3,57     | -25,87                | "                  | 3 29 48,89           |
| 7                           | " 141         | "          | 175 2 51,08           | "               | 20 44                           | + 5,05          | 11,78  | 5 4 15,65                | +13,43         | +14,7         | 772,6     | 0 5,17     | -25,78                | "                  | 5 3 55,04            |
| 8                           | " 142         | "          | 185 8 5,08            | "               | 20 57                           | + 5,70          | 11,75  | 5 0 59,03                | +13,36         | +14,6         | 772,6     | 0 5,13     | +25,97                | "                  | 5 1 30,13            |
| 9                           | " 143         | "          | 194 26 50,40          | "               | 21 16                           | + 5,80          | 11,70  | 14 19 44,50              | +13,24         | +14,6         | 772,6     | 0 14,92    | +26,04                | "                  | 14 20 25,46          |
| 10                          | " 144         | "          | 165 53 55,07          | "               | 21 27                           | + 5,29          | 11,68  | 14 13 11,32              | +13,18         | +14,5         | 772,6     | 0 14,81    | -24,37                | "                  | 14 13 1,76           |
| 11                          | " 145         | "          | 194 26 12,80          | "               | 21 40                           | + 5,79          | 11,64  | 14 19 6,95               | +13,10         | +14,5         | 772,6     | 0 14,92    | +25,87                | "                  | 14 19 47,74          |
| 12                          | " 146         | "          | 165 56 40,30          | "               | 21 48                           | + 5,35          | 11,63  | 14 10 25,98              | +13,06         | +14,5         | 772,6     | 0 14,76    | -23,63                | "                  | 14 10 17,11          |
| 13                          | " 147         | "          | 186 8 55,68           | "               | 21 54                           | + 5,72          | 11,61  | 6 1 49,79                | +13,02         | +14,5         | 772,6     | 0 6,18     | +25,16                | "                  | 6 2 21,13            |
| 14                          | " 148         | "          | 173 54 59,52          | "               | 22 5                            | + 4,94          | 11,59  | 6 12 7,13                | +12,98         | +14,4         | 772,6     | 0 6,35     | -23,76                | "                  | 6 11 49,72           |
| 15                          | " 149         | "          | 169 28 26,12          | "               | 22 10                           | + 5,07          | 11,58  | 10 38 40,39              | +12,99         | +14,4         | 772,6     | 0 10,99    | -23,04                | "                  | 10 38 28,34          |
| 16                          | " 150         | "          | 190 41 23,42          | "               | 22 19                           | + 5,88          | 11,55  | 10 34 17,75              | +12,99         | +14,4         | 772,6     | 0 10,91    | +24,82                | "                  | 10 34 53,48          |
| 17                          | " 151         | "          | 167 38 56,80          | "               | 22 25                           | + 5,36          | 11,54  | 12 28 9,38               | +13,00         | +14,4         | 772,6     | 0 12,93    | -22,09                | "                  | 12 28 0,22           |
| 18                          | " 152         | "          | 192 33 37,98          | "               | 22 38                           | + 5,41          | 11,51  | 12 26 31,88              | +13,00         | +14,3         | 772,6     | 0 12,90    | +24,35                | "                  | 12 27 9,13           |
| 19                          | " 153         | "          | 172 42 3,52           | "               | 22 50                           | + 5,50          | 11,48  | 7 25 2,46                | +13,01         | +14,3         | 772,6     | 0 7,61     | -21,35                | "                  | 7 24 48,72           |
| 20                          | " 154         | "          | 187 25 37,72          | "               | 22 57                           | + 5,54          | 11,46  | 7 18 31,80               | +13,02         | +14,3         | 772,6     | 0 7,50     | +22,94                | "                  | 7 19 2,24            |
| II                          | Nadir         | "          | 0 7 12,34             | m               | 23 15                           | - 0,92          | 11,42  |                          |                |               |           |            |                       |                    |                      |
| August 30 Arm West, Kr. B   |               |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                    |                      |
| I                           | Nadir         | P          | 0 7 12,48             | m               | 20 50                           | - 0,92          | 11,56  |                          |                |               |           |            |                       |                    |                      |
| 1                           | Talcott 143   | "          | 194 27 1,70           | b               | 21 16                           | - 6,62          | 11,48  | 14 19 43,60              | +11,95         | +13,8         | 772,8     | 0 14,99    | +26,33                | 0,00               | 14 20 24,92          |
| 2                           | " 144         | "          | 165 54 7,22           | "               | 21 27                           | - 7,13          | 11,43  | 14 13 11,34              | +11,81         | +13,7         | 772,8     | 0 14,88    | -24,73                | "                  | 14 13 1,50           |
| 3                           | " 145         | "          | 194 26 24,62          | "               | 21 40                           | - 6,63          | 11,39  | 14 19 6,60               | +11,65         | +13,6         | 772,9     | 0 15,00    | +26,15                | "                  | 14 19 47,75          |
| 4                           | " 146         | "          | 165 56 52,85          | "               | 21 48                           | - 7,07          | 11,36  | 14 10 25,58              | +11,55         | +13,6         | 772,9     | 0 14,85    | -24,00                | "                  | 14 10 16,43          |
| 5                           | " 147         | "          | 186 9 7,80            | "               | 21 54                           | - 6,70          | 11,35  | 6 1 49,75                | +11,48         | +13,5         | 772,9     | 0 6,21     | +25,47                | "                  | 6 2 21,43            |
| 6                           | " 148         | "          | 173 55 11,95          | "               | 22 5                            | - 7,48          | 11,31  | 6 12 6,84                | +11,40         | +13,5         | 772,9     | 0 6,39     | -24,10                | "                  | 6 11 49,13           |
| 7                           | " 149         | "          | 169 28 38,15          | "               | 22 10                           | - 7,35          | 11,29  | 10 38 40,49              | +11,40         | +13,4         | 772,9     | 0 11,06    | -23,41                | "                  | 10 38 28,14          |
| 8                           | " 150         | "          | 190 41 35,05          | "               | 22 19                           | - 6,53          | 11,27  | 10 34 17,25              | +11,42         | +13,4         | 772,8     | 0 10,98    | +25,12                | "                  | 10 34 53,35          |
| 9                           | " 151         | "          | 167 39 8,65           | "               | 22 25                           | - 7,06          | 11,25  | 12 28 9,66               | +11,42         | +13,4         | 772,8     | 0 13,01    | -22,47                | "                  | 12 28 0,20           |
| 10                          | " 152         | "          | 192 33 50,28          | "               | 22 38                           | - 7,01          | 11,20  | 12 26 32,07              | +11,44         | +13,3         | 772,8     | 0 12,98    | +24,65                | "                  | 12 27 9,70           |
| 11                          | " 153         | "          | 172 42 15,47          | "               | 22 50                           | - 6,91          | 11,16  | 7 25 2,60                | +11,46         | +13,3         | 772,7     | 0 7,66     | -21,70                | "                  | 7 24 48,56           |
| 12                          | " 154         | "          | 187 25 49,42          | "               | 22 57                           | - 6,87          | 11,14  | 7 18 31,41               | +11,47         | +13,3         | 772,7     | 0 7,54     | +23,27                | "                  | 7 19 2,22            |
| 13                          | " 155         | "          | 169 10 56,47          | "               | 23 5                            | - 6,88          | 11,11  | 10 56 21,52              | +11,48         | +13,3         | 772,7     | 0 11,36    | -20,30                | "                  | 10 56 12,58          |
| 14                          | " 156         | "          | 191 2 24,85           | "               | 23 15                           | - 7,05          | 11,08  | 10 55 6,72               | +11,45         | +13,3         | 772,6     | 0 11,34    | +22,89                | "                  | 10 55 40,95          |
| 15                          | " 157         | "          | 180 32 2,05           | "               | 23 32                           | - 7,47          | 11,02  | 0 24 43,56               | +11,27         | +13,2         | 772,5     | 0 0,42     | +20,32                | "                  | 0 25 4,30            |
| 16                          | " 158         | "          | 179 40 27,18          | "               | 23 39                           | - 7,40          | 11,00  | 0 26 51,22               | +11,19         | +13,1         | 772,5     | 0 0,46     | -19,67                | "                  | 0 26 32,01           |
| 17                          | " 159         | "          | 193 32 29,55          | "               | 23 50                           | - 6,71          | 10,96  | 13 25 11,88              | +11,08         | +13,1         | 772,4     | 0 14,04    | +21,42                | "                  | 13 25 47,34          |
| 18                          | " 160         | "          | 166 44 4,45           | "               | 23 59                           | - 7,24          | 10,93  | 13 23 13,72              | +10,98         | +13,0         | 772,3     | 0 14,01    | -15,96                | "                  | 13 23 11,77          |
| II                          | Nadir         | "          | 0 7 11,78             | m               | 0 20                            | - 0,92          | 10,86  |                          |                |               |           |            |                       |                    |                      |
| September 6 Arm West, Kr. B |               |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                    |                      |
| I                           | Nadir         | P          | 0 7 12,14             | m               | 21 0                            | - 0,92          | 11,22  |                          |                |               |           |            |                       |                    |                      |
| 1                           | Talcott 144   | "          | 165 53 52,02          | a               | 21 27                           | + 5,28          | 11,25  | 14 13 13,95              | +14,27         | +15,0         | 766,6     | 0 14,63    | -27,22                | 0,00               | 14 13 1,36           |
| 2                           | " 145         | "          | 194 26 10,35          | "               | 21 40                           | + 5,79          | 11,27  | 14 19 4,87               | +14,25         | +15,0         | 766,5     | 0 14,74    | +28,13                | "                  | 14 19 47,74          |
| 3                           | " 146         | "          | 165 56 37,18          | "               | 21 48                           | + 5,35          | 11,28  | 14 10 28,75              | +14,24         | +15,0         | 766,5     | 0 14,58    | -26,57                | "                  | 14 10 16,76          |
| 4                           | " 147         | "          | 186 8 52,87           | "               | 21 54*                          | + 5,74          | 11,29  | 6 1 47,32                | +14,23         | +15,0         | 766,4     | 0 6,10     | +27,71                | "                  | 6 2 21,13            |

August 29. (5) irrtümlich beobachtet statt Talcott 139. Aug. 30. Luft 2; (16) beob. Füsse nach Süden. Sept. 6. Luft 1-2, bisweilen dünne Wolken; (4) t + 10s.

| Nr.                          | Stern       | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                     | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|------------------------------|-------------|------------|-----------------------|-----------------|--------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1900 September 6 (Forts.)    |             |            |                       |                 |                                |                 |        |                          |                |               |           |            |                       |                     |                      |
| 5                            | Talcott 148 | P          | 173° 54' 56" 98       | a               | 22 <sup>h</sup> 5 <sup>m</sup> | + 4" 94         | 11" 30 | 6° 12' 9" 38             | +14,21         | +14,9         | 766,4     | 0' 6" 28   | -26" 62               | 0" 00               | 6° 11' 49" 04        |
| 6                            | " 149       | "          | 169 28 22,80          | "               | 22 10                          | + 5,06          | 11,31  | 10 38 43,45              | +14,19         | +14,9         | 766,4     | 0 10,85    | -26,01                | "                   | 10 38 28,29          |
| 7                            | " 150       | "          | 190 41 21,18          | "               | 22 19                          | + 5,88          | 11,32  | 10 34 15,74              | +14,16         | +14,9         | 766,4     | 0 10,78    | +27,31                | "                   | 10 34 53,83          |
| 8                            | " 151       | "          | 167 38 53,35          | "               | 22 25                          | + 5,35          | 11,32  | 12 28 12,62              | +14,15         | +14,9         | 766,4     | 0 12,77    | -25,13                | "                   | 12 28 0,26           |
| 9                            | " 152       | "          | 192 33 35,25          | "               | 22 38                          | + 5,41          | 11,34  | 12 26 29,32              | +14,11         | +14,9         | 766,4     | 0 12,74    | +26,81                | "                   | 12 27 8,37           |
| 10                           | " 153       | "          | 172 42 0,12           | "               | 22 50                          | + 5,50          | 11,35  | 7 25 5,73                | +14,07         | +14,9         | 766,4     | 0 7,52     | -24,33                | "                   | 7 24 48,92           |
| 11                           | " 154       | "          | 187 25 35,38          | "               | 22 57                          | + 5,54          | 11,36  | 7 18 29,56               | +14,05         | +14,9         | 766,3     | 0 7,41     | +25,57                | "                   | 7 19 2,54            |
| 12                           | " 155       | "          | 169 10 41,78          | "               | 23 5                           | + 5,53          | 11,37  | 10 56 24,06              | +14,02         | +14,8         | 766,3     | 0 11,17    | -22,99                | "                   | 10 56 12,24          |
| 13                           | " 156       | "          | 191 2 10,90           | "               | 23 15                          | + 5,37          | 11,39  | 10 55 4,88               | +13,98         | +14,8         | 766,2     | 0 11,14    | +25,11                | "                   | 10 55 41,13          |
| 14                           | " 157       | "          | 180 31 47,30          | "               | 23 32                          | + 4,95          | 11,40  | 0 24 40,85               | +13,91         | +14,7         | 766,1     | 0 0,41     | +22,78                | "                   | 0 25 4,04            |
| 15                           | " 158       | "          | 179 40 12,65          | "               | 23 39                          | + 5,01          | 11,41  | 0 26 53,75               | +13,89         | +14,7         | 766,1     | 0 0,45     | -22,14                | "                   | 0 26 32,06           |
| II                           | Nadir       | "          | 0 7 12,36             | m               | 0 0                            | - 0,92          | 11,44  |                          |                |               |           |            |                       |                     |                      |
| September 14 Arm West, Kr. B |             |            |                       |                 |                                |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                            | Nadir       | P          | 0 7 12,45             | m               | 20 10                          | - 0,92          | 11,53  |                          |                |               |           |            |                       |                     |                      |
| 1                            | Talcott 139 | "          | 183 39 9,68           | b               | 20 28                          | - 7,29          | 11,45  | 3 31 50,94               | +11,30         | +13,0         | 772,2     | 0 3,63     | +30,03                | 0,00                | 3 32 24,60           |
| 2                            | " 140       | "          | 176 37 2,80           | "               | 20 38                          | - 7,10          | 11,41  | 3 30 15,71               | +11,22         | +13,0         | 772,2     | 0 3,60     | -30,36                | "                   | 3 29 48,95           |
| 3                            | " 141       | "          | 175 2 58,70           | "               | 20 44                          | - 7,36          | 11,39  | 5 4 20,05                | +11,18         | +12,9         | 772,1     | 0 5,22     | -30,41                | "                   | 5 3 54,86            |
| 4                            | " 142       | "          | 185 8 12,42           | "               | 20 58                          | - 6,72          | 11,33  | 5 0 54,37                | +11,06         | +12,8         | 772,1     | 0 5,16     | +30,35                | "                   | 5 1 29,88            |
| 5                            | " 143       | "          | 194 26 58,25          | "               | 21 17                          | - 6,62          | 11,25  | 14 19 40,38              | +10,93         | +12,7         | 772,0     | 0 15,03    | +30,09                | "                   | 14 20 25,50          |
| 6                            | " 144       | "          | 165 54 1,62           | "               | 21 27                          | - 7,13          | 11,21  | 14 13 16,72              | +10,86         | +12,7         | 772,0     | 0 14,92    | -29,79                | "                   | 14 13 1,85           |
| 7                            | " 145       | "          | 194 26 20,12          | "               | 21 40                          | - 6,63          | 11,15  | 14 19 2,34               | +10,77         | +12,6         | 771,9     | 0 15,03    | +30,09                | "                   | 14 19 47,46          |
| 8                            | " 146       | "          | 165 56 46,58          | "               | 21 48                          | - 7,07          | 11,12  | 14 10 31,61              | +10,73         | +12,6         | 771,9     | 0 14,88    | -29,24                | "                   | 14 10 17,25          |
| 9                            | " 147       | "          | 186 9 3,10            | "               | 21 54                          | - 6,70          | 11,09  | 6 1 45,31                | +10,67         | +12,5         | 771,9     | 0 6,21     | +29,97                | "                   | 6 2 21,49            |
| 10                           | " 148       | "          | 173 55 6,25           | "               | 22 5                           | - 7,48          | 11,05  | 6 12 12,28               | +10,62         | +12,5         | 771,9     | 0 6,40     | -29,21                | "                   | 6 11 49,47           |
| 11                           | " 149       | "          | 169 28 32,22          | "               | 22 10                          | - 7,35          | 11,03  | 10 38 46,16              | +10,61         | +12,5         | 771,9     | 0 11,08    | -28,70                | "                   | 10 38 28,54          |
| 12                           | " 150       | "          | 190 41 28,98          | "               | 22 19*                         | - 5,20          | 10,99  | 10 34 12,79              | +10,60         | +12,5         | 771,9     | 0 11,00    | +29,49                | "                   | 10 34 53,28          |
| 13                           | " 151       | "          | 167 39 3,12           | "               | 22 25                          | - 7,06          | 10,96  | 12 28 14,90              | +10,60         | +12,4         | 771,9     | 0 13,03    | -27,89                | "                   | 12 28 0,04           |
| 14                           | " 152       | "          | 192 33 44,35          | "               | 22 38                          | - 7,01          | 10,91  | 12 26 26,43              | +10,58         | +12,4         | 771,9     | 0 13,00    | +28,96                | "                   | 12 27 8,39           |
| 15                           | " 153       | "          | 172 42 8,72           | "               | 22 51                          | - 6,91          | 10,85  | 7 25 9,04                | +10,57         | +12,4         | 771,9     | 0 7,67     | -27,05                | "                   | 7 24 49,66           |
| 16                           | " 154       | "          | 187 25 44,65          | "               | 22 57                          | - 6,88          | 10,83  | 7 18 26,94               | +10,56         | +12,4         | 771,9     | 0 7,56     | +27,92                | "                   | 7 19 2,42            |
| 17                           | " 155       | "          | 169 10 51,00          | "               | 23 5                           | - 6,88          | 10,80  | 10 56 26,68              | +10,56         | +12,4         | 771,9     | 0 11,39    | -25,77                | "                   | 10 56 12,30          |
| 18                           | " 156       | "          | 191 2 19,55           | "               | 23 15                          | - 7,05          | 10,75  | 10 55 1,75               | +10,55         | +12,4         | 771,9     | 0 11,37    | +27,33                | "                   | 10 55 40,45          |
| II                           | Nadir       | "          | 0 7 11,61             | m               | 23 30                          | - 0,92          | 10,69  |                          |                |               |           |            |                       |                     |                      |
| September 15 Arm West, Kr. B |             |            |                       |                 |                                |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                            | Talcott 134 | B          | 178 6 25,75           | a               | 19 45                          | + 5,13          | 10,60  | 2 0 39,72                | +13,31         | +14,1         | 768,2     | 0 2,04     | -29,34                | 0,00                | 2 0 12,42            |
| 2                            | " 135       | "          | 175 50 53,90          | "               | 19 55                          | + 5,23          | 10,60  | 4 16 11,47               | +13,28         | +14,1         | 768,2     | 0 4,34     | -29,77                | "                   | 4 15 46,04           |
| 3                            | " 136       | "          | 184 19 9,32           | "               | 20 2                           | + 5,16          | 10,60  | 4 12 3,88                | +13,23         | +14,0         | 768,2     | 0 4,27     | +29,59                | "                   | 4 12 37,74           |
| 4                            | " 137       | "          | 182 20 23,92          | "               | 20 14                          | + 5,12          | 10,60  | 2 13 18,44               | +13,13         | +14,0         | 768,1     | 0 2,25     | +30,04                | "                   | 2 13 50,73           |
| 5                            | " 138       | "          | 177 54 55,90          | "               | 20 22                          | + 5,25          | 10,60  | 2 12 9,45                | +13,07         | +14,0         | 768,1     | 0 2,29     | -30,37                | "                   | 2 11 41,37           |
| 6                            | " 139       | "          | 183 38 56,25          | "               | 20 28                          | + 5,13          | 10,60  | 3 31 50,78               | +13,03         | +14,0         | 768,1     | 0 3,59     | +30,30                | "                   | 3 32 24,67           |
| 7                            | " 140       | "          | 176 36 49,82          | "               | 20 38                          | + 5,32          | 10,60  | 3 30 15,46               | +12,94         | +13,9         | 768,1     | 0 3,56     | -30,63                | "                   | 3 29 48,39           |
| I                            | Nadir       | "          | 0 7 11,52             | m               | 21 10                          | - 0,92          | 10,60  |                          |                |               |           |            |                       |                     |                      |
| 8                            | " 155       | "          | 169 10 37,40          | "               | 23 5                           | + 5,53          | 10,45  | 10 56 27,52              | +11,60         | +13,1         | 767,9     | 0 11,29    | -26,17                | "                   | 10 56 12,64          |
| 9                            | " 156       | "          | 191 2 6,95            | "               | 23 15                          | + 5,37          | 10,44  | 10 55 1,88               | +11,58         | +13,1         | 767,9     | 0 11,27    | +27,66                | "                   | 10 55 40,81          |
| 10                           | " 157       | "          | 180 31 43,52          | "               | 23 32                          | + 4,95          | 10,42  | 0 24 38,05               | +11,53         | +13,0         | 767,9     | 0 0,42     | +25,67                | "                   | 0 25 4,14            |

