

SWISS EPHEMERIS for the year 1557

JANUARY 1557 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
F 1	7 20 28	20°37'22	21°54'	26°55'	4°30'	18°14'	24°12'	18°32'	5°53'	19°25'	4°18'	24°R 5	22°36'	28°52'	28°37'
S 2	7 24 24	21°38'30	4°29'	28° 2'	5°36'	18°39'	24°25'	18°35'	5°54'	19°25'	4°19'	23°54'	22°33'	28°59'	28°40'
S 3	7 28 21	22°39'37	17°16'	29°11'	6°43'	19° 5'	24°37'	18°37'	5°56'	19°24'	4°21'	23°43'	22°30'	29° 5'	28°44'
M 4	7 32 17	23°40'44	0°16'	0°23'	7°49'	19°30'	24°50'	18°40'	5°57'	19°24'	4°22'	23°33'	22°27'	29°12'	28°47'
T 5	7 36 14	24°41'49	13°27'	1°36'	8°56'	19°55'	25° 3'	18°42'	5°59'	19°23'	4°23'	23°24'	22°24'	29°19'	28°50'
W 6	7 40 10	25°42'53	26°49'	2°51'	10° 3'	20°20'	25°16'	18°45'	6° 0'	19°23'	4°25'	23°18'	22°20'	29°25'	28°54'
T 7	7 44 7	26°43'57	10°23'	4° 7'	11°11'	20°45'	25°29'	18°48'	6° 2'	19°22'	4°26'	23°14'	22°17'	29°32'	28°57'
F 8	7 48 3	27°44'59	24° 9'	5°25'	12°18'	21° 9'	25°41'	18°51'	6° 3'	19°22'	4°27'	23°D13	22°14'	29°39'	29° 0'
S 9	7 52 0	28°46'00	8° 8'	6°44'	13°26'	21°33'	25°54'	18°54'	6° 4'	19°21'	4°29'	23°13'	22°11'	29°45'	29° 2'
S 10	7 55 57	29°47'01	22°18'	8° 5'	14°34'	21°57'	26° 7'	18°57'	6° 5'	19°21'	4°30'	23°R14	22° 8'	29°52'	29° 5'
M11	7 59 53	0°48'00	6°II40	9°26'	15°42'	22°21'	26°19'	19° 1'	6° 6'	19°21'	4°31'	23°13'	22° 4'	29°59'	29° 8'
T 12	8 3 50	1°48'57	21°11'	10°49'	16°50'	22°44'	26°31'	19° 4'	6° 7'	19°21'	4°33'	23°10'	22° 1'	0°27 5	29°10'
W13	8 7 46	2°49'54	5°246	12°12'	17°58'	23° 7'	26°44'	19° 8'	6° 8'	19°20'	4°34'	23° 4'	21°58'	0°12	29°13'
T 14	8 11 43	3°50'50	20°49	13°37'	19° 6'	23°29'	26°56'	19°11'	6° 9'	19°20'	4°36'	22°56'	21°55'	0°19	29°15'
F 15	8 15 39	4°51'44	4°Ω44	15° 2'	20°15'	23°51'	27° 8'	19°15'	6°10'	19°20'	4°37'	22°45'	21°52'	0°25	29°17'
S 16	8 19 36	5°52'37	18°54'	16°29'	21°24'	24°13'	27°21'	19°19'	6°11'	19°20'	4°39'	22°33'	21°49'	0°32	29°19'
S 17	8 23 32	6°53'29	2°II43	17°56'	22°33'	24°35'	27°33'	19°23'	6°12'	19°20'	4°40'	22°22'	21°45'	0°39	29°21'
M18	8 27 29	7°54'20	16° 9'	19°24'	23°42'	24°56'	27°45'	19°27'	6°12'	19°20'	4°41'	22°11'	21°42'	0°45	29°23'
T 19	8 31 26	8°55'10	29° 9'	20°54'	24°51'	25°17'	27°57'	19°31'	6°13'	19°20'	4°43'	22° 3'	21°39'	0°52	29°25'
W20	8 35 22	9°56'00	11°47	22°23'	26° 0'	25°38'	28° 9'	19°35'	6°14'	19°D20	4°44'	21°57'	21°36'	0°58	29°26'
T 21	8 39 19	10°56'48	24° 4'	23°54'	27°10'	25°58'	28°20'	19°39'	6°14'	19°20'	4°46'	21°54'	21°33'	1° 5'	29°28'
F 22	8 43 15	11°57'35	6°II 6	25°26'	28°19'	26°18'	28°32'	19°43'	6°15'	19°20'	4°47'	21°53'	21°30'	1°12	29°29'
S 23	8 47 12	12°58'21	17°58'	26°58'	29°29'	26°38'	28°44'	19°48'	6°15'	19°20'	4°49'	21°53'	21°26'	1°18	29°30'
