

TABLE I.  
DE L'EQUATION DU TEMPS.

LONGITUDE VÉRITABLE DU SOLEIL.

| Deg. | VI. |    | Diff. | VII. |    | Diff. | VIII. |    | Diff. | IX. |    | Diff. | X. |    | Diff. | XI. |    | Diff. |
|------|-----|----|-------|------|----|-------|-------|----|-------|-----|----|-------|----|----|-------|-----|----|-------|
|      | M.  | S. |       | M.   | S. |       | M.    | S. |       | M.  | S. |       | M. | S. |       | M.  | S. |       |
| 0    | 7   | 44 |       | 15   | 33 |       | 13    | 27 |       | 1   | 1  |       | 11 | 41 |       | 14  | 30 |       |
| 1    | 8   | 4  | 20    | 15   | 41 | 8     | 13    | 9  | 18    | 0   | 31 | 30    | 11 | 58 | 17    | 14  | 23 | 7     |
| 2    | 8   | 24 | 20    | 15   | 48 | 7     | 12    | 50 | 19    | 0   | 2  | 29    | 12 | 14 | 16    | 14  | 15 | 8     |
| 3    | 8   | 44 | 20    | 15   | 54 | 6     | 12    | 31 | 19    | 0   | 28 | 30    | 12 | 29 | 15    | 14  | 7  | 9     |
| 4    | 9   | 3  | 19    | 15   | 59 | 5     | 12    | 12 | 19    | 0   | 58 | 30    | 12 | 44 | 14    | 13  | 58 | 9     |
| 5    | 9   | 22 | 19    | 16   | 3  | 4     | 11    | 52 | 20    | 1   | 28 | 30    | 12 | 58 | 14    | 13  | 49 | 9     |
| 6    | 9   | 41 | 19    | 16   | 7  | 4     | 11    | 32 | 20    | 1   | 57 | 29    | 13 | 11 | 13    | 40  |    | 9     |
| 7    | 10  | 0  | 19    | 16   | 10 | 3     | 11    | 12 | 20    | 2   | 26 | 29    | 13 | 23 | 12    | 13  | 31 | 10    |
| 8    | 10  | 19 | 19    | 16   | 11 | 1     | 10    | 51 | 21    | 2   | 55 | 28    | 13 | 35 | 11    | 13  | 21 | 10    |
| 9    | 10  | 38 | 18    | 16   | 12 | 0     | 10    | 30 | 22    | 3   | 23 | 28    | 13 | 46 | 10    | 13  | 11 | 10    |
| 10   | 10  | 56 | 19    | 16   | 12 | 0     | 10    | 8  | 23    | 3   | 51 | 28    | 13 | 56 | 10    | 13  | 1  | 10    |
| 11   | 11  | 15 | 19    | 16   | 12 | 1     | 9     | 45 | 24    | 4   | 19 | 28    | 14 | 6  | 9     | 12  | 50 | 11    |
| 12   | 11  | 34 | 18    | 16   | 11 | 2     | 9     | 21 | 25    | 4   | 47 | 28    | 14 | 15 | 8     | 12  | 38 | 12    |
| 13   | 11  | 52 | 18    | 16   | 9  | 3     | 8     | 56 | 26    | 5   | 15 | 27    | 14 | 23 | 6     | 12  | 26 | 13    |
| 14   | 12  | 10 | 18    | 16   | 6  | 4     | 8     | 30 | 27    | 5   | 42 | 27    | 14 | 29 | 5     | 12  | 13 | 13    |
| 15   | 12  | 28 | 17    | 16   | 2  | 5     | 8     | 3  | 27    | 6   | 9  | 27    | 14 | 34 | 5     | 12  | 0  | 13    |
| 16   | 12  | 45 | 16    | 15   | 57 | 6     | 7     | 36 | 26    | 6   | 36 | 26    | 14 | 39 | 4     | 11  | 47 | 13    |
| 17   | 13  | 1  | 15    | 15   | 51 | 6     | 7     | 10 | 27    | 7   | 2  | 25    | 14 | 43 | 3     | 11  | 32 | 16    |
| 18   | 13  | 16 | 15    | 15   | 45 | 7     | 6     | 43 | 26    | 7   | 27 | 24    | 14 | 46 | 3     | 11  | 16 | 17    |
| 19   | 13  | 31 | 14    | 15   | 38 | 7     | 6     | 17 | 26    | 7   | 51 | 24    | 14 | 49 | 3     | 10  | 59 | 17    |
| 20   | 13  | 45 | 13    | 15   | 31 | 8     | 5     | 50 | 27    | 8   | 14 | 23    | 14 | 51 | 2     | 10  | 41 | 18    |
| 21   | 13  | 58 | 13    | 15   | 23 | 9     | 5     | 23 | 27    | 8   | 38 | 23    | 14 | 52 | 1     | 10  | 23 | 17    |
| 22   | 14  | 11 | 12    | 15   | 14 | 10    | 4     | 56 | 28    | 9   | 1  | 23    | 14 | 53 | 0     | 10  | 6  | 19    |
| 23   | 14  | 23 | 12    | 15   | 4  | 11    | 4     | 28 | 28    | 9   | 24 | 22    | 14 | 53 | 0     | 9   | 47 | 18    |
| 24   | 14  | 35 | 10    | 14   | 53 | 12    | 4     | 0  | 28    | 9   | 46 | 21    | 14 | 53 | 1     | 9   | 29 | 18    |
| 25   | 14  | 45 | 10    | 14   | 41 | 13    | 3     | 32 | 29    | 10  | 7  | 20    | 14 | 52 | 1     | 9   | 11 | 18    |
| 26   | 14  | 55 | 10    | 14   | 28 | 14    | 3     | 3  | 30    | 10  | 27 | 19    | 14 | 49 | 3     | 8   | 53 | 18    |
| 27   | 15  | 5  | 10    | 14   | 14 | 15    | 2     | 33 | 30    | 10  | 46 | 19    | 14 | 45 | 4     | 8   | 35 | 17    |
| 28   | 15  | 15 | 9     | 13   | 59 | 16    | 2     | 3  | 31    | 11  | 5  | 18    | 14 | 41 | 4     | 8   | 18 | 18    |
| 29   | 15  | 24 | 9     | 13   | 43 | 16    | 1     | 32 | 31    | 11  | 23 | 18    | 14 | 36 | 5     | 8   | 0  | 18    |
| 30   | 15  | 33 | 9     | 13   | 27 | 16    | 1     | 1  | 31    | 11  | 41 | 18    | 14 | 30 | 6     | 7   | 42 | 18    |

TABLE III.  
DES ÉPOQUES DES MOYENS MOUVEMENTS  
DU SOLEIL.

| Années Juliennes avant Jesus-Christ.    |                    |    |    |    | Années Grégoriennes après J. C. |    |    |    |         |                    |    |    |    |                   |    |    |    |
|-----------------------------------------|--------------------|----|----|----|---------------------------------|----|----|----|---------|--------------------|----|----|----|-------------------|----|----|----|
|                                         | LONGITUDE moyenne. |    |    |    | LIEU de l'Apogée.               |    |    |    |         | LONGITUDE moyenne. |    |    |    | LIEU de l'Apogée. |    |    |    |
| Années.                                 | Sig.               | D. | M. | S. | Sig.                            | D. | M. | S. | Années. | Sig.               | D. | M. | S. | Sig.              | D. | M. | S. |
| B. 800                                  | 9                  | 1  | 55 | 30 | 1                               | 24 | 43 | 2  | 1705    | 9                  | 9  | 54 | 48 | 3                 | 7  | 41 | 4  |
| B. 700                                  | 9                  | 2  | 41 | 12 | 1                               | 26 | 25 | 57 | 1706    | 9                  | 9  | 40 | 28 | 3                 | 7  | 42 | 6  |
| B. 600                                  | 9                  | 3  | 26 | 53 | 1                               | 28 | 8  | 52 | 1707    | 9                  | 9  | 26 | 9  | 3                 | 7  | 43 | 8  |
| B. 500                                  | 9                  | 4  | 12 | 35 | 1                               | 29 | 51 | 47 | B. 1708 | 9                  | 10 | 10 | 57 | 3                 | 7  | 44 | 9  |
| B. 400                                  | 9                  | 4  | 58 | 17 | 2                               | 1  | 34 | 42 | 1709    | 9                  | 9  | 56 | 38 | 3                 | 7  | 45 | 11 |
| B. 300                                  | 9                  | 5  | 43 | 58 | 2                               | 3  | 17 | 37 | 1710    | 9                  | 9  | 42 | 18 | 3                 | 7  | 46 | 13 |
| B. 200                                  | 9                  | 6  | 29 | 40 | 2                               | 5  | 0  | 32 | 1711    | 9                  | 9  | 27 | 58 | 3                 | 7  | 47 | 15 |
| B. 100                                  | 9                  | 7  | 15 | 21 | 2                               | 6  | 43 | 27 | B. 1712 | 9                  | 10 | 12 | 47 | 3                 | 7  | 48 | 16 |
| B. 0                                    | 9                  | 8  | 1  | 3  | 2                               | 8  | 26 | 22 | 1713    | 9                  | 9  | 58 | 27 | 3                 | 7  | 49 | 18 |
| Années Juliennes après Jesus-Christ.    |                    |    |    |    |                                 |    |    |    |         |                    |    |    |    |                   |    |    |    |
| B. 100                                  | 9                  | 8  | 46 | 44 | 2                               | 10 | 9  | 17 | 1714    | 9                  | 9  | 44 | 28 | 3                 | 7  | 50 | 20 |
| B. 200                                  | 9                  | 9  | 32 | 26 | 2                               | 11 | 52 | 12 | 1715    | 9                  | 9  | 29 | 48 | 3                 | 7  | 51 | 22 |
| B. 300                                  | 9                  | 10 | 18 | 8  | 2                               | 13 | 35 | 7  | B. 1716 | 9                  | 10 | 14 | 37 | 3                 | 7  | 52 | 23 |
| B. 400                                  | 9                  | 11 | 3  | 49 | 2                               | 15 | 18 | 2  | 1717    | 9                  | 10 | 0  | 17 | 3                 | 7  | 53 | 25 |
| B. 500                                  | 9                  | 11 | 49 | 31 | 2                               | 17 | 0  | 57 | 1718    | 9                  | 9  | 45 | 57 | 3                 | 7  | 54 | 27 |
| B. 600                                  | 9                  | 12 | 35 | 12 | 2                               | 18 | 43 | 52 | 1719    | 9                  | 9  | 31 | 38 | 3                 | 7  | 55 | 29 |
| B. 700                                  | 9                  | 13 | 20 | 54 | 2                               | 20 | 26 | 47 | B. 1720 | 9                  | 10 | 16 | 26 | 3                 | 7  | 56 | 30 |
| B. 800                                  | 9                  | 14 | 6  | 35 | 2                               | 22 | 9  | 42 | 1721    | 9                  | 10 | 2  | 7  | 3                 | 7  | 57 | 32 |
| B. 900                                  | 9                  | 14 | 52 | 17 | 2                               | 23 | 52 | 37 | 1722    | 9                  | 9  | 47 | 47 | 3                 | 7  | 58 | 34 |
| B. 1000                                 | 9                  | 15 | 37 | 59 | 2                               | 25 | 35 | 32 | 1723    | 9                  | 9  | 33 | 27 | 3                 | 7  | 59 | 36 |
| B. 1100                                 | 9                  | 16 | 13 | 40 | 2                               | 27 | 18 | 27 | B. 1724 | 9                  | 10 | 18 | 16 | 3                 | 8  | 0  | 37 |
| B. 1200                                 | 9                  | 17 | 9  | 22 | 2                               | 29 | 1  | 22 | 1725    | 9                  | 10 | 3  | 56 | 3                 | 8  | 1  | 39 |
| B. 1300                                 | 9                  | 17 | 55 | 3  | 3                               | 0  | 44 | 17 | 1726    | 9                  | 9  | 49 | 37 | 3                 | 8  | 2  | 41 |
| B. 1400                                 | 9                  | 18 | 40 | 45 | 3                               | 2  | 27 | 12 | 1727    | 9                  | 9  | 35 | 17 | 3                 | 8  | 3  | 43 |
| B. 1500                                 | 9                  | 19 | 26 | 26 | 3                               | 4  | 10 | 7  | B. 1728 | 9                  | 10 | 20 | 6  | 3                 | 8  | 4  | 44 |
| Années Grégoriennes après Jesus-Christ. |                    |    |    |    |                                 |    |    |    |         |                    |    |    |    |                   |    |    |    |
| B. 1600                                 | 9                  | 10 | 20 | 45 | 3                               | 5  | 53 | 0  | 1729    | 9                  | 10 | 5  | 46 | 3                 | 8  | 5  | 46 |
| C. 1700                                 | 9                  | 10 | 7  | 18 | 3                               | 7  | 35 | 55 | 1730    | 9                  | 9  | 51 | 26 | 3                 | 8  | 6  | 48 |
| C. 1701                                 | 9                  | 9  | 52 | 58 | 3                               | 7  | 36 | 57 | 1731    | 9                  | 9  | 37 | 7  | 3                 | 8  | 7  | 50 |
| C. 1702                                 | 9                  | 9  | 38 | 39 | 3                               | 7  | 37 | 58 | B. 1732 | 9                  | 10 | 21 | 55 | 3                 | 8  | 8  | 51 |
| C. 1703                                 | 9                  | 9  | 24 | 19 | 3                               | 7  | 39 | 0  | 1733    | 9                  | 10 | 7  | 36 | 3                 | 8  | 9  | 53 |
| B. 1704                                 | 9                  | 10 | 9  | 8  | 3                               | 7  | 40 | 2  | 1734    | 9                  | 9  | 53 | 16 | 3                 | 8  | 10 | 55 |
|                                         |                    |    |    |    |                                 |    |    |    | 1735    | 9                  | 9  | 38 | 56 | 3                 | 8  | 11 | 57 |
|                                         |                    |    |    |    |                                 |    |    |    | B. 1736 | 9                  | 10 | 23 | 45 | 3                 | 8  | 12 | 58 |

T A B L E I I I.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DU SOLEIL.

| Années Grégoriennes après J. C. |      |    |       | Années Grégoriennes après J. C. |    |    |    |                    |         |    |    |                   |      |    |    |    |    |
|---------------------------------|------|----|-------|---------------------------------|----|----|----|--------------------|---------|----|----|-------------------|------|----|----|----|----|
| LONGITUDE moyenne.              |      |    |       | LIEU de l'Apogée.               |    |    |    | LONGITUDE moyenne. |         |    |    | LIEU de l'Apogée. |      |    |    |    |    |
| Années.                         | Sig. | D. | M. S. | Sig.                            | D. | M. | S. | Années.            | Sig.    | D. | M. | S.                | Sig. | D. | M. | S. |    |
| 1737                            | 9    | 10 | 9     | 26                              | 3  | 8  | 14 | 0                  | 1769    | 9  | 10 | 24                | 3    | 3  | 8  | 46 | 55 |
| 1738                            | 9    | 9  | 55    | 6                               | 3  | 8  | 15 | 1                  | 1770    | 9  | 10 | 9                 | 43   | 3  | 8  | 47 | 57 |
| 1739                            | 9    | 9  | 40    | 46                              | 3  | 8  | 16 | 3                  | 1771    | 9  | 9  | 55                | 23   | 3  | 8  | 48 | 59 |
| B. 1740                         | 9    | 10 | 25    | 35                              | 3  | 8  | 17 | 5                  | B. 1772 | 9  | 10 | 40                | 12   | 3  | 8  | 50 | 1  |
| 1741                            | 9    | 10 | 11    | 15                              | 3  | 8  | 18 | 7                  | 1773    | 9  | 10 | 25                | 52   | 3  | 8  | 51 | 3  |
| 1742                            | 9    | 9  | 56    | 55                              | 3  | 8  | 19 | 9                  | 1774    | 9  | 10 | 11                | 33   | 3  | 8  | 52 | 5  |
| 1743                            | 9    | 9  | 42    | 36                              | 3  | 8  | 20 | 11                 | 1775    | 9  | 9  | 57                | 13   | 3  | 8  | 53 | 7  |
| B. 1744                         | 9    | 10 | 27    | 24                              | 3  | 8  | 21 | 12                 | B. 1776 | 9  | 10 | 42                | 2    | 3  | 8  | 54 | 8  |
| 1745                            | 9    | 10 | 13    | 5                               | 3  | 8  | 22 | 14                 | 1777    | 9  | 10 | 27                | 42   | 3  | 8  | 55 | 10 |
| 1746                            | 9    | 9  | 58    | 45                              | 3  | 8  | 23 | 15                 | 1778    | 9  | 10 | 13                | 22   | 3  | 8  | 56 | 12 |
| 1747                            | 9    | 9  | 44    | 25                              | 3  | 8  | 24 | 17                 | 1779    | 9  | 9  | 59                | 3    | 3  | 8  | 57 | 14 |
| B. 1748                         | 9    | 10 | 29    | 14                              | 3  | 8  | 25 | 19                 | B. 1780 | 9  | 10 | 43                | 51   | 3  | 8  | 58 | 15 |
| 1749                            | 9    | 10 | 14    | 54                              | 3  | 8  | 26 | 21                 | 1781    | 9  | 10 | 29                | 32   | 3  | 8  | 59 | 17 |
| 1750                            | 9    | 10 | 0     | 35                              | 3  | 8  | 27 | 23                 | 1782    | 9  | 10 | 15                | 12   | 3  | 9  | 0  | 19 |
| 1751                            | 9    | 9  | 46    | 15                              | 3  | 8  | 28 | 25                 | 1783    | 9  | 10 | 0                 | 52   | 3  | 9  | 1  | 21 |
| B. 1752                         | 9    | 10 | 31    | 4                               | 3  | 8  | 29 | 26                 | B. 1784 | 9  | 10 | 45                | 41   | 3  | 9  | 2  | 22 |
| 1753                            | 9    | 10 | 16    | 44                              | 3  | 8  | 30 | 28                 | 1785    | 9  | 10 | 31                | 21   | 3  | 9  | 3  | 24 |
| 1754                            | 9    | 10 | 2     | 24                              | 3  | 8  | 31 | 30                 | 1786    | 9  | 10 | 17                | 2    | 3  | 9  | 4  | 26 |
| 1755                            | 9    | 9  | 48    | 5                               | 3  | 8  | 32 | 32                 | 1787    | 9  | 10 | 2                 | 42   | 3  | 9  | 5  | 28 |
| B. 1756                         | 9    | 10 | 32    | 53                              | 3  | 8  | 33 | 33                 | B. 1788 | 9  | 10 | 47                | 31   | 3  | 9  | 6  | 29 |
| 1757                            | 9    | 10 | 18    | 33                              | 3  | 8  | 34 | 35                 | 1789    | 9  | 10 | 33                | 11   | 3  | 9  | 7  | 31 |
| 1758                            | 9    | 10 | 4     | 14                              | 3  | 8  | 35 | 36                 | 1790    | 9  | 10 | 18                | 52   | 3  | 9  | 8  | 33 |
| 1759                            | 9    | 9  | 49    | 54                              | 3  | 8  | 36 | 38                 | 1791    | 9  | 10 | 4                 | 32   | 3  | 9  | 9  | 34 |
| B. 1760                         | 9    | 10 | 34    | 43                              | 3  | 8  | 37 | 40                 | B. 1792 | 9  | 10 | 49                | 21   | 3  | 9  | 10 | 36 |
| 1761                            | 9    | 10 | 20    | 23                              | 3  | 8  | 38 | 42                 | 1793    | 9  | 10 | 35                | 1    | 3  | 9  | 11 | 38 |
| 1762                            | 9    | 10 | 6     | 3                               | 3  | 8  | 39 | 43                 | 1794    | 9  | 10 | 20                | 41   | 3  | 9  | 12 | 40 |
| 1763                            | 9    | 9  | 51    | 44                              | 3  | 8  | 40 | 45                 | 1795    | 9  | 10 | 6                 | 22   | 3  | 9  | 13 | 42 |
| B. 1764                         | 9    | 10 | 36    | 32                              | 3  | 8  | 41 | 47                 | B. 1796 | 9  | 10 | 51                | 10   | 3  | 9  | 14 | 43 |
| 1765                            | 9    | 10 | 22    | 13                              | 3  | 8  | 42 | 49                 | 1797    | 9  | 10 | 36                | 51   | 3  | 9  | 15 | 45 |
| 1766                            | 9    | 10 | 7     | 53                              | 3  | 8  | 43 | 50                 | 1798    | 9  | 10 | 22                | 31   | 3  | 9  | 16 | 47 |
| 1767                            | 9    | 9  | 53    | 34                              | 3  | 8  | 44 | 52                 | 1799    | 9  | 10 | 8                 | 11   | 3  | 9  | 17 | 48 |
| B. 1768                         | 9    | 10 | 38    | 22                              | 3  | 8  | 45 | 54                 | C. 1800 | 9  | 9  | 53                | 52   | 3  | 9  | 18 | 50 |



T A B L E I V.  
DES MOYENS MOUVEMENTS DU SOLEIL  
pour les Années.

| LONGITUDE. |                | APOGÉE.  |          | LONGITUDE.     |                | APOGÉE.  |         |
|------------|----------------|----------|----------|----------------|----------------|----------|---------|
| Années.    | Sign. D. M. S. | D. M. S. | Années.  | Sign. D. M. S. | Sign. D. M. S. | D. M. S. | Années. |
| 61         | 0 0 13 5       | 1 2 47   | B. 91    | 11 29 57 14    | 0 1 33 40      |          |         |
| 62         | 11 29 58 46    | 1 3 48   | B. 92    | 0 0 42 2       | 0 1 34 41      |          |         |
| 63         | 11 29 44 26    | 1 4 50   | B. 93    | 0 0 27 43      | 0 1 35 43      |          |         |
| B. 64      | 0 0 29 15      | 1 5 52   | B. 94    | 0 0 13 23      | 0 1 36 45      |          |         |
| 65         | 0 0 14 55      | 1 6 53   | B. 95    | 11 29 59 3     | 0 1 37 47      |          |         |
| 66         | 0 0 0 35       | 1 7 55   | B. 96    | 0 0 43 52      | 0 1 38 48      |          |         |
| 67         | 11 29 46 16    | 1 8 57   | B. 97    | 0 0 29 32      | 0 1 39 50      |          |         |
| B. 68      | 0 0 31 4       | 1 9 59   | B. 98    | 0 0 15 13      | 0 1 40 52      |          |         |
| 69         | 0 0 16 45      | 1 11 0   | B. 99    | 0 0 0 53       | 0 1 41 53      |          |         |
| 70         | 0 0 2 25       | 1 12 2   | B. 100   | 0 0 45 42      | 0 1 42 55      |          |         |
| 71         | 11 29 48 5     | 1 13 4   | C. 100   | 11 29 46 33    | 0 1 42 55      |          |         |
| B. 72      | 0 0 32 54      | 1 14 6   | C. 200   | 11 29 33 6     | 0 3 25 50      |          |         |
| 73         | 0 0 18 34      | 1 15 8   | C. 300   | 11 29 19 40    | 0 5 8 45       |          |         |
| 74         | 0 0 4 15       | 1 16 10  | B. 400   | 0 0 5 21       | 0 6 51 40      |          |         |
| 75         | 11 29 49 55    | 1 17 12  | C. 500   | 11 29 51 55    | 0 8 34 35      |          |         |
| B. 76      | 0 0 34 44      | 1 18 13  | C. 600   | 11 29 38 28    | 0 10 17 30     |          |         |
| 77         | 0 0 20 24      | 1 19 15  | C. 700   | 11 29 25 1     | 0 12 0 25      |          |         |
| 78         | 0 0 6 4        | 1 20 16  | B. 800   | 0 0 10 43      | 0 13 43 20     |          |         |
| 79         | 11 29 51 45    | 1 21 18  | C. 900   | 11 29 57 16    | 0 15 26 15     |          |         |
| B. 80      | 0 0 36 33      | 1 22 20  | C. 1000  | 11 29 43 49    | 0 17 9 9       |          |         |
| 81         | 0 0 22 14      | 1 23 22  | B. 2000  | 0 0 26 47      | 1 4 18 18      |          |         |
| 82         | 0 0 7 54       | 1 24 24  | C. 3000  | 0 0 10 36      | 1 21 27 27     |          |         |
| 83         | 11 29 53 34    | 1 25 25  | B. 4000  | 0 0 53 33      | 2 8 36 36      |          |         |
| B. 84      | 0 0 38 23      | 1 26 27  | C. 5000  | 0 0 37 22      | 2 25 45 45     |          |         |
| 85         | 0 0 24 3       | 1 27 29  | B. 6000  | 0 1 20 20      | 3 12 54 54     |          |         |
| 86         | 0 0 9 44       | 1 28 30  | C. 7000  | 0 1 4 9        | 4 0 4 3        |          |         |
| 87         | 11 29 55 24    | 1 29 32  | B. 8000  | 0 1 47 6       | 4 17 13 12     |          |         |
| B. 88      | 0 0 40 13      | 1 30 34  | C. 9000  | 0 1 30 55      | 5 4 22 21      |          |         |
| 89         | 0 0 25 53      | 1 31 36  | B. 10000 | 0 2 13 53      | 5 21 31 30     |          |         |
| 90         | 0 0 11 33      | 1 32 38  | B. 20000 | 0 4 27 46      | 11 13 3 0      |          |         |

TABLE V.  
DES MOYENS MOUVEMENTS DU SOLEIL  
pour les Jours de l'Année.

| JANVIER.         |               |            |    | FEVRIER. |              |                  |               | MARS.      |    |    |              |                  |               |            |    |    |              |        |  |
|------------------|---------------|------------|----|----------|--------------|------------------|---------------|------------|----|----|--------------|------------------|---------------|------------|----|----|--------------|--------|--|
| Biflex-<br>tile. | Com-<br>mune. | Longitude. |    |          | Apo-<br>gée. | Biflex-<br>tile. | Com-<br>mune. | Longitude. |    |    | Apo-<br>gée. | Biflex-<br>tile. | Com-<br>mune. | Longitude. |    |    | Apo-<br>gée. |        |  |
| Jours.           | Jours.        | Sig.       | D. | M.       | S.           | Jours.           | Jours.        | Sig.       | D. | M. | S.           | Jours.           | Jours.        | Sig.       | D. | M. | S.           | Jours. |  |
| 1                |               | 0          | 0  | 0        | 0            | 1                |               | 1          | 0  | 33 | 18           |                  |               |            |    |    |              |        |  |
| 2                | 1             | 0          | 0  | 59       | 8            | 2                | 1             | 1          | 1  | 32 | 27           | 6                | 1             | 1          | 29 | 8  | 19           | 10     |  |
| 3                | 2             | 0          | 1  | 58       | 17           | 3                | 2             | 1          | 2  | 31 | 35           | 2                | 2             | 0          | 7  | 28 |              |        |  |
| 4                | 3             | 0          | 2  | 57       | 25           | 4                | 3             | 1          | 3  | 30 | 43           | 3                | 2             | 1          | 6  | 37 |              |        |  |
| 5                | 4             | 0          | 3  | 56       | 33           | 5                | 4             | 1          | 4  | 29 | 52           | 4                | 2             | 2          | 5  | 45 |              |        |  |
| 6                | 5             | 0          | 4  | 55       | 42           | 1                | 5             | 1          | 5  | 29 | 0            | 6                | 5             | 2          | 3  | 4  | 53           | 11     |  |
| 7                | 6             | 0          | 5  | 54       | 50           |                  | 6             | 1          | 6  | 28 | 8            |                  | 6             | 2          | 4  | 4  | 1            |        |  |
| 8                | 7             | 0          | 6  | 53       | 58           |                  | 7             | 1          | 7  | 27 | 17           |                  | 7             | 2          | 5  | 3  | 10           |        |  |
| 9                | 8             | 0          | 7  | 53       | 7            |                  | 8             | 1          | 8  | 26 | 25           |                  | 8             | 2          | 6  | 2  | 18           |        |  |
| 10               | 9             | 0          | 8  | 52       | 15           |                  | 9             | 1          | 9  | 25 | 33           |                  | 9             | 2          | 7  | 1  | 26           |        |  |
| 11               | 10            | 0          | 9  | 51       | 23           | 2                | 10            | 1          | 10 | 24 | 42           | 7                | 10            | 2          | 8  | 0  | 35           | 12     |  |
| 12               | 11            | 0          | 10 | 50       | 32           |                  | 11            | 1          | 11 | 23 | 50           |                  | 11            | 2          | 8  | 59 | 43           |        |  |
| 13               | 12            | 0          | 11 | 49       | 40           |                  | 12            | 1          | 12 | 22 | 58           |                  | 12            | 2          | 9  | 58 | 51           |        |  |
| 14               | 13            | 0          | 12 | 48       | 48           |                  | 13            | 1          | 13 | 22 | 7            |                  | 13            | 2          | 10 | 58 | 0            |        |  |
| 15               | 14            | 0          | 13 | 47       | 57           |                  | 14            | 1          | 14 | 21 | 15           |                  | 14            | 2          | 11 | 57 | 8            |        |  |
| 16               | 15            | 0          | 14 | 47       | 5            | 3                | 15            | 1          | 15 | 20 | 23           | 8                | 15            | 2          | 12 | 56 | 16           | 13     |  |
| 17               | 16            | 0          | 15 | 46       | 13           |                  | 16            | 1          | 16 | 19 | 32           |                  | 16            | 2          | 13 | 55 | 25           |        |  |
| 18               | 17            | 0          | 16 | 45       | 22           |                  | 17            | 1          | 17 | 18 | 40           |                  | 17            | 2          | 14 | 54 | 33           |        |  |
| 19               | 18            | 0          | 17 | 44       | 30           |                  | 18            | 1          | 18 | 17 | 48           |                  | 18            | 2          | 15 | 53 | 41           |        |  |
| 20               | 19            | 0          | 18 | 43       | 38           |                  | 19            | 1          | 19 | 16 | 57           |                  | 19            | 2          | 16 | 52 | 50           |        |  |
| 21               | 20            | 0          | 19 | 42       | 47           | 4                | 20            | 1          | 20 | 16 | 5            | 9                | 20            | 2          | 17 | 51 | 58           | 14     |  |
| 22               | 21            | 0          | 20 | 41       | 55           |                  | 21            | 1          | 21 | 15 | 13           |                  | 21            | 2          | 18 | 51 | 6            |        |  |
| 23               | 22            | 0          | 21 | 41       | 3            |                  | 22            | 1          | 22 | 14 | 22           |                  | 22            | 2          | 19 | 50 | 14           |        |  |
| 24               | 23            | 0          | 22 | 40       | 12           |                  | 23            | 1          | 23 | 13 | 30           |                  | 23            | 2          | 20 | 49 | 23           |        |  |
| 25               | 24            | 0          | 23 | 39       | 20           |                  | 24            | 1          | 24 | 12 | 38           |                  | 24            | 2          | 21 | 48 | 31           |        |  |
| 26               | 25            | 0          | 24 | 38       | 28           | 5                | 25            | 1          | 25 | 11 | 47           | 10               | 25            | 2          | 22 | 47 | 40           | 15     |  |
| 27               | 26            | 0          | 25 | 37       | 36           |                  | 26            | 1          | 26 | 10 | 55           |                  | 26            | 2          | 23 | 46 | 48           |        |  |
| 28               | 27            | 0          | 26 | 36       | 45           |                  | 27            | 1          | 27 | 10 | 3            |                  | 27            | 2          | 24 | 45 | 56           |        |  |
| 29               | 28            | 0          | 27 | 35       | 53           |                  | 28            | 1          | 28 | 9  | 11           |                  | 28            | 2          | 25 | 45 | 5            |        |  |
| 30               | 29            | 0          | 28 | 35       | 2            |                  |               |            |    |    |              |                  | 29            | 2          | 26 | 44 | 13           |        |  |
| 31               | 30            | 0          | 29 | 34       | 10           |                  |               |            |    |    |              |                  | 30            | 2          | 27 | 43 | 21           |        |  |
|                  | 31            | 1          | 0  | 33       | 18           |                  |               |            |    |    |              |                  | 31            | 2          | 28 | 42 | 30           |        |  |

T A B L E V.  
DES MOYENS MOUVEMENTS DU SOLEIL  
pour les Jours de l'Année.

| A V R I L. |       |    |    |         | M A I.     |       |    |    |         | J U I N.   |       |    |    |         |    |    |    |
|------------|-------|----|----|---------|------------|-------|----|----|---------|------------|-------|----|----|---------|----|----|----|
| Longitude. |       |    |    | Apogée. | Longitude. |       |    |    | Apogée. | Longitude. |       |    |    | Apogée. |    |    |    |
| Jours.     | Sign. | D. | M. | S.      | Jours.     | Sign. | D. | M. | S.      | Jours.     | Sign. | D. | M. | S.      |    |    |    |
| 1          | 2     | 29 | 41 | 38      | 16         | 1     | 3  | 29 | 15      | 48         | 21    | 1  | 4  | 29      | 49 | 6  | 26 |
| 2          | 3     | 0  | 40 | 47      | 2          | 4     | 0  | 14 | 56      | 2          | 5     | 0  | 48 | 15      |    |    |    |
| 3          | 3     | 1  | 39 | 55      | 3          | 4     | 1  | 14 | 5       | 3          | 5     | 1  | 47 | 23      |    |    |    |
| 4          | 3     | 2  | 39 | 3       | 4          | 4     | 2  | 13 | 13      | 4          | 5     | 2  | 46 | 31      |    |    |    |
| 5          | 3     | 3  | 38 | 11      | 16         | 5     | 4  | 3  | 12      | 21         | 21    | 5  | 5  | 3       | 45 | 39 | 26 |
| 6          | 3     | 4  | 37 | 20      | 6          | 4     | 4  | 11 | 30      | 6          | 5     | 4  | 44 | 47      |    |    |    |
| 7          | 3     | 5  | 36 | 28      | 7          | 4     | 5  | 10 | 38      | 7          | 5     | 5  | 43 | 56      |    |    |    |
| 8          | 3     | 6  | 35 | 36      | 8          | 4     | 6  | 9  | 46      | 8          | 5     | 6  | 43 | 4       |    |    |    |
| 9          | 3     | 7  | 34 | 45      | 9          | 4     | 7  | 8  | 55      | 9          | 5     | 7  | 42 | 13      |    |    |    |
| 10         | 3     | 8  | 33 | 53      | 17         | 10    | 4  | 8  | 8       | 3          | 22    | 10 | 5  | 8       | 41 | 21 | 27 |
| 11         | 3     | 9  | 33 | 1       | 11         | 4     | 9  | 7  | 11      | 11         | 5     | 9  | 40 | 30      |    |    |    |
| 12         | 3     | 10 | 32 | 10      | 12         | 4     | 10 | 6  | 20      | 12         | 5     | 10 | 39 | 38      |    |    |    |
| 13         | 3     | 11 | 31 | 18      | 13         | 4     | 11 | 5  | 28      | 13         | 5     | 11 | 38 | 46      |    |    |    |
| 14         | 3     | 12 | 30 | 26      | 14         | 4     | 12 | 4  | 37      | 14         | 5     | 12 | 37 | 55      |    |    |    |
| 15         | 3     | 13 | 29 | 34      | 18         | 15    | 4  | 13 | 3       | 45         | 23    | 15 | 5  | 13      | 37 | 3  | 28 |
| 16         | 3     | 14 | 28 | 43      | 16         | 4     | 14 | 2  | 53      | 16         | 5     | 14 | 36 | 11      |    |    |    |
| 17         | 3     | 15 | 27 | 51      | 17         | 4     | 15 | 2  | 1       | 17         | 5     | 15 | 35 | 20      |    |    |    |
| 18         | 3     | 16 | 27 | 0       | 18         | 4     | 16 | 1  | 10      | 18         | 5     | 16 | 34 | 28      |    |    |    |
| 19         | 3     | 17 | 26 | 8       | 19         | 4     | 17 | 0  | 18      | 19         | 5     | 17 | 33 | 36      |    |    |    |
| 20         | 3     | 18 | 25 | 16      | 19         | 20    | 4  | 17 | 59      | 26         | 24    | 20 | 5  | 18      | 32 | 45 | 29 |
| 21         | 3     | 19 | 24 | 25      | 21         | 4     | 18 | 58 | 34      | 21         | 5     | 19 | 31 | 53      |    |    |    |
| 22         | 3     | 20 | 23 | 33      | 22         | 4     | 19 | 57 | 43      | 22         | 5     | 20 | 31 | 1       |    |    |    |
| 23         | 3     | 21 | 22 | 41      | 23         | 4     | 20 | 56 | 51      | 23         | 5     | 21 | 30 | 10      |    |    |    |
| 24         | 3     | 22 | 21 | 50      | 24         | 4     | 21 | 56 | 0       | 24         | 5     | 22 | 29 | 18      |    |    |    |
| 25         | 3     | 23 | 20 | 58      | 20         | 25    | 4  | 22 | 55      | 8          | 25    | 25 | 5  | 23      | 28 | 26 | 30 |
| 26         | 3     | 24 | 20 | 6       | 26         | 4     | 23 | 54 | 16      | 26         | 5     | 24 | 27 | 35      |    |    |    |
| 27         | 3     | 25 | 19 | 15      | 27         | 4     | 24 | 53 | 25      | 27         | 5     | 25 | 26 | 43      |    |    |    |
| 28         | 3     | 26 | 18 | 23      | 28         | 4     | 25 | 52 | 33      | 28         | 5     | 26 | 25 | 51      |    |    |    |
| 29         | 3     | 27 | 17 | 31      | 29         | 4     | 26 | 51 | 41      | 29         | 5     | 27 | 25 | 0       |    |    |    |
| 30         | 3     | 28 | 16 | 40      | 30         | 4     | 27 | 50 | 50      | 30         | 5     | 28 | 24 | 8       |    |    |    |
|            |       |    |    |         | 31         | 4     | 28 | 49 | 58      |            |       |    |    |         |    |    |    |

TABLE V.  
DES MOYENS MOUVEMENTS DU SOLEIL  
pour les Jours de l'Année.

| JUILLET. |            |    |    |    | A O U S T.   |        |            |    |    | SEPTEMBRE. |              |        |            |    |    |    |              |
|----------|------------|----|----|----|--------------|--------|------------|----|----|------------|--------------|--------|------------|----|----|----|--------------|
|          | Longitude. |    |    |    | Apo-<br>gée. |        | Longitude. |    |    |            | Apo-<br>gée. |        | Longitude. |    |    |    | Apo-<br>gée. |
| Jours.   | Sign.      | D. | M. | S. | S.           | Jours. | Sign.      | D. | M. | S.         | S.           | Jours. | Sign.      | D. | M. | S. | S.           |
| 1        | 5          | 29 | 23 | 16 | 31           | 1      | 6          | 29 | 56 | 34         | 36           | 1      | 8          | 0  | 29 | 53 | 42           |
| 2        | 6          | 0  | 22 | 24 |              | 2      | 7          | 0  | 55 | 42         |              | 2      | 8          | 1  | 29 | 1  |              |
| 3        | 6          | 1  | 21 | 33 |              | 3      | 7          | 1  | 54 | 51         |              | 3      | 8          | 2  | 28 | 9  |              |
| 4        | 6          | 2  | 20 | 41 |              | 4      | 7          | 2  | 53 | 59         |              | 4      | 8          | 3  | 27 | 18 |              |
| 5        | 6          | 3  | 19 | 49 | 31           | 5      | 7          | 3  | 53 | 7          | 37           | 5      | 8          | 4  | 26 | 26 | 42           |
| 6        | 6          | 4  | 18 | 58 |              | 6      | 7          | 4  | 52 | 15         |              | 6      | 8          | 5  | 25 | 34 |              |
| 7        | 6          | 5  | 18 | 6  |              | 7      | 7          | 5  | 51 | 24         |              | 7      | 8          | 6  | 24 | 43 |              |
| 8        | 6          | 6  | 17 | 14 |              | 8      | 7          | 6  | 50 | 32         |              | 8      | 8          | 7  | 23 | 51 |              |
| 9        | 6          | 7  | 16 | 22 |              | 9      | 7          | 7  | 49 | 40         |              | 9      | 8          | 8  | 22 | 59 |              |
| 10       | 6          | 8  | 15 | 31 | 32           | 10     | 7          | 8  | 48 | 48         | 38           | 10     | 8          | 9  | 22 | 8  | 43           |
| 11       | 6          | 9  | 14 | 39 |              | 11     | 7          | 9  | 47 | 57         |              | 11     | 8          | 10 | 21 | 16 |              |
| 12       | 6          | 10 | 13 | 47 |              | 12     | 7          | 10 | 47 | 5          |              | 12     | 8          | 11 | 20 | 24 |              |
| 13       | 6          | 11 | 12 | 56 |              | 13     | 7          | 11 | 46 | 13         |              | 13     | 8          | 12 | 19 | 33 |              |
| 14       | 6          | 12 | 12 | 4  |              | 14     | 7          | 12 | 45 | 21         |              | 14     | 8          | 13 | 18 | 41 |              |
| 15       | 6          | 13 | 11 | 12 | 33           | 15     | 7          | 13 | 44 | 30         | 39           | 15     | 8          | 14 | 17 | 49 | 44           |
| 16       | 6          | 14 | 10 | 21 |              | 16     | 7          | 14 | 43 | 38         |              | 16     | 8          | 15 | 16 | 58 |              |
| 17       | 6          | 15 | 9  | 29 |              | 17     | 7          | 15 | 42 | 46         |              | 17     | 8          | 16 | 16 | 6  |              |
| 18       | 6          | 16 | 8  | 37 |              | 18     | 7          | 16 | 41 | 55         |              | 18     | 8          | 17 | 15 | 14 |              |
| 19       | 6          | 17 | 7  | 45 |              | 19     | 7          | 17 | 41 | 3          |              | 19     | 8          | 18 | 14 | 23 |              |
| 20       | 6          | 18 | 6  | 54 | 34           | 20     | 7          | 18 | 40 | 11         | 40           | 20     | 8          | 19 | 13 | 31 | 45           |
| 21       | 6          | 19 | 6  | 2  |              | 21     | 7          | 19 | 39 | 19         |              | 21     | 8          | 20 | 12 | 39 |              |
| 22       | 6          | 20 | 5  | 11 |              | 22     | 7          | 20 | 38 | 28         |              | 22     | 8          | 21 | 11 | 47 |              |
| 23       | 6          | 21 | 4  | 19 |              | 23     | 7          | 21 | 37 | 36         |              | 23     | 8          | 22 | 10 | 56 |              |
| 24       | 6          | 22 | 3  | 28 |              | 24     | 7          | 22 | 36 | 44         |              | 24     | 8          | 23 | 10 | 4  |              |
| 25       | 6          | 23 | 2  | 36 | 35           | 25     | 7          | 23 | 35 | 53         | 41           | 25     | 8          | 24 | 9  | 12 | 46           |
| 26       | 6          | 24 | 1  | 44 |              | 26     | 7          | 24 | 35 | 1          |              | 26     | 8          | 25 | 8  | 21 |              |
| 27       | 6          | 25 | 0  | 52 |              | 27     | 7          | 25 | 34 | 10         |              | 27     | 8          | 26 | 7  | 29 |              |
| 28       | 6          | 26 | 0  | 0  |              | 28     | 7          | 26 | 33 | 18         |              | 28     | 8          | 27 | 6  | 37 |              |
| 29       | 6          | 26 | 59 | 9  |              | 29     | 7          | 27 | 32 | 26         |              | 29     | 8          | 28 | 5  | 45 |              |
| 30       | 6          | 27 | 58 | 17 |              | 30     | 7          | 28 | 31 | 36         |              | 30     | 8          | 29 | 4  | 54 |              |
| 31       | 6          | 28 | 57 | 26 |              | 31     | 7          | 29 | 30 | 45         |              |        |            |    |    |    |              |



TABLE V.  
DES MOYENS MOUVEMENTS DU SOLEIL  
pour les Jours de l'Année.

| OCTOBRE.   |       |    |       |         | NOVEMBRE.  |       |    |       |         | DECEMBRE.  |       |    |       |         |    |    |    |
|------------|-------|----|-------|---------|------------|-------|----|-------|---------|------------|-------|----|-------|---------|----|----|----|
| Longitude. |       |    |       | Apogée. | Longitude. |       |    |       | Apogée. | Longitude. |       |    |       | Apogée. |    |    |    |
| Jours.     | Sign. | D. | M. S. |         | Jours.     | Sign. | D. | M. S. |         | Jours.     | Sign. | D. | M. S. |         |    |    |    |
| 1          | 9     | 0  | 4     | 3       | 47         | 1     | 10 | 0     | 37      | 20         | 52    | 1  | 11    | 0       | 11 | 31 | 57 |
| 2          | 9     | 1  | 3     | 11      |            | 2     | 10 | 1     | 36      | 29         |       | 2  | 11    | 1       | 10 | 39 |    |
| 3          | 9     | 2  | 2     | 19      |            | 3     | 10 | 2     | 35      | 37         |       | 3  | 11    | 2       | 9  | 47 |    |
| 4          | 9     | 3  | 1     | 28      |            | 4     | 10 | 3     | 34      | 46         |       | 4  | 11    | 3       | 8  | 56 |    |
| 5          | 9     | 4  | 0     | 36      | 47         | 5     | 10 | 4     | 33      | 54         | 52    | 5  | 11    | 4       | 8  | 4  | 57 |
| 6          | 9     | 4  | 59    | 44      |            | 6     | 10 | 5     | 33      | 2          |       | 6  | 11    | 5       | 7  | 12 |    |
| 7          | 9     | 5  | 58    | 53      |            | 7     | 10 | 6     | 32      | 10         |       | 7  | 11    | 6       | 6  | 21 |    |
| 8          | 9     | 6  | 58    | 1       |            | 8     | 10 | 7     | 31      | 19         |       | 8  | 11    | 7       | 5  | 29 |    |
| 9          | 9     | 7  | 57    | 9       |            | 9     | 10 | 8     | 30      | 27         |       | 9  | 11    | 8       | 4  | 37 |    |
| 10         | 9     | 8  | 56    | 18      | 48         | 10    | 10 | 9     | 29      | 35         | 53    | 10 | 11    | 9       | 3  | 46 | 58 |
| 11         | 9     | 9  | 55    | 26      |            | 11    | 10 | 10    | 28      | 44         |       | 11 | 11    | 10      | 2  | 54 |    |
| 12         | 9     | 10 | 54    | 34      |            | 12    | 10 | 11    | 27      | 52         |       | 12 | 11    | 11      | 2  | 2  |    |
| 13         | 9     | 11 | 53    | 42      |            | 13    | 10 | 12    | 27      | 0          |       | 13 | 11    | 12      | 1  | 10 |    |
| 14         | 9     | 12 | 52    | 50      |            | 14    | 10 | 13    | 26      | 8          |       | 14 | 11    | 13      | 0  | 18 |    |
| 15         | 9     | 13 | 51    | 58      | 49         | 15    | 10 | 14    | 25      | 17         | 54    | 15 | 11    | 13      | 59 | 27 | 59 |
| 16         | 9     | 14 | 51    | 7       |            | 16    | 10 | 15    | 24      | 25         |       | 16 | 11    | 14      | 58 | 35 |    |
| 17         | 9     | 15 | 50    | 15      |            | 17    | 10 | 16    | 23      | 34         |       | 17 | 11    | 15      | 57 | 44 |    |
| 18         | 9     | 16 | 49    | 23      |            | 18    | 10 | 17    | 22      | 42         |       | 18 | 11    | 16      | 56 | 52 |    |
| 19         | 9     | 17 | 48    | 31      |            | 19    | 10 | 18    | 21      | 50         |       | 19 | 11    | 17      | 56 | 0  |    |
| 20         | 9     | 18 | 47    | 40      | 50         | 20    | 10 | 19    | 20      | 59         | 55    | 20 | 11    | 18      | 55 | 9  | 60 |
| 21         | 9     | 19 | 46    | 48      |            | 21    | 10 | 20    | 20      | 7          |       | 21 | 11    | 19      | 54 | 17 |    |
| 22         | 9     | 20 | 45    | 57      |            | 22    | 10 | 21    | 19      | 15         |       | 22 | 11    | 20      | 53 | 25 |    |
| 23         | 9     | 21 | 45    | 5       |            | 23    | 10 | 22    | 18      | 23         |       | 23 | 11    | 21      | 52 | 33 |    |
| 24         | 9     | 22 | 44    | 13      |            | 24    | 10 | 23    | 17      | 32         |       | 24 | 11    | 22      | 51 | 42 |    |
| 25         | 9     | 23 | 43    | 21      | 51         | 25    | 10 | 24    | 16      | 40         | 56    | 25 | 11    | 23      | 50 | 50 | 61 |
| 26         | 9     | 24 | 42    | 30      |            | 26    | 10 | 25    | 15      | 48         |       | 26 | 11    | 24      | 49 | 58 |    |
| 27         | 9     | 25 | 41    | 38      |            | 27    | 10 | 26    | 14      | 57         |       | 27 | 11    | 25      | 49 | 7  |    |
| 28         | 9     | 26 | 40    | 46      |            | 28    | 10 | 27    | 14      | 5          |       | 28 | 11    | 26      | 48 | 15 |    |
| 29         | 9     | 27 | 39    | 55      |            | 29    | 10 | 28    | 13      | 13         |       | 29 | 11    | 27      | 47 | 24 |    |
| 30         | 9     | 28 | 39    | 3       |            | 30    | 10 | 29    | 12      | 22         |       | 30 | 11    | 28      | 46 | 33 |    |
| 31         | 9     | 29 | 38    | 12      |            |       |    |       |         |            |       | 31 | 11    | 29      | 45 | 41 | 62 |



TABLE VI.  
DES MOYENS MOUVEM.<sup>TS</sup>  
DU SOLEIL

Pour les Heures, Minutes & Secondes.

| Heur. | Longi-<br>tude. |    | Longi-<br>tude. |      |        | Longi-<br>tude. |      |        |
|-------|-----------------|----|-----------------|------|--------|-----------------|------|--------|
|       | M.              | S. | Min.            | M.   | S.     | Min.            | M.   | S.     |
|       |                 |    | Sec.            | Sec. | Tiers. | Sec.            | Sec. | Tiers. |
| 1     | 2               | 28 | 1               | 0    | 2      | 31              | 1    | 16     |
| 2     | 4               | 56 | 2               | 0    | 5      | 32              | 1    | 19     |
| 3     | 7               | 24 | 3               | 0    | 7      | 33              | 1    | 21     |
| 4     | 9               | 51 | 4               | 0    | 10     | 34              | 1    | 24     |
| 5     | 12              | 19 | 5               | 0    | 12     | 35              | 1    | 26     |
| 6     | 14              | 47 | 6               | 0    | 15     | 36              | 1    | 29     |
| 7     | 17              | 15 | 7               | 0    | 17     | 37              | 1    | 31     |
| 8     | 19              | 43 | 8               | 0    | 20     | 38              | 1    | 34     |
| 9     | 22              | 11 | 9               | 0    | 22     | 39              | 1    | 36     |
| 10    | 24              | 38 | 10              | 0    | 25     | 40              | 1    | 39     |
| 11    | 27              | 6  | 11              | 0    | 27     | 41              | 1    | 41     |
| 12    | 29              | 34 | 12              | 0    | 30     | 42              | 1    | 43     |
| 13    | 32              | 2  | 13              | 0    | 32     | 43              | 1    | 46     |
| 14    | 34              | 30 | 14              | 0    | 34     | 44              | 1    | 48     |
| 15    | 36              | 58 | 15              | 0    | 37     | 45              | 1    | 51     |
| 16    | 39              | 25 | 16              | 0    | 39     | 46              | 1    | 53     |
| 17    | 41              | 53 | 17              | 0    | 42     | 47              | 1    | 56     |
| 18    | 44              | 21 | 18              | 0    | 44     | 48              | 1    | 58     |
| 19    | 46              | 49 | 19              | 0    | 47     | 49              | 2    | 1      |
| 20    | 49              | 17 | 20              | 0    | 49     | 50              | 2    | 3      |
| 21    | 51              | 45 | 21              | 0    | 52     | 51              | 2    | 6      |
| 22    | 54              | 13 | 22              | 0    | 54     | 52              | 2    | 8      |
| 23    | 56              | 40 | 23              | 0    | 57     | 53              | 2    | 11     |
| 24    | 59              | 8  | 24              | 0    | 59     | 54              | 2    | 13     |
|       |                 |    | 25              | 1    | 2      | 55              | 2    | 16     |
|       |                 |    | 26              | 1    | 4      | 56              | 2    | 18     |
|       |                 |    | 27              | 1    | 7      | 57              | 2    | 20     |
|       |                 |    | 28              | 1    | 9      | 58              | 2    | 23     |
|       |                 |    | 29              | 1    | 11     | 59              | 2    | 25     |
|       |                 |    | 30              | 1    | 14     | 60              | 2    | 28     |

TABLE VII.  
DU DEMI-DIAMETRE  
DU MOUVEMENT HORAIRE,  
ET DE LA PARALLAXE  
du Soleil.

ANOMALIE MOYENNE DU SOLEIL.

| Sign. | D. | Demi-<br>diametre. |      | Mouv. | Pa-<br>rall. |    |       |    |
|-------|----|--------------------|------|-------|--------------|----|-------|----|
|       |    | Min.               | Sec. | M.    | S.           |    |       |    |
| O.    | 0  | 15                 | 48   | 2     | 23           | 10 | XII.  | 0  |
|       | 6  | 15                 | 48   | 2     | 23           |    |       | 24 |
|       | 12 | 15                 | 48   | 2     | 23           |    |       | 18 |
|       | 18 | 15                 | 49   | 2     | 23           |    |       | 12 |
|       | 24 | 15                 | 49   | 2     | 23           |    |       | 6  |
| I.    | 0  | 15                 | 50   | 2     | 24           |    | XI.   | 0  |
|       | 6  | 15                 | 51   | 2     | 24           |    |       | 24 |
|       | 12 | 15                 | 52   | 2     | 24           |    |       | 18 |
|       | 18 | 15                 | 53   | 2     | 24           |    |       | 12 |
|       | 24 | 15                 | 54   | 2     | 25           |    |       | 6  |
| II.   | 0  | 15                 | 56   | 2     | 25           |    | X.    | 0  |
|       | 6  | 15                 | 57   | 2     | 25           |    |       | 24 |
|       | 12 | 15                 | 59   | 2     | 26           |    |       | 18 |
|       | 18 | 16                 | 0    | 2     | 27           |    |       | 12 |
|       | 24 | 16                 | 2    | 2     | 27           |    |       | 6  |
| III.  | 0  | 16                 | 3    | 2     | 28           | 10 | IX.   | 0  |
|       | 6  | 16                 | 5    | 2     | 28           |    |       | 24 |
|       | 12 | 16                 | 7    | 2     | 29           |    |       | 18 |
|       | 18 | 16                 | 9    | 2     | 29           |    |       | 12 |
|       | 24 | 16                 | 10   | 2     | 30           |    |       | 6  |
| IV.   | 0  | 16                 | 12   | 2     | 30           |    | VIII. | 0  |
|       | 6  | 16                 | 13   | 2     | 30           |    |       | 24 |
|       | 12 | 16                 | 15   | 2     | 31           |    |       | 18 |
|       | 18 | 16                 | 16   | 2     | 31           |    |       | 12 |
|       | 24 | 16                 | 17   | 2     | 31           |    |       | 6  |
| V.    | 0  | 16                 | 18   | 2     | 32           |    | VII.  | 0  |
|       | 6  | 16                 | 19   | 2     | 32           |    |       | 24 |
|       | 12 | 16                 | 19   | 2     | 32           |    |       | 18 |
|       | 18 | 16                 | 20   | 2     | 33           |    |       | 12 |
|       | 24 | 16                 | 20   | 2     | 33           |    |       | 6  |
| VI.   | 0  | 16                 | 20   | 2     | 33           | 10 | VI.   | 0  |

ANOMALIE MOYENNE DU SOLEIL.

TABLE VIII.  
DE LA DISTANCE DU SOLEIL A LA TERRE EN PARTIES  
dont la moyenne est 10000.

ANOMALIE MOYENNE DU SOLEIL.

|      | O. Signe.                      | I. Signe.  | II. Signes. | III. Signes.  | IV. Signes. | V. Signes.  |      |
|------|--------------------------------|------------|-------------|---------------|-------------|-------------|------|
| Deg. | DISTANCE DU SOLEIL A LA TERRE. |            |             |               |             |             |      |
| 0    | 10169                          | 10147      | 10086       | 10003         | 9918        | 9855        | 30   |
| 1    | 10169                          | 10145      | 10084       | 10000         | 9915        | 9853        | 29   |
| 2    | 10168                          | 10144      | 10081       | 9997          | 9913        | 9852        | 28   |
| 3    | 10168                          | 10142      | 10079       | 9994          | 9910        | 9850        | 27   |
| 4    | 10168                          | 10141      | 10076       | 9991          | 9908        | 9849        | 26   |
| 5    | 10168                          | 10139      | 10074       | 9988          | 9905        | 9848        | 25   |
| 6    | 10168                          | 10137      | 10071       | 9985          | 9903        | 9847        | 24   |
| 7    | 10167                          | 10136      | 10068       | 9982          | 9900        | 9845        | 23   |
| 8    | 10167                          | 10134      | 10066       | 9979          | 9898        | 9844        | 22   |
| 9    | 10166                          | 10132      | 10063       | 9976          | 9896        | 9843        | 21   |
| 10   | 10166                          | 10130      | 10060       | 9974          | 9893        | 9842        | 20   |
| 11   | 10166                          | 10128      | 10057       | 9971          | 9891        | 9841        | 19   |
| 12   | 10165                          | 10126      | 10055       | 9968          | 9889        | 9840        | 18   |
| 13   | 10165                          | 10125      | 10052       | 9965          | 9887        | 9839        | 17   |
| 14   | 10164                          | 10123      | 10049       | 9962          | 9884        | 9838        | 16   |
| 15   | 10163                          | 10121      | 10046       | 9959          | 9882        | 9837        | 15   |
| 16   | 10162                          | 10118      | 10043       | 9956          | 9880        | 9837        | 14   |
| 17   | 10161                          | 10116      | 10041       | 9953          | 9878        | 9836        | 13   |
| 18   | 10161                          | 10114      | 10038       | 9951          | 9876        | 9835        | 12   |
| 19   | 10160                          | 10112      | 10035       | 9948          | 9874        | 9835        | 11   |
| 20   | 10159                          | 10110      | 10032       | 9945          | 9872        | 9834        | 10   |
| 21   | 10158                          | 10108      | 10029       | 9942          | 9870        | 9834        | 9    |
| 22   | 10157                          | 10105      | 10026       | 9939          | 9868        | 9833        | 8    |
| 23   | 10156                          | 10103      | 10023       | 9937          | 9866        | 9833        | 7    |
| 24   | 10154                          | 10101      | 10020       | 9934          | 9865        | 9832        | 6    |
| 25   | 10153                          | 10099      | 10017       | 9931          | 9863        | 9832        | 5    |
| 26   | 10152                          | 10096      | 10015       | 9928          | 9861        | 9832        | 4    |
| 27   | 10151                          | 10094      | 10012       | 9926          | 9860        | 9832        | 3    |
| 28   | 10149                          | 10091      | 10008       | 9923          | 9859        | 9832        | 2    |
| 29   | 10148                          | 10089      | 10006       | 9921          | 9856        | 9831        | 1    |
| 30   | 10147                          | 10086      | 10003       | 9918          | 9855        | 9831        | 0    |
|      | DISTANCE DU SOLEIL A LA TERRE. |            |             |               |             |             | Deg. |
|      | XI. Signes.                    | X. Signes. | IX. Signes. | VIII. Signes. | VII. Sign.  | VI. Signes. |      |

ANOMALIE MOYENNE DU SOLEIL.

