

SWISS EPHEMERIS for the year 1676

JANUARY 1676GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|---------|-----------------------|--------------------|---------------------|---------------------|---------------------|------------------|------------------|---------------------|---------------------|--------------------|--------------------|--------------------|-------------------|------------------|-------------------|---|
| W 1 | 6 41 45 | 10 ³³ 2'41 | 8 ⁵³ 53 | 17 ⁵¹ 51 | 20 ²³ 23 | 20 ¹⁹ 19 | 3 ⁸ 8 | 5 ⁵ 5 | 26 ²⁵ 25 | 10 ³⁷ 37 | 7 ³⁸ 38 | 1 ⁵⁶ 56 | 1 ³² 32 | 10 ⁸ 8 | 2 ⁸ 8 | 28 ⁵ 5 | |
| T 2 | 6 45 42 | 11 ³³ '50 | 21 ³⁵ | 18 ⁵⁹ | 21 ³⁸ | 21 ³ | 3 ²² | 5 ⁵ 5 | 26 ²⁷ | 10 ³⁹ | 7 ³⁷ | 1 ⁵⁵ | 1 ²⁹ | 10 ⁹ | 2 ⁸ | 28 ⁷ | |
| F 3 | 6 49 38 | 12 ³⁴ '58 | 4 ³⁰ | 20 ⁹ | 22 ⁵³ | 21 ⁴⁷ | 3 ³⁶ | 5 ⁴ | 26 ²⁸ | 10 ⁴¹ | 7 ³⁶ | 1 ⁵⁴ | 1 ²⁶ | 10 ¹⁶ | 2 ⁸ | 28 ⁸ | |
| S 4 | 6 53 35 | 13 ³⁶ '07 | 17 ³⁹ | 21 ²¹ | 24 ⁹ | 22 ³¹ | 3 ⁴⁹ | 5 ⁴ | 26 ³⁰ | 10 ⁴³ | 7 ³⁴ | 1 ⁵³ | 1 ²³ | 10 ²² | 2 ⁸ | 28 ⁹ | |
| S 5 | 6 57 31 | 14 ³⁷ '16 | 1 ¹¹ | 22 ³⁵ | 25 ²⁴ | 23 ¹⁶ | 4 ³ | 5 ⁴ | 26 ³¹ | 10 ⁴⁵ | 7 ³³ | 1 ⁵¹ | 1 ²⁰ | 10 ²⁹ | 2 ⁸ | 28 ¹¹ | |
| M 6 | 7 1 28 | 15 ³⁸ '24 | 14 ³⁵ | 23 ⁵¹ | 26 ³⁹ | 24 ⁰ | 4 ¹⁷ | 5 ^D 3 | 26 ³³ | 10 ⁴⁷ | 7 ³² | 1 ⁴⁹ | 1 ¹⁷ | 10 ³⁶ | 2 ⁸ | 28 ¹² | |
| T 7 | 7 5 25 | 16 ³⁹ '33 | 28 ²² | 25 ⁸ | 27 ⁵⁵ | 24 ⁴⁴ | 4 ³¹ | 5 ³ | 26 ³⁴ | 10 ⁴⁹ | 7 ³¹ | 1 ⁴⁸ | 1 ¹³ | 10 ⁴² | 2 ⁸ | 28 ¹⁴ | |
| W 8 | 7 9 21 | 17 ⁴⁰ '41 | 12 ¹⁹ | 26 ²⁷ | 29 ¹⁰ | 25 ²⁹ | 4 ⁴⁴ | 5 ⁴ | 26 ³⁶ | 10 ⁵¹ | 7 ²⁹ | 1 ^D 47 | 1 ¹⁰ | 10 ⁴⁹ | 2 ⁸ | 28 ¹⁶ | |
| T 9 | 7 13 18 | 18 ⁴¹ '50 | 26 ²⁵ | 27 ⁴⁷ | 0 ²⁵ | 26 ¹³ | 4 ⁵⁸ | 5 ⁴ | 26 ³⁸ | 10 ⁵⁴ | 7 ²⁸ | 1 ⁴⁷ | 1 ⁷ | 10 ⁵⁶ | 2 ⁸ | 28 ¹⁷ | |
| F 10 | 7 17 14 | 19 ⁴² '58 | 10 ⁴⁰ | 29 ⁸ | 1 ⁴⁰ | 26 ⁵⁷ | 5 ¹² | 5 ⁴ | 26 ³⁹ | 10 ⁵⁶ | 7 ²⁷ | 1 ⁴⁸ | 1 ⁴ | 11 ² | 2 ⁸ | 28 ¹⁹ | |
| S 11 | 7 21 11 | 20 ⁴⁴ '06 | 25 ⁰ | 0 ³⁰ | 2 ⁵⁶ | 27 ⁴² | 5 ²⁵ | 5 ⁵ | 26 ⁴¹ | 10 ⁵⁸ | 7 ²⁶ | 1 ⁴⁹ | 1 ¹ | 11 ⁹ | 2 ⁸ | 28 ²¹ | |
| S 12 | 7 25 7 | 21 ⁴⁵ '14 | 9 ²² | 1 ⁵³ | 4 ¹¹ | 28 ²⁷ | 5 ³⁹ | 5 ⁵ | 26 ⁴³ | 11 ⁰ | 7 ²⁵ | 1 ⁵¹ | 0 ⁵⁷ | 11 ¹⁶ | 2 ⁸ | 28 ²³ | |
| M 13 | 7 29 4 | 22 ⁴⁶ '22 | 23 ⁴⁴ | 3 ¹⁷ | 5 ²⁶ | 29 ¹¹ | 5 ⁵³ | 5 ⁶ | 26 ⁴⁵ | 11 ² | 7 ²³ | 1 ⁵² | 0 ⁵⁴ | 11 ²³ | 2 ⁸ | 28 ²⁵ | |
| T 14 | 7 33 0 | 23 ⁴⁷ '29 | 8 ⁰ | 4 ⁴² | 6 ⁴¹ | 29 ⁵⁶ | 6 ⁶ | 5 ⁷ | 26 ⁴⁷ | 11 ⁴ | 7 ²² | 1 ^R 52 | 0 ⁵¹ | 11 ²⁹ | 2 ⁸ | 28 ²⁷ | |
| W 15 | 7 36 57 | 24 ⁴⁸ '36 | 22 ⁶ | 6 ⁸ | 7 ⁵⁷ | 0 ³⁰ | 6 ²⁰ | 5 ⁸ | 26 ⁴⁹ | 11 ⁷ | 7 ²¹ | 1 ⁵¹ | 0 ⁴⁸ | 11 ³⁶ | 2 ⁸ | 28 ²⁹ | |
| T 16 | 7 40 54 | 25 ⁴⁹ '42 | 5 ⁵⁷ | 7 ³⁴ | 9 ¹² | 1 ²⁵ | 6 ³³ | 5 ⁹ | 26 ⁵¹ | 11 ⁹ | 7 ²⁰ | 1 ⁴⁸ | 0 ⁴⁵ | 11 ⁴³ | 2 ⁸ | 28 ³¹ | |
| F 17 | 7 44 50 | 26 ⁵⁰ '47 | 19 ³⁰ | 9 ² | 10 ²⁷ | 2 ¹⁰ | 6 ⁴⁷ | 5 ¹⁰ | 26 ⁵³ | 11 ¹¹ | 7 ¹⁹ | 1 ⁴⁵ | 0 ⁴² | 11 ⁴⁹ | 2 ⁸ | 28 ³³ | |
| S 18 | 7 48 47 | 27 ⁵¹ '52 | 2 ⁴² | 10 ³⁰ | 11 ⁴² | 2 ⁵⁵ | 7 ⁰ | 5 ¹¹ | 26 ⁵⁵ | 11 ¹³ | 7 ¹⁷ | 1 ⁴⁰ | 0 ³⁸ | 11 ⁵⁶ | 2 ⁸ | 28 ³⁵ | |
| S 19 | 7 52 43 | 28 ⁵² '55 | 15 ³⁵ | 11 ⁵⁹ | 12 ⁵⁸ | 3 ³⁹ | 7 ¹³ | 5 ¹² | 26 ⁵⁷ | 11 ¹⁶ | 7 ¹⁶ | 1 ³⁶ | 0 ³⁵ | 12 ³ | 2 ⁸ | 28 ³⁷ | |
| M 20 | 7 56 40 | 29 ⁵³ '58 | 28 ⁷ | 13 ²⁸ | 14 ¹³ | 4 ²⁴ | 7 ²⁷ | 5 ¹⁴ | 26 ⁵⁹ | 11 ¹⁸ | 7 ¹⁵ | 1 ³² | 0 ³² | 12 ⁹ | 2 ⁸ | 28 ³⁹ | |
| T 21 | 8 0 36 | 0 ⁵⁴ '59 | 10 ¹⁷ | 14 ⁵⁸ | 15 ²⁸ | 5 ⁹ | 7 ⁴⁰ | 5 ¹⁵ | 27 ¹ | 11 ²⁰ | 7 ¹⁴ | 1 ²⁹ | 0 ²⁹ | 12 ¹⁶ | 2 ⁸ | 28 ⁴¹ | |
| W 22 | 8 4 33 | 1 ⁵⁵ '59 | 22 ²⁶ | 16 ²⁹ | 16 ⁴³ | 5 ⁵⁴ | 7 ⁵³ | 5 ¹⁷ | 27 ⁴ | 11 ²² | 7 ¹³ | 1 ²⁷ | 0 ²⁶ | 12 ²³ | 2 ⁸ | 28 ⁴⁴ | |
| T 23 | 8 8 29 | 2 ⁵⁶ '58 | 4 ²⁰ | 18 ¹ | 17 ⁵⁸ | 6 ³⁹ | 8 ⁷ | 5 ¹⁹ | 27 ⁶ | 11 ²⁵ | 7 ¹² | 1 ^D 26 | 0 ²³ | 12 ²⁹ | 2 ⁸ | 28 ⁴⁶ | |
| F 24 | 8 12 26 | 3 ⁵⁷ '56 | 16 ¹⁰ | 19 ³³ | 19 ¹³ | 7 ²⁴ | 8 ²⁰ | 5 ²¹ | 27 ⁸ | 11 ²⁷ | 7 ¹¹ | 1 ²⁷ | 0 ¹⁹ | 12 ³⁶ | 2 ⁸ | 28 ⁴⁸ | |
| S 25 | 8 16 23 | 4 ⁵⁸ '53 | 28 ² | 21 ⁶ | 20 ²⁸ | 8 ⁹ | 8 ³³ | 5 ²³ | 27 ¹¹ | 11 ²⁹ | 7 ¹⁰ | 1 ²⁹ | 0 ¹⁶ | 12 ⁴³ | 2 ⁸ | 28 ⁵¹ | |
| S 26 | 8 20 19 | 5 ⁵⁹ '49 | 10 ¹¹ | 22 ³⁹ | 21 ⁴³ | 8 ⁵⁴ | 8 ⁴⁶ | 5 ²⁵ | 27 ¹³ | 11 ³¹ | 7 ⁹ | 1 ³¹ | 0 ¹³ | 12 ⁵⁰ | 2 ⁸ | 28 ⁵³ | |
| M 27 | 8 24 16 | 7 ⁰ '43 | 2 ⁸ | 24 ¹⁴ | 22 ⁵⁸ | 9 ³⁹ | 8 ⁵⁹ | 5 ²⁷ | 27 ¹⁶ | 11 ³⁴ | 7 ⁷ | 1 ³² | 0 ¹⁰ | 12 ⁵⁶ | 2 ⁸ | 28 ⁵⁶ | |
| T 28 | 8 28 12 | 8 ⁰ '136 | 4 ³¹ | 25 ⁴⁸ | 24 ¹³ | 10 ²⁴ | 9 ¹² | 5 ³⁰ | 27 ¹⁸ | 11 ³⁶ | 7 ⁶ | 1 ^R 32 | 0 ⁷ | 13 ³ | 2 ⁸ | 28 ⁵⁸ | |
| W 29 | 8 32 9 | 9 ² '28 | 17 ¹² | 27 ²⁴ | 25 ²⁸ | 11 ¹⁰ | 9 ²⁵ | 5 ³² | 27 ²¹ | 11 ³⁸ | 7 ⁵ | 1 ³¹ | 0 ³ | 13 ¹⁰ | 2 ⁹ | 29 ¹ | |
| T 30 | 8 36 5 | 10 ³ '19 | 0 ¹¹ | 29 ⁰ | 26 ⁴³ | 11 ⁵⁵ | 9 ³⁸ | 5 ³⁵ | 27 ²³ | 11 ⁴⁰ | 7 ⁴ | 1 ²⁸ | 0 ⁰ | 13 ¹⁶ | 2 ⁹ | 29 ⁴ | |
| F 31 | 8 40 2 | 11 ³ '408 | 13 ³⁰ | 0 ³⁸ | 27 ⁵⁸ | 12 ³⁰ | 9 ⁵¹ | 5 ³⁷ | 27 ²⁶ | 11 ⁴³ | 7 ³ | 1 ^R 23 | 29 ⁵⁷ | 13 ²³ | 29 ⁶ | 29 ⁶ | |