S 24	8 51 8	13°59'06	29°45	28°31'	0°38	26°57'	28°56'	19°52'	6°16'	19°20'	4°51'	21°52'	21°23'	1°25	29°31'
M25	8 55 5	14°59'50	11°433	0°45 5	1°48	27°16'	29° 7'	19°57'	6°16'	19°20'	4°52'	21°51'	21°20'	1°32	29°32'
T 26	8 59 1	16° 0'33	23°28	1°40	2°58	27°34'	29°19'	20° 1'	6°16'	19°20'	4°54'	21°48'	21°17'	1°38	29°33'
W27	9 2 58	17° 1'15	5°333	3°16	4° 8	27°52'	29°30'	20° 6'	6°16'	19°21'	4°55'	21°41'	21°14'	1°45	29°34'
T 28	9 6 55	18° 1'56	17°52	4°52	5°19	28°10'	29°41'	20°11'	6°17'	19°21'	4°57'	21°32'	21°10'	1°52	29°34'
F 29	9 10 51	19° 2'35	0°27	6°29	6°29	28°27'	29°52'	20°16'	6°17'	19°21'	4°58'	21°20'	21° 7'	1°58	29°35'
S 30	9 14 48	20° 3'13	13°19	8° 7'	7°39	28°44'	0° 4	20°21'	6°R17	19°21'	5° 0	21° 7	21° 4	2° 5	29°35'
S 31	9 18 44	21°34'9	26°28	9°46	8°50	29° 0	0°15	20°26	6°II.17	19°22	5°K 1	20°53	21° 1	2°12	29°36

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	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	decl	lat	lat	
F 1	21s55	25s57	4s18	22s14	1n14	18s 5	3n 4	5s11	2n 8	23s 3	0n19	4n58	2s30	13s 4	0n29	15n55	1s47	22s15	13s16	18n50	18n28	20s30	11s25	0s26							
S 2	21 45	23 50	4 47	22 24	1 15	18 18	3 2	5 21	2 9	23 3	0 19	4 59	2 30	13 4	0 29	15 55	1 47	22 15	13 16	18 48	18 27	20 33	11 26	0 26							
S 3	21 35	20 29	5 2	22 34	0 56	18 32	3 0	5 30	2 9	23 4	0 19	5 0	2 30	13 5	0 29	15 54	1 47	22 14	13 16	18 45	18 26	20 35	11 27	0 25							
M 4	21 25	16 7	5 2	22 43	0 46	18 45	2 58	5 39	2 10	23 5	0 19	5 2	2 29	13 5	0 29	15 54	1 47	22 13	13 15	18 42	18 26	20 37	11 28	0 25							
T 5	21 14	10 55	4 46	22 52	0 37	18 57	2 56	5 48	2 10	23 5	0 19	5 3	2 29	13 6	0 29	15 54	1 47	22 13	13 15	18 40	18 25	20 40	11 29	0 25							
W 6	21 3	5 9	4 14	22 59	0 29	19 9	2 53	5 57	2 11	23 6	0 19	5 4	2 29	13 6	0 29	15 54	1 47	22 12	13 15	18 39	18 24	20 42	11 29	0 25							
T 7	20 52	0n56	3 28	23 6	0 20	19 21	2 51	6 6	2 11	23 6	0 19	5 6	2 29	13 7	0 29	15 54	1 47	22 11	13 15	18 38	18 23	20 44	11 30	0 24							
F 8	20 40	7 5	2 28	23 12	0 11	19 32	2 49	6 14	2 12	23 7	0 19	5 7	2 28	13 7	0 29	15 54	1 47	22 11	13 15	18 37	18 22	20 46	11 31	0 24							
S 9	20 27	13 0	1 20	23 17	0 3	19 43	2 46	6 23	2 12	23 7	0 19	5 8	2 28	13 7	0 29	15 54	1 47	22 10	13 15	18 37	18 22	20 49	11 32	0 24							
S 10	20 15	18 19	0 5	23 20	0s 5	19 54	2 43	6 31	2 13	23 8	0 19	5 10	2 28	13 8	0 29	15 54	1 47	22 9	13 14	18 38	18 21	20 51	11 33	0 23							
M11	20 2	22 39	1n11	23 23	0 13	20 4	2 41	6 39	2 13	23 8	0 19	5 11	2 27	13 8	0 29	15 54	1 47	22 9	13 14	18 37	18 20	20 53	11 33	0 23							
T 12	19 48	25 35	2 23	23 24	0 21	20 13	2 38	6 48	2 14	23 8	0 19	5 13	2 27	13 9	0 29	15 54	1 46	22 8	13 14	18 37	18 19	20 56	11 34	0 23							
