

SWISS EPHEMERIS for the year 2302

JANUARY 2302

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|---------|----------|----------|----------|----------|----------|---------|---------|----------|----------|----------|----------|----------|----------|---------|---|---|
| W 1 | 6 39 19 | 9°33'26 | 19°33'34 | 23°50'50 | 22°46'46 | 14°50'50 | 2°32'32 | 5°52'52 | 24°19'19 | 9°19'19 | 16°16'16 | 15°42'42 | 14°08'08 | 11°20'20 | 1°38'38 | | |
| T 2 | 6 43 16 | 10°34'35 | 1°31'31 | 25°19'19 | 23°49'49 | 15°27'27 | 2°40'40 | 5°50'50 | 24°19'19 | 9°21'21 | 16°20'20 | 15°31'31 | 14°04'04 | 11°27'27 | 1°44'44 | | |
| F 3 | 6 47 12 | 11°35'44 | 13°24'24 | 26°48'48 | 24°52'52 | 16°04'04 | 2°48'48 | 5°49'49 | 24°19'19 | 9°23'23 | 16°03'03 | 15°19'19 | 14°01'01 | 11°33'33 | 1°49'49 | | |
| S 4 | 6 51 09 | 12°36'52 | 25°15'15 | 28°18'18 | 25°56'56 | 16°42'42 | 2°56'56 | 5°47'47 | 24°18'18 | 9°25'25 | 16°04'04 | 15°09'09 | 13°58'58 | 11°40'40 | 1°54'54 | | |
| S 5 | 6 55 05 | 13°38'01 | 7°06'06 | 29°48'48 | 27°00'00 | 17°19'19 | 3°04'04 | 5°45'45 | 24°18'18 | 9°27'27 | 16°05'05 | 15°01'01 | 13°55'55 | 11°47'47 | 1°59'59 | | |
| M 6 | 6 59 02 | 14°39'10 | 19°02'02 | 1°18'18 | 28°04'04 | 17°56'56 | 3°12'12 | 5°43'43 | 24°18'18 | 9°29'29 | 16°06'06 | 14°55'55 | 13°52'52 | 11°54'54 | 2°05'05 | | |
| T 7 | 7 02 58 | 15°40'19 | 1°09'09 | 2°49'49 | 29°08'08 | 18°34'34 | 3°20'20 | 5°41'41 | 24°17'17 | 9°31'31 | 16°06'06 | 14°51'51 | 13°49'49 | 12°00'00 | 2°10'10 | | |
| W 8 | 7 06 55 | 16°41'27 | 13°20'20 | 4°20'20 | 0°13'13 | 19°11'11 | 3°27'27 | 5°38'38 | 24°17'17 | 9°33'33 | 16°07'07 | 14°D50 | 13°45'45 | 12°07'07 | 2°15'15 | | |
| T 9 | 7 10 52 | 17°42'36 | 25°52'52 | 5°51'51 | 1°18'18 | 19°48'48 | 3°34'34 | 5°36'36 | 24°16'16 | 9°35'35 | 16°08'08 | 14°50'50 | 13°42'42 | 12°14'14 | 2°20'20 | | |
| F 10 | 7 14 48 | 18°43'44 | 8°47'47 | 7°23'23 | 2°23'23 | 20°25'25 | 3°41'41 | 5°33'33 | 24°16'16 | 9°36'36 | 16°09'09 | 14°R51 | 13°39'39 | 12°20'20 | 2°26'26 | | |
| S 11 | 7 18 45 | 19°44'52 | 22°09'09 | 8°55'55 | 3°28'28 | 21°02'02 | 3°48'48 | 5°31'31 | 24°15'15 | 9°38'38 | 16°10'10 | 14°51'51 | 13°36'36 | 12°27'27 | 2°31'31 | | |
| S 12 | 7 22 41 | 20°45'59 | 5°11'59 | 10°28'28 | 4°34'34 | 21°39'39 | 3°55'55 | 5°28'28 | 24°15'15 | 9°40'40 | 16°11'11 | 14°49'49 | 13°33'33 | 12°34'34 | 2°36'36 | | |
| M13 | 7 26 38 | 21°47'06 | 20°20'20 | 12°01'01 | 5°40'40 | 22°17'17 | 4°02'02 | 5°25'25 | 24°14'14 | 9°42'42 | 16°12'12 | 14°44'44 | 13°30'30 | 12°41'41 | 2°42'42 | | |
| T 14 | 7 30 34 | 22°48'14 | 5°07'07 | 13°35'35 | 6°46'46 | 22°54'54 | 4°09'09 | 5°23'23 | 24°13'13 | 9°44'44 | 16°13'13 | 14°37'37 | 13°26'26 | 12°47'47 | 2°47'47 | | |
| W15 | 7 34 31 | 23°49'20 | 20°15'15 | 15°08'08 | 7°53'53 | 23°31'31 | 4°15'15 | 5°20'20 | 24°12'12 | 9°45'45 | 16°14'14 | 14°28'28 | 13°23'23 | 12°54'54 | 2°53'53 | | |
| T 16 | 7 38 28 | 24°50'27 | 5°03'03 | 16°43'43 | 8°59'59 | 24°08'08 | 4°21'21 | 5°17'17 | 24°11'11 | 9°47'47 | 16°16'16 | 14°17'17 | 13°20'20 | 13°01'01 | 2°58'58 | | |
| F 17 | 7 42 24 | 25°51'33 | 20°30'30 | 18°17'17 | 10°06'06 | 24°45'45 | 4°28'28 | 5°14'14 | 24°10'10 | 9°49'49 | 16°17'17 | 14°06'06 | 13°17'17 | 13°08'08 | 3°03'03 | | |
| S 18 | 7 46 21 | 26°52'39 | 5°19'54 | 19°53'53 | 11°13'13 | 25°22'22 | 4°34'34 | 5°10'10 | 24°09'09 | 9°51'51 | 16°18'18 | 13°57'57 | 13°14'14 | 13°14'14 | 3°09'09 | | |
| S 19 | 7 50 17 | 27°53'45 | 20°38'38 | 21°28'28 | 12°21'21 | 25°59'59 | 4°39'39 | 5°07'07 | 24°08'08 | 9°52'52 | 16°19'19 | 13°50'50 | 13°10'10 | 13°21'21 | 3°14'14 | | |
| M20 | 7 54 14 | 28°54'50 | 4°56'56 | 23°04'04 | 13°28'28 | 26°36'36 | 4°45'45 | 5°04'04 | 24°07'07 | 9°54'54 | 16°20'20 | 13°45'45 | 13°07'07 | 13°28'28 | 3°20'20 | | |
| T 21 | 7 58 10 | 29°55'56 | 18°45'45 | 24°41'41 | 14°36'36 | 27°13'13 | 4°51'51 | 5°00'00 | 24°06'06 | 9°55'55 | 16°21'21 | 13°43'43 | 13°04'04 | 13°34'34 | 3°25'25 | | |
| W22 | 8 02 07 | 0°57'01 | 2°18'18 | 26°18'18 | 15°44'44 | 27°50'50 | 4°56'56 | 4°57'57 | 24°05'05 | 9°57'57 | 16°22'22 | 13°D43 | 13°01'01 | 13°41'41 | 3°30'30 | | |
| T 23 | 8 06 03 | 1°58'07 | 15°08'08 | 27°55'55 | 16°52'52 | 28°27'27 | 5°01'01 | 4°53'53 | 24°04'04 | 9°59'59 | 16°24'24 | 13°R43 | 12°58'58 | 13°48'48 | 3°36'36 | | |
| F 24 | 8 10 00 | 2°59'12 | 27°48'48 | 29°34'34 | 18°00'00 | 29°04'04 | 5°06'06 | 4°49'49 | 24°02'02 | 10°00'00 | 16°25'25 | 13°42'42 | 12°55'55 | 13°55'55 | 3°41'41 | | |
| S 25 | 8 13 57 | 4°01'17 | 10°12'12 | 1°12'12 | 19°09'09 | 29°41'41 | 5°11'11 | 4°46'46 | 24°01'01 | 10°02'02 | 16°26'26 | 13°40'40 | 12°51'51 | 14°01'01 | 3°47'47 | | |
| S 26 | 8 17 53 | 5°01'22 | 22°25'25 | 2°52'52 | 20°17'17 | 0°17'17 | 5°16'16 | 4°42'42 | 24°00'00 | 10°03'03 | 16°27'27 | 13°34'34 | 12°48'48 | 14°08'08 | 3°52'52 | | |
| M27 | 8 21 50 | 6°02'26 | 4°30'30 | 4°31'31 | 21°26'26 | 0°54'54 | 5°20'20 | 4°38'38 | 23°58'58 | 10°05'05 | 16°29'29 | 13°26'26 | 12°45'45 | 14°15'15 | 3°57'57 | | |
| T 28 | 8 25 46 | 7°03'29 | 16°29'29 | 6°12'12 | 22°35'35 | 1°31'31 | 5°25'25 | 4°34'34 | 23°57'57 | 10°06'06 | 16°30'30 | 13°14'14 | 12°42'42 | 14°21'21 | 4°03'03 | | |
| W29 | 8 29 43 | 8°04'32 | 28°25'25 | 7°53'53 | 23°44'44 | 2°08'08 | 5°29'29 | 4°30'30 | 23°55'55 | 10°08'08 | 16°31'31 | 13°00'00 | 12°39'39 | 14°28'28 | 4°08'08 | | |
| T 30 | 8 33 39 | 9°05'35 | 10°18'18 | 9°34'34 | 24°53'53 | 2°44'44 | 5°33'33 | 4°26'26 | 23°54'54 | 10°09'09 | 16°33'33 | 12°45'45 | 12°36'36 | 14°35'35 | 4°14'14 | | |
| F 31 | 8 37 36 | 10°06'36 | 22°10'10 | 11°16'16 | 26°12'12 | 3°14'14 | 5°37'37 | 4°19'19 | 23°52'52 | 10°10'10 | 16°34'34 | 12°30'30 | 12°32'32 | 14°42'42 | 4°19'19 | | |

