

SWISS EPHEMERIS for the year 1489

JANUARY 1489 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	7 18 24	20° 7' 28"	8° 53'	8° 28'	6° 48'	0° R37	19° 25'	8° 10'	11° 52'	21° 40'	26° 47'	17° 59'	17° 50'	21° 49'	15° 55'
F 2	7 22 21	21° 8' 35"	21° 35'	9° 2'	8° 3'	0° Ω14	19° 36'	8° 17'	11° 56'	21° 42'	26° 47'	17° R59	17° 47'	21° 56'	15° 56'
S 3	7 26 17	22° 9' 42"	4° 5'	9° 27'	9° 18'	29° Ω50	19° 47'	8° 24'	11° 59'	21° 44'	26° 48'	17° 59'	17° 44'	22° 2'	15° 57'
S 4	7 30 14	23° 10' 48"	16° 22'	9° 41'	10° 33'	29° 27'	19° 58'	8° 31'	12° 3'	21° 46'	26° 49'	17° 58'	17° 41'	22° 9'	15° 58'
M 5	7 34 11	24° 11' 53"	28° 28'	9° R44	11° 48'	29° 3'	20° 9'	8° 37'	12° 6'	21° 48'	26° 49'	17° 57'	17° 38'	22° 16'	15° 59'
T 6	7 38 7	25° 12' 57"	10° 27'	9° 35'	13° 3'	28° 39'	20° 20'	8° 44'	12° 10'	21° 50'	26° 50'	17° 56'	17° 34'	22° 23'	16° 0'
W 7	7 42 4	26° 14' 00"	22° 20'	9° 15'	14° 18'	28° 15'	20° 31'	8° 51'	12° 13'	21° 52'	26° 50'	17° 55'	17° 31'	22° 29'	16° 1'
T 8	7 46 0	27° 15' 02"	4° 10'	8° 44'	15° 33'	27° 51'	20° 42'	8° 58'	12° 17'	21° 54'	26° 51'	17° 54'	17° 28'	22° 36'	16° 3'
F 9	7 49 57	28° 16' 03"	16° 3'	8° 1'	16° 48'	27° 26'	20° 54'	9° 5'	12° 20'	21° 56'	26° 51'	17° 53'	17° 25'	22° 43'	16° 4'
S 10	7 53 53	29° 17' 03"	28° 3'	7° 9'	18° 3'	27° 2'	21° 5'	9° 12'	12° 24'	21° 58'	26° 51'	17° D53	17° 22'	22° 49'	16° 5'
S 11	7 57 50	0° 18' 02"	10° 14'	6° 9'	19° 18'	26° 39'	21° 17'	9° 18'	12° 27'	22° 0'	26° 52'	17° 53'	17° 19'	22° 56'	16° 7'
M 12	8 1 46	1° 18' 59"	22° 41'	5° 2'	20° 33'	26° 15'	21° 29'	9° 25'	12° 31'	22° 1'	26° 52'	17° 54'	17° 15'	23° 3'	16° 8'
T 13	8 5 43	2° 19' 56"	5° 11'	3° 50'	21° 48'	25° 51'	21° 40'	9° 32'	12° 34'	22° 3'	26° 52'	17° 55'	17° 12'	23° 9'	16° 10'
W 14	8 9 40	3° 20' 51"	18° 38'	2° 36'	23° 3'	25° 28'	21° 52'	9° 39'	12° 37'	22° 5'	26° 53'	17° 56'	17° 9'	23° 16'	16° 11'
T 15	8 13 36	4° 21' 45"	2° 14'	1° 21'	24° 18'	25° 5'	22° 4'	9° 45'	12° 41'	22° 7'	26° 53'	17° 58'	17° 6'	23° 23'	16° 13'
F 16	8 17 33	5° 22' 38"	16° 14'	0° 9'	25° 33'	24° 43'	22° 16'	9° 52'	12° 44'	22° 9'	26° 53'	17° R58	17° 3'	23° 30'	16° 14'
S 17	8 21 29	6° 23' 29"	0° 37'	29° 3' 0	26° 47'	24° 20'	22° 28'	9° 59'	12° 48'	22° 10'	26° 53'	17° 58'	16° 59'	23° 36'	16° 16'
S 18	8 25 26	7° 24' 19"	15° 18'	27° 56'	28° 2'	23° 59'	22° 41'	10° 5'	12° 51'	22° 12'	26° 53'	17° 56'	16° 56'	23° 43'	16° 18'
M 19	8 29 22	8° 25' 08"	0° 19'	26° 59'	29° 17'	23° 37'	22° 53'	10° 12'	12° 54'	22° 14'	26° 53'	17° 54'	16° 53'	23° 50'	16° 20'
T 20	8 33 19	9° 25' 56"	15° 3'	26° 9'	0° 32'	23° 16'	23° 5'	10° 18'	12° 58'	22° 16'	26° R53	17° 51'	16° 50'	23° 56'	16° 22'
W 21	8 37 15	10° 26' 43"	29° 52'	25° 27'	1° 46'	22° 56'	23° 18'	10° 25'	13° 1'	22° 17'	26° 53'	17° 48'	16° 47'	24° 3'	16° 24'
T 22	8 41 12	11° 27' 29"	14° 28'	24° 53'	3° 1'	22° 36'	23° 30'	10° 31'	13° 4'	22° 19'	26° 53'	17° 45'	16° 44'	24° 10'	16° 26'
F 23	8 45 9	12° 28' 14"	28° 47'	24° 27'	4° 15'	22° 17'	23° 43'	10° 37'	13° 7'	22° 21'	26° 53'	17° 44'	16° 40'	24° 17'	16° 28'
S 24	8 49 5	13° 28' 57"	12° 46'	24° 10'	5° 30'	21° 58'	23° 56'	10° 44'	13° 11'	22° 22'	26° 53'	17° D43	16° 37'	24° 23'	16° 30'
S 25	8 53 2	14° 29' 40"	26° 25'	24° 1'	6° 45'	21° 40'	24° 8'	10° 50'	13° 14'	22° 24'	26° 53'	17° 43'	16° 34'	24° 30'	16° 32'
M 26	8 56 58	15° 30' 22"	9° 45'	23° D59	7° 59'	21° 23'	24° 21'	10° 56'	13° 17'	22° 25'	26° 52'	17° 45'	16° 31'	24° 37'	16° 34'
T 27	9 0 55	16° 31' 03"	22° 47'	24° 4'	9° 14'	21° 6'	24° 34'	11° 2'	13° 20'	22° 27'	26° 52'	17° 47'	16° 28'	24° 43'	16° 36'
W 28	9 4 51	17° 31' 42"	5° 34'	24° 16'	10° 28'	20° 50'	24° 47'	11° 9'	13° 23'	22° 28'	26° 52'	17° 48'	16° 25'	24° 50'	16° 38'
T 29	9 8 48	18° 32' 20"	18° 9'	24° 34'	11° 43'	20° 35'	25° 0'	11° 15'	13° 26'	22° 30'	26° 52'	17° R49	16° 21'	24° 57'	16° 41'
F 30	9 12 45	19° 32' 57"	0° 32'	24° 58'	12° 57'	20° 21'	25° 13'	11° 21'	13° 29'	22° 31'	26° 51'	17° 48'	16° 18'	25° 4'	16° 43'
S 31	9 16 41	20° 33' 33"	12° 46'	25° 32'	14° 12'	20° 7'	25° 26'	11° 32'	13° 32'	22° 33'	26° 51'	17° 45'	16° 15'	25° 10'	16° 46'

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	22s 0'	24s 3'	0s50'	18s 3'	0n 9'	20s 4'	1s30'	24n15'	4n16'	5s19'	1s13'	22s46'	0n29'	23s20'	0s22'	21s59'	1n15'	5n20'	16n48'	22s18'	22s19'	1n 0'	7n 2'	0n49'
F 2	21 50'	21 26'	0n20'	17 39'	0 25'	19 45'	1 30'	24 21'	4 18'	5 15'	1 13'	22 46'	0 29'	23 20'	0 22'	21 59'	1 15'	5 20'	16 48'	22 18'	22 19'	1 3'	7 2'	0 49'
S 3	21 41'	17 52'	1 28'	17 16'	0 42'	19 26'	1 31'	24 27'	4 19'	5 10'	1 13'	22 46'	0 29'	23 20'	0 22'	22 0'	1 15'	5 21'	16 49'	22 18'	22 20'	1 6'	7 3'	0 49'
S 4	21 31'	13 34'	2 31'	16 55'	1 0'	19 6'	1 31'	24 33'	4 20'	5 6'	1 13'	22 45'	0 29'	23 19'	0 22'	22 0'	1 15'	5 21'	16 49'	22 18'	22 20'	1 9'	7 3'	0 49'
M 5	21 20'	8 49'	3 26'	16 37'	1 18'	18 46'	1 32'	24 39'	4 21'	5 1'	1 12'	22 45'	0 29'	23 19'	0 22'	22 0'	1 16'	5 21'	16 50'	22 18'	22 20'	1 12'	7 3'	0 49'
T 6	21 9'	3 47'	4 12'	16 21'	1 36'	18 25'	1 32'	24 45'	4 22'	4 57'	1 12'	22 44'	0 29'	23 19'	0 22'	22 0'	1 16'	5 22'	16 51'	22 18'	22 21'	1 15'	7 3'	0 48'
W 7	20 58'	1n19'	4 46'	16 9'	1 54'	18 4'	1 33'	24 51'	4 23'	4 52'	1 12'	22 44'	0 29'	23 19'	0 22'	22 0'	1 16'	5 22'	16 51'	22 18'	22 21'	1 18'	7 4'	0 48'
T 8	20 46'	6 22'	5 8'	16 0'	2 12'	17 42'	1 33'	24 57'	4 23'	4 48'	1 12'	22 44'	0 29'	23 18'	0 22'	22 0'	1 16'	5 22'	16 52'	22 18'	22 22'	1 21'	7 4'	0 48'
F 9	20 34'	11 12'	5 16'	15 55'	2 29'	17 19'	1 33'	25 2'	4 24'	4 43'	1 12'	22 43'	0 28'	23 18'	0 22'	22 0'	1 16'	5 23'	16 52'	22 18'	22 22'	1 24'	7 5'	0 48'
S 10	20 21'	15 39'	5 12'	15 52'	2 45'	16 56'	1 33'	25 8'	4 24'	4 38'	1 12'	22 43'	0 28'	23 18'	0 22'	22 0'	1 16'	5 23'	16 53'	22 18'	22 23'	1 27'	7 5'	0 48'
S 11	20 9'	19 33'	4 53'	15 54'	2 59'	16 33'	1 33'	25 13'	4 24'	4 34'	1 11'	22 42'	0 28'	23 17'	0 22'	22 0'	1 16'	5 23'	16 53'	22 18'	22 23'	1 30'	7 5'	0 48'
M 12	19 55'	22 41'	4 20'	15 58'	3 12'	16 9'	1 33'	25 17'	4 25'	4 29'	1 11'	22 42'	0 28'	23 17'	0 22'	22 0'	1 16'	5 24'	16 54'	22 18'	22 23'	1 33'	7 6'	0 48'
T 13	19 42'	24 47'	3 34'	16 4'	3 22'	15 45'	1 33'	25 22'	4 25'	4 24'	1 11'	22 42'	0 28'	23 17'	0 22'	22 1'	1 16'	5 24'	16 54'	22 18'	22 24'	1 36'	7 6'	0 48'
W 14	19 28'	25 36'	2 35'	16 14'	3 30'	15 20'	1 33'	25 27'	4 25'	4 19'	1 11'	22 41'	0 28'	23 16'	0 22'	22 1'	1 16'	5 25'	16 55'	22 18'	22 24'	1 39'	7 7'	0 48'
T 15	19 13'	24 55'	1 26'	16 25'	3 35'	14 55'	1 33'	25 31'	4 25'	4 14'	1 11'	22 41'	0 28'	23 16'	0 22'	22 1'	1 16'	5 25'	16 56'	22 18'	22 25'	1 42'	7 7'	0 47'
F 16	18 59'	22 40'	0 10'	16 37'	3 38'	14 30'	1 32'	25 35'	4 25'	4 9'	1 11'	22 40'	0 28'	23 16'	0 22'	22 1'	1 16'	5 26'	16 56'	22 18'	22 25'	1 45'	7 8'	0 47'
S 17	18 44'	18 57'	1s 9'	16 51'	3 39'	14 4'	1 32'	25 38'	4 24'	4 5'	1 11'	22 40'	0 28'	23 15'	0 22'	22 1'	1 16'	5 26'	16 57'	22 18'	22 25'	1 47'	7 8'	0 47'
S 18	18 28'	13 59'	2 25'	17 5'	3 37'	13 37'	1 32'	25 42'	4 24'	4 0'	1 10'	22 39'	0 28'	23 15'	0 22'	22 1'	1 16'	5 27'	16 57'	22 18'	22 26'	1 50'	7 9'	0 47'
M 19	18 13'	8 8'	3 32'	17 20'	3 34'	13 11'	1 31'	25 45'	4 23'	3 55'	1 10'	22 39'	0 28'	23 15'	0 22'	22 1'	1 16'	5 27'	16 58'	22 18'	22 26'	1 53'	7 10'	0 47'
T 20	17 57'	1 50'	4 25'	17 34'	3 28'	12 44'	1 31'	25 48'	4 23'	3 50'	1 10'	22 39'	0 28'	23 15'	0 22'	22 1'	1 16'	5 28'	16 58'	22 19'	22 27'	1 56'	7 10'	0 47'
W 21	17 40'	4s31'	4 59'	17 49'	3 21'	12 16'	1 30'	25 51'	4 22'	3 44'	1 10'	22 38'	0 28'	23 14'	0 22'	22 1'	1 16'	5 28'	16 59'	22 19'	22 27'	1 59'	7 11'	0 47'
T 22	17 24'	10 32'	5 14'	18 3'	3 12'	11 49'	1 29'	25 54'	4 21'	3 39'	1 10'	22 38'	0 28'	23 14'	0 22'	22 1'	1 16'	5 29'	16 59'	22 19'	22 27'	2 2'	7 12'	0 47'
F 23	17 7'	15 52'	5 9'	18 17'	3 3 11'	21 1'	1 28'	25 56'	4 20'	3 34'	1 10'	22 37'	0 28'	23 14'	0 22'	22 1'	1 16'	5 29'	17 0'	22 20'	22 28'	2 5'	7 12'	0 46'
S 24	16 49'	20 14'	4 45'	18 30'	2 53'	10 53'	1 28'	25 58'	4 19'	3 29'	1 10'	22 37'	0 28'	23 13'	0 22'	22 1'	1 16'	5 30'	17 0'	22 20'	22 28'	2 8'	7 13'	0 46'
S 25	16 32'	23 23'	4 6'	18 43'	2 42'	10 24'	1 27'	26 0'	4 18'	3 24'	1 10'	22 36'	0 28'	23 13'	0 22'	22 1'	1 16'	5 30'	17 1'	22 20'	22 29'	2 11'	7 14'	0 46'
M 26	16 14'	25 10'	3 14'	18 54'	2 30'	9 55'	1 26'	26 2'	4 17'	3 19'	1 9'	22 36'	0 28'	23 13'	0 22'	22 2'	1 16'	5 31'	17 2'	22 20'	22 29'	2 14'	7 14'	0 46'
T 27	15 56'	25 31'	2 13'	19 5'	2 18'	9 26'	1 25'	26 4'	4 16'															

SWISS EPHEMERIS for the year 1489

FEBRUARY 1489 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	9 20 38	21°34'06	24°52	26°2	15°26	19°R54	25°40	11°33	13°35	22°34	26°R51	17°R41	16°312	25°17	16°Y48
M 2	9 24 34	22°34'39	6°52	26°40	16°40	19°S42	25°53	11°39	13°38	22°35	26°50	17°35	16° 9	25°24	16°50
T 3	9 28 31	23°35'09	18°47	27°23	17°55	19°30	26° 6	11°45	13°41	22°37	26°50	17°28	16° 5	25°30	16°53
W 4	9 32 27	24°35'38	0°Y39	28°10	19° 9	19°20	26°20	11°50	13°44	22°38	26°49	17°21	16° 2	25°37	16°56
T 5	9 36 24	25°36'05	12°30	29° 0	20°23	19°10	26°33	11°56	13°47	22°39	26°49	17°14	15°59	25°44	16°58
F 6	9 40 20	26°36'30	24°23	29°54	21°37	19° 1	26°47	12° 2	13°50	22°41	26°48	17° 8	15°56	25°51	17° 1
S 7	9 44 17	27°36'53	6°821	0°50	22°51	18°52	27° 0	12° 8	13°53	22°42	26°47	17° 4	15°53	25°57	17° 4
S 8	9 48 13	28°37'14	18°29	1°50	24° 5	18°45	27°14	12°13	13°56	22°43	26°47	17° 2	15°50	26° 4	17° 6
M 9	9 52 10	29°37'34	0°II51	2°52	25°19	18°38	27°27	12°19	13°58	22°44	26°46	17°D 1	15°46	26°11	17° 9
T 10	9 56 7	0°X3751	13°31	3°56	26°33	18°33	27°41	12°24	14° 1	22°45	26°45	17° 2	15°43	26°17	17°12
W 11	10 0 3	1°38'07	26°35	5° 3	27°47	18°28	27°55	12°30	14° 4	22°46	26°45	17° 3	15°40	26°24	17°15
T 12	10 4 0	2°38'20	10°5	6°12	29° 1	18°23	28° 9	12°35	14° 6	22°48	26°44	17°R 4	15°37	26°31	17°18
F 13	10 7 56	3°38'31	24° 3	7°23	0°Y15	18°20	28°22	12°40	14° 9	22°49	26°43	17° 4	15°34	26°38	17°21
S 14	10 11 53	4°38'40	8°29	8°36	1°29	18°17	28°36	12°46	14°12	22°50	26°42	17° 3	15°30	26°44	17°24
S 15	10 15 49	5°38'48	23°20	9°50	2°43	18°15	28°50	12°51	14°14	22°51	26°41	16°59	15°27	26°51	17°27
M 16	10 19 46	6°38'53	8°28	11° 7	3°57	18°14	29° 4	12°56	14°17	22°51	26°40	16°52	15°24	26°58	17°30
T 17	10 23 42	7°38'56	23°44	12°25	5°10	18°D14	29°18	13° 1	14°19	22°52	26°39	16°45	15°21	27° 4	17°33
W 18	10 27 39	8°38'57	8°56	13°44	6°24	18°14	29°32	13° 6	14°22	22°53	26°38	16°37	15°18	27°11	17°36
T 19	10 31 36	9°38'57	23°54	15° 5	7°37	18°15	29°46	13°11	14°24	22°54	26°38	16°29	15°15	27°18	17°39
F 20	10 35 32	10°38'55	8°31	16°28	8°51	18°17	0°Y 0	13°16	14°26	22°55	26°36	16°23	15°11	27°25	17°42
S 21	10 39 29	11°38'52	22°42	17°52	10° 4	18°19	0°14	13°21	14°29	22°56	26°35	16°19	15° 8	27°31	17°45
S 22	10 43 25	12°38'47	6°26	19°17	11°18	18°22	0°29	13°25	14°31	22°56	26°34	16°18	15° 5	27°38	17°48
M 23	10 47 22	13°38'40	19°44	20°44	12°31	18°26	0°43	13°30	14°33	22°57	26°33	16°D18	15° 2	27°45	17°52
T 24	10 51 18	14°38'32	2°39	22°12	13°45	18°31	0°57	13°34	14°35	22°58	26°32	16°18	14°59	27°52	17°55
W 25	10 55 15	15°38'21	15°15	23°42	14°58	18°36	1°11	13°39	14°38	22°59	26°31	16°R19	14°56	27°58	17°58
T 26	10 59 11	16°38'10	27°37	25°12	16°11	18°42	1°25	13°43	14°40	22°59	26°30	16°18	14°52	28° 5	18° 2
F 27	11 3 8	17°37'56	9°47	26°44	17°24	18°48	1°40	13°48	14°42	23° 0	26°29	16°16	14°49	28°12	18° 5
S 28	11 7 5	18°37'40	21°49	28°18	18°Y37	18°S55	1°Y54	13°S52	14°S44	23°Y 0	26°S27	16°S10	14°S46	28°Y18	18°Y 8

