

SWISS EPHEMERIS for the year 1754
heliocentric

JANUARY 1754

00:00 UT

| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♃ |
|------|---------|-----------------------|--------------------|--------------------|---------------------|---------------------|---------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| T 1 | 6 42 10 | 10 ⁵ 36'27 | 10 ⁵ 27 | 12 ² 51 | 18 ¹¹ 44 | 18 ¹¹ 19 | 10 ¹⁰ 28 | 8 ³ 36 | 6 ⁴ 44 | 4 ⁰ 59 | 11 ¹ 34 | 21 ¹ 35 |
| W 2 | 6 46 7 | 11 ⁰ 37'37 | 11 ⁰ 28 | 18 ⁰ 9 | 20 ⁰ 20 | 18 ⁰ 49 | 10 ⁰ 33 | 8 ⁰ 38 | 6 ⁰ 44 | 5 ⁰ 0 | 11 ⁰ 34 | 21 ⁰ 36 |
| T 3 | 6 50 3 | 12 ⁰ 38'47 | 12 ⁰ 30 | 23 ⁰ 17 | 21 ⁰ 56 | 19 ⁰ 19 | 10 ⁰ 37 | 8 ⁰ 40 | 6 ⁰ 45 | 5 ⁰ 0 | 11 ⁰ 34 | 21 ⁰ 38 |
| F 4 | 6 54 0 | 13 ⁰ 39'56 | 13 ⁰ 32 | 28 ⁰ 15 | 23 ⁰ 31 | 19 ⁰ 49 | 10 ⁰ 42 | 8 ⁰ 42 | 6 ⁰ 46 | 5 ⁰ 1 | 11 ⁰ 35 | 21 ⁰ 40 |
| S 5 | 6 57 56 | 14 ⁰ 41'05 | 14 ⁰ 34 | 3 ¹¹ 4 | 25 ⁰ 7 | 20 ⁰ 19 | 10 ⁰ 47 | 8 ⁰ 44 | 6 ⁰ 46 | 5 ⁰ 1 | 11 ⁰ 35 | 21 ⁰ 42 |
| S 6 | 7 1 53 | 15 ⁰ 42'13 | 15 ⁰ 36 | 7 ⁰ 43 | 26 ⁰ 43 | 20 ⁰ 49 | 10 ⁰ 52 | 8 ⁰ 45 | 6 ⁰ 47 | 5 ⁰ 1 | 11 ⁰ 35 | 21 ⁰ 43 |
| M 7 | 7 5 49 | 16 ⁰ 43'21 | 16 ⁰ 39 | 12 ⁰ 14 | 28 ⁰ 18 | 21 ⁰ 19 | 10 ⁰ 56 | 8 ⁰ 47 | 6 ⁰ 48 | 5 ⁰ 2 | 11 ⁰ 36 | 21 ⁰ 45 |
| T 8 | 7 9 46 | 17 ⁰ 44'29 | 17 ⁰ 42 | 16 ⁰ 35 | 29 ⁰ 54 | 21 ⁰ 49 | 11 ⁰ 1 | 8 ⁰ 49 | 6 ⁰ 48 | 5 ⁰ 2 | 11 ⁰ 36 | 21 ⁰ 47 |
| W 9 | 7 13 43 | 18 ⁰ 45'36 | 18 ⁰ 45 | 20 ⁰ 49 | 1 ¹¹ 29 | 22 ⁰ 19 | 11 ⁰ 6 | 8 ⁰ 51 | 6 ⁰ 49 | 5 ⁰ 2 | 11 ⁰ 37 | 21 ⁰ 49 |
| T 10 | 7 17 39 | 19 ⁰ 46'43 | 19 ⁰ 49 | 24 ⁰ 55 | 3 ⁰ 5 | 22 ⁰ 48 | 11 ⁰ 11 | 8 ⁰ 53 | 6 ⁰ 50 | 5 ⁰ 3 | 11 ⁰ 37 | 21 ⁰ 50 |
| F 11 | 7 21 36 | 20 ⁰ 47'49 | 20 ⁰ 52 | 28 ⁰ 53 | 4 ⁰ 40 | 23 ⁰ 18 | 11 ⁰ 16 | 8 ⁰ 54 | 6 ⁰ 50 | 5 ⁰ 3 | 11 ⁰ 37 | 21 ⁰ 52 |
| S 12 | 7 25 32 | 21 ⁰ 48'55 | 21 ⁰ 54 | 2 ¹¹ 45 | 6 ⁰ 15 | 23 ⁰ 48 | 11 ⁰ 20 | 8 ⁰ 56 | 6 ⁰ 51 | 5 ⁰ 3 | 11 ⁰ 38 | 21 ⁰ 54 |
| S 13 | 7 29 29 | 22 ⁰ 50'00 | 22 ⁰ 57 | 6 ⁰ 30 | 7 ⁰ 51 | 24 ⁰ 17 | 11 ⁰ 25 | 8 ⁰ 58 | 6 ⁰ 52 | 5 ⁰ 4 | 11 ⁰ 38 | 21 ⁰ 56 |
| M 14 | 7 33 25 | 23 ⁰ 51'06 | 23 ⁰ 59 | 10 ⁰ 8 | 9 ⁰ 26 | 24 ⁰ 47 | 11 ⁰ 30 | 9 ⁰ 0 | 6 ⁰ 52 | 5 ⁰ 4 | 11 ⁰ 39 | 21 ⁰ 57 |
| T 15 | 7 37 22 | 24 ⁰ 52'11 | 25 ⁰ 1 | 13 ⁰ 42 | 11 ⁰ 1 | 25 ⁰ 16 | 11 ⁰ 35 | 9 ⁰ 2 | 6 ⁰ 53 | 5 ⁰ 5 | 11 ⁰ 39 | 21 ⁰ 59 |
| W 16 | 7 41 18 | 25 ⁰ 53'16 | 26 ⁰ 2 | 17 ⁰ 9 | 12 ⁰ 37 | 25 ⁰ 46 | 11 ⁰ 39 | 9 ⁰ 3 | 6 ⁰ 54 | 5 ⁰ 5 | 11 ⁰ 39 | 22 ⁰ 1 |
| T 17 | 7 45 15 | 26 ⁰ 54'20 | 27 ⁰ 3 | 20 ⁰ 32 | 14 ⁰ 12 | 26 ⁰ 15 | 11 ⁰ 44 | 9 ⁰ 5 | 6 ⁰ 54 | 5 ⁰ 5 | 11 ⁰ 40 | 22 ⁰ 3 |
| F 18 | 7 49 12 | 27 ⁰ 55'24 | 28 ⁰ 3 | 23 ⁰ 51 | 15 ⁰ 47 | 26 ⁰ 45 | 11 ⁰ 49 | 9 ⁰ 7 | 6 ⁰ 55 | 5 ⁰ 6 | 11 ⁰ 40 | 22 ⁰ 4 |
| S 19 | 7 53 8 | 28 ⁰ 56'28 | 29 ⁰ 3 | 27 ⁰ 5 | 17 ⁰ 22 | 27 ⁰ 14 | 11 ⁰ 54 | 9 ⁰ 9 | 6 ⁰ 55 | 5 ⁰ 6 | 11 ⁰ 40 | 22 ⁰ 6 |
| S 20 | 7 57 5 | 29 ⁰ 57'31 | 0 ⁰ 3 | 0 ¹¹ 15 | 18 ⁰ 57 | 27 ⁰ 43 | 11 ⁰ 58 | 9 ⁰ 11 | 6 ⁰ 56 | 5 ⁰ 6 | 11 ⁰ 41 | 22 ⁰ 8 |
| M 21 | 8 1 1 | 0 ¹¹ 58'34 | 1 ⁰ 3 | 3 ⁰ 22 | 20 ⁰ 32 | 28 ⁰ 13 | 12 ⁰ 3 | 9 ⁰ 12 | 6 ⁰ 57 | 5 ⁰ 7 | 11 ⁰ 41 | 22 ⁰ 10 |
| T 22 | 8 4 58 | 1 ⁰ 59'36 | 2 ⁰ 2 | 6 ⁰ 25 | 22 ⁰ 7 | 28 ⁰ 42 | 12 ⁰ 8 | 9 ⁰ 14 | 6 ⁰ 57 | 5 ⁰ 7 | 11 ⁰ 42 | 22 ⁰ 11 |
| W 23 | 8 8 54 | 3 ⁰ 0'37 | 3 ⁰ 1 | 9 ⁰ 26 | 23 ⁰ 42 | 29 ⁰ 11 | 12 ⁰ 13 | 9 ⁰ 16 | 6 ⁰ 58 | 5 ⁰ 7 | 11 ⁰ 42 | 22 ⁰ 13 |
| T 24 | 8 12 51 | 4 ⁰ 1'38 | 4 ⁰ 1 | 12 ⁰ 24 | 25 ⁰ 17 | 29 ⁰ 40 | 12 ⁰ 17 | 9 ⁰ 18 | 6 ⁰ 59 | 5 ⁰ 8 | 11 ⁰ 42 | 22 ⁰ 15 |
| F 25 | 8 16 47 | 5 ⁰ 2'37 | 5 ⁰ 0 | 15 ⁰ 19 | 26 ⁰ 52 | 0 ¹¹ 9 | 12 ⁰ 22 | 9 ⁰ 20 | 6 ⁰ 59 | 5 ⁰ 8 | 11 ⁰ 43 | 22 ⁰ 17 |
| S 26 | 8 20 44 | 6 ⁰ 3'35 | 5 ⁰ 59 | 18 ⁰ 12 | 28 ⁰ 27 | 0 ⁰ 38 | 12 ⁰ 27 | 9 ⁰ 21 | 7 ⁰ 0 | 5 ⁰ 9 | 11 ⁰ 43 | 22 ⁰ 18 |
| S 27 | 8 24 41 | 7 ⁰ 4'32 | 6 ⁰ 59 | 21 ⁰ 4 | 0 ⁰ 2 | 1 ⁰ 7 | 12 ⁰ 32 | 9 ⁰ 23 | 7 ⁰ 1 | 5 ⁰ 9 | 11 ⁰ 44 | 22 ⁰ 20 |
| M 28 | 8 28 37 | 8 ⁰ 5'28 | 7 ⁰ 58 | 23 ⁰ 54 | 1 ⁰ 37 | 1 ⁰ 36 | 12 ⁰ 36 | 9 ⁰ 25 | 7 ⁰ 1 | 5 ⁰ 9 | 11 ⁰ 44 | 22 ⁰ 22 |
| T 29 | 8 32 34 | 9 ⁰ 6'23 | 8 ⁰ 58 | 26 ⁰ 42 | 3 ⁰ 12 | 2 ⁰ 5 | 12 ⁰ 41 | 9 ⁰ 27 | 7 ⁰ 2 | 5 ⁰ 10 | 11 ⁰ 44 | 22 ⁰ 24 |
| W 30 | 8 36 30 | 10 ⁰ 7'16 | 9 ⁰ 58 | 29 ⁰ 30 | 4 ⁰ 47 | 2 ⁰ 34 | 12 ⁰ 46 | 9 ⁰ 29 | 7 ⁰ 3 | 5 ⁰ 10 | 11 ⁰ 45 | 22 ⁰ 25 |
| T 31 | 8 40 27 | 11 ⁰ 8'08 | 10 ⁰ 59 | 2 ¹¹ 16 | 6 ⁰ 22 | 3 ⁰ 3 | 12 ⁰ 51 | 9 ⁰ 30 | 7 ⁰ 3 | 5 ⁰ 10 | 11 ⁰ 45 | 22 ⁰ 27 |