Delta T = 11m40s

FEBRUARY 2302

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|----------|----------|----------|----------|---------|---------|----------|----------|----------|----------|----------|----------|---------|---|---|
| S 1 | 8 41 32 | 11°07'37 | 4°02'02 | 12°59'59 | 27°12'12 | 3°58'58 | 5°11'11 | 4°R17 | 23°R50 | 10°12'12 | 16°R35 | 12°R16 | 12°R29 | 14°R48 | 4°R24 | | |
| S 2 | 8 45 29 | 12°08'36 | 15°56'56 | 14°43'43 | 28°21'21 | 4°34'34 | 5°44'44 | 4°19'19 | 23°49'49 | 10°13'13 | 16°37'37 | 12°R04 | 12°26'26 | 14°55'55 | 4°30'30 | | |
| M 3 | 8 49 26 | 13°09'35 | 27°54'54 | 16°26'26 | 29°31'31 | 5°11'11 | 5°48'48 | 4°09'09 | 23°47'47 | 10°14'14 | 16°38'38 | 11°55'55 | 12°23'23 | 15°02'02 | 4°35'35 | | |
| T 4 | 8 53 22 | 14°10'33 | 9°58'58 | 18°11'11 | 0°34'34 | 5°48'48 | 5°51'51 | 4°04'04 | 23°45'45 | 10°15'15 | 16°39'39 | 11°49'49 | 12°20'20 | 15°09'09 | 4°41'41 | | |
| W 5 | 8 57 19 | 15°11'29 | 22°14'14 | 19°56'56 | 1°50'50 | 6°24'24 | 5°54'54 | 4°00'00 | 23°43'43 | 10°17'17 | 16°41'41 | 11°45'45 | 12°16'16 | 15°15'15 | 4°46'46 | | |
| T 6 | 9 01 15 | 16°12'24 | 4°43'43 | 21°41'41 | 3°00'00 | 7°01'01 | 5°56'56 | 3°56'56 | 23°41'41 | 10°18'18 | 16°42'42 | 11°44'44 | 12°13'13 | 15°22'22 | 4°51'51 | | |
| F 7 | 9 05 12 | 17°13'18 | 17°32'32 | 23°27'27 | 4°11'11 | 7°37'37 | 5°59'59 | 3°51'51 | 23°39'39 | 10°19'19 | 16°44'44 | 11°44'44 | 12°10'10 | 15°29'29 | 4°57'57 | | |
| S 8 | 9 09 08 | 18°14'11 | 0°11'11 | 25°14'14 | 5°21'21 | 8°14'14 | 6°02'02 | 3°46'46 | 23°37'37 | 10°20'20 | 16°45'45 | 11°44'44 | 12°07'07 | 15°35'35 | 5°02'02 | | |
| S 9 | 9 13 05 | 19°15'02 | 14°24'24 | 27°01'01 | 6°31'31 | 8°50'50 | 6°04'04 | 3°42'42 | 23°35'35 | 10°21'21 | 16°47'47 | 11°42'42 | 12°04'04 | 15°42'42 | 5°07'07 | | |
| M10 | 9 17 01 | 20°15'52 | 28°34'34 | 28°47'47 | 7°41'41 | 9°26'26 | 6°06'06 | 3°37'37 | 23°33'33 | 10°22'22 | 16°48'48 | 11°38'38 | 12°01'01 | 15°49'49 | 5°12'12 | | |
| T 11 | 9 20 58 | 21°16'41 | 13°01'01 | 0°34'34 | 8°52'52 | 10°03'03 | 6°08'08 | 3°33'33 | 23°31'31 | 10°23'23 | 16°49'49 | 11°31'31 | 11°57'57 | 15°56'56 | 5°18'18 | | |
| W12 | 9 24 55 | 22°17'28 | 28°13'13 | 2°21'21 | 10°02'02 | 10°39'39 | 6°10'10 | 3°28'28 | 23°29'29 | 10°24'24 | 16°51'51 | 11°21'21 | 11°54'54 | 16°02'02 | 5°23'23 | | |
| T 13 | 9 28 51 | 23°18'14 | 13°03'03 | 4°08'08 | 11°13'13 | 11°15'15 | 6°11'11 | 3°23'23 | 23°27'27 | 10°25'25 | 16°52'52 | 11°10'10 | 11°51'51 | 16°09'09 | 5°28'28 | | |
| F 14 | 9 32 48 | 24°18'59 | 28°53'53 | 5°55'55 | 12°24'24 | 11°51'51 | 6°12'12 | 3°18'18 | 23°25'25 | 10°26'26 | 16°54'54 | 10°59'59 | 11°48'48 | 16°16'16 | 5°33'33 | | |
| S 15 | 9 36 44 | 25°19'42 | 14°19'19 | 7°40'40 | 13°35'35 | 12°28'28 | 6°14'14 | 3°14'14 | 23°23'23 | 10°27'27 | 16°55'55 | 10°49'49 | 11°45'45 | 16°23'23 | 5°39'39 | | |
| S 16 | 9 40 41 | 26°20'24 | 29°06'06 | 9°25'25 | 14°46'46 | 13°04'04 | 6°15'15 | 3°09'09 | 23°21'21 | 10°28'28 | 16°57'57 | 10°41'41 | 11°41'41 | 16°29'29 | 5°44'44 | | |
| M17 | 9 44 37 | 27°21'05 | 13°03'03 | 11°09'09 | 15°57'57 | 13°40'40 | 6°15'15 | 3°04'04 | 23°18'18 | 10°29'29 | 16°59'59 | 10°36'36 | 11°38'38 | 16°36'36 | 5°49'49 | | |
| T 18 | 9 48 34 | 28°21'45 | 27°40'40 | 12°51'51 | 17°08'08 | 14°16'16 | 6°16'16 | 2°59'59 | 23°16'16 | 10°30'30 | 17°00'00 | 10°33'33 | 11°35'35 | 16°43'43 | 5°54'54 | | |
| W19 | 9 52 30 | 29°22'24 | 11°11'11 | 14°31'31 | 18°19'19 | 14°52'52 | 6°16'16 | 2°54'54 | 23°14'14 | 10°30'30 | 17°02'02 | 10°D33 | 11°32'32 | 16°49'49 | 5°59'59 | | |
| T 20 | 9 56 27 | 0°23'01 | 24°18'18 | 16°08'08 | 19°30'30 | 15°28'28 | 6°16'16 | 2°49'49 | 23°11'11 | 10°31'31 | 17°03'03 | 10°R33 | 11°29'29 | 16°56'56 | 6°04'04 | | |
| F 21 | 10 00 24 | 1°23'38 | 7°00'00 | 17°43'43 | 20°41'41 | 16°04'04 | 6°R17 | 2°45'45 | 23°09'09 | 10°32'32 | 17°05'05 | 10°33'33 | 11°26'26 | 17°03'03 | 6°09'09 | | |
| S 22 | 10 04 20 | 2°24'14 | 19°23'23 | 19°13'13 | 21°53'53 | 16°40'40 | 6°16'16 | 2°40'40 | 23°07'07 | 10°33'33 | 17°06'06 | 10°31'31 | 11°22'22 | 17°10'10 | 6°14'14 | | |
| S 23 | 10 08 17 | 3°24'48 | 1°32'32 | 20°40'40 | 23°04'04 | 17°15'15 | 6°16'16 | 2°35'35 | 23°04'04 | 10°33'33 | 17°08'08 | 10°28'28 | 11°19'19 | 17°16'16 | 6°19'19 | | |
| M24 | 10 12 13 | 4°25'21 | 13°32'32 | 22°02'02 | 24°16'16 | 17°51'51 | 6°15'15 | 2°30'30 | 23°02'02 | 10°34'34 | 17°09'09 | 10°21'21 | 11°16'16 | 17°23'23 | 6°24'24 | | |
| T 25 | 10 16 10 | 5°25'53 | 25°26'26 | 23°18'18 | 25°27'27 | 18°27'27 | 6°15'15 | 2°25'25 | 22°59'59 | 10°34'34 | 17°11'11 | 10°12'12 | 11°13'13 | 17°30'30 | 6°29'29 | | |

SWISS EPHEMERIS for the year 2302

MARCH 2302

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|--------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|------|---|---|
| S 1 | 10 31 56 | 9♁27°46 | 12♁58 | 27♁15 | 0♁14 | 20♁49 | 6°R10 | 2°R 6 | 22°R50 | 10♁36 | 17♁17 | 9°R24 | 11♁ 0 | 17♁57 | 6♁48 | | |
| S 2 | 10 35 53 | 10°28'10 | 24°58 | 27°54 | 1°26 | 21°25 | 6♁ 8 | 2♁ 1 | 22♁47 | 10°37 | 17°19 | 9♁14 | 10°57 | 18° 3 | 6°53 | | |
| M 3 | 10 39 49 | 11°28'32 | 7♁ 5 | 28°23 | 2°38 | 22° 0 | 6° 6 | 1°56 | 22°44 | 10°37 | 17°21 | 9° 7 | 10°54 | 18°10 | 6°58 | | |
| T 4 | 10 43 46 | 12°28'53 | 19°19 | 28°44 | 3°50 | 22°36 | 6° 4 | 1°52 | 22°42 | 10°37 | 17°22 | 9° 2 | 10°51 | 18°17 | 7° 2 | | |
| W 5 | 10 47 42 | 13°29'11 | 1♁42 | 28°55 | 5° 2 | 23°11 | 6° 2 | 1°47 | 22°39 | 10°38 | 17°24 | 9° 0 | 10°47 | 18°24 | 7° 7 | | |
| T 6 | 10 51 39 | 14°29'28 | 14°18 | 28°R56 | 6°14 | 23°46 | 6° 0 | 1°42 | 22°37 | 10°38 | 17°25 | 9°D 0 | 10°44 | 18°30 | 7°12 | | |
| F 7 | 10 55 35 | 15°29'43 | 27°10 | 28°47 | 7°26 | 24°21 | 5°57 | 1°37 | 22°34 | 10°38 | 17°27 | 9° 1 | 10°41 | 18°37 | 7°16 | | |
| S 8 | 10 59 32 | 16°29'56 | 10♁21 | 28°29 | 8°38 | 24°56 | 5°54 | 1°33 | 22°32 | 10°38 | 17°29 | 9°R 2 | 10°38 | 18°44 | 7°21 | | |
| S 9 | 11 3 28 | 17°30'07 | 23°53 | 28° 2 | 9°50 | 25°31 | 5°51 | 1°28 | 22°29 | 10°39 | 17°30 | 9° 2 | 10°35 | 18°50 | 7°25 | | |
| M10 | 11 7 25 | 18°30'16 | 7♁50 | 27°28 | 11° 2 | 26° 6 | 5°48 | 1°24 | 22°26 | 10°39 | 17°32 | 9° 0 | 10°32 | 18°57 | 7°30 | | |
| T 11 | 11 11 22 | 19°30'23 | 22°11 | 26°46 | 12°15 | 26°41 | 5°45 | 1°19 | 22°24 | 10°39 | 17°34 | 8°56 | 10°28 | 19° 4 | 7°34 | | |
| W12 | 11 15 18 | 20°30'27 | 6♁54 | 25°57 | 13°27 | 27°16 | 5°41 | 1°15 | 22°21 | 10°39 | 17°35 | 8°51 | 10°25 | 19°11 | 7°38 | | |
| T 13 | 11 19 15 | 21°30'30 | 21°54 | 25° 4 | 14°39 | 27°51 | 5°38 | 1°10 | 22°18 | 10°39 | 17°37 | 8°44 | 10°22 | 19°17 | 7°43 | | |
| F 14 | 11 23 11 | 22°30'30 | 7♁ 1 | 24° 7 | 15°51 | 28°25 | 5°34 | 1° 6 | 22°16 | 10°R39 | 17°38 | 8°36 | 10°19 | 19°24 | 7°47 | | |
| S 15 | 11 27 8 | 23°30'28 | 22° 7 | 23° 8 | 17° 4 | 29° 0 | 5°30 | 1° 2 | 22°13 | 10°39 | 17°40 | 8°30 | 10°16 | 19°31 | 7°51 | | |
| S 16 | 11 31 4 | 24°30'25 | 7♁ 1 | 22° 8 | 18°16 | 29°34 | 5°26 | 0°57 | 22°11 | 10°39 | 17°42 | 8°24 | 10°13 | 19°37 | 7°55 | | |
| M17 | 11 35 1 | 25°30'20 | 21°35 | 21° 9 | 19°29 | 0♁ 9 | 5°21 | 0°53 | 22° 8 | 10°39 | 17°43 | 8°21 | 10° 9 | 19°44 | 7°59 | | |
| T 18 | 11 38 57 | 26°30'12 | 5♁44 | 20°12 | 20°41 | 0°43 | 5°17 | 0°49 | 22° 5 | 10°39 | 17°45 | 8°D20 | 10° 6 | 19°51 | 8° 3 | | |
| W19 | 11 42 54 | 27°30'04 | 19°25 | 19°17 | 21°54 | 1°18 | 5°12 | 0°45 | 22° 3 | 10°38 | 17°46 | 8°20 | 10° 3 | 19°58 | 8° 7 | | |
| T 20 | 11 46 50 | 28°29'53 | 2♁38 | 18°26 | 23° 6 | 1°52 | 5° 7 | 0°41 | 22° 0 | 10°38 | 17°48 | 8°22 | 10° 0 | 20° 4 | 8°11 | | |
| F 21 | 11 50 47 | 29°29'41 | 15°27 | 17°40 | 24°19 | 2°26 | 5° 2 | 0°37 | 21°58 | 10°38 | 17°50 | 8°23 | 9°57 | 20°11 | 8°15 | | |
| S 22 | 11 54 44 | 0♁29°28 | 27°55 | 16°59 | 25°31 | 3° 0 | 4°57 | 0°33 | 21°55 | 10°38 | 17°51 | 8°R24 | 9°53 | 20°18 | 8°19 | | |
| S 23 | 11 58 40 | 1°29'12 | 10♁ 7 | 16°24 | 26°44 | 3°34 | 4°52 | 0°29 | 21°52 | 10°38 | 17°53 | 8°24 | 9°50 | 20°25 | 8°23 | | |
| M24 | 12 2 37 | 2°28'55 | 22° 8 | 15°55 | 27°56 | 4° 8 | 4°47 | 0°26 | 21°50 | 10°37 | 17°54 | 8°22 | 9°47 | 20°31 | 8°27 | | |
| T 25 | 12 6 33 | 3°28'36 | 4♁ 2 | 15°32 | 29° 9 | 4°42 | 4°41 | 0°22 | 21°47 | 10°37 | 17°56 | 8°18 | 9°44 | 20°38 | 8°30 | | |
| W26 | 12 10 30 | 4°28'16 | 15°52 | 15°16 | 0♁22 | 5°15 | 4°35 | 0°18 | 21°45 | 10°36 | 17°57 | 8°13 | 9°41 | 20°45 | 8°34 | | |
| T 27 | 12 14 26 | 5°27'53 | 27°44 | 15° 5 | 1°35 | 5°49 | 4°30 | 0°15 | 21°42 | 10°36 | 17°59 | 8° 7 | 9°38 | 20°51 | 8°37 | | |
| F 28 | 12 18 23 | 6°27'29 | 9♁40 | 15°D 1 | 2°47 | 6°22 | 4°24 | 0°11 | 21°40 | 10°36 | 18° 1 | 8° 1 | 9°34 | 20°58 | 8°41 | | |
| S 29 | 12 22 19 | 7°27'03 | 21°42 | 15° 3 | 4° 0 | 6°56 | 4°18 | 0° 8 | 21°37 | 10°35 | 18° 2 | 7°56 | 9°31 | 21° 5 | 8°44 | | |
| S 30 | 12 26 16 | 8°26'35 | 3♁52 | 15°10 | 5°13 | 7°29 | 4°11 | 0° 5 | 21°35 | 10°35 | 18° 4 | 7°51 | 9°28 | 21°12 | 8°48 | | |
| M31 | 12 30 13 | 9♁26°04 | 16♁10 | 15♁23 | 6♁26 | 8♁ 2 | 4♁ 5 | 0♁ 1 | 21♁32 | 10♁34 | 18♁ 5 | 7♁48 | 9♁25 | 21♁18 | 8♁51 | | |