TABLE IX.  
DE L'EQUATION DU CENTRE DU SOLEIL.

ANOMALIE MOYENNE DU SOLEIL.

|                                                |      | O. <i>Signe.</i> |      |                   | I. <i>Signe.</i> |      |      | II. <i>Signes.</i> |      |      |      |              |    |
|------------------------------------------------|------|------------------|------|-------------------|------------------|------|------|--------------------|------|------|------|--------------|----|
| Equation à soustraire de la Longitude moyenne. |      |                  |      |                   |                  |      |      |                    |      |      |      |              |    |
| Deg.                                           | Deg. | Min.             | Sec. | Diff.             | Deg.             | Min. | Sec. | Diff.              | Deg. | Min. | Sec. | Diff.        |    |
| 0                                              | 0    | 0                | 0    | <i>M. S.</i>      | 0                | 56   | 55   | <i>M. S.</i>       | 1    | 39   | 16   | <i>M. S.</i> | 30 |
| 1                                              | 0    | 1                | 59   | 1 59              | 0                | 58   | 38   | 1 43               | 1    | 40   | 17   | 1 1          | 29 |
| 2                                              | 0    | 3                | 58   | 1 59              | 1                | 0    | 20   | 1 42               | 1    | 41   | 16   | 0 59         | 28 |
| 3                                              | 0    | 5                | 57   | 1 59              | 1                | 2    | 1    | 1 41               | 1    | 42   | 13   | 0 57         | 27 |
| 4                                              | 0    | 7                | 55   | 1 58              | 1                | 3    | 41   | 1 40               | 1    | 43   | 9    | 0 56         | 26 |
| 5                                              | 0    | 9                | 54   | 1 59              | 1                | 5    | 19   | 1 38               | 1    | 44   | 3    | 0 54         | 25 |
| 6                                              | 0    | 11               | 52   | 1 58              | 1                | 6    | 56   | 1 37               | 1    | 44   | 55   | 0 52         | 24 |
| 7                                              | 0    | 13               | 50   | 1 58              | 1                | 8    | 33   | 1 37               | 1    | 45   | 46   | 0 51         | 23 |
| 8                                              | 0    | 15               | 48   | 1 58              | 1                | 10   | 9    | 1 36               | 1    | 46   | 34   | 0 48         | 22 |
| 9                                              | 0    | 17               | 46   | 1 58              | 1                | 11   | 43   | 1 34               | 1    | 47   | 20   | 0 46         | 21 |
| 10                                             | 0    | 19               | 43   | 1 57              | 1                | 13   | 16   | 1 33               | 1    | 48   | 4    | 0 44         | 20 |
| 11                                             | 0    | 21               | 40   | 1 57              | 1                | 14   | 48   | 1 32               | 1    | 48   | 46   | 0 42         | 19 |
| 12                                             | 0    | 23               | 37   | 1 57              | 1                | 16   | 19   | 1 31               | 1    | 49   | 27   | 0 41         | 18 |
| 13                                             | 0    | 25               | 33   | 1 56              | 1                | 17   | 48   | 1 29               | 1    | 50   | 6    | 0 39         | 17 |
| 14                                             | 0    | 27               | 29   | 1 56              | 1                | 19   | 15   | 1 27               | 1    | 50   | 43   | 0 37         | 16 |
| 15                                             | 0    | 29               | 24   | 1 55              | 1                | 20   | 42   | 1 27               | 1    | 51   | 17   | 0 34         | 15 |
| 16                                             | 0    | 31               | 18   | 1 54              | 1                | 22   | 7    | 1 25               | 1    | 51   | 49   | 0 32         | 14 |
| 17                                             | 0    | 33               | 12   | 1 54              | 1                | 23   | 31   | 1 24               | 1    | 52   | 20   | 0 31         | 13 |
| 18                                             | 0    | 35               | 5    | 1 53              | 1                | 24   | 54   | 1 23               | 1    | 52   | 49   | 0 29         | 12 |
| 19                                             | 0    | 36               | 58   | 1 53              | 1                | 26   | 15   | 1 21               | 1    | 53   | 15   | 0 26         | 11 |
| 20                                             | 0    | 38               | 51   | 1 53              | 1                | 27   | 34   | 1 19               | 1    | 53   | 39   | 0 24         | 10 |
| 21                                             | 0    | 40               | 43   | 1 52              | 1                | 28   | 51   | 1 17               | 1    | 54   | 1    | 0 22         | 9  |
| 22                                             | 0    | 42               | 34   | 1 51              | 1                | 30   | 7    | 1 16               | 1    | 54   | 21   | 0 20         | 8  |
| 23                                             | 0    | 44               | 24   | 1 50              | 1                | 31   | 21   | 1 14               | 1    | 54   | 39   | 0 18         | 7  |
| 24                                             | 0    | 46               | 13   | 1 49              | 1                | 32   | 34   | 1 13               | 1    | 54   | 56   | 0 17         | 6  |
| 25                                             | 0    | 48               | 2    | 1 49              | 1                | 33   | 45   | 1 11               | 1    | 55   | 11   | 0 15         | 5  |
| 26                                             | 0    | 49               | 50   | 1 48              | 1                | 34   | 55   | 1 10               | 1    | 55   | 23   | 0 12         | 4  |
| 27                                             | 0    | 51               | 38   | 1 48              | 1                | 36   | 3    | 1 8                | 1    | 55   | 33   | 0 10         | 3  |
| 28                                             | 0    | 53               | 25   | 1 47              | 1                | 37   | 9    | 1 6                | 1    | 55   | 41   | 0 8          | 2  |
| 29                                             | 0    | 55               | 11   | 1 46              | 1                | 38   | 13   | 1 4                | 1    | 55   | 47   | 0 6          | 1  |
| 30                                             | 0    | 56               | 55   | 1 44              | 1                | 39   | 16   | 1 3                | 1    | 55   | 50   | 0 3          | 0  |
| Equation à ajouter à la Longitude moyenne.     |      |                  |      |                   |                  |      |      |                    |      |      |      | Deg.         |    |
| XI. <i>Signes.</i>                             |      |                  |      | X. <i>Signes.</i> |                  |      |      | IX. <i>Signes.</i> |      |      |      |              |    |
| ANOMALIE MOYENNE DU SOLEIL.                    |      |                  |      |                   |                  |      |      |                    |      |      |      |              |    |

TABLE IX.  
DE L'EQUATION DU CENTRE DU SOLEIL.

ANOMALIE MOYENNE DU SOLEIL.

| Equation à soustraire de la Longitude moyenne. |      |      |      |              |      |      |      |             |      |      |      |       |      |
|------------------------------------------------|------|------|------|--------------|------|------|------|-------------|------|------|------|-------|------|
| III. Signes.                                   |      |      |      | IV. Signes.  |      |      |      | V. Signes.  |      |      |      |       |      |
| Deg.                                           | Deg. | Min. | Sec. | Diff.        | Deg. | Min. | Sec. | Diff.       | Deg. | Min. | Sec. | Diff. |      |
| 0                                              | 1    | 55   | 50   | M. S.        | 1    | 41   | 23   | M. S.       | 0    | 59   | 0    | M. S. | 30   |
| 1                                              | 1    | 55   | 51   | 0 1          | 1    | 40   | 22   | 1 1         | 0    | 57   | 13   | 1 47  | 29   |
| 2                                              | 1    | 55   | 51   | 0 0          | 1    | 39   | 20   | 1 2         | 0    | 55   | 25   | 1 48  | 28   |
| 3                                              | 1    | 55   | 49   | 0 2          | 1    | 38   | 16   | 1 4         | 0    | 53   | 36   | 1 49  | 27   |
| 4                                              | 1    | 55   | 45   | 0 4          | 1    | 37   | 10   | 1 6         | 0    | 51   | 46   | 1 50  | 26   |
| 5                                              | 1    | 55   | 39   | 0 6          | 1    | 36   | 2    | 1 8         | 0    | 49   | 55   | 1 51  | 25   |
| 6                                              | 1    | 55   | 31   | 0 8          | 1    | 34   | 52   | 1 10        | 0    | 48   | 3    | 1 52  | 24   |
| 7                                              | 1    | 55   | 20   | 0 11         | 1    | 33   | 41   | 1 11        | 0    | 46   | 10   | 1 53  | 23   |
| 8                                              | 1    | 55   | 6    | 0 14         | 1    | 32   | 28   | 1 13        | 0    | 44   | 16   | 1 54  | 22   |
| 9                                              | 1    | 54   | 49   | 0 17         | 1    | 31   | 13   | 1 15        | 0    | 42   | 21   | 1 55  | 21   |
| 10                                             | 1    | 54   | 30   | 0 19         | 1    | 29   | 56   | 1 17        | 0    | 40   | 25   | 1 56  | 20   |
| 11                                             | 1    | 54   | 10   | 0 20         | 1    | 28   | 38   | 1 18        | 0    | 38   | 29   | 1 56  | 19   |
| 12                                             | 1    | 53   | 48   | 0 22         | 1    | 27   | 18   | 1 20        | 0    | 36   | 32   | 1 57  | 18   |
| 13                                             | 1    | 53   | 24   | 0 24         | 1    | 25   | 56   | 1 22        | 0    | 34   | 34   | 1 58  | 17   |
| 14                                             | 1    | 52   | 58   | 0 26         | 1    | 24   | 33   | 1 23        | 0    | 32   | 35   | 1 59  | 16   |
| 15                                             | 1    | 52   | 30   | 0 28         | 1    | 23   | 8    | 1 25        | 0    | 30   | 36   | 1 59  | 15   |
| 16                                             | 1    | 52   | 0    | 0 30         | 1    | 21   | 42   | 1 26        | 0    | 28   | 36   | 2 0   | 14   |
| 17                                             | 1    | 51   | 27   | 0 33         | 1    | 20   | 14   | 1 28        | 0    | 26   | 36   | 2 0   | 13   |
| 18                                             | 1    | 50   | 52   | 0 35         | 1    | 18   | 44   | 1 30        | 0    | 24   | 35   | 2 1   | 12   |
| 19                                             | 1    | 50   | 16   | 0 36         | 1    | 17   | 13   | 1 31        | 0    | 22   | 34   | 2 1   | 11   |
| 20                                             | 1    | 49   | 38   | 0 38         | 1    | 15   | 40   | 1 33        | 0    | 20   | 32   | 2 2   | 10   |
| 21                                             | 1    | 48   | 58   | 0 40         | 1    | 14   | 6    | 1 34        | 0    | 18   | 30   | 2 2   | 9    |
| 22                                             | 1    | 48   | 16   | 0 42         | 1    | 12   | 31   | 1 35        | 0    | 16   | 28   | 2 2   | 8    |
| 23                                             | 1    | 47   | 32   | 0 44         | 1    | 10   | 54   | 1 37        | 0    | 14   | 25   | 2 2   | 7    |
| 24                                             | 1    | 46   | 45   | 0 47         | 1    | 9    | 16   | 1 42        | 0    | 12   | 22   | 2 2   | 6    |
| 25                                             | 1    | 45   | 56   | 0 49         | 1    | 7    | 36   | 1 40        | 0    | 10   | 19   | 2 2   | 5    |
| 26                                             | 1    | 45   | 5    | 0 51         | 1    | 5    | 55   | 1 41        | 0    | 8    | 16   | 2 2   | 4    |
| 27                                             | 1    | 44   | 12   | 0 53         | 1    | 4    | 13   | 1 42        | 0    | 6    | 12   | 2 2   | 3    |
| 28                                             | 1    | 43   | 18   | 0 54         | 1    | 2    | 30   | 1 43        | 0    | 4    | 8    | 2 2   | 2    |
| 29                                             | 1    | 42   | 21   | 0 57         | 1    | 0    | 46   | 1 44        | 0    | 2    | 4    | 2 2   | 1    |
| 30                                             | 1    | 41   | 23   | 0 58         | 0    | 59   | 0    | 1 46        | 0    | 0    | 0    | 2 2   | 0    |
| Equation à ajouter à la Longitude moyenne.     |      |      |      |              |      |      |      |             |      |      |      |       | Deg. |
| VIII. Signes.                                  |      |      |      | VII. Signes. |      |      |      | VI. Signes. |      |      |      |       |      |
| ANOMALIE MOYENNE DU SOLEIL.                    |      |      |      |              |      |      |      |             |      |      |      |       |      |

TABLE X.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE LA LUNE.

ANNÉES JULIENNES AVANT JESUS-CHRIST.

| Années.   | Longitude moyenne. |    |    |    | Lieu de l'Apogée. |    |    |    | Lieu du Nœud ascendant. |    |    |    |
|-----------|--------------------|----|----|----|-------------------|----|----|----|-------------------------|----|----|----|
|           | Sign.              | D. | M. | S. | Sign.             | D. | M. | S. | Sign.                   | D. | M. | S. |
| Biff. 800 | 1                  | 20 | 4  | 56 | 2                 | 26 | 44 | 27 | 9                       | 11 | 24 | 14 |
| B. 700    | 11                 | 27 | 54 | 48 | 6                 | 15 | 58 | 43 | 4                       | 27 | 13 | 9  |
| B. 600    | 10                 | 5  | 44 | 40 | 10                | 5  | 12 | 59 | 0                       | 13 | 2  | 4  |
| B. 500    | 8                  | 13 | 34 | 32 | 1                 | 24 | 27 | 15 | 7                       | 28 | 50 | 59 |
| B. 400    | 6                  | 21 | 24 | 25 | 5                 | 13 | 41 | 31 | 3                       | 14 | 39 | 54 |
| B. 300    | 4                  | 29 | 14 | 17 | 9                 | 2  | 55 | 47 | 11                      | 0  | 28 | 49 |
| B. 200    | 3                  | 7  | 4  | 9  | 0                 | 22 | 10 | 3  | 6                       | 16 | 17 | 44 |
| B. 100    | 1                  | 14 | 54 | 1  | 4                 | 11 | 24 | 19 | 2                       | 2  | 6  | 39 |
| B. 0      | 11                 | 22 | 43 | 53 | 8                 | 0  | 38 | 35 | 9                       | 17 | 55 | 34 |

ANNÉES JULIENNES APRES JESUS-CHRIST.

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| B. 100  | 10 | 0  | 33 | 46 | 11 | 19 | 52 | 51 | 5  | 3  | 44 | 29 |
| B. 200  | 8  | 8  | 23 | 38 | 3  | 9  | 7  | 7  | 0  | 19 | 33 | 24 |
| B. 300  | 6  | 16 | 13 | 30 | 6  | 28 | 21 | 23 | 8  | 5  | 22 | 19 |
| B. 400  | 4  | 24 | 3  | 22 | 10 | 17 | 35 | 39 | 3  | 21 | 11 | 14 |
| B. 500  | 3  | 1  | 53 | 15 | 2  | 6  | 49 | 55 | 11 | 7  | 0  | 9  |
| B. 600  | 1  | 9  | 43 | 7  | 5  | 26 | 4  | 11 | 6  | 22 | 49 | 4  |
| B. 700  | 11 | 17 | 32 | 59 | 9  | 15 | 18 | 27 | 2  | 8  | 37 | 59 |
| B. 800  | 9  | 25 | 22 | 51 | 1  | 4  | 32 | 43 | 9  | 24 | 26 | 54 |
| B. 900  | 8  | 3  | 12 | 43 | 4  | 23 | 46 | 59 | 5  | 10 | 15 | 49 |
| B. 1000 | 6  | 11 | 2  | 36 | 8  | 13 | 1  | 15 | 0  | 26 | 4  | 44 |
| B. 1100 | 4  | 18 | 52 | 28 | 0  | 2  | 15 | 31 | 8  | 11 | 53 | 39 |
| B. 1200 | 2  | 26 | 42 | 20 | 3  | 21 | 29 | 47 | 3  | 27 | 42 | 34 |
| B. 1300 | 1  | 4  | 32 | 12 | 7  | 10 | 44 | 3  | 11 | 13 | 31 | 29 |
| B. 1400 | 11 | 12 | 22 | 5  | 10 | 29 | 58 | 19 | 6  | 29 | 20 | 24 |
| B. 1500 | 9  | 20 | 11 | 57 | 2  | 19 | 12 | 35 | 2  | 15 | 9  | 19 |

ANNÉES GRÉGORIENNES APRES JESUS-CHRIST.

|         |   |    |    |    |    |    |    |    |    |    |    |    |
|---------|---|----|----|----|----|----|----|----|----|----|----|----|
| B. 1600 | 3 | 16 | 15 | 59 | 6  | 7  | 20 | 0  | 10 | 1  | 30 | 0  |
| C. 1700 | 1 | 10 | 55 | 16 | 9  | 26 | 27 | 35 | 5  | 17 | 22 | 6  |
| C. 1701 | 5 | 20 | 18 | 19 | 11 | 7  | 7  | 27 | 4  | 28 | 2  | 23 |
| C. 1702 | 9 | 29 | 41 | 22 | 0  | 17 | 47 | 19 | 4  | 8  | 42 | 40 |
| C. 1703 | 2 | 9  | 4  | 25 | 1  | 28 | 27 | 11 | 3  | 19 | 22 | 57 |
| B. 1704 | 7 | 1  | 38 | 4  | 3  | 9  | 13 | 45 | 3  | 0  | 0  | 3  |

TABLE X.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE LA LUNE.

ANNÉES GRÉGORIENNES APRÈS JESUS-CHRIST.

| Années. | Longitude moyenne. |    |    |    | Lieu de l'Apogée. |    |    |    | Lieu du Nœud ascendant. |    |    |    |
|---------|--------------------|----|----|----|-------------------|----|----|----|-------------------------|----|----|----|
|         | Sign.              | D. | M. | S. | Sign.             | D. | M. | S. | Sign.                   | D. | M. | S. |
| 1705    | 11                 | 11 | 1  | 7  | 4                 | 19 | 53 | 37 | 2                       | 10 | 40 | 20 |
| 1706    | 3                  | 20 | 24 | 10 | 6                 | 0  | 33 | 29 | 1                       | 21 | 20 | 37 |
| 1707    | 7                  | 29 | 47 | 13 | 7                 | 11 | 13 | 21 | 1                       | 2  | 0  | 54 |
| B. 1708 | 0                  | 22 | 20 | 51 | 8                 | 21 | 59 | 55 | 0                       | 12 | 38 | 0  |
| 1709    | 5                  | 1  | 43 | 55 | 10                | 2  | 39 | 47 | 11                      | 23 | 18 | 18 |
| 1710    | 9                  | 11 | 6  | 58 | 11                | 13 | 19 | 39 | 11                      | 3  | 58 | 35 |
| 1711    | 1                  | 20 | 30 | 1  | 0                 | 23 | 59 | 31 | 10                      | 14 | 38 | 52 |
| B. 1712 | 6                  | 13 | 3  | 39 | 2                 | 4  | 46 | 6  | 9                       | 25 | 15 | 58 |
| 1713    | 10                 | 22 | 26 | 42 | 3                 | 15 | 25 | 58 | 9                       | 5  | 56 | 15 |
| 1714    | 3                  | 1  | 49 | 45 | 4                 | 26 | 5  | 50 | 8                       | 16 | 36 | 32 |
| 1715    | 7                  | 11 | 12 | 48 | 6                 | 6  | 45 | 42 | 7                       | 27 | 16 | 49 |
| B. 1716 | 0                  | 3  | 46 | 27 | 7                 | 17 | 32 | 16 | 7                       | 7  | 53 | 55 |
| 1717    | 4                  | 13 | 9  | 30 | 8                 | 28 | 12 | 8  | 6                       | 18 | 34 | 12 |
| 1718    | 8                  | 22 | 32 | 33 | 10                | 8  | 52 | 0  | 5                       | 29 | 14 | 29 |
| 1719    | 1                  | 1  | 55 | 36 | 11                | 19 | 31 | 52 | 5                       | 9  | 54 | 46 |
| B. 1720 | 5                  | 24 | 29 | 14 | 1                 | 0  | 18 | 26 | 4                       | 20 | 31 | 53 |
| 1721    | 10                 | 3  | 52 | 17 | 2                 | 10 | 58 | 18 | 4                       | 1  | 12 | 10 |
| 1722    | 2                  | 13 | 15 | 20 | 3                 | 21 | 38 | 10 | 3                       | 11 | 52 | 27 |
| 1723    | 6                  | 22 | 38 | 23 | 5                 | 2  | 18 | 2  | 2                       | 22 | 32 | 44 |
| B. 1724 | 11                 | 15 | 12 | 2  | 6                 | 13 | 4  | 36 | 2                       | 3  | 9  | 50 |
| 1725    | 3                  | 24 | 35 | 5  | 7                 | 23 | 44 | 29 | 1                       | 13 | 50 | 7  |
| 1726    | 8                  | 3  | 58 | 8  | 9                 | 4  | 24 | 21 | 0                       | 24 | 30 | 24 |
| 1727    | 0                  | 13 | 21 | 11 | 10                | 15 | 4  | 13 | 0                       | 5  | 10 | 41 |
| B. 1728 | 5                  | 5  | 54 | 50 | 11                | 25 | 50 | 47 | 11                      | 15 | 47 | 47 |
| 1729    | 9                  | 15 | 17 | 53 | 1                 | 6  | 30 | 39 | 10                      | 26 | 28 | 4  |
| 1730    | 1                  | 24 | 40 | 56 | 2                 | 17 | 10 | 31 | 10                      | 7  | 8  | 21 |
| 1731    | 6                  | 4  | 3  | 59 | 3                 | 27 | 50 | 23 | 9                       | 17 | 48 | 38 |
| B. 1732 | 10                 | 26 | 37 | 38 | 5                 | 8  | 36 | 57 | 8                       | 28 | 25 | 44 |
| 1733    | 3                  | 6  | 0  | 41 | 6                 | 19 | 16 | 49 | 8                       | 9  | 6  | 1  |
| 1734    | 7                  | 15 | 23 | 44 | 7                 | 29 | 56 | 41 | 7                       | 19 | 46 | 18 |
| 1735    | 11                 | 24 | 46 | 47 | 9                 | 10 | 36 | 33 | 7                       | 0  | 26 | 35 |
| B. 1736 | 4                  | 17 | 20 | 25 | 10                | 21 | 23 | 7  | 6                       | 11 | 3  | 42 |

TABLE X.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE LA LUNE.

ANNÉES GRÉGORIENNES APRÈS JESUS-CHRIST.

| Années. | Longitude moyenne. |    |    |    | Lieu de l'Apogée. |    |    |    | Lieu du Nœud ascendant. |    |    |    |
|---------|--------------------|----|----|----|-------------------|----|----|----|-------------------------|----|----|----|
|         | Sign.              | D. | M. | S. | Sign.             | D. | M. | S. | Sign.                   | D. | M. | S. |
| 1737    | 8                  | 26 | 43 | 28 | 0                 | 2  | 2  | 59 | 5                       | 21 | 43 | 59 |
| 1738    | 1                  | 6  | 6  | 32 | 1                 | 12 | 42 | 50 | 5                       | 2  | 24 | 16 |
| 1739    | 5                  | 15 | 29 | 36 | 2                 | 23 | 22 | 43 | 4                       | 13 | 4  | 33 |
| B. 1740 | 10                 | 8  | 3  | 13 | 4                 | 4  | 9  | 17 | 3                       | 23 | 41 | 39 |
| 1741    | 2                  | 17 | 26 | 16 | 5                 | 14 | 49 | 9  | 3                       | 4  | 21 | 56 |
| 1742    | 6                  | 26 | 49 | 20 | 6                 | 25 | 29 | 1  | 2                       | 15 | 2  | 13 |
| 1743    | 11                 | 6  | 12 | 23 | 8                 | 6  | 8  | 53 | 1                       | 25 | 42 | 30 |
| B. 1744 | 3                  | 28 | 46 | 1  | 9                 | 16 | 55 | 27 | 1                       | 6  | 19 | 36 |
| 1745    | 8                  | 8  | 9  | 4  | 10                | 27 | 35 | 19 | 0                       | 16 | 59 | 53 |
| 1746    | 0                  | 17 | 32 | 8  | 0                 | 8  | 15 | 11 | 11                      | 27 | 40 | 10 |
| 1747    | 4                  | 26 | 55 | 11 | 1                 | 18 | 55 | 3  | 11                      | 8  | 20 | 27 |
| B. 1748 | 9                  | 19 | 28 | 48 | 2                 | 29 | 41 | 37 | 10                      | 18 | 57 | 34 |
| 1749    | 1                  | 28 | 51 | 51 | 4                 | 10 | 21 | 29 | 9                       | 29 | 37 | 51 |
| 1750    | 6                  | 8  | 14 | 55 | 5                 | 21 | 1  | 21 | 9                       | 10 | 18 | 8  |
| 1751    | 10                 | 17 | 37 | 59 | 7                 | 1  | 41 | 13 | 8                       | 20 | 58 | 25 |
| B. 1752 | 3                  | 10 | 11 | 36 | 8                 | 12 | 27 | 48 | 8                       | 1  | 35 | 31 |
| 1753    | 7                  | 19 | 34 | 39 | 9                 | 23 | 7  | 40 | 7                       | 12 | 15 | 48 |
| 1754    | 11                 | 28 | 57 | 43 | 11                | 3  | 47 | 33 | 6                       | 22 | 56 | 5  |
| 1755    | 4                  | 8  | 20 | 46 | 0                 | 14 | 27 | 25 | 6                       | 3  | 36 | 22 |
| B. 1756 | 9                  | 0  | 54 | 24 | 1                 | 25 | 13 | 58 | 5                       | 14 | 13 | 28 |
| 1757    | 1                  | 10 | 17 | 27 | 3                 | 5  | 53 | 50 | 4                       | 24 | 53 | 45 |
| 1758    | 5                  | 19 | 40 | 30 | 4                 | 16 | 33 | 43 | 4                       | 5  | 34 | 2  |
| 1759    | 9                  | 29 | 3  | 33 | 5                 | 27 | 13 | 35 | 3                       | 16 | 14 | 19 |
| B. 1760 | 2                  | 21 | 37 | 12 | 7                 | 8  | 0  | 9  | 2                       | 26 | 51 | 25 |
| 1761    | 7                  | 1  | 0  | 15 | 8                 | 18 | 40 | 1  | 2                       | 7  | 31 | 42 |
| 1762    | 11                 | 10 | 23 | 19 | 9                 | 29 | 19 | 53 | 1                       | 18 | 11 | 59 |
| 1763    | 3                  | 19 | 46 | 22 | 11                | 9  | 59 | 45 | 0                       | 28 | 52 | 16 |
| B. 1764 | 8                  | 12 | 20 | 0  | 0                 | 20 | 46 | 19 | 0                       | 9  | 29 | 23 |
| 1765    | 0                  | 21 | 43 | 4  | 2                 | 1  | 26 | 11 | 11                      | 20 | 9  | 40 |
| 1766    | 5                  | 1  | 6  | 7  | 3                 | 12 | 6  | 3  | 11                      | 0  | 49 | 57 |
| 1767    | 9                  | 10 | 29 | 10 | 4                 | 22 | 45 | 55 | 10                      | 11 | 30 | 14 |
| B. 1768 | 2                  | 3  | 2  | 48 | 6                 | 3  | 32 | 29 | 9                       | 22 | 7  | 20 |



TABLE X.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE LA LUNE.

ANNÉES GRÉGORIENNES APRES JESUS-CHRIST.

| Années. | Longitude moyenne. |    |    |    | Lieu de l'Apogée. |    |    |    | Lieu du Nœud ascendant. |    |    |    |
|---------|--------------------|----|----|----|-------------------|----|----|----|-------------------------|----|----|----|
|         | Sign.              | D. | M. | S. | Sign.             | D. | M. | S. | Sign.                   | D. | M. | S. |
| 1769    | 6                  | 12 | 25 | 51 | 7                 | 14 | 12 | 21 | 9                       | 2  | 47 | 37 |
| 1770    | 10                 | 21 | 48 | 55 | 8                 | 24 | 52 | 13 | 8                       | 13 | 27 | 54 |
| 1771    | 3                  | 1  | 11 | 58 | 10                | 5  | 32 | 6  | 7                       | 24 | 8  | 11 |
| B. 1772 | 7                  | 23 | 45 | 36 | 11                | 16 | 18 | 38 | 7                       | 4  | 45 | 18 |
| 1773    | 0                  | 3  | 8  | 40 | 0                 | 26 | 58 | 30 | 6                       | 15 | 25 | 35 |
| 1774    | 4                  | 12 | 31 | 43 | 2                 | 7  | 38 | 23 | 5                       | 26 | 5  | 52 |
| 1775    | 8                  | 21 | 54 | 46 | 3                 | 18 | 18 | 15 | 5                       | 6  | 46 | 9  |
| B. 1776 | 1                  | 14 | 28 | 24 | 4                 | 29 | 4  | 48 | 4                       | 17 | 23 | 15 |
| 1777    | 5                  | 23 | 51 | 27 | 6                 | 9  | 44 | 41 | 3                       | 28 | 3  | 32 |
| 1778    | 10                 | 3  | 14 | 30 | 7                 | 20 | 24 | 34 | 3                       | 8  | 43 | 49 |
| 1779    | 2                  | 12 | 37 | 33 | 9                 | 1  | 4  | 27 | 2                       | 19 | 24 | 6  |
| B. 1780 | 7                  | 5  | 11 | 11 | 10                | 11 | 51 | 0  | 2                       | 0  | 1  | 12 |
| 1781    | 11                 | 14 | 34 | 14 | 11                | 22 | 30 | 52 | 1                       | 10 | 41 | 29 |
| 1782    | 3                  | 23 | 57 | 17 | 1                 | 3  | 10 | 45 | 0                       | 21 | 21 | 46 |
| 1783    | 8                  | 3  | 20 | 20 | 2                 | 13 | 50 | 37 | 0                       | 2  | 2  | 3  |
| B. 1784 | 0                  | 25 | 53 | 58 | 3                 | 24 | 37 | 10 | 11                      | 12 | 39 | 9  |
| 1785    | 5                  | 5  | 17 | 1  | 5                 | 5  | 17 | 2  | 10                      | 23 | 19 | 26 |
| 1786    | 9                  | 14 | 40 | 5  | 6                 | 15 | 56 | 55 | 10                      | 3  | 59 | 43 |
| 1787    | 1                  | 24 | 3  | 8  | 7                 | 26 | 36 | 47 | 9                       | 14 | 40 | 0  |
| B. 1788 | 6                  | 16 | 36 | 46 | 9                 | 7  | 23 | 20 | 8                       | 25 | 17 | 7  |
| 1789    | 10                 | 25 | 59 | 49 | 10                | 18 | 3  | 12 | 8                       | 5  | 57 | 25 |
| 1790    | 3                  | 5  | 22 | 53 | 11                | 28 | 43 | 5  | 7                       | 16 | 37 | 42 |
| 1791    | 7                  | 14 | 45 | 56 | 1                 | 9  | 22 | 57 | 6                       | 27 | 17 | 59 |
| B. 1792 | 0                  | 7  | 19 | 34 | 2                 | 20 | 9  | 30 | 6                       | 7  | 55 | 5  |
| 1793    | 4                  | 16 | 42 | 37 | 4                 | 0  | 49 | 22 | 5                       | 18 | 35 | 22 |
| 1794    | 8                  | 26 | 5  | 40 | 5                 | 11 | 29 | 15 | 4                       | 29 | 15 | 39 |
| 1795    | 1                  | 5  | 28 | 43 | 6                 | 22 | 9  | 7  | 4                       | 9  | 55 | 56 |
| B. 1796 | 5                  | 28 | 2  | 21 | 8                 | 2  | 55 | 41 | 4                       | 20 | 33 | 2  |
| 1797    | 10                 | 7  | 25 | 24 | 9                 | 13 | 35 | 33 | 3                       | 1  | 13 | 19 |
| 1798    | 2                  | 16 | 48 | 28 | 10                | 24 | 15 | 26 | 2                       | 11 | 53 | 36 |
| 1799    | 6                  | 26 | 11 | 31 | 0                 | 4  | 55 | 18 | 1                       | 22 | 33 | 54 |
| C. 1800 | 11                 | 5  | 34 | 35 | 1                 | 15 | 35 | 10 | 1                       | 3  | 14 | 11 |

TABLE XI.  
DES MOYENS MOUVEMENTS DE LA LUNE  
pour les Années.

|       | LONGITUDE.     |              |           |           | A P O G E E. |              |           |           | N Œ U D.  |              |           |           |           |
|-------|----------------|--------------|-----------|-----------|--------------|--------------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|
|       | <i>Années.</i> | <i>Sign.</i> | <i>D.</i> | <i>M.</i> | <i>S.</i>    | <i>Sign.</i> | <i>D.</i> | <i>M.</i> | <i>S.</i> | <i>Sign.</i> | <i>D.</i> | <i>M.</i> | <i>S.</i> |
|       | 1              | 4            | 9         | 23        | 3            | 1            | 10        | 39        | 52        | 0            | 19        | 19        | 43        |
|       | 2              | 8            | 18        | 46        | 6            | 2            | 21        | 19        | 45        | 1            | 8         | 39        | 26        |
|       | 3              | 0            | 28        | 9         | 9            | 4            | 1         | 59        | 37        | 1            | 27        | 59        | 9         |
| Biff. | 4              | 5            | 20        | 42        | 48           | 5            | 12        | 46        | 10        | 2            | 17        | 22        | 3         |
|       | 5              | 10           | 0         | 5         | 51           | 6            | 23        | 26        | 2         | 3            | 6         | 41        | 46        |
|       | 6              | 2            | 9         | 28        | 54           | 8            | 4         | 5         | 54        | 3            | 26        | 1         | 29        |
|       | 7              | 6            | 18        | 51        | 57           | 9            | 14        | 45        | 46        | 4            | 15        | 21        | 12        |
| Biff. | 8              | 11           | 11        | 25        | 35           | 10           | 25        | 32        | 20        | 5            | 4         | 44        | 5         |
|       | 9              | 3            | 20        | 48        | 39           | 0            | 6         | 12        | 12        | 5            | 24        | 3         | 48        |
|       | 10             | 8            | 0         | 11        | 42           | 1            | 16        | 52        | 4         | 6            | 13        | 23        | 31        |
|       | 11             | 0            | 9         | 34        | 45           | 2            | 27        | 31        | 56        | 7            | 2         | 43        | 14        |
| Biff. | 12             | 5            | 2         | 8         | 23           | 4            | 8         | 18        | 31        | 7            | 22        | 6         | 8         |
|       | 13             | 9            | 11        | 31        | 26           | 5            | 18        | 58        | 23        | 8            | 11        | 25        | 51        |
|       | 14             | 1            | 20        | 54        | 29           | 6            | 29        | 38        | 15        | 9            | 0         | 45        | 34        |
|       | 15             | 6            | 0         | 17        | 33           | 8            | 10        | 18        | 8         | 9            | 20        | 5         | 18        |
| Biff. | 16             | 10           | 22        | 51        | 11           | 9            | 21        | 4         | 41        | 10           | 9         | 28        | 11        |
|       | 17             | 3            | 2         | 14        | 14           | 11           | 1         | 44        | 33        | 10           | 28        | 47        | 54        |
|       | 18             | 7            | 11        | 37        | 17           | 0            | 12        | 24        | 25        | 11           | 18        | 7         | 37        |
|       | 19             | 11           | 21        | 0         | 20           | 1            | 23        | 4         | 18        | 0            | 7         | 27        | 20        |
| Biff. | 20             | 4            | 13        | 33        | 58           | 3            | 3         | 50        | 51        | 0            | 26        | 50        | 13        |
|       | 21             | 8            | 22        | 57        | 2            | 4            | 14        | 30        | 43        | 1            | 16        | 9         | 56        |
|       | 22             | 1            | 2         | 20        | 5            | 5            | 25        | 10        | 35        | 2            | 5         | 29        | 39        |
|       | 23             | 5            | 11        | 43        | 8            | 7            | 5         | 50        | 28        | 2            | 24        | 49        | 22        |
| Biff. | 24             | 10           | 4         | 16        | 46           | 8            | 16        | 37        | 1         | 3            | 14        | 12        | 16        |
|       | 25             | 2            | 13        | 39        | 49           | 9            | 27        | 16        | 53        | 4            | 3         | 31        | 59        |
|       | 26             | 6            | 23        | 2         | 52           | 11           | 7         | 56        | 46        | 4            | 22        | 51        | 42        |
|       | 27             | 11           | 2         | 25        | 56           | 0            | 18        | 36        | 39        | 5            | 12        | 11        | 25        |
| Biff. | 28             | 3            | 24        | 59        | 34           | 1            | 29        | 23        | 12        | 6            | 1         | 34        | 19        |
|       | 29             | 8            | 4         | 22        | 37           | 3            | 10        | 3         | 4         | 6            | 20        | 54        | 2         |
|       | 30             | 0            | 13        | 45        | 40           | 4            | 20        | 42        | 57        | 7            | 10        | 13        | 45        |

TABLE XI.  
DES MOYENS MOUVEMENTS DE LA LUNE  
pour les Années.

| Années.  | LONGITUDE. |    |    |    | A P O G E E. |    |    |    | N Œ U D. |    |    |    |
|----------|------------|----|----|----|--------------|----|----|----|----------|----|----|----|
|          | Sign.      | D. | M. | S. | Sign.        | D. | M. | S. | Sign.    | D. | M. | S. |
| Biff. 31 | 4          | 23 | 8  | 43 | 6            | 1  | 22 | 49 | 7        | 29 | 33 | 28 |
| 32       | 9          | 15 | 42 | 22 | 7            | 12 | 9  | 22 | 8        | 18 | 56 | 21 |
| 33       | 1          | 25 | 5  | 25 | 8            | 22 | 49 | 14 | 9        | 8  | 16 | 4  |
| 34       | 6          | 4  | 28 | 28 | 10           | 3  | 29 | 7  | 9        | 27 | 35 | 47 |
| 35       | 10         | 13 | 51 | 31 | 11           | 14 | 8  | 59 | 10       | 16 | 55 | 30 |
| Biff. 36 | 3          | 6  | 25 | 9  | 0            | 24 | 55 | 32 | 11       | 6  | 18 | 24 |
| 37       | 7          | 15 | 48 | 12 | 2            | 5  | 35 | 25 | 11       | 25 | 38 | 7  |
| 38       | 11         | 25 | 11 | 16 | 3            | 16 | 15 | 17 | 0        | 14 | 57 | 50 |
| Biff. 39 | 4          | 4  | 34 | 19 | 4            | 26 | 55 | 9  | 1        | 4  | 17 | 33 |
| 40       | 8          | 27 | 7  | 57 | 6            | 7  | 41 | 42 | 1        | 23 | 40 | 27 |
| 41       | 1          | 6  | 31 | 0  | 7            | 18 | 21 | 35 | 2        | 13 | 0  | 10 |
| 42       | 5          | 15 | 54 | 3  | 8            | 29 | 1  | 27 | 3        | 2  | 19 | 53 |
| Biff. 43 | 9          | 25 | 17 | 6  | 10           | 9  | 41 | 19 | 3        | 21 | 39 | 36 |
| 44       | 2          | 17 | 50 | 45 | 11           | 20 | 27 | 53 | 4        | 11 | 2  | 29 |
| 45       | 6          | 27 | 13 | 48 | 1            | 1  | 7  | 46 | 5        | 0  | 22 | 12 |
| 46       | 11         | 6  | 36 | 51 | 2            | 11 | 47 | 38 | 5        | 19 | 41 | 56 |
| Biff. 47 | 3          | 15 | 59 | 54 | 3            | 22 | 27 | 31 | 6        | 9  | 1  | 38 |
| 48       | 8          | 8  | 33 | 32 | 5            | 3  | 14 | 3  | 6        | 28 | 24 | 31 |
| 49       | 0          | 17 | 56 | 35 | 6            | 13 | 53 | 55 | 7        | 17 | 44 | 15 |
| 50       | 4          | 27 | 19 | 39 | 7            | 24 | 33 | 48 | 8        | 7  | 3  | 58 |
| Biff. 51 | 9          | 6  | 42 | 42 | 9            | 5  | 13 | 40 | 8        | 26 | 23 | 41 |
| 52       | 1          | 29 | 16 | 20 | 10           | 16 | 0  | 13 | 9        | 15 | 46 | 34 |
| 53       | 6          | 8  | 39 | 23 | 11           | 26 | 40 | 6  | 10       | 5  | 6  | 18 |
| 54       | 10         | 18 | 2  | 26 | 1            | 7  | 19 | 58 | 10       | 24 | 26 | 1  |
| Biff. 55 | 2          | 27 | 25 | 29 | 2            | 17 | 59 | 51 | 11       | 13 | 45 | 44 |
| Biff. 56 | 7          | 19 | 59 | 8  | 3            | 28 | 46 | 23 | 0        | 3  | 8  | 37 |
| 57       | 11         | 29 | 22 | 11 | 5            | 9  | 26 | 16 | 0        | 22 | 28 | 21 |
| 58       | 4          | 8  | 45 | 14 | 6            | 20 | 6  | 8  | 1        | 11 | 48 | 4  |
| Biff. 59 | 8          | 18 | 8  | 17 | 8            | 0  | 46 | 1  | 2        | 1  | 7  | 46 |
| 60       | 1          | 10 | 41 | 55 | 9            | 11 | 32 | 34 | 2        | 20 | 30 | 39 |

TABLE XI.  
DES MOYENS MOUVEMENTS DE LA LUNE  
pour les Années.

| Années.  | LONGITUDE. |    |    |    | A P O G E E. |    |    |    | N Œ U D. |    |    |    |
|----------|------------|----|----|----|--------------|----|----|----|----------|----|----|----|
|          | Sign.      | D. | M. | S. | Sign.        | D. | M. | S. | Sign.    | D. | M. | S. |
| 61       | 5          | 20 | 4  | 58 | 10           | 22 | 12 | 27 | 3        | 9  | 50 | 22 |
| 62       | 9          | 29 | 28 | 2  | 0            | 2  | 52 | 19 | 3        | 29 | 10 | 4  |
| Biff. 63 | 2          | 8  | 51 | 5  | 1            | 13 | 32 | 12 | 4        | 18 | 29 | 47 |
| 64       | 7          | 1  | 24 | 43 | 2            | 24 | 18 | 44 | 5        | 7  | 52 | 41 |
| 65       | 11         | 10 | 47 | 46 | 4            | 4  | 58 | 37 | 5        | 27 | 12 | 24 |
| 66       | 3          | 20 | 10 | 49 | 5            | 15 | 38 | 29 | 6        | 16 | 32 | 7  |
| 67       | 7          | 29 | 33 | 53 | 6            | 26 | 18 | 22 | 7        | 5  | 51 | 50 |
| Biff. 68 | 0          | 22 | 7  | 31 | 8            | 7  | 4  | 54 | 7        | 25 | 14 | 44 |
| 69       | 5          | 1  | 30 | 34 | 9            | 17 | 44 | 46 | 8        | 14 | 34 | 27 |
| 70       | 9          | 10 | 53 | 37 | 10           | 28 | 24 | 39 | 9        | 3  | 54 | 10 |
| Biff. 71 | 1          | 20 | 16 | 40 | 0            | 9  | 4  | 31 | 9        | 23 | 13 | 53 |
| 72       | 6          | 12 | 50 | 18 | 1            | 19 | 51 | 4  | 10       | 12 | 36 | 46 |
| 73       | 10         | 22 | 13 | 22 | 3            | 0  | 30 | 56 | 11       | 1  | 56 | 29 |
| 74       | 3          | 1  | 36 | 25 | 4            | 11 | 10 | 49 | 11       | 21 | 16 | 12 |
| 75       | 7          | 10 | 59 | 28 | 5            | 21 | 50 | 42 | 0        | 10 | 35 | 55 |
| Biff. 76 | 0          | 3  | 33 | 6  | 7            | 2  | 37 | 15 | 0        | 29 | 58 | 49 |
| 77       | 4          | 12 | 56 | 9  | 8            | 13 | 17 | 7  | 1        | 19 | 18 | 32 |
| 78       | 8          | 22 | 19 | 12 | 9            | 23 | 57 | 0  | 2        | 8  | 38 | 15 |
| Biff. 79 | 1          | 1  | 42 | 16 | 11           | 4  | 36 | 52 | 2        | 27 | 57 | 58 |
| 80       | 5          | 24 | 15 | 54 | 0            | 15 | 23 | 25 | 3        | 17 | 20 | 52 |
| 81       | 10         | 3  | 38 | 57 | 1            | 26 | 3  | 17 | 4        | 6  | 40 | 35 |
| 82       | 2          | 13 | 2  | 0  | 3            | 6  | 43 | 10 | 4        | 26 | 0  | 18 |
| 83       | 6          | 22 | 25 | 3  | 4            | 17 | 23 | 2  | 5        | 15 | 20 | 1  |
| Biff. 84 | 11         | 14 | 58 | 41 | 5            | 28 | 9  | 34 | 6        | 4  | 42 | 55 |
| 85       | 3          | 24 | 21 | 44 | 7            | 8  | 49 | 27 | 6        | 24 | 2  | 38 |
| 86       | 8          | 3  | 44 | 47 | 8            | 19 | 29 | 19 | 7        | 13 | 22 | 21 |
| 87       | 0          | 13 | 7  | 51 | 10           | 0  | 9  | 12 | 8        | 2  | 42 | 4  |
| Biff. 88 | 5          | 5  | 41 | 29 | 11           | 10 | 55 | 45 | 8        | 22 | 4  | 58 |
| 89       | 9          | 15 | 4  | 32 | 0            | 21 | 35 | 37 | 9        | 11 | 24 | 41 |
| 90       | 1          | 24 | 27 | 35 | 1            | 2  | 15 | 30 | 10       | 0  | 44 | 24 |

TABLE XI.  
DES MOYENS MOUVEMENTS DE LA LUNE  
pour les Années.

|           | LONGITUDE. |       |    |    | A P O G E E. |       |    |    | N Œ U D. |       |    |    |
|-----------|------------|-------|----|----|--------------|-------|----|----|----------|-------|----|----|
|           | Années.    | Sign. | D. | M. | S.           | Sign. | D. | M. | S.       | Sign. | D. | M. |
| Biff. 91  | 6          | 3     | 50 | 39 | 3            | 12    | 55 | 22 | 10       | 20    | 4  | 6  |
| 92        | 10         | 26    | 24 | 17 | 4            | 23    | 41 | 55 | 11       | 9     | 27 | 0  |
| 93        | 3          | 5     | 47 | 20 | 6            | 4     | 21 | 48 | 11       | 28    | 46 | 43 |
| 94        | 7          | 15    | 10 | 23 | 7            | 15    | 1  | 40 | 0        | 18    | 6  | 26 |
| 95        | 11         | 24    | 33 | 26 | 8            | 25    | 41 | 33 | 1        | 7     | 26 | 9  |
| Biff. 96  | 4          | 17    | 7  | 5  | 10           | 6     | 28 | 6  | 1        | 26    | 49 | 2  |
| 97        | 8          | 26    | 30 | 8  | 11           | 17    | 7  | 58 | 2        | 16    | 8  | 45 |
| 98        | 1          | 5     | 53 | 11 | 0            | 27    | 47 | 51 | 3        | 5     | 28 | 28 |
| 99        | 5          | 15    | 16 | 14 | 2            | 8     | 27 | 43 | 3        | 24    | 48 | 11 |
| Biff. 100 | 10         | 7     | 49 | 52 | 3            | 19    | 14 | 16 | 4        | 14    | 11 | 5  |
| Com. 100  | 9          | 24    | 39 | 17 | 3            | 19    | 7  | 35 | 4        | 14    | 7  | 55 |
| C. 200    | 7          | 19    | 18 | 34 | 7            | 8     | 15 | 10 | 8        | 28    | 15 | 49 |
| C. 300    | 5          | 13    | 57 | 51 | 10           | 27    | 22 | 45 | 1        | 12    | 23 | 43 |
| B. 400    | 3          | 21    | 47 | 43 | 2            | 16    | 27 | 1  | 5        | 26    | 34 | 48 |
| C. 500    | 1          | 16    | 27 | 1  | 6            | 5     | 44 | 36 | 10       | 10    | 42 | 43 |
| C. 600    | 11         | 11    | 6  | 18 | 9            | 24    | 52 | 11 | 2        | 24    | 50 | 37 |
| C. 700    | 9          | 5     | 45 | 35 | 1            | 13    | 59 | 46 | 7        | 8     | 58 | 32 |
| B. 800    | 7          | 13    | 35 | 28 | 5            | 3     | 14 | 2  | 11       | 23    | 9  | 37 |
| C. 900    | 5          | 8     | 14 | 45 | 8            | 22    | 21 | 37 | 4        | 7     | 17 | 32 |
| C. 1000   | 3          | 2     | 54 | 2  | 0            | 11    | 29 | 12 | 8        | 21    | 25 | 26 |
| B. 2000   | 6          | 18    | 58 | 39 | 0            | 23    | 5  | 5  | 5        | 12    | 54 | 2  |
| C. 3000   | 9          | 21    | 52 | 41 | 1            | 4     | 34 | 17 | 2        | 4     | 19 | 28 |
| B. 4000   | 1          | 7     | 57 | 18 | 1            | 16    | 10 | 10 | 10       | 25    | 48 | 4  |
| C. 5000   | 4          | 10    | 51 | 20 | 1            | 27    | 39 | 22 | 7        | 17    | 13 | 30 |
| B. 6000   | 7          | 26    | 55 | 57 | 2            | 9     | 15 | 15 | 4        | 8     | 42 | 6  |
| C. 7000   | 10         | 29    | 49 | 59 | 2            | 20    | 44 | 27 | 1        | 0     | 7  | 32 |
| B. 8000   | 2          | 15    | 54 | 36 | 3            | 2     | 29 | 20 | 9        | 21    | 36 | 8  |
| C. 9000   | 5          | 18    | 48 | 38 | 3            | 13    | 49 | 32 | 6        | 13    | 1  | 34 |
| B. 10000  | 9          | 4     | 53 | 15 | 3            | 25    | 25 | 25 | 3        | 4     | 30 | 10 |
| B. 20000  | 6          | 9     | 46 | 30 | 7            | 20    | 50 | 50 | 6        | 9     | 0  | 20 |



TABLE XII.  
DES MOYENS MOUVEMENTS DE LA LUNE  
pour les Jours de l'Année.

| M A R S. |                |          |          | A V R I L. |                |          |          |
|----------|----------------|----------|----------|------------|----------------|----------|----------|
|          | Longitude.     | Apogée.  | Nœud.    |            | Longitude.     | Apogée.  | Nœud.    |
| J.       | Sign. D. M. S. | D. M. S. | D. M. S. | J.         | Sign. D. M. S. | D. M. S. | D. M. S. |
| 1        | 2 10 35 1      | 6 41 4   | 3 10 38  | 1          | 3 29 3 7       | 10 8 18  | 4 49 8   |
| 2        | 2 23 45 36     | 6 47 45  | 3 13 49  | 2          | 4 12 13 42     | 10 14 59 | 4 52 18  |
| 3        | 3 6 56 11      | 6 54 26  | 3 16 59  | 3          | 4 25 24 17     | 10 21 40 | 4 55 29  |
| 4        | 3 20 6 46      | 7 1 7    | 3 20 10  | 4          | 5 8 34 52      | 10 28 21 | 4 58 40  |
| 5        | 4 3 17 21      | 7 7 48   | 3 23 20  | 5          | 5 21 45 27     | 10 35 2  | 5 1 50   |
| 6        | 4 16 27 56     | 7 14 29  | 3 26 31  | 6          | 6 4 56 2       | 10 41 43 | 5 5 1    |
| 7        | 4 29 38 31     | 7 21 11  | 3 29 42  | 7          | 6 18 6 37      | 10 48 25 | 5 8 12   |
| 8        | 5 12 49 7      | 7 27 52  | 3 32 52  | 8          | 7 1 17 12      | 10 55 6  | 5 11 22  |
| 9        | 5 25 59 42     | 7 34 33  | 3 36 3   | 9          | 7 14 27 47     | 11 1 47  | 5 14 33  |
| 10       | 6 9 10 17      | 7 41 14  | 3 39 14  | 10         | 7 27 38 22     | 11 8 28  | 5 17 44  |
| 11       | 6 22 20 52     | 7 47 55  | 3 42 24  | 11         | 8 10 48 57     | 11 15 9  | 5 20 54  |
| 12       | 7 5 31 27      | 7 54 36  | 3 45 35  | 12         | 8 23 59 32     | 11 21 50 | 5 24 5   |
| 13       | 7 18 42 2      | 8 1 17   | 3 48 46  | 13         | 9 7 10 7       | 11 28 31 | 5 27 16  |
| 14       | 8 1 52 37      | 8 7 58   | 3 51 56  | 14         | 9 20 20 42     | 11 35 12 | 5 30 27  |
| 15       | 8 15 3 12      | 8 14 39  | 3 55 7   | 15         | 10 3 31 17     | 11 41 53 | 5 33 37  |
| 16       | 8 28 13 47     | 8 21 20  | 3 58 17  | 16         | 10 16 41 52    | 11 48 34 | 5 36 48  |
| 17       | 9 11 24 22     | 8 28 1   | 4 1 28   | 17         | 10 29 52 27    | 11 55 15 | 5 39 59  |
| 18       | 9 24 34 57     | 8 34 42  | 4 4 39   | 18         | 11 13 3 2      | 12 1 56  | 5 43 9   |
| 19       | 10 7 45 32     | 8 41 23  | 4 7 49   | 19         | 11 26 13 37    | 12 8 37  | 5 46 20  |
| 20       | 10 20 56 7     | 8 48 4   | 4 11 0   | 20         | 0 9 24 13      | 12 15 18 | 5 49 31  |
| 21       | 11 4 6 42      | 8 54 46  | 4 14 10  | 21         | 0 22 34 48     | 12 22 0  | 5 52 42  |
| 22       | 11 17 17 17    | 9 1 27   | 4 17 21  | 22         | 1 5 45 23      | 12 28 41 | 5 55 53  |
| 23       | 0 0 27 52      | 9 8 8    | 4 20 32  | 23         | 1 18 55 58     | 12 35 22 | 5 59 3   |
| 24       | 0 13 38 27     | 9 14 49  | 4 23 42  | 24         | 2 2 6 33       | 12 42 3  | 6 2 14   |
| 25       | 0 26 49 2      | 9 21 30  | 4 26 53  | 25         | 2 15 17 8      | 12 48 44 | 6 5 24   |
| 26       | 1 9 59 37      | 9 28 11  | 4 30 4   | 26         | 2 28 27 43     | 12 55 25 | 6 8 35   |
| 27       | 1 23 10 12     | 9 34 52  | 4 33 14  | 27         | 3 11 38 18     | 13 2 6   | 6 11 45  |
| 28       | 2 6 20 47      | 9 41 33  | 4 36 25  | 28         | 3 24 48 53     | 13 8 47  | 6 14 56  |
| 29       | 2 19 31 22     | 9 48 14  | 4 39 36  | 29         | 4 7 59 28      | 13 15 28 | 6 18 6   |
| 30       | 3 2 41 57      | 9 54 55  | 4 42 46  | 30         | 4 21 10 3      | 13 22 9  | 6 21 17  |
| 31       | 3 15 52 32     | 10 1 36  | 4 45 57  |            |                |          |          |

TABLE XII.  
DES MOYENS MOUVEMENTS DE LA LUNE  
pour les Jours de l'Année.

| M A I. |            |    |    |         |    | J U I N. |       |    |    |    |            |      |    |         |    |    |       |    |    |    |    |
|--------|------------|----|----|---------|----|----------|-------|----|----|----|------------|------|----|---------|----|----|-------|----|----|----|----|
|        | Longitude. |    |    | Apogée. |    |          | Nœud. |    |    |    | Longitude. |      |    | Apogée. |    |    | Nœud. |    |    |    |    |
| J.     | Sig.       | D. | M. | S.      | D. | M.       | S.    | D. | M. | S. | J.         | Sig. | D. | M.      | S. | D. | M.    | S. | D. | M. | S. |
| 1      | 5          | 4  | 20 | 38      | 13 | 28       | 50    | 6  | 24 | 27 | 1          | 6    | 22 | 48      | 43 | 16 | 56    | 3  | 8  | 2  | 57 |
| 2      | 5          | 17 | 31 | 13      | 13 | 35       | 31    | 6  | 27 | 38 | 2          | 7    | 5  | 59      | 18 | 17 | 2     | 44 | 8  | 6  | 8  |
| 3      | 6          | 0  | 41 | 48      | 13 | 42       | 12    | 6  | 30 | 48 | 3          | 7    | 19 | 9       | 54 | 17 | 9     | 25 | 8  | 9  | 18 |
| 4      | 6          | 13 | 52 | 23      | 13 | 48       | 53    | 6  | 33 | 59 | 4          | 8    | 2  | 20      | 29 | 17 | 16    | 6  | 8  | 12 | 29 |
| 5      | 6          | 27 | 2  | 58      | 13 | 55       | 34    | 6  | 37 | 10 | 5          | 8    | 15 | 31      | 4  | 17 | 22    | 47 | 8  | 15 | 40 |
| 6      | 7          | 10 | 13 | 33      | 14 | 2        | 15    | 6  | 40 | 20 | 6          | 8    | 28 | 41      | 39 | 17 | 29    | 28 | 8  | 18 | 50 |
| 7      | 7          | 23 | 24 | 8       | 14 | 8        | 57    | 6  | 43 | 31 | 7          | 9    | 11 | 52      | 14 | 17 | 36    | 10 | 8  | 22 | 1  |
| 8      | 8          | 6  | 34 | 43      | 14 | 15       | 38    | 6  | 46 | 42 | 8          | 9    | 25 | 2       | 49 | 17 | 42    | 51 | 8  | 25 | 11 |
| 9      | 8          | 19 | 45 | 18      | 14 | 22       | 19    | 6  | 49 | 52 | 9          | 10   | 8  | 13      | 24 | 17 | 49    | 32 | 8  | 28 | 22 |
| 10     | 9          | 2  | 55 | 53      | 14 | 29       | 0     | 6  | 53 | 3  | 10         | 10   | 21 | 23      | 59 | 17 | 56    | 13 | 8  | 31 | 33 |
| 11     | 9          | 16 | 6  | 28      | 14 | 35       | 41    | 6  | 56 | 14 | 11         | 11   | 4  | 34      | 34 | 18 | 2     | 54 | 8  | 34 | 43 |
| 12     | 9          | 29 | 17 | 3       | 14 | 42       | 22    | 6  | 59 | 24 | 12         | 11   | 17 | 45      | 8  | 18 | 9     | 35 | 8  | 37 | 54 |
| 13     | 10         | 12 | 27 | 38      | 14 | 49       | 3     | 7  | 2  | 35 | 13         | 0    | 0  | 55      | 44 | 18 | 16    | 16 | 8  | 41 | 5  |
| 14     | 10         | 25 | 38 | 13      | 14 | 55       | 44    | 7  | 5  | 46 | 14         | 0    | 14 | 6       | 19 | 18 | 22    | 57 | 8  | 44 | 15 |
| 15     | 11         | 8  | 48 | 48      | 15 | 2        | 25    | 7  | 8  | 56 | 15         | 0    | 27 | 16      | 54 | 18 | 29    | 38 | 8  | 47 | 26 |
| 16     | 11         | 21 | 59 | 23      | 15 | 9        | 6     | 7  | 12 | 7  | 16         | 1    | 10 | 27      | 29 | 18 | 36    | 19 | 8  | 50 | 37 |
| 17     | 0          | 5  | 9  | 58      | 15 | 15       | 47    | 7  | 15 | 18 | 17         | 1    | 23 | 38      | 4  | 18 | 43    | 0  | 8  | 53 | 47 |
| 18     | 0          | 18 | 20 | 33      | 15 | 22       | 28    | 7  | 18 | 28 | 18         | 2    | 6  | 48      | 39 | 18 | 49    | 41 | 8  | 56 | 58 |
| 19     | 1          | 1  | 31 | 8       | 15 | 29       | 9     | 7  | 21 | 39 | 19         | 2    | 19 | 59      | 14 | 18 | 56    | 22 | 9  | 0  | 9  |
| 20     | 1          | 14 | 41 | 43      | 15 | 35       | 50    | 7  | 24 | 50 | 20         | 3    | 3  | 9       | 49 | 19 | 3     | 3  | 9  | 3  | 19 |
| 21     | 1          | 27 | 52 | 18      | 15 | 42       | 32    | 7  | 28 | 0  | 21         | 3    | 16 | 20      | 24 | 19 | 9     | 45 | 9  | 6  | 30 |
| 22     | 2          | 11 | 2  | 53      | 15 | 49       | 13    | 7  | 31 | 11 | 22         | 3    | 29 | 30      | 59 | 19 | 16    | 26 | 9  | 9  | 41 |
| 23     | 2          | 24 | 13 | 28      | 15 | 55       | 54    | 7  | 34 | 22 | 23         | 4    | 12 | 41      | 34 | 19 | 23    | 7  | 9  | 12 | 51 |
| 24     | 3          | 7  | 24 | 3       | 16 | 2        | 35    | 7  | 37 | 32 | 24         | 4    | 25 | 52      | 9  | 19 | 29    | 48 | 9  | 16 | 2  |
| 25     | 3          | 20 | 34 | 38      | 16 | 9        | 16    | 7  | 40 | 43 | 25         | 5    | 9  | 2       | 44 | 19 | 36    | 29 | 9  | 19 | 13 |
| 26     | 4          | 3  | 45 | 13      | 16 | 15       | 57    | 7  | 43 | 54 | 26         | 5    | 22 | 13      | 19 | 19 | 43    | 10 | 9  | 22 | 23 |
| 27     | 4          | 16 | 55 | 48      | 16 | 22       | 38    | 7  | 47 | 4  | 27         | 6    | 5  | 23      | 54 | 19 | 49    | 51 | 9  | 25 | 34 |
| 28     | 5          | 0  | 6  | 23      | 16 | 29       | 19    | 7  | 50 | 15 | 28         | 6    | 18 | 34      | 29 | 19 | 56    | 32 | 9  | 28 | 45 |
| 29     | 5          | 13 | 16 | 58      | 16 | 36       | 0     | 7  | 53 | 25 | 29         | 7    | 1  | 45      | 4  | 20 | 3     | 13 | 9  | 31 | 55 |
| 30     | 5          | 26 | 27 | 33      | 16 | 42       | 41    | 7  | 56 | 36 | 30         | 7    | 14 | 55      | 39 | 20 | 9     | 54 | 9  | 35 | 6  |
| 31     | 6          | 9  | 38 | 8       | 16 | 49       | 22    | 7  | 59 | 47 |            |      |    |         |    |    |       |    |    |    |    |