Delta T = 13.26 sec. Greg. Calendar

FEBRUARY 1754

00:00 UT

| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♃ |
|------|----------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|
| F 1 | 8 44 23 | 12 ⁰ 8'58 | 12 ⁰ 0 | 5 ¹¹ 2 | 7 ⁰ 57 | 3 ⁰ 32 | 12 ⁰ 55 | 9 ⁰ 32 | 7 ⁰ 4 | 5 ⁰ 11 | 11 ⁰ 45 | 22 ⁰ 29 |
| S 2 | 8 48 20 | 13 ⁰ 9'47 | 13 ⁰ 1 | 7 ⁰ 47 | 9 ⁰ 32 | 4 ⁰ 1 | 13 ⁰ 0 | 9 ⁰ 34 | 7 ⁰ 4 | 5 ⁰ 11 | 11 ⁰ 46 | 22 ⁰ 31 |
| S 3 | 8 52 16 | 14 ⁰ 10'35 | 14 ⁰ 3 | 10 ⁰ 31 | 11 ⁰ 7 | 4 ⁰ 29 | 13 ⁰ 5 | 9 ⁰ 36 | 7 ⁰ 5 | 5 ⁰ 11 | 11 ⁰ 46 | 22 ⁰ 32 |
| M 4 | 8 56 13 | 15 ⁰ 11'21 | 15 ⁰ 5 | 13 ⁰ 16 | 12 ⁰ 42 | 4 ⁰ 58 | 13 ⁰ 10 | 9 ⁰ 38 | 7 ⁰ 6 | 5 ⁰ 12 | 11 ⁰ 47 | 22 ⁰ 34 |
| T 5 | 9 0 10 | 16 ⁰ 12'06 | 16 ⁰ 7 | 16 ⁰ 1 | 14 ⁰ 16 | 5 ⁰ 27 | 13 ⁰ 14 | 9 ⁰ 39 | 7 ⁰ 6 | 5 ⁰ 12 | 11 ⁰ 47 | 22 ⁰ 36 |
| W 6 | 9 4 6 | 17 ⁰ 12'49 | 17 ⁰ 10 | 18 ⁰ 46 | 15 ⁰ 51 | 5 ⁰ 55 | 13 ⁰ 19 | 9 ⁰ 41 | 7 ⁰ 7 | 5 ⁰ 13 | 11 ⁰ 47 | 22 ⁰ 38 |
| T 7 | 9 8 3 | 18 ⁰ 13'31 | 18 ⁰ 12 | 21 ⁰ 31 | 17 ⁰ 26 | 6 ⁰ 24 | 13 ⁰ 24 | 9 ⁰ 43 | 7 ⁰ 8 | 5 ⁰ 13 | 11 ⁰ 48 | 22 ⁰ 39 |
| F 8 | 9 11 59 | 19 ⁰ 14'11 | 19 ⁰ 15 | 24 ⁰ 18 | 19 ⁰ 1 | 6 ⁰ 52 | 13 ⁰ 29 | 9 ⁰ 45 | 7 ⁰ 8 | 5 ⁰ 13 | 11 ⁰ 48 | 22 ⁰ 41 |
| S 9 | 9 15 56 | 20 ⁰ 14'50 | 20 ⁰ 18 | 27 ⁰ 5 | 20 ⁰ 36 | 7 ⁰ 21 | 13 ⁰ 33 | 9 ⁰ 47 | 7 ⁰ 9 | 5 ⁰ 14 | 11 ⁰ 49 | 22 ⁰ 43 |
| S 10 | 9 19 52 | 21 ⁰ 15'27 | 21 ⁰ 20 | 29 ⁰ 53 | 22 ⁰ 11 | 7 ⁰ 49 | 13 ⁰ 38 | 9 ⁰ 48 | 7 ⁰ 10 | 5 ⁰ 14 | 11 ⁰ 49 | 22 ⁰ 45 |
| M 11 | 9 23 49 | 22 ⁰ 16'04 | 22 ⁰ 22 | 2 ⁰ 42 | 23 ⁰ 45 | 8 ⁰ 18 | 13 ⁰ 43 | 9 ⁰ 50 | 7 ⁰ 10 | 5 ⁰ 14 | 11 ⁰ 49 | 22 ⁰ 46 |
| T 12 | 9 27 45 | 23 ⁰ 16'39 | 23 ⁰ 24 | 5 ⁰ 33 | 25 ⁰ 20 | 8 ⁰ 46 | 13 ⁰ 48 | 9 ⁰ 52 | 7 ⁰ 11 | 5 ⁰ 15 | 11 ⁰ 50 | 22 ⁰ 48 |
| W 13 | 9 31 42 | 24 ⁰ 17'12 | 24 ⁰ 26 | 8 ⁰ 26 | 26 ⁰ 55 | 9 ⁰ 14 | 13 ⁰ 52 | 9 ⁰ 54 | 7 ⁰ 12 | 5 ⁰ 15 | 11 ⁰ 50 | 22 ⁰ 50 |
| T 14 | 9 35 39 | 25 ⁰ 17'45 | 25 ⁰ 27 | 11 ⁰ 21 | 28 ⁰ 30 | 9 ⁰ 43 | 13 ⁰ 57 | 9 ⁰ 56 | 7 ⁰ 12 | 5 ⁰ 15 | 11 ⁰ 50 | 22 ⁰ 52 |
| F 15 | 9 39 35 | 26 ⁰ 18'17 | 26 ⁰ 27 | 14 ⁰ 18 | 0 ¹¹ 5 | 10 ⁰ 11 | 14 ⁰ 2 | 9 ⁰ 57 | 7 ⁰ 13 | 5 ⁰ 16 | 11 ⁰ 51 | 22 ⁰ 53 |
| S 16 | 9 43 32 | 27 ⁰ 18'47 | 27 ⁰ 27 | 17 ⁰ 18 | 1 ⁰ 40 | 10 ⁰ 39 | 14 ⁰ 7 | 9 ⁰ 59 | 7 ⁰ 13 | 5 ⁰ 16 | 11 ⁰ 51 | 22 ⁰ 55 |
| S 17 | 9 47 28 | 28 ⁰ 19'16 | 28 ⁰ 27 | 20 ⁰ 20 | 3 ⁰ 14 | 11 ⁰ 8 | 14 ⁰ 11 | 10 ⁰ 1 | 7 ⁰ 14 | 5 ⁰ 17 | 11 ⁰ 52 | 22 ⁰ 57 |
| M 18 | 9 51 25 | 29 ⁰ 19'43 | 29 ⁰ 26 | 23 ⁰ 25 | 4 ⁰ 49 | 11 ⁰ 36 | 14 ⁰ 16 | 10 ⁰ 3 | 7 ⁰ 15 | 5 ⁰ 17 | 11 ⁰ 52 | 22 ⁰ 58 |
| T 19 | 9 55 21 | 0 ¹¹ 20'09 | 0 ¹¹ 25 | 26 ⁰ 34 | 6 ⁰ 24 | 12 ⁰ 4 | 14 ⁰ 21 | 10 ⁰ 5 | 7 ⁰ 15 | 5 ⁰ 17 | 11 ⁰ 52 | 23 ⁰ 0 |
| W 20 | 9 59 18 | 1 ⁰ 20'34 | 1 ⁰ 24 | 29 ⁰ 46 | 7 ⁰ 59 | 12 ⁰ 32 | 14 ⁰ 26 | 10 ⁰ 6 | 7 ⁰ 16 | 5 ⁰ 18 | 11 ⁰ 53 | 23 ⁰ 2 |
| T 21 | 10 3 14 | 2 ⁰ 20'56 | 2 ⁰ 23 | 3 ⁰ 2 | 9 ⁰ 34 | 13 ⁰ 0 | 14 ⁰ 30 | 10 ⁰ 8 | 7 ⁰ 17 | 5 ⁰ 18 | 11 ⁰ 53 | 23 ⁰ 4 |
| F 22 | 10 7 11 | 3 ⁰ 21'18 | 3 ⁰ 22 | 6 ⁰ 22 | 11 ⁰ 9 | 13 ⁰ 28 | 14 ⁰ 35 | 10 ⁰ 10 | 7 ⁰ 17 | 5 ⁰ 18 | 11 ⁰ 54 | 23 ⁰ 5 |
| S 23 | 10 11 8 | 4 ⁰ 21'37 | 4 ⁰ 20 | 9 ⁰ 47 | 12 ⁰ 44 | 13 ⁰ 56 | 14 ⁰ 40 | 10 ⁰ 12 | 7 ⁰ 18 | 5 ⁰ 19 | 11 ⁰ 54 | 23 ⁰ 7 |
| S 24 | 10 15 4 | 5 ⁰ 21'55 | 5 ⁰ 19 | 13 ⁰ 16 | 14 ⁰ 19 | 14 ⁰ 24 | 14 ⁰ 45 | 10 ⁰ 14 | 7 ⁰ 19 | 5 ⁰ 19 | 11 ⁰ 54 | 23 ⁰ 9 |
| M 25 | 10 19 1 | 6 ⁰ 22'10 | 6 ⁰ 17 | 16 ⁰ 51 | 15 ⁰ 53 | 14 ⁰ 52 | 14 ⁰ 49 | 10 ⁰ 15 | 7 ⁰ 19 | 5 ⁰ 19 | 11 ⁰ 55 | 23 ⁰ 11 |
| T 26 | 10 22 57 | 7 ⁰ 22'24 | 7 ⁰ 16 | 20 ⁰ 31 | 17 ⁰ 28 | 15 ⁰ 20 | 14 ⁰ 54 | 10 ⁰ 17 | 7 ⁰ 20 | 5 ⁰ 20 | 11 ⁰ 55 | 23 ⁰ 12 |
| W 27 | 10 26 54 | 8 ⁰ 22'36 | 8 ⁰ 15 | 24 ⁰ 17 | 19 ⁰ 3 | 15 ⁰ 48 | 14 ⁰ 59 | 10 ⁰ 19 | 7 ⁰ 21 | 5 ⁰ 20 | 11 ⁰ 55 | 23 ⁰ 14 |
| T 28 | 10 30 50 | 9 ⁰ 22'46 | 9 ⁰ 15 | 28 ⁰ 9 | 20 ⁰ 38 | 16 ⁰ 16 | 15 ⁰ 4 | 10 ⁰ 21 | 7 ⁰ 21 | 5 ⁰ 20 | 11 ⁰ 56 | 23 ⁰ 16 |

Delta T = 13.27 sec. Greg. Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [13.11.2015]