Day	☉		☽		♀		♁		♂		♃		♅		♁		♁		♁		♁			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
S 1	14s21	10s18	3n 8	19s43	1n18	6s58	1s18	26n 8	4n 9	2s47	1s 9	22s33	0n27	23s11	0s22	22s 2	1n16	5n35	17n 5	22s20	22s31	2n32	7n19	0n45
M 2	14 2	5 22	3 56	19 48	1 6	6 27	1 17	26 9	4 8	2 42	1 9	22 32	0 27	23 10	0 23	22 2	1 16	5 35	17 5	22 21	22 32	2 35	7 20	0 45
T 3	13 42	0 16	4 32	19 51	0 55	5 57	1 15	26 9	4 6	2 36	1 9	22 32	0 27	23 10	0 23	22 2	1 16	5 36	17 6	22 22	22 32	2 38	7 21	0 45
W 4	13 22	4n48	4 57	19 53	0 43	5 26	1 14	26 9	4 5	2 31	1 8	22 32	0 27	23 10	0 23	22 2	1 16	5 36	17 6	22 23	22 32	2 41	7 22	0 45
T 5	13 1	9 41	5 9	19 53	0 32	4 55	1 12	26 8	4 3	2 25	1 8	22 31	0 27	23 10	0 23	22 2	1 16	5 37	17 7	22 24	22 33	2 44	7 23	0 45
F 6	12 41	14 14	5 7	19 53	0 22	4 24	1 10	26 8	4 1	2 20	1 8	22 31	0 27	23 10	0 23	22 2	1 16	5 38	17 7	22 24	22 33	2 47	7 24	0 45
S 7	12 20	18 16	4 53	19 51	0 11	3 53	1 8	26 8	4 0	2 14	1 8	22 30	0 27	23 9	0 23	22 2	1 16	5 38	17 8	22 25	22 34	2 50	7 24	0 45
S 8	11 59	21 37	4 25	19 48	0 1	3 22	1 7	26 7	3 58	2 9	1 8	22 30	0 27	23 9	0 23	22 2	1 16	5 39	17 8	22 25	22 34	2 53	7 25	0 45
M 9	11 38	24 2	3 44	19 43	0s 9	2 51	1 5	26 6	3 56	2 3	1 8	22 29	0 27	23 9	0 23	22 2	1 16	5 40	17 9	22 25	22 34	2 56	7 26	0 45
T 10	11 17	25 19	2 51	19 37	0 19	2 20	1 3	26 5	3 54	1 58	1 8	22 29	0 27	23 9	0 23	22 2	1 16	5 41	17 9	22 25	22 35	2 58	7 27	0 44
W 11	10 55	25 16	1 49	19 30	0 28	1 48	1 1	26 4	3 52	1 52	1 8	22 28	0 27	23 8	0 23	22 2	1 16	5 41	17 10	22 25	22 35	3 1	7 28	0 44
T 12	10 34	23 45	0 38	19 22	0 37	1 17	0 59	26 3	3 50	1 47	1 8	22 28	0 27	23 8	0 23	22 2	1 16	5 42	17 10	22 25	22 35	3 4	7 29	0 44
F 13	10 12	20 45	0s38	19 12	0 45	0 46	0 56	26 1	3 49	1 41	1 8	22 27	0 27	23 8	0 23	22 2	1 16	5 43	17 11	22 25	22 36	3 7	7 30	0 44
S 14	9 50	16 22	1 53	19 1	0 53	0 14	0 54	26 0	3 47	1 35	1 8	22 27	0 27	23 7	0 23	22 2	1 17	5 43	17 11	22 25	22 36	3 10	7 31	0 44
S 15	9 28	10 54	3 3	18 49	1 1	0n17	0 52	25 58	3 45	1 30	1 8	22 26	0 27	23 7	0 23	22 2	1 17	5 44	17 12	22 26	22 37	3 13	7 33	0 44
M 16	9 6	4 42	4 1	18 35	1 9	0 49	0 50	25 56	3 43	1 24	1 8	22 26	0 27	23 7	0 23	22 2	1 17	5 45	17 12	22 26	22 37	3 16	7 34	0 44
T 17	8 43	1s49	4 42	18 20	1 16	1 20	0 47	25 55	3 41	1 19	1 7	22 26	0 27	23 7	0 23	22 2	1 17	5 46	17 12	22 27	22 37	3 19	7 35	0 44
W 18	8 21	8 12	5 4	18 4	1 22	1 52	0 45	25 53	3 39	1 13	1 7	22 25	0 27	23 7	0 23	22 2	1 17	5 46	17 13	22 28	22 38	3 22	7 36	0 44
T 19	7 58	14 0	5 4	17 46	1 29	2 23	0 42	25 51	3 37	1 7	1 7	22 25	0 27	23 6	0 23	22 2	1 17	5 47	17 13	22 29	22 38	3 25	7 37	0 44
F 20	7 36	18 51	4 44	17 27	1 35	2 54	0 40	25 48	3 35	1 2	1 7	22 24	0 27	23 6	0 23	22 2	1 17	5 48	17 14	22 30	22 38	3 28	7 38	0 43
S 21	7 13	22 29	4 7	17 7	1 40	3 26	0 37	25 46	3 33	0 56	1 7	22 24	0 26	23 6	0 23	22 2	1 17	5 48	17 14	22 30	22 39	3 31	7 39	0 43
S 22	6 50	24 41	3 17	16 45	1 46	3 57	0 35	25 44	3 31	0 50	1 7	22 23	0 26	23 6	0 23	22 2	1 17	5 49	17 15	22 31	22 39	3 34	7 40	0 43
M 23	6 27	25 23	2 17	16 22	1 50	4 28	0 32	25 41	3 29	0 44	1 7	22 23	0 26	23 5	0 23	22 2	1 17	5 50	17 15	22 31	22 39	3 36	7 41	0 43
T 24	6 4	24 41	1 13	15 57	1 55	4 59	0 29	25 39	3 27	0 39	1 7	22 22	0 26	23 5	0 23	22 2	1 17	5 51	17 15	22 30	22 40	3 39	7 43	0 43
W 25	5 41	22 44	0 6	15 32	1 59	5 30	0 27	25 36	3 26	0 33	1 7	22 22	0 26	23 5	0 23	22 2	1 17	5 51	17 16	22 30	22 40	3 42	7 44	0 43
T 26	5 17	19 43	1n 0	15 5	2 2	6 1	0 24	25 34	3 24	0 27	1 7	22 22	0 26	23 5	0 23	22 2	1 17	5 52	17 16	22 30	22 40	3 45	7 45	0 43
F 27	4 54	15 54	2 2	14 36	2 6	6 32	0 21	25 31	3 22	0 22	1 7	22 21	0 26	23 5	0 23	22 2	1 17	5 53	17 16	22 31	22 41	3 48	7 46	0 43
S 28	4s31	11s28	2n57	14s 6	2s 8	7n 2	0s18	25n28	3n20	0s16	1s 7	22s21	0n26	23s 4	0s23	22s 2	1n17	5n54	17n17	22s31	22s41	3n51	7n47	0n43

Julian Day Number = 2264946.5, Delta T = 209.15 sec

Ecliptic obliquity = 23°30'23, Nutation = 0°00'18

Ayanamsha: Fagan/Bradley = 17°36'43, Lahiri = 16°43'43 Julian Calendar 1 Feb. 1489 == Greg. Calendar 10 Feb. 1489

SWISS EPHEMERIS for the year 1489

MARCH 1489 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	11 11 1	19°37'23	3°46	29°52	19°50	19°3	2°8	13°56	14°46	23°1	26°26	16°R 2	14°43	28°25	18°12
M 2	11 14 58	20°37'03	15°40	1°28	21° 3	19°11	2°23	14° 0	14°48	23° 1	26°25	15°31	14°40	28°32	18°15
T 3	11 18 54	21°36'42	27°32	3° 5	22°16	19°20	2°37	14° 4	14°50	23° 2	26°24	15°39	14°36	28°39	18°19
W 4	11 22 51	22°36'18	9°24	4°43	23°29	19°30	2°51	14° 8	14°52	23° 2	26°22	15°26	14°33	28°45	18°22
T 5	11 26 47	23°35'52	21°16	6°23	24°42	19°40	3° 6	14°12	14°53	23° 3	26°21	15°13	14°30	28°52	18°26
F 6	11 30 44	24°35'25	3°12	8° 4	25°55	19°51	3°20	14°16	14°55	23° 3	26°20	15° 2	14°27	28°59	18°29
S 7	11 34 40	25°34'55	15°13	9°46	27° 8	20° 2	3°35	14°20	14°57	23° 3	26°18	14°53	14°24	29° 5	18°33
S 8	11 38 37	26°34'22	27°23	11°29	28°20	20°14	3°49	14°23	14°59	23° 4	26°17	14°46	14°21	29°12	18°36
M 9	11 42 34	27°33'48	9°43	13°14	29°33	20°26	4° 4	14°27	15° 0	23° 4	26°15	14°43	14°17	29°19	18°40
T 10	11 46 30	28°33'11	22°20	15° 0	0°45	20°39	4°18	14°30	15° 2	23° 4	26°14	14°41	14°14	29°26	18°43
W 11	11 50 27	29°32'32	5°17	16°48	1°58	20°52	4°32	14°34	15° 3	23° 4	26°13	14°D41	14°11	29°32	18°47
T 12	11 54 23	0°31'50	18°38	18°36	3°10	21° 6	4°47	14°37	15° 5	23° 4	26°11	14°R41	14° 8	29°39	18°51
F 13	11 58 20	1°31'07	2°27	20°26	4°22	21°20	5° 1	14°40	15° 6	23° 5	26°10	14°40	14° 5	29°46	18°54
S 14	12 2 16	2°30'20	16°44	22°18	5°35	21°35	5°16	14°43	15° 8	23° 5	26° 8	14°37	14° 2	29°52	18°58
S 15	12 6 13	3°29'32	1°28	24°11	6°47	21°50	5°30	14°47	15° 9	23° 5	26° 7	14°31	13°58	29°59	19° 2
M 16	12 10 9	4°28'41	16°34	26° 5	7°59	22° 6	5°45	14°49	15°10	23°R 5	26° 5	14°23	13°55	0°Y 6	19° 5
T 17	12 14 6	5°27'48	1°53	28° 0	9°11	22°22	5°59	14°52	15°12	23° 5	26° 4	14°13	13°52	0°13	19° 9
W 18	12 18 2	6°26'52	17°14	29°57	10°23	22°39	6°14	14°55	15°13	23° 5	26° 2	14° 2	13°49	0°19	19°13
T 19	12 21 59	7°25'55	2°25	1°Y55	11°34	22°56	6°28	14°58	15°14	23° 5	26° 0	13°51	13°46	0°26	19°16
F 20	12 25 56	8°24'56	17°15	3°55	12°46	23°13	6°43	15° 0	15°15	23° 4	25°59	13°42	13°42	0°33	19°20
S 21	12 29 52	9°23'55	1°39	5°56	13°58	23°31	6°57	15° 3	15°16	23° 4	25°57	13°36	13°39	0°39	19°24
S 22	12 33 49	10°22'53	15°33	7°57	15° 9	23°49	7°12	15° 5	15°17	23° 4	25°56	13°32	13°36	0°46	19°28
M 23	12 37 45	11°21'49	28°58	10° 0	16°21	24° 8	7°26	15° 8	15°18	23° 4	25°54	13°31	13°33	0°53	19°31
T 24	12 41 42	12°20'43	11°56	12° 4	17°32	24°27	7°41	15°10	15°19	23° 4	25°52	13°30	13°30	1° 0	19°35
W 25	12 45 38	13°19'35	24°31	14° 9	18°44	24°46	7°55	15°12	15°20	23° 3	25°51	13°30	13°27	1° 6	19°39
T 26	12 49 35	14°18'25	6°49	16°15	19°55	25° 6	8°10	15°14	15°21	23° 3	25°49	13°29	13°23	1°13	19°43
F 27	12 53 31	15°17'14	18°54	18°21	21° 6	25°26	8°24	15°16	15°21	23° 3	25°47	13°26	13°20	1°20	19°47
S 28	12 57 28	16°16'01	0°51	20°27	22°17	25°46	8°38	15°18	15°22	23° 2	25°46	13°20	13°17	1°26	19°50
S 29	13 1 25	17°14'45	12°43	22°33	23°28	26° 7	8°53	15°20	15°23	23° 2	25°44	13°11	13°14	1°33	19°54
M 30	13 5 21	18°13'28	24°34	24°40	24°39	26°28	9° 7	15°21	15°23	23° 2	25°42	12°59	13°11	1°40	19°58
T 31	13 9 18	19°12'10	6°25	26°45	25°50	26°50	9°Y22	15°23	15°24	23° 1	25°41	12°56	13° 7	1°Y47	20°Y 2

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	4s 7	6s40	3n45	13s35	2s11	7n33	0s15	25n25	3n18	0s10	1s 7	22s20	0n26	23s 4	0s23	22s 2	1n17	5n54	17n17	22s32	22s42	3n54	7n49	0n43
M 2	3 44	1 39	4 21	13 3	2 13	8 3	0 12	25 22	3 16	0 4	1 7	22 20	0 26	23 4	0 23	22 2	1 17	5 55	17 17	22 34	22 42	3 57	7 50	0 42
T 3	3 20	3n24	4 47	12 29	2 14	8 33	0 9	25 19	3 14	0n 1	1 7	22 20	0 26	23 4	0 23	22 2	1 17	5 56	17 18	22 35	22 42	4 0	7 51	0 42
W 4	2 57	8 19	5 0	11 54	2 15	9 3	0 6	25 15	3 12	0 7	1 7	22 19	0 26	23 4	0 23	22 2	1 17	5 57	17 18	22 37	22 43	4 3	7 52	0 42
T 5	2 33	12 57	5 0	11 18	2 16	9 33	0 3	25 12	3 10	0 13	1 7	22 19	0 26	23 3	0 23	22 2	1 17	5 57	17 18	22 38	22 43	4 6	7 54	0 42
F 6	2 9	17 6	4 47	10 40	2 16	10 2	0 0	25 9	3 9	0 19	1 7	22 19	0 26	23 3	0 23	22 2	1 17	5 58	17 19	22 39	22 43	4 8	7 55	0 42
S 7	1 46	20 36	4 21	10 1	2 16	10 31	0n 3	25 5	3 7	0 24	1 7	22 18	0 26	23 3	0 23	22 2	1 17	5 59	17 19	22 40	22 44	4 11	7 56	0 42
S 8	1 22	23 15	3 43	9 21	2 15	11 0	0 6	25 1	3 5	0 30	1 7	22 18	0 26	23 3	0 23	22 2	1 17	6 0	17 19	22 41	22 44	4 14	7 57	0 42
M 9	0 58	24 50	2 56	8 40	2 14	11 29	0 9	24 58	3 3	0 36	1 7	22 17	0 26	23 3	0 23	22 2	1 17	6 0	17 20	22 42	22 44	4 17	7 59	0 42
T 10	0 35	25 12	1 54	7 57	2 12	11 57	0 12	24 54	3 1	0 42	1 7	22 17	0 26	23 3	0 23	22 2	1 17	6 0	17 20	22 42	22 45	4 20	8 0	0 42
W 11	0 11	24 14	0 50	7 13	2 10	12 26	0 15	24 50	2 59	0 48	1 6	22 17	0 26	23 2	0 23	22 2	1 17	6 2	17 20	22 42	22 45	4 23	8 1	0 42
T 12	0n13	21 52	0s21	6 28	2 7	12 54	0 18	24 46	2 58	0 53	1 6	22 16	0 26	23 2	0 23	22 2	1 17	6 3	17 20	22 42	22 45	4 26	8 3	0 42
F 13	0 36	18 10	1 33	5 42	2 4	13 21	0 22	24 42	2 56	0 59	1 6	22 16	0 26	23 2	0 23	22 2	1 17	6 3	17 21	22 42	22 46	4 29	8 4	0 41
S 14	1 0	13 19	2 41	4 54	2 0	13 48	0 25	24 38	2 54	1 5	1 6	22 16	0 26	23 2	0 23	22 2	1 17	6 4	17 21	22 42	22 46	4 31	8 5	0 41
S 15	1 24	7 33	3 40	4 5	1 56	14 15	0 28	24 34	2 52	1 11	1 6	22 16	0 26	23 2	0 23	22 2	1 18	6 5	17 21	22 43	22 46	4 34	8 6	0 41
M 16	1 47	1 14	4 26	3 16	1 51	14 42	0 31	24 30	2 51	1 16	1 6	22 15	0 26	23 2	0 24	22 2	1 18	6 6	17 21	22 44	22 47	4 37	8 8	0 41
T 17	2 11	5s14	4 54	2 25	1 46	15 8	0 34	24 25	2 49	1 22	1 6	22 15	0 26	23 2	0 24	22 2	1 18	6 6	17 22	22 45	22 47	4 40	8 9	0 41
W 18	2 34	11 24	5 0	1 33	1 40	15 34	0 38	24 21	2 47	1 28	1 6	22 15	0 26	23 2	0 24	22 2	1 18	6 7	17 22	22 46	22 47	4 43	8 10	0 41
T 19	2 57	16 48	4 45	0 40	1 34	16 0	0 41	24 16	2 46	1 34	1 6	22 14	0 26	23 1	0 24	22 2	1 18	6 8	17 22	22 47	22 48	4 46	8 12	0 41
F 20	3 21	21 2	4 11	0n14	1 27	16 25	0 44	24 12	2 44	1 39	1 6	22 14	0 26	23 1	0 24	22 2	1 18	6 8	17 22	22 48	22 48	4 49	8 13	0 41
S 21	3 44	23 51	3 22	1 9	1 19	16 50	0 47	24 7	2 42	1 45	1 6	22 14	0 25	23 1	0 24	22 2	1 18	6 9	17 22	22 49	22 48	4 52	8 14	0 41
S 22	4 7	25 4	2 22	2 4	1 11	17 14	0 50	24 2	2 41	1 51	1 6	22 14	0 25	23 1	0 24	22 2	1 18	6 10	17 22	22 49	22 49	4 54	8 16	0 41
M 23	4 30	24 46	1 16	3 0	1 3	17 38	0 54	23 57	2 39	1 57	1 6	22 13	0 25	23 1	0 24	22 2	1 18	6 11	17 23	22 49	22 49	4 57	8 17	0 41
T 24	4 54	23 6	0 8	3 57	0 54	18 1	0 57	23 52	2 37	2 2	1 6	22 13	0 25	23 1	0 24	22 2	1 18	6 11	17 23	22 49	22 49	5 0	8 19	0 41
W 25	5 16	20 20	0n58	4 54	0 45	18 24	1 0	23 47	2 36	2 8	1 6	22 13	0 25	23 1	0 24	22 2	1 18	6 12	17 23	22 49	22 50	5 3	8 20	0 40
T 26	5 39	16 41	2 0	5 52	0 35	18 47	1 3	23 42	2 34	2 14	1 6	22 13	0 25	23 1	0 24	22 2	1 18	6 13	17 23	22 49	22 50	5 6	8 21	0 40
F 27	6 2	12 25	2 55	6 49	0 25	19 9	1 6	23 37	2 33	2 19	1 6	22 13	0 25	23 1	0 24	22 2	1 18	6 13	17 23	22 50	22 50	5 9	8 23	0 40
S 28	6 25	7 44	3 42	7 47	0 15	19 31	1 9	23 32	2 31	2 25	1 6	22 13	0 25	23 1	0 24	22 2	1 18	6 14	17 23	22 50	22 50	5 12	8 24	0 40
S 29	6 47	2 49	4 19	8 44	0 5	19 52	1 13	23 26	2 30	2 31	1 6	22 12	0 25	23 1	0									