Sept. 6. (14) beob. Füsse nach Norden. Sept. 14. Luft 2-3; (12) t + 81°. Sept. 15. (1) Füsse nach Süden.

| Nr.                         | Stern       | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                      | Summe der Corr. | Nadir | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|-----------------------------|-------------|------------|-----------------------|-----------------|---------------------------------|-----------------|-------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1900 September 15 (Forts.)  |             |            |                       |                 |                                 |                 |       |                          |                |               |           |            |                       |                     |                      |
| I 11                        | Talcott 158 | B          | 179° 40' 8" 28        | a               | 23 <sup>h</sup> 39 <sup>m</sup> | +5,01           | 10,41 | 0° 26' 57" 12            | +11,51         | +13,0         | 767,8     | 0' 0" 46   | -25,04                | 0,00                | 0° 26' 32" 54        |
| I 12                        | " 159       | "          | 193 32 12,25          | "               | 23 50                           | +5,70           | 10,39 | 13 25 7,56               | +11,48         | +13,0         | 767,8     | 0 13,94    | +25,94                | "                   | 13 25 47,44          |
| I 13                        | " 160       | "          | 166 43 44,47          | "               | 23 59                           | +5,17           | 10,38 | 13 23 20,74              | +11,45         | +13,0         | 767,8     | 0 13,91    | -21,77                | "                   | 13 23 12,88          |
| II                          | Nadir       | "          | 0 7 11,25             | m               | 0 40                            | -0,92           | 10,33 |                          |                |               |           |            |                       |                     |                      |
| September 20 Arm Ost, Kr. A |             |            |                       |                 |                                 |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                           | Nadir       | B          | 0 7 39,05             | m               | 21 55                           | -0,33           | 38,72 |                          |                |               |           |            |                       |                     |                      |
| 1                           | Talcott 150 | "          | 190 41 43,92          | b               | 22 19                           | +5,98           | 38,62 | 10 34 11,28              | + 9,26         | +11,4         | 772,7     | 0 11,06    | +31,09                | 0,00                | 10 34 53,43          |
| 2                           | " 151       | "          | 167 39 29,10          | a               | 22 25                           | -7,04           | 38,60 | 12 28 16,54              | + 9,18         | +11,4         | 772,7     | 0 13,11    | -29,96                | "                   | 12 27 59,69          |
| 3                           | " 152       | "          | 192 33 58,78          | b               | 22 38                           | +5,44           | 38,54 | 12 26 25,68              | + 8,98         | +11,3         | 772,7     | 0 13,09    | +30,57                | "                   | 12 27 9,34           |
| 4                           | " 153       | "          | 172 42 34,62          | a               | 22 50                           | -7,10*          | 38,49 | 7 25 10,97               | + 8,91         | +11,3         | 772,7     | 0 7,73     | -29,11                | "                   | 7 24 49,59           |
| 5                           | " 154       | "          | 187 25 57,62          | b               | 22 57                           | +5,66           | 38,46 | 7 18 24,82               | + 8,93         | +11,3         | 772,7     | 0 7,61     | +29,68                | "                   | 7 19 2,11            |
| 6                           | " 155       | "          | 169 11 16,95          | a               | 23 5                            | -7,07*          | 38,43 | 10 56 28,55              | + 8,96         | +11,3         | 772,7     | 0 11,47    | -27,93                | "                   | 10 56 12,09          |
| 7                           | " 156       | "          | 191 2 33,42           | b               | 23 15                           | +5,74*          | 38,39 | 10 55 0,77               | + 8,99         | +11,4         | 772,7     | 0 11,44    | +29,04                | "                   | 10 55 41,25          |
| 8                           | " 157       | "          | 180 32 9,82           | b               | 23 32                           | +5,79           | 38,32 | 0 24 37,29               | + 9,08         | +11,4         | 772,6     | 0 0,42     | +27,29                | "                   | 0 25 5,00            |
| 9                           | " 158       | "          | 179 40 47,20          | a               | 23 39                           | -6,89           | 38,28 | 0 26 57,97               | + 9,12         | +11,3         | 772,6     | 0 0,47     | -26,68                | "                   | 0 26 31,76           |
| 10                          | " 159       | "          | 193 32 39,58          | b               | 23 50                           | +5,54           | 38,24 | 13 25 6,88               | + 9,18         | +11,3         | 772,5     | 0 14,14    | +27,30                | "                   | 13 25 48,32          |
| 11                          | " 160       | "          | 166 44 24,27          | a               | 23 59                           | -7,27           | 38,20 | 13 23 21,20              | + 9,23         | +11,3         | 772,5     | 0 14,11    | -23,60                | "                   | 13 23 11,71          |
| II                          | Nadir       | "          | 0 7 38,40             | m               | 0 30                            | -0,33           | 38,07 |                          |                |               |           |            |                       |                     |                      |
| September 21 Arm Ost, Kr. A |             |            |                       |                 |                                 |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                           | Nadir       | P          | 0 7 39,96             | m               | 20 20                           | -0,33           | 39,63 |                          |                |               |           |            |                       |                     |                      |
| 3                           | Talcott 140 | "          | 176 37 17,78          | b               | 20 38                           | +5,25           | 39,59 | 3 30 16,56               | +10,93         | +13,1         | 770,9     | 0 3,60     | -31,92                | 0,00                | 3 29 48,24           |
| 4                           | " 141       | "          | 175 3 11,58           | "               | 20 44                           | +5,94           | 39,57 | 5 4 22,05                | +10,93         | +13,1         | 770,9     | 0 5,22     | -32,05                | "                   | 5 3 55,22            |
| 5                           | " 142       | "          | 185 8 26,50           | "               | 20 58                           | +6,32           | 39,53 | 5 0 53,29                | +10,93         | +13,1         | 770,9     | 0 5,16     | +31,90                | "                   | 5 1 30,35            |
| 6                           | " 143       | "          | 194 27 12,00          | "               | 21 17*                          | +5,98           | 39,48 | 14 19 38,50              | +10,96         | +13,0         | 770,9     | 0 15,01    | +31,53                | "                   | 14 20 25,04          |
| 7                           | " 144       | "          | 165 54 15,45          | "               | 21 27                           | +5,08           | 39,45 | 14 13 18,92              | +10,98         | +13,0         | 770,8     | 0 14,89    | -31,86                | "                   | 14 13 1,95           |
| 8                           | " 145       | "          | 194 26 34,08          | "               | 21 40                           | +6,00           | 39,42 | 14 19 0,66               | +11,00         | +13,0         | 770,8     | 0 14,99    | +31,64                | "                   | 14 19 47,29          |
| 9                           | " 146       | "          | 165 57 1,00           | "               | 21 48                           | +5,08           | 39,40 | 14 10 33,32              | +11,02         | +12,9         | 770,7     | 0 14,84    | -31,43                | "                   | 14 10 16,73          |
| 10                          | " 147       | "          | 186 9 17,08           | "               | 21 54                           | +5,86           | 39,38 | 6 1 43,56                | +11,03         | +12,9         | 770,7     | 0 6,19     | +31,80                | "                   | 6 2 21,55            |
| 11                          | " 148       | "          | 173 55 19,72          | "               | 22 5                            | +5,07           | 39,35 | 6 12 14,56               | +11,02         | +12,9         | 770,7     | 0 6,39     | -31,37                | "                   | 6 11 49,58           |
| 12                          | " 149       | "          | 169 28 45,85          | "               | 22 10                           | +5,33           | 39,33 | 10 38 48,15              | +11,01         | +12,9         | 770,7     | 0 11,04    | -30,96                | "                   | 10 38 28,23          |
| 13                          | " 150       | "          | 190 41 45,00          | "               | 22 19                           | +5,98           | 39,31 | 10 34 11,67              | +11,00         | +12,9         | 770,6     | 0 10,96    | +31,30                | "                   | 10 34 53,93          |
| 14                          | " 151       | "          | 167 39 16,75          | "               | 22 25                           | +5,38           | 39,30 | 12 28 17,17              | +10,99         | +12,9         | 770,6     | 0 12,99    | -30,25                | "                   | 12 27 59,91          |
| 15                          | " 152       | "          | 192 33 59,08          | "               | 22 38                           | +5,44           | 39,26 | 12 26 25,26              | +10,97         | +12,8         | 770,6     | 0 12,96    | +30,78                | "                   | 12 27 9,00           |
| 16                          | " 153       | "          | 172 42 22,88          | "               | 22 50                           | +5,32           | 39,23 | 7 25 11,03               | +10,96         | +12,8         | 770,6     | 0 7,65     | -29,39                | "                   | 7 24 49,29           |
| 17                          | " 154       | "          | 187 25 58,32          | "               | 22 57                           | +5,66           | 39,21 | 7 18 24,77               | +10,95         | +12,8         | 770,5     | 0 7,53     | +29,93                | "                   | 7 19 2,23            |
| 18                          | " 155       | "          | 169 11 5,20           | "               | 23 5                            | +5,35           | 39,19 | 10 56 28,64              | +10,94         | +12,8         | 770,5     | 0 11,36    | -28,24                | "                   | 10 56 11,76          |
| II                          | Nadir       | "          | 0 7 39,46             | m               | 23 25                           | -0,33           | 39,13 |                          |                |               |           |            |                       |                     |                      |
| October 8 Arm Ost, Kr. A    |             |            |                       |                 |                                 |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                           | Nadir       | P          | 0 7 40,54             | m               | 21 50                           | -0,33           | 40,21 |                          |                |               |           |            |                       |                     |                      |
| 1                           | Talcott 149 | "          | 169 28 42,52          | b               | 22 11                           | +5,22           | 40,18 | 10 38 52,44              | +14,42         | +15,8         | 771,2     | 0 10,92    | -35,73                | 0,00                | 10 38 27,63          |
| 2                           | " 150       | "          | 190 41 42,00          | "               | 22 19                           | +5,87           | 40,17 | 10 34 7,70               | +14,33         | +15,7         | 771,2     | 0 10,84    | +34,96                | "                   | 10 34 53,50          |
| 3                           | " 151       | "          | 167 39 12,28          | "               | 22 25                           | +5,27           | 40,17 | 12 28 22,62              | +14,27         | +15,7         | 771,2     | 0 12,85    | -35,28                | "                   | 12 28 0,19           |
| 4                           | " 152       | "          | 192 33 56,52          | "               | 22 38                           | +5,33           | 40,15 | 12 26 21,70              | +14,14         | +15,5         | 771,2     | 0 12,82    | +34,47                | "                   | 12 27 8,99           |
| 5                           | " 154       | "          | 187 25 55,22          | "               | 22 57                           | +5,55           | 40,14 | 7 18 20,63               | +13,93         | +15,4         | 771,2     | 0 7,46     | +34,14                | "                   | 7 19 2,23            |
| 6                           | " 155       | "          | 169 11 0,45           | "               | 23 5                            | +5,24           | 40,13 | 10 56 34,44              | +13,85         | +15,3         | 771,2     | 0 11,25    | -33,61                | "                   | 10 56 12,08          |

Sept. 20. Luft 3; um etwa 23<sup>h</sup> Luft neblig, schliesslich Sterne schwach; (4) Strich 40'; (7) Strich 0'; (8) unsicher. Sept. 21. Luft 2, nachher Wolken; (6) t + 10s; (18) sehr schwach, verschwindet bei der Einstellung. Oct. 1. Ein Fäserchen von den Horizontalfäden entfernt. Oct. 8. Luft 1-2.

