

SWISS EPHEMERIS for the year 2499

JANUARY 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	6 44 26	10 ³ 46'29	17 ^Ω 9	22 [♏] 11	18 [♏] 55	23 [♏] R16	2°R23	23 [♏] 20	2 [♏] 23	19 [♏] 33	24 [♏] 50	13°R54	13 [♏] 56	17 [♏] 0	6 [♏] 45		
F 2	6 48 23	11°47'34	0 [♏] 18	23°35	20°10	23 [♏] Ω 9	2 [♏] II19	23°21	2°27	19°35	24°52	13 [♏] 46	13°53	17° 7	6°48		
S 3	6 52 20	12°48'39	13°37	25° 0	21°25	23° 1	2°14	23°21	2°30	19°37	24°54	13°41	13°49	17°14	6°51		
S 4	6 56 16	13°49'45	27° 7	26°26	22°40	22°53	2°10	23°22	2°33	19°39	24°56	13°39	13°46	17°20	6°53		
M 5	7 0 13	14°50'51	10 [♏] 51	27°53	23°55	22°44	2° 6	23°24	2°37	19°41	24°58	13°39	13°43	17°27	6°56		
T 6	7 4 9	15°51'59	24°47	29°20	25°10	22°33	2° 2	23°25	2°40	19°43	25° 1	13°39	13°40	17°34	6°59		
W 7	7 8 6	16°53'06	8 [♏] 58	0 [♏] 47	26°25	22°22	1°58	23°26	2°44	19°45	25° 3	13°37	13°37	17°40	7° 2		
T 8	7 12 2	17°54'15	23°21	2°16	27°40	22°11	1°54	23°27	2°47	19°47	25° 5	13°34	13°33	17°47	7° 5		
F 9	7 15 59	18°55'23	7 [♏] 55	3°44	28°55	21°58	1°51	23°29	2°51	19°49	25° 7	13°28	13°30	17°54	7° 8		
S 10	7 19 55	19°56'32	22°33	5°14	0 [♏] 11	21°45	1°48	23°31	2°54	19°51	25° 9	13°19	13°27	18° 1	7°11		
S 11	7 23 52	20°57'41	7 [♏] 9	6°43	1°26	21°31	1°45	23°32	2°58	19°53	25°11	13° 7	13°24	18° 7	7°14		
M12	7 27 49	21°58'51	21°36	8°14	2°41	21°16	1°42	23°34	3° 1	19°55	25°13	12°55	13°21	18°14	7°18		
T 13	7 31 45	23° 0'00	5 [♏] 46	9°44	3°56	21° 0	1°39	23°36	3° 5	19°57	25°16	12°43	13°18	18°21	7°21		
W14	7 35 42	24° 1'09	19°35	11°15	5°11	20°44	1°37	23°38	3° 8	19°59	25°18	12°32	13°14	18°27	7°24		
T 15	7 39 38	25° 2'18	2 [♏] 59	12°47	6°27	20°26	1°35	23°40	3°12	20° 1	25°20	12°24	13°11	18°34	7°27		
F 16	7 43 35	26° 3'26	15°58	14°19	7°42	20° 9	1°33	23°42	3°15	20° 3	25°22	12°18	13° 8	18°41	7°31		
S 17	7 47 31	27° 4'34	28°34	15°51	8°57	19°50	1°31	23°45	3°19	20° 6	25°24	12°16	13° 5	18°47	7°34		
S 18	7 51 28	28° 5'42	10 [♏] 50	17°24	10°12	19°31	1°29	23°47	3°22	20° 8	25°26	12°D15	13° 2	18°54	7°37		
M19	7 55 24	29° 6'49	22°51	18°57	11°27	19°11	1°28	23°50	3°26	20°10	25°28	12°15	12°59	19° 1	7°41		
T 20	7 59 21	0 [♏] 7'55	4 [♏] 43	20°31	12°42	18°51	1°27	23°53	3°29	20°12	25°30	12°R15	12°55	19° 7	7°44		
W21	8 3 18	1° 9'01	16°32	22° 5	13°58	18°30	1°26	23°55	3°33	20°14	25°32	12°14	12°52	19°14	7°48		
T 22	8 7 14	2°10'06	28°22	23°40	15°13	18° 9	1°25	23°58	3°36	20°16	25°34	12°10	12°49	19°21	7°51		
F 23	8 11 11	3°11'11	10 [♏] 18	25°15	16°28	17°47	1°24	24° 1	3°40	20°19	25°36	12° 5	12°46	19°27	7°55		
S 24	8 15 7	4°12'15	22°26	26°50	17°43	17°25	1°24	24° 4	3°43	20°21	25°37	11°56	12°43	19°34	7°58		
S 25	8 19 4	5°13'19	4 [♏] 46	28°26	18°59	17° 3	1°D24	24° 7	3°47	20°23	25°39	11°45	12°39	19°41	8° 2		
M26	8 23 0	6°14'22	17°22	0 [♏] 3	20°14	16°40	1°24	24°11	3°50	20°25	25°41	11°33	12°36	19°47	8° 6		
T 27	8 26 57	7°15'24	0 [♏] 14	1°40	21°29	16°17	1°24	24°14	3°54	20°27	25°43	11°21	12°33	19°54	8° 9		
W28	8 30 53	8°16'25	13°21	3°18	22°44	15°53	1°25	24°17	3°58	20°30	25°45	11°10	12°30	20° 1	8°13		
T 29	8 34 50	9°17'26	26°42	4°56	23°59	15°29	1°25	24°21	4° 1	20°32	25°47	11° 1	12°27	20° 7	8°17		
F 30	8 38 47	10°18'26	10 [♏] 14	6°35	25°15	15° 6	1°26	24°25	4° 5	20°34	25°48	10°54	12°24	20°14	8°21		
S 31	8 42 43	11 [♏] 19'26	23 [♏] 55	8 [♏] 14	26 [♏] 30	14 [♏] 42	1 [♏] 27	24 [♏] 28	4 [♏] 8	20 [♏] 36	25 [♏] 50	10 [♏] 50	12 [♏] 20	20 [♏] 21	8 [♏] 24		

Delta T = 23m29s

FEBRUARY 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	8 46 40	12 [♐] 20'25	7 [♐] 44	9 [♐] 55	27 [♐] 45	14°R18	1°II29	24 [♐] 32	4 [♐] 12	20 [♐] 39	25 [♐] 52	10°D49	12 [♐] 17	20 [♐] 27	8 [♐] 28		
M 2	8 50 36	13°21'24	21°40	11°35	29° 0	13 [♐] 54	1°30	24°36	4°15	20°41	25°54	10 [♐] 49	12°14	20°34	8°32		
T 3	8 54 33	14°22'22	5 [♐] 41	13°16	0 [♐] 15	13°30	1°32	24°40	4°19	20°43	25°55	10°50	12°11	20°41	8°36		
W 4	8 58 29	15°23'20	19°46	14°58	1°31	13° 6	1°34	24°44	4°22	20°45	25°57	10°R50	12° 8	20°47	8°40		
T 5	9 2 26	16°24'18	3 [♐] 56	16°41	2°46	12°42	1°36	24°48	4°26	20°48	25°59	10°49	12° 5	20°54	8°43		
F 6	9 6 22	17°25'14	18° 8	18°24	4° 1	12°18	1°38	24°53	4°29	20°50	26° 0	10°45	12° 1	21° 1	8°47		
S 7	9 10 19	18°26'11	2 [♐] 19	20° 8	5°16	11°55	1°41	24°57	4°33	20°52	26° 2	10°39	11°58	21° 7	8°51		
S 8	9 14 16	19°27'06	16°26	21°53	6°32	11°31	1°43	25° 2	4°36	20°55	26° 3	10°31	11°55	21°14	8°55		
M 9	9 18 12	20°28'01	0 [♐] 25	23°38	7°47	11° 8	1°46	25° 6	4°40	20°57	26° 5	10°23	11°52	21°21	8°59		
T 10	9 22 9	21°28'54	14°11	25°24	9° 2	10°46	1°49	25°11	4°43	20°59	26° 6	10°14	11°49	21°27	9° 3		
W11	9 26 5	22°29'47	27°41	27°10	10°17	10°24	1°53	25°15	4°46	21° 1	26° 8	10° 6	11°45	21°34	9° 7		
T 12	9 30 2	23°30'38	10 [♐] 53	28°57	11°32	10° 2	1°56	25°20	4°50	21° 4	26° 9	10° 1	11°42	21°41	9°11		
F 13	9 33 58	24°31'28	23°44	0 [♐] 44	12°48	9°40	2° 0	25°25	4°53	21° 6	26°11	9°57	11°39	21°47	9°15		
S 14	9 37 55	25°32'17	6 [♐] 17	2°32	14° 3	9°20	2° 4	25°30	4°57	21° 8	26°12	9°D55	11°36	21°54	9°19		
S 15	9 41 51	26°33'05	18°33	4°20	15°18	8°59	2° 8	25°35	5° 0	21°11	26°14	9°56	11°33	22° 1	9°23		
M16	9 45 48	27°33'51	0 [♐] 35	6° 8	16°33	8°40	2°12	25°40	5° 3	21°13	26°15	9°57	11°30	22° 7	9°27		
T 17	9 49 45	28°34'35	12°29	7°56	17°48	8°20	2°16	25°45	5° 7	21°15	26°16	9°59	11°26	22°14	9°31		
W18	9 53 41	29°35'19	24°19	9°44	19° 3	8° 2	2°21	25°50	5°10	21°17	26°18	10°R 0	11°23	22°21	9°35		
T 19	9 57 38	0 [♐] 36'00	6 [♐] 10	11°32	20°19	7°44	2°26	25°56	5°13	21°20	26°19	10° 0	11°20	22°27	9°39		
F 20	10 1 34	1°36'40	18° 7	13°19	21°34	7°27	2°31	26° 1	5°17	21°22	26°20	9°58	11°17	22°34	9°44		
S 21	10 5 31	2°37'19	0 [♐] 16	15° 6	22°49	7°10	2°36	26° 7	5°20	21°24	26°21	9°55	11°14	22°41	9°48		
S 22	10 9 27	3°37'56	12°39	16°51	24° 4	6°55	2°41	26°12	5°23	21°26	26°22	9°50	11°11	22°48	9°52		
M23	10 13 24	4°38'31	25°21	18°35	25°19	6°40	2°47	26°18	5°26	21°29	26°24	9°44	11° 7	22°54	9°56		
T 24	10 17 20	5°39'04	8 [♐] 23	20°17	26°34	6°25	2°52	26°23	5°30	21°31	26°25	9°38	11° 4	23° 1	10° 0		
W25	10 21 17	6°39'36	21°46	21°57	27°49	6°12	2°58	26°29	5°33	21°33	26°26	9°33	11° 1	23° 8	10° 4		
T 26	10 25 14	7°40'07	5 [♐] 27	23°34	29° 4	5°59	3° 4	26°35	5°36	21°35	26°27	9°28	10°58	23°14	10° 8		
F 27	10 29 10	8°40'35	19°24	25° 8	0 [♐] 20	5°47	3°10	26°41	5°39	21°37	26°28	9°25	10°55	23°21	10°12		
S 28	10 33 7	9 [♐] 41'03	3 [♐] 33	26 [♐] 38	1 [♐] 35	5 [♐] 36	3 [♐] 17	26 [♐] 47	5 [♐] 42	21 [♐] 40	26 [♐] 29	9°D24	10 [♐] 51	23 [♐] 28	10 [♐] 16		