Delta T = 11m40s

APRIL 2302

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|------|-------|-------|---|---|
| T 1 | 12 34 9 | 10♁25°32 | 28♁40 | 15♁41 | 7♁38 | 8♁35 | 3°R59 | 29°R58 | 21°R30 | 10°R33 | 18♁ 7 | 7°R46 | 9♁22 | 21♁25 | 8♁54 | | |
| W 2 | 12 38 6 | 11°24'58 | 11♁20 | 16° 4 | 8°51 | 9° 8 | 3♁52 | 29♁55 | 21♁27 | 10°R33 | 18° 8 | 7°D46 | 9°18 | 21°32 | 8°58 | | |
| T 3 | 12 42 2 | 12°24'22 | 24°12 | 16°32 | 10° 4 | 9°41 | 3°46 | 29°52 | 21°25 | 10°32 | 18°10 | 7♁47 | 9°15 | 21°38 | 9° 1 | | |
| F 4 | 12 45 59 | 13°23'43 | 7♁19 | 17° 4 | 11°17 | 10°14 | 3°39 | 29°50 | 21°23 | 10°31 | 18°11 | 7°48 | 9°12 | 21°45 | 9° 4 | | |
| S 5 | 12 49 55 | 14°23'02 | 20°40 | 17°40 | 12°30 | 10°46 | 3°32 | 29°47 | 21°20 | 10°31 | 18°13 | 7°50 | 9° 9 | 21°52 | 9° 7 | | |
| S 6 | 12 53 52 | 15°22'19 | 4♁16 | 18°20 | 13°43 | 11°19 | 3°25 | 29°44 | 21°18 | 10°30 | 18°14 | 7°51 | 9° 6 | 21°59 | 9°10 | | |
| M 7 | 12 57 48 | 16°21'34 | 18°10 | 19° 4 | 14°56 | 11°51 | 3°18 | 29°42 | 21°16 | 10°29 | 18°16 | 7°R51 | 9° 3 | 22° 5 | 9°13 | | |
| T 8 | 13 1 45 | 17°20'46 | 2♁20 | 19°52 | 16° 8 | 12°23 | 3°11 | 29°39 | 21°13 | 10°29 | 18°17 | 7°51 | 8°59 | 22°12 | 9°16 | | |
| W 9 | 13 5 42 | 18°19'56 | 16°44 | 20°42 | 17°21 | 12°55 | 3° 4 | 29°37 | 21°11 | 10°28 | 18°18 | 7°49 | 8°56 | 22°19 | 9°19 | | |
| T 10 | 13 9 38 | 19°19'03 | 1♁19 | 21°36 | 18°34 | 13°27 | 2°57 | 29°34 | 21° 9 | 10°27 | 18°20 | 7°47 | 8°53 | 22°25 | 9°21 | | |
| F 11 | 13 13 35 | 20°18'09 | 16° 0 | 22°33 | 19°47 | 13°59 | 2°49 | 29°32 | 21° 7 | 10°26 | 18°21 | 7°45 | 8°50 | 22°32 | 9°24 | | |
| S 12 | 13 17 31 | 21°17'11 | 0♁41 | 23°33 | 21° 0 | 14°31 | 2°42 | 29°30 | 21° 4 | 10°25 | 18°23 | 7°42 | 8°47 | 22°39 | 9°27 | | |
| S 13 | 13 21 28 | 22°16'12 | 15°15 | 24°36 | 22°13 | 15° 2 | 2°35 | 29°28 | 21° 2 | 10°24 | 18°24 | 7°41 | 8°44 | 22°46 | 9°29 | | |
| M14 | 13 25 24 | 23°15'11 | 29°34 | 25°41 | 23°26 | 15°34 | 2°27 | 29°26 | 21° 0 | 10°23 | 18°25 | 7°40 | 8°40 | 22°52 | 9°31 | | |
| T 15 | 13 29 21 | 24°14'08 | 13♁35 | 26°48 | 24°39 | 16° 5 | 2°20 | 29°24 | 20°58 | 10°22 | 18°27 | 7°D40 | 8°37 | 22°59 | 9°34 | | |
| W16 | 13 33 17 | 25°13'03 | 27°14 | 27°58 | 25°52 | 16°36 | 2°12 | 29°23 | 20°56 | 10°21 | 18°28 | 7°41 | 8°34 | 23° 6 | 9°36 | | |
| T 17 | 13 37 14 | 26°11'56 | 10♁30 | 29°11 | 27° 5 | 17° 7 | 2° 4 | 29°21 | 20°54 | 10°20 | 18°29 | 7°42 | 8°31 | 23°13 | 9°38 | | |
| F 18 | 13 41 11 | 27°10'47 | 23°23 | 0♁25 | 28°18 | 17°38 | 1°57 | 29°20 | 20°52 | 10°19 | 18°31 | 7°43 | 8°28 | 23°19 | 9°41 | | |
| S 19 | 13 45 7 | 28° 9'37 | 5♁56 | 1°41 | 29°31 | 18° 8 | 1°49 | 29°18 | 20°50 | 10°18 | 18°32 | 7°43 | 8°24 | 23°26 | 9°43 | | |
| S 20 | 13 49 4 | 29° 8'25 | 18°12 | 3° 0 | 0♁44 | 18°39 | 1°41 | 29°17 | 20°48 | 10°17 | 18°33 | 7°44 | 8°21 | 23°33 | 9°45 | | |
| M21 | 13 53 0 | 0♁ 7'11 | 0♁16 | 4°21 | 1°57 | 19° 9 | 1°34 | 29°16 | 20°46 | 10°16 | 18°35 | 7°R44 | 8°18 | 23°39 | 9°47 | | |
| T 22 | 13 56 57 | 1° 5'56 | 12°11 | 5°43 | 3°10 | 19°39 | 1°26 | 29°15 | 20°45 | 10°15 | 18°36 | 7°44 | 8°15 | 23°46 | 9°49 | | |
| W23 | 14 0 53 | 2° 4'39 | 24° 3 | 7° 8 | 4°23 | 20° 9 | 1°18 | 29°14 | 20°43 | 10°14 | 18°37 | 7°44 | 8°12 | 23°53 | 9°51 | | |
| T 24 | 14 4 50 | 3° 3'20 | 5♁57 | 8°34 | 5°36 | 20°39 | 1°11 | 29°13 | 20°41 | 10°12 | 18°38 | 7°43 | 8° 9 | 24° 0 | 9°52 | | |
| F 25 | 14 8 46 | 4° 1'59 | 17°55 | 10° 2 | 6°49 | 21° 9 | 1° 3 | 29°12 | 20°39 | 10°11 | 18°40 | 7°43 | 8° 5 | 24° 6 | 9°54 | | |
| S 26 | 14 12 43 | 5° 0'36 | 0♁ 2 | 11°32 | 8° 3 | 21°38 | 0°55 | 29°11 | 20°38 | 10°10 | 18°41 | 7°42 | 8° 2 | 24°13 | 9°56 | | |
| S 27 | 14 16 40 | 5°59'12 | 12°20 | 13° 3 | 9°16 | 22° 7 | 0°48 | 29°11 | 20°36 | 10° 9 | 18°42 | 7°42 | 7°59 | 24°20 | 9°57 | | |
| M28 | 14 20 36 | 6°57'46 | 24°52 | 14°37 | 10°29 | 22°36 | 0°40 | 29°10 | 20°35 | 10° 7 | 18°43 | 7°42 | 7°56 | 24°26 | 9°59 | | |
| T 29 | 14 24 33 | 7°56'18 | 7♁38 | 16°12 | 11°42 | 23° 5 | 0°33 | 29°10 | 20°33 | 10° 6 | 18°44 | 7°42 | 7°53 | 24°33 | 10° 0 | | |
| W30 | 14 28 29 | 8♁54°49 | 20♁40 | 17♁49 | 12♁55 | 23♁33 | 0♁25 | 29♁10 | 20♁32 | 10♁ 5 | 18♁45 | 7♁42 | 7♁50 | 24♁40 | 10♁ 1 | | |

Delta T = 11m40s

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SWISS EPHEMERIS for the year 2302