SWISS EPHEMERIS for the year 1754
heliocentric

MARCH 1754

00:00 UT

| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♄ |
|------|----------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|
| F 1 | 10 34 47 | 10 ^m 22'54 | 10 ^m 14 | 2 ^h 8 | 22 ^m 13 | 16 ^m 43 | 15 ^o 8 | 10 ^h 23 | 7 ^h 22 | 5 ^o 21 | 11 ^h 56 | 23 ^h 17 |
| S 2 | 10 38 43 | 11 ^o 22'59 | 11 ^o 14 | 6 ^o 14 | 23 ^o 48 | 17 ^o 11 | 15 ^o 13 | 10 ^o 24 | 7 ^o 22 | 5 ^o 21 | 11 ^o 57 | 23 ^o 19 |
| S 3 | 10 42 40 | 12 ^o 23'03 | 12 ^o 14 | 10 ^o 27 | 25 ^o 23 | 17 ^o 39 | 15 ^o 18 | 10 ^o 26 | 7 ^o 23 | 5 ^o 22 | 11 ^o 57 | 23 ^o 21 |
| M 4 | 10 46 36 | 13 ^o 23'05 | 13 ^o 15 | 14 ^o 48 | 26 ^o 58 | 18 ^o 7 | 15 ^o 22 | 10 ^o 28 | 7 ^o 24 | 5 ^o 22 | 11 ^o 57 | 23 ^o 23 |
| T 5 | 10 50 33 | 14 ^o 23'04 | 14 ^o 16 | 19 ^o 17 | 28 ^o 33 | 18 ^o 34 | 15 ^o 27 | 10 ^o 30 | 7 ^o 24 | 5 ^o 22 | 11 ^o 58 | 23 ^o 24 |
| W 6 | 10 54 30 | 15 ^o 23'01 | 15 ^o 17 | 23 ^o 54 | 0 ^h 8 | 19 ^o 2 | 15 ^o 32 | 10 ^o 32 | 7 ^o 25 | 5 ^o 23 | 11 ^o 58 | 23 ^o 26 |
| T 7 | 10 58 26 | 16 ^o 22'56 | 16 ^o 19 | 28 ^o 40 | 1 ^h 43 | 19 ^o 30 | 15 ^o 37 | 10 ^o 33 | 7 ^o 26 | 5 ^o 23 | 11 ^o 59 | 23 ^o 28 |
| F 8 | 11 2 23 | 17 ^o 22'48 | 17 ^o 21 | 3 ^h 35 | 3 ^h 18 | 19 ^o 57 | 15 ^o 41 | 10 ^o 35 | 7 ^o 26 | 5 ^o 23 | 11 ^o 59 | 23 ^o 30 |
| S 9 | 11 6 19 | 18 ^o 22'39 | 18 ^o 23 | 8 ^o 39 | 4 ^h 54 | 20 ^o 25 | 15 ^o 46 | 10 ^o 37 | 7 ^o 27 | 5 ^o 24 | 11 ^o 59 | 23 ^o 31 |
| S 10 | 11 10 16 | 19 ^o 22'28 | 19 ^o 25 | 13 ^o 52 | 6 ^h 29 | 20 ^o 52 | 15 ^o 51 | 10 ^o 39 | 7 ^o 28 | 5 ^o 24 | 12 ^o 0 | 23 ^o 33 |
| M 11 | 11 14 12 | 20 ^o 22'14 | 20 ^o 26 | 19 ^o 14 | 8 ^o 4 | 21 ^o 20 | 15 ^o 56 | 10 ^o 41 | 7 ^o 28 | 5 ^o 24 | 12 ^o 0 | 23 ^o 35 |
| T 12 | 11 18 9 | 21 ^o 21'59 | 21 ^o 28 | 24 ^o 45 | 9 ^h 39 | 21 ^o 47 | 16 ^o 0 | 10 ^o 42 | 7 ^o 29 | 5 ^o 25 | 12 ^o 0 | 23 ^o 36 |
| W 13 | 11 22 5 | 22 ^o 21'43 | 22 ^o 29 | 0 ^h 25 | 11 ^o 14 | 22 ^o 15 | 16 ^o 5 | 10 ^o 44 | 7 ^o 30 | 5 ^o 25 | 12 ^o 1 | 23 ^o 38 |
| T 14 | 11 26 2 | 23 ^o 21'24 | 23 ^o 30 | 6 ^o 13 | 12 ^h 49 | 22 ^o 42 | 16 ^o 10 | 10 ^o 46 | 7 ^o 30 | 5 ^o 26 | 12 ^o 1 | 23 ^o 40 |
| F 15 | 11 29 59 | 24 ^o 21'04 | 24 ^o 30 | 12 ^o 9 | 14 ^h 25 | 23 ^o 9 | 16 ^o 15 | 10 ^o 48 | 7 ^o 31 | 5 ^o 26 | 12 ^o 2 | 23 ^o 42 |
| S 16 | 11 33 55 | 25 ^o 20'42 | 25 ^o 30 | 18 ^o 11 | 16 ^o 0 | 23 ^o 37 | 16 ^o 19 | 10 ^o 50 | 7 ^o 31 | 5 ^o 26 | 12 ^o 2 | 23 ^o 43 |
| S 17 | 11 37 52 | 26 ^o 20'19 | 26 ^o 29 | 24 ^o 19 | 17 ^h 35 | 24 ^o 4 | 16 ^o 24 | 10 ^o 51 | 7 ^o 32 | 5 ^o 27 | 12 ^o 2 | 23 ^o 45 |
| M 18 | 11 41 48 | 27 ^o 19'53 | 27 ^o 28 | 0 ^h 32 | 19 ^o 10 | 24 ^o 31 | 16 ^o 29 | 10 ^o 53 | 7 ^o 33 | 5 ^o 27 | 12 ^o 3 | 23 ^o 47 |
| T 19 | 11 45 45 | 28 ^o 19'26 | 28 ^o 27 | 6 ^h 49 | 20 ^h 46 | 24 ^o 59 | 16 ^o 33 | 10 ^o 55 | 7 ^o 33 | 5 ^o 27 | 12 ^o 3 | 23 ^o 48 |
| W 20 | 11 49 41 | 29 ^o 18'57 | 29 ^o 25 | 13 ^o 8 | 22 ^h 21 | 25 ^o 26 | 16 ^o 38 | 10 ^o 57 | 7 ^o 34 | 5 ^o 28 | 12 ^o 4 | 23 ^o 50 |
| T 21 | 11 53 38 | 0 ^h 18'26 | 0 ^h 23 | 19 ^h 27 | 23 ^h 56 | 25 ^h 53 | 16 ^h 43 | 10 ^h 59 | 7 ^h 35 | 5 ^h 28 | 12 ^h 4 | 23 ^h 52 |
| F 22 | 11 57 34 | 1 ^o 17'53 | 1 ^o 21 | 25 ^o 45 | 25 ^h 32 | 26 ^h 20 | 16 ^h 48 | 11 ^h 0 | 7 ^h 35 | 5 ^h 28 | 12 ^h 4 | 23 ^h 54 |
| S 23 | 12 1 31 | 2 ^o 17'18 | 2 ^o 19 | 2 ^h 1 | 27 ^h 7 | 26 ^h 48 | 16 ^h 52 | 11 ^h 2 | 7 ^h 36 | 5 ^h 29 | 12 ^h 5 | 23 ^h 55 |
| S 24 | 12 5 27 | 3 ^o 16'41 | 3 ^o 17 | 8 ^o 13 | 28 ^h 43 | 27 ^h 15 | 16 ^h 57 | 11 ^h 4 | 7 ^h 37 | 5 ^h 29 | 12 ^h 5 | 23 ^h 57 |
| M 25 | 12 9 24 | 4 ^o 16'02 | 4 ^o 14 | 14 ^h 20 | 0 ^h 18 | 27 ^h 42 | 17 ^h 2 | 11 ^h 6 | 7 ^h 37 | 5 ^h 30 | 12 ^h 5 | 23 ^h 59 |
| T 26 | 12 13 21 | 5 ^o 15'21 | 5 ^o 12 | 20 ^h 20 | 1 ^h 54 | 28 ^h 9 | 17 ^h 6 | 11 ^h 8 | 7 ^h 38 | 5 ^h 30 | 12 ^h 6 | 24 ^h 0 |
| W 27 | 12 17 17 | 6 ^o 14'38 | 6 ^o 10 | 26 ^h 13 | 3 ^h 29 | 28 ^h 36 | 17 ^h 11 | 11 ^h 9 | 7 ^h 39 | 5 ^h 30 | 12 ^h 6 | 24 ^h 2 |
| T 28 | 12 21 14 | 7 ^o 13'53 | 7 ^o 7 | 1 ^h 58 | 5 ^h 5 | 29 ^h 3 | 17 ^h 16 | 11 ^h 11 | 7 ^h 39 | 5 ^h 31 | 12 ^h 7 | 24 ^h 4 |
| F 29 | 12 25 10 | 8 ^o 13'05 | 8 ^o 6 | 7 ^h 34 | 6 ^h 40 | 29 ^h 30 | 17 ^h 21 | 11 ^h 13 | 7 ^h 40 | 5 ^h 31 | 12 ^h 7 | 24 ^h 6 |
| S 30 | 12 29 7 | 9 ^o 12'16 | 9 ^o 4 | 13 ^h 1 | 8 ^h 16 | 29 ^h 57 | 17 ^h 25 | 11 ^h 15 | 7 ^h 40 | 5 ^h 31 | 12 ^h 7 | 24 ^h 7 |
| S 31 | 12 33 3 | 10 ^h 11'23 | 10 ^h 3 | 18 ^h 18 | 9 ^h 51 | 0 ^h 24 | 17 ^h 30 | 11 ^h 17 | 7 ^h 41 | 5 ^h 32 | 12 ^h 8 | 24 ^h 9 |

Delta T = 13.27 sec.

Greg. Calendar

APRIL 1754

00:00 UT

| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♄ |
|------|----------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|
| M 1 | 12 37 0 | 11 ^h 10'29 | 11 ^h 2 | 23 ^h 26 | 11 ^h 27 | 0 ^h 51 | 17 ^h 35 | 11 ^h 18 | 7 ^h 42 | 5 ^h 32 | 12 ^h 8 | 24 ^h 11 |
| T 2 | 12 40 56 | 12 ^o 9'32 | 12 ^o 1 | 28 ^h 24 | 13 ^h 3 | 1 ^h 18 | 17 ^h 40 | 11 ^h 20 | 7 ^h 42 | 5 ^h 32 | 12 ^h 8 | 24 ^h 12 |
| W 3 | 12 44 53 | 13 ^o 8'33 | 13 ^o 1 | 3 ^h 12 | 14 ^h 38 | 1 ^h 45 | 17 ^h 44 | 11 ^h 22 | 7 ^h 43 | 5 ^h 33 | 12 ^h 9 | 24 ^h 14 |
| T 4 | 12 48 50 | 14 ^o 7'31 | 14 ^o 1 | 7 ^h 52 | 16 ^h 14 | 2 ^h 12 | 17 ^h 49 | 11 ^h 24 | 7 ^h 44 | 5 ^h 33 | 12 ^h 9 | 24 ^h 16 |
| F 5 | 12 52 46 | 15 ^o 6'27 | 15 ^o 2 | 12 ^h 22 | 17 ^h 50 | 2 ^h 39 | 17 ^h 54 | 11 ^h 26 | 7 ^h 44 | 5 ^h 34 | 12 ^h 10 | 24 ^h 18 |
| S 6 | 12 56 43 | 16 ^o 5'21 | 16 ^o 3 | 16 ^h 43 | 19 ^h 25 | 3 ^h 6 | 17 ^h 58 | 11 ^h 27 | 7 ^h 45 | 5 ^h 34 | 12 ^h 10 | 24 ^h 19 |
| S 7 | 13 0 39 | 17 ^o 4'13 | 17 ^o 4 | 20 ^h 57 | 21 ^h 1 | 3 ^h 33 | 18 ^h 3 | 11 ^h 29 | 7 ^h 46 | 5 ^h 34 | 12 ^h 10 | 24 ^h 21 |
| M 8 | 13 4 36 | 18 ^o 3'03 | 18 ^o 4 | 25 ^h 2 | 22 ^h 37 | 4 ^h 0 | 18 ^h 8 | 11 ^h 31 | 7 ^h 46 | 5 ^h 35 | 12 ^h 11 | 24 ^h 23 |
| T 9 | 13 8 32 | 19 ^o 1'51 | 19 ^o 5 | 29 ^h 1 | 24 ^h 13 | 4 ^h 26 | 18 ^h 13 | 11 ^h 33 | 7 ^h 47 | 5 ^h 35 | 12 ^h 11 | 24 ^h 24 |
| W 10 | 13 12 29 | 20 ^o 0'37 | 20 ^o 6 | 2 ^h 52 | 25 ^h 49 | 4 ^h 53 | 18 ^h 17 | 11 ^h 35 | 7 ^h 48 | 5 ^h 35 | 12 ^h 12 | 24 ^h 26 |
| T 11 | 13 16 25 | 20 ^h 59'21 | 21 ^h 6 | 6 ^h 37 | 27 ^h 25 | 5 ^h 20 | 18 ^h 22 | 11 ^h 36 | 7 ^h 48 | 5 ^h 36 | 12 ^h 12 | 24 ^h 28 |
| F 12 | 13 20 22 | 21 ^h 58'03 | 22 ^h 6 | 10 ^h 15 | 29 ^h 0 | 5 ^h 47 | 18 ^h 27 | 11 ^h 38 | 7 ^h 49 | 5 ^h 36 | 12 ^h 12 | 24 ^h 29 |
| S 13 | 13 24 19 | 22 ^h 56'44 | 23 ^h 5 | 13 ^h 48 | 0 ^h 36 | 6 ^h 13 | 18 ^h 31 | 11 ^h 40 | 7 ^h 49 | 5 ^h 36 | 12 ^h 13 | 24 ^h 31 |
| S 14 | 13 28 15 | 23 ^h 55'23 | 24 ^h 4 | 17 ^h 16 | 2 ^h 12 | 6 ^h 40 | 18 ^h 36 | 11 ^h 42 | 7 ^h 50 | 5 ^h 37 | 12 ^h 13 | 24 ^h 33 |
| M 15 | 13 32 12 | 24 ^h 54'00 | 25 ^h 3 | 20 ^h 38 | 3 ^h 48 | 7 ^h 7 | 18 ^h 41 | 11 ^h 44 | 7 ^h 51 | 5 ^h 37 | 12 ^h 13 | 24 ^h 35 |
| T 16 | 13 36 8 | 25 ^h 52'36 | 26 ^h 1 | 23 ^h 57 | 5 ^h 24 | 7 ^h 34 | 18 ^h 46 | 11 ^h 46 | 7 ^h 51 | 5 ^h 38 | 12 ^h 14 | 24 ^h 36 |
| W 17 | 13 40 5 | 26 ^h 51'10 | 26 ^h 59 | 27 ^h 11 | 7 ^h 0 | 8 ^h 0 | 18 ^h 50 | 11 ^h 47 | 7 ^h 52 | 5 ^h 38 | 12 ^h 14 | 24 ^h 38 |
| T 18 | 13 44 1 | 27 ^h 49'42 | 27 ^h 57 | 0 ^h 21 | 8 ^h 36 | 8 ^h 27 | 18 ^h 55 | 11 ^h 49 | 7 ^h 53 | 5 ^h 38 | 12 ^h 15 | 24 ^h 40 |
| F 19 | 13 47 58 | 28 ^h 48'13 | 28 ^h 54 | 3 ^h 27 | 10 ^h 13 | 8 ^h 53 | 19 ^h 0 | 11 ^h 51 | 7 ^h 53 | 5 ^h 39 | 12 ^h 15 | 24 ^h 41 |
| S 20 | 13 51 54 | 29 ^h 46'41 | 29 ^h 51 | 6 ^h 31 | 11 ^h 49 | 9 ^h 20 | 19 ^h 4 | 11 ^h 53 | 7 ^h 54 | 5 ^h 39 | 12 ^h 15 | 24 ^h 43 |
| S 21 | 13 55 51 | 0 ^h 45'08 | 0 ^h 48 | 9 ^h 31 | 13 ^h 25 | 9 ^h 47 | 19 ^h 9 | 11 ^h 55 | 7 ^h 55 | 5 ^h 39 | 12 ^h 16 | 24 ^h 45 |
| M 22 | 13 59 48 | 1 ^h 43'34 | 1 ^h 45 | 12 ^h 29 | 15 ^h 1 | 10 ^h 13 | 19 ^h 14 | 11 ^h 56 | 7 ^h 55 | 5 ^h 40 | 12 ^h 16 | 24 ^h 46 |
| T 23 | 14 3 44 | 2 ^h 41'57 | 2 ^h 41 | 15 ^h 25 | 16 ^h 37 | 10 ^h 40 | 19 ^h 19 | 11 ^h 58 | 7 ^h 56 | 5 ^h 40 | 12 ^h 17 | 24 ^h 48 |
| W 24 | 14 7 41 | 3 ^h 40'19 | 3 ^h 38 | 18 ^h 18 | 18 ^h 13 | 11 ^h 6 | 19 ^h 23 | 12 ^h 0 | 7 ^h 57 | 5 ^h 40 | 12 ^h 17 | 24 ^h 50 |
| T 25 | 14 11 37 | 4 ^h 38'38 | 4 ^h 35 | 21 ^h 9 | 19 ^h 50 | 11 ^h 33 | 19 ^h 28 | 12 ^h 2 | 7 ^h 57 | 5 ^h 41 | 12 ^h 17 | 24 ^h 51 |
| F 26 | 14 15 34 | 5 ^h 36'56 | 5 ^h 31 | 23 ^h 59 | 21 ^h 26 | 12 ^h 0 | 19 ^h 33 | 12 ^h 4 | 7 ^h 58 | 5 ^h 41 | 12 ^h 18 | 24 ^h 53 |
| S 27 | 14 19 30 | 6 ^h 35'12 | 6 ^h 28 | 26 ^h 48 | 23 ^h 2 | 12 ^h 26 | 19 ^h 37 | 12 ^h 5 | 7 ^h 58 | 5 ^h 41 | 12 ^h 18 | 24 ^h 55 |
| S 28 | 14 23 27 | 7 ^h 33'26 | 7 ^h 26 | 29 ^h 35 | 24 ^h 39 | 12 ^h 53 | 19 ^h 42 | 12 ^h 7 | 7 ^h 59 | 5 ^h 42 | 12 ^h 18 | 24 ^h 57 |
| M 29 | 14 27 23 | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1754
heliocentric