Delta T = 23m29s

created from Swiss Ephemeris, Copyright Astrodiens AG [4.12.2006]

SWISS EPHEMERIS for the year 2499

MARCH 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
S 1	10 37 3	10♋41'29	17♌50	28♋3	2♋50	5°R25	3♂23	26♃53	5♌45	21♌42	26♃30	9♌24	10♌48	23♋34	10♋20									
M 2	10 41 0	11°41'53	2♌11	29°24	4° 5	5♌15	3°30	26°59	5°48	21°44	26°31	9°25	10°45	23°41	10°25									
T 3	10 44 56	12°42'17	16°30	0♃38	5°20	5° 7	3°37	27° 5	5°51	21°46	26°32	9°27	10°42	23°48	10°29									
W 4	10 48 53	13°42'39	0♃46	1°46	6°35	4°58	3°44	27°11	5°54	21°48	26°32	9°28	10°39	23°54	10°33									
T 5	10 52 49	14°42'59	14°56	2°46	7°50	4°51	3°51	27°17	5°57	21°50	26°33	9°R28	10°36	24° 1	10°37									
F 6	10 56 46	15°43'19	28°59	3°40	9° 5	4°45	3°58	27°23	6° 0	21°53	26°34	9°28	10°32	24° 8	10°41									
S 7	11 0 43	16°43'37	12♌52	4°24	10°20	4°39	4° 5	27°30	6° 3	21°55	26°35	9°26	10°29	24°14	10°45									
S 8	11 4 39	17°43'53	26°35	5° 1	11°35	4°34	4°13	27°36	6° 6	21°57	26°36	9°23	10°26	24°21	10°49									
M 9	11 8 36	18°44'08	10♌6	5°28	12°50	4°30	4°21	27°42	6° 9	21°59	26°36	9°20	10°23	24°28	10°53									
T 10	11 12 32	19°44'22	23°25	5°46	14° 5	4°26	4°29	27°49	6°12	22° 1	26°37	9°17	10°20	24°34	10°57									
W11	11 16 29	20°44'33	6♋30	5°R54	15°20	4°24	4°37	27°55	6°14	22° 3	26°37	9°15	10°16	24°41	11° 1									
T 12	11 20 25	21°44'43	19°20	5°53	16°35	4°22	4°45	28° 2	6°17	22° 5	26°38	9°13	10°13	24°48	11° 5									
F 13	11 24 22	22°44'52	1♃56	5°43	17°50	4°21	4°53	28° 9	6°20	22° 7	26°39	9°12	10°10	24°54	11° 9									
S 14	11 28 18	23°44'58	14°19	5°23	19° 5	4°D20	5° 1	28°15	6°22	22° 9	26°39	9°D12	10° 7	25° 1	11°14									
S 15	11 32 15	24°45'02	26°29	4°56	20°20	4°21	5°10	28°22	6°25	22°11	26°40	9°12	10° 4	25° 8	11°18									
M16	11 36 11	25°45'05	8♌29	4°21	21°35	4°22	5°19	28°29	6°28	22°13	26°40	9°13	10° 1	25°14	11°22									
T 17	11 40 8	26°45'05	20°22	3°39	22°50	4°24	5°28	28°36	6°30	22°15	26°41	9°15	9°57	25°21	11°26									
W18	11 44 5	27°45'04	2♂12	2°51	24° 4	4°26	5°37	28°42	6°33	22°17	26°41	9°16	9°54	25°28	11°30									
T 19	11 48 1	28°45'00	14° 4	1°59	25°19	4°30	5°46	28°49	6°35	22°19	26°41	9°17	9°51	25°35	11°34									
F 20	11 51 58	29°44'55	26° 0	1° 4	26°34	4°34	5°55	28°56	6°38	22°21	26°42	9°R17	9°48	25°41	11°37									
S 21	11 55 54	0♃44'47	8♌7	0° 6	27°49	4°38	6° 4	29° 3	6°40	22°23	26°42	9°17	9°45	25°48	11°41									
S 22	11 59 51	1°44'36	20°29	29♋8	29° 4	4°44	6°14	29°10	6°43	22°25	26°42	9°17	9°42	25°55	11°45									
M23	12 3 47	2°44'24	3♌10	28°11	0♃19	4°50	6°23	29°17	6°45	22°27	26°42	9°16	9°38	26° 1	11°49									
T 24	12 7 44	3°44'10	16°13	27°15	1°33	4°56	6°33	29°24	6°47	22°28	26°43	9°15	9°35	26° 8	11°53									
W25	12 11 40	4°43'53	29°40	26°22	2°48	5° 4	6°43	29°31	6°50	22°30	26°43	9°15	9°32	26°15	11°57									
T 26	12 15 37	5°43'34	13♂31	25°33	4° 3	5°11	6°53	29°39	6°52	22°32	26°43	9°14	9°29	26°21	12° 1									
F 27	12 19 34	6°43'13	27°45	24°49	5°18	5°20	7° 3	29°46	6°54	22°34	26°43	9°14	9°26	26°28	12° 5									
S 28	12 23 30	7°42'50	12♌16	24° 9	6°32	5°29	7°13	29°53	6°56	22°35	26°43	9°D14	9°22	26°35	12° 8									
S 29	12 27 27	8°42'25	27° 0	23°36	7°47	5°39	7°23	0♌0	6°58	22°37	26°R43	9°14	9°19	26°41	12°12									
M30	12 31 23	9°41'58	11♌49	23° 8	9° 2	5°49	7°33	0° 7	7° 0	22°39	26°43	9°R14	9°16	26°48	12°16									
T 31	12 35 20	10♃41'30	26♌35	22♋46	10♃16	6♌0	7♂44	0♌15	7♌2	22♌41	26♃43	9♌14	9♌13	26♋55	12♋20									