MAY 2302

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|------|-------|--------|---|---|
| T 1 | 14 32 26 | 9♄53'17 | 3♂56 | 19♃28 | 14♃ 8 | 24♂ 1 | 0°R17 | 29°R10 | 20°R30 | 10°R 3 | 18♃47 | 7°R42 | 7♄46 | 24♃47 | 10♃ 3 | | |
| F 2 | 14 36 22 | 10°51'44 | 17°26 | 21° 8 | 15°21 | 24°29 | 0♂10 | 29°D10 | 20♂29 | 10♃ 2 | 18°48 | 7♄41 | 7°43 | 24°53 | 10° 4 | | |
| S 3 | 14 40 19 | 11°50'08 | 1♂ 8 | 22°50 | 16°34 | 24°57 | 0° 3 | 29°L10 | 20°27 | 10° 1 | 18°49 | 7°41 | 7°40 | 25° 0 | 10° 5 | | |
| S 4 | 14 44 15 | 12°48'31 | 15° 2 | 24°34 | 17°47 | 25°25 | 29♄55 | 29°10 | 20°26 | 9°59 | 18°50 | 7°40 | 7°37 | 25° 7 | 10° 6 | | |
| M 5 | 14 48 12 | 13°46'51 | 29° 4 | 26°20 | 19° 1 | 25°52 | 29°48 | 29°10 | 20°25 | 9°58 | 18°51 | 7°40 | 7°34 | 25°13 | 10° 7 | | |
| T 6 | 14 52 9 | 14°45'10 | 13♂13 | 28° 7 | 20°14 | 26°19 | 29°41 | 29°11 | 20°24 | 9°56 | 18°52 | 7°D40 | 7°30 | 25°20 | 10° 8 | | |
| W 7 | 14 56 5 | 15°43'26 | 27°27 | 29°56 | 21°27 | 26°46 | 29°33 | 29°11 | 20°23 | 9°55 | 18°53 | 7°40 | 7°27 | 25°27 | 10° 8 | | |
| T 8 | 15 0 2 | 16°41'40 | 11♂44 | 1♄47 | 22°40 | 27°12 | 29°26 | 29°12 | 20°21 | 9°54 | 18°54 | 7°40 | 7°24 | 25°34 | 10° 9 | | |
| F 9 | 15 3 58 | 17°39'52 | 26° 0 | 3°40 | 23°53 | 27°39 | 29°19 | 29°13 | 20°20 | 9°52 | 18°55 | 7°41 | 7°21 | 25°40 | 10°10 | | |
| S 10 | 15 7 55 | 18°38'02 | 10♄12 | 5°34 | 25° 6 | 28° 5 | 29°12 | 29°14 | 20°19 | 9°51 | 18°56 | 7°42 | 7°18 | 25°47 | 10°10 | | |
| S 11 | 15 11 51 | 19°36'10 | 24°17 | 7°31 | 26°19 | 28°30 | 29° 6 | 29°15 | 20°18 | 9°49 | 18°57 | 7°43 | 7°15 | 25°54 | 10°11 | | |
| M12 | 15 15 48 | 20°34'16 | 8♂12 | 9°29 | 27°33 | 28°56 | 28°59 | 29°16 | 20°18 | 9°48 | 18°58 | 7°R43 | 7°11 | 26° 0 | 10°11 | | |
| T 13 | 15 19 44 | 21°32'21 | 21°53 | 11°28 | 28°46 | 29°21 | 28°52 | 29°17 | 20°17 | 9°46 | 18°58 | 7°43 | 7° 8 | 26° 7 | 10°12 | | |
| W14 | 15 23 41 | 22°30'24 | 5♃18 | 13°30 | 29°59 | 29°46 | 28°46 | 29°18 | 20°16 | 9°45 | 18°59 | 7°42 | 7° 5 | 26°14 | 10°12 | | |
| T 15 | 15 27 38 | 23°28'26 | 18°26 | 15°33 | 1♄12 | 0♃10 | 28°39 | 29°19 | 20°15 | 9°43 | 19° 0 | 7°40 | 7° 2 | 26°21 | 10°12 | | |
| F 16 | 15 31 34 | 24°26'26 | 1♂15 | 17°37 | 2°25 | 0°34 | 28°33 | 29°21 | 20°14 | 9°42 | 19° 1 | 7°37 | 6°59 | 26°27 | 10°12 | | |
| S 17 | 15 35 31 | 25°24'25 | 13°47 | 19°43 | 3°38 | 0°58 | 28°27 | 29°22 | 20°14 | 9°40 | 19° 2 | 7°35 | 6°56 | 26°34 | 10°R12 | | |
| S 18 | 15 39 27 | 26°22'22 | 26° 4 | 21°51 | 4°51 | 1°22 | 28°21 | 29°24 | 20°13 | 9°38 | 19° 3 | 7°33 | 6°52 | 26°41 | 10°12 | | |
| M19 | 15 43 24 | 27°20'18 | 8♃ 9 | 23°59 | 6° 5 | 1°45 | 28°15 | 29°26 | 20°13 | 9°37 | 19° 3 | 7°31 | 6°49 | 26°47 | 10°12 | | |
| T 20 | 15 47 20 | 28°18'12 | 20° 6 | 26° 9 | 7°18 | 2° 8 | 28° 9 | 29°28 | 20°12 | 9°35 | 19° 4 | 7°29 | 6°46 | 26°54 | 10°12 | | |
| W21 | 15 51 17 | 29°16'06 | 1♃59 | 28°19 | 8°31 | 2°30 | 28° 3 | 29°30 | 20°12 | 9°34 | 19° 5 | 7°D29 | 6°43 | 27° 1 | 10°12 | | |
| T 22 | 15 55 13 | 0♂13'58 | 13°53 | 0♂30 | 9°44 | 2°52 | 27°57 | 29°32 | 20°11 | 9°32 | 19° 5 | 7°30 | 6°40 | 27° 8 | 10°11 | | |
| F 23 | 15 59 10 | 1°11'49 | 25°52 | 2°41 | 10°57 | 3°14 | 27°52 | 29°34 | 20°11 | 9°31 | 19° 6 | 7°31 | 6°36 | 27°14 | 10°11 | | |
| S 24 | 16 3 7 | 2° 9'38 | 8♃ 1 | 4°52 | 12°11 | 3°35 | 27°47 | 29°36 | 20°11 | 9°29 | 19° 7 | 7°33 | 6°33 | 27°21 | 10°11 | | |
| S 25 | 16 7 3 | 3° 7'27 | 20°25 | 7° 4 | 13°24 | 3°56 | 27°41 | 29°39 | 20°10 | 9°27 | 19° 7 | 7°34 | 6°30 | 27°28 | 10°10 | | |
| M26 | 16 11 0 | 4° 5'14 | 3♄ 6 | 9°14 | 14°37 | 4°17 | 27°36 | 29°41 | 20°10 | 9°26 | 19° 8 | 7°R35 | 6°27 | 27°34 | 10° 9 | | |
| T 27 | 16 14 56 | 5° 3'00 | 16° 7 | 11°24 | 15°50 | 4°37 | 27°31 | 29°44 | 20°10 | 9°24 | 19° 9 | 7°35 | 6°24 | 27°41 | 10° 9 | | |
| W28 | 16 18 53 | 6° 0'45 | 29°28 | 13°33 | 17° 4 | 4°56 | 27°27 | 29°47 | 20°10 | 9°22 | 19° 9 | 7°33 | 6°21 | 27°48 | 10° 8 | | |
| T 29 | 16 22 49 | 6°58'29 | 13♂ 8 | 15°41 | 18°17 | 5°15 | 27°22 | 29°49 | 20°D10 | 9°21 | 19°10 | 7°31 | 6°17 | 27°55 | 10° 7 | | |
| F 30 | 16 26 46 | 7°56'11 | 27° 5 | 17°47 | 19°30 | 5°34 | 27°18 | 29°52 | 20°10 | 9°19 | 19°10 | 7°27 | 6°14 | 28° 1 | 10° 6 | | |
| S 31 | 16 30 42 | 8♂53'52 | 11♄15 | 19♂52 | 20♄43 | 5♃52 | 27♄13 | 29♂55 | 20♂10 | 9♃18 | 19♃11 | 7♄22 | 6♄11 | 28♃ 8 | 10♃ 5 | | |

Delta T = 11m41s

JUNE 2302

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|--------|--------|-------|-------|-------|--------|-------|------|-------|--------|---|---|
| S 1 | 16 34 39 | 9♂51'32 | 25♄33 | 21♂54 | 21♄57 | 6♃10 | 27°R 9 | 29♂58 | 20♂10 | 9°R16 | 19♃11 | 7°R17 | 6♄ 8 | 28♃15 | 10°R 4 | | |
| M 2 | 16 38 36 | 10°49'10 | 9♂55 | 23°54 | 23°10 | 6°27 | 27♄ 5 | 0♂ 1 | 20°11 | 9♃14 | 19°12 | 7♄14 | 6° 5 | 28°21 | 10♃ 3 | | |
| T 3 | 16 42 32 | 11°46'47 | 24°15 | 25°52 | 24°23 | 6°44 | 27° 2 | 0° 5 | 20°11 | 9°13 | 19°12 | 7°11 | 6° 2 | 28°28 | 10° 2 | | |
| W 4 | 16 46 29 | 12°44'22 | 8♂31 | 27°48 | 25°36 | 7° 0 | 26°58 | 0° 8 | 20°11 | 9°11 | 19°12 | 7°D10 | 5°58 | 28°35 | 10° 1 | | |
| T 5 | 16 50 25 | 13°41'56 | 22°39 | 29°41 | 26°50 | 7°16 | 26°54 | 0°11 | 20°11 | 9°10 | 19°13 | 7°10 | 5°55 | 28°42 | 9°59 | | |
| F 6 | 16 54 22 | 14°39'28 | 6♄39 | 1♄32 | 28° 3 | 7°31 | 26°51 | 0°15 | 20°12 | 9° 8 | 19°13 | 7°11 | 5°52 | 28°48 | 9°58 | | |
| S 7 | 16 58 18 | 15°36'59 | 20°29 | 3°20 | 29°16 | 7°46 | 26°48 | 0°19 | 20°12 | 9° 6 | 19°13 | 7°13 | 5°49 | 28°55 | 9°56 | | |
| S 8 | 17 2 15 | 16°34'29 | 4♂ 8 | 5° 5 | 0♂29 | 8° 0 | 26°45 | 0°22 | 20°13 | 9° 5 | 19°14 | 7°R13 | 5°46 | 29° 2 | 9°55 | | |
| M 9 | 17 6 11 | 17°31'57 | 17°37 | 6°47 | 1°43 | 8°14 | 26°42 | 0°26 | 20°13 | 9° 3 | 19°14 | 7°13 | 5°42 | 29° 8 | 9°53 | | |
| T 10 | 17 10 8 | 18°29'25 | 0♄54 | 8°27 | 2°56 | 8°27 | 26°40 | 0°30 | 20°14 | 9° 1 | 19°14 | 7°11 | 5°39 | 29°15 | 9°52 | | |
| W11 | 17 14 5 | 19°26'51 | 13°58 | 10° 4 | 4° 9 | 8°39 | 26°37 | 0°34 | 20°15 | 9° 0 | 19°15 | 7° 7 | 5°36 | 29°22 | 9°50 | | |
| T 12 | 17 18 1 | 20°24'16 | 26°50 | 11°38 | 5°22 | 8°51 | 26°35 | 0°38 | 20°15 | 8°58 | 19°15 | 7° 0 | 5°33 | 29°29 | 9°48 | | |
| F 13 | 17 21 58 | 21°21'41 | 9♄28 | 13° 9 | 6°36 | 9° 2 | 26°33 | 0°42 | 20°16 | 8°57 | 19°15 | 6°53 | 5°30 | 29°35 | 9°46 | | |
| S 14 | 17 25 54 | 22°19'05 | 21°53 | 14°38 | 7°49 | 9°13 | 26°31 | 0°46 | 20°17 | 8°55 | 19°15 | 6°45 | 5°27 | 29°42 | 9°44 | | |
| S 15 | 17 29 51 | 23°16'28 | 4♃ 6 | 16° 3 | 9° 2 | 9°23 | 26°29 | 0°51 | 20°18 | 8°54 | 19°15 | 6°37 | 5°23 | 29°49 | 9°42 | | |
| M16 | 17 33 47 | 24°13'50 | 16° 9 | 17°26 | 10°16 | 9°32 | 26°28 | 0°55 | 20°19 | 8°52 | 19°15 | 6°30 | 5°20 | 29°55 | 9°40 | | |
| T 17 | 17 37 44 | 25°11'12 | 28° 4 | 18°45 | 11°29 | 9°41 | 26°26 | 0°59 | 20°20 | 8°50 | 19°15 | 6°25 | 5°17 | 0♃ 2 | 9°38 | | |
| W18 | 17 41 41 | 26° 8'33 | 9♃56 | 20° 2 | 12°42 | 9°49 | 26°25 | 1° 4 | 20°21 | 8°49 | 19°15 | 6°21 | 5°14 | 0° 9 | 9°36 | | |
| T 19 | 17 45 37 | 27° 5'54 | 21°49 | 21°15 | 13°56 | 9°56 | 26°24 | 1° 9 | 20°22 | 8°47 | 19°15 | 6°20 | 5°11 | 0°16 | 9°34 | | |
| F 20 | 17 49 34 | 28° 3'14 | 3♃47 | 22°25 | 15° 9 | 10° 3 | 26°23 | 1°13 | 20°23 | 8°46 | 19°R15 | 6°D20 | 5° 8 | 0°22 | 9°32 | | |
| S 21 | 17 53 30 | 29° 0'34 | 15°56 | 23°32 | 16°22 | 10° 9 | 26°23 | 1°18 | 20°24 | 8°44 | 19°15 | 6°21 | 5° 4 | 0°29 | 9°29 | | |
| S 22 | 17 57 27 | 29°57'53 | 28°20 | 24°36 | 17°36 | 10°14 | 26°22 | 1°23 | 20°26 | 8°43 | 19°15 | 6°22 | 5° 1 | 0°36 | 9°27 | | |
| M23 | 18 1 23 | 0♄55'12 | 11♄ 5 | 25°37 | 18°49 | 10°18 | 26°22 | 1°28 | 20°27 | 8°41 | 19°15 | 6°R22 | 4°58 | 0°42 | 9°24 | | |
| T 24 | 18 5 20 | 1°52'31 | 24°13 | 26°34 | 20° 3 | 10°22 | 26°D22 | 1°33 | 20°28 | 8°40 | 19°15 | 6°20 | 4°55 | 0°49 | 9°22 | | |
| W25 | 18 9 16 | 2°49'50 | 7♂46 | 27°28 | 21°16 | 10°25 | 26°22 | 1°38 | 20°30 | 8°38 | 19°15 | 6°17 | 4°52 | 0°56 | 9°19 | | |
| T 26 | 18 13 13 | 3°47'08 | 21°44 | 28°18 | 22°30 | 10°27 | 26°22 | 1°43 | 20°31 | 8°37 | 19°15 | 6°11 | 4°48 | 1° 3 | 9°17 | | |
| F 27 | 18 17 10 | 4°44'26 | 6♄ 4 | 29° 4 | 23°43 | 10°29 | 26°23 | 1°48 | 20°33 | 8°36 | 19°15 | 6° 3 | 4°45 | 1° 9 | 9°14 | | |
| S 28 | 18 21 6 | 5°41'43 | 20°40 | 29°47 | 24°57 | 10°R30 | 26°23 | 1°53 | 20°34 | 8°34 | 19°15 | 5°54 | 4°42 | 1°16 | 9°11 | | |
| S 29 | 18 25 3 | 6°39'00 | 5♂25 | 0♂26 | 26°10 | 10°30 | 26°24 | 1°59 | 20°36 | 8°33 | 19°15 | 5°45 | 4°39 | 1°23 | 9° 9 | | |
| M30 | 18 28 59 | 7♄36'16 | 20♂11 | 1♂ 0 | 27♂23 | 10♃29 | 26♄25 | 2♂ 4 | 20♂37 | 8♃31 | 19♃14 | 5♄37 | 4♄36 | 1♃29 | 9♃ 6 | | |