TABLE XII.  
DES MOYENS MOUVEMENTS DE LA LUNE  
pour les Jours de l'Année.

| JUILLET.   |                |          |          |          |             | A O U S T.     |          |          |          |          |  |
|------------|----------------|----------|----------|----------|-------------|----------------|----------|----------|----------|----------|--|
| Longitude. |                | Apogée.  |          | Nœud.    |             | Longitude.     |          | Apogée.  |          | Nœud.    |  |
| J.         | Sign. D. M. S. | D. M. S. | D. M. S. | D. M. S. | J.          | Sign. D. M. S. | D. M. S. | D. M. S. | D. M. S. | D. M. S. |  |
| 1          | 7 28 6 14      | 20 16 36 | 9 38 16  | 1        | 9 16 34 20  | 23 43 49       | 11 16 45 |          |          |          |  |
| 2          | 8 11 16 49     | 20 23 17 | 9 41 27  | 2        | 9 29 44 55  | 23 50 30       | 11 19 56 |          |          |          |  |
| 3          | 8 24 27 24     | 20 29 58 | 9 44 37  | 3        | 10 12 55 30 | 23 57 11       | 11 23 6  |          |          |          |  |
| 4          | 9 7 37 59      | 20 36 39 | 9 47 48  | 4        | 10 26 6 5   | 24 3 52        | 11 26 17 |          |          |          |  |
| 5          | 9 20 48 34     | 20 43 20 | 9 50 59  | 5        | 11 9 16 40  | 24 10 33       | 11 29 28 |          |          |          |  |
| 6          | 10 3 59 9      | 20 50 1  | 9 54 9   | 6        | 11 22 27 15 | 24 17 14       | 11 32 38 |          |          |          |  |
| 7          | 10 17 9 44     | 20 56 43 | 9 57 20  | 7        | 0 5 37 50   | 24 23 56       | 11 35 49 |          |          |          |  |
| 8          | 11 0 20 19     | 21 3 24  | 10 0 31  | 8        | 0 18 48 25  | 24 30 37       | 11 39 0  |          |          |          |  |
| 9          | 11 13 30 54    | 21 10 5  | 10 3 41  | 9        | 1 1 59 0    | 24 37 18       | 11 42 10 |          |          |          |  |
| 10         | 11 26 41 29    | 21 16 46 | 10 6 52  | 10       | 1 15 9 35   | 24 43 59       | 11 45 21 |          |          |          |  |
| 11         | 0 9 52 4       | 21 23 27 | 10 10 3  | 11       | 1 28 20 10  | 24 50 40       | 11 48 31 |          |          |          |  |
| 12         | 0 23 2 39      | 21 30 8  | 10 13 13 | 12       | 2 11 30 45  | 24 57 21       | 11 51 42 |          |          |          |  |
| 13         | 1 6 13 14      | 21 36 49 | 10 16 24 | 13       | 2 24 41 20  | 25 4 2         | 11 54 53 |          |          |          |  |
| 14         | 1 19 23 49     | 21 43 30 | 10 19 35 | 14       | 3 7 51 55   | 25 10 43       | 11 58 3  |          |          |          |  |
| 15         | 2 2 34 24      | 21 50 11 | 10 22 45 | 15       | 3 21 2 30   | 25 17 24       | 12 1 14  |          |          |          |  |
| 16         | 2 15 44 59     | 21 56 52 | 10 25 56 | 16       | 4 4 13 5    | 25 24 5        | 12 4 25  |          |          |          |  |
| 17         | 2 28 55 35     | 22 3 33  | 10 29 7  | 17       | 4 17 23 40  | 25 30 46       | 12 7 35  |          |          |          |  |
| 18         | 3 12 6 10      | 22 10 14 | 10 32 17 | 18       | 5 0 34 15   | 25 37 27       | 12 10 46 |          |          |          |  |
| 19         | 3 25 16 45     | 22 16 55 | 10 35 28 | 19       | 5 13 44 50  | 25 44 8        | 12 13 57 |          |          |          |  |
| 20         | 4 8 27 20      | 22 23 36 | 10 38 39 | 20       | 5 26 55 25  | 25 50 49       | 12 17 7  |          |          |          |  |
| 21         | 4 21 37 55     | 22 30 18 | 10 41 49 | 21       | 6 10 6 0    | 25 57 31       | 12 20 18 |          |          |          |  |
| 22         | 5 4 48 30      | 22 36 59 | 10 45 0  | 22       | 6 23 16 35  | 26 4 12        | 12 23 29 |          |          |          |  |
| 23         | 5 17 59 5      | 22 43 40 | 10 48 10 | 23       | 7 6 27 10   | 26 10 53       | 12 26 39 |          |          |          |  |
| 24         | 6 1 9 40       | 22 50 21 | 10 51 21 | 24       | 7 19 37 45  | 26 17 34       | 12 29 50 |          |          |          |  |
| 25         | 6 14 20 15     | 22 57 2  | 10 54 31 | 25       | 8 2 48 20   | 26 24 15       | 12 33 1  |          |          |          |  |
| 26         | 6 27 30 50     | 23 3 43  | 10 57 42 | 26       | 8 15 58 55  | 26 30 56       | 12 36 11 |          |          |          |  |
| 27         | 7 10 41 25     | 23 10 24 | 11 0 52  | 27       | 8 29 9 30   | 26 37 37       | 12 39 22 |          |          |          |  |
| 28         | 7 23 52 0      | 23 17 5  | 11 4 3   | 28       | 9 12 20 5   | 26 44 19       | 12 42 33 |          |          |          |  |
| 29         | 8 7 2 35       | 23 23 46 | 11 7 14  | 29       | 9 25 30 40  | 26 50 59       | 12 45 43 |          |          |          |  |
| 30         | 8 20 13 10     | 23 30 27 | 11 10 24 | 30       | 10 8 41 15  | 26 57 40       | 12 48 54 |          |          |          |  |
| 31         | 9 3 23 45      | 23 37 8  | 11 13 35 | 31       | 10 21 51 51 | 27 4 21        | 12 52 5  |          |          |          |  |

TABLE XII.  
DES MOYENS MOUVEMENTS DE LA LUNE  
pour les Jours de l'Année.

| SEPTEMBRE. |                |             |          | OCTOBRE. |                |             |          |
|------------|----------------|-------------|----------|----------|----------------|-------------|----------|
|            | Longitude.     | Apogée.     | Nœud.    |          | Longitude.     | Apogée.     | Nœud.    |
| J.         | Sign. D. M. S. | S. D. M. S. | D. M. S. | J.       | Sign. D. M. S. | S. D. M. S. | D. M. S. |
| 1          | 11 5 26        | 0 27 11 2   | 12 55 15 | 1        | 0 10 19 56     | 1 0 31 34   | 14 30 34 |
| 2          | 11 18 13 1     | 0 27 17 43  | 12 58 26 | 2        | 0 23 30 31     | 1 0 38 15   | 14 33 45 |
| 3          | 0 1 23 36      | 0 27 24 24  | 13 1 36  | 3        | 1 6 41 6       | 1 0 44 56   | 14 36 56 |
| 4          | 0 14 34 11     | 0 27 31 5   | 13 4 47  | 4        | 1 19 51 41     | 1 0 51 37   | 14 40 6  |
| 5          | 0 27 44 46     | 0 27 37 46  | 13 7 58  | 5        | 2 3 2 16       | 1 0 58 18   | 14 43 17 |
| 6          | 1 10 55 21     | 0 27 44 27  | 13 11 8  | 6        | 2 16 12 51     | 1 1 4 59    | 14 46 27 |
| 7          | 1 24 5 56      | 0 27 51 9   | 13 14 19 | 7        | 2 29 23 26     | 1 1 11 41   | 14 49 38 |
| 8          | 2 7 16 31      | 0 27 57 50  | 13 17 30 | 8        | 3 12 34 1      | 1 1 18 22   | 14 52 49 |
| 9          | 2 20 27 6      | 0 28 4 31   | 13 20 40 | 9        | 3 25 44 36     | 1 1 25 3    | 14 55 59 |
| 10         | 3 3 37 41      | 0 28 11 12  | 13 23 51 | 10       | 4 8 55 11      | 1 1 31 44   | 14 59 10 |
| 11         | 3 16 48 16     | 0 28 17 53  | 13 27 1  | 11       | 4 22 5 46      | 1 1 38 25   | 15 2 21  |
| 12         | 3 29 58 51     | 0 28 24 34  | 13 30 12 | 12       | 5 5 16 21      | 1 1 45 6    | 15 5 32  |
| 13         | 4 13 9 26      | 0 28 31 15  | 13 33 23 | 13       | 5 18 26 56     | 1 1 51 47   | 15 8 42  |
| 14         | 4 26 20 1      | 0 28 37 56  | 13 36 33 | 14       | 6 1 37 32      | 1 1 58 28   | 15 11 53 |
| 15         | 5 9 30 36      | 0 28 44 37  | 13 39 44 | 15       | 6 14 48 6      | 1 2 5 9     | 15 15 3  |
| 16         | 5 22 41 11     | 0 28 51 18  | 13 42 55 | 16       | 6 27 58 42     | 1 2 11 50   | 15 18 14 |
| 17         | 6 5 51 46      | 0 28 57 59  | 13 46 5  | 17       | 7 11 9 16      | 1 2 18 31   | 15 21 25 |
| 18         | 6 19 2 21      | 0 29 4 40   | 13 49 16 | 18       | 7 24 19 52     | 1 2 25 12   | 15 24 35 |
| 19         | 7 2 12 56      | 0 29 11 21  | 13 52 27 | 19       | 8 7 30 27      | 1 2 31 53   | 15 27 46 |
| 20         | 7 15 23 31     | 0 29 18 2   | 13 55 37 | 20       | 8 20 41 2      | 1 2 38 34   | 15 30 56 |
| 21         | 7 28 34 6      | 0 29 24 44  | 13 58 48 | 21       | 9 3 51 37      | 1 2 45 16   | 15 34 7  |
| 22         | 8 11 44 41     | 0 29 31 25  | 14 1 59  | 22       | 9 17 2 12      | 1 2 51 57   | 15 37 18 |
| 23         | 8 24 55 16     | 0 29 38 6   | 14 5 9   | 23       | 10 0 12 47     | 1 2 58 38   | 15 40 28 |
| 24         | 9 8 5 51       | 0 29 44 47  | 14 8 20  | 24       | 10 13 23 22    | 1 3 5 19    | 15 43 39 |
| 25         | 9 21 16 26     | 0 29 51 28  | 14 11 30 | 25       | 10 26 33 57    | 1 3 12 0    | 15 46 50 |
| 26         | 10 4 27 1      | 0 29 58 9   | 14 14 41 | 26       | 11 9 44 32     | 1 3 18 41   | 15 50 0  |
| 27         | 10 17 37 36    | 1 0 4 50    | 14 17 52 | 27       | 11 22 55 7     | 1 3 25 22   | 15 53 11 |
| 28         | 11 0 48 11     | 1 0 11 32   | 14 21 2  | 28       | 0 6 5 42       | 1 3 32 3    | 15 56 21 |
| 29         | 11 13 58 46    | 1 0 18 12   | 14 24 13 | 29       | 0 19 16 17     | 1 3 38 44   | 15 59 32 |
| 30         | 11 27 9 21     | 1 0 24 53   | 14 27 24 | 30       | 1 2 26 52      | 1 3 45 25   | 16 2 43  |
|            |                |             |          | 31       | 1 15 37 27     | 1 3 52 6    | 16 5 53  |

TABLE XII.  
DES MOYENS MOUVEMENTS DE LA LUNE  
pour les Jours de l'Année.

| NOVEMBRE. |            |    |         |    |       | DECEMBRE. |            |    |         |    |       |
|-----------|------------|----|---------|----|-------|-----------|------------|----|---------|----|-------|
|           | Longitude. |    | Apogée. |    | Nœud. |           | Longitude. |    | Apogée. |    | Nœud. |
| J.        | Sig.       | D. | M.      | S. | S.    | D.        | M.         | S. | D.      | M. | S.    |
| 1         | 1          | 28 | 48      | 2  | 1     | 3         | 58         | 48 | 16      | 9  | 4     |
| 2         | 2          | 11 | 58      | 37 | 1     | 4         | 5          | 29 | 16      | 12 | 15    |
| 3         | 2          | 25 | 9       | 12 | 1     | 4         | 12         | 10 | 16      | 15 | 25    |
| 4         | 3          | 8  | 19      | 47 | 1     | 4         | 18         | 51 | 16      | 18 | 36    |
| 5         | 3          | 21 | 30      | 22 | 1     | 4         | 25         | 32 | 16      | 21 | 47    |
| 6         | 4          | 4  | 40      | 57 | 1     | 4         | 32         | 13 | 16      | 24 | 57    |
| 7         | 4          | 17 | 51      | 32 | 1     | 4         | 38         | 55 | 16      | 28 | 8     |
| 8         | 5          | 1  | 2       | 7  | 1     | 4         | 45         | 36 | 16      | 31 | 19    |
| 9         | 5          | 14 | 12      | 42 | 1     | 4         | 52         | 17 | 16      | 34 | 29    |
| 10        | 5          | 27 | 23      | 17 | 1     | 4         | 58         | 58 | 16      | 37 | 40    |
| 11        | 6          | 10 | 33      | 52 | 1     | 5         | 5          | 39 | 16      | 40 | 50    |
| 12        | 6          | 23 | 44      | 27 | 1     | 5         | 12         | 20 | 16      | 44 | 1     |
| 13        | 6          | 7  | 55      | 2  | 1     | 5         | 19         | 1  | 16      | 47 | 12    |
| 14        | 7          | 20 | 5       | 37 | 1     | 5         | 25         | 42 | 16      | 50 | 22    |
| 15        | 8          | 3  | 16      | 12 | 1     | 5         | 32         | 23 | 16      | 53 | 33    |
| 16        | 8          | 16 | 26      | 47 | 1     | 5         | 39         | 4  | 16      | 56 | 44    |
| 17        | 8          | 29 | 37      | 22 | 1     | 5         | 45         | 45 | 16      | 59 | 54    |
| 18        | 9          | 12 | 47      | 57 | 1     | 5         | 52         | 26 | 17      | 3  | 5     |
| 19        | 9          | 25 | 58      | 32 | 1     | 5         | 59         | 7  | 17      | 6  | 16    |
| 20        | 10         | 9  | 9       | 7  | 1     | 6         | 5          | 48 | 17      | 9  | 26    |
| 21        | 10         | 22 | 19      | 42 | 1     | 6         | 12         | 30 | 17      | 12 | 37    |
| 22        | 11         | 5  | 30      | 17 | 1     | 6         | 19         | 11 | 17      | 15 | 48    |
| 23        | 11         | 18 | 40      | 52 | 1     | 6         | 25         | 52 | 17      | 18 | 58    |
| 24        | 0          | 1  | 51      | 27 | 1     | 6         | 32         | 33 | 17      | 22 | 9     |
| 25        | 0          | 15 | 2       | 2  | 1     | 6         | 39         | 14 | 17      | 25 | 20    |
| 26        | 0          | 28 | 12      | 38 | 1     | 6         | 45         | 55 | 17      | 28 | 30    |
| 27        | 1          | 11 | 23      | 13 | 1     | 6         | 52         | 36 | 17      | 31 | 41    |
| 28        | 1          | 24 | 33      | 47 | 1     | 6         | 59         | 17 | 17      | 34 | 51    |
| 29        | 2          | 7  | 44      | 23 | 1     | 7         | 5          | 58 | 17      | 38 | 2     |
| 30        | 2          | 20 | 54      | 58 | 1     | 7         | 12         | 39 | 17      | 41 | 12    |
| 31        |            |    |         |    |       |           |            |    |         |    |       |
| 1         | 3          | 4  | 5       | 33 | 1     | 7         | 19         | 20 | 17      | 44 | 23    |
| 2         | 3          | 17 | 16      | 8  | 1     | 7         | 26         | 1  | 17      | 47 | 34    |
| 3         | 4          | 0  | 26      | 43 | 1     | 7         | 32         | 42 | 17      | 50 | 44    |
| 4         | 4          | 13 | 37      | 18 | 1     | 7         | 39         | 23 | 17      | 53 | 55    |
| 5         | 4          | 26 | 47      | 53 | 1     | 7         | 46         | 4  | 17      | 57 | 6     |
| 6         | 5          | 9  | 58      | 28 | 1     | 7         | 52         | 45 | 18      | 0  | 16    |
| 7         | 5          | 23 | 9       | 3  | 1     | 7         | 59         | 27 | 18      | 3  | 27    |
| 8         | 6          | 6  | 19      | 38 | 1     | 8         | 6          | 8  | 18      | 6  | 38    |
| 9         | 6          | 19 | 30      | 13 | 1     | 8         | 12         | 49 | 18      | 9  | 48    |
| 10        | 7          | 2  | 40      | 48 | 1     | 8         | 19         | 30 | 18      | 12 | 59    |
| 11        | 7          | 15 | 51      | 23 | 1     | 8         | 26         | 11 | 18      | 16 | 10    |
| 12        | 7          | 29 | 1       | 58 | 1     | 8         | 32         | 52 | 18      | 19 | 20    |
| 13        | 8          | 12 | 12      | 33 | 1     | 8         | 39         | 33 | 18      | 22 | 31    |
| 14        | 8          | 25 | 23      | 8  | 1     | 8         | 46         | 14 | 18      | 25 | 42    |
| 15        | 9          | 8  | 33      | 43 | 1     | 8         | 52         | 55 | 18      | 28 | 52    |
| 16        | 9          | 21 | 44      | 18 | 1     | 8         | 59         | 36 | 18      | 32 | 3     |
| 17        | 10         | 4  | 54      | 53 | 1     | 9         | 6          | 17 | 18      | 35 | 14    |
| 18        | 10         | 18 | 5       | 28 | 1     | 9         | 12         | 58 | 18      | 38 | 24    |
| 19        | 11         | 1  | 16      | 3  | 1     | 9         | 19         | 39 | 18      | 41 | 35    |
| 20        | 11         | 14 | 26      | 38 | 1     | 9         | 26         | 20 | 18      | 44 | 46    |
| 21        | 11         | 27 | 37      | 13 | 1     | 9         | 33         | 2  | 18      | 47 | 56    |
| 22        | 0          | 10 | 47      | 48 | 1     | 9         | 39         | 43 | 18      | 51 | 7     |
| 23        | 0          | 23 | 58      | 23 | 1     | 9         | 46         | 24 | 18      | 54 | 18    |
| 24        | 1          | 7  | 8       | 58 | 1     | 9         | 53         | 5  | 18      | 57 | 28    |
| 25        | 1          | 20 | 19      | 33 | 1     | 9         | 59         | 46 | 19      | 0  | 39    |
| 26        | 2          | 3  | 30      | 8  | 1     | 10        | 6          | 27 | 19      | 3  | 50    |
| 27        | 2          | 16 | 40      | 43 | 1     | 10        | 13         | 8  | 19      | 7  | 0     |
| 28        | 2          | 29 | 51      | 18 | 1     | 10        | 19         | 49 | 19      | 10 | 11    |
| 29        | 3          | 13 | 1       | 53 | 1     | 10        | 26         | 30 | 19      | 13 | 21    |
| 30        | 3          | 26 | 12      | 28 | 1     | 10        | 33         | 11 | 19      | 16 | 32    |
| 31        | 4          | 9  | 23      | 3  | 1     | 10        | 39         | 52 | 19      | 19 | 43    |

TABLE XIII.  
DES MOYENS MOUVEMENTS  
DE LA LUNE

*Pour les Heures, Minutes & Secondes.*

| Heur. | Longitude. |    |    | Apogée |    | Nœud. |    | Longitude. |       |      | Apogée. |      | Nœud. |      |      |    |   |
|-------|------------|----|----|--------|----|-------|----|------------|-------|------|---------|------|-------|------|------|----|---|
|       | D.         | M. | S. | M.     | S. | M. S. |    | Min.       | M. S. | Sec. | Sec.    | Min. | M. S. | Sec. | Sec. |    |   |
| 1     | 0          | 32 | 56 | 0      | 17 | 0     | 8  | 1          | 0     | 33   | 0       | 0    | 31    | 17   | 1    | 9  | 4 |
| 2     | 1          | 5  | 53 | 0      | 33 | 0     | 16 | 2          | 1     | 6    | 1       | 0    | 32    | 17   | 34   | 9  | 4 |
| 3     | 1          | 38 | 49 | 0      | 50 | 0     | 24 | 3          | 1     | 39   | 1       | 0    | 33    | 18   | 7    | 9  | 4 |
| 4     | 2          | 11 | 46 | 1      | 7  | 0     | 32 | 4          | 2     | 12   | 1       | 1    | 34    | 18   | 40   | 9  | 4 |
| 5     | 2          | 44 | 42 | 1      | 24 | 0     | 40 | 5          | 2     | 45   | 1       | 1    | 35    | 19   | 13   | 9  | 5 |
| 6     | 3          | 17 | 39 | 1      | 40 | 0     | 48 | 6          | 3     | 18   | 2       | 1    | 36    | 19   | 46   | 10 | 5 |
| 7     | 3          | 50 | 35 | 1      | 57 | 0     | 56 | 7          | 3     | 51   | 2       | 1    | 37    | 20   | 19   | 10 | 5 |
| 8     | 4          | 23 | 32 | 2      | 14 | 1     | 4  | 8          | 4     | 24   | 2       | 1    | 38    | 20   | 52   | 10 | 5 |
| 9     | 4          | 56 | 28 | 2      | 30 | 1     | 12 | 9          | 4     | 56   | 2       | 1    | 39    | 21   | 25   | 11 | 5 |
| 10    | 5          | 29 | 24 | 2      | 47 | 1     | 19 | 10         | 5     | 29   | 3       | 1    | 40    | 21   | 58   | 11 | 5 |
| 11    | 6          | 2  | 21 | 3      | 4  | 1     | 27 | 11         | 6     | 2    | 3       | 1    | 41    | 22   | 31   | 11 | 6 |
| 12    | 6          | 35 | 18 | 3      | 20 | 1     | 35 | 12         | 6     | 35   | 3       | 2    | 42    | 23   | 4    | 12 | 6 |
| 13    | 7          | 8  | 14 | 3      | 37 | 1     | 43 | 13         | 7     | 8    | 4       | 2    | 43    | 23   | 36   | 12 | 6 |
| 14    | 7          | 41 | 10 | 3      | 54 | 1     | 51 | 14         | 7     | 41   | 4       | 2    | 44    | 24   | 9    | 12 | 6 |
| 15    | 8          | 14 | 7  | 4      | 11 | 1     | 59 | 15         | 8     | 14   | 4       | 2    | 45    | 24   | 42   | 13 | 6 |
| 16    | 8          | 47 | 3  | 4      | 27 | 2     | 7  | 16         | 8     | 47   | 4       | 2    | 46    | 25   | 15   | 13 | 6 |
| 17    | 9          | 20 | 0  | 4      | 44 | 2     | 15 | 17         | 9     | 20   | 5       | 2    | 47    | 25   | 48   | 13 | 6 |
| 18    | 9          | 52 | 56 | 5      | 1  | 2     | 23 | 18         | 9     | 53   | 5       | 2    | 48    | 26   | 21   | 13 | 6 |
| 19    | 10         | 25 | 53 | 5      | 18 | 2     | 31 | 19         | 10    | 26   | 6       | 3    | 49    | 26   | 54   | 14 | 6 |
| 20    | 10         | 58 | 49 | 5      | 34 | 2     | 39 | 20         | 10    | 59   | 6       | 3    | 50    | 27   | 27   | 14 | 7 |
| 21    | 11         | 31 | 46 | 5      | 51 | 2     | 47 | 21         | 11    | 32   | 6       | 3    | 51    | 28   | 0    | 14 | 7 |
| 22    | 12         | 4  | 42 | 6      | 8  | 2     | 55 | 22         | 12    | 5    | 6       | 3    | 52    | 28   | 33   | 14 | 7 |
| 23    | 12         | 37 | 39 | 6      | 24 | 3     | 3  | 23         | 12    | 38   | 6       | 3    | 53    | 29   | 6    | 15 | 7 |
| 24    | 13         | 10 | 35 | 6      | 41 | 3     | 11 | 24         | 13    | 11   | 7       | 3    | 54    | 29   | 39   | 15 | 7 |
| 25    |            |    |    |        |    |       |    | 25         | 13    | 44   | 7       | 3    | 55    | 30   | 12   | 15 | 7 |
| 26    |            |    |    |        |    |       |    | 26         | 14    | 16   | 7       | 3    | 56    | 30   | 45   | 16 | 7 |
| 27    |            |    |    |        |    |       |    | 27         | 14    | 49   | 8       | 4    | 57    | 31   | 18   | 16 | 8 |
| 28    |            |    |    |        |    |       |    | 28         | 15    | 22   | 8       | 4    | 58    | 31   | 51   | 16 | 8 |
| 29    |            |    |    |        |    |       |    | 29         | 15    | 55   | 8       | 4    | 59    | 32   | 24   | 16 | 8 |
| 30    |            |    |    |        |    |       |    | 30         | 16    | 28   | 8       | 4    | 60    | 32   | 56   | 17 | 8 |

TABLE XIV.  
DE LA I.<sup>re</sup> EQUATION SOLAIRE  
DE LA LUNE.

| ANOMALIE MOYENNE DU SOLEIL.                             |                  |                 |                  |                    |                   |                  |      |         |
|---------------------------------------------------------|------------------|-----------------|------------------|--------------------|-------------------|------------------|------|---------|
| Equation à ajouter à la longitude moyenne de la Lune.   |                  |                 |                  |                    |                   |                  |      |         |
|                                                         | 0 <sup>f.</sup>  | 1 <sup>f.</sup> | II <sup>f.</sup> | III <sup>f.</sup>  | IV <sup>f.</sup>  | V <sup>f.</sup>  |      |         |
| D.                                                      | M. S.            | M. S.           | M. S.            | M. S.              | M. S.             | M. S.            |      |         |
| 0                                                       | 0                | 0               | 4 48             | 8 22               | 9 44              | 8 30             | 4 57 | 30      |
| 1                                                       | 0                | 10              | 4 57             | 8 27               | 9 44              | 8 25             | 4 48 | 29      |
| 2                                                       | 0                | 20              | 5 5              | 8 32               | 9 44              | 8 20             | 4 39 | 28      |
| 3                                                       | 0                | 30              | 5 14             | 8 37               | 9 44              | 8 15             | 4 29 | 27      |
| 4                                                       | 0                | 40              | 5 22             | 8 41               | 9 44              | 8 9              | 4 20 | 26      |
| 5                                                       | 0                | 50              | 5 31             | 8 46               | 9 43              | 8 3              | 4 11 | 25      |
| 6                                                       | 1                | 0               | 5 39             | 8 50               | 9 42              | 7 57             | 4 2  | 24      |
| 7                                                       | 1                | 10              | 5 47             | 8 54               | 9 41              | 7 51             | 3 52 | 23      |
| 8                                                       | 1                | 20              | 5 55             | 8 58               | 9 40              | 7 45             | 3 42 | 22      |
| 9                                                       | 1                | 30              | 6 3              | 9 2                | 9 39              | 7 39             | 3 34 | 21      |
| 10                                                      | 1                | 40              | 6 11             | 9 6                | 9 37              | 7 33             | 3 23 | 20      |
| 11                                                      | 1                | 50              | 6 18             | 9 9                | 9 36              | 7 26             | 3 13 | 19      |
| 12                                                      | 2                | 0               | 6 26             | 9 13               | 9 34              | 7 19             | 3 4  | 18      |
| 13                                                      | 2                | 9               | 6 34             | 9 16               | 9 32              | 7 12             | 2 54 | 17      |
| 14                                                      | 2                | 19              | 6 41             | 9 19               | 9 29              | 7 5              | 2 44 | 16      |
| 15                                                      | 2                | 29              | 6 48             | 9 22               | 9 27              | 6 58             | 2 34 | 15      |
| 16                                                      | 2                | 39              | 6 55             | 9 25               | 9 24              | 6 51             | 2 24 | 14      |
| 17                                                      | 2                | 48              | 7 2              | 9 28               | 9 22              | 6 44             | 2 14 | 13      |
| 18                                                      | 2                | 58              | 7 9              | 9 30               | 9 19              | 6 36             | 2 4  | 12      |
| 19                                                      | 3                | 7               | 7 16             | 9 32               | 9 16              | 6 29             | 1 53 | 11      |
| 20                                                      | 3                | 17              | 7 23             | 9 34               | 9 12              | 6 21             | 1 43 | 10      |
| 21                                                      | 3                | 26              | 7 29             | 9 36               | 9 9               | 6 13             | 1 33 | 9       |
| 22                                                      | 3                | 36              | 7 36             | 9 37               | 9 5               | 6 5              | 1 23 | 8       |
| 23                                                      | 3                | 45              | 7 42             | 9 39               | 9 2               | 5 57             | 1 12 | 7       |
| 24                                                      | 3                | 54              | 7 48             | 9 40               | 8 58              | 5 48             | 1 2  | 6       |
| 25                                                      | 4                | 3               | 7 54             | 9 41               | 8 53              | 5 40             | 0 52 | 5       |
| 26                                                      | 4                | 12              | 8 0              | 9 42               | 8 48              | 5 31             | 0 41 | 4       |
| 27                                                      | 4                | 21              | 8 6              | 9 43               | 8 44              | 5 23             | 0 31 | 3       |
| 28                                                      | 4                | 30              | 8 11             | 9 44               | 8 40              | 5 14             | 0 21 | 2       |
| 29                                                      | 4                | 39              | 8 17             | 9 44               | 8 35              | 5 6              | 0 11 | 1       |
| 30                                                      | 4                | 48              | 8 22             | 9 44               | 8 30              | 4 57             | 0 0  | 0       |
|                                                         | XI <sup>f.</sup> | X <sup>f.</sup> | IX <sup>f.</sup> | VIII <sup>f.</sup> | VII <sup>f.</sup> | VI <sup>f.</sup> |      | Degrés. |
| Equation à soustraire de la longit. moyenne de la Lune. |                  |                 |                  |                    |                   |                  |      |         |

TABLE XV.  
DE LA II.<sup>de</sup> EQUAT.  
SOLAIRE.

| Distance du Soleil à l'Apogée de la Lune. | DISTANCE DU SOLEIL A L'APOG. DE LA LUNE. |                   |                    |                   |                  |                  |                                           |
|-------------------------------------------|------------------------------------------|-------------------|--------------------|-------------------|------------------|------------------|-------------------------------------------|
|                                           | Equation à soustraire.                   |                   |                    |                   |                  |                  |                                           |
|                                           | 0 <sup>f.</sup>                          | I <sup>f.</sup>   | II <sup>f.</sup>   | III <sup>f.</sup> | IV <sup>f.</sup> | V <sup>f.</sup>  |                                           |
|                                           | VI <sup>f.</sup>                         | VII <sup>f.</sup> | VIII <sup>f.</sup> | IX <sup>f.</sup>  | X <sup>f.</sup>  | XI <sup>f.</sup> |                                           |
| Deg.                                      | M. S.                                    | M. S.             | M. S.              | M. S.             | M. S.            | M. S.            |                                           |
| 0                                         | 0                                        | 0                 | 3 28               | 3 28              | 3 28             | 3 0              |                                           |
| 1                                         | 0                                        | 8                 | 3 32               | 3 23              | 3 29             | 2 59             |                                           |
| 2                                         | 0                                        | 17                | 3 36               | 3 19              | 3 28             | 2 58             |                                           |
| 3                                         | 0                                        | 25                | 3 39               | 3 14              | 3 27             | 2 57             |                                           |
| 4                                         | 0                                        | 33                | 3 42               | 3 9               | 3 26             | 2 56             |                                           |
| 5                                         | 0                                        | 42                | 3 45               | 3 4               | 3 25             | 2 55             |                                           |
| 6                                         | 0                                        | 50                | 3 48               | 2 58              | 3 24             | 2 54             |                                           |
| 7                                         | 0                                        | 58                | 3 51               | 2 53              | 3 23             | 2 53             |                                           |
| 8                                         | 1                                        | 6                 | 3 53               | 2 47              | 3 22             | 2 52             |                                           |
| 9                                         | 1                                        | 14                | 3 55               | 2 41              | 3 21             | 2 51             |                                           |
| 10                                        | 1                                        | 22                | 3 56               | 2 34              | 3 20             | 2 50             |                                           |
| 11                                        | 1                                        | 30                | 3 57               | 2 27              | 3 19             | 2 49             |                                           |
| 12                                        | 1                                        | 38                | 3 58               | 2 21              | 3 18             | 2 48             |                                           |
| 13                                        | 1                                        | 45                | 3 59               | 2 14              | 3 17             | 2 47             |                                           |
| 14                                        | 1                                        | 53                | 4 0                | 2 7               | 3 16             | 2 46             |                                           |
| 15                                        | 2                                        | 0                 | 4 0                | 2 0               | 3 15             | 2 45             |                                           |
| 16                                        | 2                                        | 7                 | 4 0                | 1 53              | 3 14             | 2 44             |                                           |
| 17                                        | 2                                        | 14                | 3 59               | 1 45              | 3 13             | 2 43             |                                           |
| 18                                        | 2                                        | 21                | 3 58               | 1 38              | 3 12             | 2 42             |                                           |
| 19                                        | 2                                        | 27                | 3 57               | 1 30              | 3 11             | 2 41             |                                           |
| 20                                        | 2                                        | 34                | 3 56               | 1 22              | 3 10             | 2 40             |                                           |
| 21                                        | 2                                        | 41                | 3 55               | 1 14              | 3 9              | 2 39             |                                           |
| 22                                        | 2                                        | 47                | 3 53               | 1 6               | 3 8              | 2 38             |                                           |
| 23                                        | 2                                        | 53                | 3 51               | 0 58              | 3 7              | 2 37             |                                           |
| 24                                        | 2                                        | 58                | 3 48               | 0 50              | 3 6              | 2 36             |                                           |
| 25                                        | 3                                        | 4                 | 3 45               | 0 42              | 3 5              | 2 35             |                                           |
| 26                                        | 3                                        | 9                 | 3 42               | 0 33              | 3 4              | 2 34             |                                           |
| 27                                        | 3                                        | 14                | 3 39               | 0 25              | 3 3              | 2 33             |                                           |
| 28                                        | 3                                        | 19                | 3 36               | 0 17              | 3 2              | 2 32             |                                           |
| 29                                        | 3                                        | 23                | 3 32               | 0 8               | 3 1              | 2 31             |                                           |
| 30                                        | 3                                        | 28                | 3 28               | 0 0               | 3 0              | 2 30             |                                           |
|                                           | V <sup>f.</sup>                          | IV <sup>f.</sup>  | III <sup>f.</sup>  | II <sup>f.</sup>  | I <sup>f.</sup>  |                  | Distance du Soleil à l'Apogée de la Lune. |
| Equation à ajouter.                       |                                          |                   |                    |                   |                  |                  |                                           |



T A B L E X V I .  
DE LA PREMIERE INEGALITE DE LA LUNE.

ANOMALIE MOYENNE DE LA LUNE.

|      |      |      |      |       |  |      |      |      |       | O. Signe.                                      | I. Signe. |      |      |       | II. Signes. |  |  |  |    |  |
|------|------|------|------|-------|--|------|------|------|-------|------------------------------------------------|-----------|------|------|-------|-------------|--|--|--|----|--|
|      |      |      |      |       |  |      |      |      |       | Equation à soustraire de la Longitude moyenne. |           |      |      |       |             |  |  |  |    |  |
| Deg. | Deg. | Min. | Sec. | Diff. |  | Deg. | Min. | Sec. | Diff. |                                                | Deg.      | Min. | Sec. | Diff. |             |  |  |  |    |  |
| 0    | 0    | 0    | 0    | M. S. |  | 2    | 22   | 35   | M. S. |                                                | 4         | 11   | 37   | M. S. |             |  |  |  | 30 |  |
| 1    | 0    | 4    | 57   | 4 57  |  | 2    | 26   | 56   | 4 21  |                                                | 4         | 14   | 18   | 2 41  |             |  |  |  | 29 |  |
| 2    | 0    | 9    | 53   | 4 56  |  | 2    | 31   | 15   | 4 19  |                                                | 4         | 16   | 56   | 2 38  |             |  |  |  | 28 |  |
| 3    | 0    | 14   | 49   | 4 56  |  | 2    | 35   | 31   | 4 16  |                                                | 4         | 19   | 28   | 2 34  |             |  |  |  | 27 |  |
| 4    | 0    | 19   | 45   | 4 56  |  | 2    | 39   | 45   | 4 14  |                                                | 4         | 21   | 56   | 2 28  |             |  |  |  | 26 |  |
| 5    | 0    | 24   | 41   | 4 56  |  | 2    | 43   | 57   | 4 12  |                                                | 4         | 24   | 21   | 2 25  |             |  |  |  | 25 |  |
| 6    | 0    | 29   | 37   | 4 56  |  | 2    | 48   | 6    | 4 9   |                                                | 4         | 26   | 41   | 2 20  |             |  |  |  | 24 |  |
| 7    | 0    | 34   | 33   | 4 56  |  | 2    | 51   | 12   | 4 6   |                                                | 4         | 28   | 57   | 2 16  |             |  |  |  | 23 |  |
| 8    | 0    | 39   | 28   | 4 55  |  | 2    | 56   | 15   | 4 3   |                                                | 4         | 31   | 8    | 2 11  |             |  |  |  | 22 |  |
| 9    | 0    | 44   | 22   | 4 54  |  | 3    | 0    | 16   | 4 1   |                                                | 4         | 33   | 14   | 2 6   |             |  |  |  | 21 |  |
| 10   | 0    | 49   | 15   | 4 53  |  | 3    | 34   | 14   | 3 58  |                                                | 4         | 35   | 15   | 2 1   |             |  |  |  | 20 |  |
| 11   | 0    | 54   | 7    | 4 52  |  | 3    | 8    | 8    | 3 54  |                                                | 4         | 37   | 11   | 1 56  |             |  |  |  | 19 |  |
| 12   | 0    | 58   | 58   | 4 51  |  | 3    | 12   | 0    | 3 52  |                                                | 4         | 39   | 3    | 1 52  |             |  |  |  | 18 |  |
| 13   | 1    | 3    | 48   | 4 50  |  | 3    | 15   | 48   | 3 48  |                                                | 4         | 40   | 51   | 1 48  |             |  |  |  | 17 |  |
| 14   | 1    | 8    | 38   | 4 50  |  | 3    | 19   | 33   | 3 45  |                                                | 4         | 42   | 33   | 1 42  |             |  |  |  | 16 |  |
| 15   | 1    | 13   | 27   | 4 49  |  | 3    | 23   | 16   | 3 43  |                                                | 4         | 44   | 11   | 1 38  |             |  |  |  | 15 |  |
| 16   | 1    | 18   | 15   | 4 48  |  | 3    | 26   | 56   | 3 40  |                                                | 4         | 45   | 44   | 1 33  |             |  |  |  | 14 |  |
| 17   | 1    | 23   | 1    | 4 46  |  | 3    | 30   | 31   | 3 35  |                                                | 4         | 47   | 12   | 1 28  |             |  |  |  | 13 |  |
| 18   | 1    | 27   | 46   | 4 45  |  | 3    | 34   | 3    | 3 32  |                                                | 4         | 48   | 34   | 1 22  |             |  |  |  | 12 |  |
| 19   | 1    | 32   | 29   | 4 43  |  | 3    | 37   | 32   | 3 29  |                                                | 4         | 49   | 51   | 1 17  |             |  |  |  | 11 |  |
| 20   | 1    | 37   | 11   | 4 42  |  | 3    | 40   | 57   | 3 25  |                                                | 4         | 51   | 3    | 1 12  |             |  |  |  | 10 |  |
| 21   | 1    | 41   | 52   | 4 41  |  | 3    | 44   | 19   | 3 22  |                                                | 4         | 52   | 11   | 1 8   |             |  |  |  | 9  |  |
| 22   | 1    | 46   | 31   | 4 39  |  | 3    | 47   | 38   | 3 19  |                                                | 4         | 53   | 14   | 1 3   |             |  |  |  | 8  |  |
| 23   | 1    | 51   | 9    | 4 38  |  | 3    | 50   | 52   | 3 14  |                                                | 4         | 54   | 10   | 0 56  |             |  |  |  | 7  |  |
| 24   | 1    | 55   | 45   | 4 36  |  | 3    | 54   | 1    | 3 9   |                                                | 4         | 55   | 0    | 0 50  |             |  |  |  | 6  |  |
| 25   | 2    | 0    | 18   | 4 33  |  | 3    | 57   | 6    | 3 5   |                                                | 4         | 55   | 46   | 0 46  |             |  |  |  | 5  |  |
| 26   | 2    | 4    | 50   | 4 32  |  | 4    | 0    | 9    | 3 3   |                                                | 4         | 56   | 27   | 0 41  |             |  |  |  | 4  |  |
| 27   | 2    | 9    | 20   | 4 30  |  | 4    | 3    | 7    | 2 58  |                                                | 4         | 57   | 2    | 0 35  |             |  |  |  | 3  |  |
| 28   | 2    | 13   | 47   | 4 27  |  | 4    | 6    | 1    | 2 54  |                                                | 4         | 57   | 33   | 0 31  |             |  |  |  | 2  |  |
| 29   | 2    | 18   | 12   | 4 25  |  | 4    | 8    | 51   | 2 50  |                                                | 4         | 57   | 58   | 0 25  |             |  |  |  | 1  |  |
| 30   | 2    | 22   | 35   | 4 23  |  | 4    | 11   | 37   | 2 46  |                                                | 4         | 58   | 18   | 0 20  |             |  |  |  | 0  |  |

Equation à adjoûter à la Longitude moyenne.

Deg.

XI. Signes.

X. Signes.

IX. Signes.

ANOMALIE MOYENNE DE LA LUNE.

TABLE XVI.  
DE LA PREMIERE INEGALITE DE LA LUNE.

ANOMALIE MOYENNE DE LA LUNE.

| III. Signes.                                   |      |      |      |              | IV. Signes.  |      |      |              |      | V. Signes.  |      |              |  |      |
|------------------------------------------------|------|------|------|--------------|--------------|------|------|--------------|------|-------------|------|--------------|--|------|
| Equation à soustraire de la Longitude moyenne. |      |      |      |              |              |      |      |              |      |             |      |              |  |      |
| Deg.                                           | Deg. | Min. | Sec. | Diff.        | Deg.         | Min. | Sec. | Diff.        | Deg. | Min.        | Sec. | Diff.        |  |      |
| 0                                              | 4    | 58   | 20   | <i>M. S.</i> | 4            | 25   | 35   | <i>M. S.</i> | 2    | 36          | 37   | <i>M. S.</i> |  | 30   |
| 1                                              | 4    | 58   | 33   | 0 13         | 4            | 23   | 8    | 2 27         | 2    | 31          | 58   | 4 39         |  | 29   |
| 2                                              | 4    | 58   | 41   | 0 8          | 4            | 20   | 32   | 2 36         | 2    | 27          | 14   | 4 44         |  | 28   |
| 3                                              | 4    | 58   | 44   | 0 3          | 4            | 17   | 52   | 2 40         | 2    | 22          | 26   | 4 48         |  | 27   |
| 4                                              | 4    | 58   | 42   | 0 2          | 4            | 15   | 6    | 2 46         | 2    | 17          | 35   | 4 51         |  | 26   |
| 5                                              | 4    | 58   | 37   | 0 5          | 4            | 12   | 16   | 2 50         | 2    | 12          | 41   | 4 54         |  | 25   |
| 6                                              | 4    | 58   | 27   | 0 10         | 4            | 9    | 21   | 2 55         | 2    | 7           | 45   | 4 56         |  | 24   |
| 7                                              | 4    | 58   | 10   | 0 17         | 4            | 6    | 21   | 3 0          | 2    | 2           | 47   | 4 58         |  | 23   |
| 8                                              | 4    | 57   | 42   | 0 28         | 4            | 3    | 16   | 3 5          | 1    | 57          | 47   | 5 0          |  | 22   |
| 9                                              | 4    | 57   | 10   | 0 32         | 4            | 0    | 6    | 3 10         | 1    | 52          | 43   | 5 4          |  | 21   |
| 10                                             | 4    | 56   | 34   | 0 36         | 3            | 56   | 52   | 3 14         | 1    | 47          | 37   | 5 6          |  | 20   |
| 11                                             | 4    | 55   | 53   | 0 41         | 3            | 53   | 32   | 3 20         | 1    | 42          | 28   | 5 9          |  | 19   |
| 12                                             | 4    | 55   | 7    | 0 46         | 3            | 50   | 7    | 3 25         | 1    | 37          | 17   | 5 11         |  | 18   |
| 13                                             | 4    | 54   | 16   | 0 51         | 3            | 46   | 38   | 3 29         | 1    | 32          | 4    | 5 13         |  | 17   |
| 14                                             | 4    | 53   | 18   | 0 58         | 3            | 43   | 3    | 3 35         | 1    | 26          | 50   | 5 14         |  | 16   |
| 15                                             | 4    | 52   | 12   | 1 6          | 3            | 39   | 24   | 3 39         | 1    | 21          | 33   | 5 17         |  | 15   |
| 16                                             | 4    | 51   | 1    | 1 11         | 3            | 35   | 42   | 3 42         | 1    | 16          | 15   | 5 18         |  | 14   |
| 17                                             | 4    | 49   | 46   | 1 15         | 3            | 31   | 56   | 3 46         | 1    | 10          | 55   | 5 20         |  | 13   |
| 18                                             | 4    | 48   | 29   | 1 17         | 3            | 28   | 5    | 3 51         | 1    | 5           | 34   | 5 21         |  | 12   |
| 19                                             | 4    | 47   | 7    | 1 22         | 3            | 24   | 10   | 3 55         | 1    | 0           | 12   | 5 22         |  | 11   |
| 20                                             | 4    | 45   | 38   | 1 29         | 3            | 20   | 12   | 3 58         | 0    | 54          | 48   | 5 24         |  | 10   |
| 21                                             | 4    | 44   | 2    | 1 36         | 3            | 16   | 8    | 4 4          | 0    | 49          | 23   | 5 25         |  | 9    |
| 22                                             | 4    | 42   | 21   | 1 41         | 3            | 12   | 0    | 4 8          | 0    | 43          | 56   | 5 27         |  | 8    |
| 23                                             | 4    | 40   | 34   | 1 47         | 3            | 7    | 48   | 4 12         | 0    | 38          | 28   | 5 28         |  | 7    |
| 24                                             | 4    | 38   | 42   | 1 52         | 3            | 3    | 31   | 4 17         | 0    | 33          | 0    | 5 28         |  | 6    |
| 25                                             | 4    | 36   | 45   | 1 57         | 2            | 59   | 10   | 4 21         | 0    | 27          | 31   | 5 29         |  | 5    |
| 26                                             | 4    | 34   | 41   | 2 4          | 2            | 54   | 46   | 4 24         | 0    | 22          | 2    | 5 29         |  | 4    |
| 27                                             | 4    | 32   | 32   | 2 9          | 2            | 50   | 19   | 4 27         | 0    | 16          | 32   | 5 30         |  | 3    |
| 28                                             | 4    | 30   | 19   | 2 13         | 2            | 45   | 48   | 4 31         | 0    | 11          | 2    | 5 30         |  | 2    |
| 29                                             | 4    | 28   | 0    | 2 19         | 2            | 41   | 14   | 4 34         | 0    | 5           | 31   | 5 31         |  | 1    |
| 30                                             | 4    | 25   | 35   | 2 25         | 2            | 36   | 37   | 4 37         | 0    | 0           | 0    | 5 31         |  | 0    |
| Equation à ajouter à la Longitude moyenne.     |      |      |      |              |              |      |      |              |      |             |      |              |  | Deg. |
| VIII. Signes.                                  |      |      |      |              | VII. Signes. |      |      |              |      | VI. Signes. |      |              |  |      |
| ANOMALIE MOYENNE DE LA LUNE.                   |      |      |      |              |              |      |      |              |      |             |      |              |  |      |

# TABLE XVII.

## DE LA DERNIERE INEGALITE DE LA LUNE.

|                             |                                | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |                   |                   |                   |                    |                    |                    |                     |                     |                  |        |       |  |
|-----------------------------|--------------------------------|-------------------------------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|---------------------|---------------------|------------------|--------|-------|--|
|                             |                                | Sign. Deg. VI. 0                          | Sign. Deg. VI. 10 | Sign. Deg. VI. 20 | Sign. Deg. VII. 0 | Sign. Deg. VII. 10 | Sign. Deg. VII. 20 | Sign. Deg. VIII. 0 | Sign. Deg. VIII. 10 | Sign. Deg. VIII. 20 | Sign. Deg. IX. 0 |        |       |  |
| Distance de la C au Soleil. | Distance de la Lune au Soleil. | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |                   |                   |                   |                    |                    |                    |                     |                     |                  |        |       |  |
|                             |                                | O. 0                                      | O. 10             | O. 20             | I. 0              | I. 10              | I. 20              | II. 0              | II. 10              | II. 20              | III. 0           |        |       |  |
| Sign. D.                    | Sign. D.                       | M. S.                                     | M. S.             | M. S.             | M. S.             | M. S.              | M. S.              | M. S.              | M. S.               | M. S.               | M. S.            | M. S.  |       |  |
| VI. 0                       | O. 0                           | Equ. Souff.                               | Souffract.        | Souffract.        | Souffract.        | Souffract.         | Souffract.         | Souffract.         | Additive.           | Additive.           | Addit.           | XII. 0 | VI. 0 |  |
| 1                           | 1                              | 0 0                                       | 0 0               | 0 0               | 0 0               | 0 0                | 0 0                | 0 0                | 0 0                 | 0 0                 | 0 0              | 12 0   | 6 0   |  |
| 2                           | 2                              | 1 19                                      | 1 17              | 1 11              | 1 0               | 0 45               | 0 28               | 0 6                | 0 18                | 0 44                | 1 12             | 29     | 29    |  |
| 3                           | 3                              | 2 38                                      | 2 34              | 2 22              | 2 1               | 1 31               | 0 56               | 0 14               | 0 34                | 1 27                | 2 22             | 28     | 28    |  |
| 4                           | 4                              | 3 57                                      | 3 51              | 3 33              | 3 2               | 2 18               | 1 24               | 0 22               | 0 51                | 2 10                | 3 33             | 27     | 27    |  |
| 5                           | 5                              | 4 56                                      | 4 48              | 4 24              | 4 3               | 3 4                | 1 52               | 0 28               | 1 8                 | 2 54                | 4 44             | 26     | 26    |  |
| 6                           | 6                              | 5 55                                      | 5 45              | 5 15              | 5 4               | 4 3                | 2 21               | 0 35               | 1 25                | 3 37                | 5 54             | 25     | 25    |  |
| 7                           | 7                              | 6 54                                      | 6 43              | 6 7               | 6 6               | 5 38               | 2 50               | 0 44               | 1 41                | 4 19                | 7 4              | 24     | 24    |  |
| 8                           | 8                              | 7 53                                      | 7 41              | 7 19              | 7 8               | 6 26               | 3 20               | 0 53               | 2 11                | 5 1                 | 8 13             | 23     | 23    |  |
| 9                           | 9                              | 8 52                                      | 8 39              | 8 31              | 8 10              | 7 14               | 3 50               | 1 2                | 2 11                | 5 42                | 9 22             | 22     | 22    |  |
| 10                          | 10                             | 9 51                                      | 9 38              | 9 43              | 9 12              | 8 3                | 4 21               | 1 11               | 2 25                | 6 22                | 10 30            | 21     | 21    |  |
| 11                          | 11                             | 10 50                                     | 10 38             | 10 56             | 10 15             | 9 52               | 4 53               | 1 22               | 2 38                | 7 2                 | 11 37            | 20     | 20    |  |
| 12                          | 12                             | 11 49                                     | 11 38             | 11 56             | 11 18             | 10 42              | 5 25               | 1 33               | 2 51                | 7 41                | 12 43            | 19     | 19    |  |
| 13                          | 13                             | 12 48                                     | 12 38             | 12 56             | 12 22             | 11 32              | 6 30               | 1 45               | 3 3                 | 8 19                | 13 48            | 18     | 18    |  |
| 14                          | 14                             | 13 47                                     | 13 38             | 13 56             | 13 27             | 12 23              | 7 4                | 2 10               | 3 15                | 9 55                | 14 52            | 17     | 17    |  |
| 15                          | 15                             | 14 46                                     | 14 38             | 14 56             | 14 32             | 13 14              | 8 14               | 2 23               | 3 25                | 10 56               | 15 56            | 16     | 16    |  |
| 16                          | 16                             | 15 45                                     | 15 38             | 15 56             | 15 38             | 14 7               | 9 23               | 2 35               | 3 35                | 11 59               | 16 58            | 15     | 15    |  |
| 17                          | 17                             | 16 44                                     | 16 38             | 16 56             | 16 45             | 15 0               | 10 32              | 2 47               | 3 43                | 12 59               | 17 59            | 14     | 14    |  |
| 18                          | 18                             | 17 43                                     | 17 38             | 17 56             | 17 53             | 16 54              | 11 40              | 2 59               | 3 51                | 13 59               | 18 59            | 13     | 13    |  |
| 19                          | 19                             | 18 42                                     | 18 38             | 18 56             | 18 52             | 17 49              | 12 49              | 3 11               | 3 57                | 14 59               | 19 57            | 12     | 12    |  |
| 20                          | 20                             | 19 41                                     | 19 38             | 19 56             | 19 52             | 18 58              | 13 58              | 3 23               | 4 3                 | 15 59               | 20 53            | 11     | 11    |  |
| 21                          | 21                             | 20 40                                     | 20 38             | 20 56             | 20 52             | 19 67              | 14 67              | 3 35               | 4 6                 | 16 59               | 21 48            | 10     | 10    |  |
| 22                          | 22                             | 21 39                                     | 21 38             | 21 56             | 21 52             | 20 76              | 15 76              | 3 47               | 4 8                 | 17 59               | 22 41            | 9      | 9     |  |
| 23                          | 23                             | 22 38                                     | 22 38             | 22 56             | 22 52             | 21 85              | 16 85              | 3 59               | 4 8                 | 18 59               | 23 32            | 8      | 8     |  |
| 24                          | 24                             | 23 37                                     | 23 38             | 23 56             | 23 52             | 22 94              | 17 94              | 4 11               | 4 7                 | 19 59               | 24 22            | 7      | 7     |  |
| 25                          | 25                             | 24 36                                     | 24 38             | 24 56             | 24 52             | 23 103             | 18 103             | 4 23               | 4 5                 | 20 59               | 25 10            | 6      | 6     |  |
| 26                          | 26                             | 25 35                                     | 25 38             | 25 56             | 25 52             | 24 112             | 19 112             | 4 35               | 4 1                 | 21 59               | 25 56            | 5      | 5     |  |
| 27                          | 27                             | 26 34                                     | 26 38             | 26 56             | 26 52             | 25 121             | 20 121             | 4 47               | 3 56                | 22 59               | 26 40            | 4      | 4     |  |
| 28                          | 28                             | 27 33                                     | 27 38             | 27 56             | 27 52             | 26 130             | 21 130             | 4 59               | 3 49                | 23 59               | 27 22            | 3      | 3     |  |
| 29                          | 29                             | 28 32                                     | 28 38             | 28 56             | 28 52             | 27 139             | 22 139             | 5 11               | 3 41                | 24 59               | 28 2             | 2      | 2     |  |
| 30                          | 30                             | 29 31                                     | 29 38             | 29 56             | 29 52             | 28 148             | 23 148             | 5 23               | 3 30                | 25 59               | 28 40            | 1      | 1     |  |
| 31                          | 31                             | 30 30                                     | 30 38             | 30 56             | 30 52             | 29 157             | 24 157             | 5 35               | 3 16                | 26 59               | 29 16            | XI. 0  | V. 0  |  |
| 32                          | 32                             | 31 29                                     | 31 38             | 31 56             | 31 52             | 30 166             | 25 166             | 5 47               | Souffract.          | Souffract.          | Souffract.       |        |       |  |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

VI. 0 V. 20 V. 10 V. 0 IV. 20 IV. 10 IV. 0 III. 20 III. 10 III. 0

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.



TABLE XVII.  
DE LA DERNIERE INEGALITE DE LA LUNE.