Delta T = 23m29s

APRIL 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
W 1	12 39 16	11♃40'59	11♌12	22°R30	11♃31	6♌11	7♂54	0♌22	7♌4	22♌42	26°R43	9°R14	9♌10	27♋1	12♋23									
T 2	12 43 13	12°40'27	25°36	22♋20	12°46	6°23	8° 5	0°29	7° 6	22°44	26♃43	9♌14	9° 7	27° 8	12°27									
F 3	12 47 9	13°39'54	9♌43	22°D17	14° 0	6°35	8°16	0°37	7° 8	22°46	26°43	9°D13	9° 3	27°15	12°31									
S 4	12 51 6	14°39'18	23°31	22°19	15°15	6°48	8°27	0°44	7°10	22°47	26°42	9°13	9° 0	27°22	12°34									
S 5	12 55 3	15°38'41	7♌2	22°26	16°30	7° 1	8°38	0°51	7°12	22°49	26°42	9°14	8°57	27°28	12°38									
M 6	12 58 59	16°38'02	20°14	22°39	17°44	7°15	8°49	0°59	7°14	22°50	26°42	9°14	8°54	27°35	12°41									
T 7	13 2 56	17°37'22	3♋11	22°57	18°59	7°30	9° 0	1° 6	7°15	22°52	26°42	9°15	8°51	27°42	12°45									
W 8	13 6 52	18°36'39	15°54	23°20	20°13	7°44	9°11	1°14	7°17	22°53	26°41	9°16	8°47	27°48	12°49									
T 9	13 10 49	19°35'55	28°23	23°48	21°28	8° 0	9°22	1°21	7°19	22°55	26°41	9°17	8°44	27°55	12°52									
F 10	13 14 45	20°35'09	10♃42	24°20	22°42	8°15	9°34	1°29	7°20	22°56	26°41	9°R17	8°41	28° 2	12°55									
S 11	13 18 42	21°34'20	22°51	24°56	23°57	8°32	9°45	1°36	7°22	22°58	26°40	9°16	8°38	28° 8	12°59									
S 12	13 22 38	22°33'30	4♌53	25°36	25°11	8°48	9°57	1°44	7°23	22°59	26°40	9°15	8°35	28°15	13° 2									
M13	13 26 35	23°32'38	16°48	26°20	26°26	9° 5	10° 8	1°51	7°25	23° 0	26°39	9°14	8°32	28°22	13° 6									
T 14	13 30 31	24°31'43	28°40	27° 7	27°40	9°23	10°20	1°59	7°26	23° 2	26°39	9°11	8°28	28°28	13° 9									
W15	13 34 28	25°30'47	10♂30	27°58	28°55	9°41	10°32	2° 6	7°28	23° 3	26°38	9° 9	8°25	28°35	13°12									
T 16	13 38 25	26°29'48	22°21	28°52	0♌9	9°59	10°44	2°14	7°29	23° 4	26°38	9° 6	8°22	28°42	13°15									
F 17	13 42 21	27°28'47	4♌18	29°48	1°23	10°18	10°56	2°21	7°30	23° 5	26°37	9° 4	8°19	28°48	13°19									
S 18	13 46 18	28°27'44	16°23	0♃48	2°38	10°37	11° 8	2°29	7°31	23° 7	26°37	9° 3	8°16	28°55	13°22									
S 19	13 50 14	29°26'39	28°42	1°51	3°52	10°56	11°20	2°37	7°32	23° 8	26°36	9°D 2	8°13	29° 2	13°25									
M20	13 54 11	0♌25'31	11♌18	2°56	5° 6	11°16	11°32	2°44	7°34	23° 9	26°35	9° 3	8° 9	29° 9	13°28									
T 21	13 58 7	1°24'21	24°16	4° 3	6°21	11°36	11°44	2°52	7°35	23°10	26°35	9° 4	8° 6	29°15	13°31									
W22	14 2 4	2°23'09	7♂38	5°13	7°35	11°56	11°57	2°59	7°36	23°11	26°34	9° 5	8° 3	29°22	13°34									
T 23	14 6 0	3°21'55	21°28	6°25	8°49	12°17	12° 9	3° 7	7°37	23°12	26°33	9° 7	8° 0	29°29	13°37									
F 24	14 9 57	4°20'38	5♌44	7°40	10° 3	12°38	12°21	3°15	7°38	23°13	26°32	9°R 7	7°57	29°35	13°40									
S 25	14 13 54	5°19'19	20°24	8°57	11°18	13° 0	12°34	3°22	7°38	23°14	26°31	9° 7	7°53	29°42	13°43									
S 26	14 17 50	6°17'59	5♌23	10°15	12°32	13°22	12°47	3°30	7°39	23°15	26°31	9° 5	7°50	29°49	13°46									
M27	14 21 47	7°16'36	20°32	11°36	13°46	13°44	12°59	3°37	7°40	23°16	26°30	9° 2	7°47	29°55	13°49									
T 28	14 25 43	8°15'12	5♌41	12°59																				

SWISS EPHEMERIS for the year 2499

MAY 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	14 37 33	11♁10'49	19♁34	17♁19	18♁43	15♁15	13♁50	4♁ 7	7♁43	23♁20	26°R26	8°R48	7♁34	0♁22	13♁59
S 2	14 41 29	12° 9'18	3♁39	18°49	19°57	15°38	14° 3	4°15	7°43	23°20	26♁25	8♁46	7°31	0°29	14° 2
S 3	14 45 26	13° 7'45	17° 8	20°21	21°11	16° 2	14°16	4°23	7°44	23°21	26°24	8°D46	7°28	0°36	14° 4
M 4	14 49 23	14° 6'11	0♁14	21°55	22°25	16°26	14°29	4°30	7°44	23°22	26°23	8°47	7°25	0°42	14° 7
T 5	14 53 19	15° 4'36	12°59	23°31	23°39	16°51	14°42	4°38	7°44	23°23	26°22	8°48	7°22	0°49	14° 9
W 6	14 57 16	16° 2'59	25°28	25° 9	24°53	17°15	14°55	4°45	7°45	23°23	26°21	8°50	7°19	0°56	14°12
T 7	15 1 12	17° 1'20	7♁43	26°48	26° 7	17°40	15° 8	4°53	7°45	23°24	26°20	8°R50	7°15	1° 2	14°14
F 8	15 5 9	17°59'39	19°49	28°29	27°21	18° 5	15°22	5° 0	7°45	23°24	26°18	8°50	7°12	1° 9	14°16
S 9	15 9 5	18°57'57	1♁47	0♁12	28°35	18°30	15°35	5° 7	7°45	23°25	26°17	8°47	7° 9	1°16	14°19
S 10	15 13 2	19°56'14	13°41	1°57	29°49	18°56	15°48	5°15	7°45	23°26	26°16	8°43	7° 6	1°22	14°21
M11	15 16 58	20°54'28	25°32	3°44	1♁ 3	19°22	16° 1	5°22	7°45	23°26	26°15	8°37	7° 3	1°29	14°23
T 12	15 20 55	21°52'41	7♁22	5°32	2°17	19°48	16°15	5°30	7°R45	23°26	26°14	8°29	6°59	1°36	14°25
W13	15 24 52	22°50'53	19°14	7°23	3°30	20°14	16°28	5°37	7°45	23°27	26°12	8°20	6°56	1°43	14°27
T 14	15 28 48	23°49'02	1♁ 8	9°15	4°44	20°40	16°42	5°44	7°45	23°27	26°11	8°12	6°53	1°49	14°29
F 15	15 32 45	24°47'10	13° 7	11° 9	5°58	21° 7	16°55	5°52	7°45	23°28	26°10	8° 4	6°50	1°56	14°31
S 16	15 36 41	25°45'16	25°15	13° 4	7°12	21°34	17° 9	5°59	7°45	23°28	26° 8	7°59	6°47	2° 3	14°33
S 17	15 40 38	26°43'20	7♁33	15° 2	8°26	22° 1	17°22	6° 6	7°45	23°28	26° 7	7°55	6°44	2° 9	14°35
M18	15 44 34	27°41'22	20° 6	17° 1	9°40	22°28	17°36	6°14	7°44	23°29	26° 6	7°53	6°40	2°16	14°37
T 19	15 48 31	28°39'22	2♁59	19° 2	10°53	22°56	17°49	6°21	7°44	23°29	26° 4	7°D52	6°37	2°23	14°38
W20	15 52 27	29°37'20	16°14	21° 5	12° 7	23°24	18° 3	6°28	7°44	23°29	26° 3	7°53	6°34	2°29	14°40
T 21	15 56 24	0♁35'17	29°55	23° 9	13°21	23°51	18°17	6°35	7°43	23°29	26° 2	7°54	6°31	2°36	14°42
F 22	16 0 21	1°33'11	14♁ 3	25°15	14°34	24°19	18°30	6°42	7°43	23°29	26° 0	7°R54	6°28	2°43	14°43
S 23	16 4 17	2°31'04	28°38	27°22	15°48	24°48	18°44	6°50	7°42	23°29	25°59	7°53	6°24	2°50	14°45
S 24	16 8 14	3°28'56	13♁36	29°31	17° 2	25°16	18°58	6°57	7°42	23°29	25°57	7°49	6°21	2°56	14°46
M25	16 12 10	4°26'46	28°49	1♁40	18°15	25°45	19°11	7° 4	7°41	23°30	25°56	7°43	6°18	3° 3	14°48
T 26	16 16 7	5°24'34	14♁ 8	3°51	19°29	26°13	19°25	7°11	7°40	23°R30	25°55	7°35	6°15	3°10	14°49
W27	16 20 3	6°22'21	29°21	6° 2	20°43	26°42	19°39	7°18	7°40	23°29	25°53	7°26	6°12	3°16	14°50
T 28	16 24 0	7°20'07	14♁19	8°13	21°56	27°11	19°53	7°25	7°39	23°29	25°52	7°18	6° 9	3°23	14°52
F 29	16 27 56	8°17'52	28°52	10°25	23°10	27°40	20° 7	7°31	7°38	23°29	25°50	7°11	6° 5	3°30	14°53
S 30	16 31 53	9°15'35	12♁57	12°36	24°23	28°10	20°20	7°38	7°37	23°29	25°49	7° 6	6° 2	3°36	14°54
S 31	16 35 50	10♁13'18	26♁32	14♁48	25♁37	28♁39	20♁34	7♁45	7♁36	23♁29	25♁47	7♁ 3	5♁59	3♁43	14♁55