SWISS EPHEMERIS for the year 1489

APRIL 1489 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
W 1	13 13 14	20°10'49"	18°19'	28°50'	27°8' 1	27°51'11"	9°36'	15°24'	15°24'	23°R 1	25°R39	12°R31	13°3' 4	1°53'	20°Y 6
T 2	13 17 11	21° 9'26"	08°16'	08°54'	28°12'	27°34'	9°50'	15°26'	15°25'	23°R 0	25°R37	12°R17	13° 1	2° 0	20° 9
F 3	13 21 7	22° 8'02"	12°19'	2°56'	29°22'	27°56'	10° 5	15°27'	15°25'	23° 0	25°36'	12° 5	12°58'	2° 7	20°13
S 4	13 25 4	23° 6'35"	24°28'	4°57'	0II33	28°19'	10°19'	15°28'	15°26'	22°59'	25°34'	11°55'	12°55'	2°14	20°17
S 5	13 29 0	24° 5'06"	6II45	6°55'	1°43'	28°42'	10°33'	15°29'	15°26'	22°58'	25°32'	11°47'	12°52'	2°20	20°21
M 6	13 32 57	25° 3'36"	19°13'	8°52'	2°53'	29° 5	10°47'	15°30'	15°26'	22°58'	25°31'	11°43'	12°48'	2°27	20°24
T 7	13 36 54	26° 2'03"	18°54'	10°45'	4° 3	29°28'	11° 2	15°31'	15°26'	22°57'	25°29'	11°41'	12°45'	2°34	20°28
W 8	13 40 50	27° 0'28"	14°51'	12°35'	5°13'	29°52'	11°16'	15°32'	15°27'	22°56'	25°27'	11°D41	12°42'	2°40	20°32
T 9	13 44 47	27°58'51"	28° 9	14°23'	6°23'	0II16	11°30'	15°33'	15°27'	22°56'	25°25'	11°R41	12°39'	2°47	20°36
F 10	13 48 43	28°57'12"	11II49	16° 6	7°33'	0°41'	11°44'	15°33'	15°R27	22°55'	25°24'	11°41'	12°36'	2°54	20°40
S 11	13 52 40	29°55'30"	25°55'	17°46'	8°43'	1° 5	11°58'	15°34'	15°27'	22°54'	25°22'	11°38'	12°33'	3° 1	20°43
S 12	13 56 36	08°53'46"	10II24	19°23'	9°53'	1°30'	12°12'	15°34'	15°27'	22°53'	25°20'	11°33'	12°29'	3° 7	20°47
M13	14 0 33	1°52'01"	25°15'	20°55'	11° 2	1°55'	12°26'	15°34'	15°27'	22°52'	25°19'	11°26'	12°26'	3°14	20°51
T 14	14 4 29	2°50'13"	10II20	22°24'	12°11'	2°21'	12°40'	15°35'	15°26'	22°52'	25°17'	11°17'	12°23'	3°21	20°55
W15	14 8 26	3°48'23"	25°31'	23°48'	13°21'	2°46'	12°54'	15°35'	15°26'	22°51'	25°15'	11° 7	12°20'	3°27	20°58
T 16	14 12 23	4°46'32"	10III37	25° 8	14°30'	3°12'	13° 8	15°R35	15°26'	22°50'	25°14'	10°58'	12°17'	3°34	21° 2
F 17	14 16 19	5°44'39"	25°27'	26°23'	15°39'	3°38'	13°22'	15°35'	15°26'	22°49'	25°12'	10°50'	12°13'	3°41	21° 6
S 18	14 20 16	6°42'45"	9°R54	27°35'	16°48'	4° 4	13°36'	15°34'	15°25'	22°48'	25°10'	10°44'	12°10'	3°48	21° 9
S 19	14 24 12	7°40'48"	23°54'	28°41'	17°56'	4°31'	13°50'	15°34'	15°25'	22°47'	25° 9	10°41'	12° 7	3°54	21°13
M20	14 28 9	8°38'51"	7°R25	29°44'	19° 5	4°57'	14° 4	15°34'	15°24'	22°46'	25° 7	10°D39	12° 4	4° 1	21°17
T 21	14 32 5	9°36'52"	20°29'	0II41	20°13'	5°24'	14°18'	15°33'	15°24'	22°45'	25° 5	10°40'	12° 1	4° 8	21°20
W22	14 36 2	10°34'52"	3°R 9	1°34'	21°22'	5°51'	14°31'	15°33'	15°23'	22°44'	25° 4	10°40'	11°58'	4°15	21°24
T 23	14 39 58	11°32'50"	15°29'	2°22'	22°30'	6°19'	14°45'	15°32'	15°23'	22°43'	25° 2	10°R41	11°54'	4°21	21°28
F 24	14 43 55	12°30'47"	27°35'	3° 5	23°38'	6°46'	14°59'	15°31'	15°22'	22°42'	25° 1	10°39'	11°51'	4°28	21°31
S 25	14 47 52	13°28'42"	9°R32	3°44'	24°46'	7°14'	15°12'	15°31'	15°22'	22°40'	24°59'	10°36'	11°48'	4°35	21°35
S 26	14 51 48	14°26'37"	21°24'	4°17'	25°54'	7°42'	15°26'	15°30'	15°21'	22°39'	24°57'	10°30'	11°45'	4°41	21°39
M27	14 55 45	15°24'30"	3°Y14	4°46'	27° 1	8°10'	15°39'	15°29'	15°20'	22°38'	24°56'	10°23'	11°42'	4°48	21°42
T 28	14 59 41	16°22'21"	15° 8	5°10'	28° 9	8°38'	15°53'	15°27'	15°19'	22°37'	24°54'	10°13'	11°39'	4°55	21°46
W29	15 3 38	17°20'11"	27° 6	5°28'	29°16'	9° 6	16° 6	15°26'	15°18'	22°36'	24°53'	10° 3	11°35'	5° 2	21°49
T 30	15 7 34	18°18'00"	9°R10	5°II42	0°R23	9°II35	16°Y19	15°R25	15°R17	22°R34	24°R51	9°R53	11°R32	5°Y 8	21°Y53

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	♅									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	7n55	11n47	4n58	11n32	0n28	20n52	1n22	23n 9	2n25	2n48	1s 7	22s12	0n25	23s 1	0s24	22s 1	1n18	6n17	17n23	22s55	22s52	5n23	8n29	0n40
T 2	8 17 16	3 4 45	12 26	0 39 21	11 1	1 25 23	3 2 24	2 53	1 7 22	12 0	25 23	1 0 24	22 1	1 18	6 17	17 23	22 56	22 52	5 26	8 31	0 40			
F 3	8 39 19	4 20	13 19	0 50 21	30 1	1 28 22	57 2 22	2 59	1 7 22	12 0	25 23	1 0 24	22 1	1 18	6 18	17 23	22 57	22 52	5 29	8 32	0 40			
S 4	9 0 22	31 3 42	14 10	1 1 21	48 1	1 31 22	51 2 21	3 4	1 7 22	12 0	25 23	1 0 24	22 1	1 18	6 18	17 23	22 58	22 53	5 31	8 34	0 40			
S 5	9 22 24	2 53	14 59	1 12 22	5 1	1 34 22	45 2 19	3 10	1 7 22	12 0	25 23	1 0 24	22 1	1 18	6 19	17 23	22 59	22 53	5 34	8 35	0 40			
M 6	9 44 25	0 1 56	15 47	1 22 22	22 1	1 36 22	39 2 18	3 16	1 7 22	11 0	25 23	1 0 24	22 1	1 18	6 20	17 23	22 59	22 53	5 37	8 36	0 40			
T 7	10 5 24	21 0 52	16 33	1 32 22	39 1	1 39 22	32 2 16	3 21	1 7 22	11 0	25 23	1 0 24	22 1	1 18	6 20	17 23	22 59	22 54	5 40	8 38	0 39			
W 8	10 26 22	24 0s17	17 16	1 41 22	54 1	1 42 22	26 2 15	3 27	1 7 22	11 0	25 23	1 0 24	22 1	1 18	6 21	17 23	22 59	22 54	5 43	8 39	0 39			
T 9	10 47 19	11 1 26	17 57	1 50 23	9 1	1 45 22	19 2 14	3 32	1 7 22	11 0	25 23	1 0 24	22 1	1 18	6 21	17 23	22 59	22 54	5 46	8 40	0 39			
F 10	11 8 14	51 2 33	18 35	1 58 23	24 1	1 48 22	13 2 12	3 38	1 7 22	11 0	25 23	1 0 24	22 1	1 18	6 22	17 23	23 0	22 54	5 48	8 42	0 39			
S 11	11 29 9	36 3 32	19 12	2 6 23	38 1	1 50 22	6 2 11	3 43	1 7 22	11 0	25 23	1 0 24	22 1	1 18	6 22	17 23	23 0	22 55	5 51	8 43	0 39			
S 12	11 49 3 41	4 19	19 45	2 13 23	51 1	1 53 21	59 2 10	3 49	1 7 22	11 0	25 23	1 0 24	22 1	1 18	6 23	17 23	23 0	22 55	5 54	8 44	0 39			
M13	12 9 2s33	4 50	20 16	2 19 24	4 1	1 55 21	52 2 8	3 54	1 7 22	11 0	25 23	1 0 24	22 0	1 18	6 23	17 23	23 1	22 55	5 57	8 46	0 39			
T 14	12 29 8 44	5 2 20	45 2 24	24 16	1 58 21	45 2 7	3 59	1 7 22	11 0	25 23	1 0 24	22 0	1 18	6 24	17 23	23 2	22 56	6 0	8 47	0 39				
W15	12 49 14 26	4 53	21 11	2 29 24	27 2	0 21 38	2 6 4 5	1 7 22	11 0	25 23	1 0 24	22 0	1 19	6 24	17 23	23 2	22 56	6 2	8 48	0 39				
T 16	13 9 19	12 4 23	21 34	2 33 24	38 2	3 21 31	2 4 4 10	1 7 22	11 0	24 23	1 0 24	22 0	1 19	6 25	17 23	23 3	22 56	6 5	8 50	0 39				
F 17	13 28 22	40 3 36	21 55	2 35 24	48 2	5 21 23	2 3 4 16	1 7 22	11 0	24 23	1 0 24	22 0	1 19	6 25	17 23	23 4	22 57	6 8	8 51	0 39				
S 18	13 48 24	34 2 36	22 14	2 37 24	57 2	7 21 16	2 2 4 21	1 7 22	11 0	24 23	1 0 24	22 0	1 19	6 26	17 23	23 4	22 57	6 11	8 52	0 39				
S 19	14 7 24	50 1 28	22 30	2 38 25	6 2	9 21 8	2 0 4 26	1 7 22	11 0	24 23	1 0 24	22 0	1 19	6 26	17 22	23 5	22 57	6 14	8 54	0 39				
M20	14 25 23	35 0 17	22 43	2 38 25	14 2	11 21 0	1 59 4 32	1 7 22	12 0	24 23	1 0 25	22 0	1 19	6 27	17 22	23 5	22 57	6 16	8 55	0 39				
T 21	14 44 21	5 0n52	22 55	2 37 25	22 2	13 20 53	1 58 4 37	1 7 22	12 0	24 23	1 0 25	22 0	1 19	6 27	17 22	23 5	22 58	6 19	8 56	0 39				
W22	15 2 17	37 1 57	23 4	2 35 25	28 2	15 20 45	1 57 4 42	1 8 22	12 0	24 23	1 0 25	22 0	1 19	6 27	17 22	23 5	22 58	6 22	8 58	0 38				
T 23	15 20 13	27 2 55	23 10	2 32 25	35 2	17 20 37	1 55 4 47	1 8 22	12 0	24 23	1 0 25	22 0	1 19	6 28	17 22	23 5	22 58	6 25	8 59	0 38				
F 24	15 38 8 51	3 44	23 15	2 28 25	40 2	19 20 28	1 54 4 53	1 8 22	12 0	24 23	2 0 25	22 0	1 19	6 28	17 22	23 5	22 59	6 28	9 0	0 38				
S 25	15 56 3 58	4 22	23 17	2 22 25	45 2	21 20 20	1 53 4 58	1 8 22	12 0	24 23	2 0 25	22 0	1 19	6 29	17 21	23 5	22 59	6 30	9 2	0 38				
S 26	16 13 1n 0	4 48	23 17	2 16 25	49 2	22 20 12	1 52 5 3	1 8 22	12 0	24 23	2 0 25	21 59	1 19	6 29	17 21	23 5	22 59	6 33	9 3	0 38				
M27	16 30 5 55	5 3	23 15	2 9 25	52 2	24 20 3	1 51 5 8	1 8 22	12 0	24 23	2 0 25	21 59	1 19	6 29	17 21	23 6	22 59	6 36	9 4	0 38				
T 28	16 47 10 38	5 4	23 11	2 0 25	55 2	25 19 55	1 49 5 13	1 8 22	13 0	24 23	2 0 25	21 59	1 19	6 30	17 21	23 7	23 0	6 39	9 5	0 38				
W29	17 3 15 0	4 52	23 5	1 51 25	57 2	27 19 46	1 48 5 18	1 8 22	13 0	24 23	2 0 25	21 59	1 19	6 30	17 20	23 7	23 0	6 41	9 7	0 38				
T 30	17n20	18n48	4n27	22n57	1n40	25n58	2n28	19n37	1n47	5n23	1s 8	22s13	0n24	23s 2	0s25	21s59	1n19	6n30	17n20	23s 8	23s 0	6n44	9n 8	0n38

Julian Day Number = 2265005.5, Delta T = 208.95 sec

Ecliptic obliquity = 23°30'23", Nutation = 0°00'16"

SWISS EPHEMERIS for the year 1489

MAY 1489 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	15 11 31	19♈15'48	21♉23	5♊51	1♋30	10♌4	16♍33	15♎23	15♏16	22♐33	24♑50	9♒45	11♓29	5♈15	21♈56
S 2	15 15 27	20°13'34	3♊45	5°R55	2°37	10°33	16°46	15♎22	15♏15	22♐32	24♑48	9♒38	11°26	5°22	22°0
S 3	15 19 24	21°11'19	16°16	5°54	3°44	11°2	16°59	15°20	15°14	22°30	24°47	9°33	11°23	5°28	22°3
M 4	15 23 21	22°9'02	28°59	5°48	4°50	11°31	17°12	15°19	15°13	22°29	24°45	9°30	11°19	5°35	22°6
T 5	15 27 17	23°6'44	11♉53	5°38	5°56	12°1	17°25	15°17	15°12	22°28	24°44	9°D30	11°16	5°42	22°10
W 6	15 31 14	24°4'24	25°2	5°24	7°2	12°30	17°38	15°15	15°11	22°26	24°42	9°31	11°13	5°49	22°13
T 7	15 35 10	25°2'03	8♉26	5°6	8°8	13°0	17°51	15°13	15°10	22°25	24°41	9°32	11°10	5°55	22°17
F 8	15 39 7	25°59'40	22°7	4°44	9°14	13°30	18°4	15°11	15°8	22°24	24°40	9°R33	11°7	6°2	22°20
S 9	15 43 3	26°57'16	6♊6	4°19	10°20	14°0	18°17	15°9	15°7	22°22	24°38	9°33	11°4	6°9	22°23
S 10	15 47 0	27°54'49	20°22	3°51	11°25	14°30	18°29	15°7	15°6	22°21	24°37	9°31	11°0	6°16	22°26
M 11	15 50 56	28°52'22	4♊55	3°21	12°30	15°1	18°42	15°4	15°4	22°19	24°36	9°27	10°57	6°22	22°30
T 12	15 54 53	29°49'53	19°38	2°50	13°35	15°31	18°55	15°2	15°3	22°18	24°34	9°22	10°54	6°29	22°33
W 13	15 58 50	0♊47'23	4♊25	2°17	14°39	16°2	19°7	15°0	15°1	22°16	24°33	9°16	10°51	6°36	22°36
T 14	16 2 46	1°44'51	19°10	1°43	15°44	16°33	19°20	14°57	15°0	22°15	24°32	9°11	10°48	6°42	22°39
F 15	16 6 43	2°42'19	3♊44	1°9	16°48	17°3	19°32	14°54	14°58	22°13	24°30	9°6	10°44	6°49	22°42
S 16	16 10 39	3°39'46	18°1	0°36	17°52	17°35	19°44	14°52	14°57	22°12	24°29	9°3	10°41	6°56	22°45
S 17	16 14 36	4°37'11	1♋55	0°4	18°55	18°6	19°57	14°49	14°55	22°10	24°28	9°2	10°38	7°3	22°48
M 18	16 18 32	5°34'36	15°26	29♈33	19°59	18°37	20°9	14°46	14°54	22°9	24°27	9°D2	10°35	7°9	22°51
T 19	16 22 29	6°32'00	28°31	29°5	21°2	19°8	20°21	14°43	14°52	22°7	24°26	9°3	10°32	7°16	22°54
W 20	16 26 25	7°29'23	11♈15	28°40	22°5	19°40	20°33	14°40	14°50	22°6	24°25	9°4	10°29	7°23	22°57
T 21	16 30 22	8°26'46	23°39	28°17	23°7	20°12	20°45	14°37	14°48	22°4	24°24	9°6	10°25	7°30	23°0
F 22	16 34 19	9°24'08	5♊48	27°58	24°10	20°44	20°57	14°34	14°47	22°3	24°22	9°R7	10°22	7°36	23°3
S 23	16 38 15	10°21'29	17°47	27°42	25°12	21°15	21°9	14°31	14°45	22°1	24°21	9°6	10°19	7°43	23°6
S 24	16 42 12	11°18'50	29°41	27°31	26°14	21°47	21°20	14°28	14°43	22°0	24°20	9°5	10°16	7°50	23°9
M 25	16 46 8	12°16'10	11♈33	27°23	27°15	22°20	21°32	14°24	14°41	21°58	24°19	9°2	10°13	7°56	23°12
T 26	16 50 5	13°13'30	23°29	27°D20	28°16	22°52	21°43	14°21	14°39	21°56	24°18	8°59	10°10	8°3	23°14
W 27	16 54 1	14°10'49	5♈31	27°22	29°17	23°24	21°55	14°17	14°37	21°55	24°17	8°55	10°6	8°10	23°17
T 28	16 57 58	15°8'08	17°43	27°28	0♊17	23°57	22°6	14°14	14°35	21°53	24°17	8°51	10°3	8°17	23°20
F 29	17 1 54	16°5'26	0♊6	27°38	1°17	24°30	22°17	14°10	14°33	21°52	24°16	8°47	10°0	8°23	23°22
S 30	17 5 51	17°2'44	12°42	27°53	2°17	25°2	22°28	14°7	14°31	21°50	24°15	8°45	9°57	8°30	23°25
S 31	17 9 48	18♊0'01	25♊31	28♈13	3♉17	25♌35	22♍39	14♎3	14♏29	21♐48	24♑14	8♒43	9♓54	8♈37	23♈27