W13	19 34	26 48	3 26	23 25	0 29	20 23	2 35	6 56	2 14	23 9	0 19	5 14	2 27	13 9	0 29	15 54	1 46	22 7	13 14	18 35	18 20	20 58	11 34	0 23							
T 14	19 20	26 9	4 15	23 24	0 36	20 31	2 32	7 3	2 15	23 9	0 19	5 16	2 27	13 9	0 29	15 54	1 46	22 7	13 14	18 33	18 17	21 0	11 35	0 22							
F 15	19 6	23 46	4 47	23 22	0 43	20 39	2 29	7 11	2 15	23 10	0 18	5 18	2 26	13 9	0 29	15 54	1 46	22 6	13 14	18 30	18 17	21 2	11 35	0 22							
S 16	18 51	19 57	5 1	23 18	0 50	20 47	2 26	7 19	2 16	23 10	0 18	5 19	2 26	13 10	0 29	15 54	1 46	22 5	13 14	18 27	18 16	21 5	11 36	0 22							
S 17	18 36	15 8	4 57	23 14	0 56	20 54	2 23	7 26	2 16	23 10	0 18	5 21	2 26	13 10	0 29	15 54	1 46	22 5	13 14	18 24	18 15	21 7	11 36	0 21							
M18	18 20	9 43	4 36	23 8	1 3	21 1	2 20	7 34	2 17	23 10	0 18	5 23	2 26	13 10	0 29	15 54	1 46	22 4	13 13	18 22	18 14	21 9	11 37	0 21							
T 19	18 4	4 1	4 1	23 0	1 9	21 7	2 17	7 41	2 17	23 11	0 18	5 25	2 25	13 10	0 29	15 54	1 46	22 3	13 13	18 19	18 13	21 11	11 37	0 21							
W20	17 48	1s40	3 16	22 52	1 15	21 13	2 13	7 48	2 18	23 11	0 18	5 26	2 25	13 11	0 29	15 54	1 46	22 3	13 13	18 18	18 12	21 14	11 37	0 21							
T 21	17 32	7 10	2 22	22 42	1 20																										

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	9 22 41	22° 4'24"	9° 51'	11° 26'	10° 0'	29° 16'	0° 25'	20° 31'	6° 17'	19° 22'	5° 3'	20° 40'	20° 58'	2° 18'	29° 36'
T 2	9 26 37	23° 4'57"	23° 27'	13° 7'	11° 11'	29° 31'	0° 36'	20° 36'	6° 17'	19° 23'	5° 5'	20° 21'	20° 55'	2° 25'	29° 36'
W 3	9 30 34	24° 5'28"	7° 11'	14° 49'	12° 21'	29° 46'	0° 47'	20° 42'	6° 16'	19° 23'	5° 6'	20° 21'	20° 51'	2° 32'	29° 36'
T 4	9 34 30	25° 5'58"	21° 3'	16° 31'	13° 32'	0° 0'	0° 58'	20° 47'	6° 16'	19° 24'	5° 8'	20° 16'	20° 48'	2° 38'	29° 35'
F 5	9 38 27	26° 6'25"	5° 0'	18° 15'	14° 43'	0° 14'	1° 8'	20° 52'	6° 16'	19° 24'	5° 9'	20° 14'	20° 45'	2° 45'	29° 35'
S 6	9 42 24	27° 6'51"	19° 1'	20° 0'	15° 54'	0° 28'	1° 19'	20° 58'	6° 16'	19° 25'	5° 11'	20° 13'	20° 42'	2° 51'	29° 35'
S 7	9 46 20	28° 7'15"	3° 5'	21° 45'	17° 5'	0° 40'	1° 29'	21° 4'	6° 15'	19° 25'	5° 13'	20° 13'	20° 39'	2° 58'	29° 34'
M 8	9 50 17	29° 7'36"	17° 12'	23° 32'	18° 16'	0° 53'	1° 39'	21° 9'	6° 15'	19° 26'	5° 14'	20° 13'	20° 35'	3° 5'	29° 33'
T 9	9 54 13	0° 7'56"	1° 21'	25° 19'	19° 27'	1° 5'	1° 50'	21° 15'	6° 14'	19° 27'	5° 16'	20° 10'	20° 32'	3° 11'	29° 33'
W10	9 58 10	1° 8'14"	15° 30'	27° 7'	20° 38'	1° 16'	2° 0'	21° 21'	6° 14'	19° 28'	5° 18'	20° 4'	20° 29'	3° 18'	29° 32'
T 11	10 2 6	2° 8'30"	29° 36'	28° 57'	21° 49'	1° 27'	2° 10'	21° 27'	6° 13'	19° 28'	5° 19'	19° 55'	20° 26'	3° 25'	29° 31'