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|------|---------|-----------------------|------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|---|
| S 1 | 8 43 58 | 12 ³ '4'56 | 27 ⁵ | 2 ¹⁵ | 29 ¹³ | 13 ²⁵ | 10 ³ | 5 ⁴⁰ | 27 ²⁸ | 11 ⁴⁵ | 7 ^R 2 | 1 ^R 17 | 29 ⁵⁴ | 13 ³⁰ | 29 ⁹ | 29 ⁹ | |
| S 2 | 8 47 55 | 13 ⁵ '43 | 10 ¹¹ | 3 ⁵⁴ | 0 ²⁸ | 14 ¹¹ | 10 ¹⁷ | 5 ⁴³ | 27 ³¹ | 11 ⁴⁷ | 7 ¹ | 1 ³ | 29 ⁵¹ | 13 ³⁶ | 29 ¹² | 29 ¹² | |
| M 3 | 8 51 52 | 14 ⁶ '29 | 24 ⁵⁷ | 5 ³³ | 1 ⁴³ | 14 ⁵⁶ | 10 ²⁹ | 5 ⁴⁶ | 27 ³⁴ | 11 ⁵⁰ | 7 ⁰ | 1 ² | 29 ⁴⁸ | 13 ⁴³ | 29 ¹⁵ | 29 ¹⁵ | |
| T 4 | 8 55 48 | 15 ⁷ '13 | 9 ⁵ | 7 ¹³ | 2 ⁵⁸ | 15 ⁴¹ | 10 ⁴² | 5 ⁴⁹ | 27 ³⁶ | 11 ⁵² | 6 ⁵⁹ | 0 ⁵⁷ | 29 ⁴⁴ | 13 ⁵⁰ | 29 ¹⁷ | 29 ¹⁷ | |
| W 5 | 8 59 45 | 16 ⁷ '57 | 23 ¹⁵ | 8 ⁵⁴ | 4 ¹³ | 16 ²⁷ | 10 ⁵⁵ | 5 ⁵² | 27 ³⁹ | 11 ⁵⁴ | 6 ⁵⁸ | 0 ⁵² | 29 ⁴¹ | 13 ⁵⁶ | 29 ²⁰ | 29 ²⁰ | |
| T 6 | 9 3 41 | 17 ⁸ '40 | 7 ¹¹ | 10 ³⁶ | 5 ²⁸ | 17 ¹² | 11 ⁷ | 5 ⁵⁵ | 27 ⁴² | 11 ⁵⁶ | 6 ⁵⁸ | 0 ⁵⁰ | 29 ³⁸ | 14 ³ | 29 ²³ | 29 ²³ | |
| F 7 | 9 7 38 | 18 ⁹ '21 | 21 ²⁶ | 12 ¹⁹ | 6 ⁴² | 17 ⁵⁸ | 11 ²⁰ | 5 ⁵⁹ | 27 ⁴⁵ | 11 ⁵⁹ | 6 ⁵⁷ | 0 ^D 50 | 29 ³⁵ | 14 ¹⁰ | 29 ²⁶ | 29 ²⁶ | |
| S 8 | 9 11 34 | 19 ¹⁰ '02 | 5 ⁴⁰ | 14 ² | 7 ⁵⁷ | 18 ⁴³ | 11 ³² | 6 ² | 27 ⁴⁷ | 12 ¹ | 6 ⁵⁶ | 0 ⁵⁰ | 29 ³² | 14 ¹⁶ | 29 ²⁹ | 29 ²⁹ | |
| S 9 | 9 15 31 | 20 ¹⁰ '42 | 19 ⁴⁰ | 15 ⁴⁶ | 9 ¹² | 19 ²⁹ | 11 ⁴⁴ | 6 ⁶ | 27 ⁵⁰ | 12 ³ | 6 ⁵⁵ | 0 ⁵² | 29 ²⁹ | 14 ²³ | 29 ³² | 29 ³² | |
| M 10 | 9 19 27 | 21 ¹¹ '20 | 3 ³⁴ | 17 ³² | 10 ²⁷ | 20 ¹⁴ | 11 ⁵⁷ | 6 ⁹ | 27 ⁵³ | 12 ⁵ | 6 ⁵⁴ | 0 ^R 52 | 29 ²⁵ | 14 ³⁰ | 29 ³⁵ | 29 ³⁵ | |
| T 11 | 9 23 24 | 22 ¹¹ '57 | 17 ²² | 19 ¹⁸ | 11 ⁴¹ | 21 ⁰ | 12 ⁹ | 6 ¹³ | 27 ⁵⁶ | 12 ⁸ | 6 ⁵³ | 0 ⁵¹ | 29 ²² | 14 ³⁷ | 29 ³⁸ | 29 ³⁸ | |
| W 12 | 9 27 21 | 23 ¹² '33 | 1 ¹ | 21 ⁴ | 12 ⁵⁶ | 21 ⁴⁵ | 12 ²¹ | 6 ¹⁷ | 27 ⁵⁹ | 12 ¹⁰ | 6 ⁵² | 0 ⁴⁷ | 29 ¹⁹ | 14 ⁴³ | 29 ⁴¹ | 29 ⁴¹ | |
| T 13 | 9 31 17 | 24 ¹³ '07 | 14 ²⁹ | 22 ⁵² | 14 ¹¹ | 22 ³¹ | 12 ³³ | 6 ²¹ | 28 ² | 12 ¹² | 6 ⁵² | 0 ⁴¹ | 29 ¹⁶ | 14 ⁵⁰ | 29 ⁴⁴ | 29 ⁴⁴ | |
| F 14 | 9 35 14 | 25 ¹³ '40 | 27 ⁴⁴ | 24 ⁴¹ | 15 ²⁵ | 23 ¹⁷ | 12 ⁴⁵ | 6 ²⁵ | 28 ⁵ | 12 ¹⁴ | 6 ⁵¹ | 0 ³² | 29 ¹³ | 14 ⁵⁷ | 29 ⁴⁷ | 29 ⁴⁷ | |
| S 15 | 9 39 10 | 26 ¹⁴ '11 | 10 ⁴⁴ | 26 ³⁰ | 16 ⁴⁰ | 24 ² | 12 ⁵⁷ | 6 ²⁹ | 28 ⁸ | 12 ¹⁷ | 6 ⁵⁰ | 0 ²² | 29 ⁹ | 15 ³ | 29 ⁵¹ | 29 ⁵¹ | |
| S 16 | 9 43 7 | 27 ¹⁴ '40 | 23 ²⁹ | 28 ²¹ | 17 ⁵⁴ | 24 ⁴⁸ | 13 ⁹ | 6 ³³ | 28 ¹¹ | 12 ¹⁹ | 6 ⁴⁹ | 0 ¹¹ | 29 ⁶ | 15 ¹⁰ | 29 ⁵⁴ | 29 ⁵⁴ | |
| M 17 | 9 47 3 | 28 ¹⁵ '08 | 5 ¹¹ | 0 ¹² | 19 ⁹ | 25 ³⁴ | 13 ²¹ | 6 ³⁸ | 28 ¹⁴ | 12 ²¹ | 6 ⁴⁹ | 0 ¹ | 29 ³ | 15 ¹⁷ | 29 ⁵⁷ | 29 ⁵⁷ | |
| T 18 | 9 51 0 | 29 ¹⁵ '34 | 18 ¹² | 2 ³ | 20 ²³ | 26 ²⁰ | 13 ³² | 6 ⁴² | 28 ¹⁷ | 12 ²³ | 6 ⁴⁸ | 29 ⁵² | 29 ⁰ | 15 ²³ | 0 ¹¹ | 0 ¹¹ | |
| W 19 | 9 54 56 | 0 ¹¹ '58 | 0 ¹⁴ | 3 ⁵⁶ | 21 ³⁸ | 27 ⁵ | 13 ⁴⁴ | 6 ⁴⁶ | 28 ²⁰ | 12 ²⁶ | 6 ⁴⁷ | 29 ⁴⁵ | 28 ⁵⁷ | 15 ³⁰ | 0 ³ | 0 ³ | |
| T 20 | 9 58 53 | 1 ¹⁶ '20 | 12 ⁸ | 5 ⁴⁹ | 22 ⁵² | 27 ⁵¹ | 13 ⁵⁵ | 6 ⁵¹ | 28 ²⁴ | 12 ²⁸ | 6 ⁴⁷ | 29 ⁴¹ | 28 ⁵⁴ | 15 ³⁷ | 0 ⁷ | 0 ⁷ | |

SWISS EPHEMERIS for the year 1676

MARCH 1676GC

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| S 1 | 10 38 19 | 11 18 18'10 | 20 19 2 | 24 18 40 | 5 15 15 | 5 31 31 | 15 36 46 | 7 41 41 | 28 56 56 | 12 49 49 | 6 R41 41 | 29 R 1 1 | 28 22 22 | 16 43 43 | 0 41 41 | |
| M 2 | 10 42 15 | 12°18'11 | 4 32 32 | 26°27 | 6°29 | 6°17 | 15°56 | 7°47 | 28°59 | 12°51 | 6 34 34 | 28 49 49 | 28°19 | 16°50 | 0°44 | |
| T 3 | 10 46 12 | 13°18'09 | 19° 8 | 28°12 | 7°43 | 7° 3 | 16° 7 | 7°52 | 29° 2 | 12°53 | 6°40 | 28°39 | 28°15 | 16°57 | 0°48 | |
| W 4 | 10 50 8 | 14°18'06 | 3 14 14 | 29°53 | 8°56 | 7°49 | 16°17 | 7°58 | 29° 6 | 12°55 | 6°40 | 28°32 | 28°12 | 17° 3 | 0°51 | |
| T 5 | 10 54 5 | 15°18'01 | 18°12 | 1 31 31 | 10°10 | 8°35 | 16°27 | 8° 3 | 29° 9 | 12°57 | 6°39 | 28°27 | 28° 9 | 17°10 | 0°55 | |
| F 6 | 10 58 1 | 16°17'54 | 2 29 29 | 3° 5 | 11°24 | 9°21 | 16°38 | 8° 9 | 29°12 | 12°59 | 6°39 | 28°24 | 28° 6 | 17°17 | 0°59 | |
| S 7 | 11 1 58 | 17°17'46 | 16°34 | 4°35 | 12°38 | 10° 7 | 16°48 | 8°15 | 29°16 | 13° 1 | 6°39 | 28°D24 | 28° 3 | 17°24 | 1° 2 | |
| S 8 | 11 5 54 | 18°17'37 | 0 25 25 | 5°59 | 13°52 | 10°53 | 16°58 | 8°21 | 29°19 | 13° 3 | 6°39 | 28°R24 | 28° 0 | 17°30 | 1° 6 | |
| M 9 | 11 9 51 | 19°17'25 | 14° 3 | 7°18 | 15° 5 | 11°40 | 17° 7 | 8°26 | 29°23 | 13° 5 | 6°38 | 28°23 | 27°56 | 17°37 | 1° 9 | |
| T 10 | 11 13 48 | 20°17'12 | 27°30 | 8°30 | 16°19 | 12°26 | 17°17 | 8°32 | 29°26 | 13° 7 | 6°38 | 28°21 | 27°53 | 17°44 | 1°13 | |
| W11 | 11 17 44 | 21°16'57 | 10 45 45 | 9°37 | 17°33 | 13°12 | 17°27 | 8°39 | 29°29 | 13° 9 | 6°38 | 28°15 | 27°50 | 17°50 | 1°17 | |
| T 12 | 11 21 41 | 22°16'40 | 23°49 | 10°36 | 18°46 | 13°58 | 17°36 | 8°45 | 29°33 | 13°11 | 6°38 | 28° 7 | 27°47 | 17°57 | 1°20 | |
| F 13 | 11 25 37 | 23°16'21 | 6 42 42 | 11°28 | 20° 0 | 14°44 | 17°45 | 8°51 | 29°36 | 13°13 | 6°37 | 27°56 | 27°44 | 18° 4 | 1°24 | |
| S 14 | 11 29 34 | 24°16'01 | 19°24 | 12°12 | 21°13 | 15°31 | 17°55 | 8°57 | 29°40 | 13°14 | 6°37 | 27°42 | 27°40 | 18°10 | 1°27 | |
| S 15 | 11 33 30 | 25°15'38 | 1 55 55 | 12°49 | 22°27 | 16°17 | 18° 4 | 9° 3 | 29°43 | 13°16 | 6°37 | 27°28 | 27°37 | 18°17 | 1°31 | |
| M16 | 11 37 27 | 26°15'13 | 14°13 | 13°18 | 23°40 | 17° 3 | 18°13 | 9°10 | 29°47 | 13°18 | 6°37 | 27°15 | 27°34 | 18°24 | 1°35 | |
| T 17 | 11 41 23 | 27°14'46 | 26°21 | 13°39 | 24°54 | 17°49 | 18°21 | 9°16 | 29°50 | 13°20 | 6°37 | 27° 2 | 27°31 | 18°30 | 1°38 | |
| W18 | 11 45 20 | 28°14'17 | 8 19 19 | 13°51 | 26° 7 | 18°36 | 18°30 | 9°22 | 29°53 | 13°22 | 6°37 | 26°52 | 27°28 | 18°37 | 1°42 | |
| T 19 | 11 49 16 | 29°13'46 | 20°10 | 13°R56 | 27°20 | 19°22 | 18°39 | 9°29 | 29°57 | 13°23 | 6°37 | 26°45 | 27°25 | 18°44 | 1°46 | |
| F 20 | 11 53 13 | 0 13 13'12 | 1 11 11 | 13°53 | 28°33 | 20° 8 | 18°47 | 9°36 | 0 0 0 | 13°25 | 6°D37 | 26°41 | 27°21 | 18°50 | 1°49 | |
| S 21 | 11 57 10 | 1°12'36 | 13°47 | 13°43 | 29°46 | 20°55 | 18°56 | 9°42 | 0° 4 | 13°27 | 6°37 | 26°39 | 27°18 | 18°57 | 1°53 | |
| S 22 | 12 1 6 | 2°11'58 | 25°42 | 13°26 | 1 8 8 | 21°41 | 19° 4 | 9°49 | 0° 7 | 13°28 | 6°37 | 26°39 | 27°15 | 19° 4 | 1°57 | |
| M23 | 12 5 3 | 3°11'18 | 7 38 38 | 13° 2 | 2°13 | 22°27 | 19°12 | 9°56 | 0°11 | 13°30 | 6°37 | 26°39 | 27°12 | 19°10 | 2° 0 | |
| T 24 | 12 8 59 | 4°10'35 | 20°11 | 12°32 | 3°26 | 23°13 | 19°20 | 10° 2 | 0°14 | 13°32 | 6°37 | 26°38 | 27° 9 | 19°17 | 2° 4 | |
| W25 | 12 12 56 | 5° 9'50 | 2 56 56 | 11°57 | 4°38 | 24° 0 | 19°28 | 10° 9 | 0°17 | 13°33 | 6°37 | 26°35 | 27° 6 | 19°24 | 2° 8 | |
| T 26 | 12 16 52 | 6° 9'03 | 16° 7 | 11°17 | 5°51 | 24°46 | 19°35 | 10°16 | 0°21 | 13°35 | 6°37 | 26°30 | 27° 2 | 19°30 | 2°11 | |
| F 27 | 12 20 49 | 7° 8'13 | 29°46 | 10°33 | 7° 4 | 25°32 | 19°43 | 10°23 | 0°24 | 13°36 | 6°38 | 26°23 | 26°59 | 19°37 | 2°15 | |
| S 28 | 12 24 45 | 8° 7'21 | 13 53 53 | 9°47 | 8°17 | 26°19 | 19°50 | 10°30 | 0°28 | 13°38 | 6°38 | 26°13 | 26°56 | 19°44 | 2°19 | |
| S 29 | 12 28 42 | 9° 6'27 | 28°25 | 8°59 | 9°29 | 27° 5 | 19°57 | 10°37 | 0°31 | 13°39 | 6°38 | 26° 2 | 26°53 | 19°50 | 2°22 | |
| M30 | 12 32 39 | 10° 5'31 | 13 15 15 | 8°11 | 10°42 | 27°51 | 20° 5 | 10°44 | 0°34 | 13°41 | 6°38 | 25°51 | 26°50 | 19°57 | 2°26 | |
| T 31 | 12 36 35 | 11 4 4'32 | 28 15 15 | 7 22 22 | 11 8 55 | 28 38 38 | 20 31 11 | 10 8 51 | 0 38 38 | 13 42 42 | 6 38 38 | 25 41 41 | 26 46 46 | 20 8 4 | 2 30 30 | |

