

SWISS EPHEMERIS for the year 1500

JANUARY 1500 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
W 1	7 15 45	19°26'06"	15°31'11"	16°31'17"	18°38'21"	24°09'14"	24°36'16"	14°R 2	24°38'41"	14°35'51"	24°38'38"	16°R36	15°II 7	19°II24	14°R28	
T 2	7 19 42	20°27'14"	0°31'11"	17°55'17"	19°17'19"	24°46'24"	24°29'14"	14°B 2	24°7'14"	14°53'24"	24°40'16"	16°II32	15° 4	19°31'14"	14°II25	
F 3	7 23 38	21°28'21"	14°56'29"	19°34'21"	20°33'25"	25°17'24"	24°42'14"	1° 1	24°10'14"	14°56'24"	24°41'16"	16°26'15"	15° 0	19°37'14"	14°22'19"	
S 4	7 27 35	22°29'28"	29°19'21"	21°14'21"	21°48'25"	25°49'24"	24°56'14"	1° 1	24°13'14"	14°58'24"	24°43'16"	16°21'14"	14°57'19"	19°44'14"	14°20'19"	
S 5	7 31 31	23°30'33"	13°16'13"	22°54'23"	23° 4'26"	26°20'25"	25° 9'14"	1° 1	24°16'15"	15° 0'24"	24°44'16"	16°15'14"	14°54'19"	19°51'14"	14°17'19"	
M 6	7 35 28	24°31'38"	26°45'24"	24°35'24"	24°19'26"	26°52'25"	25°23'14"	D 0	24°19'15"	15° 2'24"	24°46'16"	16°10'14"	14°51'19"	19°57'14"	14°14'19"	
T 7	7 39 24	25°32'41"	9°47'9"	26°16'25"	25°34'27"	27°24'25"	25°36'14"	0	24°22'15"	15° 5'24"	24°47'16"	16° 7'14"	14°48'20"	20° 4'14"	14°12'19"	
W 8	7 43 21	26°33'44"	22°24'27"	27°58'26"	26°50'27"	27°56'25"	25°50'14"	1° 1	24°26'15"	15° 7'24"	24°48'16"	16°D 6	14°44'20"	20°11'14"	14° 9'19"	
T 9	7 47 18	27°34'45"	4°40'29"	29°41'28"	28° 5'28"	28°29'26"	26° 3'14"	1° 1	24°29'15"	15° 9'24"	24°50'16"	16° 6'14"	14°41'20"	20°17'14"	14° 7'19"	
F 10	7 51 14	28°35'46"	16°42'18"	29°21'29"	29° 1'26"	26°17'14"	14° 1'24"	1° 1	24°32'15"	11'24"	24°51'16"	16° 7'14"	14°38'20"	20°24'14"	14° 4'19"	
S 11	7 55 11	29°36'45"	28°34'3°	30°08'36"	29°34'26"	26°30'14"	14° 2'24"	1° 1	24°35'15"	14'24"	24°52'16"	16° 9'14"	14°35'20"	20°30'14"	14° 2'19"	
S 12	7 59 7	0°37'43"	10°II21	4°52'1°	5°1'0°	6° 26'44"	14° 2'24"	1° 1	24°38'15"	16'24"	24°54'16"	16°R10	14°32'20"	20°37'14"	14° 0'19"	
M13	8 3 4	1°38'40"	22° 7'	6°37'3°	7° 0°39"	26°58'14"	14° 3'24"	1° 1	24°42'15"	18'24"	24°55'16"	16°10'14"	14°29'20"	20°44'13"	13°58'19"	
T 14	8 7 0	2°39'36"	3°35'7"	8°22'4°	9°2'1°	12° 27°12"	14° 4'24"	1° 1	24°45'15"	20'24"	24°56'16"	16° 8'14"	14°25'20"	20°50'13"	13°55'19"	
W15	8 10 57	3°40'31"	15°54'10"	10° 8'5°	11°54'6°	13° 27°26"	14° 5'24"	1° 1	24°48'15"	23'24"	24°57'16"	16° 4'14"	14°22'20"	20°57'13"	13°53'19"	
T 16	8 14 54	4°41'24"	28° 0'	11°54'6°	12°18'2°	13° 27°39"	14° 6'24"	1° 1	24°51'15"	25'24"	24°59'15"	15°58'14"	14°19'21"	21° 4'13"	13°51'19"	
F 17	8 18 50	5°42'17"	10°II16	13°40'8°	8° 8'2°	13° 27°53"	14° 7'24"	1° 1	24°55'15"	27'24"	25° 0'15"	15°49'14"	14°16'21"	21°10'13"	13°50'19"	
S 18	8 22 47	6°43'08"	22°44'15"	15°27'9°	16°23'3°	25° 28° 7'	14° 8'24"	1° 1	24°58'15"	29'24"	25° 1'15"	15°40'14"	14°13'21"	21°17'13"	13°48'19"	
S 19	8 26 43	7°43'58"	5°17'23"	17°14'10°	18°38'3°	28°21'14°	9° 25° 1'	1° 1	25° 1'15"	31'24"	25° 2'15"	15°30'14°	14° 9'21"	21°24'13"	13°46'19"	
M20	8 30 40	8°44'47"	18°15'19°	11°54'0°	12°54'4°	32° 28°35"	14°11'25°	1° 1	25° 5'15"	33'24"	25° 3'15"	15°20'14°	14° 6'21"	21°30'13"	13°44'19"	
T 21	8 34 36	9°45'35"	1°18'18"	20°47'13°	9° 5'5°	36° 28°49"	14°13'25°	1° 1	25° 8'15"	35'24"	25° 4'15"	15°13'14°	14° 3'21"	21°37'13"	13°43'19"	
W22	8 38 33	10°46'22"	14°35'22°	22°33'14°	14°24'5°	40° 29° 4'	14°14'25°	1° 1	25°11'15"	38'24"	25° 5'15"	15° 7'14°	14° 0'21"	21°44'13"	13°41'19"	
T 23	8 42 29	11°47'08"	28° 4'	24°18'15°	15°39'6°	44° 29°18"	14°16'25°	1° 1	25°15'15"	40'24"	25° 6'15"	15° 4'13°	13°57'21"	21°50'13"	13°40'19"	
F 24	8 46 26	12°47'53"	11°II47	26° 2'16°	16°55'6°	48° 29°32"	14°18'25°	1° 1	25°18'15"	42'24"	25° 7'15°	15°D 3	13°54'21"	21°57'13"	13°38'19"	
S 25	8 50 22	13°48'38"	25°44'27°	18°10'7°	18°10'7°	52° 29°46"	14°20'25°	1° 1	25°22'15"	44'24"	25° 7'15°	15° 3'13°	13°50'22°	22° 4'13"	13°37'19"	
S 26	8 54 19	14°49'21"	9°17'56"	19°27'19°	19°25'7°	56° 0°14"	14°22'25°	1° 1	25°25'15"	46'24"	25° 8'15°	15°R 4	13°47'22°	22°10'13°	13°36'19"	
M27	8 58 16	15°50'03"	24°22'1°	20°40'8°	20°40'8°	58° 0°15"	14°24'25°	1° 1	25°28'15"	48'24"	25° 9'15°	15° 4'13°	13°44'22°	22°17'13°	13°35'19"	
T 28	9 2 12	16°50'44"	8°35'8"	2°43'21°	21°55'9°	60° 0°29"	14°27'25°	1° 1	25°32'15"	50'24"	25°10'15°	15° 2'13°	13°41'22°	22°23'13°	13°34'19"	
W29	9 6 9	17°51'23"	23°40'4°	4°17'23°	23°11'9°	62° 0°43"	14°29'25°	1° 1	25°35'15"	52'24"	25°11'14°	15°57'13°	13°38'22°	22°30'13°	13°33'19"	
T 30	9 10 5	18°52'02"	8°21'5°	5°47'24°	24°26'10°	64° 0°57"	14°32'25°	1° 1	25°39'15"	54'24"	25°11'14°	15°49'13°	13°35'22°	22°37'13°	13°32'19"	
F 31	9 14 2	19°52'38"	22°34'7°	13°13'25°	25°41'10°	66° 1°12"	14°34'25°	1° 1	25°42'15"	56'24"	25°12'14°	14°II39	13°II31	22°II43	13°II31	

Day	☉	☽	♂	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
W 1	22s 6'	25s 7'	2s30'	24s21'	1s51'	23s 5'	0s48'	10n11'	0n49'	14s22'	0s57'	13n55'	2s17'	14s12'	0s43'	22s 2'
T 2	21 57'	23 41'	3 36'	24 11'	1 54'	22 57'	0 50'	10 24'	0 50'	14 17'	0 57'	13 55'	2 16'	14 11'	0 43'	22 2'
F 3	21 47'	20 38'	4 26'	24 0'	1 57'	22 47'	0 52'	10 36'	0 51'	14 13'	0 57'	13 55'	2 16'	14 10'	0 43'	22 1'
S 4	21 37'	16 23'	4 58'	23 47'	1 59'	22 37'	0 54'	10 48'	0 52'	14 8'	0 57'	13 56'	2 16'	14 9'	0 43'	22 1'
S 5	21 27'	11 22'	5 11'	23 32'	2 12'	22 27'	0 56'	11 1'	0 53'	14 4'	0 57'	13 56'	2 15'	14 8'	0 43'	22 1'
M 6	21 16'	5 58'	5 6'	23 16'	2 22'	22 16'	0 58'	11 13'	0 54'	13 59'	0 57'	13 56'	2 15'	14 7'	0 43'	22 1'
T 7	21 5'	0 29'	4 45'	22 58'	3 22'	22 4'	1 0'	11 26'	0 55'	13 55'	0 57'	13 56'	2 15'	14 6'	0 43'	22 0'
W 8	20 54'	4n51'	4 11'	22 39'	4 21'	22 51'	1 1'	11 38'	0 55'	13 50'	0 57'	13 57'	2 15'	14 5'	0 43'	22 0'
T 9	20 42'	9 52'	3 26'	22 18'	5 21'	22 38'	1 3'	11 50'	0 56'	13 45'	0 57'	13 57'	2 14'	14 4'	0 43'	22 0'
F 10	20 30'	14 25'	2 33'	21 55'	6 21'	22 55'	1 4'	12 3'	0 57'	13 41'	0 57'	13 57'	2 14'	14 3'	0 43'	22 0'
S 11	20 17'	18 22'	1 34'	21 31'	7 21'	22 31'	1 6'	12 15'	0 58'	13 36'	0 57'	13 58'	2 14'	14 2'	0 43'	21 59'
S 12	20 4 21'	32 5'	0 32'	21 5'	8 23'	20 54'	1 8'	12 27'	0 59'	13 31'	0 57'	13 58'	2 13'	14 1'	0 43'	21 59'
M13	19 51'	23 48'	0n32'	20 38'	9 12'	20 38'	1 9'	12 39'	0 59'	13 27'	0 57'	13 59'	2 13'	14 0'	0 43'	21 59'
T 14	19 37'	25 1'	1 35'	20 9'	10 19'	20 22'	1 10'	12 52'	0 57'	13 22'	0 57'	13 59'	2 13'	13 59'	0 43'	21 59'
W15	19 23'	25 6'	2 34'	19 38'	11 57'	20 5'	1 12'	13 4'	1 1'	13 17'	0 57'	14 0'	2 12'	13 58'	0 43'	21 59'
T 16	19 9'	23 59'	3 26'	19 5'	12 54'	19 47'	1 13'	13 16'	1 1'	13 12'	0 57'	14 1'	2 12'	13 56'	0 43'	21 58'
F 17	18 54'	21 43'	4 10'	18 31'	13 50'	19 29'	1 14'	13 28'	1 2'	13 7'	0 57'	14 1'	2 12'	13 55'	0 43'	21 58'
S 18	18 39'	18 25'	4 42'	17 56'	14 46'	19 10'	1 16'	13 40'	1 3'	13 3'	0 57'	14 2'	2 12'	13 54'	0 43'	21 58'
S 19	18 23'	14 13'	5 1'	17 19'	15 41'	18 51'	1 17'	13 52'	1 3'	12 58'	0 57'	14 2'	2 11'	13 53'	0 43'	21 58'
M20	18 7'	9 20'	5 6'	16 41'	16 35'	18 31'	1 18'	14 4'	4 1'	12 53'	0 57'	14 3'	2 11'	13 52'	0 43'	21 57'
T 21	17 51'	3 58'	4 54'	16 1'	17 19'	18 11'	1 19'	14 16'	1 5'	12 48'	0 57'	14 4'	2 11'	13 51'	0 42'	21 57'
W22	17 35'	1s40'	4 27'	15 20'	18 22'	17 50'	1 20'	14 28'	1 5'	12 43'	0 57'	14 5'	2 10'	13 50'	0 42'	21 57'
T 23	17 18'	7 19'	3 44'	14 38'	19 14'	17 28'	1 21'	14 40'	1 6'	12 38'	0 57'	14 6'	2 10'	13 48'	0 42'	21 57'
F 24	17 1'	12 44'	2 48'	13 55'	19 6'	17 6'	1 22'	14 51'	1 6'	12 33'	0 57'	14 6'	2 10'	13 47'	0 42'	21 56'
S 25	16 44'	17 36'	1 42'	13 11'	20 57'	16 44'	1 22'	15 3'	1 7'	12 28'	0 57'	14 7'	2 10'	13 46'	0 42'	21 56'
S 26	16 26'	21 33'	0 27'	12 26'	21 47'	16 21'	1 23'	15 15'	1 7'	12 23'	0 57'	14 8'	2 9'	13 45'	0 42'	21 56'
M27	16 8'	24 13'	0s50'	11 41'	22 37'	15 58'	1 24'	15 26'	1 8'	12 18'	0 57'	14 9'	2 9'	13 44'	0 42'	21 56'
T 28	15 50'	25 16'	2 4'	10 56'	23 25'	15 34'	1 24'									

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
S 1	9 17 58	20°53'14	7°11	8°33	26°56	11°20	1°26	14°37	25°46	15°58	25°12	14°R28	13°28	22°50	13°R30
S 2	9 21 55	21°53'47	21° 7	9°49	28°11	11°55	1°41	14°40	25°49	16° 0	25°13	14°II17	13°25	22°57	13°II30
M 3	9 25 52	22°54'19	4°38	10°58	29°26	12°30	1°55	14°43	25°53	16° 2	25°14	14° 7	13°22	23° 3	13°29
T 4	9 29 48	23°54'49	17°43	12° 0	0°41	13° 4	2° 9	14°46	25°56	16° 4	25°14	14° 0	13°19	23°10	13°29
W 5	9 33 45	24°55'17	0°24	12°54	1°56	13°39	2°24	14°49	25°59	16° 6	25°15	13°54	13°15	23°17	13°28
T 6	9 37 41	25°55'43	12°44	13°41	3°11	14°14	2°38	14°53	26° 3	16° 7	25°15	13°52	13°12	23°23	13°28
F 7	9 41 38	26°56'07	24°48	14°18	4°26	14°49	2°53	14°56	26° 6	16° 9	25°15	13°D51	13° 9	23°30	13°28
S 8	9 45 34	27°56'30	6°40	14°46	5°41	15°24	3° 7	15° 0	26°10	16°11	25°16	13°51	13° 6	23°37	13°28
S 9	9 49 31	28°56'50	18°28	15° 5	6°56	15°59	3°22	15° 3	26°13	16°13	25°16	13°R51	13° 3	23°43	13°D28
M 10	9 53 27	29°57'09	0°16	15°R14	8°11	16°34	3°36	15° 7	26°17	16°15	25°16	13°50	13° 0	23°50	13°28
T 11	9 57 24	0°57'25	12° 8	15°13	9°26	17° 9	3°51	15°11	26°20	16°16	25°17	13°47	12°56	23°57	13°28
W 12	10 1 21	1°57'40	24°11	15° 2	10°41	17°44	4° 5	15°14	26°24	16°18	25°17	13°41	12°53	24° 3	13°28
T 13	10 5 17	2°57'52	6°25	14°43	11°56	18°20	4°19	15°18	26°27	16°20	25°17	13°32	12°50	24°10	13°28
F 14	10 9 14	3°58'03	18°55	14°14	13°11	18°55	4°34	15°22	26°31	16°22	25°17	13°20	12°47	24°16	13°29
S 15	10 13 10	4°58'12	1°40	13°37	14°26	19°30	4°48	15°27	26°34	16°23	25°17	13° 8	12°44	24°23	13°29
S 16	10 17 7	5°58'18	14°40	12°53	15°40	20° 5	5° 3	15°31	26°37	16°25	25°17	12°54	12°41	24°30	13°30
M 17	10 21 3	6°58'23	27°54	12° 3	16°55	20°41	5°17	15°35	26°41	16°26	25°17	12°41	12°37	24°36	13°30
T 18	10 25 0	7°58'26	11°21	11° 9	18°10	21°16	5°32	15°40	26°44	16°28	25°R17	12°30	12°34	24°43	13°31
W 19	10 28 56	8°58'28	24°57	10°11	19°25	21°52	5°46	15°44	26°48	16°30	25°17	12°22	12°31	24°50	13°32
T 20	10 32 53	9°58'27	8°14	9°11	20°39	22°27	6° 1	15°49	26°51	16°31	25°17	12°17	12°28	24°56	13°32
F 21	10 36 49	10°58'26	22°33	8°10	21°54	23° 3	6°15	15°53	26°54	16°33	25°17	12°15	12°25	25° 3	13°33
S 22	10 40 46	11°58'22	6°31	7°11	23° 9	23°39	6°30	15°58	26°58	16°34	25°17	12°14	12°21	25°10	13°34
S 23	10 44 43	12°58'17	20°36	6°13	24°23	24°14	6°44	16° 3	27° 1	16°36	25°17	12°14	12°18	25°16	13°36
M 24	10 48 39	13°58'11	4°35	5°19	25°38	24°50	6°59	16° 8	27° 5	16°37	25°17	12°13	12°15	25°23	13°37
T 25	10 52 36	14°58'02	18°59	4°29	26°53	25°26	7°13	16°13	27° 8	16°39	25°17	12°10	12°12	25°30	13°38
W 26	10 56 32	15°57'52	3°15	3°43	28° 7	26° 1	7°27	16°18	27°11	16°40	25°16	12° 5	12° 9	25°36	13°39
T 27	11 0 29	16°57'40	17°29	3° 4	29°22	26°37	7°42	16°23	27°15	16°41	25°16	11°56	12° 6	25°43	13°41
F 28	11 4 25	17°57'27	1°37	2°30	0°36	27°13	7°56	16°28	27°18	16°43	25°16	11°45	12° 2	25°50	13°42
S 29	11 8 22	18°57'11	15°33	2°32	1°51	27°49	8°11	16°34	27°21	16°44	25°15	11°33	11°59	25°56	13°44