F 12	10 6 3	3° 8'43"	13° 34'	0° 47'	23° 1'	1° 37'	2° 19'	21° 33'	6° 12'	19° 29'	5° 21'	19° 44'	20° 23'	3° 31'	29° 30'
S 13	10 9 59	4° 8'55"	27° 21'	2° 38'	24° 12'	1° 46'	2° 29'	21° 38'	6° 12'	19° 30'	5° 22'	19° 32'	20° 20'	3° 38'	29° 28'
S 14	10 13 56	5° 9'05"	10° 52'	4° 31'	25° 23'	1° 55'	2° 39'	21° 45'	6° 11'	19° 31'	5° 24'	19° 20'	20° 16'	3° 45'	29° 27'
M15	10 17 53	6° 9'13"	24° 5'	6° 24'	26° 35'	2° 4'	2° 48'	21° 51'	6° 10'	19° 32'	5° 26'	19° 9'	20° 13'	3° 51'	29° 26'
T 16	10 21 49	7° 9'19"	6° 58'	8° 18'	27° 46'	2° 11'	2° 58'	21° 57'	6° 9'	19° 32'	5° 27'	19° 0'	20° 10'	3° 58'	29° 24'
W17	10 25 46	8° 9'24"	19° 32'	10° 13'	28° 58'	2° 19'	3° 7'	22° 3'	6° 8'	19° 33'	5° 29'	18° 53'	20° 7'	4° 5'	29° 22'
T 18	10 29 42	9° 9'27"	1° 49'	12° 9'	0° 9'	2° 25'	3° 16'	22° 9'	6° 7'	19° 34'	5° 31'	18° 50'	20° 4'	4° 11'	29° 20'
F 19	10 33 39	10° 9'28"	13° 51'	14° 5'	1° 21'	2° 31'	3° 25'	22° 16'	6° 6'	19° 35'	5° 32'	18° 48'	20° 1'	4° 18'	29° 19'
S 20	10 37 35	11° 9'28"	25° 44'	16° 2'	2° 33'	2° 36'	3° 34'	22° 22'	6° 5'	19° 36'	5° 34'	18° 48'	19° 57'	4° 25'	29° 17'
S 21	10 41 32	12° 9'26"	7° 33'	17° 59'	3° 44'	2° 41'	3° 43'	22° 29'	6° 4'	19° 38'	5° 35'	18° 49'	19° 54'	4° 31'	29° 15'
M22	10 45 28	13° 9'22"	19° 22'	19° 56'	4° 56'	2° 45'	3° 51'	22° 35'	6° 3'	19° 39'	5° 37'	18° 49'	19° 51'	4° 38'	29° 12'
T 23	10 49 25	14° 9'17"	1° 18'	21° 54'	6° 8'	2° 48'	4° 0'	22° 42'	6° 2'	19° 40'	5° 39'	18° 47'	19° 48'	4° 44'	29° 10'
W24	10 53 22	15° 9'10"	13° 25'	23° 51'	7° 20'	2° 50'	4° 8'	22° 48'	6° 1'	19° 41'	5° 40'	18° 43'	19° 45'	4° 51'	29° 8'
T 25	10 57 18	16° 9'01"	25° 48'	25° 48'	8° 32'	2° 52'	4° 17'	22° 55'	5° 59'	19° 42'	5° 42'	18° 37'	19° 41'	4° 58'	29° 5'
F 26	11 1 15	17° 8'50"	8° 31'	27° 44'	9° 44'	2° 53'	4° 25'	23° 2'	5° 58'	19° 43'	5° 43'	18° 29'	19° 38'	5° 4'	29° 3'
S 27	11 5 11	18° 8'38"	21° 35'	29° 39'	10° 56'	2° 54'	4° 33'	23° 8'	5° 57'	19° 45'	5° 45'	18° 19'	19° 35'	5° 11'	29° 0'
S 28	11 9 8	19° 8'23"	5° 0'	1° 33'	12° 8'	2° 53'	4° 41'	23° 15'	5° 55'	19° 46'	5° 47'	18° 8'	19° 32'	5° 18'	28° 57'

Day	☉		☽		♀		♁		♂		♃		♅		♁		♁		♁		♁			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
M 1	14s11	12s16	4s44	19s20	2s 2	21s37	1n31	9s 1	2n23	23s12	0n17	5n50	2s22	13s11	0n29	15n56	1s45	21s55	13s12	17n58	18n 2	21s40	11s37	0s17
T 2	13 51	6 28	4 12	18 54	2 3	21 35	1 27	9 6	2 23	23 12	0 17	5 52	2 22	13 11	0 29	15 56	1 45	21 54	13 12	17 55	18 2	21 42	11 37	0 17
W 3	13 31	0 18	3 26	18 25	2 5	21 33	1 23	9 10	2 24	23 12	0 17	5 55	2 22	13 11	0 29	15 56	1 45	21 54	13 12	17 53	18 1	21 44	11 37	0 16
T 4	13 11	5n57	2 28	17 55	2 6	21 29	1 19	9 15	2 24	23 12	0 17	5 57	2 22	13 11	0 29	15 56	1 45	21 53	13 12	17 51	18 0	21 47	11 36	0 16