Delta T = 23m30s

JUNE 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	16 39 46	11♁10'59	9♁39	16♁58	26♁50	29♁ 9	20♁48	7♁52	7°R35	23°R29	25°R46	7°D 2	5♁56	3♁50	14♁56
T 2	16 43 43	12° 8'40	22°23	19° 8	28° 4	29°39	21° 2	7°59	7♁34	23♁29	25♁44	7♁ 2	5°53	3°57	14°57
W 3	16 47 39	13° 6'20	4♁46	21°16	29°17	0♁ 9	21°16	8° 5	7°33	23°28	25°42	7°R 3	5°50	4° 3	14°58
T 4	16 51 36	14° 3'58	16°55	23°23	0♁31	0°39	21°30	8°12	7°32	23°28	25°41	7° 2	5°46	4°10	14°59
F 5	16 55 32	15° 1'36	28°54	25°28	1°44	1° 9	21°44	8°19	7°31	23°28	25°39	7° 0	5°43	4°17	14°59
S 6	16 59 29	15°59'13	10♁46	27°31	2°58	1°40	21°58	8°25	7°30	23°27	25°38	6°55	5°40	4°23	15° 0
S 7	17 3 25	16°56'48	22°36	29°33	4°11	2°10	22°12	8°32	7°29	23°27	25°36	6°48	5°37	4°30	15° 1
M 8	17 7 22	17°54'23	4♁25	1♁32	5°24	2°41	22°25	8°38	7°28	23°27	25°35	6°38	5°34	4°37	15° 1
T 9	17 11 19	18°51'57	16°17	3°29	6°38	3°12	22°39	8°45	7°26	23°26	25°33	6°26	5°30	4°43	15° 2
W10	17 15 15	19°49'30	28°13	5°23	7°51	3°43	22°53	8°51	7°25	23°26	25°31	6°13	5°27	4°50	15° 3
T 11	17 19 12	20°47'02	10♁13	7°15	9° 5	4°14	23° 7	8°57	7°24	23°25	25°30	6° 0	5°24	4°57	15° 3
F 12	17 23 8	21°44'32	22°20	9° 5	10°18	4°45	23°21	9° 4	7°22	23°25	25°28	5°48	5°21	5° 4	15° 3
S 13	17 27 5	22°42'02	4♁34	10°51	11°31	5°17	23°35	9°10	7°21	23°24	25°27	5°38	5°18	5°10	15° 4
S 14	17 31 1	23°39'30	16°59	12°36	12°44	5°48	23°49	9°16	7°19	23°24	25°25	5°31	5°15	5°17	15° 4
M15	17 34 58	24°36'58	29°36	14°17	13°58	6°20	24° 3	9°22	7°18	23°23	25°23	5°26	5°11	5°24	15° 4
T 16	17 38 54	25°34'24	12♁29	15°56	15°11	6°52	24°17	9°28	7°16	23°22	25°22	5°24	5° 8	5°30	15° 4
W17	17 42 51	26°31'49	25°40	17°32	16°24	7°23	24°31	9°34	7°14	23°22	25°20	5°D24	5° 5	5°37	15° 4
T 18	17 46 48	27°29'13	9♁14	19° 6	17°37	7°55	24°45	9°40	7°13	23°21	25°19	5°R24	5° 2	5°44	15°R 4
F 19	17 50 44	28°26'36	23°11	20°36	18°50	8°28	24°59	9°46	7°11	23°20	25°17	5°23	4°59	5°50	15° 4
S 20	17 54 41	29°23'58	7♁34	22° 4	20° 4	9° 0	25°13	9°52	7° 9	23°19	25°15	5°20	4°56	5°57	15° 4
S 21	17 58 37	0♁21'18	22°19	23°29	21°17	9°32	25°27	9°58	7° 8	23°19	25°14	5°15	4°52	6° 4	15° 4
M22	18 2 34	1°18'39	7♁21	24°51	22°30	10° 5	25°41	10° 3	7° 6	23°18	25°12	5° 8	4°49	6°11	15° 4
T 23	18 6 30	2°15'58	22°32	26°11	23°43	10°37	25°54	10° 9	7° 4	23°17	25°11	4°58	4°46	6°17	15° 4
W24	18 10 27	3°13'16	7♁43	27°27	24°56	11°10	26° 8	10°15	7° 2	23°16	25° 9	4°47	4°43	6°24	15° 3
T 25	18 14 23	4°10'35	22°41	28°40	26° 9	11°43	26°22	10°20	7° 0	23°15	25° 7	4°36	4°40	6°31	15° 3
F 26	18 18 20	5° 7'52	7♁18	29°51	27°22	12°15	26°36	10°26	6°59	23°14	25° 6	4°27	4°36	6°37	15° 2
S 27	18 22 17	6° 5'09	21°29	0♁58	28°35	12°48	26°50	10°31	6°57	23°13	25° 4	4°20	4°33	6°44	15° 2
S 28	18 26 13	7° 2'26	5♁ 9	2° 2	29°48	13°21	27° 4	10°36	6°55	23°12	25° 3	4°16	4°30	6°51	15° 1
M29	18 30 10	7°59'42	18°22	3° 3	1♁ 1	13°55	27°18	10°41	6°53	23°11	25° 1	4°14	4°27	6°58	15° 1
T 30	18 34 6	8°56'59	1♁ 8	4♁ 1	2♁14	14♁28	27♁31	10♁47	6♁51	23♁10	25♁ 0	4♁13	4♁24	7♁ 4	15♁ 0

Delta T = 23m30s

created from Swiss Ephemeris, Copyright Astrodiest AG [4.12.2006]