| Nr.                        | Stern          | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                      | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|----------------------------|----------------|------------|-----------------------|-----------------|---------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1900 October 8 (Forts.)    |                |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| 7                          | Talcott 156    | P          | 191° 2' 30" 98        | b               | 23 <sup>h</sup> 15 <sup>m</sup> | + 5" 92         | 40" 11 | 10° 54' 56" 79           | +13,75         | +15,2         | 771,2     | 0' 11" 22  | +33" 31               | 0" 00               | 10° 55' 41" 32       |
| 8                          | " 157          | "          | 180 32 6,30           | "               | 23 32                           | + 5,68          | 40,09  | 0 24 31,89               | +13,62         | +15,1         | 771,2     | 0 0,42     | +32,43                | "                   | 0 25 4,74            |
| 9                          | " 158          | "          | 179 40 30,68          | "               | 23 39                           | + 5,42          | 40,07  | 0 27 3,97                | +13,61         | +15,1         | 771,2     | 0 0,46     | -31,92                | "                   | 0 26 32,51           |
| 10                         | " 159          | "          | 193 32 37,30          | "               | 23 50*                          | + 5,43          | 40,06  | 13 25 2,67               | +13,60         | +15,0         | 771,2     | 0 13,89    | +31,47                | "                   | 13 25 48,03          |
| 11                         | " 160          | "          | 166 44 7,00           | "               | 23 59                           | + 5,04          | 40,05  | 13 23 28,01              | +13,59         | +15,0         | 771,2     | 0 13,86    | -29,67                | "                   | 13 23 12,20          |
| 12                         | " 1            | "          | 189 13 51,12          | "               | 0 12                            | + 5,46          | 40,03  | 9 6 16,55                | +13,57         | +15,0         | 771,1     | 0 9,33     | +29,92                | "                   | 9 6 55,80            |
| 13                         | " 2            | "          | 170 59 59,00          | "               | 0 20                            | + 5,08          | 40,02  | 9 7 35,94                | +13,56         | +15,0         | 771,1     | 0 9,36     | -28,08                | "                   | 9 7 17,22            |
| 14                         | " 3            | "          | 177 55 49,85          | "               | 0 29                            | + 5,38          | 40,01  | 2 11 44,78               | +13,55         | +14,9         | 771,1     | 0 2,23     | -27,89                | "                   | 2 11 19,12           |
| 15                         | " 4            | "          | 182 18 34,45          | "               | 0 38                            | + 5,06          | 40,00  | 2 10 59,51               | +13,54         | +14,9         | 771,1     | 0 2,22     | +27,41                | "                   | 2 11 29,14           |
| 16                         | " 5            | "          | 173 14 55,25          | "               | 0 42                            | + 5,02          | 39,99  | 6 52 39,72               | +13,54         | +14,9         | 771,1     | 0 7,02     | -26,17                | "                   | 6 52 20,57           |
| 17                         | " 6            | "          | 186 58 25,55          | "               | 0 53                            | + 5,68          | 39,98  | 6 50 51,25               | +13,45         | +14,9         | 771,0     | 0 6,99     | +26,34                | "                   | 6 51 24,58           |
| 18                         | " 7            | "          | 171 14 1,82           | "               | 0 59                            | + 5,46          | 39,97  | 8 52 32,69               | +13,38         | +14,8         | 771,0     | 0 9,10     | -24,14                | "                   | 8 53 17,65           |
| 19                         | " 8            | "          | 188 51 46,42          | "               | 1 4                             | + 5,50          | 39,96  | 8 44 11,96               | +13,32         | +14,8         | 771,0     | 0 8,96     | +25,54                | "                   | 8 44 46,46           |
| 20                         | " 9            | "          | 174 34 16,18          | "               | 1 15                            | + 5,11          | 39,95  | 5 33 18,66               | +13,21         | +14,7         | 771,0     | 0 5,67     | -22,80                | "                   | 5 33 1,53            |
| 21                         | " 10           | "          | 185 46 56,50          | "               | 1 25                            | + 5,77          | 39,93  | 5 39 22,34               | +13,08         | +14,7         | 771,0     | 0 5,78     | +23,00                | "                   | 5 39 51,12           |
| 22                         | " 11           | "          | 195 32 46,62          | "               | 1 30                            | + 5,43          | 39,93  | 15 25 12,12              | +13,02         | +14,7         | 771,0     | 0 16,09    | +23,66                | "                   | 15 25 51,87          |
| 23                         | " 12           | "          | 164 44 37,42          | "               | 1 36                            | + 5,54          | 39,92  | 15 22 56,96              | +12,95         | +14,6         | 771,0     | 0 16,05    | -18,94                | "                   | 15 22 54,07          |
| II                         | Nadir          | "          | 0 7 40,22             | m               | 2 0                             | - 0,33          | 39,89  |                          |                |               |           |            |                       |                     |                      |
| October 9 Arm Ost, Kr. A   |                |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                          | Nadir          | B          | 0 7 40,81             | m               | 22 25                           | - 0,33          | 40,48  |                          |                |               |           |            |                       |                     |                      |
| 1                          | Talcott 153    | "          | 172 42 19,22          | b               | 22 50                           | + 5,21          | 40,44  | 7 25 16,01               | +15,21         | +15,9         | 766,3     | 0 7,49     | -34,73                | 0,00                | 7 24 48,77           |
| 2                          | " 154          | "          | 187 26 7,90           | a               | 22 57                           | - 6,65          | 40,43  | 7 18 20,82               | +15,24         | +16,0         | 766,3     | 0 7,38     | +34,36                | "                   | 7 19 2,56            |
| 3                          | " 155          | "          | 169 11 0,37           | b               | 23 5                            | + 5,24          | 40,41  | 10 56 34,80              | +15,27         | +16,0         | 766,2     | 0 11,12    | -33,89                | "                   | 10 56 12,03          |
| 4                          | " 156          | "          | 191 2 43,90           | a               | 23 15                           | - 6,28          | 40,39  | 10 54 57,23              | +15,27         | +16,1         | 766,2     | 0 11,09    | +33,53                | "                   | 10 55 41,85          |
| 5                          | " 157          | "          | 180 32 19,27          | a               | 23 32                           | - 6,52          | 40,36  | 0 24 32,39               | +15,21         | +16,1         | 766,0     | 0 0,41     | +32,70                | "                   | 0 25 5,50            |
| 6                          | " 158          | "          | 179 40 31,42          | b               | 23 39                           | + 5,42          | 40,35  | 0 27 3,51                | +15,21         | +16,1         | 766,0     | 0 0,45     | -32,20                | "                   | 0 26 31,76           |
| 7                          | " 159          | "          | 193 32 49,85          | a               | 23 50*                          | - 6,54          | 40,33  | 13 25 2,98               | +15,31         | +16,1         | 765,9     | 0 13,72    | +31,69                | "                   | 13 25 48,39          |
| 8                          | " 160          | "          | 166 44 7,05           | b               | 23 59                           | + 5,04          | 40,32  | 13 23 28,23              | +15,39         | +16,1         | 765,9     | 0 13,68    | -30,00                | "                   | 13 23 11,91          |
| 9                          | " 1            | "          | 189 14 4,35           | a               | 0 12                            | - 6,74          | 40,29  | 9 6 17,32                | +15,51         | +16,1         | 765,8     | 0 9,20     | +30,15                | "                   | 9 6 56,67            |
| 10                         | " 2            | "          | 170 59 59,55          | b               | 0 21                            | + 5,08          | 40,28  | 9 7 35,65                | +15,59         | +16,2         | 765,7     | 0 9,22     | -28,39                | "                   | 9 7 16,48            |
| 11                         | " 3            | "          | 177 55 50,17          | b               | 0 29                            | + 5,38          | 40,27  | 2 11 44,72               | +15,59         | +16,2         | 765,7     | 0 2,20     | -28,16                | "                   | 2 11 18,76           |
| 12                         | " 4            | "          | 182 18 47,00          | a               | 0 38                            | - 7,14          | 40,25  | 2 10 59,61               | +15,50         | +16,1         | 765,6     | 0 2,19     | +27,68                | "                   | 2 11 29,48           |
| 13                         | " 5            | "          | 173 14 55,45          | b               | 0 42                            | + 5,02          | 40,24  | 6 52 39,77               | +15,46         | +16,1         | 765,6     | 0 6,93     | -26,48                | "                   | 6 52 20,22           |
| 14                         | " 6            | "          | 186 58 38,75          | a               | 0 53                            | - 6,52          | 40,22  | 6 50 52,01               | +15,35         | +16,0         | 765,5     | 0 6,90     | +26,58                | "                   | 6 51 25,49           |
| 15                         | " 7            | "          | 171 14 2,00           | b               | 0 59                            | + 5,46          | 40,21  | 8 53 32,75               | +15,29         | +16,0         | 765,5     | 0 8,99     | -24,44                | "                   | 8 53 17,30           |
| 16                         | " 8            | "          | 188 51 59,38          | a               | 1 4                             | - 6,70          | 40,20  | 8 44 12,48               | +15,24         | +16,0         | 765,4     | 0 8,83     | +25,75                | "                   | 8 44 47,06           |
| II                         | Nadir          | "          | 0 7 40,49             | m               | 1 30                            | - 0,33          | 40,16  |                          |                |               |           |            |                       |                     |                      |
| November 23 Arm Ost, Kr. A |                |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                          | Nadir          | P          | 0 7 33,42             | m               | 0 20                            | - 0,33          | 33,09  |                          |                |               |           |            |                       |                     |                      |
| 3                          | Holmes 104     | "          | 214 39 47,20          | b               | 1 17                            | + 5,18          | 33,09  | 34 32 19,29              | + 1,37         | + 3,2         | 757,6     | 0 41,19    | +28,86                | 0,00                | 34 33 29,34          |
| December 10 Arm Ost, Kr. B |                |            |                       |                 |                                 |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                          | Nadir          | P          | 0 7 29,68             | m               | 0 45                            | - 0,97          | 28,71  |                          |                |               |           |            |                       |                     |                      |
| 3                          | A.G.Berl.A.373 | "          | 145 36 16,75          | b               | 1 16                            | - 7,10          | 28,85  | 34 31 19,20              | + 2,07         | + 4,3         | 772,3     | 0 41,84    | +28,84                | 0,00                | 34 32 29,88          |
| 7                          | Holmes 114     | "          | 171 4 36,48           | "               | 2 5                             | - 6,82          | 29,08  | 9 2 59,42                | + 2,10         | + 4,2         | 772,2     | 0 9,69     | +30,35                | "                   | 9 3 39,46            |
| 8                          | " 138          | "          | 168 14 19,28          | "               | 2 26                            | - 6,87          | 29,18  | 11 53 16,77              | + 2,01         | + 4,1         | 772,1     | 0 12,81    | +27,34                | "                   | 11 53 56,92          |

Oct. 8. (10) t + 12<sup>s</sup>. Oct. 9. Luft zuerst 2-3, nachher 3-4; (7) t + 29<sup>s</sup>; (8) und (9) durch Wolken geschwächt.  
 Nov. 23. Luft 2-3, Wolken. Dec. 10. Luft 2-3, feucht, bisweilen Wolken, Feldbeleuchtung sehr schlecht.

| Nr.                           | Stern       | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                     | Summe der Corr. | Nadir | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|-------------------------------|-------------|------------|-----------------------|-----------------|--------------------------------|-----------------|-------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1900 December 10 (Forts.)     |             |            |                       |                 |                                |                 |       |                          |                |               |           |            |                       |                     |                      |
| 10                            | Holmes 123  | P          | 177° 12' 39" 77       | b               | 2 <sup>h</sup> 41 <sup>m</sup> | -6" 63          | 29,25 | 2° 54' 56" 11            | + 1,86         | + 3,9         | 772,1     | 0' 3" 10   | +26' 70               | 0" 00               | 2° 55' 25" 91        |
| 11                            | " 130       | "          | 168 46 59,97          | "               | 3 6                            | -7,32           | 29,36 | 11 20 36,71              | + 1,61         | + 3,6         | 772,0     | 0 12,23    | +22,07                | "                   | 11 21 11,01          |
| 12                            | " 136       | "          | 170 17 15,45          | "               | 3 13                           | -7,40           | 29,40 | 9 50 21,35               | + 1,55         | + 3,5         | 772,0     | 0 10,57    | +21,38                | "                   | 9 50 53,30           |
| II                            | Nadir       | "          | 0 7 30,56             | m               | 3 55                           | -0,97           | 29,59 |                          |                |               |           |            |                       |                     |                      |
| December 19 Arm Ost, Kr. B    |             |            |                       |                 |                                |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                             | Nadir       | P          | 0 7 29,98             | m               | 0 55                           | -0,97           | 29,01 |                          |                |               |           |            |                       |                     |                      |
| 2                             | Holmes 104  | "          | 145 35 17,45          | b               | 1 17                           | -6,95           | 29,08 | 34 32 18,58              | + 4,62         | + 5,7         | 768,4     | 0 41,26    | +28,51                | 0,00                | 34 33 28,35          |
| 5                             | " 114       | "          | 171 4 36,92           | "               | 2 5                            | -6,82           | 29,25 | 9 2 59,15                | + 4,32         | + 5,3         | 768,7     | 0 9,57     | +31,15                | "                   | 9 3 39,87            |
| 6                             | " 138       | "          | 168 14 20,35          | "               | 2 26                           | -6,86           | 29,32 | 11 53 15,83              | + 4,18         | + 5,2         | 768,8     | 0 12,66    | +28,12                | "                   | 11 53 56,61          |
| 8                             | " 123       | "          | 177 12 40,82          | "               | 2 41                           | -6,63           | 29,37 | 2 54 55,18               | + 4,07         | + 5,0         | 768,9     | 0 3,06     | +27,92                | "                   | 2 55 26,16           |
| 11                            | " 131       | "          | 174 25 5,05           | "               | 3 8                            | -6,81           | 29,47 | 5 42 31,23               | + 3,81         | + 4,8         | 768,8     | 0 6,02     | +23,69                | "                   | 5 43 0,94            |
| 12                            | " 136       | "          | 170 17 15,65          | "               | 3 13                           | -7,40           | 29,49 | 9 50 21,24               | + 3,77         | + 4,7         | 768,7     | 0 10,44    | +22,42                | "                   | 9 50 54,10           |
| II                            | Nadir       | "          | 0 7 30,65             | m               | 4 10                           | -0,97           | 29,68 |                          |                |               |           |            |                       |                     |                      |
| 15                            | ♃ Tauri     | "          | 149 25 46,45          | b               | 4 59                           | -6,96           | 29,70 | 30 41 50,21              | + 3,05         | + 3,1         | 768,4     | 0 35,82    | + 4,00                | "                   | 30 42 30,03          |
| 16                            | ♃ Tauri     | "          | 150 9 6,72            | "               | 5 11                           | -6,69           | 29,71 | 29 58 29,68              | + 3,05         | + 3,1         | 768,3     | 0 34,79    | + 2,26                | "                   | 29 59 6,73           |
| 17                            | ♃ Tauri     | "          | 149 58 26,65          | "               | 5 15*                          | -5,98           | 29,71 | 30 9 9,04                | + 3,05         | + 3,1         | 768,3     | 0 35,04    | + 1,70                | "                   | 30 9 45,78           |
| 18                            | ♃ Neptun d  | "          | 151 11 25,70          | "               | 5 23                           | -7,09           | 29,72 | 28 56 11,11              | + 3,06         | + 3,1         | 768,3     | 0 33,35    | + 0,49                | "                   | 28 56 44,95          |
| 19                            | " g         | "          | 150 28 54,22          | "               | 5 31                           | -6,96           | 29,72 | 29 38 42,46              | + 3,08         | + 3,1         | 768,2     | 0 34,32    | - 0,56                | "                   | 29 39 16,22          |
| 20                            | " k         | "          | 151 8 13,65           | "               | 5 39                           | -6,70           | 29,72 | 28 59 22,77              | + 3,09         | + 3,1         | 768,2     | 0 33,42    | - 1,78                | "                   | 28 59 54,41          |
| 21                            | " n         | "          | 148 53 7,55           | "               | 5 43                           | -7,11           | 29,72 | 31 14 29,28              | + 3,10         | + 3,1         | 768,2     | 0 36,58    | - 2,45                | "                   | 31 15 3,41           |
| 22                            | " r         | "          | 148 14 18,72          | "               | 5 50                           | -6,96           | 29,73 | 31 53 17,97              | + 3,11         | + 3,1         | 768,1     | 0 37,51    | - 3,43                | "                   | 31 53 52,05          |
| 23                            | " s         | "          | 150 52 24,62          | "               | 5 56                           | -6,89           | 29,73 | 29 15 12,00              | + 3,12         | + 3,1         | 768,1     | 0 33,77    | - 4,29                | "                   | 29 15 41,48          |
| 24                            | " t         | "          | 151 14 53,32          | "               | 6 0                            | -6,94           | 29,73 | 28 52 43,35              | + 3,12         | + 3,1         | 768,0     | 0 33,25    | - 4,83                | "                   | 28 53 11,77          |
| 25                            | ♃ Geminorum | "          | 151 6 51,92           | "               | 6 5                            | -7,12           | 29,74 | 29 1 4,94                | + 3,13         | + 3,1         | 768,0     | 0 33,44    | - 5,64                | "                   | 29 1 32,74           |
| 26                            | ♃ Geminorum | "          | 150 30 34,82          | "               | 6 10                           | -7,22           | 29,74 | 29 36 42,14              | + 3,14         | + 3,1         | 768,0     | 0 34,26    | - 6,38                | "                   | 29 37 10,02          |
| III                           | Nadir       | "          | 0 7 30,72             | m               | 6 35                           | -0,97           | 29,75 |                          |                |               |           |            |                       |                     |                      |
| 1901 Januar 4 Arm West, Kr. B |             |            |                       |                 |                                |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                             | Nadir       | B          | 0 7 4,95              | m               | 4 45                           | -0,92           | 4,03  |                          |                |               |           |            |                       |                     |                      |
| 1                             | ♃ Tauri     | "          | 210 5 25,28           | a               | 5 11                           | +5,70           | 3,91  | 29 58 27,07              | - 5,54         | - 3,4         | 773,7     | 0 36,20    | - 2,15                | + 4,39              | 29 59 5,51           |
| 2                             | ♃ Tauri     | "          | 210 16 4,42           | "               | 5 15                           | +5,48           | 3,89  | 30 9 6,01                | - 5,49         | - 3,4         | 773,7     | 0 36,45    | - 2,42                | + 4,06              | 30 9 44,10           |
| 4                             | ♃ Neptun e  | "          | 210 57 35,12          | "               | 5 26                           | +5,60*          | 3,85  | 30 50 37,17              | - 5,35         | - 3,4         | 773,8     | 0 37,46    | - 3,19                | + 3,12              | 30 51 14,56          |
| 5                             | " g         | "          | 209 45 38,92          | "               | 5 31                           | +5,33           | 3,82  | 29 38 40,43              | - 5,29         | - 3,4         | 773,8     | 0 35,69    | - 3,33                | + 2,71              | 29 39 15,50          |
| 6                             | " i         | "          | 209 39 7,58           | "               | 5 38                           | +5,46           | 3,79  | 29 32 9,25               | - 5,22         | - 3,4         | 773,9     | 0 35,53    | - 3,76                | + 2,09              | 29 32 43,11          |
| 7                             | " m         | "          | 209 46 16,50          | "               | 5 43                           | +5,35           | 3,77  | 29 39 18,08              | - 5,21         | - 3,4         | 774,0     | 0 35,71    | - 4,10                | + 1,64              | 29 39 51,33          |
| 8                             | " o         | "          | 208 54 24,38          | "               | 5 47                           | +5,14           | 3,75  | 28 47 25,77              | - 5,21         | - 3,4         | 774,0     | 0 34,47    | - 4,29                | + 1,24              | 28 47 57,19          |
| 9                             | " q         | "          | 211 35 42,50          | "               | 5 55                           | +5,15           | 3,71  | 31 28 43,94              | - 5,24         | - 3,5         | 773,9     | 0 38,40    | - 5,01                | + 0,62              | 31 29 17,95          |
| 10                            | " t         | "          | 208 59 40,52          | "               | 6 0                            | +4,94           | 3,69  | 28 52 41,77              | - 5,33         | - 3,6         | 773,9     | 0 34,60    | - 5,08                | + 0,17              | 28 53 11,46          |
| 11                            | ♃ Geminorum | "          | 209 8 1,25            | "               | 6 5                            | +5,15           | 3,67  | 29 1 2,73                | - 5,42         | - 3,7         | 773,9     | 0 34,81    | - 5,44                | - 0,32              | 29 1 31,78           |
| 12                            | ♃ Geminorum | "          | 209 43 38,82          | "               | 6 10                           | +5,29           | 3,65  | 29 36 40,46              | - 5,50         | - 3,8         | 773,9     | 0 35,68    | - 5,81                | - 0,77              | 29 37 9,56           |
| II                            | Nadir       | "          | 0 7 4,18              | m               | 7 35                           | -0,92           | 3,26  |                          |                |               |           |            |                       |                     |                      |
| Januar 5 Arm West, Kr. B      |             |            |                       |                 |                                |                 |       |                          |                |               |           |            |                       |                     |                      |
| I                             | Nadir       | B          | 0 7 2,98              | m               | 4 25                           | -0,92           | 2,06  |                          |                |               |           |            |                       |                     |                      |
| 1                             | ♃ Tauri     | "          | 210 48 43,75          | a               | 4 59                           | +5,85           | 1,99  | 30 41 47,61              | - 6,01         | - 4,9         | 773,1     | 0 37,31    | - 1,47                | + 5,43              | 30 42 28,88          |
| 3                             | ♃ Tauri     | "          | 210 5 23,50           | "               | 5 11                           | +5,70           | 1,97  | 29 58 27,23              | - 6,17         | - 5,0         | 773,1     | 0 36,27    | - 2,12                | + 4,39              | 29 59 5,77           |