F 5	12 51	11 58	1 20	17 24	2 6	21 26	1 16	9 20	2 24	23 12	0 17	5 59	2 21	13 11	0 29	15 56	1 45	21 52	13 12	17 51	17 59	21 49	11 36	0 16
S 6	12 30	17 25	0 6	16 51	2 6	21 22	1 12	9 24	2 25	23 12	0 17	6 1	2 21	13 11	0 29	15 57	1 45	21 52	13 12	17 51	17 58	21 51	11 35	0 15
S 7	12 9	21 56	1n 8	16 16	2 6	21 17	1 8	9 28	2 25	23 12	0 17	6 4	2 21	13 11	0 29	15 57	1 45	21 51	13 12	17 51	17 57	21 53	11 35	0 15
M 8	11 48	25 10	2 18	15 41	2 5	21 11	1 4	9 32	2 26	23 12	0 17	6 6	2 21	13 11	0 29	15 57	1 45	21 51	13 12	17 50	17 57	21 55	11 34	0 15
T 9	11 27	26 49	3 19	15 3	2 4	21 5	1 1	9 36	2 26	23 12	0 17	6 8	2 21	13 10	0 29	15 57	1 45	21 50	13 12	17 50	17 56	21 57	11 34	0 14
W10	11 6	26 43	4 9	14 24	2 2	20 58	0 57	9 39	2 26	23 12	0 17	6 10	2 20	13 10	0 29	15 58	1 45	21 49	13 12	17 48	17 55	21 59	11 33	0 14
T 11	10 44	24 53	4 42	13 44	2 0	20 51	0 53	9 43	2 26	23 12	0 17	6 13	2 20	13 10	0 29	15 58	1 45	21 49	13 12	17 46	17 54	22 2	11 32	0 14
F 12	10 23	21 34	4 59	13 3	1 57	20 43	0 49	9 46	2 27	23 12	0 17	6 15	2 20	13 10	0 29	15 58	1 44	21 48	13 12	17 43	17 53	22 4	11 32	0 13
S 13	10 1 17	5 4 58	12 19	1 54	20 35	0 45	9 49	2 27	23 12	0 17	6 18	2 20	13 9	0 29	15 58	1 44	21 48	13 12	17 40	17 52	22 6	11 31	0 13	
S 14	9 39	11 50	4 40	11 35	1 50	20 26	0 42	9 52	2 27	23 12	0 17	6 20	2 20	13 9	0 29	15 59	1 44	21 47	13 12	17 36	17 51	22 8	11 30	0 13
M15	9 17	6 8	4 8	10 49	1 45	20 16	0 38	9 55	2 28	23 12	0 17	6 23	2 19	13 9	0 29	15 59	1 44	21 46	13 12	17 33	17 51	22 10	11 29	0 12
T 16	8 54	0 20	3 23	10 2	1 40	20 6	0 34	9 57	2 28	23 11	0 16	6 25	2 19	13 9	0 29	15 59	1 44	21 46	13 12	17 31	17 50	22 12	11 28	0 12
W17	8 32	5s22	2 29	9 13	1 35	19 55	0 31	9 59	2 28	23 11	0 16	6 27	2 19	13 8	0 29	16 0	1 44	21 45	13 12	17 29	17 49	22 14	11 27	0 12
T 18	8 9	10 44	1 29	8 24	1 29	19 44	0 27	10 1	2 28	23 11	0 16	6 30	2 19	13 8	0 29	16 0	1 44	21 45	13 12	17 28	17 48	22 16	11 27	0 11
F 19	7 47	15 37	0 26	7 33	1 22	19 32	0 23	10 3	2 28	23 11	0 16	6 32	2 19	13 8	0 29	16 0	1 44	21 44	13 12	17 28	17 47	22 18	11 26	0 11
S 20	7 24	19 50	0s37	6 41	1 15	19 19	0 20	10 5	2 28	23 11	0 16	6 35	2 19	13 7	0 29	16 1	1 44	21 43	13 13	17 28	17 46	22 20	11 25	0 11
S 21	7 1 23	14 1 38	5 48	1 7	19 6	0 16	10 7	2 28	23 11	0 16	6 38	2 18	13 7	0 29	16 1	1 44	21 43	13 13	17 28	17 46	22 23	11 23	0 10	
M22	6 38	25 39	2 35	4 54	0 59	18 53	0 12	10 8	2 29	23 10	0 16	6 40	2 18	13 6	0 29	16 1	1 44	21 42	13 13	17 28	17 45	22 25	11 22	0 10
T 23	6 15	26 56	3 26	3 59	0 50	18 39	0 9	10 9	2 29	23 10	0 16	6 43	2 18	13 6	0 30	16 2	1 44	21 42	13 13	17 27	17 44	22 27	11 21	0 10