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

Sign. Deg. Sign. Deg. Sign. Deg. Sign. Deg. Sign. Deg. Sign. Deg. Sign. Deg. Sign. Deg. S. D.  
VI. 0 VI. 10 VI. 20 VII. 0 VII. 10 VII. 20 VIII. 0 VIII. 10 VIII. 20 IX. 0

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

| Sign. D. | Sign. D. | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |            |            |            |            |            |           |                    |            |           |           |           | Sign. D.                       | Sign. D.                    |
|----------|----------|-------------------------------------------|------------|------------|------------|------------|------------|-----------|--------------------|------------|-----------|-----------|-----------|--------------------------------|-----------------------------|
|          |          | O. 0                                      | O. 10      | O. 20      | I. 0       | I. 10      | I. 20      | II. 0     | II. 10             | II. 20     | III. 0    | III. 10   | III. 20   |                                |                             |
|          |          | D. M. S.                                  | D. M. S.   | D. M. S.   | D. M. S.   | D. M. S.   | M. S.      | M. S.     | M. S.              | M. S.      | M. S.     | M. S.     | M. S.     |                                |                             |
|          |          | Soustract.                                | Soustract. | Soustract. | Soustract. | Soustract. | Soustract. | Additive. | Additive.          | Additive.  | Additive. | Additive. | Additive. |                                |                             |
| VII. 0   | I. 0     | 0 42 27                                   | 0 41 40    | 0 38 52    | 0 34 0     | 0 27 9     | 18 34      | 8 18      | 3 16.              | 15 58      | 29 16     |           |           | XI. 0                          | V. 0                        |
| 1        | 1        | 0 44 2                                    | 0 43 14    | 0 40 22    | 0 35 21    | 0 28 18    | 19 29      | 8 53      | 3 2                | 16 8       | 29 50     |           |           | 29                             | 29                          |
| 2        | 2        | 0 45 38                                   | 0 44 50    | 0 41 53    | 0 36 43    | 0 29 29    | 20 24      | 9 28      | 2 48               | 16 15      | 30 22     |           |           | 28                             | 28                          |
| 3        | 3        | 0 47 15                                   | 0 46 27    | 0 43 24    | 0 38 6     | 0 30 41    | 21 20      | 10 5      | 2 32               | 16 21      | 30 52     |           |           | 27                             | 27                          |
| 4        | 4        | 0 48 53                                   | 0 48 5     | 0 44 56    | 0 39 31    | 0 31 54    | 22 16      | 10 44     | 2 13               | 16 25      | 31 19     |           |           | 26                             | 26                          |
| 5        | 5        | 0 50 31                                   | 0 49 43    | 0 46 29    | 0 40 57    | 0 33 8     | 23 14      | 11 24     | 1 52               | 16 26      | 31 43     |           |           | 25                             | 25                          |
| 6        | 6        | 0 52 10                                   | 0 51 21    | 0 48 3     | 0 42 23    | 0 34 23    | 24 14      | 12 7      | 1 30               | 16 26      | 32 5      |           |           | 24                             | 24                          |
| 7        | 7        | 0 53 51                                   | 0 53 1     | 0 49 39    | 0 43 50    | 0 35 40    | 25 16      | 12 52     | 1 7                | 16 23      | 32 25     |           |           | 23                             | 23                          |
| 8        | 8        | 0 55 32                                   | 0 54 41    | 0 51 16    | 0 45 18    | 0 36 57    | 26 19      | 13 37     | 0 42               | 16 18      | 32 43     |           |           | 22                             | 22                          |
| 9        | 9        | 0 57 15                                   | 0 56 23    | 0 52 55    | 0 46 48    | 0 38 15    | 27 21      | 14 23     | 0 14               | 16 12      | 32 58     |           |           | 21                             | 21                          |
| 10       | 10       | 0 59 0                                    | 0 58 6     | 0 54 37    | 0 48 19    | 0 39 35    | 28 26      | 15 12     | Soustract.<br>0 15 | 16 3       | 33 10     |           |           | 20                             | 20                          |
| 11       | 11       | 1 0 46                                    | 0 59 51    | 0 56 18    | 0 49 52    | 0 40 57    | 29 34      | 16 3      | 0 46               | 15 53      | 33 21     |           |           | 19                             | 19                          |
| 12       | 12       | 1 2 32                                    | 1 1 36     | 0 57 57    | 0 51 24    | 0 42 18    | 30 42      | 16 54     | 1 18               | 15 41      | 33 30     |           |           | 18                             | 18                          |
| 13       | 13       | 1 4 20                                    | 1 3 22     | 0 59 37    | 0 52 58    | 0 43 41    | 31 51      | 17 47     | 1 52               | 15 26      | 33 36     |           |           | 17                             | 17                          |
| 14       | 14       | 1 6 8                                     | 1 5 9      | 1 1 18     | 0 54 33    | 0 45 6     | 33 2       | 18 43     | 2 28               | 15 9       | 33 39     |           |           | 16                             | 16                          |
| 15       | 15       | 1 7 56                                    | 1 6 56     | 1 2 59     | 0 56 9     | 0 46 32    | 34 15      | 19 41     | 3 7                | 14 49      | 33 39     |           |           | 15                             | 15                          |
| 16       | 16       | 1 9 44                                    | 1 8 43     | 1 4 42     | 0 57 45    | 0 47 59    | 35 30      | 20 40     | 3 49               | 14 26      | 33 36     |           |           | 14                             | 14                          |
| 17       | 17       | 1 11 33                                   | 1 10 31    | 1 6 27     | 0 59 23    | 0 49 27    | 36 45      | 21 40     | 4 33               | 14 1       | 33 31     |           |           | 13                             | 13                          |
| 18       | 18       | 1 13 23                                   | 1 12 21    | 1 8 13     | 1 1 3      | 0 50 56    | 38 2       | 22 41     | 5 18               | 13 35      | 33 25     |           |           | 12                             | 12                          |
| 19       | 19       | 1 15 12                                   | 1 14 11    | 1 10 0     | 1 2 43     | 0 52 25    | 39 18      | 23 42     | 6 4                | 13 7       | 33 16     |           |           | 11                             | 11                          |
| 20       | 20       | 1 17 1                                    | 1 16 0     | 1 11 49    | 1 4 24     | 0 53 54    | 40 34      | 24 44     | 6 51               | 12 37      | 33 5      |           |           | 10                             | 10                          |
| 21       | 21       | 1 18 50                                   | 1 17 49    | 1 13 35    | 1 6 5      | 0 55 24    | 41 51      | 25 48     | 7 41               | 12 5       | 32 51     |           |           | 9                              | 9                           |
| 22       | 22       | 1 20 40                                   | 1 19 39    | 1 15 22    | 1 7 46     | 0 56 56    | 43 10      | 26 54     | 8 31               | 11 30      | 32 34     |           |           | 8                              | 8                           |
| 23       | 23       | 1 22 31                                   | 1 21 31    | 1 17 11    | 1 9 27     | 0 58 30    | 44 31      | 28 2      | 9 24               | 10 55      | 32 15     |           |           | 7                              | 7                           |
| 24       | 24       | 1 24 23                                   | 1 23 23    | 1 18 59    | 1 11 9     | 1 0 3      | 45 54      | 29 11     | 10 19              | 10 17      | 31 54     |           |           | 6                              | 6                           |
| 25       | 25       | 1 26 15                                   | 1 25 15    | 1 20 47    | 1 12 52    | 1 1 38     | 47 17      | 30 21     | 11 15              | 9 36       | 31 30     |           |           | 5                              | 5                           |
| 26       | 26       | 1 28 8                                    | 1 27 8     | 1 22 37    | 1 14 35    | 1 3 13     | 48 42      | 31 33     | 12 12              | 8 54       | 31 4      |           |           | 4                              | 4                           |
| 27       | 27       | 1 30 1                                    | 1 29 1     | 1 24 27    | 1 16 18    | 1 4 50     | 50 8       | 32 45     | 13 10              | 8 11       | 30 36     |           |           | 3                              | 3                           |
| 28       | 28       | 1 31 55                                   | 1 30 55    | 1 26 17    | 1 18 2     | 1 6 26     | 51 34      | 33 59     | 14 10              | 7 26       | 30 6      |           |           | 2                              | 2                           |
| 29       | 29       | 1 33 50                                   | 1 32 50    | 1 28 9     | 1 19 47    | 1 8 2      | 53 2       | 35 13     | 15 10              | 6 40       | 29 34     |           |           | 1                              | 1                           |
| VIII. 0  | II. 0    | 1 35 46                                   | 1 34 46    | 1 30 2     | 1 21 33    | 1 9 38     | 54 30      | 36 29     | 16 11              | 5 53       | 29 0      |           |           | X. 0                           | IV. 0                       |
|          |          | Additive.                                 | Additive.  | Additive.  | Additive.  | Additive.  | Additive.  | Additive. | Additive.          | Soustract. | Soustr.   |           |           |                                |                             |
|          |          | Sign. D.                                  | Sign. D.   | Sign. D.   | Sign. D.   | Sign. D.   | Sign. D.   | Sign. D.  | Sign. D.           | Sign. D.   | S. D.     |           |           | Sign. D.                       | Sign. D.                    |
|          |          | XII. 0                                    | XI. 20     | XI. 10     | XI. 0      | X. 20      | X. 10      | X. 0      | IX. 20             | IX. 10     | IX. 0     |           |           | Distance de la Lune au Soleil. | Distance de la C au Soleil. |
|          |          | VI. 0                                     | V. 20      | V. 10      | V. 0       | IV. 20     | IV. 10     | IV. 0     | III. 20            | III. 10    | III. 0    |           |           |                                |                             |
|          |          | DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE. |            |            |            |            |            |           |                    |            |           |           |           |                                |                             |

TABLE XVII.  
DE LA DERNIERE INEGALITE DE LA LUNE.

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

Sign. Deg. S. D. S. D. S. D. S. D. S. D. S. D. S. D. S. D. S. D. S. D.  
VI. 0 VI. 10 VI. 20 VII. 0 VII. 10 VII. 20 VIII. 0 VIII. 10 VIII. 20 IX. 0

Distance de la C au Soleil.

Distance de la Lune au Soleil.

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

| Sign. D. | Sign. D. | O 0                 | O 10               | O 20              | I 0                | I 10              | I 20               | II 0               | II 10            | II 20          | III 0          |       |        |
|----------|----------|---------------------|--------------------|-------------------|--------------------|-------------------|--------------------|--------------------|------------------|----------------|----------------|-------|--------|
| Sign. D. | Sign. D. | D. M. S.            | D. M. S.           | D. M. S.          | D. M. S.           | D. M. S.          | D. M. S.           | D. M. S.           | D. M. S.         | M. S.          | M. S.          | M. S. | M. S.  |
| VIII. 0  | II. 0    | Equ. Soust. 1 35 46 | Soustract. 1 34 46 | Soustract. 1 30 2 | Soustract. 1 21 33 | Soustract. 1 9 38 | Soustract. 0 54 30 | Soustract. 0 36 29 | Soustract. 16 11 | Additive. 5 53 | Additive. 29 0 | X. 0  | IV. 0  |
| 1        | 1        | 1 37 40             | 1 36 40            | 1 31 53           | 1 23 18            | 1 11 16           | 0 55 58            | 0 37 46            | 17 14            | 5 4            | 28 24          | 29    | 29     |
| 2        | 2        | 1 39 34             | 1 38 34            | 1 33 43           | 1 25 3             | 1 12 54           | 0 57 26            | 0 39 3             | 18 17            | 4 13           | 27 45          | 28    | 28     |
| 3        | 3        | 1 41 28             | 1 40 28            | 1 35 32           | 1 26 48            | 1 14 32           | 0 58 55            | 0 40 21            | 19 23            | 3 21           | 27 4           | 27    | 27     |
| 4        | 4        | 1 43 22             | 1 42 22            | 1 37 22           | 1 28 33            | 1 16 11           | 1 0 24             | 0 41 40            | 20 30            | 2 26           | 26 22          | 26    | 26     |
| 5        | 5        | 1 45 15             | 1 44 15            | 1 39 12           | 1 30 19            | 1 17 51           | 1 1 54             | 0 43 0             | 21 38            | 1 30           | 25 37          | 25    | 25     |
| 6        | 6        | 1 47 9              | 1 46 8             | 1 41 1            | 1 32 4             | 1 19 30           | 1 3 24             | 0 44 20            | 22 46            | 0 33           | 24 51          | 24    | 24     |
| 7        | 7        | 1 49 1              | 1 47 59            | 1 42 51           | 1 33 50            | 1 21 10           | 1 4 55             | 0 45 40            | 23 55            | 0 26           | 24 3           | 23    | 23     |
| 8        | 8        | 1 50 52             | 1 49 49            | 1 44 39           | 1 35 35            | 1 22 49           | 1 6 25             | 0 47 1             | 25 6             | 1 26           | 23 12          | 22    | 22     |
| 9        | 9        | 1 52 42             | 1 51 39            | 1 46 28           | 1 37 19            | 1 24 27           | 1 7 55             | 0 48 23            | 26 18            | 2 28           | 22 20          | 21    | 21     |
| 10       | 10       | 1 54 33             | 1 53 29            | 1 48 17           | 1 39 4             | 1 26 5            | 1 9 26             | 0 49 46            | 27 32            | 3 31           | 21 27          | 20    | 20     |
| 11       | 11       | 1 56 23             | 1 55 19            | 1 50 7            | 1 40 49            | 1 27 43           | 1 10 58            | 0 51 8             | 28 46            | 4 35           | 20 34          | 19    | 19     |
| 12       | 12       | 1 58 12             | 1 57 8             | 1 51 55           | 1 42 34            | 1 29 20           | 1 12 29            | 0 52 30            | 30 0             | 5 40           | 19 37          | 18    | 18     |
| 13       | 13       | 2 0 1               | 1 58 57            | 1 53 41           | 1 44 18            | 1 30 57           | 1 14 0             | 0 53 53            | 31 15            | 6 46           | 18 39          | 17    | 17     |
| 14       | 14       | 2 1 50              | 2 0 46             | 1 55 27           | 1 46 1             | 1 32 34           | 1 15 32            | 0 55 16            | 32 31            | 7 54           | 17 40          | 16    | 16     |
| 15       | 15       | 2 3 38              | 2 2 34             | 1 57 13           | 1 47 43            | 1 34 11           | 1 17 3             | 0 56 39            | 33 47            | 9 2            | 16 40          | 15    | 15     |
| 16       | 16       | 2 5 25              | 2 4 21             | 1 58 58           | 1 49 26            | 1 35 46           | 1 18 33            | 0 58 3             | 35 2             | 10 11          | 15 39          | 14    | 14     |
| 17       | 17       | 2 7 10              | 2 6 6              | 2 0 41            | 1 51 5             | 1 37 21           | 1 20 2             | 0 59 26            | 36 18            | 11 20          | 14 37          | 13    | 13     |
| 18       | 18       | 2 8 54              | 2 7 50             | 2 2 22            | 1 52 42            | 1 38 56           | 1 21 31            | 1 0 50             | 37 35            | 12 30          | 13 34          | 12    | 12     |
| 19       | 19       | 2 10 36             | 2 9 31             | 2 4 2             | 1 54 18            | 1 40 30           | 1 22 59            | 1 2 12             | 38 51            | 13 40          | 12 30          | 11    | 11     |
| 20       | 20       | 2 12 16             | 2 11 10            | 2 5 40            | 1 55 52            | 1 42 2            | 1 24 26            | 1 3 33             | 40 8             | 14 50          | 11 24          | 10    | 10     |
| 21       | 21       | 2 13 55             | 2 12 48            | 2 7 16            | 1 57 25            | 1 43 32           | 1 25 52            | 1 4 54             | 41 24            | 16 1           | 10 18          | 9     | 9      |
| 22       | 22       | 2 15 32             | 2 14 24            | 2 8 51            | 1 58 58            | 1 45 1            | 1 27 16            | 1 6 15             | 42 41            | 17 12          | 9 11           | 8     | 8      |
| 23       | 23       | 2 17 8              | 2 15 59            | 2 10 26           | 2 0 30             | 1 46 30           | 1 28 39            | 1 7 34             | 43 55            | 18 23          | 8 4            | 7     | 7      |
| 24       | 24       | 2 18 41             | 2 1 31             | 2 11 58           | 2 2 0              | 1 47 57           | 1 30 2             | 1 8 52             | 45 9             | 19 35          | 6 56           | 6     | 6      |
| 25       | 25       | 2 20 12             | 2 19 2             | 2 13 29           | 2 3 28             | 1 49 23           | 1 31 23            | 1 10 10            | 46 23            | 20 46          | 5 47           | 5     | 5      |
| 26       | 26       | 2 21 41             | 2 20 30            | 2 14 58           | 2 4 55             | 1 50 46           | 1 32 44            | 1 11 27            | 47 37            | 21 58          | 4 38           | 4     | 4      |
| 27       | 27       | 2 23 9              | 2 21 57            | 2 16 25           | 2 6 20             | 1 52 8            | 1 34 4             | 1 12 43            | 48 50            | 23 9           | 3 29           | 3     | 3      |
| 28       | 28       | 2 24 35             | 2 23 23            | 2 17 49           | 2 7 43             | 1 53 28           | 1 35 21            | 1 13 59            | 50 2             | 24 20          | 2 20           | 2     | 2      |
| 29       | 29       | 2 25 59             | 2 24 45            | 2 19 12           | 2 9 3              | 1 54 46           | 1 36 37            | 1 15 13            | 51 14            | 25 30          | 1 10           | 1     | 1      |
| IX. 0    | III. 0   | 2 27 21             | 2 26 5             | 2 20 33           | 2 10 21            | 1 56 2            | 1 37 51            | 1 16 26            | 52 26            | 26 41          | 0 0            | IX. 0 | III. 0 |
|          |          | Equ. Add.           | Additive.          | Additive.         | Additive.          | Additive.         | Additive.          | Additive.          | Additive.        | Additive.      | Soustr.        |       |        |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

VI. 0 V. 20 V. 10 V. 0 IV. 20 IV. 10 IV. 0 III. 20 III. 10 III. 0

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

Sign. D. Distance de la Lune au Soleil.  
Sign. D. Distance de la C au Soleil.

TABLE XVII.  
DE LA DERNIERE INEGALITE DE LA LUNE.

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

|            |        |        |        |         |         |         |          |          |       |        |        |        |
|------------|--------|--------|--------|---------|---------|---------|----------|----------|-------|--------|--------|--------|
| Sign. Deg. | S. D.  | S. D.  | S. D.  | S. D.   | S. D.   | S. D.   | S. D.    | S. D.    | S. D. | S. D.  | S. D.  | S. D.  |
| VI. 0      | VI. 10 | VI. 20 | VII. 0 | VII. 10 | VII. 20 | VIII. 0 | VIII. 10 | VIII. 20 | IX. 0 | IX. 10 | IX. 20 | IX. 30 |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

| Sign. D. | S. D.  | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |           |           |           |           |           |           |           |           |           |       | IX. 0 | III. 0  |        |
|----------|--------|-------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-------|---------|--------|
|          |        | O. 0                                      | O. 10     | O. 20     | I. 0      | I. 10     | I. 20     | II. 0     | II. 10    | II. 20    | III. 0    |       |       |         |        |
|          |        | Equ. Soult.                               | Soustr.   | Soustr.   | Soustr.   | Soustr.   | Soustr.   | Soustr.   | Soustr.   | Soustr.   | Soustr.   | M. S. | M. S. |         |        |
| IX. 0    | III. 0 | 2 27 21                                   | 2 26 5    | 2 20 33   | 2 10 21   | 1 56 2    | 1 37 51   | 1 16 26   | 0 52 26   | 26 41     | 0 0       |       |       | IX. 0   | III. 0 |
| 1        | 1      | 2 28 40                                   | 2 27 25   | 2 21 50   | 2 11 38   | 1 57 17   | 1 39 4    | 1 17 39   | 0 53 36   | 27 53     | 1 10      |       |       | 29      | 29     |
| 2        | 2      | 2 29 56                                   | 2 28 42   | 2 23 5    | 2 12 52   | 1 58 30   | 1 40 16   | 1 18 50   | 0 54 46   | 29 2      | 2 20      |       |       | 28      | 28     |
| 3        | 3      | 2 31 10                                   | 2 29 56   | 2 24 17   | 2 14 3    | 1 59 40   | 1 41 26   | 1 19 58   | 0 55 55   | 30 10     | 3 29      |       |       | 27      | 27     |
| 4        | 4      | 2 32 20                                   | 2 31 8    | 2 25 26   | 2 15 12   | 2 0 47    | 1 42 33   | 1 21 5    | 0 57 2    | 31 17     | 4 38      |       |       | 26      | 26     |
| 5        | 5      | 2 33 26                                   | 2 32 16   | 2 26 31   | 2 16 18   | 2 1 52    | 1 43 38   | 1 22 10   | 0 58 8    | 32 24     | 5 47      |       |       | 25      | 25     |
| 6        | 6      | 2 34 30                                   | 2 33 20   | 2 27 33   | 2 17 20   | 2 2 54    | 1 44 41   | 1 23 13   | 0 59 13   | 33 30     | 6 56      |       |       | 24      | 24     |
| 7        | 7      | 2 35 31                                   | 2 34 21   | 2 28 33   | 2 18 20   | 2 3 55    | 1 45 43   | 1 24 14   | 1 0 16    | 34 35     | 8 4       |       |       | 23      | 23     |
| 8        | 8      | 2 36 29                                   | 2 35 18   | 2 29 31   | 2 19 18   | 2 4 53    | 1 46 42   | 1 25 14   | 1 1 18    | 35 39     | 9 11      |       |       | 22      | 22     |
| 9        | 9      | 2 37 24                                   | 2 36 12   | 2 30 27   | 2 20 12   | 2 5 49    | 1 47 39   | 1 26 11   | 1 2 19    | 36 42     | 10 18     |       |       | 21      | 21     |
| 10       | 10     | 2 38 16                                   | 2 37 2    | 2 31 20   | 2 21 4    | 2 6 42    | 1 48 33   | 1 27 7    | 1 3 18    | 37 43     | 11 24     |       |       | 20      | 20     |
| 11       | 11     | 2 39 4                                    | 2 37 49   | 2 32 9    | 2 21 53   | 2 7 31    | 1 49 25   | 1 28 1    | 1 4 15    | 38 43     | 12 30     |       |       | 19      | 19     |
| 12       | 12     | 2 39 49                                   | 2 38 34   | 2 32 53   | 2 22 40   | 2 8 17    | 1 50 14   | 1 28 53   | 1 5 11    | 39 42     | 13 34     |       |       | 18      | 18     |
| 13       | 13     | 2 40 32                                   | 2 39 15   | 2 33 35   | 2 23 24   | 2 9 1     | 1 50 59   | 1 29 42   | 1 6 4     | 40 40     | 14 37     |       |       | 17      | 17     |
| 14       | 14     | 2 41 10                                   | 2 39 53   | 2 34 14   | 2 24 3    | 2 9 43    | 1 51 41   | 1 30 28   | 1 6 55    | 41 36     | 15 39     |       |       | 16      | 16     |
| 15       | 15     | 2 41 43                                   | 2 40 29   | 2 34 49   | 2 24 40   | 2 10 22   | 1 52 21   | 1 31 13   | 1 7 43    | 42 31     | 16 40     |       |       | 15      | 15     |
| 16       | 16     | 2 42 13                                   | 2 41 1    | 2 35 19   | 2 25 13   | 2 10 56   | 1 52 58   | 1 31 55   | 1 8 28    | 43 25     | 17 40     |       |       | 14      | 14     |
| 17       | 17     | 2 42 40                                   | 2 41 28   | 2 35 45   | 2 25 42   | 2 11 27   | 1 53 32   | 1 32 34   | 1 9 12    | 44 17     | 18 39     |       |       | 13      | 13     |
| 18       | 18     | 2 43 3                                    | 2 41 51   | 2 36 8    | 2 26 5    | 2 11 54   | 1 54 4    | 1 33 9    | 1 9 55    | 45 8      | 19 37     |       |       | 12      | 12     |
| 19       | 19     | 2 43 20                                   | 2 42 9    | 2 36 28   | 2 26 26   | 2 12 18   | 1 54 33   | 1 33 42   | 1 10 35   | 45 57     | 20 34     |       |       | 11      | 11     |
| 20       | 20     | 2 43 34                                   | 2 42 23   | 2 36 43   | 2 26 43   | 2 12 39   | 1 54 59   | 1 34 13   | 1 11 12   | 46 43     | 21 27     |       |       | 10      | 10     |
| 21       | 21     | 2 43 45                                   | 2 42 33   | 2 36 54   | 2 26 56   | 2 12 56   | 1 55 20   | 1 34 41   | 1 11 47   | 47 27     | 22 20     |       |       | 9       | 9      |
| 22       | 22     | 2 43 50                                   | 2 42 37   | 2 37 1    | 2 27 5    | 2 13 8    | 1 55 37   | 1 35 5    | 1 12 20   | 48 10     | 23 12     |       |       | 8       | 8      |
| 23       | 23     | 2 43 51                                   | 2 42 38   | 2 37 3    | 2 27 10   | 2 13 18   | 1 55 51   | 1 35 27   | 1 12 51   | 48 50     | 24 3      |       |       | 7       | 7      |
| 24       | 24     | 2 43 49                                   | 2 42 36   | 2 37 1    | 2 27 11   | 2 13 24   | 1 56 2    | 1 35 47   | 1 13 19   | 49 28     | 24 51     |       |       | 6       | 6      |
| 25       | 25     | 2 43 44                                   | 2 42 30   | 2 36 56   | 2 27 10   | 2 13 26   | 1 56 9    | 1 36 4    | 1 13 45   | 50 3      | 25 37     |       |       | 5       | 5      |
| 26       | 26     | 2 43 34                                   | 2 42 21   | 2 36 46   | 2 27 4    | 2 13 23   | 1 56 14   | 1 36 17   | 1 14 8    | 50 35     | 26 22     |       |       | 4       | 4      |
| 27       | 27     | 2 43 19                                   | 2 42 6    | 2 36 32   | 2 26 54   | 2 13 17   | 1 56 15   | 1 36 26   | 1 14 29   | 51 5      | 27 4      |       |       | 3       | 3      |
| 28       | 28     | 2 42 59                                   | 2 41 45   | 2 36 14   | 2 26 40   | 2 13 8    | 1 56 13   | 1 36 31   | 1 14 46   | 51 33     | 27 45     |       |       | 2       | 2      |
| 29       | 29     | 2 42 33                                   | 2 41 18   | 2 35 51   | 2 26 20   | 2 12 54   | 1 56 9    | 1 36 32   | 1 15 0    | 51 58     | 28 24     |       |       | 1       | 1      |
| X. 0     | IV. 0  | 2 42 3                                    | 2 40 48   | 2 35 24   | 2 25 56   | 2 12 35   | 1 56 0    | 1 36 32   | 1 15 12   | 52 21     | 29 0      |       |       | VIII. 0 | II. 0  |
|          |        | Equ. Add.                                 | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. |       |       |         |        |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

|       |       |       |      |        |        |       |         |         |        |
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|
| VI. 0 | V. 20 | V. 10 | V. 0 | IV. 20 | IV. 10 | IV. 0 | III. 20 | III. 10 | III. 0 |
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

TABLE XVII.

DE LA DERNIERE INEGALITE DE LA LUNE.

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

|            |        |        |        |         |         |         |          |          |       |       |       |       |       |       |
|------------|--------|--------|--------|---------|---------|---------|----------|----------|-------|-------|-------|-------|-------|-------|
| Sign. Deg. | S. D.  | S. D.  | S. D.  | S. D.   | S. D.   | S. D.   | S. D.    | S. D.    | S. D. | S. D. | S. D. | S. D. | S. D. | S. D. |
| VI. 0      | VI. 10 | VI. 20 | VII. 0 | VII. 10 | VII. 20 | VIII. 0 | VIII. 10 | VIII. 20 | IX. 0 |       |       |       |       |       |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

| Sign. D. | S. D. | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |         |         |         |         |         |         |         |         |         |         |         | VIII. 0 | VIII. 10 | VIII. 20 | IX. 0   |
|----------|-------|-------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|---------|
|          |       | O. 0                                      | O. 10   | O. 20   | I. 0    | I. 10   | I. 20   | II. 0   | II. 10  | II. 20  | III. 0  | III. 10 | III. 20 |         |          |          |         |
| X. 0     | IV. 0 | Equ. Soult.                               | Soustr. | Soustr. | Soustr. | Soustr. | Soustr. | Soustr. | Soustr. | Soustr. | Soustr. | Soustr. | Soustr. | Soustr. | Soustr.  | Soustr.  | Soustr. |
| 1        | 1     | 2 42 3                                    | 2 40 48 | 2 35 24 | 2 25 56 | 2 12 35 | 1 56 0  | 1 36 32 | 1 15 12 | 52 21   | 29 0    | VIII. 0 | II. 0   |         |          |          |         |
| 2        | 2     | 2 41 29                                   | 2 40 14 | 2 34 52 | 2 25 28 | 2 12 15 | 1 55 46 | 1 36 28 | 1 15 20 | 52 41   | 29 34   | 29      | 29      |         |          |          |         |
| 3        | 3     | 2 40 50                                   | 2 39 35 | 2 34 15 | 2 24 53 | 2 11 48 | 1 55 28 | 1 36 20 | 1 15 23 | 52 58   | 30 6    | 28      | 28      |         |          |          |         |
| 4        | 4     | 2 40 5                                    | 2 38 51 | 2 33 33 | 2 24 14 | 2 11 16 | 1 55 5  | 1 36 9  | 1 15 23 | 53 13   | 30 36   | 27      | 27      |         |          |          |         |
| 5        | 5     | 2 39 16                                   | 2 28 2  | 2 32 46 | 2 23 31 | 2 10 40 | 1 54 39 | 1 35 54 | 1 15 22 | 53 26   | 31 4    | 26      | 26      |         |          |          |         |
| 6        | 6     | 2 38 21                                   | 2 37 7  | 2 31 54 | 2 22 44 | 2 10 0  | 1 54 10 | 1 35 56 | 1 15 17 | 53 36   | 31 30   | 25      | 25      |         |          |          |         |
| 7        | 7     | 2 37 22                                   | 2 36 8  | 2 30 56 | 2 21 53 | 2 9 16  | 1 53 36 | 1 35 15 | 1 15 9  | 53 43   | 31 54   | 24      | 24      |         |          |          |         |
| 8        | 8     | 2 36 18                                   | 2 35 3  | 2 29 54 | 2 20 57 | 2 8 29  | 1 52 58 | 1 34 50 | 1 14 58 | 53 48   | 32 15   | 23      | 23      |         |          |          |         |
| 9        | 9     | 2 35 9                                    | 2 33 55 | 2 28 49 | 2 19 57 | 2 7 38  | 1 52 16 | 1 34 22 | 1 14 44 | 53 50   | 32 34   | 22      | 22      |         |          |          |         |
| 10       | 10    | 2 33 56                                   | 2 32 41 | 2 27 38 | 2 18 51 | 2 6 43  | 1 51 31 | 1 33 50 | 1 14 27 | 53 50   | 32 51   | 21      | 21      |         |          |          |         |
| 11       | 11    | 2 32 38                                   | 2 31 22 | 2 26 22 | 2 17 40 | 2 5 43  | 1 50 41 | 1 33 15 | 1 14 7  | 53 46   | 33 5    | 20      | 20      |         |          |          |         |
| 12       | 12    | 2 31 15                                   | 2 29 59 | 2 25 2  | 2 16 26 | 2 4 37  | 1 49 46 | 1 32 36 | 1 13 43 | 53 39   | 33 16   | 19      | 19      |         |          |          |         |
| 13       | 13    | 2 29 47                                   | 2 28 30 | 2 23 37 | 2 15 8  | 2 3 27  | 1 48 49 | 1 31 53 | 1 13 15 | 53 30   | 33 25   | 18      | 18      |         |          |          |         |
| 14       | 14    | 2 28 13                                   | 2 26 56 | 2 22 6  | 2 13 45 | 2 2 14  | 1 47 47 | 1 31 7  | 1 12 44 | 53 18   | 33 31   | 17      | 17      |         |          |          |         |
| 15       | 15    | 2 26 33                                   | 2 25 18 | 2 20 30 | 2 12 17 | 2 0 56  | 1 46 42 | 1 30 18 | 1 12 11 | 53 4    | 33 36   | 16      | 16      |         |          |          |         |
| 16       | 16    | 2 24 49                                   | 2 23 34 | 2 18 50 | 2 10 45 | 1 59 32 | 1 45 34 | 1 29 25 | 1 11 35 | 52 47   | 33 39   | 15      | 15      |         |          |          |         |
| 17       | 17    | 2 23 1                                    | 2 21 47 | 2 17 7  | 2 9 9   | 1 58 5  | 1 44 22 | 1 28 29 | 1 10 56 | 52 28   | 33 39   | 14      | 14      |         |          |          |         |
| 18       | 18    | 2 21 9                                    | 2 19 56 | 2 15 19 | 2 7 29  | 1 56 35 | 1 43 6  | 1 27 29 | 1 10 15 | 52 5    | 33 36   | 13      | 13      |         |          |          |         |
| 19       | 19    | 2 19 13                                   | 2 18 0  | 2 13 26 | 2 5 45  | 1 55 0  | 1 41 47 | 1 26 25 | 1 9 30  | 51 39   | 33 30   | 12      | 12      |         |          |          |         |
| 20       | 20    | 2 17 11                                   | 1 15 59 | 2 11 29 | 2 3 56  | 1 53 21 | 1 40 23 | 1 25 16 | 1 8 41  | 51 10   | 33 21   | 11      | 11      |         |          |          |         |
| 21       | 21    | 2 15 2                                    | 2 13 52 | 2 9 27  | 2 2 2   | 1 51 38 | 1 38 54 | 1 24 4  | 1 7 48  | 50 38   | 33 10   | 10      | 10      |         |          |          |         |
| 22       | 22    | 2 12 48                                   | 2 11 42 | 2 7 21  | 2 0 3   | 1 49 50 | 1 37 21 | 1 22 48 | 1 6 52  | 50 3    | 32 58   | 9       | 9       |         |          |          |         |
| 23       | 23    | 2 10 30                                   | 2 9 26  | 2 5 8   | 1 57 59 | 1 47 59 | 1 35 44 | 1 21 29 | 1 5 54  | 49 26   | 32 43   | 8       | 8       |         |          |          |         |
| 24       | 24    | 2 8 8                                     | 2 7 5   | 2 2 52  | 1 55 50 | 1 46 5  | 1 34 3  | 1 20 8  | 1 4 53  | 48 47   | 32 25   | 7       | 7       |         |          |          |         |
| 25       | 25    | 2 5 41                                    | 2 4 40  | 2 0 32  | 1 53 37 | 1 44 7  | 1 32 18 | 1 18 43 | 1 3 48  | 48 5    | 32 5    | 6       | 6       |         |          |          |         |
| 26       | 26    | 2 3 10                                    | 2 2 9   | 1 58 7  | 1 51 20 | 1 42 3  | 1 30 30 | 1 17 14 | 1 2 40  | 47 20   | 31 43   | 5       | 5       |         |          |          |         |
| 27       | 27    | 2 0 34                                    | 1 59 34 | 1 55 38 | 1 49 0  | 1 39 55 | 1 28 39 | 1 15 42 | 1 1 30  | 46 32   | 31 19   | 4       | 4       |         |          |          |         |
| 28       | 28    | 1 57 54                                   | 1 56 55 | 1 53 5  | 1 46 36 | 1 37 44 | 1 26 44 | 1 14 6  | 1 0 17  | 45 42   | 30 52   | 3       | 3       |         |          |          |         |
| 29       | 29    | 1 55 11                                   | 1 54 13 | 1 50 28 | 1 44 7  | 1 35 29 | 1 24 46 | 1 12 27 | 0 59 0  | 44 48   | 30 22   | 2       | 2       |         |          |          |         |
| XI. 0    | V. 0  | 1 52 23                                   | 1 51 25 | 1 47 46 | 1 41 34 | 1 33 9  | 1 22 44 | 1 10 46 | 0 57 39 | 43 51   | 29 50   | 1       | 1       |         |          |          |         |
|          |       | 1 49 31                                   | 1 48 32 | 1 45 0  | 1 38 57 | 1 30 46 | 1 20 38 | 1 9 1   | 0 56 15 | 42 50   | 29 16   | VII. 0  | I. 0    |         |          |          |         |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

|       |       |       |      |        |        |       |         |         |        |
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|
| VI. 0 | V. 20 | V. 10 | V. 0 | IV. 20 | IV. 10 | IV. 0 | III. 20 | III. 10 | III. 0 |
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

Sign. D. Distance de la Lune au Soleil.

TAB. LE. XVII.  
DE LA DERNIERE INEGALITE' DE LA LUNE.

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

|            |        |        |        |         |         |         |          |          |       |       |       |
|------------|--------|--------|--------|---------|---------|---------|----------|----------|-------|-------|-------|
| Sign. Deg. | S. D.  | S. D.  | S. D.  | S. D.   | S. D.   | S. D.   | S. D.    | S. D.    | S. D. | S. D. | S. D. |
| VI. 0      | VI. 10 | VI. 20 | VII. 0 | VII. 10 | VII. 20 | VIII. 0 | VIII. 10 | VIII. 20 | IX. 0 |       |       |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

| Sign. D. | Sign. D. | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |           |           |           |           |           |           |           |           |           |        |      | VII. 0 | I. 0 |
|----------|----------|-------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|------|--------|------|
|          |          | O. 0                                      | O. 10     | O. 20     | I. 0      | I. 10     | I. 20     | II. 0     | II. 10    | II. 20    | III. 0    |        |      |        |      |
|          |          | D. M. S.                                  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | M. S.     | M. S.     | M. S.  |      |        |      |
|          |          | Equ. Soult.                               | Soult.    | Soult.    | Soult.    | Soult.    | Soult.    | Soult.    | Soult.    | Soult.    | Soult.    | Soult. |      |        |      |
| XI. 0    | V. 0     | 1 49 31                                   | 1 48 32   | 1 45 0    | 1 38 57   | 1 30 46   | 1 20 38   | 1 9 1     | 56 15     | 42 52     | 29 16     |        |      |        |      |
| 1        | 1        | 1 46 33                                   | 1 45 35   | 1 42 9    | 1 36 17   | 1 28 20   | 1 18 30   | 1 7 13    | 54 50     | 41 51     | 28 40     | VII. 0 | I. 0 |        |      |
| 2        | 2        | 1 43 33                                   | 1 42 36   | 1 39 16   | 1 33 34   | 1 25 51   | 1 16 19   | 1 5 23    | 53 22     | 40 48     | 28 2      | 29     | 29   |        |      |
| 3        | 3        | 1 40 29                                   | 1 39 33   | 1 36 18   | 1 30 48   | 1 23 19   | 1 14 5    | 1 3 30    | 51 51     | 39 43     | 27 22     | 28     | 28   |        |      |
| 4        | 4        | 1 37 21                                   | 1 36 27   | 1 33 17   | 1 27 58   | 1 20 43   | 1 11 49   | 1 1 33    | 50 18     | 38 36     | 26 40     | 27     | 27   |        |      |
| 5        | 5        | 1 34 9                                    | 1 33 16   | 1 30 12   | 1 25 5    | 1 18 4    | 1 9 29    | 0 59 34   | 48 44     | 37 26     | 25 56     | 26     | 26   |        |      |
| 6        | 6        | 1 30 54                                   | 1 30 3    | 1 27 4    | 1 22 8    | 1 15 23   | 1 7 6     | 0 57 32   | 47 7      | 36 14     | 25 10     | 25     | 25   |        |      |
| 7        | 7        | 1 27 35                                   | 1 26 45   | 1 23 53   | 1 19 8    | 1 12 38   | 1 4 40    | 0 55 29   | 45 27     | 35 0      | 24 22     | 24     | 24   |        |      |
| 8        | 8        | 1 24 12                                   | 1 23 24   | 1 20 38   | 1 16 5    | 1 9 49    | 1 2 11    | 0 53 23   | 43 45     | 33 44     | 23 32     | 23     | 23   |        |      |
| 9        | 9        | 1 20 46                                   | 1 20 0    | 1 17 20   | 1 12 58   | 1 6 59    | 0 59 39   | 0 51 14   | 42 2      | 33 26     | 22 41     | 22     | 22   |        |      |
| 10       | 10       | 1 17 17                                   | 1 16 32   | 1 14 0    | 1 9 48    | 1 4 6     | 0 57 5    | 0 49 2    | 40 16     | 31 6      | 21 48     | 21     | 21   |        |      |
| 11       | 11       | 1 13 44                                   | 1 13 1    | 1 10 37   | 1 6 35    | 1 1 10    | 0 54 29   | 0 46 48   | 38 28     | 29 44     | 20 53     | 20     | 20   |        |      |
| 12       | 12       | 1 10 8                                    | 1 9 26    | 1 7 10    | 1 3 20    | 0 58 12   | 0 51 50   | 0 44 33   | 36 39     | 28 21     | 19 57     | 19     | 19   |        |      |
| 13       | 13       | 1 6 30                                    | 1 5 48    | 1 3 40    | 1 0 3     | 0 55 11   | 0 49 9    | 0 42 16   | 34 47     | 26 56     | 18 59     | 18     | 18   |        |      |
| 14       | 14       | 1 2 50                                    | 1 2 8     | 1 0 8     | 0 56 43   | 0 52 7    | 0 46 26   | 0 39 56   | 32 53     | 25 29     | 17 59     | 17     | 17   |        |      |
| 15       | 15       | 0 59 7                                    | 0 58 26   | 0 56 34   | 0 53 21   | 0 49 1    | 0 43 41   | 0 37 35   | 30 58     | 24 1      | 16 58     | 16     | 16   |        |      |
| 16       | 16       | 0 55 21                                   | 0 54 42   | 0 52 58   | 0 49 57   | 0 45 53   | 0 40 54   | 0 35 12   | 29 1      | 22 31     | 15 56     | 15     | 15   |        |      |
| 17       | 17       | 0 51 33                                   | 0 50 56   | 0 49 20   | 0 46 31   | 0 42 44   | 0 38 5    | 0 32 47   | 27 2      | 21 1      | 14 52     | 14     | 14   |        |      |
| 18       | 18       | 0 47 43                                   | 0 47 9    | 0 45 39   | 0 43 3    | 0 39 33   | 0 35 14   | 0 30 20   | 25 2      | 19 29     | 13 48     | 13     | 13   |        |      |
| 19       | 19       | 0 43 51                                   | 0 43 20   | 0 41 57   | 0 39 33   | 0 36 20   | 0 32 22   | 0 27 52   | 23 1      | 17 55     | 12 43     | 12     | 12   |        |      |
| 20       | 20       | 0 39 58                                   | 0 39 30   | 0 38 13   | 0 36 1    | 0 33 6    | 0 29 30   | 0 25 24   | 20 59     | 16 20     | 11 37     | 11     | 11   |        |      |
| 21       | 21       | 0 36 3                                    | 0 35 39   | 0 34 28   | 0 32 29   | 0 29 50   | 0 26 37   | 0 22 55   | 18 56     | 14 45     | 10 30     | 10     | 10   |        |      |
| 22       | 22       | 0 32 6                                    | 0 31 46   | 0 30 42   | 0 28 56   | 0 26 34   | 0 23 43   | 0 20 25   | 16 53     | 13 10     | 9 22      | 9      | 9    |        |      |
| 23       | 23       | 0 28 8                                    | 0 27 51   | 0 26 54   | 0 25 22   | 0 23 18   | 0 20 48   | 0 17 54   | 14 49     | 11 33     | 8 13      | 8      | 8    |        |      |
| 24       | 24       | 0 24 8                                    | 0 23 54   | 0 23 5    | 0 21 47   | 0 20 1    | 0 17 52   | 0 15 22   | 12 43     | 9 55      | 7 4       | 7      | 7    |        |      |
| 25       | 25       | 0 20 8                                    | 0 19 56   | 0 19 16   | 0 18 11   | 0 16 42   | 0 14 54   | 0 12 49   | 10 37     | 8 17      | 5 54      | 6      | 6    |        |      |
| 26       | 26       | 0 16 8                                    | 0 15 58   | 0 15 26   | 0 14 34   | 0 13 22   | 0 11 56   | 0 10 16   | 8 30      | 6 38      | 4 44      | 5      | 5    |        |      |
| 27       | 27       | 0 12 7                                    | 0 11 59   | 0 11 35   | 0 10 56   | 0 10 2    | 0 8 57    | 0 7 43    | 6 23      | 4 59      | 3 33      | 4      | 4    |        |      |
| 28       | 28       | 0 8 5                                     | 0 8 0     | 0 7 44    | 0 7 18    | 0 6 41    | 0 5 58    | 0 5 9     | 4 16      | 3 19      | 2 22      | 3      | 3    |        |      |
| 29       | 29       | 0 4 3                                     | 0 4 0     | 0 3 52    | 0 3 39    | 0 3 21    | 0 2 59    | 0 2 35    | 2 8       | 1 40      | 1 12      | 2      | 2    |        |      |
| XII. 0   | VI. 0    | 0 0 0                                     | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | VI. 0  | O. 0 |        |      |
|          |          | Equ. Add.                                 | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. |        |      |        |      |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

|       |       |       |      |        |        |       |         |         |        |
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|
| VI. 0 | V. 20 | V. 10 | V. 0 | IV. 20 | IV. 10 | IV. 0 | III. 20 | III. 10 | III. 0 |
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

Sign. D. Distance de la Lune au Soleil.  
Sign. D. Distance de la C au Soleil.

TABLE XVII.  
DE LA DERNIERE INEGALITE DE LA LUNE.

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

| Sign. Deg. | S. D.  | S. D.  | S. D.  | S. D.   | S. D.   | S. D.   | S. D.    | S. D.    | S. D. | S. D. | S. D. |
|------------|--------|--------|--------|---------|---------|---------|----------|----------|-------|-------|-------|
| VI. 0      | VI. 10 | VI. 20 | VII. 0 | VII. 10 | VII. 20 | VIII. 0 | VIII. 10 | VIII. 20 | IX. 0 |       |       |

Distance de la C au Soleil.

Distance de la Lune au Soleil.

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

| Sign. D. | S. D.  | D. M. S.     | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | M. S.     | M. S.     | M. S.     | VI. 0 | XII. 0 |
|----------|--------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|--------|
| O. 0     | O. 10  | O. 20        | I. 0      | I. 10     | I. 20     | II. 0     | II. 10    | II. 20    | III. 0    | III. 10   | III. 20   |       |        |
| O. 0     | VI. 0  | Equ. Add.    | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | VI. 0 | XII. 0 |
| 1        | 1      | 0 0 0        | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | 0 0 0     | 29    | 29     |
| 2        | 2      | 0 4 3        | 0 4 0     | 0 3 52    | 0 3 39    | 0 3 22    | 0 3 0     | 0 2 34    | 2 7       | 1 40      | 1 12      | 28    | 28     |
| 3        | 3      | 0 8 5        | 0 7 59    | 0 7 43    | 0 7 16    | 0 6 41    | 0 5 58    | 0 5 8     | 4 14      | 3 19      | 2 22      | 27    | 27     |
| 4        | 4      | 0 12 7       | 0 11 58   | 0 11 34   | 0 10 53   | 0 10 0    | 0 8 55    | 0 7 41    | 6 21      | 4 58      | 3 33      | 26    | 26     |
| 5        | 5      | 0 16 8       | 0 15 57   | 0 15 25   | 0 14 31   | 0 13 19   | 0 11 53   | 0 10 14   | 8 28      | 6 36      | 4 44      | 25    | 25     |
| 6        | 6      | 0 20 8       | 0 19 55   | 0 19 14   | 0 18 7    | 0 16 38   | 0 14 50   | 0 12 46   | 10 33     | 8 14      | 5 54      | 24    | 24     |
| 7        | 7      | 0 24 8       | 0 23 52   | 0 23 3    | 0 21 43   | 0 19 55   | 0 17 46   | 0 15 17   | 12 38     | 9 51      | 7 4       | 23    | 23     |
| 8        | 8      | 0 28 8       | 0 27 49   | 0 26 50   | 0 25 17   | 0 23 11   | 0 20 41   | 0 17 48   | 14 43     | 11 28     | 8 13      | 22    | 22     |
| 9        | 9      | 0 32 6       | 0 31 44   | 0 30 37   | 0 28 50   | 0 26 26   | 0 23 35   | 0 20 18   | 16 47     | 13 4      | 9 22      | 21    | 21     |
| 10       | 10     | 0 36 3       | 0 35 37   | 0 34 23   | 0 32 22   | 0 29 41   | 0 26 28   | 0 22 47   | 18 50     | 14 39     | 10 30     | 20    | 20     |
| 11       | 11     | 0 39 58      | 0 39 28   | 0 38 6    | 0 35 51   | 0 32 54   | 0 29 19   | 0 24 14   | 20 51     | 16 14     | 11 37     | 19    | 19     |
| 12       | 12     | 0 43 51      | 0 43 17   | 0 41 47   | 0 39 19   | 0 36 5    | 0 32 9    | 0 27 40   | 22 51     | 17 47     | 12 43     | 18    | 18     |
| 13       | 13     | 0 47 43      | 0 47 6    | 0 45 28   | 0 42 46   | 0 39 15   | 0 34 57   | 0 30 5    | 24 50     | 19 19     | 13 48     | 17    | 17     |
| 14       | 14     | 0 51 33      | 0 50 53   | 0 49 6    | 0 46 12   | 0 42 24   | 0 37 44   | 0 32 28   | 26 48     | 20 50     | 14 52     | 16    | 16     |
| 15       | 15     | 0 55 21      | 0 54 39   | 0 52 43   | 0 49 35   | 0 45 30   | 0 40 29   | 0 34 50   | 28 44     | 22 20     | 15 56     | 15    | 15     |
| 16       | 16     | 0 59 7       | 0 58 22   | 0 56 17   | 0 52 55   | 0 48 33   | 0 43 13   | 0 37 11   | 30 39     | 23 48     | 16 58     | 14    | 14     |
| 17       | 17     | 1 2 50       | 1 2 2     | 0 59 48   | 0 56 14   | 0 51 34   | 0 45 55   | 0 39 29   | 32 32     | 25 15     | 17 59     | 13    | 13     |
| 18       | 18     | 1 6 30       | 1 5 38    | 1 3 16    | 0 59 32   | 0 54 34   | 0 48 35   | 0 41 45   | 34 24     | 26 41     | 18 59     | 12    | 12     |
| 19       | 19     | 1 10 8       | 1 9 13    | 1 6 43    | 1 2 46    | 0 57 31   | 0 51 12   | 0 43 59   | 36 14     | 28 6      | 19 57     | 11    | 11     |
| 20       | 20     | 1 13 44      | 1 12 45   | 1 10 8    | 1 5 57    | 1 0 25    | 0 53 46   | 0 46 10   | 38 1      | 29 28     | 20 53     | 10    | 10     |
| 21       | 21     | 1 17 17      | 1 16 14   | 1 13 30   | 1 9 5     | 1 3 17    | 0 56 18   | 0 48 19   | 39 46     | 30 48     | 21 48     | 9     | 9      |
| 22       | 22     | 1 20 46      | 1 19 39   | 1 16 48   | 1 12 11   | 1 6 6     | 0 58 47   | 0 50 26   | 41 29     | 32 6      | 22 41     | 8     | 8      |
| 23       | 23     | 1 24 12      | 1 23 2    | 1 20 2    | 1 15 13   | 1 8 52    | 1 1 14    | 0 52 31   | 43 11     | 33 23     | 23 32     | 7     | 7      |
| 24       | 24     | 1 27 35      | 1 26 22   | 1 23 14   | 1 18 12   | 1 11 35   | 1 3 38    | 0 54 33   | 44 50     | 34 38     | 24 22     | 6     | 6      |
| 25       | 25     | 1 30 54      | 1 29 38   | 1 26 22   | 1 21 8    | 1 14 14   | 1 5 59    | 0 56 33   | 46 26     | 35 50     | 25 10     | 5     | 5      |
| 26       | 26     | 1 34 9       | 1 32 51   | 1 29 26   | 1 24 0    | 1 16 50   | 1 8 17    | 0 58 30   | 48 0      | 37 0      | 25 56     | 4     | 4      |
| 27       | 27     | 1 37 21      | 1 36 59   | 1 32 27   | 1 26 49   | 1 19 24   | 1 10 32   | 1 0 24    | 49 32     | 38 8      | 26 40     | 3     | 3      |
| 28       | 28     | 1 40 29      | 1 39 4    | 1 35 24   | 1 29 34   | 1 21 54   | 1 12 43   | 1 2 15    | 51 3      | 39 14     | 27 22     | 2     | 2      |
| 29       | 29     | 1 43 33      | 1 42 5    | 1 38 17   | 1 32 16   | 1 24 21   | 1 14 51   | 1 4 3     | 52 28     | 40 18     | 28 2      | 1     | 1      |
| I. 0     | VII. 0 | 1 46 33      | 1 45 1    | 1 41 6    | 1 34 55   | 1 26 45   | 1 16 56   | 1 5 49    | 53 51     | 41 19     | 28 40     | V. 0  | XI. 0  |
|          |        | 1 49 31      | 1 47 55   | 1 43 52   | 1 37 30   | 1 29 6    | 1 18 58   | 1 7 32    | 55 10     | 42 17     | 29 16     |       |        |
|          |        | Equ. Soustr. | Soustr.   | Soustr.   | Soustr.   | Soustr.   | Soustr.   | Soustr.   | Soustr.   | Soustr.   | Soustr.   |       |        |

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

| VI. 0 | V. 20 | V. 10 | V. 0 | IV. 20 | IV. 10 | IV. 0 | III. 20 | III. 10 | III. 0 |
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

Sign. D. Distance de la Lune au Soleil.

Sign. D. Distance de la C au Soleil.

TABLE XVII.

DE LA DERNIERE INEGALITE DE LA LUNE.

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

|            |        |        |        |         |         |         |          |          |       |       |       |       |
|------------|--------|--------|--------|---------|---------|---------|----------|----------|-------|-------|-------|-------|
| Sign. Deg. | S. D.  | S. D.  | S. D.  | S. D.   | S. D.   | S. D.   | S. D.    | S. D.    | S. D. | S. D. | S. D. | S. D. |
| VI. 0      | VI. 10 | VI. 20 | VII. 0 | VII. 10 | VII. 20 | VIII. 0 | VIII. 10 | VIII. 20 | IX. 0 |       |       |       |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

| Sign. D. | Sign. D. | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |           |           |           |           |           |           |           |           |           | V. 0 | XI. 0 |
|----------|----------|-------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|-------|
|          |          | O. 0                                      | O. 10     | O. 20     | I. 0      | I. 10     | I. 20     | II. 0     | II. 10    | II. 20    | III. 0    |      |       |
|          |          | D. M. S.                                  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | M. S.     | M. S.     |      |       |
|          | VII. 0   | Equ. Add.                                 | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. |      |       |
| 0        | 0        | 1 49 31                                   | 1 47 55   | 1 43 52   | 1 37 30   | 1 29 6    | 1 18 58   | 1 7 32    | 0 55 10   | 42 17     | 29 16     |      |       |
| 1        | 1        | 1 52 23                                   | 1 50 46   | 1 46 34   | 1 40 2    | 1 31 23   | 1 20 57   | 1 9 12    | 0 56 28   | 43 14     | 29 50     | 29   | 29    |
| 2        | 2        | 1 55 11                                   | 1 53 33   | 1 49 11   | 1 42 29   | 1 33 35   | 1 22 53   | 1 10 49   | 0 57 44   | 44 8      | 30 22     | 28   | 28    |
| 3        | 3        | 1 57 54                                   | 1 55 14   | 1 51 44   | 1 44 52   | 1 35 43   | 1 24 45   | 1 12 22   | 0 58 57   | 44 59     | 30 52     | 27   | 27    |
| 4        | 4        | 2 0 34                                    | 1 58 51   | 1 54 13   | 1 47 10   | 1 37 48   | 1 26 33   | 1 13 52   | 1 0 6     | 45 48     | 31 19     | 26   | 26    |
| 5        | 5        | 2 3 10                                    | 2 1 23    | 1 56 39   | 1 49 25   | 1 39 49   | 1 28 18   | 1 15 18   | 1 1 13    | 46 34     | 31 43     | 25   | 25    |
| 6        | 6        | 2 5 41                                    | 2 3 51    | 1 59 1    | 1 51 35   | 1 41 46   | 1 29 58   | 1 16 41   | 1 2 17    | 47 16     | 32 5      | 24   | 24    |
| 7        | 7        | 2 8 8                                     | 2 6 14    | 2 1 18    | 1 53 41   | 1 43 39   | 1 31 35   | 1 18 1    | 1 3 17    | 47 56     | 32 25     | 23   | 23    |
| 8        | 8        | 2 10 30                                   | 2 8 31    | 2 3 30    | 1 55 43   | 1 45 28   | 1 33 9    | 1 19 17   | 1 4 14    | 48 33     | 32 43     | 22   | 22    |
| 9        | 9        | 2 12 48                                   | 2 10 45   | 2 5 38    | 1 57 40   | 1 47 14   | 1 34 39   | 1 20 30   | 1 5 9     | 49 7      | 32 58     | 21   | 21    |
| 10       | 10       | 2 15 2                                    | 2 12 55   | 2 7 42    | 1 59 33   | 1 48 56   | 1 36 6    | 1 21 41   | 1 6 0     | 49 39     | 33 10     | 20   | 20    |
| 11       | 11       | 2 17 11                                   | 2 15 0    | 2 9 41    | 2 1 22    | 1 50 34   | 1 37 29   | 1 22 46   | 1 6 49    | 50 9      | 33 21     | 19   | 19    |
| 12       | 12       | 2 19 13                                   | 2 16 59   | 2 11 35   | 2 3 7     | 1 52 7    | 1 38 47   | 1 23 48   | 1 7 35    | 50 36     | 33 30     | 18   | 18    |
| 13       | 13       | 2 21 9                                    | 2 18 52   | 2 13 24   | 2 4 47    | 1 53 35   | 1 40 1    | 1 24 46   | 1 8 18    | 51 0      | 33 36     | 17   | 17    |
| 14       | 14       | 2 23 1                                    | 2 20 41   | 2 15 8    | 2 6 22    | 1 54 58   | 1 41 11   | 1 25 41   | 1 8 56    | 51 22     | 33 39     | 16   | 16    |
| 15       | 15       | 2 24 49                                   | 2 22 26   | 2 16 47   | 2 7 52    | 1 56 17   | 1 42 16   | 1 26 32   | 1 9 30    | 51 40     | 33 39     | 15   | 15    |
| 16       | 16       | 2 26 33                                   | 2 24 7    | 2 18 21   | 2 9 17    | 1 57 31   | 1 43 18   | 1 27 19   | 1 10 1    | 51 55     | 33 36     | 14   | 14    |
| 17       | 17       | 2 28 13                                   | 2 25 43   | 2 19 51   | 2 10 39   | 1 58 42   | 1 44 18   | 1 28 3    | 1 10 29   | 52 8      | 33 31     | 13   | 13    |
| 18       | 18       | 2 29 47                                   | 2 27 14   | 2 21 16   | 2 11 57   | 1 59 49   | 1 45 14   | 1 28 44   | 1 10 54   | 52 18     | 33 25     | 12   | 12    |
| 19       | 19       | 2 31 15                                   | 2 28 40   | 2 22 37   | 2 13 10   | 2 0 51    | 1 46 5    | 1 29 21   | 1 11 16   | 52 26     | 33 16     | 11   | 11    |
| 20       | 20       | 2 32 38                                   | 2 30 2    | 2 23 53   | 2 14 18   | 2 1 49    | 1 46 52   | 1 29 55   | 1 11 36   | 52 30     | 33 5      | 10   | 10    |
| 21       | 21       | 2 33 56                                   | 2 31 19   | 2 25 4    | 2 15 21   | 2 2 43    | 1 47 35   | 1 30 25   | 1 11 52   | 52 32     | 32 51     | 9    | 9     |
| 22       | 22       | 2 35 9                                    | 2 32 30   | 2 26 9    | 2 16 20   | 2 3 32    | 1 48 14   | 1 30 51   | 1 12 4    | 52 30     | 32 34     | 8    | 8     |
| 23       | 23       | 2 36 18                                   | 2 33 36   | 2 27 10   | 2 17 15   | 2 4 18    | 1 48 49   | 1 31 14   | 1 12 13   | 52 25     | 32 15     | 7    | 7     |
| 24       | 24       | 2 37 22                                   | 2 34 37   | 2 28 6    | 2 18 5    | 2 5 0     | 1 49 20   | 1 31 34   | 1 12 20   | 52 18     | 31 54     | 6    | 6     |
| 25       | 25       | 2 38 21                                   | 2 35 33   | 2 28 58   | 2 18 50   | 2 5 38    | 1 49 47   | 1 31 51   | 1 12 24   | 52 8      | 31 30     | 5    | 5     |
| 26       | 26       | 2 39 16                                   | 2 36 24   | 2 29 46   | 2 19 31   | 2 6 12    | 1 50 10   | 1 32 4    | 1 12 24   | 51 56     | 31 4      | 4    | 4     |
| 27       | 27       | 2 40 5                                    | 2 37 10   | 2 30 29   | 2 20 8    | 2 6 42    | 1 50 30   | 1 32 14   | 1 12 21   | 51 41     | 30 36     | 3    | 3     |
| 28       | 28       | 2 40 50                                   | 2 37 53   | 2 31 7    | 2 20 41   | 2 7 9     | 1 50 46   | 1 32 21   | 1 12 16   | 51 23     | 30 6      | 2    | 2     |
| 29       | 29       | 2 41 29                                   | 2 38 30   | 2 31 40   | 2 21 9    | 2 7 31    | 1 50 58   | 1 32 24   | 1 12 8    | 51 3      | 29 34     | 1    | 1     |
| 0        | VIII. 0  | 2 42 3                                    | 2 39 5    | 2 32 8    | 2 21 33   | 2 7 48    | 1 51 7    | 1 32 23   | 1 11 58   | 50 41     | 29 0      |      |       |
|          |          | Equ. Soufr.                               | Soufract. | Soufract. | Soufract. | Soufract. | Soufract. | Soufract. | Soufract. | Soufract. | Soufr.    |      |       |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

|       |       |       |      |        |        |       |         |         |        |
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|
| VI. 0 | V. 20 | V. 10 | V. 0 | IV. 20 | IV. 10 | IV. 0 | III. 20 | III. 10 | III. 0 |
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

Sign. D. Distance de la Lune au Soleil.  
Sign. D. Distance de la C au Soleil.