Day	☉		☽		♀		♂		♃		♄		♅		♆		♁		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
S 1	14s34	13s32	5s 1	7s58	0n27	13s55	1s26	16n23	1n10	11s53	0s57	14n14	2s 7	13s38	0s42	21s54	0n39	6s 9	13n21	22n36	22n29	24n 9	16n54	5s38
S 2	14 15 8 8	5 1 7	16 0 41	13 29	1 27	16 34	1 11	11 48	0 57	14 15	2 7	13 37	0 42	21 54	0 39	6 8	13 21	22 35	22 28	24 10	16 54	5 37		
M 3	13 55 2 30	4 44	6 36	0 56	13 3	1 27	16 45	1 11	11 42	0 57	14 17	2 7	13 36	0 42	21 54	0 39	6 8	13 22	22 33	22 28	24 11	16 54	5 37	
T 4	13 35 3n 5	4 13	5 59	1 11	12 37	1 27	16 56	1 12	11 37	0 57	14 18	2 7	13 34	0 42	21 54	0 39	6 8	13 22	22 33	22 28	24 13	16 55	5 37	
W 5	13 15 8 22	3 29	5 24	1 27	12 10	1 27	17 7	1 12	11 32	0 57	14 19	2 6	13 33	0 42	21 54	0 39	6 8	13 22	22 32	22 27	24 14	16 55	5 36	
T 6	12 55 13 12	2 38	4 52	1 42	11 43	1 27	17 18	1 12	11 27	0 57	14 20	2 6	13 32	0 42	21 53	0 39	6 7	13 23	22 32	22 27	24 15	16 55	5 36	
F 7	12 34 17 25	1 40	4 23	1 58	11 16	1 27	17 29	1 13	11 22	0 57	14 21	2 6	13 31	0 42	21 53	0 39	6 7	13 23	22 31	22 26	24 16	16 56	5 36	
S 8	12 13 20 51	0 38	3 58	2 13	10 48	1 27	17 40	1 13	11 16	0 57	14 23	2 6	13 30	0 42	21 53	0 39	6 7	13 23	22 32	22 26	24 17	16 56	5 35	
S 9	11 52 23 25	0n25	3 38	2 27	10 20	1 27	17 50	1 14	11 11	0 57	14 24	2 5	13 29	0 42	21 53	0 39	6 6	13 24	22 32	22 26	24 19	16 56	5 35	
M 10	11 31 24 56	1 26	3 21	2 41	9 52	1 27	18 1	1 14	11 6	0 57	14 25	2 5	13 27	0 42	21 52	0 39	6 6	13 24	22 31	22 25	24 20	16 57	5 35	
T 11	11 10 25 20	2 24	3 10	2 54	9 23	1 26	18 11	1 14	11 1	0 57	14 27	2 5	13 26	0 42	21 52	0 39	6 6	13 25	22 31	22 25	24 21	16 57	5 34	
W 12	10 48 24 33	3 16	3 3	3 6	8 54	1 26	18 22	1 15	10 56	0 57	14 28	2 4	13 25	0 42	21 52	0 39	6 5	13 25	22 30	22 24	24 22	16 57	5 34	
T 13	10 27 22 36	4 0	3 1	3 17	7 25	1 26	18 32	1 15	10 50	0 57	14 29	2 4	13 24	0 42	21 52	0 39	6 5	13 25	22 29	22 24	24 23	16 58	5 33	
F 14	10 5 19 32	4 34	3 3	3 26	7 56	1 25	18 42	1 15	10 45	0 57	14 31	2 4	13 23	0 42	21 52	0 39	6 5	13 26	22 28	22 24	24 24	16 58	5 33	
S 15	9 43 15 29	4 54	3 11	3 33	7 27	1 25	18 52	1 16	10 40	0 57	14 32	2 4	13 22	0 42	21 51	0 39	6 4	13 26	22 26	22 23	24 26	16 59	5 33	
S 16	9 21 10 40	5 0	3 22	3 39	6 57	1 24	19 2	1 16	10 35	0 57	14 34	2 3	13 20	0 42	21 51	0 39	6 4	13 27	22 24	22 23	24 27	16 59	5 32	
M 17	8 59 5 16	4 50	3 38	3 42	6 27	1 23	19 12	1 16	10 29	0 57	14 35	2 3	13 19	0 43	21 51	0 39	6 4	13 27	22 23	22 22	24 28	16 59	5 32	
T 18	8 36 0s27	4 24	3 58	3 43	5 57	1 23	19 21	1 16	10 24	0 57	14 37	2 3	13 18	0 43	21 51	0 39	6 3	13 27	22 21	22 22	24 29	17 0	5 32	
W 19	8 14 6 14	3 42	4 20	3 42	5 27	1 22	19 31	1 17	10 19	0 58	14 38	2 3	13 17	0 43	21 51	0 39	6 3	13 28	22 20	22 22	24 30	17 0	5 31	
T 20	7 51 11 48	2 47	4 45	3 40	4 57	1 21	19 41	1 17	10 13	0 58	14 40	2 2	13 16	0 43	21 50	0 39	6 3	13 28	22 20	22 21	24 31	17 1	5 31	
F 21	7 28 16 49	1 42	5 12	3 35	4 27	1 20	19 50	1 17	10 8	0 58	14 41	2 2	13 15	0 43	21 50	0 39	6 2	13 28	22 19	22 21	24 32	17 1	5 31	
S 22	7 5 20 58	0 30	5 41	3 28	3 56	1 19	19 59	1 18	10 3	0 58	14 43	2 2	13 13	0 43	21 50	0 39	6 2	13 29	22 19	22 20	24 34	17 2	5 30	
S 23	6 42 23 54	0s44	6 10	3 19	3 26	1 18	20 8	1 18	9 57	0 58	14 45	2 2	13 12	0 43	21 50	0 39	6 1	13 29	22 19	22 20	24 35	17 2	5 30	
M 24	6 19 25 21	1 56	6 39	3 9	2 55	1 17	20 17	1 18	9 52	0 58	14 46	2 1	13 11	0 43	21 50	0 39	6 1	13 30	22 19	22 19	24 36	17 3	5 30	
T 25	5 56 25 9	3 1	7 8	2 58	2 24	1 16	20 26	1 18	9 47	0 58	14 48	2 1	13 10	0 43	21 49	0 39	6 1	13 30	22 19	22 19	24 37	17 3	5 29	
W 26	5 33 23 17	3 55	7 36	2 45	1 53	1 14	20 35	1 18	9 41	0 58	14 50	2 1	13 9	0 43	21 49	0 39	6 0	13 30	22 18	22 19	24 38	17 4	5 29	
T 27	5 10 19 59	4 34	8 3	2 32	1 22	1 13	20 44	1 19	9 36	0 58	14 51	2 1	13 8	0 43	21 49	0 39	6 0	13 31	22 17	22 18	24 39	17 4	5 29	
F 28	4 46 15 32	4 56	8 28	2 18	0 51	1 12	20 52	1 19	9 31	0 58	14 53	2 0	13 7	0 43	21 49	0 39	5 59	13 31	22 15	22 18	24 40	17 5	5 28	
S 29	4s23	10s19	5s 0	8s51	2n 4	0s20	1s10	21n 1	1n19	9s26	0s58	14n55	2s 0	13s 6	0s43	21s49	0n39	5s59	13n31	22n14	22n17	24n41	17n 5	5s28

Julian Day Number = 2268963.5, Delta T = 196.17 sec
 Ecliptic obliquity = 23°30'18, Nutation = - 0°00'15
 Ayanamsha: Fagan/Bradley = 17°45'55, Lahiri = 16°52'55 Julian Calendar 1 Feb. 1500 == Greg. Calendar 10 Feb. 1500

SWISS EPHEMERIS for the year 1500

MARCH 1500 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	11 12 18	19°56'53	29°13	1°R40	3°V 5	28°25	8°H25	16°839	27°24	16°345	25°R15	11°R20	11°II56	26°II 3	13°II45								
M 2	11 16 15	20°56'33	12°V34	1°H25	4°20	29° 1	8°39	16°44	27°28	16°46	25°M14	11°II 8	11°53	26° 9	13°47								
T 3	11 20 12	21°56'11	25°33	1°16	5°34	29°37	8°54	16°50	27°31	16°48	25°14	10°59	11°50	26°16	13°49								
W 4	11 24 8	22°55'47	8°11	1°D13	6°49	0°II13	9° 8	16°55	27°34	16°49	25°13	10°52	11°47	26°23	13°51								
T 5	11 28 5	23°55'21	20°31	1°16	8° 3	0°49	9°22	17° 1	27°37	16°50	25°13	10°48	11°43	26°29	13°53								
F 6	11 32 1	24°54'52	2°II36	1°25	9°18	1°25	9°36	17° 7	27°40	16°51	25°12	10°47	11°40	26°36	13°55								
S 7	11 35 58	25°54'21	14°30	1°39	10°32	2° 1	9°51	17°13	27°44	16°52	25°12	10°D47	11°37	26°43	13°57								
S 8	11 39 54	26°53'48	26°19	1°58	11°46	2°37	10° 5	17°19	27°47	16°53	25°11	10°R47	11°34	26°49	13°59								
M 9	11 43 51	27°53'12	8°7	2°23	13° 1	3°13	10°19	17°25	27°50	16°54	25°10	10°46	11°31	26°56	14° 1								
T 10	11 47 47	28°52'34	20° 2	2°51	14°15	3°49	10°33	17°31	27°53	16°55	25°10	10°44	11°27	27° 3	14° 4								
W 11	11 51 44	29°51'54	2°Q 7	3°25	15°29	4°26	10°47	17°37	27°56	16°56	25° 9	10°40	11°24	27° 9	14° 6								
T 12	11 55 41	0°V51'12	14°27	4° 2	16°43	5° 2	11° 1	17°43	27°59	16°57	25° 8	10°33	11°21	27°16	14° 9								
F 13	11 59 37	1°50'27	27° 5	4°43	17°57	5°38	11°15	17°49	28° 2	16°58	25° 8	10°24	11°18	27°23	14°11								
S 14	12 3 34	2°49'40	10°II 3	5°28	19°11	6°14	11°29	17°55	28° 5	16°59	25° 7	10°13	11°15	27°29	14°14								
S 15	12 7 30	3°48'51	23°21	6°16	20°26	6°51	11°43	18° 2	28° 8	17° 0	25° 6	10° 1	11°12	27°36	14°17								
M 16	12 11 27	4°47'59	6°57	7° 8	21°40	7°27	11°57	18° 8	28°11	17° 1	25° 5	9°50	11° 8	27°43	14°19								
T 17	12 15 23	5°47'06	20°49	8° 3	22°54	8° 3	12°11	18°14	28°14	17° 2	25° 4	9°41	11° 5	27°49	14°22								
W 18	12 19 20	6°46'10	4°M51	9° 1	24° 8	8°40	12°25	18°21	28°17	17° 2	25° 3	9°34	11° 2	27°56	14°25								
T 19	12 23 16	7°45'13	19° 0	10° 1	25°22	9°16	12°39	18°27	28°20	17° 3	25° 2	9°30	10°59	28° 3	14°28								
F 20	12 27 13	8°44'14	3°A13	11° 4	26°36	9°52	12°52	18°34	28°22	17° 4	25° 1	9°D29	10°56	28° 9	14°31								
S 21	12 31 10	9°43'13	17°25	12°10	27°49	10°29	13° 6	18°41	28°25	17° 4	25° 0	9°29	10°52	28°16	14°34								
S 22	12 35 6	10°42'10	1°36	13°18	29° 3	11° 5	13°20	18°47	28°28	17° 5	24°59	9°29	10°49	28°22	14°37								
M 23	12 39 3	11°41'06	15°43	14°29	0°17	11°41	13°34	18°54	28°31	17° 6	24°58	9°R29	10°46	28°29	14°41								
T 24	12 42 59	12°40'00	29°46	15°42	1°31	12°18	13°47	19° 1	28°34	17° 6	24°57	9°28	10°43	28°36	14°44								
W 25	12 46 56	13°38'52	13°33	16°57	2°45	12°54	14° 1	19° 8	28°36	17° 7	24°56	9°25	10°40	28°42	14°47								
T 26	12 50 52	14°37'43	27°33	18°14	3°59	13°31	14°14	19°15	28°39	17° 7	24°55	9°19	10°37	28°49	14°51								
F 27	12 54 49	15°36'31	11°H13	19°33	5°12	14° 7	14°28	19°21	28°42	17° 8	24°54	9°11	10°33	28°56	14°54								
S 28	12 58 45	16°35'18	24°43	20°54	6°26	14°44	14°41	19°28	28°44	17° 8	24°53	9° 2	10°30	29° 2	14°58								
S 29	13 2 42	17°34'03	7°V59	22°17	7°40	15°20	14°54	19°35	28°47	17° 8	24°51	8°53	10°27	29° 9	15° 1								
M 30	13 6 38	18°32'46	21° 0	23°42	8°53	15°57	15° 8	19°42	28°49	17° 9	24°50	8°45	10°24	29°16	15° 5								
T 31	13 10 35	19°31'26	3°B44	25°H 8	10°8	16°II33	15°H21	19°B50	28°52	17°9	24°M49	8°II38	10°II21	29°II22	15°II 9								

Day	☉	☽	♀	♂	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	4s 0	4s41	4s46	9s13	1n49	0n11	1s 9	21n 9	1n19	9s20	0s58	14n56	2s 0	13s 4	0s43	21s49	0n39	5s58	13n32	22n12	22n17	24n42	17n 6	5s27
M 2	3 36	1n 2	4 17	9 32	1 34	0 42	1 7	21 17	1 19	9 15	0 58	14 58	2 0	13 3	0 43	21 48	0 39	5 58	13 32	22 10	22 17	24 43	17 6	5 27
T 3	3 12	6 34	3 35	9 49	1 19	1 13	1 6	21 25	1 20	9 10	0 58	15 0	2 0	13 2	0 43	21 48	0 39	5 58	13 32	22 9	22 16	24 44	17 7	5 27
W 4	2 49	11 42	2 44	10 4	1 5	1 44	1 4	21 33	1 20	9 4	0 59	15 2	1 59	13 1	0 43	21 48	0 39	5 57	13 33	22 8	22 16	24 45	17 7	5 26
T 5	2 25	16 14	1 45	10 16	0 50	2 15	1 3	21 41	1 20	8 59	0 59	15 4	1 59	13 0	0 43	21 48	0 39	5 57	13 33	22 8	22 15	24 46	17 8	5 26
F 6	2 2	20 2	0 43	10 26	0 36	2 46	1 1	21 49	1 20	8 54	0 59	15 5	1 59	12 59	0 43	21 48	0 39	5 56	13 33	22 7	22 15	24 47	17 9	5 26
S 7	1 38	22 56	0n20	10 34	0 22	3 17	0 59	21 56	1 20	8 48	0 59	15 7	1 59	12 58	0 43	21 48	0 39	5 56	13 34	22 7	22 14	24 48	17 9	5 25
S 8	1 14	24 49	1 22	10 40	0 9	3 47	0 57	22 3	1 20	8 43	0 59	15 9	1 58	12 57	0 43	21 47	0 39	5 55	13 34	22 7	22 14	24 49	17 10	5 25
M 9	0 51	25 35	2 20	10 43	0s 4	4 18	0 55	22 11	1 21	8 38	0 59	15 11	1 58	12 56	0 43	21 47	0 39	5 55	13 34	22 7	22 14	24 50	17 10	5 25
T 10	0 27	25 11	3 13	10 45	0 17	4 49	0 53	22 18	1 21	8 32	0 59	15 13	1 58	12 55	0 43	21 47	0 39	5 54	13 35	22 7	22 13	24 51	17 11	5 24
W 11	0 3	23 36	3 58	10 44	0 29	5 19	0 52	22 25	1 21	8 27	0 59	15 15	1 58	12 54	0 43	21 47	0 39	5 54	13 35	22 6	22 13	24 52	17 11	5 24
T 12	0n20	20 53	4 32	10 41	0 40	5 50	0 49	22 31	1 21	8 22	0 59	15 17	1 58	12 53	0 43	21 47	0 39	5 53	13 35	22 5	22 12	24 53	17 12	5 24
F 13	0 44	17 7	4 55	10 36	0 51	6 20	0 47	22 38	1 21	8 17	0 59	15 19	1 57	12 52	0 43	21 47	0 39	5 53	13 36	22 4	22 12	24 54	17 13	5 23
S 14	1 8	12 29	5 3	10 29	1 2	6 50	0 45	22 45	1 21	8 11	0 59	15 20	1 57	12 51	0 43	21 47	0 39	5 52	13 36	22 3	22 11	24 55	17 13	5 23
S 15	1 31	7 9	4 55	10 21	1 12	7 20	0 43	22 51	1 21	8 6	1 0	15 22	1 57	12 50	0 43	21 47	0 39	5 52	13 36	22 1	22 11	24 56	17 14	5 23
M 16	1 55	1 22	4 30	10 10	1 21	7 50	0 41	22 57	1 22	8 1	1 0	15 24	1 57	12 49	0 43	21 46	0 39	5 52	13 37	21 59	22 10	24 57	17 15	5 22
T 17	2 18	4s36	3 49	9 58	1 30	8 20	0 39	23 3	1 22	7 56	1 0	15 26	1 57	12 48	0 43	21 46	0 39	5 51	13 37	21 58	22 10	24 58	17 15	5 22
W 18	2 42	10 27	2 54	9 44	1 38	8 49	0 37	23 9	1 22	7 51	1 0	15 28	1 57	12 47	0 43	21 46	0 39	5 51	13 37	21 57	22 10	24 59	17 16	5 22
T 19	3 5	15 48	1 47	9 28	1 46	9 18	0 34	23 15	1 22	7 45	1 0	15 30	1 56	12 46	0 43	21 46	0 39	5 50	13 37	21 56	22 9	25 0	17 16	5 22
F 20	3 28	20 19	0 33	9 10	1 53	9 47	0 32	23 20	1 22	7 40	1 0	15 32	1 56	12 45	0 43	21 46	0 39	5 50	13 38	21 56	22 9	25 1	17 17	5 21
S 21	3 52	23 37	0s42	8 51	1 59	10 16	0 30	23 26	1 22	7 35	1 0	15 34	1 56	12 44	0 43	21 46	0 39	5 49	13 38	21 56	22 8	25 2	17 18	5 21
S 22	4 15	25 25	1 56	8 31	2 6	10 45	0 27	23 31	1 22	7 30	1 0	15 36	1 56	12 43	0 43	21 46	0 39	5 49	13 38	21 56	22 8	25 3	17 18	5 21
M 23	4 38	25 35	3 1	8 8	2 11	11 13	0 25	23 36	1 22	7 25	1 0	15 38	1 56	12 42	0 43	21 46	0 39	5 48	13 38	21 56	22 7	25 4	17 19	5 20
T 24	5 1	24 6	3 56	7 45	2 16	11 41	0 22	23 41	1 22	7 20	1 1	15 40	1 55	12 41	0 43	21 46	0 39	5 48	13 39	21 56	22 7	25 5	17 20	5 20
W 25	5 24	21 9	4 36	7 19	2 20	12 9	0 20	23 46	1 22	7 14	1 1	15 42	1 55	12 40	0 43	21 46	0 39	5 47	13 39	21 55	22 6	25 6	17 20	5 20
T 26	5 47	17 2	4 59	6 53	2 24	12 36	0 17	23 51	1 22	7 9	1 1	15 44	1 55	12 39	0 43	21 46	0 39	5 47	13 39	21 54	22 6	25 7	17 21	5 20
F 27	6 10	12 5	5 6	6 25	2 28	13 4	0 15	23 55	1 22	7 4	1 1	15 46	1 55	12 38	0 43	21 45	0 39	5 46	13 39	21 53	22 5	25 8	17 22	5 19
S 28	6 32	6 36	4 55	5 55	2 30	13 31																		