SWISS EPHEMERIS for the year 2499

JULY 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	18 38 3	9 ⁵⁵ 54'15	13 ^Υ 33	4 [♈] 55	3 [♈] 27	15 [♏] 1	27 [♈] 45	10 [♈] 52	6 [♈] R49	23 [♈] R 9	24 [♈] R58	4 [♈] R13	4 [♈] 21	7 [♈] 11	14 [♈] R59
T 2	18 41 59	10 ⁵¹ '31	25 [♈] 41	5 [♈] 45	4 [♈] 39	15 [♏] 35	27 [♈] 59	10 [♈] 57	6 [♈] 47	23 [♈] 8	24 [♈] 57	4 [♈] 13	4 [♈] 17	7 [♈] 18	14 [♈] 58
F 3	18 45 56	11 ⁴⁸ '47	7 [♈] 39	6 [♈] 32	5 [♈] 52	16 [♏] 8	28 [♈] 13	11 [♈] 2	6 [♈] 44	23 [♈] 7	24 [♈] 55	4 [♈] 10	4 [♈] 14	7 [♈] 24	14 [♈] 58
S 4	18 49 52	12 ⁴⁶ '03	19 [♈] 30	7 [♈] 16	7 [♈] 5	16 [♏] 42	28 [♈] 26	11 [♈] 7	6 [♈] 42	23 [♈] 6	24 [♈] 54	4 [♈] 6	4 [♈] 11	7 [♈] 31	14 [♈] 57
S 5	18 53 49	13 ⁴³ '19	1 [♈] 20	7 [♈] 55	8 [♈] 18	17 [♏] 16	28 [♈] 40	11 [♈] 11	6 [♈] 40	23 [♈] 5	24 [♈] 52	3 [♈] 58	4 [♈] 8	7 [♈] 38	14 [♈] 56
M 6	18 57 46	14 ⁴⁰ '35	13 [♈] 11	8 [♈] 31	9 [♈] 31	17 [♏] 50	28 [♈] 54	11 [♈] 16	6 [♈] 38	23 [♈] 4	24 [♈] 51	3 [♈] 48	4 [♈] 5	7 [♈] 45	14 [♈] 55
T 7	19 1 42	15 ³⁷ '50	25 [♈] 6	9 [♈] 2	10 [♈] 43	18 [♏] 24	29 [♈] 7	11 [♈] 21	6 [♈] 36	23 [♈] 2	24 [♈] 49	3 [♈] 37	4 [♈] 2	7 [♈] 51	14 [♈] 54
W 8	19 5 39	16 ³⁵ '06	7 [♈] 8	9 [♈] 29	11 [♈] 56	18 [♏] 58	29 [♈] 21	11 [♈] 25	6 [♈] 34	23 [♈] 1	24 [♈] 48	3 [♈] 24	3 [♈] 58	7 [♈] 58	14 [♈] 53
T 9	19 9 35	17 ³² '22	19 [♈] 18	9 [♈] 52	13 [♈] 9	19 [♏] 32	29 [♈] 34	11 [♈] 30	6 [♈] 31	23 [♈] 0	24 [♈] 46	3 [♈] 10	3 [♈] 55	8 [♈] 5	14 [♈] 51
F 10	19 13 32	18 ²⁹ '37	1 [♈] 36	10 [♈] 11	14 [♈] 22	20 [♏] 6	29 [♈] 48	11 [♈] 34	6 [♈] 29	22 [♈] 59	24 [♈] 45	2 [♈] 58	3 [♈] 52	8 [♈] 11	14 [♈] 50
S 11	19 17 28	19 ²⁶ '52	14 [♈] 4	10 [♈] 25	15 [♈] 34	20 [♏] 41	0 [♈] 1	11 [♈] 39	6 [♈] 27	22 [♈] 57	24 [♈] 43	2 [♈] 48	3 [♈] 49	8 [♈] 18	14 [♈] 49
S 12	19 21 25	20 ²⁴ '07	26 [♈] 42	10 [♈] 34	16 [♈] 47	21 [♏] 15	0 [♈] 15	11 [♈] 43	6 [♈] 25	22 [♈] 56	24 [♈] 42	2 [♈] 41	3 [♈] 46	8 [♈] 25	14 [♈] 47
M13	19 25 21	21 ²¹ '22	9 [♈] 31	10 [♈] 39	17 [♈] 59	21 [♏] 50	0 [♈] 28	11 [♈] 47	6 [♈] 22	22 [♈] 55	24 [♈] 41	2 [♈] 37	3 [♈] 42	8 [♈] 31	14 [♈] 46
T 14	19 29 18	22 ¹⁸ '36	22 [♈] 33	10 [♈] R39	19 [♈] 12	22 [♏] 24	0 [♈] 42	11 [♈] 51	6 [♈] 20	22 [♈] 53	24 [♈] 39	2 [♈] 35	3 [♈] 39	8 [♈] 38	14 [♈] 45
W15	19 33 15	23 ¹⁵ '51	5 [♈] 50	10 [♈] 34	20 [♈] 24	22 [♏] 59	0 [♈] 55	11 [♈] 55	6 [♈] 18	22 [♈] 52	24 [♈] 38	2 [♈] D34	3 [♈] 36	8 [♈] 45	14 [♈] 43
T 16	19 37 11	24 ¹³ '05	19 [♈] 23	10 [♈] 25	21 [♈] 37	23 [♏] 34	1 [♈] 8	11 [♈] 59	6 [♈] 15	22 [♈] 51	24 [♈] 36	2 [♈] R35	3 [♈] 33	8 [♈] 52	14 [♈] 42
F 17	19 41 8	25 ¹⁰ '19	3 [♈] 15	10 [♈] 11	22 [♈] 49	24 [♏] 9	1 [♈] 22	12 [♈] 3	6 [♈] 13	22 [♈] 49	24 [♈] 35	2 [♈] 34	3 [♈] 30	8 [♈] 58	14 [♈] 40
S 18	19 45 4	26 ⁷ '32	17 [♈] 26	9 [♈] 53	24 [♈] 2	24 [♏] 44	1 [♈] 35	12 [♈] 7	6 [♈] 11	22 [♈] 48	24 [♈] 34	2 [♈] 33	3 [♈] 27	9 [♈] 5	14 [♈] 38
S 19	19 49 1	27 ⁴ '46	1 [♈] 55	9 [♈] 30	25 [♈] 14	25 [♏] 19	1 [♈] 48	12 [♈] 11	6 [♈] 8	22 [♈] 46	24 [♈] 33	2 [♈] 29	3 [♈] 23	9 [♈] 12	14 [♈] 37
M20	19 52 57	28 ¹ '59	16 [♈] 38	9 [♈] 4	26 [♈] 27	25 [♏] 54	2 [♈] 1	12 [♈] 14	6 [♈] 6	22 [♈] 45	24 [♈] 31	2 [♈] 23	3 [♈] 20	9 [♈] 18	14 [♈] 35
T 21	19 56 54	28 ⁵⁹ '13	1 [♈] 29	8 [♈] 34	27 [♈] 39	26 [♏] 29	2 [♈] 14	12 [♈] 18	6 [♈] 4	22 [♈] 44	24 [♈] 30	2 [♈] 14	3 [♈] 17	9 [♈] 25	14 [♈] 33
W22	20 0 51	29 ⁵⁶ '27	16 [♈] 21	8 [♈] 1	28 [♈] 51	27 [♏] 4	2 [♈] 28	12 [♈] 21	6 [♈] 1	22 [♈] 42	24 [♈] 29	2 [♈] 5	3 [♈] 14	9 [♈] 32	14 [♈] 31
T 23	20 4 47	0 [♈] 53'41	1 [♈] 5	7 [♈] 25	0 [♈] 3	27 [♏] 40	2 [♈] 41	12 [♈] 24	5 [♈] 59	22 [♈] 41	24 [♈] 28	1 [♈] 56	3 [♈] 11	9 [♈] 39	14 [♈] 29
F 24	20 8 44	1 ⁵⁰ '55	15 [♈] 32	6 [♈] 47	1 [♈] 16	28 [♏] 15	2 [♈] 54	12 [♈] 28	5 [♈] 56	22 [♈] 39	24 [♈] 26	1 [♈] 48	3 [♈] 8	9 [♈] 45	14 [♈] 28
S 25	20 12 40	2 ⁴⁸ '09	29 [♈] 38	6 [♈] 7	2 [♈] 28	28 [♏] 51	3 [♈] 7	12 [♈] 31	5 [♈] 54	22 [♈] 38	24 [♈] 25	1 [♈] 42	3 [♈] 4	9 [♈] 52	14 [♈] 26
S 26	20 16 37	3 ⁴⁵ '24	13 [♈] 17	5 [♈] 26	3 [♈] 40	29 [♏] 26	3 [♈] 19	12 [♈] 34	5 [♈] 52	22 [♈] 36	24 [♈] 24	1 [♈] 39	3 [♈] 1	9 [♈] 59	14 [♈] 24
M27	20 20 33	4 ⁴² '40	26 [♈] 31	4 [♈] 46	4 [♈] 52	0 [♈] 2	3 [♈] 32	12 [♈] 37	5 [♈] 49	22 [♈] 35	24 [♈] 23	1 [♈] D37	2 [♈] 58	10 [♈] 5	14 [♈] 21
T 28	20 24 30	5 ³⁹ '56	9 [♈] 19	4 [♈] 5	6 [♈] 4	0 [♈] 38	3 [♈] 45	12 [♈] 40	5 [♈] 47	22 [♈] 33	24 [♈] 22	1 [♈] 37	2 [♈] 55	10 [♈] 12	14 [♈] 19
W29	20 28 26	6 ³⁷ '13	21 [♈] 47	3 [♈] 26	7 [♈] 16	1 [♈] 14	3 [♈] 58	12 [♈] 43	5 [♈] 44	22 [♈] 32	24 [♈] 21	1 [♈] 38	2 [♈] 52	10 [♈] 19	14 [♈] 17
T 30	20 32 23	7 ³⁴ '31	3 [♈] 58	2 [♈] 49	8 [♈] 28	1 [♈] 50	4 [♈] 10	12 [♈] 45	5 [♈] 42	22 [♈] 30	24 [♈] 20	1 [♈] R39	2 [♈] 48	10 [♈] 26	14 [♈] 15
F 31	20 36 19	8 [♈] 31'49	15 [♈] 58	2 [♈] 15	9 [♈] 40	2 [♈] 26	4 [♈] 23	12 [♈] 48	5 [♈] 40	22 [♈] 28	24 [♈] 19	1 [♈] 39	2 [♈] 45	10 [♈] 32	14 [♈] 13

Delta T = 23m31s

AUGUST 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	20 40 16	9 [♈] 29'08	27 [♈] 51	1 [♈] R44	10 [♈] 52	3 [♈] 2	4 [♈] 36	12 [♈] 50	5 [♈] R37	22 [♈] R27	24 [♈] R18	1 [♈] R37	2 [♈] 42	10 [♈] 39	14 [♈] R11
S 2	20 44 13	10 ²⁶ '29	9 [♈] 42	1 [♈] 16	12 [♈] 4	3 [♈] 38	4 [♈] 48	12 [♈] 53	5 [♈] 35	22 [♈] 25	24 [♈] 17	1 [♈] 33	2 [♈] 39	10 [♈] 46	14 [♈] 8
M 3	20 48 9	11 ²³ '50	21 [♈] 36	0 [♈] 53	13 [♈] 16	4 [♈] 14	5 [♈] 1	12 [♈] 55	5 [♈] 32	22 [♈] 24	24 [♈] 16	1 [♈] 27	2 [♈] 36	10 [♈] 52	14 [♈] 6
T 4	20 52 6	12 ²¹ '12	3 [♈] 36	0 [♈] 35	14 [♈] 28	4 [♈] 51	5 [♈] 13	12 [♈] 57	5 [♈] 30	22 [♈] 22	24 [♈] 15	1 [♈] 19	2 [♈] 33	10 [♈] 59	14 [♈] 4
W 5	20 56 2	13 ¹⁸ '35	15 [♈] 45	0 [♈] 23	15 [♈] 40	5 [♈] 27	5 [♈] 25	12 [♈] 59	5 [♈] 28	22 [♈] 20	24 [♈] 14	1 [♈] 11	2 [♈] 29	11 [♈] 6	14 [♈] 1
T 6	20 59 59	14 ¹⁵ '58	28 [♈] 4	0 [♈] 15	16 [♈] 51	6 [♈] 3	5 [♈] 38	13 [♈] 1	5 [♈] 25	22 [♈] 19	24 [♈] 13	1 [♈] 2	2 [♈] 26	11 [♈] 13	13 [♈] 59
F 7	21 3 55	15 ¹³ '23	10 [♈] 36	0 [♈] D14	18 [♈] 3	6 [♈] 40	5 [♈] 50	13 [♈] 3	5 [♈] 23	22 [♈] 17	24 [♈] 12	0 [♈] 54	2 [♈] 23	11 [♈] 19	13 [♈] 56
S 8	21 7 52	16 ¹⁰ '48	23 [♈] 21	0 [♈] 19	19 [♈] 15	7 [♈] 17	6 [♈] 2	13 [♈] 5	5 [♈] 20	22 [♈] 16	24 [♈] 11	0 [♈] 48	2 [♈] 20	11 [♈] 26	13 [♈] 54
S 9	21 11 48	17 ⁸ '14	6 [♈] 18	0 [♈] 30	20 [♈] 26	7 [♈] 53	6 [♈] 14	13 [♈] 7	5 [♈] 18	22 [♈] 14	24 [♈] 10	0 [♈] 43	2 [♈] 17	11 [♈] 33	13 [♈] 51
M10	21 15 45	18 ⁵ '40	19 [♈] 27	0 [♈] 48	21 [♈] 38	8 [♈] 30	6 [♈] 26	13 [♈] 8	5 [♈] 16	22 [♈] 12	24 [♈] 10	0 [♈] 41	2 [♈] 14	11 [♈] 39	13 [♈] 49
T 11	21 19 42	19 ³ '08	2 [♈] 47	1 [♈] 12	22 [♈] 49	9 [♈] 7	6 [♈] 38	13 [♈] 10	5 [♈] 13	22 [♈] 11	24 [♈] 9	0 [♈] D40	2 [♈] 10	11 [♈] 46	13 [♈] 46
W12	21 23 38	20 ⁰ '36	16 [♈] 20	1 [♈] 42	24 [♈] 1	9 [♈] 44	6 [♈] 50	13 [♈] 11	5 [♈] 11	22 [♈] 9	24 [♈] 8	0 [♈] 41	2 [♈] 7	11 [♈] 53	13 [♈] 43
T 13	21 27 35	20 ⁵⁸ '05	0 [♈] 11	2 [♈] 19	25 [♈] 12	10 [♈] 21	7 [♈] 1	13 [♈] 12	5 [♈] 9	22 [♈] 7	24 [♈] 8	0 [♈] 42	2 [♈] 4	12 [♈] 0	13 [♈] 41
F 14	21 31 31	21 ⁵⁵ '34	14 [♈] 0	3 [♈] 2	26 [♈] 24	10 [♈] 58	7 [♈] 13	13 [♈] 14	5 [♈] 7	22 [♈] 6	24 [♈] 7	0 [♈] 43	2 [♈] 1	12 [♈] 6	13 [♈] 38
S 15	21 35 28	22 ⁵³ '04	28 [♈] 7	3 [♈] 51	27 [♈] 35	11 [♈] 35	7 [♈] 25	13 [♈] 15	5 [♈] 4	22 [♈] 4	24 [♈] 6	0<			

