

| Observer  | Epoch   | $\theta_c$ | $\varrho_c$ | $\theta_o - \theta_c$ | $\varrho_o - \varrho_c$ | Observer     | Epoch   | $\theta_c$ | $\varrho_c$ | $\theta_o - \theta_c$ | $\varrho_o - \varrho_c$ |
|-----------|---------|------------|-------------|-----------------------|-------------------------|--------------|---------|------------|-------------|-----------------------|-------------------------|
| Romberg   | 1863.56 | 23.1       | 1.02        | -3.4                  | +0.05                   | Dembowski    | 1872.44 | 51.0       | 0.91        | -0.2                  | +0.11                   |
| Dembowski | 1864.43 | 25.8       | 1.05        | -1.6                  | -0.35                   | Ferrari      | 1872.48 | 51.1       | 0.91        | +0.6                  | +0.01                   |
| O. Struve | 1864.60 | 26.3       | 1.05        | +1.5                  | +0.08                   | Wilson       | 1872.49 | 51.2       | 0.91        | -0.2                  | +0.10                   |
| Dawes     | 1865.44 | 28.8       | 1.06        | -1.3                  | +0.01                   | Dunér        | 1872.58 | 51.5       | 0.91        | -0.3                  | -0.07                   |
| Dembowski | 1865.49 | 29.0       | 1.06        | -1.6                  | -0.03                   | O. Struve    | 1872.59 | 51.6       | 0.91        | +3.8                  | -0.01                   |
| Romberg   | 1865.51 | 29.0       | 1.06        | +1.1                  | +0.53                   | Brunnow      | 1873.34 | 54.9       | 0.86        | +9.3                  | +0.04                   |
| O. Struve | 1865.73 | 29.7       | 1.06        | +1.0                  | +0.07                   | Wilson       | 1873.40 | 55.1       | 0.86        | +2.0                  | +0.25                   |
| Talmage   | 1866.43 | 31.6       | 1.07        | +0.7                  | +0.35                   | Dembowski    | 1873.44 | 55.3       | 0.85        | +0.8                  | +0.15                   |
| Dembowski | 1866.44 | 31.7       | 1.07        | -1.6                  | -0.03                   | Talmage      | 1873.48 | 55.5       | 0.85        | +0.5                  |                         |
| Secchi    | 1866.54 | 31.9       | 1.07        | +1.2                  | +0.05                   | Gledhill     | 1873.52 | 55.7       | 0.85        | -1.6                  | +0.15                   |
| O. Struve | 1866.66 | 32.3       | 1.07        | +3.1                  | +0.06                   | O. Struve    | 1873.54 | 55.8       | 0.85        | +1.6                  | -0.03                   |
| Knott     | 1867.34 | 34.3       | 1.06        | +1.7                  | 0.00                    | Dunér        | 1873.72 | 56.7       | 0.84        | -1.6                  | +0.24                   |
| Dembowski | 1867.50 | 34.8       | 1.06        | -1.6                  | -0.02                   | Gledhill     | 1874.39 | 59.9       | 0.81        | -1.3                  | +0.18                   |
| Talmage   | 1867.52 | 34.8       | 1.06        | -3.3                  |                         | Dembowski    | 1874.42 | 60.0       | 0.80        | -0.5                  | +0.17                   |
| Dunér     | 1867.69 | 35.3       | 1.06        | -6.1                  | +0.06                   | Talmage      | 1874.44 | 60.1       | 0.80        | +1.1                  | -0.18                   |
| Dembowski | 1868.39 | 37.4       | 1.05        | -1.0                  | +0.01                   | Wilson       | 1874.46 | 60.2       | 0.80        | -1.9                  | +0.13                   |
| O. Struve | 1868.56 | 37.9       | 1.05        | +3.4                  | 0.00                    | O. Struve    | 1874.61 | 60.9       | 0.79        | +3.8                  | +0.05                   |
| Dunér     | 1868.65 | 38.2       | 1.05        | -1.2                  | +0.10                   | Talmage      | 1875.38 | 65.0       | 0.75        | -4.3                  |                         |
| O. Struve | 1869.52 | 40.7       | 1.03        | +2.0                  | -0.06                   | Dembowski    | 1875.41 | 65.2       | 0.75        | +1.4                  | +0.11                   |
| Dunér     | 1869.53 | 40.8       | 1.03        | -0.7                  | 0.00                    | Schiaparelli | 1875.42 | 65.3       | 0.74        | +0.8                  | +0.17                   |
| O. Struve | 1869.62 | 41.1       | 1.03        | -1.2                  | -0.12                   | Dunér        | 1875.55 | 66.0       | 0.74        | +2.7                  | -0.04                   |
| Talmage   | 1869.62 | 41.1       | 1.03        | +3.6                  |                         | Gledhill     | 1876.33 | 71.0       | 0.69        | +3.4                  | +0.06                   |
| Dembowski | 1870.38 | 43.6       | 1.01        | +0.4                  | +0.03                   | Doberck      | 1876.38 | 71.3       | 0.69        | -1.0                  | +0.15                   |
| Gledhill  | 1870.44 | 43.7       | 1.00        | +0.9                  | +0.10                   | Hall         | 1876.43 | 71.6       | 0.68        | -1.1                  | +0.09                   |
| Talmage   | 1870.46 | 43.8       | 1.00        | +0.3                  | +0.29                   | Talmage      | 1876.45 | 71.8       | 0.68        | -1.5                  | +0.15                   |
| Knott     | 1870.47 | 43.9       | 1.00        | +2.9                  | +0.13                   | Dembowski    | 1876.46 | 71.8       | 0.68        | +3.0                  | +0.16                   |
| Dunér     | 1870.51 | 44.0       | 1.00        | -0.3                  | -0.02                   | Schiaparelli | 1876.51 | 72.2       | 0.68        | +0.1                  | +0.11                   |
| O. Struve | 1870.52 | 44.0       | 1.00        | +2.1                  | +0.01                   | Doberck      | 1877.30 | 78.2       | 0.64        | +3.8                  | +0.01                   |
| Talmage   | 1871.41 | 47.1       | 0.96        | +0.6                  |                         | Wilson       | 1877.36 | 78.7       | 0.64        | -8.4                  | +0.30                   |
| Dembowski | 1871.45 | 47.2       | 0.96        | +0.5                  | +0.12                   | Dembowski    | 1877.48 | 79.6       | 0.63        | +1.6                  | +0.15                   |
| Dunér     | 1871.53 | 47.5       | 0.96        | -0.2                  | -0.08                   | Burnham      | 1878.41 | 88.1       | 0.58        | +2.7                  | +0.04                   |
| Knott     | 1871.54 | 47.5       | 0.96        | -1.9                  | +0.04                   | Doberck      | 1878.45 | 88.5       | 0.57        | +4.8                  | +0.04                   |
| Wilson    | 1871.56 | 47.6       | 0.96        | 0.0                   | +0.47                   | Dembowski    | 1878.50 | 89.0       | 0.57        | +2.0                  | +0.03                   |
| Gledhill  | 1871.57 | 47.7       | 0.96        | -1.2                  | -0.01                   | Seabroke     | 1879.63 | 101.3      | 0.53        | +9.2                  | +0.09                   |
| O. Struve | 1871.58 | 47.7       | 0.96        | +5.0                  | -0.03                   | Doberck      | 1880.44 | 111.5      | 0.51        | +3.8                  | +0.01                   |
| Talmage   | 1872.29 | 50.4       | 0.92        | -2.5                  | +0.37                   | Burnham      | 1880.62 | 113.9      | 0.51        | +0.4                  | -0.05                   |