TABLE XVII.  
DE LA DERNIERE INEGALITE DE LA LUNE.

| Distance de la C au Soleil. |         | DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE. |            |            |            |            |            |            |            |            |            |            |            |                             |                             |      | Distance de la C au Soleil. |  |
|-----------------------------|---------|-------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------------------------|-----------------------------|------|-----------------------------|--|
|                             |         | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |            |            |            |            |            |            |            |            |            |            |            |                             |                             |      |                             |  |
|                             |         | Sign. D.                                  | Sign. D.   | D. M. S.   | D. M. S.   | D. M. S.   | D. M. S.   | D. M. S.   | D. M. S.   | D. M. S.   | D. M. S.   | D. M. S.   | M. S.      | M. S.                       | IV. 0                       | X. 0 |                             |  |
| II. 0                       | VIII. 0 | Equ. Add.                                 | Additive.  | Additive.  | Additive.  | Additive.  | Additive.  | Additive.  | Additive.  | Additive.  | Additive.  | Additive.  | Additive.  | IV. 0                       | X. 0                        |      |                             |  |
| 1                           | 1       | 2 42 3                                    | 2 39 5     | 2 32 8     | 2 21 33    | 2 7 48     | 1 51 7     | 1 32 23    | 1 11 58    | 50 41      | 29 0       | 29 0       | 29 0       | 29 0                        |                             |      |                             |  |
| 2                           | 2       | 2 42 33                                   | 2 39 33    | 2 32 32    | 2 21 53    | 2 8 1      | 1 51 12    | 1 32 18    | 1 11 45    | 50 16      | 28 24      | 28 24      | 28 24      | 28 24                       |                             |      |                             |  |
| 3                           | 3       | 2 42 59                                   | 2 39 58    | 2 32 51    | 2 22 9     | 2 8 9      | 1 51 12    | 1 32 10    | 1 11 28    | 49 47      | 27 45      | 27 45      | 27 45      | 27 45                       |                             |      |                             |  |
| 4                           | 4       | 2 43 19                                   | 2 40 18    | 2 33 6     | 2 22 20    | 2 8 13     | 1 51 9     | 1 31 58    | 1 11 8     | 49 17      | 27 4       | 27 4       | 27 4       | 27 4                        |                             |      |                             |  |
| 5                           | 5       | 2 43 34                                   | 2 40 33    | 2 33 18    | 2 22 27    | 2 8 15     | 1 51 3     | 1 31 43    | 1 10 46    | 48 45      | 26 22      | 26 22      | 26 22      | 26 22                       |                             |      |                             |  |
| 6                           | 6       | 2 43 44                                   | 2 40 42    | 2 33 26    | 2 22 30    | 2 8 11     | 1 50 53    | 1 31 26    | 1 10 21    | 48 11      | 25 37      | 25 37      | 25 37      | 25 37                       |                             |      |                             |  |
| 7                           | 7       | 2 43 49                                   | 2 40 46    | 2 33 29    | 2 22 27    | 2 8 3      | 1 50 40    | 1 31 7     | 1 9 54     | 47 34      | 24 51      | 24 51      | 24 51      | 24 51                       |                             |      |                             |  |
| 8                           | 8       | 2 43 51                                   | 2 40 47    | 2 33 27    | 2 22 21    | 2 7 52     | 1 50 24    | 1 30 44    | 1 9 23     | 46 54      | 24 3       | 24 3       | 24 3       | 24 3                        |                             |      |                             |  |
| 9                           | 9       | 2 43 50                                   | 2 40 44    | 2 33 21    | 2 22 13    | 2 7 38     | 1 50 5     | 1 30 17    | 1 8 49     | 46 12      | 23 12      | 23 12      | 23 12      | 23 12                       |                             |      |                             |  |
| 10                          | 10      | 2 43 45                                   | 2 40 37    | 2 33 11    | 2 22 1     | 2 7 20     | 1 49 43    | 1 29 48    | 1 8 13     | 45 29      | 22 20      | 22 20      | 22 20      | 22 20                       |                             |      |                             |  |
| 11                          | 11      | 2 43 34                                   | 2 40 24    | 2 32 56    | 2 21 45    | 2 6 58     | 1 49 18    | 1 29 16    | 1 7 35     | 44 45      | 21 27      | 21 27      | 21 27      | 21 27                       |                             |      |                             |  |
| 12                          | 12      | 2 43 20                                   | 2 40 7     | 2 32 38    | 2 21 24    | 2 6 33     | 1 48 49    | 1 28 41    | 1 6 55     | 43 58      | 20 34      | 20 34      | 20 34      | 20 34                       |                             |      |                             |  |
| 13                          | 13      | 2 43 3                                    | 2 39 48    | 2 32 16    | 2 20 59    | 2 6 4      | 1 48 16    | 1 28 3     | 1 6 12     | 43 8       | 19 37      | 19 37      | 19 37      | 19 37                       |                             |      |                             |  |
| 14                          | 14      | 2 42 40                                   | 2 39 23    | 2 31 51    | 2 20 31    | 2 5 32     | 1 47 41    | 1 27 23    | 1 5 25     | 42 17      | 18 39      | 18 39      | 18 39      | 18 39                       |                             |      |                             |  |
| 15                          | 15      | 2 42 13                                   | 2 38 54    | 2 31 23    | 2 20 0     | 2 4 57     | 1 47 3     | 1 26 41    | 1 4 37     | 41 25      | 17 40      | 17 40      | 17 40      | 17 40                       |                             |      |                             |  |
| 16                          | 16      | 2 41 43                                   | 2 38 21    | 2 30 51    | 2 19 25    | 2 4 20     | 1 46 22    | 1 25 56    | 1 3 48     | 40 31      | 16 40      | 16 40      | 16 40      | 16 40                       |                             |      |                             |  |
| 17                          | 17      | 2 41 10                                   | 2 37 46    | 2 30 16    | 2 18 46    | 2 3 40     | 1 45 39    | 1 25 9     | 1 2 57     | 39 36      | 15 39      | 15 39      | 15 39      | 15 39                       |                             |      |                             |  |
| 18                          | 18      | 2 40 32                                   | 2 37 9     | 2 29 36    | 2 18 4     | 2 2 57     | 1 44 53    | 1 24 20    | 1 2 5      | 38 39      | 14 37      | 14 37      | 14 37      | 14 37                       |                             |      |                             |  |
| 19                          | 19      | 2 39 49                                   | 2 36 29    | 2 28 53    | 2 17 19    | 2 2 12     | 1 44 5     | 1 23 29    | 1 1 11     | 37 40      | 13 34      | 13 34      | 13 34      | 13 34                       |                             |      |                             |  |
| 20                          | 20      | 2 39 4                                    | 2 35 45    | 2 28 7     | 2 16 31    | 2 1 24     | 1 43 14    | 1 22 35    | 1 0 15     | 36 40      | 12 30      | 12 30      | 12 30      | 12 30                       |                             |      |                             |  |
| 21                          | 21      | 2 38 16                                   | 2 34 56    | 2 27 19    | 2 15 42    | 2 0 34     | 1 42 20    | 1 21 39    | 0 59 17    | 35 39      | 11 24      | 11 24      | 11 24      | 11 24                       |                             |      |                             |  |
| 22                          | 22      | 2 37 24                                   | 2 34 4     | 2 26 27    | 2 14 49    | 1 59 41    | 1 41 25    | 1 20 42    | 0 58 18    | 34 37      | 10 18      | 10 18      | 10 18      | 10 18                       |                             |      |                             |  |
| 23                          | 23      | 2 36 29                                   | 2 33 9     | 2 25 30    | 2 13 53    | 1 58 45    | 1 40 27    | 1 19 43    | 0 57 18    | 33 34      | 9 11       | 9 11       | 9 11       | 9 11                        |                             |      |                             |  |
| 24                          | 24      | 2 35 31                                   | 2 32 11    | 2 24 30    | 2 12 54    | 1 57 46    | 1 39 27    | 1 18 42    | 0 56 16    | 32 30      | 8 4        | 8 4        | 8 4        | 8 4                         |                             |      |                             |  |
| 25                          | 25      | 2 34 30                                   | 2 31 9     | 2 23 28    | 2 11 53    | 1 56 44    | 1 38 25    | 1 17 39    | 0 55 12    | 31 24      | 6 56       | 6 56       | 6 56       | 6 56                        |                             |      |                             |  |
| 26                          | 26      | 2 33 26                                   | 2 30 5     | 2 22 24    | 2 10 50    | 1 55 40    | 1 37 21    | 1 16 35    | 0 54 7     | 30 17      | 5 47       | 5 47       | 5 47       | 5 47                        |                             |      |                             |  |
| 27                          | 27      | 2 32 20                                   | 2 28 59    | 2 21 18    | 2 9 44     | 1 54 34    | 1 36 15    | 1 15 29    | 0 53 1     | 29 10      | 4 38       | 4 38       | 4 38       | 4 38                        |                             |      |                             |  |
| 28                          | 28      | 2 31 10                                   | 2 27 49    | 2 20 8     | 2 8 34     | 1 53 25    | 1 35 7     | 1 14 22    | 0 51 53    | 28 2       | 3 29       | 3 29       | 3 29       | 3 29                        |                             |      |                             |  |
| 29                          | 29      | 2 29 56                                   | 2 26 35    | 2 18 54    | 2 7 20     | 1 52 13    | 1 33 58    | 1 13 14    | 0 50 43    | 26 52      | 2 20       | 2 20       | 2 20       | 2 20                        |                             |      |                             |  |
| III. 0                      | IX. 0   | Equ. Souf.                                | Souftract. | Souftract. | Souftract. | Souftract. | Souftract. | Souftract. | Souftract. | Souftract. | Souftract. | Souftract. | Souftract. | III. 0                      | IX. 0                       |      |                             |  |
|                             |         | Sign. Deg.                                | S. D.      | S. D.      | S. D.      | S. D.      | S. D.      | S. D.      | S. D.      | S. D.      | S. D.      | S. D.      | S. D.      | Sign. D.                    | Sign. D.                    |      |                             |  |
|                             |         | XII. 0                                    | XI. 20     | XI. 10     | XI. 0      | X. 20      | X. 10      | X. 0       | IX. 20     | IX. 10     | IX. 0      | IX. 0      | IX. 0      | Distance de la C au Soleil. | Distance de la C au Soleil. |      |                             |  |
|                             |         | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |            |            |            |            |            |            |            |            |            |            |            |                             |                             |      |                             |  |
|                             |         | VI. 0                                     | V. 20      | V. 10      | V. 0       | IV. 20     | IV. 10     | IV. 0      | III. 20    | III. 10    | III. 0     |            |            |                             |                             |      |                             |  |
|                             |         | DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE. |            |            |            |            |            |            |            |            |            |            |            |                             |                             |      |                             |  |



TABLE XVII.  
DE LA DERNIERE INEGALITE DE LA LUNE.

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

| Sign. Deg. | S. D.  | S. D.  | S. D.  | S. D.   | S. D.   | S. D.   | S. D.    | S. D.    | S. D. | S. D. | S. D. | S. D. | S. D. | S. D. |
|------------|--------|--------|--------|---------|---------|---------|----------|----------|-------|-------|-------|-------|-------|-------|
| VI. 0      | VI. 10 | VI. 20 | VII. 0 | VII. 10 | VII. 20 | VIII. 0 | VIII. 10 | VIII. 20 | IX. 0 |       |       |       |       |       |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

| Sign. D. | Sign. D. | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |           |           |           |           |           |           |           |           |           |           |        | III. 0 | IX. 0 |         |
|----------|----------|-------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|-------|---------|
|          |          | O. 0                                      | O. 10     | O. 20     | I. 0      | I. 10     | I. 20     | II. 0     | II. 10    | II. 20    | III. 0    |           |        |        |       |         |
|          |          | D. M. S.                                  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | D. M. S.  | M. S.     | M. S.     | M. S.     | Soufr. |        |       |         |
| III. 0   | IX. 0    | Additive.                                 | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Additive. | Soufr. | III. 0 | IX. 0 |         |
| 1        | 1        | 2 27 21                                   | 2 23 59   | 2 16 22   | 2 4 47    | 1 49 42   | 1 31 32   | 1 10 52   | 48 20     | 24 30     | 0 0       | 48 20     | 24 30  | 0 0    | 29    | 29      |
| 2        | 2        | 2 25 59                                   | 2 22 38   | 2 15 2    | 2 3 29    | 1 48 25   | 1 30 17   | 1 9 39    | 47 8      | 23 20     | 1 10      | 47 8      | 23 20  | 1 10   | 28    | 28      |
| 3        | 3        | 2 24 35                                   | 2 21 15   | 2 13 39   | 2 2 10    | 1 47 6    | 1 29 1    | 1 8 24    | 45 55     | 22 9      | 2 20      | 45 55     | 22 9   | 2 20   | 27    | 27      |
| 4        | 4        | 2 23 9                                    | 2 19 50   | 2 12 14   | 2 0 49    | 1 45 45   | 1 27 44   | 1 7 9     | 44 42     | 20 58     | 3 29      | 44 42     | 20 58  | 3 29   | 26    | 26      |
| 5        | 5        | 2 21 41                                   | 2 18 24   | 2 10 47   | 1 59 25   | 1 44 23   | 1 26 26   | 1 5 53    | 43 29     | 19 47     | 4 38      | 43 29     | 19 47  | 4 38   | 25    | 25      |
| 6        | 6        | 2 20 12                                   | 2 16 55   | 2 9 19    | 1 57 59   | 1 43 0    | 1 25 7    | 1 4 37    | 42 15     | 18 36     | 5 47      | 42 15     | 18 36  | 5 47   | 24    | 24      |
| 7        | 7        | 2 18 41                                   | 2 15 24   | 2 7 50    | 1 56 32   | 1 41 36   | 1 23 46   | 1 3 20    | 41 1      | 17 25     | 6 56      | 41 1      | 17 25  | 6 56   | 23    | 23      |
| 8        | 8        | 2 17 8                                    | 2 13 51   | 2 6 19    | 1 55 4    | 1 40 11   | 1 22 25   | 1 2 2     | 39 48     | 16 14     | 8 4       | 39 48     | 16 14  | 8 4    | 22    | 22      |
| 9        | 9        | 2 15 32                                   | 2 12 17   | 2 4 47    | 1 53 34   | 1 38 45   | 1 21 3    | 1 0 44    | 38 34     | 15 3      | 9 11      | 38 34     | 15 3   | 9 11   | 21    | 21      |
| 10       | 10       | 2 13 55                                   | 2 10 41   | 2 3 14    | 1 52 3    | 1 37 18   | 1 19 40   | 0 59 26   | 37 20     | 13 53     | 10 18     | 37 20     | 13 53  | 10 18  | 20    | 20      |
|          |          | 2 12 16                                   | 2 9 4     | 2 1 39    | 1 50 32   | 1 35 50   | 1 18 16   | 0 58 7    | 36 5      | 12 43     | 11 24     | 36 5      | 12 43  | 11 24  |       |         |
| 11       | 11       | 2 10 36                                   | 2 7 25    | 2 0 2     | 1 48 59   | 1 34 21   | 1 16 51   | 0 56 49   | 34 51     | 11 34     | 12 30     | 34 51     | 11 34  | 12 30  | 19    | 19      |
| 12       | 12       | 2 8 54                                    | 2 5 44    | 1 58 24   | 1 47 25   | 1 32 51   | 1 15 26   | 0 55 31   | 33 37     | 10 25     | 13 34     | 33 37     | 10 25  | 13 34  | 18    | 18      |
| 13       | 13       | 2 7 10                                    | 2 4 2     | 1 56 45   | 1 45 59   | 1 31 21   | 1 14 0    | 0 54 12   | 32 22     | 9 16      | 14 37     | 32 22     | 9 16   | 14 37  | 17    | 17      |
| 14       | 14       | 2 5 25                                    | 2 2 18    | 1 55 5    | 1 44 22   | 1 29 50   | 1 12 34   | 0 52 52   | 31 8      | 8 8       | 15 39     | 31 8      | 8 8    | 15 39  | 16    | 16      |
| 15       | 15       | 2 3 38                                    | 2 0 32    | 1 53 23   | 1 42 34   | 1 28 18   | 1 11 7    | 0 51 31   | 29 55     | 7 1       | 16 40     | 29 55     | 7 1    | 16 40  | 15    | 15      |
| 16       | 16       | 2 1 50                                    | 1 58 45   | 1 51 40   | 1 40 56   | 1 26 46   | 1 9 40    | 0 50 10   | 28 42     | 5 54      | 17 40     | 28 42     | 5 54   | 17 40  | 14    | 14      |
| 17       | 17       | 2 0 1                                     | 1 56 59   | 1 49 57   | 1 39 17   | 1 25 13   | 1 8 13    | 0 48 49   | 27 29     | 4 49      | 18 39     | 27 29     | 4 49   | 18 39  | 13    | 13      |
| 18       | 18       | 1 58 12                                   | 1 55 12   | 1 48 14   | 1 37 38   | 1 23 40   | 1 6 46    | 0 47 28   | 26 17     | 3 43      | 19 37     | 26 17     | 3 43   | 19 37  | 12    | 12      |
| 19       | 19       | 1 56 23                                   | 1 53 24   | 1 46 30   | 1 35 58   | 1 22 6    | 1 5 19    | 0 46 8    | 25 6      | 2 39      | 20 34     | 25 6      | 2 39   | 20 34  | 11    | 11      |
| 20       | 20       | 1 54 33                                   | 1 51 35   | 1 44 45   | 1 34 18   | 1 20 31   | 1 3 52    | 0 44 49   | 23 56     | 1 38      | 21 27     | 23 56     | 1 38   | 21 27  | 10    | 10      |
| 21       | 21       | 1 52 42                                   | 1 49 46   | 1 42 59   | 1 32 37   | 1 18 56   | 1 2 25    | 0 43 30   | 22 46     | 0 37      | 22 20     | 22 46     | 0 37   | 22 20  | 9     | 9       |
| 22       | 22       | 1 50 52                                   | 1 47 57   | 1 41 12   | 1 30 55   | 1 17 21   | 1 0 58    | 0 42 11   | 21 37     | 0 23      | 23 12     | 21 37     | 0 23   | 23 12  | 8     | 8       |
| 23       | 23       | 1 49 1                                    | 1 46 8    | 1 39 26   | 1 29 14   | 1 15 47   | 0 59 32   | 0 40 53   | 20 29     | 1 22      | 24 3      | 20 29     | 1 22   | 24 3   | 7     | 7       |
| 24       | 24       | 1 47 9                                    | 1 44 18   | 1 37 39   | 1 27 33   | 1 14 14   | 0 58 6    | 0 39 36   | 19 23     | 2 20      | 24 51     | 19 23     | 2 20   | 24 51  | 6     | 6       |
| 25       | 25       | 1 45 15                                   | 1 42 28   | 1 35 52   | 1 25 52   | 1 12 40   | 0 56 41   | 0 38 20   | 18 18     | 3 16      | 25 37     | 18 18     | 3 16   | 25 37  | 5     | 5       |
| 26       | 26       | 1 43 22                                   | 1 40 37   | 1 34 4    | 1 24 10   | 1 11 7    | 0 55 16   | 0 37 6    | 17 13     | 4 10      | 26 22     | 17 13     | 4 10   | 26 22  | 4     | 4       |
| 27       | 27       | 1 41 28                                   | 1 38 45   | 1 32 16   | 1 22 29   | 1 9 33    | 0 53 52   | 0 35 52   | 16 9      | 5 3       | 27 4      | 16 9      | 5 3    | 27 4   | 3     | 3       |
| 28       | 28       | 1 39 34                                   | 1 36 52   | 1 30 29   | 1 20 48   | 1 8 0     | 0 52 29   | 0 34 39   | 15 6      | 5 55      | 27 45     | 15 6      | 5 55   | 27 45  | 2     | 2       |
| 29       | 29       | 1 37 40                                   | 1 34 59   | 1 28 42   | 1 19 7    | 1 6 27    | 0 51 7    | 0 33 28   | 14 4      | 6 45      | 28 24     | 14 4      | 6 45   | 28 24  | 1     | 1       |
| IV. 0    | X. 0     | 1 35 46                                   | 1 33 6    | 1 26 55   | 1 17 25   | 1 4 55    | 0 49 45   | 0 32 19   | 13 3      | 7 33      | 29 0      | 13 3      | 7 33   | 29 0   | II. 0 | VIII. 0 |
|          |          | Soufract.                                 | Soufract. | Soufract. | Soufract. | Soufract. | Soufract. | Soufract. | Soufract. | Additive. | Addit.    |           |        |        |       |         |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

|       |       |       |      |        |        |       |         |         |        |
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|
| VI. 0 | V. 20 | V. 10 | V. 0 | IV. 20 | IV. 10 | IV. 0 | III. 20 | III. 10 | III. 0 |
|-------|-------|-------|------|--------|--------|-------|---------|---------|--------|

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

TABLE XVII.  
DE LA DERNIERE INEGALITE DE LA LUNE.

|                             |                                | DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE. |                    |                   |                    |                    |                 |                 |                |                 |              |            |         |       |         |
|-----------------------------|--------------------------------|-------------------------------------------|--------------------|-------------------|--------------------|--------------------|-----------------|-----------------|----------------|-----------------|--------------|------------|---------|-------|---------|
|                             |                                | Sign. Deg. VI. 0                          | S. D. VI. 10       | S. D. VI. 20      | S. D. VII. 0       | S. D. VII. 10      | S. D. VII. 20   | S. D. VIII. 0   | S. D. VIII. 10 | S. D. VIII. 20  | S. D. IX. 0  |            |         |       |         |
| Distance de la C au Soleil. | Distance de la Lune au Soleil. | DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE. |                    |                   |                    |                    |                 |                 |                |                 |              |            |         | II. 0 | VIII. 0 |
|                             |                                | O 0                                       | O 10               | O 20              | I. 0               | I. 10              | I. 20           | II. 0           | II. 10         | II. 20          | III. 0       |            |         |       |         |
| Sign. D.                    | Sign. D.                       | D. M. S.                                  | D. M. S.           | D. M. S.          | D. M. S.           | D. M. S.           | M. S.           | M. S.           | M. S.          | M. S.           | M. S.        | Soustract. | Soustr. |       |         |
| IV. 0                       | X. 0                           | Equ. Add. 1 35 46                         | Additive. 1 33 6   | Additive. 1 26 55 | Additive. 1 17 25  | Additive. 1 4 55   | Additive. 49 45 | Additive. 32 19 | Additive. 13 3 | Soustract. 7 33 | Soustr. 29 0 |            |         | II. 0 | VIII. 0 |
| 1                           | 1                              | 1 33 50                                   | 1 31 14            | 1 25 8            | 1 15 45            | 1 3 23             | 48 24           | 31 10           | 12 4           | 8 19            | 29 34        |            |         | 29    | 29      |
| 2                           | 2                              | 1 31 55                                   | 1 29 22            | 1 23 22           | 1 14 5             | 1 1 52             | 47 4            | 30 1            | 11 8           | 9 3             | 30 6         |            |         | 28    | 28      |
| 3                           | 3                              | 1 30 1                                    | 1 27 30            | 1 21 35           | 1 12 26            | 1 0 22             | 45 45           | 28 53           | 10 13          | 9 46            | 30 36        |            |         | 27    | 27      |
| 4                           | 4                              | 1 28 8                                    | 1 25 39            | 1 19 49           | 1 10 47            | 0 58 52            | 44 27           | 27 45           | 9 19           | 10 27           | 31 4         |            |         | 26    | 26      |
| 5                           | 5                              | 1 26 15                                   | 1 23 50            | 1 18 4            | 1 9 7              | 0 57 22            | 43 9            | 26 39           | 8 26           | 11 6            | 31 30        |            |         | 25    | 25      |
| 6                           | 6                              | 1 24 23                                   | 1 22 1             | 1 16 19           | 1 7 31             | 0 55 54            | 41 52           | 25 34           | 7 34           | 11 44           | 31 54        |            |         | 24    | 24      |
| 7                           | 7                              | 1 22 31                                   | 1 20 12            | 1 14 34           | 1 5 54             | 0 54 27            | 40 35           | 24 30           | 6 44           | 12 20           | 32 15        |            |         | 23    | 23      |
| 8                           | 8                              | 1 20 40                                   | 1 18 22            | 1 12 50           | 1 4 19             | 0 53 2             | 39 19           | 23 27           | 5 55           | 12 54           | 32 34        |            |         | 22    | 22      |
| 9                           | 9                              | 1 18 50                                   | 1 16 33            | 1 11 6            | 1 2 44             | 0 51 37            | 38 5            | 22 26           | 5 8            | 13 26           | 32 51        |            |         | 21    | 21      |
| 10                          | 10                             | 1 17 1                                    | 1 14 45            | 1 9 23            | 1 1 9              | 0 50 12            | 36 52           | 21 27           | 4 23           | 13 55           | 33 5         |            |         | 20    | 20      |
| 11                          | 11                             | 1 15 12                                   | 1 12 57            | 1 7 41            | 0 59 35            | 0 48 48            | 35 41           | 20 29           | 3 40           | 14 22           | 33 16        |            |         | 19    | 19      |
| 12                          | 12                             | 1 13 23                                   | 1 11 10            | 1 5 59            | 0 58 2             | 0 47 25            | 34 31           | 19 31           | 2 58           | 14 47           | 33 25        |            |         | 18    | 18      |
| 13                          | 13                             | 1 11 33                                   | 1 9 23             | 1 4 18            | 0 56 29            | 0 46 3             | 33 21           | 18 34           | 2 17           | 15 11           | 33 31        |            |         | 17    | 17      |
| 14                          | 14                             | 1 9 44                                    | 1 7 38             | 1 2 37            | 0 54 56            | 0 44 42            | 32 12           | 17 39           | 1 39           | 15 33           | 33 36        |            |         | 16    | 16      |
| 15                          | 15                             | 1 7 56                                    | 1 5 54             | 1 0 57            | 0 53 25            | 0 43 22            | 31 4            | 16 46           | 1 2            | 15 53           | 33 39        |            |         | 15    | 15      |
| 16                          | 16                             | 1 6 8                                     | 1 4 10             | 0 59 18           | 0 51 55            | 0 42 4             | 29 58           | 15 56           | 0 27           | 16 11           | 33 39        |            |         | 14    | 14      |
| 17                          | 17                             | 1 4 20                                    | 1 2 26             | 0 57 41           | 0 50 26            | 0 40 47            | 28 54           | 15 8            | Soustract. 0 5 | 16 26           | 33 36        |            |         | 13    | 13      |
| 18                          | 18                             | 1 2 32                                    | 1 0 42             | 0 56 5            | 0 48 57            | 0 39 30            | 27 52           | 14 21           | 0 36           | 16 39           | 33 30        |            |         | 12    | 12      |
| 19                          | 19                             | 1 0 46                                    | 0 59 0             | 0 54 30           | 0 47 29            | 0 38 14            | 26 51           | 13 36           | 1 5            | 16 49           | 33 21        |            |         | 11    | 11      |
| 20                          | 20                             | 0 59 0                                    | 0 57 18            | 0 52 55           | 0 46 1             | 0 36 59            | 25 50           | 12 53           | 1 32           | 16 57           | 33 10        |            |         | 10    | 10      |
| 21                          | 21                             | 0 57 15                                   | 0 55 36            | 0 51 21           | 0 44 34            | 0 35 45            | 24 51           | 12 11           | 1 57           | 17 3            | 32 58        |            |         | 9     | 9       |
| 22                          | 22                             | 0 55 32                                   | 0 53 55            | 0 49 48           | 0 43 9             | 0 34 33            | 23 53           | 11 31           | 2 20           | 17 9            | 32 43        |            |         | 8     | 8       |
| 23                          | 23                             | 0 53 51                                   | 0 52 16            | 0 48 16           | 0 41 45            | 0 33 22            | 22 56           | 10 52           | 2 41           | 17 16           | 32 25        |            |         | 7     | 7       |
| 24                          | 24                             | 0 52 10                                   | 0 50 39            | 0 46 45           | 0 40 22            | 0 32 12            | 22 1            | 10 14           | 3 0            | 17 11           | 32 5         |            |         | 6     | 6       |
| 25                          | 25                             | 0 50 31                                   | 0 49 3             | 0 45 15           | 0 39 0             | 0 31 3             | 21 7            | 9 37            | 3 18           | 17 9            | 31 43        |            |         | 5     | 5       |
| 26                          | 26                             | 0 48 53                                   | 0 47 28            | 0 43 46           | 0 37 40            | 0 29 55            | 20 14           | 9 1             | 3 34           | 17 6            | 31 19        |            |         | 4     | 4       |
| 27                          | 27                             | 0 47 15                                   | 0 45 53            | 0 42 18           | 0 36 22            | 0 28 49            | 19 23           | 8 27            | 3 48           | 17 0            | 30 52        |            |         | 3     | 3       |
| 28                          | 28                             | 0 45 38                                   | 0 44 18            | 0 40 52           | 0 35 5             | 0 27 44            | 18 33           | 7 54            | 4 1            | 16 52           | 30 22        |            |         | 2     | 2       |
| 29                          | 29                             | 0 44 2                                    | 0 42 44            | 0 39 26           | 0 33 50            | 0 26 40            | 17 45           | 7 23            | 4 12           | 16 41           | 29 50        |            |         | 1     | 1       |
| V. 0                        | XI. 0                          | Equ. Soustr. 0 42 27                      | Soustract. 0 41 12 | Soustract. 0 38 0 | Soustract. 0 32 35 | Soustract. 0 25 37 | 16 58           | 6 53            | Additive. 4 21 | Additive. 16 28 | Addit. 29 16 |            |         | I. 0  | VII. 0  |
|                             |                                | Sign. Deg. XII. 0                         | S. D. XI. 20       | S. D. XI. 10      | S. D. XI. 0        | S. D. X. 20        | S. D. X. 10     | S. D. X. 0      | S. D. IX. 20   | S. D. IX. 10    | S. D. IX. 0  |            |         |       |         |
|                             |                                | DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE. |                    |                   |                    |                    |                 |                 |                |                 |              |            |         |       |         |
|                             |                                | VI. 0                                     | V. 20              | V. 10             | V. 0               | IV. 20             | IV. 10          | IV. 0           | III. 20        | III. 10         | III. 0       |            |         |       |         |
|                             |                                | DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE. |                    |                   |                    |                    |                 |                 |                |                 |              |            |         |       |         |

TABLE XVII.

DE LA DERNIERE INEGALITE DE LA LUNE.

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

|            |        |        |        |         |         |         |          |          |       |        |        |
|------------|--------|--------|--------|---------|---------|---------|----------|----------|-------|--------|--------|
| Sign. Deg. | S. D.  | S. D.  | S. D.  | S. D.   | S. D.   | S. D.   | S. D.    | S. D.    | S. D. | S. D.  | S. D.  |
| VI. 0      | VI. 10 | VI. 20 | VII. 0 | VII. 10 | VII. 20 | VIII. 0 | VIII. 10 | VIII. 20 | IX. 0 | IX. 10 | IX. 20 |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

| Sign. D. | S. D. | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |            |            |            |            |            |            |            |            |         |         |         | I. 0 | VII. 0 |
|----------|-------|-------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|---------|---------|---------|------|--------|
|          |       | O. 0                                      | O. 10      | O. 20      | I. 0       | I. 10      | I. 20      | II. 0      | II. 10     | II. 20     | III. 0  | III. 10 | III. 20 |      |        |
| VI. 0    | XI. 0 | Equ. Add.                                 | Additive.  | Additive.  | Additive.  | Additive.  | Additive.  | Additive.  | Soustract. | Soustract. | Soustr. |         |         |      |        |
| 1        | 1     | 42 27                                     | 41 12      | 38 0       | 32 35      | 25 37      | 16 58      | 6 53       | 4 21       | 16 28      | 29 16   |         |         |      |        |
| 2        | 2     | 40 51                                     | 39 39      | 36 34      | 31 21      | 24 35      | 16 11      | 6 24       | 4 28       | 16 14      | 28 40   |         |         |      |        |
| 3        | 3     | 39 16                                     | 38 7       | 35 9       | 30 7       | 23 33      | 15 25      | 5 57       | 4 34       | 15 59      | 28 2    |         |         |      |        |
| 4        | 4     | 37 42                                     | 36 36      | 33 45      | 28 54      | 22 32      | 14 41      | 5 31       | 4 39       | 15 43      | 27 22   |         |         |      |        |
| 5        | 5     | 36 10                                     | 35 7       | 32 21      | 27 42      | 21 32      | 13 59      | 5 6        | 4 43       | 15 5       | 26 40   |         |         |      |        |
| 6        | 6     | 34 38                                     | 33 38      | 30 58      | 26 31      | 20 33      | 13 18      | 4 43       | 4 45       | 15 5       | 25 56   |         |         |      |        |
| 7        | 7     | 33 8                                      | 32 10      | 29 36      | 25 20      | 19 36      | 12 37      | 4 22       | 4 46       | 14 43      | 25 10   |         |         |      |        |
| 8        | 8     | 31 38                                     | 30 43      | 28 15      | 24 9       | 18 40      | 11 57      | 4 2        | 4 45       | 14 19      | 24 22   |         |         |      |        |
| 9        | 9     | 30 10                                     | 29 17      | 26 54      | 22 59      | 17 45      | 11 18      | 3 44       | 4 42       | 13 54      | 23 32   |         |         |      |        |
| 10       | 10    | 28 43                                     | 26 52      | 25 34      | 21 50      | 16 50      | 10 40      | 3 26       | 4 39       | 13 28      | 22 41   |         |         |      |        |
| 11       | 11    | 27 16                                     | 26 27      | 24 15      | 20 42      | 15 56      | 10 2       | 3 9        | 4 35       | 13 0       | 21 48   |         |         |      |        |
| 12       | 12    | 25 49                                     | 25 3       | 22 57      | 19 34      | 15 3       | 9 26       | 2 53       | 4 29       | 12 31      | 20 53   |         |         |      |        |
| 13       | 13    | 24 24                                     | 23 39      | 21 40      | 18 28      | 14 11      | 8 51       | 2 38       | 4 22       | 12 0       | 19 57   |         |         |      |        |
| 14       | 14    | 22 59                                     | 22 17      | 20 24      | 17 24      | 13 20      | 8 17       | 2 24       | 4 13       | 11 27      | 18 59   |         |         |      |        |
| 15       | 15    | 21 35                                     | 20 55      | 19 9       | 16 20      | 12 30      | 7 44       | 2 11       | 4 3        | 10 52      | 17 59   |         |         |      |        |
| 16       | 16    | 20 11                                     | 19 34      | 17 55      | 15 17      | 11 40      | 7 12       | 1 59       | 3 52       | 10 16      | 16 58   |         |         |      |        |
| 17       | 17    | 18 48                                     | 18 14      | 16 41      | 14 14      | 10 51      | 6 41       | 1 48       | 3 41       | 9 40       | 15 56   |         |         |      |        |
| 18       | 18    | 17 25                                     | 16 54      | 15 28      | 13 11      | 10 3       | 6 11       | 1 38       | 3 29       | 9 3        | 14 52   |         |         |      |        |
| 19       | 19    | 16 2                                      | 15 34      | 14 15      | 12 9       | 9 15       | 5 40       | 1 28       | 3 16       | 8 25       | 13 48   |         |         |      |        |
| 20       | 20    | 14 40                                     | 14 15      | 13 2       | 11 6       | 8 27       | 5 10       | 1 18       | 3 2        | 7 46       | 12 43   |         |         |      |        |
| 21       | 21    | 13 18                                     | 12 56      | 11 50      | 10 4       | 7 40       | 4 40       | 1 9        | 2 47       | 7 6        | 11 37   |         |         |      |        |
| 22       | 22    | 11 56                                     | 11 37      | 10 38      | 9 2        | 6 53       | 4 11       | 1 1        | 2 32       | 6 25       | 10 30   |         |         |      |        |
| 23       | 23    | 10 35                                     | 10 18      | 9 27       | 8 1        | 6 6        | 3 42       | 0 53       | 2 17       | 5 44       | 9 22    |         |         |      |        |
| 24       | 24    | 9 15                                      | 9 0        | 8 15       | 7 0        | 5 20       | 3 14       | 0 46       | 2 1        | 5 2        | 8 13    |         |         |      |        |
| 25       | 25    | 7 55                                      | 7 42       | 7 4        | 5 59       | 4 34       | 2 46       | 0 39       | 1 44       | 4 19       | 7 4     |         |         |      |        |
| 26       | 26    | 6 35                                      | 6 24       | 5 53       | 4 58       | 3 48       | 2 18       | 0 32       | 1 27       | 3 37       | 5 54    |         |         |      |        |
| 27       | 27    | 5 16                                      | 5 7        | 4 42       | 3 57       | 3 2        | 1 50       | 0 26       | 1 10       | 2 54       | 4 44    |         |         |      |        |
| 28       | 28    | 3 57                                      | 3 50       | 3 31       | 2 57       | 2 16       | 1 22       | 0 19       | 0 53       | 2 11       | 3 33    |         |         |      |        |
| 29       | 29    | 2 38                                      | 2 34       | 2 21       | 1 58       | 1 31       | 0 54       | 0 13       | 0 35       | 1 27       | 2 22    |         |         |      |        |
| 30       | 30    | 1 19                                      | 1 16       | 1 10       | 0 59       | 0 45       | 0 27       | 0 6        | 0 18       | 0 44       | 1 12    |         |         |      |        |
| 31       | 31    | 0 0                                       | 0 0        | 0 0        | 0 0        | 0 0        | 0 0        | 0 0        | 0 0        | 0 0        | 0 0     |         |         |      |        |
| 32       | 32    | 0 0                                       | 0 0        | 0 0        | 0 0        | 0 0        | 0 0        | 0 0        | 0 0        | 0 0        | 0 0     |         |         |      |        |
| 33       | 33    | Equ. Soustr.                              | Soustract. | Soustract. | Soustract. | Soustract. | Soustract. | Soustract. | Additive.  | Additive.  | Add.    |         |         |      |        |

DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE.

|            |        |        |       |       |       |       |        |        |       |       |       |
|------------|--------|--------|-------|-------|-------|-------|--------|--------|-------|-------|-------|
| Sign. Deg. | S. D.  | S. D.  | S. D. | S. D. | S. D. | S. D. | S. D.  | S. D.  | S. D. | S. D. | S. D. |
| XII. 0     | XI. 20 | XI. 10 | XI. 0 | X. 20 | X. 10 | X. 0  | IX. 20 | IX. 10 | IX. 0 | IX. 0 | IX. 0 |

DISTANCE DU SOLEIL A L'APOGEE DE LA LUNE.

**TABLE XVIII.**  
**DE LA LATITUDE SIMPLE**  
**DE LA LUNE.**

LATITUDE BORÉALE DANS LES SIX PREMIERS SIGNES.  
LATITUDE AUSTRALE DANS LES SIX DERNIERS SIGNES.

| Argum.<br>de la<br>Latitude. | O. Signe.   |    |    | I. Signe.    |    |    | II. Signes.   |    |    | Degrés. |
|------------------------------|-------------|----|----|--------------|----|----|---------------|----|----|---------|
|                              | VI. Signes. |    |    | VII. Signes. |    |    | VIII. Signes. |    |    |         |
| Degrés.                      | D.          | M. | S. | D.           | M. | S. | D.            | M. | S. |         |
| 0                            | 0           | 0  | 0  | 2            | 30 | 21 | 4             | 20 | 36 | 30      |
| 1                            | 0           | 5  | 15 | 2            | 34 | 53 | 4             | 23 | 10 | 29      |
| 2                            | 0           | 10 | 30 | 2            | 39 | 22 | 4             | 25 | 41 | 28      |
| 3                            | 0           | 15 | 44 | 2            | 43 | 48 | 4             | 28 | 7  | 27      |
| 4                            | 0           | 20 | 58 | 2            | 48 | 10 | 4             | 30 | 28 | 26      |
| 5                            | 0           | 26 | 12 | 2            | 52 | 30 | 4             | 32 | 44 | 25      |
| 6                            | 0           | 31 | 25 | 2            | 56 | 47 | 4             | 34 | 55 | 24      |
| 7                            | 0           | 36 | 38 | 3            | 1  | 0  | 4             | 37 | 1  | 23      |
| 8                            | 0           | 41 | 50 | 3            | 5  | 10 | 4             | 39 | 2  | 22      |
| 9                            | 0           | 47 | 2  | 3            | 9  | 17 | 4             | 40 | 58 | 21      |
| 10                           | 0           | 52 | 12 | 3            | 13 | 21 | 4             | 42 | 48 | 20      |
| 11                           | 0           | 57 | 22 | 3            | 17 | 20 | 4             | 44 | 34 | 19      |
| 12                           | 1           | 2  | 31 | 3            | 21 | 16 | 4             | 46 | 14 | 18      |
| 13                           | 1           | 7  | 38 | 3            | 25 | 9  | 4             | 47 | 49 | 17      |
| 14                           | 1           | 12 | 44 | 3            | 28 | 57 | 4             | 49 | 18 | 16      |
| 15                           | 1           | 17 | 48 | 3            | 32 | 42 | 4             | 50 | 43 | 15      |
| 16                           | 1           | 22 | 52 | 3            | 36 | 23 | 4             | 52 | 2  | 14      |
| 17                           | 1           | 27 | 54 | 3            | 40 | 0  | 4             | 53 | 17 | 13      |
| 18                           | 1           | 32 | 55 | 3            | 43 | 34 | 4             | 54 | 25 | 12      |
| 19                           | 1           | 37 | 54 | 3            | 47 | 2  | 4             | 55 | 27 | 11      |
| 20                           | 1           | 42 | 50 | 3            | 50 | 27 | 4             | 56 | 25 | 10      |
| 21                           | 1           | 47 | 45 | 3            | 53 | 49 | 4             | 57 | 17 | 9       |
| 22                           | 1           | 52 | 38 | 3            | 57 | 4  | 4             | 58 | 3  | 8       |
| 23                           | 1           | 57 | 29 | 4            | 0  | 16 | 4             | 58 | 44 | 7       |
| 24                           | 2           | 2  | 18 | 4            | 3  | 24 | 4             | 59 | 21 | 6       |
| 25                           | 2           | 7  | 5  | 4            | 6  | 28 | 4             | 59 | 51 | 5       |
| 26                           | 2           | 11 | 50 | 4            | 9  | 27 | 5             | 0  | 15 | 4       |
| 27                           | 2           | 16 | 31 | 4            | 12 | 21 | 5             | 0  | 35 | 3       |
| 28                           | 2           | 21 | 10 | 4            | 15 | 10 | 5             | 0  | 49 | 2       |
| 29                           | 2           | 25 | 47 | 4            | 17 | 56 | 5             | 0  | 56 | 1       |
| 30                           | 2           | 30 | 21 | 4            | 20 | 36 | 5             | 1  | 0  | 0       |

LATITUDE BORÉALE DANS LES SIX PREMIERS SIGNES.  
LATITUDE AUSTRALE DANS LES SIX DERNIERS SIGNES.

**TABLE XIX.**  
**DE LA RÉDUCTION**  
**A L'ECLIPTIQUE.**

Réduction à soustraire du vrai lieu de la Lune  
dans l'Orbite.

| Argum.<br>de la<br>Latitude. | O. Signe.   |    | I. Signe.  |    | II. Signes. |    | Degrés. |
|------------------------------|-------------|----|------------|----|-------------|----|---------|
|                              | VI. Signes. |    | VII. Sign. |    | VIII. Sign. |    |         |
| Degrés.                      | M.          | S. | M.         | S. | M.          | S. |         |
| 0                            | 0           | 0  | 5          | 43 | 5           | 43 | 30      |
| 1                            | 0           | 14 | 5          | 50 | 5           | 36 | 29      |
| 2                            | 0           | 28 | 5          | 56 | 5           | 28 | 28      |
| 3                            | 0           | 42 | 6          | 2  | 5           | 20 | 27      |
| 4                            | 0           | 56 | 6          | 7  | 5           | 12 | 26      |
| 5                            | 1           | 9  | 6          | 12 | 5           | 3  | 25      |
| 6                            | 1           | 23 | 6          | 16 | 4           | 54 | 24      |
| 7                            | 1           | 36 | 6          | 20 | 4           | 44 | 23      |
| 8                            | 1           | 49 | 6          | 23 | 4           | 34 | 22      |
| 9                            | 2           | 2  | 6          | 26 | 4           | 24 | 21      |
| 10                           | 2           | 15 | 6          | 29 | 4           | 14 | 20      |
| 11                           | 2           | 28 | 6          | 31 | 4           | 3  | 19      |
| 12                           | 2           | 41 | 6          | 33 | 3           | 52 | 18      |
| 13                           | 2           | 53 | 6          | 34 | 3           | 41 | 17      |
| 14                           | 3           | 5  | 6          | 35 | 3           | 29 | 16      |
| 15                           | 3           | 17 | 6          | 36 | 3           | 17 | 15      |
| 16                           | 3           | 29 | 6          | 35 | 3           | 5  | 14      |
| 17                           | 3           | 41 | 6          | 34 | 2           | 53 | 13      |
| 18                           | 3           | 52 | 6          | 33 | 2           | 41 | 12      |
| 19                           | 4           | 3  | 6          | 31 | 2           | 28 | 11      |
| 20                           | 4           | 14 | 6          | 29 | 2           | 15 | 10      |
| 21                           | 4           | 24 | 6          | 26 | 2           | 2  | 9       |
| 22                           | 4           | 34 | 6          | 23 | 1           | 49 | 8       |
| 23                           | 4           | 44 | 6          | 20 | 1           | 36 | 7       |
| 24                           | 4           | 54 | 6          | 16 | 1           | 23 | 6       |
| 25                           | 5           | 3  | 6          | 12 | 1           | 9  | 5       |
| 26                           | 5           | 12 | 6          | 7  | 0           | 56 | 4       |
| 27                           | 5           | 20 | 6          | 2  | 0           | 42 | 3       |
| 28                           | 5           | 28 | 5          | 56 | 0           | 28 | 2       |
| 29                           | 5           | 36 | 5          | 50 | 0           | 14 | 1       |
| 30                           | 5           | 43 | 5          | 43 | 0           | 0  | 0       |

Réduction à ajouter au vrai lieu de la Lune  
dans l'Orbite.

TABLE XX.  
DE LA SECONDE LATITUDE DE LA LUNE  
Hors des Conjonctions & Oppositions.

| DISTANCE DU SOLEIL AU NŒUD DE LA LUNE. |          |        |        |         |         |         |          |          |        |         |         |        |                                |          |        |
|----------------------------------------|----------|--------|--------|---------|---------|---------|----------|----------|--------|---------|---------|--------|--------------------------------|----------|--------|
| SECONDE LATITUDE AUSTRALE.             |          |        |        |         |         |         |          |          |        |         |         |        |                                |          |        |
| SECONDE LATITUDE BORÉALE.              |          |        |        |         |         |         |          |          |        |         |         |        |                                |          |        |
| DISTANCE DE LA LUNE AU SOLEIL.         |          |        |        |         |         |         |          |          |        |         |         |        |                                |          |        |
| VI. 0                                  | VI. 10   | VI. 20 | VII. 0 | VII. 10 | VII. 20 | VIII. 0 | VIII. 10 | VIII. 20 | IX. 0  | IX. 10  | IX. 20  | IX. 0  | VI. 0                          | VI. 10   | VI. 20 |
| VI. 0                                  | V. 20    | V. 10  | V. 0   | IV. 20  | IV. 10  | IV. 0   | III. 20  | III. 10  | III. 0 | II. 20  | II. 10  | II. 0  | XII. 0                         | XI. 20   | XI. 10 |
| XII. 0                                 | XI. 20   | XI. 10 | XI. 0  | X. 20   | X. 10   | X. 0    | IX. 20   | IX. 10   | IX. 0  | III. 20 | III. 10 | III. 0 | XI. 0                          | XI. 20   | XI. 10 |
| O. 0                                   | O. 10    | O. 20  | I. 0   | I. 10   | I. 20   | II. 0   | II. 10   | II. 20   | III. 0 | III. 10 | III. 20 | III. 0 | XI. 0                          | XI. 20   | XI. 10 |
| Sign. D.                               | Sign. D. | M. S.  | M. S.  | M. S.   | M. S.   | M. S.   | M. S.    | M. S.    | M. S.  | M. S.   | M. S.   | M. S.  | Sign. D.                       | Sign. D. | M. S.  |
| VI. 0                                  | O. 0     | 0 0    | 0 0    | 0 0     | 0 0     | 0 0     | 0 0      | 0 0      | 0 0    | 0 0     | 0 0     | 0 0    | XII. 0                         | VI. 0    | 0 0    |
| 27                                     | 3        | 0 50   | 0 49   | 0 47    | 0 43    | 0 38    | 0 33     | 0 25     | 0 17   | 0 9     | 0 0     | 0 0    | 27                             | 3        | 0 0    |
| 24                                     | 6        | 1 40   | 1 38   | 1 35    | 1 27    | 1 17    | 1 5      | 0 50     | 0 34   | 0 17    | 0 0     | 0 0    | 24                             | 6        | 0 0    |
| 21                                     | 9        | 2 30   | 2 27   | 2 22    | 2 10    | 1 55    | 1 37     | 1 15     | 0 51   | 0 26    | 0 0     | 0 0    | 21                             | 9        | 0 0    |
| 18                                     | 12       | 3 19   | 3 15   | 3 8     | 2 54    | 2 33    | 2 8      | 1 40     | 1 8    | 0 35    | 0 0     | 0 0    | 18                             | 12       | 0 0    |
| 15                                     | 15       | 4 8    | 4 4    | 3 54    | 3 36    | 3 10    | 2 40     | 2 4      | 1 25   | 0 43    | 0 0     | 0 0    | 15                             | 15       | 0 0    |
| 12                                     | 18       | 4 57   | 4 53   | 4 39    | 4 17    | 3 47    | 3 11     | 2 28     | 1 42   | 0 51    | 0 0     | 0 0    | 12                             | 18       | 0 0    |
| 9                                      | 21       | 5 44   | 5 39   | 5 23    | 4 59    | 4 23    | 3 41     | 2 52     | 1 58   | 0 59    | 0 0     | 0 0    | 9                              | 21       | 0 0    |
| 6                                      | 24       | 6 30   | 6 24   | 6 6     | 5 40    | 4 59    | 4 11     | 3 15     | 2 14   | 1 8     | 0 0     | 0 0    | 6                              | 24       | 0 0    |
| 3                                      | 27       | 7 16   | 7 9    | 6 49    | 6 19    | 5 34    | 4 40     | 3 38     | 2 29   | 1 16    | 0 0     | 0 0    | 3                              | 27       | 0 0    |
| V. 0                                   | I. 0     | 8 0    | 7 53   | 7 31    | 6 57    | 6 7     | 5 9      | 4 0      | 2 45   | 1 23    | 0 0     | 0 0    | XI. 0                          | VII. 0   | 0 0    |
| 27                                     | 3        | 8 43   | 8 35   | 8 11    | 7 33    | 6 40    | 5 37     | 4 21     | 2 59   | 1 31    | 0 0     | 0 0    | 27                             | 3        | 0 0    |
| 24                                     | 6        | 9 24   | 9 16   | 8 50    | 8 9     | 7 12    | 6 3      | 4 42     | 3 14   | 1 38    | 0 0     | 0 0    | 24                             | 6        | 0 0    |
| 21                                     | 9        | 10 4   | 9 55   | 9 28    | 8 44    | 7 43    | 6 28     | 5 2      | 3 28   | 1 45    | 0 0     | 0 0    | 21                             | 9        | 0 0    |
| 18                                     | 12       | 10 42  | 10 32  | 10 4    | 9 17    | 8 12    | 6 53     | 5 21     | 3 41   | 1 52    | 0 0     | 0 0    | 18                             | 12       | 0 0    |
| 15                                     | 15       | 11 19  | 11 8   | 10 37   | 9 48    | 8 39    | 7 16     | 5 39     | 3 53   | 1 58    | 0 0     | 0 0    | 15                             | 15       | 0 0    |
| 12                                     | 18       | 11 53  | 11 42  | 11 9    | 10 17   | 9 5     | 7 38     | 5 57     | 4 5    | 2 4     | 0 0     | 0 0    | 12                             | 18       | 0 0    |
| 9                                      | 21       | 12 26  | 12 14  | 11 40   | 10 45   | 9 30    | 7 59     | 6 13     | 4 16   | 2 10    | 0 0     | 0 0    | 9                              | 21       | 0 0    |
| 6                                      | 24       | 12 57  | 12 44  | 12 9    | 11 11   | 9 54    | 8 19     | 6 28     | 4 26   | 2 15    | 0 0     | 0 0    | 6                              | 24       | 0 0    |
| 3                                      | 27       | 13 25  | 13 12  | 12 36   | 11 36   | 10 17   | 8 38     | 6 43     | 4 35   | 2 20    | 0 0     | 0 0    | 3                              | 27       | 0 0    |
| IV. 0                                  | II. 0    | 13 51  | 13 38  | 13 1    | 12 0    | 10 37   | 8 55     | 6 56     | 4 44   | 2 25    | 0 0     | 0 0    | X. 0                           | VIII. 0  | 0 0    |
| 27                                     | 3        | 14 15  | 14 2   | 13 24   | 12 21   | 10 55   | 9 10     | 7 8      | 4 52   | 2 29    | 0 0     | 0 0    | 27                             | 3        | 0 0    |
| 24                                     | 6        | 14 37  | 14 24  | 13 44   | 12 39   | 11 12   | 9 24     | 7 19     | 4 59   | 2 32    | 0 0     | 0 0    | 24                             | 6        | 0 0    |
| 21                                     | 9        | 14 56  | 14 43  | 14 2    | 12 55   | 11 26   | 9 36     | 7 28     | 5 6    | 2 35    | 0 0     | 0 0    | 21                             | 9        | 0 0    |
| 18                                     | 12       | 15 13  | 14 59  | 14 18   | 13 10   | 11 39   | 9 47     | 7 37     | 5 12   | 2 38    | 0 0     | 0 0    | 18                             | 12       | 0 0    |
| 15                                     | 15       | 15 27  | 15 13  | 14 32   | 13 22   | 11 50   | 9 56     | 7 44     | 5 17   | 2 41    | 0 0     | 0 0    | 15                             | 15       | 0 0    |
| 12                                     | 18       | 15 39  | 15 25  | 14 43   | 13 33   | 11 59   | 10 4     | 7 49     | 5 21   | 2 43    | 0 0     | 0 0    | 12                             | 18       | 0 0    |
| 9                                      | 21       | 15 48  | 15 34  | 14 51   | 13 41   | 12 6    | 10 10    | 7 54     | 5 24   | 2 45    | 0 0     | 0 0    | 9                              | 21       | 0 0    |
| 6                                      | 24       | 15 55  | 15 40  | 14 56   | 13 46   | 12 10   | 10 14    | 7 57     | 5 26   | 2 46    | 0 0     | 0 0    | 6                              | 24       | 0 0    |
| 3                                      | 27       | 15 58  | 15 44  | 14 59   | 13 50   | 12 13   | 10 16    | 7 59     | 5 28   | 2 47    | 0 0     | 0 0    | 3                              | 27       | 0 0    |
| III. 0                                 | III. 0   | 16 0   | 15 45  | 15 0    | 13 51   | 12 15   | 10 17    | 8 0      | 5 28   | 2 47    | 0 0     | 0 0    | IX. 0                          | IX. 0    | 0 0    |
|                                        |          |        |        |         |         |         |          |          |        |         |         |        | Sign. D.                       | Sign. D. |        |
| SECONDE LATITUDE BORÉALE.              |          |        |        |         |         |         |          |          |        |         |         |        | DISTANCE DE LA LUNE AU SOLEIL. |          |        |
| VI. 0                                  | V. 20    | V. 10  | V. 0   | IV. 20  | IV. 10  | IV. 0   | III. 20  | III. 10  | III. 0 | II. 20  | II. 10  | II. 0  | IX. 0                          | IX. 10   | IX. 20 |
| VI. 0                                  | VI. 10   | VI. 20 | VII. 0 | VII. 10 | VII. 20 | VIII. 0 | VIII. 10 | VIII. 20 | IX. 0  | IX. 10  | IX. 20  | IX. 0  | IX. 0                          | IX. 10   | IX. 20 |
| O. 0                                   | O. 10    | O. 20  | I. 0   | I. 10   | I. 20   | II. 0   | II. 10   | II. 20   | III. 0 | III. 10 | III. 20 | III. 0 | IX. 0                          | IX. 10   | IX. 20 |
| XII. 0                                 | XI. 20   | XI. 10 | XI. 0  | X. 20   | X. 10   | X. 0    | IX. 20   | IX. 10   | IX. 0  | IX. 10  | IX. 20  | IX. 0  | IX. 0                          | IX. 10   | IX. 20 |
| DISTANCE DU SOLEIL AU NŒUD DE LA LUNE. |          |        |        |         |         |         |          |          |        |         |         |        |                                |          |        |