Day	☉		☽		♀		♁		♂		♃		♅		♁		♁		♁		♁			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
F 1	17n35	21n50	3n49	22n48	1n28	25n59	2n29	19n28	1n46	5n28	1s8	22s13	0n24	23s2	0s25	21s59	1n19	6n30	17n20	23s9	23s0	6n47	9n9	0n38
S 2	17 51	23 54	3 0	22 36	1 16	25 59	2 30	19 19	1 45	5 33	1 8	22 13	0 24	23 3	0 25	21 59	1 19	6 31	17 20	23 9	23 1	6 50	9 11	0 38
S 3	18 6	24 49	2 2	22 23	1 3	25 58	2 31	19 10	1 44	5 38	1 8	22 14	0 24	23 3	0 25	21 59	1 19	6 31	17 19	23 10	23 1	6 53	9 12	0 38
M 4	18 21	24 27	0 56	22 7	0 48	25 57	2 32	19 1	1 42	5 43	1 8	22 14	0 24	23 3	0 25	21 59	1 19	6 31	17 19	23 10	23 1	6 55	9 13	0 38
T 5	18 36	22 46	0s13	21 51	0 33	25 55	2 33	18 52	1 41	5 48	1 9	22 14	0 24	23 3	0 25	21 59	1 19	6 31	17 19	23 10	23 2	6 58	9 14	0 38
W 6	18 51	19 50	1 23	21 33	0 17	25 52	2 34	18 42	1 40	5 53	1 9	22 14	0 24	23 3	0 25	21 59	1 19	6 32	17 19	23 10	23 2	7 1	9 15	0 38
T 7	19 5	15 48	2 30	21 13	0 1	25 49	2 34	18 33	1 39	5 58	1 9	22 15	0 24	23 3	0 25	21 58	1 19	6 32	17 18	23 10	23 2	7 4	9 17	0 38
F 8	19 18	10 52	3 30	20 53	0s16	25 45	2 35	18 23	1 38	6 3	1 9	22 15	0 23	23 3	0 25	21 58	1 19	6 32	17 18	23 10	23 2	7 6	9 18	0 38
S 9	19 32	5 18	4 19	20 31	0 33	25 41	2 35	18 13	1 37	6 7	1 9	22 15	0 23	23 4	0 25	21 58	1 19	6 32	17 18	23 10	23 3	7 9	9 19	0 37
S 10	19 45	0s40	4 53	20 9	0 51	25 35	2 35	18 3	1 36	6 12	1 9	22 16	0 23	23 4	0 25	21 58	1 19	6 32	17 17	23 10	23 3	7 12	9 20	0 37
M 11	19 58	6 40	5 9	19 46	1 8	25 30	2 35	17 53	1 35	6 17	1 9	22 16	0 23	23 4	0 25	21 58	1 19	6 32	17 17	23 10	23 3	7 15	9 21	0 37
T 12	20 10	12 24	5 5	19 23	1 26	25 23	2 35	17 43	1 34	6 22	1 9	22 16	0 23	23 4	0 25	21 58	1 19	6 33	17 17	23 10	23 3	7 17	9 22	0 37
W 13	20 22	17 26	4 41	19 0	1 43	25 16	2 35	17 33	1 33	6 26	1 9	22 17	0 23	23 4	0 25	21 58	1 19	6 33	17 16	23 11	23 4	7 20	9 24	0 37
T 14	20 34	21 22	3 58	18 37	1 59	25 8	2 35	17 23	1 31	6 31	1 10	22 17	0 23	23 5	0 25	21 58	1 19	6 33	17 16	23 11	23 4	7 23	9 25	0 37
F 15	20 46	23 54	3 0	18 14	2 15	25 0	2 35	17 12	1 30	6 35	1 10	22 17	0 23	23 5	0 25	21 58	1 19	6 33	17 15	23 12	23 4	7 25	9 26	0 37
S 16	20 57	24 49	1 52	17 52	2 31	24 51	2 34	17 2	1 29	6 40	1 10	22 18	0 23	23 5	0 25	21 58	1 19	6 33	17 15	23 12	23 4	7 28	9 27	0 37
S 17	21 7	24 8	0 39	17 31	2 45	24 42	2 33	16 51	1 28	6 44	1 10	22 18	0 23	23 5	0 25	21 58	1 19	6 33	17 15	23 12	23 5	7 31	9 28	0 37
M 18	21 18	22 2	0n35	17 12	2 59	24 32	2 33	16 40	1 27	6 49	1 10	22 18	0 23	23 5	0 25	21 57	1 19	6 33	17 14	23 12	23 5	7 34	9 29	0 37
T 19	21 28	18 49	1 44	16 54	3 12	24 21	2 32	16 29	1 26	6 53	1 10	22 19	0 23	23 6	0 25	21 57	1 19	6 33	17 14	23 12	23 5	7 36	9 30	0 37
W 20	21 37	14 47	2 47	16 37	3 23	24 10	2 31	16 19	1 25	6 58	1 10	22 19	0 23	23 6	0 25	21 57	1 19	6 33	17 13	23 12	23 5	7 39	9 31	0 37
T 21	21 46	10 13	3 40	16 22	3 33	23 59	2 30	16 8	1 24	7 2	1 10	22 19	0 23	23 6	0 25	21 57	1 19	6 33	17 13	23 12	23 6	7 42	9 32	0 37
F 22	21 55	5 21	4 22	16 9	3 42	23 46	2 28	15 56	1 23	7 6	1 11	22 20	0 23	23 6	0 25	21 57	1 19	6 33	17 12	23 12	23 6	7 45	9 33	0 37
S 23	22 4	0 22	4 52	15 58	3 50	23 34	2 27	15 45	1 22	7 11	1 11	22 20	0 23	23 6	0 25	21 57	1 19	6 33	17 12	23 12	23 6	7 47	9 34	0 37
S 24	22 12	4n35	5 9	15 49																				

SWISS EPHEMERIS for the year 1489

JUNE 1489 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	17 13 44	18II57'18	8☾34	28♃37	4♁16	26♁ 8	22♃50	13°R59	14°R27	21°R47	24°R13	8°D43	9♃50	8♃43	23♃30
T 2	17 17 41	19°54'34	21°51	29° 6	5°14	26°41	23° 1	13°355	14°325	21°445	24°12	8°343	9°47	8°50	23°32
W 3	17 21 37	20°51'49	5♁20	29°39	6°12	27°14	23°12	13°51	14°23	21°44	24°12	8°44	9°44	8°57	23°35
T 4	17 25 34	21°49'04	19° 1	0II16	7°10	27°48	23°23	13°48	14°21	21°42	24°11	8°45	9°41	9° 4	23°37
F 5	17 29 30	22°46'18	2♃54	0°58	8° 8	28°21	23°33	13°44	14°18	21°40	24°10	8°47	9°38	9°10	23°40
S 6	17 33 27	23°43'31	16°57	1°44	9° 4	28°55	23°44	13°40	14°16	21°39	24°10	8°47	9°35	9°17	23°42
S 7	17 37 23	24°40'43	1♁ 9	2°34	10° 1	29°28	23°54	13°36	14°14	21°37	24° 9	8°R47	9°31	9°24	23°44
M 8	17 41 20	25°37'55	15°27	3°29	10°57	0♃ 2	24° 4	13°32	14°12	21°35	24° 8	8°47	9°28	9°31	23°46
T 9	17 45 17	26°35'07	29°49	4°27	11°52	0°36	24°14	13°27	14°10	21°34	24° 8	8°45	9°25	9°37	23°49
W10	17 49 13	27°32'17	14♃11	5°29	12°47	1°10	24°24	13°23	14° 7	21°32	24° 7	8°44	9°22	9°44	23°51
T 11	17 53 10	28°29'28	28°28	6°36	13°42	1°44	24°34	13°19	14° 5	21°31	24° 7	8°43	9°19	9°51	23°53
F 12	17 57 6	29°26'38	12♃36	7°46	14°35	2°18	24°44	13°15	14° 3	21°29	24° 6	8°42	9°16	9°57	23°55
S 13	18 1 3	0☾23'48	26°31	9° 0	15°29	2°52	24°54	13°11	14° 0	21°27	24° 6	8°41	9°12	10° 4	23°57
S 14	18 4 59	1°20'58	10♃ 9	10°18	16°21	3°26	25° 3	13° 6	13°58	21°26	24° 6	8°D41	9° 9	10°11	23°59
M15	18 8 56	2°18'07	23°28	11°39	17°13	4° 1	25°13	13° 2	13°56	21°24	24° 5	8°41	9° 6	10°18	24° 1
T 16	18 12 53	3°15'17	6♁28	13° 4	18° 5	4°35	25°22	12°58	13°53	21°23	24° 5	8°42	9° 3	10°24	24° 2
W17	18 16 49	4°12'27	19° 9	14°33	18°56	5°10	25°31	12°54	13°51	21°21	24° 5	8°42	9° 0	10°31	24° 4
T 18	18 20 46	5° 9'37	1♃34	16° 6	19°46	5°44	25°40	12°49	13°49	21°20	24° 4	8°43	8°56	10°38	24° 6
F 19	18 24 42	6° 6'47	13°44	17°42	20°35	6°19	25°49	12°45	13°46	21°18	24° 4	8°43	8°53	10°45	24° 8
S 20	18 28 39	7° 3'57	25°45	19°21	21°24	6°54	25°58	12°40	13°44	21°16	24° 4	8°43	8°50	10°51	24° 9
S 21	18 32 35	8° 1'08	7♃40	21° 4	22°12	7°29	26° 7	12°36	13°42	21°15	24° 4	8°R43	8°47	10°58	24°11
M22	18 36 32	8°58'19	19°33	22°50	22°59	8° 4	26°15	12°32	13°39	21°13	24° 4	8°D43	8°44	11° 5	24°12
T 23	18 40 28	9°55'30	1♃30	24°39	23°45	8°39	26°24	12°27	13°37	21°12	24° 4	8°43	8°41	11°11	24°14
W24	18 44 25	10°52'43	13°35	26°31	24°30	9°14	26°32	12°23	13°34	21°10	24° 4	8°43	8°37	11°18	24°15
T 25	18 48 22	11°49'55	25°51	28°26	25°15	9°49	26°40	12°18	13°32	21° 9	24°D 3	8°44	8°34	11°25	24°17
F 26	18 52 18	12°47'08	8II22	0☾23	25°59	10°25	26°48	12°14	13°29	21° 7	24° 3	8°44	8°31	11°32	24°18
S 27	18 56 15	13°44'22	21°10	2°23	26°42	11° 0	26°56	12°10	13°27	21° 6	24° 4	8°44	8°28	11°38	24°19
S 28	19 0 11	14°41'36	4☾16	4°25	27°23	11°36	27° 4	12° 5	13°25	21° 4	24° 4	8°R45	8°25	11°45	24°21
M29	19 4 8	15°38'50	17°40	6°29	28° 4	12°11	27°11	12° 1	13°22	21° 3	24° 4	8°45	8°22	11°52	24°22
T 30	19 8 4	16☾36'05	1♁22	8☾34	28♁44	12♃47	27♃19	11°356	13°320	21°27	24°4	8°344	8°318	11°59	24°23

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	23n 3	23n14	0n 1	15n56	4s 5	21n18	2n 7	14n 0	1n14	7n48	1s12	22s24	0n22	23s 9	0s26	21s56	1n19	6n32	17n 8	23s13	23s 8	8n11	9n43	0n36
T 2	23 7	20 33	1s12	16 6	4 1	21 1	2 4	13 47	1 13	7 51	1 12	22 25	0 22	23 9	0 26	21 56	1 19	6 32	17 7	23 13	23 9	8 14	9 44	0 36
W 3	23 11	16 42	2 22	16 17	3 56	20 43	2 1	13 35	1 12	7 55	1 12	22 25	0 22	23 9	0 26	21 56	1 19	6 31	17 7	23 13	23 9	8 17	9 44	0 36
T 4	23 15	11 56	3 24	16 30	3 51	20 26	1 58	13 23	1 11	7 59	1 12	22 26	0 22	23 9	0 26	21 56	1 19	6 31	17 6	23 13	23 9	8 20	9 45	0 36
F 5	23 18	6 29	4 16	16 45	3 44	20 7	1 54	13 10	1 10	8 3	1 13	22 26	0 22	23 10	0 26	21 56	1 19	6 31	17 6	23 13	23 9	8 22	9 46	0 36
S 6	23 21	0 40	4 53	17 1	3 37	19 49	1 50	12 58	1 9	8 7	1 13	22 27	0 22	23 10	0 26	21 56	1 19	6 31	17 5	23 13	23 10	8 25	9 47	0 36
S 7	23 24	5s14	5 13	17 19	3 29	19 30	1 47	12 45	1 8	8 10	1 13	22 27	0 22	23 10	0 26	21 56	1 19	6 30	17 5	23 13	23 10	8 28	9 48	0 36
M 8	23 26	10 55	5 14	17 37	3 21	19 11	1 43	12 32	1 7	8 14	1 13	22 28	0 22	23 10	0 26	21 55	1 19	6 30	17 4	23 13	23 10	8 30	9 48	0 36
T 9	23 28	16 2	4 55	17 57	3 12	18 51	1 38	12 19	1 6	8 17	1 13	22 28	0 21	23 11	0 26	21 55	1 19	6 30	17 4	23 13	23 10	8 33	9 49	0 36
W10	23 29	20 14	4 18	18 17	3 2	18 31	1 34	12 6	1 5	8 21	1 13	22 29	0 21	23 11	0 26	21 55	1 19	6 30	17 3	23 13	23 10	8 36	9 50	0 36
T 11	23 30	23 12	3 25	18 39	2 52	18 11	1 29	11 53	1 4	8 24	1 14	22 29	0 21	23 11	0 26	21 55	1 19	6 29	17 3	23 13	23 11	8 38	9 51	0 36
F 12	23 30	24 40	2 19	19 0	2 42	17 51	1 25	11 40	1 3	8 28	1 14	22 30	0 21	23 11	0 26	21 55	1 19	6 29	17 2	23 13	23 11	8 41	9 51	0 36
S 13	23 30	24 34	1 7	19 23	2 31	17 31	1 20	11 27	1 3	8 31	1 14	22 30	0 21	23 12	0 26	21 55	1 19	6 28	17 1	23 13	23 11	8 43	9 52	0 36
S 14	23 30	22 59	0n 8	19 45	2 19	17 10	1 15	11 14	1 2	8 35	1 14	22 31	0 21	23 12	0 26	21 55	1 19	6 28	17 1	23 13	23 11	8 46	9 53	0 36
M15	23 29	20 8	1 21	20 8	2 8	16 49	1 9	11 0	1 1	8 38	1 14	22 31	0 21	23 12	0 26	21 55	1 19	6 28	17 0	23 13	23 12	8 49	9 53	0 36
T 16	23 28	16 19	2 28	20 31	1 56	16 28	1 4	10 47	1 0	8 41	1 14	22 32	0 21	23 12	0 26	21 55	1 19	6 27	17 0	23 13	23 12	8 51	9 54	0 36
W17	23 26	11 51	3 26	20 54	1 43	16 7	0 58	10 34	0 59	8 44	1 15	22 32	0 21	23 13	0 26	21 55	1 19	6 27	16 59	23 13	23 12	8 54	9 55	0 35
T 18	23 24	7 1	4 13	21 16	1 31	15 45	0 52	10 20	0 58	8 47	1 15	22 33	0 21	23 13	0 26	21 55	1 19	6 26	16 59	23 13	23 12	8 57	9 55	0 35
F 19	23 22	1 59	4 47	21 38	1 19	15 24	0 46	10 6	0 57	8 50	1 15	22 33	0 21	23 13	0 26	21 55	1 19	6 26	16 58	23 13	23 12	8 59	9 56	0 35
S 20	23 19	3n 2	5 9	21 59	1 6	15 2	0 40	9 53	0 56	8 53	1 15	22 34	0 21	23 13	0 26	21 54	1 19	6 26	16 58	23 13	23 13	9 2	9 56	0 35
S 21	23 16	7 54	5 17	22 19	0 53	14 40	0 33	9 39	0 56	8 56	1 15	22 34	0 20	23 14	0 26	21 54	1 19	6 25	16 57	23 13	23 13	9 5	9 57	0 35
M22	23 12	12 28	5 11	22 38	0 41	14 19	0 26	9 25	0 55	8 59	1 16	22 35	0 20	23 14	0 26	21 54	1 19	6 25	16 56	23 13	23 13	9 7	9 58	0 35
T 23	23 8	16 35	4 52	22 55	0 29	13 57	0 19	9 11	0 54	9 2	1 16	22 35	0 20	23 14	0 26	21 54	1 19	6 24	16 56	23 13	23 13	9 10	9 58	0 35
W24	23 4	20 5	4 20	23 11	0 16	13 35	0 12	8 57	0 53	9 5	1 16	22 36	0 20	23 14	0 26	21 54	1 19	6 24	16 55	23 13	23 13	9 12	9 59	0 35
T 25	22 59	22 46	3 36	23 25	0 5	13 3	0 5	8 43	0 52	9 8	1 16	22 36	0 20	23 15	0 26	21 54	1 19	6 23	16 55	23 13	23 14	9 15	9 59	0 35
F 26	22 53	24 24	2 40	23 37	0n 7	12 51	0s 3	8 29	0 51	9 10	1 16	22 36	0 20	23 15	0 26	21 54	1 19	6 22	16 54	23 13	23 14	9 18	9 59	0 35
S 27	22 48	24 48	1 36	23 47	0 18	12 29	0 11	8 14	0 50	9 13	1 17	22 37	0 20	23 15	0 26	21 54	1 19	6 22	16 53	23 13	23 14	9 20	10 0	0 35
S 28	22 42	23 51	0 25	23 55	0 29	12 7	0 19	8 0	0 50	9 16	1 17	22 37	0 20	23 15	0 26	21 54	1 19	6 21	16 53	23 13	23 14	9 23	10 0	0 35
M29	22 35	21 31	0s49	24 0	0 39	11 45	0 27	7 46	0 49	9 18	1 17	22 38	0 20	23 16	0 26	21 54	1 19	6 21	16 52	23 13				