Dec. 19. Luft zuerst 3, nachher 2-3, neblig; Feldbeleuchtung schlecht; (6) sehr schwach; (17) t + 10°; (18) und (19) sehr schwach. Jan. 4. Luft zuerst 3-4, nachher 4, Feldbeleuchtung schlecht; Beob. unsicher; (4) Strich 55'. Jan. 5. Luft zuerst 2, schliesslich 4.

| Nr.                              | Stern       | Beobachter | Mittel der Mikroskope | Horizontalfaden | Zeit H. 17                     | Summe der Corr. | Nadir | Scheinbare Zenith-distanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahres-anfang | Red. f. Prae-cession | Zenith-distanz 1900,0 |
|----------------------------------|-------------|------------|-----------------------|-----------------|--------------------------------|-----------------|-------|---------------------------|----------------|---------------|-----------|------------|------------------------|----------------------|-----------------------|
| <b>1901 Januar 5 (Forts.)</b>    |             |            |                       |                 |                                |                 |       |                           |                |               |           |            |                        |                      |                       |
| 4                                | n Tauri     | B          | 210° 16' 2" 18        | a               | 5 <sup>h</sup> 15 <sup>m</sup> | +5" 48          | 1" 96 | 30° 9' 5" 70              | - 6,22         | - 5,0         | 773,1     | 0' 36" 54  | - 2" 38                | + 4" 06              | 30° 9' 43" 92         |
| 5                                | Neptun d    | "          | 209 3 7,15            | "               | 5 24                           | +5,13           | 1,94  | 28 56 10,34               | - 6,33         | - 5,1         | 773,1     | 0 34,78    | - 2,75                 | + 3,32               | 28 56 45,69           |
| 6                                | " f         | "          | 211 51 23,35          | "               | 5 29                           | +5,67           | 1,93  | 31 44 29,09               | - 6,40         | - 5,1         | 773,1     | 0 38,93    | - 3,51                 | + 2,82               | 31 45 7,33            |
| 7                                | " h         | "          | 211 10 44,58          | "               | 5 33                           | +5,59           | 1,92  | 31 3 48,25                | - 6,47         | - 5,1         | 773,1     | 0 37,92    | - 3,66                 | + 2,47               | 31 4 24,98            |
| 8                                | " k         | "          | 209 6 17,82           | "               | 5 39                           | +5,20           | 1,91  | 28 59 21,11               | - 6,57         | - 5,2         | 773,1     | 0 34,90    | - 3,75                 | + 1,99               | 28 59 54,25           |
| 9                                | " n         | "          | 211 21 23,78          | "               | 5 43                           | +5,48           | 1,90  | 31 14 27,36               | - 6,64         | - 5,2         | 773,0     | 0 38,21    | - 4,29                 | + 1,60               | 31 15 2,88            |
| 10                               | " v         | "          | 212 0 12,45           | "               | 5 50                           | +5,08           | 1,89  | 31 53 15,64               | - 6,73         | - 5,3         | 773,0     | 0 39,20    | - 4,77                 | + 1,01               | 31 53 51,08           |
| 11                               | " s         | "          | 209 22 7,15           | "               | 5 56                           | +5,24           | 1,87  | 29 15 10,52               | - 6,77         | - 5,3         | 772,9     | 0 35,29    | - 4,86                 | + 0,49               | 29 15 41,44           |
| 12                               | " t         | "          | 208 59 39,22          | "               | 6 0                            | +4,94           | 1,86  | 28 52 42,30               | - 6,79         | - 5,4         | 772,9     | 0 34,76    | - 5,05                 | + 0,17               | 28 53 12,18           |
| 13                               | 3 Geminorum | "          | 209 7 59,18           | "               | 6 5                            | +5,15           | 1,86  | 29 1 2,47                 | - 6,82         | - 5,4         | 772,9     | 0 34,96    | - 5,42                 | - 0,32               | 29 1 31,69            |
| 14                               | 7 Geminorum | "          | 209 43 36,65          | "               | 6 10                           | +5,29           | 1,84  | 29 36 40,10               | - 6,86         | - 5,5         | 772,8     | 0 35,82    | - 5,79                 | - 0,77               | 29 37 9,36            |
| II                               | Nadir       | "          | 0 7 2,58              | m               | 7 40                           | -0,92           | 1,66  |                           |                |               |           |            |                        |                      |                       |
| <b>Januar 6 Arm West, Kr. A</b>  |             |            |                       |                 |                                |                 |       |                           |                |               |           |            |                        |                      |                       |
| 2                                | Holmes 114  | P          | 171 5 8,18            | a               | 2 5                            | -6,85           | 59,06 | 9 2 57,73                 | - 9,75         | - 8,1         | 767,9     | 0 10,09    | + 14,76                | + 17,22              | 9 3 39,80             |
| 5                                | " 138       | "          | 168 14 53,00          | "               | 2 26*                          | -7,05           | 59,06 | 11 53 13,11               | - 9,84         | - 8,2         | 767,9     | 0 13,34    | + 12,83                | + 16,20              | 11 53 55,48           |
| 7                                | " 123       | "          | 177 13 13,25          | "               | 2 41*                          | -6,21           | 59,06 | 2 54 52,02                | - 9,91         | - 8,3         | 767,9     | 0 3,23     | + 14,25                | + 15,39              | 2 55 24,89            |
| I                                | Nadir       | "          | 0 7 59,54             | m               | 2 50                           | -0,48           | 59,06 |                           |                |               |           |            |                        |                      |                       |
| 8                                | Holmes 130  | "          | 168 47 31,30          | a               | 3 7                            | -7,54*          | 59,05 | 11 20 35,29               | - 10,02        | - 8,3         | 767,9     | 0 12,72    | + 10,50                | + 13,87              | 11 21 12,38           |
| 10                               | " 136       | "          | 170 17 47,42          | "               | 3 12                           | -7,21*          | 59,05 | 9 50 18,84                | - 10,05        | - 8,4         | 767,9     | 0 11,00    | + 10,46                | + 13,49              | 9 50 53,79            |
| II                               | Nadir       | "          | 0 7 59,48             | m               | 4 40                           | -0,48           | 59,00 |                           |                |               |           |            |                        |                      |                       |
| 14                               | 108 Tauri   | "          | 150 9 37,85           | a               | 5 11                           | -6,02           | 58,95 | 29 58 27,12               | - 10,33        | - 8,5         | 767,9     | 0 36,62    | - 2,09                 | + 4,39               | 29 59 6,04            |
| 15                               | n Tauri     | "          | 149 58 59,68          | "               | 5 15*                          | -6,20           | 58,94 | 30 9 5,46                 | - 10,34        | - 8,5         | 767,9     | 0 36,88    | - 2,35                 | + 4,06               | 30 9 44,05            |
| 16                               | Neptun d    | "          | 151 11 55,93          | "               | 5 23                           | -7,16           | 58,93 | 28 56 10,14               | - 10,37        | - 8,6         | 767,8     | 0 35,10    | - 2,71                 | + 3,32               | 28 56 45,85           |
| 17                               | " g         | "          | 150 29 24,42          | "               | 5 31                           | -6,51           | 58,91 | 29 38 41,00               | - 10,40        | - 8,6         | 767,8     | 0 36,14    | - 3,26                 | + 2,71               | 29 39 16,59           |
| 18                               | " k         | "          | 151 8 43,98           | "               | 5 39                           | -6,74           | 58,90 | 28 59 21,66               | - 10,44        | - 8,7         | 767,8     | 0 35,19    | - 3,71                 | + 1,99               | 28 59 55,13           |
| 19                               | " n         | "          | 148 53 38,15          | "               | 5 43                           | -6,55           | 58,89 | 31 14 27,29               | - 10,45        | - 8,7         | 767,8     | 0 38,52    | - 4,26                 | + 1,60               | 31 15 3,15            |
| 20                               | " v         | "          | 148 14 49,38          | "               | 5 50                           | -6,30           | 58,88 | 31 53 15,80               | - 10,48        | - 8,8         | 767,7     | 0 39,51    | - 4,75                 | + 1,01               | 31 53 51,57           |
| 21                               | " s         | "          | 150 52 55,18          | "               | 5 56                           | -6,65           | 58,87 | 29 15 10,34               | - 10,51        | - 8,8         | 767,7     | 0 35,58    | - 4,82                 | + 0,49               | 29 15 41,59           |
| 22                               | 7 Geminorum | "          | 150 31 24,98          | "               | 6 10                           | -6,78           | 58,85 | 29 36 40,65               | - 10,56        | - 8,9         | 767,7     | 0 36,11    | - 5,76                 | - 0,77               | 29 37 10,23           |
| III                              | Nadir       | "          | 0 7 59,26             | m               | 6 50                           | -0,48           | 58,78 |                           |                |               |           |            |                        |                      |                       |
| <b>Januar 11 Arm West, Kr. B</b> |             |            |                       |                 |                                |                 |       |                           |                |               |           |            |                        |                      |                       |
| I                                | Nadir       | B          | 0 7 3,77              | m               | 4 30                           | -0,92           | 2,85  |                           |                |               |           |            |                        |                      |                       |
| 1                                | t Tauri     | "          | 210 48 58,00          | b               | 4 59                           | -6,34           | 2,78  | 30 41 48,88               | - 2,80         | - 0,9         | 766,7     | 0 36,54    | - 1,43                 | + 5,43               | 30 42 29,42           |
| 3                                | 108 Tauri   | "          | 210 5 37,62           | "               | 5 11                           | -6,50           | 2,76  | 29 58 28,36               | - 2,73         | - 1,0         | 766,7     | 0 35,49    | - 2,05                 | + 4,39               | 29 59 6,19            |
| 4                                | n Tauri     | "          | 210 16 16,78          | "               | 5 15                           | -6,71           | 2,75  | 30 9 7,32                 | - 2,71         | - 1,1         | 766,7     | 0 35,74    | - 2,32                 | + 4,06               | 30 9 44,80            |
| 5                                | Neptun c    | "          | 210 24 47,92          | "               | 5 23                           | -6,52           | 2,73  | 30 17 38,67               | - 2,73         | - 1,2         | 766,7     | 0 35,95    | - 2,86                 | + 3,34               | 30 18 15,10           |
| 6                                | " g         | "          | 209 45 50,35          | "               | 5 31                           | -6,86           | 2,71  | 29 38 40,78               | - 2,80         | - 1,3         | 766,8     | 0 35,03    | - 3,20                 | + 2,71               | 29 39 15,32           |
| 7                                | " i         | "          | 209 39 19,65          | "               | 5 38                           | -6,73           | 2,70  | 29 32 10,22               | - 2,87         | - 1,4         | 766,8     | 0 34,89    | - 3,63                 | + 2,09               | 29 32 43,57           |
| 8                                | " m         | "          | 209 46 27,65          | "               | 5 43                           | -6,85           | 2,69  | 29 39 18,11               | - 2,92         | - 1,5         | 766,9     | 0 35,07    | - 3,98                 | + 1,64               | 29 39 50,84           |
| 9                                | " p         | "          | 210 12 53,60          | "               | 5 49                           | -6,72*          | 2,67  | 30 5 44,21                | - 2,98         | - 1,5         | 766,9     | 0 35,70    | - 4,43                 | + 1,11               | 30 6 16,59            |
| 10                               | " r         | "          | 210 40 8,98           | "               | 5 55                           | -6,26           | 2,66  | 30 33 0,06                | - 3,06         | - 1,6         | 766,9     | 0 36,37    | - 4,88                 | + 0,55               | 30 33 32,10           |
| 11                               | " t         | "          | 208 59 52,45          | "               | 6 0                            | -7,23           | 2,65  | 28 52 42,55               | - 3,13         | - 1,6         | 766,9     | 0 34,00    | - 4,93                 | + 0,17               | 28 53 11,79           |
| 12                               | 3 Geminorum | "          | 209 8 13,35           | "               | 6 5                            | -7,05           | 2,64  | 29 1 3,66                 | - 3,19         | - 1,7         | 766,9     | 0 34,20    | - 5,30                 | - 0,32               | 29 1 32,24            |
| 13                               | 7 Geminorum | "          | 209 43 51,82          | "               | 6 10                           | -6,91           | 2,62  | 29 36 42,29               | - 3,26         | - 1,7         | 766,8     | 0 35,05    | - 5,69                 | - 0,77               | 29 37 10,88           |
| II                               | Nadir       | "          | 0 7 3,22              | m               | 8 35                           | -0,92           | 2,30  |                           |                |               |           |            |                        |                      |                       |

Jan. 6. Luft zuerst 2, nachher 3; (5) t + 5"; (7) r + 10"; (8) Strich 45'; (10) Strich 15'; (15) t + 5". Jan. 11. Luft zuerst 2-3, nachher 3-4; (7) Decl. unsicher; (9) Strich 10'.