TABLE XXI.  
DU DEMI-DIAMETRE, DE LA PARALLAXE HORIZONTALE,  
Et du Mouvement Horaire vrai & simple de la Lune.

| ANOMALIE<br>moyenne<br>de la Lune. |      | DEMI-DIAM.<br>horizontal<br>dans les<br>Conjonctions<br>& Oppositions. |      |       | PARALLAXE<br>horizontale<br>dans les<br>Conjonctions<br>& Oppositions. |      |       | MOUVEMENT<br>horaire vrai<br>dans les<br>Conjonctions<br>& Oppositions. |      |       | MOUVEMENT<br>horaire simple<br>dans les<br>Conjonctions<br>& Oppositions. |      |       | ANOMALIE<br>moyenne<br>de la Lune. |      |
|------------------------------------|------|------------------------------------------------------------------------|------|-------|------------------------------------------------------------------------|------|-------|-------------------------------------------------------------------------|------|-------|---------------------------------------------------------------------------|------|-------|------------------------------------|------|
| Sign.                              | Deg. | Min.                                                                   | Sec. | Diff. | Min.                                                                   | Sec. | Diff. | Min.                                                                    | Sec. | Diff. | Min.                                                                      | Sec. | Diff. | Sign.                              | Deg. |
| O.                                 | 0    | 14                                                                     | 45   | Sec.  | 54                                                                     | 33   | Sec.  | 29                                                                      | 37   | Sec.  | 30                                                                        | 11   | Sec.  | XII.                               | 0    |
|                                    | 5    | 14                                                                     | 45   | 0     | 54                                                                     | 35   | 2     | 29                                                                      | 38   | 1     | 30                                                                        | 12   | 1     |                                    | 25   |
|                                    | 10   | 14                                                                     | 46   | 1     | 54                                                                     | 37   | 2     | 29                                                                      | 39   | 1     | 30                                                                        | 14   | 2     |                                    | 20   |
|                                    | 15   | 14                                                                     | 47   | 1     | 54                                                                     | 40   | 3     | 29                                                                      | 42   | 3     | 30                                                                        | 17   | 3     |                                    | 15   |
|                                    | 20   | 14                                                                     | 48   | 1     | 54                                                                     | 44   | 4     | 29                                                                      | 47   | 5     | 30                                                                        | 21   | 4     |                                    | 10   |
|                                    | 25   | 14                                                                     | 50   | 2     | 54                                                                     | 50   | 6     | 29                                                                      | 54   | 7     | 30                                                                        | 26   | 5     |                                    | 5    |
| I.                                 | 0    | 14                                                                     | 52   | 2     | 54                                                                     | 57   | 7     | 30                                                                      | 3    | 9     | 30                                                                        | 32   | 6     | XI.                                | 0    |
|                                    | 5    | 14                                                                     | 54   | 2     |                                                                        |      | 9     |                                                                         |      | 10    |                                                                           |      | 7     |                                    | 25   |
|                                    | 10   | 14                                                                     | 57   | 3     | 55                                                                     | 6    | 11    | 30                                                                      | 13   | 11    | 30                                                                        | 39   | 8     |                                    | 20   |
|                                    | 15   | 15                                                                     | 0    | 3     | 55                                                                     | 17   | 11    | 30                                                                      | 24   | 11    | 30                                                                        | 47   | 8     |                                    | 15   |
|                                    | 20   | 15                                                                     | 3    | 3     | 55                                                                     | 28   | 13    | 30                                                                      | 35   | 13    | 30                                                                        | 55   | 10    |                                    | 10   |
|                                    | 25   | 15                                                                     | 7    | 4     | 55                                                                     | 41   | 14    | 30                                                                      | 48   | 15    | 31                                                                        | 5    | 11    |                                    | 5    |
| II.                                | 0    | 15                                                                     | 11   | 4     | 55                                                                     | 55   | 14    | 31                                                                      | 3    | 17    | 31                                                                        | 16   | 12    | X.                                 | 0    |
|                                    | 5    | 15                                                                     | 15   | 4     | 56                                                                     | 9    | 14    | 31                                                                      | 20   | 17    | 31                                                                        | 28   | 12    |                                    | 25   |
|                                    | 10   | 15                                                                     | 19   | 4     | 56                                                                     | 23   | 15    | 31                                                                      | 37   | 18    | 31                                                                        | 40   | 12    |                                    | 20   |
|                                    | 15   | 15                                                                     | 24   | 5     | 56                                                                     | 38   | 17    | 31                                                                      | 55   | 19    | 31                                                                        | 52   | 13    |                                    | 15   |
|                                    | 20   | 15                                                                     | 29   | 5     | 56                                                                     | 55   | 19    | 32                                                                      | 14   | 21    | 32                                                                        | 5    | 15    |                                    | 10   |
|                                    | 25   | 15                                                                     | 29   | 5     | 57                                                                     | 14   | 20    | 32                                                                      | 35   | 22    | 32                                                                        | 20   | 15    |                                    | 5    |
| III.                               | 0    | 15                                                                     | 34   | 5     | 57                                                                     | 34   | 20    | 32                                                                      | 57   | 22    | 32                                                                        | 35   | 15    | IX.                                | 0    |
|                                    | 5    | 15                                                                     | 39   | 5     | 57                                                                     | 54   | 20    | 33                                                                      | 19   | 22    | 32                                                                        | 50   | 15    |                                    | 25   |
|                                    | 10   | 15                                                                     | 44   | 5     | 58                                                                     | 13   | 19    | 33                                                                      | 41   | 22    | 33                                                                        | 5    | 14    |                                    | 20   |
|                                    | 15   | 15                                                                     | 49   | 6     | 58                                                                     | 32   | 20    | 34                                                                      | 3    | 23    | 33                                                                        | 19   | 15    |                                    | 15   |
|                                    | 20   | 15                                                                     | 55   | 6     | 58                                                                     | 52   | 20    | 34                                                                      | 26   | 24    | 33                                                                        | 34   | 16    |                                    | 10   |
|                                    | 25   | 16                                                                     | 0    | 6     | 59                                                                     | 12   | 20    | 34                                                                      | 50   | 24    | 33                                                                        | 50   | 15    |                                    | 5    |
| IV.                                | 0    | 16                                                                     | 6    | 6     | 59                                                                     | 32   | 20    | 35                                                                      | 14   | 22    | 34                                                                        | 5    | 15    | VIII.                              | 0    |
|                                    | 5    | 16                                                                     | 11   | 6     | 59                                                                     | 52   | 20    | 35                                                                      | 36   | 22    | 34                                                                        | 20   | 15    |                                    | 25   |
|                                    | 10   | 16                                                                     | 16   | 5     | 60                                                                     | 12   | 20    | 35                                                                      | 56   | 20    | 34                                                                        | 34   | 14    |                                    | 20   |
|                                    | 15   | 16                                                                     | 21   | 5     | 60                                                                     | 31   | 19    | 36                                                                      | 16   | 20    | 34                                                                        | 46   | 12    |                                    | 15   |
|                                    | 20   | 16                                                                     | 26   | 5     | 60                                                                     | 49   | 18    | 36                                                                      | 35   | 19    | 34                                                                        | 57   | 11    |                                    | 10   |
|                                    | 25   | 16                                                                     | 31   | 5     | 61                                                                     | 5    | 16    | 36                                                                      | 53   | 18    | 35                                                                        | 8    | 11    |                                    | 5    |
| V.                                 | 0    | 16                                                                     | 35   | 4     | 61                                                                     | 20   | 15    | 37                                                                      | 10   | 17    | 35                                                                        | 19   | 11    | VII.                               | 0    |
|                                    | 5    | 16                                                                     | 39   | 4     | 61                                                                     | 33   | 13    | 37                                                                      | 27   | 17    | 35                                                                        | 29   | 10    |                                    | 25   |
|                                    | 10   | 16                                                                     | 42   | 3     | 61                                                                     | 44   | 11    | 37                                                                      | 41   | 14    | 35                                                                        | 37   | 8     |                                    | 20   |
|                                    | 15   | 16                                                                     | 44   | 2     | 61                                                                     | 53   | 9     | 37                                                                      | 51   | 10    | 35                                                                        | 43   | 6     |                                    | 15   |
|                                    | 20   | 16                                                                     | 46   | 2     | 62                                                                     | 1    | 8     | 37                                                                      | 58   | 7     | 35                                                                        | 48   | 5     |                                    | 10   |
|                                    | 25   | 16                                                                     | 47   | 1     | 62                                                                     | 6    | 5     | 38                                                                      | 4    | 6     | 35                                                                        | 52   | 4     |                                    | 5    |
| VI.                                | 0    | 16                                                                     | 48   | 1     | 62                                                                     | 9    | 3     | 38                                                                      | 8    | 4     | 35                                                                        | 54   | 2     | VI.                                | 0    |
|                                    | 5    | 16                                                                     | 49   | 1     | 62                                                                     | 11   | 2     | 38                                                                      | 11   | 3     | 35                                                                        | 55   | 1     |                                    | 25   |

**TABLE XXII.**  
**DU DEMI-DIAM. ET DE LA PARALL. HORIZONT. DE LA LUNE**  
*Hors des Conjonctions & Oppositions.*

|                                |                                | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |            |                       |       |                      |       |                       |       |           |         |                                |                                |           |  |            |  |  |  |
|--------------------------------|--------------------------------|-------------------------------------------|------------|-----------------------|-------|----------------------|-------|-----------------------|-------|-----------|---------|--------------------------------|--------------------------------|-----------|--|------------|--|--|--|
|                                |                                | VI. Signes. 0 Degré.                      |            | VII. Signes. 0 Degré. |       | VIII. Sign. 0 Degré  |       | IX. Signes. 0 Degré.  |       |           |         |                                |                                |           |  |            |  |  |  |
| Distance de la Lune au Soleil. | Distance de la Lune au Soleil. | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |            |                       |       |                      |       |                       |       |           |         |                                |                                |           |  |            |  |  |  |
|                                |                                | O. Signe. 0 Degré.                        |            | I. Signe. 0 Degré.    |       | II. Signes. 0 Degré. |       | III. Signes. 0 Degré. |       |           |         |                                |                                |           |  |            |  |  |  |
|                                |                                | Sign. Deg.                                | Sign. Deg. | M. S.                 | M. S. | M. S.                | M. S. | M. S.                 | M. S. | M. S.     | M. S.   | M. S.                          | M. S.                          |           |  |            |  |  |  |
|                                |                                | Demi-dia.                                 |            | Parallaxe.            |       | Demi-dia.            |       | Parallaxe.            |       | Demi-dia. |         | Parallaxe.                     |                                | Demi-dia. |  | Parallaxe. |  |  |  |
| VI. 0                          | O. 0                           | 14 45                                     | 54 33      | 14 53                 | 55 2  | 15 15                | 56 22 | 15 45                 | 58 16 | XII. 0    | VI. 0   |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 14 46                                     | 54 37      | 14 57                 | 55 17 | 15 21                | 56 47 | 15 51                 | 58 38 | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 14 47                                     | 54 40      | 15 1                  | 55 32 | 15 26                | 57 5  | 15 56                 | 58 58 | 10        | 10      |                                |                                |           |  |            |  |  |  |
| VII. 0                         | I. 0                           | 14 49                                     | 54 46      | 15 5                  | 55 49 | 15 31                | 57 23 | 16 0                  | 59 12 | XI. 0     | V. 0    |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 14 52                                     | 54 57      | 15 10                 | 56 7  | 15 36                | 57 42 | 16 3                  | 59 23 | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 14 56                                     | 55 13      | 15 16                 | 56 28 | 15 41                | 58 0  | 16 5                  | 59 29 | 10        | 10      |                                |                                |           |  |            |  |  |  |
| VIII. 0                        | II. 0                          | 15 1                                      | 55 33      | 15 23                 | 56 51 | 15 46                | 58 19 | 16 6                  | 59 33 | X. 0      | IV. 0   |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 15 8                                      | 55 58      | 15 30                 | 57 19 | 15 51                | 58 39 | 16 6                  | 59 35 | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 15 16                                     | 56 27      | 15 38                 | 57 49 | 15 56                | 58 58 | 16 7                  | 59 37 | 10        | 10      |                                |                                |           |  |            |  |  |  |
| IX. 0                          | III. 0                         | 15 26                                     | 57 3       | 15 46                 | 58 21 | 16 1                 | 59 16 | 16 7                  | 59 37 | IX. 0     | III. 0  |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 15 37                                     | 57 46      | 15 56                 | 58 56 | 16 6                 | 59 35 | 16 7                  | 59 37 | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 15 49                                     | 58 32      | 16 6                  | 59 31 | 16 11                | 59 53 | 16 6                  | 59 35 | 10        | 10      |                                |                                |           |  |            |  |  |  |
| X. 0                           | IV. 0                          | 16 1                                      | 59 16      | 16 15                 | 60 8  | 16 16                | 60 10 | 16 6                  | 59 33 | VIII. 0   | II. 0   |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 16 13                                     | 60 0       | 16 24                 | 60 42 | 16 20                | 60 24 | 16 5                  | 59 29 | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 16 25                                     | 60 45      | 16 32                 | 61 9  | 16 23                | 60 35 | 16 3                  | 59 23 | 10        | 10      |                                |                                |           |  |            |  |  |  |
| XI. 0                          | V. 0                           | 16 35                                     | 61 20      | 16 37                 | 61 28 | 16 25                | 60 43 | 16 0                  | 59 12 | VII. 0    | I. 0    |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 16 43                                     | 61 48      | 16 41                 | 61 40 | 16 23                | 60 35 | 15 57                 | 58 58 | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 16 47                                     | 62 6       | 16 42                 | 61 44 | 16 20                | 60 24 | 15 52                 | 58 38 | 10        | 10      |                                |                                |           |  |            |  |  |  |
| XII. 0                         | VI. 0                          | 16 49                                     | 62 11      | 16 40                 | 61 38 | 16 16                | 60 10 | 15 45                 | 58 16 | VI. 0     | XII. 0  |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 16 47                                     | 62 6       | 16 35                 | 61 18 | 16 8                 | 59 39 | 15 37                 | 57 45 | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 16 43                                     | 61 48      | 16 27                 | 60 51 | 15 59                | 59 8  | 15 28                 | 57 13 | 10        | 10      |                                |                                |           |  |            |  |  |  |
| I. 0                           | VII. 0                         | 16 35                                     | 61 20      | 16 16                 | 60 12 | 15 49                | 58 27 | 15 19                 | 56 40 | V. 0      | XI. 0   |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 16 25                                     | 60 45      | 16 4                  | 59 27 | 15 37                | 57 47 | 15 11                 | 56 9  | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 16 13                                     | 60 1       | 15 51                 | 58 39 | 15 26                | 57 5  | 15 3                  | 55 37 | 10        | 10      |                                |                                |           |  |            |  |  |  |
| II. 0                          | VIII. 0                        | 16 1                                      | 59 16      | 15 39                 | 57 52 | 15 16                | 56 27 | 14 56                 | 55 14 | IV. 0     | X. 0    |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 15 49                                     | 58 32      | 15 27                 | 57 8  | 15 5                 | 55 47 | 14 51                 | 54 53 | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 15 37                                     | 57 46      | 15 16                 | 56 28 | 14 57                | 55 16 | 14 47                 | 54 40 | 10        | 10      |                                |                                |           |  |            |  |  |  |
| III. 0                         | IX. 0                          | 15 26                                     | 57 3       | 15 6                  | 55 51 | 14 51                | 54 55 | 14 46                 | 54 33 | III. 0    | IX. 0   |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 15 16                                     | 56 27      | 14 58                 | 55 22 | 14 47                | 54 42 | 14 47                 | 54 40 | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 15 8                                      | 55 58      | 14 52                 | 54 57 | 14 45                | 54 33 | 14 51                 | 54 53 | 10        | 10      |                                |                                |           |  |            |  |  |  |
| IV. 0                          | X. 0                           | 15 1                                      | 55 33      | 14 48                 | 54 44 | 14 46                | 54 37 | 14 56                 | 55 14 | II. 0     | VIII. 0 |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 14 56                                     | 55 13      | 14 46                 | 54 37 | 14 48                | 54 44 | 15 3                  | 55 37 | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 14 52                                     | 54 57      | 14 45                 | 54 33 | 14 51                | 54 55 | 15 11                 | 56 9  | 10        | 10      |                                |                                |           |  |            |  |  |  |
| V. 0                           | XI. 0                          | 14 49                                     | 54 46      | 14 45                 | 54 33 | 14 56                | 55 14 | 15 20                 | 56 40 | I. 0      | VII. 0  |                                |                                |           |  |            |  |  |  |
| 10                             | 10                             | 14 47                                     | 54 40      | 14 47                 | 54 39 | 15 1                 | 55 34 | 15 29                 | 57 13 | 20        | 20      |                                |                                |           |  |            |  |  |  |
| 20                             | 20                             | 14 46                                     | 54 37      | 14 50                 | 54 50 | 15 7                 | 55 56 | 15 37                 | 57 45 | 10        | 10      |                                |                                |           |  |            |  |  |  |
| VI. 0                          | XII. 0                         | 14 45                                     | 54 33      | 14 53                 | 55 3  | 15 15                | 56 22 | 15 45                 | 58 16 | O. 0      | VI. 0   |                                |                                |           |  |            |  |  |  |
|                                |                                | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |            |                       |       |                      |       |                       |       |           |         | Sign. Deg.                     | Sign. Deg.                     |           |  |            |  |  |  |
|                                |                                | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |            |                       |       |                      |       |                       |       |           |         | Distance de la Lune au Soleil. | Distance de la Lune au Soleil. |           |  |            |  |  |  |
|                                |                                | VI. Signes 0 Degré.                       |            | V. Signes 0 Degré.    |       | IV. Signes 0 Degré.  |       | III. Signes 0 Degré.  |       |           |         |                                |                                |           |  |            |  |  |  |
|                                |                                | DISTANCE DU SOLEIL A L'APOGÉE DE LA LUNE. |            |                       |       |                      |       |                       |       |           |         |                                |                                |           |  |            |  |  |  |

TABLE XXIII.  
DE L'AUGMENTATION  
DU DEMI-DIAMETRE  
HORIZONTAL  
DE LA LUNE

A divers degrés de hauteur sur l'horison.

| Hau-<br>teur<br>sur<br>l'Ho-<br>rison. | DEMI-DIAMETRE HORIZONTAL. |       |       |       |       |       |
|----------------------------------------|---------------------------|-------|-------|-------|-------|-------|
|                                        | M. S.                     | M. S. | M. S. | M. S. | M. S. | M. S. |
|                                        | 14 30                     | 15 0  | 15 30 | 16 0  | 16 30 | 17 0  |
| Degres.                                | Sec.                      | Sec.  | Sec.  | Sec.  | Sec.  | Sec.  |
| 0                                      | 0                         | 0     | 0     | 0     | 0     | 0     |
| 3                                      | 0                         | 0     | 1     | 1     | 1     | 1     |
| 6                                      | 1                         | 1     | 2     | 2     | 2     | 2     |
| 9                                      | 2                         | 2     | 2     | 2     | 3     | 3     |
| 12                                     | 3                         | 3     | 3     | 3     | 4     | 4     |
| 15                                     | 4                         | 4     | 4     | 4     | 5     | 5     |
| 18                                     | 4                         | 4     | 5     | 5     | 5     | 6     |
| 21                                     | 5                         | 5     | 6     | 6     | 6     | 7     |
| 24                                     | 5                         | 6     | 6     | 6     | 7     | 7     |
| 27                                     | 6                         | 6     | 7     | 7     | 8     | 8     |
| 30                                     | 7                         | 7     | 8     | 8     | 9     | 9     |
| 33                                     | 7                         | 8     | 8     | 9     | 9     | 10    |
| 36                                     | 8                         | 8     | 9     | 10    | 10    | 11    |
| 39                                     | 8                         | 9     | 10    | 10    | 11    | 11    |
| 42                                     | 9                         | 9     | 10    | 11    | 12    | 12    |
| 45                                     | 10                        | 10    | 11    | 12    | 13    | 13    |
| 48                                     | 10                        | 10    | 12    | 12    | 13    | 14    |
| 51                                     | 11                        | 11    | 12    | 13    | 14    | 15    |
| 54                                     | 11                        | 11    | 13    | 13    | 14    | 15    |
| 57                                     | 11                        | 12    | 13    | 14    | 15    | 16    |
| 60                                     | 12                        | 12    | 13    | 14    | 16    | 17    |
| 63                                     | 12                        | 13    | 14    | 15    | 16    | 17    |
| 66                                     | 12                        | 13    | 14    | 15    | 16    | 18    |
| 69                                     | 12                        | 14    | 14    | 15    | 17    | 18    |
| 72                                     | 13                        | 14    | 15    | 16    | 17    | 18    |
| 75                                     | 13                        | 14    | 15    | 16    | 17    | 18    |
| 78                                     | 13                        | 14    | 15    | 16    | 17    | 18    |
| 81                                     | 13                        | 14    | 15    | 16    | 17    | 18    |
| 84                                     | 13                        | 14    | 15    | 16    | 17    | 18    |
| 87                                     | 13                        | 14    | 15    | 16    | 17    | 18    |
| 90                                     | 13                        | 14    | 15    | 16    | 17    | 18    |

TABLE XXIV.  
DE LA PARALLAXE  
DE LA LUNE

A divers degrés de hauteur sur l'horison.

| PARALLAXE HORIZONTAL. |       |       |       |       |       |       |       |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|
| M. S.                 | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. |
| 54 0                  | 55 0  | 56 0  | 58 0  | 60 0  | 61 0  | 62 0  | 63 0  |
| M. S.                 | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. |
| 54 0                  | 55 0  | 56 0  | 58 0  | 60 0  | 61 0  | 62 0  | 63 0  |
| 53 55                 | 54 55 | 55 55 | 57 55 | 59 55 | 60 55 | 61 55 | 62 55 |
| 53 42                 | 54 42 | 55 41 | 57 41 | 59 40 | 60 40 | 61 40 | 62 39 |
| 53 20                 | 54 20 | 55 19 | 57 17 | 59 16 | 60 15 | 61 14 | 62 14 |
| 52 49                 | 53 48 | 54 46 | 56 44 | 58 41 | 59 40 | 60 38 | 61 37 |
| 52 9                  | 53 7  | 54 6  | 56 2  | 57 57 | 58 56 | 59 52 | 60 51 |
| 51 22                 | 52 19 | 53 16 | 55 10 | 57 4  | 58 1  | 58 58 | 59 55 |
| 50 25                 | 51 21 | 52 17 | 54 9  | 56 1  | 56 57 | 57 52 | 58 49 |
| 49 20                 | 50 15 | 51 10 | 52 59 | 54 49 | 55 44 | 56 36 | 57 33 |
| 48 7                  | 49 1  | 49 54 | 51 41 | 53 28 | 54 21 | 55 14 | 56 8  |
| 46 46                 | 47 38 | 48 30 | 50 14 | 51 58 | 52 50 | 53 42 | 54 34 |
| 45 17                 | 46 7  | 46 58 | 48 38 | 50 19 | 51 9  | 52 0  | 52 50 |
| 43 41                 | 44 29 | 45 18 | 46 55 | 48 32 | 49 21 | 50 8  | 50 58 |
| 41 57                 | 42 44 | 43 31 | 45 5  | 46 37 | 47 24 | 48 10 | 48 58 |
| 40 7                  | 40 52 | 41 37 | 43 6  | 44 35 | 45 20 | 46 4  | 46 49 |
| 38 10                 | 38 53 | 39 35 | 41 0  | 42 25 | 43 9  | 43 50 | 44 32 |
| 36 8                  | 36 48 | 37 28 | 38 49 | 40 9  | 40 49 | 41 28 | 42 9  |
| 33 59                 | 34 37 | 35 15 | 36 30 | 37 46 | 38 24 | 39 0  | 39 39 |
| 31 44                 | 32 20 | 32 55 | 34 5  | 35 16 | 35 51 | 36 26 | 37 2  |
| 29 25                 | 29 58 | 30 30 | 31 36 | 32 41 | 33 14 | 33 46 | 34 19 |
| 27 0                  | 27 30 | 28 0  | 29 0  | 30 0  | 30 30 | 31 0  | 31 30 |
| 24 31                 | 24 58 | 25 25 | 26 20 | 27 14 | 27 41 | 28 8  | 28 36 |
| 21 58                 | 22 22 | 22 46 | 23 35 | 24 24 | 24 48 | 25 12 | 25 38 |
| 19 21                 | 19 42 | 20 4  | 20 47 | 21 30 | 21 51 | 22 12 | 22 34 |
| 16 41                 | 16 59 | 17 18 | 17 55 | 18 32 | 18 51 | 19 8  | 19 28 |
| 13 58                 | 14 14 | 14 29 | 15 0  | 15 31 | 15 47 | 16 2  | 16 18 |
| 11 13                 | 11 26 | 11 38 | 12 3  | 12 28 | 12 40 | 12 52 | 13 5  |
| 8 27                  | 8 36  | 8 45  | 9 4   | 9 23  | 9 32  | 9 42  | 9 51  |
| 5 38                  | 5 45  | 5 51  | 6 3   | 6 16  | 6 22  | 6 28  | 6 35  |
| 2 49                  | 2 52  | 2 55  | 3 2   | 3 8   | 3 11  | 3 14  | 3 17  |
| 0 0                   | 0 0   | 0 0   | 0 0   | 0 0   | 0 0   | 0 0   | 0 0   |



TABLE XXV.  
DE L'INCLINAISON  
DE L'ORBITE DE LA LUNE  
Avec le Cercle de Latitude.

INCLINAISON VERS L'OCCIDENT.

| Argu-<br>ment<br>de la<br>Latit. | O. Signe. |       | I. Signe. |       | II. Signes. |       |    |
|----------------------------------|-----------|-------|-----------|-------|-------------|-------|----|
|                                  | D.        | M. S. | D.        | M. S. | D.          | M. S. |    |
| 0                                | 84        | 59 0  | 85        | 39 25 | 87          | 29 39 | 30 |
| 1                                | 84        | 59 3  | 85        | 42 5  | 87          | 34 13 | 29 |
| 2                                | 84        | 59 11 | 85        | 44 50 | 87          | 38 50 | 28 |
| 3                                | 84        | 59 25 | 85        | 47 40 | 87          | 43 29 | 27 |
| 4                                | 84        | 59 44 | 85        | 50 34 | 87          | 48 11 | 26 |
| 5                                | 85        | 0 9   | 85        | 53 33 | 87          | 52 55 | 25 |
| 6                                | 85        | 0 40  | 85        | 56 36 | 87          | 57 42 | 24 |
| 7                                | 85        | 1 15  | 85        | 59 44 | 88          | 2 31  | 23 |
| 8                                | 85        | 1 57  | 86        | 2 57  | 88          | 7 22  | 22 |
| 9                                | 85        | 2 43  | 86        | 6 13  | 88          | 12 15 | 21 |
| 10                               | 85        | 3 35  | 86        | 9 33  | 88          | 17 10 | 20 |
| 11                               | 85        | 4 33  | 86        | 12 58 | 88          | 22 7  | 19 |
| 12                               | 85        | 5 36  | 86        | 16 27 | 88          | 27 6  | 18 |
| 13                               | 85        | 6 45  | 86        | 20 0  | 88          | 32 6  | 17 |
| 14                               | 85        | 7 58  | 86        | 23 37 | 88          | 37 8  | 16 |
| 15                               | 85        | 9 17  | 86        | 27 18 | 88          | 42 11 | 15 |
| 16                               | 85        | 10 42 | 86        | 31 3  | 88          | 47 16 | 14 |
| 17                               | 85        | 12 11 | 86        | 34 51 | 88          | 52 22 | 13 |
| 18                               | 85        | 13 46 | 86        | 38 44 | 88          | 57 30 | 12 |
| 19                               | 85        | 15 26 | 86        | 42 40 | 89          | 2 39  | 11 |
| 20                               | 85        | 17 12 | 86        | 46 40 | 89          | 7 48  | 10 |
| 21                               | 85        | 19 3  | 86        | 50 43 | 89          | 12 59 | 9  |
| 22                               | 85        | 20 58 | 86        | 54 50 | 89          | 18 10 | 8  |
| 23                               | 85        | 22 59 | 86        | 59 0  | 89          | 23 22 | 7  |
| 24                               | 85        | 25 5  | 87        | 3 14  | 89          | 28 35 | 6  |
| 25                               | 85        | 27 16 | 87        | 7 30  | 89          | 33 48 | 5  |
| 26                               | 85        | 29 32 | 87        | 11 50 | 89          | 39 2  | 4  |
| 27                               | 85        | 31 53 | 87        | 16 13 | 89          | 44 16 | 3  |
| 28                               | 85        | 34 19 | 87        | 20 39 | 89          | 49 31 | 2  |
| 29                               | 85        | 36 49 | 87        | 25 8  | 89          | 54 45 | 1  |
| 30                               | 85        | 39 25 | 87        | 29 39 | 90          | 0 0   | 0  |

Deg.

INCLINAISON VERS L'ORIENT.

TABLE XXVI.  
DE L'ANGLE  
DE REDUCTION.

Mouvement Horaire de la Lune, vrai. MOUVEMENT HORAIRE DU SOLEIL, VRAI.

| M. S. | M. S. |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|
|       | 2 23  | 2 25  | 2 27  | 2 29  | 2 31  | 2 33  |
| M. S. | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. |
| 29 30 | 27 48 | 28 13 | 28 39 | 29 4  | 29 30 | 29 56 |
| 29 40 | 27 38 | 28 3  | 28 28 | 28 53 | 29 19 | 29 45 |
| 29 50 | 27 28 | 27 53 | 28 18 | 28 43 | 29 8  | 29 34 |
| 30 0  | 27 18 | 27 43 | 28 8  | 28 33 | 28 58 | 29 24 |
| 30 20 | 26 59 | 27 24 | 27 49 | 28 13 | 28 38 | 29 4  |
| 30 40 | 26 40 | 27 5  | 27 30 | 27 53 | 28 18 | 28 44 |
| 31 0  | 26 21 | 26 46 | 27 11 | 27 34 | 27 58 | 28 24 |
| 31 20 | 26 3  | 26 27 | 26 52 | 27 15 | 27 38 | 28 4  |
| 31 40 | 25 45 | 26 9  | 26 33 | 26 56 | 27 19 | 27 44 |
| 32 0  | 25 28 | 25 51 | 26 14 | 26 37 | 27 0  | 27 24 |
| 32 20 | 25 11 | 25 33 | 25 56 | 26 19 | 26 41 | 27 5  |
| 32 40 | 24 54 | 25 17 | 25 39 | 26 1  | 26 23 | 26 46 |
| 33 0  | 24 38 | 25 0  | 25 22 | 25 44 | 26 6  | 26 28 |
| 33 20 | 24 22 | 24 44 | 25 6  | 25 27 | 25 49 | 26 11 |
| 33 40 | 24 6  | 24 28 | 24 50 | 25 11 | 25 33 | 25 55 |
| 34 0  | 23 51 | 24 12 | 24 34 | 24 55 | 25 17 | 25 39 |
| 34 20 | 23 36 | 23 57 | 24 19 | 24 39 | 25 1  | 25 23 |
| 34 40 | 23 21 | 23 42 | 24 4  | 24 24 | 24 46 | 25 7  |
| 35 0  | 23 7  | 23 28 | 23 49 | 24 9  | 24 31 | 24 52 |
| 35 20 | 22 53 | 23 14 | 23 34 | 23 54 | 24 16 | 24 37 |
| 35 40 | 22 39 | 23 0  | 23 20 | 23 40 | 24 1  | 24 22 |
| 36 0  | 22 26 | 22 46 | 23 6  | 23 26 | 23 46 | 24 7  |
| 36 20 | 22 13 | 22 33 | 22 53 | 23 12 | 23 32 | 23 53 |
| 36 40 | 22 0  | 22 20 | 22 39 | 22 59 | 23 18 | 23 39 |
| 37 0  | 21 47 | 22 7  | 22 26 | 22 46 | 23 5  | 23 25 |
| 37 20 | 21 35 | 21 54 | 22 13 | 22 33 | 22 52 | 23 12 |
| 37 40 | 21 23 | 21 41 | 22 0  | 22 20 | 22 39 | 22 59 |
| 38 0  | 21 11 | 21 29 | 21 48 | 22 7  | 22 26 | 22 46 |
| 38 10 | 21 5  | 21 23 | 21 42 | 22 1  | 22 20 | 22 40 |
| 38 20 | 21 0  | 21 16 | 21 36 | 21 55 | 22 14 | 22 34 |

TABLE XXVII.  
DES EPACTES.

| EPACTES<br>DES ANNÉES JULIENNES<br>Avant Jesus - Christ. |       |    |       | EPACTES<br>DES ANNÉES. |       |    |       | EPACTES<br>DES MOIS.                          |        |    |       |
|----------------------------------------------------------|-------|----|-------|------------------------|-------|----|-------|-----------------------------------------------|--------|----|-------|
| Années.                                                  | Jour. | H. | M. S. | Années.                | Jour. | H. | M. S. | Mois.                                         | Jours. | H. | M. S. |
| Biff. 600                                                | 2     | 15 | 34 15 | 1                      | 10    | 15 | 11 22 | Janvier...                                    | 0      | 0  | 0 0   |
| Biff. 100                                                | 10    | 11 | 16 57 | 2                      | 21    | 6  | 22 45 | Février...                                    | 1      | 11 | 15 57 |
| Biff. 0                                                  | 6     | 3  | 4 43  | 3                      | 2     | 8  | 50 4  | Mars.....                                     | 29     | 11 | 15 57 |
| Épactes des Années Juliennes<br>après Jesus-Christ.      |       |    |       | Biffext. 4             | 14    | 0  | 1 27  | Avril.....                                    | 1      | 9  | 47 50 |
|                                                          |       |    |       | 5                      | 24    | 15 | 12 50 | Mai.....                                      | 1      | 21 | 3 47  |
| Biff. 100                                                | 1     | 18 | 52 33 | 6                      | 5     | 17 | 40 9  | Juin.....                                     | 3      | 8  | 19 43 |
| Biff. 1000                                               | 21    | 18 | 30 17 | 7                      | 16    | 8  | 51 31 | Juillet...                                    | 3      | 19 | 35 40 |
| Biff. 1500                                               | 0     | 1  | 28 57 | Biff. 8                | 28    | 0  | 2 54  | Août.....                                     | 5      | 6  | 51 37 |
| Épact. des Années Grégoriennes<br>après Jesus-Christ.    |       |    |       | 9                      | 9     | 2  | 30 14 | Septembre                                     | 6      | 18 | 7 33  |
|                                                          |       |    |       | 10                     | 19    | 17 | 41 36 | Octobre..                                     | 7      | 5  | 23 29 |
| Biff. 1600                                               | 15    | 6  | 0 44  | 11                     | 0     | 20 | 8 56  | Novembre                                      | 8      | 16 | 39 26 |
| Com. 1700                                                | 9     | 21 | 48 27 | Biff. 12               | 12    | 11 | 20 18 | Décembre                                      | 9      | 3  | 55 23 |
| 1701                                                     | 20    | 12 | 59 49 | 13                     | 23    | 2  | 31 40 |                                               |        |    |       |
| 1702                                                     | 1     | 15 | 27 9  | 14                     | 4     | 4  | 59 0  |                                               |        |    |       |
| 1703                                                     | 12    | 6  | 38 31 | 15                     | 14    | 20 | 10 22 |                                               |        |    |       |
| Biff. 1704                                               | 23    | 21 | 49 54 | Biff. 16               | 26    | 11 | 21 45 | RÉVOLUTIONS MOYENNES<br>de la Lune au Soleil. |        |    |       |
| 1705                                                     | 5     | 0  | 17 14 | 17                     | 7     | 13 | 49 4  |                                               |        |    |       |
| 1706                                                     | 15    | 15 | 28 36 | 18                     | 18    | 5  | 0 27  | Révolutions                                   | Jours. | H. | M. S. |
| 1707                                                     | 26    | 6  | 39 59 | 19                     | 28    | 20 | 11 49 | 1                                             | 29     | 12 | 44 3  |
| Biff. 1708                                               | 8     | 9  | 7 19  | Biff. 20               | 10    | 22 | 39 10 | 2                                             | 59     | 1  | 28 7  |
| 1709                                                     | 19    | 0  | 18 42 | Biff. 40               | 21    | 21 | 18 20 | 3                                             | 88     | 14 | 12 10 |
| 1710                                                     | 0     | 2  | 46 2  | Biff. 60               | 3     | 7  | 13 27 | 4                                             | 118    | 2  | 56 13 |
| 1711                                                     | 10    | 17 | 57 24 | Biff. 80               | 14    | 5  | 52 37 | 5                                             | 147    | 15 | 40 17 |
| Biff. 1712                                               | 22    | 9  | 8 47  | Com. 100               | 24    | 4  | 31 47 | 6                                             | 177    | 4  | 24 20 |
| 1713                                                     | 3     | 11 | 36 6  | Biff. 100              | 25    | 4  | 31 47 | 7                                             | 206    | 17 | 8 23  |
| 1714                                                     | 14    | 2  | 47 29 | Biff. 200              | 20    | 20 | 19 32 | 8                                             | 236    | 5  | 52 27 |
| 1715                                                     | 24    | 17 | 58 51 | Biff. 300              | 16    | 12 | 7 16  | 9                                             | 265    | 18 | 36 30 |
| Biff. 1716                                               | 6     | 20 | 26 11 | Biff. 400              | 12    | 3  | 55 0  | 10                                            | 295    | 7  | 20 33 |
| 1717                                                     | 17    | 11 | 37 33 | Biff. 500              | 7     | 19 | 42 43 | 11                                            | 324    | 20 | 4 36  |
| 1718                                                     | 27    | 26 | 48 56 | Biff. 1000             | 15    | 15 | 25 29 | 12                                            | 354    | 8  | 48 40 |
| 1719                                                     | 9     | 5  | 16 15 | Biff. 2000             | 1     | 18 | 6 55  | 13                                            | 383    | 21 | 32 43 |
| Biff. 1720                                               | 20    | 20 | 27 38 | Biff. 4000             | 3     | 12 | 13 50 |                                               |        |    |       |

TABLE XXVIII.  
DE LA DIFFERENCE  
ENTRE L'OPPOSITION  
ET LE MILIEU  
DE L'ECLIPSE.

| Latitude. | Inclinaison apparente de l'Orbite.         |       |       |       |
|-----------|--------------------------------------------|-------|-------|-------|
|           | D. M.                                      | D. M. | D. M. | D. M. |
|           | 84 30                                      | 84 25 | 84 20 | 84 15 |
| Min.      | Diff. entre l'Oppof. & le milieu de l'Ecl. |       |       |       |
| 0         | 0 0                                        | 0 0   | 0 0   | 0 0   |
| 2         | 0 12                                       | 0 12  | 0 12  | 0 12  |
| 4         | 0 23                                       | 0 23  | 0 24  | 0 24  |
| 6         | 0 35                                       | 0 35  | 0 36  | 0 36  |
| 8         | 0 46                                       | 0 47  | 0 48  | 0 48  |
| 10        | 0 58                                       | 0 58  | 0 59  | 1 0   |
| 12        | 1 10                                       | 1 10  | 1 11  | 1 12  |
| 14        | 1 21                                       | 1 22  | 1 23  | 1 24  |
| 16        | 1 33                                       | 1 34  | 1 35  | 1 36  |
| 18        | 1 44                                       | 1 46  | 1 47  | 1 48  |
| 20        | 1 55                                       | 1 57  | 1 58  | 2 0   |
| 22        | 2 7                                        | 2 9   | 2 10  | 2 12  |
| 24        | 2 18                                       | 2 20  | 2 22  | 2 24  |
| 26        | 2 30                                       | 2 32  | 2 34  | 2 36  |
| 28        | 2 41                                       | 2 44  | 2 46  | 2 48  |
| 30        | 2 52                                       | 2 55  | 2 57  | 3 0   |
| 32        | 3 4                                        | 3 7   | 3 10  | 3 12  |
| 34        | 3 15                                       | 3 18  | 3 21  | 3 24  |
| 36        | 3 27                                       | 3 30  | 3 33  | 3 36  |
| 38        | 3 38                                       | 3 41  | 3 45  | 3 48  |
| 40        | 3 50                                       | 3 53  | 3 57  | 4 0   |
| 42        | 4 2                                        | 4 5   | 4 9   | 4 12  |
| 44        | 4 14                                       | 4 17  | 4 21  | 4 24  |
| 46        | 4 25                                       | 4 28  | 4 32  | 4 36  |
| 48        | 4 37                                       | 4 40  | 4 44  | 4 48  |
| 50        | 4 48                                       | 4 52  | 4 56  | 5 1   |
| 52        | 5 0                                        | 5 4   | 5 8   | 5 13  |
| 54        | 5 11                                       | 5 16  | 5 20  | 5 25  |
| 56        | 5 22                                       | 5 27  | 5 32  | 5 37  |
| 58        | 5 34                                       | 5 39  | 5 44  | 5 49  |
| 60        | 5 45                                       | 5 50  | 5 56  | 6 1   |
| 62        | 5 57                                       | 6 2   | 6 7   | 6 13  |
| 64        | 6 8                                        | 6 14  | 6 19  | 6 25  |

TABLE XXIX.  
DE LA DEMI-DUREE  
DES ECLIPSES TOTALES  
Dans l'Ombre de la Terre.

| Latitude. | Différ. entre les Demi-diam. de l'Ombre & de la Lune. |       |       |       |       |       |
|-----------|-------------------------------------------------------|-------|-------|-------|-------|-------|
|           | D. M.                                                 | D. M. | D. M. | D. M. | D. M. | D. M. |
|           | 24 0                                                  | 25 0  | 26 0  | 27 0  | 28 0  | 29 0  |
|           | 24 0                                                  | 25 0  | 26 0  | 27 0  | 28 0  | 29 0  |
| Min.      | Demi-durée des Eclipses totales en Minutes de degré.  |       |       |       |       |       |
| 0         | 24 0                                                  | 25 0  | 26 0  | 27 0  | 28 0  | 29 0  |
| 1         | 23 59                                                 | 24 59 | 25 59 | 26 59 | 27 59 | 28 59 |
| 2         | 23 55                                                 | 24 55 | 25 55 | 26 55 | 27 56 | 28 56 |
| 3         | 23 49                                                 | 24 49 | 25 50 | 26 50 | 27 50 | 28 51 |
| 4         | 23 40                                                 | 24 41 | 25 41 | 26 42 | 27 43 | 28 43 |
| 5         | 23 29                                                 | 24 30 | 25 31 | 26 32 | 27 33 | 28 34 |
| 6         | 23 15                                                 | 24 16 | 25 18 | 26 19 | 27 21 | 28 22 |
| 7         | 22 58                                                 | 24 0  | 25 2  | 26 4  | 27 6  | 28 8  |
| 8         | 22 38                                                 | 23 41 | 24 44 | 25 47 | 26 49 | 27 52 |
| 9         | 22 16                                                 | 23 20 | 24 23 | 25 27 | 26 30 | 27 33 |
| 10        | 21 50                                                 | 22 55 | 24 0  | 25 5  | 26 9  | 27 13 |
| 11        | 21 21                                                 | 22 28 | 23 35 | 24 41 | 25 46 | 26 51 |
| 12        | 20 49                                                 | 21 57 | 23 5  | 24 13 | 25 19 | 26 25 |
| 13        | 20 13                                                 | 21 23 | 22 33 | 23 42 | 24 50 | 25 57 |
| 14        | 19 33                                                 | 20 45 | 21 56 | 23 7  | 24 16 | 25 25 |
| 15        | 18 48                                                 | 20 3  | 21 17 | 22 30 | 23 41 | 24 52 |
| 16        | 17 57                                                 | 19 15 | 20 32 | 21 48 | 23 2  | 24 14 |
| 17        | 17 1                                                  | 18 23 | 19 43 | 21 1  | 22 18 | 23 33 |
| 18        | 15 58                                                 | 17 26 | 18 50 | 20 11 | 21 30 | 22 48 |
| 19        | 14 47                                                 | 16 21 | 17 50 | 19 16 | 20 38 | 21 59 |
| 20        | 13 25                                                 | 15 7  | 16 43 | 18 14 | 19 41 | 21 5  |
| 21        | 11 48                                                 | 13 43 | 15 27 | 17 5  | 18 38 | 20 6  |
| 22        | 9 50                                                  | 12 4  | 14 1  | 15 47 | 17 27 | 19 1  |
| 23        | 7 14                                                  | 10 4  | 12 20 | 14 19 | 16 7  | 17 48 |
| 24        | 2 22                                                  | 7 24  | 10 17 | 12 35 | 14 37 | 16 27 |
| 25        |                                                       | 2 28  | 7 33  | 10 30 | 12 50 | 14 54 |
| 26        |                                                       |       | 2 34  | 7 43  | 10 42 | 13 5  |
| 27        |                                                       |       |       | 2 40  | 7 52  | 10 55 |
| 28        |                                                       |       |       |       | 2 46  | 8 2   |
| 29        |                                                       |       |       |       |       | 2 52  |
| 30        |                                                       |       |       |       |       | 8 12  |
| 31        |                                                       |       |       |       |       | 2 58  |
| 32        |                                                       |       |       |       |       |       |

Différence additive, lorsque l'inclinaison est vers l'Orient.  
Soustractive, lorsqu'elle est vers l'Occident.

TABLE XXX.  
DE LA DEMI-DUREE DES ECLIPSES DE LA LUNE  
En Minutes & Secondes de Degré.

| Latitude. |       | SOMME DES DEMI-DIAMETRES DE LA LUNE ET DE L'OMBRE DE LA TERRE.   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|-----------|-------|------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
|           |       | D. M.                                                            | D. M. | D. M. | D. M. | D. M. | D. M. | D. M. | D. M. | D. M. | D. M. | D. M. | D. M. | D. M. | D. M. | D. M. |  |
|           |       | 53 0                                                             | 54 0  | 55 0  | 56 0  | 57 0  | 58 0  | 59 0  | 60 0  | 61 0  | 62 0  | 63 0  | 64 0  |       |       |       |  |
|           |       | DEMI-DUREE DES ECLIPSES DE LUNE EN MINUTES ET SECONDES DE DEGRE. |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
| Min.      | M. S. | M. S.                                                            | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. | M. S. |  |
| 0         | 53 0  | 54 0                                                             | 55 0  | 56 0  | 57 0  | 58 0  | 59 0  | 60 0  | 61 0  | 62 0  | 63 0  | 64 0  |       |       |       |       |  |
| 1         | 53 0  | 54 0                                                             | 55 0  | 56 0  | 57 0  | 57 58 | 59 0  | 60 0  | 61 0  | 62 0  | 64 0  | 64 0  |       |       |       |       |  |
| 2         | 52 58 | 53 58                                                            | 54 58 | 55 58 | 56 58 | 57 58 | 58 58 | 59 58 | 60 58 | 61 58 | 62 58 | 63 58 |       |       |       |       |  |
| 3         | 52 55 | 53 55                                                            | 54 55 | 55 55 | 56 55 | 57 55 | 58 55 | 59 55 | 60 55 | 61 56 | 62 56 | 63 56 |       |       |       |       |  |
| 4         | 52 51 | 53 51                                                            | 54 51 | 55 51 | 56 52 | 57 52 | 58 52 | 59 52 | 60 52 | 61 53 | 62 53 | 63 53 |       |       |       |       |  |
| 5         | 52 46 | 53 46                                                            | 54 46 | 55 46 | 56 47 | 57 47 | 58 48 | 59 48 | 60 48 | 61 48 | 62 49 | 63 49 |       |       |       |       |  |
| 6         | 52 40 | 53 40                                                            | 54 40 | 55 40 | 56 41 | 57 41 | 58 42 | 59 42 | 60 42 | 61 42 | 62 43 | 63 43 |       |       |       |       |  |
| 7         | 52 33 | 53 33                                                            | 54 33 | 55 34 | 56 34 | 57 34 | 58 35 | 59 35 | 60 36 | 61 36 | 62 37 | 63 37 |       |       |       |       |  |
| 8         | 52 24 | 53 25                                                            | 54 25 | 55 26 | 56 26 | 57 27 | 58 27 | 59 28 | 60 29 | 61 29 | 62 30 | 63 30 |       |       |       |       |  |
| 9         | 52 14 | 53 15                                                            | 54 16 | 55 17 | 56 17 | 57 18 | 58 19 | 59 20 | 60 20 | 61 21 | 62 22 | 63 22 |       |       |       |       |  |
| 10        | 52 3  | 53 4                                                             | 54 5  | 55 6  | 56 7  | 57 8  | 58 9  | 59 10 | 60 11 | 61 12 | 62 13 | 63 13 |       |       |       |       |  |
| 11        | 51 51 | 52 52                                                            | 53 53 | 54 54 | 55 56 | 56 57 | 57 58 | 58 59 | 60 0  | 61 1  | 62 2  | 63 3  |       |       |       |       |  |
| 12        | 51 38 | 52 39                                                            | 53 40 | 54 42 | 55 44 | 56 45 | 57 46 | 58 48 | 59 49 | 60 50 | 61 51 | 62 52 |       |       |       |       |  |
| 13        | 51 23 | 52 25                                                            | 53 26 | 54 28 | 55 30 | 56 32 | 57 33 | 58 35 | 59 37 | 60 38 | 61 39 | 62 40 |       |       |       |       |  |
| 14        | 51 7  | 52 9                                                             | 53 11 | 54 13 | 55 15 | 56 17 | 57 19 | 58 21 | 59 23 | 60 24 | 61 26 | 62 27 |       |       |       |       |  |
| 15        | 50 50 | 51 52                                                            | 52 54 | 53 56 | 54 58 | 56 0  | 57 3  | 58 5  | 59 7  | 60 9  | 61 12 | 62 14 |       |       |       |       |  |
| 16        | 50 32 | 51 34                                                            | 52 36 | 53 38 | 54 41 | 55 43 | 56 46 | 57 49 | 58 51 | 59 53 | 60 56 | 61 59 |       |       |       |       |  |
| 17        | 50 12 | 51 15                                                            | 52 17 | 53 20 | 54 22 | 55 25 | 56 28 | 57 31 | 58 34 | 59 37 | 60 40 | 61 43 |       |       |       |       |  |
| 18        | 49 51 | 50 54                                                            | 51 57 | 53 0  | 54 3  | 55 6  | 56 9  | 57 13 | 58 16 | 59 19 | 60 23 | 61 26 |       |       |       |       |  |
| 19        | 49 29 | 50 33                                                            | 51 36 | 52 40 | 53 44 | 54 47 | 55 50 | 56 54 | 57 58 | 59 1  | 60 5  | 61 8  |       |       |       |       |  |
| 20        | 49 6  | 50 11                                                            | 51 15 | 52 19 | 53 23 | 54 27 | 55 31 | 56 35 | 57 39 | 58 43 | 59 47 | 60 50 |       |       |       |       |  |
| 21        | 48 42 | 49 47                                                            | 50 52 | 51 57 | 53 1  | 54 6  | 55 10 | 56 14 | 57 19 | 58 23 | 59 27 | 60 30 |       |       |       |       |  |
| 22        | 48 16 | 49 22                                                            | 50 27 | 51 33 | 52 38 | 53 43 | 54 48 | 55 52 | 56 57 | 58 1  | 59 5  | 60 9  |       |       |       |       |  |
| 23        | 47 48 | 48 55                                                            | 50 1  | 51 7  | 52 13 | 53 18 | 54 24 | 55 28 | 56 34 | 57 38 | 58 42 | 59 47 |       |       |       |       |  |
| 24        | 47 19 | 48 26                                                            | 49 33 | 50 39 | 51 45 | 52 51 | 53 57 | 55 2  | 56 8  | 57 13 | 58 18 | 59 23 |       |       |       |       |  |
| 25        | 46 48 | 47 56                                                            | 49 3  | 50 10 | 51 17 | 52 23 | 53 29 | 54 35 | 55 41 | 56 47 | 57 53 | 58 58 |       |       |       |       |  |
| 26        | 46 15 | 47 24                                                            | 48 32 | 49 40 | 50 47 | 51 54 | 53 0  | 54 7  | 55 13 | 56 20 | 57 26 | 58 32 |       |       |       |       |  |
| 27        | 45 41 | 46 50                                                            | 47 59 | 49 8  | 50 16 | 51 24 | 52 30 | 53 38 | 54 45 | 55 52 | 56 58 | 58 5  |       |       |       |       |  |
| 28        | 45 5  | 46 15                                                            | 47 25 | 48 34 | 49 43 | 50 52 | 51 59 | 53 8  | 54 15 | 55 22 | 56 29 | 57 37 |       |       |       |       |  |
| 29        | 44 27 | 45 38                                                            | 46 49 | 47 59 | 49 9  | 50 18 | 51 27 | 52 36 | 53 44 | 54 52 | 55 59 | 57 8  |       |       |       |       |  |
| 30        | 43 47 | 45 0                                                             | 46 12 | 47 23 | 48 33 | 49 43 | 50 53 | 52 3  | 53 12 | 54 21 | 55 29 | 56 37 |       |       |       |       |  |
| 31        | 43 5  | 44 19                                                            | 45 32 | 46 45 | 47 56 | 49 9  | 50 17 | 51 28 | 52 38 | 53 48 | 54 57 | 56 5  |       |       |       |       |  |
| 32        | 42 22 | 43 36                                                            | 44 50 | 46 4  | 47 16 | 48 33 | 49 40 | 50 51 | 52 2  | 53 12 | 54 22 | 55 31 |       |       |       |       |  |

TABLE XXX.  
DE LA DEMI-DURÉE DES ÉCLIPSES DE LA LUNE  
En Minutes & Secondes de Degré.

| SOMME DES DEMI-DIAMÈTRES DE LA LUNE ET DE L'OMBRE DE LA TERRE.   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Latitude.                                                        | D. | M. | D. | M. | D. | M. | D. | M. | D. | M. | D. | M. | D. | M. | D. | M. |
|                                                                  | 53 | 0  | 54 | 0  | 55 | 0  | 56 | 0  | 57 | 0  | 58 | 0  | 59 | 0  | 60 | 0  |
| DEMI-DURÉE DES ÉCLIPSES DE LUNE EN MINUTES ET SECONDES DE DEGRÉ. |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Min.                                                             | M. | S. | M. | S. | M. | S. | M. | S. | M. | S. | M. | S. | M. | S. | M. | S. |
| 32                                                               | 42 | 22 | 43 | 36 | 44 | 50 | 46 | 4  | 47 | 16 | 48 | 28 | 49 | 40 | 50 | 51 |
| 33                                                               | 41 | 35 | 42 | 51 | 44 | 6  | 45 | 21 | 46 | 35 | 47 | 48 | 49 | 1  | 50 | 12 |
| 34                                                               | 40 | 47 | 42 | 3  | 43 | 20 | 44 | 37 | 45 | 52 | 47 | 6  | 48 | 20 | 49 | 32 |
| 35                                                               | 39 | 57 | 41 | 14 | 42 | 32 | 43 | 50 | 45 | 7  | 46 | 22 | 47 | 37 | 48 | 51 |
| 36                                                               | 39 | 4  | 40 | 23 | 41 | 42 | 43 | 1  | 44 | 20 | 45 | 36 | 46 | 52 | 48 | 7  |
| 37                                                               | 38 | 8  | 39 | 29 | 40 | 50 | 42 | 10 | 43 | 31 | 44 | 49 | 46 | 5  | 47 | 22 |
| 38                                                               | 37 | 8  | 38 | 32 | 39 | 55 | 41 | 17 | 42 | 39 | 43 | 59 | 45 | 17 | 46 | 34 |
| 39                                                               | 36 | 5  | 37 | 32 | 38 | 57 | 40 | 21 | 41 | 45 | 43 | 6  | 44 | 27 | 45 | 45 |
| 40                                                               | 34 | 59 | 36 | 29 | 37 | 56 | 39 | 23 | 40 | 48 | 42 | 11 | 43 | 33 | 44 | 54 |
| 41                                                               | 33 | 49 | 35 | 21 | 36 | 52 | 38 | 21 | 39 | 48 | 41 | 14 | 42 | 37 | 44 | 0  |
| 42                                                               | 32 | 35 | 34 | 10 | 35 | 44 | 37 | 16 | 38 | 45 | 40 | 13 | 41 | 39 | 43 | 3  |
| 43                                                               | 31 | 16 | 32 | 55 | 34 | 32 | 36 | 7  | 37 | 39 | 39 | 9  | 40 | 37 | 42 | 4  |
| 44                                                               | 29 | 52 | 31 | 35 | 33 | 16 | 34 | 55 | 36 | 30 | 38 | 2  | 39 | 32 | 41 | 1  |
| 45                                                               | 28 | 22 | 30 | 9  | 31 | 55 | 33 | 37 | 35 | 16 | 36 | 52 | 38 | 25 | 39 | 56 |
| 46                                                               | 26 | 43 | 28 | 38 | 30 | 28 | 32 | 15 | 33 | 58 | 35 | 37 | 37 | 13 | 38 | 47 |
| 47                                                               | 24 | 56 | 26 | 59 | 28 | 56 | 30 | 47 | 32 | 35 | 34 | 18 | 35 | 57 | 37 | 34 |
| 48                                                               | 22 | 58 | 25 | 10 | 27 | 16 | 29 | 14 | 31 | 7  | 32 | 54 | 34 | 38 | 36 | 18 |
| 49                                                               | 20 | 45 | 23 | 13 | 25 | 25 | 27 | 32 | 29 | 30 | 31 | 25 | 33 | 13 | 34 | 58 |
| 50                                                               | 18 | 16 | 21 | 0  | 23 | 27 | 25 | 41 | 27 | 48 | 29 | 48 | 31 | 43 | 33 | 32 |
| 51                                                               | 15 | 17 | 18 | 27 | 21 | 12 | 23 | 41 | 25 | 57 | 28 | 4  | 30 | 5  | 32 | 1  |
| 52                                                               | 11 | 28 | 15 | 26 | 18 | 38 | 21 | 24 | 23 | 54 | 26 | 12 | 28 | 20 | 30 | 22 |
| 53                                                               | 5  | 14 | 11 | 36 | 15 | 36 | 18 | 49 | 21 | 37 | 24 | 8  | 26 | 27 | 28 | 36 |
| 54                                                               |    |    | 5  | 20 | 11 | 44 | 15 | 45 | 19 | 1  | 21 | 49 | 24 | 21 | 26 | 41 |
| 55                                                               |    |    |    |    | 5  | 26 | 11 | 52 | 15 | 55 | 19 | 12 | 22 | 2  | 24 | 35 |
| 56                                                               |    |    |    |    |    |    | 5  | 32 | 11 | 59 | 16 | 5  | 19 | 23 | 22 | 14 |
| 57                                                               |    |    |    |    |    |    |    |    | 5  | 38 | 12 | 7  | 16 | 15 | 19 | 34 |
| 58                                                               |    |    |    |    |    |    |    |    |    |    | 5  | 44 | 12 | 15 | 16 | 24 |
| 59                                                               |    |    |    |    |    |    |    |    |    |    |    |    | 5  | 50 | 12 | 22 |
| 60                                                               |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 5  | 56 |
| 61                                                               |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 6  | 1  |
| 62                                                               |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 6  | 7  |
| 63                                                               |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 6  | 13 |
| 64                                                               |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 6  |



TABLE XXXII.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE SATURNE.