MAY 1754

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♃ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|
| W 1 | 14 35 17 | 10♁27'55 | 10♁20 | 7♃52 | 29♄28 | 14♁12 | 19♁56 | 12♁13 | 8♂ 1 | 5♁43 | 12♁20 | 25♃ 2 |
| T 2 | 14 39 13 | 11°26'01 | 11°19 | 10°37 | 1♁ 5 | 14°38 | 20° 1 | 12°14 | 8° 2 | 5°43 | 12°20 | 25° 3 |
| F 3 | 14 43 10 | 12°24'05 | 12°18 | 13°21 | 2°41 | 15° 5 | 20° 6 | 12°16 | 8° 2 | 5°44 | 12°20 | 25° 5 |
| S 4 | 14 47 6 | 13°22'07 | 13°17 | 16° 6 | 4°18 | 15°31 | 20°10 | 12°18 | 8° 3 | 5°44 | 12°21 | 25° 7 |
| S 5 | 14 51 3 | 14°20'07 | 14°17 | 18°51 | 5°54 | 15°58 | 20°15 | 12°20 | 8° 4 | 5°44 | 12°21 | 25° 8 |
| M 6 | 14 54 59 | 15°18'05 | 15°17 | 21°37 | 7°31 | 16°24 | 20°20 | 12°22 | 8° 4 | 5°45 | 12°22 | 25°10 |
| T 7 | 14 58 56 | 16°16'01 | 16°17 | 24°23 | 9° 7 | 16°50 | 20°24 | 12°23 | 8° 5 | 5°45 | 12°22 | 25°12 |
| W 8 | 15 2 52 | 17°13'57 | 17°16 | 27°10 | 10°44 | 17°17 | 20°29 | 12°25 | 8° 6 | 5°45 | 12°22 | 25°13 |
| T 9 | 15 6 49 | 18°11'50 | 18°16 | 29°58 | 12°21 | 17°43 | 20°34 | 12°27 | 8° 6 | 5°46 | 12°23 | 25°15 |
| F 10 | 15 10 45 | 19° 9'43 | 19°16 | 2♁48 | 13°57 | 18°10 | 20°38 | 12°29 | 8° 7 | 5°46 | 12°23 | 25°17 |
| S 11 | 15 14 42 | 20° 7'34 | 20°15 | 5°39 | 15°34 | 18°36 | 20°43 | 12°31 | 8° 7 | 5°47 | 12°23 | 25°19 |
| S 12 | 15 18 39 | 21° 5'23 | 21°14 | 8°32 | 17°11 | 19° 2 | 20°48 | 12°32 | 8° 8 | 5°47 | 12°24 | 25°20 |
| M13 | 15 22 35 | 22° 3'12 | 22°12 | 11°27 | 18°48 | 19°29 | 20°53 | 12°34 | 8° 9 | 5°47 | 12°24 | 25°22 |
| T 14 | 15 26 32 | 23° 0'59 | 23°10 | 14°24 | 20°25 | 19°55 | 20°57 | 12°36 | 8° 9 | 5°48 | 12°25 | 25°24 |
| W15 | 15 30 28 | 23°58'45 | 24° 8 | 17°24 | 22° 2 | 20°21 | 21° 2 | 12°38 | 8°10 | 5°48 | 12°25 | 25°25 |
| T 16 | 15 34 25 | 24°56'30 | 25° 5 | 20°26 | 23°38 | 20°48 | 21° 7 | 12°40 | 8°11 | 5°48 | 12°25 | 25°27 |
| F 17 | 15 38 21 | 25°54'14 | 26° 2 | 23°31 | 25°15 | 21°14 | 21°11 | 12°41 | 8°11 | 5°49 | 12°26 | 25°29 |
| S 18 | 15 42 18 | 26°51'57 | 26°59 | 26°40 | 26°52 | 21°40 | 21°16 | 12°43 | 8°12 | 5°49 | 12°26 | 25°30 |
| S 19 | 15 46 14 | 27°49'38 | 27°55 | 29°52 | 28°29 | 22° 6 | 21°21 | 12°45 | 8°13 | 5°49 | 12°26 | 25°32 |
| M20 | 15 50 11 | 28°47'19 | 28°51 | 3♁ 8 | 0♁ 6 | 22°33 | 21°25 | 12°47 | 8°13 | 5°50 | 12°27 | 25°34 |
| T 21 | 15 54 8 | 29°44'58 | 29°47 | 6°29 | 1°43 | 22°59 | 21°30 | 12°49 | 8°14 | 5°50 | 12°27 | 25°35 |
| W22 | 15 58 4 | 0♁42'37 | 0♁43 | 9°53 | 3°20 | 23°25 | 21°35 | 12°50 | 8°15 | 5°51 | 12°28 | 25°37 |
| T 23 | 16 2 1 | 1°40'14 | 1°39 | 13°23 | 4°58 | 23°52 | 21°40 | 12°52 | 8°15 | 5°51 | 12°28 | 25°39 |
| F 24 | 16 5 57 | 2°37'50 | 2°35 | 16°58 | 6°35 | 24°18 | 21°44 | 12°54 | 8°16 | 5°51 | 12°28 | 25°40 |
| S 25 | 16 9 54 | 3°35'24 | 3°31 | 20°38 | 8°12 | 24°44 | 21°49 | 12°56 | 8°16 | 5°52 | 12°29 | 25°42 |
| S 26 | 16 13 50 | 4°32'58 | 4°27 | 24°24 | 9°49 | 25°10 | 21°54 | 12°58 | 8°17 | 5°52 | 12°29 | 25°44 |
| M27 | 16 17 47 | 5°30'29 | 5°23 | 28°17 | 11°26 | 25°37 | 21°58 | 12°59 | 8°18 | 5°52 | 12°30 | 25°45 |
| T 28 | 16 21 43 | 6°28'00 | 6°20 | 2♁16 | 13° 4 | 26° 3 | 22° 3 | 13° 1 | 8°18 | 5°53 | 12°30 | 25°47 |
| W29 | 16 25 40 | 7°25'29 | 7°17 | 6°22 | 14°41 | 26°29 | 22° 8 | 13° 3 | 8°19 | 5°53 | 12°30 | 25°49 |
| T 30 | 16 29 37 | 8°22'57 | 8°15 | 10°35 | 16°18 | 26°55 | 22°12 | 13° 5 | 8°20 | 5°53 | 12°31 | 25°50 |
| F 31 | 16 33 33 | 9♁20'24 | 9♁13 | 14♁56 | 17♁55 | 27♁21 | 22♁17 | 13♁ 7 | 8♂20 | 5♁54 | 12♁31 | 25♃52 |

Delta T = 13.27 sec. Greg. Calendar

JUNE 1754

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♃ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|
| S 1 | 16 37 30 | 10♁17'49 | 10♁11 | 19♁25 | 19♁33 | 27♁48 | 22♁22 | 13♁ 8 | 8♂21 | 5♁54 | 12♁31 | 25♃54 |
| S 2 | 16 41 26 | 11°15'13 | 11°10 | 24° 3 | 21°10 | 28°14 | 22°26 | 13°10 | 8°22 | 5°55 | 12°32 | 25°55 |
| M 3 | 16 45 23 | 12°12'36 | 12° 9 | 28°49 | 22°47 | 28°40 | 22°31 | 13°12 | 8°22 | 5°55 | 12°32 | 25°57 |
| T 4 | 16 49 19 | 13° 9'58 | 13° 8 | 3♁44 | 24°25 | 29° 6 | 22°36 | 13°14 | 8°23 | 5°55 | 12°33 | 25°59 |
| W 5 | 16 53 16 | 14° 7'19 | 14° 7 | 8°49 | 26° 2 | 29°33 | 22°41 | 13°16 | 8°24 | 5°56 | 12°33 | 26° 1 |
| T 6 | 16 57 12 | 15° 4'40 | 15° 6 | 14° 2 | 27°40 | 29°59 | 22°45 | 13°17 | 8°24 | 5°56 | 12°33 | 26° 2 |
| F 7 | 17 1 9 | 16° 2'00 | 16° 5 | 19°24 | 29°17 | 0♁25 | 22°50 | 13°19 | 8°25 | 5°56 | 12°34 | 26° 4 |
| S 8 | 17 5 6 | 16°59'19 | 17° 4 | 24°56 | 0♁55 | 0°51 | 22°55 | 13°21 | 8°26 | 5°57 | 12°34 | 26° 6 |
| S 9 | 17 9 2 | 17°56'37 | 18° 3 | 0♁36 | 2°32 | 1°17 | 22°59 | 13°23 | 8°26 | 5°57 | 12°35 | 26° 7 |
| M10 | 17 12 59 | 18°53'55 | 19° 2 | 6°24 | 4°10 | 1°44 | 23° 4 | 13°25 | 8°27 | 5°57 | 12°35 | 26° 9 |
| T 11 | 17 16 55 | 19°51'13 | 20° 0 | 12°20 | 5°47 | 2°10 | 23° 9 | 13°26 | 8°27 | 5°58 | 12°35 | 26°11 |
| W12 | 17 20 52 | 20°48'30 | 20°57 | 18°22 | 7°25 | 2°36 | 23°13 | 13°28 | 8°28 | 5°58 | 12°36 | 26°12 |
| T 13 | 17 24 48 | 21°45'46 | 21°55 | 24°31 | 9° 2 | 3° 2 | 23°18 | 13°30 | 8°29 | 5°59 | 12°36 | 26°14 |
| F 14 | 17 28 45 | 22°43'03 | 22°52 | 0♁44 | 10°40 | 3°28 | 23°23 | 13°32 | 8°29 | 5°59 | 12°36 | 26°16 |
| S 15 | 17 32 41 | 23°40'19 | 23°49 | 7° 1 | 12°17 | 3°55 | 23°27 | 13°34 | 8°30 | 5°59 | 12°37 | 26°17 |
| S 16 | 17 36 38 | 24°37'35 | 24°45 | 13°19 | 13°55 | 4°21 | 23°32 | 13°35 | 8°31 | 6° 0 | 12°37 | 26°19 |
| M17 | 17 40 35 | 25°34'50 | 25°41 | 19°39 | 15°32 | 4°47 | 23°37 | 13°37 | 8°31 | 6° 0 | 12°38 | 26°21 |
| T 18 | 17 44 31 | 26°32'06 | 26°37 | 25°57 | 17°10 | 5°13 | 23°41 | 13°39 | 8°32 | 6° 0 | 12°38 | 26°22 |
| W19 | 17 48 28 | 27°29'21 | 27°32 | 2♁13 | 18°47 | 5°40 | 23°46 | 13°41 | 8°33 | 6° 1 | 12°38 | 26°24 |
| T 20 | 17 52 24 | 28°26'36 | 28°28 | 8°24 | 20°25 | 6° 6 | 23°51 | 13°43 | 8°33 | 6° 1 | 12°39 | 26°26 |
| F 21 | 17 56 21 | 29°23'51 | 29°23 | 14°31 | 22° 2 | 6°32 | 23°55 | 13°45 | 8°34 | 6° 1 | 12°39 | 26°27 |
| S 22 | 18 0 17 | 0♁21'05 | 0♁19 | 20°31 | 23°40 | 6°58 | 24° 0 | 13°46 | 8°35 | 6° 2 | 12°40 | 26°29 |
| S 23 | 18 4 14 | 1°18'19 | 1°14 | 26°24 | 25°18 | 7°25 | 24° 5 | 13°48 | 8°35 | 6° 2 | 12°40 | 26°31 |
| M24 | 18 8 11 | 2°15'33 | 2°10 | 2♁ 9 | 26°55 | 7°51 | 24°10 | 13°50 | 8°36 | 6° 3 | 12°40 | 26°32 |
| T 25 | 18 12 7 | 3°12'46 | 3° 6 | 7°45 | 28°33 | 8°17 | 24°14 | 13°52 | 8°36 | 6° 3 | 12°41 | 26°34 |
| W26 | 18 16 4 | 4° 9'58 | 4° 2 | 13°11 | 0♁10 | 8°43 | 24°19 | 13°54 | 8°37 | 6° 3 | 12°41 | 26°36 |
| T 27 | 18 20 0 | 5° 7'11 | 4°59 | 18°28 | 1°48 | 9° 9 | 24°24 | 13°55 | 8°38 | 6° 4 | 12°41 | 26°37 |
| F 28 | 18 23 57 | 6° 4'22 | 5°56 | 23°35 | 3°25 | 9°36 | 24°28 | 13°57 | 8°38 | 6° 4 | 12°42 | 26°39 |
| S 29 | 18 27 53 | 7° 1'34 | 6°54 | 28°33 | 5° 3 | 10° 2 | 24°33 | 13°59 | 8°39 | 6° 4 | 12°42 | 26°40 |
| S 30 | 18 31 50 | 7♁58'45 | 7♁52 | 3♁21 | 6♁40 | 10♁28 | 24♁38 | 14♁ 1 | 8♂40 | 6♁ 5 | 12♁43 | 26♃42 |

