

SWISS EPHEMERIS for the year 2021

JANUARY 2021

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|---------|-----------------------|--------------------|---------------------|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|--------------------|----------------------|----------------------|--------------------|--------------------|
| F 1 | 6 43 28 | 10 ³ 46'47 | 2 ⁰ 44 | 17 ³ 43 | 20 ² 25 | 27 ⁷ 21 | 2 ² 47 | 1 ² 37 | 6 ⁰ 48 | 18 ¹ 28 | 24 ³ 11 | 19 ⁰ 53 | 18 ¹ 51 | 7 ⁸ 59 | 5 ⁷ 4 |
| S 2 | 6 47 24 | 11 ¹ 47'56 | 15 ⁰ 55 | 19 ⁰ 21 | 21 ¹ 40 | 27 ⁷ 48 | 3 ⁰ 1 | 1 ⁰ 44 | 6 ⁰ 47 | 18 ⁰ 30 | 24 ¹ 13 | 19 ¹ 50 | 18 ⁰ 48 | 8 ⁰ 6 | 5 ⁰ 4 |
| S 3 | 6 51 21 | 12 ⁰ 49'04 | 29 ⁰ 19 | 20 ⁰ 59 | 22 ⁰ 55 | 28 ⁰ 14 | 3 ⁰ 14 | 1 ⁰ 51 | 6 ⁰ 47 | 18 ⁰ 31 | 24 ⁰ 15 | 19 ⁰ 46 | 18 ⁰ 45 | 8 ⁰ 12 | 5 ⁰ 5 |
| M 4 | 6 55 17 | 13 ⁰ 50'13 | 12 ⁰ 55 | 22 ⁰ 37 | 24 ⁰ 10 | 28 ⁰ 40 | 3 ⁰ 28 | 1 ⁰ 58 | 6 ⁰ 46 | 18 ⁰ 32 | 24 ⁰ 17 | 19 ⁰ 43 | 18 ⁰ 42 | 8 ⁰ 19 | 5 ⁰ 6 |
| T 5 | 6 59 14 | 14 ⁰ 51'22 | 26 ⁰ 42 | 24 ⁰ 15 | 25 ⁰ 25 | 29 ⁰ 7 | 3 ⁰ 42 | 2 ⁰ 5 | 6 ⁰ 46 | 18 ⁰ 33 | 24 ⁰ 19 | 19 ⁰ 41 | 18 ⁰ 39 | 8 ⁰ 26 | 5 ⁰ 8 |
| W 6 | 7 3 10 | 15 ⁰ 52'31 | 10 ⁰ 39 | 25 ⁰ 54 | 26 ⁰ 40 | 29 ⁰ 34 | 3 ⁰ 56 | 2 ⁰ 12 | 6 ⁰ 45 | 18 ⁰ 34 | 24 ⁰ 21 | 19 ⁰ D39 | 18 ⁰ 36 | 8 ⁰ 32 | 5 ⁰ 9 |
| T 7 | 7 7 7 | 16 ⁰ 53'40 | 24 ⁰ 45 | 27 ⁰ 32 | 27 ⁰ 56 | 0 ⁰ 8 2 | 4 ⁰ 10 | 2 ⁰ 19 | 6 ⁰ 45 | 18 ⁰ 36 | 24 ⁰ 23 | 19 ⁰ 40 | 18 ⁰ 32 | 8 ⁰ 39 | 5 ⁰ 10 |
| F 8 | 7 11 3 | 17 ⁰ 54'50 | 8 ⁰ 58 | 29 ⁰ 11 | 29 ⁰ 11 | 0 ⁰ 29 | 4 ⁰ 24 | 2 ⁰ 26 | 6 ⁰ 44 | 18 ⁰ 37 | 24 ⁰ 25 | 19 ⁰ 41 | 18 ⁰ 29 | 8 ⁰ 46 | 5 ⁰ 11 |
| S 9 | 7 15 0 | 18 ⁰ 56'00 | 23 ⁰ 16 | 0 ⁰ 49 | 0 ⁰ 26 | 0 ⁰ 57 | 4 ⁰ 38 | 2 ⁰ 33 | 6 ⁰ 44 | 18 ⁰ 38 | 24 ⁰ 27 | 19 ⁰ 42 | 18 ⁰ 26 | 8 ⁰ 52 | 5 ⁰ 12 |
| S 10 | 7 18 57 | 19 ⁰ 57'10 | 7 ⁰ 38 | 2 ⁰ 27 | 1 ⁰ 41 | 1 ⁰ 25 | 4 ⁰ 52 | 2 ⁰ 40 | 6 ⁰ 44 | 18 ⁰ 40 | 24 ⁰ 29 | 19 ⁰ 44 | 18 ⁰ 23 | 8 ⁰ 59 | 5 ⁰ 14 |
| M 11 | 7 22 53 | 20 ⁰ 58'19 | 21 ⁰ 58 | 4 ⁰ 5 | 2 ⁰ 56 | 1 ⁰ 54 | 5 ⁰ 6 | 2 ⁰ 47 | 6 ⁰ 44 | 18 ⁰ 41 | 24 ⁰ 31 | 19 ⁰ R44 | 18 ⁰ 20 | 9 ⁰ 6 | 5 ⁰ 15 |
| T 12 | 7 26 50 | 21 ⁰ 59'29 | 6 ⁰ 33 | 5 ⁰ 43 | 4 ⁰ 12 | 2 ⁰ 22 | 5 ⁰ 20 | 2 ⁰ 54 | 6 ⁰ 43 | 18 ⁰ 42 | 24 ⁰ 33 | 19 ⁰ 43 | 18 ⁰ 17 | 9 ⁰ 12 | 5 ⁰ 16 |
| W 13 | 7 30 46 | 23 ⁰ 0'39 | 20 ⁰ 19 | 7 ⁰ 20 | 5 ⁰ 27 | 2 ⁰ 51 | 5 ⁰ 34 | 3 ⁰ 1 | 6 ⁰ 43 | 18 ⁰ 44 | 24 ⁰ 35 | 19 ⁰ 40 | 18 ⁰ 13 | 9 ⁰ 19 | 5 ⁰ 18 |
| T 14 | 7 34 43 | 24 ⁰ 1'48 | 4 ⁰ 40 | 8 ⁰ 56 | 6 ⁰ 42 | 3 ⁰ 20 | 5 ⁰ 48 | 3 ⁰ 8 | 6 ⁰ D43 | 18 ⁰ 45 | 24 ⁰ 37 | 19 ⁰ 36 | 18 ⁰ 10 | 9 ⁰ 26 | 5 ⁰ 19 |
| F 15 | 7 38 39 | 25 ⁰ 2'57 | 17 ⁰ 43 | 10 ⁰ 30 | 7 ⁰ 57 | 3 ⁰ 49 | 6 ⁰ 2 | 3 ⁰ 15 | 6 ⁰ 43 | 18 ⁰ 47 | 24 ⁰ 39 | 19 ⁰ 30 | 18 ⁰ 7 | 9 ⁰ 33 | 5 ⁰ 21 |
| S 16 | 7 42 36 | 26 ⁰ 4'05 | 0 ⁰ 56 | 12 ⁰ 4 | 9 ⁰ 13 | 4 ⁰ 19 | 6 ⁰ 16 | 3 ⁰ 22 | 6 ⁰ 43 | 18 ⁰ 48 | 24 ⁰ 41 | 19 ⁰ 23 | 18 ⁰ 4 | 9 ⁰ 39 | 5 ⁰ 23 |
| S 17 | 7 46 32 | 27 ⁰ 5'12 | 13 ⁰ 48 | 13 ⁰ 35 | 10 ⁰ 28 | 4 ⁰ 48 | 6 ⁰ 30 | 3 ⁰ 29 | 6 ⁰ 43 | 18 ⁰ 50 | 24 ⁰ 43 | 19 ⁰ 17 | 18 ⁰ 1 | 9 ⁰ 46 | 5 ⁰ 24 |
| M 18 | 7 50 29 | 28 ⁰ 6'19 | 26 ⁰ 20 | 15 ⁰ 5 | 11 ⁰ 43 | 5 ⁰ 18 | 6 ⁰ 44 | 3 ⁰ 37 | 6 ⁰ 44 | 18 ⁰ 52 | 24 ⁰ 45 | 19 ⁰ 11 | 17 ⁰ 57 | 9 ⁰ 53 | 5 ⁰ 26 |
| T 19 | 7 54 26 | 29 ⁰ 7'25 | 8 ⁰ 35 | 16 ⁰ 32 | 12 ⁰ 58 | 5 ⁰ 48 | 6 ⁰ 59 | 3 ⁰ 44 | 6 ⁰ 44 | 18 ⁰ 53 | 24 ⁰ 47 | 19 ⁰ 7 | 17 ⁰ 54 | 9 ⁰ 59 | 5 ⁰ 28 |
| W 20 | 7 58 22 | 0 ⁰ 8'29 | 20 ⁰ 37 | 17 ⁰ 55 | 14 ⁰ 13 | 6 ⁰ 18 | 7 ⁰ 13 | 3 ⁰ 51 | 6 ⁰ 44 | 18 ⁰ 55 | 24 ⁰ 49 | 19 ⁰ 5 | 17 ⁰ 51 | 10 ⁰ 6 | 5 ⁰ 30 |
| T 21 | 8 2 19 | 1 ⁰ 9'34 | 2 ⁰ 30 | 19 ⁰ 15 | 15 ⁰ 29 | 6 ⁰ 49 | 7 ⁰ 27 | 3 ⁰ 58 | 6 ⁰ 44 | 18 ⁰ 56 | 24 ⁰ 51 | 19 ⁰ D 4 | 17 ⁰ 48 | 10 ⁰ 13 | 5 ⁰ 31 |
| F 22 | 8 6 15 | 2 ⁰ 10'37 | 14 ⁰ 19 | 20 ⁰ 31 | 16 ⁰ 44 | 7 ⁰ 19 | 7 ⁰ 41 | 4 ⁰ 5 | 6 ⁰ 45 | 18 ⁰ 58 | 24 ⁰ 53 | 19 ⁰ 5 | 17 ⁰ 45 | 10 ⁰ 19 | 5 ⁰ 33 |
| S 23 | 8 10 12 | 3 ⁰ 11'39 | 26 ⁰ 10 | 21 ⁰ 42 | 17 ⁰ 59 | 7 ⁰ 50 | 7 ⁰ 55 | 4 ⁰ 12 | 6 ⁰ 45 | 19 ⁰ 0 | 24 ⁰ 55 | 19 ⁰ 7 | 17 ⁰ 42 | 10 ⁰ 26 | 5 ⁰ 35 |
| S 24 | 8 14 8 | 4 ⁰ 12'40 | 8 ⁰ 11 | 22 ⁰ 47 | 19 ⁰ 14 | 8 ⁰ 21 | 8 ⁰ 10 | 4 ⁰ 19 | 6 ⁰ 46 | 19 ⁰ 2 | 24 ⁰ 57 | 19 ⁰ 8 | 17 ⁰ 38 | 10 ⁰ 33 | 5 ⁰ 37 |
| M 25 | 8 18 5 | 5 ⁰ 13'41 | 20 ⁰ 17 | 23 ⁰ 45 | 20 ⁰ 30 | 8 ⁰ 52 | 8 ⁰ 24 | 4 ⁰ 27 | 6 ⁰ 46 | 19 ⁰ 3 | 24 ⁰ 59 | 19 ⁰ R 9 | 17 ⁰ 35 | 10 ⁰ 39 | 5 ⁰ 39 |
| T 26 | 8 22 1 | 6 ⁰ 14'40 | 2 ⁰ 41 | 24 ⁰ 35 | 21 ⁰ 45 | 9 ⁰ 23 | 8 ⁰ 38 | 4 ⁰ 34 | 6 ⁰ 47 | 19 ⁰ 5 | 25 ⁰ 1 | 19 ⁰ 8 | 17 ⁰ 32 | 10 ⁰ 46 | 5 ⁰ 41 |
| W 27 | 8 25 58 | 7 ⁰ 15'39 | 15 ⁰ 23 | 25 ⁰ 18 | 23 ⁰ 0 | 9 ⁰ 54 | 8 ⁰ 52 | 4 ⁰ 41 | 6 ⁰ 47 | 19 ⁰ 7 | 25 ⁰ 3 | 19 ⁰ 5 | 17 ⁰ 29 | 10 ⁰ 53 | 5 ⁰ 44 |
| T 28 | 8 29 55 | 8 ⁰ 16'36 | 28 ⁰ 24 | 25 ⁰ 51 | 24 ⁰ 15 | 10 ⁰ 26 | 9 ⁰ 7 | 4 ⁰ 48 | 6 ⁰ 48 | 19 ⁰ 9 | 25 ⁰ 5 | 18 ⁰ 59 | 17 ⁰ 26 | 10 ⁰ 59 | 5 ⁰ 46 |
| F 29 | 8 33 51 | 9 ⁰ 17'33 | 11 ⁰ 45 | 26 ⁰ 14 | 25 ⁰ 30 | 10 ⁰ 57 | 9 ⁰ 21 | 4 ⁰ 55 | 6 ⁰ 49 | 19 ⁰ 10 | 25 ⁰ 7 | 18 ⁰ 52 | 17 ⁰ 23 | 11 ⁰ 6 | 5 ⁰ 48 |
| S 30 | 8 37 48 | 10 ⁰ 18'28 | 25 ⁰ 23 | 26 ⁰ 27 | 26 ⁰ 45 | 11 ⁰ 29 | 9 ⁰ 35 | 5 ⁰ 2 | 6 ⁰ 50 | 19 ⁰ 12 | 25 ⁰ 9 | 18 ⁰ 43 | 17 ⁰ 19 | 11 ⁰ 13 | 5 ⁰ 50 |
| S 31 | 8 41 44 | 11 ⁰ 19'23 | 9 ⁰ 15 | 26 ⁰ R29 | 28 ⁰ 3 | 12 ⁰ 8 | 9 ⁰ 49 | 5 ⁰ 9 | 6 ⁰ 51 | 19 ⁰ 14 | 25 ⁰ 11 | 18 ⁰ II34 | 17 ⁰ II16 | 11 ⁰ 19 | 5 ⁰ Y53 |

Delta T = 73.14 sec.