SWISS EPHEMERIS for the year 1500

APRIL 1500 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♂	♁	♁	♁	♁	♁	♁	♁	♁	♁
W 1	13 14 32	20°30'05	16°8'13	26°37'37	11°8'20	17°11'10	15°34'34	19°05'57	28°54'54	17°09'09	24°48'48	8°33'33	10°11'18	29°29'29	15°11'13	
T 2	13 18 28	21°28'42	28°27'27	28° 7'28	12°34'17	17°47'15	15°47'20	20° 4'28	28°57'17	17°10'24	24°46'46	8°33'33	10°14'10	29°36'29	15°16'15	
F 3	13 22 25	22°27'17	10°11'29	29°39'13	13°47'18	18°23'16	16° 0'20	11° 0'28	28°59'17	17°10'24	24°45'45	8°33'33	10°11'10	29°42'29	15°20'15	
S 4	13 26 21	23°25'50	22°22'22	1°17'12	15° 1'15	19° 0'16	16°13'16	20°18'20	29° 1'17	17°10'24	24°44'44	8°31'31	10° 8'10	29°49'29	15°24'15	
S 5	13 30 18	24°24'20	4°51'11	2°48'16	16°14'19	36°19'20	16°26'20	20°26'29	4° 17'10	24°42'42	8°32'32	10° 5'10	29°56'29	15°28'15		
M 6	13 34 14	25°22'48	16° 0'16	4°25'17	17°28'20	13°20'16	16°39'20	20°33'29	6° 17'10	24°41'41	8°34'34	10° 2'10	0°52'00	15°32'15		
T 7	13 38 11	26°21'15	27°55'27	6° 4'18	18°41'20	50°20'16	16°52'20	20°40'29	8° 17'11	24°40'40	8°34'34	9°58'58	0° 9'15	15°37'15		
W 8	13 42 7	27°19'39	10°02'00	7°44'19	19°54'21	26°17'20	17° 4'20	20°48'29	10° 17'11	24°38'38	8°33'33	9°55'55	0°16'15	15°41'15		
T 9	13 46 4	28°18'00	22°21'22	9°27'21	21° 8'22	3° 17'17	20°55'20	29°13'17	11° 17'11	24°37'37	8°31'31	9°52'52	0°22'15	15°45'15		
F 10	13 50 1	29°16'20	5°17'02	11°11'22	22°21'22	40°17'30	21° 3'29	15° 17°11	24°35'35	8°26'26	9°49'49	0°29'29	15°49'49	15°49'49		
S 11	13 53 57	0°14'38	18° 5'18	12°57'23	23°34'23	16°17'42	21°10'21	29°17'17	11° 17°11	24°34'34	8°21'21	9°46'46	0°36'36	15°53'53		
S 12	13 57 54	1°12'53	1°52'32	14°44'24	24°47'23	53°17'54	21°18'21	29°19'17	11° 17°11	24°32'32	8°15'15	9°43'43	0°42'42	15°58'58		
M13	14 1 50	2°11'07	15°22'15	16°33'26	26° 0'24	30°18'17	21°25'21	29°21'17	10° 17°10	24°31'31	8° 9'09	9°39'39	0°49'49	16° 2'16		
T 14	14 5 47	3° 9'19	29°32'18	18°24'27	13°25'25	7°18'19	21°33'29	29°23'17	10° 17°10	24°29'29	8° 4'04	9°36'36	0°55'55	16° 7'16		
W15	14 9 43	4° 7'29	13°11'57	20°17'28	28°26'25	43°18'31	21°40'21	29°25'17	10° 17°10	24°28'28	8° 1'01	9°33'33	1° 2'12	16°11'11		
T 16	14 13 40	5° 5'37	28°32'22	12°22'29	29°39'26	20°18'43	21°48'21	29°27'17	10° 17°10	24°26'26	7°59'59	9°30'30	1° 9'16	16°16'16		
F 17	14 17 36	6° 3'44	13°21'46	24° 8'00	22°52'00	57°18'55	21°55'29	29°28'17	10° 17°10	24°25'25	7°59'59	9°27'27	1°15'15	16°20'20		
S 18	14 21 33	7° 1'49	27°46'26	6° 2'27	34°27'34	19°19'22	22° 3'29	30°17'17	10° 17°10	24°23'23	8° 0'00	9°24'24	1°22'22	16°25'25		
S 19	14 25 30	7°59'53	12°35'15	28° 6'31	18°31'28	10°19'19	22°11'29	32°17'9	24°22'22	8° 1'01	9°20'20	1°29'29	16°30'30			
M20	14 29 26	8°57'56	2°32'08	7° 4'31	28°47'19	31°19'22	18°22'22	34°17'9	24°20'20	8° 3'03	9°17'17	1°35'35	16°34'34			
T 21	14 33 23	9°55'57	10°36'10	2°10'54	44°29'24	43°19'43	22°26'29	35°17'9	24°18'18	8°R 3'03	9°14'14	1°42'42	16°39'39			
W22	14 37 19	10°53'57	24°26'41	4°15'6	56°00'00	1°19'55	22°34'29	37°17'8	24°17'17	8° 2'02	9°11'11	1°49'49	16°44'44			
T 23	14 41 16	11°51'55	8°11'6	21° 8'9	0°37'20	6°22'41	29°39'17	8° 17°8	24°15'15	8° 0'00	9° 8'08	1°55'55	16°49'49			
F 24	14 45 12	12°49'52	2°11'22	8°28'9	22° 9'12	14°20'18	22°49'29	40°17'7	24°14'14	7°58'58	9° 4'04	2° 2'12	16°54'54			
S 25	14 49 9	13°47'48	4°17'29	10°36'10	34°10'34	1°51'20	22°57'29	42°17'7	24°12'12	7°54'54	9° 1'01	2° 9'16	16°59'59			
S 26	14 53 5	14°45'42	17°22'12	12°46'11	47°11'47	2°28'20	20°40'23	5° 29°43	17° 6'24	24°10'10	7°50'50	8°58'58	2°15'15	17° 4'16		
M27	14 57 2	15°43'35	0°18'00	14°56'12	59°12'59	3° 5'20	20°51'23	12°29°44	17° 6'24	24° 9'09	7°47'47	8°55'55	2°22'22	17° 9'16		
T 28	15 0 59	16°41'26	12°27'17	17° 7'14	12°14'12	3°42'21	23°20'23	46°17'5	24° 7'44	7°44'44	8°52'52	2°29'29	17°14'14			
W29	15 4 55	17°39'17	24°42'19	19°18'15	24° 4'18	21°13'23	28°23°28	47°17'5	24° 6'44	7°43'43	8°49'49	2°35'35	17°19'19			
T 30	15 8 52	18°37'05	6°11'47	21°18'29	37°16'37	4°55'45	21°18'23	36°23°36	48°17'4	24°4'4	7°D42	8°11'45	2°42'42	17°24'24		

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
W 1	8n 2	14n52	1s57	3s44	2s36	15n15	0s 2	24n15	1n22	6s39	1s 2	15n56	1s54	12s34	0s43	21s45	0n39	5s44	13n41	21n47	22n 3	25n12	17n25	5s18
T 2	8 24	18 59	0 54	3 9	2 36	15 40	0n 1	24 19	1 23	6 34	1 2	15 59	1 54	12 33	0 43	21 45	0 39	5 43	13 41	21 47	22 3	25 13	17 25	5 18
F 3	8 46	22 15	0n11	2 31	2 36	16 5	0 4	24 22	1 23	6 29	1 2	16 1	1 54	12 32	0 43	21 45	0 39	5 43	13 41	21 47	22 2	25 14	17 26	5 17
S 4	9 8	24 31	1 14	1 53	2 35	16 29	0 6	24 25	1 23	6 24	1 2	16 3	1 54	12 31	0 43	21 45	0 39	5 42	13 41	21 47	22 2	25 15	17 27	5 17
S 5	9 29	25 41	2 15	1 14	2 34	16 53	0 9	24 28	1 23	6 19	1 2	16 5	1 54	12 31	0 43	21 45	0 39	5 42	13 41	21 47	22 1	25 15	17 27	5 17
M 6	9 51	25 40	3 9	0 33	2 32	17 16	0 12	24 31	1 23	6 15	1 2	16 7	1 54	12 30	0 44	21 45	0 39	5 41	13 41	21 48	22 1	25 16	17 28	5 17
T 7	10 12	24 29	3 56	0n 8	2 29	17 40	0 14	24 34	1 23	6 10	1 3	16 9	1 53	12 29	0 44	21 45	0 39	5 41	13 42	21 48	22 0	25 17	17 29	5 17
W 8	10 33	22 10	4 33	0 51	2 26	18 2	0 17	24 36	1 23	6 5	1 3	16 11	1 53	12 28	0 44	21 45	0 39	5 40	13 42	21 47	22 0	25 18	17 29	5 16
T 9	10 54	18 48	4 58	1 34	2 22	18 24	0 20	24 38	1 23	6 0	1 3	16 13	1 53	12 28	0 44	21 45	0 39	5 40	13 42	21 47	21 59	25 19	17 30	5 16
F 10	11 15	14 30	5 10	2 19	2 18	18 46	0 22	24 40	1 23	5 55	1 3	16 15	1 53	12 27	0 44	21 45	0 39	5 40	13 42	21 46	21 59	25 19	17 31	5 16
S 11	11 35	9 25	5 6	3 4	2 14	19 7	0 25	24 42	1 23	5 51	1 3	16 17	1 53	12 26	0 44	21 45	0 39	5 39	13 42	21 46	21 59	25 20	17 31	5 16
S 12	11 56	3 45	4 46	3 51	2 9	19 28	0 28	24 44	1 23	5 46	1 3	16 19	1 53	12 26	0 44	21 45	0 39	5 39	13 42	21 45	21 58	25 21	17 32	5 15
M13	12 16	2s15	4 8	4 38	2 3	19 48	0 30	24 46	1 22	5 41	1 4	16 21	1 53	12 25	0 44	21 45	0 39	5 38	13 42	21 44	21 58	25 22	17 33	5 15
T 14	12 36	8 18	3 14	5 26	1 57	20 8	0 33	24 47	1 22	5 36	1 4	16 23	1 53	12 24	0 44	21 45	0 39	5 38	13 42	21 43	21 57	25 23	17 33	5 15
W15	12 56	14 2	2 8	6 15	1 50	20 27	0 36	24 49	1 22	5 32	1 4	16 25	1 52	12 24	0 44	21 45	0 39	5 37	13 43	21 42	21 57	25 23	17 34	5 15
T 16	13 15	19 3	0 51	7 4	1 43	20 45	0 38	24 50	1 22	5 27	1 4	16 27	1 52	12 23	0 44	21 45	0 39	5 37	13 43	21 42	21 56	25 24	17 35	5 15
F 17	13 35	22 55	0s28	7 54	1 35	21 3	0 41	24 51	1 22	5 23	1 4	16 29	1 52	12 22	0 44	21 45	0 39	5 36	13 43	21 42	21 56	25 25	17 35	5 15
S 18	13 54	25 15	1 46	8 45	1 27	21 21	0 44	24 51	1 22	5 18	1 4	16 31	1 52	12 22	0 44	21 45	0 39	5 36	13 43	21 42	21 55	25 26	17 36	5 14
S 19	14 13	25 52	2 57	9 36	1 19	21 38	0 46	24 52	1 22	5 14	1 5	16 34	1 52	12 21	0 44	21 45	0 39	5 36	13 43	21 42	21 55	25 26	17 36	5 14
M20	14 32	24 45	3 55	10 27	1 10	21 54	0 49	24 52	1 22	5 9	1 5	16 36	1 52	12 21	0 44	21 45	0 39	5 35	13 43	21 43	21 54	25 27	17 37	5 14
T 21	14 50	22 5	4 39	11 18	1 1	22 10	0 51	24 52	1 22	5 5	1 5	16 38	1 52	12 20	0 44	21 45	0 39	5 35	13 43	21 43	21 54	25 28	17 38	5 14
W22	15 8	18 12	5 5	12 10	0 51	22 25	0 54	24 52	1 22	5 0	1 5	16 40	1 52	12 20	0 44	21 45	0 39	5 34	13 43	21 43	21 53	25 29	17 38	5 14
T 23	15 26	13 26	5 14	13 1	0 41	22 39	0 56	24 52	1 22	4 56	1 5	16 42	1 52	12 19	0 44	21 45	0 39	5 34	13 43	21 42	21 53	25 29	17 39	5 14
F 24	15 44	8 6	5 5	13 52	0 31	22 53	0 59	24 52	1 22	4 52	1 5	16 44	1 52	12 18	0 44	21 45	0 39	5 34	13 43	21 42	21 52	25 30	17 40	5 13
S 25	16 1	2 31	4 41	14 43	0 21	23 6	1 1	24 51	1 22	4 47	1 6	16 46	1 51	12 18	0 44	21 45	0 39	5 33	13 43	21 41	21 52	25 31	17 40	5 13
S 26	16 19	3n 6	4 3	15 33	0 11	23 19	1 4	24 51	1 22	4 43	1 6	16 48	1 51	12 18	0 44	21 45	0 39	5						

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F 1	15 12 48	19°34'52	18°43	23°40	17°49	5°32	21°35	23°44	29°50	17°R 3	24°R 2	7°II43	8°II42	2°49	17°II29
S 2	15 16 45	20°32'38	0°34	25°50	19° 2	6° 9	21°46	23°51	29°51	17°3	24°1	7°44	8°39	2°55	17°34
S 3	15 20 41	21°30'22	12°22	28° 0	20°14	6°46	21°56	23°59	29°52	17° 2	23°59	7°45	8°36	3° 2	17°39
M 4	15 24 38	22°28'05	24°11	0°II 9	21°26	7°23	22° 7	24° 7	29°53	17° 1	23°57	7°46	8°33	3° 9	17°45
T 5	15 28 34	23°25'46	6°Ω 6	2°16	22°38	8° 0	22°17	24°15	29°54	17° 0	23°56	7°48	8°30	3°15	17°50
W 6	15 32 31	24°23'25	18°10	4°22	23°51	8°37	22°27	24°23	29°55	17° 0	23°54	7°48	8°26	3°22	17°55
T 7	15 36 28	25°21'03	0°Π30	6°26	25° 3	9°14	22°38	24°31	29°56	16°59	23°52	7°R48	8°23	3°29	18° 0
F 8	15 40 24	26°18'39	13° 8	8°28	26°15	9°51	22°48	24°38	29°57	16°58	23°51	7°48	8°20	3°35	18° 6
S 9	15 44 21	27°16'14	26° 9	10°28	27°27	10°28	22°57	24°46	29°58	16°57	23°49	7°47	8°17	3°42	18°11
S 10	15 48 17	28°13'47	9°Ω35	12°25	28°39	11° 4	23° 7	24°54	29°58	16°56	23°47	7°46	8°14	3°49	18°16
M11	15 52 14	29°11'19	23°28	14°21	29°50	11°41	23°17	25° 2	29°59	16°55	23°46	7°45	8°10	3°55	18°22
T 12	15 56 10	0°II 8'50	7°M45	16°13	1°Ω 2	12°18	23°27	25°10	29°59	16°54	23°44	7°44	8° 7	4° 2	18°27
W13	16 0 7	1° 6'19	22°23	18° 3	2°14	12°55	23°36	25°17	0°K 1	16°53	23°42	7°43	8° 4	4° 9	18°33
T 14	16 4 3	2° 3'47	7°A16	19°51	3°26	13°32	23°45	25°25	0° 1	16°52	23°41	7°D43	8° 1	4°15	18°38
F 15	16 8 0	3° 1'15	22°16	21°35	4°37	14° 9	23°55	25°33	0° 2	16°51	23°39	7°43	7°58	4°22	18°44
S 16	16 11 57	3°58'41	7°Z16	23°17	5°49	14°46	24° 4	25°41	0° 2	16°50	23°37	7°43	7°55	4°29	18°49
S 17	16 15 53	4°56'07	22° 6	24°56	7° 1	15°23	24°13	25°49	0° 3	16°49	23°36	7°44	7°51	4°35	18°55
M18	16 19 50	5°53'32	6°Ω40	26°33	8°12	16° 0	24°21	25°56	0° 3	16°48	23°34	7°44	7°48	4°42	19° 0
T 19	16 23 46	6°50'56	20°56	28° 6	9°24	16°37	24°30	26° 4	0° 3	16°47	23°33	7°44	7°45	4°49	19° 6
W20	16 27 43	7°48'19	4°K49	29°37	10°35	17°14	24°39	26°12	0° 4	16°46	23°31	7°44	7°42	4°55	19°11
T 21	16 31 39	8°45'42	18°21	1°Ω 4	11°46	17°51	24°47	26°19	0° 4	16°45	23°29	7°44	7°39	5° 2	19°17
F 22	16 35 36	9°43'04	1°Y31	2°29	12°58	18°28	24°55	26°27	0° 4	16°43	23°28	7°44	7°35	5° 9	19°22
S 23	16 39 32	10°40'26	14°23	3°51	14° 9	19° 6	25° 4	26°35	0° 4	16°42	23°26	7°44	7°32	5°15	19°28
S 24	16 43 29	11°37'47	26°59	5° 9	15°20	19°43	25°12	26°42	0° 5	16°41	23°25	7°45	7°29	5°22	19°33
M25	16 47 26	12°35'08	9°B21	6°25	16°31	20°20	25°20	26°50	0° 5	16°40	23°23	7°45	7°26	5°29	19°39
T 26	16 51 22	13°32'28	21°32	7°37	17°42	20°57	25°27	26°58	0°R 5	16°38	23°22	7°46	7°23	5°35	19°45
W27	16 55 19	14°29'47	3°II34	8°47	18°53	21°34	25°35	27° 5	0° 5	16°37	23°20	7°R46	7°20	5°42	19°50
T 28	16 59 15	15°27'06	15°30	9°53	20° 4	22°11	25°42	27°13	0° 4	16°36	23°19	7°46	7°16	5°48	19°56
F 29	17 3 12	16°24'24	27°20	10°56	21°15	22°48	25°50	27°20	0° 4	16°34	23°17	7°45	7°13	5°55	20° 2
S 30	17 7 8	17°21'42	9°Ω 9	11°55	22°26	23°25	25°57	27°28	0° 4	16°33	23°16	7°44	7°10	6° 2	20° 7
S 31	17 11 5	18°II18'59	20°Ω57	12°Ω51	23°Ω37	24°Ω 2	26°K 4	27°R36	0°K 4	16°R32	23°M14	7°II43	7°II 7	6°Ω 8	20°II13