W24	5 52	26 57	4 9	3 4	0 40	18 24	0 5	10 10	2 29	23 10	0 16	6 45	2 18	13 6	0 30	16 2	1 44	21 41	13 13	17 26	17 43	22 29	11 20	0 9
T 25	5 29	25 38	4 41	2 8	0 30	18 9	0 2	10 10	2 29	23 10	0 16	6 48	2 18	13 5	0 30	16 2	1 44	21 41	13 13	17 24	17 42	22 31	11 19	0 9
F 26	5 5 23	0 5 0	1 12	0 20	17 53	0s 2	10 11	2 29	23 10	0 16	6 50	2 18	13 5	0 30	16 3	1 44	21 40	13 13	17 22	17 41	22 33	11 18	0 8	
S 27	4 42	19 8 5 4	0 16	0 8	17 37	0 5	10 11	2 28	23 9	0 16	6 53	2 18	13 4	0 30	16 3	1 44	21 40	13 13	17 19	17 40	22 35	11 16	0 8	
S 28	4s19	14s13	4s51	0n40	0n 3	17s20	0s 8	10s11	2n28	23s 9	0n16	6n56	2s17	13s 4	0n30	16n 4	1s44	21s39	13s13	17n16	17n40	22s37	11s15	0s 8

Julian Day Number = 2289783.5, Delta T = 151.45 sec

Ecliptic obliquity = 23°29'55", Nutation = - 0°00'12"

Ayanamsha: Fagan/Bradley = 18°33'36", Lahiri = 17°40'36" Julian Calendar 1 Feb. 1557 == Greg. Calendar 11 Feb. 1557

SWISS EPHEMERIS for the year 1557

MARCH 1557 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	11 13 4	20 ^h 8'07"	18 ^h 44'	3 ^h 25'	13 ^h 20'	2 ^h 52'	4 ^h 48'	23 ^h 22'	5 ^h 54'	19 ^h 47'	5 ^h 48'	17 ^h 58'	19 ^h 29'	5 ^h 24'	28 ^h 54'								
T 2	11 17 1	21 ^h 7'49"	2 ^h 44'	5 ^h 14'	14 ^h 32'	2 ^h 50'	4 ^h 56'	23 ^h 29'	5 ^h 52'	19 ^h 48'	5 ^h 50'	17 ^h 50'	19 ^h 26'	5 ^h 31'	28 ^h 51'								
W 3	11 20 57	22 ^h 7'28"	16 ^h 56'	7 ^h 1'	15 ^h 44'	2 ^h 47'	5 ^h 3'	23 ^h 36'	5 ^h 51'	19 ^h 50'	5 ^h 51'	17 ^h 44'	19 ^h 22'	5 ^h 38'	28 ^h 48'								
T 4	11 24 54	23 ^h 7'05"	1 ^h 13'	8 ^h 44'	16 ^h 56'	2 ^h 44'	5 ^h 11'	23 ^h 43'	5 ^h 49'	19 ^h 51'	5 ^h 53'	17 ^h 40'	19 ^h 19'	5 ^h 44'	28 ^h 45'								
F 5	11 28 51	24 ^h 6'41"	15 ^h 33'	10 ^h 24'	18 ^h 8'	2 ^h 40'	5 ^h 18'	23 ^h 50'	5 ^h 47'	19 ^h 53'	5 ^h 55'	17 ^h D39	19 ^h 16'	5 ^h 51'	28 ^h 42'								
S 6	11 32 47	25 ^h 6'14"	29 ^h 50'	12 ^h 0'	19 ^h 21'	2 ^h 35'	5 ^h 25'	23 ^h 57'	5 ^h 46'	19 ^h 54'	5 ^h 56'	17 ^h 39'	19 ^h 13'	5 ^h 58'	28 ^h 38'								
S 7	11 36 44	26 ^h 5'44"	14 ^h II 4	13 ^h 31'	20 ^h 33'	2 ^h 29'	5 ^h 32'	24 ^h 0'	5 ^h 44'	19 ^h 56'	5 ^h 58'	17 ^h 40'	19 ^h 10'	6 ^h 4'	28 ^h 35'								
M 8	11 40 40	27 ^h 5'12"	28 ^h 10'	14 ^h 57'	21 ^h 45'	2 ^h 23'	5 ^h 39'	24 ^h 11'	5 ^h 42'	19 ^h 57'	5 ^h 59'	17 ^h R41	19 ^h 7'	6 ^h 11'	28 ^h 32'								
T 9	11 44 37	28 ^h 4'38"	12 ^h ☾10	16 ^h 17'	22 ^h 57'	2 ^h 15'	5 ^h 45'	24 ^h 18'	5 ^h 41'	19 ^h 59'	6 ^h 1'	17 ^h 40'	19 ^h 3'	6 ^h 18'	28 ^h 28'								
W10	11 48 33	29 ^h 4'02"	26 ^h 2'	17 ^h 32'	24 ^h 10'	2 ^h 7'	5 ^h 52'	24 ^h 25'	5 ^h 39'	20 ^h 0'	6 ^h 2'	17 ^h 37'	19 ^h 0'	6 ^h 24'	28 ^h 24'								
T 11	11 52 30	0 ^h Y 3'23"	9 ^h Ω44	18 ^h 41'	25 ^h 22'	1 ^h 58'	5 ^h 58'	24 ^h 33'	5 ^h 37'	20 ^h 2'	6 ^h 4'	17 ^h 32'	18 ^h 57'	6 ^h 31'	28 ^h 21'								