Delta T = 11m41s

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SWISS EPHEMERIS for the year 2302

JULY 2302

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|--------|-------|------|-------|-------|--------|-------|------|------|-------|---|---|
| T 1 | 18 32 56 | 8♄33'32 | 4♏51 | 1♁31 | 28♂37 | 10°R27 | 26♂26 | 2♏10 | 20♏39 | 8°R30 | 19°R14 | 5°R31 | 4♄33 | 1♃36 | 9°R 3 | | |
| W 2 | 18 36 52 | 9°30'47 | 19°18 | 1°57 | 29°50 | 10♁25 | 26°28 | 2°15 | 20°41 | 8♁29 | 19♃14 | 5♄27 | 4°29 | 1°43 | 9♁ 0 | | |
| T 3 | 18 40 49 | 10°28'01 | 3♂29 | 2°19 | 1♄ 4 | 10°22 | 26°29 | 2°21 | 20°43 | 8°27 | 19°14 | 5°25 | 4°26 | 1°49 | 8°57 | | |
| F 4 | 18 44 45 | 11°25'15 | 17°24 | 2°37 | 2°17 | 10°18 | 26°31 | 2°27 | 20°44 | 8°26 | 19°13 | 5°D25 | 4°23 | 1°56 | 8°54 | | |
| S 5 | 18 48 42 | 12°22'28 | 1♏ 1 | 2°50 | 3°31 | 10°14 | 26°33 | 2°32 | 20°46 | 8°25 | 19°13 | 5°R26 | 4°20 | 2° 3 | 8°51 | | |
| S 6 | 18 52 39 | 13°19'41 | 14°24 | 2°58 | 4°45 | 10° 8 | 26°35 | 2°38 | 20°48 | 8°24 | 19°13 | 5°26 | 4°17 | 2°10 | 8°48 | | |
| M 7 | 18 56 35 | 14°16'53 | 27°32 | 3°R 2 | 5°58 | 10° 2 | 26°37 | 2°44 | 20°50 | 8°22 | 19°12 | 5°24 | 4°14 | 2°16 | 8°45 | | |
| T 8 | 19 0 32 | 15°14'05 | 10♁28 | 3° 1 | 7°12 | 9°56 | 26°39 | 2°50 | 20°52 | 8°21 | 19°12 | 5°19 | 4°10 | 2°23 | 8°42 | | |
| W 9 | 19 4 28 | 16°11'17 | 23°12 | 2°55 | 8°25 | 9°48 | 26°42 | 2°56 | 20°54 | 8°20 | 19°11 | 5°12 | 4° 7 | 2°30 | 8°39 | | |
| T 10 | 19 8 25 | 17° 8'29 | 5♄46 | 2°45 | 9°39 | 9°40 | 26°45 | 3° 2 | 20°56 | 8°19 | 19°11 | 5° 2 | 4° 4 | 2°36 | 8°36 | | |
| F 11 | 19 12 21 | 18° 5'41 | 18°10 | 2°31 | 10°52 | 9°32 | 26°47 | 3° 8 | 20°59 | 8°18 | 19°10 | 4°51 | 4° 1 | 2°43 | 8°33 | | |
| S 12 | 19 16 18 | 19° 2'52 | 0♁25 | 2°12 | 12° 6 | 9°22 | 26°50 | 3°14 | 21° 1 | 8°16 | 19°10 | 4°38 | 3°58 | 2°50 | 8°29 | | |
| S 13 | 19 20 14 | 20° 0'04 | 12°31 | 1°49 | 13°20 | 9°12 | 26°54 | 3°20 | 21° 3 | 8°15 | 19° 9 | 4°26 | 3°54 | 2°57 | 8°26 | | |
| M 14 | 19 24 11 | 20°57'16 | 24°29 | 1°23 | 14°33 | 9° 1 | 26°57 | 3°27 | 21° 5 | 8°14 | 19° 9 | 4°14 | 3°51 | 3° 3 | 8°23 | | |
| T 15 | 19 28 8 | 21°54'28 | 6♃21 | 0°53 | 15°47 | 8°50 | 27° 1 | 3°33 | 21° 8 | 8°13 | 19° 8 | 4° 5 | 3°48 | 3°10 | 8°19 | | |
| W 16 | 19 32 4 | 22°51'40 | 18°11 | 0°20 | 17° 1 | 8°38 | 27° 4 | 3°39 | 21°10 | 8°12 | 19° 8 | 3°58 | 3°45 | 3°17 | 8°16 | | |
| T 17 | 19 36 1 | 23°48'53 | 0♁ 3 | 29♄44 | 18°14 | 8°25 | 27° 8 | 3°46 | 21°12 | 8°11 | 19° 7 | 3°53 | 3°42 | 3°23 | 8°13 | | |
| F 18 | 19 39 57 | 24°46'06 | 11°59 | 29° 7 | 19°28 | 8°12 | 27°12 | 3°52 | 21°15 | 8°10 | 19° 7 | 3°51 | 3°39 | 3°30 | 8° 9 | | |
| S 19 | 19 43 54 | 25°43'19 | 24° 6 | 28°28 | 20°42 | 7°59 | 27°16 | 3°59 | 21°17 | 8° 9 | 19° 6 | 3°D51 | 3°35 | 3°37 | 8° 6 | | |
| S 20 | 19 47 50 | 26°40'34 | 6♄28 | 27°49 | 21°55 | 7°45 | 27°21 | 4° 5 | 21°20 | 8° 8 | 19° 5 | 3°R51 | 3°32 | 3°43 | 8° 2 | | |
| M 21 | 19 51 47 | 27°37'48 | 19°11 | 27° 9 | 23° 9 | 7°30 | 27°25 | 4°12 | 21°22 | 8° 7 | 19° 5 | 3°50 | 3°29 | 3°50 | 7°59 | | |
| T 22 | 19 55 43 | 28°35'04 | 2♂19 | 26°31 | 24°23 | 7°15 | 27°30 | 4°18 | 21°25 | 8° 6 | 19° 4 | 3°48 | 3°26 | 3°57 | 7°56 | | |
| W 23 | 19 59 40 | 29°32'20 | 15°55 | 25°54 | 25°37 | 7° 0 | 27°35 | 4°25 | 21°28 | 8° 5 | 19° 3 | 3°43 | 3°23 | 4° 4 | 7°52 | | |
| T 24 | 20 3 37 | 0♁29'36 | 0♄ 0 | 25°18 | 26°51 | 6°44 | 27°40 | 4°32 | 21°30 | 8° 5 | 19° 2 | 3°36 | 3°20 | 4°10 | 7°49 | | |
| F 25 | 20 7 33 | 1°26'54 | 14°32 | 24°46 | 28° 4 | 6°28 | 27°45 | 4°39 | 21°33 | 8° 4 | 19° 2 | 3°27 | 3°16 | 4°17 | 7°45 | | |
| S 26 | 20 11 30 | 2°24'11 | 29°24 | 24°16 | 29°18 | 6°12 | 27°50 | 4°45 | 21°36 | 8° 3 | 19° 1 | 3°16 | 3°13 | 4°24 | 7°42 | | |
| S 27 | 20 15 26 | 3°21'30 | 14♁29 | 23°51 | 0♁32 | 5°56 | 27°56 | 4°52 | 21°39 | 8° 2 | 19° 0 | 3° 5 | 3°10 | 4°30 | 7°38 | | |
| M 28 | 20 19 23 | 4°18'48 | 19°27 | 23°30 | 1°46 | 5°39 | 28° 1 | 4°59 | 21°41 | 8° 2 | 18°59 | 2°55 | 3° 7 | 4°37 | 7°35 | | |
| T 29 | 20 23 19 | 5°16'07 | 14♏36 | 23°13 | 3° 0 | 5°23 | 28° 7 | 5° 6 | 21°44 | 8° 1 | 18°58 | 2°47 | 3° 4 | 4°44 | 7°31 | | |
| W 30 | 20 27 16 | 6°13'26 | 29°20 | 23° 2 | 4°14 | 5° 6 | 28°13 | 5°13 | 21°47 | 8° 0 | 18°58 | 2°42 | 3° 0 | 4°51 | 7°27 | | |
| T 31 | 20 31 13 | 7♁10'46 | 13♄42 | 22♄56 | 5♁28 | 4♁49 | 28♂19 | 5♏20 | 21♏50 | 7♁59 | 18♃57 | 2♄40 | 2♄57 | 4♃57 | 7♁24 | | |