Delta T = 13.27 sec. Greg. Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [13.11.2015]

SWISS EPHEMERIS for the year 1754
heliocentric

JULY 1754

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| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♄ |
|------|----------|-----------------------|--------------------|-------------------|--------------------|---------------------|---------------------|-------------------|--------------------|--------------------|---------------------|---------------------|
| M 1 | 18 35 46 | 8 ³⁵ 55'55 | 8 ³⁵ 50 | 8 ¹⁷ 0 | 8 ¹⁷ 18 | 10 ¹⁷ 55 | 24 ¹² 42 | 14 ³ 3 | 8 ⁴⁰ 40 | 6 ⁵ 5 | 12 ⁴³ 43 | 26 ⁴⁴ 44 |
| T 2 | 18 39 43 | 9 ⁵³ 06 | 9 ⁴⁹ | 12 ³⁰ | 9 ⁵⁵ | 11 ²¹ | 24 ⁴⁷ | 14 ⁴ 4 | 8 ⁴¹ | 6 ⁵ 5 | 12 ⁴³ | 26 ⁴⁵ |
| W 3 | 18 43 40 | 10 ⁵⁰ 16 | 10 ⁴⁷ | 16 ⁵¹ | 11 ³² | 11 ⁴⁷ | 24 ⁵² | 14 ⁶ 6 | 8 ⁴² | 6 ⁶ 6 | 12 ⁴⁴ | 26 ⁴⁷ |
| T 4 | 18 47 36 | 11 ⁴⁷ 27 | 11 ⁴⁶ | 21 ⁵ | 13 ¹⁰ | 12 ¹³ | 24 ⁵⁶ | 14 ⁸ 8 | 8 ⁴² | 6 ⁶ 6 | 12 ⁴⁴ | 26 ⁴⁹ |
| F 5 | 18 51 33 | 12 ⁴⁴ 37 | 12 ⁴⁵ | 25 ¹⁰ | 14 ⁴⁷ | 12 ⁴⁰ | 25 ¹ | 14 ¹⁰ | 8 ⁴³ | 6 ⁶ 6 | 12 ⁴⁵ | 26 ⁵⁰ |
| S 6 | 18 55 29 | 13 ⁴¹ 48 | 13 ⁴⁴ | 29 ⁸ | 16 ²⁵ | 13 ⁶ | 25 ⁶ | 14 ¹² | 8 ⁴⁴ | 6 ⁷ 7 | 12 ⁴⁵ | 26 ⁵² |
| S 7 | 18 59 26 | 14 ³⁸ 59 | 14 ⁴³ | 2 ⁵⁹ | 18 ² | 13 ³² | 25 ¹⁰ | 14 ¹³ | 8 ⁴⁴ | 6 ⁷ 7 | 12 ⁴⁵ | 26 ⁵⁴ |
| M 8 | 19 3 22 | 15 ³⁶ 10 | 15 ⁴² | 6 ⁴⁴ | 19 ³⁹ | 13 ⁵⁹ | 25 ¹⁵ | 14 ¹⁵ | 8 ⁴⁵ | 6 ⁸ 8 | 12 ⁴⁶ | 26 ⁵⁵ |
| T 9 | 19 7 19 | 16 ³³ 22 | 16 ⁴⁰ | 10 ²² | 21 ¹⁷ | 14 ²⁵ | 25 ²⁰ | 14 ¹⁷ | 8 ⁴⁵ | 6 ⁸ 8 | 12 ⁴⁶ | 26 ⁵⁷ |
| W10 | 19 11 15 | 17 ³⁰ 34 | 17 ³⁹ | 13 ⁵⁵ | 22 ⁵⁴ | 14 ⁵¹ | 25 ²⁴ | 14 ¹⁹ | 8 ⁴⁶ | 6 ⁸ 8 | 12 ⁴⁶ | 26 ⁵⁹ |
| T 11 | 19 15 12 | 18 ²⁷ 47 | 18 ³⁶ | 17 ²² | 24 ³¹ | 15 ¹⁸ | 25 ²⁹ | 14 ²¹ | 8 ⁴⁷ | 6 ⁹ 9 | 12 ⁴⁷ | 27 ⁰ |
| F 12 | 19 19 9 | 19 ²⁵ 00 | 19 ³⁴ | 20 ⁴⁵ | 26 ⁸ | 15 ⁴⁴ | 25 ³⁴ | 14 ²² | 8 ⁴⁷ | 6 ⁹ 9 | 12 ⁴⁷ | 27 ² |
| S 13 | 19 23 5 | 20 ²² 14 | 20 ³¹ | 24 ³ | 27 ⁴⁵ | 16 ¹⁰ | 25 ³⁸ | 14 ²⁴ | 8 ⁴⁸ | 6 ⁹ 9 | 12 ⁴⁸ | 27 ⁴ |
| S 14 | 19 27 2 | 21 ¹⁹ 28 | 21 ²⁸ | 27 ¹⁷ | 29 ²³ | 16 ³⁷ | 25 ⁴³ | 14 ²⁶ | 8 ⁴⁹ | 6 ¹⁰ 10 | 12 ⁴⁸ | 27 ⁵ |
| M15 | 19 30 58 | 22 ¹⁶ 43 | 22 ²⁵ | 0 ²⁷ | 1 ⁰ | 17 ³ | 25 ⁴⁸ | 14 ²⁸ | 8 ⁴⁹ | 6 ¹⁰ 10 | 12 ⁴⁸ | 27 ⁷ |
| T 16 | 19 34 55 | 23 ¹³ 59 | 23 ²¹ | 3 ³³ | 2 ³⁷ | 17 ³⁰ | 25 ⁵² | 14 ³⁰ | 8 ⁵⁰ | 6 ¹⁰ 10 | 12 ⁴⁹ | 27 ⁹ |
| W17 | 19 38 51 | 24 ¹¹ 16 | 24 ¹⁷ | 6 ³⁷ | 4 ¹⁴ | 17 ⁵⁶ | 25 ⁵⁷ | 14 ³¹ | 8 ⁵¹ | 6 ¹¹ 11 | 12 ⁴⁹ | 27 ¹⁰ |
| T 18 | 19 42 48 | 25 ⁸ 34 | 25 ¹² | 9 ³⁷ | 5 ⁵¹ | 18 ²³ | 26 ² | 14 ³³ | 8 ⁵¹ | 6 ¹¹ 11 | 12 ⁵⁰ | 27 ¹² |
| F 19 | 19 46 44 | 26 ⁵ 52 | 26 ⁸ | 12 ³⁵ | 7 ²⁸ | 18 ⁴⁹ | 26 ⁶ | 14 ³⁵ | 8 ⁵² | 6 ¹² 12 | 12 ⁵⁰ | 27 ¹⁴ |
| S 20 | 19 50 41 | 27 ³ 11 | 27 ³ | 15 ³⁰ | 9 ⁵ | 19 ¹⁵ | 26 ¹¹ | 14 ³⁷ | 8 ⁵³ | 6 ¹² 12 | 12 ⁵⁰ | 27 ¹⁵ |
| S 21 | 19 54 38 | 28 ⁰ 30 | 27 ⁵⁹ | 18 ²³ | 10 ⁴² | 19 ⁴² | 26 ¹⁶ | 14 ³⁹ | 8 ⁵³ | 6 ¹² 12 | 12 ⁵¹ | 27 ¹⁷ |
| M22 | 19 58 34 | 28 ⁵⁷ 50 | 28 ⁵⁴ | 21 ¹⁵ | 12 ¹⁸ | 20 ⁸ | 26 ²⁰ | 14 ⁴⁰ | 8 ⁵⁴ | 6 ¹³ 13 | 12 ⁵¹ | 27 ¹⁸ |
| T 23 | 20 2 31 | 29 ⁵⁵ 10 | 29 ⁵⁰ | 24 ⁵ | 13 ⁵⁵ | 20 ³⁵ | 26 ²⁵ | 14 ⁴² | 8 ⁵⁴ | 6 ¹³ 13 | 12 ⁵¹ | 27 ²⁰ |
| W24 | 20 6 27 | 0 ⁵² 31 | 0 ⁴⁶ | 26 ⁵³ | 15 ³² | 21 ¹ | 26 ³⁰ | 14 ⁴⁴ | 8 ⁵⁵ | 6 ¹³ 13 | 12 ⁵² | 27 ²² |
| T 25 | 20 10 24 | 1 ⁴⁹ 53 | 1 ⁴² | 29 ⁴⁰ | 17 ⁹ | 21 ²⁸ | 26 ³⁴ | 14 ⁴⁶ | 8 ⁵⁶ | 6 ¹⁴ 14 | 12 ⁵² | 27 ²³ |
| F 26 | 20 14 20 | 2 ⁴⁷ 14 | 2 ³⁹ | 2 ²⁷ | 18 ⁴⁵ | 21 ⁵⁴ | 26 ³⁹ | 14 ⁴⁸ | 8 ⁵⁶ | 6 ¹⁴ 14 | 12 ⁵³ | 27 ²⁵ |
| S 27 | 20 18 17 | 3 ⁴⁴ 37 | 3 ³⁶ | 5 ¹² | 20 ²² | 22 ²¹ | 26 ⁴⁴ | 14 ⁴⁹ | 8 ⁵⁷ | 6 ¹⁴ 14 | 12 ⁵³ | 27 ²⁷ |
| S 28 | 20 22 13 | 4 ⁴² 00 | 4 ³⁴ | 7 ⁵⁷ | 21 ⁵⁹ | 22 ⁴⁷ | 26 ⁴⁸ | 14 ⁵¹ | 8 ⁵⁸ | 6 ¹⁵ 15 | 12 ⁵³ | 27 ²⁸ |
| M29 | 20 26 10 | 5 ³⁹ 23 | 5 ³² | 10 ⁴² | 23 ³⁵ | 23 ¹⁴ | 26 ⁵³ | 14 ⁵³ | 8 ⁵⁸ | 6 ¹⁵ 15 | 12 ⁵⁴ | 27 ³⁰ |
| T 30 | 20 30 7 | 6 ³⁶ 47 | 6 ³⁰ | 13 ²⁷ | 25 ¹² | 23 ⁴¹ | 26 ⁵⁸ | 14 ⁵⁵ | 8 ⁵⁹ | 6 ¹⁶ 16 | 12 ⁵⁴ | 27 ³² |
| W31 | 20 34 3 | 7 ³⁴ 12 | 7 ²⁹ | 16 ¹¹ | 26 ⁴⁸ | 24 ¹⁷ | 27 ² | 14 ⁵⁷ | 9 ⁰ | 6 ¹⁶ 16 | 12 ⁵⁴ | 27 ³³ |