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	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	17n41	24n 2	1n 1	19n25	0n42	24n12	1n16	24n45	1n22	4s22	1s 7	16n58	1s51	12s15	0s44	21s46	0n40	5s31	13n43	21n39	21n49	25n35	17n44	5s13
S 2	17 56	25 3	2 3	20 6	0 52	24 21	1 18	24 43	1 21	4 18	1 7	17 0	1 51	12 15	0 44	21 46	0 40	5 30	13 43	21 40	21 48	25 36	17 44	5 12
S 3	18 11	25 55	3 0	20 46	1 1	24 28	1 20	24 41	1 21	4 14	1 7	17 2	1 51	12 15	0 44	21 46	0 40	5 30	13 43	21 40	21 48	25 36	17 45	5 12
M 4	18 26	25 6	3 50	21 23	1 10	24 36	1 22	24 39	1 21	4 10	1 7	17 4	1 51	12 14	0 45	21 46	0 40	5 30	13 43	21 40	21 47	25 37	17 45	5 12
T 5	18 41	23 9	4 30	21 58	1 19	24 42	1 24	24 37	1 21	4 6	1 8	17 6	1 51	12 14	0 45	21 46	0 40	5 30	13 43	21 40	21 47	25 37	17 46	5 12
W 6	18 55	20 9	4 59	22 30	1 27	24 48	1 26	24 34	1 21	4 2	1 8	17 8	1 51	12 14	0 45	21 46	0 40	5 29	13 43	21 40	21 46	25 38	17 46	5 12
T 7	19 9	16 13	5 14	23 0	1 35	24 53	1 28	24 32	1 21	3 59	1 8	17 10	1 51	12 13	0 45	21 46	0 40	5 29	13 43	21 40	21 46	25 39	17 47	5 12
F 8	19 23	11 30	5 16	23 27	1 42	24 57	1 30	24 29	1 21	3 55	1 8	17 12	1 51	12 13	0 45	21 46	0 40	5 29	13 43	21 40	21 45	25 39	17 47	5 12
S 9	19 36	6 8	5 1	23 51	1 48	25 1	1 32	24 26	1 21	3 51	1 9	17 13	1 51	12 13	0 45	21 46	0 40	5 29	13 43	21 40	21 45	25 40	17 48	5 12
S 10	19 49	0 19	4 30	24 13	1 53	25 4	1 34	24 23	1 21	3 47	1 9	17 15	1 51	12 13	0 45	21 46	0 40	5 28	13 42	21 40	21 44	25 41	17 48	5 12
M11	20 2	5s42	3 42	24 32	1 58	25 6	1 36	24 20	1 21	3 44	1 9	17 17	1 51	12 12	0 45	21 47	0 40	5 28	13 42	21 40	21 44	25 41	17 49	5 12
T 12	20 14	11 38	2 39	24 49	2 2	25 7	1 37	24 16	1 20	3 40	1 9	17 19	1 50	12 12	0 45	21 47	0 40	5 28	13 42	21 40	21 43	25 42	17 49	5 12
W13	20 26	17 4	1 24	25 3	2 6	25 8	1 39	24 12	1 20	3 37	1 9	17 21	1 50	12 12	0 45	21 47	0 40	5 27	13 42	21 39	21 43	25 42	17 50	5 12
T 14	20 38	21 33	0 2	25 15	2 8	25 8	1 41	24 9	1 20	3 33	1 10	17 23	1 50	12 12	0 45	21 47	0 40	5 27	13 42	21 39	21 42	25 43	17 50	5 12
F 15	20 49	24 37	1s20	25 24	2 10	25 8	1 42	24 5	1 20	3 30	1 10	17 25	1 50	12 12	0 45	21 47	0 40	5 27	13 42	21 39	21 42	25 43	17 51	5 12
S 16	21 0	25 55	2 37	25 31	2 11	25 6	1 44	24 0	1 20	3 26	1 10	17 27	1 50	12 11	0 45	21 47	0 40	5 27	13 42	21 39	21 41	25 44	17 51	5 12
S 17	21 11	25 21	3 42	25 36	2 11	25 4	1 45	23 56	1 20	3 23	1 10	17 29	1 50	12 11	0 45	21 47	0 40	5 27	13 41	21 40	21 41	25 45	17 52	5 12
M18	21 21	23 3	4 32	25 38	2 11	25 1	1 46	23 52	1 20	3 20	1 11	17 30	1 50	12 11	0 45	21 47	0 40	5 26	13 41	21 40	21 40	25 45	17 52	5 12
T 19	21 31	19 21	5 4	25 39	2 9	24 58	1 48	23 47	1 20	3 16	1 11	17 32	1 50	12 11	0 45	21 48	0 40	5 26	13 41	21 40	21 40	25 46	17 53	5 12
W20	21 40	14 41	5 17	25 37	2 7	24 53	1 49	23 42	1 19	3 13	1 11	17 34	1 50	12 11	0 45	21 48	0 40	5 26	13 41	21 40	21 39	25 46	17 53	5 12
T 21	21 49	9 24	5 12	25 34	2 4	24 48	1 50	23 37	1 19	3 10	1 11	17 36	1 50	12 11	0 45	21 48	0 40	5 26	13 41	21 40	21 39	25 47	17 54	5 12
F 22	21 58	3 50	4 51	25 29	2 1	24 43	1 51	23 32	1 19	3 7	1 12	17 38	1 50	12 11	0 45	21 48	0 40	5 26	13 40	21 40	21 38	25 47	17 54	5 12
S 23	22 6	1n46	4 15	25 23	1 56	24 36	1 52	23 27	1 19	3 4	1 12	17 39	1 50	12 11	0 45	21 48	0 40	5 25	13 40	21				

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M 1	17 15 2	19II16'15	2Ω48	13♁44	24♁47	24♁40	26H11	27♁43	0°R 4	16°R30	23°R13	7°R41	7II 4	6♁15	20II19									
T 2	17 18 58	20°13'31	14°45	14°32	25°58	25°17	26°18	27°50	0H 3	16♁29	23II11	7II40	7° 1	6°22	20°24									
W 3	17 22 55	21°10'46	26°51	15°17	27° 8	25°54	26°24	27°58	0° 3	16°28	23°10	7°38	6°57	6°28	20°30									
T 4	17 26 51	22° 8'00	9III10	15°59	28°19	26°31	26°31	28° 5	0° 3	16°26	23° 9	7°37	6°54	6°35	20°36									
F 5	17 30 48	23° 5'13	21°46	16°36	29°29	27° 8	26°37	28°13	0° 2	16°25	23° 7	7°D37	6°51	6°42	20°41									
S 6	17 34 44	24° 2'26	4♁42	17° 9	0Ω40	27°46	26°43	28°20	0° 2	16°23	23° 6	7°37	6°48	6°48	20°47									
S 7	17 38 41	24°59'38	18° 2	17°38	1°50	28°23	26°49	28°27	0° 1	16°22	23° 4	7°38	6°45	6°55	20°53									
M 8	17 42 37	25°56'49	1III48	18° 2	3° 0	29° 0	26°55	28°35	0° 0	16°20	23° 3	7°39	6°41	7° 2	20°58									
T 9	17 46 34	26°54'00	16° 0	18°23	4°10	29°37	27° 0	28°42	29♁59	16°19	23° 2	7°40	6°38	7° 8	21° 4									
W10	17 50 31	27°51'11	0♁37	18°38	5°20	0Ω14	27° 6	28°49	29°59	16°17	23° 1	7°R41	6°35	7°15	21°10									
T 11	17 54 27	28°48'21	15°35	18°50	6°30	0°52	27°11	28°56	29°58	16°16	22°59	7°41	6°32	7°22	21°15									
F 12	17 58 24	29°45'31	0♁44	18°56	7°40	1°29	27°16	29° 3	29°58	16°14	22°58	7°40	6°29	7°28	21°21									
S 13	18 2 20	0♁42'41	15°58	18°R58	8°50	2° 6	27°21	29°10	29°57	16°13	22°57	7°38	6°26	7°35	21°26									
S 14	18 6 17	1°39'51	1♁ 5	18°56	9°59	2°44	27°26	29°17	29°56	16°11	22°56	7°35	6°22	7°42	21°32									
M15	18 10 13	2°37'01	15°56	18°48	11° 9	3°21	27°30	29°24	29°55	16°10	22°54	7°32	6°19	7°48	21°38									
T 16	18 14 10	3°34'10	0H26	18°37	12°18	3°58	27°35	29°31	29°54	16° 8	22°53	7°29	6°16	7°55	21°43									
W17	18 18 6	4°31'21	14°28	18°21	13°28	4°35	27°39	29°38	29°53	16° 6	22°52	7°26	6°13	8° 2	21°49									
T 18	18 22 3	5°28'31	28° 4	18° 0	14°37	5°13	27°43	29°45	29°52	16° 5	22°51	7°25	6°10	8° 8	21°54									
F 19	18 26 0	6°25'42	11Y14	17°36	15°46	5°50	27°47	29°52	29°51	16° 3	22°50	7°D25	6° 7	8°15	22° 0									
S 20	18 29 56	7°22'53	24° 0	17° 9	16°55	6°27	27°51	29°59	29°50	16° 2	22°49	7°26	6° 3	8°22	22° 6									
S 21	18 33 53	8°20'04	6♁27	16°38	18° 4	7° 5	27°54	0II 5	29°49	16° 0	22°48	7°27	6° 0	8°28	22°11									
M22	18 37 49	9°17'16	18°39	16° 4	19°13	7°42	27°57	0°12	29°47	15°58	22°47	7°29	5°57	8°35	22°17									
T 23	18 41 46	10°14'28	0II40	15°28	20°22	8°20	28° 1	0°19	29°46	15°57	22°46	7°30	5°54	8°42	22°22									
W24	18 45 42	11°11'41	12°34	14°51	21°30	8°57	28° 4	0°25	29°45	15°55	22°45	7°R30	5°51	8°48	22°28									
T 25	18 49 39	12° 8'54	24°23	14°12	22°39	9°35	28° 6	0°32	29°43	15°54	22°44	7°29	5°47	8°55	22°33									
F 26	18 53 35	13° 6'07	6♁11	13°33	23°48	10°12	28° 9	0°38	29°42	15°52	22°43	7°26	5°44	9° 2	22°39									
S 27	18 57 32	14° 3'21	18° 0	12°55	24°56	10°49	28°11	0°45	29°41	15°50	22°42	7°21	5°41	9° 8	22°44									
S 28	19 1 29	15° 0'35	29°52	12°17	26° 4	11°27	28°14	0°51	29°39	15°49	22°41	7°15	5°38	9°15	22°49									
M29	19 5 25	15°57'49	11Ω48	11°41	27°12	12° 4	28°16	0°58	29°38	15°47	22°41	7° 8	5°35	9°22	22°55									
T 30	19 9 22	16°55'04	23Ω51	11♁ 7	28Ω20	12Ω42	28H18	1II 4	29♁36	15♁46	22II40	7II 1	5II32	9♁29	23II 0									

Day	☉	☽	♀	♂	♃	♄	♅	♁	♂	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	23n 4	23n48	4n20	23n32	0n44	23n 9	1n57	22n31	1n18	2s39	1s14	17n55	1s50	12s12	0s46	21s50	0n40	5s25	13n38	21n39	21n33	25n52	17n58	5s12
T 2	23 9 21	6 4 52	23 15	0 33	22 56	1 57	22 24	1 17	2 37	1 15	17 57	1 50	12 12	0 46	21 50	0 40	5 24	13 38	21 39	21 32	25 53	17 58	5 12	
W 3	23 13 17	27 5 11	22 58	0 21	22 42	1 57	22 17	1 17	2 35	1 15	17 58	1 50	12 12	0 46	21 50	0 40	5 24	13 37	21 39	21 32	25 53	17 58	5 12	
T 4	23 16 13	2 5 16	22 41	0 8	22 28	1 57	22 10	1 17	2 32	1 15	18 0	1 50	12 12	0 46	21 50	0 40	5 24	13 37	21 38	21 31	25 53	17 59	5 12	
F 5	23 19 7	58 5 7	22 23	0s 5	22 13	1 57	22 3	1 17	2 30	1 15	18 1	1 50	12 12	0 46	21 50	0 40	5 24	13 37	21 38	21 31	25 54	17 59	5 12	
S 6	23 22 2	26 4 42	22 6	0 19	21 58	1 57	21 55	1 17	2 28	1 16	18 3	1 50	12 12	0 46	21 50	0 40	5 24	13 37	21 38	21 30	25 54	17 59	5 13	
S 7	23 25 3s22	4 1 21	48 0 33	21 42	1 57	21 47	1 17	2 26	1 16	18 5	1 50	12 13	0 46	21 51	0 40	5 24	13 36	21 39	21 30	25 55	18 0	5 13		
M 8	23 27 9	14 3 6	21 30	0 47	21 26	1 56	21 40	1 16	2 24	1 16	18 6	1 50	12 13	0 46	21 51	0 40	5 24	13 36	21 39	21 29	25 55	18 0	5 13	
T 9	23 28 14	48 1 57	21 13	1 2	21 9	1 56	21 32	1 16	2 22	1 16	18 8	1 50	12 13	0 46	21 51	0 40	5 24	13 36	21 39	21 29	25 55	18 0	5 13	
W10	23 29 19	42 0 39	20 55	1 18	20 51	1 55	21 23	1 16	2 20	1 17	18 9	1 50	12 13	0 46	21 51	0 40	5 24	13 35	21 39	21 28	25 56	18 0	5 13	
T 11	23 30 23	26 0s43	20 38	1 33	20 33	1 55	21 15	1 16	2 18	1 17	18 11	1 50	12 14	0 46	21 51	0 40	5 24	13 35	21 39	21 28	25 56	18 0	5 13	
F 12	23 30 25	34 2 4	20 22	1 49	20 14	1 54	21 7	1 16	2 16	1 17	18 12	1 51	12 14	0 46	21 52	0 40	5 24	13 34	21 39	21 27	25 57	18 1	5 13	
S 13	23 30 25	47 3 15	20 6	2 5	19 55	1 53	20 58	1 15	2 15	1 18	18 14	1 51	12 14	0 46	21 52	0 40	5 25	13 34	21 39	21 26	25 57	18 1	5 13	
S 14	23 30 24	5 4 13	19 51	2 21	19 35	1 52	20 49	1 15	2 13	1 18	18 15	1 51	12 15	0 46	21 52	0 40	5 25	13 34	21 38	21 26	25 57	18 1	5 14	
M15	23 29 20	45 4 52	19 36	2 36	19 15	1 51	20 41	1 15	2 11	1 18	18 17	1 51	12 15	0 46	21 52	0 40	5 25	13 33	21 38	21 25	25 58	18 1	5 14	
T 16	23 27 16	12 5 12	19 22	2 52	18 55	1 50	20 32	1 15	2 10	1 19	18 18	1 51	12 15	0 46	21 52	0 40	5 25	13 33	21 37	21 25	25 58	18 1	5 14	
W17	23 26 10	55 5 12	19 9	3 7	18 34	1 49	20 22	1 15	2 9	1 19	18 20	1 51	12 16	0 46	21 53	0 40	5 25	13 33	21 37	21 24	25 58	18 2	5 14	
T 18	23 23 5	16 4 54	18 57	3 22	18 12	1 47	20 13	1 14	2 7	1 19	18 21	1 51	12 16	0 46	21 53	0 40	5 25	13 32	21 36	21 24	25 59	18 2	5 14	
F 19	23 21 0n27	4 21	18 47	3 36	17 50	1 46	20 4	1 14	2 6	1 19	18 22	1 51	12 17	0 46	21 53	0 40	5 25	13 32	21 36	21 23	25 59	18 2	5 14	
S 20	23 18 5	59 3 36	18 37	3 49	17 28	1 44	19 54	1 14	2 5	1 20	18 24	1 51	12 17	0 46	21 53	0 40	5 25	13 31	21 37	21 23	25 59	18 2	5 15	
S 21	23 15 11	10 2 42	18 28	4 1	17 5	1 42	19 44	1 14	2 4	1 20	18 25	1 51	12 18	0 46	21 53	0 40	5 25	13 31	21 37	21 22	26 0	18 2	5 15	
M22	23 11 15	48 1 41	18 21	4 13	16 42	1 41	19 35	1 14	2 3	1 20	18 26	1 51	12 18	0 46	21 54	0 40	5 26	13 31	21 37	21 22	26 0	18 2	5 15	
T 23	23 7 19	44 0 37	18 15	4 23	16 18	1 39	19 25	1 13	2 2	1 21	18 28	1 51	12 19	0 46	21 54	0 40	5 26	13 30	21 37	21 21	26 0	18 2	5 15	
W24	23 2 22	49 0n28	18 11	4 31	15 54	1 37	19 15	1 13	2 1	1 21	18 29	1 51	12 19	0 46	21 54	0 40	5 26	13 30	21 37	21 20	26 1	18 3	5 15	
T 25	22 57	24 54 1 31	18 8	4 39	15 30	1 35	19 4	1 13	2 0	1 21	18 30	1 51	12 19	0 46	21 54	0 40	5 26	13 29	21 37	21 20	26 1	18 3	5 16	
F 26	22 51	25 51 2 30	18 6	4 44	15 5	1 33	18 54	1 13	1 59	1 22	18 32	1 51	12 20	0 47	21 54	0 40	5 26	13 29	21 37	21 19	26 1	18 3	5 16	
S 27	22 46	25 38 3 23	18 5	4 49	14 40	1 30	18 44	1 12	1 58	1 22	18 33	1 51	12 21	0 47	21 54	0 40	5 27	13 28	21 36	21 19	26 1	18 3	5 16	
S 28	22 39	24 15 4 7	18 6	4 51	14 15	1 28	18 33	1 12	1 58	1 22	18 34	1 51	12 21	0 47	21 55	0 39	5 27	13 28	21 35	21 18	26 2	18 3	5 16	
M29	22 33	21 47 4 40	18 9	4 52	13 49	1 26	18 22	1																