| Nr.                            | Stern           | Beobachter | Mittel der Mikroskope | Horizontalitäten | Zeit H. 17                     | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Prae-cession | Zenithdistanz 1900,0 |
|--------------------------------|-----------------|------------|-----------------------|------------------|--------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|----------------------|----------------------|
| 1901 Januar 14 Arm West, Kr. A |                 |            |                       |                  |                                |                 |        |                          |                |               |           |            |                       |                      |                      |
| I                              | Nadir           | P          | 0° 7' 58" 31          | m                | 4 <sup>h</sup> 30 <sup>m</sup> | -0" 48          | 57" 83 |                          |                |               |           |            |                       |                      |                      |
| 7                              | ε Tauri         | "          | 149 26 15,10          | a                | 4 59                           | -6,24           | 57,87  | 30° 41' 49" 01           | - 3,19         | - 2,1         | 774,4     | 0' 36" 96  | - 1" 54               | + 5" 43              | 30° 42' 29" 86       |
| 9                              | 108 Tauri       | "          | 150 9 36,08           | "                | 5 11*                          | -6,02           | 57,88  | 29 58 27,82              | - 3,21         | - 2,1         | 774,4     | 0 35,91    | - 2,14                | + 4,39               | 29 59 5,98           |
| 10                             | η Tauri         | "          | 149 58 57,50          | "                | 5 15*                          | -6,21           | 57,88  | 30 9 6,59                | - 3,23         | - 2,1         | 774,4     | 0 36,17    | - 2,41                | + 4,06               | 30 9 44,41           |
| 11                             | Neptun <i>b</i> | "          | 148 28 56,82          | "                | 5 21                           | -6,43           | 57,89  | 31 39 7,50               | - 3,27         | - 2,2         | 774,4     | 0 38,39    | - 3,07                | + 3,55               | 31 39 46,37          |
| 12                             | " <i>c</i>      | "          | 149 17 26,85          | "                | 5 26                           | -6,52           | 57,90  | 30 50 37,57              | - 3,29         | - 2,2         | 774,4     | 0 37,19    | - 3,22                | + 3,12               | 30 51 14,66          |
| 13                             | " <i>h</i>      | "          | 149 4 15,02           | "                | 5 33                           | -6,46           | 57,91  | 31 3 49,35               | - 3,33         | - 2,3         | 774,4     | 0 37,52    | - 3,72                | + 2,47               | 31 4 25,62           |
| 14                             | " <i>l</i>      | "          | 149 21 29,20          | "                | 5 39                           | -6,47           | 57,91  | 30 46 35,18              | - 3,37         | - 2,3         | 774,4     | 0 37,11    | - 4,02                | + 1,98               | 30 47 10,25          |
| 15                             | " <i>n</i>      | "          | 148 53 36,68          | "                | 5 43                           | -6,54           | 57,92  | 31 14 27,78              | - 3,39         | - 2,3         | 774,4     | 0 37,80    | - 4,35                | + 1,60               | 31 15 2,83           |
| 16                             | " <i>p</i>      | "          | 150 2 20,58           | "                | 5 49                           | -6,67           | 57,93  | 30 5 44,02               | - 3,42         | - 2,4         | 774,4     | 0 36,12    | - 4,51                | + 1,11               | 30 6 16,74           |
| 17                             | " <i>r</i>      | "          | 149 35 5,02           | "                | 5 55                           | -6,49           | 57,93  | 30 32 59,40              | - 3,46         | - 2,4         | 774,4     | 0 36,79    | - 4,97                | + 0,55               | 30 33 31,77          |
| 18                             | " <i>t</i>      | "          | 151 15 21,82          | "                | 6 0                            | -6,73           | 57,94  | 28 52 42,85              | - 3,48         | - 2,4         | 774,4     | 0 34,38    | - 4,99                | + 0,17               | 28 53 12,41          |
| 19                             | 3 Geminorum     | "          | 151 7 0,82            | "                | 6 5                            | -6,71           | 57,95  | 29 1 3,84                | - 3,51         | - 2,5         | 774,4     | 0 34,58    | - 5,36                | - 0,32               | 29 1 32,74           |
| 20                             | η Geminorum     | "          | 150 31 22,95          | "                | 6 10                           | -6,78           | 57,95  | 29 36 41,78              | - 3,54         | - 2,5         | 774,4     | 0 35,44    | - 5,77                | - 0,77               | 29 37 10,68          |
| II                             | Nadir           | "          | 0 7 58,51             | m                | 7 15                           | -0,48           | 58,03  |                          |                |               |           |            |                       |                      |                      |
| 24                             | ε Geminorum     | "          | 152 37 14,88          | a                | 7 40                           | -7,17           | 58,08  | 27 30 50,37              | - 4,58         | - 3,1         | 773,8     | 0 32,58    | - 10,91               | - 8,35               | 27 31 3,69           |
| 25                             | ρ Geminorum     | "          | 155 0 22,32           | "                | 7 49                           | -6,63           | 58,10  | 25 7 42,41               | - 4,66         | - 3,2         | 773,8     | 0 29,35    | - 11,40               | - 9,05               | 25 7 51,31           |
| 26                             | Mars <i>a</i>   | "          | 153 38 53,62          | "                | 7 56                           | -6,61           | 58,11  | 26 29 11,10              | - 4,72         | - 3,3         | 773,8     | 0 31,19    | - 11,82               | - 9,64               | 26 29 20,83          |
| 27                             | " <i>c</i>      | "          | 152 59 9,50           | "                | 8 4                            | -6,54           | 58,13  | 27 8 55,17               | - 4,77         | - 3,3         | 773,8     | 0 32,10    | - 12,19               | - 10,18              | 27 9 4,90            |
| 28                             | " <i>f</i>      | "          | 153 47 31,42          | "                | 8 6                            | -6,27           | 58,13  | 26 20 32,98              | - 4,79         | - 3,4         | 773,8     | 0 31,00    | - 12,33               | - 10,36              | 26 20 41,29          |
| 29                             | " <i>h</i>      | "          | 153 1 10,05           | "                | 8 10                           | -6,80           | 58,14  | 27 6 54,89               | - 4,83         | - 3,4         | 773,8     | 0 32,06    | - 12,53               | - 10,68              | 27 7 3,74            |
| 30                             | " <i>l</i>      | "          | 151 15 8,08           | "                | 8 18                           | -6,71           | 58,16  | 28 52 56,79              | - 4,88         | - 3,5         | 773,8     | 0 34,55    | - 12,82               | - 11,21              | 28 53 7,31           |
| 31                             | " <i>n</i>      | "          | 151 27 45,28          | "                | 8 23                           | -6,87           | 58,17  | 28 40 19,76              | - 4,93         | - 3,6         | 773,8     | 0 34,25    | - 13,09               | - 11,61              | 28 40 29,31          |
| 32                             | η Cancri        | "          | 148 45 49,82          | "                | 8 29                           | -6,49           | 58,18  | 31 22 14,85              | - 4,97         | - 3,6         | 773,8     | 0 38,19    | - 13,18               | - 11,99              | 31 22 27,87          |
| 34                             | γ Cancri        | "          | 149 48 36,80          | "                | 8 39                           | -5,92           | 58,20  | 30 19 27,32              | - 5,06         | - 3,7         | 773,8     | 0 36,66    | - 13,69               | - 12,72              | 30 19 37,57          |
| 35                             | ε Cancri        | "          | 157 6 18,50           | "                | 8 42*                          | -7,07           | 58,21  | 23 1 46,78               | - 5,08         | - 3,8         | 773,8     | 0 26,65    | - 14,34               | - 12,93              | 23 1 46,16           |
| III                            | Nadir           | "          | 0 7 58,80             | m                | 9 35                           | -0,48           | 58,32  |                          |                |               |           |            |                       |                      |                      |
| Januar 17 Arm West, Kr. B      |                 |            |                       |                  |                                |                 |        |                          |                |               |           |            |                       |                      |                      |
| I                              | Nadir           | B          | 0 7 4,34              | m                | 4 35                           | -0,92           | 3,42   |                          |                |               |           |            |                       |                      |                      |
| 3                              | ε Tauri         | "          | 210 48 46,92          | a                | 4 59                           | +5,85           | 3,41   | 30 41 49,36              | - 1,09         | - 0,1         | 766,9     | 0 36,31    | - 1,59                | + 5,43               | 30 42 29,51          |
| 5                              | 108 Tauri       | "          | 210 5 26,48           | "                | 5 11                           | +5,70           | 3,40   | 29 58 28,78              | - 1,23         | - 0,2         | 766,9     | 0 35,30    | - 2,19                | + 4,39               | 29 59 6,28           |
| 6                              | η Tauri         | "          | 210 16 4,35           | "                | 5 15                           | +5,48           | 3,40   | 30 9 6,43                | - 1,29         | - 0,3         | 766,9     | 0 35,56    | - 2,46                | + 4,06               | 30 9 43,59           |
| 7                              | Neptun <i>b</i> | "          | 211 46 6,52           | "                | 5 21                           | +5,59           | 3,40   | 31 39 8,71               | - 1,36         | - 0,3         | 766,9     | 0 37,74    | - 3,15                | + 3,55               | 31 39 46,85          |
| 8                              | " <i>c</i>      | "          | 210 57 36,18          | "                | 5 26                           | +5,60*          | 3,40   | 30 50 38,38              | - 1,43         | - 0,3         | 766,9     | 0 36,57    | - 3,28                | + 3,12               | 30 51 14,79          |
| 9                              | " <i>h</i>      | "          | 211 10 47,52          | "                | 5 33                           | +5,60           | 3,40   | 31 3 49,72               | - 1,51         | - 0,3         | 766,9     | 0 36,90    | - 3,78                | + 2,47               | 31 4 25,31           |
| 10                             | " <i>l</i>      | "          | 210 53 34,48          | "                | 5 39                           | +5,51           | 3,39   | 30 46 36,60              | - 1,56         | - 0,3         | 767,0     | 0 36,50    | - 4,08                | + 1,98               | 30 47 11,00          |
| 11                             | " <i>o</i>      | "          | 208 54 24,88          | "                | 5 47                           | +5,14           | 3,39   | 28 47 26,63              | - 1,63         | - 0,2         | 767,0     | 0 33,69    | - 4,23                | + 1,24               | 28 47 57,33          |
| 12                             | " <i>q</i>      | "          | 211 35 44,00          | "                | 5 55                           | +5,15           | 3,39   | 31 28 45,76              | - 1,70         | - 0,2         | 767,0     | 0 37,54    | - 5,15                | + 0,62               | 31 29 18,77          |
| 13                             | " <i>t</i>      | "          | 208 59 41,35          | "                | 6 0                            | +4,94           | 3,38   | 28 52 42,91              | - 1,74         | - 0,2         | 767,0     | 0 33,82    | - 5,03                | + 0,17               | 28 53 11,87          |
| 14                             | 3 Geminorum     | "          | 209 8 1,88            | "                | 6 5                            | +5,15           | 3,38   | 29 1 3,65                | - 1,78         | - 0,2         | 767,1     | 0 34,02    | - 5,40                | - 0,32               | 29 1 31,95           |
| 15                             | η Geminorum     | "          | 209 43 40,00          | "                | 6 10                           | +5,29           | 3,38   | 29 36 41,91              | - 1,83         | - 0,2         | 767,1     | 0 34,86    | - 5,82                | - 0,77               | 29 37 10,18          |
| II                             | Nadir           | "          | 0 7 4,27              | m                | 7 20                           | -0,92           | 3,35   |                          |                |               |           |            |                       |                      |                      |
| Januar 17 Forts., Kr. A        |                 |            |                       |                  |                                |                 |        |                          |                |               |           |            |                       |                      |                      |
| III                            | Nadir           | P          | 0 7 58,86             | m                | 7 20                           | -0,48           | 58,38  |                          |                |               |           |            |                       |                      |                      |

Jan. 14. Luft 2-3; (9) t + 5s; (10) t + 5s; (12) sehr schwach; (35) t + 5s. Jan. 17. (8) Strich 55'.

| Nr.                        | Stern             | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                     | Summe der Corr. | Nadir | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Præcession | Zenithdistanz 1900,0 |               |
|----------------------------|-------------------|------------|-----------------------|-----------------|--------------------------------|-----------------|-------|--------------------------|----------------|---------------|-----------|------------|-----------------------|--------------------|----------------------|---------------|
| 1901 Januar 17 (Forts.)    |                   |            |                       |                 |                                |                 |       |                          |                |               |           |            |                       |                    |                      |               |
| 22                         | ♌ Geminorum       | P          | 152° 37' 14" 52       | a               | 7 <sup>h</sup> 40 <sup>m</sup> | -7" 17          | 0° 7' | 58" 40'                  | 27° 30' 51" 05 | - 1,70        | - 0,5     | 766,9      | 0' 31" 94             | - 10" 98           | - 8" 35              | 27° 31' 3" 66 |
| 23                         | ♌ Geminorum       | "          | 155 0 21,95           | "               | 7 49                           | -6,63           | 58,41 | 25 7 43,09               | - 1,72         | - 0,6         | 766,9     | 0 28,76    | - 11,43               | - 9,05             | 25 7 51,37           |               |
| 24                         | Mars <i>b</i>     | "          | 151 50 25,10          | "               | 7 57                           | -6,92           | 58,41 | 28 17 40,23              | - 1,74         | - 0,6         | 766,9     | 0 33,01    | - 11,90               | - 9,65             | 28 17 51,69          |               |
| 25                         | " <i>c</i>        | "          | 152 59 9,48           | "               | 8 4                            | -6,54           | 58,42 | 27 8 55,48               | - 1,76         | - 0,6         | 766,8     | 0 31,44    | - 12,27               | - 10,18            | 27 9 4,47            |               |
| 26                         | " <i>f</i>        | "          | 153 47 31,88          | "               | 8 6                            | -7,02*          | 58,42 | 26 20 33,56              | - 1,77         | - 0,6         | 766,7     | 0 30,36    | - 12,40               | - 10,36            | 26 20 41,16          |               |
| 27                         | " <i>h</i>        | "          | 153 1 9,25            | "               | 8 10                           | -6,80           | 58,43 | 27 6 55,98               | - 1,78         | - 0,7         | 766,7     | 0 31,40    | - 12,62               | - 10,68            | 27 7 4,08            |               |
| 28                         | " <i>i</i>        | "          | 153 37 56,52          | "               | 8 16                           | -6,53           | 58,43 | 26 30 8,44               | - 1,80         | - 0,7         | 766,7     | 0 30,58    | - 12,94               | - 11,12            | 26 30 14,96          |               |
| 29                         | " <i>n</i>        | "          | 151 27 44,82          | "               | 8 23                           | -6,87           | 58,44 | 28 40 20,49              | - 1,81         | - 0,7         | 766,6     | 0 33,53    | - 13,22               | - 11,61            | 28 40 29,19          |               |
| 30                         | ♌ Cancri          | "          | 148 45 48,78          | "               | 8 29                           | -6,49           | 58,44 | 31 22 16,15              | - 1,83         | - 0,8         | 766,6     | 0 37,38    | - 13,37               | - 11,99            | 31 22 28,17          |               |
| 32                         | ♌ Cancri          | "          | 149 48 35,22          | "               | 8 39                           | -5,92           | 58,45 | 30 19 29,15              | - 1,86         | - 0,8         | 766,5     | 0 35,86    | - 13,87               | - 12,72            | 30 19 38,42          |               |
| 33                         | ♌ Cancri          | "          | 157 6 17,15           | "               | 8 42                           | -7,05           | 58,45 | 23 1 48,35               | - 1,87         | - 0,8         | 766,5     | 0 26,07    | - 14,39               | - 12,93            | 23 1 47,10           |               |
| IV                         | Nadir             | "          | 0 7 58,97             | m               | 9 15                           | -0,48           | 58,49 |                          |                |               |           |            |                       |                    |                      |               |
| Februar 6 Arm West, Kr. A  |                   |            |                       |                 |                                |                 |       |                          |                |               |           |            |                       |                    |                      |               |
| I                          | Nadir             | P          | 0 7 59,48             | m               | 4 40                           | -0,48           | 59,00 |                          |                |               |           |            |                       |                    |                      |               |
| 4                          | ♌ 108 Tauri       | "          | 150 9 36,10           | a               | 5 11                           | -6,01           | 59,01 | 29 58 28,92              | - 1,76         | - 0,2         | 763,2     | 0 35,19    | - 2,10                | + 4,39             | 29 59 6,40           |               |
| 5                          | " Tauri           | "          | 149 58 57,65          | "               | 5 15                           | -6,20           | 59,01 | 30 9 7,56                | - 1,80         | - 0,3         | 763,3     | 0 35,46    | - 2,37                | + 4,06             | 30 9 44,71           |               |
| 6                          | ♃ Neptun <i>d</i> | "          | 151 11 55,20          | "               | 5 23                           | -7,16           | 59,02 | 28 56 10,98              | - 1,90         | - 0,4         | 763,3     | 0 33,76    | - 2,51                | + 3,32             | 28 56 45,55          |               |
| 7                          | " <i>g</i>        | "          | 150 29 23,48          | "               | 5 31                           | -6,51           | 59,02 | 29 38 42,05              | - 1,99         | - 0,4         | 763,4     | 0 34,77    | - 3,14                | + 2,71             | 29 39 16,39          |               |
| 9                          | " <i>k</i>        | "          | 151 8 42,70           | "               | 5 39                           | -6,74           | 59,03 | 28 59 23,07              | - 2,09         | - 0,5         | 763,5     | 0 33,87    | - 3,45                | + 1,99             | 28 59 55,48          |               |
| 10                         | " <i>p</i>        | "          | 150 2 21,15           | "               | 5 49                           | -6,67           | 59,04 | 30 5 44,56               | - 2,21         | - 0,6         | 763,5     | 0 35,44    | - 4,36                | + 1,11             | 30 6 16,75           |               |
| 11                         | " <i>t</i>        | "          | 151 15 22,82          | "               | 6 0                            | -6,74           | 59,04 | 28 52 42,96              | - 2,34         | - 0,7         | 763,6     | 0 33,75    | - 4,68                | + 0,17             | 28 53 12,20          |               |
| 12                         | ♌ 3 Geminorum     | "          | 151 7 1,72            | "               | 6 5                            | -6,71           | 59,05 | 29 1 4,04                | - 2,40         | - 0,7         | 763,7     | 0 33,95    | - 5,05                | - 0,32             | 29 1 32,62           |               |
| 13                         | ♌ 7 Geminorum     | "          | 150 31 23,70          | "               | 6 10                           | -6,78           | 59,05 | 29 36 42,13              | - 2,46         | - 0,8         | 763,7     | 0 34,80    | - 5,52                | - 0,77             | 29 37 10,64          |               |
| II                         | Nadir             | "          | 0 7 59,55             | m               | 6 50                           | -0,48           | 59,07 |                          |                |               |           |            |                       |                    |                      |               |
| Februar 13 Arm West, Kr. A |                   |            |                       |                 |                                |                 |       |                          |                |               |           |            |                       |                    |                      |               |
| I                          | Nadir             | P          | 0 7 59,58             | m               | 4 40                           | -0,48           | 59,10 |                          |                |               |           |            |                       |                    |                      |               |
| 2                          | ♌ Tauri           | "          | 149 26 17,88          | a               | 4 59                           | -6,25           | 59,17 | 30 41 47,54              | - 6,07         | - 2,9         | 773,0     | 0 37,30    | - 1,87                | + 5,43             | 30 42 28,40          |               |
| 3                          | ♌ 108 Tauri       | "          | 150 9 36,82           | "               | 5 11                           | -6,01           | 59,20 | 29 58 28,39              | - 6,12         | - 3,0         | 773,0     | 0 36,24    | - 2,31                | + 4,39             | 29 59 6,71           |               |
| 4                          | " Tauri           | "          | 149 58 58,62          | "               | 5 15                           | -6,20           | 59,21 | 30 9 6,79                | - 6,14         | - 3,1         | 773,0     | 0 36,51    | - 2,57                | + 4,06             | 30 9 44,79           |               |
| 5                          | ♃ Neptun <i>b</i> | "          | 148 28 59,12          | "               | 5 21                           | -6,43           | 59,24 | 31 39 6,55               | - 6,18         | - 3,2         | 773,0     | 0 38,75    | - 3,39                | + 3,55             | 31 39 45,46          |               |
| 6                          | " <i>d</i>        | "          | 151 11 55,95          | "               | 5 23                           | -7,16           | 59,24 | 28 56 10,45              | - 6,19         | - 3,3         | 773,0     | 0 34,75    | - 2,67                | + 3,32             | 28 56 45,85          |               |
| 7                          | " <i>f</i>        | "          | 148 23 36,00          | "               | 5 29                           | -6,25           | 59,26 | 31 44 29,51              | - 6,22         | - 3,4         | 773,0     | 0 38,89    | - 3,89                | + 2,82             | 31 45 7,33           |               |
| 8                          | " <i>h</i>        | "          | 149 4 18,02           | "               | 5 33                           | -6,47           | 59,27 | 31 3 47,72               | - 6,25         | - 3,4         | 773,0     | 0 37,87    | - 3,89                | + 2,47             | 31 4 24,17           |               |
| 9                          | " <i>k</i>        | "          | 151 8 44,88           | "               | 5 39                           | -6,74           | 59,30 | 28 59 21,16              | - 6,28         | - 3,5         | 773,0     | 0 34,84    | - 3,57                | + 1,99             | 28 59 54,42          |               |
| 10                         | " <i>m</i>        | "          | 150 28 46,90          | "               | 5 43                           | -6,44           | 59,30 | 29 39 18,84              | - 6,32         | - 3,6         | 773,0     | 0 35,81    | - 4,00                | + 1,64             | 29 39 52,29          |               |
| 12                         | " <i>v</i>        | "          | 148 14 49,30          | "               | 5 50                           | -6,30           | 59,33 | 31 53 16,33              | - 6,34         | - 3,7         | 773,0     | 0 39,14    | - 5,09                | + 1,01             | 31 53 51,39          |               |
| 13                         | " <i>s</i>        | "          | 150 52 55,70          | "               | 5 56                           | -6,65           | 59,35 | 29 15 10,30              | - 6,38         | - 3,8         | 773,0     | 0 35,24    | - 4,64                | + 0,49             | 29 15 41,39          |               |
| 14                         | " <i>t</i>        | "          | 151 15 23,80          | "               | 6 0                            | -6,74           | 59,37 | 28 52 42,31              | - 6,40         | - 3,8         | 773,0     | 0 34,70    | - 4,75                | + 0,17             | 28 53 12,43          |               |
| 15                         | ♌ 3 Geminorum     | "          | 151 7 3,45            | "               | 6 5                            | -6,72           | 59,38 | 29 1 2,65                | - 6,43         | - 3,9         | 773,0     | 0 34,90    | - 5,11                | - 0,32             | 29 1 32,12           |               |
| II                         | Nadir             | "          | 0 7 60,18             | m               | 7 40                           | -0,48           | 59,70 |                          |                |               |           |            |                       |                    |                      |               |
| März 21 Arm West, Kr. A    |                   |            |                       |                 |                                |                 |       |                          |                |               |           |            |                       |                    |                      |               |
| I                          | Nadir             | P          | 0 7 61,61             | m               | 7 10                           | -0,48           | 61,13 |                          |                |               |           |            |                       |                    |                      |               |
| 4                          | ♌ 4 Geminorum     | "          | 152 37 19,22          | a               | 7 40*                          | -7,20           | 61,20 | 27 30 49,18              | + 1,27         | + 2,4         | 761,8     | 0 31,36    | - 8,60                | - 8,35             | 27 31 3,59           |               |
| 5                          | ♌ 7 Geminorum     | "          | 155 0 27,78           | "               | 7 49*                          | -6,65           | 61,22 | 25 7 40,09               | + 1,26         | + 2,4         | 761,8     | 0 28,24    | - 8,24                | - 9,05             | 25 7 51,04           |               |
| 6                          | Mars <i>a</i>     | "          | 153 38 59,02          | "               | 7 57                           | -6,62           | 61,23 | 26 29 8,83               | + 1,20         | + 2,3         | 761,9     | 0 30,02    | - 9,02                | - 9,64             | 26 29 20,19          |               |