FEBRUARY 2021

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| Day | Sid.t | ☉ | ☾ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|-----|----------|----------|-------|--------|-------|-------|-------|------|------|-------|-------|--------|-------|-------|-------|
| M 1 | 8 45 41 | 12≈20'16 | 23♐17 | 26°R19 | 29♍16 | 12♎33 | 10≈4 | 5≈17 | 6♎51 | 19♏16 | 25♎13 | 18°R25 | 17♐13 | 11♎26 | 5°Y55 |
| T 2 | 8 49 37 | 13°21'09 | 7♊25 | 25≈59 | 0≈31 | 13° 5 | 10°18 | 5°24 | 6°52 | 19°18 | 25°15 | 18♐18 | 17°10 | 11°33 | 5°57 |
| W 3 | 8 53 34 | 14°22'01 | 21°36 | 25°27 | 1°46 | 13°37 | 10°32 | 5°31 | 6°53 | 19°20 | 25°16 | 18°13 | 17° 7 | 11°39 | 6° 0 |
| T 4 | 8 57 30 | 15°22'52 | 5♐45 | 24°45 | 3° 1 | 14°10 | 10°46 | 5°38 | 6°54 | 19°22 | 25°18 | 18°11 | 17° 3 | 11°46 | 6° 2 |
| F 5 | 9 1 27 | 16°23'43 | 19°53 | 23°54 | 4°17 | 14°42 | 11° 0 | 5°45 | 6°56 | 19°24 | 25°20 | 18°D11 | 17° 0 | 11°53 | 6° 5 |
| S 6 | 9 5 24 | 17°24'32 | 3♌56 | 22°56 | 5°32 | 15°15 | 11°15 | 5°52 | 6°57 | 19°26 | 25°22 | 18°11 | 16°57 | 11°59 | 6° 7 |
| S 7 | 9 9 20 | 18°25'21 | 17°55 | 21°51 | 6°47 | 15°47 | 11°29 | 5°59 | 6°58 | 19°28 | 25°24 | 18°R12 | 16°54 | 12° 6 | 6°10 |
| M 8 | 9 13 17 | 19°26'09 | 1♎49 | 20°42 | 8° 2 | 16°20 | 11°43 | 6° 6 | 6°59 | 19°30 | 25°26 | 18°11 | 16°51 | 12°13 | 6°12 |
| T 9 | 9 17 13 | 20°26'56 | 15°36 | 19°31 | 9°17 | 16°53 | 11°57 | 6°13 | 7° 0 | 19°32 | 25°28 | 18° 8 | 16°48 | 12°19 | 6°15 |
| W10 | 9 21 10 | 21°27'42 | 29°15 | 18°19 | 10°32 | 17°26 | 12°12 | 6°20 | 7° 2 | 19°34 | 25°30 | 18° 2 | 16°44 | 12°26 | 6°18 |
| T11 | 9 25 6 | 22°28'26 | 12≈43 | 17° 9 | 11°48 | 17°59 | 12°26 | 6°27 | 7° 3 | 19°36 | 25°31 | 17°53 | 16°41 | 12°33 | 6°20 |
| F12 | 9 29 3 | 23°29'09 | 25°58 | 16° 3 | 13° 3 | 18°33 | 12°40 | 6°34 | 7° 5 | 19°38 | 25°33 | 17°42 | 16°38 | 12°39 | 6°23 |
| S13 | 9 32 59 | 24°29'51 | 8♏59 | 15° 1 | 14°18 | 19° 6 | 12°54 | 6°41 | 7° 6 | 19°40 | 25°35 | 17°30 | 16°35 | 12°46 | 6°26 |
| S14 | 9 36 56 | 25°30'31 | 21°43 | 14° 5 | 15°33 | 19°39 | 13° 8 | 6°48 | 7° 8 | 19°42 | 25°37 | 17°18 | 16°32 | 12°53 | 6°29 |
| M15 | 9 40 53 | 26°31'10 | 4°Y11 | 13°16 | 16°48 | 20°13 | 13°22 | 6°55 | 7° 9 | 19°44 | 25°39 | 17° 6 | 16°29 | 12°59 | 6°32 |
| T16 | 9 44 49 | 27°31'47 | 16°24 | 12°35 | 18° 3 | 20°47 | 13°36 | 7° 2 | 7°11 | 19°47 | 25°40 | 16°57 | 16°25 | 13° 6 | 6°35 |
| W17 | 9 48 46 | 28°32'22 | 28°25 | 12° 1 | 19°18 | 21°20 | 13°50 | 7° 8 | 7°12 | 19°49 | 25°42 | 16°50 | 16°22 | 13°13 | 6°37 |
| T18 | 9 52 42 | 29°32'56 | 10♎17 | 11°35 | 20°33 | 21°54 | 14° 4 | 7°15 | 7°14 | 19°51 | 25°44 | 16°46 | 16°19 | 13°19 | 6°40 |
| F19 | 9 56 39 | 0♏33'28 | 22° 6 | 11°16 | 21°49 | 22°28 | 14°18 | 7°22 | 7°16 | 19°53 | 25°46 | 16°44 | 16°16 | 13°26 | 6°43 |
| S20 | 10 0 35 | 1°33'58 | 3♐55 | 11° 5 | 23° 4 | 23° 2 | 14°32 | 7°29 | 7°18 | 19°55 | 25°47 | 16°D44 | 16°13 | 13°33 | 6°46 |
| S21 | 10 4 32 | 2°34'26 | 15°52 | 11°D 1 | 24°19 | 23°36 | 14°46 | 7°35 | 7°20 | 19°57 | 25°49 | 16°R44 | 16° 9 | 13°39 | 6°49 |
| M22 | 10 8 28 | 3°34'52 | 28° 1 | 11° 5 | 25°34 | 24°10 | 15° 0 | 7°42 | 7°22 | 20° 0 | 25°51 | 16°44 | 16° 6 | 13°46 | 6°52 |
| T23 | 10 12 25 | 4°35'17 | 10♎27 | 11°14 | 26°49 | 24°44 | 15°14 | 7°49 | 7°23 | 20° 2 | 25°52 | 16°42 | 16° 3 | 13°53 | 6°55 |
| W24 | 10 16 22 | 5°35'40 | 23°15 | 11°30 | 28° 4 | 25°19 | 15°28 | 7°55 | 7°25 | 20° 4 | 25°54 | 16°37 | 16° 0 | 13°59 | 6°59 |
| T25 | 10 20 18 | 6°36'01 | 6♎27 | 11°51 | 29°19 | 25°53 | 15°42 | 8° 2 | 7°28 | 20° 6 | 25°55 | 16°30 | 15°57 | 14° 6 | 7° 2 |
| F26 | 10 24 15 | 7°36'19 | 20° 3 | 12°18 | 0♏34 | 26°27 | 15°56 | 8° 9 | 7°30 | 20° 9 | 25°57 | 16°20 | 15°54 | 14°13 | 7° 5 |
| S27 | 10 28 11 | 8°36'37 | 4♐ 3 | 12°50 | 1°49 | 27° 2 | 16° 9 | 8°15 | 7°32 | 20°11 | 25°59 | 16° 8 | 15°50 | 14°19 | 7° 8 |
| S28 | 10 32 8 | 9♏6'52 | 18♐21 | 13≈26 | 3♏ 4 | 27♎36 | 16≈23 | 8≈22 | 7♎34 | 20♏13 | 26♎ 0 | 15♐56 | 15♐47 | 14♎26 | 7°Y11 |

SWISS EPHEMERIS for the year 2021

MARCH 2021

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|------|----------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|
| M 1 | 10 36 4 | 10 ^h 37'05" | 2 ^h 52' | 14 ^h 56' | 4 ^h 19' | 28 ^h 11' | 16 ^h 37' | 8 ^h 28' | 7 ^h 36' | 20 ^h 15' | 26 ^h 2' | 15 ^h 44' | 15 ^h 44' | 14 ^h 33' | 7 ^h 14' |
| T 2 | 10 40 1 | 11 ^h 37'17" | 17 ^h 28' | 14 ^h 51' | 5 ^h 34' | 28 ^h 46' | 16 ^h 50' | 8 ^h 34' | 7 ^h 38' | 20 ^h 18' | 26 ^h 3' | 15 ^h 44' | 15 ^h 41' | 14 ^h 39' | 7 ^h 18' |
| W 3 | 10 43 57 | 12 ^h 37'27" | 2 ^h 52' | 15 ^h 39' | 6 ^h 49' | 29 ^h 20' | 17 ^h 4' | 8 ^h 41' | 7 ^h 41' | 20 ^h 20' | 26 ^h 5' | 15 ^h 28' | 15 ^h 38' | 14 ^h 46' | 7 ^h 21' |
| T 4 | 10 47 54 | 13 ^h 37'36" | 16 ^h 29' | 16 ^h 30' | 8 ^h 4' | 29 ^h 55' | 17 ^h 17' | 8 ^h 47' | 7 ^h 43' | 20 ^h 22' | 26 ^h 6' | 15 ^h 23' | 15 ^h 35' | 14 ^h 53' | 7 ^h 24' |
| F 5 | 10 51 51 | 14 ^h 37'44" | 0 ^h 46' | 17 ^h 25' | 9 ^h 18' | 0 ^h 30' | 17 ^h 31' | 8 ^h 53' | 7 ^h 45' | 20 ^h 24' | 26 ^h 8' | 15 ^h 22' | 15 ^h 31' | 14 ^h 59' | 7 ^h 27' |
| S 6 | 10 55 47 | 15 ^h 37'49" | 14 ^h 49' | 18 ^h 22' | 10 ^h 33' | 1 ^h 5' | 17 ^h 44' | 9 ^h 0' | 7 ^h 48' | 20 ^h 27' | 26 ^h 9' | 15 ^h 22' | 15 ^h 28' | 15 ^h 6' | 7 ^h 31' |
| S 7 | 10 59 44 | 16 ^h 37'54" | 28 ^h 40' | 19 ^h 23' | 11 ^h 48' | 1 ^h 40' | 17 ^h 58' | 9 ^h 6' | 7 ^h 50' | 20 ^h 29' | 26 ^h 11' | 15 ^h 21' | 15 ^h 25' | 15 ^h 13' | 7 ^h 34' |
| M 8 | 11 3 40 | 17 ^h 37'57" | 12 ^h 18' | 20 ^h 25' | 13 ^h 3' | 2 ^h 14' | 18 ^h 11' | 9 ^h 12' | 7 ^h 52' | 20 ^h 31' | 26 ^h 12' | 15 ^h 20' | 15 ^h 22' | 15 ^h 19' | 7 ^h 37' |
| T 9 | 11 7 37 | 18 ^h 37'58" | 25 ^h 44' | 21 ^h 31' | 14 ^h 18' | 2 ^h 50' | 18 ^h 24' | 9 ^h 18' | 7 ^h 55' | 20 ^h 33' | 26 ^h 13' | 15 ^h 16' | 15 ^h 19' | 15 ^h 26' | 7 ^h 41' |
| W10 | 11 11 33 | 19 ^h 37'57" | 9 ^h 0' | 22 ^h 38' | 15 ^h 33' | 3 ^h 25' | 18 ^h 38' | 9 ^h 24' | 7 ^h 57' | 20 ^h 36' | 26 ^h 15' | 15 ^h 9' | 15 ^h 15' | 15 ^h 33' | 7 ^h 44' |
| T 11 | 11 15 30 | 20 ^h 37'55" | 22 ^h 4' | 23 ^h 48' | 16 ^h 48' | 4 ^h 0' | 18 ^h 51' | 9 ^h 30' | 8 ^h 0' | 20 ^h 38' | 26 ^h 16' | 15 ^h 0' | 15 ^h 12' | 15 ^h 39' | 7 ^h 48' |
| F 12 | 11 19 26 | 21 ^h 37'51" | 4 ^h 57' | 25 ^h 0' | 18 ^h 3' | 4 ^h 35' | 19 ^h 4' | 9 ^h 36' | 8 ^h 3' | 20 ^h 40' | 26 ^h 17' | 14 ^h 47' | 15 ^h 9' | 15 ^h 46' | 7 ^h 51' |
| S 13 | 11 23 23 | 22 ^h 37'45" | 17 ^h 39' | 26 ^h 13' | 19 ^h 17' | 5 ^h 10' | 19 ^h 17' | 9 ^h 42' | 8 ^h 5' | 20 ^h 43' | 26 ^h 19' | 14 ^h 34' | 15 ^h 6' | 15 ^h 53' | 7 ^h 54' |
| S 14 | 11 27 20 | 23 ^h 37'37" | 0 ^h 8' | 27 ^h 29' | 20 ^h 32' | 5 ^h 45' | 19 ^h 30' | 9 ^h 48' | 8 ^h 8' | 20 ^h 45' | 26 ^h 20' | 14 ^h 20' | 15 ^h 3' | 15 ^h 59' | 7 ^h 58' |
| M15 | 11 31 16 | 24 ^h 37'27" | 12 ^h 26' | 28 ^h 46' | 21 ^h 47' | 6 ^h 21' | 19 ^h 43' | 9 ^h 53' | 8 ^h 11' | 20 ^h 47' | 26 ^h 21' | 14 ^h 7' | 15 ^h 0' | 16 ^h 6' | 8 ^h 1' |
| T 16 | 11 35 13 | 25 ^h 37'15" | 24 ^h 32' | 0 ^h 5' | 23 ^h 2' | 6 ^h 56' | 19 ^h 56' | 9 ^h 59' | 8 ^h 13' | 20 ^h 49' | 26 ^h 22' | 13 ^h 56' | 14 ^h 56' | 16 ^h 13' | 8 ^h 5' |
| W17 | 11 39 9 | 26 ^h 37'01" | 6 ^h 29' | 1 ^h 26' | 24 ^h 17' | 7 ^h 31' | 20 ^h 9' | 10 ^h 5' | 8 ^h 16' | 20 ^h 52' | 26 ^h 23' | 13 ^h 48' | 14 ^h 53' | 16 ^h 19' | 8 ^h 8' |
| T 18 | 11 43 6 | 27 ^h 36'44" | 18 ^h 19' | 2 ^h 48' | 25 ^h 31' | 8 ^h 7' | 20 ^h 22' | 10 ^h 10' | 8 ^h 19' | 20 ^h 54' | 26 ^h 25' | 13 ^h 42' | 14 ^h 50' | 16 ^h 26' | 8 ^h 12' |
| F 19 | 11 47 2 | 28 ^h 36'26" | 0 ^h 6' | 4 ^h 12' | 26 ^h 46' | 8 ^h 42' | 20 ^h 35' | 10 ^h 16' | 8 ^h 22' | 20 ^h 56' | 26 ^h 26' | 13 ^h 40' | 14 ^h 47' | 16 ^h 33' | 8 ^h 15' |
| S 20 | 11 50 59 | 29 ^h 36'05" | 11 ^h 55' | 5 ^h 37' | 28 ^h 1' | 9 ^h 18' | 20 ^h 47' | 10 ^h 21' | 8 ^h 25' | 20 ^h 58' | 26 ^h 27' | 13 ^h D39 | 14 ^h 44' | 16 ^h 39' | 8 ^h 19' |
| S 21 | 11 54 55 | 0 ^h 35'43" | 23 ^h 50' | 7 ^h 4' | 29 ^h 16' | 9 ^h 53' | 21 ^h 0' | 10 ^h 27' | 8 ^h 27' | 21 ^h 1' | 26 ^h 28' | 13 ^h 39' | 14 ^h 40' | 16 ^h 46' | 8 ^h 22' |
| M22 | 11 58 52 | 1 ^h 35'17" | 5 ^h 56' | 8 ^h 32' | 0 ^h 30' | 10 ^h 29' | 21 ^h 12' | 10 ^h 32' | 8 ^h 30' | 21 ^h 3' | 26 ^h 29' | 13 ^h R39 | 14 ^h 37' | 16 ^h 53' | 8 ^h 26' |
| T 23 | 12 2 48 | 2 ^h 34'50" | 18 ^h 20' | 10 ^h 1' | 1 ^h 45' | 11 ^h 5' | 21 ^h 25' | 10 ^h 38' | 8 ^h 33' | 21 ^h 5' | 26 ^h 30' | 13 ^h 38' | 14 ^h 34' | 16 ^h 59' | 8 ^h 29' |
| W24 | 12 6 45 | 3 ^h 34'20" | 1 ^h 7' | 11 ^h 32' | 3 ^h 0' | 11 ^h 40' | 21 ^h 37' | 10 ^h 43' | 8 ^h 36' | 21 ^h 7' | 26 ^h 31' | 13 ^h 35' | 14 ^h 31' | 17 ^h 6' | 8 ^h 33' |
| T 25 | 12 10 42 | 4 ^h 33'48" | 14 ^h 20' | 13 ^h 5' | 4 ^h 14' | 12 ^h 16' | 21 ^h 50' | 10 ^h 48' | 8 ^h 39' | 21 ^h 10' | 26 ^h 32' | 13 ^h 29' | 14 ^h 28' | 17 ^h 13' | 8 ^h 36' |
| F 26 | 12 14 38 | 5 ^h 33'14" | 28 ^h 1' | 14 ^h 38' | 5 ^h 29' | 12 ^h 52' | 22 ^h 2' | 10 ^h 53' | 8 ^h 42' | 21 ^h 12' | 26 ^h 33' | 13 ^h 21' | 14 ^h 25' | 17 ^h 19' | 8 ^h 40' |
| S 27 | 12 18 35 | 6 ^h 32'37" | 12 ^h 9' | 16 ^h 13' | 6 ^h 43' | 13 ^h 27' | 22 ^h 14' | 10 ^h 58' | 8 ^h 45' | 21 ^h 14' | 26 ^h 34' | 13 ^h 11' | 14 ^h 21' | 17 ^h 26' | 8 ^h 43' |
| S 28 | 12 22 31 | 7 ^h 31'59" | 26 ^h 42' | 17 ^h 50' | 7 ^h 58' | 14 ^h 3' | 22 ^h 26' | 11 ^h 3' | 8 ^h 48' | 21 ^h 16' | 26 ^h 35' | 13 ^h 1' | 14 ^h 18' | 17 ^h 33' | 8 ^h 47' |
| M29 | 12 26 28 | 8 ^h 31'18" | 11 ^h 43' | 19 ^h 28' | 9 ^h 13' | 14 ^h 39' | 22 ^h 38' | 11 ^h 8' | 8 ^h 51' | 21 ^h 18' | 26 ^h 36' | 12 ^h 51' | 14 ^h 15' | 17 ^h 39' | 8 ^h 50' |
| T 30 | 12 30 24 | 9 ^h 30'35" | 26 ^h 32' | 21 ^h 7' | 10 ^h 27' | 15 ^h 15' | 22 ^h 50' | 11 ^h 13' | 8 ^h 54' | 21 ^h 21' | 26 ^h 36' | 12 ^h 43' | 14 ^h 12' | 17 ^h 46' | 8 ^h 54' |
| W31 | 12 34 21 | 10 ^h 29'50" | 11 ^h 30' | 22 ^h 47' | 11 ^h 42' | 15 ^h 51' | 23 ^h 2' | 11 ^h 18' | 8 ^h 58' | 21 ^h 23' | 26 ^h 37' | 12 ^h 37' | 14 ^h 9' | 17 ^h 53' | 8 ^h 57' |