ANNÉES JULIENNES AVANT JESUS-CHRIST.

|         | Longitude moyenne. |    |    |    | Lieu de l'Aphélie. |    |    |    | Lieu du Nœud. |    |    |    |
|---------|--------------------|----|----|----|--------------------|----|----|----|---------------|----|----|----|
| Années. | Sign.              | D. | M. | S. | Sign.              | D. | M. | S. | Sign.         | D. | M. | S. |
| B. 300  | 11                 | 19 | 31 | 0  | 7                  | 14 | 54 | 2  | 2             | 19 | 29 | 58 |
| B. 200  | 4                  | 13 | 0  | 28 | 7                  | 17 | 3  | 46 | 2             | 21 | 5  | 9  |
| B. 100  | 9                  | 6  | 29 | 56 | 7                  | 19 | 13 | 30 | 2             | 22 | 40 | 19 |
| B. 0    | 1                  | 29 | 59 | 24 | 7                  | 21 | 23 | 14 | 2             | 24 | 15 | 30 |

ANNÉES JULIENNES APRES JESUS-CHRIST.

|         |    |    |    |    |   |    |    |    |   |    |    |    |
|---------|----|----|----|----|---|----|----|----|---|----|----|----|
| B. 100  | 6  | 23 | 28 | 52 | 7 | 23 | 32 | 58 | 2 | 25 | 50 | 41 |
| B. 200  | 11 | 16 | 58 | 20 | 7 | 25 | 42 | 42 | 2 | 27 | 25 | 51 |
| B. 300  | 4  | 10 | 27 | 48 | 7 | 27 | 52 | 26 | 2 | 29 | 1  | 2  |
| B. 400  | 9  | 3  | 57 | 16 | 8 | 0  | 2  | 10 | 3 | 0  | 36 | 12 |
| B. 500  | 1  | 27 | 26 | 44 | 8 | 2  | 11 | 54 | 3 | 2  | 11 | 23 |
| B. 600  | 6  | 20 | 56 | 12 | 8 | 4  | 21 | 38 | 3 | 3  | 46 | 33 |
| B. 700  | 11 | 14 | 25 | 40 | 8 | 6  | 31 | 22 | 3 | 5  | 21 | 44 |
| B. 800  | 4  | 7  | 55 | 8  | 8 | 8  | 41 | 6  | 3 | 6  | 56 | 54 |
| B. 900  | 9  | 1  | 24 | 36 | 8 | 10 | 50 | 50 | 3 | 8  | 32 | 5  |
| B. 1000 | 1  | 24 | 54 | 4  | 8 | 13 | 0  | 34 | 3 | 10 | 7  | 15 |
| B. 1100 | 6  | 18 | 23 | 32 | 8 | 15 | 10 | 18 | 3 | 11 | 42 | 26 |
| B. 1200 | 11 | 11 | 53 | 0  | 8 | 17 | 20 | 1  | 3 | 13 | 17 | 36 |
| B. 1300 | 4  | 5  | 22 | 28 | 8 | 19 | 29 | 45 | 3 | 14 | 52 | 47 |
| B. 1400 | 8  | 28 | 51 | 56 | 8 | 21 | 39 | 29 | 3 | 16 | 27 | 57 |
| B. 1500 | 1  | 22 | 21 | 24 | 8 | 23 | 49 | 13 | 3 | 18 | 3  | 8  |
| B. 1600 | 6  | 15 | 50 | 52 | 8 | 25 | 58 | 57 | 3 | 19 | 38 | 19 |

ANNÉES GREGORIENNES APRES JESUS-CHRIST.

|         |    |    |    |    |   |    |    |    |   |    |    |    |
|---------|----|----|----|----|---|----|----|----|---|----|----|----|
| B. 1600 | 6  | 15 | 30 | 46 | 8 | 25 | 58 | 55 | 3 | 19 | 38 | 18 |
| C. 1700 | 11 | 8  | 58 | 13 | 8 | 28 | 8  | 39 | 3 | 21 | 13 | 29 |
| C. 1701 | 11 | 21 | 11 | 49 | 8 | 28 | 9  | 57 | 3 | 21 | 14 | 26 |
| C. 1702 | 0  | 3  | 25 | 25 | 8 | 28 | 11 | 15 | 3 | 21 | 15 | 23 |
| C. 1703 | 0  | 15 | 39 | 0  | 8 | 28 | 12 | 32 | 3 | 21 | 16 | 20 |
| B. 1704 | 0  | 27 | 54 | 36 | 8 | 28 | 13 | 50 | 3 | 21 | 17 | 17 |
| C. 1705 | 1  | 10 | 8  | 12 | 8 | 28 | 15 | 8  | 3 | 21 | 18 | 15 |
| C. 1706 | 1  | 22 | 21 | 47 | 8 | 28 | 16 | 26 | 3 | 21 | 19 | 12 |
| C. 1707 | 2  | 4  | 35 | 23 | 8 | 28 | 17 | 44 | 3 | 21 | 20 | 9  |

TABLE XXXII.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE SATURNE.

ANNÉES GRÉGORIENNES APRÈS JESUS-CHRIST.

| Années. | Longitude moyenne. |    |    |    | Lieu de l'Aphélie. |    |    |    | Lieu du Nœud. |    |    |    |
|---------|--------------------|----|----|----|--------------------|----|----|----|---------------|----|----|----|
|         | Sign.              | D. | M. | S. | Sign.              | D. | M. | S. | Sign.         | D. | M. | S. |
| B. 1708 | 2                  | 16 | 50 | 58 | 8                  | 28 | 19 | 2  | 3             | 21 | 21 | 6  |
| 1709    | 2                  | 29 | 4  | 34 | 8                  | 28 | 20 | 20 | 3             | 21 | 22 | 3  |
| 1710    | 3                  | 11 | 18 | 9  | 8                  | 28 | 21 | 38 | 3             | 21 | 23 | 0  |
| 1711    | 3                  | 23 | 31 | 45 | 8                  | 28 | 22 | 55 | 3             | 21 | 23 | 57 |
| B. 1712 | 4                  | 5  | 47 | 21 | 8                  | 28 | 24 | 13 | 3             | 21 | 24 | 54 |
| 1713    | 4                  | 18 | 0  | 56 | 8                  | 28 | 25 | 31 | 3             | 21 | 25 | 51 |
| 1714    | 5                  | 0  | 14 | 32 | 8                  | 28 | 26 | 49 | 3             | 21 | 26 | 48 |
| 1715    | 5                  | 12 | 28 | 7  | 8                  | 28 | 28 | 7  | 3             | 21 | 27 | 46 |
| B. 1716 | 5                  | 24 | 43 | 43 | 8                  | 28 | 29 | 25 | 3             | 21 | 28 | 43 |
| 1717    | 6                  | 6  | 57 | 18 | 8                  | 28 | 30 | 42 | 3             | 21 | 29 | 40 |
| 1718    | 6                  | 19 | 10 | 54 | 8                  | 28 | 32 | 0  | 3             | 21 | 30 | 37 |
| 1719    | 7                  | 1  | 24 | 30 | 8                  | 28 | 33 | 18 | 3             | 21 | 31 | 34 |
| B. 1720 | 7                  | 13 | 40 | 6  | 8                  | 28 | 34 | 36 | 3             | 21 | 32 | 31 |
| 1721    | 7                  | 25 | 53 | 42 | 8                  | 28 | 35 | 54 | 3             | 21 | 33 | 28 |
| 1722    | 8                  | 8  | 7  | 18 | 8                  | 28 | 37 | 12 | 3             | 21 | 34 | 25 |
| 1723    | 8                  | 20 | 20 | 53 | 8                  | 28 | 38 | 29 | 3             | 21 | 35 | 22 |
| B. 1724 | 9                  | 2  | 36 | 29 | 8                  | 28 | 39 | 48 | 3             | 21 | 36 | 19 |
| 1725    | 9                  | 14 | 50 | 5  | 8                  | 28 | 41 | 5  | 3             | 21 | 37 | 17 |
| 1726    | 9                  | 27 | 3  | 40 | 8                  | 28 | 42 | 23 | 3             | 21 | 38 | 14 |
| 1727    | 10                 | 9  | 17 | 16 | 8                  | 28 | 43 | 41 | 3             | 21 | 39 | 11 |
| B. 1728 | 10                 | 21 | 32 | 52 | 8                  | 28 | 44 | 59 | 3             | 21 | 40 | 8  |
| 1729    | 11                 | 3  | 46 | 27 | 8                  | 24 | 46 | 17 | 3             | 21 | 41 | 5  |
| 1730    | 11                 | 16 | 0  | 3  | 8                  | 28 | 47 | 35 | 3             | 21 | 42 | 2  |
| 1731    | 11                 | 28 | 13 | 38 | 8                  | 28 | 48 | 53 | 3             | 21 | 42 | 59 |
| B. 1732 | 0                  | 10 | 29 | 13 | 8                  | 28 | 50 | 11 | 3             | 21 | 43 | 56 |
| 1733    | 0                  | 22 | 42 | 49 | 8                  | 28 | 51 | 29 | 3             | 21 | 44 | 53 |
| 1734    | 1                  | 4  | 56 | 25 | 8                  | 28 | 52 | 47 | 3             | 21 | 45 | 51 |
| 1735    | 1                  | 17 | 10 | 1  | 8                  | 28 | 54 | 5  | 3             | 21 | 46 | 48 |
| B. 1736 | 1                  | 29 | 25 | 36 | 8                  | 28 | 55 | 23 | 3             | 21 | 47 | 45 |
| 1737    | 2                  | 11 | 39 | 12 | 8                  | 28 | 56 | 41 | 3             | 21 | 48 | 42 |
| 1738    | 2                  | 23 | 52 | 48 | 8                  | 28 | 57 | 59 | 3             | 21 | 49 | 39 |



T A B L E X X X I I .  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE SATURNE.

ANNÉES GRÉGORIENNES APRÈS JÉSUS-CHRIST.

| Années. | Longitude moyenne. |    |    |    | Lieu de l'Aphélie. |    |    |    | Lieu du Nœud. |    |    |    |
|---------|--------------------|----|----|----|--------------------|----|----|----|---------------|----|----|----|
|         | Sign.              | D. | M. | S. | Sign.              | D. | M. | S. | Sign.         | D. | M. | S. |
| 1739    | 3                  | 6  | 6  | 24 | 8                  | 28 | 59 | 17 | 3             | 21 | 50 | 36 |
| B. 1740 | 3                  | 18 | 22 | 0  | 8                  | 29 | 0  | 35 | 3             | 21 | 51 | 33 |
| 1741    | 4                  | 0  | 35 | 36 | 8                  | 29 | 1  | 52 | 3             | 21 | 52 | 30 |
| 1742    | 4                  | 12 | 49 | 11 | 8                  | 29 | 3  | 10 | 3             | 21 | 53 | 27 |
| 1743    | 4                  | 25 | 2  | 46 | 8                  | 29 | 4  | 27 | 3             | 21 | 54 | 24 |
| B. 1744 | 5                  | 7  | 18 | 22 | 8                  | 29 | 5  | 45 | 3             | 21 | 55 | 21 |
| 1745    | 5                  | 19 | 31 | 58 | 8                  | 29 | 7  | 2  | 3             | 21 | 56 | 18 |
| 1746    | 6                  | 1  | 45 | 33 | 8                  | 29 | 8  | 20 | 3             | 21 | 57 | 15 |
| 1747    | 6                  | 13 | 59 | 9  | 8                  | 29 | 9  | 38 | 3             | 21 | 58 | 12 |
| B. 1748 | 6                  | 26 | 14 | 45 | 8                  | 29 | 10 | 56 | 3             | 21 | 59 | 9  |
| 1749    | 7                  | 8  | 28 | 21 | 8                  | 29 | 12 | 13 | 3             | 22 | 0  | 6  |
| 1750    | 7                  | 20 | 41 | 56 | 8                  | 29 | 13 | 31 | 3             | 22 | 1  | 4  |
| 1751    | 8                  | 2  | 55 | 32 | 8                  | 29 | 14 | 49 | 3             | 22 | 2  | 1  |
| B. 1752 | 8                  | 15 | 11 | 8  | 8                  | 29 | 16 | 7  | 3             | 22 | 2  | 58 |
| 1753    | 8                  | 27 | 24 | 43 | 8                  | 29 | 17 | 24 | 3             | 22 | 3  | 55 |
| 1754    | 9                  | 9  | 38 | 19 | 8                  | 29 | 18 | 42 | 3             | 22 | 4  | 52 |
| 1755    | 9                  | 21 | 51 | 54 | 8                  | 29 | 20 | 0  | 3             | 22 | 5  | 49 |
| B. 1756 | 10                 | 4  | 7  | 30 | 8                  | 29 | 21 | 18 | 3             | 22 | 6  | 46 |
| 1757    | 10                 | 16 | 21 | 6  | 8                  | 29 | 22 | 35 | 3             | 22 | 7  | 43 |
| 1758    | 10                 | 28 | 34 | 41 | 8                  | 29 | 23 | 53 | 3             | 22 | 8  | 40 |
| 1759    | 11                 | 10 | 48 | 16 | 8                  | 29 | 25 | 11 | 3             | 22 | 9  | 37 |
| B. 1760 | 11                 | 23 | 3  | 53 | 8                  | 29 | 26 | 29 | 3             | 22 | 10 | 35 |
| 1761    | 0                  | 5  | 17 | 29 | 8                  | 29 | 27 | 47 | 3             | 22 | 11 | 32 |
| 1762    | 0                  | 17 | 31 | 4  | 8                  | 29 | 29 | 5  | 3             | 22 | 12 | 29 |
| 1763    | 0                  | 29 | 44 | 40 | 8                  | 29 | 30 | 23 | 3             | 22 | 13 | 26 |
| B. 1764 | 1                  | 12 | 0  | 16 | 8                  | 29 | 31 | 41 | 3             | 22 | 14 | 23 |
| 1765    | 1                  | 24 | 13 | 51 | 8                  | 29 | 32 | 58 | 3             | 22 | 15 | 21 |
| 1766    | 2                  | 6  | 27 | 27 | 8                  | 29 | 34 | 16 | 3             | 22 | 16 | 18 |
| 1767    | 2                  | 18 | 41 | 2  | 8                  | 29 | 35 | 34 | 3             | 22 | 17 | 15 |
| B. 1768 | 3                  | 0  | 56 | 38 | 8                  | 29 | 36 | 52 | 3             | 22 | 18 | 12 |
| 1769    | 3                  | 13 | 10 | 14 | 8                  | 29 | 38 | 10 | 3             | 22 | 19 | 9  |



TABLE XXXII.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE SATURNE.

ANNÉES GRÉGORIENNES APRÈS JESUS-CHRIST.

| Années. | Longitude moyenne. |    |    |    | Lieu de l'Aphélie. |    |    |    | Lieu du Nœud. |    |    |    |
|---------|--------------------|----|----|----|--------------------|----|----|----|---------------|----|----|----|
|         | Sign.              | D. | M. | S. | Sign.              | D. | M. | S. | Sign.         | D. | M. | S. |
| 1770    | 3                  | 25 | 23 | 49 | 8                  | 29 | 39 | 28 | 3             | 22 | 20 | 7  |
| 1771    | 4                  | 7  | 37 | 24 | 8                  | 29 | 40 | 46 | 3             | 22 | 21 | 4  |
| B. 1772 | 4                  | 19 | 53 | 1  | 8                  | 29 | 42 | 3  | 3             | 22 | 22 | 1  |
| 1773    | 5                  | 2  | 6  | 36 | 8                  | 29 | 43 | 21 | 3             | 22 | 22 | 58 |
| 1774    | 5                  | 14 | 20 | 12 | 8                  | 29 | 44 | 39 | 3             | 22 | 23 | 55 |
| 1775    | 5                  | 26 | 33 | 47 | 8                  | 29 | 45 | 57 | 3             | 22 | 24 | 52 |
| B. 1776 | 6                  | 8  | 49 | 24 | 8                  | 29 | 47 | 15 | 3             | 22 | 25 | 49 |
| 1777    | 6                  | 21 | 2  | 59 | 8                  | 29 | 48 | 33 | 3             | 22 | 26 | 46 |
| 1778    | 7                  | 3  | 16 | 35 | 8                  | 29 | 49 | 50 | 3             | 22 | 27 | 43 |
| 1779    | 7                  | 15 | 30 | 10 | 8                  | 29 | 51 | 8  | 3             | 22 | 28 | 40 |
| B. 1780 | 7                  | 27 | 45 | 46 | 8                  | 29 | 52 | 26 | 3             | 22 | 29 | 38 |
| 1781    | 8                  | 9  | 59 | 22 | 8                  | 29 | 53 | 44 | 3             | 22 | 30 | 35 |
| 1782    | 8                  | 22 | 12 | 57 | 8                  | 29 | 55 | 2  | 3             | 22 | 31 | 32 |
| 1783    | 9                  | 4  | 26 | 33 | 8                  | 29 | 56 | 20 | 3             | 22 | 32 | 29 |
| B. 1784 | 9                  | 16 | 42 | 9  | 8                  | 29 | 57 | 37 | 3             | 22 | 33 | 26 |
| 1785    | 9                  | 28 | 55 | 45 | 8                  | 29 | 58 | 55 | 3             | 22 | 34 | 23 |
| 1786    | 10                 | 11 | 9  | 20 | 9                  | 0  | 0  | 13 | 3             | 22 | 35 | 20 |
| 1787    | 10                 | 23 | 22 | 55 | 9                  | 0  | 1  | 31 | 3             | 22 | 36 | 17 |
| B. 1788 | 11                 | 5  | 38 | 32 | 9                  | 0  | 2  | 49 | 3             | 22 | 37 | 14 |
| 1789    | 11                 | 17 | 52 | 8  | 9                  | 0  | 4  | 6  | 3             | 22 | 38 | 11 |
| 1790    | 0                  | 0  | 5  | 43 | 9                  | 0  | 5  | 24 | 3             | 22 | 39 | 9  |
| 1791    | 0                  | 12 | 19 | 18 | 9                  | 0  | 6  | 42 | 3             | 22 | 40 | 6  |
| B. 1792 | 0                  | 24 | 34 | 55 | 9                  | 0  | 8  | 0  | 3             | 22 | 41 | 3  |
| 1793    | 1                  | 6  | 48 | 31 | 9                  | 0  | 9  | 18 | 3             | 22 | 42 | 0  |
| 1794    | 1                  | 19 | 2  | 6  | 9                  | 0  | 10 | 35 | 3             | 22 | 42 | 57 |
| 1795    | 2                  | 1  | 15 | 42 | 9                  | 0  | 11 | 53 | 3             | 22 | 43 | 54 |
| B. 1796 | 2                  | 13 | 31 | 18 | 9                  | 0  | 13 | 11 | 3             | 22 | 44 | 51 |
| 1797    | 2                  | 25 | 44 | 53 | 9                  | 0  | 14 | 29 | 3             | 22 | 45 | 48 |
| 1798    | 3                  | 7  | 58 | 29 | 9                  | 0  | 15 | 47 | 3             | 22 | 46 | 45 |
| 1799    | 3                  | 20 | 12 | 4  | 9                  | 0  | 17 | 5  | 3             | 22 | 47 | 42 |
| C. 1800 | 4                  | 2  | 25 | 40 | 9                  | 0  | 18 | 23 | 3             | 22 | 48 | 40 |

TABLE XXXIII.  
DES MOYENS MOUVEMENTS DE SATURNE  
pour les Années.

| LONGITUDE. |      |    |    | APHÉLIE. |    | NOËUD. |    | LONGITUDE. |         |      |    | APHÉLIE. |    | NOËUD. |    |    |    |    |
|------------|------|----|----|----------|----|--------|----|------------|---------|------|----|----------|----|--------|----|----|----|----|
| Années.    | Sig. | D. | M. | S.       | M. | S.     | M. | S.         | Années. | Sig. | D. | M.       | S. | D.     | M. | S. | M. | S. |
| B. 1       | 0    | 12 | 13 | 36       | 1  | 18     | 0  | 57         | B. 31   | 0    | 19 | 15       | 25 | 0      | 40 | 14 | 29 | 30 |
| 2          | 0    | 24 | 27 | 11       | 2  | 36     | 1  | 54         | 32      | 1    | 1  | 31       | 0  | 41     | 31 | 30 | 27 |    |
| 3          | 1    | 6  | 40 | 47       | 3  | 54     | 2  | 51         | 33      | 1    | 13 | 44       | 36 | 0      | 42 | 50 | 31 | 24 |
| 4          | 1    | 18 | 56 | 23       | 5  | 11     | 3  | 48         | 34      | 1    | 25 | 58       | 11 | 0      | 44 | 8  | 32 | 22 |
| 5          | 2    | 1  | 9  | 58       | 6  | 29     | 4  | 45         | 35      | 2    | 8  | 11       | 47 | 0      | 45 | 26 | 33 | 19 |
| B. 6       | 2    | 13 | 23 | 34       | 7  | 47     | 5  | 42         | B. 36   | 2    | 20 | 27       | 23 | 0      | 46 | 43 | 34 | 16 |
| 7          | 2    | 25 | 37 | 9        | 9  | 5      | 6  | 39         | 37      | 3    | 2  | 40       | 59 | 0      | 48 | 1  | 35 | 13 |
| 8          | 3    | 7  | 52 | 45       | 10 | 23     | 7  | 37         | 38      | 3    | 14 | 54       | 35 | 0      | 49 | 19 | 36 | 10 |
| 9          | 3    | 20 | 6  | 21       | 11 | 41     | 8  | 34         | B. 39   | 3    | 27 | 8        | 10 | 0      | 50 | 37 | 37 | 7  |
| 10         | 4    | 2  | 19 | 56       | 12 | 59     | 9  | 31         | 40      | 4    | 9  | 23       | 46 | 0      | 51 | 54 | 38 | 4  |
| B. 11      | 4    | 14 | 33 | 32       | 14 | 16     | 10 | 28         | 41      | 4    | 21 | 37       | 22 | 0      | 53 | 12 | 39 | 1  |
| 12         | 4    | 26 | 49 | 8        | 15 | 34     | 11 | 25         | 42      | 5    | 3  | 50       | 57 | 0      | 54 | 30 | 39 | 58 |
| 13         | 5    | 9  | 2  | 44       | 16 | 51     | 12 | 22         | 43      | 5    | 16 | 4        | 33 | 0      | 55 | 48 | 40 | 55 |
| 14         | 5    | 21 | 16 | 19       | 18 | 10     | 13 | 19         | B. 44   | 5    | 28 | 20       | 9  | 0      | 57 | 6  | 41 | 52 |
| 15         | 6    | 3  | 29 | 54       | 19 | 28     | 14 | 16         | 45      | 6    | 10 | 33       | 45 | 0      | 58 | 23 | 42 | 59 |
| B. 16      | 6    | 15 | 45 | 30       | 20 | 45     | 15 | 14         | 46      | 6    | 22 | 47       | 20 | 0      | 59 | 40 | 43 | 47 |
| 17         | 6    | 27 | 59 | 5        | 22 | 3      | 16 | 11         | 47      | 7    | 5  | 0        | 56 | 1      | 0  | 58 | 44 | 44 |
| 18         | 7    | 10 | 12 | 41       | 23 | 21     | 17 | 8          | B. 48   | 7    | 17 | 16       | 32 | 1      | 2  | 16 | 45 | 41 |
| 19         | 7    | 22 | 26 | 16       | 24 | 39     | 18 | 5          | 49      | 7    | 29 | 30       | 8  | 1      | 3  | 34 | 46 | 38 |
| B. 20      | 8    | 4  | 41 | 52       | 25 | 57     | 19 | 2          | 50      | 8    | 11 | 43       | 43 | 1      | 4  | 52 | 47 | 35 |
| 21         | 8    | 16 | 55 | 27       | 27 | 15     | 19 | 59         | 51      | 8    | 23 | 57       | 19 | 1      | 6  | 10 | 48 | 32 |
| 22         | 8    | 29 | 9  | 3        | 28 | 33     | 20 | 56         | B. 52   | 9    | 6  | 12       | 55 | 1      | 7  | 28 | 49 | 29 |
| 23         | 9    | 11 | 22 | 39       | 29 | 50     | 21 | 53         | 53      | 9    | 18 | 26       | 30 | 1      | 8  | 46 | 50 | 26 |
| B. 24      | 9    | 23 | 38 | 16       | 31 | 8      | 22 | 50         | 54      | 10   | 0  | 40       | 6  | 1      | 10 | 4  | 51 | 23 |
| 25         | 10   | 5  | 51 | 52       | 32 | 26     | 23 | 48         | 55      | 10   | 12 | 53       | 41 | 1      | 11 | 21 | 52 | 21 |
| 26         | 10   | 18 | 5  | 27       | 33 | 44     | 24 | 45         | B. 56   | 10   | 25 | 9        | 17 | 1      | 12 | 39 | 53 | 18 |
| 27         | 11   | 0  | 19 | 3        | 35 | 2      | 25 | 42         | 57      | 11   | 17 | 22       | 53 | 1      | 13 | 57 | 54 | 15 |
| B. 28      | 11   | 12 | 34 | 39       | 36 | 19     | 26 | 39         | 58      | 11   | 19 | 36       | 29 | 1      | 15 | 15 | 55 | 12 |
| 29         | 11   | 24 | 48 | 14       | 37 | 38     | 27 | 36         | 59      | 0    | 1  | 50       | 4  | 1      | 16 | 33 | 56 | 9  |
| 30         | 0    | 7  | 1  | 50       | 38 | 56     | 28 | 33         | B. 60   | 0    | 14 | 5        | 40 | 1      | 17 | 51 | 57 | 6  |

TABLE XXXIII  
DES MOYENS MOUVEMENTS DE SATURNE  
pour les Années.

| Ann.  | LONGITUDE.<br>Sig. D. M. S. | APHÉL.<br>D. M. S. | NOEUD.<br>D. M. S. | Années.  | LONGITUDE.<br>Sig. D. M. S. | APHÉLIE.<br>S. D. M. S. | NOEUD.<br>Sig. D. M. S. |
|-------|-----------------------------|--------------------|--------------------|----------|-----------------------------|-------------------------|-------------------------|
| 61    | 0 26 19 16                  | 1 19 9             | 0 58 3             | Biff.    | 91                          | 0 1 58 4                | 0 1 26 37               |
| 62    | 1 8 32 51                   | 1 20 27            | 0 59 0             |          | 92                          | 0 1 59 22               | 0 1 27 34               |
| 63    | 1 20 46 26                  | 1 21 45            | 0 59 58            |          | 93                          | 0 2 0 40                | 0 1 28 31               |
| B. 64 | 2 3 2 2                     | 1 23 3             | 1 0 55             |          | 94                          | 0 2 1 57                | 0 1 29 28               |
| 65    | 2 15 15 38                  | 1 24 21            | 1 1 52             |          | 95                          | 0 2 3 14                | 0 1 30 25               |
| 66    | 2 27 29 13                  | 1 25 39            | 1 2 49             | Biff.    | 96                          | 0 2 4 32                | 0 1 31 22               |
| 67    | 3 9 42 49                   | 1 26 57            | 1 3 46             |          | 97                          | 0 2 5 50                | 0 1 32 19               |
| B. 68 | 3 21 58 25                  | 1 28 15            | 1 4 43             |          | 98                          | 0 2 7 8                 | 0 1 33 16               |
| 69    | 4 4 12 1                    | 1 29 33            | 1 5 40             |          | 99                          | 0 2 8 26                | 0 1 34 13               |
| 70    | 4 16 25 36                  | 1 30 51            | 1 6 38             | B. 100   | 0 2 9 44                    | 0 1 35 11               |                         |
| 71    | 4 28 39 12                  | 1 32 9             | 1 7 35             | C. 100   | 0 2 9 44                    | 0 1 35 10               |                         |
| B. 72 | 5 10 54 48                  | 1 33 27            | 1 8 32             | C. 200   | 0 4 19 28                   | 0 3 10 21               |                         |
| 73    | 5 23 8 24                   | 1 34 45            | 1 9 29             | C. 300   | 0 6 29 12                   | 0 4 45 31               |                         |
| 74    | 6 5 21 59                   | 1 36 3             | 1 10 26            | B. 400   | 0 8 38 55                   | 0 6 20 42               |                         |
| 75    | 6 17 35 35                  | 1 37 20            | 1 11 23            | C. 500   | 0 10 48 39                  | 0 7 55 52               |                         |
| B. 76 | 6 29 51 11                  | 1 38 38            | 1 12 20            | C. 600   | 0 12 58 23                  | 0 9 31 3                |                         |
| 77    | 7 12 4 47                   | 1 39 56            | 1 13 17            | C. 700   | 0 15 8 7                    | 0 11 6 13               |                         |
| 78    | 7 24 18 22                  | 1 41 13            | 1 14 14            | B. 800   | 0 17 17 50                  | 0 12 41 23              |                         |
| 79    | 8 6 31 58                   | 1 42 31            | 1 15 11            | C. 900   | 0 19 27 34                  | 0 14 16 33              |                         |
| B. 80 | 8 18 47 34                  | 1 43 48            | 1 16 9             | C. 1000  | 0 21 37 18                  | 0 15 51 44              |                         |
| 81    | 9 1 1 10                    | 1 45 6             | 1 17 6             | B. 2000  | 1 13 14 37                  | 1 1 43 28               |                         |
| 82    | 9 13 14 45                  | 1 46 24            | 1 18 3             | C. 3000  | 2 4 51 55                   | 1 17 35 12              |                         |
| 83    | 9 25 28 21                  | 1 47 42            | 1 19 0             | B. 4000  | 2 26 29 14                  | 2 3 26 56               |                         |
| B. 84 | 10 7 43 57                  | 1 49 0             | 1 19 57            | C. 5000  | 3 18 6 32                   | 2 19 18 40              |                         |
| 85    | 10 19 57 32                 | 1 50 18            | 1 20 54            | B. 6000  | 4 9 43 51                   | 3 5 10 24               |                         |
| 86    | 11 12 11 8                  | 1 51 36            | 1 21 51            | C. 7000  | 5 1 21 9                    | 3 21 2 8                |                         |
| 87    | 11 14 24 43                 | 1 52 54            | 1 22 48            | B. 8000  | 5 22 58 27                  | 4 6 53 52               |                         |
| B. 88 | 11 26 40 19                 | 1 54 12            | 1 23 45            | C. 9000  | 6 14 35 45                  | 4 22 45 36              |                         |
| 89    | 0 8 53 54                   | 1 55 29            | 1 24 43            | B. 10000 | 7 6 13 4                    | 5 8 37 20               |                         |
| 90    | 0 21 7 30                   | 1 56 46            | 1 25 40            | B. 20000 | 8 13 11 52                  | 10 17 14 40             |                         |

TABLE XXXIV.  
DES MOYENS MOUVEMENTS DE SATURNE  
pour les Jours de l'Année.

| JANVIER.    |          |            |    |    |         | FÉVRIER. |             |          |            |    |    | MARS.   |       |             |          |            |    |    |         |       |
|-------------|----------|------------|----|----|---------|----------|-------------|----------|------------|----|----|---------|-------|-------------|----------|------------|----|----|---------|-------|
| Bissextile. | Commune. | Longitude. |    |    | Aphele. | Nœud.    | Bissextile. | Commune. | Longitude. |    |    | Aphele. | Nœud. | Bissextile. | Commune. | Longitude. |    |    | Aphele. | Nœud. |
|             |          | D.         | M. | S. |         |          |             |          | D.         | M. | S. |         |       |             |          | D.         | M. | S. |         |       |
| Jours.      | J.       | D.         | M. | S. | S.      | S.       | J.          | J.       | D.         | M. | S. | S.      | S.    | Jours.      | D.       | M.         | S. | S. | S.      |       |
| 1           |          | 0          | 0  | 0  |         |          | 1           |          | 1          | 2  | 18 | 7       | 5     |             |          |            |    |    |         |       |
| 2           | 1        | 0          | 2  | 1  |         |          | 2           | 1        | 1          | 4  | 19 |         |       | 1           | 2        | 0          | 35 | 13 | 9       |       |
| 3           | 2        | 0          | 4  | 1  |         |          | 3           | 2        | 1          | 6  | 20 |         |       | 2           | 2        | 2          | 36 |    |         |       |
| 4           | 3        | 0          | 6  | 2  |         |          | 4           | 3        | 1          | 8  | 20 |         |       | 3           | 2        | 4          | 37 |    |         |       |
| 5           | 4        | 0          | 8  | 2  |         |          | 5           | 4        | 1          | 10 | 21 |         |       | 4           | 2        | 6          | 37 |    |         |       |
| 6           | 5        | 0          | 10 | 3  | 1       | 1        | 6           | 5        | 1          | 12 | 22 | 8       | 5     | 5           | 2        | 8          | 38 | 14 | 10      |       |
| 7           | 6        | 0          | 12 | 4  |         |          | 7           | 6        | 1          | 14 | 22 |         |       | 6           | 2        | 10         | 38 |    |         |       |
| 8           | 7        | 0          | 14 | 4  |         |          | 8           | 7        | 1          | 16 | 23 |         |       | 7           | 2        | 12         | 39 |    |         |       |
| 9           | 8        | 0          | 16 | 5  |         |          | 9           | 8        | 1          | 18 | 24 |         |       | 8           | 2        | 14         | 39 |    |         |       |
| 10          | 9        | 0          | 18 | 5  |         |          | 10          | 9        | 1          | 20 | 24 |         |       | 9           | 2        | 16         | 40 |    |         |       |
| 11          | 10       | 0          | 20 | 6  | 2       | 2        | 11          | 10       | 1          | 22 | 25 | 9       | 6     | 10          | 2        | 18         | 41 | 15 | 11      |       |
| 12          | 11       | 0          | 22 | 7  |         |          | 12          | 11       | 1          | 24 | 25 |         |       | 11          | 2        | 20         | 41 |    |         |       |
| 13          | 12       | 0          | 24 | 7  |         |          | 13          | 12       | 1          | 26 | 26 |         |       | 12          | 2        | 22         | 42 |    |         |       |
| 14          | 13       | 0          | 26 | 8  |         |          | 14          | 13       | 1          | 28 | 26 |         |       | 13          | 2        | 24         | 43 |    |         |       |
| 15          | 14       | 0          | 28 | 8  |         |          | 15          | 14       | 1          | 30 | 27 |         |       | 14          | 2        | 26         | 43 |    |         |       |
| 16          | 15       | 0          | 30 | 9  | 3       | 2        | 16          | 15       | 1          | 32 | 28 | 10      | 7     | 15          | 2        | 28         | 44 | 16 | 11      |       |
| 17          | 16       | 0          | 32 | 9  |         |          | 17          | 16       | 1          | 34 | 29 |         |       | 16          | 2        | 30         | 44 |    |         |       |
| 18          | 17       | 0          | 34 | 10 |         |          | 18          | 17       | 1          | 36 | 29 |         |       | 17          | 2        | 32         | 45 |    |         |       |
| 19          | 18       | 0          | 36 | 11 |         |          | 19          | 18       | 1          | 38 | 30 |         |       | 18          | 2        | 34         | 46 |    |         |       |
| 20          | 19       | 0          | 38 | 11 |         |          | 20          | 19       | 1          | 40 | 30 |         |       | 19          | 2        | 36         | 46 |    |         |       |
| 21          | 20       | 0          | 40 | 12 | 4       | 3        | 21          | 20       | 1          | 42 | 31 | 11      | 8     | 20          | 2        | 38         | 47 | 17 | 12      |       |
| 22          | 21       | 0          | 42 | 12 |         |          | 22          | 21       | 1          | 44 | 31 |         |       | 21          | 2        | 40         | 47 |    |         |       |
| 23          | 22       | 0          | 44 | 13 |         |          | 23          | 22       | 1          | 46 | 32 |         |       | 22          | 2        | 42         | 48 |    |         |       |
| 24          | 23       | 0          | 46 | 14 |         |          | 24          | 23       | 1          | 48 | 33 |         |       | 23          | 2        | 44         | 49 |    |         |       |
| 25          | 24       | 0          | 48 | 14 |         |          | 25          | 24       | 1          | 50 | 33 |         |       | 24          | 2        | 46         | 49 |    |         |       |
| 26          | 25       | 0          | 50 | 15 | 5       | 3        | 26          | 25       | 1          | 52 | 34 | 12      | 9     | 25          | 2        | 48         | 50 | 18 | 13      |       |
| 27          | 26       | 0          | 52 | 15 |         |          | 27          | 26       | 1          | 54 | 34 |         |       | 26          | 2        | 50         | 50 |    |         |       |
| 28          | 27       | 0          | 54 | 16 |         |          | 28          | 27       | 1          | 56 | 35 |         |       | 27          | 2        | 52         | 51 |    |         |       |
| 29          | 28       | 0          | 56 | 17 |         |          | 29          | 28       | 1          | 58 | 35 | 13      | 9     | 28          | 2        | 54         | 52 |    |         |       |
| 30          | 29       | 0          | 58 | 17 |         |          |             |          |            |    |    |         |       | 29          | 2        | 56         | 52 |    |         |       |
| 31          | 30       | 1          | 0  | 18 |         |          |             |          |            |    |    |         |       | 30          | 2        | 58         | 53 |    |         |       |
|             | 31       | 1          | 2  | 18 | 6       | 4        |             |          |            |    |    |         |       | 31          | 3        | 0          | 53 | 19 | 14      |       |

TABLE XXXIV.  
DES MOYENS MOUVEMENTS DE SATURNE  
pour les Jours de l'Année.

| AVRIL. |            |    |    |          | M A I. |        |            |    |    | J U I N. |        |        |            |    |    |          |        |
|--------|------------|----|----|----------|--------|--------|------------|----|----|----------|--------|--------|------------|----|----|----------|--------|
| Jours. | Longitude. |    |    | Aphélie. | Noeud. | Jours. | Longitude. |    |    | Aphélie. | Noeud. | Jours. | Longitude. |    |    | Aphélie. | Noeud. |
|        | D.         | M. | S. | Sec.     | Sec.   |        | D.         | M. | S. | Sec.     | Sec.   |        | D.         | M. | S. | Sec.     | Sec.   |
| 1      | 3          | 2  | 54 | 20       | 14     | 1      | 4          | 3  | 11 | 26       | 19     | 1      | 5          | 5  | 29 | 33       | 24     |
| 2      | 3          | 4  | 54 |          |        | 2      | 4          | 5  | 12 |          |        | 2      | 5          | 7  | 30 |          |        |
| 3      | 3          | 6  | 55 |          |        | 3      | 4          | 7  | 12 |          |        | 3      | 5          | 9  | 30 |          |        |
| 4      | 3          | 8  | 56 |          |        | 4      | 4          | 9  | 13 |          |        | 4      | 5          | 11 | 31 |          |        |
| 5      | 3          | 10 | 57 | 21       | 15     | 5      | 4          | 11 | 14 | 27       | 19     | 5      | 5          | 13 | 31 | 34       | 24     |
| 6      | 3          | 12 | 58 |          |        | 6      | 4          | 13 | 15 |          |        | 6      | 5          | 15 | 32 |          |        |
| 7      | 3          | 14 | 58 |          |        | 7      | 4          | 15 | 15 |          |        | 7      | 5          | 17 | 32 |          |        |
| 8      | 3          | 16 | 59 |          |        | 8      | 4          | 17 | 16 |          |        | 8      | 5          | 19 | 33 |          |        |
| 9      | 3          | 18 | 59 |          |        | 9      | 4          | 19 | 16 |          |        | 9      | 5          | 21 | 33 |          |        |
| 10     | 3          | 21 | 0  | 22       | 16     | 10     | 4          | 21 | 17 | 28       | 20     | 10     | 5          | 23 | 34 | 35       | 25     |
| 11     | 3          | 23 | 0  |          |        | 11     | 4          | 23 | 17 |          |        | 11     | 5          | 25 | 35 |          |        |
| 12     | 3          | 25 | 1  |          |        | 12     | 4          | 25 | 17 |          |        | 12     | 5          | 27 | 36 |          |        |
| 13     | 3          | 27 | 1  |          |        | 13     | 4          | 27 | 18 |          |        | 13     | 5          | 29 | 36 |          |        |
| 14     | 3          | 29 | 2  |          |        | 14     | 4          | 29 | 19 |          |        | 14     | 5          | 31 | 37 |          |        |
| 15     | 3          | 31 | 3  | 23       | 16     | 15     | 4          | 31 | 20 | 29       | 21     | 15     | 5          | 33 | 37 | 36       | 26     |
| 16     | 3          | 33 | 4  |          |        | 16     | 4          | 33 | 21 |          |        | 16     | 5          | 35 | 38 |          |        |
| 17     | 3          | 35 | 4  |          |        | 17     | 4          | 35 | 21 |          |        | 17     | 5          | 37 | 38 |          |        |
| 18     | 3          | 37 | 5  |          |        | 18     | 4          | 37 | 22 |          |        | 18     | 5          | 39 | 39 |          |        |
| 19     | 3          | 39 | 5  |          |        | 19     | 4          | 39 | 22 |          |        | 19     | 5          | 41 | 40 |          |        |
| 20     | 3          | 41 | 6  | 24       | 17     | 20     | 4          | 41 | 23 | 30       | 21     | 20     | 5          | 43 | 41 | 37       | 27     |
| 21     | 3          | 43 | 6  |          |        | 21     | 4          | 43 | 23 |          |        | 21     | 5          | 45 | 41 |          |        |
| 22     | 3          | 45 | 7  |          |        | 22     | 4          | 45 | 24 |          |        | 22     | 5          | 47 | 42 |          |        |
| 23     | 3          | 47 | 7  |          |        | 23     | 4          | 47 | 24 |          |        | 23     | 5          | 49 | 42 |          |        |
| 24     | 3          | 49 | 8  |          |        | 24     | 4          | 49 | 25 |          |        | 24     | 5          | 51 | 43 |          |        |
| 25     | 3          | 51 | 8  | 25       | 17     | 25     | 4          | 51 | 26 | 31       | 22     | 25     | 5          | 53 | 44 | 38       | 28     |
| 26     | 3          | 53 | 9  |          |        | 26     | 4          | 53 | 27 |          |        | 26     | 5          | 55 | 45 |          |        |
| 27     | 3          | 55 | 9  |          |        | 27     | 4          | 55 | 27 |          |        | 27     | 5          | 57 | 45 |          |        |
| 28     | 3          | 57 | 10 |          |        | 28     | 4          | 57 | 28 |          |        | 28     | 5          | 59 | 46 |          |        |
| 29     | 3          | 59 | 10 |          |        | 29     | 4          | 59 | 28 |          |        | 29     | 6          | 1  | 46 |          |        |
| 30     | 4          | 1  | 11 | 26       | 18     | 30     | 5          | 1  | 29 |          |        | 30     | 6          | 3  | 47 | 39       | 28     |
|        |            |    |    |          |        | 31     | 5          | 3  | 29 | 32       | 23     |        |            |    |    |          |        |

TABLE XXXIV.  
DES MOYENS MOUVEMENTS DE SATURNE  
pour les Jours de l'Année.

| JUILLET. |            |    |    |          | A O U S T. |        |            |    |    | SEPTEMBRE. |       |        |            |    |    |          |       |
|----------|------------|----|----|----------|------------|--------|------------|----|----|------------|-------|--------|------------|----|----|----------|-------|
| Jours.   | Longitude. |    |    | Aphélie. | Nœud.      | Jours. | Longitude. |    |    | Aphélie.   | Nœud. | Jours. | Longitude. |    |    | Aphélie. | Nœud. |
|          | D.         | M. | S. | Sec.     | Sec.       |        | D.         | M. | S. | Sec.       | Sec.  |        | D.         | M. | S. | Sec.     | Sec.  |
| 1        | 6          | 5  | 47 | 39       | 28         | 1      | 7          | 8  | 6  | 46         | 33    | 1      | 8          | 10 | 24 | 53       | 38    |
| 2        | 6          | 7  | 48 |          |            | 2      | 7          | 10 | 6  |            |       | 2      | 8          | 12 | 25 |          |       |
| 3        | 6          | 9  | 48 |          |            | 3      | 7          | 12 | 7  |            |       | 3      | 8          | 14 | 26 |          |       |
| 4        | 6          | 11 | 49 |          |            | 4      | 7          | 14 | 8  |            |       | 4      | 8          | 16 | 26 |          |       |
| 5        | 6          | 13 | 50 | 40       | 29         | 5      | 7          | 16 | 9  | 47         | 34    | 5      | 8          | 18 | 27 | 54       | 38    |
| 6        | 6          | 15 | 51 |          |            | 6      | 7          | 18 | 9  |            |       | 6      | 8          | 20 | 27 |          |       |
| 7        | 6          | 17 | 51 |          |            | 7      | 7          | 20 | 10 |            |       | 7      | 8          | 22 | 28 |          |       |
| 8        | 6          | 19 | 52 |          |            | 8      | 7          | 22 | 10 |            |       | 8      | 8          | 24 | 29 |          |       |
| 9        | 6          | 21 | 52 |          |            | 9      | 7          | 24 | 11 |            |       | 9      | 8          | 26 | 30 |          |       |
|          | 6          | 23 | 53 | 41       | 30         | 10     | 7          | 26 | 11 | 48         | 34    | 10     | 8          | 28 | 30 | 55       | 39    |
| 11       | 6          | 25 | 53 |          |            | 11     | 7          | 28 | 12 |            |       | 11     | 8          | 30 | 30 |          |       |
| 12       | 6          | 27 | 54 |          |            | 12     | 7          | 30 | 12 |            |       | 12     | 8          | 32 | 31 |          |       |
| 13       | 6          | 29 | 54 |          |            | 13     | 7          | 32 | 13 |            |       | 13     | 8          | 34 | 31 |          |       |
| 14       | 6          | 31 | 55 |          |            | 14     | 7          | 34 | 14 |            |       | 14     | 8          | 36 | 32 |          |       |
| 15       | 6          | 33 | 56 | 42       | 30         | 15     | 7          | 36 | 15 | 49         | 35    | 15     | 8          | 38 | 32 | 56       | 40    |
| 16       | 6          | 35 | 57 |          |            | 16     | 7          | 38 | 15 |            |       | 16     | 8          | 40 | 33 |          |       |
| 17       | 6          | 37 | 57 |          |            | 17     | 7          | 40 | 16 |            |       | 17     | 8          | 42 | 34 |          |       |
| 18       | 6          | 39 | 58 |          |            | 18     | 7          | 42 | 16 |            |       | 18     | 8          | 44 | 34 |          |       |
| 19       | 6          | 41 | 58 |          |            | 19     | 7          | 44 | 17 |            |       | 19     | 8          | 46 | 35 |          |       |
| 20       | 6          | 43 | 59 | 43       | 31         | 20     | 7          | 46 | 17 | 50         | 36    | 20     | 8          | 48 | 36 | 57       | 41    |
| 21       | 6          | 45 | 59 |          |            | 21     | 7          | 48 | 18 |            |       | 21     | 8          | 50 | 36 |          |       |
| 22       | 6          | 48 | 0  |          |            | 22     | 7          | 50 | 18 |            |       | 22     | 8          | 52 | 37 |          |       |
| 23       | 6          | 50 | 0  |          |            | 23     | 7          | 52 | 19 |            |       | 23     | 8          | 54 | 37 |          |       |
| 24       | 6          | 52 | 1  |          |            | 24     | 7          | 54 | 20 |            |       | 24     | 8          | 56 | 38 |          |       |
| 25       | 6          | 54 | 2  | 44       | 32         | 25     | 7          | 56 | 21 | 51         | 37    | 25     | 8          | 58 | 39 | 58       | 42    |
| 26       | 6          | 56 | 3  |          |            | 26     | 7          | 58 | 21 |            |       | 26     | 9          | 0  | 39 |          |       |
| 27       | 6          | 58 | 3  |          |            | 27     | 8          | 0  | 22 |            |       | 27     | 9          | 2  | 40 |          |       |
| 28       | 7          | 0  | 4  |          |            | 28     | 8          | 2  | 22 |            |       | 28     | 9          | 4  | 40 |          |       |
| 29       | 7          | 2  | 4  |          |            | 29     | 8          | 4  | 23 |            |       | 29     | 9          | 6  | 41 |          |       |
| 30       | 7          | 4  | 5  |          |            | 30     | 8          | 6  | 23 |            |       | 30     | 9          | 8  | 41 | 59       | 43    |
| 31       | 7          | 6  | 5  | 45       | 33         | 31     | 8          | 8  | 24 | 52         | 37    |        |            |    |    |          |       |

TABLE XXXIV.  
DES MOYENS MOUVEMENTS DE SATURNE  
pour les Jours de l'Année.

| OCTOBRE. |            |      |      |          | NOVEMBRE. |    |            |      |      | DECEMBRE. |       |    |            |      |      |          |       |   |    |    |
|----------|------------|------|------|----------|-----------|----|------------|------|------|-----------|-------|----|------------|------|------|----------|-------|---|----|----|
| J.       | Longitude. |      |      | Aphélie. | Nœud.     | J. | Longitude. |      |      | Aphélie.  | Nœud. | J. | Longitude. |      |      | Aphélie. | Nœud. |   |    |    |
|          | Deg.       | Min. | Sec. | M. S.    | S.        |    | Deg.       | Min. | Sec. | M. S.     | S.    |    | Deg.       | Min. | Sec. | M. S.    | S.    |   |    |    |
| 1        | 9          | 10   | 42   | 0        | 59        | 43 | 1          | 10   | 13   | 1         | 1     | 6  | 48         | 1    | 11   | 13       | 18    | 1 | 12 | 53 |
| 2        | 9          | 12   | 43   |          |           |    | 2          | 10   | 15   | 1         |       |    |            | 2    | 11   | 15       | 19    |   |    |    |
| 3        | 9          | 14   | 43   |          |           |    | 3          | 10   | 17   | 2         |       |    |            | 3    | 11   | 17       | 19    |   |    |    |
| 4        | 9          | 16   | 44   |          |           |    | 4          | 10   | 19   | 2         |       |    |            | 4    | 11   | 19       | 20    |   |    |    |
| 5        | 9          | 18   | 44   | 1        | 0         | 44 | 5          | 10   | 21   | 3         | 1     | 7  | 48         | 5    | 11   | 21       | 20    | 1 | 13 | 53 |
| 6        | 9          | 20   | 45   |          |           |    | 6          | 10   | 23   | 3         |       |    |            | 6    | 11   | 23       | 21    |   |    |    |
| 7        | 9          | 22   | 46   |          |           |    | 7          | 10   | 25   | 4         |       |    |            | 7    | 11   | 25       | 22    |   |    |    |
| 8        | 9          | 24   | 46   |          |           |    | 8          | 10   | 27   | 5         |       |    |            | 8    | 11   | 27       | 22    |   |    |    |
| 9        | 9          | 26   | 47   |          |           |    | 9          | 10   | 29   | 5         |       |    |            | 9    | 11   | 29       | 23    |   |    |    |
| 10       | 9          | 28   | 47   | 1        | 1         | 44 | 10         | 10   | 31   | 6         | 1     | 8  | 49         | 10   | 11   | 31       | 23    | 1 | 14 | 54 |
| 11       | 9          | 30   | 48   |          |           |    | 11         | 10   | 33   | 6         |       |    |            | 11   | 11   | 33       | 24    |   |    |    |
| 12       | 9          | 32   | 49   |          |           |    | 12         | 10   | 35   | 7         |       |    |            | 12   | 11   | 35       | 24    |   |    |    |
| 13       | 9          | 34   | 49   |          |           |    | 13         | 10   | 37   | 8         |       |    |            | 13   | 11   | 37       | 25    |   |    |    |
| 14       | 9          | 36   | 50   |          |           |    | 14         | 10   | 39   | 8         |       |    |            | 14   | 11   | 39       | 26    |   |    |    |
| 15       | 9          | 38   | 50   | 1        | 2         | 45 | 15         | 10   | 41   | 9         | 1     | 9  | 50         | 15   | 11   | 41       | 26    | 1 | 15 | 55 |
| 16       | 9          | 40   | 51   |          |           |    | 16         | 10   | 43   | 9         |       |    |            | 16   | 11   | 43       | 27    |   |    |    |
| 17       | 9          | 42   | 52   |          |           |    | 17         | 10   | 45   | 10        |       |    |            | 17   | 11   | 45       | 27    |   |    |    |
| 18       | 9          | 44   | 52   |          |           |    | 18         | 10   | 47   | 11        |       |    |            | 18   | 11   | 47       | 28    |   |    |    |
| 19       | 9          | 46   | 53   |          |           |    | 19         | 10   | 49   | 11        |       |    |            | 19   | 11   | 49       | 29    |   |    |    |
| 20       | 9          | 48   | 53   | 1        | 3         | 46 | 20         | 10   | 51   | 12        | 1     | 10 | 51         | 20   | 11   | 51       | 29    | 1 | 16 | 55 |
| 21       | 9          | 50   | 54   |          |           |    | 21         | 10   | 53   | 12        |       |    |            | 21   | 11   | 53       | 30    |   |    |    |
| 22       | 9          | 52   | 55   |          |           |    | 22         | 10   | 55   | 13        |       |    |            | 22   | 11   | 55       | 30    |   |    |    |
| 23       | 9          | 54   | 55   |          |           |    | 23         | 10   | 57   | 14        |       |    |            | 23   | 11   | 57       | 31    |   |    |    |
| 24       | 9          | 56   | 56   |          |           |    | 24         | 10   | 59   | 14        |       |    |            | 24   | 11   | 59       | 32    |   |    |    |
| 25       | 9          | 58   | 57   | 1        | 4         | 47 | 25         | 11   | 1    | 15        | 1     | 11 | 52         | 25   | 12   | 1        | 32    | 1 | 17 | 56 |
| 26       | 10         | 0    | 57   |          |           |    | 26         | 11   | 3    | 15        |       |    |            | 26   | 12   | 3        | 33    |   |    |    |
| 27       | 10         | 2    | 58   |          |           |    | 27         | 11   | 5    | 16        |       |    |            | 27   | 12   | 5        | 33    |   |    |    |
| 28       | 10         | 4    | 58   |          |           |    | 28         | 11   | 7    | 17        |       |    |            | 28   | 12   | 7        | 34    |   |    |    |
| 29       | 10         | 6    | 59   |          |           |    | 29         | 11   | 9    | 17        |       |    |            | 29   | 12   | 9        | 35    |   |    |    |
| 30       | 10         | 8    | 59   |          |           |    | 30         | 11   | 11   | 18        | 1     | 12 | 52         | 30   | 12   | 11       | 35    |   |    |    |
| 31       | 10         | 11   | 0    | 1        | 5         | 48 |            |      |      |           |       |    |            | 31   | 12   | 13       | 36    | 1 | 18 | 57 |



TABLE XXXV.  
DES MOYENS MOUVEMENTS  
DE SATURNE

*Pour les Heures, Minutes & Secondes.*

| Longitude. |      |      | Longitude. |      |        | Longitude. |      |        |
|------------|------|------|------------|------|--------|------------|------|--------|
| Heures.    | Min. | Sec. | Min.       | Sec. | Tierc. | Min.       | Sec. | Tierc. |
| 1          | 0    | 5    | 1          | 0    | 5      | 31         | 2    | 36     |
| 2          | 0    | 10   | 2          | 0    | 10     | 32         | 2    | 41     |
| 3          | 0    | 15   | 3          | 0    | 15     | 33         | 2    | 46     |
| 4          | 0    | 20   | 4          | 0    | 20     | 34         | 2    | 51     |
| 5          | 0    | 25   | 5          | 0    | 25     | 35         | 2    | 56     |
| 6          | 0    | 30   | 6          | 0    | 30     | 36         | 3    | 1      |
| 7          | 0    | 35   | 7          | 0    | 35     | 37         | 3    | 6      |
| 8          | 0    | 40   | 8          | 0    | 40     | 38         | 3    | 11     |
| 9          | 0    | 45   | 9          | 0    | 45     | 39         | 3    | 16     |
| 10         | 0    | 50   | 10         | 0    | 50     | 40         | 3    | 21     |
| 11         | 0    | 55   | 11         | 0    | 55     | 41         | 3    | 26     |
| 12         | 1    | 0    | 12         | 1    | 0      | 42         | 3    | 31     |
| 13         | 1    | 5    | 13         | 1    | 5      | 43         | 3    | 36     |
| 14         | 1    | 10   | 14         | 1    | 10     | 44         | 3    | 41     |
| 15         | 1    | 15   | 15         | 1    | 15     | 45         | 3    | 46     |
| 16         | 1    | 20   | 16         | 1    | 20     | 46         | 3    | 51     |
| 17         | 1    | 25   | 17         | 1    | 25     | 47         | 3    | 56     |
| 18         | 1    | 30   | 18         | 1    | 30     | 48         | 4    | 1      |
| 19         | 1    | 35   | 19         | 1    | 35     | 49         | 4    | 6      |
| 20         | 1    | 40   | 20         | 1    | 40     | 50         | 4    | 11     |
| 21         | 1    | 45   | 21         | 1    | 45     | 51         | 4    | 16     |
| 22         | 1    | 51   | 22         | 1    | 51     | 52         | 4    | 21     |
| 23         | 1    | 56   | 23         | 1    | 56     | 53         | 4    | 26     |
| 24         | 2    | 1    | 24         | 2    | 1      | 54         | 4    | 31     |
|            |      |      | 25         | 2    | 6      | 55         | 4    | 36     |
|            |      |      | 26         | 2    | 11     | 56         | 4    | 41     |
|            |      |      | 27         | 2    | 16     | 57         | 4    | 46     |
|            |      |      | 28         | 2    | 21     | 58         | 4    | 51     |
|            |      |      | 29         | 2    | 26     | 59         | 4    | 56     |
|            |      |      | 30         | 2    | 31     | 60         | 5    | 1      |

TABLE XXXVI.  
DE L'EQUATION DU CENTRE DE SATURNE,  
Et de sa Distance au Soleil.

