

TABLE VII.—MEAN EASTERLY DISTURBANCE of the DECLINATION at each HOUR during the several MONTHS, expressed in MINUTES of ARC; also the MEAN VALUE of the same during the WHOLE PERIOD.

| Mean Time<br>at Place. | 1875.<br>October<br>23rd to 31st. | 1875.<br>November<br>1st to 30th. | 1875.<br>December<br>1st to 31st. | 1876.<br>January<br>1st to 31st. | 1876.<br>February<br>1st to 29th. | 1876.<br>March<br>1st to 28th. | Mean<br>Easterly<br>Disturbance. |
|------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|--------------------------------|----------------------------------|
| Noon                   | 15.9                              | 19.2                              | 8.0                               | 16.1                             | 14.5                              | 17.2                           | 15.6                             |
| 1                      | 17.5                              | 16.8                              | 12.5                              | 16.2                             | 14.2                              | 15.0                           | 15.1                             |
| 2                      | 11.8                              | 11.4                              | 12.9                              | 16.9                             | 15.4                              | 16.7                           | 14.5                             |
| 3                      | 8.6                               | 18.9                              | 12.8                              | 16.1                             | 12.5                              | 15.8                           | 14.1                             |
| 4                      | 6.2                               | 9.0                               | 8.2                               | 16.2                             | 13.7                              | 17.6                           | 13.3                             |
| 5                      | 8.6                               | 15.3                              | 8.7                               | 11.1                             | 9.3                               | 13.2                           | 11.6                             |
| 6                      | 4.3                               | 7.4                               | 5.6                               | 8.0                              | 19.3                              | 9.6                            | 9.8                              |
| 7                      | 12.3                              | 9.9                               | 15.6                              | 23.7                             | 8.8                               | 15.5                           | 14.2                             |
| 8                      | 29.7                              | 14.2                              | 7.8                               | 6.6                              | 34.7                              | 27.5                           | 19.4                             |
| 9                      | 17.3                              | 13.1                              | 6.5                               | 11.1                             | 30.6                              | 11.3                           | 13.5                             |
| 10                     | 12.9                              | 16.1                              | 14.2                              | 22.2                             | 21.2                              | 27.1                           | 19.5                             |
| 11                     | 28.4                              | 32.6                              | 29.7                              | 13.8                             | 51.6                              | 31.1                           | 30.6                             |
| Midnight               | 27.6                              | 21.0                              | 30.0                              | 10.9                             | 23.7                              | 33.0                           | 24.4                             |
| 13                     | 12.6                              | 37.5                              | 24.7                              | 7.7                              | 19.3                              | 21.3                           | 20.8                             |
| 14                     | 17.6                              | 19.9                              | 23.3                              | 13.9                             | 15.2                              | 20.5                           | 18.9                             |
| 15                     | 7.1                               | 16.8                              | 11.3                              | 10.2                             | 15.4                              | 14.8                           | 13.5                             |
| 16                     | 13.4                              | 9.7                               | 10.7                              | 8.0                              | 19.9                              | 24.8                           | 15.2                             |
| 17                     | 9.1                               | 18.3                              | 4.9                               | 9.2                              | 12.8                              | 29.9                           | 14.4                             |
| 18                     | 7.1                               | 6.5                               | 7.6                               | 5.9                              | 9.9                               | 20.3                           | 10.3                             |
| 19                     | 12.5                              | 6.6                               | 16.1                              | 5.3                              | 23.0                              | 15.4                           | 13.9                             |
| 20                     | 14.3                              | 8.3                               | 13.2                              | 5.9                              | 12.7                              | 11.8                           | 11.4                             |
| 21                     | 8.9                               | 11.4                              | 8.3                               | 9.4                              | 8.1                               | 18.1                           | 12.8                             |
| 22                     | 28.5                              | 19.0                              | 13.7                              | 15.2                             | 9.7                               | 18.3                           | 16.5                             |
| 23                     | 33.4                              | 14.6                              | 11.7                              | 6.9                              | 12.9                              | 13.1                           | 14.2                             |