SWISS EPHEMERIS for the year 1489

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
W 1	19 12 1	17°33'20	15°17	10°40	29°23	13°23	27°26	11°R52	13°R17	21°R 0	24°4	8°R43	8°15	12°V 5	24°V24
T 2	19 15 57	18°30'35	29°24	12°47	0°0	13°59	27°33	11°R48	13°R15	20°R59	24° 4	8°R42	8°12	12°12	24°25
F 3	19 19 54	19°27'50	13°28	14°55	0°36	14°35	27°40	11°43	13°R13	20°57	24° 5	8°41	8° 9	12°19	24°26
S 4	19 23 51	20°25'06	27°56	17° 3	1°11	15°11	27°47	11°39	13°R10	20°56	24° 5	8°40	8° 6	12°25	24°27
S 5	19 27 47	21°22'22	12°14	19°11	1°45	15°47	27°54	11°35	13° 8	20°55	24° 5	8°39	8° 2	12°32	24°28
M 6	19 31 44	22°19'38	26°28	21°19	2°18	16°23	28° 0	11°30	13° 5	20°53	24° 5	8°D39	7°59	12°39	24°29
T 7	19 35 40	23°16'55	10°37	23°26	2°49	16°59	28° 7	11°26	13° 3	20°52	24° 6	8°40	7°56	12°46	24°29
W 8	19 39 37	24°14'12	24°38	25°32	3°18	17°35	28°13	11°22	13° 1	20°51	24° 6	8°41	7°53	12°52	24°30
T 9	19 43 33	25°11'29	8°29	27°38	3°47	18°12	28°19	11°17	12°58	20°49	24° 7	8°42	7°50	12°59	24°31
F 10	19 47 30	26° 8'47	22°10	29°42	4°13	18°48	28°25	11°13	12°56	20°48	24° 7	8°43	7°47	13° 6	24°31
S 11	19 51 26	27° 6'06	5°38	1°45	4°38	19°25	28°31	11° 9	12°54	20°47	24° 8	8°R44	7°43	13°12	24°32
S 12	19 55 23	28° 3'25	18°54	3°47	5° 1	20° 2	28°36	11° 5	12°51	20°46	24° 8	8°43	7°40	13°19	24°32
M13	19 59 20	29° 0'45	1°55	5°48	5°23	20°38	28°42	11° 1	12°49	20°45	24° 9	8°42	7°37	13°26	24°33
T 14	20 3 16	29°58'06	14°42	7°47	5°43	21°15	28°47	10°57	12°47	20°43	24°10	8°40	7°34	13°33	24°33
W15	20 7 13	0°55'27	27°15	9°44	6° 1	21°52	28°52	10°53	12°45	20°42	24°10	8°37	7°31	13°39	24°33
T 16	20 11 9	1°52'50	9°35	11°40	6°17	22°29	28°57	10°49	12°42	20°41	24°11	8°33	7°28	13°46	24°34
F 17	20 15 6	2°50'13	21°43	13°35	6°31	23° 6	29° 1	10°45	12°40	20°40	24°12	8°29	7°24	13°53	24°34
S 18	20 19 2	3°47'38	3°V43	15°28	6°43	23°43	29° 6	10°41	12°38	20°39	24°12	8°26	7°21	14° 0	24°34
S 19	20 22 59	4°45'04	15°37	17°19	6°53	24°20	29°10	10°37	12°36	20°38	24°13	8°24	7°18	14° 6	24°34
M20	20 26 55	5°42'31	27°30	19° 9	7° 1	24°57	29°15	10°33	12°34	20°37	24°14	8°22	7°15	14°13	24°R34
T 21	20 30 52	6°40'00	9°B26	20°57	7° 6	25°35	29°19	10°30	12°31	20°36	24°15	8°D22	7°12	14°20	24°34
W22	20 34 49	7°37'29	21°30	22°43	7°10	26°12	29°22	10°26	12°29	20°35	24°16	8°23	7° 8	14°26	24°34
T 23	20 38 45	8°35'01	3°II46	24°28	7°R11	26°50	29°26	10°22	12°27	20°34	24°17	8°24	7° 5	14°33	24°34
F 24	20 42 42	9°32'33	16°19	26°12	7°10	27°27	29°30	10°19	12°25	20°33	24°18	8°26	7° 2	14°40	24°34
S 25	20 46 38	10°30'07	29°13	27°54	7° 7	28° 5	29°33	10°15	12°23	20°32	24°19	8°27	6°59	14°47	24°33
S 26	20 50 35	11°27'43	12°30	29°34	7° 1	28°43	29°36	10°12	12°21	20°31	24°20	8°R27	6°56	14°53	24°33
M27	20 54 31	12°25'20	26°10	1°13	6°53	29°20	29°39	10° 8	12°19	20°30	24°21	8°26	6°53	15° 0	24°33
T 28	20 58 28	13°22'58	10°13	2°50	6°42	29°58	29°42	10° 5	12°17	20°29	24°22	8°23	6°49	15° 7	24°32
W29	21 2 24	14°20'37	24°35	4°26	6°30	0°36	29°44	10° 2	12°15	20°29	24°23	8°19	6°46	15°14	24°32
T 30	21 6 21	15°18'17	9°11	6° 0	6°14	1°14	29°46	9°58	12°13	20°28	24°24	8°14	6°43	15°20	24°31
F 31	21 10 18	16°15'59	23°50	7°33	5°57	1°52	29°49	9°55	12°11	20°27	24°25	8° 8	6°40	15°27	24°V31

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
W 1	22n21	13n17	3s 9	24n 2	0n58	11n 2	0s44	7n17	0n47	9n23	1s17	22s39	0n20	23s16	0s26	21s54	1n19	6n20	16n51	23s13	23s15	9n31	10n 1	0n35
T 2	22 13	7 53	4 5	23 59	1 6	10 40	0 53	7 2	0 46	9 25	1 18	22 39	0 20	23 16	0 26	21 54	1 19	6 19	16 51	23 13	23 15	9 33	10 2	0 35
F 3	22 5	2 2	4 46	23 53	1 13	10 19	1 2	6 47	0 45	9 28	1 18	22 40	0 19	23 17	0 26	21 53	1 18	6 18	16 50	23 13	23 15	9 36	10 2	0 35
S 4	21 57	3s55	5 10	23 45	1 20	9 58	1 12	6 33	0 45	9 30	1 18	22 40	0 19	23 17	0 26	21 53	1 18	6 18	16 49	23 13	23 15	9 38	10 2	0 35
S 5	21 48	9 41	5 15	23 33	1 26	9 37	1 21	6 18	0 44	9 32	1 18	22 41	0 19	23 17	0 26	21 53	1 18	6 17	16 49	23 13	23 16	9 41	10 3	0 35
M 6	21 39	14 54	5 1	23 19	1 32	9 16	1 31	6 3	0 43	9 34	1 18	22 41	0 19	23 17	0 26	21 53	1 18	6 16	16 48	23 13	23 16	9 44	10 3	0 35
T 7	21 29	19 17	4 28	23 3	1 36	8 55	1 41	5 48	0 42	9 36	1 19	22 42	0 19	23 18	0 26	21 53	1 18	6 16	16 48	23 13	23 16	9 46	10 3	0 35
W 8	21 20	22 32	3 40	22 44	1 40	8 35	1 52	5 33	0 41	9 38	1 19	22 42	0 19	23 18	0 26	21 53	1 18	6 15	16 47	23 13	23 16	9 49	10 3	0 35
T 9	21 9	24 24	2 39	22 22	1 43	8 15	2 2	5 18	0 41	9 40	1 19	22 43	0 19	23 18	0 26	21 53	1 18	6 14	16 46	23 13	23 16	9 51	10 4	0 34
F 10	20 59	24 46	1 30	21 59	1 45	7 55	2 13	5 3	0 40	9 42	1 19	22 43	0 19	23 18	0 26	21 53	1 18	6 14	16 46	23 13	23 17	9 54	10 4	0 34
S 11	20 48	23 40	0 17	21 33	1 47	7 36	2 24	4 48	0 39	9 44	1 20	22 44	0 19	23 19	0 26	21 53	1 18	6 13	16 45	23 13	23 17	9 56	10 4	0 34
S 12	20 36	21 15	0n56	21 6	1 47	7 17	2 36	4 33	0 38	9 46	1 20	22 44	0 19	23 19	0 26	21 53	1 18	6 12	16 45	23 13	23 17	9 59	10 4	0 34
M13	20 25	17 46	2 4	20 37	1 48	6 58	2 47	4 18	0 37	9 48	1 20	22 44	0 18	23 19	0 26	21 53	1 18	6 11	16 44	23 13	23 17	10 2	10 4	0 34
T 14	20 13	13 31	3 5	20 6	1 47	6 40	2 59	4 2	0 37	9 49	1 20	22 45	0 18	23 19	0 26	21 53	1 18	6 11	16 44	23 13	23 17	10 4	10 4	0 34
W15	20 0	8 46	3 56	19 34	1 46	6 23	3 11	3 47	0 36	9 51	1 20	22 45	0 18	23 19	0 26	21 53	1 18	6 10	16 43	23 14	23 18	10 7	10 4	0 34
T 16	19 48	3 45	4 35	19 0	1 44	6 6	3 23	3 32	0 35	9 52	1 21	22 46	0 18	23 20	0 26	21 53	1 18	6 9	16 42	23 14	23 18	10 9	10 4	0 34
F 17	19 35	1n18	5 0	18 25	1 42	5 49	3 35	3 16	0 34	9 54	1 21	22 46	0 18	23 20	0 26	21 53	1 18	6 8	16 42	23 14	23 18	10 12	10 4	0 34
S 18	19 21	6 15	5 12	17 49	1 39	5 33	3 47	3 1	0 33	9 55	1 21	22 47	0 18	23 20	0 26	21 53	1 18	6 7	16 41	23 14	23 18	10 14	10 4	0 34
S 19	19 8	10 56	5 11	17 12	1 36	5 18	4 0	2 45	0 33	9 57	1 21	22 47	0 18	23 20	0 26	21 53	1 18	6 7	16 41	23 14	23 18	10 17	10 4	0 34
M20	18 54	15 13	4 56	16 35	1 32	5 3	4 13	2 30	0 32	9 58	1 22	22 47	0 18	23 20	0 26	21 53	1 18	6 6	16 40	23 14	23 18	10 19	10 4	0 34
T 21	18 40	18 55	4 29	15 56	1 27	4 49	4 25	2 14	0 31	9 59	1 22	22 48	0 18	23 21	0 26	21 53	1 18	6 5	16 39	23 14	23 19	10 22	10 4	0 34
W22	18 25	21 52	3 49	15 17	1 23	4 36	4 38	1 59	0 30	10 0	1 22	22 48	0 18	23 21	0 26	21 53	1 18	6 4	16 39	23 14	23 19	10 24	10 4	0 34
T 23	18 10	23 53	2 58	14 37	1 18	4 23	4 51	1 43	0 30	10 1	1 22	22 49	0 17	23 21	0 26	21 53	1 18	6 3	16 38	23 14	23 19	10 27	10 4	0 34
F 24	17 55	24 45	1 58	13 57	1 12	4 12	5 4	1 27	0 29	10 2	1 23	22 49	0 17	23 21	0 26	21 53	1 18	6 2	16 38	23 14	23 19	10 29	10 4	0 34
S 25	17 39	24 20	0 50	13 16	1 6	4 1	5 17	1 12	0 28	10 3	1 23	22 49	0 17	23 21	0 26	21 53	1 18	6 2	16 37	23 14	23 19	10 32	10 4	0 34
S 26	17 23	22 33	0s22	12 35	1 0	3 51	5 30	0 56	0 27	10 4	1 23	22 50	0 17	23 22	0 26	21 53	1 18	6 1	16 37	23 14	23 19	10 35	10 4	0 34
M27	17 7	19 25	1 35	11 54	0 53	3 42	5 43	0 40	0 27	10 5	1 23	22 50	0 17	23 22	0 26	21 53	1 18	6 0	16 36	23 14	23 20	10 37	10 3	0 34
T 28	16 51	15 6	2 44	11 13	0 47	3 34	5 56	0 24	0 26	10 6	1 23	22 50	0 17	23 22	0 26	21 52	1 18	5 59	16 36	23 14	23 20	10 40	10 3	0 34
W29	16 34	9 50	3 45	10 3																				

SWISS EPHEMERIS for the year 1489

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	21 14 14	17°13'42	8♁30	9♃4	5°R37	2♁30	29°V51	9°R52	12°R10	20°R26	24♁26	8°R 3	6♁37	15°V34	24°R30
S 2	21 18 11	18°11'25	23° 3	10°34	5♃15	3° 9	29°52	9♁49	12♁8	20♁26	24°28	7♁59	6°34	15°40	24°V29
M 3	21 22 7	19° 9'10	7♃24	12° 2	4°51	3°47	29°54	9°46	12° 6	20°25	24°29	7°57	6°30	15°47	24°28
T 4	21 26 4	20° 6'56	21°30	13°29	4°25	4°25	29°55	9°43	12° 4	20°24	24°30	7°D56	6°27	15°54	24°28
W 5	21 30 0	21° 4'44	5♁19	14°54	3°57	5° 4	29°56	9°41	12° 3	20°24	24°31	7°57	6°24	16° 1	24°27
T 6	21 33 57	22° 2'32	18°53	16°18	3°27	5°42	29°57	9°38	12° 1	20°23	24°33	7°58	6°21	16° 7	24°26
F 7	21 37 53	23° 0'22	2♁13	17°40	2°55	6°21	29°58	9°35	11°59	20°23	24°34	7°R59	6°18	16°14	24°25
S 8	21 41 50	23°58'13	15°18	19° 0	2°22	6°59	29°59	9°33	11°58	20°22	24°36	7°59	6°14	16°21	24°24
S 9	21 45 47	24°56'05	28°11	20°18	1°48	7°38	29°59	9°30	11°56	20°22	24°37	7°57	6°11	16°27	24°23
M10	21 49 43	25°53'59	10♁53	21°35	1°13	8°17	29°R59	9°28	11°55	20°21	24°38	7°53	6° 8	16°34	24°22
T 11	21 53 40	26°51'54	23°24	22°50	0°37	8°56	29°59	9°26	11°53	20°21	24°40	7°47	6° 5	16°41	24°20
W12	21 57 36	27°49'51	5♁45	24° 4	29°R59	9°35	29°59	9°24	11°52	20°21	24°42	7°39	6° 2	16°48	24°19
T 13	22 1 33	28°47'49	17°57	25°15	29°23	10°14	29°59	9°21	11°50	20°20	24°43	7°29	5°59	16°54	24°18
F 14	22 5 29	29°45'49	29°59	26°24	28°46	10°53	29°58	9°19	11°49	20°20	24°45	7°20	5°55	17° 1	24°17
S 15	22 9 26	0♃43'51	11°V57	27°31	28° 8	11°32	29°57	9°18	11°48	20°20	24°46	7°10	5°52	17° 8	24°15
S 16	22 13 22	1°41'54	23°49	28°36	27°32	12°11	29°56	9°16	11°46	20°19	24°48	7° 3	5°49	17°14	24°14
M17	22 17 19	2°40'00	5♁40	29°39	26°56	12°50	29°55	9°14	11°45	20°19	24°50	6°57	5°46	17°21	24°12
T 18	22 21 16	3°38'07	17°34	0♁39	26°20	13°30	29°54	9°12	11°44	20°19	24°51	6°53	5°43	17°28	24°11
W19	22 25 12	4°36'17	29°35	1°37	25°46	14° 9	29°52	9°11	11°43	20°19	24°53	6°D52	5°40	17°35	24° 9
T 20	22 29 9	5°34'28	11°II48	2°32	25°13	14°49	29°50	9° 9	11°42	20°19	24°55	6°52	5°36	17°41	24° 7
F 21	22 33 5	6°32'42	24°19	3°24	24°41	15°28	29°48	9° 8	11°41	20°18	24°56	6°52	5°33	17°48	24° 6
S 22	22 37 2	7°30'58	7♁11	4°12	24°11	16° 8	29°46	9° 6	11°40	20°18	24°58	6°R53	5°30	17°55	24° 4
S 23	22 40 58	8°29'16	20°29	4°58	23°43	16°47	29°44	9° 5	11°39	20°18	25° 0	6°52	5°27	18° 2	24° 2
M24	22 44 55	9°27'36	4♁15	5°40	23°17	17°27	29°41	9° 4	11°38	20°D18	25° 2	6°49	5°24	18° 8	24° 0
T 25	22 48 51	10°25'58	18°29	6°18	22°53	18° 7	29°38	9° 3	11°37	20°18	25° 4	6°44	5°20	18°15	23°59
W26	22 52 48	11°24'21	3♃8	6°52	22°31	18°47	29°35	9° 2	11°36	20°18	25° 6	6°36	5°17	18°22	23°57
T 27	22 56 45	12°22'47	18° 4	7°21	22°11	19°27	29°32	9° 1	11°35	20°19	25° 7	6°27	5°14	18°28	23°55
F 28	23 0 41	13°21'14	3♁9	7°46	21°54	20° 7	29°29	9° 1	11°34	20°19	25° 9	6°17	5°11	18°35	23°53
S 29	23 4 38	14°19'44	18°13	8° 5	21°38	20°47	29°25	9° 0	11°34	20°19	25°11	6° 7	5° 8	18°42	23°51
S 30	23 8 34	15°18'15	3♃6	8°20	21°26	21°27	29°21	8°59	11°33	20°19	25°13	6° 0	5° 5	18°49	23°49
M31	23 12 31	16°17'47	17°II41	8♁28	21°R15	22♁8	29°V17	8♁59	11♁32	20♁19	25♁15	5♁54	5♁1	18°V55	23°V46