Delta T = 73.39 sec.

APRIL 2021

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| Day | Sid.t | ☉ | ☾ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| T 1 | 12 38 17 | 11°29'03 | 26°11'21 | 24°29'29 | 12°56'12 | 16°27'27 | 23°14'38 | 11°22'22 | 9°8'1 | 21°25'25 | 26°38'38 | 12°34'34 | 14°11'6 | 17°59'59 | 9°1'1 |
| F 2 | 12 42 14 | 12°28'15 | 10°27'55 | 26°13'13 | 14°11'11 | 17°3'3 | 23°25'25 | 11°27'27 | 9°4'4 | 21°27'27 | 26°39'39 | 12°33'33 | 14°2'2 | 18°6'6 | 9°4'4 |
| S 3 | 12 46 11 | 13°27'24 | 25°12'12 | 27°57'57 | 15°25'25 | 17°38'38 | 23°37'37 | 11°32'32 | 9°7'7 | 21°29'29 | 26°40'40 | 12°33'33 | 13°59'59 | 18°13'13 | 9°8'8 |
| S 4 | 12 50 7 | 14°26'33 | 9°3'8 | 29°44'44 | 16°40'40 | 18°14'14 | 23°49'49 | 11°36'36 | 9°10'10 | 21°31'31 | 26°40'40 | 12°34'34 | 13°56'56 | 18°19'19 | 9°11'11 |
| M 5 | 12 54 4 | 15°25'39 | 22°44'44 | 1°31'31 | 17°54'54 | 18°50'50 | 24°0'0 | 11°41'41 | 9°13'13 | 21°34'34 | 26°41'41 | 12°34'34 | 13°53'53 | 18°26'26 | 9°15'15 |
| T 6 | 12 58 0 | 16°24'44 | 6°2'2 | 3°20'20 | 19°8'8 | 19°26'26 | 24°11'11 | 11°45'45 | 9°17'17 | 21°36'36 | 26°42'42 | 12°32'32 | 13°50'50 | 18°33'33 | 9°18'18 |
| W 7 | 13 1 57 | 17°23'46 | 19°3'3 | 5°11'11 | 20°23'23 | 20°2'2 | 24°23'23 | 11°49'49 | 9°20'20 | 21°38'38 | 26°42'42 | 12°28'28 | 13°46'46 | 18°39'39 | 9°22'22 |
| T 8 | 13 5 53 | 18°22'47 | 1°51'51 | 7°3'3 | 21°37'37 | 20°39'39 | 24°34'34 | 11°53'53 | 9°23'23 | 21°40'40 | 26°43'43 | 12°21'21 | 13°43'43 | 18°46'46 | 9°25'25 |
| F 9 | 13 9 50 | 19°21'46 | 14°26'26 | 8°56'56 | 22°52'52 | 21°15'15 | 24°45'45 | 11°57'57 | 9°27'27 | 21°42'42 | 26°43'43 | 12°13'13 | 13°40'40 | 18°52'52 | 9°29'29 |
| S 10 | 13 13 46 | 20°20'43 | 26°50'50 | 10°51'51 | 24°6'6 | 21°51'51 | 24°56'56 | 12°1'1 | 9°30'30 | 21°44'44 | 26°44'44 | 12°3'3 | 13°37'37 | 18°59'59 | 9°32'32 |
| S 11 | 13 17 43 | 21°19'39 | 9°9'4 | 12°47'47 | 25°20'20 | 22°27'27 | 25°7'7 | 12°5'5 | 9°33'33 | 21°46'46 | 26°44'44 | 11°53'53 | 13°34'34 | 19°6'6 | 9°36'36 |
| M12 | 13 21 40 | 22°18'32 | 21°9'9 | 14°45'45 | 26°35'35 | 23°3'3 | 25°17'17 | 12°9'9 | 9°36'36 | 21°48'48 | 26°45'45 | 11°44'44 | 13°31'31 | 19°12'12 | 9°39'39 |
| T 13 | 13 25 36 | 23°17'23 | 3°8'7 | 16°44'44 | 27°49'49 | 23°39'39 | 25°28'28 | 12°13'13 | 9°40'40 | 21°50'50 | 26°45'45 | 11°36'36 | 13°27'27 | 19°19'19 | 9°43'43 |
| W14 | 13 29 33 | 24°16'13 | 14°58'58 | 18°44'44 | 29°3'3 | 24°15'15 | 25°39'39 | 12°17'17 | 9°43'43 | 21°52'52 | 26°46'46 | 11°31'31 | 13°24'24 | 19°26'26 | 9°46'46 |
| T 15 | 13 33 29 | 25°15'00 | 26°46'46 | 20°46'46 | 0°17'17 | 24°52'52 | 25°49'49 | 12°20'20 | 9°47'47 | 21°54'54 | 26°46'46 | 11°27'27 | 13°21'21 | 19°32'32 | 9°50'50 |
| F 16 | 13 37 26 | 26°13'45 | 8°13'13 | 22°49'49 | 1°32'32 | 25°28'28 | 26°0'0 | 12°24'24 | 9°50'50 | 21°56'56 | 26°46'46 | 11°D26 | 13°18'18 | 19°39'39 | 9°53'53 |
| S 17 | 13 41 22 | 27°12'28 | 20°22'22 | 24°53'53 | 2°46'46 | 26°4'4 | 26°10'10 | 12°27'27 | 9°53'53 | 21°58'58 | 26°47'47 | 11°27'27 | 13°15'15 | 19°46'46 | 9°56'56 |
| S 18 | 13 45 19 | 28°11'09 | 2°28'17 | 26°58'58 | 4°0'0 | 26°40'40 | 26°20'20 | 12°31'31 | 9°57'57 | 22°0'0 | 26°47'47 | 11°28'28 | 13°12'12 | 19°52'52 | 10°0'0 |
| M19 | 13 49 15 | 29°9'48 | 14°24'24 | 29°5'5 | 5°14'14 | 27°17'17 | 26°30'30 | 12°34'34 | 10°0'0 | 22°2'2 | 26°47'47 | 11°29'29 | 13°8'8 | 19°59'59 | 10°3'3 |
| T 20 | 13 53 12 | 0°8'8 | 26°46'46 | 1°12'12 | 6°28'28 | 27°53'53 | 26°40'40 | 12°37'37 | 10°4'4 | 22°4'4 | 26°48'48 | 11°R30 | 13°5'5 | 20°6'6 | 10°7'7 |
| W21 | 13 57 9 | 1°6'59 | 9°12'29 | 3°19'19 | 7°43'43 | 28°29'29 | 26°50'50 | 12°40'40 | 10°7'7 | 22°6'6 | 26°48'48 | 11°30'30 | 13°2'2 | 20°12'12 | 10°10'10 |
| T 22 | 14 1 5 | 2°5'31 | 22°37'37 | 5°27'27 | 8°57'57 | 29°6'6 | 26°59'59 | 12°43'43 | 10°10'10 | 22°8'8 | 26°48'48 | 11°28'28 | 12°59'59 | 20°19'19 | 10°13'13 |
| F 23 | 14 5 2 | 3°4'01 | 6°11'13 | 7°35'35 | 10°11'11 | 29°42'42 | 27°9'9 | 12°46'46 | 10°14'14 | 22°9'9 | 26°48'48 | 11°25'25 | 12°56'56 | 20°26'26 | 10°16'16 |
| S 24 | 14 8 58 | 4°2'29 | 20°18'18 | 9°43'43 | 11°25'25 | 0°28'18 | 27°18'18 | 12°49'49 | 10°17'17 | 22°11'11 | 26°48'48 | 11°20'20 | 12°52'52 | 20°32'32 | 10°20'20 |
| S 25 | 14 12 55 | 5°0'54 | 4°50'50 | 11°50'50 | 12°39'39 | 0°55'55 | 27°28'28 | 12°52'52 | 10°21'21 | 22°13'13 | 26°48'48 | 11°14'14 | 12°49'49 | 20°39'39 | 10°23'23 |
| M26 | 14 16 51 | 5°59'18 | 19°44'44 | 13°57'57 | 13°53'53 | 1°31'31 | 27°37'37 | 12°55'55 | 10°24'24 | 22°15'15 | 26°48'48 | 11°9'9 | 12°46'46 | 20°46'46 | 10°26'26 |
| T 27 | 14 20 48 | 6°57'39 | 4°11'52 | 16°2'2 | 15°7'7 | 2°8'8 | 27°46'46 | 12°57'57 | 10°28'28 | 22°17'17 | 26°48'48 | 11°5'5 | 12°43'43 | 20°52'52 | 10°30'30 |
| W28 | 14 24 44 | 7°55'59 | 20°5'5 | 18°6'6 | 16°21'21 | 2°44'44 | 27°55'55 | 13°0'0 | 10°31'31 | 22°18'18 | 26°R48 | 11°2'2 | 12°40'40 | 20°59'59 | 10°33'33 |
| T 29 | 14 28 41 | 8°54'17 | 5°12'12 | 20°9'9 | 17°35'35 | 3°21'21 | 28°4'4 | 13°2'2 | 10°35'35 | 22°20'20 | 26°48'48 | 11°D 1 | 12°37'37 | 21°6'6 | 10°36'36 |
| F 30 | 14 32 38 | 9°52'34 | 20°2'6 | 22°10'10 | 18°49'49 | 3°25'57 | 28°13'13 | 13°2'2 | 10°38'38 | 22°22'22 | 26°34'48 | 11°II 1 | 12°II33 | 21°8'12 | 10°Y39 |