F 12	11 56 26	1 ^h 2'42"	23 ^h 16'	19 ^h 44'	26 ^h 34'	1 ^h 49'	6 ^h 4'	24 ^h 40'	5 ^h 35'	20 ^h 3'	6 ^h 5'	17 ^h 25'	18 ^h 54'	6 ^h 38'	28 ^h 17'								
S 13	12 0 23	2 ^h 1'58"	6 ^h ☾36	20 ^h 40'	27 ^h 47'	1 ^h 39'	6 ^h 10'	24 ^h 47'	5 ^h 33'	20 ^h 5'	6 ^h 7'	17 ^h 17'	18 ^h 51'	6 ^h 44'	28 ^h 13'								
S 14	12 4 20	3 ^h 1'13"	19 ^h 43'	21 ^h 29'	28 ^h 59'	1 ^h 27'	6 ^h 16'	24 ^h 54'	5 ^h 31'	20 ^h 7'	6 ^h 8'	17 ^h 9'	18 ^h 47'	6 ^h 51'	28 ^h 9'								
M15	12 8 16	4 ^h 0'25"	2 ^h Δ36	22 ^h 11'	0 ^h ☿11	1 ^h 16'	6 ^h 21'	25 ^h 2'	5 ^h 29'	20 ^h 8'	6 ^h 10'	17 ^h 2'	18 ^h 44'	6 ^h 58'	28 ^h 5'								
T 16	12 12 13	4 ^h 59'35"	15 ^h 14'	22 ^h 46'	1 ^h 24'	1 ^h 3'	6 ^h 27'	25 ^h 9'	5 ^h 27'	20 ^h 10'	6 ^h 11'	16 ^h 57'	18 ^h 41'	7 ^h 4'	28 ^h 1'								
W17	12 16 9	5 ^h 58'43"	27 ^h 37'	23 ^h 14'	2 ^h 36'	0 ^h 50'	6 ^h 32'	25 ^h 17'	5 ^h 25'	20 ^h 12'	6 ^h 13'	16 ^h 53'	18 ^h 38'	7 ^h 11'	27 ^h 57'								
T 18	12 20 6	6 ^h 57'49"	9 ^h ☾47	23 ^h 35'	3 ^h 49'	0 ^h 36'	6 ^h 37'	25 ^h 24'	5 ^h 23'	20 ^h 13'	6 ^h 14'	16 ^h 51'	18 ^h 35'	7 ^h 17'	27 ^h 53'								
F 19	12 24 2	7 ^h 56'53"	21 ^h 47'	23 ^h 48'	5 ^h 1'	0 ^h 21'	6 ^h 43'	25 ^h 31'	5 ^h 21'	20 ^h 15'	6 ^h 15'	16 ^h D51	18 ^h 32'	7 ^h 24'	27 ^h 49'								
S 20	12 27 59	8 ^h 55'56"	3 ^h ♂39	23 ^h R55	6 ^h 14'	0 ^h 6'	6 ^h 47'	25 ^h 39'	5 ^h 18'	20 ^h 17'	6 ^h 17'	16 ^h 52'	18 ^h 28'	7 ^h 31'	27 ^h 45'								
S 21	12 31 55	9 ^h 54'56"	15 ^h 27'	23 ^h 54'	7 ^h 26'	29 ^h Δ50	6 ^h 52'	25 ^h 46'	5 ^h 16'	20 ^h 19'	6 ^h 18'	16 ^h 53'	18 ^h 25'	7 ^h 37'	27 ^h 40'								
M22	12 35 52	10 ^h 53'55"	27 ^h 17'	23 ^h 47'	8 ^h 39'	29 ^h 33'	6 ^h 57'	25 ^h 54'	5 ^h 14'	20 ^h 20'	6 ^h 20'	16 ^h 55'	18 ^h 22'	7 ^h 44'	27 ^h 36'								
T 23	12 39 48	11 ^h 52'52"	9 ^h ☾13	23 ^h 34'	9 ^h 51'	29 ^h 16'	7 ^h 1'	26 ^h 1'	5 ^h 12'	20 ^h 22'	6 ^h 21'	16 ^h R56	18 ^h 19'	7 ^h 51'	27 ^h 32'								
W24	12 43 45	12 ^h 51'47"	21 ^h 20'	23 ^h 15'	11 ^h 4'	28 ^h 58'	7 ^h 5'	26 ^h 9'	5 ^h 10'	20 ^h 24'	6 ^h 22'	16 ^h 56'	18 ^h 16'	7 ^h 57'	27 ^h 27'								
T 25	12 47 42	13 ^h 50'41"	3 ^h Δ43	22 ^h 50'	12 ^h 17'	28 ^h 40'	7 ^h 9'	26 ^h 17'	5 ^h 7'	20 ^h 26'	6 ^h 24'	16 ^h 54'	18 ^h 13'	8 ^h 4'	27 ^h 23'								
F 26	12 51 38	14 ^h 49'32"	16 ^h 26'	22 ^h 20'	13 ^h 29'	28 ^h 21'	7 ^h 13'	26 ^h 24'	5 ^h 5'	20 ^h 28'	6 ^h 25'	16 ^h 51'	18 ^h 9'	8 ^h 11'	27 ^h 18'								
S 27	12 55 35	15 ^h 48'22"	29 ^h 33'	21 ^h 46'	14 ^h 42'	28 ^h 1'	7 ^h 17'	26 ^h 32'	5 ^h 3'	20 ^h 30'	6 ^h 26'	16 ^h 46'	18 ^h 6'	8 ^h 17'	27 ^h 14'								