Delta T = 13.27 sec. Greg. Calendar

AUGUST 1754

00:00 UT

| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♄ |
|------|----------|---------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|--------------------|------------------|------------------|
| T 1 | 20 38 0 | 8 ³¹ 38 | 8 ²⁸ | 18 ⁵⁶ | 28 ²⁴ | 24 ³⁴ | 27 ⁷ | 14 ⁵⁹ | 9 ⁰ | 6 ¹⁶ 16 | 12 ⁵⁵ | 27 ³⁵ |
| F 2 | 20 41 56 | 9 ²⁹ 05 | 9 ²⁷ | 21 ⁴² | 0 ¹ | 25 ¹ | 27 ¹² | 15 ⁰ | 9 ¹ | 6 ¹⁷ | 12 ⁵⁵ | 27 ³⁷ |
| S 3 | 20 45 53 | 10 ²⁶ 32 | 10 ²⁶ | 24 ²⁸ | 1 ³⁷ | 25 ²⁷ | 27 ¹⁶ | 15 ² | 9 ² | 6 ¹⁷ | 12 ⁵⁶ | 27 ³⁸ |
| S 4 | 20 49 49 | 11 ²⁴ 01 | 11 ²⁶ | 27 ¹⁵ | 3 ¹³ | 25 ⁵⁴ | 27 ²¹ | 15 ⁴ | 9 ² | 6 ¹⁷ | 12 ⁵⁶ | 27 ⁴⁰ |
| M 5 | 20 53 46 | 12 ²¹ 30 | 12 ²⁵ | 0 ³ | 4 ⁵⁰ | 26 ²¹ | 27 ²⁶ | 15 ⁶ | 9 ³ | 6 ¹⁸ | 12 ⁵⁶ | 27 ⁴¹ |
| T 6 | 20 57 42 | 13 ¹⁹ 01 | 13 ²⁴ | 2 ⁵³ | 6 ²⁶ | 26 ⁴⁷ | 27 ³⁰ | 15 ⁸ | 9 ³ | 6 ¹⁸ | 12 ⁵⁷ | 27 ⁴³ |
| W 7 | 21 1 39 | 14 ¹⁶ 33 | 14 ²³ | 5 ⁴⁴ | 8 ² | 27 ¹⁴ | 27 ³⁵ | 15 ⁹ | 9 ⁴ | 6 ¹⁸ | 12 ⁵⁷ | 27 ⁴⁵ |
| T 8 | 21 5 36 | 15 ¹⁴ 06 | 15 ²² | 8 ³⁷ | 9 ³⁸ | 27 ⁴¹ | 27 ⁴⁰ | 15 ¹¹ | 9 ⁵ | 6 ¹⁹ | 12 ⁵⁸ | 27 ⁴⁶ |
| F 9 | 21 9 32 | 16 ¹¹ 41 | 16 ²⁰ | 11 ³² | 11 ¹⁴ | 28 ⁷ | 27 ⁴⁴ | 15 ¹³ | 9 ⁵ | 6 ¹⁹ | 12 ⁵⁸ | 27 ⁴⁸ |
| S 10 | 21 13 29 | 17 ⁹ 17 | 17 ¹⁸ | 14 ³⁰ | 12 ⁵⁰ | 28 ³⁴ | 27 ⁴⁹ | 15 ¹⁵ | 9 ⁶ | 6 ²⁰ | 12 ⁵⁸ | 27 ⁵⁰ |
| S 11 | 21 17 25 | 18 ⁶ 54 | 18 ¹⁶ | 17 ²⁹ | 14 ²⁶ | 29 ¹ | 27 ⁵⁴ | 15 ¹⁷ | 9 ⁷ | 6 ²⁰ | 12 ⁵⁹ | 27 ⁵¹ |
| M12 | 21 21 22 | 19 ⁴ 34 | 19 ¹³ | 20 ³² | 16 ² | 29 ²⁸ | 27 ⁵⁸ | 15 ¹⁸ | 9 ⁷ | 6 ²⁰ | 12 ⁵⁹ | 27 ⁵³ |
| T 13 | 21 25 18 | 20 ² 14 | 20 ¹⁰ | 23 ³⁷ | 17 ³⁸ | 29 ⁵⁵ | 28 ³ | 15 ²⁰ | 9 ⁸ | 6 ²¹ | 12 ⁵⁹ | 27 ⁵⁵ |
| W14 | 21 29 15 | 20 ⁵⁹ 57 | 21 ⁷ | 26 ⁴⁶ | 19 ¹³ | 0 ²² | 28 ⁸ | 15 ²² | 9 ⁹ | 6 ²¹ | 13 ⁰ | 27 ⁵⁶ |
| T 15 | 21 33 11 | 21 ⁵⁷ 41 | 22 ⁴ | 29 ⁵⁸ | 20 ⁴⁹ | 0 ⁴⁸ | 28 ¹² | 15 ²⁴ | 9 ⁹ | 6 ²¹ | 13 ⁰ | 27 ⁵⁸ |
| F 16 | 21 37 8 | 22 ⁵⁵ 26 | 23 ⁰ | 3 ¹⁵ | 22 ²⁵ | 1 ¹⁵ | 28 ¹⁷ | 15 ²⁶ | 9 ¹⁰ | 6 ²² | 13 ¹ | 27 ⁵⁹ |
| S 17 | 21 41 5 | 23 ⁵³ 14 | 23 ⁵⁶ | 6 ³⁵ | 24 ⁰ | 1 ⁴² | 28 ²² | 15 ²⁷ | 9 ¹¹ | 6 ²² | 13 ¹ | 28 ¹ |
| S 18 | 21 45 1 | 24 ⁵¹ 02 | 24 ⁵² | 10 ⁰ | 25 ³⁶ | 2 ⁹ | 28 ²⁶ | 15 ²⁹ | 9 ¹¹ | 6 ²² | 13 ¹ | 28 ³ |
| M19 | 21 48 58 | 25 ⁴⁸ 52 | 25 ⁴⁸ | 13 ³⁰ | 27 ¹² | 2 ³⁶ | 28 ³¹ | 15 ³¹ | 9 ¹² | 6 ²³ | 13 ² | 28 ⁴ |
| T 20 | 21 52 54 | 26 ⁴⁶ 43 | 26 ⁴³ | 17 ⁵ | 28 ⁴⁷ | 3 ³ | 28 ³⁵ | 15 ³³ | 9 ¹³ | 6 ²³ | 13 ² | 28 ⁶ |
| W21 | 21 56 51 | 27 ⁴⁴ 36 | 27 ⁴⁰ | 20 ⁴⁵ | 0 ²³ | 3 ³⁰ | 28 ⁴⁰ | 15 ³⁵ | 9 ¹³ | 6 ²⁴ | 13 ³ | 28 ⁸ |
| T 22 | 22 0 47 | 28 ⁴² 30 | 28 ³⁶ | 24 ³² | 1 ⁵⁸ | 3 ⁵⁷ | 28 ⁴⁵ | 15 ³⁶ | 9 ¹⁴ | 6 ²⁴ | 13 ³ | 28 ⁹ |
| F 23 | 22 4 44 | 29 ⁴⁰ 25 | 29 ³³ | 28 ²⁴ | 3 ³⁴ | 4 ²⁴ | 28 ⁴⁹ | 15 ³⁸ | 9 ¹⁴ | 6 ²⁴ | 13 ³ | 28 ¹¹ |
| S 24 | 22 8 40 | 0 ³⁸ 22 | 0 ³⁰ | 2 ²³ | 5 ⁹ | 4 ⁵¹ | 28 ⁵⁴ | 15 ⁴⁰ | 9 ¹⁵ | 6 ²⁵ | 13 ⁴ | 28 ¹² |
| S 25 | 22 12 37 | 1 ³⁶ 20 | 1 ²⁸ | 6 ³⁰ | 6 ⁴⁴ | 5 ¹⁸ | 28 ⁵⁹ | 15 ⁴² | 9 ¹⁶ | 6 ²⁵ | 13 ⁴ | 28 ¹⁴ |
| M26 | 22 16 33 | 2 ³⁴ 19 | 2 ²⁶ | 10 ⁴³ | 8 ²⁰ | 5 ⁴⁶ | 29 ³ | 15 ⁴⁴ | 9 ¹⁶ | 6 ²⁵ | 13 ⁴ | 28 ¹⁶ |
| T 27 | 22 20 30 | 3 ³² 19 | 3 ²⁴ | 15 ⁵ | 9 ⁵⁵ | 6 ¹³ | 29 ⁸ | 15 ⁴⁵ | 9 ¹⁷ | 6 ²⁶ | 13 ⁵ | 28 ¹⁷ |
| W28 | 22 24 27 | 4 ³⁰ 21 | 4 ²³ | 19 ³⁴ | 11 ³⁰ | 6 ⁴⁰ | 29 ¹³ | 15 ⁴⁷ | 9 ¹⁸ | 6 ²⁶ | 13 ⁵ | 28 ¹⁹ |
| T 29 | 22 28 23 | 5 ²⁸ 25 | 5 ²² | 24 ¹² | 13 ⁶ | 7 ⁷ | 29 ¹⁷ | 15 ⁴⁹ | 9 ¹⁸ | 6 ²⁶ | 13 ⁶ | 28 ²¹ |
| F 30 | 22 32 20 | 6 ²⁶ 29 | 6 ²² | 28 ⁵⁸ | 14 ⁴¹ | 7 ³⁴ | 29 ²² | 15 ⁵¹ | 9 ¹⁹ | 6 ²⁷ | 13 ⁶ | 28 ²² |
| S 31 | 22 36 16 | 7 ²⁴ 36 | 7 ²² | 3 ⁵⁴ | 16 ¹⁶ | 8 ¹ | 29 ²⁷ | 15 ⁵³ | 9 ²⁰ | 6 ²⁷ | 13 ⁶ | 28 ²⁴ |

Delta T = 13.27 sec. Greg. Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1754
heliocentric