SWISS EPHEMERIS for the year 2021

MAY 2021

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|-----------|---------|---------|---------|-------|-------|--------|-------|-------|--------|---------|---------|-------|---------|-------|----|--------|
| S 1 | 14 36 34 | 10°50'49 | 4°39 | 24°8 | 20°8 | 3 | 4°33 | 28°21 | 13°7 | 10°8 | 22°23 | 26°R48 | 11°II | 2 | 12°II30 | 21°8 | 19 | 10°Y42 |
| S 2 | 14 40 31 | 11°49'02 | 18°48 | 26°4 | 21°17 | 5°10 | 28°30 | 13°9 | 10°45 | 22°25 | 26°348 | 11°3 | 12°27 | 21°26 | 10°45 | | | |
| M 3 | 14 44 27 | 12°47'14 | 2°32 | 27°57 | 22°31 | 5°46 | 28°38 | 13°11 | 10°48 | 22°27 | 26°48 | 11°4 | 12°24 | 21°32 | 10°49 | | | |
| T 4 | 14 48 24 | 13°45'25 | 15°53 | 29°47 | 23°45 | 6°23 | 28°46 | 13°13 | 10°52 | 22°28 | 26°48 | 11°R | 5 | 12°21 | 21°39 | 10°52 | | |
| W 5 | 14 52 20 | 14°43'34 | 28°51 | 1°II34 | 24°58 | 6°59 | 28°54 | 13°14 | 10°55 | 22°30 | 26°48 | 11°4 | 12°18 | 21°46 | 10°55 | | | |
| T 6 | 14 56 17 | 15°41'41 | 11°32 | 3°18 | 26°12 | 7°36 | 29°2 | 13°16 | 10°59 | 22°31 | 26°48 | 11°2 | 12°14 | 21°52 | 10°58 | | | |
| F 7 | 15 0 13 | 16°39'48 | 23°56 | 4°58 | 27°26 | 8°13 | 29°10 | 13°18 | 11°2 | 22°33 | 26°47 | 10°59 | 12°11 | 21°59 | 11°1 | | | |
| S 8 | 15 4 10 | 17°37'52 | 6°Y9 | 6°35 | 28°40 | 8°49 | 29°18 | 13°19 | 11°6 | 22°34 | 26°47 | 10°55 | 12°8 | 22°5 | 11°4 | | | |
| S 9 | 15 8 7 | 18°35'55 | 18°11 | 8°8 | 29°54 | 9°26 | 29°25 | 13°21 | 11°9 | 22°36 | 26°47 | 10°52 | 12°5 | 22°12 | 11°7 | | | |
| M10 | 15 12 3 | 19°33'57 | 0°8 | 7 | 9°38 | 1°II8 | 10°2 | 29°32 | 13°22 | 11°13 | 22°37 | 26°46 | 10°48 | 12°2 | 22°19 | 11°10 | | |
| T 11 | 15 16 0 | 20°31'57 | 11°57 | 11°3 | 2°21 | 10°39 | 29°40 | 13°24 | 11°16 | 22°39 | 26°46 | 10°45 | 11°58 | 22°25 | 11°12 | | | |
| W12 | 15 19 56 | 21°29'56 | 23°45 | 12°25 | 3°35 | 11°15 | 29°47 | 13°25 | 11°19 | 22°40 | 26°46 | 10°43 | 11°55 | 22°32 | 11°15 | | | |
| T 13 | 15 23 53 | 22°27'53 | 5°II33 | 13°43 | 4°49 | 11°52 | 29°54 | 13°26 | 11°23 | 22°41 | 26°45 | 10°D43 | 11°52 | 22°39 | 11°18 | | | |
| F 14 | 15 27 49 | 23°25'49 | 17°22 | 14°57 | 6°3 | 12°29 | 0°II0 | 13°27 | 11°26 | 22°43 | 26°45 | 10°43 | 11°49 | 22°45 | 11°21 | | | |
| S 15 | 15 31 46 | 24°23'43 | 29°15 | 16°6 | 7°16 | 13°5 | 0°7 | 13°28 | 11°30 | 22°44 | 26°44 | 10°43 | 11°46 | 22°52 | 11°24 | | | |
| S 16 | 15 35 42 | 25°21'36 | 11°16 | 17°12 | 8°30 | 13°42 | 0°13 | 13°28 | 11°33 | 22°45 | 26°44 | 10°45 | 11°43 | 22°59 | 11°27 | | | |
| M17 | 15 39 39 | 26°19'26 | 23°27 | 18°13 | 9°44 | 14°19 | 0°20 | 13°29 | 11°36 | 22°47 | 26°43 | 10°46 | 11°39 | 23°5 | 11°29 | | | |
| T 18 | 15 43 36 | 27°17'15 | 5°II32 | 19°10 | 10°57 | 14°55 | 0°26 | 13°30 | 11°40 | 22°48 | 26°43 | 10°47 | 11°36 | 23°12 | 11°32 | | | |
| W19 | 15 47 32 | 28°15'03 | 18°35 | 20°3 | 12°11 | 15°32 | 0°32 | 13°30 | 11°43 | 22°49 | 26°42 | 10°48 | 11°33 | 23°19 | 11°35 | | | |
| T 20 | 15 51 29 | 29°12'48 | 1°II40 | 20°52 | 13°24 | 16°9 | 0°38 | 13°30 | 11°46 | 22°50 | 26°42 | 10°R48 | 11°30 | 23°25 | 11°37 | | | |
| F 21 | 15 55 25 | 0°II10'32 | 15°9 | 21°36 | 14°38 | 16°46 | 0°43 | 13°31 | 11°50 | 22°51 | 26°41 | 10°48 | 11°27 | 23°32 | 11°40 | | | |
| S 22 | 15 59 22 | 1°8'15 | 29°4 | 22°15 | 15°52 | 17°22 | 0°49 | 13°31 | 11°53 | 22°53 | 26°40 | 10°47 | 11°23 | 23°39 | 11°42 | | | |
| S 23 | 16 3 18 | 2°5'55 | 13°II24 | 22°50 | 17°5 | 17°59 | 0°54 | 13°R31 | 11°56 | 22°54 | 26°40 | 10°46 | 11°20 | 23°45 | 11°45 | | | |
| M24 | 16 7 15 | 3°3'35 | 28°8 | 23°20 | 18°19 | 18°36 | 0°59 | 13°31 | 12°0 | 22°55 | 26°39 | 10°45 | 11°17 | 23°52 | 11°47 | | | |
| T 25 | 16 11 11 | 4°1'12 | 13°II8 | 23°46 | 19°32 | 19°13 | 1°4 | 13°31 | 12°3 | 22°56 | 26°38 | 10°44 | 11°14 | 23°59 | 11°50 | | | |
| W26 | 16 15 8 | 4°58'49 | 28°19 | 24°7 | 20°46 | 19°49 | 1°9 | 13°31 | 12°6 | 22°57 | 26°37 | 10°44 | 11°11 | 24°5 | 11°52 | | | |
| T 27 | 16 19 5 | 5°56'24 | 13°II30 | 24°23 | 21°59 | 20°26 | 1°14 | 13°30 | 12°9 | 22°58 | 26°37 | 10°D44 | 11°8 | 24°12 | 11°54 | | | |
| F 28 | 16 23 1 | 6°53'58 | 28°31 | 24°34 | 23°12 | 21°3 | 1°18 | 13°30 | 12°13 | 22°59 | 26°36 | 10°44 | 11°4 | 24°19 | 11°57 | | | |
| S 29 | 16 26 58 | 7°51'32 | 13°II15 | 24°41 | 24°26 | 21°40 | 1°22 | 13°30 | 12°16 | 23°0 | 26°35 | 10°44 | 11°1 | 24°25 | 11°59 | | | |
| S 30 | 16 30 54 | 8°49'04 | 27°36 | 24°R43 | 25°39 | 22°17 | 1°27 | 13°29 | 12°19 | 23°0 | 26°34 | 10°44 | 10°58 | 24°32 | 12°1 | | | |
| M31 | 16 34 51 | 9°II46'35 | 11°31 | 24°II40 | 26°II53 | 22°53 | 1°31 | 13°28 | 12°22 | 23°1 | 26°33 | 10°II45 | 10°II55 | 24°39 | 12°Y4 | | | |

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JUNE 2021

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| Day | Sid.t | ☉ | ☾ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|------------|--------|---------|---------|--------|-------|--------|--------|--------|--------|---------|---------|--------|--------|---|
| T 1 | 16 38 47 | 10°II44'05 | 25°0 | 24°R34 | 28°II 6 | 23°30 | 1°34 | 13°R27 | 12°825 | 23°2 | 26°R33 | 10°R45 | 10°II52 | 24°845 | 12°Y 6 | |
| W 2 | 16 42 44 | 11°41'35 | 8°2 | 24°II22 | 29°19 | 24° 7 | 1°38 | 13°27 | 12°29 | 23° 3 | 26°32 | 10°D45 | 10°49 | 24°52 | 12° 8 | |
| T 3 | 16 46 40 | 12°39'04 | 20°43 | 24° 7 | 0°33 | 24°44 | 1°41 | 13°26 | 12°32 | 23° 4 | 26°31 | 10°II45 | 10°45 | 24°58 | 12°10 | |
| F 4 | 16 50 37 | 13°36'32 | 3°Y 5 | 23°48 | 1°46 | 25°21 | 1°45 | 13°25 | 12°35 | 23° 4 | 26°30 | 10°45 | 10°42 | 25° 5 | 12°12 | |
| S 5 | 16 54 34 | 14°33'59 | 15°12 | 23°26 | 2°59 | 25°58 | 1°48 | 13°23 | 12°38 | 23° 5 | 26°29 | 10°45 | 10°39 | 25°12 | 12°14 | |
| S 6 | 16 58 30 | 15°31'26 | 27° 9 | 23° 0 | 4°13 | 26°34 | 1°51 | 13°22 | 12°41 | 23° 6 | 26°28 | 10°45 | 10°36 | 25°18 | 12°16 | |
| M 7 | 17 2 27 | 16°28'52 | 8°59 | 22°32 | 5°26 | 27°11 | 1°53 | 13°21 | 12°44 | 23° 6 | 26°27 | 10°46 | 10°33 | 25°25 | 12°18 | |
| T 8 | 17 6 23 | 17°26'17 | 20°46 | 22° 2 | 6°39 | 27°48 | 1°56 | 13°19 | 12°47 | 23° 7 | 26°26 | 10°47 | 10°29 | 25°32 | 12°20 | |
| W 9 | 17 10 20 | 18°23'42 | 2°II34 | 21°30 | 7°52 | 28°25 | 1°58 | 13°18 | 12°50 | 23° 7 | 26°25 | 10°47 | 10°26 | 25°38 | 12°22 | |
| T 10 | 17 14 16 | 19°21'06 | 14°24 | 20°57 | 9° 5 | 29° 2 | 2° 0 | 13°16 | 12°53 | 23° 8 | 26°24 | 10°R47 | 10°23 | 25°45 | 12°23 | |
| F 11 | 17 18 13 | 20°18'29 | 26°19 | 20°23 | 10°19 | 29°39 | 2° 2 | 13°14 | 12°56 | 23° 8 | 26°23 | 10°47 | 10°20 | 25°52 | 12°25 | |
| S 12 | 17 22 9 | 21°15'51 | 8°21 | 19°50 | 11°32 | 0°16 | 2° 4 | 13°13 | 12°59 | 23° 9 | 26°21 | 10°46 | 10°17 | 25°58 | 12°27 | |
| S 13 | 17 26 6 | 22°13'13 | 20°33 | 19°17 | 12°45 | 0°53 | 2° 5 | 13°11 | 13° 1 | 23° 9 | 26°20 | 10°45 | 10°14 | 26° 5 | 12°28 | |
| M14 | 17 30 3 | 23°10'34 | 2°155 | 18°45 | 13°58 | 1°30 | 2° 7 | 13° 9 | 13° 4 | 23°10 | 26°19 | 10°43 | 10°10 | 26°12 | 12°30 | |
| T 15 | 17 33 59 | 24° 7'53 | 15°31 | 18°15 | 15°11 | 2° 7 | 2° 8 | 13° 7 | 13° 7 | 23°10 | 26°18 | 10°41 | 10° 7 | 26°18 | 12°32 | |
| W16 | 17 37 56 | 25° 5'12 | 28°21 | 17°47 | 16°24 | 2°44 | 2° 9 | 13° 5 | 13°10 | 23°10 | 26°17 | 10°40 | 10° 4 | 26°25 | 12°33 | |
| T 17 | 17 41 52 | 26° 2'30 | 11°29 | 17°22 | 17°37 | 3°21 | 2°10 | 13° 2 | 13°13 | 23°11 | 26°16 | 10°38 | 10° 1 | 26°32 | 12°35 | |
| F 18 | 17 45 49 | 26°59'48 | 24°56 | 17° 0 | 18°50 | 3°58 | 2°10 | 13° 0 | 13°15 | 23°11 | 26°14 | 10°D38 | 9°58 | 26°38 | 12°36 | |
| S 19 | 17 49 45 | 27°57'04 | 8°43 | 16°41 | 20° 3 | 4°35 | 2°11 | 12°58 | 13°18 | 23°11 | 26°13 | 10°38 | 9°55 | 26°45 | 12°37 | |
| S 20 | 17 53 42 | 28°54'19 | 22°50 | 16°27 | 21°16 | 5°12 | 2°11 | 12°55 | 13°21 | 23°11 | 26°12 | 10°39 | 9°51 | 26°52 | 12°39 | |
| M21 | 17 57 38 | 29°51'34 | 7°17 | 16°16 | 22°29 | 5°49 | 2°R11 | 12°53 | 13°23 | 23°12 | 26°11 | 10°40 | 9°48 | 26°58 | 12°40 | |
| T 22 | 18 1 35 | 0°48'48 | 22° 0 | 16°10 | 23°42 | 6°26 | 2°11 | 12°50 | 13°26 | 23°12 | 26° 9 | 10°41 | 9°45 | 27° 5 | 12°41 | |
| W23 | 18 5 32 | 1°46'02 | 6°54 | 16°D 8 | 24°55 | 7° 3 | 2°11 | 12°47 | 13°29 | 23°12 | 26° 8 | 10°R42 | 9°42 | 27°11 | 12°42 | |
| T 24 | 18 9 28 | 2°43'15 | 21°52 | 16°10 | 26° 8 | 7°40 | 2°10 | 12°44 | 13°31 | 23°12 | 26° 7 | 10°42 | 9°39 | 27°18 | 12°44 | |
| F 25 | 18 13 25 | 3°40'28 | 6°46 | 16°18 | 27°21 | 8°18 | 2° 9 | 12°41 | 13°34 | 23°12 | 26° 6 | 10°40 | 9°35 | 27°25 | 12°45 | |
| S 26 | 18 17 21 | 4°37'40 | 21°28 | 16°30 | 28°34 | 8°55 | 2° 8 | 12°39 | 13°36 | 23°R12 | 26° 4 | 10°38 | 9°32 | 27°31 | 12°46 | |
| S 27 | 18 21 18 | 5°34'52 | 5°52 | 16°47 | 29°47 | 9°32 | 2° 7 | 12°35 | 13°38 | 23°12 | 26° 3 | 10°35 | 9°29 | 27°38 | 12°47 | |
| M28 | 18 25 14 | 6°32'04 | 19°52 | 17° 9 | 0°159 | 10° 9 | 2° 6 | 12°32 | 13°41 | 23°12 | 26° 2 | 10°31 | 9°26 | 27°45 | 12°48 | |
| T 29 | 18 29 11 | 7°29'16 | 3°26 | 17°35 | 2°12 | 10°46 | 2° 4 | 12°29 | 13°43 | 23°12 | 26° 0 | 10°28 | 9°23 | 27°51 | 12°49 | |
| W30 | 18 33 8 | 8°26'28 | 16°34 | 18°II 6 | 3°125 | 11°123 | 2°3 | 12°26 | 13°46 | 23°12 | 25°59 | 10°II25 | 9°II20 | 27°58 | 12°Y49 | |