Delta T = 17.97 sec. Greg. Calendar

APRIL 1676GC

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| W 1 | 12 40 32 | 12 3 3'32 | 13 11 15 | 6°R35 | 13 8 7 | 29 24 24 | 20 18 18 | 10 8 58 | 0 41 41 | 13 44 44 | 6 39 39 | 25°R33 | 26 43 43 | 20 10 10 | 2 33 33 | |
| T 2 | 12 44 28 | 13° 2'30 | 28° 6 | 5 49 49 | 14°19 | 0 10 10 | 20°25 | 11° 5 | 0°45 | 13°45 | 6°39 | 25°28 | 26°40 | 20°17 | 2°37 | |
| F 3 | 12 48 25 | 14° 1'26 | 12 41 41 | 5° 7 | 15°32 | 0°57 | 20°31 | 11°12 | 0°48 | 13°46 | 6°39 | 25°26 | 26°37 | 20°24 | 2°40 | |
| S 4 | 12 52 21 | 15° 0'21 | 26°58 | 4°27 | 16°44 | 1°43 | 20°38 | 11°20 | 0°51 | 13°48 | 6°40 | 25°D25 | 26°34 | 20°30 | 2°44 | |
| S 5 | 12 56 18 | 15°59'13 | 10 54 54 | 3°52 | 17°56 | 2°29 | 20°44 | 11°27 | 0°55 | 13°49 | 6°40 | 25°R26 | 26°31 | 20°37 | 2°48 | |
| M 6 | 13 0 14 | 16°58'04 | 24°30 | 3°21 | 19° 9 | 3°15 | 20°50 | 11°34 | 0°58 | 13°50 | 6°40 | 25°25 | 26°27 | 20°44 | 2°51 | |
| T 7 | 13 4 11 | 17°56'54 | 7 47 47 | 2°55 | 20°21 | 4° 2 | 20°56 | 11°41 | 1° 1 | 13°52 | 6°41 | 25°24 | 26°24 | 20°50 | 2°55 | |
| W 8 | 13 8 8 | 18°55'41 | 20°49 | 2°34 | 21°33 | 4°48 | 21° 2 | 11°49 | 1° 5 | 13°53 | 6°41 | 25°20 | 26°21 | 20°57 | 2°58 | |
| T 9 | 13 12 4 | 19°54'27 | 3 36 36 | 2°17 | 22°45 | 5°34 | 21° 7 | 11°56 | 1° 8 | 13°54 | 6°42 | 25°13 | 26°18 | 21° 4 | 3° 2 | |
| F 10 | 13 16 1 | 20°53'11 | 16°11 | 2° 7 | 23°57 | 6°21 | 21°13 | 12° 3 | 1°11 | 13°55 | 6°42 | 25° 4 | 26°15 | 21°10 | 3° 5 | |
| S 11 | 13 19 57 | 21°51'53 | 28°36 | 2° 1 | 25° 8 | 7° 7 | 21°18 | 12°11 | 1°14 | 13°56 | 6°43 | 24°53 | 26°12 | 21°17 | 3° 9 | |
| S 12 | 13 23 54 | 22°50'33 | 10 51 51 | 2°D 1 | 26°20 | 7°53 | 21°23 | 12°18 | 1°18 | 13°57 | 6°43 | 24°41 | 26° 8 | 21°24 | 3°12 | |
| M13 | 13 27 50 | 23°49'11 | 22°58 | 2° 5 | 27°32 | 8°39 | 21°28 | 12°26 | 1°21 | 13°58 | 6°44 | 24°30 | 26° 5 | 21°30 | 3°16 | |
| T 14 | 13 31 47 | 24°47'47 | 4 56 56 | 2°15 | 28°43 | 9°26 | 21°33 | 12°33 | 1°24 | 13°59 | 6°44 | 24°19 | 26° 2 | 21°37 | 3°19 | |
| W15 | 13 35 43 | 25°46'22 | 16°49 | 2°30 | 29°55 | 10°12 | 21°37 | 12°41 | 1°27 | 14° 0 | 6°45 | 24°11 | 25°59 | 21°44 | 3°23 | |
| T 16 | 13 39 40 | 26°44'54 | 28°38 | 2°49 | 1 11 6 | 10°58 | 21°41 | 12°48 | 1°31 | 14° 1 | 6°46 | 24° 5 | 25°56 | 21°50 | 3°26 | |
| F 17 | 13 43 37 | 27°43'25 | 10 25 25 | 3°13 | 2°18 | 11°44 | 21°46 | 12°56 | 1°34 | 14° 2 | 6°46 | 24° 2 | 25°52 | 21°57 | 3°30 | |
| S 18 | 13 47 33 | 28°41'53 | 22°14 | 3°41 | 3°29 | 12°30 | 21°50 | 13° 4 | 1°37 | 14° 3 | 6°47 | 24°D 1 | 25°49 | 22° 4 | 3°33 | |
| S 19 | 13 51 30 | 29°40'19 | 4 9 9 | 4°14 | 4°40 | 13°17 | 21°54 | 13°11 | 1°40 | 14° 4 | 6°48 | 24° 1 | 25°46 | 22°10 | 3°37 | |
| M20 | 13 55 26 | 0 8 38'44 | 16°14 | 4°50 | 5°52 | 14° 3 | 21°57 | 13°19 | 1°43 | 14° 5 | 6°48 | 24° 2 | 25°43 | 22°17 | 3°40 | |
| T 21 | 13 59 23 | 1°37'06 | 28°35 | 5°30 | 7° 3 | 14°49 | 22° 1 | 13°26 | 1°46 | 14° 6 | 6°49 | 24°R 3 | 25°40 | 22°24 | 3°43 | |
| W22 | 14 3 19 | 2°35'26 | 11 17 17 | 6°14 | 8°14 | 15°35 | 22° 4 | 13°34 | 1°49 | 14° 7 | 6°50 | 24° 3 | 25°37 | 22°30 | 3°47 | |
| T 23 | 14 7 16 | 3°33'43 | 24°24 | 7° 2 | 9°25 | 16°21 | 22° 7 | 13°42 | 1°52 | 14° 7 | 6°51 | 24° 1 | 25°33 | 22°37 | 3°50 | |
| F 24 | 14 11 12 | 4°31'59 | 7 59 59 | 7°53 | 10°35 | 17° 7 | 22°10 | 13°49 | 1°55 | 14° 8 | 6°51 | 23°57 | 25°30 | 22°44 | 3°53 | |
| S 25 | 14 15 9 | 5°30'13 | 22° 3 | 8°47 | 11°46 | 17°53 | 22°13 | 13°57 | 1°58 | 14° 9 | 6°52 | 23°51 | 25°27 | 22°50 | 3°56 | |
| S 26 | 14 19 6 | 6°28'24 | 6 36 36 | 9°44 | 12°57 | 18°39 | 22°16 | 14° 5 | 2° 1 | 14°10 | 6°53 | 23°44 | 25°24 | 22°57 | 4° 0 | |
| M27 | 14 23 2 | 7°26'34 | 21°30 | 10°44 | 14° 7 | 19°25 | 22°18 | 14°13 | 2° 4 | 14°10 | 6°54 | 23°37 | 25°21 | 23° 4 | 4° 3 | |
| T 28 | 14 26 59 | 8°24'42 | 6 40 40 | 11°47 | 15°18 | 20°11 | 22°20 | 14°20 | 2° 7 | 14°11 | 6°55 | 23°31 | 25°17 | 23°10 | 4° 6 | |
| W29 | 14 30 55 | 9°22'48 | 21°53 | 12°53 | 16°28 | 20°57 | 22°23 | 14°28 | 2°10 | 14°11 | 6°56 | 23°26 | 25°14 | 23°17 | 4° 9 | |
| T 30 | 14 34 52 | 10 20 20'53 | 7 1 1 | 14 2 2 | 17 38 38 | 21 43 43 | 22 24 24 | 14 36 36 | 2 13 13 | 14 12 12 | 6 57 57 | 23 17 17 | 25 11 11 | 23 24 24 | 4 12 12 | |

Delta T = 17.89 sec. Greg. Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [5.1.2003]