SEPTEMBER 1754

00:00 UT

| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♃ |
|------|----------|-----------------------|--------------------|---------------------|---------------------|--------------------|---------------------|---------------------|--------------------|--------------------|--------------------|---------------------|
| S 1 | 22 40 13 | 8 ^h 22'43" | 8 ^h 21' | 8 ^h 58' | 17 ^h 51' | 8 ^h 29' | 29 ^h 31' | 15 ^h 54' | 9 ^h 20' | 6 ^h 27' | 13 ^h 7' | 28 ^h 26' |
| M 2 | 22 44 9 | 9°20'53" | 9°21' | 14°12' | 19°26' | 8°56' | 29°36' | 15°56' | 9°21' | 6°28' | 13°7' | 28°27' |
| T 3 | 22 48 6 | 10°19'04" | 10°21' | 19°35' | 21°1' | 9°23' | 29°41' | 15°58' | 9°22' | 6°28' | 13°7' | 28°29' |
| W 4 | 22 52 2 | 11°17'17" | 11°21' | 25°6' | 22°36' | 9°51' | 29°45' | 16°0' | 9°22' | 6°29' | 13°8' | 28°30' |
| T 5 | 22 55 59 | 12°15'32" | 12°21' | 0 ^h 47' | 24°11' | 10°18' | 29°50' | 16°2' | 9°23' | 6°29' | 13°8' | 28°32' |
| F 6 | 22 59 56 | 13°13'49" | 13°20' | 6°35' | 25°46' | 10°45' | 29°54' | 16°3' | 9°23' | 6°29' | 13°9' | 28°34' |
| S 7 | 23 3 52 | 14°12'08" | 14°20' | 12°31' | 27°21' | 11°13' | 29°59' | 16°5' | 9°24' | 6°30' | 13°9' | 28°35' |
| S 8 | 23 7 49 | 15°10'29" | 15°19' | 18°34' | 28°56' | 11°40' | 0 ^h 4' | 16°7' | 9°25' | 6°30' | 13°9' | 28°37' |
| M 9 | 23 11 45 | 16°8'52" | 16°18' | 24°43' | 0 ^h 31' | 12°8' | 0°8' | 16°9' | 9°25' | 6°30' | 13°10' | 28°38' |
| T 10 | 23 15 42 | 17°7'18" | 17°16' | 0 ^h 56' | 2°6' | 12°35' | 0°13' | 16°11' | 9°26' | 6°31' | 13°10' | 28°40' |
| W 11 | 23 19 38 | 18°5'45" | 18°14' | 7°13' | 3°41' | 13°3' | 0°18' | 16°13' | 9°27' | 6°31' | 13°11' | 28°42' |
| T 12 | 23 23 35 | 19°4'15" | 19°12' | 13°31' | 5°16' | 13°30' | 0°22' | 16°14' | 9°27' | 6°31' | 13°11' | 28°43' |
| F 13 | 23 27 31 | 20°2'47" | 20°9' | 19°50' | 6°51' | 13°58' | 0°27' | 16°16' | 9°28' | 6°32' | 13°11' | 28°45' |
| S 14 | 23 31 28 | 21°1'21" | 21°6' | 26°9' | 8°26' | 14°26' | 0°32' | 16°18' | 9°29' | 6°32' | 13°12' | 28°47' |
| S 15 | 23 35 25 | 21°59'57" | 22°3' | 2 ^h 24' | 10°1' | 14°53' | 0°36' | 16°20' | 9°29' | 6°33' | 13°12' | 28°48' |
| M 16 | 23 39 21 | 22°58'35" | 23°0' | 8°36' | 11°36' | 15°21' | 0°41' | 16°22' | 9°30' | 6°33' | 13°12' | 28°50' |
| T 17 | 23 43 18 | 23°57'15" | 23°57' | 14°42' | 13°10' | 15°49' | 0°46' | 16°23' | 9°30' | 6°33' | 13°13' | 28°51' |
| W 18 | 23 47 14 | 24°55'57" | 24°53' | 20°43' | 14°45' | 16°17' | 0°50' | 16°25' | 9°31' | 6°34' | 13°13' | 28°53' |
| T 19 | 23 51 11 | 25°54'41" | 25°50' | 26°35' | 16°20' | 16°44' | 0°55' | 16°27' | 9°32' | 6°34' | 13°14' | 28°55' |
| F 20 | 23 55 7 | 26°53'27" | 26°47' | 2 ^h 20' | 17°55' | 17°12' | 0°59' | 16°29' | 9°32' | 6°34' | 13°14' | 28°56' |
| S 21 | 23 59 4 | 27°52'14" | 27°45' | 7°55' | 19°30' | 17°40' | 1°4' | 16°31' | 9°33' | 6°35' | 13°14' | 28°58' |
| S 22 | 0 3 0 | 28°51'03" | 28°43' | 13°21' | 21°5' | 18°8' | 1°9' | 16°32' | 9°34' | 6°35' | 13°15' | 28°59' |
| M 23 | 0 6 57 | 29°49'54" | 29°41' | 18°38' | 22°40' | 18°36' | 1°13' | 16°34' | 9°34' | 6°35' | 13°15' | 29°1' |
| T 24 | 0 10 54 | 0 ^h 48'47" | 0 ^h 40' | 23°45' | 24°14' | 19°4' | 1°18' | 16°36' | 9°35' | 6°36' | 13°15' | 29°3' |
| W 25 | 0 14 50 | 1°47'42" | 1°39' | 28°42' | 25°49' | 19°32' | 1°23' | 16°38' | 9°36' | 6°36' | 13°16' | 29°4' |
| T 26 | 0 18 47 | 2°46'38" | 2°39' | 3 ^h 30' | 27°24' | 20°0' | 1°27' | 16°40' | 9°36' | 6°37' | 13°16' | 29°6' |
| F 27 | 0 22 43 | 3°45'36" | 3°39' | 8°9' | 28°59' | 20°28' | 1°32' | 16°41' | 9°37' | 6°37' | 13°17' | 29°8' |
| S 28 | 0 26 40 | 4°44'35" | 4°39' | 12°39' | 0 ^h 34' | 20°56' | 1°37' | 16°43' | 9°38' | 6°37' | 13°17' | 29°9' |
| S 29 | 0 30 36 | 5°43'37" | 5°40' | 17°0' | 2°8' | 21°24' | 1°41' | 16°45' | 9°38' | 6°38' | 13°17' | 29°11' |
| M 30 | 0 34 33 | 6°42'40" | 6°40' | 21 ^h 13' | 3 ^h 43' | 21°52' | 1 ^h 46' | 16°47' | 9°39' | 6°38' | 13°18' | 29°12' |

Delta T = 13.27 sec.

Greg. Calendar

OCTOBER 1754

00:00 UT

| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♃ |
|------|---------|-----------------------|--------------------|---------------------|---------------------|---------------------|--------------------|---------------------|--------------------|--------------------|---------------------|---------------------|
| T 1 | 0 38 29 | 7 ^h 41'46" | 7 ^h 41' | 25 ^h 18' | 5 ^h 18' | 22 ^h 20' | 1 ^h 50' | 16 ^h 49' | 9 ^h 39' | 6 ^h 38' | 13 ^h 18' | 29 ^h 14' |
| W 2 | 0 42 26 | 8°40'53" | 8°42' | 29°15' | 6°53' | 22°49' | 1°55' | 16°50' | 9°40' | 6°39' | 13°19' | 29°16' |
| T 3 | 0 46 22 | 9°40'03" | 9°43' | 3 ^h 6' | 8°28' | 23°17' | 2°0' | 16°52' | 9°41' | 6°39' | 13°19' | 29°17' |
| F 4 | 0 50 19 | 10°39'15" | 10°44' | 6°51' | 10°3' | 23°45' | 2°4' | 16°54' | 9°41' | 6°39' | 13°19' | 29°19' |
| S 5 | 0 54 16 | 11°38'29" | 11°44' | 10°29' | 11°38' | 24°13' | 2°9' | 16°56' | 9°42' | 6°40' | 13°20' | 29°20' |
| S 6 | 0 58 12 | 12°37'45" | 12°45' | 14°1' | 13°13' | 24°42' | 2°14' | 16°58' | 9°43' | 6°40' | 13°20' | 29°22' |
| M 7 | 1 2 9 | 13°37'03" | 13°45' | 17°29' | 14°47' | 25°10' | 2°18' | 16°59' | 9°43' | 6°40' | 13°20' | 29°24' |
| T 8 | 1 6 5 | 14°36'24" | 14°45' | 20°51' | 16°22' | 25°39' | 2°23' | 17°1' | 9°44' | 6°41' | 13°21' | 29°25' |
| W 9 | 1 10 2 | 15°35'47" | 15°45' | 24°9' | 17°57' | 26°7' | 2°28' | 17°3' | 9°45' | 6°41' | 13°21' | 29°27' |
| T 10 | 1 13 58 | 16°35'13" | 16°44' | 27°23' | 19°32' | 26°36' | 2°32' | 17°5' | 9°45' | 6°42' | 13°22' | 29°28' |
| F 11 | 1 17 55 | 17°34'40" | 17°43' | 0 ^h 33' | 21°7' | 27°4' | 2°37' | 17°7' | 9°46' | 6°42' | 13°22' | 29°30' |
| S 12 | 1 21 51 | 18°34'10" | 18°41' | 3°39' | 22°42' | 27°33' | 2°41' | 17°9' | 9°47' | 6°42' | 13°22' | 29°32' |
| S 13 | 1 25 48 | 19°33'43" | 19°39' | 6°42' | 24°17' | 28°1' | 2°46' | 17°10' | 9°47' | 6°43' | 13°23' | 29°33' |
| M 14 | 1 29 45 | 20°33'17" | 20°37' | 9°43' | 25°52' | 28°30' | 2°51' | 17°12' | 9°48' | 6°43' | 13°23' | 29°35' |
| T 15 | 1 33 41 | 21°32'54" | 21°35' | 12°40' | 27°27' | 28°59' | 2°55' | 17°14' | 9°48' | 6°43' | 13°23' | 29°36' |
| W 16 | 1 37 38 | 22°32'33" | 22°33' | 15°36' | 29°2' | 29°27' | 3°0' | 17°16' | 9°49' | 6°44' | 13°24' | 29°38' |
| T 17 | 1 41 34 | 23°32'14" | 23°30' | 18°29' | 0 ^h 37' | 29°56' | 3°5' | 17°18' | 9°50' | 6°44' | 13°24' | 29°40' |
| F 18 | 1 45 31 | 24°31'57" | 24°28' | 21°20' | 2°12' | 0 ^h 25' | 3°9' | 17°19' | 9°50' | 6°44' | 13°25' | 29°41' |
| S 19 | 1 49 27 | 25°31'42" | 25°26' | 24°10' | 3°47' | 0°54' | 3°14' | 17°21' | 9°51' | 6°45' | 13°25' | 29°43' |
| S 20 | 1 53 24 | 26°31'28" | 26°24' | 26°58' | 5°23' | 1°23' | 3°18' | 17°23' | 9°52' | 6°45' | 13°25' | 29°44' |
| M 21 | 1 57 20 | 27°31'16" | 27°23' | 29°46' | 6°58' | 1°52' | 3°23' | 17°25' | 9°52' | 6°46' | 13°26' | 29°46' |
| T 22 | 2 1 17 | 28°31'06" | 28°22' | 2 ^h 32' | 8°33' | 2°21' | 3°28' | 17°27' | 9°53' | 6°46' | 13°26' | 29°48' |
| W 23 | 2 5 14 | 29°30'58" | 29°22' | 5°17' | 10°8' | 2°50' | 3°32' | 17°28' | 9°54' | 6°46' | 13°27' | 29°49' |
| T 24 | 2 9 10 | 0 ^h 30'51" | 0 ^h 22' | 8°2' | 11°43' | 3°19' | 3°37' | 17°30' | 9°54' | 6°47' | 13°27' | 29°51' |
| F 25 | 2 13 7 | 1°30'46" | 1°22' | 10°47' | 13°18' | 3°48' | 3°42' | 17°32' | 9°55' | 6°47' | 13°27' | 29°52' |
| S 26 | 2 17 3 | 2°30'43" | 2°23' | 13°32' | 14°54' | 4°17' | 3°46' | 17°34' | 9°56' | 6°47' | 13°28' | 29°54' |
| S 27 | 2 21 0 | 3°30'41" | 3°24' | 16°16' | 16°29' | 4°46' | 3°51' | 17°36' | 9°56' | 6°48' | 13°28' | 29°56' |
| M 28 | 2 24 56 | 4°30'41" | 4°25' | 19°2' | 18°4' | 5°16' | 3°55' | 17°37' | 9°57' | 6°48' | 13°28' | 29°57' |
| T 29 | 2 28 53 | 5°30'43" | 5°27' | 21°47' | 19°39' | 5°45' | 4°0' | 17°39' | 9°57' | 6°48' | 13°29' | 29°59' |
| W 30 | 2 32 49 | 6°30'46" | 6°29' | 24°33' | 21°15' | 6°14' | 4°5' | 17°41' | 9°58' | 6°49' | 13°29' | 0 ^h 0' |
| T 31 | 2 36 46 | 7 ^h 30'52" | 7 ^h 31' | 27 ^h 21' | 22 ^h 50' | 6 ^h 44' | 4 ^h 9' | 17 ^h 43' | 9 ^h 59' | 6 ^h 49' | 13 ^h 30' | 0 ^h 2' |

Delta T = 13.27 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1754
heliocentric