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SWISS EPHEMERIS for the year 2021

JULY 2021

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| T 1 | 18 37 4 | 9°23'40 | 29°18 | 18°42 | 4°37 | 12°0 | 2°R 1 | 12°R23 | 13°848 | 23°R12 | 25°R58 | 10°R23 | 9°16 | 28°8 | 12°V50 |
| F 2 | 18 41 1 | 10°20'52 | 11°V41 | 19°23 | 5°50 | 12°38 | 1°H59 | 12°H19 | 13°50 | 23°H11 | 25°H56 | 10°D23 | 9°13 | 28°11 | 12°51 |
| S 3 | 18 44 57 | 11°18'05 | 23°47 | 20° 8 | 7° 3 | 13°15 | 1°56 | 12°16 | 13°52 | 23°11 | 25°55 | 10°H24 | 9°10 | 28°18 | 12°52 |
| S 4 | 18 48 54 | 12°15'17 | 5°843 | 20°58 | 8°15 | 13°52 | 1°54 | 12°12 | 13°55 | 23°11 | 25°53 | 10°25 | 9° 7 | 28°25 | 12°52 |
| M 5 | 18 52 50 | 13°12'30 | 17°32 | 21°52 | 9°28 | 14°29 | 1°51 | 12° 9 | 13°57 | 23°11 | 25°52 | 10°27 | 9° 4 | 28°31 | 12°53 |
| T 6 | 18 56 47 | 14° 9'43 | 29°19 | 22°51 | 10°41 | 15° 7 | 1°48 | 12° 5 | 13°59 | 23°10 | 25°51 | 10°28 | 9° 1 | 28°38 | 12°53 |
| W 7 | 19 0 43 | 15° 6'56 | 11°H 8 | 23°54 | 11°53 | 15°44 | 1°45 | 12° 2 | 14° 1 | 23°10 | 25°49 | 10°R29 | 8°57 | 28°45 | 12°54 |
| T 8 | 19 4 40 | 16° 4'10 | 23° 4 | 25° 1 | 13° 6 | 16°21 | 1°42 | 11°58 | 14° 3 | 23°10 | 25°48 | 10°28 | 8°54 | 28°51 | 12°54 |
| F 9 | 19 8 37 | 17° 1'24 | 5°8 8 | 26°12 | 14°18 | 16°58 | 1°39 | 11°54 | 14° 5 | 23° 9 | 25°46 | 10°25 | 8°51 | 28°58 | 12°55 |
| S 10 | 19 12 33 | 17°58'38 | 17°22 | 27°28 | 15°31 | 17°36 | 1°35 | 11°50 | 14° 7 | 23° 9 | 25°45 | 10°21 | 8°48 | 29° 4 | 12°55 |
| S 11 | 19 16 30 | 18°55'52 | 29°49 | 28°48 | 16°43 | 18°13 | 1°32 | 11°46 | 14° 9 | 23° 8 | 25°44 | 10°16 | 8°45 | 29°11 | 12°55 |
| M12 | 19 20 26 | 19°53'06 | 12°H29 | 0°812 | 17°56 | 18°50 | 1°28 | 11°42 | 14°11 | 23° 8 | 25°42 | 10° 9 | 8°41 | 29°18 | 12°55 |
| T 13 | 19 24 23 | 20°50'20 | 25°23 | 1°40 | 19° 8 | 19°28 | 1°24 | 11°38 | 14°12 | 23° 7 | 25°41 | 10° 2 | 8°38 | 29°24 | 12°56 |
| W14 | 19 28 19 | 21°47'34 | 8°H29 | 3°12 | 20°20 | 20° 5 | 1°19 | 11°34 | 14°14 | 23° 7 | 25°39 | 9°56 | 8°35 | 29°31 | 12°56 |
| T 15 | 19 32 16 | 22°44'49 | 21°49 | 4°48 | 21°33 | 20°43 | 1°15 | 11°30 | 14°16 | 23° 6 | 25°38 | 9°51 | 8°32 | 29°38 | 12°56 |
| F 16 | 19 36 12 | 23°42'03 | 5°H23 | 6°27 | 22°45 | 21°20 | 1°10 | 11°26 | 14°18 | 23° 5 | 25°36 | 9°47 | 8°29 | 29°44 | 12°R56 |
| S 17 | 19 40 9 | 24°39'18 | 19° 9 | 8°10 | 23°57 | 21°57 | 1° 6 | 11°22 | 14°19 | 23° 5 | 25°35 | 9°D46 | 8°26 | 29°51 | 12°56 |
| S 18 | 19 44 6 | 25°36'32 | 3°H 9 | 9°56 | 25°10 | 22°35 | 1° 1 | 11°18 | 14°21 | 23° 4 | 25°34 | 9°46 | 8°22 | 29°58 | 12°56 |
| M19 | 19 48 2 | 26°33'47 | 17°21 | 11°46 | 26°22 | 23°12 | 0°56 | 11°14 | 14°22 | 23° 3 | 25°32 | 9°47 | 8°19 | 0°H 4 | 12°56 |
| T 20 | 19 51 59 | 27°31'02 | 1°H44 | 13°39 | 27°34 | 23°50 | 0°50 | 11° 9 | 14°24 | 23° 3 | 25°31 | 9°48 | 8°16 | 0°11 | 12°55 |
| W21 | 19 55 55 | 28°28'17 | 16°15 | 15°34 | 28°46 | 24°27 | 0°45 | 11° 5 | 14°25 | 23° 2 | 25°29 | 9°R48 | 8°13 | 0°18 | 12°55 |
| T 22 | 19 59 52 | 29°25'33 | 0°H31 | 17°32 | 29°58 | 25° 5 | 0°39 | 11° 1 | 14°27 | 23° 1 | 25°28 | 9°46 | 8°10 | 0°24 | 12°55 |
| F 23 | 20 3 48 | 0°H22'49 | 15°26 | 19°32 | 1°H10 | 25°42 | 0°34 | 10°56 | 14°28 | 23° 0 | 25°26 | 9°43 | 8° 7 | 0°31 | 12°54 |
| S 24 | 20 7 45 | 1°20'05 | 29°53 | 21°34 | 2°22 | 26°20 | 0°28 | 10°52 | 14°30 | 22°59 | 25°25 | 9°36 | 8° 3 | 0°38 | 12°54 |
| S 25 | 20 11 41 | 2°17'22 | 14°H 6 | 23°37 | 3°34 | 26°57 | 0°22 | 10°48 | 14°31 | 22°59 | 25°23 | 9°29 | 8° 0 | 0°44 | 12°54 |
| M26 | 20 15 38 | 3°14'40 | 28° 0 | 25°42 | 4°46 | 27°35 | 0°16 | 10°43 | 14°32 | 22°58 | 25°22 | 9°20 | 7°57 | 0°51 | 12°53 |
| T 27 | 20 19 35 | 4°11'58 | 11°H32 | 27°47 | 5°58 | 28°13 | 0°10 | 10°39 | 14°33 | 22°57 | 25°21 | 9°12 | 7°54 | 0°57 | 12°53 |
| W28 | 20 23 31 | 5° 9'17 | 24°40 | 29°54 | 7°10 | 28°50 | 0° 3 | 10°34 | 14°34 | 22°56 | 25°19 | 9° 4 | 7°51 | 1° 4 | 12°52 |
| T 29 | 20 27 28 | 6° 6'37 | 7°V25 | 2°H 0 | 8°22 | 29°28 | 29°H57 | 10°30 | 14°36 | 22°55 | 25°18 | 8°58 | 7°47 | 1°11 | 12°51 |
| F 30 | 20 31 24 | 7° 3'59 | 19°49 | 4° 7 | 9°33 | 0°H 5 | 29°50 | 10°26 | 14°37 | 22°54 | 25°16 | 8°55 | 7°44 | 1°17 | 12°51 |
| S 31 | 20 35 21 | 8°H 1'21 | 1°H56 | 6°H13 | 10°H45 | 0°H43 | 29°H44 | 10°H21 | 14°H38 | 22°H53 | 25°H15 | 8°H53 | 7°H41 | 1°H24 | 12°V50 |