ANOMALIE MOYENNE DE SATURNE.

| Deg. | O. Signe.      |    |    | I. Signe.      |    |    | II. Signes.    |        |    | Deg.          |    |       |               |  |
|------|----------------|----|----|----------------|----|----|----------------|--------|----|---------------|----|-------|---------------|--|
|      | Equat. foustr. |    |    | Equat. foustr. |    |    | Equat. foustr. |        |    |               |    |       |               |  |
|      | D.             | M. | S. | D.             | M. | S. | D.             | M.     | S. |               |    |       |               |  |
| 0    | 0              | 0  | 0  | 100850         | 3  | 4  | 18             | 100193 | 5  | 26            | 53 | 98357 | 30            |  |
| 1    | 0              | 6  | 23 | 100850         | 3  | 9  | 56             | 100149 | 5  | 30            | 27 | 98279 | 29            |  |
| 2    | 0              | 12 | 45 | 100849         | 3  | 15 | 30             | 100104 | 5  | 33            | 56 | 98200 | 28            |  |
| 3    | 0              | 19 | 7  | 100846         | 3  | 21 | 2              | 100058 | 5  | 37            | 20 | 98120 | 27            |  |
| 4    | 0              | 25 | 30 | 100841         | 3  | 26 | 31             | 100011 | 5  | 40            | 39 | 98040 | 26            |  |
| 5    | 0              | 31 | 52 | 100834         | 3  | 31 | 58             | 99963  | 5  | 43            | 52 | 97959 | 25            |  |
| 6    | 0              | 38 | 13 | 100825         | 3  | 37 | 23             | 99913  | 5  | 46            | 59 | 97877 | 24            |  |
| 7    | 0              | 44 | 33 | 100814         | 3  | 42 | 44             | 99862  | 5  | 49            | 59 | 97794 | 23            |  |
| 8    | 0              | 50 | 53 | 100802         | 3  | 48 | 1              | 99809  | 5  | 52            | 54 | 97710 | 22            |  |
| 9    | 0              | 57 | 12 | 100789         | 3  | 53 | 15             | 99755  | 5  | 55            | 43 | 97626 | 21            |  |
| 10   | 1              | 3  | 30 | 100775         | 3  | 58 | 25             | 99699  | 5  | 58            | 25 | 97541 | 20            |  |
| 11   | 1              | 9  | 47 | 100760         | 4  | 3  | 31             | 99642  | 6  | 1             | 3  | 97456 | 19            |  |
| 12   | 1              | 16 | 4  | 100743         | 4  | 8  | 34             | 99584  | 6  | 3             | 36 | 97370 | 18            |  |
| 13   | 1              | 22 | 19 | 100725         | 4  | 13 | 32             | 99526  | 6  | 6             | 3  | 97283 | 17            |  |
| 14   | 1              | 28 | 33 | 100706         | 4  | 18 | 27             | 99466  | 6  | 8             | 23 | 97195 | 16            |  |
| 15   | 1              | 34 | 46 | 100685         | 4  | 23 | 18             | 99405  | 6  | 10            | 36 | 97106 | 15            |  |
| 16   | 1              | 40 | 58 | 100663         | 4  | 28 | 4              | 99343  | 6  | 12            | 42 | 97017 | 14            |  |
| 17   | 1              | 47 | 8  | 100639         | 4  | 32 | 46             | 99280  | 6  | 14            | 42 | 96927 | 13            |  |
| 18   | 1              | 53 | 16 | 100613         | 4  | 37 | 24             | 99215  | 6  | 16            | 36 | 96837 | 12            |  |
| 19   | 1              | 59 | 22 | 100585         | 4  | 41 | 57             | 99149  | 6  | 18            | 23 | 96747 | 11            |  |
| 20   | 2              | 5  | 27 | 100556         | 4  | 46 | 26             | 99082  | 6  | 20            | 3  | 96656 | 10            |  |
| 21   | 2              | 11 | 30 | 100526         | 4  | 50 | 50             | 99014  | 6  | 21            | 36 | 96565 | 9             |  |
| 22   | 2              | 17 | 31 | 100495         | 4  | 55 | 10             | 98945  | 6  | 23            | 3  | 96473 | 8             |  |
| 23   | 2              | 23 | 30 | 100463         | 4  | 59 | 25             | 98875  | 6  | 24            | 23 | 96381 | 7             |  |
| 24   | 2              | 29 | 27 | 100430         | 5  | 3  | 35             | 98804  | 6  | 25            | 38 | 96288 | 6             |  |
| 25   | 2              | 35 | 21 | 100395         | 5  | 7  | 41             | 98732  | 6  | 26            | 46 | 96195 | 5             |  |
| 26   | 2              | 41 | 13 | 100358         | 5  | 11 | 42             | 98659  | 6  | 27            | 47 | 96102 | 4             |  |
| 27   | 2              | 47 | 3  | 100319         | 5  | 15 | 38             | 98585  | 6  | 28            | 40 | 96008 | 3             |  |
| 28   | 2              | 52 | 50 | 100278         | 5  | 19 | 29             | 98510  | 6  | 29            | 28 | 95914 | 2             |  |
| 29   | 2              | 58 | 36 | 100236         | 5  | 23 | 14             | 98434  | 6  | 30            | 5  | 95820 | 1             |  |
| 30   | 3              | 4  | 18 | 100193         | 5  | 26 | 53             | 98357  | 6  | 30            | 38 | 95726 | 0             |  |
|      | Equat. addit.  |    |    | Dist. au Sol.  |    |    | Equat. addit.  |        |    | Dist. au Sol. |    |       | Dist. au Sol. |  |
|      | XI. Signes.    |    |    | X. Signes.     |    |    | IX. Signes.    |        |    |               |    |       |               |  |

ANOMALIE MOYENNE DE SATURNE.

TABLE XXXVI.  
DE L'EQUATION DU CENTRE DE SATURNE,  
Et de sa Distance au Soleil.

ANOMALIE MOYENNE DE SATURNE.

| Deg.                         | III. Signes.   |                     | IV. Signes.    |                     | V. Signes.     |                     | Deg. |
|------------------------------|----------------|---------------------|----------------|---------------------|----------------|---------------------|------|
|                              | Equat. foustr. |                     | Equat. foustr. |                     | Equat. foustr. |                     |      |
|                              | D. M. S.       | Distance au Soleil. | D. M. S.       | Distance au Soleil. | D. M. S.       | Distance au Soleil. |      |
| 0                            | 6 30 38        | 95726               | 5 50 57        | 92944               | 3 28 25        | 90798               | 30   |
| 1                            | 6 31 5         | 95632               | 5 47 46        | 92858               | 3 22 14        | 90746               | 29   |
| 2                            | 6 31 22        | 95538               | 5 44 27        | 92772               | 3 15 59        | 90696               | 28   |
| 3                            | 6 31 33        | 95443               | 5 41 1         | 92687               | 3 9 40         | 90647               | 27   |
| 4                            | 6 31 40        | 95348               | 5 37 27        | 92603               | 3 3 16         | 90599               | 26   |
| 5                            | 6 31 34        | 95253               | 5 33 47        | 92520               | 2 56 47        | 90553               | 25   |
| 6                            | 6 31 24        | 95158               | 5 30 1         | 92438               | 2 50 14        | 90509               | 24   |
| 7                            | 6 31 11        | 95063               | 5 26 8         | 92357               | 2 43 37        | 90467               | 23   |
| 8                            | 6 30 44        | 94968               | 5 22 8         | 92276               | 2 36 56        | 90427               | 22   |
| 9                            | 6 30 11        | 94873               | 5 18 1         | 92196               | 2 30 12        | 90389               | 21   |
| 10                           | 6 29 32        | 94778               | 5 13 48        | 92117               | 2 23 25        | 90352               | 20   |
| 11                           | 6 28 46        | 94683               | 5 9 28         | 92040               | 2 16 35        | 90317               | 19   |
| 12                           | 6 27 53        | 94588               | 5 5 2          | 91964               | 2 9 42         | 90284               | 18   |
| 13                           | 6 26 52        | 94494               | 5 0 30         | 91889               | 2 2 46         | 90252               | 17   |
| 14                           | 6 25 42        | 94400               | 4 55 51        | 91815               | 1 55 47        | 90221               | 16   |
| 15                           | 6 24 25        | 94306               | 4 51 6         | 91742               | 1 48 45        | 90192               | 15   |
| 16                           | 6 23 1         | 94212               | 4 46 16        | 91669               | 1 41 41        | 90165               | 14   |
| 17                           | 6 21 31        | 94119               | 4 41 20        | 91598               | 1 34 35        | 90140               | 13   |
| 18                           | 6 19 54        | 94026               | 4 36 18        | 91528               | 1 27 27        | 90117               | 12   |
| 19                           | 6 18 9         | 93933               | 4 31 9         | 91460               | 1 20 17        | 90095               | 11   |
| 20                           | 6 16 16        | 93841               | 4 25 52        | 91393               | 1 13 5         | 90075               | 10   |
| 21                           | 6 14 16        | 93749               | 4 20 30        | 91327               | 1 5 51         | 90058               | 9    |
| 22                           | 6 12 10        | 93657               | 4 15 4         | 91262               | 0 58 36        | 90044               | 8    |
| 23                           | 6 9 56         | 93566               | 4 9 33         | 91199               | 0 51 19        | 90031               | 7    |
| 24                           | 6 7 35         | 93475               | 4 3 57         | 91137               | 0 44 1         | 90019               | 6    |
| 25                           | 6 5 6          | 93384               | 3 58 15        | 91077               | 0 36 42        | 90008               | 5    |
| 26                           | 6 2 30         | 93294               | 3 52 27        | 91018               | 0 29 23        | 89999               | 4    |
| 27                           | 5 59 47        | 93205               | 3 46 34        | 90961               | 0 22 3         | 89992               | 3    |
| 28                           | 5 56 57        | 93117               | 3 40 35        | 90905               | 0 14 42        | 89988               | 2    |
| 29                           | 5 54 0         | 93030               | 3 34 32        | 90851               | 0 7 21         | 89986               | 1    |
| 30                           | 5 50 57        | 92944               | 3 28 25        | 90798               | 0 0 0          | 89986               | 0    |
|                              | Equat. addit.  | Dist. au Sol.       | Equat. addit.  | Dist. au Sol.       | Equat. addit.  | Dist. au Sol.       | Deg. |
|                              | VIII. Signes.  |                     | VII. Signes.   |                     | VI. Signes.    |                     |      |
| ANOMALIE MOYENNE DE SATURNE. |                |                     |                |                     |                |                     |      |

TABLE XXXVII.  
DE LA LATIT. DE SATURNE  
Vuë du Soleil.

LATITUDE BORÉALE DANS LES 6 PREM. SIGNES.  
LATITUDE AUSTRALE DANS LES 6 DERN. SIGNES.

| Argum.<br>de la<br>Latit. | O. Signe.   |             |              | I. Signe.                 |    |    | II. Signes. |    |    |      |
|---------------------------|-------------|-------------|--------------|---------------------------|----|----|-------------|----|----|------|
|                           | VI. Signes. |             |              | VII. Signes.              |    |    | VIII. Sign. |    |    |      |
| Deg.                      | D.          | M.          | S.           | D.                        | M. | S. | D.          | M. | S. |      |
| 0                         | 0           | 0           | 0            | 1                         | 15 | 16 | 2           | 10 | 24 | 30   |
| 1                         | 0           | 2           | 38           | 1                         | 17 | 32 | 2           | 11 | 42 | 29   |
| 2                         | 0           | 5           | 16           | 1                         | 19 | 47 | 2           | 12 | 57 | 28   |
| 3                         | 0           | 7           | 53           | 1                         | 22 | 0  | 2           | 14 | 10 | 27   |
| 4                         | 0           | 10          | 30           | 1                         | 24 | 11 | 2           | 15 | 20 | 26   |
| 5                         | 0           | 13          | 7            | 1                         | 26 | 21 | 2           | 16 | 28 | 25   |
| 6                         | 0           | 15          | 44           | 1                         | 28 | 30 | 2           | 17 | 33 | 24   |
| 7                         | 0           | 18          | 21           | 1                         | 30 | 37 | 2           | 18 | 36 | 23   |
| 8                         | 0           | 20          | 57           | 1                         | 32 | 42 | 2           | 19 | 37 | 22   |
| 9                         | 0           | 23          | 33           | 1                         | 34 | 45 | 2           | 20 | 35 | 21   |
| 10                        | 0           | 26          | 8            | 1                         | 36 | 47 | 2           | 21 | 30 | 20   |
| 11                        | 0           | 28          | 43           | 1                         | 38 | 47 | 2           | 22 | 23 | 19   |
| 12                        | 0           | 31          | 18           | 1                         | 40 | 45 | 2           | 23 | 13 | 18   |
| 13                        | 0           | 33          | 52           | 1                         | 42 | 41 | 2           | 24 | 1  | 17   |
| 14                        | 0           | 36          | 25           | 1                         | 44 | 35 | 2           | 24 | 45 | 16   |
| 15                        | 0           | 38          | 58           | 1                         | 46 | 27 | 2           | 25 | 27 | 15   |
| 16                        | 0           | 41          | 30           | 1                         | 48 | 18 | 2           | 26 | 6  | 14   |
| 17                        | 0           | 44          | 1            | 1                         | 50 | 6  | 2           | 26 | 43 | 13   |
| 18                        | 0           | 46          | 31           | 1                         | 51 | 53 | 2           | 27 | 17 | 12   |
| 19                        | 0           | 49          | 1            | 1                         | 53 | 38 | 2           | 27 | 49 | 11   |
| 20                        | 0           | 51          | 29           | 1                         | 55 | 20 | 2           | 28 | 17 | 10   |
| 21                        | 0           | 53          | 56           | 1                         | 57 | 0  | 2           | 28 | 43 | 9    |
| 22                        | 0           | 56          | 23           | 1                         | 58 | 39 | 2           | 29 | 7  | 8    |
| 23                        | 0           | 58          | 49           | 2                         | 0  | 15 | 2           | 29 | 28 | 7    |
| 24                        | 1           | 1           | 13           | 2                         | 1  | 49 | 2           | 29 | 45 | 6    |
| 25                        | 1           | 3           | 37           | 2                         | 3  | 20 | 2           | 30 | 0  | 5    |
| 26                        | 1           | 6           | 0            | 2                         | 4  | 49 | 2           | 30 | 13 | 4    |
| 27                        | 1           | 8           | 21           | 2                         | 6  | 16 | 2           | 30 | 23 | 3    |
| 28                        | 1           | 10          | 40           | 2                         | 7  | 41 | 2           | 30 | 30 | 2    |
| 29                        | 1           | 12          | 58           | 2                         | 9  | 4  | 2           | 30 | 34 | 1    |
| 30                        | 1           | 15          | 16           | 2                         | 10 | 24 | 2           | 30 | 36 | 0    |
|                           |             |             |              |                           |    |    |             |    |    | Deg. |
|                           | XI. Signes. | X. Signes.  | IX. Signes.  | Argum.<br>de la<br>Latit. |    |    |             |    |    |      |
|                           | V. Signes.  | IV. Signes. | III. Signes. |                           |    |    |             |    |    |      |

LATITUDE BORÉALE DANS LES 6 PREM. SIGNES.  
LATITUDE AUSTRALE DANS LES 6 DERN. SIGNES.

TABLE XXXVIII.  
DE LA REDUCTION  
A L'ECLIPTIQUE.

Réduction soustractive en descendant.

| Argum.<br>de la<br>Latit. | O. Signe. |           | I. Signe.  |                           | II. Sign.  |    |      |
|---------------------------|-----------|-----------|------------|---------------------------|------------|----|------|
|                           | VI. Sign. |           | VII. Sig.  |                           | VIII. Sig. |    |      |
| Deg.                      | M.        | S.        | M.         | S.                        | M.         | S. |      |
| 0                         | 0         | 0         | 1          | 26                        | 1          | 26 | 30   |
| 1                         | 0         | 4         | 1          | 28                        | 1          | 24 | 29   |
| 2                         | 0         | 8         | 1          | 29                        | 1          | 22 | 28   |
| 3                         | 0         | 11        | 1          | 30                        | 1          | 20 | 27   |
| 4                         | 0         | 15        | 1          | 31                        | 1          | 18 | 26   |
| 5                         | 0         | 18        | 1          | 33                        | 1          | 16 | 25   |
| 6                         | 0         | 22        | 1          | 34                        | 1          | 14 | 24   |
| 7                         | 0         | 25        | 1          | 35                        | 1          | 12 | 23   |
| 8                         | 0         | 28        | 1          | 36                        | 1          | 10 | 22   |
| 9                         | 0         | 32        | 1          | 36                        | 1          | 7  | 21   |
| 10                        | 0         | 35        | 1          | 37                        | 1          | 4  | 20   |
| 11                        | 0         | 38        | 1          | 37                        | 1          | 2  | 19   |
| 12                        | 0         | 42        | 1          | 38                        | 0          | 59 | 18   |
| 13                        | 0         | 45        | 1          | 38                        | 0          | 56 | 17   |
| 14                        | 0         | 48        | 1          | 39                        | 0          | 53 | 16   |
| 15                        | 0         | 51        | 1          | 39                        | 0          | 51 | 15   |
| 16                        | 0         | 53        | 1          | 39                        | 0          | 48 | 14   |
| 17                        | 0         | 56        | 1          | 38                        | 0          | 45 | 13   |
| 18                        | 0         | 59        | 1          | 38                        | 0          | 42 | 12   |
| 19                        | 1         | 2         | 1          | 37                        | 0          | 38 | 11   |
| 20                        | 1         | 4         | 1          | 37                        | 0          | 35 | 10   |
| 21                        | 1         | 7         | 1          | 36                        | 0          | 32 | 9    |
| 22                        | 1         | 10        | 1          | 36                        | 0          | 28 | 8    |
| 23                        | 1         | 12        | 1          | 35                        | 0          | 25 | 7    |
| 24                        | 1         | 14        | 1          | 35                        | 0          | 22 | 6    |
| 25                        | 1         | 16        | 1          | 34                        | 0          | 18 | 5    |
| 26                        | 1         | 18        | 1          | 33                        | 0          | 15 | 4    |
| 27                        | 1         | 20        | 1          | 31                        | 0          | 11 | 3    |
| 28                        | 1         | 22        | 1          | 29                        | 0          | 8  | 2    |
| 29                        | 1         | 24        | 1          | 28                        | 0          | 4  | 1    |
| 30                        | 1         | 26        | 1          | 26                        | 0          | 0  | 0    |
|                           |           |           |            |                           |            |    | Deg. |
|                           | XI. Sign. | X. Sign.  | IX. Sign.  | Argum.<br>de la<br>Latit. |            |    |      |
|                           | V. Sign.  | IV. Sign. | III. Sign. |                           |            |    |      |

Réduction additive en montant.

T A B L E X X X I X.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE J U P I T E R.

ANNÉES JULIENNES AVANT JESUS-CHRIST.

| Années. | Longitude moyenne. |    |    |    | Lieu de l'Aphélie. |    |    |    | Lieu du Nœud. |    |    |    |
|---------|--------------------|----|----|----|--------------------|----|----|----|---------------|----|----|----|
|         | Sign.              | D. | M. | S. | Sign.              | D. | M. | S. | Sign.         | D. | M. | S. |
| B. 300  | 1                  | 9  | 37 | 36 | 5                  | 7  | 32 | 44 | 2             | 24 | 7  | 0  |
| B. 200  | 6                  | 15 | 59 | 6  | 5                  | 9  | 8  | 26 | 2             | 24 | 47 | 9  |
| B. 100  | 11                 | 22 | 20 | 36 | 5                  | 10 | 44 | 8  | 2             | 25 | 27 | 17 |
| B. 0    | 4                  | 28 | 42 | 6  | 5                  | 12 | 19 | 50 | 2             | 26 | 7  | 26 |

ANNÉES JULIENNES APRÈS JESUS-CHRIST.

|         |    |    |    |    |   |    |    |    |   |    |    |    |
|---------|----|----|----|----|---|----|----|----|---|----|----|----|
| B. 100  | 10 | 5  | 3  | 36 | 5 | 13 | 55 | 32 | 2 | 26 | 47 | 35 |
| B. 200  | 3  | 11 | 25 | 6  | 5 | 15 | 31 | 14 | 2 | 27 | 27 | 43 |
| B. 300  | 8  | 17 | 46 | 36 | 5 | 17 | 6  | 56 | 2 | 28 | 7  | 52 |
| B. 400  | 1  | 24 | 8  | 6  | 5 | 18 | 42 | 38 | 2 | 28 | 48 | 1  |
| B. 500  | 7  | 0  | 29 | 36 | 5 | 20 | 18 | 20 | 2 | 29 | 28 | 10 |
| B. 600  | 0  | 6  | 51 | 6  | 5 | 21 | 54 | 2  | 3 | 0  | 8  | 19 |
| B. 700  | 5  | 13 | 12 | 36 | 5 | 23 | 29 | 44 | 3 | 0  | 48 | 27 |
| B. 800  | 10 | 19 | 34 | 6  | 5 | 25 | 5  | 26 | 3 | 1  | 28 | 36 |
| B. 900  | 3  | 25 | 55 | 36 | 5 | 26 | 41 | 8  | 3 | 2  | 8  | 44 |
| B. 1000 | 9  | 2  | 17 | 6  | 5 | 28 | 16 | 50 | 3 | 2  | 48 | 53 |
| B. 1100 | 2  | 8  | 38 | 36 | 5 | 29 | 52 | 32 | 3 | 3  | 29 | 2  |
| B. 1200 | 7  | 15 | 0  | 6  | 6 | 1  | 28 | 14 | 3 | 4  | 9  | 10 |
| B. 1300 | 0  | 21 | 21 | 36 | 6 | 3  | 3  | 56 | 3 | 4  | 49 | 19 |
| B. 1400 | 5  | 27 | 43 | 6  | 6 | 4  | 39 | 38 | 3 | 5  | 29 | 28 |
| B. 1500 | 11 | 4  | 4  | 36 | 6 | 6  | 15 | 20 | 3 | 6  | 9  | 36 |
| B. 1600 | 4  | 10 | 26 | 6  | 6 | 7  | 51 | 2  | 3 | 6  | 49 | 45 |

ANNÉES GRÉGORIENNES APRÈS JESUS-CHRIST.

|         |    |    |    |    |   |   |    |    |   |   |    |    |
|---------|----|----|----|----|---|---|----|----|---|---|----|----|
| B. 1600 | 4  | 9  | 36 | 13 | 6 | 7 | 51 | 0  | 3 | 6 | 49 | 44 |
| C. 1700 | 9  | 15 | 52 | 44 | 6 | 9 | 26 | 42 | 3 | 7 | 29 | 53 |
| C. 1701 | 10 | 16 | 13 | 18 | 6 | 9 | 27 | 39 | 3 | 7 | 30 | 17 |
| C. 1702 | 11 | 16 | 33 | 52 | 6 | 9 | 28 | 37 | 3 | 7 | 30 | 41 |
| C. 1703 | 0  | 16 | 54 | 26 | 6 | 9 | 29 | 34 | 3 | 7 | 31 | 5  |
| B. 1704 | 1  | 17 | 20 | 0  | 6 | 9 | 30 | 32 | 3 | 7 | 31 | 29 |
| C. 1705 | 2  | 17 | 40 | 34 | 6 | 9 | 31 | 29 | 3 | 7 | 31 | 53 |
| C. 1706 | 3  | 18 | 1  | 8  | 6 | 9 | 32 | 27 | 3 | 7 | 32 | 17 |
| C. 1707 | 4  | 18 | 21 | 42 | 6 | 9 | 33 | 24 | 3 | 7 | 32 | 42 |

TABLE XXXIX.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE JUPITER.

ANNÉES GRÉGORIENNES APRÈS JESUS-CHRIST.

| Années. | Longitude moyenne. |    |    |    | Lieu de l'Aphélie. |    |    |    | Lieu du Nœud. |    |    |    |
|---------|--------------------|----|----|----|--------------------|----|----|----|---------------|----|----|----|
|         | Sign.              | D. | M. | S. | Sign.              | D. | M. | S. | Sign.         | D. | M. | S. |
| B. 1708 | 5                  | 18 | 47 | 15 | 6                  | 9  | 34 | 22 | 3             | 7  | 33 | 6  |
| 1709    | 6                  | 19 | 7  | 49 | 6                  | 9  | 35 | 19 | 3             | 7  | 33 | 30 |
| 1710    | 7                  | 19 | 28 | 23 | 6                  | 9  | 36 | 17 | 3             | 7  | 33 | 54 |
| 1711    | 8                  | 19 | 48 | 57 | 6                  | 9  | 37 | 14 | 3             | 7  | 34 | 18 |
| B. 1712 | 9                  | 20 | 14 | 31 | 6                  | 9  | 38 | 11 | 3             | 7  | 34 | 42 |
| 1713    | 10                 | 20 | 35 | 5  | 6                  | 9  | 39 | 9  | 3             | 7  | 35 | 6  |
| 1714    | 11                 | 20 | 55 | 39 | 6                  | 9  | 40 | 6  | 3             | 7  | 35 | 30 |
| 1715    | 0                  | 21 | 16 | 13 | 6                  | 9  | 41 | 4  | 3             | 7  | 35 | 54 |
| B. 1716 | 1                  | 21 | 41 | 46 | 6                  | 9  | 42 | 1  | 3             | 7  | 36 | 18 |
| 1717    | 2                  | 22 | 2  | 21 | 6                  | 9  | 42 | 59 | 3             | 7  | 36 | 42 |
| 1718    | 3                  | 22 | 22 | 55 | 6                  | 9  | 43 | 56 | 3             | 7  | 37 | 6  |
| 1719    | 4                  | 22 | 43 | 29 | 6                  | 9  | 44 | 54 | 3             | 7  | 37 | 31 |
| B. 1720 | 5                  | 23 | 9  | 2  | 6                  | 9  | 45 | 51 | 3             | 7  | 37 | 55 |
| 1721    | 6                  | 23 | 29 | 36 | 6                  | 9  | 46 | 49 | 3             | 7  | 38 | 19 |
| 1722    | 7                  | 23 | 50 | 10 | 6                  | 9  | 47 | 46 | 3             | 7  | 38 | 43 |
| 1723    | 8                  | 24 | 10 | 44 | 6                  | 9  | 48 | 43 | 3             | 7  | 39 | 7  |
| B. 1724 | 9                  | 24 | 36 | 18 | 6                  | 9  | 49 | 40 | 3             | 7  | 39 | 31 |
| 1725    | 10                 | 24 | 56 | 52 | 6                  | 9  | 50 | 38 | 3             | 7  | 39 | 55 |
| 1726    | 11                 | 25 | 17 | 26 | 6                  | 9  | 51 | 35 | 3             | 7  | 40 | 19 |
| 1727    | 0                  | 25 | 38 | 0  | 6                  | 9  | 52 | 33 | 3             | 7  | 40 | 43 |
| B. 1728 | 1                  | 26 | 3  | 33 | 6                  | 9  | 53 | 30 | 3             | 7  | 41 | 7  |
| 1729    | 2                  | 26 | 24 | 7  | 6                  | 9  | 54 | 28 | 3             | 7  | 41 | 32 |
| 1730    | 3                  | 26 | 44 | 41 | 6                  | 9  | 55 | 25 | 3             | 7  | 41 | 56 |
| 1731    | 4                  | 27 | 5  | 15 | 6                  | 9  | 56 | 23 | 3             | 7  | 42 | 20 |
| B. 1732 | 5                  | 27 | 30 | 49 | 6                  | 9  | 57 | 20 | 3             | 7  | 42 | 44 |
| 1733    | 6                  | 27 | 51 | 23 | 6                  | 9  | 58 | 18 | 3             | 7  | 43 | 8  |
| 1734    | 7                  | 28 | 11 | 57 | 6                  | 9  | 59 | 15 | 3             | 7  | 43 | 32 |
| 1735    | 8                  | 28 | 32 | 31 | 6                  | 10 | 0  | 12 | 3             | 7  | 43 | 56 |
| B. 1736 | 9                  | 28 | 58 | 4  | 6                  | 10 | 1  | 9  | 3             | 7  | 44 | 20 |
| 1737    | 10                 | 29 | 18 | 38 | 6                  | 10 | 2  | 7  | 3             | 7  | 44 | 44 |
| 1738    | 11                 | 29 | 39 | 13 | 6                  | 10 | 3  | 4  | 3             | 7  | 45 | 8  |

TABLE XXXIX.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE JUPITER.

ANNÉES GRÉGORIENNES APRÈS JESUS-CHRIST.

| Années. | Longitude moyenne. |    |    |    | Lieu de l'Aphélie. |    |    |    | Lieu du Nœud. |    |    |    |
|---------|--------------------|----|----|----|--------------------|----|----|----|---------------|----|----|----|
|         | Sign.              | D. | M. | S. | Sign.              | D. | M. | S. | Sign.         | D. | M. | S. |
| 1739    | 0                  | 29 | 59 | 47 | 6                  | 10 | 4  | 2  | 3             | 7  | 45 | 32 |
| B. 1740 | 2                  | 0  | 25 | 20 | 6                  | 10 | 4  | 59 | 3             | 7  | 45 | 56 |
| 1741    | 3                  | 0  | 45 | 54 | 6                  | 10 | 5  | 56 | 3             | 7  | 46 | 20 |
| 1742    | 4                  | 1  | 6  | 28 | 6                  | 10 | 6  | 54 | 3             | 7  | 46 | 44 |
| 1743    | 5                  | 1  | 27 | 2  | 6                  | 10 | 7  | 51 | 3             | 7  | 47 | 8  |
| B. 1744 | 6                  | 1  | 52 | 36 | 6                  | 10 | 8  | 49 | 3             | 7  | 47 | 32 |
| 1745    | 7                  | 2  | 13 | 10 | 6                  | 10 | 9  | 46 | 3             | 7  | 47 | 56 |
| 1746    | 8                  | 2  | 33 | 44 | 6                  | 10 | 10 | 43 | 3             | 7  | 48 | 21 |
| 1747    | 9                  | 2  | 54 | 18 | 6                  | 10 | 11 | 41 | 3             | 7  | 48 | 45 |
| B. 1748 | 10                 | 3  | 19 | 51 | 6                  | 10 | 12 | 38 | 3             | 7  | 49 | 9  |
| 1749    | 11                 | 3  | 40 | 25 | 6                  | 10 | 13 | 36 | 3             | 7  | 49 | 33 |
| 1750    | 0                  | 4  | 0  | 59 | 6                  | 10 | 14 | 33 | 3             | 7  | 49 | 57 |
| 1751    | 1                  | 4  | 21 | 33 | 6                  | 10 | 15 | 30 | 3             | 7  | 50 | 21 |
| B. 1752 | 2                  | 4  | 47 | 7  | 6                  | 10 | 16 | 28 | 3             | 7  | 50 | 45 |
| 1753    | 3                  | 5  | 7  | 41 | 6                  | 10 | 17 | 25 | 3             | 7  | 51 | 9  |
| 1754    | 4                  | 5  | 28 | 15 | 6                  | 10 | 18 | 23 | 3             | 7  | 51 | 33 |
| 1755    | 5                  | 5  | 48 | 49 | 6                  | 10 | 19 | 20 | 3             | 7  | 51 | 57 |
| B. 1756 | 6                  | 6  | 14 | 23 | 6                  | 10 | 20 | 18 | 3             | 7  | 52 | 21 |
| 1757    | 7                  | 6  | 34 | 56 | 6                  | 10 | 21 | 15 | 3             | 7  | 52 | 45 |
| 1758    | 8                  | 6  | 55 | 30 | 6                  | 10 | 22 | 12 | 3             | 7  | 53 | 9  |
| 1759    | 9                  | 7  | 16 | 4  | 6                  | 10 | 23 | 10 | 3             | 7  | 53 | 34 |
| B. 1760 | 10                 | 7  | 41 | 37 | 6                  | 10 | 24 | 7  | 3             | 7  | 53 | 58 |
| 1761    | 11                 | 8  | 2  | 11 | 6                  | 10 | 25 | 4  | 3             | 7  | 54 | 22 |
| 1762    | 0                  | 8  | 22 | 45 | 6                  | 10 | 26 | 2  | 3             | 7  | 54 | 46 |
| 1763    | 1                  | 8  | 43 | 19 | 6                  | 10 | 26 | 59 | 3             | 7  | 55 | 10 |
| B. 1764 | 2                  | 9  | 8  | 53 | 6                  | 10 | 27 | 56 | 3             | 7  | 55 | 34 |
| 1765    | 3                  | 9  | 29 | 27 | 6                  | 10 | 28 | 54 | 3             | 7  | 55 | 58 |
| 1766    | 4                  | 9  | 50 | 1  | 6                  | 10 | 29 | 52 | 3             | 7  | 56 | 22 |
| 1767    | 5                  | 10 | 10 | 35 | 6                  | 10 | 30 | 49 | 3             | 7  | 56 | 46 |
| B. 1768 | 6                  | 10 | 36 | 8  | 6                  | 10 | 31 | 47 | 3             | 7  | 57 | 10 |
| 1769    | 7                  | 10 | 56 | 42 | 6                  | 10 | 32 | 44 | 3             | 7  | 57 | 34 |

TABLE XXXIX.  
DES EPOQUES DES MOYENS MOUVEMENTS  
DE JUPITER.

ANNÉES GREGORIENNES APRES JESUS-CHRIST.

| Années. | Longitude moyenne. |    |    |    | Lieu de l'Aphélie. |    |    |    | Lieu du Nœud. |    |    |    |
|---------|--------------------|----|----|----|--------------------|----|----|----|---------------|----|----|----|
|         | Sign.              | D. | M. | S. | Sign.              | D. | M. | S. | Sign.         | D. | M. | S. |
| 1770    | 8                  | 11 | 17 | 16 | 6                  | 10 | 33 | 42 | 3             | 7  | 57 | 58 |
| B. 1771 | 9                  | 11 | 37 | 50 | 6                  | 10 | 34 | 39 | 3             | 7  | 58 | 23 |
| 1772    | 10                 | 12 | 3  | 24 | 6                  | 10 | 35 | 36 | 3             | 7  | 58 | 47 |
| 1773    | 11                 | 12 | 23 | 58 | 6                  | 10 | 36 | 34 | 3             | 7  | 59 | 11 |
| 1774    | 0                  | 12 | 44 | 32 | 6                  | 10 | 37 | 31 | 3             | 7  | 59 | 35 |
| 1775    | 1                  | 13 | 5  | 6  | 6                  | 10 | 38 | 29 | 3             | 7  | 59 | 59 |
| B. 1776 | 2                  | 13 | 30 | 39 | 6                  | 10 | 39 | 26 | 3             | 8  | 0  | 23 |
| 1777    | 3                  | 13 | 51 | 13 | 6                  | 10 | 40 | 23 | 3             | 8  | 0  | 47 |
| 1778    | 4                  | 14 | 11 | 47 | 6                  | 10 | 41 | 21 | 3             | 8  | 1  | 11 |
| 1779    | 5                  | 14 | 32 | 21 | 6                  | 10 | 42 | 18 | 3             | 8  | 1  | 35 |
| B. 1780 | 6                  | 14 | 57 | 55 | 6                  | 10 | 43 | 16 | 3             | 8  | 1  | 59 |
| 1781    | 7                  | 15 | 18 | 29 | 6                  | 10 | 44 | 13 | 3             | 8  | 2  | 24 |
| 1782    | 8                  | 15 | 39 | 3  | 6                  | 10 | 45 | 10 | 3             | 8  | 2  | 48 |
| 1783    | 9                  | 15 | 59 | 37 | 6                  | 10 | 46 | 8  | 3             | 8  | 3  | 12 |
| B. 1784 | 10                 | 16 | 25 | 11 | 6                  | 10 | 47 | 5  | 3             | 8  | 3  | 36 |
| 1785    | 11                 | 16 | 45 | 45 | 6                  | 10 | 48 | 3  | 3             | 8  | 4  | 0  |
| 1786    | 0                  | 17 | 6  | 19 | 6                  | 10 | 49 | 0  | 3             | 8  | 4  | 24 |
| 1787    | 1                  | 17 | 26 | 53 | 6                  | 10 | 49 | 58 | 3             | 8  | 4  | 48 |
| B. 1788 | 2                  | 17 | 52 | 27 | 6                  | 10 | 50 | 55 | 3             | 8  | 5  | 12 |
| 1789    | 3                  | 18 | 13 | 1  | 6                  | 10 | 51 | 52 | 3             | 8  | 5  | 36 |
| 1790    | 4                  | 18 | 33 | 35 | 6                  | 10 | 52 | 50 | 3             | 8  | 6  | 0  |
| 1791    | 5                  | 18 | 54 | 9  | 6                  | 10 | 53 | 47 | 3             | 8  | 6  | 24 |
| B. 1792 | 6                  | 19 | 19 | 43 | 6                  | 10 | 54 | 45 | 3             | 8  | 6  | 48 |
| 1793    | 7                  | 19 | 40 | 17 | 6                  | 10 | 55 | 42 | 3             | 8  | 7  | 12 |
| 1794    | 8                  | 20 | 0  | 51 | 6                  | 10 | 56 | 40 | 3             | 8  | 7  | 37 |
| 1795    | 9                  | 20 | 21 | 25 | 6                  | 10 | 57 | 37 | 3             | 8  | 8  | 1  |
| B. 1796 | 10                 | 20 | 46 | 59 | 6                  | 10 | 58 | 34 | 3             | 8  | 8  | 25 |
| 1797    | 11                 | 21 | 7  | 33 | 6                  | 10 | 59 | 31 | 3             | 8  | 8  | 49 |
| 1798    | 0                  | 21 | 28 | 7  | 6                  | 11 | 0  | 29 | 3             | 8  | 9  | 13 |
| 1799    | 1                  | 21 | 48 | 41 | 6                  | 11 | 1  | 27 | 3             | 8  | 9  | 37 |
| C. 1800 | 2                  | 22 | 9  | 15 | 6                  | 11 | 2  | 24 | 3             | 8  | 10 | 1  |



TABLE XL.

DES MOYENS MOUVEMENTS DE JUPITER  
pour les Années.

| Années. | LONGITUDE. |    |    |    | APHÉLIE. | NŒUD. |    | Années. | LONGITUDE. |    |    |    | APHÉLIE. | NŒUD. |    |
|---------|------------|----|----|----|----------|-------|----|---------|------------|----|----|----|----------|-------|----|
|         | Sig.       | D. | M. | S. | M. S.    | M.    | S. |         | Sig.       | D. | M. | S. | M. S.    | M.    | S. |
| B. 1    | 1          | 0  | 20 | 34 | 0 57     | 0     | 24 | B. 31   | 7          | 11 | 12 | 31 | 29 40    | 12    | 27 |
| 2       | 2          | 0  | 41 | 8  | 1 55     | 0     | 48 | B. 32   | 8          | 11 | 38 | 5  | 30 37    | 12    | 51 |
| B. 3    | 3          | 1  | 1  | 42 | 2 52     | 1     | 12 | B. 33   | 9          | 11 | 58 | 39 | 31 35    | 13    | 15 |
| 4       | 4          | 1  | 27 | 16 | 3 50     | 1     | 36 | B. 34   | 10         | 12 | 19 | 13 | 32 32    | 13    | 39 |
| B. 5    | 5          | 1  | 47 | 50 | 4 47     | 2     | 0  | B. 35   | 11         | 12 | 39 | 47 | 33 30    | 14    | 3  |
| B. 6    | 6          | 2  | 8  | 24 | 5 44     | 2     | 25 | B. 36   | 0          | 13 | 5  | 21 | 34 27    | 14    | 27 |
| 7       | 7          | 2  | 28 | 58 | 6 42     | 2     | 49 | B. 37   | 1          | 13 | 25 | 55 | 35 25    | 14    | 51 |
| B. 8    | 8          | 2  | 54 | 31 | 7 39     | 3     | 13 | B. 38   | 2          | 13 | 46 | 29 | 36 22    | 15    | 15 |
| 9       | 9          | 3  | 15 | 5  | 8 37     | 3     | 37 | B. 39   | 3          | 14 | 7  | 3  | 37 20    | 15    | 39 |
| B. 10   | 10         | 3  | 35 | 39 | 9 34     | 4     | 1  | B. 40   | 4          | 14 | 32 | 36 | 38 17    | 16    | 3  |
| B. 11   | 11         | 3  | 56 | 13 | 10 32    | 4     | 25 | B. 41   | 5          | 14 | 53 | 10 | 39 15    | 16    | 28 |
| 12      | 0          | 4  | 21 | 47 | 11 29    | 4     | 49 | B. 42   | 6          | 15 | 13 | 44 | 40 13    | 16    | 52 |
| B. 13   | 1          | 4  | 42 | 21 | 12 26    | 5     | 13 | B. 43   | 7          | 15 | 34 | 18 | 41 10    | 17    | 16 |
| 14      | 2          | 5  | 2  | 55 | 13 24    | 5     | 37 | B. 44   | 8          | 15 | 59 | 52 | 42 7     | 17    | 40 |
| B. 15   | 3          | 5  | 23 | 29 | 14 21    | 6     | 1  | B. 45   | 9          | 16 | 20 | 26 | 43 5     | 18    | 4  |
| B. 16   | 4          | 5  | 49 | 3  | 15 19    | 6     | 25 | B. 46   | 10         | 16 | 41 | 0  | 44 2     | 18    | 28 |
| 17      | 5          | 6  | 9  | 37 | 16 16    | 6     | 49 | B. 47   | 11         | 17 | 1  | 34 | 45 0     | 18    | 52 |
| B. 18   | 6          | 6  | 30 | 11 | 17 14    | 7     | 13 | B. 48   | 0          | 17 | 27 | 7  | 45 57    | 19    | 16 |
| 19      | 7          | 6  | 50 | 45 | 18 11    | 7     | 37 | B. 49   | 1          | 17 | 47 | 41 | 46 55    | 19    | 40 |
| B. 20   | 8          | 7  | 16 | 18 | 19 8     | 8     | 1  | B. 50   | 2          | 18 | 8  | 15 | 47 52    | 20    | 4  |
| B. 21   | 9          | 7  | 36 | 52 | 20 6     | 8     | 25 | B. 51   | 3          | 18 | 28 | 49 | 48 50    | 20    | 28 |
| 22      | 10         | 7  | 57 | 26 | 21 3     | 8     | 49 | B. 52   | 4          | 18 | 54 | 23 | 49 47    | 20    | 53 |
| B. 23   | 11         | 8  | 18 | 0  | 22 1     | 9     | 13 | B. 53   | 5          | 19 | 14 | 57 | 50 44    | 21    | 17 |
| 24      | 0          | 8  | 43 | 34 | 22 58    | 9     | 37 | B. 54   | 6          | 19 | 35 | 31 | 51 41    | 21    | 41 |
| B. 25   | 1          | 9  | 4  | 8  | 23 55    | 10    | 1  | B. 55   | 7          | 19 | 56 | 5  | 52 38    | 22    | 5  |
| B. 26   | 2          | 9  | 24 | 42 | 24 53    | 10    | 25 | B. 56   | 8          | 20 | 21 | 38 | 53 35    | 22    | 29 |
| 27      | 3          | 9  | 45 | 16 | 25 50    | 10    | 49 | B. 57   | 9          | 20 | 42 | 12 | 54 33    | 22    | 53 |
| B. 28   | 4          | 10 | 10 | 49 | 26 48    | 11    | 14 | B. 58   | 10         | 21 | 2  | 46 | 55 30    | 23    | 17 |
| 29      | 5          | 10 | 31 | 23 | 27 45    | 11    | 38 | B. 59   | 11         | 21 | 23 | 20 | 56 27    | 23    | 41 |
| B. 30   | 6          | 10 | 51 | 57 | 28 43    | 12    | 3  | B. 60   | 0          | 21 | 48 | 54 | 57 25    | 24    | 5  |

TABLE XL.  
DES MOYENS MOUVEMENTS DE JUPITER  
pour les Années.

|       | LONGITUDE.    | APHÉL.   | NŒUD. |          | LONGITUDE.    | APHÉLIE.      | NŒUD.       |
|-------|---------------|----------|-------|----------|---------------|---------------|-------------|
| Ann.  | Sig. D. M. S. | D. M. S. | M. S. | Années.  | Sig. D. M. S. | Sig. D. M. S. | S. D. M. S. |
| 61    | 1 22 9 29     | 0 58 22  | 24 29 | Biff. 91 | 8 3 12 25     | 0 1 27 05     | 0 0 36 32   |
| 62    | 2 22 30 2     | 0 59 20  | 24 53 | 92       | 9 3 26 59     | 0 1 28 03     | 0 0 36 56   |
| 63    | 3 22 50 38    | 1 0 17   | 25 17 | 93       | 10 3 47 33    | 0 1 29 10     | 0 0 37 20   |
| B. 64 | 4 23 16 10    | 1 1 15   | 25 42 | 94       | 11 4 8 7      | 0 1 29 57     | 0 0 37 44   |
| 65    | 5 23 36 44    | 1 2 12   | 26 6  | 95       | 0 4 28 41     | 0 1 30 55     | 0 0 38 8    |
| 66    | 6 23 57 18    | 1 3 9    | 26 30 | Biff. 96 | 1 4 54 14     | 0 1 31 52     | 0 0 38 32   |
| 67    | 7 24 17 52    | 1 4 7    | 26 54 | 97       | 2 5 14 48     | 0 1 32 50     | 0 0 38 56   |
| B. 68 | 8 24 43 25    | 1 5 4    | 27 18 | 98       | 3 5 35 22     | 0 1 33 47     | 0 0 39 21   |
| 69    | 9 25 3 59     | 1 6 1    | 27 42 | 99       | 4 5 55 56     | 0 1 34 45     | 0 0 39 45   |
| 70    | 10 25 24 33   | 1 6 58   | 28 6  | B. 100   | 5 6 21 30     | 0 1 35 42     | 0 0 40 9    |
| 71    | 11 25 45 7    | 1 7 56   | 28 30 | C. 100   | 5 6 16 31     | 0 1 35 42     | 0 0 40 9    |
| B. 72 | 0 26 10 41    | 1 8 53   | 28 54 | C. 200   | 10 12 33 2    | 0 3 11 24     | 0 1 20 17   |
| 73    | 1 26 31 15    | 1 9 51   | 29 18 | C. 300   | 3 18 49 33    | 0 4 47 6      | 0 2 0 26    |
| 74    | 2 26 51 49    | 1 10 48  | 29 42 | B. 400   | 8 25 11 3     | 0 6 22 48     | 0 2 40 34   |
| 75    | 3 27 12 23    | 1 11 46  | 30 6  | C. 500   | 2 1 27 34     | 0 7 58 30     | 0 3 20 43   |
| B. 76 | 4 27 37 56    | 1 12 43  | 30 30 | C. 600   | 7 7 44 5      | 0 9 34 12     | 0 4 0 52    |
| 77    | 5 27 58 30    | 1 13 41  | 30 55 | C. 700   | 0 14 0 36     | 0 11 9 54     | 0 4 41 1    |
| 78    | 6 28 19 4     | 1 14 39  | 31 19 | B. 800   | 5 20 22 6     | 0 12 45 36    | 0 5 21 10   |
| 79    | 7 28 39 38    | 1 15 36  | 31 43 | C. 900   | 10 26 38 37   | 0 14 21 18    | 0 6 1 18    |
| B. 80 | 8 29 5 12     | 1 16 34  | 32 7  | C. 1000  | 4 2 55 6      | 0 15 56 59    | 0 6 41 27   |
| 81    | 9 29 25 46    | 1 17 31  | 32 31 | B. 2000  | 8 5 55 11     | 1 1 53 57     | 0 13 22 54  |
| 82    | 10 29 46 20   | 1 18 28  | 32 55 | C. 3000  | 0 8 50 17     | 1 17 50 56    | 0 20 4 21   |
| 83    | 0 0 6 54      | 1 19 26  | 33 19 | B. 4000  | 4 11 50 22    | 2 3 47 55     | 0 26 45 48  |
| B. 84 | 1 0 32 27     | 1 20 23  | 33 43 | C. 5000  | 8 14 45 28    | 2 19 44 54    | 1 3 27 15   |
| 85    | 2 0 53 2      | 1 21 21  | 34 7  | B. 6000  | 0 17 45 33    | 3 5 41 53     | 1 10 8 42   |
| 86    | 3 1 13 36     | 1 22 18  | 34 31 | C. 7000  | 4 20 40 39    | 3 21 38 52    | 1 16 50 9   |
| 87    | 4 1 34 10     | 1 23 15  | 34 55 | B. 8000  | 8 23 40 44    | 4 7 35 50     | 1 23 31 36  |
| B. 88 | 5 1 59 43     | 1 24 13  | 35 19 | C. 9000  | 0 26 35 50    | 4 23 32 49    | 2 0 13 3    |
| 89    | 6 2 20 17     | 1 25 10  | 35 44 | B. 10000 | 4 29 35 55    | 5 9 29 47     | 2 6 54 30   |
| 90    | 7 2 40 51     | 1 26 8   | 36 8  | B. 20000 | 9 29 11 50    | 10 18 59 35   | 4 13 49 0   |

TABLE XLI.  
DES MOYENS MOUVEMENTS DE JUPITER  
pour les Jours de l'Année.

| JANVIER.  |         |            |    |    |          | FEVRIER. |           |         |            |    |    | MARS.    |       |           |         |            |    |    |          |       |
|-----------|---------|------------|----|----|----------|----------|-----------|---------|------------|----|----|----------|-------|-----------|---------|------------|----|----|----------|-------|
| Biflexie. | Commune | Longitude. |    |    | Aphélie. | Nœud.    | Biflexie. | Commune | Longitude. |    |    | Aphélie. | Nœud. | Biflexie. | Commune | Longitude. |    |    | Aphélie. | Nœud. |
|           |         | J.         | D. | M. |          |          |           |         | S.         | J. | D. |          |       |           |         | M.         | S. | J. |          |       |
|           | Jours.  | J.         | D. | M. | S.       | S.       | J.        | J.      | D.         | M. | S. | S.       | S.    | Jours.    | D.      | M.         | S. | S. | S.       |       |
|           | 1       |            | 0  | 0  | 0        |          | 1         |         | 2          | 34 | 37 | 5        | 2     |           |         |            |    |    |          |       |
|           | 2       | 1          | 0  | 4  | 52       |          | 2         | 1       | 2          | 39 | 37 |          |       | 1         | 4       | 59         | 16 | 10 | 4        |       |
|           | 3       | 2          | 0  | 9  | 58       |          | 3         | 2       | 2          | 44 | 36 |          |       | 2         | 5       | 4          | 16 |    |          |       |
|           | 4       | 3          | 0  | 14 | 58       |          | 4         | 3       | 2          | 49 | 35 |          |       | 3         | 5       | 9          | 15 |    |          |       |
|           | 5       | 4          | 0  | 19 | 57       |          | 5         | 4       | 2          | 54 | 34 |          |       | 4         | 5       | 14         | 14 |    |          |       |
|           | 6       | 5          | 0  | 24 | 56       | 0        | 6         | 5       | 2          | 59 | 34 | 5        | 2     | 5         | 5       | 19         | 13 | 10 | 4        |       |
|           | 7       | 6          | 0  | 29 | 55       |          | 7         | 6       | 3          | 4  | 33 |          |       | 6         | 5       | 24         | 13 |    |          |       |
|           | 8       | 7          | 0  | 34 | 55       |          | 8         | 7       | 3          | 9  | 32 |          |       | 7         | 5       | 29         | 12 |    |          |       |
|           | 9       | 8          | 0  | 39 | 54       |          | 9         | 8       | 3          | 14 | 32 |          |       | 8         | 5       | 34         | 12 |    |          |       |
|           | 10      | 9          | 0  | 44 | 53       |          | 10        | 9       | 3          | 19 | 31 |          |       | 9         | 5       | 39         | 11 |    |          |       |
|           | 11      | 10         | 0  | 49 | 52       | 1        | 11        | 10      | 3          | 24 | 30 | 6        | 3     | 10        | 5       | 44         | 10 | 11 | 5        |       |
|           | 12      | 11         | 0  | 54 | 52       |          | 12        | 11      | 3          | 29 | 29 |          |       | 11        | 5       | 49         | 9  |    |          |       |
|           | 13      | 12         | 0  | 59 | 51       |          | 13        | 12      | 3          | 34 | 28 |          |       | 12        | 5       | 54         | 9  |    |          |       |
|           | 14      | 13         | 1  | 4  | 50       |          | 14        | 13      | 3          | 39 | 27 |          |       | 13        | 5       | 59         | 8  |    |          |       |
|           | 15      | 14         | 1  | 9  | 49       |          | 15        | 14      | 3          | 44 | 26 |          |       | 14        | 6       | 4          | 7  |    |          |       |
|           | 16      | 15         | 1  | 14 | 49       | 2        | 16        | 15      | 3          | 49 | 26 | 7        | 3     | 15        | 6       | 9          | 6  | 12 | 5        |       |
|           | 17      | 16         | 1  | 19 | 48       |          | 17        | 16      | 3          | 54 | 25 |          |       | 16        | 6       | 14         | 6  |    |          |       |
|           | 18      | 17         | 1  | 24 | 47       |          | 18        | 17      | 3          | 59 | 24 |          |       | 17        | 6       | 19         | 5  |    |          |       |
|           | 19      | 18         | 1  | 29 | 46       |          | 19        | 18      | 4          | 4  | 23 |          |       | 18        | 6       | 24         | 4  |    |          |       |
|           | 20      | 19         | 1  | 34 | 46       |          | 20        | 19      | 4          | 9  | 23 |          |       | 19        | 6       | 29         | 3  |    |          |       |
|           | 21      | 20         | 1  | 39 | 45       | 3        | 21        | 20      | 4          | 14 | 22 | 8        | 3     | 20        | 6       | 34         | 3  | 12 | 5        |       |
|           | 22      | 21         | 1  | 44 | 44       |          | 22        | 21      | 4          | 19 | 21 |          |       | 21        | 6       | 39         | 2  |    |          |       |
|           | 23      | 22         | 1  | 49 | 43       |          | 23        | 22      | 4          | 24 | 21 |          |       | 22        | 6       | 44         | 1  |    |          |       |
|           | 24      | 23         | 1  | 54 | 43       |          | 24        | 23      | 4          | 29 | 21 |          |       | 23        | 6       | 49         | 1  |    |          |       |
|           | 25      | 24         | 1  | 59 | 42       |          | 25        | 24      | 4          | 34 | 19 |          |       | 24        | 6       | 54         | 0  |    |          |       |
|           | 26      | 25         | 2  | 4  | 41       | 4        | 26        | 25      | 4          | 39 | 18 | 9        | 4     | 25        | 6       | 58         | 59 | 13 | 6        |       |
|           | 27      | 26         | 2  | 9  | 40       |          | 27        | 26      | 4          | 44 | 18 |          |       | 26        | 7       | 3          | 58 |    |          |       |
|           | 28      | 27         | 2  | 14 | 40       |          | 28        | 27      | 4          | 49 | 18 |          |       | 27        | 7       | 8          | 58 |    |          |       |
|           | 29      | 28         | 2  | 19 | 39       |          | 29        | 28      | 4          | 54 | 17 | 9        | 4     | 28        | 7       | 13         | 58 |    |          |       |
|           | 30      | 29         | 2  | 24 | 38       |          |           |         |            |    |    |          |       | 29        | 7       | 18         | 56 |    |          |       |
|           | 31      | 30         | 2  | 29 | 38       |          |           |         |            |    |    |          |       | 30        | 7       | 23         | 55 |    |          |       |
|           | 31      | 31         | 2  | 34 | 37       | 5        | 2         |         |            |    |    |          |       | 31        | 7       | 28         | 54 | 14 | 6        |       |

## TABLE XLI.

DES MOYENS MOUVEMENTS DE JUPITER  
pour les Jours de l'Année.

| A V R I L. |            |    |    |          | M A I. |        |            |    |    | J U I N. |       |        |            |    |    |          |       |
|------------|------------|----|----|----------|--------|--------|------------|----|----|----------|-------|--------|------------|----|----|----------|-------|
| Jours.     | Longitude. |    |    | Aphélie. | Nœud.  | Jours. | Longitude. |    |    | Aphélie. | Nœud. | Jours. | Longitude. |    |    | Aphélie. | Nœud. |
|            | D.         | M. | S. | Sec.     | Sec.   |        | D.         | M. | S. | Sec.     | Sec.  |        | D.         | M. | S. | Sec.     | Sec.  |
| 1          | 7          | 33 | 54 | 14       | 6      | 1      | 10         | 3  | 32 | 19       | 8     | 1      | 12         | 38 | 9  | 24       | 10    |
| 2          | 7          | 38 | 53 |          |        | 2      | 10         | 8  | 31 |          |       | 2      | 12         | 43 | 9  |          |       |
| 3          | 7          | 43 | 52 |          |        | 3      | 10         | 13 | 30 |          |       | 3      | 12         | 48 | 8  |          |       |
| 4          | 7          | 48 | 52 |          |        | 4      | 10         | 18 | 30 |          |       | 4      | 12         | 53 | 7  |          |       |
| 5          | 7          | 53 | 51 | 15       | 6      | 5      | 10         | 23 | 29 | 19       | 8     | 5      | 12         | 58 | 6  | 25       | 10    |
| 6          | 7          | 58 | 50 |          |        | 6      | 10         | 28 | 28 |          |       | 6      | 13         | 3  | 6  |          |       |
| 7          | 8          | 3  | 49 |          |        | 7      | 10         | 33 | 28 |          |       | 7      | 13         | 8  | 5  |          |       |
| 8          | 8          | 8  | 49 |          |        | 8      | 10         | 38 | 27 |          |       | 8      | 13         | 13 | 4  |          |       |
| 9          | 8          | 13 | 48 |          |        | 9      | 10         | 43 | 26 |          |       | 9      | 13         | 18 | 4  |          |       |
| 10         | 8          | 18 | 47 | 16       | 7      | 10     | 10         | 48 | 25 | 20       | 8     | 10     | 13         | 23 | 3  | 25       | 11    |
| 11         | 8          | 23 | 46 |          |        | 11     | 10         | 53 | 25 |          |       | 11     | 13         | 28 | 2  |          |       |
| 12         | 8          | 28 | 46 |          |        | 12     | 10         | 58 | 24 |          |       | 12     | 13         | 33 | 1  |          |       |
| 13         | 8          | 33 | 45 |          |        | 13     | 11         | 3  | 23 |          |       | 13     | 13         | 38 | 1  |          |       |
| 14         | 8          | 38 | 44 |          |        | 14     | 11         | 8  | 22 |          |       | 14     | 13         | 43 | 0  |          |       |
| 15         | 8          | 43 | 44 | 17       | 7      | 15     | 11         | 13 | 22 | 21       | 9     | 15     | 13         | 47 | 59 | 26       | 11    |
| 16         | 8          | 48 | 43 |          |        | 16     | 11         | 18 | 21 |          |       | 16     | 13         | 52 | 58 |          |       |
| 17         | 8          | 53 | 42 |          |        | 17     | 11         | 23 | 20 |          |       | 17     | 13         | 57 | 58 |          |       |
| 18         | 8          | 58 | 41 |          |        | 18     | 11         | 28 | 19 |          |       | 18     | 14         | 2  | 57 |          |       |
| 19         | 9          | 3  | 41 |          |        | 19     | 11         | 33 | 19 |          |       | 19     | 14         | 7  | 56 |          |       |
| 20         | 9          | 8  | 40 | 17       | 7      | 20     | 11         | 38 | 18 | 22       | 9     | 20     | 14         | 12 | 55 | 27       | 11    |
| 21         | 9          | 13 | 39 |          |        | 21     | 11         | 43 | 17 |          |       | 21     | 14         | 17 | 55 |          |       |
| 22         | 9          | 18 | 38 |          |        | 22     | 11         | 48 | 17 |          |       | 22     | 14         | 22 | 54 |          |       |
| 23         | 9          | 23 | 38 |          |        | 23     | 11         | 53 | 16 |          |       | 23     | 14         | 27 | 53 |          |       |
| 24         | 9          | 28 | 37 |          |        | 24     | 11         | 58 | 15 |          |       | 24     | 14         | 32 | 53 |          |       |
| 25         | 9          | 33 | 36 | 18       | 8      | 25     | 12         | 3  | 14 | 23       | 10    | 25     | 14         | 37 | 52 | 28       | 12    |
| 26         | 9          | 38 | 35 |          |        | 26     | 12         | 8  | 14 |          |       | 26     | 14         | 42 | 51 |          |       |
| 27         | 9          | 43 | 35 |          |        | 27     | 12         | 13 | 13 |          |       | 27     | 14         | 47 | 50 |          |       |
| 28         | 9          | 48 | 34 |          |        | 28     | 12         | 18 | 12 |          |       | 28     | 14         | 52 | 50 |          |       |
| 29         | 9          | 53 | 33 |          |        | 29     | 12         | 23 | 12 |          |       | 29     | 14         | 57 | 49 |          |       |
| 30         | 9          | 58 | 33 | 19       | 8      | 30     | 12         | 28 | 11 |          |       | 30     | 15         | 2  | 48 | 29       | 12    |
|            |            |    |    |          |        | 31     | 12         | 33 | 10 | 24       | 10    |        |            |    |    |          |       |