Day	☉			☽			♀		♂		♃		♄		♅		♆		♇		♁		♂		♁		♃		♄		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
S 1	15n43	8s 7	5s10	8n27	0n17	3n12	6s45	0s39	0n23	10n 8	1s24	22s52	0n17	23s23	0s26	21s52	1n17	5n55	16n33	23s16	23s20	10n50	10n 2	0n33							
S 2	15 25 13	37 4	5 9	7 45 0	8 3 9	6 57 0	55 0	22 10	8 1 25	22 52 0	16 23 23	0 26 21 52	1 17 5 54	16 33 23	16 23 21	10 52 10	2 0 33														
M 3	15 7 18	16 4	3 40	7 4 0	0 3 7	7 8 1	1 11 0	21 10	9 1 25	22 52 0	16 23 23	0 26 21 52	1 17 5 53	16 32 23	16 23 21	10 55 10	2 0 33														
T 4	14 49 21	48 3	4 35	6 23 0	8 3 6	7 18 1	2 7 8 1	27 0 21	10 9 1 25	22 53 0	16 23 23	0 26 21 52	1 17 5 52	16 32 23	16 23 21	10 57 10	1 0 33														
W 5	14 31 24	0 2	4 47	5 42 0	17 3 7	7 29 1	4 3 0	20 10 9 1 25	22 53 0	16 23 23	0 26 21 52	1 17 5 52	16 31 23	16 23 21	10 59 10	1 0 33															
T 6	14 12 24	44 1	4 41	5 2 0	26 3 9	7 38 1	5 9 0	19 10 9 1 26	22 53 0	16 23 23	0 26 21 52	1 17 5 51	16 31 23	16 23 21	11 2 10	0 33															
F 7	13 53 24	0 0	3 41	4 22 0	34 3 11	7 47 2	15 0 18	10 9 1 26	22 54 0	16 23 24	0 26 21 52	1 17 5 50	16 30 23	16 23 21	11 4 10	0 33															
S 8	13 34 21	58 0n39	3 42	0 43 3	15 7 55	2 31 0	18 10 9 1 26	22 54 0	16 23 24	0 26 21 52	1 17 5 49	16 30 23	16 23 21	11 7 10	0 33																
S 9	13 15 18	50 1	4 47	3 3 0	52 3 20	8 3 2 47	0 17 10 9 1 26	22 54 0	16 23 24	0 26 21 52	1 17 5 48	16 29 23	16 23 22	11 9 9	59 0 33																
M10	12 55 14	52 2	4 48	2 24 1	2 3 26	8 10 3 3	0 16 10 9 1 27	22 54 0	16 23 24	0 26 21 53	1 17 5 47	16 29 23	16 23 22	11 12 9	59 0 33																
T 11	12 36 10	18 3	3 39	1 46 1	1 11 3 33	8 16 3 19	0 15 10 9 1 27	22 55 0	16 23 24	0 26 21 53	1 17 5 46	16 28 23	17 23 22	11 14 9	58 0 33																
W12	12 16 5	24 4	4 20	1 8 1	20 3 41	8 21 3 35	0 15 10 9 1 27	22 55 0	15 23 24	0 26 21 53	1 17 5 45	16 28 23	17 23 22	11 17 9	58 0 33																
T 13	11 56 0	21 4	4 48	0 32 1	29 3 50	8 25 3 51	0 14 10 8 1 27	22 55 0	15 23 24	0 26 21 53	1 17 5 44	16 27 23	18 23 22	11 19 9	57 0 33																
F 14	11 35 4n38	5 3	0s 5	1 39 3	59 8 28	4 7 0	13 10 8 1 27	22 55 0	15 23 24	0 26 21 53	1 17 5 43	16 27 23	18 23 22	11 22 9	57 0 33																
S 15	11 15 9	24 5	4 0	40 1	48 4 10	8 31 4 23	0 13 10 7 1 28	22 56 0	15 23 25	0 26 21 53	1 17 5 42	16 26 23	19 23 23	11 24 9	56 0 33																
S 16	10 54 13	48 4	5 3	1 14 1	57 4 20	8 32 4 39	0 12 10 7 1 28	22 56 0	15 23 25	0 26 21 53	1 17 5 41	16 26 23	19 23 23	11 27 9	55 0 33																
M17	10 33 17	39 4	2 48	1 48 2	7 4 32	8 32 4 55	0 11 10 6 1 28	22 56 0	15 23 25	0 26 21 53	1 17 5 40	16 26 23	19 23 23	11 29 9	55 0 33																
T 18	10 12 20	50 3	5 2	2 20 2	16 4 44	8 32 5 11	0 10 10 5 1 28	22 56 0	15 23 25	0 26 21 53	1 17 5 39	16 25 23	20 23 23	11 31 9	54 0 32																
W19	9 51 23	8 3	6 2	5 1 2	25 4 57	8 31 5 27	0 10 10 4 1 29	22 57 0	15 23 25	0 26 21 53	1 17 5 38	16 25 23	20 23 23	11 34 9	54 0 32																
T 20	9 30 24	25 2	10 3	2 1 2	34 5 9	8 29 5 43	0 9 10 4 1 29	22 57 0	15 23 25	0 26 21 53	1 16 5 37	16 24 23	20 23 23	11 36 9	53 0 32																
F 21	9 8 24	30 1	7 3	50 2	42 5 22	8 26 5 59	0 8 10 3 1 29	22 57 0	14 23 25	0 26 21 53	1 16 5 36	16 24 23	20 23 23	11 39 9	52 0 32																
S 22	8 46 23	17 0s 2	4 17	2 51 5	36 8 22	6 15 0	8 10 2 1 29	22 57 0	14 23 25	0 26 21 53	1 16 5 35	16 23 23	20 23 23	11 41 9	52 0 32																
S 23	8 25 20	4 5	1 12 4	3 43 2	59 5 49	8 17 6 31	0 7 10 1 1 29	22 57 0	14 23 25	0 26 21 53	1 16 5 34	16 23 23	20 23 24	11 44 9	51 0 32																
M24	8 3 16	58 2	1 20 5	7 3 6	2 8 12	6 46 0	6 10 0 1 30	22 58 0	14 23 25	0 26 21 53	1 16 5 33	16 23 23	20 23 24	11 46 9	50 0 32																
T 25	7 41 12	7 3	2 22 5	29 3 15	6 16 8 6	7 2 0	6 9 58 1 30	22 58 0	14 23 25	0 26 21 53	1 16 5 32	16 22 23	20 23 2																		



SWISS EPHEMERIS for the year 1489

SEPTEMBER 1489 JC

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Day	Sid.t	☉	☽	♁	♂	♄	♃	♆	♅	♁	♄	♃	♆	♅	♁	♄	♃
T 1	23 16 27	17 <sup>h</sup> 15'22"	1 <sup>h</sup> 55'	8°R31	21°R 7	22 <sup>h</sup> 48'	29°R13	8°R59	11°R32	20 <sup>h</sup> 20'	25 <sup>h</sup> 17'	5°R52	4 <sup>h</sup> 58'	19 <sup>h</sup> 9'	23°R44		
W 2	23 20 24	18°13'58"	15°45'	8 <sup>h</sup> 26'	21 <sup>h</sup> 1	23°28'	29 <sup>h</sup> 9'	8 <sup>h</sup> 58'	11 <sup>h</sup> 31'	20°20'	25°19'	5°D51	4°55'	19° 9'	23 <sup>h</sup> 42'		
T 3	23 24 20	19°12'36"	29°12'	8°16'	20°58'	24° 9'	29° 5'	8°58'	11°31'	20°20'	25°21'	5°R51	4°52'	19°15'	23°40'		
F 4	23 28 17	20°11'16"	12 <sup>h</sup> 30'	7°58'	20°D57	24°49'	29° 0'	8°D58	11°30'	20°21'	25°23'	5 <sup>h</sup> 31'	4°49'	19°22'	23°38'		
S 5	23 32 14	21° 9'57"	25°11'	7°33'	20°59'	25°30'	28°55'	8°58'	11°30'	20°21'	25°25'	5°49'	4°45'	19°29'	23°35'		
S 6	23 36 10	22° 8'40"	7 <sup>h</sup> 48'	7° 1'	21° 3'	26°11'	28°50'	8°58'	11°30'	20°21'	25°28'	5°46'	4°42'	19°36'	23°33'		
M 7	23 40 7	23° 7'24"	20°13'	6°21'	21° 9'	26°51'	28°45'	8°59'	11°30'	20°22'	25°30'	5°39'	4°39'	19°42'	23°31'		
T 8	23 44 3	24° 6'11"	2 <sup>h</sup> 30'	5°35'	21°17'	27°32'	28°40'	8°59'	11°29'	20°22'	25°32'	5°30'	4°36'	19°49'	23°28'		
W 9	23 48 0	25° 4'59"	14°39'	4°43'	21°28'	28°13'	28°34'	8°59'	11°29'	20°23'	25°34'	5°18'	4°33'	19°56'	23°26'		
T 10	23 51 56	26° 3'50"	26°41'	3°45'	21°40'	28°54'	28°29'	9° 0'	11°29'	20°23'	25°36'	5° 4'	4°30'	20° 2'	23°23'		
F 11	23 55 53	27° 2'42"	8 <sup>h</sup> 39'	2°43'	21°55'	29°35'	28°23'	9° 0'	11°29'	20°24'	25°38'	4°50'	4°26'	20° 9'	23°21'		
S 12	23 59 49	28° 1'37"	20°32'	1°37'	22°12'	0 <sup>h</sup> 16'	28°17'	9° 1'	11°D29	20°25'	25°40'	4°36'	4°23'	20°16'	23°18'		
S 13	0 3 46	29° 0'33"	2 <sup>h</sup> 23'	0°29'	22°31'	0°57'	28°11'	9° 2'	11°29'	20°25'	25°43'	4°25'	4°20'	20°23'	23°16'		
M14	0 7 42	29°59'32"	14°14'	29 <sup>h</sup> 21'	22°51'	1°38'	28° 4'	9° 3'	11°29'	20°26'	25°45'	4°15'	4°17'	20°29'	23°13'		
T 15	0 11 39	0 <sup>h</sup> 58'33"	26° 8'	28°15'	23°14'	2°19'	27°58'	9° 4'	11°29'	20°27'	25°47'	4° 9'	4°14'	20°36'	23°10'		
W16	0 15 36	1°57'37"	8 <sup>h</sup> 11'	27°12'	23°38'	3° 1'	27°52'	9° 5'	11°29'	20°27'	25°49'	4° 5'	4°11'	20°43'	23° 8'		
T 17	0 19 32	2°56'43"	20°18'	26°14'	24° 4'	3°42'	27°45'	9° 6'	11°30'	20°28'	25°52'	4° 3'	4° 7'	20°49'	23° 5'		
F 18	0 23 29	3°55'51"	2 <sup>h</sup> 54'	25°23'	24°31'	4°24'	27°38'	9° 8'	11°30'	20°29'	25°54'	4° 3'	4° 4'	20°56'	23° 2'		
S 19	0 27 25	4°55'01"	15°32'	24°40'	25° 1'	5° 5'	27°31'	9° 9'	11°30'	20°30'	25°56'	4° 3'	4° 1'	21° 3'	23° 0'		
S 20	0 31 22	5°54'14"	28°45'	24° 6'	25°31'	5°47'	27°24'	9°11'	11°31'	20°31'	25°59'	4° 2'	3°58'	21°10'	22°57'		
M21	0 35 18	6°53'30"	12 <sup>h</sup> 26'	23°43'	26° 4'	6°28'	27°17'	9°12'	11°31'	20°32'	26° 1'	3°58'	3°55'	21°16'	22°54'		
T 22	0 39 15	7°52'47"	26°38'	23°30'	26°37'	7°10'	27°10'	9°14'	11°32'	20°33'	26° 3'	3°52'	3°51'	21°23'	22°51'		
W23	0 43 11	8°52'07"	11 <sup>h</sup> 17'	23°D28	27°12'	7°52'	27° 3'	9°16'	11°32'	20°34'	26° 6'	3°44'	3°48'	21°30'	22°48'		
T 24	0 47 8	9°51'29"	26°20'	23°36'	27°49'	8°34'	26°55'	9°18'	11°33'	20°35'	26° 8'	3°33'	3°45'	21°37'	22°46'		
F 25	0 51 5	10°50'53"	11 <sup>h</sup> 37'	23°55'	28°26'	9°16'	26°48'	9°20'	11°34'	20°36'	26°10'	3°22'	3°42'	21°43'	22°43'		
S 26	0 55 1	11°50'19"	26°56'	24°24'	29° 5'	9°58'	26°40'	9°22'	11°34'	20°37'	26°13'	3°11'	3°39'	21°50'	22°40'		
S 27	0 58 58	12°49'47"	12 <sup>h</sup> 6'	25° 2'	29°45'	10°40'	26°33'	9°24'	11°35'	20°38'	26°15'	3° 2'	3°36'	21°57'	22°37'		
M28	1 2 54	13°49'17"	26°58'	25°50'	0 <sup>h</sup> 27'	11°22'	26°25'	9°26'	11°36'	20°39'	26°17'	2°56'	3°32'	22° 3'	22°34'		
T 29	1 6 51	14°48'49"	11 <sup>h</sup> 25'	26°44'	1° 9'	12° 4'	26°17'	9°29'	11°37'	20°40'	26°20'	2°52'	3°29'	22°10'	22°31'		
W30	1 10 47	15°48'23"	25 <sup>h</sup> 24'	27 <sup>h</sup> 46'	1 <sup>h</sup> 52'	12 <sup>h</sup> 47'	26 <sup>h</sup> 9'	9°31'	11°38'	20°41'	26°22'	2°50'	3°26'	22 <sup>h</sup> 17'	22 <sup>h</sup> 28'		

Day	☉	☽	♁	♂	♄	♃	♆	♅	♁	♄	♃	♆	♅	♁	♄	♃	♆							
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
T 1	5n 3	23s22	2s50	6s58	3s55	7n43	7s 9	8s53	0n 1	9n48	1s31	22s59	0n13	23s26	0s26	21s53	1n16	5n25	16n20	23s23	23s25	12n 5	9n44	0n32
W 2	4 40	24 28	1 45	6 59	3 57	7 53	7 0	9 8	0 0	9 47	1 31	22 59	0 13	23 26	0 26	21 54	1 16	5 24	16 19	23 23	23 25	12 8	9 43	0 32
T 3	4 17	24 5	0 35	6 56	3 58	8 4	6 50	9 24	0s 1	9 45	1 32	22 59	0 13	23 26	0 26	21 54	1 16	5 22	16 19	23 23	23 25	12 10	9 42	0 31
F 4	3 54	22 22	0n34	6 49	3 58	8 14	6 40	9 40	0 1	9 43	1 32	22 59	0 13	23 26	0 26	21 54	1 16	5 21	16 18	23 23	23 25	12 12	9 41	0 31
S 5	3 31	19 31	1 40	6 38	3 57	8 23	6 29	9 55	0 2	9 41	1 32	22 59	0 13	23 26	0 26	21 54	1 16	5 20	16 18	23 23	23 25	12 15	9 40	0 31
S 6	3 8	15 47	2 40	6 22	3 54	8 32	6 19	10 11	0 3	9 39	1 32	22 59	0 13	23 26	0 26	21 54	1 16	5 19	16 18	23 23	23 25	12 17	9 39	0 31
M 7	2 44	11 26	3 32	6 2	3 49	8 40	6 8	10 26	0 3	9 37	1 32	22 59	0 13	23 26	0 26	21 54	1 16	5 18	16 18	23 23	23 25	12 19	9 38	0 31
T 8	2 21	6 41	4 12	5 38	3 43	8 48	5 57	10 41	0 4	9 35	1 32	22 59	0 13	23 26	0 25	21 54	1 15	5 17	16 17	23 23	23 26	12 22	9 37	0 31
W 9	1 58	1 45	4 41	5 9	3 34	8 55	5 47	10 57	0 5	9 33	1 33	23 0	0 13	23 26	0 25	21 54	1 15	5 16	16 17	23 24	23 26	12 24	9 36	0 31
T 10	1 34	3n13	4 56	4 37	3 24	9 1	5 36	11 12	0 5	9 31	1 33	23 0	0 12	23 26	0 25	21 54	1 15	5 15	16 17	23 25	23 26	12 26	9 35	0 31
F 11	1 11	8 1	4 59	4 1	3 12	9 7	5 25	11 27	0 6	9 29	1 33	23 0	0 12	23 26	0 25	21 54	1 15	5 14	16 16	23 25	23 26	12 29	9 34	0 31
S 12	0 47	12 29	4 48	3 22	2 58	9 12	5 14	11 42	0 7	9 27	1 33	23 0	0 12	23 26	0 25	21 54	1 15	5 13	16 16	23 26	23 26	12 31	9 33	0 31
S 13	0 24	16 29	4 25	2 40	2 42	9 16	5 3	11 57	0 7	9 24	1 33	23 0	0 12	23 26	0 25	21 54	1 15	5 12	16 16	23 26	23 26	12 33	9 32	0 31
M14	0 0	19 49	3 51	1 57	2 25	9 20	4 52	12 12	0 8	9 22	1 33	23 0	0 12	23 26	0 25	21 55	1 15	5 11	16 16	23 26	23 26	12 36	9 31	0 31
T 15	0s23	22 21	3 6	1 14	2 6	9 23	4 42	12 27	0 9	9 20	1 33	23 0	0 12	23 26	0 25	21 55	1 15	5 10	16 15	23 26	23 26	12 38	9 30	0 31
W16	0 47	23 54	2 12	0 31	1 47	9 25	4 31	12 42	0 9	9 17	1 33	23 0	0 12	23 26	0 25	21 55	1 15	5 9	16 15	23 27	23 26	12 40	9 29	0 31
T 17	1 10	24 21	1 12	0n11	1 26	9 27	4 20	12 57	0 10	9 15	1 33	23 0	0 12	23 26	0 25	21 55	1 15	5 8	16 15	23 27	23 26	12 43	9 28	0 30
F 18	1 34	23 36	0 7	0 50	1 6	9 28	4 10	13 11	0 11	9 12	1 34	23 0	0 12	23 26	0 25	21 55	1 15	5 7	16 15	23 27	23 27	12 45	9 27	0 30
S 19	1 58	21 36	1s 0	1 26	0 46	9 28	3 59	13 26	0 11	9 10	1 34	23 0	0 12	23 26	0 25	21 55	1 15	5 6	16 14	23 27	23 27	12 47	9 26	0 30
S 20	2 21	18 24	2 7	1 57	0 26	9 28	3 49	13 40	0 12	9 7	1 34	23 0	0 11	23 26	0 25	21 55	1 15	5 5	16 14	23 27	23 27	12 50	9 25	0 30
M21	2 45	14 7	3 8	2 24	0 7	9 26	3 38	13 55	0 13	9 5	1 34	23 0	0 11	23 25	0 25	21 55	1 15	5 4	16 14	23 27	23 27	12 52	9 24	0 30
T 22	3 8	8 55	4 0	2 46	0n12	9 25	3 28	14 9	0 13	9 2	1 34	23 0	0 11	23 25	0 25	21 55	1 15	5 3	16 14	23 27	23 27	12 54	9 23	0 30
W23	3 32	3 4	4 38	3 2	0 29	9 22	3 18	14 23	0 14	8 59	1 34	23 0	0 11	23 25	0 25	21 56	1 15	5 2	16 14	23 27	23 27	12 57	9 22	0 30
T 24	3 55	3s 6	4 58	3 13	0 44	9 19	3 8	14 38	0 14	8 57	1 34	23 0	0 11	23 25	0 25	21 56	1 15	5 1	16 13	23 27	23 27	12 59	9 20	0 30
F 25	4 18	9 10	4 57	3 19	0 58	9 16	2 58	14 52	0 15	8 54	1 34	23 0	0 11	23 25	0 25	21 56	1 15	5 0	16 13	23 28	23 27	13 1	9 19	0 30
S 26	4 42	14 41	4 35	3 19	1 11	9 11	2 49	15 6	0 16	8 51	1 34	23 0	0 11	23 25	0 25	21 56	1 15	4 59	16 13	23 28	23 27	13 4	9 18	0 30
S 27	5 5	19 13	3 54	3 14	1 22	9 6	2 39	15 19	0 16	8 48	1 34	23 0	0 11	23 25	0 25	21 56	1 15	4 58	16 13	23 28	23 27	13 6	9 17	0 30
M28	5 28	22 25	2 57	3 4	1 32	9 1	2 30	15 33	0 17	8 45	1 34	23 0	0 11	23 25	0 25	21 56	1 15	4 58	16 13	23 28	23 28	13 8	9 16	0 30
T 29	5 51	24 2	1 51	2																				