NOVEMBER 1754

00:00 UT

| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♃ |
|------|---------|----------|-------|-------|-------|-------|------|-------|-------|------|-------|------|
| F 1 | 2 40 42 | 8♃30'59 | 8♃32 | 0♃ 9 | 24♂25 | 7♁13 | 4♁14 | 17♂45 | 9♂59 | 6♁50 | 13♂30 | 0♃ 4 |
| S 2 | 2 44 39 | 9°31'08 | 9°34 | 2°59 | 26° 1 | 7°42 | 4°19 | 17°46 | 10° 0 | 6°50 | 13°30 | 0° 5 |
| S 3 | 2 48 36 | 10°31'19 | 10°36 | 5°50 | 27°36 | 8°12 | 4°23 | 17°48 | 10° 1 | 6°50 | 13°31 | 0° 7 |
| M 4 | 2 52 32 | 11°31'32 | 11°38 | 8°43 | 29°12 | 8°42 | 4°28 | 17°50 | 10° 1 | 6°51 | 13°31 | 0° 8 |
| T 5 | 2 56 29 | 12°31'47 | 12°39 | 11°38 | 0♂47 | 9°11 | 4°32 | 17°52 | 10° 2 | 6°51 | 13°31 | 0°10 |
| W 6 | 3 0 25 | 13°32'04 | 13°40 | 14°35 | 2°23 | 9°41 | 4°37 | 17°54 | 10° 3 | 6°51 | 13°32 | 0°11 |
| T 7 | 3 4 22 | 14°32'22 | 14°41 | 17°35 | 3°58 | 10°10 | 4°42 | 17°55 | 10° 3 | 6°52 | 13°32 | 0°13 |
| F 8 | 3 8 18 | 15°32'43 | 15°41 | 20°38 | 5°34 | 10°40 | 4°46 | 17°57 | 10° 4 | 6°52 | 13°33 | 0°15 |
| S 9 | 3 12 15 | 16°33'06 | 16°41 | 23°43 | 7° 9 | 11°10 | 4°51 | 17°59 | 10° 5 | 6°52 | 13°33 | 0°16 |
| S 10 | 3 16 11 | 17°33'31 | 17°41 | 26°52 | 8°45 | 11°40 | 4°56 | 18° 1 | 10° 5 | 6°53 | 13°33 | 0°18 |
| M 11 | 3 20 8 | 18°33'57 | 18°40 | 0♁ 5 | 10°20 | 12°10 | 5° 0 | 18° 3 | 10° 6 | 6°53 | 13°34 | 0°19 |
| T 12 | 3 24 5 | 19°34'26 | 19°39 | 3°21 | 11°56 | 12°40 | 5° 5 | 18° 5 | 10° 6 | 6°54 | 13°34 | 0°21 |
| W 13 | 3 28 1 | 20°34'56 | 20°38 | 6°42 | 13°32 | 13°10 | 5° 9 | 18° 6 | 10° 7 | 6°54 | 13°35 | 0°23 |
| T 14 | 3 31 58 | 21°35'28 | 21°36 | 10° 7 | 15° 7 | 13°40 | 5°14 | 18° 8 | 10° 8 | 6°54 | 13°35 | 0°24 |
| F 15 | 3 35 54 | 22°36'02 | 22°35 | 13°36 | 16°43 | 14°10 | 5°19 | 18°10 | 10° 8 | 6°55 | 13°35 | 0°26 |
| S 16 | 3 39 51 | 23°36'37 | 23°34 | 17°12 | 18°19 | 14°40 | 5°23 | 18°12 | 10° 9 | 6°55 | 13°36 | 0°27 |
| S 17 | 3 43 47 | 24°37'14 | 24°32 | 20°52 | 19°55 | 15°10 | 5°28 | 18°14 | 10°10 | 6°55 | 13°36 | 0°29 |
| M 18 | 3 47 44 | 25°37'52 | 25°31 | 24°39 | 21°30 | 15°40 | 5°33 | 18°15 | 10°10 | 6°56 | 13°36 | 0°31 |
| T 19 | 3 51 40 | 26°38'31 | 26°31 | 28°32 | 23° 6 | 16°10 | 5°37 | 18°17 | 10°11 | 6°56 | 13°37 | 0°32 |
| W 20 | 3 55 37 | 27°39'12 | 27°31 | 2♂31 | 24°42 | 16°41 | 5°42 | 18°19 | 10°12 | 6°56 | 13°37 | 0°34 |
| T 21 | 3 59 34 | 28°39'53 | 28°31 | 6°37 | 26°18 | 17°11 | 5°46 | 18°21 | 10°12 | 6°57 | 13°38 | 0°35 |
| F 22 | 4 3 30 | 29°40'35 | 29°31 | 10°51 | 27°54 | 17°41 | 5°51 | 18°23 | 10°13 | 6°57 | 13°38 | 0°37 |
| S 23 | 4 7 27 | 0♁41'19 | 0♁32 | 15°13 | 29°30 | 18°12 | 5°56 | 18°24 | 10°14 | 6°58 | 13°38 | 0°38 |
| S 24 | 4 11 23 | 1°42'03 | 1°34 | 19°43 | 1♂ 6 | 18°42 | 6° 0 | 18°26 | 10°14 | 6°58 | 13°39 | 0°40 |
| M 25 | 4 15 20 | 2°42'49 | 2°35 | 24°21 | 2°42 | 19°13 | 6° 5 | 18°28 | 10°15 | 6°58 | 13°39 | 0°42 |
| T 26 | 4 19 16 | 3°43'36 | 3°37 | 29° 8 | 4°18 | 19°44 | 6° 9 | 18°30 | 10°15 | 6°59 | 13°39 | 0°43 |
| W 27 | 4 23 13 | 4°44'23 | 4°39 | 4♂ 3 | 5°54 | 20°14 | 6°14 | 18°32 | 10°16 | 6°59 | 13°40 | 0°45 |
| T 28 | 4 27 9 | 5°45'12 | 5°42 | 9° 8 | 7°30 | 20°45 | 6°19 | 18°33 | 10°17 | 6°59 | 13°40 | 0°46 |
| F 29 | 4 31 6 | 6°46'02 | 6°44 | 14°22 | 9° 6 | 21°16 | 6°23 | 18°35 | 10°17 | 7° 0 | 13°41 | 0°48 |
| S 30 | 4 35 3 | 7♁46'53 | 7♁47 | 19♂45 | 10♂42 | 21♁47 | 6♁28 | 18♂37 | 10♂18 | 7♁ 0 | 13♂41 | 0♂49 |

Delta T = 13.27 sec.

Greg. Calendar

DECEMBER 1754

00:00 UT

| Day | Sid.t | Terra | ☾ | ♃ | ♄ | ♅ | ♆ | ♁ | ♂ | ♆ | ♁ | ♃ |
|------|---------|----------|-------|-------|-------|-------|------|-------|-------|------|-------|------|
| S 1 | 4 38 59 | 8♁47'45 | 8♁50 | 25♂17 | 12♂18 | 22♁17 | 6♁33 | 18♂39 | 10♂19 | 7♁ 0 | 13♂41 | 0♂51 |
| M 2 | 4 42 56 | 9°48'38 | 9°52 | 0♂57 | 13°54 | 22°48 | 6°37 | 18°41 | 10°19 | 7° 1 | 13°42 | 0°53 |
| T 3 | 4 46 52 | 10°49'33 | 10°55 | 6°46 | 15°30 | 23°19 | 6°42 | 18°43 | 10°20 | 7° 1 | 13°42 | 0°54 |
| W 4 | 4 50 49 | 11°50'28 | 11°57 | 12°42 | 17° 7 | 23°50 | 6°46 | 18°44 | 10°21 | 7° 1 | 13°43 | 0°56 |
| T 5 | 4 54 45 | 12°51'25 | 12°59 | 18°45 | 18°43 | 24°21 | 6°51 | 18°46 | 10°21 | 7° 2 | 13°43 | 0°57 |
| F 6 | 4 58 42 | 13°52'23 | 14° 1 | 24°54 | 20°19 | 24°52 | 6°56 | 18°48 | 10°22 | 7° 2 | 13°43 | 0°59 |
| S 7 | 5 2 38 | 14°53'22 | 15° 2 | 1♁ 8 | 21°56 | 25°24 | 7° 0 | 18°50 | 10°23 | 7° 3 | 13°44 | 1° 0 |
| S 8 | 5 6 35 | 15°54'22 | 16° 3 | 7°25 | 23°32 | 25°55 | 7° 5 | 18°52 | 10°23 | 7° 3 | 13°44 | 1° 2 |
| M 9 | 5 10 32 | 16°55'24 | 17° 3 | 13°43 | 25° 8 | 26°26 | 7° 9 | 18°53 | 10°24 | 7° 3 | 13°44 | 1° 4 |
| T 10 | 5 14 28 | 17°56'26 | 18° 3 | 20° 2 | 26°45 | 26°58 | 7°14 | 18°55 | 10°25 | 7° 4 | 13°45 | 1° 5 |
| W 11 | 5 18 25 | 18°57'30 | 19° 3 | 26°21 | 28°21 | 27°29 | 7°19 | 18°57 | 10°25 | 7° 4 | 13°45 | 1° 7 |
| T 12 | 5 22 21 | 19°58'34 | 20° 2 | 2♁36 | 29°58 | 28° 0 | 7°23 | 18°59 | 10°26 | 7° 4 | 13°46 | 1° 8 |
| F 13 | 5 26 18 | 20°59'39 | 21° 2 | 8°48 | 1♁34 | 28°32 | 7°28 | 19° 1 | 10°26 | 7° 5 | 13°46 | 1°10 |
| S 14 | 5 30 14 | 22° 0'46 | 22° 1 | 14°54 | 3°11 | 29° 3 | 7°32 | 19° 2 | 10°27 | 7° 5 | 13°46 | 1°11 |
| S 15 | 5 34 11 | 23° 1'52 | 23° 0 | 20°54 | 4°47 | 29°35 | 7°37 | 19° 4 | 10°28 | 7° 5 | 13°47 | 1°13 |
| M 16 | 5 38 8 | 24° 3'00 | 23°59 | 26°46 | 6°24 | 0♂ 7 | 7°42 | 19° 6 | 10°28 | 7° 6 | 13°47 | 1°15 |
| T 17 | 5 42 4 | 25° 4'07 | 24°59 | 2♁30 | 8° 0 | 0°38 | 7°46 | 19° 8 | 10°29 | 7° 6 | 13°47 | 1°16 |
| W 18 | 5 46 1 | 26° 5'15 | 25°58 | 8° 6 | 9°37 | 1°10 | 7°51 | 19°10 | 10°30 | 7° 7 | 13°48 | 1°18 |
| T 19 | 5 49 57 | 27° 6'23 | 26°58 | 13°31 | 11°14 | 1°42 | 7°55 | 19°11 | 10°30 | 7° 7 | 13°48 | 1°19 |
| F 20 | 5 53 54 | 28° 7'31 | 27°59 | 18°48 | 12°50 | 2°14 | 8° 0 | 19°13 | 10°31 | 7° 7 | 13°49 | 1°21 |
| S 21 | 5 57 50 | 29° 8'40 | 28°59 | 23°55 | 14°27 | 2°46 | 8° 5 | 19°15 | 10°32 | 7° 8 | 13°49 | 1°22 |
| S 22 | 6 1 47 | 0♁ 9'48 | 0♁ 0 | 28°52 | 16° 4 | 3°18 | 8° 9 | 19°17 | 10°32 | 7° 8 | 13°49 | 1°24 |
| M 23 | 6 5 43 | 1°10'57 | 1° 2 | 3♁39 | 17°41 | 3°50 | 8°14 | 19°19 | 10°33 | 7° 8 | 13°50 | 1°26 |
| T 24 | 6 9 40 | 2°12'05 | 2° 4 | 8°18 | 19°18 | 4°22 | 8°19 | 19°21 | 10°34 | 7° 9 | 13°50 | 1°27 |
| W 25 | 6 13 37 | 3°13'14 | 3° 6 | 12°47 | 20°54 | 4°54 | 8°23 | 19°22 | 10°34 | 7° 9 | 13°51 | 1°29 |
| T 26 | 6 17 33 | 4°14'23 | 4° 8 | 17° 8 | 22°31 | 5°26 | 8°28 | 19°24 | 10°35 | 7° 9 | 13°51 | 1°30 |
| F 27 | 6 21 30 | 5°15'31 | 5°11 | 21°20 | 24° 8 | 5°59 | 8°32 | 19°26 | 10°35 | 7°10 | 13°51 | 1°32 |
| S 28 | 6 25 26 | 6°16'40 | 6°14 | 25°25 | 25°45 | 6°31 | 8°37 | 19°28 | 10°36 | 7°10 | 13°52 | 1°33 |
| S 29 | 6 29 23 | 7°17'49 | 7°17 | 29°23 | 27°22 | 7° 3 | 8°42 | 19°30 | 10°37 | 7°11 | 13°52 | 1°35 |
| M 30 | 6 33 19 | 8°18'57 | 8°20 | 3♁13 | 28°59 | 7°36 | 8°46 | 19°31 | 10°37 | 7°11 | 13°52 | 1°37 |
| T 31 | 6 37 16 | 9♁20'06 | 9♁23 | 6♁58 | 0♁36 | 8♂ 8 | 8♁51 | 19♂33 | 10♂38 | 7♁11 | 13♂53 | 1♂38 |

Delta T = 13.27 sec.

Greg. Calendar

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