SWISS EPHEMERIS for the year 1676

MAY 1676GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|--------|-------|------|--------|------|--------|-------|-------|------|---|---|
| F 1 | 14 38 48 | 11♁18'56 | 21♁55 | 15♁13 | 18♁48 | 22♁29 | 22♁26 | 14♁44 | 2♁16 | 14♁12 | 6♁57 | 23♁22 | 25♁8 | 23♁30 | 4♁15 | | |
| S 2 | 14 42 45 | 12°16'57 | 6♁27 | 16°26 | 19°59 | 23°15 | 22°28 | 14°51 | 2°19 | 14°13 | 6°58 | 23°22 | 25°5 | 23°37 | 4°18 | | |
| S 3 | 14 46 41 | 13°14'58 | 20°36 | 17°42 | 21°8 | 24°1 | 22°29 | 14°59 | 2°21 | 14°13 | 6°59 | 23°24 | 25°2 | 23°44 | 4°21 | | |
| M 4 | 14 50 38 | 14°12'57 | 4♁19 | 19°1 | 22°18 | 24°47 | 22°30 | 15°7 | 2°24 | 14°14 | 7°0 | 23°25 | 24°58 | 23°50 | 4°24 | | |
| T 5 | 14 54 35 | 15°10'54 | 17°39 | 20°22 | 23°28 | 25°32 | 22°31 | 15°15 | 2°27 | 14°14 | 7°1 | 23°R25 | 24°55 | 23°57 | 4°27 | | |
| W 6 | 14 58 31 | 16°8'51 | 0♁37 | 21°45 | 24°38 | 26°18 | 22°32 | 15°22 | 2°30 | 14°15 | 7°2 | 23°24 | 24°52 | 24°4 | 4°30 | | |
| T 7 | 15 2 28 | 17°6'46 | 13°18 | 23°10 | 25°47 | 27°4 | 22°32 | 15°30 | 2°32 | 14°15 | 7°3 | 23°21 | 24°49 | 24°10 | 4°33 | | |
| F 8 | 15 6 24 | 18°4'39 | 25°43 | 24°38 | 26°57 | 27°50 | 22°33 | 15°38 | 2°35 | 14°15 | 7°4 | 23°17 | 24°46 | 24°17 | 4°36 | | |
| S 9 | 15 10 21 | 19°2'32 | 7♁56 | 26°8 | 28°6 | 28°35 | 22°33 | 15°46 | 2°38 | 14°15 | 7°5 | 23°12 | 24°43 | 24°24 | 4°39 | | |
| S 10 | 15 14 17 | 20°0'23 | 20°0 | 27°40 | 29°15 | 29°21 | 22°R33 | 15°53 | 2°40 | 14°16 | 7°7 | 23°6 | 24°39 | 24°30 | 4°42 | | |
| M11 | 15 18 14 | 20°58'12 | 1♁56 | 29°14 | 0♁24 | 0♁6 | 22°33 | 16°1 | 2°43 | 14°16 | 7°8 | 23°0 | 24°36 | 24°37 | 4°45 | | |
| T 12 | 15 22 10 | 21°56'01 | 13°48 | 0♁50 | 1°33 | 0°52 | 22°32 | 16°9 | 2°45 | 14°16 | 7°9 | 22°55 | 24°33 | 24°44 | 4°47 | | |
| W13 | 15 26 7 | 22°53'48 | 25°37 | 2°29 | 2°42 | 1°38 | 22°32 | 16°17 | 2°48 | 14°16 | 7°10 | 22°51 | 24°30 | 24°50 | 4°50 | | |
| T 14 | 15 30 4 | 23°51'34 | 7♁25 | 4°9 | 3°51 | 2°23 | 22°31 | 16°24 | 2°50 | 14°16 | 7°11 | 22°49 | 24°27 | 24°57 | 4°53 | | |
| F 15 | 15 34 0 | 24°49'18 | 19°14 | 5°52 | 5°0 | 3°9 | 22°30 | 16°32 | 2°53 | 14°16 | 7°12 | 22°D47 | 24°23 | 25°4 | 4°55 | | |
| S 16 | 15 37 57 | 25°47'01 | 1♁7 | 7°37 | 6°8 | 3°54 | 22°29 | 16°40 | 2°55 | 14°R16 | 7°13 | 22°48 | 24°20 | 25°10 | 4°58 | | |
| S 17 | 15 41 53 | 26°44'42 | 13°6 | 9°24 | 7°17 | 4°39 | 22°28 | 16°47 | 2°57 | 14°16 | 7°15 | 22°49 | 24°17 | 25°17 | 5°0 | | |
| M18 | 15 45 50 | 27°42'22 | 25°16 | 11°13 | 8°25 | 5°25 | 22°26 | 16°55 | 3°0 | 14°16 | 7°16 | 22°50 | 24°14 | 25°24 | 5°3 | | |
| T 19 | 15 49 46 | 28°40'01 | 7♁40 | 13°5 | 9°33 | 6°10 | 22°24 | 17°3 | 3°2 | 14°16 | 7°17 | 22°52 | 24°11 | 25°30 | 5°5 | | |
| W20 | 15 53 43 | 29°37'38 | 20°22 | 14°58 | 10°41 | 6°55 | 22°23 | 17°10 | 3°4 | 14°16 | 7°18 | 22°53 | 24°8 | 25°37 | 5°8 | | |
| T 21 | 15 57 39 | 0♁35'13 | 3♁25 | 16°54 | 11°49 | 7°40 | 22°21 | 17°18 | 3°6 | 14°16 | 7°20 | 22°R53 | 24°4 | 25°44 | 5°10 | | |
| F 22 | 16 1 36 | 1°32'47 | 16°54 | 18°51 | 12°57 | 8°26 | 22°18 | 17°26 | 3°9 | 14°16 | 7°21 | 22°53 | 24°1 | 25°50 | 5°13 | | |
| S 23 | 16 5 33 | 2°30'19 | 0♁49 | 20°51 | 14°4 | 9°11 | 22°16 | 17°33 | 3°11 | 14°15 | 7°22 | 22°51 | 23°58 | 25°57 | 5°15 | | |
| S 24 | 16 9 29 | 3°27'50 | 15°11 | 22°53 | 15°12 | 9°56 | 22°13 | 17°41 | 3°13 | 14°15 | 7°23 | 22°49 | 23°55 | 26°4 | 5°17 | | |
| M25 | 16 13 26 | 4°25'20 | 29°56 | 24°56 | 16°19 | 10°41 | 22°10 | 17°48 | 3°15 | 14°15 | 7°25 | 22°47 | 23°52 | 26°10 | 5°20 | | |
| T 26 | 16 17 22 | 5°22'49 | 14♁58 | 27°1 | 17°26 | 11°26 | 22°7 | 17°56 | 3°17 | 14°15 | 7°26 | 22°44 | 23°49 | 26°17 | 5°22 | | |
| W27 | 16 21 19 | 6°20'16 | 0♁16 | 29°8 | 18°33 | 12°11 | 22°4 | 18°3 | 3°19 | 14°14 | 7°27 | 22°43 | 23°45 | 26°24 | 5°24 | | |
| T 28 | 16 25 15 | 7°17'42 | 15°21 | 1♁16 | 19°39 | 12°55 | 22°1 | 18°11 | 3°21 | 14°14 | 7°29 | 22°D42 | 23°42 | 26°30 | 5°26 | | |
| F 29 | 16 29 12 | 8°15'08 | 0♁23 | 3°25 | 20°46 | 13°40 | 21°57 | 18°18 | 3°23 | 14°13 | 7°30 | 22°42 | 23°39 | 26°37 | 5°28 | | |
| S 30 | 16 33 8 | 9°12'32 | 15°6 | 5°36 | 21°52 | 14°25 | 21°54 | 18°26 | 3°24 | 14°13 | 7°31 | 22°43 | 23°36 | 26°44 | 5°30 | | |
| S 31 | 16 37 5 | 10♁9'56 | 29♁26 | 7♁47 | 22♁59 | 15♁10 | 21♁50 | 18♁33 | 3♁26 | 14♁13 | 7♁33 | 22♁44 | 23♁33 | 26♁50 | 5♁32 | | |

Delta T = 17.81 sec.

Greg. Calendar

JUNE 1676GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|--------|-------|------|--------|------|--------|-------|-------|------|---|---|
| M 1 | 16 41 2 | 11♁7'19 | 13♁20 | 9♁59 | 24♁5 | 15♁54 | 21°R46 | 18♁41 | 3♁28 | 14°R12 | 7♁34 | 22°45 | 23°29 | 26♁57 | 5♁34 | | |
| T 2 | 16 44 58 | 12°4'42 | 26°47 | 12°11 | 25°11 | 16°39 | 21♁42 | 18°48 | 3°30 | 14♁12 | 7°35 | 22°45 | 23°26 | 27°4 | 5°36 | | |
| W 3 | 16 48 55 | 13°2'04 | 9♁50 | 14°23 | 26°16 | 17°24 | 21°37 | 18°55 | 3°31 | 14°11 | 7°37 | 22°R46 | 23°23 | 27°10 | 5°38 | | |
| T 4 | 16 52 51 | 13°59'25 | 22°30 | 16°35 | 27°22 | 18°8 | 21°33 | 19°3 | 3°33 | 14°10 | 7°38 | 22°46 | 23°20 | 27°17 | 5°40 | | |
| F 5 | 16 56 48 | 14°56'46 | 4♁53 | 18°46 | 28°27 | 18°53 | 21°28 | 19°10 | 3°35 | 14°10 | 7°40 | 22°45 | 23°17 | 27°24 | 5°41 | | |
| S 6 | 17 0 44 | 15°54'06 | 17°1 | 20°56 | 29°32 | 19°37 | 21°23 | 19°17 | 3°36 | 14°9 | 7°41 | 22°44 | 23°14 | 27°30 | 5°43 | | |
| S 7 | 17 4 41 | 16°51'26 | 28°59 | 23°6 | 0♁37 | 20°21 | 21°18 | 19°24 | 3°38 | 14°9 | 7°42 | 22°44 | 23°10 | 27°37 | 5°45 | | |
| M 8 | 17 8 37 | 17°48'46 | 10♁50 | 25°14 | 1°41 | 21°6 | 21°13 | 19°31 | 3°39 | 14°8 | 7°44 | 22°43 | 23°7 | 27°44 | 5°46 | | |
| T 9 | 17 12 34 | 18°46'05 | 22°39 | 27°20 | 2°46 | 21°50 | 21°8 | 19°39 | 3°41 | 14°7 | 7°45 | 22°42 | 23°4 | 27°50 | 5°48 | | |
| W10 | 17 16 31 | 19°43'23 | 4♁26 | 29°26 | 3°50 | 22°34 | 21°3 | 19°46 | 3°42 | 14°6 | 7°47 | 22°42 | 23°1 | 27°57 | 5°49 | | |
| T 11 | 17 20 27 | 20°40'41 | 16°16 | 1♁29 | 4°54 | 23°18 | 20°57 | 19°53 | 3°43 | 14°6 | 7°48 | 22°42 | 22°58 | 28°4 | 5°51 | | |
| F 12 | 17 24 24 | 21°37'58 | 28°11 | 3°30 | 5°58 | 24°2 | 20°51 | 20°0 | 3°45 | 14°5 | 7°50 | 22°D42 | 22°55 | 28°10 | 5°52 | | |
| S 13 | 17 28 20 | 22°35'15 | 10♁12 | 5°30 | 7°1 | 24°46 | 20°45 | 20°7 | 3°46 | 14°4 | 7°51 | 22°R42 | 22°51 | 28°17 | 5°54 | | |
| S 14 | 17 32 17 | 23°32'32 | 22°22 | 7°27 | 8°5 | 25°30 | 20°39 | 20°14 | 3°47 | 14°3 | 7°53 | 22°42 | 22°48 | 28°24 | 5°55 | | |
| M15 | 17 36 13 | 24°29'47 | 4♁43 | 9°22 | 9°8 | 26°14 | 20°33 | 20°21 | 3°48 | 14°2 | 7°54 | 22°42 | 22°45 | 28°30 | 5°56 | | |
| T 16 | 17 40 10 | 25°27'02 | 17°17 | 11°16 | 10°10 | 26°58 | 20°27 | 20°28 | 3°49 | 14°1 | 7°56 | 22°42 | 22°42 | 28°37 | 5°58 | | |
| W17 | 17 44 6 | 26°24'17 | 0♁6 | 13°7 | 11°13 | 27°41 | 20°21 | 20°34 | 3°50 | 14°0 | 7°57 | 22°41 | 22°39 | 28°44 | 5°59 | | |
| T 18 | 17 48 3 | 27°21'30 | 13°13 | 14°55 | 12°15 | 28°25 | 20°14 | 20°41 | 3°51 | 13°59 | 7°59 | 22°41 | 22°35 | 28°50 | 6°0 | | |
| F 19 | 17 52 0 | 28°18'43 | 26°40 | 16°42 | 13°17 | 29°8 | 20°8 | 20°48 | 3°52 | 13°58 | 8°0 | 22°D41 | 22°32 | 28°57 | 6°1 | | |
| S 20 | 17 55 56 | 29°15'56 | 10♁28 | 18°26 | 14°18 | 29°52 | 20°1 | 20°55 | 3°53 | 13°57 | 8°2 | 22°41 | 22°29 | 29°4 | 6°2 | | |
| S 21 | 17 59 53 | 0♁13'08 | 24°36 | 20°8 | 15°20 | 0♁35 | 19°54 | 21°1 | 3°54 | 13°56 | 8°3 | 22°41 | 22°26 | 29°10 | 6°3 | | |
| M22 | 18 3 49 | 1°10'19 | 9♁5 | 21°48 | 16°21 | 1°19 | 19°48 | 21°8 | 3°55 | 13°55 | 8°5 | 22°42 | 22°23 | 29°17 | 6°4 | | |
| T 23 | 18 7 46 | 2°7'30 | 23°49 | 23°25 | 17°21 | 2°2 | 19°41 | 21°14 | 3°56 | 13°54 | 8°6 | 22°43 | 22°20 | 29°24 | 6°5 | | |
| W24 | 18 11 42 | 3°4'41 | 8♁44 | 25°0 | 18°21 | 2°45 | 19°34 | 21°21 | 3°56 | 13°53 | 8°8 | 22°43 | 22°16 | 29°30 | 6°5 | | |
| T 25 | 18 15 39 | 4°1'51 | 23°43 | 26°33 | 19°21 | 3°28 | 19°26 | 21°27 | 3°57 | 13°52 | 8°9 | 22°R43 | 22°13 | 29°37 | 6°6 | | |
| F 26 | 18 19 35 | 4°59'01 | 8♁37 | 28°3 | 20°21 | 4°11 | 19°19 | 21°34 | 3°58 | 13°51 | 8°11 | 22°43 | 22°10 | 29°44 | 6°7 | | |
| S 27 | 18 23 32 | 5°56'11 | 23°19 | 29°32 | 21°20 | 4°54 | 19°12 | 21°40 | 3°58 | 13°50 | 8°12 | 22°42 | 22°7 | 29°50 | 6°8 | | |
| S 28 | 18 27 29 | 6°53'22 | 7♁42 | 0♁58 | 22°19 | 5°37 | 19°5 | 21°46 | 3°59 | 13°48 | 8°14 | 22°41 | 22°4 | 29°57 | 6°8 | | |
| M29 | 18 31 25 | 7°50'32 | 21°41 | 2°21 | 23°17 | 6°20 | 18°57 | 21°52 | 3°59 | 13°47 | 8°15 | 22°39 | 22°1 | 0♁3 | 6°9 | | |
| T 30 | 18 35 22 | 8♁47'42 | 5♁15 | 3♁42 | 24♁15 | 7♁2 | 18♁50 | 21♁59 | 4♁0 | 13♁46 | 8♁17 | 22♁37 | 21♁57 | 0♁10 | 6♁9 | | |