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W 1	19 13 18	17°52'19	6°33'	10°R36	29°J28	13°Q19	28°H19	1°II10	29°R35	15°R44	22°R39	6°R55	5°II28	9°Q35	23°II 6
T 2	19 17 15	18°49'34	18°26'	10°Q 8	0°36	13°57	28°21	1°16	29°R33	15°R42	22°R38	6°II49	5°25	9°42	23°11
F 3	19 21 11	19°46'49	1°36	9°45	1°44	14°35	28°22	1°22	29°31	15°41	22°38	6°46	5°22	9°49	23°16
S 4	19 25 8	20°44'04	13°57	9°26	2°51	15°12	28°23	1°28	29°30	15°39	22°37	6°44	5°19	9°55	23°21
S 5	19 29 4	21°41'20	27°11	9°11	3°59	15°50	28°24	1°34	29°28	15°37	22°36	6°D44	5°16	10° 2	23°27
M 6	19 33 1	22°38'36	10°M48	9° 2	5° 6	16°27	28°24	1°40	29°26	15°36	22°36	6°45	5°13	10° 9	23°32
T 7	19 36 58	23°35'53	24°49	8°D58	6°13	17° 5	28°25	1°46	29°24	15°34	22°35	6°46	5° 9	10°15	23°37
W 8	19 40 54	24°33'10	9°A15	9° 0	7°20	17°43	28°25	1°52	29°23	15°33	22°35	6°R46	5° 6	10°22	23°42
T 9	19 44 51	25°30'27	24° 3	9° 8	8°27	18°20	28°R25	1°58	29°21	15°31	22°34	6°45	5° 3	10°29	23°47
F 10	19 48 47	26°27'45	9°Z 7	9°22	9°33	18°58	28°25	2° 3	29°19	15°29	22°34	6°42	5° 0	10°35	23°52
S 11	19 52 44	27°25'04	24°20	9°42	10°40	19°36	28°25	2° 9	29°17	15°28	22°33	6°37	4°57	10°42	23°58
S 12	19 56 40	28°22'23	9°R31	10° 8	11°46	20°13	28°24	2°14	29°15	15°26	22°33	6°30	4°53	10°49	24° 3
M13	20 0 37	29°19'43	24°30	10°40	12°52	20°51	28°24	2°20	29°13	15°25	22°32	6°22	4°50	10°55	24° 8
T 14	20 4 34	0°Q17'04	9°H 8	11°18	13°58	21°29	28°23	2°25	29°11	15°23	22°32	6°14	4°47	11° 2	24°13
W15	20 8 30	1°14'26	23°19	12° 3	15° 4	22° 6	28°22	2°30	29° 9	15°22	22°32	6° 8	4°44	11° 9	24°17
T 16	20 12 27	2°11'49	7°Y 1	12°53	16°10	22°44	28°20	2°36	29° 7	15°20	22°31	6° 3	4°41	11°15	24°22
F 17	20 16 23	3° 9'14	20°15	13°49	17°15	23°22	28°19	2°41	29° 5	15°19	22°31	6° 0	4°38	11°22	24°27
S 18	20 20 20	4° 6'39	3°Z 2	14°51	18°20	24° 0	28°17	2°46	29° 3	15°17	22°31	5°D59	4°34	11°29	24°32
S 19	20 24 16	5° 4'06	15°28	15°59	19°25	24°38	28°15	2°51	29° 1	15°15	22°31	6° 0	4°31	11°35	24°37
M20	20 28 13	6° 1'34	27°36	17°12	20°30	25°15	28°13	2°56	28°59	15°14	22°30	6° 1	4°28	11°42	24°41
T 21	20 32 9	6°59'04	9°II33	18°30	21°35	25°53	28°11	3° 1	28°57	15°13	22°30	6°R 1	4°25	11°49	24°46
W22	20 36 6	7°56'35	21°23	19°54	22°40	26°31	28° 9	3° 5	28°55	15°11	22°30	5°59	4°22	11°55	24°51
T 23	20 40 3	8°54'07	3°Q11	21°23	23°44	27° 9	28° 6	3°10	28°52	15°10	22°30	5°56	4°19	12° 2	24°55
F 24	20 43 59	9°51'40	14°59	22°56	24°48	27°47	28° 3	3°15	28°50	15° 8	22°D30	5°50	4°15	12° 9	25° 0
S 25	20 47 56	10°49'15	26°51	24°33	25°52	28°25	28° 0	3°19	28°48	15° 7	22°30	5°41	4°12	12°15	25° 5
S 26	20 51 52	11°46'51	8°Q49	26°15	26°56	29° 3	27°57	3°24	28°46	15° 5	22°30	5°31	4° 9	12°22	25° 9
M27	20 55 49	12°44'28	20°55	28° 0	27°59	29°41	27°53	3°28	28°43	15° 4	22°30	5°19	4° 6	12°29	25°13
T 28	20 59 45	13°42'06	3°39 9	29°48	29° 2	0°19 19	27°50	3°32	28°41	15° 3	22°30	5° 6	4° 3	12°35	25°18
W29	21 3 42	14°39'46	15°33	1°Q40	0° 5	0°57	27°46	3°37	28°39	15° 1	22°30	4°55	3°59	12°42	25°22
T 30	21 7 38	15°37'26	28° 7	3°33	1° 8	1°35	27°42	3°41	28°36	15° 0	22°31	4°45	3°56	12°49	25°26
F 31	21 11 35	16°35'08	10°Q52	5°Q29	2°10	2°13	27°H38	3°II45	28°R34	14°Z58	22°M31	4°II38	3°II53	12°Q55	25°II31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	22n18	14n 6	5n 9	18n17	4s49	12n56	1n20	18n 0	1n12	1s56	1s23	18n38	1s52	12s23	0s47	21s55	0n39	5s28	13n27	21n31	21n17	26n 2	18n 3	5s17
T 2	22 11	9 14	5 3	18 23	4 45	12 30	1 18	17 49	1 11	1 56	1 23	18 39	1 52	12 23	0 47	21 56	0 39	5 28	13 26	21 31	21 16	26 3	18 3	5 17
F 3	22 3	3 54	4 42	18 30	4 39	12 3	1 15	17 38	1 11	1 56	1 24	18 40	1 52	12 24	0 47	21 56	0 39	5 28	13 26	21 30	21 15	26 3	18 3	5 17
S 4	21 54	1s43	4 7	18 39	4 32	11 36	1 12	17 27	1 11	1 56	1 24	18 41	1 52	12 25	0 47	21 56	0 39	5 28	13 25	21 30	21 15	26 3	18 3	5 18
S 5	21 45	7 25	3 18	18 48	4 24	11 9	1 9	17 15	1 11	1 56	1 24	18 42	1 52	12 25	0 47	21 56	0 39	5 29	13 25	21 30	21 14	26 3	18 3	5 18
M 6	21 36	12 57	2 16	18 58	4 14	10 41	1 5	17 4	1 10	1 56	1 25	18 43	1 52	12 26	0 47	21 56	0 39	5 29	13 24	21 30	21 14	26 4	18 3	5 18
T 7	21 26	17 59	1 4	19 9	4 4	10 13	1 2	16 52	1 10	1 56	1 25	18 44	1 52	12 27	0 47	21 57	0 39	5 29	13 24	21 30	21 13	26 4	18 3	5 19
W 8	21 16	22 7	0s13	19 21	3 52	9 45	0 59	16 40	1 10	1 56	1 25	18 45	1 52	12 27	0 47	21 57	0 39	5 30	13 23	21 30	21 13	26 4	18 3	5 19
T 9	21 6	24 54	1 32	19 32	3 39	9 17	0 55	16 29	1 10	1 56	1 26	18 47	1 52	12 28	0 47	21 57	0 39	5 30	13 23	21 30	21 12	26 4	18 3	5 19
F 10	20 55	25 56	2 45	19 45	3 26	8 48	0 52	16 17	1 9	1 57	1 26	18 48	1 52	12 29	0 47	21 57	0 39	5 30	13 22	21 29	21 11	26 4	18 3	5 19
S 11	20 44	25 2	3 47	19 57	3 12	8 20	0 48	16 4	1 9	1 57	1 26	18 49	1 53	12 29	0 47	21 57	0 39	5 31	13 22	21 28	21 11	26 4	18 3	5 20
S 12	20 33	22 18	4 33	20 10	2 58	7 51	0 44	15 52	1 9	1 57	1 26	18 50	1 53	12 30	0 47	21 57	0 39	5 31	13 21	21 27	21 10	26 5	18 2	5 20
M13	20 21	18 6	5 0	20 22	2 43	7 22	0 40	15 40	1 9	1 58	1 27	18 50	1 53	12 31	0 47	21 58	0 39	5 32	13 21	21 26	21 10	26 5	18 2	5 20
T 14	20 9	12 53	5 6	20 34	2 28	6 53	0 36	15 28	1 8	1 59	1 27	18 51	1 53	12 31	0 47	21 58	0 39	5 32	13 20	21 25	21 9	26 5	18 2	5 21
W15	19 56	7 8	4 53	20 45	2 13	6 24	0 32	15 15	1 8	1 59	1 27	18 52	1 53	12 32	0 47	21 58	0 39	5 32	13 20	21 23	21 9	26 5	18 2	5 21
T 16	19 43	1 14	4 23	20 56	1 57	5 54	0 28	15 2	1 8	2 0	1 28	18 53	1 53	12 33	0 47	21 58	0 39	5 33	13 19	21 23	21 8	26 5	18 2	5 21
F 17	19 30	4n32	3 40	21 6	1 42	5 25	0 24	14 50	1 7	2 1	1 28	18 54	1 53	12 34	0 47	21 58	0 39	5 33	13 19	21 22	21 7	26 5	18 2	5 22
S 18	19 17	9 56	2 47	21 15	1 26	4 55	0 19	14 37	1 7	2 2	1 28	18 55	1 53	12 34	0 47	21 59	0 39	5 34	13 18	21 22	21 7	26 5	18 2	5 22
S 19	19 3	14 48	1 48	21 22	1 11	4 26	0 15	14 24	1 7	2 3	1 29	18 56	1 53	12 35	0 47	21 59	0 39	5 34	13 18	21 22	21 6	26 6	18 2	5 22
M20	18 49	18 57	0 45	21 28	0 56	3 56	0 10	14 11	1 7	2 4	1 29	18 57	1 54	12 36	0 47	21 59	0 39	5 35	13 17	21 22	21 6	26 6	18 1	5 23
T 21	18 35	22 15	0n19	21 33	0 41	3 26	0 6	13 58	1 6	2 5	1 29	18 58	1 54	12 37	0 47	21 59	0 39	5 35	13 17	21 22	21 5	26 6	18 1	5 23
W22	18 20	24 35	1 21	21 35	0 27	2 56	0 1	13 45	1 6	2 6	1 29	18 58	1 54	12 37	0 47	21 59	0 39	5 35	13 16	21 22	21 4	26 6	18 1	5 24
T 23	18 5	25 48	2 20	21 35	0 13	2 26	0s 4	13 31	1 6	2 8	1 30	18 59	1 54	12 38	0 47	22 0	0 39	5 36	13 16	21 21	21 4	26 6	18 1	5 24
F 24	17 50	25 50	3																					

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S 1	21 15 32	17 ^h 32 ^m 50	23 ^h 52 ^m	7 ^h 27 ^m	3 ^h 12 ^m	2 ^h 51 ^m	27°R34	3 ^h 49 ^m	28°R32	14°R57	22 ^h 31 ^m	4°R34	3 ^h 50 ^m	13 ^h 2 ^m	25 ^h 35 ^m
S 2	21 19 28	18°30'34	7 ^h 6 ^m	9°25	4°14	3°29	27 ^h 29 ^m	3°52	28°29	14°56	22°31	4°31	3°47	13° 9	25°39
M 3	21 23 25	19°28'19	20°38	11°25	5°16	4° 8	27°25	3°56	28°27	14°55	22°32	4°D31	3°44	13°15	25°43
T 4	21 27 21	20°26'05	4 ^h 30 ^m	13°25	6°17	4°46	27°20	4° 0	28°25	14°53	22°32	4°R31	3°40	13°22	25°47
W 5	21 31 18	21°23'53	18°42	15°26	7°18	5°24	27°15	4° 3	28°22	14°52	22°32	4°31	3°37	13°29	25°51
T 6	21 35 14	22°21'41	3 ^h 13 ^m	17°26	8°19	6° 2	27°10	4° 7	28°20	14°51	22°33	4°28	3°34	13°35	25°55
F 7	21 39 11	23°19'31	18° 0	19°27	9°19	6°40	27° 4	4°10	28°18	14°50	22°33	4°23	3°31	13°42	25°59
S 8	21 43 7	24°17'22	2 ^h 57 ^m	21°27	10°19	7°19	26°59	4°13	28°15	14°49	22°34	4°16	3°28	13°49	26° 3
S 9	21 47 4	25°15'15	17°56	23°26	11°19	7°57	26°53	4°17	28°13	14°47	22°34	4° 6	3°25	13°55	26° 6
M10	21 51 1	26°13'08	2 ^h 48 ^m	25°25	12°18	8°35	26°47	4°20	28°11	14°46	22°35	3°55	3°21	14° 2	26°10
T 11	21 54 57	27°11'04	17°23	27°22	13°17	9°13	26°42	4°23	28° 8	14°45	22°35	3°44	3°18	14° 9	26°14
W12	21 58 54	28° 9'01	1 ^h 35 ^m	29°19	14°16	9°52	26°36	4°26	28° 6	14°44	22°36	3°34	3°15	14°16	26°17
T 13	22 2 50	29° 7'00	15°19	1 ^h 15 ^m	15°14	10°30	26°29	4°28	28° 3	14°43	22°37	3°26	3°12	14°22	26°21
F 14	22 6 47	0 ^h 5'01	28°36	3°10	16°11	11° 8	26°23	4°31	28° 1	14°42	22°37	3°21	3° 9	14°29	26°24
S 15	22 10 43	1° 3'03	11 ^h 26 ^m	5° 3	17° 9	11°47	26°17	4°34	27°59	14°41	22°38	3°19	3° 5	14°36	26°27
S 16	22 14 40	2° 1'08	23°53	6°56	18° 6	12°25	26°10	4°36	27°56	14°40	22°39	3°18	3° 2	14°42	26°31
M17	22 18 36	2°59'15	6 ^h 3 ^m	8°47	19° 2	13° 4	26° 3	4°39	27°54	14°39	22°39	3°18	2°59	14°49	26°34
T 18	22 22 33	3°57'23	18° 0	10°37	19°58	13°42	25°56	4°41	27°51	14°38	22°40	3°17	2°56	14°56	26°37
W19	22 26 30	4°55'34	29°50	12°25	20°54	14°21	25°50	4°43	27°49	14°37	22°41	3°15	2°53	15° 2	26°40
T 20	22 30 26	5°53'47	11 ^h 39 ^m	14°13	21°49	14°59	25°43	4°45	27°47	14°36	22°42	3°11	2°50	15° 9	26°43
F 21	22 34 23	6°52'01	23°29	15°59	22°43	15°38	25°35	4°47	27°44	14°36	22°43	3° 5	2°46	15°16	26°46
S 22	22 38 19	7°50'18	5 ^h 27 ^m	17°44	23°37	16°17	25°28	4°49	27°42	14°35	22°44	2°55	2°43	15°22	26°49
S 23	22 42 16	8°48'36	17°33	19°28	24°30	16°55	25°21	4°51	27°40	14°34	22°45	2°44	2°40	15°29	26°52
M24	22 46 12	9°46'57	29°49	21°11	25°23	17°34	25°13	4°52	27°37	14°33	22°46	2°31	2°37	15°36	26°55
T 25	22 50 9	10°45'19	12 ^h 18 ^m	22°53	26°16	18°13	25° 6	4°54	27°35	14°32	22°47	2°17	2°34	15°42	26°58
W26	22 54 5	11°43'43	24°58	24°34	27° 7	18°51	24°58	4°55	27°33	14°32	22°48	2° 4	2°31	15°49	27° 0
T 27	22 58 2	12°42'09	7 ^h 50 ^m	26°13	27°58	19°30	24°51	4°57	27°30	14°31	22°49	1°53	2°27	15°56	27° 3
F 28	23 1 58	13°40'37	20°53	27°51	28°49	20° 9	24°43	4°58	27°28	14°30	22°50	1°45	2°24	16° 2	27° 5
S 29	23 5 55	14°39'06	4 ^h 1 ^m	29°29	29°38	20°48	24°35	4°59	27°26	14°30	22°51	1°40	2°21	16° 9	27° 8
S 30	23 9 52	15°37'37	17°32	1 ^h 5 ^m	0 ^h 27 ^m	21°26	24°27	5° 0	27°24	14°29	22°52	1°37	2°18	16°16	27°10
M31	23 13 48	16 ^h 36 ^m 10	1 ^h 7 ^m 9	2 ^h 40 ^m	1 ^h 15 ^m	22 ^h 5 ^m	24 ^h 19 ^m	5 ^h 11 ^m	27 ^h 21 ^m	14 ^h 29 ^m	22 ^h 54 ^m	1°D37	2 ^h 15 ^m	16 ^h 22 ^m	27 ^h 12 ^m