Delta T = 11m41s

AUGUST 2302

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|--------|-------|--------|-------|------|-------|-------|--------|-------|------|------|-------|---|---|
| F 1 | 20 35 9 | 8♁ 8'06 | 27♂42 | 22°D56 | 6♁42 | 4°R32 | 28♂25 | 5♏27 | 21♏53 | 7°R59 | 18°R56 | 2°R39 | 2♄54 | 5♃ 4 | 7°R20 | | |
| S 2 | 20 39 6 | 9° 5'26 | 11♏18 | 23♄ 2 | 7°56 | 4♁16 | 28°31 | 5°34 | 21°56 | 7♁58 | 18♃55 | 2♄39 | 2°51 | 5°11 | 7♁17 | | |
| S 3 | 20 43 2 | 10° 2'47 | 24°34 | 23°14 | 9° 9 | 3°59 | 28°38 | 5°41 | 21°59 | 7°58 | 18°54 | 2°38 | 2°48 | 5°17 | 7°13 | | |
| M 4 | 20 46 59 | 11° 0'08 | 7♁31 | 23°32 | 10°23 | 3°43 | 28°44 | 5°48 | 22° 2 | 7°57 | 18°53 | 2°36 | 2°45 | 5°24 | 7°10 | | |
| T 5 | 20 50 55 | 11°57'30 | 20°14 | 23°56 | 11°37 | 3°27 | 28°51 | 5°56 | 22° 5 | 7°57 | 18°52 | 2°32 | 2°41 | 5°31 | 7° 6 | | |
| W 6 | 20 54 52 | 12°54'52 | 2♄43 | 24°26 | 12°51 | 3°11 | 28°58 | 6° 3 | 22° 8 | 7°56 | 18°51 | 2°24 | 2°38 | 5°37 | 7° 3 | | |
| T 7 | 20 58 48 | 13°52'15 | 15° 3 | 25° 2 | 14° 5 | 2°56 | 29° 5 | 6°10 | 22°11 | 7°56 | 18°50 | 2°14 | 2°35 | 5°44 | 6°59 | | |
| F 8 | 21 2 45 | 14°49'39 | 27°14 | 25°45 | 15°19 | 2°41 | 29°12 | 6°17 | 22°15 | 7°55 | 18°49 | 2° 2 | 2°32 | 5°51 | 6°56 | | |
| S 9 | 21 6 42 | 15°47'03 | 9♁18 | 26°34 | 16°33 | 2°26 | 29°19 | 6°25 | 22°18 | 7°55 | 18°48 | 1°49 | 2°29 | 5°58 | 6°52 | | |
| S 10 | 21 10 38 | 16°44'28 | 21°16 | 27°28 | 17°47 | 2°12 | 29°27 | 6°32 | 22°21 | 7°55 | 18°47 | 1°36 | 2°26 | 6° 4 | 6°49 | | |
| M 11 | 21 14 35 | 17°41'55 | 3♃10 | 28°29 | 19° 1 | 1°58 | 29°34 | 6°39 | 22°24 | 7°54 | 18°46 | 1°24 | 2°22 | 6°11 | 6°46 | | |
| T 12 | 21 18 31 | 18°39'22 | 15° 0 | 29°35 | 20°15 | 1°45 | 29°42 | 6°47 | 22°28 | 7°54 | 18°45 | 1°14 | 2°19 | 6°18 | 6°42 | | |
| W 13 | 21 22 28 | 19°36'50 | 26°50 | 0♁47 | 21°30 | 1°32 | 29°50 | 6°54 | 22°31 | 7°54 | 18°44 | 1° 7 | 2°16 | 6°24 | 6°39 | | |
| T 14 | 21 26 24 | 20°34'19 | 8♁42 | 2° 5 | 22°44 | 1°19 | 29°58 | 7° 1 | 22°34 | 7°54 | 18°43 | 1° 2 | 2°13 | 6°31 | 6°35 | | |
| F 15 | 21 30 21 | 21°31'50 | 20°39 | 3°28 | 23°58 | 1° 8 | 0♏ 5 | 7° 9 | 22°38 | 7°53 | 18°42 | 1° 0 | 2°10 | 6°38 | 6°32 | | |
| S 16 | 21 34 17 | 22°29'22 | 2♄45 | 4°55 | 25°12 | 0°57 | 0°14 | 7°16 | 22°41 | 7°53 | 18°41 | 1°D 0 | 2° 6 | 6°44 | 6°29 | | |
| S 17 | 21 38 14 | 23°26'55 | 15° 6 | 6°28 | 26°26 | 0°46 | 0°22 | 7°24 | 22°44 | 7°53 | 18°40 | 1° 0 | 2° 3 | 6°51 | 6°25 | | |
| M 18 | 21 42 10 | 24°24'30 | 27°46 | 8° 4 | 27°40 | 0°37 | 0°30 | 7°31 | 22°48 | 7°53 | 18°39 | 1°R 0 | 2° 0 | 6°58 | 6°22 | | |
| T 19 | 21 46 7 | 25°22'07 | 10♂50 | 9°45 | 28°54 | 0°28 | 0°39 | 7°39 | 22°51 | 7°53 | 18°38 | 0°59 | 1°57 | 7° 5 | 6°19 | | |
| W 20 | 21 50 4 | 26°19'44 | 24°22 | 11°30 | 0♏ 8 | 0°19 | 0°47 | 7°46 | 22°55 | 7°D53 | 18°37 | 0°56 | 1°54 | 7°11 | 6°16 | | |
| T 21 | 21 54 0 | 27°17'24 | 8♄23 | 13°17 | 1°23 | 0°12 | 0°56 | 7°54 | 22°58 | 7°53 | 18°35 | 0°51 | 1°51 | 7°18 | 6°12 | | |
| F 22 | 21 57 57 | 28°15'05 | 22°53 | 15° 8 | 2°37 | 0° 5 | 1° 5 | 8° 1 | 23° 2 | 7°53 | 18°34 | 0°43 | 1°47 | 7°25 | 6° 9 | | |
| S 23 | 22 1 53 | 29°12'47 | 7♁47 | 17° 1 | 3°51 | 29♄59 | 1°14 | 8° 9 | 23° 5 | 7°53 | 18°33 | 0°35 | 1°44 | 7°31 | 6° 6 | | |
| S 24 | 22 5 50 | 0♏10'30 | 22°58 | 18°57 | 5° 5 | 29°53 | 1°23 | 8°16 | 23° 9 | 7°53 | 18°32 | 0°25 | 1°41 | 7°38 | 6° 3 | | |
| M 25 | 22 9 46 | 1° 8'15 | 8♏15 | 20°54 | 6°19 | 29°49 | 1°32 | 8°24 | 23°12 | 7°53 | 18°31 | 0°17 | 1°38 | 7°45 | 6° 0 | | |
| T 26 | 22 13 43 | 2° 6'01 | 23°28 | 22°52 | 7°34 | 29°45 | 1°41 | 8°31 | 23°16 | 7°53 | 18°30 | 0°11 | 1°35 | 7°51 | 5°57 | | |
| W 27 | 22 17 40 | 3° 3'49 | 8♄25 | 24°52 | 8°48 | 29°42 | 1°50 | 8°39 | 23°19 | 7°54 | 18°28 | 0° 7 | 1°32 | 7°58 | 5°54 | | |
| T 28 | 22 21 36 | 4° 1'37 | 23° 1 | 26°52 | 10° 2 | 29°41 | 2° 0 | 8°47 | 23°23 | 7°54 | 18°27 | 0° 5 | 1°28 | 8° 5 | 5°51 | | |
| F 29 | 22 25 33 | 4°59'27 | 7♏11 | 28°52 | 11°16 | 29°39 | 2° 9 | 8°54 | 23°27 | 7°54 | 18°26 | 0°D 5 | 1°25 | 8°11 | 5°48 | | |
| S 30 | 22 29 29 | 5°57'18 | 20°55 | 0♏52 | 12°31 | 29°D39 | 2°19 | 9° 2 | 23°30 | 7°54 | 18°25 | 0° 6 | 1°22 | 8°18 | 5°45 | | |
| S 31 | 22 33 26 | 6♏55'10 | 4♁13 | 2♏52 | 13♏45 | 29♄40 | 2♏29 | 9♏ 9 | 23♏34 | 7♁55 | 18♃24 | 0°R 6 | 1♄19 | 8♃25 | 5♁43 | | |

Delta T = 11m41s

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SWISS EPHEMERIS for the year 2302

SEPTEMBER 2302

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♃ | ♄ |
|------|----------|-----------------------|---------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|-------------------|---------------------|---------------------|---------------------|--------------------|--------------------|
| M 1 | 22 37 22 | 7 ^h 53'03 | 17 ^h 9 | 4 ^h 52 | 14 ^h 59 | 29 ^h 41 | 2 ^h 38 | 9 ^h 17 | 23 ^h 38 | 7 ^h 55 | 18 ^h R22 | 0 ^h R 6 | 1 ^h 16 | 8 ^h 32 | 5 ^h R40 |
| T 2 | 22 41 19 | 8°50'58 | 29°46 | 6°51 | 16°13 | 29°43 | 2°48 | 9°25 | 23°41 | 7°55 | 18 ^h 21 | 0 ^h 4 | 1°12 | 8°38 | 5 ^h 37 |
| W 3 | 22 45 15 | 9°48'54 | 12 ^h 8 | 8°49 | 17°28 | 29°46 | 2°58 | 9°32 | 23°45 | 7°56 | 18°20 | 29 ^h Y59 | 1° 9 | 8°45 | 5°34 |
| T 4 | 22 49 12 | 10°46'51 | 24°19 | 10°47 | 18°42 | 29°50 | 3° 9 | 9°40 | 23°49 | 7°56 | 18°19 | 29°53 | 1° 6 | 8°52 | 5°32 |
| F 5 | 22 53 9 | 11°44'49 | 6 ^h 21 | 12°43 | 19°56 | 29°55 | 3°19 | 9°48 | 23°52 | 7°57 | 18°17 | 29°45 | 1° 3 | 8°58 | 5°29 |
| S 6 | 22 57 5 | 12°42'49 | 18°18 | 14°39 | 21°11 | 0 ^h 0 | 3°29 | 9°55 | 23°56 | 7°57 | 18°16 | 29°36 | 1° 0 | 9° 5 | 5°27 |
| S 7 | 23 1 2 | 13°40'51 | 0 ^h 11 | 16°33 | 22°25 | 0° 6 | 3°39 | 10° 3 | 24° 0 | 7°58 | 18°15 | 29°28 | 0°57 | 9°12 | 5°24 |
| M 8 | 23 4 58 | 14°38'53 | 12° 2 | 18°26 | 23°39 | 0°14 | 3°50 | 10°10 | 24° 4 | 7°58 | 18°14 | 29°19 | 0°53 | 9°18 | 5°22 |
| T 9 | 23 8 55 | 15°36'58 | 23°53 | 20°19 | 24°54 | 0°21 | 4° 0 | 10°18 | 24° 7 | 7°59 | 18°12 | 29°13 | 0°50 | 9°25 | 5°20 |
| W10 | 23 12 51 | 16°35'04 | 5 ^h Y45 | 22°10 | 26° 8 | 0°30 | 4°11 | 10°26 | 24°11 | 8° 0 | 18°11 | 29° 8 | 0°47 | 9°32 | 5°17 |
| T 11 | 23 16 48 | 17°33'12 | 17°42 | 23°59 | 27°22 | 0°39 | 4°22 | 10°33 | 24°15 | 8° 0 | 18°10 | 29° 6 | 0°44 | 9°39 | 5°15 |
| F 12 | 23 20 44 | 18°31'22 | 29°44 | 25°48 | 28°37 | 0°49 | 4°32 | 10°41 | 24°19 | 8° 1 | 18° 9 | 29°D 5 | 0°41 | 9°45 | 5°13 |
| S 13 | 23 24 41 | 19°29'34 | 11 ^h 56 | 27°35 | 29°51 | 1° 0 | 4°43 | 10°48 | 24°22 | 8° 2 | 18° 7 | 29° 6 | 0°37 | 9°52 | 5°11 |
| S 14 | 23 28 37 | 20°27'47 | 24°21 | 29°21 | 1 ^h 5 | 1°12 | 4°54 | 10°56 | 24°26 | 8° 3 | 18° 6 | 29° 7 | 0°34 | 9°59 | 5° 9 |
| M15 | 23 32 34 | 21°26'03 | 7 ^h II 3 | 1 ^h 6 | 2°20 | 1°24 | 5° 5 | 11° 3 | 24°30 | 8° 3 | 18° 5 | 29° 9 | 0°31 | 10° 5 | 5° 7 |
| T 16 | 23 36 31 | 22°24'21 | 20° 5 | 2°50 | 3°34 | 1°37 | 5°16 | 11°11 | 24°34 | 8° 4 | 18° 4 | 29°R 9 | 0°28 | 10°12 | 5° 5 |
| W17 | 23 40 27 | 23°22'41 | 3 ^h 31 | 4°33 | 4°48 | 1°51 | 5°27 | 11°18 | 24°38 | 8° 5 | 18° 2 | 29° 9 | 0°25 | 10°19 | 5° 3 |
| T 18 | 23 44 24 | 24°21'03 | 17°23 | 6°15 | 6° 3 | 2° 5 | 5°39 | 11°26 | 24°41 | 8° 6 | 18° 1 | 29° 7 | 0°22 | 10°25 | 5° 1 |
| F 19 | 23 48 20 | 25°19'27 | 1 ^h Ω41 | 7°55 | 7°17 | 2°20 | 5°50 | 11°33 | 24°45 | 8° 7 | 18° 0 | 29° 4 | 0°18 | 10°32 | 4°59 |
| S 20 | 23 52 17 | 26°17'54 | 16°23 | 9°34 | 8°31 | 2°36 | 6° 1 | 11°41 | 24°49 | 8° 8 | 17°59 | 28°59 | 0°15 | 10°39 | 4°58 |
| S 21 | 23 56 13 | 27°16'22 | 1 ^h 24 | 11°13 | 9°46 | 2°52 | 6°13 | 11°48 | 24°53 | 8° 9 | 17°58 | 28°55 | 0°12 | 10°45 | 4°56 |
| M22 | 0 0 10 | 28°14'52 | 16°34 | 12°50 | 11° 0 | 3° 9 | 6°24 | 11°56 | 24°57 | 8°10 | 17°56 | 28°51 | 0° 9 | 10°52 | 4°55 |
| T 23 | 0 4 6 | 29°13'24 | 1 ^h 45 | 14°26 | 12°15 | 3°27 | 6°36 | 12° 3 | 25° 0 | 8°11 | 17°55 | 28°47 | 0° 6 | 10°59 | 4°53 |
| W24 | 0 8 3 | 0 ^h Ω11'58 | 16°46 | 16° 1 | 13°29 | 3°45 | 6°47 | 12°10 | 25° 4 | 8°12 | 17°54 | 28°46 | 0° 3 | 11° 5 | 4°52 |
| T 25 | 0 12 0 | 1°10'34 | 1 ^h 28 | 17°36 | 14°43 | 4° 4 | 6°59 | 12°18 | 25° 8 | 8°13 | 17°53 | 28°D45 | 29 ^h Y59 | 11°12 | 4°50 |
| F 26 | 0 15 56 | 2° 9'12 | 15°48 | 19° 9 | 15°58 | 4°24 | 7°11 | 12°25 | 25°12 | 8°14 | 17°51 | 28°46 | 29°56 | 11°19 | 4°49 |
| S 27 | 0 19 53 | 3° 7'51 | 29°40 | 20°41 | 17°12 | 4°44 | 7°23 | 12°32 | 25°15 | 8°15 | 17°50 | 28°47 | 29°53 | 11°26 | 4°48 |
| S 28 | 0 23 49 | 4° 6'32 | 13 ^h 6 | 22°12 | 18°27 | 5° 4 | 7°35 | 12°40 | 25°19 | 8°17 | 17°49 | 28°49 | 29°50 | 11°32 | 4°47 |
| M29 | 0 27 46 | 5° 5'15 | 26° 6 | 23°42 | 19°41 | 5°25 | 7°47 | 12°47 | 25°23 | 8°18 | 17°48 | 28°50 | 29°47 | 11°39 | 4°46 |
| T 30 | 0 31 42 | 6 ^h 3'59 | 8 ^h 345 | 25 ^h 11 | 20 ^h 55 | 5 ^h 47 | 7 ^h 59 | 12 ^h 54 | 25 ^h 27 | 8 ^h 19 | 17 ^h 47 | 28 ^h R50 | 29 ^h Y43 | 11 ^h 46 | 4 ^h 45 |