SWISS EPHEMERIS for the year 1489

OCTOBER 1489 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	1 14 44	16♂47'59	8♂56	28♂55	2♂37	13♂29	26°R 1	9♂34	11♂39	20♂42	26♂25	2°D50	3♂23	22°Y24	22°R26	
F 2	1 18 40	17°47'36	22° 3	0♂ 9	3°22	14°11	25°Y53	9°36	11°40	20°44	26°27	2°R50	3°20	22°30	22°Y23	
S 3	1 22 37	18°47'15	4♂49	1°27	4° 8	14°54	25°45	9°39	11°41	20°45	26°29	2♂49	3°17	22°37	22°20	
S 4	1 26 34	19°46'56	17°18	2°50	4°56	15°36	25°37	9°42	11°42	20°46	26°32	2°46	3°13	22°44	22°17	
M 5	1 30 30	20°46'38	29°34	4°16	5°44	16°19	25°29	9°45	11°43	20°48	26°34	2°40	3°10	22°50	22°14	
T 6	1 34 27	21°46'23	11♂41	5°46	6°33	17° 1	25°21	9°48	11°44	20°49	26°37	2°32	3° 7	22°57	22°11	
W 7	1 38 23	22°46'09	23°41	7°17	7°22	17°44	25°13	9°51	11°45	20°50	26°39	2°21	3° 4	23° 4	22° 8	
T 8	1 42 20	23°45'57	5°Y37	8°51	8°13	18°27	25° 5	9°54	11°47	20°52	26°41	2° 8	3° 1	23°11	22° 5	
F 9	1 46 16	24°45'46	17°30	10°26	9° 4	19°10	24°57	9°57	11°48	20°53	26°44	1°55	2°57	23°17	22° 2	
S 10	1 50 13	25°45'38	29°22	12° 2	9°56	19°53	24°48	10° 1	11°49	20°55	26°46	1°42	2°54	23°24	21°59	
S 11	1 54 9	26°45'32	11♂15	13°40	10°49	20°36	24°40	10° 4	11°51	20°56	26°49	1°31	2°51	23°31	21°56	
M12	1 58 6	27°45'28	23° 9	15°18	11°43	21°19	24°32	10° 8	11°52	20°58	26°51	1°22	2°48	23°37	21°54	
T 13	2 2 3	28°45'26	5♂ 7	16°56	12°37	22° 2	24°24	10°11	11°54	20°59	26°54	1°16	2°45	23°44	21°51	
W14	2 5 59	29°45'26	17°11	18°35	13°32	22°45	24°16	10°15	11°56	21° 1	26°56	1°13	2°42	23°51	21°48	
T 15	2 9 56	0♂45'28	29°25	20°15	14°27	23°28	24° 8	10°19	11°57	21° 2	26°58	1°D12	2°38	23°58	21°45	
F 16	2 13 52	1°45'32	11♂52	21°54	15°23	24°11	24° 0	10°23	11°59	21° 4	27° 1	1°12	2°35	24° 4	21°42	
S 17	2 17 49	2°45'39	24°37	23°33	16°20	24°55	23°52	10°27	12° 1	21° 6	27° 3	1°13	2°32	24°11	21°39	
S 18	2 21 45	3°45'47	7♂44	25°12	17°17	25°38	23°44	10°31	12° 2	21° 7	27° 6	1°R13	2°29	24°18	21°36	
M19	2 25 42	4°45'58	21°17	26°51	18°15	26°22	23°36	10°35	12° 4	21° 9	27° 8	1°12	2°26	24°24	21°33	
T 20	2 29 38	5°46'11	5♂17	28°30	19°13	27° 5	23°28	10°39	12° 6	21° 11	27°11	1° 8	2°22	24°31	21°31	
W21	2 33 35	6°46'26	19°45	0♂ 9	20°12	27°49	23°21	10°43	12° 8	21°12	27°13	1° 3	2°19	24°38	21°28	
T 22	2 37 32	7°46'42	4♂37	1°47	21°11	28°32	23°13	10°48	12°10	21°14	27°15	0°55	2°16	24°45	21°25	
F 23	2 41 28	8°47'01	19°46	3°25	22°11	29°16	23° 6	10°52	12°12	21°16	27°18	0°47	2°13	24°51	21°22	
S 24	2 45 25	9°47'22	5♂ 3	5° 3	23°11	29°59	22°58	10°56	12°14	21°18	27°20	0°39	2°10	24°58	21°20	
S 25	2 49 21	10°47'44	20°16	6°40	24°12	0♂44	22°51	11° 1	12°16	21°19	27°22	0°32	2° 7	25° 5	21°17	
M26	2 53 18	11°48'09	5♂15	8°18	25°13	1°28	22°43	11° 6	12°18	21°21	27°25	0°27	2° 3	25°11	21°14	
T 27	2 57 14	12°48'34	19°53	9°54	26°14	2°12	22°36	11°10	12°20	21°23	27°27	0°25	2° 0	25°18	21°11	
W28	3 1 11	13°49'02	4♂ 3	11°31	27°16	2°56	22°29	11°15	12°23	21°25	27°30	0°D24	1°57	25°25	21° 9	
T 29	3 5 7	14°49'30	17°45	13° 7	28°18	3°40	22°22	11°20	12°25	21°27	27°32	0°25	1°54	25°32	21° 6	
F 30	3 9 4	15°50'00	0♂59	14°43	29°21	4°24	22°15	11°25	12°27	21°29	27°34	0°27	1°51	25°38	21° 4	
S 31	3 13 1	16♂50'32	13♂49	16♂19	0♂24	5♂ 8	22°Y 9	11♂30	12♂30	21♂31	27♂37	0°R28	1♂48	25°Y45	21°Y 1	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	6s37	22s40	0n32	2n 9	1n53	8n40	2s 2	16s14	0s19	8n37	1s34	22s59	0n10	23s25	0s25	21s57	1n14	4n55	16n12	23s29	23s28	13n15	9n12	0n29
F 2	7 0 20	3 1 40	1 44	1 57	8 32	1 53	16 27	0 19	8 34	1 34	22 59	0 10	23 25	0 25	21 57	1 14	4 54	16 12	23 29	23 28	13 17	9 11	0 29	
S 3	7 23 16	31 2 41	1 15	2 0	8 24	1 45	16 40	0 20	8 31	1 34	22 59	0 10	23 24	0 25	21 57	1 14	4 53	16 12	23 29	23 28	13 19	9 10	0 29	
S 4	7 45 12	19 3 32	0 44	2 2	8 14	1 36	16 53	0 21	8 28	1 34	22 59	0 10	23 24	0 25	21 57	1 14	4 52	16 12	23 29	23 28	13 22	9 9	0 29	
M 5	8 8 7	4 2	4 13	0 11	2 3	8 5	1 28	17 6	0 21	8 25	1 34	22 59	0 10	23 24	0 25	21 57	1 14	4 51	16 12	23 29	23 28	13 24	9 8	0 29
T 6	8 30 2	5 1	4 42	0s25	2 3	7 54	1 19	17 19	0 22	8 22	1 34	22 59	0 10	23 24	0 25	21 57	1 14	4 50	16 12	23 29	23 28	13 26	9 7	0 29
W 7	8 53 2n	3 4 58	1 2	2 2	7 43	1 11	17 32	0 23	8 19	1 34	22 59	0 10	23 24	0 25	21 57	1 14	4 49	16 12	23 29	23 28	13 28	9 5	0 29	
T 8	9 15 6	5 0	5 1	1 40	2 1	7 32	1 3	17 44	0 23	8 16	1 34	22 58	0 10	23 24	0 25	21 57	1 14	4 48	16 12	23 29	23 28	13 31	9 4	0 29
F 9	9 37 11	22 4 51	2 19	1 59	7 20	0 55	17 57	0 24	8 14	1 34	22 58	0 10	23 24	0 25	21 58	1 14	4 47	16 12	23 30	23 28	13 33	9 3	0 29	
S 10	9 59 15	27 4 28	3 0	1 56	7 7	0 48	18 9	0 24	8 11	1 34	22 58	0 9	23 24	0 25	21 58	1 14	4 47	16 12	23 30	23 28	13 35	9 2	0 29	
S 11	10 21 18	56 3 53	3 41	1 52	6 54	0 40	18 21	0 25	8 8	1 34	22 58	0 9	23 23	0 25	21 58	1 14	4 46	16 12	23 30	23 28	13 37	9 1	0 29	
M12	10 42 21	39 3 8	4 22	1 49	6 41	0 33	18 33	0 25	8 5	1 34	22 58	0 9	23 23	0 25	21 58	1 14	4 45	16 12	23 30	23 29	13 40	9 0	0 28	
T 13	11 4 23	25 2 14	5 4	1 44	6 27	0 26	18 45	0 26	8 2	1 34	22 58	0 9	23 23	0 25	21 58	1 14	4 44	16 12	23 30	23 29	13 42	8 58	0 28	
W14	11 25 24	7 1 14	5 46	1 40	6 12	0 19	18 56	0 27	7 59	1 34	22 57	0 9	23 23	0 25	21 58	1 14	4 43	16 12	23 30	23 29	13 44	8 57	0 28	
T 15	11 46 23	40 0 10	6 28	1 35	5 57	0 12	19 8	0 27	7 56	1 33	22 57	0 9	23 23	0 25	21 58	1 14	4 42	16 12	23 30	23 29	13 46	8 56	0 28	
F 16	12 7 22	2 0s57	7 10	1 29	5 42	0 5	19 19	0 28	7 53	1 33	22 57	0 9	23 23	0 25	21 59	1 14	4 42	16 12	23 30	23 29	13 48	8 55	0 28	
S 17	12 28 19	15 2 2	7 52	1 24	5 26	0n 1	19 30	0 28	7 51	1 33	22 57	0 9	23 23	0 25	21 59	1 14	4 41	16 12	23 30	23 29	13 51	8 54	0 28	
S 18	12 48 15	26 3 3	8 34	1 18	5 9	0 8	19 41	0 29	7 48	1 33	22 57	0 9	23 22	0 25	21 59	1 14	4 40	16 12	23 30	23 29	13 53	8 53	0 28	
M19	13 9 10	44 3 55	9 15	1 12	4 53	0 14	19 52	0 30	7 45	1 33	22 56	0 9	23 22	0 25	21 59	1 14	4 39	16 12	23 30	23 29	13 55	8 51	0 28	
T 20	13 29 5	19 4 36	9 57	1 6	4 35	0 20	20 3	0 30	7 42	1 33	22 56	0 9	23 22	0 25	21 59	1 14	4 38	16 12	23 30	23 29	13 57	8 50	0 28	
W21	13 49 0s32	5 0 10	37 1 0	4 18	0 26	20 14	0 31	7 39	1 33	22 56	0 9	23 22	0 25	21 59	1 14	4 38	16 12	23 30	23 29	13 59	8 49	0 28		
T 22	14 9 6	30 5 5	11 18	0 53	4 0	0 32	20 24	0 31	7 37	1 33	22 56	0 8	23 22	0 25	22 0	1 14	4 37	16 12	23 30	23 29	14 2	8 48	0 28	
F 23	14 28 12	13 4 50	11 57	0 47	3 41	0 38	20 34	0 32	7 34	1 32	22 55	0 8	23 21	0 25	22 0	1 13	4 36	16 12	23 30	23 29	14 4	8 47	0 27	
S 24	14 47 17	13 4 13	12 37	0 40	3 22	0 43	20 44	0 32	7 32	1 32	22 55	0 8	23 21	0 25	22 0	1 13	4 35	16 12	23 30	23 29	14 6	8 46	0 27	
S 25	15 6 21	3 3 19	13 15	0 34	3 3	0 48	20 54	0 33	7 29	1 32	22 55	0 8	23 21	0 25	22 0	1 13	4 35	16 12	23 30	23 29	14 8	8 45	0 27	
M26	15 25 23	23 2 11	13 53	0 27	2 44	0 54	21 3	0 33	7 26	1 32	22 54	0 8	23 21	0 25	22 0	1 13	4 34	16 13	23 30	23 29	14 10	8 44	0 27	
T 27	15 44 24	3 0 57	14 30	0 20	2 24	0 59	21 13	0 34	7 24	1 32	22 54	0 8	23 21	0 25	22 0	1 13	4 33	16 13	23 30	23 29	14 13	8 42	0 27	
W28	16 2 23	7 0n20	15 7	0 13	2 4	1 3	21 22	0 35	7 21	1 32	22 54	0 8	23 20	0 25	22 0	1 13	4 33	16 13	23 30	23 29	14 15	8 41	0 27	
T 29	16 20 20	48 1 32	15 43	0 7	1 43	1 8	21 31	0 35	7 19	1 31	22 53	0 8	23 20	0 25										

SWISS EPHEMERIS for the year 1489

NOVEMBER 1489 JC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	3 16 57	17♏51'04	26♏19	17♏54	1♁27	5♁52	22°R 2	11♁35	12♁32	21♁33	27♁39	0°R27	1♁44	25♁52	20°R58
M 2	3 20 54	18°51'38	8♁34	19°29	2°31	6°37	21♁56	11°40	12°34	21°35	27°41	0♁25	1°41	25°58	20♁56
T 3	3 24 50	19°52'13	20°37	21° 4	3°35	7°21	21°49	11°45	12°37	21°37	27°44	0°21	1°38	26° 5	20°53
W 4	3 28 47	20°52'49	2♁33	22°39	4°39	8° 5	21°43	11°51	12°39	21°39	27°46	0°15	1°35	26°12	20°51
T 5	3 32 43	21°53'27	14°25	24°14	5°44	8°50	21°37	11°56	12°42	21°41	27°48	0° 8	1°32	26°18	20°49
F 6	3 36 40	22°54'05	26°16	25°48	6°48	9°34	21°31	12° 1	12°44	21°43	27°50	0° 1	1°28	26°25	20°46
S 7	3 40 36	23°54'46	8♁ 9	27°22	7°54	10°19	21°25	12° 7	12°47	21°45	27°53	29♁54	1°25	26°32	20°44
S 8	3 44 33	24°55'27	20° 6	28°56	8°59	11° 4	21°20	12°12	12°50	21°47	27°55	29°48	1°22	26°39	20°42
M 9	3 48 30	25°56'10	2♁ 7	0♁30	10° 5	11°48	21°15	12°18	12°52	21°49	27°57	29°43	1°19	26°45	20°39
T 10	3 52 26	26°56'54	14°15	2° 3	11°11	12°33	21° 9	12°23	12°55	21°51	27°59	29°40	1°16	26°52	20°37
W 11	3 56 23	27°57'40	26°31	3°37	12°17	13°18	21° 4	12°29	12°58	21°53	28° 1	29°D39	1°13	26°59	20°35
T 12	4 0 19	28°58'27	8♁57	5°10	13°24	14° 3	20°59	12°35	13° 1	21°55	28° 4	29°39	1° 9	27° 5	20°33
F 13	4 4 16	29°59'16	21°34	6°44	14°31	14°48	20°55	12°41	13° 3	21°57	28° 6	29°41	1° 6	27°12	20°31
S 14	4 8 12	1♁ 0'06	4♁27	8°17	15°38	15°33	20°50	12°46	13° 6	21°59	28° 8	29°42	1° 3	27°19	20°29
S 15	4 12 9	2° 0'57	17°36	9°50	16°45	16°18	20°46	12°52	13° 9	22° 2	28°10	29°44	1° 0	27°26	20°27
M 16	4 16 5	3° 1'50	1♁ 5	11°24	17°52	17° 3	20°42	12°58	13°12	22° 4	28°12	29°R45	0°57	27°32	20°25
T 17	4 20 2	4° 2'44	14°55	12°57	19° 0	17°48	20°38	13° 4	13°15	22° 6	28°14	29°44	0°54	27°39	20°23
W 18	4 23 59	5° 3'39	29° 7	14°30	20° 8	18°33	20°34	13°10	13°18	22° 8	28°16	29°43	0°50	27°46	20°21
T 19	4 27 55	6° 4'36	13♁39	16° 3	21°16	19°18	20°30	13°16	13°21	22°10	28°18	29°40	0°47	27°52	20°19
F 20	4 31 52	7° 5'34	28°26	17°36	22°25	20° 4	20°27	13°22	13°24	22°13	28°20	29°37	0°44	27°59	20°17
S 21	4 35 48	8° 6'33	13♏22	19° 9	23°33	20°49	20°24	13°29	13°27	22°15	28°22	29°34	0°41	28° 6	20°15
S 22	4 39 45	9° 7'34	28° 9	20°42	24°42	21°34	20°21	13°35	13°30	22°17	28°24	29°31	0°38	28°13	20°14
M 23	4 43 41	10° 8'35	13♁ 9	22°14	25°51	22°20	20°18	13°41	13°33	22°19	28°26	29°29	0°34	28°19	20°12
T 24	4 47 38	11° 9'38	27°44	23°47	27° 0	23° 5	20°15	13°48	13°36	22°21	28°28	29°D29	0°31	28°26	20°11
W 25	4 51 34	12°10'41	11♁56	25°19	28° 9	23°51	20°13	13°54	13°39	22°24	28°30	29°29	0°28	28°33	20° 9
T 26	4 55 31	13°11'45	25°44	26°51	29°18	24°36	20°11	14° 0	13°42	22°26	28°32	29°30	0°25	28°39	20° 8
F 27	4 59 28	14°12'49	9♁ 6	28°23	0♁28	25°22	20° 9	14° 7	13°46	22°28	28°34	29°31	0°22	28°46	20° 6
S 28	5 3 24	15°13'54	22° 4	29°55	1°38	26° 8	20° 7	14°13	13°49	22°30	28°36	29°33	0°19	28°53	20° 5
S 29	5 7 21	16°14'59	4♁39	1♁26	2°47	26°53	20° 5	14°20	13°52	22°33	28°37	29°34	0°15	28°59	20° 3
M 30	5 11 17	17°16'05	16♁57	2♁56	3♏57	27°39	20° 4	14°26	13°55	22°35	28♁39	29°R34	0♁12	29° 6	20° 2