SWISS EPHEMERIS for the year 2499

SEPTEMBER 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	22 42 29	9 ^h 13'19	11 ^h 54'41	0 ^h 27'27	17 ^h 53'39	22 ^h 51'18	10 ^h 52'29	13 ^h R17	4 ^h R29	21 ^h R37	24 ^h R 0	0 ^h R18	1 ^h Ω 4	14 ^h II 7	12 ^h R47
W 2	22 46 26	10 ^h 11'12	23 ^h 55'25	2 ^h 25'18	18 ^h 50'22	22 ^h 57'10	10 ^h 39'13	13 ^h Ω16	4 ^h Ω27	21 ^h Ω35	24 ^h Ω 0	0 ^h Ω15	1 ^h ° 0	14 ^h 14	12 ^h Ω44
T 3	22 50 22	11 ^h 9'07	6 ^h Ω22	4 ^h 25'20	18 ^h 50'22	23 ^h 35'10	10 ^h 49'13	13 ^h 16'13	4 ^h 26'26	21 ^h 34'21	24 ^h ° 0	0 ^h 12'0	0 ^h 57'0	14 ^h 21	12 ^h °41
F 4	22 54 19	12 ^h 7'03	19 ^h 6'19	6 ^h 24'21	21 ^h 10'24	24 ^h 14'10	10 ^h 59'13	13 ^h 15'4	4 ^h 24'21	21 ^h 32'24	24 ^h D 0	0 ^h 9'0	0 ^h 54'0	14 ^h 27	12 ^h °38
S 5	22 58 15	13 ^h 5'01	2 ^h 27'6	8 ^h 23'22	22 ^h 20'24	24 ^h 52'11	11 ^h 8'13	13 ^h 13'4	4 ^h 22'21	21 ^h 31'24	24 ^h ° 0	0 ^h 7'0	0 ^h 51'0	14 ^h 34	12 ^h °35
S 6	23 2 12	14 ^h 3'01	15 ^h 23'12	10 ^h 22'23	23 ^h 30'25	25 ^h 31'22	11 ^h 18'13	13 ^h 12'4	4 ^h 20'19	21 ^h 29'24	24 ^h ° 0	0 ^h 6'0	0 ^h 48'0	14 ^h 41	12 ^h °32
M 7	23 6 9	15 ^h 1'02	28 ^h 56'12	12 ^h 20'24	24 ^h 40'26	26 ^h 10'11	11 ^h 27'13	13 ^h 11'4	4 ^h 19'21	21 ^h 28'24	24 ^h ° 0	0 ^h D 5	0 ^h 45'0	14 ^h 47	12 ^h °29
T 8	23 10 5	15 ^h 59'04	12 ^h Ω42	14 ^h 18'25	25 ^h 50'26	26 ^h 49'11	11 ^h 37'13	13 ^h 9'4	4 ^h 17'21	21 ^h 27'24	24 ^h ° 0	0 ^h 6'0	0 ^h 41'0	14 ^h 54	12 ^h °26
W 9	23 14 2	16 ^h 57'08	26 ^h 39'16	16 ^h 15'27	27 ^h 0'27	27 ^h 28'11	11 ^h 46'13	13 ^h 8'4	4 ^h 16'21	21 ^h 25'24	24 ^h ° 0	0 ^h 7'0	0 ^h 38'0	15 ^h 1	12 ^h °23
T 10	23 17 58	17 ^h 55'13	10 ^h Ω45	18 ^h 11'28	28 ^h 10'28	28 ^h 7'11	11 ^h 55'13	13 ^h 6'6	4 ^h 14'21	21 ^h 24'24	24 ^h ° 0	0 ^h 8'0	0 ^h 35'0	15 ^h 8	12 ^h °20
F 11	23 21 55	18 ^h 53'20	24 ^h 56'20	20 ^h 6'29	29 ^h 19'28	28 ^h 46'12	12 ^h 4'13	13 ^h 5'4	4 ^h 13'21	21 ^h 22'24	24 ^h ° 1	0 ^h 8'0	0 ^h 32'0	15 ^h 14	12 ^h °17
S 12	23 25 51	19 ^h 51'28	9 ^h Ω10	22 ^h 0'0	0 ^h Ω29	29 ^h 25'12	12 ^h 13'13	13 ^h 3'3	4 ^h 11'21	21 ^h 21'24	24 ^h ° 1	0 ^h 9'0	0 ^h 29'0	15 ^h 21	12 ^h °14
S 13	23 29 48	20 ^h 49'38	23 ^h 23'23	23 ^h 53'1	1 ^h 38'0	0 ^h Ω 4	12 ^h 21'13	13 ^h 1'1	4 ^h 10'21	21 ^h 19'24	24 ^h ° 1	0 ^h R 9	0 ^h 25'0	15 ^h 28	12 ^h °11
M 14	23 33 44	21 ^h 47'49	7 ^h Ω35	25 ^h 44'2	2 ^h 48'0	0 ^h 44	12 ^h 30'12	12 ^h 59'4	4 ^h 8'21	21 ^h 18'24	24 ^h ° 2	0 ^h 9'0	0 ^h 22'0	15 ^h 34	12 ^h ° 9
T 15	23 37 41	22 ^h 46'01	21 ^h 42'27	27 ^h 35'3	3 ^h 57'1	1 ^h 23	12 ^h 38'12	12 ^h 57'4	4 ^h 7'21	21 ^h 17'24	24 ^h ° 2	0 ^h 8'0	0 ^h 19'0	15 ^h 41	12 ^h ° 6
W 16	23 41 37	23 ^h 44'15	5 ^h Ω42	29 ^h 25'5	7 ^h 2'2	2 ^h 2	12 ^h 47'12	12 ^h 55'4	4 ^h 6'21	21 ^h 15'24	24 ^h ° 2	0 ^h 8'0	0 ^h 16'0	15 ^h 48	12 ^h ° 3
T 17	23 45 34	24 ^h 42'30	19 ^h 32'1	1 ^h Ω13	6 ^h 16'2	2 ^h 42	12 ^h 55'12	12 ^h 52'4	4 ^h 4'21	21 ^h 14'24	24 ^h ° 3	0 ^h 7'0	0 ^h 13'0	15 ^h 55	12 ^h ° 0
F 18	23 49 31	25 ^h 40'47	3 ^h Ω10	3 ^h 0'7	2 ^h 25'3	3 ^h 21	13 ^h 3'12	12 ^h 50'4	4 ^h 3'21	21 ^h 13'24	24 ^h ° 3	0 ^h 6'0	0 ^h 10'0	16 ^h 1	11 ^h °57
S 19	23 53 27	26 ^h 39'06	16 ^h 35'4	4 ^h 46'8	8 ^h 34'4	4 ^h 1	13 ^h 11'12	12 ^h 47'4	4 ^h 2'21	21 ^h 12'24	24 ^h ° 4	0 ^h 6'0	0 ^h 6'0	16 ^h 8	11 ^h °54
S 20	23 57 24	27 ^h 37'26	29 ^h 44'6	6 ^h 31'9	9 ^h 43'4	4 ^h 41	13 ^h 18'12	12 ^h 45'4	4 ^h 1'21	21 ^h 10'24	24 ^h ° 4	0 ^h D 6	0 ^h 3'0	16 ^h 15	11 ^h °51
M 21	0 1 20	28 ^h 35'48	12 ^h Ω38	8 ^h 15'10	10 ^h 51'5	5 ^h 21	13 ^h 26'12	12 ^h 42'4	4 ^h 0'21	21 ^h 9'24	24 ^h ° 5	0 ^h 6'0	0 ^h 0'0	16 ^h 21	11 ^h °49
T 22	0 5 17	29 ^h 34'12	25 ^h 15'9	9 ^h 58'12	12 ^h 0'6	6 ^h 0	13 ^h 34'12	12 ^h 39'3	3 ^h 59'21	21 ^h 8'24	24 ^h ° 5	0 ^h 6'0	29 ^h Ω57	16 ^h 28	11 ^h °46
W 23	0 9 13	0 ^h Ω32'37	7 ^h Ω39	11 ^h 39'13	13 ^h 9'6	6 ^h 40	13 ^h 41'12	12 ^h 37'3	3 ^h 58'21	21 ^h 7'24	24 ^h ° 6	0 ^h R 6	29 ^h 54	16 ^h 35	11 ^h °43
T 24	0 13 10	1 ^h 31'05	19 ^h 49'13	13 ^h 20'14	14 ^h 17'7	7 ^h 20	13 ^h 48'12	12 ^h 34'3	3 ^h 57'21	21 ^h 6'24	24 ^h ° 6	0 ^h 6'0	29 ^h 51	16 ^h 42	11 ^h °40
F 25	0 17 6	2 ^h 29'35	1 ^h II50	14 ^h 59'15	15 ^h 25'8	8 ^h 0	13 ^h 55'12	12 ^h 31'3	3 ^h 56'21	21 ^h 5'24	24 ^h ° 7	0 ^h 6'0	29 ^h 47	16 ^h 48	11 ^h °38
S 26	0 21 3	3 ^h 28'07	13 ^h 45'16	16 ^h 38'16	16 ^h 34'8	8 ^h 40	14 ^h 2'12	12 ^h 28'3	3 ^h 55'21	21 ^h 3'24	24 ^h ° 8	0 ^h 5'0	29 ^h 44	16 ^h 55	11 ^h °35
S 27	0 25 0	4 ^h 26'42	25 ^h 37'18	18 ^h 15'17	17 ^h 42'9	9 ^h 21	14 ^h 9'12	12 ^h 24'3	3 ^h 54'21	21 ^h 2'24	24 ^h ° 8	0 ^h 5'0	29 ^h 41	17 ^h 2	11 ^h °32
M 28	0 28 56	5 ^h 25'18	7 ^h Ω32	19 ^h 51'18	18 ^h 50'10	10 ^h 1	14 ^h 16'12	12 ^h 21'3	3 ^h 54'21	21 ^h 1'24	24 ^h ° 9	0 ^h D 5	29 ^h 38	17 ^h 9	11 ^h °30
T 29	0 32 53	6 ^h 23'57	19 ^h 34'21	21 ^h 27'19	19 ^h 58'10	10 ^h 41	14 ^h 22'12	12 ^h 18'3	3 ^h 53'21	21 ^h 0'24	24 ^h °10	0 ^h 5'0	29 ^h 35	17 ^h 15	11 ^h °27
W 30	0 36 49	7 ^h Ω22'37	1 ^h Ω48	23 ^h Ω 1	21 ^h Ω 6	11 ^h Ω21	14 ^h Ω28	12 ^h Ω14	3 ^h Ω52	20 ^h Ω59	24 ^h Ω11	0 ^h Ω 6	29 ^h Ω31	17 ^h II22	11 ^h Ω25