SWISS EPHEMERIS for the year 1676

JULY 1676GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|-----------------------|---------------------|---------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|-------------------|---------------------|---------------------|--------------------|--------------------|
| W 1 | 18 39 18 | 9 ⁵ 44'53 | 18 ^X 23 | 5 ^Ω 1 | 25 ^Ω 13 | 7 [♁] 45 | 18 [♁] R42 | 22 [♁] 5 | 4 [♁] 0 | 13 [♁] R45 | 8 [♁] 18 | 22 [♁] R35 | 21 [♁] 54 | 0 [♁] 17 | 6 [♁] 10 |
| T 2 | 18 43 15 | 10 ⁵ 42'04 | 1 [♁] 7 | 6 [♁] 17 | 26 [♁] 10 | 8 [♁] 27 | 18 [♁] 35 | 22 [♁] 11 | 4 [♁] 1 | 13 [♁] 43 | 8 [♁] 20 | 22 [♁] 34 | 21 [♁] 51 | 0 [♁] 23 | 6 [♁] 10 |
| F 3 | 18 47 11 | 11 ⁵ 39'15 | 13 [♁] 30 | 7 [♁] 30 | 27 [♁] 6 | 9 [♁] 10 | 18 [♁] 27 | 22 [♁] 17 | 4 [♁] 1 | 13 [♁] 42 | 8 [♁] 21 | 22 [♁] D34 | 21 [♁] 48 | 0 [♁] 30 | 6 [♁] 10 |
| S 4 | 18 51 8 | 12 ⁵ 36'27 | 25 [♁] 38 | 8 [♁] 41 | 28 [♁] 3 | 9 [♁] 52 | 18 [♁] 19 | 22 [♁] 23 | 4 [♁] 1 | 13 [♁] 41 | 8 [♁] 23 | 22 [♁] 34 | 21 [♁] 45 | 0 [♁] 37 | 6 [♁] 11 |
| S 5 | 18 55 4 | 13 ⁵ 33'39 | 7 [♁] 35 | 9 [♁] 50 | 28 [♁] 58 | 10 [♁] 35 | 18 [♁] 12 | 22 [♁] 28 | 4 [♁] 1 | 13 [♁] 39 | 8 [♁] 24 | 22 [♁] 36 | 21 [♁] 41 | 0 [♁] 43 | 6 [♁] 11 |
| M 6 | 18 59 1 | 14 ⁵ 30'52 | 19 [♁] 24 | 10 [♁] 55 | 29 [♁] 54 | 11 [♁] 17 | 18 [♁] 4 | 22 [♁] 34 | 4 [♁] 1 | 13 [♁] 38 | 8 [♁] 26 | 22 [♁] 37 | 21 [♁] 38 | 0 [♁] 50 | 6 [♁] 11 |
| T 7 | 19 2 58 | 15 ⁵ 28'05 | 1 [♁] 12 | 11 [♁] 58 | 0 [♁] 48 | 11 [♁] 59 | 17 [♁] 56 | 22 [♁] 40 | 4 [♁] 1 | 13 [♁] 37 | 8 [♁] 27 | 22 [♁] 39 | 21 [♁] 35 | 0 [♁] 57 | 6 [♁] 11 |
| W 8 | 19 6 54 | 16 ⁵ 25'19 | 13 [♁] 2 | 12 [♁] 58 | 1 [♁] 43 | 12 [♁] 41 | 17 [♁] 49 | 22 [♁] 46 | 4 [♁] R 2 | 13 [♁] 35 | 8 [♁] 29 | 22 [♁] 40 | 21 [♁] 32 | 1 [♁] 3 | 6 [♁] 11 |
| T 9 | 19 10 51 | 17 ⁵ 22'33 | 24 [♁] 57 | 13 [♁] 54 | 2 [♁] 36 | 13 [♁] 23 | 17 [♁] 41 | 22 [♁] 51 | 4 [♁] 2 | 13 [♁] 34 | 8 [♁] 30 | 22 [♁] R40 | 21 [♁] 29 | 1 [♁] 10 | 6 [♁] R11 |
| F 10 | 19 14 47 | 18 ⁵ 19'48 | 7 [♁] 0 | 14 [♁] 48 | 3 [♁] 29 | 14 [♁] 5 | 17 [♁] 33 | 22 [♁] 57 | 4 [♁] 1 | 13 [♁] 32 | 8 [♁] 32 | 22 [♁] 39 | 21 [♁] 26 | 1 [♁] 17 | 6 [♁] 11 |
| S 11 | 19 18 44 | 19 ⁵ 17'03 | 19 [♁] 13 | 15 [♁] 38 | 4 [♁] 22 | 14 [♁] 46 | 17 [♁] 25 | 23 [♁] 2 | 4 [♁] 1 | 13 [♁] 31 | 8 [♁] 33 | 22 [♁] 37 | 21 [♁] 22 | 1 [♁] 23 | 6 [♁] 11 |
| S 12 | 19 22 40 | 20 ⁵ 14'18 | 1 [♁] 38 | 16 [♁] 25 | 5 [♁] 14 | 15 [♁] 28 | 17 [♁] 18 | 23 [♁] 8 | 4 [♁] 1 | 13 [♁] 29 | 8 [♁] 35 | 22 [♁] 34 | 21 [♁] 19 | 1 [♁] 30 | 6 [♁] 11 |
| M13 | 19 26 37 | 21 ⁵ 11'34 | 14 [♁] 16 | 17 [♁] 8 | 6 [♁] 5 | 16 [♁] 10 | 17 [♁] 10 | 23 [♁] 13 | 4 [♁] 1 | 13 [♁] 28 | 8 [♁] 36 | 22 [♁] 30 | 21 [♁] 16 | 1 [♁] 37 | 6 [♁] 11 |
| T 14 | 19 30 34 | 22 ⁵ 8'50 | 27 [♁] 8 | 17 [♁] 48 | 6 [♁] 56 | 16 [♁] 51 | 17 [♁] 2 | 23 [♁] 18 | 4 [♁] 1 | 13 [♁] 27 | 8 [♁] 38 | 22 [♁] 25 | 21 [♁] 13 | 1 [♁] 43 | 6 [♁] 10 |
| W15 | 19 34 30 | 23 ⁵ 6'06 | 10 [♁] 13 | 18 [♁] 24 | 7 [♁] 46 | 17 [♁] 32 | 16 [♁] 55 | 23 [♁] 23 | 4 [♁] 0 | 13 [♁] 25 | 8 [♁] 39 | 22 [♁] 21 | 21 [♁] 10 | 1 [♁] 50 | 6 [♁] 10 |
| T 16 | 19 38 27 | 24 ⁵ 3'23 | 2 [♁] 33 | 18 [♁] 55 | 8 [♁] 35 | 18 [♁] 13 | 16 [♁] 47 | 23 [♁] 28 | 4 [♁] 0 | 13 [♁] 24 | 8 [♁] 41 | 22 [♁] 17 | 21 [♁] 7 | 1 [♁] 57 | 6 [♁] 10 |
| F 17 | 19 42 23 | 25 ⁵ 0'40 | 7 [♁] 6 | 19 [♁] 23 | 9 [♁] 23 | 18 [♁] 55 | 16 [♁] 39 | 23 [♁] 33 | 4 [♁] 0 | 13 [♁] 22 | 8 [♁] 42 | 22 [♁] 14 | 21 [♁] 3 | 2 [♁] 3 | 6 [♁] 9 |
| S 18 | 19 46 20 | 25 ⁵ 57'57 | 20 [♁] 53 | 19 [♁] 46 | 10 [♁] 11 | 19 [♁] 36 | 16 [♁] 32 | 23 [♁] 38 | 3 [♁] 59 | 13 [♁] 20 | 8 [♁] 44 | 22 [♁] D13 | 21 [♁] 0 | 2 [♁] 10 | 6 [♁] 9 |
| S 19 | 19 50 16 | 26 ⁵ 55'15 | 4 [♁] 54 | 20 [♁] 5 | 10 [♁] 58 | 20 [♁] 16 | 16 [♁] 24 | 23 [♁] 43 | 3 [♁] 59 | 13 [♁] 19 | 8 [♁] 45 | 22 [♁] 13 | 20 [♁] 57 | 2 [♁] 17 | 6 [♁] 8 |
| M20 | 19 54 13 | 27 ⁵ 52'33 | 19 [♁] 7 | 20 [♁] 19 | 11 [♁] 44 | 20 [♁] 57 | 16 [♁] 17 | 23 [♁] 48 | 3 [♁] 58 | 13 [♁] 17 | 8 [♁] 47 | 22 [♁] 14 | 20 [♁] 54 | 2 [♁] 23 | 6 [♁] 8 |
| T 21 | 19 58 9 | 28 ⁵ 49'51 | 3 [♁] 32 | 20 [♁] 28 | 12 [♁] 30 | 21 [♁] 38 | 16 [♁] 9 | 23 [♁] 53 | 3 [♁] 58 | 13 [♁] 16 | 8 [♁] 48 | 22 [♁] 15 | 20 [♁] 51 | 2 [♁] 30 | 6 [♁] 7 |
| W22 | 20 2 6 | 29 ⁵ 47'10 | 18 [♁] 4 | 20 [♁] R33 | 13 [♁] 14 | 22 [♁] 19 | 16 [♁] 2 | 23 [♁] 57 | 3 [♁] 57 | 13 [♁] 14 | 8 [♁] 50 | 22 [♁] R16 | 20 [♁] 47 | 2 [♁] 37 | 6 [♁] 6 |
| T 23 | 20 6 3 | 0 [♁] 44'30 | 2 [♁] 40 | 20 [♁] 32 | 13 [♁] 58 | 22 [♁] 59 | 15 [♁] 55 | 24 [♁] 2 | 3 [♁] 56 | 13 [♁] 13 | 8 [♁] 51 | 22 [♁] 16 | 20 [♁] 44 | 2 [♁] 43 | 6 [♁] 6 |
| F 24 | 20 9 59 | 1 [♁] 41'50 | 17 [♁] 15 | 20 [♁] 26 | 14 [♁] 40 | 23 [♁] 39 | 15 [♁] 48 | 24 [♁] 6 | 3 [♁] 56 | 13 [♁] 11 | 8 [♁] 53 | 22 [♁] 14 | 20 [♁] 41 | 2 [♁] 50 | 6 [♁] 5 |
| S 25 | 20 13 56 | 2 [♁] 39'11 | 1 [♁] 41 | 20 [♁] 15 | 15 [♁] 22 | 24 [♁] 20 | 15 [♁] 41 | 24 [♁] 11 | 3 [♁] 55 | 13 [♁] 10 | 8 [♁] 54 | 22 [♁] 10 | 20 [♁] 38 | 2 [♁] 56 | 6 [♁] 4 |
| S 26 | 20 17 52 | 3 [♁] 36'32 | 15 [♁] 54 | 19 [♁] 59 | 16 [♁] 2 | 25 [♁] 0 | 15 [♁] 34 | 24 [♁] 15 | 3 [♁] 54 | 13 [♁] 8 | 8 [♁] 55 | 22 [♁] 4 | 20 [♁] 35 | 3 [♁] 3 | 6 [♁] 3 |
| M27 | 20 21 49 | 4 [♁] 33'55 | 29 [♁] 49 | 19 [♁] 38 | 16 [♁] 41 | 25 [♁] 40 | 15 [♁] 27 | 24 [♁] 19 | 3 [♁] 53 | 13 [♁] 6 | 8 [♁] 57 | 21 [♁] 58 | 20 [♁] 32 | 3 [♁] 10 | 6 [♁] 2 |
| T 28 | 20 25 45 | 5 [♁] 31'18 | 13 [♁] X20 | 19 [♁] 12 | 17 [♁] 20 | 26 [♁] 20 | 15 [♁] 20 | 24 [♁] 24 | 3 [♁] 52 | 13 [♁] 5 | 8 [♁] 58 | 21 [♁] 51 | 20 [♁] 28 | 3 [♁] 16 | 6 [♁] 1 |
| W29 | 20 29 42 | 6 [♁] 28'43 | 26 [♁] 29 | 18 [♁] 42 | 17 [♁] 57 | 27 [♁] 0 | 15 [♁] 13 | 24 [♁] 28 | 3 [♁] 51 | 13 [♁] 3 | 9 [♁] 0 | 21 [♁] 45 | 20 [♁] 25 | 3 [♁] 23 | 6 [♁] 0 |
| T 30 | 20 33 38 | 7 [♁] 26'08 | 9 [♁] Y14 | 18 [♁] 7 | 18 [♁] 33 | 27 [♁] 39 | 15 [♁] 6 | 24 [♁] 32 | 3 [♁] 50 | 13 [♁] 1 | 9 [♁] 1 | 21 [♁] 40 | 20 [♁] 22 | 3 [♁] 30 | 5 [♁] 59 |
| F 31 | 20 37 35 | 8 [♁] 23'35 | 21 [♁] Y40 | 17 [♁] 28 | 19 [♁] 8 | 28 [♁] 19 | 15 [♁] 0 | 24 [♁] 35 | 3 [♁] Y49 | 13 [♁] 0 | 9 [♁] 2 | 21 [♁] X36 | 20 [♁] X19 | 3 [♁] Y36 | 5 [♁] Y58 |

Delta T = 17.64 sec.