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AUGUST 2021

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|--------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
| S 1 | 20 39 17 | 8°H58'44 | 13°H52 | 8°H19 | 11°H57 | 1°H21 | 29°R37 | 10°R17 | 14°H39 | 22°R52 | 25°R14 | 8°D53 | 7°H38 | 1°H31 | 12°R49 |
| M 2 | 20 43 14 | 9°56'09 | 25°41 | 10°24 | 13° 8 | 1°58 | 29°H30 | 10°H12 | 14°39 | 22°H51 | 25°H12 | 8°H54 | 7°35 | 1°37 | 12°V48 |
| T 3 | 20 47 10 | 10°53'34 | 7°H30 | 12°28 | 14°20 | 2°36 | 29°23 | 10° 8 | 14°40 | 22°49 | 25°11 | 8°R54 | 7°32 | 1°44 | 12°47 |
| W 4 | 20 51 7 | 11°51'01 | 19°22 | 14°31 | 15°32 | 3°14 | 29°16 | 10° 3 | 14°41 | 22°48 | 25° 9 | 8°54 | 7°28 | 1°51 | 12°46 |
| T 5 | 20 55 4 | 12°48'29 | 1°H22 | 16°33 | 16°43 | 3°52 | 29° 9 | 9°59 | 14°42 | 22°47 | 25° 8 | 8°51 | 7°25 | 1°57 | 12°45 |
| F 6 | 20 59 0 | 13°45'58 | 13°35 | 18°34 | 17°55 | 4°29 | 29° 1 | 9°54 | 14°43 | 22°46 | 25° 7 | 8°46 | 7°22 | 2° 4 | 12°44 |
| S 7 | 21 2 57 | 14°43'28 | 26° 2 | 20°34 | 19° 6 | 5° 7 | 28°54 | 9°50 | 14°43 | 22°45 | 25° 5 | 8°39 | 7°19 | 2°11 | 12°43 |
| S 8 | 21 6 53 | 15°40'59 | 8°H46 | 22°32 | 20°17 | 5°45 | 28°47 | 9°46 | 14°44 | 22°44 | 25° 4 | 8°30 | 7°16 | 2°17 | 12°42 |
| M 9 | 21 10 50 | 16°38'32 | 21°47 | 24°28 | 21°29 | 6°23 | 28°39 | 9°41 | 14°45 | 22°42 | 25° 3 | 8°19 | 7°13 | 2°24 | 12°41 |
| T 10 | 21 14 46 | 17°36'05 | 5°H 3 | 26°24 | 22°40 | 7° 1 | 28°32 | 9°37 | 14°45 | 22°41 | 25° 1 | 8° 7 | 7° 9 | 2°31 | 12°40 |
| W11 | 21 18 43 | 18°33'39 | 18°32 | 28°17 | 23°51 | 7°39 | 28°24 | 9°32 | 14°46 | 22°40 | 25° 0 | 7°57 | 7° 6 | 2°37 | 12°38 |
| T 12 | 21 22 39 | 19°31'15 | 2°H13 | 0°H10 | 25° 3 | 8°17 | 28°16 | 9°28 | 14°46 | 22°39 | 24°59 | 7°48 | 7° 3 | 2°44 | 12°37 |
| F 13 | 21 26 36 | 20°28'51 | 16° 3 | 2° 0 | 26°14 | 8°55 | 28° 9 | 9°24 | 14°46 | 22°37 | 24°58 | 7°41 | 7° 0 | 2°50 | 12°36 |
| S 14 | 21 30 33 | 21°26'28 | 29°59 | 3°50 | 27°25 | 9°33 | 28° 1 | 9°19 | 14°47 | 22°36 | 24°56 | 7°37 | 6°57 | 2°57 | 12°34 |
| S 15 | 21 34 29 | 22°24'06 | 14°H 1 | 5°37 | 28°36 | 10°11 | 27°53 | 9°15 | 14°47 | 22°34 | 24°55 | 7°36 | 6°53 | 3° 4 | 12°33 |
| M16 | 21 38 26 | 23°21'45 | 28° 7 | 7°24 | 29°47 | 10°49 | 27°45 | 9°11 | 14°47 | 22°33 | 24°54 | 7°D36 | 6°50 | 3°10 | 12°31 |
| T 17 | 21 42 22 | 24°19'25 | 12°H17 | 9° 8 | 0°H58 | 11°27 | 27°37 | 9° 6 | 14°47 | 22°32 | 24°53 | 7°R36 | 6°47 | 3°17 | 12°30 |
| W18 | 21 46 19 | 25°17'07 | 26°28 | 10°52 | 2° 9 | 12° 5 | 27°30 | 9° 2 | 14°47 | 22°30 | 24°51 | 7°35 | 6°44 | 3°24 | 12°28 |
| T 19 | 21 50 15 | 26°14'49 | 10°H40 | 12°34 | 3°19 | 12°43 | 27°22 | 8°58 | 14°48 | 22°29 | 24°50 | 7°31 | 6°41 | 3°30 | 12°26 |
| F 20 | 21 54 12 | 27°12'32 | 24°50 | 14°14 | 4°30 | 13°21 | 27°14 | 8°54 | 14°R48 | 22°27 | 24°49 | 7°26 | 6°38 | 3°37 | 12°25 |
| S 21 | 21 58 8 | 28°10'17 | 8°H53 | 15°53 | 5°41 | 13°59 | 27° 6 | 8°50 | 14°48 | 22°26 | 24°48 | 7°17 | 6°34 | 3°44 | 12°23 |
| S 22 | 22 2 5 | 29° 8'02 | 22°45 | 17°31 | 6°52 | 14°37 | 26°58 | 8°46 | 14°47 | 22°25 | 24°47 | 7° 6 | 6°31 | 3°50 | 12°21 |
| M23 | 22 6 2 | 0°H 5'49 | 6°H23 | 19° 7 | 8° 2 | 15°15 | 26°50 | 8°42 | 14°47 | 22°23 | 24°46 | 6°54 | 6°28 | 3°57 | 12°19 |
| T 24 | 22 9 58 | 1° 3'38 | 19°43 | 20°42 | 9°13 | 15°53 | 26°42 | 8°38 | 14°47 | 22°22 | 24°45 | 6°42 | 6°25 | 4° 4 | 12°18 |
| W25 | 22 13 55 | 2° 1'28 | 2°V43 | 22°15 | 10°23 | 16°31 | 26°35 | 8°34 | 14°47 | 22°20 | 24°43 | 6°31 | 6°22 | 4°10 | 12°16 |
| T 26 | 22 17 51 | 2°59'19 | 15°23 | 23°47 | 11°33 | 17°10 | 26°27 | 8°30 | 14°47 | 22°18 | 24°42 | 6°22 | 6°19 | 4°17 | 12°14 |
| F 27 | 22 21 48 | 3°57'13 | 27°44 | 25°18 | 12°44 | 17°48 | 26°19 | 8°26 | 14°46 | 22°17 | 24°41 | 6°16 | 6°15 | 4°23 | 12°12 |
| S 28 | 22 25 44 | 4°55'08 | 9°H51 | 26°47 | 13°54 | 18°26 | 26°11 | 8°23 | 14°46 | 22°15 | 24°40 | 6°12 | 6°12 | 4°30 | 12°10 |
| S 29 | 22 29 41 | 5°53'05 | 21°46 | 28°15 | 15° 4 | 19° 4 | 26° 4 | 8°19 | 14°46 | 22°14 | 24°39 | 6°10 | 6° 9 | 4°37 | 12° 8 |
| M30 | 22 33 37 | 6°51'04 | 3°H36 | 29°42 | 16°14 | 19°43 | 25°56 | 8°15 | 14°45 | 22°12 | 24°38 | 6°10 | 6° 6 | 4°43 | 12° 6 |
| T 31 | 22 37 34 | 7°H49'04 | 15°H24 | 1°H 7 | 17°H24 | 20°H21 | 25°H48 | 8°H12 | 14°H45 | 22°H11 | 24°H37 | 6°H10 | 6°H 3 | 4°H50 | 12°V 4 |

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SWISS EPHEMERIS for the year 2021

SEPTEMBER 2021

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|--------------------|--------------------|---------------------|
| W 1 | 22 41 31 | 8 ^h 47'07" | 27 ^h 11'17" | 2 ^h 30' | 18 ^h 34' | 20 ^h 59' | 25 ^h 41' | 8 ^h 8' | 14 ^h 44' | 22 ^h 9' | 24 ^h 36' | 6 ^h 9' | 5 ^h 59' | 4 ^h 57' | 12 ^h 1' |
| T 2 | 22 45 27 | 9 ^h 45'11" | 9 ^h 52'11" | 3 ^h 52' | 19 ^h 44' | 21 ^h 38' | 25 ^h 34' | 8 ^h 5' | 14 ^h 43' | 22 ^h 7' | 24 ^h 35' | 6 ^h 6' | 5 ^h 56' | 5 ^h 3' | 11 ^h 59' |
| F 3 | 22 49 24 | 10 ^h 43'18" | 21 ^h 39' | 5 ^h 13' | 20 ^h 54' | 22 ^h 16' | 25 ^h 26' | 8 ^h 1' | 14 ^h 43' | 22 ^h 6' | 24 ^h 35' | 6 ^h 1' | 5 ^h 53' | 5 ^h 10' | 11 ^h 57' |
| S 4 | 22 53 20 | 11 ^h 41'26" | 4 ^h 15' | 6 ^h 32' | 22 ^h 4' | 22 ^h 55' | 25 ^h 19' | 7 ^h 58' | 14 ^h 42' | 22 ^h 4' | 24 ^h 34' | 5 ^h 53' | 5 ^h 50' | 5 ^h 17' | 11 ^h 55' |
| S 5 | 22 57 17 | 12 ^h 39'36" | 17 ^h 12' | 7 ^h 50' | 23 ^h 13' | 23 ^h 33' | 25 ^h 12' | 7 ^h 55' | 14 ^h 41' | 22 ^h 3' | 24 ^h 33' | 5 ^h 43' | 5 ^h 47' | 5 ^h 23' | 11 ^h 53' |
| M 6 | 23 1 13 | 13 ^h 37'48" | 0 ^h 31' | 9 ^h 5' | 24 ^h 23' | 24 ^h 12' | 25 ^h 5' | 7 ^h 51' | 14 ^h 41' | 22 ^h 1' | 24 ^h 32' | 5 ^h 31' | 5 ^h 44' | 5 ^h 30' | 11 ^h 50' |
| T 7 | 23 5 10 | 14 ^h 36'01" | 14 ^h 8' | 10 ^h 20' | 25 ^h 32' | 24 ^h 50' | 24 ^h 58' | 7 ^h 48' | 14 ^h 40' | 21 ^h 59' | 24 ^h 31' | 5 ^h 19' | 5 ^h 40' | 5 ^h 37' | 11 ^h 48' |
| W 8 | 23 9 6 | 15 ^h 34'16" | 28 ^h 3' | 11 ^h 32' | 26 ^h 42' | 25 ^h 29' | 24 ^h 51' | 7 ^h 45' | 14 ^h 39' | 21 ^h 58' | 24 ^h 30' | 5 ^h 8' | 5 ^h 37' | 5 ^h 43' | 11 ^h 46' |
| T 9 | 23 13 3 | 16 ^h 32'33" | 12 ^h 9' | 12 ^h 42' | 27 ^h 51' | 26 ^h 7' | 24 ^h 44' | 7 ^h 42' | 14 ^h 38' | 21 ^h 56' | 24 ^h 30' | 4 ^h 58' | 5 ^h 34' | 5 ^h 50' | 11 ^h 43' |
| F 10 | 23 17 0 | 17 ^h 30'52" | 26 ^h 23' | 13 ^h 51' | 29 ^h 0' | 26 ^h 46' | 24 ^h 37' | 7 ^h 39' | 14 ^h 37' | 21 ^h 54' | 24 ^h 29' | 4 ^h 51' | 5 ^h 31' | 5 ^h 56' | 11 ^h 41' |
| S 11 | 23 20 56 | 18 ^h 29'12" | 10 ^h 40' | 14 ^h 57' | 0 ^h 10' | 27 ^h 25' | 24 ^h 31' | 7 ^h 36' | 14 ^h 36' | 21 ^h 53' | 24 ^h 28' | 4 ^h 46' | 5 ^h 28' | 6 ^h 3' | 11 ^h 38' |
| S 12 | 23 24 53 | 19 ^h 27'34" | 24 ^h 55' | 16 ^h 2' | 1 ^h 19' | 28 ^h 3' | 24 ^h 24' | 7 ^h 34' | 14 ^h 35' | 21 ^h 51' | 24 ^h 27' | 4 ^h 45' | 5 ^h 24' | 6 ^h 10' | 11 ^h 36' |
| M13 | 23 28 49 | 20 ^h 25'58" | 9 ^h 7' | 17 ^h 3' | 2 ^h 28' | 28 ^h 42' | 24 ^h 18' | 7 ^h 31' | 14 ^h 34' | 21 ^h 49' | 24 ^h 27' | 4 ^h 44' | 5 ^h 21' | 6 ^h 16' | 11 ^h 34' |
| T 14 | 23 32 46 | 21 ^h 24'23" | 23 ^h 14' | 18 ^h 3' | 3 ^h 37' | 29 ^h 21' | 24 ^h 12' | 7 ^h 28' | 14 ^h 32' | 21 ^h 48' | 24 ^h 26' | 4 ^h 43' | 5 ^h 18' | 6 ^h 23' | 11 ^h 31' |
| W15 | 23 36 42 | 22 ^h 22'49" | 7 ^h 15' | 19 ^h 0' | 4 ^h 45' | 0 ^h 0' | 24 ^h 6' | 7 ^h 26' | 14 ^h 31' | 21 ^h 46' | 24 ^h 26' | 4 ^h 44' | 5 ^h 15' | 6 ^h 30' | 11 ^h 29' |
| T 16 | 23 40 39 | 23 ^h 21'18" | 21 ^h 9' | 19 ^h 54' | 5 ^h 54' | 0 ^h 38' | 24 ^h 0' | 7 ^h 24' | 14 ^h 30' | 21 ^h 44' | 24 ^h 25' | 4 ^h 41' | 5 ^h 12' | 6 ^h 36' | 11 ^h 26' |
| F 17 | 23 44 35 | 24 ^h 19'47" | 4 ^h 56' | 20 ^h 45' | 7 ^h 3' | 1 ^h 17' | 23 ^h 54' | 7 ^h 21' | 14 ^h 29' | 21 ^h 43' | 24 ^h 24' | 4 ^h 36' | 5 ^h 9' | 6 ^h 43' | 11 ^h 23' |
| S 18 | 23 48 32 | 25 ^h 18'19" | 18 ^h 34' | 21 ^h 33' | 8 ^h 11' | 1 ^h 56' | 23 ^h 48' | 7 ^h 19' | 14 ^h 27' | 21 ^h 41' | 24 ^h 24' | 4 ^h 28' | 5 ^h 5' | 6 ^h 50' | 11 ^h 21' |
| S 19 | 23 52 29 | 26 ^h 16'52" | 2 ^h 1' | 22 ^h 17' | 9 ^h 20' | 2 ^h 35' | 23 ^h 43' | 7 ^h 17' | 14 ^h 26' | 21 ^h 40' | 24 ^h 23' | 4 ^h 18' | 5 ^h 2' | 6 ^h 56' | 11 ^h 18' |
| M20 | 23 56 25 | 27 ^h 15'26" | 15 ^h 16' | 22 ^h 58' | 10 ^h 28' | 3 ^h 14' | 23 ^h 37' | 7 ^h 15' | 14 ^h 25' | 21 ^h 38' | 24 ^h 23' | 4 ^h 6' | 4 ^h 59' | 7 ^h 3' | 11 ^h 16' |
| T 21 | 0 0 22 | 28 ^h 14'03" | 28 ^h 17' | 23 ^h 34' | 11 ^h 36' | 3 ^h 53' | 23 ^h 32' | 7 ^h 13' | 14 ^h 23' | 21 ^h 36' | 24 ^h 22' | 3 ^h 55' | 4 ^h 56' | 7 ^h 10' | 11 ^h 13' |
| W22 | 0 4 18 | 29 ^h 12'42" | 11 ^h 19' | 24 ^h 6' | 12 ^h 44' | 4 ^h 32' | 23 ^h 27' | 7 ^h 11' | 14 ^h 22' | 21 ^h 35' | 24 ^h 22' | 3 ^h 45' | 4 ^h 53' | 7 ^h 16' | 11 ^h 10' |
| T 23 | 0 8 15 | 0 ^h 11'22" | 23 ^h 31' | 24 ^h 33' | 13 ^h 52' | 5 ^h 11' | 23 ^h 22' | 7 ^h 9' | 14 ^h 20' | 21 ^h 33' | 24 ^h 22' | 3 ^h 36' | 4 ^h 50' | 7 ^h 23' | 11 ^h 8' |
| F 24 | 0 12 11 | 1 ^h 10'05" | 5 ^h 46' | 24 ^h 56' | 15 ^h 0' | 5 ^h 50' | 23 ^h 18' | 7 ^h 7' | 14 ^h 18' | 21 ^h 31' | 24 ^h 21' | 3 ^h 30' | 4 ^h 46' | 7 ^h 29' | 11 ^h 5' |
| S 25 | 0 16 8 | 2 ^h 8'50" | 17 ^h 49' | 25 ^h 13' | 16 ^h 7' | 6 ^h 29' | 23 ^h 13' | 7 ^h 6' | 14 ^h 17' | 21 ^h 30' | 24 ^h 21' | 3 ^h 26' | 4 ^h 43' | 7 ^h 36' | 11 ^h 3' |
| S 26 | 0 20 4 | 3 ^h 7'37" | 29 ^h 42' | 25 ^h 24' | 17 ^h 15' | 7 ^h 8' | 23 ^h 9' | 7 ^h 4' | 14 ^h 15' | 21 ^h 28' | 24 ^h 21' | 3 ^h 25' | 4 ^h 40' | 7 ^h 43' | 11 ^h 0' |
| M27 | 0 24 1 | 4 ^h 6'26" | 11 ^h 30' | 25 ^h 28' | 18 ^h 22' | 7 ^h 47' | 23 ^h 4' | 7 ^h 3' | 14 ^h 13' | 21 ^h 26' | 24 ^h 20' | 3 ^h 25' | 4 ^h 37' | 7 ^h 49' | 10 ^h 57' |
| T 28 | 0 27 57 | 5 ^h 5'18" | 23 ^h 18' | 25 ^h 26' | 19 ^h 30' | 8 ^h 26' | 23 ^h 0' | 7 ^h 1' | 14 ^h 12' | 21 ^h 25' | 24 ^h 20' | 3 ^h 26' | 4 ^h 34' | 7 ^h 56' | 10 ^h 54' |
| W29 | 0 31 54 | 6 ^h 4'11" | 5 ^h 11' | 25 ^h 17' | 20 ^h 37' | 9 ^h 5' | 22 ^h 57' | 7 ^h 0' | 14 ^h 10' | 21 ^h 23' | 24 ^h 20' | 3 ^h 27' | 4 ^h 30' | 8 ^h 3' | 10 ^h 52' |
| T 30 | 0 35 51 | 7 ^h 3'08" | 17 ^h 14' | 25 ^h 1' | 21 ^h 44' | 9 ^h 44' | 22 ^h 53' | 6 ^h 59' | 14 ^h 8' | 21 ^h 22' | 24 ^h 20' | 3 ^h 26' | 4 ^h 27' | 8 ^h 9' | 10 ^h 49' |