Jan. 17. (26) Strich 45'. Febr. 6. Luft 2-3, bald Wolken. Febr. 13. Luft 3. März 21. Luft 1-2; (4) t + 5; (5) t + 5.

| Nr.                      | Stern           | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                    | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|--------------------------|-----------------|------------|-----------------------|-----------------|-------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1901 März 21 (Forts.)    |                 |            |                       |                 |                               |                 |        |                          |                |               |           |            |                       |                     |                      |
| 7                        | Mars <i>e</i>   | P          | 152° 17' 27" 12       | a               | 8 <sup>h</sup> 4 <sup>m</sup> | -6" 97          | 61" 25 | 27° 50' 41" 10           | + 1,16         | + 2,2         | 762,0     | 0' 31" 83  | - 9" 78               | -10" 17             | 27° 50' 52" 98       |
| 8                        | " <i>g</i>      | "          | 151 25 19,75          | "               | 8 9                           | -6,44           | 61,26  | 28 42 47,95              | + 1,12         | + 2,2         | 762,0     | 0 33,01    | -10,31                | -10,61              | 28 43 0,04           |
| 9                        | " <i>l</i>      | "          | 151 15 12,45          | "               | 8 18                          | -6,71           | 61,28  | 28 52 55,54              | + 1,06         | + 2,1         | 762,1     | 0 33,25    | -10,72                | -11,21              | 28 53 6,86           |
| 10                       | " <i>m</i>      | "          | 152 50 44,05          | "               | 8 22                          | -6,51           | 61,29  | 27 17 23,75              | + 1,03         | + 2,0         | 762,2     | 0 31,11    | -10,44                | -11,55              | 27 17 32,87          |
| 11                       | <i>n</i> Cancri | "          | 148 45 52,92          | "               | 8 29                          | -6,50           | 61,30  | 31 22 14,88              | + 0,99         | + 2,0         | 762,3     | 0 36,77    | -11,93                | -11,99              | 31 22 27,73          |
| 13                       | <i>γ</i> Cancri | "          | 149 48 39,95          | "               | 8 39                          | -5,93           | 61,32  | 30 19 27,30              | + 0,92         | + 1,9         | 762,4     | 0 35,29    | -12,06                | -12,72              | 30 19 37,81          |
| II                       | Nadir           | "          | 0 7 61,94             | m               | 9 40                          | -0,48           | 61,46  |                          |                |               |           |            |                       |                     |                      |
| April 18 Arm West, Kr. B |                 |            |                       |                 |                               |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                        | Nadir           | P          | 0 7 10,52             | m               | 11 5                          | -0,92           | 9,60   |                          |                |               |           |            |                       |                     |                      |
| 1                        | Talcott 77      | "          | 186 32 35,32          | a               | 11 24                         | +5,27*          | 9,53   | 6 25 31,06               | + 3,62         | + 5,3         | 769,0     | 0 6,79     | - 8,06                | -19,78              | 6 25 10,01           |
| 2                        | " 78            | "          | 173 45 28,88          | "               | 11 37                         | +5,32           | 9,48   | 6 21 35,28               | + 3,62         | + 5,3         | 769,0     | 0 6,72     | + 5,62                | +19,93              | 6 22 7,55            |
| 3                        | " 80            | "          | 166 29 3,72           | "               | 11 53                         | +4,94           | 9,42   | 13 38 0,76               | + 3,49         | + 5,2         | 768,9     | 0 14,62    | + 4,87                | +20,04              | 13 38 40,29          |
| 4                        | " 81            | "          | 192 22 46,08          | "               | 12 11                         | +5,40           | 9,36   | 12 15 42,12              | + 3,34         | + 5,1         | 768,9     | 0 13,10    | -10,66                | -20,03              | 12 15 24,53          |
| 5                        | " 82            | "          | 167 55 39,05          | "               | 12 22                         | +5,12           | 9,31   | 12 11 25,14              | + 3,25         | + 5,0         | 768,8     | 0 13,03    | + 6,38                | +19,97              | 12 12 4,52           |
| 6                        | " 83            | "          | 176 52 44,65          | "               | 12 35                         | +4,85           | 9,26   | 3 14 19,76               | + 3,14         | + 4,9         | 768,8     | 0 3,42     | + 8,45                | +19,84              | 3 14 51,47           |
| 7                        | " 84            | "          | 183 16 7,60           | "               | 12 46                         | +4,88           | 9,22   | 3 9 3,26                 | + 3,04         | + 4,9         | 768,8     | 0 3,32     | - 9,89                | -19,68              | 3 8 37,01            |
| 8                        | " 85            | "          | 188 11 10,12          | "               | 12 54                         | +5,63           | 9,20   | 8 4 6,55                 | + 2,98         | + 4,8         | 768,8     | 0 8,56     | -10,89                | -19,54              | 8 3 44,68            |
| 9                        | " 86            | "          | 172 1 46,38           | "               | 13 0                          | +4,98           | 9,18   | 8 5 17,82                | + 2,93         | + 4,7         | 768,8     | 0 8,58     | + 8,57                | +19,40              | 8 5 54,37            |
| 10                       | " 87            | "          | 169 31 20,50          | "               | 13 8                          | +5,02           | 9,14   | 10 35 43,62              | + 2,86         | + 4,7         | 768,8     | 0 11,30    | + 8,46                | +19,23              | 10 36 22,61          |
| 11                       | " 88            | "          | 190 53 42,42          | "               | 13 13                         | +5,49           | 9,12   | 10 46 38,79              | + 2,82         | + 4,6         | 768,8     | 0 11,50    | -11,70                | -19,10              | 10 46 19,49          |
| 12                       | " 89            | "          | 179 1 3,98            | "               | 13 26                         | +4,39           | 9,08   | 1 6 0,71                 | + 2,71         | + 4,5         | 768,8     | 0 1,16     | +10,40                | +18,72              | 1 6 30,99            |
| 13                       | " 90            | "          | 181 3 27,20           | "               | 13 35                         | +4,93           | 9,04   | 0 56 23,09               | + 2,66         | + 4,5         | 768,7     | 0 0,99     | -10,91                | -18,40              | 0 55 54,77           |
| 14                       | " 91            | "          | 166 57 27,35          | "               | 13 40                         | +4,98           | 9,02   | 13 9 36,69               | + 2,65         | + 4,5         | 768,7     | 0 14,15    | + 9,29                | +18,23              | 13 10 18,26          |
| 15                       | " 92            | "          | 193 14 5,38           | "               | 13 44                         | +4,83           | 9,01   | 13 7 2,18                | + 2,65         | + 4,5         | 768,7     | 0 14,09    | -12,45                | -18,07              | 13 6 45,75           |
| 16                       | " 93            | "          | 179 27 58,90          | "               | 13 51                         | +4,73           | 8,98   | 0 39 5,35                | + 2,64         | + 4,5         | 768,7     | 0 0,69     | +11,13                | +17,80              | 0 39 34,97           |
| 17                       | " 94            | "          | 180 49 42,25          | "               | 14 1                          | +5,17           | 8,94   | 0 42 38,48               | + 2,63         | + 4,5         | 768,7     | 0 0,75     | -11,47                | -17,40              | 0 42 10,36           |
| 18                       | " 95            | "          | 180 27 9,32           | "               | 14 14                         | +5,23           | 8,90   | 0 20 5,65                | + 2,62         | + 4,5         | 768,6     | 0 0,35     | -11,73                | -16,78              | 0 19 37,49           |
| 19                       | " 96            | "          | 179 58 4,48           | "               | 14 23                         | +6,06           | 8,86   | 0 8 58,32                | + 2,62         | + 4,5         | 768,6     | 0 0,16     | +11,87                | +16,33              | 0 9 26,68            |
| II                       | Nadir           | "          | 0 7 9,72              | m               | 14 40                         | -0,92           | 8,80   |                          |                |               |           |            |                       |                     |                      |
| April 19 Arm West, Kr. B |                 |            |                       |                 |                               |                 |        |                          |                |               |           |            |                       |                     |                      |
| I                        | Nadir           | B          | 0 7 10,49             | m               | 11 55                         | -0,92           | 9,57   |                          |                |               |           |            |                       |                     |                      |
| 1                        | Talcott 82      | "          | 167 55 51,42          | b               | 12 22                         | -7,07           | 9,60   | 12 11 25,25              | + 7,51         | + 8,5         | 768,0     | 0 12,81    | + 6,11                | +19,97              | 12 12 4,14           |
| 2                        | " 83            | "          | 176 52 57,38          | b               | 12 35                         | -7,34           | 9,61   | 3 14 19,57               | + 7,59         | + 8,4         | 768,1     | 0 3,36     | + 8,18                | +19,84              | 3 14 50,95           |
| 3                        | " 84            | "          | 183 16 7,88           | a               | 12 46                         | +4,88           | 9,63   | 3 9 3,13                 | + 7,62         | + 8,4         | 768,3     | 0 3,27     | - 9,62                | -19,68              | 3 8 37,10            |
| 4                        | " 85            | "          | 188 11 10,52          | a               | 12 54                         | +5,63           | 9,64   | 8 4 6,51                 | + 7,59         | + 8,4         | 768,3     | 0 8,41     | -10,64                | -19,54              | 8 3 44,74            |
| 5                        | " 86            | "          | 172 1 58,58           | b               | 13 0                          | -7,22           | 9,64   | 8 5 18,28                | + 7,57         | + 8,3         | 768,2     | 0 8,43     | + 8,26                | +19,40              | 8 5 54,37            |
| 6                        | " 87            | "          | 169 31 32,55          | b               | 13 8                          | -7,18           | 9,65   | 10 35 44,28              | + 7,53         | + 8,3         | 768,1     | 0 11,10    | + 8,16                | +19,23              | 10 36 22,77          |
| 7                        | " 88            | "          | 190 53 43,22          | a               | 13 13*                        | +5,60           | 9,66   | 10 46 39,16              | + 7,51         | + 8,2         | 768,1     | 0 11,29    | -11,44                | -19,10              | 10 46 19,91          |
| 8                        | " 89            | "          | 179 1 15,75           | b               | 13 26                         | -7,80           | 9,67   | 1 6 1,72                 | + 7,46         | + 8,1         | 768,0     | 0 1,14     | +10,10                | +18,72              | 1 6 31,68            |
| 9                        | " 90            | "          | 181 3 28,05           | a               | 13 35*                        | +4,98           | 9,68   | 0 56 23,35               | + 7,39         | + 8,1         | 767,9     | 0 0,97     | -10,63                | -18,40              | 0 55 55,29           |
| 10                       | " 91            | "          | 166 57 39,58          | b               | 13 40                         | -7,35           | 9,69   | 13 9 37,46               | + 7,36         | + 8,1         | 767,9     | 0 13,87    | + 8,96                | +18,23              | 13 10 18,52          |
| II                       | Nadir           | "          | 0 7 10,64             | m               | 14 10                         | -0,92           | 9,72   |                          |                |               |           |            |                       |                     |                      |
| III                      | Nadir           | P          | 0 7 11,25             | m               | 14 10                         | -0,92           | 10,33  |                          |                |               |           |            |                       |                     |                      |
| 11                       | Talcott 95      | "          | 180 27 22,05          | b               | 14 14                         | -6,97           | 10,32  | 0 20 4,76                | + 7,13         | + 7,9         | 767,7     | 0 0,35     | -11,43                | -16,78              | 0 19 36,90           |
| 12                       | " 96            | "          | 179 58 17,62          | "               | 14 23                         | -6,14           | 10,28  | 0 8 58,80                | + 7,01         | + 7,9         | 767,7     | 0 0,16     | +11,56                | +16,33              | 0 9 26,85            |

April 18. Luft 1-2, nachher 2; (1) Strich 30'. April 19. Luft 1-2, nachher 2; (7) t + 20s; (9) t + 12s.