Delta T = 23m31s

OCTOBER 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	0 40 46	8 ^h Ω21'20	14 ^h Ω17	24 ^h Ω35	22 ^h Ω13	12 ^h Ω 2	14 ^h Ω35	12 ^h R11	3 ^h R52	20 ^h R58	24 ^h Ω12	0 ^h Ω 7	29 ^h Ω28	17 ^h II29	11 ^h R22
F 2	0 44 42	9 ^h 20'05	27 ^h 6'26	26 ^h 7'23	23 ^h 21'12	12 ^h 42'14	14 ^h 41'12	12 ^h Ω 7	3 ^h Ω51	20 ^h Ω57	24 ^h Ω13	0 ^h 7'0	29 ^h 25	17 ^h 35	11 ^h Ω20
S 3	0 48 39	10 ^h 18'52	10 ^h Ω15	27 ^h 39'24	24 ^h 28'13	13 ^h 23'14	14 ^h 46'12	12 ^h 4'3	3 ^h 50'20	20 ^h 56'24	24 ^h 14'0	0 ^h 8'0	29 ^h 22	17 ^h 42	11 ^h °17
S 4	0 52 35	11 ^h 17'41	23 ^h 47'29	29 ^h 10'25	25 ^h 36'14	14 ^h 4'14	14 ^h 52'11	12 ^h 0'3	3 ^h 50'20	20 ^h 55'24	24 ^h 14'0	0 ^h R 9	29 ^h 19	17 ^h 49	11 ^h °15
M 5	0 56 32	12 ^h 16'33	7 ^h Ω41	0 ^h Ω39	26 ^h 43'14	14 ^h 44'14	14 ^h 58'11	11 ^h 56'3	3 ^h 50'20	20 ^h 55'24	24 ^h 15'0	0 ^h 9'0	29 ^h 16	17 ^h 56	11 ^h °12
T 6	1 0 29	13 ^h 15'26	21 ^h 52'2	2 ^h 8'27	27 ^h 50'15	15 ^h 3'11	15 ^h 25'11	11 ^h 52'3	3 ^h 49'20	20 ^h 54'24	24 ^h 16'0	0 ^h 8'0	29 ^h 12	18 ^h 2	11 ^h °10
W 7	1 4 25	14 ^h 14'21	6 ^h Ω18	3 ^h 36'28	28 ^h 57'16	16 ^h 6'15	15 ^h 8'11	11 ^h 49'3	3 ^h 49'20	20 ^h 53'24	24 ^h 17'0	0 ^h 7'0	29 ^h 9	18 ^h 9	11 ^h ° 7
T 8	1 8 22	15 ^h 13'18	20 ^h 52'5	5 ^h 3'0	0 ^h Ω 4	16 ^h 47'15	15 ^h 13'11	11 ^h 45'3	3 ^h 49'20	20 ^h 52'24	24 ^h 19'0	0 ^h 5'0	29 ^h 6	18 ^h 16	11 ^h ° 5
F 9	1 12 18	16 ^h 12'17	5 ^h Ω27	6 ^h 28'1	1 ^h 10'17	17 ^h 28'15	15 ^h 18'11	11 ^h 41'3	3 ^h 48'20	20 ^h 51'24	24 ^h 20'0	0 ^h 3'0	29 ^h 3	18 ^h 22	11 ^h ° 3
S 10	1 16 15	17 ^h 11'18	19 ^h 59'7	7 ^h 53'2	2 ^h 17'18	18 ^h 9'15	15 ^h 23'11	11 ^h 36'3	3 ^h 48'20	20 ^h 51'24	24 ^h 21'0	0 ^h 1'0	29 ^h 0	18 ^h 29	11 ^h ° 1
S 11	1 20 11	18 ^h 10'21	4 ^h Ω22	9 ^h 17'3	3 ^h 23'18	18 ^h 50'15	15 ^h 27'11	11 ^h 32'3	3 ^h 48'20	20 ^h 50'24	24 ^h 22'0	0 ^h 0'0	28 ^h 56	18 ^h 36	10 ^h °59
M 12	1 24 8	19 ^h 9'25	18 ^h 33'10	10 ^h 40'4	4 ^h 29'19	19 ^h 31'15	15 ^h 31'11	11 ^h 28'3	3 ^h 48'20	20 ^h 49'24	24 ^h 23'0	29 ^h D59	28 ^h 53	18 ^h 43	10 ^h °56
T 13	1 28 4	20 ^h 8'31	2 ^h Ω29	12 ^h 2'5	5 ^h 35'20	20 ^h 13'15	15 ^h 36'11	11 ^h 24'3	3 ^h D48	20 ^h 49'24	24 ^h 24'0	0 ^h 0'0	28 ^h 50	18 ^h 49	10 ^h °54
W 14	1 32 1	21 ^h 7'38	16 ^h 11'13	13 ^h 22'6	6 ^h										