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OCTOBER 2021

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| Day | Sid.t | ☉ | ☽ | ♂ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|---------|----------|-------|--------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|--------|
| F 1 | 0 39 47 | 8♂ 2'06 | 29♂32 | 24♂R37 | 22♂51 | 10♂24 | 22♂R49 | 6♂R58 | 14♂R 6 | 21♂R20 | 24♂R19 | 3♂R24 | 4♂R24 | 8♂R16 | 10♂R46 |
| S 2 | 0 43 44 | 9° 1'07 | 12♂11 | 24♂ 6 | 23°58 | 11° 3 | 22♂46 | 6♂57 | 14♂ 4 | 21♂R19 | 24♂R19 | 3♂R19 | 4°21 | 8°23 | 10♂Y44 |
| S 3 | 0 47 40 | 10° 0'09 | 25°13 | 23°27 | 25° 4 | 11°42 | 22°43 | 6°56 | 14° 3 | 21°17 | 24°19 | 3°12 | 4°18 | 8°29 | 10°41 |
| M 4 | 0 51 37 | 10°59'14 | 8♂40 | 22°40 | 26°11 | 12°22 | 22°40 | 6°55 | 14° 1 | 21°15 | 24°19 | 3° 4 | 4°15 | 8°36 | 10°38 |
| T 5 | 0 55 33 | 11°58'22 | 22°32 | 21°47 | 27°17 | 13° 1 | 22°37 | 6°55 | 13°59 | 21°14 | 24°19 | 2°56 | 4°11 | 8°43 | 10°36 |
| W 6 | 0 59 30 | 12°57'31 | 6♂45 | 20°47 | 28°23 | 13°40 | 22°35 | 6°54 | 13°57 | 21°12 | 24°19 | 2°47 | 4° 8 | 8°49 | 10°33 |
| T 7 | 1 3 26 | 13°56'42 | 21°14 | 19°43 | 29°29 | 14°20 | 22°32 | 6°54 | 13°55 | 21°11 | 24°D19 | 2°41 | 4° 5 | 8°56 | 10°30 |
| F 8 | 1 7 23 | 14°55'56 | 5♂15 | 18°34 | 0♂35 | 14°59 | 22°30 | 6°53 | 13°53 | 21° 9 | 24°19 | 2°36 | 4° 2 | 9° 3 | 10°27 |
| S 9 | 1 11 20 | 15°55'11 | 20°36 | 17°24 | 1°40 | 15°39 | 22°28 | 6°53 | 13°50 | 21° 8 | 24°19 | 2°33 | 3°59 | 9° 9 | 10°25 |
| S 10 | 1 15 16 | 16°54'28 | 5♂14 | 16°13 | 2°46 | 16°18 | 22°27 | 6°53 | 13°48 | 21° 7 | 24°19 | 2°D33 | 3°56 | 9°16 | 10°22 |
| M11 | 1 19 13 | 17°53'48 | 19°43 | 15° 4 | 3°51 | 16°58 | 22°25 | 6°D53 | 13°46 | 21° 5 | 24°19 | 2°33 | 3°52 | 9°22 | 10°19 |
| T 12 | 1 23 9 | 18°53'09 | 4♂ 0 | 13°58 | 4°56 | 17°37 | 22°24 | 6°53 | 13°44 | 21° 4 | 24°19 | 2°35 | 3°49 | 9°29 | 10°17 |
| W13 | 1 27 6 | 19°52'31 | 18° 2 | 12°58 | 6° 1 | 18°17 | 22°23 | 6°53 | 13°42 | 21° 2 | 24°19 | 2°R35 | 3°46 | 9°36 | 10°14 |
| T 14 | 1 31 2 | 20°51'56 | 1♂50 | 12° 5 | 7° 5 | 18°57 | 22°22 | 6°53 | 13°40 | 21° 1 | 24°20 | 2°35 | 3°43 | 9°42 | 10°11 |
| F 15 | 1 34 59 | 21°51'22 | 15°23 | 11°21 | 8°10 | 19°36 | 22°21 | 6°53 | 13°37 | 20°59 | 24°20 | 2°32 | 3°40 | 9°49 | 10° 9 |
| S 16 | 1 38 55 | 22°50'49 | 28°42 | 10°46 | 9°14 | 20°16 | 22°20 | 6°54 | 13°35 | 20°58 | 24°20 | 2°28 | 3°36 | 9°56 | 10° 6 |
| S 17 | 1 42 52 | 23°50'19 | 11♂48 | 10°23 | 10°18 | 20°56 | 22°20 | 6°54 | 13°33 | 20°57 | 24°20 | 2°23 | 3°33 | 10° 2 | 10° 3 |
| M18 | 1 46 49 | 24°49'50 | 24°40 | 10°10 | 11°21 | 21°36 | 22°D20 | 6°55 | 13°31 | 20°55 | 24°21 | 2°16 | 3°30 | 10° 9 | 10° 1 |
| T 19 | 1 50 45 | 25°49'23 | 7♂19 | 10°D 8 | 12°25 | 22°16 | 22°20 | 6°56 | 13°28 | 20°54 | 24°21 | 2°10 | 3°27 | 10°16 | 9°58 |
| W20 | 1 54 42 | 26°48'58 | 19°47 | 10°18 | 13°28 | 22°55 | 22°20 | 6°57 | 13°26 | 20°53 | 24°21 | 2° 4 | 3°24 | 10°22 | 9°56 |
| T 21 | 1 58 38 | 27°48'35 | 2♂ 2 | 10°38 | 14°31 | 23°35 | 22°21 | 6°58 | 13°24 | 20°52 | 24°22 | 1°59 | 3°21 | 10°29 | 9°53 |
| F 22 | 2 2 35 | 28°48'15 | 14° 8 | 11° 8 | 15°33 | 24°15 | 22°21 | 6°59 | 13°21 | 20°50 | 24°22 | 1°56 | 3°17 | 10°36 | 9°51 |
| S 23 | 2 6 31 | 29°47'56 | 26° 4 | 11°47 | 16°36 | 24°55 | 22°22 | 7° 0 | 13°19 | 20°49 | 24°23 | 1°54 | 3°14 | 10°42 | 9°48 |
| S 24 | 2 10 28 | 0♂47'39 | 7♂15 | 12°35 | 17°38 | 25°35 | 22°23 | 7° 1 | 13°16 | 20°48 | 24°23 | 1°D54 | 3°11 | 10°49 | 9°46 |
| M25 | 2 14 24 | 1°47'25 | 19°41 | 13°30 | 18°39 | 26°15 | 22°24 | 7° 2 | 13°14 | 20°47 | 24°24 | 1°55 | 3° 8 | 10°55 | 9°43 |
| T 26 | 2 18 21 | 2°47'12 | 1♂29 | 14°32 | 19°41 | 26°55 | 22°26 | 7° 4 | 13°12 | 20°46 | 24°24 | 1°57 | 3° 5 | 11° 2 | 9°41 |
| W27 | 2 22 18 | 3°47'02 | 13°21 | 15°40 | 20°42 | 27°35 | 22°27 | 7° 5 | 13° 9 | 20°45 | 24°25 | 1°59 | 3° 1 | 11° 9 | 9°38 |
| T 28 | 2 26 14 | 4°46'54 | 25°22 | 16°53 | 21°43 | 28°16 | 22°29 | 7° 7 | 13° 7 | 20°44 | 24°26 | 2° 0 | 2°58 | 11°15 | 9°36 |
| F 29 | 2 30 11 | 5°46'49 | 7♂38 | 18°10 | 22°43 | 28°56 | 22°31 | 7° 9 | 13° 4 | 20°43 | 24°26 | 2°R 0 | 2°55 | 11°22 | 9°33 |
| S 30 | 2 34 7 | 6°46'45 | 20°13 | 19°32 | 23°43 | 29°36 | 22°34 | 7°11 | 13° 2 | 20°41 | 24°27 | 2° 0 | 2°52 | 11°29 | 9°31 |
| S 31 | 2 38 4 | 7♂46'44 | 3♂12 | 20♂56 | 24♂42 | 0♂16 | 22♂36 | 7♂13 | 12♂59 | 20♂40 | 24♂28 | 1♂58 | 2♂49 | 11♂35 | 9♂Y29 |