| Nr.                             | Stern       | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                      | Summe der Corr. | Nadir   | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|---------------------------------|-------------|------------|-----------------------|-----------------|---------------------------------|-----------------|---------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| <b>1901 April 19 (Forts.)</b>   |             |            |                       |                 |                                 |                 |         |                          |                |               |           |            |                       |                     |                      |
| 13                              | Talcott 97  | P          | 182° 28' 46" 98       | b               | 14 <sup>h</sup> 33 <sup>m</sup> | - 7" 49         | 10° 25' | 2° 21' 29" 24            | + 6,85         | + 7,7         | 767,7     | 0' 2" 44   | -11" 91               | -15" 84             | 2° 21' 3" 93         |
| 14                              | " 98        | "          | 177 49 47,08          | "               | 14 37                           | - 6,83          | 10,24   | 2 17 29,99               | + 6,78         | + 7,7         | 767,7     | 0 2,38     | +11,65                | +15,63              | 2 17 59,65           |
| 15                              | " 99        | "          | 178 4 4,05            | "               | 14 42                           | - 7,23          | 10,22   | 2 3 13,40                | + 6,70         | + 7,6         | 767,6     | 0 2,13     | +11,77                | +15,35              | 2 3 42,65            |
| 16                              | " 100       | "          | 182 14 47,02          | "               | 14 55                           | - 7,35          | 10,17   | 2 7 30,10                | + 6,49         | + 7,5         | 767,6     | 0 2,21     | -12,23                | -14,60              | 2 7 5,48             |
| 17                              | " 101       | "          | 189 44 15,95          | "               | 15 12                           | - 6,55          | 10,11   | 9 36 58,39               | + 6,21         | + 7,3         | 767,5     | 0 10,09    | -12,62                | -13,51              | 9 36 42,35           |
| 18                              | " 102       | "          | 170 33 0,32           | "               | 15 19                           | - 7,25          | 10,08   | 9 34 17,01               | + 6,14         | + 7,2         | 767,5     | 0 10,05    | +11,99                | +13,07              | 9 34 52,12           |
| 19                              | " 103       | "          | 177 54 56,88          | "               | 15 25                           | - 7,06          | 10,06   | 2 12 20,24               | + 6,16         | + 7,3         | 767,5     | 0 2,29     | +12,44                | +12,63              | 2 12 47,60           |
| 20                              | " 104       | "          | 182 15 10,98          | "               | 15 34                           | - 7,35          | 10,03   | 2 7 53,60                | + 6,19         | + 7,3         | 767,4     | 0 2,22     | -12,63                | -12,05              | 2 7 31,14            |
| 21                              | " 105       | "          | 172 24 37,68          | "               | 15 47                           | - 7,25          | 9,98    | 7 42 39,55               | + 6,24         | + 7,4         | 767,4     | 0 8,06     | +12,52                | +11,10              | 7 43 11,23           |
| 22                              | " 106       | "          | 187 43 7,58           | "               | 15 59                           | - 6,61          | 9,93    | 7 35 51,04               | + 6,28         | + 7,4         | 767,3     | 0 7,94     | -12,68                | -10,26              | 7 35 36,04           |
| 23                              | " 107       | "          | 179 45 56,30          | "               | 16 24                           | - 7,28          | 9,85    | 0 21 20,83               | + 6,37         | + 7,5         | 767,2     | 0 0,37     | +12,83                | + 8,32              | 0 21 42,35           |
| 24                              | " 108       | "          | 180 39 22,60          | "               | 16 28                           | - 7,13          | 9,83    | 0 32 5,64                | + 6,39         | + 7,5         | 767,2     | 0 0,55     | -12,82                | - 7,98              | 0 31 45,39           |
| 25                              | " 109       | "          | 171 15 8,25           | "               | 16 33                           | - 6,83          | 9,81    | 8 52 8,39                | + 6,41         | + 7,4         | 767,2     | 0 9,28     | +12,88                | + 7,59              | 8 52 38,14           |
| 26                              | " 110       | "          | 188 52 44,12          | "               | 16 44                           | - 7,01          | 9,77    | 8 45 27,34               | + 6,44         | + 7,4         | 767,2     | 0 9,16     | -12,38                | - 6,69              | 8 45 17,43           |
| 27                              | " 111       | "          | 184 42 13,28          | "               | 16 52                           | - 7,10          | 9,75    | 4 34 56,43               | + 6,47         | + 7,4         | 767,2     | 0 4,77     | -12,58                | - 5,99              | 4 34 42,63           |
| 28                              | " 112       | "          | 175 26 53,18          | "               | 16 59                           | - 7,17          | 9,72    | 4 40 23,71               | + 6,50         | + 7,4         | 767,2     | 0 4,86     | +12,92                | + 5,40              | 4 40 46,89           |
| IV                              | Nadir       | "          | o 7 10,58             | m               | 17 15                           | - 0,92          | 9,66    |                          |                |               |           |            |                       |                     |                      |
| <b>April 20 Arm West, Kr. B</b> |             |            |                       |                 |                                 |                 |         |                          |                |               |           |            |                       |                     |                      |
| I                               | Nadir       | P          | o 7 12,29             | m               | 11 10                           | - 0,92          | 11,37   |                          |                |               |           |            |                       |                     |                      |
| 1                               | o Leonis    | "          | 232 32 7,98           | a               | 11 34                           | + 4,79          | 11,43   | 52 25 1,34               | +12,01         | +11,5         | 765,7     | 1 15,46    | -18,87                | -19,90              | 52 25 38,03          |
| 5                               | b Virginis  | "          | 228 3 15,72           | "               | 11 57                           | + 4,98          | 11,49   | 47 56 9,21               | +11,84         | +11,5         | 765,7     | 1 4,41     | -17,58                | -20,05              | 47 56 35,99          |
| 7                               | Jupiter I a | "          | 232 22 29,15          | "               | 12 16                           | + 5,00          | 11,55   | 52 15 22,60              | +11,60         | +11,4         | 765,7     | 1 15,12    | -17,93                | -20,01              | 52 15 59,78          |
| 8                               | " c         | "          | 231 53 36,95          | "               | 12 23                           | + 4,98          | 11,56   | 51 46 30,37              | +11,51         | +11,4         | 765,7     | 1 13,86    | -17,68                | -19,96              | 51 47 6,59           |
| 9                               | " e         | "          | 232 56 36,05          | "               | 12 26                           | + 4,93          | 11,57   | 52 49 29,41              | +11,48         | +11,4         | 765,6     | 1 16,69    | -17,76                | -19,94              | 52 50 8,40           |
| 10                              | " g         | "          | 233 7 9,68            | "               | 12 31                           | + 5,14          | 11,59   | 53 0 3,23                | +11,39         | +11,4         | 765,6     | 1 17,21    | -17,64                | -19,89              | 53 0 42,91           |
| 11                              | P. XII 170  | "          | 234 33 22,80          | "               | 12 41                           | + 5,44          | 11,61   | 54 26 16,63              | +11,29         | +11,3         | 765,6     | 1 21,38    | -17,53                | -19,76              | 54 27 0,72           |
| 13                              | 37 Virginis | "          | 228 39 55,22          | "               | 12 48                           | + 5,31          | 11,63   | 48 32 48,90              | +11,21         | +11,3         | 765,6     | 1 5,94     | -16,56                | -19,64              | 48 33 18,64          |
| II                              | Nadir       | "          | o 7 12,78             | m               | 14 15                           | - 0,92          | 11,86   |                          |                |               |           |            |                       |                     |                      |
| <b>April 21 Arm West, Kr. B</b> |             |            |                       |                 |                                 |                 |         |                          |                |               |           |            |                       |                     |                      |
| I                               | Nadir       | B          | o 7 13,43             | m               | 11 25                           | - 0,92          | 12,51   |                          |                |               |           |            |                       |                     |                      |
| 1                               | Talcott 79  | "          | 193 50 39,38          | a               | 11 49                           | + 5,98          | 12,49   | 13 43 32,87              | +13,73         | +13,8         | 762,8     | 0 14,06    | - 9,93                | -20,02              | 13 43 16,98          |
| 2                               | " 80        | "          | 166 29 18,10          | b               | 11 53                           | - 7,25          | 12,49   | 13 38 1,64               | +13,56         | +13,7         | 762,8     | 0 13,98    | + 4,16                | +20,04              | 13 38 39,82          |
| 3                               | " 81        | "          | 192 22 49,35          | a               | 12 11                           | + 5,40          | 12,47   | 12 15 42,28              | +12,97         | +13,3         | 762,8     | 0 12,55    | -10,08                | -20,03              | 12 15 24,72          |
| 4                               | " 82        | "          | 167 55 53,22          | b               | 12 22                           | - 7,07          | 12,46   | 12 11 26,31              | +12,74         | +13,2         | 762,8     | 0 12,48    | + 5,61                | +19,97              | 12 12 4,37           |
| 5                               | " 83        | "          | 176 52 47,58          | a               | 12 35                           | + 4,85          | 12,45   | 3 14 20,02               | +12,50         | +13,0         | 762,8     | 0 3,27     | + 7,70                | +19,84              | 3 14 50,83           |
| 6                               | " 84        | "          | 183 16 22,28          | b               | 12 46                           | - 7,32          | 12,44   | 3 9 2,52                 | +12,31         | +12,9         | 762,8     | 0 3,19     | - 9,16                | -19,68              | 3 8 36,87            |
| 7                               | " 85        | "          | 188 11 25,28          | b               | 12 54                           | - 6,57          | 12,43   | 8 4 6,28                 | +12,16         | +12,8         | 762,8     | 0 8,21     | -10,20                | -19,54              | 8 3 44,75            |
| 8                               | " 86        | "          | 172 1 48,62           | a               | 13 0                            | + 4,98          | 12,43   | 8 5 18,83                | +12,04         | +12,7         | 762,8     | 0 8,23     | + 7,73                | +19,40              | 8 5 54,19            |
| 9                               | " 87        | "          | 169 31 22,40          | a               | 13 8                            | + 5,02          | 12,42   | 10 35 45,00              | +11,88         | +12,6         | 762,8     | 0 10,84    | + 7,59                | +19,23              | 10 36 22,66          |
| 10                              | " 88        | "          | 190 53 58,12          | b               | 13 13                           | - 6,71          | 12,41   | 10 46 39,00              | +11,78         | +12,5         | 762,9     | 0 11,04    | -10,99                | -19,10              | 10 46 19,95          |
| 11                              | " 89        | "          | 179 1 6,35            | a               | 13 26                           | + 4,40          | 12,40   | 1 6 1,65                 | +11,52         | +12,3         | 762,9     | 0 1,12     | + 9,57                | +18,72              | 1 6 31,06            |
| 12                              | " 90        | "          | 181 3 42,05           | b               | 13 35                           | - 7,27          | 12,40   | 0 56 22,38               | +11,37         | +12,2         | 762,9     | 0 0,95     | -10,10                | -18,40              | 0 55 54,83           |
| 13                              | " 91        | "          | 166 57 29,58          | a               | 13 40                           | + 4,98          | 12,39   | 13 9 37,83               | +11,29         | +12,1         | 762,9     | 0 13,58    | + 8,38                | +18,23              | 13 10 18,02          |
| 14                              | " 92        | "          | 193 14 20,18          | b               | 13 44                           | - 6,38          | 12,39   | 13 7 1,41                | +11,22         | +12,1         | 762,9     | 0 13,54    | -11,75                | -18,07              | 13 6 45,13           |
| 15                              | " 93        | "          | 179 28 1,68           | a               | 13 51                           | + 4,73          | 12,38   | 0 39 5,97                | +11,11         | +12,0         | 762,8     | 0 0,66     | +10,27                | +17,80              | 0 39 34,70           |

April 20. Luft 3; (8) und (9) sehr schwach. April 21. Luft 2-3, nachher 3; (13) Strich 55'.

| Nr.                      | Stern            | Beobachter | Mittel der Mikroskope | Horizontalfäden | Zeit H. 17                     | Summe der Corr. | Nadir  | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Præcession | Zenithdistanz 1900,0 |
|--------------------------|------------------|------------|-----------------------|-----------------|--------------------------------|-----------------|--------|--------------------------|----------------|---------------|-----------|------------|-----------------------|--------------------|----------------------|
| 1901 April 21 (Forts.)   |                  |            |                       |                 |                                |                 |        |                          |                |               |           |            |                       |                    |                      |
| 16                       | Talcott 94       | B          | 180° 49' 56" 52       | b               | 14 <sup>h</sup> 1 <sup>m</sup> | -7" 02          | 12" 37 | 0° 42' 37" 13            | +10,94         | +11,9         | 762,8     | 0' 0" 72   | -10" 62               | -17" 40            | 0° 42' 9" 83         |
| II                       | Nadir            | "          | 0 7 13,28             | m               | 14 15                          | -0,92           | 12,36  |                          |                |               |           |            |                       |                    |                      |
| III                      | Nadir            | P          | 0 7 14,08             | m               | 14 15                          | -0,92           | 13,16  |                          |                |               |           |            |                       |                    |                      |
| 18                       | 32 Librac        | "          | 248 36 26,05          | a               | 15 24                          | +5,05           | 12,78  | 68 29 18,32              | + 9,98         | +11,2         | 762,6     | 2 26,98    | - 8,23                | -12,71             | 68 31 24,36          |
| 19                       | γ Librac         | "          | 246 41 56,02          | "               | 15 32                          | +5,24           | 12,73  | 66 34 48,53              | + 9,89         | +11,1         | 762,5     | 2 13,94    | - 7,94                | -12,21             | 66 36 42,32          |
| 20                       | z Librac         | "          | 251 35 11,22          | "               | 15 38                          | +4,66           | 12,70  | 71 28 3,18               | + 9,83         | +11,1         | 762,5     | 2 52,41    | - 6,76                | -11,77             | 71 30 37,06          |
| 24                       | Jupiter III β    | "          | 251 47 34,78          | "               | 15 59                          | +5,15*          | 12,58  | 71 40 27,35              | + 9,62         | +10,9         | 762,5     | 2 54,59    | - 5,04                | -10,23             | 71 43 6,67           |
| 25                       | " ij             | "          | 252 37 32,62          | "               | 16 3                           | +5,13*          | 12,56  | 72 30 25,19              | + 9,57         | +10,8         | 762,5     | 3 3,32     | - 4,61                | - 9,95             | 72 33 13,95          |
| 26                       | " r              | "          | 253 22 9,65           | "               | 16 9                           | +5,25           | 12,52  | 73 15 2,38               | + 9,52         | +10,8         | 762,4     | 3 11,79    | - 3,91                | - 9,43             | 73 18 0,83           |
| 27                       | " t              | "          | 252 5 3,18            | "               | 16 13                          | +5,12           | 12,50  | 71 57 55,80              | + 9,48         | +10,8         | 762,4     | 2 57,62    | - 3,90                | - 9,17             | 72 0 40,35           |
| 28                       | " v              | "          | 253 49 22,78          | "               | 16 16                          | +5,38           | 12,48  | 73 42 15,68              | + 9,45         | +10,7         | 762,4     | 3 17,35    | - 3,26                | - 8,88             | 73 45 20,89          |
| 29                       | " λ              | "          | 251 50 9,42           | "               | 16 21                          | +5,41           | 12,46  | 71 43 2,37               | + 9,40         | +10,7         | 762,4     | 2 55,15    | - 3,28                | - 8,51             | 71 45 45,73          |
| 30                       | " π              | "          | 253 34 14,92          | "               | 16 25                          | +4,98           | 12,44  | 73 27 7,46               | + 9,35         | +10,7         | 762,4     | 3 14,33    | - 2,61                | - 8,20             | 73 30 10,98          |
| 31                       | " z              | "          | 252 45 49,55          | "               | 16 28                          | +5,19           | 12,42  | 72 38 42,32              | + 9,32         | +10,6         | 762,4     | 3 4,99     | - 2,54                | - 7,95             | 72 41 36,82          |
| 32                       | " k              | "          | 254 4 27,60           | "               | 16 33                          | +5,46           | 12,39  | 73 57 20,67              | + 9,27         | +10,6         | 762,4     | 3 20,66    | - 1,84                | - 7,54             | 74 0 31,95           |
| 33                       | " i              | "          | 252 26 25,08          | "               | 16 36                          | +5,23           | 12,38  | 72 19 17,93              | + 9,24         | +10,6         | 762,3     | 3 1,50     | - 1,97                | - 7,18             | 72 22 10,28          |
| 34                       | " σ              | "          | 255 12 50,98          | "               | 16 41                          | +5,26           | 12,34  | 75 5 43,90               | + 9,19         | +10,5         | 762,3     | 3 36,38    | - 0,98                | - 6,93             | 75 9 12,37           |
| 36                       | 24 Ophiuchi      | "          | 255 12 24,10          | "               | 16 52                          | +5,33           | 12,28  | 75 5 17,15               | + 9,12         | +10,4         | 762,3     | 3 36,32    | - 0,95                | - 5,97             | 75 8 47,45           |
| 37                       | γ Ophiuchi       | "          | 247 50 15,25          | "               | 17 6                           | +5,45           | 12,20  | 67 43 8,50               | + 9,10         | +10,3         | 762,2     | 2 21,86    | - 0,85                | - 4,80             | 67 45 24,71          |
| 38                       | 36 Ophiuchi p.a. | "          | 258 39 13,38          | "               | 17 11                          | +5,44           | 12,18  | 78 32 6,64               | + 9,10         | +10,3         | 762,2     | 4 41,02    | + 2,29                | - 4,41             | 78 36 45,54          |
| IV                       | Nadir            | "          | 0 7 12,99             | m               | 17 30                          | -0,92           | 12,07  |                          |                |               |           |            |                       |                    |                      |
| April 22 Arm West, Kr. B |                  |            |                       |                 |                                |                 |        |                          |                |               |           |            |                       |                    |                      |
| 1                        | Talcott 71       | B          | 174 41 14,52          | b               | 10 30                          | -6,80           | 13,34  | 5 26 5,62                | +16,29         | +15,9         | 762,7     | 0 5,43     | + 2,57                | +18,48             | 5 26 32,10           |
| 2                        | " 72             | "          | 185 33 1,30           | a               | 10 39                          | +5,46           | 13,34  | 5 25 53,42               | +15,91         | +15,7         | 762,7     | 0 5,43     | - 5,76                | -18,77             | 5 25 34,32           |
| 3                        | " 73             | "          | 192 0 29,08           | a               | 10 44                          | +5,38           | 13,34  | 11 53 21,12              | +15,69         | +15,6         | 762,8     | 0 12,04    | - 7,71                | -18,91             | 11 53 6,54           |
| 4                        | " 74             | "          | 168 19 41,45          | b               | 10 56                          | -7,10           | 13,34  | 11 47 38,99              | +15,24         | +15,3         | 762,8     | 0 11,96    | + 2,06                | +19,25             | 11 48 12,26          |
| I                        | Nadir            | "          | 0 7 14,26             | m               | 11 15                          | -0,92           | 13,34  |                          |                |               |           |            |                       |                    |                      |
| 5                        | Talcott 78       | "          | 173 45 44,48          | b               | 11 37                          | -6,88           | 13,29  | 6 21 35,69               | +14,33         | +14,7         | 762,9     | 0 6,41     | + 4,80                | +19,93             | 6 22 6,83            |
| 6                        | " 79             | "          | 193 50 40,32          | a               | 11 49                          | +5,98           | 13,26  | 13 43 33,04              | +14,33         | +14,6         | 763,0     | 0 14,04    | - 9,77                | -20,02             | 13 43 17,29          |
| 7                        | " 80             | "          | 166 29 18,62          | b               | 11 53                          | -7,25           | 13,25  | 13 38 1,88               | +14,36         | +14,6         | 763,1     | 0 13,94    | + 3,96                | +20,04             | 13 38 39,82          |
| 8                        | " 81             | "          | 192 22 50,32          | a               | 12 11                          | +5,40           | 13,21  | 12 15 42,51              | +14,28         | +14,5         | 763,1     | 0 12,49    | - 9,92                | -20,03             | 12 15 25,05          |
| 9                        | " 83             | "          | 176 53 0,18           | b               | 12 35                          | -7,34           | 13,15  | 3 14 20,31               | +13,73         | +14,1         | 763,1     | 0 3,26     | + 7,47                | +19,84             | 3 14 50,88           |
| 10                       | " 84             | "          | 183 16 10,88          | a               | 12 46                          | +4,88           | 13,12  | 3 9 2,64                 | +13,52         | +14,0         | 763,1     | 0 3,17     | - 8,95                | -19,68             | 3 8 37,18            |
| 11                       | " 85             | "          | 188 11 13,32          | a               | 12 54                          | +5,63           | 13,10  | 8 4 5,85                 | +13,39         | +13,9         | 763,1     | 0 8,19     | - 9,99                | -19,54             | 8 3 44,50            |
| 12                       | " 86             | "          | 172 2 1,35            | b               | 13 0                           | -7,22           | 13,09  | 8 5 18,96                | +13,29         | +13,9         | 763,1     | 0 8,20     | + 7,49                | +19,40             | 8 5 54,05            |
| 13                       | " 87             | "          | 169 31 35,48          | b               | 13 8                           | -7,17           | 13,07  | 10 35 44,76              | +13,17         | +13,8         | 763,1     | 0 10,80    | + 7,34                | +19,23             | 10 36 22,13          |
| 14                       | " 88             | "          | 190 53 46,15          | a               | 13 13                          | +5,49           | 13,06  | 10 46 38,58              | +13,09         | +13,7         | 763,1     | 0 10,90    | -10,79                | -19,10             | 10 46 19,68          |
| 15                       | " 89             | "          | 179 1 18,90           | b               | 13 26                          | -7,80           | 13,03  | 1 6 1,93                 | +12,83         | +13,5         | 763,1     | 0 1,11     | + 9,32                | +18,72             | 1 6 31,08            |
| 16                       | " 90             | "          | 181 3 30,85           | a               | 13 35                          | +4,93           | 13,00  | 0 56 22,78               | +12,63         | +13,3         | 763,1     | 0 0,95     | - 9,84                | -18,40             | 0 55 55,49           |
| 17                       | " 92             | "          | 193 14 8,88           | a               | 13 44                          | +5,84           | 12,98  | 13 7 1,74                | +12,43         | +13,1         | 763,1     | 0 13,49    | -11,53                | -18,07             | 13 6 45,63           |
| 18                       | " 93             | "          | 179 28 14,25          | b               | 13 51                          | -7,47           | 12,97  | 0 39 6,19                | +12,27         | +12,9         | 763,1     | 0 0,66     | +10,02                | +17,80             | 0 39 34,67           |
| 19                       | " 94             | "          | 180 49 44,58          | a               | 14 1                           | +5,17           | 12,94  | 0 42 36,81               | +12,05         | +12,7         | 763,1     | 0 0,72     | -10,36                | -17,40             | 0 42 9,77            |
| II                       | Nadir            | "          | 0 7 13,83             | m               | 14 15                          | -0,92           | 12,91  |                          |                |               |           |            |                       |                    |                      |
| III                      | Nadir            | P          | 0 7 14,24             | m               | 14 15                          | -0,92           | 13,32  |                          |                |               |           |            |                       |                    |                      |
| 21                       | 32 Librac        | "          | 248 36 26,85          | a               | 15 24                          | +5,05           | 12,99  | 68 29 18,91              | + 9,48         | +11,0         | 763,0     | 2 27,32    | - 8,28                | -12,71             | 68 31 25,24          |