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♆	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	15n37	6s13	3n18	19n45	1n20	2s 3	0s51	11n28	1n 3	2s23	1s32	19n 5	1s55	12s45	0s47	22s 1	0n39	5s41	13n11	21n 7	20n58	26n 6	17n59	5s28
S 2	15 19 11	43 20	19 20	1 27	2 33	0 56	11 14	1 3	2 25	1 32	19 6	1 55	12 46	0 47	22 1	0 39	5 41	13 11	21 6	20 58	26 6	17 58	5 28	
M 3	15 1 16	47 1 13	18 52	1 32	3 3	1 2	11 0	1 3	2 27	1 33	19 6	1 55	12 47	0 47	22 2	0 39	5 42	13 10	21 6	20 57	26 6	17 58	5 28	
T 4	14 43 21	6 0	18 23	1 36	3 33	1 8	10 45	1 2	2 29	1 33	19 7	1 55	12 48	0 47	22 2	0 39	5 42	13 10	21 6	20 57	26 6	17 58	5 29	
W 5	14 25 24	15 1s14	17 51	1 40	4 2	1 14	10 31	1 2	2 31	1 33	19 7	1 56	12 49	0 47	22 2	0 39	5 43	13 9	21 6	20 56	26 6	17 57	5 29	
T 6	14 6 25	54 2	26 17	1 43	4 32	1 20	10 17	1 2	2 34	1 33	19 8	1 56	12 50	0 47	22 2	0 39	5 44	13 9	21 6	20 55	26 6	17 57	5 30	
F 7	13 47 25	44 3	28 16	1 45	5 1	1 26	10 2	1 1	2 36	1 34	19 8	1 56	12 50	0 47	22 2	0 39	5 45	13 8	21 5	20 55	26 6	17 57	5 30	
S 8	13 28 23	44 4	17 16	1 46	5 30	1 32	9 48	1 1	2 38	1 34	19 9	1 56	12 51	0 47	22 2	0 39	5 45	13 8	21 3	20 54	26 6	17 56	5 31	
S 9	13 8 20	5 4	49 15	1 46	5 59	1 38	9 33	1 1	2 41	1 34	19 9	1 56	12 52	0 47	22 2	0 39	5 45	13 7	21 2	20 54	26 6	17 56	5 31	
M10	12 49 15	10 5	14 45	1 46	6 28	1 44	9 18	1 0	2 43	1 34	19 10	1 56	12 53	0 47	22 3	0 39	5 46	13 7	20 59	20 53	26 6	17 56	5 32	
T 11	12 29 9	29 4	52 14	1 45	6 57	1 50	9 4	1 0	2 46	1 34	19 10	1 57	12 54	0 47	22 3	0 39	5 47	13 6	20 57	20 52	26 6	17 55	5 32	
W12	12 9 3	26 4	46 13	1 44	7 26	1 57	8 49	1 0	2 48	1 35	19 10	1 57	12 55	0 47	22 3	0 39	5 47	13 6	20 55	20 52	26 6	17 55	5 32	
T 13	11 49 2n36	3 45	12 22	1 42	7 54	2 3	8 34	0 59	2 51	1 35	19 11	1 57	12 55	0 47	22 3	0 39	5 48	13 5	20 54	20 51	26 6	17 54	5 33	
F 14	11 28 8	19 2	52 11	1 39	8 22	2 9	8 19	0 59	2 54	1 35	19 11	1 57	12 56	0 47	22 3	0 39	5 49	13 5	20 53	20 51	26 6	17 54	5 33	
S 15	11 8 13	31 1	53 11	1 36	8 50	2 16	8 4	0 59	2 56	1 35	19 11	1 57	12 57	0 47	22 3	0 39	5 49	13 4	20 53	20 50	26 6	17 54	5 34	
S 16	10 47 18	0 0	50 10	1 33	9 18	2 22	7 49	0 58	2 59	1 35	19 12	1 57	12 58	0 47	22 3	0 39	5 50	13 3	20 52	20 49	26 6	17 53	5 34	
M17	10 26 21	37 0n15	9 40	1 29	9 46	2 29	7 34	0 58	3 2	1 36	19 12	1 57	12 59	0 47	22 4	0 39	5 51	13 3	20 52	20 49	26 6	17 53	5 35	
T 18	10 5 24	14 1	17 8	1 25	10 13	2 35	7 19	0 58	3 5	1 36	19 12	1 58	12 59	0 47	22 4	0 38	5 51	13 2	20 52	20 48	26 6	17 52	5 35	
W19	9 44 25	46 2	16 8	1 20	10 41	2 42	7 4	0 57	3 8	1 36	19 13	1 58	13 0	0 47	22 4	0 38	5 52	13 2	20 52	20 48	26 5	17 52	5 36	
T 20	9 22 26	7 3	8 7	1 15	11 7	2 49	6 48	0 57	3 11	1 36	19 13	1 58	13 1	0 47	22 4	0 38	5 53	13 1	20 51	20 47	26 5	17 52	5 36	
F 21	9 1 25	16 3	52 6	1 10	11 34	2 55	6 33	0 57	3 14	1 36	19 13	1 58	13 2	0 47	22 4	0 38	5 53	13 1	20 50	20 46	26 5	17 51	5 37	
S 22	8 39 23	16 4	27 5	1 42	1 3	2 6	18 0	0 56	3 17	1 36	19 13	1 58	13 3	0 47	22 4	0 38	5 54	13 0	20 48	20 46	26 5	17 51	5 37	
S 23	8 17 20	13 4	50 5	1 4	0 58	12 27	3 9	6 2	0 56	3														

SWISS EPHEMERIS for the year 1500

SEPTEMBER 1500 JC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	23 17 45	17 ^h 34'44"	14 ^h 59'	4 ^h 14'	2 ^h 03'	22 ^h 44'	24 ^h R12	5 ^h II 2	27 ^h R19	14 ^h R28	22 ^h M55	1 ^h R37	2 ^h II11	16 ^h 29'	27 ^h II14	
W 2	23 21 41	18 ^h 33'21"	29 ^h 2'	5 ^h 48'	2 ^h 49'	23 ^h 23'	24 ^h H 4	5 ^h 2	27 ^h ≈17	14 ^h 28'	22 ^h 56'	1 ^h II37	2 ^h 8'	16 ^h 36'	27 ^h 17'	
T 3	23 25 38	19 ^h 31'58"	13 ^h 31'8"	7 ^h 20'	3 ^h 35'	24 ^h 2'	23 ^h 56'	5 ^h 3	27 ^h 15'	14 ^h 27'	22 ^h 57'	1 ^h 35'	2 ^h 5'	16 ^h 42'	27 ^h 19'	
F 4	23 29 34	20 ^h 30'38"	27 ^h 45'	8 ^h 51'	4 ^h 20'	24 ^h 41'	23 ^h 48'	5 ^h 4	27 ^h 13'	14 ^h 27'	22 ^h 59'	1 ^h 30'	2 ^h 2'	16 ^h 49'	27 ^h 21'	
S 5	23 33 31	21 ^h 29'19"	12 ^h ≈18'	10 ^h 21'	5 ^h 4'	25 ^h 20'	23 ^h 40'	5 ^h 4	27 ^h 11'	14 ^h 26'	23 ^h 0'	1 ^h 23'	1 ^h 59'	16 ^h 56'	27 ^h 22'	
S 6	23 37 27	22 ^h 28'02"	26 ^h 54'	11 ^h 50'	5 ^h 47'	25 ^h 59'	23 ^h 32'	5 ^h 4	27 ^h 8'	14 ^h 26'	23 ^h 2'	1 ^h 14'	1 ^h 56'	17 ^h 3'	27 ^h 24'	
M 7	23 41 24	23 ^h 26'47"	11 ^h H24'	13 ^h 18'	6 ^h 29'	26 ^h 38'	23 ^h 24'	5 ^h 4	27 ^h 6'	14 ^h 26'	23 ^h 3'	1 ^h 4'	1 ^h 52'	17 ^h 9'	27 ^h 26'	
T 8	23 45 21	24 ^h 25'33"	25 ^h 42'	14 ^h 45'	7 ^h 10'	27 ^h 17'	23 ^h 16'	5 ^h R 4	27 ^h 4'	14 ^h 25'	23 ^h 4'	0 ^h 53'	1 ^h 49'	17 ^h 16'	27 ^h 28'	
W 9	23 49 17	25 ^h 24'22"	9 ^h Y41'	16 ^h 11'	7 ^h 50'	27 ^h 56'	23 ^h 8'	5 ^h 4	27 ^h 2'	14 ^h 25'	23 ^h 6'	0 ^h 44'	1 ^h 46'	17 ^h 23'	27 ^h 29'	
T 10	23 53 14	26 ^h 23'12"	23 ^h 19'	17 ^h 35'	8 ^h 29'	28 ^h 35'	23 ^h 0'	5 ^h 4	27 ^h 0'	14 ^h 25'	23 ^h 7'	0 ^h 37'	1 ^h 43'	17 ^h 29'	27 ^h 31'	
F 11	23 57 10	27 ^h 22'05"	6 ^h 32'	18 ^h 59'	9 ^h 6'	29 ^h 14'	22 ^h 52'	5 ^h 4	26 ^h 58'	14 ^h 25'	23 ^h 9'	0 ^h 32'	1 ^h 40'	17 ^h 36'	27 ^h 32'	
S 12	0 1 7	28 ^h 21'01"	19 ^h 22'	20 ^h 22'	9 ^h 43'	29 ^h 53'	22 ^h 44'	5 ^h 3	26 ^h 56'	14 ^h 24'	23 ^h 10'	0 ^h 29'	1 ^h 36'	17 ^h 43'	27 ^h 33'	
S 13	0 5 3	29 ^h 19'58"	1 ^h II51'	21 ^h 43'	10 ^h 18'	0 ^h 33'	22 ^h 36'	5 ^h 3	26 ^h 54'	14 ^h 24'	23 ^h 12'	0 ^h D28	1 ^h 33'	17 ^h 49'	27 ^h 35'	
M14	0 9 0	0 ^h 18'58"	14 ^h 2'	23 ^h 4'	10 ^h 52'	1 ^h 12'	22 ^h 28'	5 ^h 2	26 ^h 53'	14 ^h 24'	23 ^h 14'	0 ^h 29'	1 ^h 30'	17 ^h 56'	27 ^h 36'	
T 15	0 12 56	1 ^h 18'00"	26 ^h 1'	24 ^h 23'	11 ^h 24'	1 ^h 51'	22 ^h 20'	5 ^h 1	26 ^h 51'	14 ^h 24'	23 ^h 15'	0 ^h R30	1 ^h 27'	18 ^h 3'	27 ^h 37'	
W16	0 16 53	2 ^h 17'04"	7 ^h 53'	25 ^h 40'	11 ^h 55'	2 ^h 31'	22 ^h 12'	5 ^h 1	26 ^h 49'	14 ^h 24'	23 ^h 17'	0 ^h 30'	1 ^h 24'	18 ^h 9'	27 ^h 38'	
T 17	0 20 50	3 ^h 16'11"	19 ^h 43'	26 ^h 57'	12 ^h 25'	3 ^h 10'	22 ^h 4'	5 ^h 0	26 ^h 47'	14 ^h D24	23 ^h 19'	0 ^h 28'	1 ^h 21'	18 ^h 16'	27 ^h 39'	
F 18	0 24 46	4 ^h 15'20"	1 ^h 36'	28 ^h 12'	12 ^h 53'	3 ^h 49'	21 ^h 57'	4 ^h 59	26 ^h 45'	14 ^h 24'	23 ^h 20'	0 ^h 24'	1 ^h 17'	18 ^h 23'	27 ^h 40'	
S 19	0 28 43	5 ^h 14'31"	13 ^h 37'	29 ^h 25'	13 ^h 20'	4 ^h 29'	21 ^h 49'	4 ^h 57	26 ^h 44'	14 ^h 24'	23 ^h 22'	0 ^h 18'	1 ^h 14'	18 ^h 29'	27 ^h 40'	
S 20	0 32 39	6 ^h 13'45"	25 ^h 49'	0 ^h M37'	13 ^h 45'	5 ^h 8'	21 ^h 42'	4 ^h 56	26 ^h 42'	14 ^h 24'	23 ^h 24'	0 ^h 10'	1 ^h 11'	18 ^h 36'	27 ^h 41'	
M21	0 36 36	7 ^h 13'01"	8 ^h 15'	1 ^h 47'	14 ^h 8'	5 ^h 48'	21 ^h 34'	4 ^h 55	26 ^h 40'	14 ^h 24'	23 ^h 26'	0 ^h 1'	1 ^h 8'	18 ^h 43'	27 ^h 42'	
T 22	0 40 32	8 ^h 12'19"	20 ^h 57'	2 ^h 56'	14 ^h 30'	6 ^h 27'	21 ^h 27'	4 ^h 53	26 ^h 39'	14 ^h 25'	23 ^h 27'	29 ^h 31'	1 ^h 5'	18 ^h 50'	27 ^h 42'	
W23	0 44 29	9 ^h 11'39"	3 ^h 54'	4 ^h 2'	14 ^h 50'	7 ^h 7'	21 ^h 19'	4 ^h 52	26 ^h 37'	14 ^h 25'	23 ^h 29'	29 ^h 42'	1 ^h 2'	18 ^h 56'	27 ^h 43'	
T 24	0 48 25	10 ^h 11'01"	17 ^h 7'	5 ^h 6'	15 ^h 7'	7 ^h 46'	21 ^h 12'	4 ^h 50	26 ^h 36'	14 ^h 25'	23 ^h 31'	29 ^h 34'	0 ^h 58'	19 ^h 3'	27 ^h 43'	
F 25	0 52 22	11 ^h 10'25"	0 ^h M33'	6 ^h 8'	15 ^h 23'	8 ^h 26'	21 ^h 5'	4 ^h 48	26 ^h 34'	14 ^h 25'	23 ^h 33'	29 ^h 29'	0 ^h 55'	19 ^h 10'	27 ^h 43'	
S 26	0 56 19	12 ^h 9'51"	14 ^h 11'	7 ^h 7'	15 ^h 37'	9 ^h 6'	20 ^h 58'	4 ^h 46	26 ^h 33'	14 ^h 26'	23 ^h 35'	29 ^h 25'	0 ^h 52'	19 ^h 16'	27 ^h 43'	
S 27	1 0 15	13 ^h 9'19"	27 ^h 58'	8 ^h 3'	15 ^h 49'	9 ^h 45'	20 ^h 51'	4 ^h 44	26 ^h 31'	14 ^h 26'	23 ^h 37'	29 ^h D24	0 ^h 49'	19 ^h 23'	27 ^h 44'	
M28	1 4 12	14 ^h 8'49"	11 ^h 15'	8 ^h 56'	15 ^h 59'	10 ^h 25'	20 ^h 45'	4 ^h 42	26 ^h 30'	14 ^h 26'	23 ^h 39'	29 ^h 25'	0 ^h 46'	19 ^h 30'	27 ^h R44	
T 29	1 8 8	15 ^h 8'21"	25 ^h 53'	9 ^h 46'	16 ^h 7'	11 ^h 5'	20 ^h 38'	4 ^h 40	26 ^h 29'	14 ^h 27'	23 ^h 41'	29 ^h 26'	0 ^h 42'	19 ^h 36'	27 ^h 44'	
W30	1 12 5	16 ^h 7'55"	9 ^h 35'	10 ^h M32'	16 ^h M12'	11 ^h 44'	20 ^h H31'	4 ^h II37'	26 ^h ≈27'	14 ^h 27'	23 ^h M43'	29 ^h R27'	0 ^h II39'	19 ^h 43'	27 ^h II43'	

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	4n55	23s49	1s10	1s44	0s 3	16s 7	4s10	3n42	0n53	3s48	1s38	19n14	2s 0	13s11	0s47	22s 5	0n38	6s 1	12n56	20n33	20n39	26n 3	17n46	5s43
W 2	4 32	25 50	2 20	2 28	0 10	16 30	4 17	3 26	0 52	3 51	1 38	19 14	2 0	13 11	0 47	22 5	0 38	6 2	12 55	20 32	20 39	26 3	17 45	5 43
T 3	4 9	26 11	3 22	3 11	0 18	16 52	4 24	3 10	0 52	3 55	1 38	19 14	2 0	13 12	0 47	22 5	0 38	6 3	12 55	20 32	20 38	26 3	17 45	5 44
F 4	3 46	24 47	4 12	3 54	0 25	17 14	4 30	2 55	0 52	3 58	1 38	19 14	2 0	13 13	0 47	22 5	0 38	6 4	12 54	20 31	20 38	26 3	17 44	5 45
S 5	3 23	21 43	4 46	4 37	0 33	17 36	4 37	2 39	0 51	4 1	1 38	19 14	2 0	13 13	0 47	22 6	0 38	6 4	12 54	20 30	20 37	26 2	17 44	5 45
S 6	3 0	17 18	5 1	5 19	0 40	17 57	4 44	2 23	0 51	4 4	1 38	19 14	2 0	13 14	0 47	22 6	0 38	6 5	12 53	20 28	20 36	26 2	17 43	5 46
M 7	2 37	11 53	4 57	6 0	0 48	18 17	4 51	2 7	0 51	4 8	1 38	19 14	2 1	13 15	0 47	22 6	0 38	6 6	12 53	20 26	20 36	26 2	17 43	5 46
T 8	2 13	5 55	4 35	6 41	0 56	18 37	4 57	1 51	0 50	4 11	1 38	19 13	2 1	13 16	0 47	22 6	0 38	6 7	12 52	20 24	20 35	26 2	17 42	5 47
W 9	1 50	0n14	3 56	7 21	1 3	18 57	5 4	1 35	0 50	4 14	1 38	19 13	2 1	13 16	0 47	22 6	0 38	6 8	12 52	20 22	20 34	26 1	17 42	5 47
T 10	1 26	6 14	3 4	8 1	1 11	19 16	5 10	1 19	0 49	4 17	1 38	19 13	2 1	13 17	0 47	22 6	0 38	6 8	12 52	20 20	20 34	26 1	17 41	5 48
F 11	1 3	11 47	2 4	8 40	1 18	19 34	5 17	1 3	0 49	4 20	1 38	19 13	2 1	13 18	0 47	22 6	0 38	6 9	12 51	20 19	20 33	26 1	17 40	5 49
S 12	0 39	16 40	0 59	9 18	1 26	19 52	5 23	0 47	0 49	4 23	1 38	19 13	2 1	13 18	0 47	22 6	0 38	6 10	12 51	20 19	20 32	26 1	17 40	5 49
S 13	0 16	20 42	0n 7	9 56	1 33	20 9	5 29	0 31	0 48	4 27	1 38	19 12	2 2	13 19	0 47	22 6	0 38	6 11	12 50	20 18	20 32	26 0	17 39	5 50
M14	0s 8	23 44	1 12	10 32	1 40	20 26	5 36	0 15	0 48	4 30	1 38	19 12	2 2	13 19	0 47	22 6	0 38	6 11	12 50	20 18	20 31	26 0	17 39	5 50
T 15	0 31	25 39	2 12	11 9	1 48	20 42	5 42	0s 1	0 47	4 33	1 38	19 12	2 2	13 20	0 47	22 6	0 38	6 12	12 49	20 19	20 30	26 0	17 38	5 51
W16	0 55	26 22	3 6	11 44	1 55	20 57	5 48	0 17	0 47	4 36	1 38	19 12	2 2	13 21	0 47	22 6	0 38	6 13	12 49	20 19	20 30	25 59	17 38	5 51
T 17	1 18	25 53	3 52	12 18	2 2	21 12	5 53	0 33	0 47	4 39	1 38	19 11	2 2	13 21	0 47	22 6	0 38	6 14	12 49	20 18	20 29	25 59	17 37	5 52
F 18	1 42	24 13	4 28	12 52	2 8	21 26	5 59	0 49	0 46	4 42	1 38	19 11	2 2	13 22	0 47	22 6	0 38	6 15	12 48	20 18	20 29	25 59	17 37	5 53
S 19	2 5	21 27	4 53	13 24	2 15	21 40	6 4	1 5	0 46	4 45	1													