Markree 1880, September. 17.

W. Doberck.

## Beobachtung des Faye'schen Cometen.

1880 September 8.  $11^h 41^m 34^s$  m. Z. Leipzig  $23^h 2^m 54^s 13$  (8.410n)  $+9^0 2' 13'' 5$  (0.773) 12:4.

Mittlerer Ort des Vergl.-Sternes für 1880.0.

 $23^h 3^m 58^s 89 + 9^0 10' 17'' 9 \frac{1}{2}$  (Wash. Cat. 10197 + New 7. Y. C. 2650).

Die Correction der Ephemeride des Berliner Jahrbuchs ergibt sich nach obiger Beobachtung zu

$$\Delta\alpha = -1^s 03$$

$$\Delta\delta = -9'' 6.$$

Leipzig Sternwarte 1880, Sept. 10.

Dr. B. Peter.

## Beobachtung des Cometen Hartwig 1880.

Mittl. Leipz. Zt.

 $\alpha$  app. $\delta$  app.1880 Octbr. 3  $7^h 12^m 33^s$  $15^h 23^m 12^s 89$  $+ 27^0 28' 17'' 4.$ 

Der Comet hatte einen hellen Kern von etwa  $\frac{3}{4}$  Durchmesser mit einer Nebelhülle von 3' Durchmesser. Im Sucher konnte der Schweif wenigstens  $1^0$  verfolgt werden und war von der Sonne abgewandt. Die durch den Schweif gehende Richtung ging  $2^0$  östlich von  $\alpha$  Bootis vorbei.

Leipzig 1880, October 4.

C. Bruhns.