Delta T = 11m42s

OCTOBER 2302

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♃ | ♄ |
|------|---------|----------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|---------------------|---------------------|--------------------|-------------------|
| W 1 | 0 35 39 | 7 ^h 2'46 | 21 ^h 7 | 26 ^h 39 | 22 ^h 10 | 6 ^h 9 | 8 ^h 11 | 13 ^h 1 | 25 ^h 30 | 8 ^h 20 | 17°R45 | 28°R49 | 29°Y40 | 11 ^h 52 | 4°R44 |
| T 2 | 0 39 35 | 8° 1'33 | 3 ^h 14 | 28° 7 | 23°24 | 6°32 | 8°23 | 13° 9 | 25°34 | 8°22 | 17 ^h 44 | 28°Y48 | 29°37 | 11°59 | 4 ^h 43 |
| F 3 | 0 43 32 | 9° 0'23 | 15°13 | 29°33 | 24°39 | 6°56 | 8°35 | 13°16 | 25°38 | 8°23 | 17°43 | 28°45 | 29°34 | 12° 6 | 4°42 |
| S 4 | 0 47 29 | 9°59'14 | 27° 6 | 0 ^h 58 | 25°53 | 7°19 | 8°47 | 13°23 | 25°42 | 8°24 | 17°42 | 28°42 | 29°31 | 12°12 | 4°41 |
| S 5 | 0 51 25 | 10°58'07 | 8 ^h 56 | 2°22 | 27° 7 | 7°44 | 8°59 | 13°30 | 25°45 | 8°26 | 17°41 | 28°39 | 29°28 | 12°19 | 4°41 |
| M 6 | 0 55 22 | 11°57'02 | 20°47 | 3°45 | 28°22 | 8° 8 | 9°12 | 13°37 | 25°49 | 8°27 | 17°40 | 28°37 | 29°24 | 12°26 | 4°40 |
| T 7 | 0 59 18 | 12°55'59 | 2 ^h Y41 | 5° 6 | 29°36 | 8°34 | 9°24 | 13°44 | 25°53 | 8°29 | 17°39 | 28°34 | 29°21 | 12°32 | 4°40 |
| W 8 | 1 3 15 | 13°54'58 | 14°41 | 6°27 | 0 ^h 51 | 8°59 | 9°36 | 13°51 | 25°56 | 8°30 | 17°38 | 28°33 | 29°18 | 12°39 | 4°39 |
| T 9 | 1 7 11 | 14°53'59 | 26°47 | 7°46 | 2° 5 | 9°25 | 9°49 | 13°58 | 26° 0 | 8°32 | 17°36 | 28°D33 | 29°15 | 12°46 | 4°39 |
| F 10 | 1 11 8 | 15°53'01 | 9 ^h 1 | 9° 4 | 3°19 | 9°52 | 10° 1 | 14° 5 | 26° 3 | 8°33 | 17°35 | 28°33 | 29°12 | 12°52 | 4°39 |
| S 11 | 1 15 4 | 16°52'07 | 21°26 | 10°21 | 4°34 | 10°19 | 10°14 | 14°12 | 26° 7 | 8°35 | 17°34 | 28°34 | 29° 9 | 12°59 | 4°39 |
| S 12 | 1 19 1 | 17°51'14 | 4 ^h II 4 | 11°37 | 5°48 | 10°46 | 10°26 | 14°18 | 26°11 | 8°36 | 17°33 | 28°35 | 29° 5 | 13° 6 | 4°38 |
| M13 | 1 22 58 | 18°50'24 | 16°55 | 12°51 | 7° 2 | 11°13 | 10°39 | 14°25 | 26°14 | 8°38 | 17°32 | 28°36 | 29° 2 | 13°13 | 4°D38 |
| T 14 | 1 26 54 | 19°49'35 | 0 ^h 3 | 14° 3 | 8°17 | 11°42 | 10°51 | 14°32 | 26°18 | 8°39 | 17°31 | 28°36 | 28°59 | 13°19 | 4°38 |
| W15 | 1 30 51 | 20°48'50 | 13°29 | 15°13 | 9°31 | 12°10 | 11° 4 | 14°38 | 26°21 | 8°41 | 17°30 | 28°37 | 28°56 | 13°26 | 4°39 |
| T 16 | 1 34 47 | 21°48'06 | 27°15 | 16°22 | 10°46 | 12°39 | 11°17 | 14°45 | 26°25 | 8°43 | 17°29 | 28°R37 | 28°53 | 13°33 | 4°39 |
| F 17 | 1 38 44 | 22°47'25 | 11 ^h Ω21 | 17°29 | 12° 0 | 13° 8 | 11°30 | 14°52 | 26°28 | 8°44 | 17°28 | 28°37 | 28°49 | 13°39 | 4°39 |
| S 18 | 1 42 40 | 23°46'46 | 25°44 | 18°34 | 13°14 | 13°37 | 11°42 | 14°58 | 26°32 | 8°46 | 17°27 | 28°36 | 28°46 | 13°46 | 4°39 |
| S 19 | 1 46 37 | 24°46'10 | 10 ^h 24 | 19°36 | 14°29 | 14° 7 | 11°55 | 15° 5 | 26°35 | 8°48 | 17°26 | 28°36 | 28°43 | 13°53 | 4°40 |
| M20 | 1 50 33 | 25°45'35 | 25°13 | 20°36 | 15°43 | 14°37 | 12° 8 | 15°11 | 26°39 | 8°50 | 17°25 | 28°35 | 28°40 | 13°59 | 4°40 |
| T 21 | 1 54 30 | 26°45'03 | 10 ^h 5 | 21°33 | 16°57 | 15° 8 | 12°21 | 15°17 | 26°42 | 8°51 | 17°24 | 28°35 | 28°37 | 14° 6 | 4°41 |
| W22 | 1 58 27 | 27°44'33 | 24°54 | 22°27 | 18°12 | 15°39 | 12°34 | 15°24 | 26°46 | 8°53 | 17°24 | 28°D35 | 28°34 | 14°13 | 4°41 |
| T 23 | 2 2 23 | 28°44'05 | 9 ^h 30 | 23°18 | 19°26 | 16°10 | 12°47 | 15°30 | 26°49 | 8°55 | 17°23 | 28°R35 | 28°30 | 14°19 | 4°42 |
| F 24 | 2 6 20 | 29°43'39 | 23°49 | 24° 5 | 20°40 | 16°41 | 13° 0 | 15°36 | 26°52 | 8°57 | 17°22 | 28°35 | 28°27 | 14°26 | 4°43 |
| S 25 | 2 10 16 | 0 ^h 43'15 | 7 ^h 44 | 24°48 | 21°55 | 17°13 | 13°12 | 15°42 | 26°56 | 8°59 | 17°21 | 28°35 | 28°24 | 14°33 | 4°44 |
| S 26 | 2 14 13 | 1°42'53 | 21°15 | 25°27 | 23° 9 | 17°45 | 13°25 | 15°48 | 26°59 | 9° 1 | 17°20 | 28°35 | 28°21 | 14°39 | 4°45 |
| M27 | 2 18 9 | 2°42'32 | 4 ^h 22 | 26° 0 | 24°24 | 18°18 | 13°38 | 15°54 | 27° 2 | 9° 2 | 17°19 | 28°34 | 28°18 | 14°46 | 4°46 |
| T 28 | 2 22 6 | 3°42'13 | 17° 6 | 26°28 | 25°38 | 18°50 | 13°51 | 16° 0 | 27° 5 | 9° 4 | 17°18 | 28°34 | 28°15 | 14°53 | 4°47 |
| W29 | 2 26 2 | 4°41'56 | 29°30 | 26°51 | 26°52 | 19°23 | 14° 5 | 16° 6 | 27° 9 | 9° 6 | 17°18 | 28°D33 | 28°11 | 14°59 | 4°48 |
| T 30 | 2 29 59 | 5°41'41 | 11 ^h 38 | 27° 6 | 28° 7 | 19°56 | 14°18 | 16°12 | 27°12 | 9° 8 | 17°17 | 28°33 | 28° 8 | 15° 6 | 4°49 |
| F 31 | 2 33 56 | 6 ^h 41'27 | 23 ^h 36 | 27 ^h 15 | 29 ^h 21 | 20 ^h 30 | 14 ^h 31 | 16 ^h 18 | 27 ^h 15 | 9 ^h 10 | 17 ^h 16 | 28 ^h Y34 | 28 ^h Y 5 | 15 ^h 13 | 4 ^h 45 |

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SWISS EPHEMERIS for the year 2302