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	♅									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	17s12	8s45	4n17	17s26	0s13	0n40	1n22	21s57	0s37	7n12	1s31	22s52	0n 8	23s19	0s25	22s 1	1n13	4n30	16n13	23s30	23s30	14n23	8n37	0n27
M 2	17 29	3 56	4 48	17 58	0 20	0 18	1 26	22 5	0 37	7 10	1 31	22 52	0 7	7 23	0 25	22 1	1 13	4 29	16 14	23 30	23 30	14 25	8 36	0 27
T 3	17 45	0n57	5 5	18 30	0 26	0s 3	1 30	22 13	0 38	7 8	1 30	22 52	0 7	7 23	0 25	22 1	1 13	4 29	16 14	23 30	23 30	14 28	8 35	0 26
W 4	18 1	5 45	5 9	19 1	0 33	0 25	1 33	22 21	0 38	7 6	1 30	22 51	0 7	7 23	0 25	22 2	1 13	4 28	16 14	23 30	23 30	14 30	8 34	0 26
T 5	18 17	10 18	5 0	19 31	0 39	0 48	1 37	22 28	0 39	7 4	1 30	22 51	0 7	7 23	0 25	22 2	1 13	4 28	16 14	23 30	23 30	14 32	8 33	0 26
F 6	18 33	14 29	4 38	20 0	0 46	1 10	1 41	22 36	0 39	7 2	1 30	22 51	0 7	7 23	0 25	22 2	1 13	4 27	16 14	23 30	23 30	14 34	8 32	0 26
S 7	18 48	18 6	4 4	20 28	0 52	1 33	1 44	22 43	0 40	7 0	1 29	22 50	0 7	7 23	0 25	22 2	1 13	4 26	16 14	23 30	23 30	14 36	8 31	0 26
S 8	19 3	21 0	3 19	20 55	0 58	1 56	1 47	22 50	0 40	6 58	1 29	22 50	0 7	7 23	0 25	22 2	1 13	4 26	16 15	23 30	23 30	14 38	8 30	0 26
M 9	19 18	23 0	2 25	21 21	1 4	2 19	1 50	22 56	0 41	6 56	1 29	22 49	0 7	7 23	0 25	22 2	1 13	4 25	16 15	23 30	23 30	14 40	8 29	0 26
T 10	19 32	23 57	1 23	21 46	1 10	2 42	1 53	23 3	0 41	6 54	1 29	22 49	0 7	7 23	0 25	22 2	1 13	4 25	16 15	23 30	23 30	14 42	8 28	0 26
W 11	19 46	23 45	0 17	22 10	1 15	3 5	1 56	23 9	0 42	6 53	1 28	22 48	0 7	7 23	0 25	22 3	1 13	4 24	16 15	23 30	23 30	14 45	8 27	0 26
T 12	19 59	22 22	0s51	22 33	1 21	3 29	1 59	23 15	0 42	6 51	1 28	22 48	0 7	7 23	0 25	22 3	1 13	4 24	16 16	23 30	23 30	14 47	8 26	0 26
F 13	20 12	19 50	1 57	22 54	1 26	3 52	2 1	23 21	0 43	6 50	1 28	22 47	0 7	7 23	0 25	22 3	1 13	4 23	16 16	23 30	23 30	14 49	8 26	0 25
S 14	20 25	16 18	2 59	23 15	1 31	4 16	2 4	23 26	0 43	6 48	1 28	22 47	0 6	6 23	0 25	22 3	1 13	4 23	16 16	23 30	23 30	14 51	8 25	0 25
S 15	20 37	11 54	3 53	23 34	1 36	4 40	2 6	23 31	0 44	6 47	1 27	22 46	0 6	6 23	0 25	22 3	1 13	4 22	16 16	23 30	23 30	14 53	8 24	0 25
M 16	20 49	6 49	4 36	23 52	1 41	5 3	2 8	23 36	0 44	6 46	1 27	22 46	0 6	6 23	0 25	22 3	1 13	4 22	16 17	23 30	23 30	14 55	8 23	0 25
T 17	21 1	1 17	5 4	24 9	1 45	5 27	2 10	23 41	0 45	6 44	1 27	22 45	0 6	6 23	0 25	22 3	1 13	4 22	16 17	23 30	23 30	14 57	8 22	0 25
W 18	21 12	4s27	5 14	24 25	1 49	5 51	2 12	23 46	0 45	6 43	1 26	22 45	0 6	6 23	0 25	22 4	1 13	4 21	16 17	23 30	23 30	14 59	8 21	0 25
T 19	21 23	10 5	5 5	24 39	1 53	6 15	2 14	23 50	0 46	6 42	1 26	22 44	0 6	6 23	0 25	22 4	1 13	4 21	16 18	23 30	23 30	15 1	8 21	0 25
F 20	21 33	15 14	4 36	24 52	1 57	6 39	2 15	23 54	0 46	6 41	1 26	22 44	0 6	6 23	0 25	22 4	1 13	4 20	16 18	23 30	23 30	15 3	8 20	0 25
S 21	21 43	19 30	3 47	25 4	2 1	7 3	2 17	23 58	0 47	6 40	1 25	22 43	0 6	6 23	0 25	22 4	1 13	4 20	16 18	23 30	23 30	15 5	8 19	0 25
S 22	21 53	22 30	2 43	25 14	2 4	7 27	2 18	24 1	0 47	6 39	1 25	22 43	0 6	6 23	0 25	22 4	1 13	4 20	16 19	23 30	23 30	15 7	8 18	0 24
M 23	22 2	23 55	1 29	25 23	2 7	7 51	2 19	24 4	0 47	6 39	1 25	22 42	0 6	6 23	0 25	22 4	1 13	4 19	16 19	23 30	23 30	15 9	8 18	0 24
T 24	22 11	23 39	0 10	25 31	2 9	8 15	2 21	24 7	0 48	6 38	1 25	22 42	0 6	6 23	0 25	22 5	1 13	4 19	16 19	23 30	23 30	15 11	8 17	0 24
W 25	22 19	21 50	1n 8	25 37	2 11	8 39	2 22	24 10	0 48	6 37	1 24	22 41	0 6	6 23	0 25	22 5	1 13	4 19	16 20	23 30	23 30	15 13	8 16	0 24
T 26	22 27	18 46	2 20	25 41	2 13	9 2	2 22	24 12	0 49	6 37	1 24	22 41	0 6	6 23	0 25	22 5	1 13	4 18	16 20	23 30	23 30	15 16	8 16	0 24
F 27	22 34	14 47	3 22	25 44	2 15	9 26	2 23	24 15	0 49	6 36	1 24	22 40	0 5	5 23	0 25	22 5	1 13	4 18	16 20	23 30	23 30	15 18	8 15	0 24
S 28	22 41	10 13	4 12	25 46	2 15	9 50	2 24	24 16	0 50	6 36	1 23	22 39	0 5	5 23	0 25	22 5	1 13	4 18	16 21	23 30	23 30	15 20	8 14	0 24
S 29	22 48	5 22	4 47	25 46	2 16	10 13	2 24	24 18	0 50	6 36	1 23	22 39	0 5	5 23	0 25	22 5	1 13	4 17	16 21	23 30				

SWISS EPHEMERIS for the year 1489

DECEMBER 1489 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	5 15 14	18°17'11	29°11'	4°26'	5°11'	28°25'	20°R 3	14°33'	13°59'	22°37'	28°41'	29°R34	0°9'	29°13'	20°R 1
W 2	5 19 10	19°18'17	10°17'	5°55'	6°18'	29°11'	20°Y 2	14°40'	14°2'	22°39'	28°43'	29°R33	0°6'	29°20'	20°Y 0
T 3	5 23 7	20°19'23	22°48'	7°23'	7°28'	29°57'	20° 1	14°46'	14° 5	22°42'	28°44'	29°32'	0° 3	29°26'	19°59'
F 4	5 27 3	21°20'30	4°40'	8°50'	8°39'	0°43'	20° 1	14°53'	14° 9	22°44'	28°46'	29°30'	29°59'	29°33'	19°58'
S 5	5 31 0	22°21'37	16°35'	10°16'	9°49'	1°29'	20° 0	15° 0	14°12'	22°46'	28°48'	29°29'	29°56'	29°40'	19°57'
S 6	5 34 57	23°22'45	28°36'	11°40'	11° 0	2°15'	20°D 0	15° 6	14°15'	22°49'	28°49'	29°28'	29°53'	29°46'	19°56'
M 7	5 38 53	24°23'53	10°11'	13° 2	12°11'	3° 1	20° 0	15°13'	14°19'	22°51'	28°51'	29°28'	29°50'	29°53'	19°55'
T 8	5 42 50	25°25'01	23° 7	14°21'	13°22'	3°47'	20° 1	15°20'	14°22'	22°53'	28°53'	29°28'	29°47'	29°59'	19°54'
W 9	5 46 46	26°26'09	5°40'	15°38'	14°33'	4°33'	20° 1	15°27'	14°26'	22°55'	28°54'	29°D28	29°44'	0° 7	19°53'
T 10	5 50 43	27°27'18	18°25'	16°52'	15°44'	5°19'	20° 2	15°34'	14°29'	22°58'	28°56'	29°28'	29°40'	0°13'	19°52'
F 11	5 54 39	28°28'27	1°24'	18° 2	16°55'	6° 6	20° 3	15°40'	14°32'	23° 0	28°57'	29°28'	29°37'	0°20'	19°52'
S 12	5 58 36	29°29'37	14°35'	19° 7	18° 7	6°52'	20° 4	15°47'	14°36'	23° 2	28°59'	29°R28	29°34'	0°27'	19°51'
S 13	6 2 32	0°30'46	28° 0	20° 8	19°18'	7°38'	20° 5	15°54'	14°39'	23° 4	29° 0	29°28'	29°31'	0°33'	19°51'
M14	6 6 29	1°31'57	11°38'	21° 3	20°30'	8°24'	20° 7	16° 1	14°43'	23° 7	29° 1	29°28'	29°28'	0°40'	19°50'
T 15	6 10 26	2°33'07	25°29'	21°51'	21°42'	9°11'	20° 8	16° 8	14°46'	23° 9	29° 3	29°28'	29°25'	0°47'	19°50'
W16	6 14 22	3°34'18	9°46'	22°31'	22°53'	9°57'	20°10'	16°15'	14°50'	23°11'	29° 4	29°D28	29°21'	0°53'	19°49'
T 17	6 18 19	4°35'29	23°47'	23° 3	24° 5	10°44'	20°13'	16°22'	14°53'	23°13'	29° 5	29°28'	29°18'	1° 0	19°49'
F 18	6 22 15	5°36'41	8°11'	23°26'	25°17'	11°30'	20°15'	16°29'	14°57'	23°16'	29° 7	29°28'	29°15'	1° 7	19°49'
S 19	6 26 12	6°37'53	22°38'	23°38'	26°29'	12°17'	20°17'	16°36'	15° 0	23°18'	29° 8	29°29'	29°12'	1°14'	19°49'
S 20	6 30 8	7°39'05	7° 7	23°R40	27°41'	13° 3	20°20'	16°43'	15° 4	23°20'	29° 9	29°30'	29° 9	1°20'	19°49'
M21	6 34 5	8°40'17	21°31'	23°30'	28°53'	13°50'	20°23'	16°50'	15° 7	23°22'	29°10'	29°30'	29° 6	1°27'	19°D49
T 22	6 38 2	9°41'29	5°46'	23° 8	0° 6	14°37'	20°26'	16°57'	15°11'	23°24'	29°12'	29°R30	29° 2	1°34'	19°49'
W23	6 41 58	10°42'41	19°46'	22°34'	1°18'	15°23'	20°30'	17° 4	15°15'	23°27'	29°13'	29°29'	28°59'	1°40'	19°49'
T 24	6 45 55	11°43'52	3°29'	21°49'	2°30'	16°10'	20°33'	17°11'	15°18'	23°29'	29°14'	29°28'	28°56'	1°47'	19°49'
F 25	6 49 51	12°45'03	16°50'	20°54'	3°43'	16°57'	20°37'	17°19'	15°22'	23°31'	29°15'	29°27'	28°53'	1°54'	19°49'
S 26	6 53 48	13°46'14	29°50'	19°50'	4°55'	17°44'	20°41'	17°26'	15°25'	23°33'	29°16'	29°24'	28°50'	2° 0	19°49'
S 27	6 57 44	14°47'24	12°29'	18°38'	6° 8	18°30'	20°45'	17°33'	15°29'	23°35'	29°17'	29°22'	28°46'	2° 7	19°50'
M28	7 1 41	15°48'33	24°50'	17°22'	7°20'	19°17'	20°49'	17°40'	15°32'	23°38'	29°18'	29°21'	28°43'	2°14'	19°50'
T 29	7 5 37	16°49'42	6°57'	16° 3	8°33'	20° 4	20°54'	17°47'	15°36'	23°40'	29°19'	29°19'	28°40'	2°21'	19°50'
W30	7 9 34	17°50'49	18°54'	14°44'	9°46'	20°51'	20°59'	17°54'	15°39'	23°42'	29°19'	29°D19	28°37'	2°27'	19°51'
T 31	7 13 31	18°51'56	0°46'	13°28'	10°59'	21°38'	21°Y 3	18° 1	15°43'	23°44'	29°20'	29°R20	28°34'	2°34'	19°Y51

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	22s59	4n27	5n17	25s41	2s15	11s 0	2n25	24s21	0s51	6n35	1s22	22s37	0n 5	23s11	0s25	22s 5	1n13	4n17	16n22	23s30	23s30	15n26	8n13	0n24
W 2	23 4 9 6	5 10	25 37	2 14	11 23	2 25	24 21	0 51	6 35	1 22	22 37	0 5	23 10	0 25	22 6	1 13	4 17	16 22	23 30	23 30	15 28	8 12	0 23	
T 3	23 9 13 23	4 51	25 30	2 13	11 45	2 25	24 22	0 52	6 35	1 22	22 36	0 5	23 10	0 25	22 6	1 13	4 17	16 23	23 30	23 30	15 30	8 12	0 23	
F 4	23 13 17 10	4 19	25 23	2 10	12 8	2 25	24 22	0 52	6 35	1 21	22 35	0 5	23 10	0 25	22 6	1 13	4 16	16 23	23 30	23 30	15 32	8 11	0 23	
S 5	23 17 20 17	3 36	25 13	2 7	12 31	2 25	24 22	0 52	6 35	1 21	22 35	0 5	23 9	0 25	22 6	1 13	4 16	16 24	23 30	23 30	15 34	8 11	0 23	
S 6	23 20 22 33	2 43	25 3	2 4	12 53	2 24	24 22	0 53	6 36	1 21	22 34	0 5	23 9	0 25	22 6	1 13	4 16	16 24	23 30	23 30	15 36	8 10	0 23	
M 7	23 23 23 48	1 42	24 51	1 59	13 15	2 24	24 21	0 53	6 36	1 21	22 33	0 5	23 9	0 25	22 6	1 13	4 16	16 24	23 30	23 30	15 38	8 10	0 23	
T 8	23 26 23 55	0 35	24 37	1 54	13 37	2 23	24 21	0 54	6 36	1 20	22 33	0 5	23 8	0 25	22 6	1 13	4 16	16 25	23 30	23 30	15 40	8 9	0 23	
W 9	23 27 22 49	0s34	24 22	1 48	13 59	2 23	24 19	0 54	6 37	1 20	22 32	0 5	23 8	0 25	22 7	1 13	4 16	16 25	23 30	23 30	15 42	8 9	0 23	
T 10	23 29 20 32	1 43	24 6	1 41	14 20	2 22	24 18	0 54	6 37	1 20	22 31	0 4	23 7	0 25	22 7	1 13	4 16	16 26	23 30	23 30	15 44	8 9	0 23	
F 11	23 30 17 10	2 48	23 49	1 33	14 41	2 21	24 16	0 55	6 38	1 19	22 31	0 4	23 7	0 25	22 7	1 13	4 16	16 26	23 30	23 30	15 46	8 8	0 23	
S 12	23 30 12 55	3 45	23 31	1 23	15 2	2 20	24 15	0 55	6 39	1 19	22 30	0 4	23 7	0 25	22 7	1 12	4 16	16 27	23 30	23 30	15 48	8 8	0 22	
S 13	23 30 7 58	4 31	23 12	1 13	15 22	2 19	24 12	0 55	6 40	1 19	22 29	0 4	23 6	0 25	22 7	1 12	4 15	16 27	23 30	23 30	15 50	8 8	0 22	
M14	23 30 2 34	5 2	22 53	1 2	15 42	2 18	24 10	0 56	6 40	1 18	22 28	0 4	23 6	0 25	22 7	1 12	4 15	16 28	23 30	23 30	15 51	8 7	0 22	
T 15	23 29 3s 3	5 17	22 33	0 50	16 2	2 17	24 7	0 56	6 41	1 18	22 28	0 4	23 6	0 25	22 7	1 12	4 15	16 28	23 30	23 30	15 53	8 7	0 22	
W16	23 27 8 35	5 12	22 13	0 36	16 22	2 15	24 4	0 56	6 42	1 18	22 27	0 4	23 5	0 25	22 7	1 12	4 15	16 28	23 30	23 30	15 55	8 7	0 22	
T 17	23 26 13 44	4 49	21 53	0 21	16 41	2 14	24 1	0 57	6 44	1 17	22 26	0 4	23 5	0 25	22 7	1 12	4 15	16 29	23 30	23 30	15 57	8 7	0 22	
F 18	23 23 18 10	4 8	21 33	0 5	17 0	2 12	23 57	0 57	6 45	1 17	22 25	0 4	23 4	0 25	22 8	1 12	4 15	16 29	23 30	23 30	15 59	8 6	0 22	
S 19	23 20 21 33	3 11	21 15	0n11	17 18	2 11	23 53	0 57	6 46	1 17	22 24	0 4	23 4	0 25	22 8	1 12	4 15	16 30	23 30	23 30	16 1	8 6	0 22	
S 20	23 17 23 33	2 1	20 57	0 29	17 36	2 9	23 49	0 58	6 47	1 16	22 24	0 4	23 4	0 25	22 8	1 12	4 16	16 30	23 30	23 30	16 3	8 6	0 22	
M21	23 13 23 58	0 44	20 40	0 48	17 53	2 8	23 45	0 58	6 49	1 16	22 23	0 4	23 3	0 25	22 8	1 12	4 16	16 31	23 30	23 30	16 5	8 6	0 22	
T 22	23 9 22 48	0n35	20 25	1 7	18 11	2 6	23 40	0 58	6 50	1 16	22 22	0 4	23 3	0 25	22 8	1 12	4 16	16 31	23 30	23 30	16 7	8 6	0 21	
W23	23 4 20 14	1 50	20 12	1 26	18 27	2 4	23 35	0 58	6 52	1 15	22 21	0 4	23 2	0 25	22 8	1 12	4 16	16 32	23 30	23 30	16 9	8 6	0 21	
T 24	22 59 16 33	2 57	20 0	1 45	18 44	2 2	23 30	0 59	6 53	1 15	22 20	0 3	23 2	0 25	22 8	1 13	4 16	16 32	23 30	23 30	16 11	8 6	0 21	
F 25	22 54 12 8	3 53	19 50	2 4	18 59	2 0	23 24	0 59	6 55	1 15	22 20	0 3	23 2	0 25	22 8	1 13	4 16	16 33	23 30	23 30	16 13	8 6	0 21	
S 26	22 47 7 16	4 35	19 42	2 21	19 15	1 58	23 18	0 59	6 57	1 15	22 19	0 3	23 1	0 25	22 8	1 13	4 16	16 33	23 30	23 30	16 15	8 6	0 21	
S 27	22 41 2 14	5 2	19 36	2 38	19 29	1 56	23 12	1 0	6 59	1 14	22 18	0 3	23 1	0 25	22 9	1 13	4 16	16 34	23 30	23 30	16 16	8 6	0 21	
M28	22 34 2n46	5 15	19 32	2 52	19 44	1 53	23 6	1 0	7 1	1 14	22 17	0 3	23 0	0 25	22 9	1 13	4 17	16 34	23 30	23 30	16 18	8 6	0 21	
T 29	22 27 7 33	5 13	19 30	3 4	19 58	1 51	23 0	1 0	7 3	1 14	22 16	0 3	23 0	0 25	22 9	1 13	4							