SWISS EPHEMERIS for the year 1500

OCTOBER 1500 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	1 16 1	17♁ 7'30	24♃ 8	11♁.14	16♁.15	12♁.24	20°R25	4°R35	26°R26	14♃27	23♁.45	29°R27	0♁.36	19♁.50	27°R43
F 2	1 19 58	18° 7'07	8♁.20	11°51	16°R16	13° 4	20♁19	4♁.32	26♁.25	14°28	23°47	29♁.25	0°33	19°56	27♁.43
S 3	1 23 54	19° 6'46	22°31	12°23	16°14	13°44	20°13	4°30	26°24	14°29	23°49	29°22	0°30	20° 3	27°42
S 4	1 27 51	20° 6'26	6♁.40	12°50	16°10	14°24	20° 7	4°27	26°22	14°29	23°51	29°17	0°27	20°10	27°42
M 5	1 31 48	21° 6'09	20°41	13°11	16° 3	15° 4	20° 1	4°24	26°21	14°30	23°53	29°11	0°23	20°16	27°41
T 6	1 35 44	22° 5'53	4♁.33	13°25	15°54	15°44	19°55	4°21	26°20	14°30	23°55	29° 4	0°20	20°23	27°41
W 7	1 39 41	23° 5'38	18° 9	13°R32	15°43	16°24	19°50	4°18	26°19	14°31	23°57	28°59	0°17	20°30	27°40
T 8	1 43 37	24° 5'26	1♁.29	13°31	15°29	17° 4	19°44	4°15	26°18	14°32	23°59	28°55	0°14	20°37	27°39
F 9	1 47 34	25° 5'16	14°31	13°22	15°13	17°44	19°39	4°12	26°17	14°32	24° 1	28°52	0°11	20°43	27°38
S 10	1 51 30	26° 5'08	27°14	13° 4	14°54	18°24	19°34	4° 9	26°17	14°33	24° 3	28°D51	0° 8	20°50	27°37
S 11	1 55 27	27° 5'02	9♁.39	12°37	14°33	19° 4	19°29	4° 5	26°16	14°34	24° 6	28°51	0° 4	20°57	27°36
M12	1 59 23	28° 4'59	21°50	12° 1	14°10	19°44	19°25	4° 2	26°15	14°35	24° 8	28°53	0° 1	21° 3	27°35
T 13	2 3 20	29° 4'57	3♁.49	11°15	13°45	20°24	19°20	3°59	26°14	14°36	24°10	28°55	29♁.58	21°10	27°33
W14	2 7 16	0♁.45	15°42	10°21	13°18	21° 5	19°16	3°55	26°14	14°36	24°12	28°56	29°55	21°17	27°32
T 15	2 11 13	1° 5'00	27°33	9°19	12°49	21°45	19°12	3°51	26°13	14°37	24°14	28°R57	29°52	21°23	27°31
F 16	2 15 10	2° 5'05	9♁.26	8°10	12°19	22°25	19° 8	3°48	26°12	14°38	24°17	28°57	29°48	21°30	27°29
S 17	2 19 6	3° 5'12	21°28	6°55	11°47	23° 6	19° 4	3°44	26°12	14°39	24°19	28°56	29°45	21°37	27°28
S 18	2 23 3	4° 5'21	3♁.41	5°38	11°14	23°46	19° 1	3°40	26°11	14°40	24°21	28°53	29°42	21°43	27°26
M19	2 26 59	5° 5'33	16°11	4°19	10°39	24°27	18°57	3°36	26°11	14°41	24°23	28°50	29°39	21°50	27°24
T 20	2 30 56	6° 5'46	29° 0	3° 2	10° 4	25° 7	18°54	3°32	26°11	14°42	24°26	28°46	29°36	21°57	27°22
W21	2 34 52	7° 6'01	12♁.9	1°49	9°28	25°47	18°51	3°28	26°10	14°44	24°28	28°43	29°33	22° 4	27°21
T 22	2 38 49	8° 6'18	25°38	0°42	8°52	26°28	18°48	3°23	26°10	14°45	24°30	28°40	29°29	22°10	27°19
F 23	2 42 45	9° 6'37	9♁.26	29♁.44	8°15	27° 9	18°46	3°19	26°10	14°46	24°33	28°38	29°26	22°17	27°17
S 24	2 46 42	10° 6'57	23°30	28°56	7°39	27°49	18°43	3°15	26°10	14°47	24°35	28°D37	29°23	22°24	27°15
S 25	2 50 39	11° 7'20	7♁.45	28°18	7° 3	28°30	18°41	3°11	26°10	14°48	24°37	28°37	29°20	22°30	27°12
M26	2 54 35	12° 7'44	22° 7	27°52	6°28	29°11	18°39	3° 6	26°10	14°49	24°40	28°38	29°17	22°37	27°10
T 27	2 58 32	13° 8'09	6♁.31	27°38	5°53	29°51	18°37	3° 2	26°D10	14°51	24°42	28°39	29°13	22°44	27° 8
W28	3 2 28	14° 8'36	20°53	27°D35	5°20	0♁.32	18°36	2°57	26°10	14°52	24°44	28°40	29°10	22°50	27° 5
T 29	3 6 25	15° 9'04	5♁.9	27°44	4°47	1°13	18°34	2°53	26°10	14°53	24°47	28°41	29° 7	22°57	27° 3
F 30	3 10 21	16° 9'34	19°18	28° 2	4°17	1°54	18°33	2°48	26°10	14°55	24°49	28°R41	29° 4	23° 4	27° 0
S 31	3 14 18	17♁.10'04	3♁.17	28♁.30	3♁.47	2♁.35	18♁.32	2♁.43	26♁.10	14♁.56	24♁.51	28♁.41	29♁.1	23♁.11	26♁.58

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	6s45	25s30	4s13	18s15	3s10	23s17	6s51	4s17	0m41	5s17	1s36	19n 5	2s 4	13s28	0s47	22s 6	0n37	6s25	12n44	20n 5	20n20	25n54	17n29	6s 0
F 2	7 8 22	53 4	4 49	18 27	3 11	23 19	6 52	4 33	0 40	5 19	1 36	19 5	2 4	13 29	0 47	22 6	0 37	6 26	12 43	20 5	20 19	25 53	17 28	6 1
S 3	7 30 18	53 5	8 18 38	3 11	23 20	6 54	4 49	0 40	5 21	1 36	19 4	2 4	13 29	0 46	22 6	0 37	6 26	12 43	20 4	20 19	25 53	17 28	6 1	
S 4	7 53 13	51 5	7 18 46	3 11	23 19	6 54	5 5	0 39	5 24	1 36	19 3	2 4	13 29	0 46	22 6	0 37	6 27	12 43	20 3	20 18	25 52	17 27	6 2	
M 5	8 15 8	7 4	4 49	18 51	3 10	23 17	6 54	5 21	0 39	5 26	1 36	19 3	2 4	13 30	0 46	22 6	0 37	6 28	12 42	20 2	20 17	25 52	17 27	6 3
T 6	8 38 2	3 4	13 18 53	3 7	23 14	6 54	5 37	0 39	5 28	1 35	19 2	2 4	13 30	0 46	22 6	0 37	6 29	12 42	20 0	20 17	25 51	17 26	6 3	
W 7	9 0 4n	0 3	23 18 51	3 3	23 9	6 52	5 53	0 38	5 30	1 35	19 1	2 4	13 30	0 46	22 6	0 37	6 29	12 42	19 59	20 16	25 51	17 25	6 4	
T 8	9 22 9	47 2	24 18 46	2 58	23 3	6 51	6 8	0 38	5 32	1 35	19 1	2 5	13 31	0 46	22 6	0 37	6 30	12 41	19 58	20 15	25 50	17 25	6 4	
F 9	9 44 15	0 1	18 18 37	2 52	22 56	6 48	6 24	0 37	5 34	1 35	19 0	2 5	13 31	0 46	22 6	0 37	6 31	12 41	19 58	20 15	25 50	17 24	6 5	
S 10	10 6 19	27 0	9 18 24	2 44	22 48	6 45	6 40	0 36	5 37	1 35	18 59	2 5	13 31	0 46	22 6	0 37	6 32	12 41	19 57	20 14	25 49	17 24	6 5	
S 11	10 28 22	56 0n	59 18 7	2 34	22 38	6 41	6 56	0 37	5 36	1 35	18 59	2 5	13 31	0 46	22 6	0 37	6 32	12 41	19 58	20 13	25 49	17 23	6 6	
M12	10 49 25	17 2	3 17 44	2 22	22 26	6 37	7 11	0 36	5 39	1 34	18 58	2 5	13 32	0 46	22 6	0 37	6 33	12 40	19 58	20 13	25 48	17 22	6 7	
T 13	11 11 26	27 3	0 17 18	2 9	22 13	6 31	7 27	0 35	5 40	1 34	18 57	2 5	13 32	0 46	22 6	0 37	6 34	12 40	19 58	20 12	25 48	17 22	6 7	
W14	11 32 26	22 3	49 16 46	1 54	21 59	6 25	7 43	0 35	5 42	1 34	18 57	2 5	13 32	0 46	22 6	0 37	6 35	12 40	19 59	20 11	25 47	17 21	6 8	
T 15	11 53 25	5 4	28 16 11	1 38	21 44	6 18	7 58	0 34	5 43	1 34	18 56	2 5	13 32	0 46	22 6	0 37	6 35	12 40	19 59	20 11	25 47	17 21	6 8	
F 16	12 14 22	42 4	5 56 15 31	1 20	21 27	6 11	8 14	0 34	5 45	1 33	18 55	2 5	13 32	0 46	22 5	0 37	6 36	12 39	19 59	20 10	25 46	17 20	6 9	
S 17	12 35 19	18 5	11 14 49	1 0	21 9	6 2	8 29	0 33	5 46	1 33	18 54	2 5	13 32	0 46	22 5	0 37	6 37	12 39	19 58	20 9	25 46	17 20	6 9	
S 18	12 55 15	2 5	13 14 4	0 40	20 49	5 53	8 44	0 33	5 47	1 33	18 54	2 5	13 33	0 46	22 5	0 37	6 38	12 39	19 58	20 9	25 45	17 19	6 10	
M19	13 15 10	4 5	0 13 18	0 19	20 29	5 43	9 0	0 32	5 48	1 33	18 53	2 5	13 33	0 46	22 5	0 37	6 38	12 39	19 57	20 8	25 45	17 18	6 10	
T 20	13 35 4	33 4	32 12 32	0n 1	20 7	5 32	9 15	0 32	5 49	1 33	18 52	2 5	13 33	0 46	22 5	0 37	6 39	12 39	19 56	20 7	25 44	17 18	6 11	
W21	13 55 1s18	3 49	11 48	0 21	19 45	5 21	9 30	0 31	5 50	1 32	18 51	2 5	13 33	0 46	22 5	0 37	6 40	12 38	19 56	20 7	25 44	17 17	6 11	
T 22	14 15 7	16 2	52 11 7	0 41	19 22	5 9	9 46	0 31	5 51	1 32	18 50	2 5	13 33	0 46	22 5	0 36	6 41	12 38	19 55	20 6	25 43	17 17	6 12	
F 23	14 34 13	2 1	44 10 29	0 59	18 58	4 56	10 1	0 30	5 52	1 32	18 49	2 5	13 33	0 46	22 5	0 36	6 41	12 38	19 55	20 5	25 42	17 16	6 12	
S 24	14 53 18	15 0	28 9 57	1 16	18 34	4 43	10 16	0 30	5 53	1 32	18 49	2 6	13 33	0 46	22 5	0 36	6 42	12 38	19 54	20 4	25 42	17 16	6 13	
S 25	15 12 22	29 0s	50 9 30	1 30	18 9	4 30	10 31	0 29	5 53	1 31	18 48	2 6	13 33	0 46	22 5	0 36	6 43	12 38	19 54	20 4	25 41	17 15	6 14	
M26	15 31 25	22 2	6 9 8	1 43	17 44	4 16	10 46	0 29	5 54	1 31	18 47	2 6	13 33	0 46	22 5	0 36	6 43	12 37	19 55	20 3	25 41	17 15	6 14	
T 27	15 49 26	35 3	15 8 53	1 54	17 18	4 1	11 1	0 28	5 54	1 31	18 46	2 6	13 33	0 46	22 4	0 36	6 44	12 37	19 55	20 3	25 40	17 14	6 14	
W28	16 8 26	0 4	10 8 44	2 3	16 53	3 46	11 15	0 28	5 55	1 31	18 45	2 6	13 33	0 46	22 4	0 36	6 45	12 37	19 55	20 2	25 39	17 14	6 15	
T 29	16 26 23	43 4	50 8 40	2 11	16 28	3 31	11 30</																	

SWISS EPHEMERIS for the year 1500

NOVEMBER 1500 JC

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S 1	3 18 14	18♐10°36	17♏5	29♌7	3°R20	3♈15	18°R31	2°R39	26♌10	14♌58	24♈54	28°R40	28♌58	23♏17	26°R55								
M 2	3 22 11	19°11'09	0°V41	29°52	2♈55	3°56	18♏31	2♈39	26°10	14°59	24°56	28♌38	28°54	23°24	26♈52								
T 3	3 26 8	20°11'44	14°5	0♈43	2°31	4°37	18°30	2°29	26°11	15°1	24°58	28°37	28°51	23°31	26°50								
W 4	3 30 4	21°12'20	27°15	1°40	2°10	5°18	18°D30	2°25	26°11	15°2	25°1	28°36	28°48	23°37	26°47								
T 5	3 34 1	22°12'57	10♌12	2°42	1°51	5°59	18°30	2°20	26°12	15°4	25°3	28°36	28°45	23°44	26°44								
F 6	3 37 57	23°13'35	22°55	3°49	1°35	6°40	18°31	2°15	26°12	15°5	25°6	28°D35	28°42	23°51	26°41								
S 7	3 41 54	24°14'15	5♈24	5°0	1°21	7°22	18°31	2°10	26°13	15°7	25°8	28°35	28°39	23°57	26°38								
S 8	3 45 50	25°14'57	17°41	6°14	1°9	8°3	18°32	2°5	26°13	15°8	25°10	28°35	28°35	24°4	26°35								
M 9	3 49 47	26°15'40	29°48	7°31	1°0	8°44	18°33	2°0	26°14	15°10	25°13	28°36	28°32	24°11	26°32								
T 10	3 53 44	27°16'24	11♏45	8°51	0°54	9°25	18°34	1°55	26°15	15°12	25°15	28°36	28°29	24°17	26°28								
W 11	3 57 40	28°17'10	23°38	10°13	0°50	10°6	18°35	1°50	26°15	15°13	25°17	28°R36	28°26	24°24	26°25								
T 12	4 1 37	29°17'58	5♈28	11°36	0°D48	10°48	18°37	1°46	26°16	15°15	25°20	28°36	28°23	24°31	26°22								
F 13	4 5 33	0♌18°47	17°21	13°1	0°49	11°29	18°38	1°41	26°17	15°17	25°22	28°36	28°19	24°38	26°18								
S 14	4 9 30	1°19'37	29°20	14°27	0°52	12°10	18°40	1°36	26°18	15°18	25°25	28°D36	28°16	24°44	26°15								
S 15	4 13 26	2°20'29	11♈31	15°55	0°58	12°52	18°42	1°31	26°19	15°20	25°27	28°36	28°13	24°51	26°12								
M 16	4 17 23	3°21'22	23°58	17°23	1°6	13°33	18°45	1°26	26°20	15°22	25°29	28°36	28°10	24°58	26°8								
T 17	4 21 19	4°22'16	6♌45	18°52	1°17	14°15	18°47	1°21	26°21	15°24	25°32	28°37	28°7	25°4	26°5								
W 18	4 25 16	5°23'12	19°55	20°21	1°29	14°56	18°50	1°16	26°22	15°26	25°34	28°37	28°4	25°11	26°1								
T 19	4 29 12	6°24'09	3♈30	21°51	1°44	15°38	18°53	1°11	26°23	15°27	25°36	28°38	28°0	25°18	25°57								
F 20	4 33 9	7°25'07	17°30	23°22	2°1	16°20	18°56	1°6	26°24	15°29	25°39	28°39	27°57	25°24	25°54								
S 21	4 37 6	8°26'07	1♌52	24°53	2°19	17°1	18°59	1°1	26°26	15°31	25°41	28°R39	27°54	25°31	25°50								
S 22	4 41 2	9°27'07	16°31	26°24	2°40	17°43	19°3	0°56	26°27	15°33	25°43	28°38	27°51	25°38	25°46								
M 23	4 44 59	10°28'09	1♌21	27°56	3°3	18°25	19°7	0°51	26°28	15°35	25°46	28°37	27°48	25°45	25°43								
T 24	4 48 55	11°29'11	16°14	29°27	3°27	19°7	19°11	0°47	26°30	15°37	25°48	28°36	27°45	25°51	25°39								
W 25	4 52 52	12°30'14	1♌2	0♌59	3°53	19°48	19°15	0°42	26°31	15°39	25°50	28°34	27°41	25°58	25°35								
T 26	4 56 48	13°31'17	15°38	2°31	4°21	20°30	19°19	0°37	26°33	15°41	25°53	28°32	27°38	26°5	25°31								
F 27	5 0 45	14°32'21	29°57	4°4	4°51	21°12	19°24	0°32	26°34	15°43	25°55	28°31	27°35	26°11	25°27								
S 28	5 4 42	15°33'25	13♏58	5°36	5°22	21°54	19°28	0°28	26°36	15°45	25°57	28°D31	27°32	26°18	25°23								
S 29	5 8 38	16°34'30	27°38	7°9	5°55	22°36	19°33	0°23	26°37	15°47	26°0	28°31	27°29	26°25	25°19								
M 30	5 12 35	17°35'34	10°V59	8♌42	6♈29	23°18	19°38	0°18	26°39	15°49	26°1	28°32	27°25	26°32	25°16								