Greg. Calendar

AUGUST 1676GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|-----------------------|--------------------|---------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|-------------------|---------------------|---------------------|--------------------|--------------------|
| S 1 | 20 41 32 | 9 [♁] 21'03 | 3 [♁] 48 | 16 [♁] R46 | 19 [♁] 41 | 28 [♁] 58 | 14 [♁] R53 | 24 [♁] 39 | 3 [♁] R48 | 12 [♁] R58 | 9 [♁] 4 | 21 [♁] R35 | 20 [♁] X16 | 3 [♁] Y43 | 5 [♁] R57 |
| S 2 | 20 45 28 | 10 [♁] 18'33 | 15 [♁] 45 | 16 [♁] Ω 1 | 20 [♁] 13 | 29 [♁] 37 | 14 [♁] 347 | 24 [♁] 43 | 3 [♁] Y47 | 12 [♁] 57 | 9 [♁] 5 | 21 [♁] D34 | 20 [♁] 12 | 3 [♁] 50 | 5 [♁] Y55 |
| M 3 | 20 49 25 | 11 [♁] 16'04 | 27 [♁] 35 | 15 [♁] 15 | 20 [♁] 44 | 0 [♁] 17 | 14 [♁] 41 | 24 [♁] 47 | 3 [♁] 46 | 12 [♁] 55 | 9 [♁] 6 | 21 [♁] X35 | 20 [♁] 9 | 3 [♁] 56 | 5 [♁] 54 |
| T 4 | 20 53 21 | 12 [♁] 13'36 | 9 [♁] Y23 | 14 [♁] 27 | 21 [♁] 13 | 0 [♁] 56 | 14 [♁] 35 | 24 [♁] 50 | 3 [♁] 45 | 12 [♁] 53 | 9 [♁] 8 | 21 [♁] 37 | 20 [♁] 6 | 4 [♁] 3 | 5 [♁] 53 |
| W 5 | 20 57 18 | 13 [♁] 11'10 | 21 [♁] 15 | 13 [♁] 38 | 21 [♁] 41 | 1 [♁] 35 | 14 [♁] 29 | 24 [♁] 54 | 3 [♁] 44 | 12 [♁] 52 | 9 [♁] 9 | 21 [♁] R37 | 20 [♁] 3 | 4 [♁] 10 | 5 [♁] 51 |
| T 6 | 21 1 14 | 14 [♁] 8'45 | 3 [♁] 15 | 12 [♁] 50 | 22 [♁] 7 | 2 [♁] 13 | 14 [♁] 23 | 24 [♁] 57 | 3 [♁] 42 | 12 [♁] 50 | 9 [♁] 10 | 21 [♁] 37 | 20 [♁] 0 | 4 [♁] 16 | 5 [♁] 50 |
| F 7 | 21 5 11 | 15 [♁] 6'21 | 15 [♁] 27 | 12 [♁] 4 | 22 [♁] 32 | 2 [♁] 52 | 14 [♁] 17 | 25 [♁] 0 | 3 [♁] 41 | 12 [♁] 48 | 9 [♁] 11 | 21 [♁] 34 | 19 [♁] 57 | 4 [♁] 23 | 5 [♁] 48 |
| S 8 | 21 9 7 | 16 [♁] 3'59 | 27 [♁] 53 | 11 [♁] 20 | 22 [♁] 55 | 3 [♁] 31 | 14 [♁] 12 | 25 [♁] 3 | 3 [♁] 40 | 12 [♁] 47 | 9 [♁] 13 | 21 [♁] 29 | 19 [♁] 53 | 4 [♁] 30 | 5 [♁] 47 |
| S 9 | 21 13 4 | 17 [♁] 1'38 | 10 [♁] 35 | 10 [♁] 39 | 23 [♁] 16 | 4 [♁] 9 | 14 [♁] 6 | 25 [♁] 6 | 3 [♁] 38 | 12 [♁] 45 | 9 [♁] 14 | 21 [♁] 22 | 19 [♁] 50 | 4 [♁] 36 | 5 [♁] 45 |
| M10 | 21 17 1 | 17 [♁] 59'18 | 23 [♁] 33 | 10 [♁] 3 | 23 [♁] 36 | 4 [♁] 47 | 14 [♁] 1 | 25 [♁] 9 | 3 [♁] 37 | 12 [♁] 44 | 9 [♁] 15 | 21 [♁] 13 | 19 [♁] 47 | 4 [♁] 43 | 5 [♁] 44 |
| T 11 | 21 20 57 | 18 [♁] 56'59 | 6 [♁] Y48 | 9 [♁] 31 | 23 [♁] 54 | 5 [♁] 25 | 13 [♁] 56 | 25 [♁] 12 | 3 [♁] 35 | 12 [♁] 42 | 9 [♁] 16 | 21 [♁] 3 | 19 [♁] 44 | 4 [♁] 50 | 5 [♁] 42 |
| W12 | 21 24 54 | 19 [♁] 54'42 | 20 [♁] 16 | 9 [♁] 5 | 24 [♁] 9 | 6 [♁] 3 | 13 [♁] 51 | 25 [♁] 15 | 3 [♁] 34 | 12 [♁] 40 | 9 [♁] 18 | 20 [♁] 53 | 19 [♁] 41 | 4 [♁] 56 | 5 [♁] 40 |
| T 13 | 21 28 50 | 20 [♁] 52'26 | 3 [♁] 57 | 8 [♁] 46 | 24 [♁] 23 | 6 [♁] 41 | 13 [♁] 46 | 25 [♁] 18 | 3 [♁] 32 | 12 [♁] 39 | 9 [♁] 19 | 20 [♁] 45 | 19 [♁] 38 | 5 [♁] 3 | 5 [♁] 39 |
| F 14 | 21 32 47 | 21 [♁] 50'10 | 17 [♁] 47 | 8 [♁] 33 | 24 [♁] 35 | 7 [♁] 19 | 13 [♁] 41 | 25 [♁] 20 | 3 [♁] 31 | 12 [♁] 37 | 9 [♁] 20 | 20 [♁] 38 | 19 [♁] 34 | 5 [♁] 10 | 5 |

SWISS EPHEMERIS for the year 1676

SEPTEMBER 1676GC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|------------------------|------------------------|------------------------|---------------------|----------------------|-----------------------|-----------------------|--------------------|---------------------|-------------------|-----------------------|-----------------------|-----------------------|--------------------|---|
| T 1 | 22 43 45 | 9 ^h 13'33" | 17 ^h 11'18" | 24 ^h 05'58" | 21 ^h R40 | 18 ^h II 8 | 12 ^h R48 | 25 ^h 8'49" | 2 ^h R57 | 12 ^h R10 | 9 ^h 39 | 19 ^h R12 | 18 ^h 7'37" | 7 ^h II 9 | 4 ^h R58 | |
| W 2 | 22 47 41 | 10 ^h 11'47" | 29 ^h 10 | 26 ^h 44 | 21 ^h 10 | 18 ^h 43 | 12 ^h 3'46" | 25 ^h 9'49" | 2 ^h Y54 | 12 ^h 8 | 9 ^h 39 | 19 ^h 7'12" | 18 ^h 3'4 | 7 ^h 16 | 4 ^h Y56 | |
| T 3 | 22 51 38 | 11 ^h 10'04" | 11 ^h 13 | 28 ^h 31 | 20 ^h 38 | 19 ^h 17 | 12 ^h 45 | 25 ^h 50 | 2 ^h 52 | 12 ^h 7 | 9 ^h 40 | 19 ^h 10 | 18 ^h 3'1 | 7 ^h 22 | 4 ^h 53 | |
| F 4 | 22 55 34 | 12 ^h 8'23" | 23 ^h 30 | 0 ^h 21 | 20 ^h 5 | 19 ^h 51 | 12 ^h 44 | 25 ^h 50 | 2 ^h 50 | 12 ^h 5 | 9 ^h 41 | 19 ^h 6 | 18 ^h 2'8 | 7 ^h 29 | 4 ^h 51 | |
| S 5 | 22 59 31 | 13 ^h 6'43" | 6 ^h 05 | 2 ^h 12 | 19 ^h 31 | 20 ^h 25 | 12 ^h 44 | 25 ^h 50 | 2 ^h 48 | 12 ^h 4 | 9 ^h 42 | 19 ^h 0 | 18 ^h 2'4 | 7 ^h 36 | 4 ^h 48 | |
| S 6 | 23 3 27 | 14 ^h 5'06" | 19 ^h 0 | 4 ^h 5 | 18 ^h 55 | 20 ^h 58 | 12 ^h 43 | 25 ^h 51 | 2 ^h 46 | 12 ^h 3 | 9 ^h 43 | 18 ^h 51 | 18 ^h 2'1 | 7 ^h 42 | 4 ^h 46 | |
| M 7 | 23 7 24 | 15 ^h 3'31" | 2 ^h 17 | 5 ^h 58 | 18 ^h 19 | 21 ^h 32 | 12 ^h 43 | 25 ^h R51 | 2 ^h 43 | 12 ^h 1 | 9 ^h 43 | 18 ^h 39 | 18 ^h 1'8 | 7 ^h 49 | 4 ^h 43 | |
| T 8 | 23 11 21 | 16 ^h 1'57" | 15 ^h 54 | 7 ^h 51 | 17 ^h 43 | 22 ^h 5 | 12 ^h D43 | 25 ^h 51 | 2 ^h 41 | 12 ^h 0 | 9 ^h 44 | 18 ^h 27 | 18 ^h 1'5 | 7 ^h 56 | 4 ^h 40 | |
| W 9 | 23 15 17 | 17 ^h 0'26" | 29 ^h 48 | 9 ^h 45 | 17 ^h 6 | 22 ^h 38 | 12 ^h 43 | 25 ^h 50 | 2 ^h 39 | 11 ^h 59 | 9 ^h 45 | 18 ^h 15 | 18 ^h 1'2 | 8 ^h 2 | 4 ^h 38 | |
| T 10 | 23 19 14 | 17 ^h 58'56" | 13 ^h 54 | 11 ^h 39 | 16 ^h 29 | 23 ^h 10 | 12 ^h 43 | 25 ^h 50 | 2 ^h 36 | 11 ^h 58 | 9 ^h 46 | 18 ^h 4 | 18 ^h 0'9 | 8 ^h 9 | 4 ^h 35 | |
| F 11 | 23 23 10 | 18 ^h 57'28" | 28 ^h 9 | 13 ^h 32 | 15 ^h 52 | 23 ^h 43 | 12 ^h 44 | 25 ^h 50 | 2 ^h 34 | 11 ^h 56 | 9 ^h 46 | 17 ^h 55 | 18 ^h 5 | 8 ^h 16 | 4 ^h 32 | |
| S 12 | 23 27 7 | 19 ^h 56'02" | 12 ^h 25 | 15 ^h 25 | 15 ^h 16 | 24 ^h 15 | 12 ^h 45 | 25 ^h 49 | 2 ^h 32 | 11 ^h 55 | 9 ^h 47 | 17 ^h 50 | 18 ^h 2 | 8 ^h 22 | 4 ^h 30 | |
| S 13 | 23 31 3 | 20 ^h 54'37" | 26 ^h 41 | 17 ^h 18 | 14 ^h 40 | 24 ^h 47 | 12 ^h 45 | 25 ^h 49 | 2 ^h 29 | 11 ^h 54 | 9 ^h 48 | 17 ^h 47 | 17 ^h 59 | 8 ^h 29 | 4 ^h 27 | |
| M 14 | 23 35 0 | 21 ^h 53'14" | 10 ^h 53 | 19 ^h 10 | 14 ^h 5 | 25 ^h 19 | 12 ^h 47 | 25 ^h 48 | 2 ^h 27 | 11 ^h 53 | 9 ^h 48 | 17 ^h 46 | 17 ^h 56 | 8 ^h 36 | 4 ^h 24 | |
| T 15 | 23 38 56 | 22 ^h 51'53" | 24 ^h 59 | 21 ^h 1 | 13 ^h 31 | 25 ^h 50 | 12 ^h 48 | 25 ^h 47 | 2 ^h 25 | 11 ^h 52 | 9 ^h 49 | 17 ^h 46 | 17 ^h 53 | 8 ^h 42 | 4 ^h 22 | |
| W 16 | 23 42 53 | 23 ^h 50'34" | 9 ^h 30 | 22 ^h 52 | 12 ^h 59 | 26 ^h 21 | 12 ^h 49 | 25 ^h 46 | 2 ^h 22 | 11 ^h 51 | 9 ^h 49 | 17 ^h 45 | 17 ^h 50 | 8 ^h 49 | 4 ^h 19 | |
| T 17 | 23 46 50 | 24 ^h 49'16" | 22 ^h 53 | 24 ^h 41 | 12 ^h 28 | 26 ^h 52 | 12 ^h 51 | 25 ^h 45 | 2 ^h 20 | 11 ^h 50 | 9 ^h 50 | 17 ^h 43 | 17 ^h 46 | 8 ^h 56 | 4 ^h 16 | |
| F 18 | 23 50 46 | 25 ^h 48'00" | 6 ^h 39 | 26 ^h 30 | 11 ^h 58 | 27 ^h 23 | 12 ^h 53 | 25 ^h 44 | 2 ^h 17 | 11 ^h 48 | 9 ^h 50 | 17 ^h 38 | 17 ^h 43 | 9 ^h 2 | 4 ^h 13 | |
| S 19 | 23 54 43 | 26 ^h 46'45" | 20 ^h 17 | 28 ^h 18 | 11 ^h 31 | 27 ^h 53 | 12 ^h 55 | 25 ^h 43 | 2 ^h 15 | 11 ^h 47 | 9 ^h 51 | 17 ^h 31 | 17 ^h 40 | 9 ^h 9 | 4 ^h 11 | |
| S 20 | 23 58 39 | 27 ^h 45'33" | 3 ^h 45 | 0 ^h 5 | 11 ^h 5 | 28 ^h 23 | 12 ^h 57 | 25 ^h 41 | 2 ^h 13 | 11 ^h 46 | 9 ^h 51 | 17 ^h 20 | 17 ^h 37 | 9 ^h 15 | 4 ^h 8 | |
| M 21 | 0 2 36 | 28 ^h 44'22" | 17 ^h 1 | 1 ^h 51 | 10 ^h 42 | 28 ^h 53 | 12 ^h 59 | 25 ^h 40 | 2 ^h 10 | 11 ^h 45 | 9 ^h 52 | 17 ^h 8 | 17 ^h 34 | 9 ^h 22 | 4 ^h 5 | |
| T 22 | 0 6 32 | 29 ^h 43'13" | 0 ^h Y 3 | 3 ^h 36 | 10 ^h 20 | 29 ^h 23 | 13 ^h 2 | 25 ^h 38 | 2 ^h 8 | 11 ^h 44 | 9 ^h 52 | 16 ^h 56 | 17 ^h 30 | 9 ^h 29 | 4 ^h 2 | |
| W 23 | 0 10 29 | 0 ^h 42'06" | 12 ^h 49 | 5 ^h 20 | 10 ^h 1 | 29 ^h 52 | 13 ^h 5 | 25 ^h 36 | 2 ^h 5 | 11 ^h 44 | 9 ^h 53 | 16 ^h 43 | 17 ^h 27 | 9 ^h 35 | 3 ^h 59 | |
| T 24 | 0 14 25 | 1 ^h 41'02" | 25 ^h 21 | 7 ^h 3 | 9 ^h 44 | 0 ^h 21 | 13 ^h 8 | 25 ^h 35 | 2 ^h 3 | 11 ^h 43 | 9 ^h 53 | 16 ^h 33 | 17 ^h 24 | 9 ^h 42 | 3 ^h 57 | |
| F 25 | 0 18 22 | 2 ^h 39'59" | 7 ^h 37 | 8 ^h 45 | 9 ^h 30 | 0 ^h 50 | 13 ^h 11 | 25 ^h 33 | 2 ^h 1 | 11 ^h 42 | 9 ^h 53 | 16 ^h 24 | 17 ^h 21 | 9 ^h 49 | 3 ^h 54 | |
| S 26 | 0 22 19 | 3 ^h 38'59" | 19 ^h 41 | 10 ^h 27 | 9 ^h 18 | 1 ^h 18 | 13 ^h 14 | 25 ^h 31 | 1 ^h 58 | 11 ^h 41 | 9 ^h 54 | 16 ^h 19 | 17 ^h 18 | 9 ^h 55 | 3 ^h 51 | |
| S 27 | 0 26 15 | 4 ^h 38'01" | 1 ^h II 35 | 12 ^h 8 | 9 ^h 9 | 1 ^h 46 | 13 ^h 18 | 25 ^h 29 | 1 ^h 56 | 11 ^h 40 | 9 ^h 54 | 16 ^h 16 | 17 ^h 15 | 10 ^h 2 | 3 ^h 48 | |
| M 28 | 0 30 12 | 5 ^h 37'05" | 13 ^h 23 | 13 ^h 47 | 9 ^h 2 | 2 ^h 14 | 13 ^h 22 | 25 ^h 27 | 1 ^h 53 | 11 ^h 39 | 9 ^h 54 | 16 ^h D14 | 17 ^h 11 | 10 ^h 9 | 3 ^h 45 | |
| T 29 | 0 34 8 | 6 ^h 36'12" | 25 ^h 10 | 15 ^h 26 | 8 ^h 57 | 2 ^h 42 | 13 ^h 25 | 25 ^h 24 | 1 ^h 51 | 11 ^h 38 | 9 ^h 55 | 16 ^h 15 | 17 ^h 8 | 10 ^h 15 | 3 ^h 43 | |
| W 30 | 0 38 5 | 7 ^h 35'21" | 7 ^h 2 | 17 ^h 4 | 8 ^h D55 | 3 ^h 29 | 13 ^h 29 | 25 ^h 22 | 1 ^h Y49 | 11 ^h 38 | 9 ^h 55 | 16 ^h R15 | 17 ^h 7 | 10 ^h II 22 | 3 ^h Y40 | |