TABLE VIII.—MEAN WESTERLY DISTURBANCE of the DECLINATION at each HOUR during the several MONTHS, expressed in MINUTES of ARC; also the MEAN VALUE of the same during the WHOLE PERIOD.

| Mean Time<br>at Place. | 1875.<br>October<br>23rd to 31st. | 1875.<br>November<br>1st to 30th. | 1875.<br>December<br>1st to 31st. | 1876.<br>January<br>1st to 31st. | 1876.<br>February<br>1st to 29th. | 1876.<br>March<br>1st to 28th. | Mean<br>Westerly<br>Disturbance. |
|------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|--------------------------------|----------------------------------|
| Noon                   | 51.3                              | 38.7                              | 16.8                              | 36.8                             | 46.4                              | 106.6                          | 40.8                             |
| 1                      | 33.5                              | 19.7                              | 29.8                              | 55.8                             | 57.0                              | 50.0                           | 41.3                             |
| 2                      | 13.2                              | 20.1                              | 30.3                              | 39.0                             | 61.4                              | 60.2                           | 40.7                             |
| 3                      | 24.5                              | 48.8                              | 35.7                              | 22.5                             | 37.3                              | 46.6                           | 34.4                             |
| 4                      | 15.2                              | 20.8                              | 14.1                              | 24.2                             | 31.4                              | 37.0                           | 25.1                             |
| 5                      | 12.6                              | 11.8                              | 10.4                              | 12.4                             | 26.7                              | 25.7                           | 15.8                             |
| 6                      | 3.7                               | 8.1                               | 5.9                               | 26.2                             | 9.7                               | 30.9                           | 16.3                             |
| 7                      | 10.6                              | 9.5                               | 7.4                               | 5.7                              | 9.1                               | 13.0                           | 8.6                              |
| 8                      | 6.3                               | 14.7                              | 5.9                               | 4.4                              | 7.6                               | 12.7                           | 9.2                              |
| 9                      | 14.3                              | 9.2                               | 4.2                               | 4.7                              | 9.2                               | 10.2                           | 7.7                              |
| 10                     | 9.1                               | 8.9                               | 7.3                               | 7.1                              | 8.1                               | 8.5                            | 8.2                              |
| 11                     | 13.6                              | 19.6                              | 8.8                               | 8.5                              | 12.8                              | 10.5                           | 12.6                             |
| Midnight               | 14.9                              | 10.4                              | 10.4                              | 5.7                              | 14.7                              | 11.9                           | 11.2                             |
| 13                     | 11.9                              | 13.6                              | 8.3                               | 7.6                              | 11.6                              | 15.0                           | 11.7                             |
| 14                     | 16.7                              | 15.7                              | 12.1                              | 7.8                              | 11.3                              | 15.7                           | 13.0                             |
| 15                     | 7.6                               | 10.4                              | 8.3                               | 8.0                              | 7.8                               | 17.2                           | 10.2                             |
| 16                     | 5.4                               | 8.0                               | 7.3                               | 7.8                              | 6.6                               | 15.7                           | 9.5                              |
| 17                     | 6.8                               | 6.6                               | 7.4                               | 6.2                              | 9.9                               | 11.0                           | 8.5                              |
| 18                     | 20.8                              | 6.1                               | 6.6                               | 4.1                              | 6.8                               | 9.1                            | 7.8                              |
| 19                     | 47.7                              | 14.1                              | 8.3                               | 6.6                              | 10.0                              | 11.2                           | 12.0                             |
| 20                     | 42.8                              | 8.3                               | 4.5                               | 13.7                             | 20.9                              | 11.1                           | 15.6                             |
| 21                     | 34.1                              | 17.6                              | 13.9                              | 18.2                             | 20.9                              | 86.8                           | 30.7                             |
| 22                     | 42.2                              | 35.3                              | 39.5                              | 35.6                             | 11.1                              | 99.8                           | 43.7                             |
| 23                     | 53.1                              | 33.8                              | 32.2                              | 30.6                             | 27.5                              | 28.7                           | 33.0                             |