SWISS EPHEMERIS for the year 2499

NOVEMBER 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	2 42 59	8♏57'34	1♌42	2♏21	25♏48	3♏29	16♏19	9°R56	3♏57	20°R42	24♏53	29°R36	27♏50	20♏57	10°R24
M 2	2 46 55	9°57'21	15°45	2°54	26°49	4°11	16°19	9♁51	3°58	20°D42	24°54	29♏34	27°47	21° 4	10♏23
T 3	2 50 52	10°57'10	0♏13	3°21	27°50	4°54	16°R19	9°47	3°59	20♏42	24°56	29°31	27°43	21°10	10°22
W 4	2 54 49	11°57'02	15° 1	3°42	28°50	5°36	16°19	9°42	4° 0	20°42	24°58	29°26	27°40	21°17	10°21
T 5	2 58 45	12°56'55	0♏1	3°56	29°51	6°19	16°19	9°37	4° 1	20°42	25° 0	29°20	27°37	21°24	10°20
F 6	3 2 42	13°56'50	15° 3	4°R 2	0♏50	7° 2	16°18	9°32	4° 3	20°43	25° 1	29°13	27°34	21°31	10°19
S 7	3 6 38	14°56'47	29°59	4° 1	1°50	7°45	16°17	9°28	4° 4	20°43	25° 3	29° 6	27°31	21°37	10°18
S 8	3 10 35	15°56'45	14♏40	3°51	2°49	8°28	16°17	9°23	4° 5	20°43	25° 5	29° 1	27°28	21°44	10°17
M 9	3 14 31	16°56'45	29° 2	3°32	3°47	9°11	16°16	9°18	4° 7	20°43	25° 7	28°58	27°24	21°51	10°17
T 10	3 18 28	17°56'46	13♏0	3° 3	4°45	9°54	16°14	9°13	4° 8	20°44	25° 9	28°D56	27°21	21°58	10°16
W11	3 22 24	18°56'49	26°36	2°25	5°43	10°37	16°13	9° 9	4° 9	20°44	25°11	28°56	27°18	22° 4	10°15
T 12	3 26 21	19°56'54	9♏52	1°37	6°40	11°20	16°11	9° 4	4°11	20°44	25°13	28°57	27°15	22°11	10°15
F 13	3 30 18	20°57'00	22°49	0°40	7°37	12° 3	16° 9	8°59	4°12	20°45	25°15	28°R58	27°12	22°18	10°14
S 14	3 34 14	21°57'07	5♏30	29♏35	8°33	12°47	16° 7	8°55	4°14	20°45	25°17	28°58	27° 8	22°24	10°14
S 15	3 38 11	22°57'17	17°59	28°24	9°29	13°30	16° 5	8°50	4°16	20°45	25°19	28°56	27° 5	22°31	10°14
M16	3 42 7	23°57'27	0♏19	27° 7	10°24	14°14	16° 2	8°46	4°17	20°46	25°21	28°52	27° 2	22°38	10°13
T 17	3 46 4	24°57'40	12°30	25°48	11°18	14°57	16° 0	8°41	4°19	20°46	25°23	28°45	26°59	22°45	10°13
W18	3 50 0	25°57'54	24°34	24°29	12°12	15°41	15°57	8°37	4°21	20°47	25°25	28°35	26°56	22°51	10°13
T 19	3 53 57	26°58'10	6♏33	23°11	13° 6	16°24	15°54	8°32	4°23	20°47	25°27	28°24	26°53	22°58	10°13
F 20	3 57 53	27°58'27	18°28	21°59	13°58	17° 8	15°50	8°28	4°24	20°48	25°29	28°12	26°49	23° 5	10°D13
S 21	4 1 50	28°58'47	0♏20	20°54	14°50	17°52	15°47	8°23	4°26	20°49	25°31	28° 1	26°46	23°11	10°13
S 22	4 5 47	29°59'08	12°12	19°57	15°41	18°35	15°43	8°19	4°28	20°49	25°33	27°50	26°43	23°18	10°13
M23	4 9 43	0♏59'31	24° 5	19°11	16°32	19°19	15°40	8°15	4°30	20°50	25°35	27°42	26°40	23°25	10°13
T 24	4 13 40	1°59'56	6♏3	18°36	17°22	20° 3	15°36	8°11	4°32	20°51	25°37	27°36	26°37	23°32	10°14
W25	4 17 36	3° 0'22	18°10	18°13	18°11	20°47	15°31	8° 7	4°34	20°52	25°39	27°32	26°33	23°38	10°14
T 26	4 21 33	4° 0'50	0♏31	18° 2	18°59	21°31	15°27	8° 3	4°36	20°52	25°41	27°D31	26°30	23°45	10°14
F 27	4 25 29	5° 1'21	13°10	18°D 2	19°46	22°15	15°22	7°59	4°39	20°53	25°44	27°31	26°27	23°52	10°15
S 28	4 29 26	6° 1'52	26°12	18°13	20°33	22°59	15°18	7°55	4°41	20°54	25°46	27°R32	26°24	23°59	10°15
S 29	4 33 22	7° 2'26	9♏42	18°33	21°18	23°44	15°13	7°51	4°43	20°55	25°48	27°31	26°21	24° 5	10°16
M30	4 37 19	8♏3'02	23♏41	19♏3	22♏3	24♏28	15♏8	7♏47	4♏45	20♏56	25♏50	27♏28	26♏18	24♏12	10♏16

Delta T = 23m32s

DECEMBER 2499

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	4 41 16	9♏3'39	8♏10	19♏41	22♏47	25♏12	15°R 2	7°R43	4♏48	20♏57	25♏52	27°R23	26♏14	24♏19	10♏17
W 2	4 45 12	10° 4'17	23° 4	20°26	23°29	25°57	14♏57	7♏40	4°50	20°58	25°55	27♏15	26°11	24°25	10°18
T 3	4 49 9	11° 4'58	8♏16	21°18	24°11	26°41	14°51	7°36	4°52	20°59	25°57	27° 5	26° 8	24°32	10°18
F 4	4 53 5	12° 5'39	23°36	22°15	24°51	27°26	14°46	7°32	4°55	21° 0	25°59	26°54	26° 5	24°39	10°19
S 5	4 57 2	13° 6'22	8♏52	23°17	25°30	28°10	14°40	7°29	4°57	21° 1	26° 1	26°43	26° 2	24°46	10°20
S 6	5 0 58	14° 7'07	23°53	24°24	26° 8	28°55	14°34	7°26	5° 0	21° 2	26° 3	26°34	25°59	24°52	10°21
M 7	5 4 55	15° 7'52	8♏31	25°34	26°45	29°39	14°28	7°22	5° 2	21° 3	26° 6	26°27	25°55	24°59	10°22
T 8	5 8 51	16° 8'38	22°41	26°48	27°20	0♏24	14°21	7°19	5° 5	21° 5	26° 8	26°23	25°52	25° 6	10°23
W 9	5 12 48	17° 9'25	6♏23	28° 4	27°54	1° 9	14°15	7°16	5° 8	21° 6	26°10	26°21	25°49	25°13	10°24
T 10	5 16 45	18°10'12	19°39	29°22	28°27	1°54	14° 8	7°13	5°10	21° 7	26°12	26°21	25°46	25°19	10°25
F 11	5 20 41	19°11'01	2♏31	0♏43	28°58	2°39	14° 2	7°10	5°13	21° 8	26°15	26°21	25°43	25°26	10°27
S 12	5 24 38	20°11'51	15° 4	2° 5	29°27	3°23	13°55	7° 7	5°16	21°10	26°17	26°20	25°39	25°33	10°28
S 13	5 28 34	21°12'41	27°23	3°29	29°55	4° 8	13°48	7° 4	5°18	21°11	26°19	26°17	25°36	25°39	10°29
M14	5 32 31	22°13'32	9♏32	4°54	0♏21	4°54	13°41	7° 2	5°21	21°12	26°22	26°11	25°33	25°46	10°31
T 15	5 36 27	23°14'24	21°33	6°20	0°45	5°39	13°34	6°59	5°24	21°14	26°24	26° 1	25°30	25°53	10°32
W16	5 40 24	24°15'17	3♏29	7°47	1° 7	6°24	13°26	6°57	5°27	21°15	26°26	25°49	25°27	26° 0	10°34
T 17	5 44 20	25°16'11	15°23	9°15	1°28	7° 9	13°19	6°54	5°30	21°17	26°28	25°35	25°24	26° 6	10°35
F 18	5 48 17	26°17'06	27°16	10°43	1°47	7°54	13°12	6°52	5°33	21°18	26°31	25°20	25°20	26°13	10°37
S 19	5 52 14	27°18'01	9♏9	12°12	2° 3	8°39	13° 4	6°50	5°35	21°20	26°33	25° 5	25°17	26°20	10°39
S 20	5 56 10	28°18'58	21° 3	13°41	2°18	9°25	12°56	6°48	5°38	21°21	26°35	24°51	25°14	26°26	10°41
M21	6 0 7	29°19'55	3♏0	15°11	2°30	10°10	12°49	6°46	5°41	21°23	26°37	24°40	25°11	26°33	10°42
T 22	6 4 3	0♏20'54	15° 3	16°42	2°40	10°56	12°41	6°44	5°44	21°24	26°40	24°32	25° 8	26°40	10°44
W23	6 8 0	1°21'53	27°13	18°12	2°48	11°41	12°33	6°42	5°48	21°26	26°42	24°27	25° 5	26°47	10°46
T 24	6 11 56	2°22'53	9♏34	19°43	2°53	12°27	12°25	6°41	5°51	21°27	26°44	24°24	25° 1	26°53	10°48
F 25	6 15 53	3°23'54	22°10	21°15	2°57	13°12	12°17	6°39	5°54	21°29	26°47	24°D23	24°58	27° 0	10°50
S 26	6 19 49	4°24'57	5♏7	22°46	2°R57	13°58	12° 9	6°38	5°57	21°31	26°49	24°R23	24°55	27° 7	10°52
S 27	6 23 46	5°26'00	18°27	24°18	2°56	14°43	12° 1	6°36	6° 0	21°32	26°51	24°23	24°52	27°14	10°54
M28	6 27 43	6°27'03	2♏14	25°50	2°52	15°29	11°53	6°35	6° 3	21°34	26°53	24°21	24°49	27°20	10°57
T 29	6 31 39	7°28'08	16°30	27°22	2°45	16°15	11°45	6°34	6° 6	21°36	26°56	24°16	24°45	27°27	10°59
W30	6 35 36	8°29'14	1♏13	28°54	2°36	17° 1	11°37	6°33	6°10	21°38	26°58	24° 8	24°42	27°34	11° 1
T 31	6 39 32	9♏30'20	16♏18	0♏27	2♏24	17♏47	11♏29	6♏32	6♏13	21♏40	27♏0	23♏59	24♏39	27♏40	11♏3

Delta T = 23m33s

created from Swiss Ephemeris, Copyright Astrodienst AG [4.12.2006]