Delta T = 17.48 sec.

Greg. Calendar

OCTOBER 1676GC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|------------------------|---------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|-----------------------|--------------------|---|
| T 1 | 0 42 1 | 8 ^h 34'32" | 19 ^h 24 | 18 ^h 42 | 8 ^h 56 | 3 ^h 35 | 13 ^h 34 | 25 ^h R19 | 1 ^h R46 | 11 ^h R37 | 9 ^h 55 | 16 ^h R14 | 17 ^h 7 | 10 ^h II 29 | 3 ^h R37 | |
| F 2 | 0 45 58 | 9 ^h 33'45" | 1 ^h 21 | 20 ^h 18 | 8 ^h 58 | 4 ^h 2 | 13 ^h 38 | 25 ^h 17 | 1 ^h Y44 | 11 ^h 36 | 9 ^h 55 | 16 ^h 7 | 16 ^h 59 | 10 ^h 35 | 3 ^h Y34 | |
| S 3 | 0 49 54 | 10 ^h 33'01" | 13 ^h 58 | 21 ^h 54 | 9 ^h 3 | 4 ^h 28 | 13 ^h 43 | 25 ^h 14 | 1 ^h 41 | 11 ^h 36 | 9 ^h 55 | 16 ^h 8 | 16 ^h 55 | 10 ^h 42 | 3 ^h 32 | |
| S 4 | 0 53 51 | 11 ^h 32'19" | 26 ^h 59 | 23 ^h 29 | 9 ^h 11 | 4 ^h 54 | 13 ^h 47 | 25 ^h 11 | 1 ^h 39 | 11 ^h 35 | 9 ^h 56 | 16 ^h 1 | 16 ^h 52 | 10 ^h 48 | 3 ^h 29 | |
| M 5 | 0 57 47 | 12 ^h 31'40" | 10 ^h 26 | 25 ^h 3 | 9 ^h 20 | 5 ^h 19 | 13 ^h 52 | 25 ^h 9 | 1 ^h 37 | 11 ^h 34 | 9 ^h 56 | 15 ^h 52 | 16 ^h 49 | 10 ^h 55 | 3 ^h 26 | |
| T 6 | 1 1 44 | 13 ^h 31'02" | 24 ^h 17 | 26 ^h 37 | 9 ^h 32 | 5 ^h 44 | 13 ^h 58 | 25 ^h 6 | 1 ^h 34 | 11 ^h 34 | 9 ^h 56 | 15 ^h 41 | 16 ^h 46 | 11 ^h 2 | 3 ^h 23 | |
| W 7 | 1 5 41 | 14 ^h 30'27" | 8 ^h 30 | 28 ^h 10 | 9 ^h 46 | 6 ^h 9 | 14 ^h 3 | 25 ^h 3 | 1 ^h 32 | 11 ^h 33 | 9 ^h 56 | 15 ^h 31 | 16 ^h 43 | 11 ^h 8 | 3 ^h 20 | |
| T 8 | 1 9 37 | 15 ^h 29'54" | 23 ^h 0 | 29 ^h 42 | 10 ^h 2 | 6 ^h 33 | 14 ^h 8 | 24 ^h 59 | 1 ^h 30 | 11 ^h 33 | 9 ^h 56 | 15 ^h 22 | 16 ^h 40 | 11 ^h 15 | 3 ^h 18 | |
| F 9 | 1 13 34 | 16 ^h 29'23" | 7 ^h 14 | 1 ^h 13 | 10 ^h 20 | 6 ^h 57 | 14 ^h 14 | 24 ^h 56 | 1 ^h 27 | 11 ^h 32 | 9 ^h 56 | 15 ^h 15 | 16 ^h 36 | 11 ^h 22 | 3 ^h 15 | |
| S 10 | 1 17 30 | 17 ^h 28'53" | 22 ^h 23 | 2 ^h 44 | 10 ^h 39 | 7 ^h 20 | 14 ^h 20 | 24 ^h 53 | 1 ^h 25 | 11 ^h 32 | 9 ^h R56 | 15 ^h 10 | 16 ^h 33 | 11 ^h 28 | 3 ^h 12 | |
| S 11 | 1 21 27 | 18 ^h 28'26" | 7 ^h 7 | 4 ^h 14 | 11 ^h 1 | 7 ^h 43 | 14 ^h 26 | 24 ^h 50 | 1 ^h 23 | 11 ^h 31 | 9 ^h 56 | 15 ^h 8 | 16 ^h 30 | 11 ^h 35 | 3 ^h 10 | |
| M 12 | 1 25 23 | 19 ^h 28'01" | 21 ^h 30 | 5 ^h 43 | 11 ^h 24 | 8 ^h 6 | 14 ^h 32 | 24 ^h 46 | 1 ^h 20 | 11 ^h 31 | 9 ^h 56 | 15 ^h D 8 | 16 ^h 27 | 11 ^h 42 | 3 ^h 7 | |
| T 13 | 1 29 20 | 20 ^h 27'37" | 5 ^h 35 | 7 ^h 12 | 11 ^h 50 | 8 ^h 28 | 14 ^h 38 | 24 ^h 43 | 1 ^h 18 | 11 ^h 31 | 9 ^h 56 | 15 ^h 9 | 16 ^h 24 | 11 ^h 48 | 3 ^h 4 | |
| W 14 | 1 33 16 | 21 ^h 27'15" | 19 ^h 47 | 8 ^h 40 | 12 ^h 17 | 8 ^h 49 | 14 ^h 45 | 24 ^h 39 | 1 ^h 16 | 11 ^h 30 | 9 ^h 56 | 15 ^h R10 | 16 ^h 21 | 11 ^h 55 | 3 ^h 2 | |
| T 15 | 1 37 13 | 22 ^h 26'55" | 3 ^h 34 | 10 ^h 7 | 12 ^h 45 | 9 ^h 10 | 14 ^h 51 | 24 ^h 35 | 1 ^h 14 | 11 ^h 30 | 9 ^h 56 | 15 ^h 9 | 16 ^h 17 | 12 ^h 2 | 2 ^h 59 | |
| F 16 | 1 41 10 | 23 ^h 26'36" | 17 ^h 6 | 11 ^h 34 | 13 ^h 15 | 9 ^h 31 | 14 ^h 58 | 24 ^h 31 | 1 ^h 11 | 11 ^h 30 | 9 ^h 56 | 15 ^h 7 | 16 ^h 14 | 12 ^h 8 | 2 ^h 57 | |
| S 17 | 1 45 6 | 24 ^h 26'20" | 0 ^h X 25 | 13 ^h 0 | 13 ^h 47 | 9 ^h 51 | 15 ^h 5 | 24 ^h 28 | 1 ^h 9 | 11 ^h 30 | 9 ^h 55 | 15 ^h 2 | 16 ^h 11 | 12 ^h 15 | 2 ^h 54 | |
| S 18 | 1 49 3 | 25 ^h 26'04" | 13 ^h 31 | 14 ^h 25 | 14 ^h 20 | 10 ^h 11 | 15 ^h 12 | 24 ^h 24 | 1 ^h 7 | | | | | | | |