April 21. (24) Strich 45'; (25) Strich 35'. April 22. Beob. B. Luft 3; P. Luft 3-4, nachher 3 oder 2; (17) t + 10°.

| Nr.                      | Stern              | Beobachter | Mittel der Mikroskope | Horizontalfaden | Zeit H. 17                      | Summe der Corr. | Nadir   | Scheinbare Zenithdistanz | Temp. C. auss. | Temp. C. inn. | Barometer | Refraction | Red. auf Jahresanfang | Red. f. Praecession | Zenithdistanz 1900,0 |
|--------------------------|--------------------|------------|-----------------------|-----------------|---------------------------------|-----------------|---------|--------------------------|----------------|---------------|-----------|------------|-----------------------|---------------------|----------------------|
| 1901 April 22 (Forts.)   |                    |            |                       |                 |                                 |                 |         |                          |                |               |           |            |                       |                     |                      |
| 22                       | $\gamma$ Librae    | P          | 246° 41' 55" 70       | a               | 15 <sup>h</sup> 32 <sup>m</sup> | + 5" 24         | 12° 95' | 66° 34' 47" 99           | + 9,42         | + 11,0        | 763,0     | 2' 14" 25  | - 7" 98               | - 12" 21            | 66° 36' 42" 05       |
| 24                       | $\alpha$ Librae    | "          | 251 35 11,10          | "               | 15 38                           | + 4,66          | 12,92   | 71 28 2,84               | + 9,39         | + 10,9        | 763,0     | 2 52,80    | - 6,82                | - 11,77             | 71 30 37,05          |
| 27                       | Jupiter III $\eta$ | "          | 252 5 52,15           | "               | 15 49                           | + 5,14          | 12,86   | 71 58 44,43              | + 9,29         | + 10,8        | 763,0     | 2 58,02    | - 5,83                | - 10,96             | 72 1 25,66           |
| 28                       | " $\delta$         | "          | 251 52 53,98          | "               | 15 55                           | + 4,73          | 12,84   | 71 45 45,87              | + 9,24         | + 10,7        | 763,0     | 2 55,84    | - 5,40                | - 10,53             | 71 48 25,78          |
| 29                       | " $\alpha$         | "          | 251 45 42,22          | "               | 16 1                            | + 5,10          | 12,81   | 71 38 34,51              | + 9,20         | + 10,7        | 763,0     | 2 54,66    | - 4,92                | - 10,05             | 71 41 14,20          |
| 30                       | " $\alpha$         | "          | 252 49 31,40          | "               | 16 3                            | + 5,41          | 12,80   | 72 42 24,01              | + 9,18         | + 10,7        | 763,0     | 3 5,91     | - 4,57                | - 9,91              | 72 45 15,44          |
| 31                       | " $u$              | "          | 250 30 42,62          | "               | 16 11                           | + 5,23          | 12,76   | 70 23 35,09              | + 9,12         | + 10,6        | 763,0     | 2 42,97    | - 4,41                | - 9,35              | 70 26 4,30           |
| 32                       | " $s$              | "          | 252 12 7,48           | "               | 16 15                           | + 5,14          | 12,74   | 72 4 59,88               | + 9,09         | + 10,5        | 763,0     | 2 59,24    | - 3,74                | - 9,00              | 72 7 46,38           |
| 33                       | " $\xi$            | "          | 255 6 1,48            | "               | 16 19                           | + 5,31          | 12,72   | 74 58 54,07              | + 9,06         | + 10,5        | 763,0     | 3 35,01    | - 2,88                | - 8,72              | 75 2 17,48           |
| 34                       | " $p$              | "          | 250 27 42,60          | "               | 16 23                           | + 5,17          | 12,70   | 70 20 35,07              | + 9,03         | + 10,5        | 763,0     | 2 42,59    | - 3,46                | - 8,38              | 70 23 5,82           |
| 35                       | " $\theta$         | "          | 250 41 8,58           | "               | 16 26                           | + 5,57          | 12,69   | 70 34 1,46               | + 9,00         | + 10,4        | 763,0     | 2 44,60    | - 3,21                | - 8,16              | 70 36 34,69          |
| 36                       | " $m$              | "          | 251 57 36,18          | "               | 16 31                           | + 4,81          | 12,66   | 71 50 28,33              | + 8,97         | + 10,4        | 763,0     | 2 56,82    | - 2,55                | - 7,76              | 71 53 14,84          |
| 37                       | " $p$              | "          | 254 54 29,70          | "               | 16 34                           | + 4,73          | 12,64   | 74 47 21,79              | + 8,94         | + 10,4        | 763,0     | 3 32,35    | - 1,64                | - 7,48              | 74 50 45,02          |
| 38                       | " $h$              | "          | 251 57 39,18          | "               | 16 38                           | + 4,81          | 12,63   | 71 50 31,36              | + 8,91         | + 10,3        | 763,0     | 2 56,87    | - 2,00                | - 7,10              | 71 53 19,13          |
| 39                       | " $d$              | "          | 253 53 52,22          | "               | 16 45                           | + 4,90          | 12,59   | 73 46 44,53              | + 8,87         | + 10,3        | 763,1     | 3 18,90    | - 0,96                | - 6,56              | 73 49 55,91          |
| 40                       | 24 Ophiuchi        | "          | 255 12 26,65          | "               | 16 52                           | + 5,34          | 12,56   | 75 5 19,43               | + 8,85         | + 10,3        | 763,1     | 3 36,78    | - 0,08                | - 5,97              | 75 8 50,16           |
| 44                       | $\eta$ Ophiuchi    | "          | 247 50 15,98          | "               | 17 6*                           | + 5,44          | 12,49   | 67 43 8,93               | + 8,80         | + 10,3        | 763,1     | 2 22,18    | - 0,83                | - 4,80              | 67 45 25,48          |
| 45                       | 36 Ophiuchi p.a.   | "          | 258 39 12,90          | "               | 17 11                           | + 5,44          | 12,47   | 78 32 5,87               | + 8,78         | + 10,3        | 763,1     | 4 41,68    | + 2,26                | - 4,41              | 78 36 45,41          |
| IV                       | Nadir              | "          | 0 7 13,27             | m               | 17 35                           | - 0,92          | 12,35   |                          |                |               |           |            |                       |                     |                      |
| April 23 Arm West, Kr. B |                    |            |                       |                 |                                 |                 |         |                          |                |               |           |            |                       |                     |                      |
| I                        | Nadir              | P          | 0 7 14,39             | m               | 11 15                           | - 0,92          | 13,47   |                          |                |               |           |            |                       |                     |                      |
| 2                        | $\nu$ Leonis       | "          | 232 32 9,90           | a               | 11 34                           | + 4,79          | 13,43   | 52 25 1,26               | + 12,84        | + 13,8        | 764,6     | 1 15,06    | - 18,91               | - 19,90             | 52 25 37,51          |
| 3                        | $\beta$ Virginis   | "          | 229 56 16,15          | "               | 11 47                           | + 4,96          | 13,41   | 49 49 7,70               | + 12,71        | + 13,6        | 764,6     | 1 8,48     | - 18,11               | - 20,01             | 49 49 38,06          |
| 5                        | $b$ Virginis       | "          | 228 3 18,20           | "               | 11 57                           | + 4,98          | 13,39   | 47 56 9,79               | + 12,58        | + 13,5        | 764,6     | 1 4,13     | - 17,54               | - 20,05             | 47 56 36,33          |
| 8                        | Jupiter I $a$      | "          | 232 22 31,62          | "               | 12 16                           | + 5,11          | 13,35   | 52 15 23,38              | + 12,33        | + 13,2        | 764,6     | 1 14,79    | - 17,95               | - 20,01             | 52 16 0,21           |
| 9                        | " $c$              | "          | 231 53 39,08          | "               | 12 23                           | + 4,98          | 13,34   | 51 46 30,72              | + 12,20        | + 13,1        | 764,6     | 1 13,55    | - 17,69               | - 19,96             | 51 47 6,62           |
| 10                       | " $e$              | "          | 232 56 37,98          | "               | 12 26                           | + 4,93          | 13,33   | 52 49 29,58              | + 12,16        | + 13,1        | 764,7     | 1 16,40    | - 17,79               | - 19,94             | 52 50 8,25           |
| 11                       | " $g$              | "          | 233 7 12,48           | "               | 12 31                           | + 5,14          | 13,32   | 53 0 4,30                | + 12,06        | + 13,0        | 764,7     | 1 16,92    | - 17,67               | - 19,89             | 53 0 43,66           |
| 12                       | P. XII 170         | "          | 234 33 24,62          | "               | 12 41                           | + 5,44          | 13,30   | 54 26 16,76              | + 11,89        | + 12,8        | 764,7     | 1 21,10    | - 17,57               | - 19,76             | 54 27 0,53           |
| 13                       | 35 Virginis        | "          | 228 8 52,02           | "               | 12 44                           | + 4,76          | 13,30   | 48 1 43,48               | + 11,83        | + 12,8        | 764,7     | 1 4,52     | - 16,53               | - 19,70             | 48 2 11,77           |
| 14                       | 37 Virginis        | "          | 228 39 57,20          | "               | 12 48                           | + 5,31          | 13,29   | 48 32 49,22              | + 11,75        | + 12,8        | 764,7     | 1 5,72     | - 16,50               | - 19,64             | 48 33 18,80          |
| II                       | Nadir              | "          | 0 7 14,06             | m               | 14 5                            | - 0,92          | 13,14   |                          |                |               |           |            |                       |                     |                      |
| III                      | Nadir              | B          | 0 7 13,42             | m               | 14 5                            | - 0,92          | 12,50   |                          |                |               |           |            |                       |                     |                      |
| 16                       | Talcott 96         | "          | 179 58 19,45          | b               | 14 23                           | - 6,14          | 12,43   | 0 8 59,12                | + 10,26        | + 11,7        | 764,9     | 0 0,15     | + 10,48               | + 16,33             | 0 9 26,08            |
| 17                       | " 97               | "          | 182 28 36,38          | a               | 14 33                           | + 4,71          | 12,38   | 2 21 28,71               | + 10,08        | + 11,5        | 764,9     | 0 2,41     | - 10,85               | - 15,84             | 2 21 4,43            |
| 18                       | " 98               | "          | 177 49 47,85          | b               | 14 37                           | - 6,83          | 12,37   | 2 17 31,35               | + 10,01        | + 11,5        | 764,9     | 0 2,34     | + 10,54               | + 15,63             | 2 17 59,86           |
| 19                       | " 99               | "          | 178 4 5,30            | b               | 14 42                           | - 7,23          | 12,35   | 2 3 14,28                | + 9,92         | + 11,4        | 764,9     | 0 2,10     | + 10,65               | + 15,35             | 2 3 42,38            |
| 20                       | " 100              | "          | 182 14 48,28          | b               | 14 55                           | - 7,35          | 12,29   | 2 7 28,64                | + 9,83         | + 11,3        | 764,9     | 0 2,17     | - 11,14               | - 14,60             | 2 7 5,07             |
| 21                       | " 101              | "          | 189 44 16,55          | b               | 15 12                           | - 6,55          | 12,23   | 9 36 57,77               | + 9,78         | + 11,2        | 764,8     | 0 9,92     | - 11,63               | - 13,51             | 9 36 42,55           |
| 22                       | " 102              | "          | 170 32 49,42          | a               | 15 19                           | + 4,94          | 12,19   | 9 34 17,83               | + 9,76         | + 11,2        | 764,8     | 0 9,88     | + 10,81               | + 13,07             | 9 34 51,59           |
| 23                       | " 103              | "          | 177 54 46,48          | a               | 15 25                           | + 5,14          | 12,17   | 2 12 20,55               | + 9,74         | + 11,2        | 764,8     | 0 2,27     | + 11,32               | + 12,63             | 2 12 46,77           |
| 24                       | " 104              | "          | 182 15 11,82          | b               | 15 34*                          | - 7,34          | 12,13   | 2 7 52,35                | + 9,67         | + 11,1        | 764,8     | 0 2,18     | - 11,56               | - 12,05             | 2 7 30,92            |
| 25                       | " 105              | "          | 172 24 26,45          | a               | 15 47                           | + 4,95          | 12,08   | 7 42 40,68               | + 9,45         | + 11,0        | 764,8     | 0 7,94     | + 11,37               | + 11,10             | 7 43 11,09           |
| 26                       | " 106              | "          | 187 43 8,40           | b               | 15 59                           | - 6,61          | 12,03   | 7 35 49,76               | + 9,26         | + 10,9        | 764,8     | 0 7,83     | - 11,68               | - 10,26             | 7 35 35,65           |
| IV                       | Nadir              | "          | 0 7 12,86             | m               | 16 20                           | - 0,92          | 11,94   |                          |                |               |           |            |                       |                     |                      |

April 22. (44) t + 10<sup>s</sup>. April 23. Beob. P. Luft 2-3; B. Luft 3-4; (24) t + 12<sup>s</sup>.

