NOVEMBER 2302

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♃ | ♄ |
|------|---------|----------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|------|
| S 1 | 2 37 52 | 7♈41'15 | 5♋28 | 27°R16 | 0♊35 | 21♋3 | 14♌44 | 16♍24 | 27♎18 | 9♏12 | 17°R15 | 28♐35 | 28♑ 2 | 15♒20 | 4♓52 |
| S 2 | 2 41 49 | 8°41'05 | 17°18 | 27♌ 8 | 1°49 | 21°37 | 14°57 | 16°29 | 27°21 | 9°14 | 17♋15 | 28°36 | 27°59 | 15°26 | 4°53 |
| M 3 | 2 45 45 | 9°40'56 | 29°11 | 26°52 | 3° 4 | 22°11 | 15°10 | 16°35 | 27°24 | 9°16 | 17°14 | 28°37 | 27°55 | 15°33 | 4°55 |
| T 4 | 2 49 42 | 10°40'49 | 11♍ 9 | 26°27 | 4°18 | 22°46 | 15°23 | 16°40 | 27°27 | 9°18 | 17°13 | 28°38 | 27°52 | 15°40 | 4°56 |
| W 5 | 2 53 38 | 11°40'44 | 23°16 | 25°52 | 5°32 | 23°20 | 15°36 | 16°46 | 27°30 | 9°20 | 17°13 | 28°R38 | 27°49 | 15°46 | 4°58 |
| T 6 | 2 57 35 | 12°40'41 | 5♉35 | 25° 8 | 6°47 | 23°55 | 15°49 | 16°51 | 27°33 | 9°22 | 17°12 | 28°38 | 27°46 | 15°53 | 5° 0 |
| F 7 | 3 1 31 | 13°40'40 | 18° 6 | 24°15 | 8° 1 | 24°30 | 16° 2 | 16°56 | 27°36 | 9°24 | 17°12 | 28°37 | 27°43 | 16° 0 | 5° 2 |
| S 8 | 3 5 28 | 14°40'40 | 0♐50 | 23°14 | 9°15 | 25° 5 | 16°16 | 17° 2 | 27°39 | 9°26 | 17°11 | 28°36 | 27°40 | 16° 6 | 5° 4 |
| S 9 | 3 9 25 | 15°40'43 | 13°49 | 22° 5 | 10°29 | 25°41 | 16°29 | 17° 7 | 27°42 | 9°28 | 17°10 | 28°33 | 27°36 | 16°13 | 5° 6 |
| M10 | 3 13 21 | 16°40'47 | 27° 1 | 20°51 | 11°44 | 26°16 | 16°42 | 17°12 | 27°45 | 9°31 | 17°10 | 28°31 | 27°33 | 16°20 | 5° 8 |
| T 11 | 3 17 18 | 17°40'54 | 10♉26 | 19°34 | 12°58 | 26°52 | 16°55 | 17°17 | 27°47 | 9°33 | 17° 9 | 28°28 | 27°30 | 16°26 | 5°10 |
| W12 | 3 21 14 | 18°41'03 | 24° 3 | 18°15 | 14°12 | 27°28 | 17° 8 | 17°22 | 27°50 | 9°35 | 17° 9 | 28°26 | 27°27 | 16°33 | 5°12 |
| T 13 | 3 25 11 | 19°41'13 | 7♊53 | 16°57 | 15°26 | 28° 4 | 17°21 | 17°27 | 27°53 | 9°37 | 17° 8 | 28°25 | 27°24 | 16°40 | 5°14 |
| F 14 | 3 29 7 | 20°41'26 | 21°53 | 15°43 | 16°41 | 28°40 | 17°35 | 17°31 | 27°56 | 9°39 | 17° 8 | 28°D24 | 27°20 | 16°46 | 5°16 |
| S 15 | 3 33 4 | 21°41'41 | 6♎ 3 | 14°35 | 17°55 | 29°16 | 17°48 | 17°36 | 27°58 | 9°41 | 17° 8 | 28°25 | 27°17 | 16°53 | 5°19 |
| S 16 | 3 37 0 | 22°41'57 | 20°21 | 13°35 | 19° 9 | 29°53 | 18° 1 | 17°41 | 28° 1 | 9°43 | 17° 7 | 28°26 | 27°14 | 17° 0 | 5°21 |
| M17 | 3 40 57 | 23°42'16 | 4♌44 | 12°45 | 20°23 | 0♈30 | 18°14 | 17°45 | 28° 3 | 9°46 | 17° 7 | 28°27 | 27°11 | 17° 6 | 5°24 |
| T 18 | 3 44 54 | 24°42'37 | 19° 9 | 12° 6 | 21°37 | 1° 7 | 18°27 | 17°50 | 28° 6 | 9°48 | 17° 6 | 28°29 | 27° 8 | 17°13 | 5°26 |
| W19 | 3 48 50 | 25°42'59 | 3♌32 | 11°38 | 22°52 | 1°44 | 18°40 | 17°54 | 28° 8 | 9°50 | 17° 6 | 28°R29 | 27° 5 | 17°20 | 5°29 |
| T 20 | 3 52 47 | 26°43'23 | 17°48 | 11°22 | 24° 6 | 2°21 | 18°53 | 17°58 | 28°11 | 9°52 | 17° 6 | 28°28 | 27° 1 | 17°26 | 5°31 |
| F 21 | 3 56 43 | 27°43'50 | 1♊52 | 11°D18 | 25°20 | 2°58 | 19° 7 | 18° 2 | 28°13 | 9°54 | 17° 6 | 28°25 | 26°58 | 17°33 | 5°34 |
| S 22 | 4 0 40 | 28°44'17 | 15°39 | 11°24 | 26°34 | 3°36 | 19°20 | 18° 7 | 28°15 | 9°57 | 17° 5 | 28°21 | 26°55 | 17°40 | 5°37 |
| S 23 | 4 4 36 | 29°44'47 | 29° 6 | 11°41 | 27°48 | 4°13 | 19°33 | 18°11 | 28°18 | 9°59 | 17° 5 | 28°15 | 26°52 | 17°46 | 5°40 |
| M24 | 4 8 33 | 0♈45'17 | 12♉13 | 12° 8 | 29° 2 | 4°51 | 19°46 | 18°14 | 28°20 | 10° 1 | 17° 5 | 28°10 | 26°49 | 17°53 | 5°43 |
| T 25 | 4 12 29 | 1°45'49 | 24°58 | 12°43 | 0♉17 | 5°29 | 19°59 | 18°18 | 28°22 | 10° 3 | 17° 5 | 28° 5 | 26°46 | 18° 0 | 5°46 |
| W26 | 4 16 26 | 2°46'23 | 7♌25 | 13°26 | 1°31 | 6° 7 | 20°12 | 18°22 | 28°24 | 10° 6 | 17° 5 | 28° 1 | 26°42 | 18° 6 | 5°49 |
| T 27 | 4 20 23 | 3°46'57 | 19°35 | 14°16 | 2°45 | 6°45 | 20°25 | 18°26 | 28°26 | 10° 8 | 17° 4 | 27°58 | 26°39 | 18°13 | 5°52 |
| F 28 | 4 24 19 | 4°47'33 | 1♋34 | 15°12 | 3°59 | 7°23 | 20°38 | 18°29 | 28°28 | 10°10 | 17° 4 | 27°D57 | 26°36 | 18°20 | 5°55 |
| S 29 | 4 28 16 | 5°48'10 | 13°25 | 16°13 | 5°13 | 8° 2 | 20°51 | 18°33 | 28°30 | 10°12 | 17° 4 | 27°57 | 26°33 | 18°27 | 5°58 |
| S 30 | 4 32 12 | 6♈48'48 | 25♋15 | 17♌19 | 6♉27 | 8♈40 | 21♌ 4 | 18♍36 | 28♎32 | 10♏15 | 17♋ 4 | 27♐58 | 26♑30 | 18♒33 | 6♓ 2 |

Delta T = 11m42s

DECEMBER 2302

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♁ | ♂ | ♃ | ♄ |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------|-------|-------|------|
| M 1 | 4 36 9 | 7♈49'27 | 7♍ 8 | 18♌29 | 7♉41 | 9♈19 | 21♌17 | 18♍39 | 28♎34 | 10♏17 | 17°R 4 | 28♐ 0 | 26♑26 | 18♒40 | 6♓ 5 |
| T 2 | 4 40 5 | 8°50'07 | 19° 9 | 19°42 | 8°55 | 9°58 | 21°30 | 18°42 | 28°36 | 10°19 | 17°D 4 | 28° 1 | 26°23 | 18°47 | 6° 8 |
| W 3 | 4 44 2 | 9°50'48 | 1♉22 | 20°58 | 10° 9 | 10°36 | 21°42 | 18°45 | 28°38 | 10°21 | 17♋ 4 | 28°R 2 | 26°20 | 18°53 | 6°12 |
| T 4 | 4 47 58 | 10°51'31 | 13°51 | 22°17 | 11°23 | 11°15 | 21°55 | 18°48 | 28°40 | 10°24 | 17° 4 | 28° 0 | 26°17 | 19° 0 | 6°15 |
| F 5 | 4 51 55 | 11°52'14 | 26°37 | 23°38 | 12°37 | 11°54 | 22° 8 | 18°51 | 28°41 | 10°26 | 17° 4 | 27°57 | 26°14 | 19° 7 | 6°19 |
| S 6 | 4 55 52 | 12°52'59 | 9♐43 | 25° 0 | 13°51 | 12°33 | 22°21 | 18°54 | 28°43 | 10°28 | 17° 4 | 27°51 | 26°11 | 19°13 | 6°23 |
| S 7 | 4 59 48 | 13°53'45 | 23° 6 | 26°25 | 15° 5 | 13°12 | 22°34 | 18°57 | 28°45 | 10°30 | 17° 4 | 27°44 | 26° 7 | 19°20 | 6°26 |
| M 8 | 5 3 45 | 14°54'33 | 6♉45 | 27°50 | 16°19 | 13°52 | 22°46 | 18°59 | 28°46 | 10°33 | 17° 5 | 27°36 | 26° 4 | 19°27 | 6°30 |
| T 9 | 5 7 41 | 15°55'21 | 20°37 | 29°17 | 17°33 | 14°31 | 22°59 | 19° 2 | 28°48 | 10°35 | 17° 5 | 27°28 | 26° 1 | 19°33 | 6°34 |
| W10 | 5 11 38 | 16°56'11 | 4♌38 | 0♈45 | 18°47 | 15°10 | 23°12 | 19° 4 | 28°49 | 10°37 | 17° 5 | 27°20 | 25°58 | 19°40 | 6°38 |
| T 11 | 5 15 34 | 17°57'03 | 18°44 | 2°13 | 20° 0 | 15°50 | 23°24 | 19° 6 | 28°50 | 10°39 | 17° 5 | 27°15 | 25°55 | 19°47 | 6°41 |
| F 12 | 5 19 31 | 18°57'55 | 2♎52 | 3°42 | 21°14 | 16°29 | 23°37 | 19° 8 | 28°52 | 10°42 | 17° 5 | 27°11 | 25°52 | 19°53 | 6°45 |
| S 13 | 5 23 27 | 19°58'49 | 17° 0 | 5°12 | 22°28 | 17° 9 | 23°49 | 19°10 | 28°53 | 10°44 | 17° 6 | 27°D10 | 25°48 | 20° 0 | 6°49 |
| S 14 | 5 27 24 | 20°59'44 | 1♌ 6 | 6°42 | 23°42 | 17°48 | 24° 2 | 19°12 | 28°54 | 10°46 | 17° 6 | 27°10 | 25°45 | 20° 7 | 6°53 |
| M15 | 5 31 21 | 22° 0'40 | 15°10 | 8°12 | 24°56 | 18°28 | 24°14 | 19°14 | 28°55 | 10°48 | 17° 6 | 27°11 | 25°42 | 20°13 | 6°57 |
| T 16 | 5 35 17 | 23° 1'38 | 29°10 | 9°43 | 26° 9 | 19° 8 | 24°27 | 19°16 | 28°57 | 10°51 | 17° 7 | 27°R12 | 25°39 | 20°20 | 7° 1 |
| W17 | 5 39 14 | 24° 2'37 | 13♌ 5 | 11°15 | 27°23 | 19°48 | 24°39 | 19°17 | 28°58 | 10°53 | 17° 7 | 27°10 | 25°36 | 20°27 | 7° 6 |
| T 18 | 5 43 10 | 25° 3'37 | 26°53 | 12°46 | 28°37 | 20°28 | 24°51 | 19°19 | 28°59 | 10°55 | 17° 7 | 27° 7 | 25°32 | 20°33 | 7°10 |
| F 19 | 5 47 7 | 26° 4'38 | 10♈32 | 14°18 | 29°50 | 21° 8 | 25° 3 | 19°20 | 29° 0 | 10°57 | 17° 8 | 27° 1 | 25°29 | 20°40 | 7°14 |
| S 20 | 5 51 3 | 27° 5'40 | 24° 0 | 15°50 | 1♌ 4 | 21°48 | 25°16 | 19°22 | 29° 1 | 10°59 | 17° 8 | 26°52 | 25°26 | 20°47 | 7°18 |
| S 21 | 5 55 0 | 28° 6'42 | 7♉13 | 17°22 | 2°18 | 22°28 | 25°28 | 19°23 | 29° 1 | 11° 2 | 17° 9 | 26°41 | 25°23 | 20°53 | 7°23 |
| M22 | 5 58 57 | 29° 7'46 | 20°10 | 18°54 | 3°31 | 23° 8 | 25°40 | 19°24 | 29° 2 | 11° 4 | 17° 9 | 26°29 | 25°20 | 21° 0 | 7°27 |
| T 23 | 6 2 53 | 0♉ 8'49 | 2♌50 | 20°27 | 4°45 | 23°48 | 25°52 | 19°25 | 29° 3 | 11° 6 | 17°10 | 26°17 | 25°17 | 21° 7 | 7°31 |
| W24 | 6 6 50 | 1° 9'54 | 15°14 | 21°59 | 5°58 | 24°28 | 26° 4 | 19°26 | 29° 4 | 11° 8 | 17°10 | 26° 7 | 25°13 | 21°13 | 7°36 |
| T 25 | 6 10 46 | 2°10'58 | 27°23 | 23°32 | 7°12 | 25° 9 | 26°16 | 19°26 | 29° 4 | 11°10 | 17°11 | 25°59 | 25°10 | 21°20 | 7°40 |
| F 26 | 6 14 43 | 3°12'03 | 9♈21 | 25° 5 | 8°25 | 25°49 | 26°28 | 19°27 | 29° 5 | 11°12 | 17°12 | 25°54 | 25° 7 | 21°27 | 7°45 |
| S 27 | 6 18 39 | 4°13'09 | 21°12 | 26°38 | 9°38 | 26°29 | 26°39 | 19°27 | 29° 5 | 11°15 | 17°12 | 25°51 | 25° 4 | 21°33 | 7°49 |
| S 28 | 6 22 36 | 5°14'14 | 3♍ 0 | 28°12 | 10°52 | 27°10 | 26°51 | 19°28 | 29° 6 | 11°17 | 17°13 | 25°D50 | 25° 1 | 21°40 | 7°54 |
| M29 | 6 26 32 | 6°15'20 | 14°51 | 29°45 | 12° 5 | 27°50 | 27° 3 | 19°28 | 29° 6 | 11°19 | 17°13 | 25°50 | 24°58 | 21°47 | 7°58 |
| T 30 | 6 30 29 | 7°16'26 | 26°51 | 1♉19 | 13°18 | 28°31 | 27°14 | 19°28 | 29° 6 | 11°21 | 17°14 | 25°R50 | 24°54 | 21°53 | 8° 3 |
| W31 | 6 34 26 | 8♉17'32 | 9♉ 6 | 2♉53 | 14♋31 | 29♈11 | 27♌26 | 19°R28 | 29♎ 7 | 11♏23 | 17♋15 | 25♐49 | 24♑51 | 22♒ 0 | 8♓ 8 |

Delta T = 11m42s

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