SWISS EPHEMERIS for the year 1676

NOVEMBER 1676GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|-------|-------|
| S 1 | 2 44 14 | 9♍25'59 | 4♎57 | 2♌21 | 24♎12 | 13♏52 | 17♏ 6 | 23°R23 | 0°R40 | 11♏31 | 9°R50 | 14°R12 | 15♌23 | 13♏55 | 2°R19 |
| M 2 | 2 48 11 | 10°26'14 | 18°21 | 3°25 | 25° 2 | 14° 3 | 17°15 | 23♌18 | 0°Y38 | 11°31 | 9♏50 | 14♌ 8 | 15°20 | 14° 1 | 2°Y17 |
| T 3 | 2 52 8 | 11°26'31 | 2♌14 | 4°26 | 25°53 | 14°14 | 17°24 | 23°13 | 0°37 | 11°31 | 9°49 | 14° 3 | 15°17 | 14° 8 | 2°15 |
| W 4 | 2 56 4 | 12°26'50 | 16°33 | 5°23 | 26°44 | 14°24 | 17°34 | 23° 9 | 0°35 | 11°32 | 9°48 | 13°58 | 15°14 | 14°14 | 2°13 |
| T 5 | 3 0 1 | 13°27'11 | 1♍14 | 6°18 | 27°36 | 14°33 | 17°43 | 23° 4 | 0°33 | 11°32 | 9°48 | 13°54 | 15°11 | 14°21 | 2°11 |
| F 6 | 3 3 57 | 14°27'34 | 16°11 | 7° 8 | 28°29 | 14°42 | 17°53 | 22°59 | 0°32 | 11°33 | 9°47 | 13°50 | 15° 7 | 14°28 | 2° 9 |
| S 7 | 3 7 54 | 15°27'59 | 1♌15 | 7°53 | 29°23 | 14°49 | 18° 3 | 22°54 | 0°30 | 11°33 | 9°47 | 13°48 | 15° 4 | 14°34 | 2° 7 |
| S 8 | 3 11 50 | 16°28'25 | 16°16 | 8°34 | 0♌17 | 14°57 | 18°13 | 22°49 | 0°29 | 11°34 | 9°46 | 13°D48 | 15° 1 | 14°41 | 2° 5 |
| M 9 | 3 15 47 | 17°28'53 | 1♌ 8 | 9° 8 | 1°12 | 15° 3 | 18°23 | 22°44 | 0°27 | 11°34 | 9°45 | 13°49 | 14°58 | 14°48 | 2° 4 |
| T 10 | 3 19 43 | 18°29'22 | 15°43 | 9°36 | 2° 7 | 15° 8 | 18°33 | 22°39 | 0°26 | 11°35 | 9°45 | 13°50 | 14°55 | 14°54 | 2° 2 |
| W11 | 3 23 40 | 19°29'52 | 29°57 | 9°58 | 3° 3 | 15°13 | 18°43 | 22°35 | 0°25 | 11°35 | 9°44 | 13°52 | 14°52 | 15° 1 | 2° 0 |
| T 12 | 3 27 37 | 20°30'24 | 13♏50 | 10°11 | 4° 0 | 15°17 | 18°53 | 22°30 | 0°23 | 11°36 | 9°43 | 13°52 | 14°48 | 15° 8 | 1°59 |
| F 13 | 3 31 33 | 21°30'57 | 27°21 | 10°R15 | 4°57 | 15°20 | 19° 4 | 22°25 | 0°22 | 11°37 | 9°42 | 13°R53 | 14°45 | 15°14 | 1°57 |
| S 14 | 3 35 30 | 22°31'31 | 10♌32 | 10°11 | 5°55 | 15°23 | 19°14 | 22°20 | 0°21 | 11°38 | 9°42 | 13°51 | 14°42 | 15°21 | 1°55 |
| S 15 | 3 39 26 | 23°32'06 | 23°25 | 9°56 | 6°53 | 15°25 | 19°25 | 22°15 | 0°20 | 11°38 | 9°41 | 13°49 | 14°39 | 15°28 | 1°54 |
| M16 | 3 43 23 | 24°32'43 | 6°Y 2 | 9°31 | 7°52 | 15°25 | 19°36 | 22°10 | 0°19 | 11°39 | 9°40 | 13°47 | 14°36 | 15°34 | 1°52 |
| T 17 | 3 47 19 | 25°33'20 | 18°26 | 8°55 | 8°51 | 15°R25 | 19°47 | 22° 5 | 0°18 | 11°40 | 9°39 | 13°44 | 14°32 | 15°41 | 1°51 |
| W18 | 3 51 16 | 26°33'59 | 0♌39 | 8° 9 | 9°51 | 15°25 | 19°58 | 22° 0 | 0°16 | 11°41 | 9°38 | 13°41 | 14°29 | 15°47 | 1°50 |
| T 19 | 3 55 12 | 27°34'40 | 12°43 | 7°12 | 10°51 | 15°23 | 20° 9 | 21°55 | 0°15 | 11°42 | 9°37 | 13°38 | 14°26 | 15°54 | 1°48 |
| F 20 | 3 59 9 | 28°35'22 | 24°39 | 6° 7 | 11°52 | 15°21 | 20°20 | 21°50 | 0°15 | 11°43 | 9°37 | 13°37 | 14°23 | 16° 1 | 1°47 |
| S 21 | 4 3 6 | 29°36'05 | 6♏31 | 4°54 | 12°53 | 15°17 | 20°31 | 21°46 | 0°14 | 11°44 | 9°36 | 13°36 | 14°20 | 16° 7 | 1°46 |
| S 22 | 4 7 2 | 0♌36'49 | 18°19 | 3°35 | 13°54 | 15°13 | 20°42 | 21°41 | 0°13 | 11°45 | 9°35 | 13°D36 | 14°17 | 16°14 | 1°45 |
| M23 | 4 10 59 | 1°37'35 | 0♏ 6 | 2°13 | 14°56 | 15° 8 | 20°54 | 21°36 | 0°12 | 11°46 | 9°34 | 13°36 | 14°13 | 16°21 | 1°44 |
| T 24 | 4 14 55 | 2°38'22 | 11°55 | 0°51 | 15°59 | 15° 2 | 21° 5 | 21°31 | 0°11 | 11°47 | 9°33 | 13°37 | 14°10 | 16°27 | 1°43 |
| W25 | 4 18 52 | 3°39'11 | 23°48 | 29♍31 | 17° 1 | 14°56 | 21°17 | 21°26 | 0°11 | 11°48 | 9°32 | 13°38 | 14° 7 | 16°34 | 1°42 |
| T 26 | 4 22 48 | 4°40'01 | 5♏50 | 28°16 | 18° 4 | 14°48 | 21°29 | 21°22 | 0°10 | 11°49 | 9°31 | 13°39 | 14° 4 | 16°41 | 1°41 |
| F 27 | 4 26 45 | 5°40'52 | 18° 4 | 27° 8 | 19° 8 | 14°40 | 21°41 | 21°17 | 0° 9 | 11°50 | 9°30 | 13°40 | 14° 1 | 16°47 | 1°40 |
| S 28 | 4 30 41 | 6°41'45 | 0♎35 | 26° 9 | 20°12 | 14°30 | 21°52 | 21°12 | 0° 9 | 11°51 | 9°29 | 13°41 | 13°58 | 16°54 | 1°39 |
| S 29 | 4 34 38 | 7°42'39 | 13°26 | 25°21 | 21°16 | 14°20 | 22° 4 | 21° 8 | 0° 8 | 11°52 | 9°28 | 13°R41 | 13°54 | 17° 1 | 1°38 |
| M30 | 4 38 35 | 8♌43'34 | 26♎42 | 24♍44 | 22♏20 | 14♏ 9 | 22♌17 | 21♌ 3 | 0°Y 8 | 11♏54 | 9♏27 | 13♌40 | 13♌51 | 17♏ 7 | 1°Y38 |

Delta T = 17.31 sec.

Greg. Calendar

DECEMBER 1676GC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|-------|-------|
| T 1 | 4 42 31 | 9♌44'31 | 10♌24 | 24°R19 | 23♏25 | 13°R57 | 22♌29 | 20°R59 | 0°R 7 | 11♏55 | 9°R26 | 13°R40 | 13♌48 | 17♏14 | 1°R37 |
| W 2 | 4 46 28 | 10°45'29 | 24°34 | 24♍ 5 | 24°30 | 13♏45 | 22°41 | 20♌54 | 0°Y 7 | 11°56 | 9♏25 | 13♌40 | 13°45 | 17°21 | 1°Y36 |
| T 3 | 4 50 24 | 11°46'29 | 9♍ 9 | 24°D 2 | 25°35 | 13°31 | 22°53 | 20°50 | 0° 7 | 11°58 | 9°24 | 13°39 | 13°42 | 17°27 | 1°36 |
| F 4 | 4 54 21 | 12°47'29 | 24° 5 | 24° 9 | 26°41 | 13°17 | 23° 6 | 20°45 | 0° 6 | 11°59 | 9°23 | 13°39 | 13°38 | 17°34 | 1°35 |
| S 5 | 4 58 17 | 13°48'31 | 9♌15 | 24°25 | 27°47 | 13° 2 | 23°18 | 20°41 | 0° 6 | 12° 0 | 9°21 | 13°39 | 13°35 | 17°40 | 1°35 |
| S 6 | 5 2 14 | 14°49'33 | 24°29 | 24°50 | 28°53 | 12°46 | 23°31 | 20°37 | 0° 6 | 12° 2 | 9°20 | 13°39 | 13°32 | 17°47 | 1°35 |
| M 7 | 5 6 10 | 15°50'36 | 9♌38 | 25°23 | 29°59 | 12°29 | 23°43 | 20°33 | 0° 6 | 12° 3 | 9°19 | 13°39 | 13°29 | 17°54 | 1°34 |
| T 8 | 5 10 7 | 16°51'40 | 24°32 | 26° 2 | 1♍ 6 | 12°12 | 23°56 | 20°28 | 0° 6 | 12° 5 | 9°18 | 13°39 | 13°26 | 18° 0 | 1°34 |
| W 9 | 5 14 4 | 17°52'45 | 9♏ 4 | 26°48 | 2°12 | 11°54 | 24° 9 | 20°24 | 0°D 6 | 12° 6 | 9°17 | 13°38 | 13°23 | 18° 7 | 1°34 |
| T 10 | 5 18 0 | 18°53'50 | 23°12 | 27°40 | 3°20 | 11°35 | 24°21 | 20°20 | 0° 6 | 12° 8 | 9°16 | 13°38 | 13°19 | 18°14 | 1°34 |
| F 11 | 5 21 57 | 19°54'55 | 6♌52 | 28°36 | 4°27 | 11°16 | 24°34 | 20°16 | 0° 6 | 12° 9 | 9°15 | 13°37 | 13°16 | 18°20 | 1°34 |
| S 12 | 5 25 53 | 20°56'00 | 20° 6 | 29°36 | 5°34 | 10°56 | 24°47 | 20°13 | 0° 6 | 12°11 | 9°13 | 13°D37 | 13°13 | 18°27 | 1°D34 |
| S 13 | 5 29 50 | 21°57'06 | 2°Y56 | 0♌40 | 6°42 | 10°36 | 25° 0 | 20° 9 | 0° 6 | 12°12 | 9°12 | 13°37 | 13°10 | 18°34 | 1°34 |
| M14 | 5 33 46 | 22°58'12 | 15°27 | 1°47 | 7°50 | 10°15 | 25°13 | 20° 5 | 0° 7 | 12°14 | 9°11 | 13°38 | 13° 7 | 18°40 | 1°34 |
| T 15 | 5 37 43 | 23°59'19 | 27°41 | 2°57 | 8°58 | 9°53 | 25°26 | 20° 1 | 0° 7 | 12°16 | 9°10 | 13°39 | 13° 4 | 18°47 | 1°34 |
| W16 | 5 41 39 | 25° 0'25 | 9♌44 | 4° 9 | 10° 6 | 9°31 | 25°39 | 19°58 | 0° 7 | 12°17 | 9° 9 | 13°40 | 13° 0 | 18°54 | 1°34 |
| T 17 | 5 45 36 | 26° 1'33 | 21°39 | 5°24 | 11°15 | 9° 9 | 25°53 | 19°54 | 0° 8 | 12°19 | 9° 7 | 13°41 | 12°57 | 19° 0 | 1°34 |
| F 18 | 5 49 33 | 27° 2'40 | 3♏28 | 6°40 | 12°23 | 8°46 | 26° 6 | 19°51 | 0° 8 | 12°21 | 9° 6 | 13°42 | 12°54 | 19° 7 | 1°35 |
| S 19 | 5 53 29 | 28° 3'48 | 15°16 | 7°59 | 13°32 | 8°23 | 26°19 | 19°48 | 0° 9 | 12°22 | 9° 5 | 13°R42 | 12°51 | 19°13 | 1°35 |
| S 20 | 5 57 26 | 29° 4'56 | 27° 4 | 9°18 | 14°41 | 8° 0 | 26°33 | 19°44 | 0° 9 | 12°24 | 9° 4 | 13°42 | 12°48 | 19°20 | 1°36 |
| M21 | 6 1 22 | 0♌ 6'04 | 8♏54 | 10°39 | 15°50 | 7°37 | 26°46 | 19°41 | 0°10 | 12°26 | 9° 3 | 13°40 | 12°44 | 19°27 | 1°36 |
| T 22 | 6 5 19 | 1° 7'13 | 20°49 | 12° 1 | 16°59 | 7°13 | 26°59 | 19°38 | 0°11 | 12°28 | 9° 1 | 13°38 | 12°41 | 19°33 | 1°37 |
| W23 | 6 9 15 | 2° 8'22 | 2♏51 | 13°25 | 18° 9 | 6°49 | 27°13 | 19°35 | 0°11 | 12°30 | 9° 0 | 13°35 | 12°38 | 19°40 | 1°37 |
| T 24 | 6 13 12 | 3° 9'31 | 15° 1 | 14°49 | 19°19 | 6°25 | 27°26 | 19°32 | 0°12 | 12°31 | 8°59 | 13°32 | 12°35 | 19°47 | 1°38 |
| F 25 | 6 17 9 | 4°10'40 | 27°22 | 16°14 | 20°28 | 6° 1 | 27°40 | 19°30 | 0°13 | 12°33 | 8°58 | 13°29 | 12°32 | 19°53 | 1°39 |
| S 26 | 6 21 5 | 5°11'50 | 9♎56 | 17°40 | 21°38 | 5°38 | 27°54 | 19°27 | 0°14 | 12°35 | 8°56 | 13°26 | 12°29 | 20° 0 | 1°39 |
| S 27 | 6 25 2 | 6°13'00 | 22°47 | 19° 6 | 22°48 | 5°14 | 28° 7 | 19°24 | 0°15 | 12°37 | 8°55 | 13°24 | 12°25 | 20° 7 | 1°40 |
| M28 | 6 28 58 | 7°14'11 | 5♏56 | 20°33 | 23°58 | 4°50 | 28°21 | 19°22 | 0°16 | 12°39 | 8°54 | 13°D24 | 12°22 | 20°13 | 1°41 |
| T 29 | 6 32 55 | 8°15'22 | 19°27 | 22° 1 | 25° 9 | 4°26 | 28°35 | 19°19 | 0°17 | 12°41 | 8°53 | 13°24 | 12°19 | 20°20 | 1°42 |
| W30 | 6 36 51 | 9°16'33 | 3♍21 | 23°29 | 26°19 | 4° 3 | 28°49 | 19°17 | 0°18 | 12°43 | 8°51 | 13°25 | 12°16 | 20°27 | 1°43 |
| T 31 | 6 40 48 | 10♌17'44 | 17♍38 | 24♌58 | 27♍30 | 3♏40 | 29♌ 2 | 19♌15 | 0°Y19 | 12♏45 | 8♏50 | 13♌27 | 12♌13 | 20♏33 | 1°Y44 |

Delta T = 17.23 sec.

Greg. Calendar

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