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	lat	
S 1	17s17	9s43	5s 0	8s58	2n22	15s15	2s45	12s14	0n26	5s55	1s30	18n42	2s 6	13s33	0s45	22s 4	0n36	6s47	12n37	19n55	19n59	25n37	17n11	6s17
M 2	17 34	3 50	4 29	9 13	2 24	14 51	2 29	12 28	0 25	5 55	1 29	18 41	2 6	13 32	0 45	22 4	0 36	6 48	12 36	19 55	19 58	25 36	17 11	6 17
T 3	17 51	2n 9	3 42	9 31	2 24	14 29	2 14	12 43	0 25	5 55	1 29	18 40	2 6	13 32	0 45	22 4	0 36	6 49	12 36	19 54	19 58	25 35	17 10	6 18
W 4	18 7	7 57	2 45	9 51	2 22	14 7	1 59	12 57	0 24	5 55	1 29	18 39	2 6	13 32	0 45	22 3	0 36	6 49	12 36	19 54	19 57	25 35	17 10	6 18
T 5	18 22	13 20	1 40	10 15	2 20	13 46	1 44	13 11	0 24	5 55	1 28	18 38	2 5	13 32	0 45	22 3	0 36	6 50	12 36	19 54	19 56	25 34	17 9	6 19
F 6	18 38	18 3	0 31	10 40	2 18	13 26	1 29	13 25	0 23	5 55	1 28	18 37	2 5	13 32	0 45	22 3	0 36	6 51	12 36	19 54	19 55	25 33	17 9	6 19
S 7	18 53	21 53	0n38	11 7	2 14	13 8	1 14	13 39	0 23	5 54	1 28	18 36	2 5	13 31	0 45	22 3	0 36	6 51	12 36	19 54	19 55	25 33	17 8	6 19
S 8	19 8	24 40	1 44	11 36	2 10	12 50	0 59	13 53	0 22	5 54	1 28	18 35	2 5	13 31	0 45	22 3	0 36	6 52	12 36	19 54	19 54	25 32	17 8	6 20
M 9	19 22	26 15	2 45	12 5	2 5	12 34	0 45	14 7	0 22	5 53	1 27	18 34	2 5	13 31	0 45	22 3	0 36	6 52	12 36	19 54	19 53	25 31	17 7	6 20
T 10	19 36	26 36	3 37	12 36	2 0	12 18	0 31	14 20	0 21	5 52	1 27	18 33	2 5	13 31	0 45	22 3	0 36	6 53	12 36	19 54	19 53	25 30	17 7	6 21
W 11	19 50	25 42	4 20	13 7	1 54	12 4	0 18	14 34	0 20	5 52	1 27	18 33	2 5	13 30	0 45	22 2	0 36	6 54	12 36	19 54	19 52	25 30	17 7	6 21
T 12	20 3	23 40	4 52	13 38	1 49	11 52	0 5	14 47	0 20	5 51	1 27	18 32	2 5	13 30	0 45	22 2	0 36	6 54	12 36	19 54	19 51	25 29	17 6	6 21
F 13	20 16	20 37	5 11	14 10	1 42	11 40	0n 8	15 1	0 19	5 50	1 26	18 31	2 5	13 30	0 45	22 2	0 36	6 55	12 36	19 54	19 51	25 28	17 6	6 22
S 14	20 29	16 41	5 17	14 42	1 36	11 30	0 20	15 14	0 19	5 49	1 26	18 30	2 5	13 29	0 45	22 2	0 36	6 55	12 36	19 54	19 50	25 28	17 5	6 22
S 15	20 41	12 1	5 9	15 13	1 29	11 20	0 32	15 27	0 18	5 48	1 26	18 29	2 5	13 29	0 45	22 2	0 36	6 56	12 36	19 54	19 49	25 27	17 5	6 22
M 16	20 53	6 47	4 47	15 45	1 22	11 12	0 44	15 40	0 18	5 46	1 26	18 28	2 5	13 29	0 45	22 1	0 36	6 56	12 36	19 54	19 48	25 26	17 4	6 23
T 17	21 5	1 8	4 10	16 16	1 15	11 6	0 55	15 53	0 17	5 45	1 25	18 27	2 5	13 28	0 45	22 1	0 36	6 57	12 36	19 54	19 48	25 25	17 4	6 23
W 18	21 16	4s45	3 19	16 47	1 8	11 0	1 6	16 6	0 16	5 44	1 25	18 26	2 5	13 28	0 45	22 1	0 36	6 57	12 36	19 54	19 47	25 24	17 4	6 23
T 19	21 26	10 36	2 15	17 18	1 1	10 55	1 16	16 19	0 16	5 43	1 25	18 25	2 5	13 27	0 45	22 1	0 36	6 58	12 36	19 55	19 46	25 24	17 3	6 24
F 20	21 36	16 7	1 1	17 47	0 54	10 52	1 26	16 31	0 15	5 41	1 24	18 24	2 4	13 27	0 45	22 1	0 36	6 58	12 36	19 55	19 46	25 23	17 3	6 24
S 21	21 46	20 53	0s18	18 17	0 47	10 49	1 35	16 44	0 15	5 39	1 24	18 23	2 4	13 27	0 45	22 1	0 36	6 59	12 36	19 55	19 45	25 22	17 2	6 24
S 22	21 56	24 26	1 37	18 46	0 40	10 48	1 44	16 56	0 14	5 38	1 24	18 23	2 4	13 26	0 45	22 0	0 36	6 59	12 36	19 55	19 44	25 21	17 2	6 25
M 23	22 5	26 21	2 51	19 13	0 33	10 48	1 53	17 8	0 14	5 36	1 24	18 22	2 4	13 26	0 45	22 0	0 36	7 0	12 36	19 54	19 43	25 20	17 2	6 25
T 24	22 13	26 23	3 54	19 41	0 25	10 48	2 1	17 20	0 13	5 34	1 23	18 21	2 4	13 25	0 45	22 0	0 36	7 0	12 36	19 54	19 43	25 20	17 1	6 25
W 25	22 21	24 32	4 40	20 7	0 18	10 50	2 9	17 32	0 12	5 32	1 23	18 20	2 4	13 25	0 45	22 0	0 36	7 1	12 36	19 54	19 42	25 19	17 1	6 25
T 26	22 29	21 5	5 8	20 33	0 11	10 52	2 16	17 44	0 12	5 31	1 23	18 19	2 4	13 24	0 45	22 0	0 36	7 1	12 36	19 53	19 41	25 18	17 0	6 26
F 27	22 36	16 26	5 16	20 57	0 4	10 55	2 24	17 56	0 11	5 29	1 23	18 18	2 4	13 23	0 45	21 59	0 36	7 2	12 36	19 53	19 41	25 17	17 0	6 26
S 28	22 43	11 0	5 5	21 21	0s 3	10 59	2 30	18 7	0 11	5 26	1 22	18 17	2 3	13 23	0 45	21 59	0 36	7 2	12 36	19 53	19 40	25 16	17 0	6 26
S 29	22 50	5 10																						

SWISS EPHEMERIS for the year 1500

DECEMBER 1500 JC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	5 16 31	18°36'40	24°0' 3	10°15	7°41	24°42	19°49	0°11	26°43	15°53	26° 6	28°35	27°19	26°45	25° 8	25°R12
W 2	5 20 28	19°37'45	6°51	11°48	7°41	24°42	19°49	0°11	26°43	15°53	26° 6	28°35	27°19	26°45	25° 8	25°R12
T 3	5 24 24	20°38'51	19°26	13°21	8°20	25°24	19°54	0° 5	26°44	15°55	26° 9	28°36	27°16	26°52	25° 4	25° 4
F 4	5 28 21	21°39'58	1°11	14°54	8°59	26° 6	20° 0	0° 0	26°46	15°57	26°11	28°R36	27°13	26°58	25° 0	25° 0
S 5	5 32 17	22°41'05	14° 4	16°28	9°40	26°48	20° 6	29°56	26°48	16° 0	26°13	28°36	27°10	27° 5	24°56	24°56
S 6	5 36 14	23°42'12	26°11	18° 2	10°22	27°31	20°12	29°52	26°50	16° 2	26°15	28°33	27° 6	27°12	24°52	24°52
M 7	5 40 11	24°43'20	8°51	19°36	11° 5	28°13	20°18	29°47	26°52	16° 4	26°17	28°30	27° 3	27°18	24°48	24°48
T 8	5 44 7	25°44'28	20° 5	21°10	11°49	28°55	20°25	29°43	26°54	16° 6	26°19	28°25	27° 0	27°25	24°44	24°44
W 9	5 48 4	26°45'36	1°12	22°44	12°34	29°37	20°32	29°39	26°56	16° 8	26°22	28°20	26°57	27°32	24°40	24°40
T 10	5 52 0	27°46'45	13°47	24°19	13°20	0°20	20°38	29°35	26°58	16°10	26°24	28°14	26°54	27°39	24°36	24°36
F 11	5 55 57	28°47'55	25°40	25°54	14° 7	1° 2	20°45	29°31	27° 0	16°13	26°26	28°10	26°51	27°45	24°32	24°32
S 12	5 59 53	29°49'04	7°13	27°29	14°55	1°45	20°52	29°27	27° 3	16°15	26°28	28° 6	26°47	27°52	24°28	24°28
S 13	6 3 50	0°35'15	19°46	29° 5	15°44	2°27	21° 0	29°23	27° 5	16°17	26°30	28° 4	26°44	27°59	24°24	24°24
M14	6 7 46	1°51'25	2° 8	0°31	16°34	3°10	21° 7	29°20	27° 7	16°19	26°32	28°D 3	26°41	28° 5	24°20	24°20
T 15	6 11 43	2°52'36	14°48	2°17	17°24	3°52	21°15	29°16	27° 9	16°21	26°34	28° 4	26°38	28°12	24°16	24°16
W16	6 15 40	3°53'47	27°50	3°53	18°16	4°35	21°22	29°12	27°12	16°24	26°36	28° 5	26°35	28°19	24°12	24°12
T 17	6 19 36	4°54'59	11°11	5°30	19° 8	5°17	21°30	29° 9	27°14	16°26	26°38	28° 7	26°31	28°26	24° 8	24° 8
F 18	6 23 33	5°56'11	25°16	7° 7	20° 1	6° 0	21°38	29° 5	27°17	16°28	26°40	28°R 8	26°28	28°32	24° 4	24° 4
S 19	6 27 29	6°57'23	9°40	8°45	20°54	6°43	21°47	29° 2	27°19	16°30	26°42	28° 7	26°25	28°39	24° 0	24° 0
S 20	6 31 26	7°58'35	24°29	10°23	21°48	7°26	21°55	28°59	27°22	16°33	26°44	28° 5	26°22	28°46	23°57	23°57
M21	6 35 22	8°59'48	9°35	12° 1	22°43	8° 8	22° 3	28°55	27°24	16°35	26°46	28° 0	26°19	28°52	23°53	23°53
T 22	6 39 19	10° 1'00	24°50	13°40	23°39	8°51	22°12	28°52	27°27	16°37	26°48	27°54	26°16	28°59	23°49	23°49
W23	6 43 16	11° 2'11	10°22	15°19	24°35	9°34	22°21	28°49	27°29	16°39	26°49	27°47	26°12	29° 6	23°45	23°45
T 24	6 47 12	12° 3'23	25° 1	16°58	25°31	10°17	22°30	28°46	27°32	16°42	26°51	27°41	26° 9	29°12	23°41	23°41
F 25	6 51 9	13° 4'33	9°40	18°38	26°28	11° 0	22°39	28°44	27°35	16°44	26°53	27°35	26° 6	29°19	23°38	23°38
S 26	6 55 5	14° 5'43	23°53	20°18	27°26	11°43	22°48	28°41	27°37	16°46	26°55	27°31	26° 3	29°26	23°34	23°34
S 27	6 59 2	15° 6'53	7°38	21°59	28°24	12°26	22°57	28°38	27°40	16°48	26°57	27°29	26° 0	29°33	23°30	23°30
M28	7 2 58	16° 8'01	20°58	23°39	29°23	13° 9	23° 7	28°36	27°43	16°51	26°58	27°D29	25°57	29°39	23°27	23°27
T 29	7 6 55	17° 9'09	3°54	25°21	0°22	13°52	23°16	28°33	27°46	16°53	27° 0	27°30	25°53	29°46	23°23	23°23
W30	7 10 51	18°10'16	16°31	27° 2	1°22	14°35	23°26	28°31	27°48	16°55	27° 2	27°31	25°50	29°53	23°20	23°20
T 31	7 14 48	19°11'23	28°53	28°43	2°22	15°18	23°36	28°29	27°51	16°58	27°3	27°R32	25°47	29°59	23°16	23°16

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	23s 1	6n35	2s59	22s26	0s23	11s15	2n48	18s41	0n 9	5s20	1s22	18n15	2s 3	13s21	0s44	21s58	0n35	7s 3	12n36	19n54	19n38	25n14	16n59	6s26
W 2	23 6 12 0	1 57	22 45	0 30	11 22	2 54	18 52	0 8	5 17	1 21	18 14	2 3	13 20	0 44	21 58	0 35	7 4	12 36	19 54	19 37	25 13	16 59	6 27	
T 3	23 10 16 50	0 50	23 4	0 36	11 30	2 59	19 3	0 8	5 15	1 21	18 13	2 3	13 20	0 44	21 58	0 35	7 4	12 36	19 54	19 36	25 12	16 58	6 27	
F 4	23 15 20 53	0n18	23 21	0 43	11 38	3 4	19 13	0 7	5 12	1 21	18 13	2 3	13 19	0 44	21 58	0 35	7 5	12 36	19 54	19 35	25 11	16 58	6 27	
S 5	23 18 23 57	1 24	23 37	0 49	11 46	3 8	19 24	0 6	5 10	1 20	18 12	2 2	13 18	0 44	21 57	0 35	7 5	12 36	19 54	19 35	25 10	16 58	6 27	
S 6	23 21 25 53	2 26	23 52	0 55	11 56	3 12	19 34	0 6	5 7	1 20	18 11	2 2	13 18	0 44	21 57	0 35	7 5	12 37	19 54	19 34	25 9	16 57	6 27	
M 7	23 24 26 35	3 20	24 6	1 1	12 5	3 16	19 44	0 5	5 5	1 20	18 10	2 2	13 17	0 44	21 57	0 35	7 6	12 37	19 53	19 33	25 8	16 57	6 27	
T 8	23 26 26 3	4 6	24 19	1 6	12 15	3 20	19 54	0 4	5 2	1 20	18 10	2 2	13 16	0 44	21 57	0 35	7 6	12 37	19 52	19 33	25 7	16 57	6 27	
W 9	23 28 24 20	4 40	24 30	1 12	12 26	3 23	20 4	0 4	4 59	1 19	18 9	2 2	13 16	0 44	21 57	0 35	7 6	12 37	19 51	19 32	25 6	16 57	6 27	
T 10	23 29 21 33	5 2	24 40	1 17	12 37	3 26	20 14	0 3	4 56	1 19	18 8	2 1	13 15	0 44	21 56	0 35	7 7	12 37	19 49	19 31	25 5	16 56	6 28	
F 11	23 30 17 53	5 12	24 49	1 22	12 48	3 29	20 23	0 2	4 53	1 19	18 8	2 1	13 14	0 44	21 56	0 35	7 7	12 37	19 48	19 30	25 4	16 56	6 28	
S 12	23 30 13 29	5 8	24 56	1 27	13 0	3 31	20 32	0 2	4 50	1 19	18 7	2 1	13 13	0 44	21 56	0 35	7 7	12 37	19 47	19 30	25 4	16 56	6 28	
S 13	23 30 8 30	4 50	25 2	1 32	13 11	3 33	20 41	0 1	4 47	1 19	18 6	2 1	13 12	0 44	21 56	0 35	7 8	12 38	19 47	19 29	25 3	16 56	6 28	
M14	23 30 3 6	4 19	25 6	1 36	13 24	3 35	20 50	0 1	4 44	1 18	18 6	2 1	13 12	0 44	21 55	0 35	7 8	12 38	19 47	19 28	25 2	16 56	6 28	
T 15	23 28 2s33	3 34	25 9	1 40	13 36	3 37	20 59	0s 0	4 41	1 18	18 5	2 0	13 11	0 44	21 55	0 35	7 8	12 38	19 47	19 27	25 1	16 55	6 28	
W16	23 27 8 17	2 38	25 11	1 44	13 49	3 39	21 8	0 1	4 37	1 18	18 5	2 0	13 10	0 44	21 55	0 35	7 8	12 38	19 47	19 27	25 0	16 55	6 28	
T 17	23 25 13 50	1 30	25 11	1 48	14 2	3 40	21 16	0 1	4 34	1 18	18 4	2 0	13 9	0 44	21 55	0 35	7 9	12 38	19 48	19 26	24 59	16 55	6 28	
F 18	23 22 18 53	0 16	25 10	1 51	14 15	3 41	21 24	0 2	4 31	1 17	18 4	2 0	13 8	0 44	21 54	0 35	7 9	12 38	19 48	19 25	24 58	16 55	6 28	
S 19	23 19 22 59	1s 2	25 7	1 54	14 28	3 42	21 32	0 3	4 27	1 17	18 3	2 0	13 7	0 44	21 54	0 35	7 9	12 39	19 48	19 24	24 57	16 55	6 28	
S 20	23 16 25 41	2 18	25 3	1 57	14 41	3 43	21 40	0 3	4 24	1 17	18 3	1 59	13 6	0 44	21 54	0 35	7 9	12 39	19 47	19 24	24 56	16 55	6 28	
M21	23 12 26 35	3 26	24 57	1 59	14 54	3 43	21 48	0 4	4 20	1 17	18 2	1 59	13 6	0 44	21 53	0 35	7 10	12 39	19 46	19 23	24 55	16 55	6 28	
T 22	23 8 25 28	4 19	24 49	2 2	15 8	3 43	21 55	0 5	4 16	1 16	18 2	1 59	13 5	0 44	21 53	0 35	7 10	12 39	19 45	19 22	24 54	16 54	6 28	
W23	23 3 22 30	4 54	24 40	2 3	15 21	3 43	22 2	0 6	4 13	1 16	18 1	1 59	13 4	0 44	21 53	0 35	7 10	12 39	19 43	19 21	24 53	16 54	6 27	
T 24	22 57 18 3	5 8	24 29	2 5	15 35	3 43	22 9	0 6	4 9	1 16	18 1	1 58	13 3	0 44	21 53	0 35	7 10	12 40	19 42	19 21	24 52	16 54	6 27	
F 25	22 52 12 37	5 2	24 17	2 6	15 48	3 43	22 16	0 7	4 5	1 16	18 1	1 58	13 2	0 44	21 52	0 35	7 10	12 40	19 40	19 20	24 50	16 54	6 27	
S 26	22 45 6 40	4 37	24 3	2 6	16 2	3 43	22 23	0 8	4 1	1 16	18 0	1 58	13 1	0 44	21 52	0 35	7 11	12 40	19 40	19 19	24 49	16 54	6 27	
S 27	22 39 0 35	3 56	23 47	2 6	16 15	3 42	22 29	0 8	3 57	1 15	18 0	1 58	13 0	0 44	21 52	0 35	7 11	12 40	19 39	19 18	24 48	16 54	6 27	
M28	22 32 5n22																							