SWISS EPHEMERIS for the year 2021

NOVEMBER 2021

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|---------|----------|-------|-------|-------|-------|-------|------|--------|--------|-------|-------|------|-------|-------|
| M 1 | 2 42 0 | 8♈46'44 | 16♏37 | 22♊23 | 25♌42 | 0♈56 | 22♊39 | 7♈15 | 12♏R57 | 20♏R39 | 24♏28 | 1♏R55 | 2♏46 | 11♏42 | 9♏R27 |
| T 2 | 2 45 57 | 9♏46'47 | 0♏29 | 23°53 | 26°41 | 1°37 | 22°42 | 7°17 | 12♏54 | 20♏39 | 24°29 | 1♏52 | 2°42 | 11°49 | 9♏Y24 |
| W 3 | 2 49 53 | 10°46'52 | 14°47 | 25°24 | 27°39 | 2°17 | 22°45 | 7°19 | 12°52 | 20°38 | 24°30 | 1°49 | 2°39 | 11°55 | 9°22 |
| T 4 | 2 53 50 | 11°46'59 | 29°28 | 26°57 | 28°37 | 2°58 | 22°48 | 7°21 | 12°49 | 20°37 | 24°31 | 1°46 | 2°36 | 12° 2 | 9°20 |
| F 5 | 2 57 47 | 12°47'07 | 14♈24 | 28°31 | 29°34 | 3°38 | 22°51 | 7°24 | 12°47 | 20°36 | 24°31 | 1°44 | 2°33 | 12° 9 | 9°18 |
| S 6 | 3 1 43 | 13°47'18 | 29°27 | 0♈ 6 | 0♏31 | 4°19 | 22°55 | 7°26 | 12°45 | 20°35 | 24°32 | 1°D44 | 2°30 | 12°15 | 9°16 |
| S 7 | 3 5 40 | 14°47'31 | 14♏29 | 1°41 | 1°28 | 4°59 | 22°59 | 7°29 | 12°42 | 20°34 | 24°33 | 1°44 | 2°27 | 12°22 | 9°13 |
| M 8 | 3 9 36 | 15°47'45 | 29°21 | 3°17 | 2°24 | 5°40 | 23° 3 | 7°32 | 12°40 | 20°33 | 24°34 | 1°45 | 2°23 | 12°29 | 9°11 |
| T 9 | 3 13 33 | 16°48'00 | 13♏57 | 4°54 | 3°20 | 6°20 | 23° 7 | 7°34 | 12°37 | 20°33 | 24°35 | 1°46 | 2°20 | 12°35 | 9° 9 |
| W10 | 3 17 29 | 17°48'17 | 28°13 | 6°31 | 4°15 | 7° 1 | 23°11 | 7°37 | 12°35 | 20°32 | 24°36 | 1°47 | 2°17 | 12°42 | 9° 7 |
| T 11 | 3 21 26 | 18°48'36 | 12♏ 6 | 8° 7 | 5° 9 | 7°42 | 23°16 | 7°40 | 12°32 | 20°31 | 24°37 | 1°48 | 2°14 | 12°48 | 9° 5 |
| F 12 | 3 25 22 | 19°48'56 | 25°38 | 9°44 | 6° 3 | 8°22 | 23°21 | 7°43 | 12°30 | 20°31 | 24°38 | 1°R48 | 2°11 | 12°55 | 9° 4 |
| S 13 | 3 29 19 | 20°49'17 | 8♏49 | 11°21 | 6°56 | 9° 3 | 23°25 | 7°47 | 12°27 | 20°30 | 24°39 | 1°47 | 2° 7 | 13° 2 | 9° 2 |
| S 14 | 3 33 16 | 21°49'39 | 21°41 | 12°58 | 7°48 | 9°44 | 23°31 | 7°50 | 12°25 | 20°29 | 24°40 | 1°46 | 2° 4 | 13° 8 | 9° 0 |
| M15 | 3 37 12 | 22°50'03 | 4♏17 | 14°35 | 8°40 | 10°25 | 23°36 | 7°53 | 12°22 | 20°29 | 24°41 | 1°45 | 2° 1 | 13°15 | 8°58 |
| T 16 | 3 41 9 | 23°50'29 | 16°39 | 16°12 | 9°31 | 11° 5 | 23°41 | 7°57 | 12°20 | 20°28 | 24°42 | 1°44 | 1°58 | 13°22 | 8°56 |
| W17 | 3 45 5 | 24°50'55 | 28°51 | 17°48 | 10°22 | 11°46 | 23°47 | 8° 0 | 12°18 | 20°28 | 24°44 | 1°43 | 1°55 | 13°28 | 8°55 |
| T 18 | 3 49 2 | 25°51'24 | 10♏53 | 19°24 | 11°11 | 12°27 | 23°53 | 8° 4 | 12°15 | 20°27 | 24°45 | 1°42 | 1°52 | 13°35 | 8°53 |
| F 19 | 3 52 58 | 26°51'53 | 22°49 | 21° 0 | 12° 0 | 13° 8 | 23°59 | 8° 7 | 12°13 | 20°27 | 24°46 | 1°42 | 1°48 | 13°42 | 8°51 |
| S 20 | 3 56 55 | 27°52'25 | 4♏40 | 22°36 | 12°48 | 13°49 | 24° 5 | 8°11 | 12°10 | 20°26 | 24°47 | 1°D42 | 1°45 | 13°48 | 8°50 |
| S 21 | 4 0 51 | 28°52'58 | 16°28 | 24°12 | 13°35 | 14°30 | 24°11 | 8°15 | 12° 8 | 20°26 | 24°48 | 1°42 | 1°42 | 13°55 | 8°48 |
| M22 | 4 4 48 | 29°53'32 | 28°15 | 25°48 | 14°21 | 15°11 | 24°18 | 8°19 | 12° 6 | 20°26 | 24°50 | 1°42 | 1°39 | 14° 2 | 8°47 |
| T 23 | 4 8 45 | 0♏54'08 | 10♏ 5 | 27°23 | 15° 6 | 15°52 | 24°24 | 8°23 | 12° 3 | 20°25 | 24°51 | 1°42 | 1°36 | 14° 8 | 8°45 |
| W24 | 4 12 41 | 1°54'46 | 22° 0 | 28°58 | 15°50 | 16°33 | 24°31 | 8°27 | 12° 1 | 20°25 | 24°52 | 1°R42 | 1°33 | 14°15 | 8°44 |
| T 25 | 4 16 38 | 2°55'25 | 4♏ 3 | 0♏33 | 16°34 | 17°15 | 24°38 | 8°31 | 11°59 | 20°25 | 24°54 | 1°42 | 1°29 | 14°22 | 8°43 |
| F 26 | 4 20 34 | 3°56'06 | 16°19 | 2° 8 | 17°16 | 17°56 | 24°45 | 8°36 | 11°57 | 20°25 | 24°55 | 1°42 | 1°26 | 14°28 | 8°41 |
| S 27 | 4 24 31 | 4°56'48 | 28°50 | 3°43 | 17°57 | 18°37 | 24°52 | 8°40 | 11°54 | 20°25 | 24°56 | 1°42 | 1°23 | 14°35 | 8°40 |
| S 28 | 4 28 27 | 5°57'32 | 11♏42 | 5°17 | 18°37 | 19°18 | 25° 0 | 8°44 | 11°52 | 20°24 | 24°58 | 1°D42 | 1°20 | 14°41 | 8°39 |
| M29 | 4 32 24 | 6°58'18 | 24°58 | 6°52 | 19°15 | 20° 0 | 25° 7 | 8°49 | 11°50 | 20°24 | 24°59 | 1°42 | 1°17 | 14°48 | 8°38 |
| T 30 | 4 36 20 | 7°59'05 | 8♏40 | 8♏26 | 19♏53 | 20♏41 | 25♏15 | 8♏53 | 11♏48 | 20♏24 | 25♏ 1 | 1♏43 | 1♏13 | 14♏55 | 8♏Y37 |

Delta T = 74.45 sec.

DECEMBER 2021

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|---------|----------|-------|-------|--------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|
| W 1 | 4 40 17 | 8♏59'53 | 22♊49 | 10♏ 0 | 20♏29 | 21♏23 | 25♏23 | 8♏58 | 11♏R46 | 20♏R24 | 25♏ 2 | 1♏43 | 1♏10 | 15♏ 1 | 8♏R36 |
| T 2 | 4 44 14 | 10° 0'43 | 7♏23 | 11°35 | 21° 4 | 22° 4 | 25°31 | 9° 3 | 11♏44 | 20°D24 | 25° 4 | 1°44 | 1° 7 | 15° 8 | 8♏Y35 |
| F 3 | 4 48 10 | 11° 1'35 | 22°18 | 13° 9 | 21°37 | 22°46 | 25°39 | 9° 8 | 11°42 | 20♏24 | 25° 5 | 1°44 | 1° 4 | 15°15 | 8°34 |
| S 4 | 4 52 7 | 12° 2'28 | 7♏28 | 14°43 | 22° 9 | 23°27 | 25°48 | 9°13 | 11°39 | 20°24 | 25° 7 | 1°R44 | 1° 1 | 15°21 | 8°33 |
| S 5 | 4 56 3 | 13° 3'21 | 22°43 | 16°17 | 22°40 | 24° 9 | 25°56 | 9°17 | 11°37 | 20°24 | 25° 8 | 1°44 | 0°58 | 15°28 | 8°32 |
| M 6 | 5 0 0 | 14° 4'16 | 7♏32 | 17°51 | 23° 8 | 24°50 | 26° 5 | 9°23 | 11°35 | 20°25 | 25°10 | 1°43 | 0°54 | 15°35 | 8°31 |
| T 7 | 5 3 56 | 15° 5'12 | 22°47 | 19°25 | 23°36 | 25°32 | 26°13 | 9°28 | 11°34 | 20°25 | 25°11 | 1°41 | 0°51 | 15°41 | 8°31 |
| W 8 | 5 7 53 | 16° 6'09 | 7♏21 | 20°59 | 24° 1 | 26°14 | 26°22 | 9°33 | 11°32 | 20°25 | 25°13 | 1°39 | 0°48 | 15°48 | 8°30 |
| T 9 | 5 11 50 | 17° 7'06 | 21°28 | 22°33 | 24°25 | 26°55 | 26°31 | 9°38 | 11°30 | 20°25 | 25°15 | 1°38 | 0°45 | 15°55 | 8°29 |
| F 10 | 5 15 46 | 18° 8'04 | 5♏ 8 | 24° 7 | 24°47 | 27°37 | 26°41 | 9°43 | 11°28 | 20°25 | 25°16 | 1°36 | 0°42 | 16° 1 | 8°29 |
| S 11 | 5 19 43 | 19° 9'03 | 18°21 | 25°41 | 25° 7 | 28°19 | 26°50 | 9°49 | 11°26 | 20°26 | 25°18 | 1°D36 | 0°39 | 16° 8 | 8°28 |
| S 12 | 5 23 39 | 20°10'02 | 1°Y11 | 27°16 | 25°25 | 29° 1 | 26°59 | 9°54 | 11°24 | 20°26 | 25°20 | 1°36 | 0°35 | 16°15 | 8°28 |
| M13 | 5 27 36 | 21°11'01 | 13°40 | 28°50 | 25°40 | 29°43 | 27° 9 | 10° 0 | 11°23 | 20°26 | 25°21 | 1°38 | 0°32 | 16°21 | 8°27 |
| T 14 | 5 31 32 | 22°12'01 | 25°53 | 0♏24 | 25°54 | 0♏25 | 27°19 | 10° 5 | 11°21 | 20°27 | 25°23 | 1°39 | 0°29 | 16°28 | 8°27 |
| W15 | 5 35 29 | 23°13'02 | 7♏54 | 1°58 | 26° 6 | 1° 7 | 27°28 | 10°11 | 11°19 | 20°27 | 25°25 | 1°41 | 0°26 | 16°35 | 8°27 |
| T 16 | 5 39 25 | 24°14'03 | 19°48 | 3°33 | 26°15 | 1°49 | 27°38 | 10°16 | 11°17 | 20°28 | 25°27 | 1°42 | 0°23 | 16°41 | 8°27 |
| F 17 | 5 43 22 | 25°15'05 | 1♏37 | 5° 7 | 26°22 | 2°31 | 27°48 | 10°22 | 11°16 | 20°28 | 25°28 | 1°R43 | 0°19 | 16°48 | 8°26 |
| S 18 | 5 47 19 | 26°16'08 | 13°25 | 6°42 | 26°27 | 3°13 | 27°59 | 10°28 | 11°14 | 20°29 | 25°30 | 1°42 | 0°16 | 16°55 | 8°26 |
| S 19 | 5 51 15 | 27°17'11 | 25°13 | 8°16 | 26°R29 | 3°55 | 28° 9 | 10°34 | 11°13 | 20°29 | 25°32 | 1°40 | 0°13 | 17° 1 | 8°26 |
| M20 | 5 55 12 | 28°18'15 | 7♏ 5 | 9°50 | 26°29 | 4°37 | 28°19 | 10°40 | 11°11 | 20°30 | 25°34 | 1°37 | 0°10 | 17° 8 | 8°D26 |
| T 21 | 5 59 8 | 29°19'19 | 19° 1 | 11°25 | 26°26 | 5°19 | 28°30 | 10°46 | 11°10 | 20°31 | 25°35 | 1°32 | 0° 7 | 17°14 | 8°26 |
| W22 | 6 3 5 | 0♏20'24 | 1♏ 4 | 12°59 | 26°21 | 6° 1 | 28°41 | 10°52 | 11° 9 | 20°31 | 25°37 | 1°27 | 0° 4 | 17°21 | 8°26 |
| T 23 | 6 7 1 | 1°21'29 | 13°15 | 14°33 | 26°14 | 6°44 | 28°51 | 10°58 | 11° 7 | 20°32 | 25°39 | 1°22 | 0° 0 | 17°28 | 8°26 |
| F 24 | 6 10 58 | 2°22'35 | 25°37 | 16° 6 | 26° 4 | 7°26 | 29° 2 | 11° 4 | 11° 6 | 20°33 | 25°41 | 1°17 | 29♏57 | 17°34 | 8°27 |
| S 25 | 6 14 54 | 3°23'42 | 8♏12 | 17°40 | 25°51 | 8° 8 | 29°13 | 11°10 | 11° 5 | 20°34 | 25°43 | 1°13 | 29°54 | 17°41 | 8°27 |
| S 26 | 6 18 51 | 4°24'49 | 21° 3 | 19°13 | 25°36 | 8°51 | 29°24 | 11°16 | 11° 3 | 20°35 | 25°45 | 1°10 | 29°51 | 17°48 | 8°27 |
| M27 | 6 22 48 | 5°25'57 | 4♏12 | 20°45 | 25°18 | 9°33 | 29°35 | 11°22 | 11° 2 | 20°35 | 25°47 | 1°D 9 | 29°48 | 17°54 | 8°28 |
| T 28 | 6 26 44 | 6°27'05 | 17°43 | 22°16 | 24°59 | 10°16 | 29°47 | 11°29 | 11° 1 | 20°36 | 25°48 | 1°10 | 29°45 | 18° 1 | 8°28 |
| W29 | 6 30 41 | 7°28'14 | 1♏36 | 23°47 | 24°37 | 10°58 | 29°58 | 11°35 | 11° 0 | 20°37 | 25°50 | 1°11 | 29°41 | 18° 8 | 8°29 |
| T 30 | 6 34 37 | 8°29'24 | 15°53 | 25°17 | 24°12 | 11°41 | 0♏ 9 | 11°41 | 10°59 | 20°38 | 25°52 | 1°13 | 29°38 | 18°14 | 8°29 |
| F 31 | 6 38 34 | 9♏30'34 | 0♏32 | 26♏45 | 23♏46 | 12♏23 | 0♏21 | 11♏48 | 10♏58 | 20♏39 | 25♏54 | 1°R13 | 29♏35 | 18♏21 | 8♏Y30 |

Delta T = 74.58 sec.

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