S 28	12 59 31	16 ^h 47'10"	13 ^h ☿ 4	21 ^h 9'	15 ^h 55'	27 ^h 41'	7 ^h 20'	26 ^h 39'	5 ^h 0'	20 ^h 32'	6 ^h 28'	16 ^h 42'	18 ^h 3'	8 ^h 24'	27 ^h 9'								
M29	13 3 28	17 ^h 45'56"	26 ^h 59'	20 ^h 28'	17 ^h 7'	27 ^h 21'	7 ^h 23'	26 ^h 47'	4 ^h 58'	20 ^h 34'	6 ^h 29'	16 ^h 37'	18 ^h 0'	8 ^h 31'	27 ^h 5'								
T 30	13 7 24	18 ^h 44'41"	11 ^h Y 16	19 ^h 46'	18 ^h 20'	27 ^h 0'	7 ^h 26'	26 ^h 55'	4 ^h 56'	20 ^h 36'	6 ^h 30'	16 ^h 33'	17 ^h 57'	8 ^h 37'	27 ^h 0'								
W31	13 11 21	19 ^h Y43'23"	25 ^h Y49	19 ^h Y 3	19 ^h ☿33	26 ^h Δ38	7 ^h 29'	27 ^h Y 2	4 ^h 53'	20 ^h 38'	6 ^h 32'	16 ^h 31'	17 ^h 53'	8 ^h 44'	26 ^h Δ55								

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	3s55	8s29	4s22	1n35	0n15	17s 3	0s12	10s10	2n28	23s 9	0n16	6n58	2s17	13s 3	0n30	16n 4	1s43	21s39	13s13	17n14	17n39	22s39	11s14	0s 7
T 2	3 31	2 13	3 37	2 30	0 27	16 45	0 15	10 10	2 28	23 9	0 16	7 1	2 17	13 3	0 30	16 4	1 43	21 38	13 13	17 11	17 38	22 41	11 12	0 7
W 3	3 8	4n15	2 37	3 24	0 40	16 27	0 18	10 9	2 28	23 9	0 16	7 4	2 17	13 2	0 30	16 5	1 43	21 38	13 14	17 10	17 37	22 43	11 11	0 7
T 4	2 44	10 34	1 27	4 16	0 52	16 8	0 21	10 8	2 28	23 8	0 15	7 6	2 17	13 2	0 30	16 5	1 43	21 37	13 14	17 9	17 36	22 45	11 9	0 6
F 5	2 21	16 31	0 11	5 7	1 5	15 49	0 25	10 7	2 27	23 8	0 15	7 9	2 17	13 1	0 30	16 6	1 43	21 37	13 14	17 8	17 35	22 47	11 8	0 6
S 6	1 57	21 14	1n 5	5 56	1 17	15 30	0 28	10 6	2 27	23 8	0 15	7 12	2 17	13 1	0 30	16 6	1 43	21 36	13 14	17 8	17 34	22 49	11 6	0 6
S 7	1 33	24 49	2 17	6 44	1 30	15 10	0 31	10 4	2 27	23 8	0 15	7 15	2 16	13 0	0 30	16 7	1 43	21 36	13 14	17 9	17 33	22 51	11 5	0 5
M 8	1 10	26 50	3 20	7 28	1 42	14 49	0 34	10 2	2 26	23 7	0 15	7 17	2 16	12 59	0 30	16 7	1 43	21 35	13 14	17 9	17 33	22 53	11 3	0 5
T 9	0 46	27 6	4 11	8 11	1 54	14 28	0 37	10 0	2 26	23 7	0 15	7 20	2 16	12 59	0 30	16 7	1 43	21 35	13 14	17 9	17 32	22 55	11 2	0 5
W10	0 22	25 41	4 46	8 50	2 6	14 7	0 39	9 58	2 25	23 7	0 15	7 23	2 16	12 58	0 30	16 8	1 43	21 34	13 15	17 8	17 31	22 57	11 0	0 4
T 11	0n 1	22 45	5 5	9 27	2 17	13 46	0 42	9 56	2 25	23 7	0 15	7 25	2 16	12 58	0 30	16 8	1 43	21 34	13 15	17 6	17 30	22 59	10 58	0 4
F 12	0 25	18 36	5 6	10 0	2 27	13 24	0 45	9 53	2 24	23 7	0 15	7 28	2 16	12 57	0 30	16 9	1 43	21 34	13 15	17 4	17 29	23 1	10 57	0 3
S 13	0 49	13 36	4 51	10 31	2 37	13 1	0 48	9 50	2 23	23 6	0 15	7 31	2 16	12 56	0 30	16 9	1 43	21 33	13 15	17 2	17 28	23 3	10 55	0 3
S 14	1 12	8 4	4 20	10 57	2 46	12 39	0 50	9 47	2 23	23 6	0 15	7 34	2 16	12 56	0 30	16 10	1 43	21 33	13 15	17 0	17 27	23 5	10 53	0 3
M15	1 36	2 16	3 37	11 21	2 54	12 15	0 53	9 44	2 22	23 6	0 15	7 37	2 16	12 55	0 30	16 10	1 43	21 32	13 15	16 58	17 26	23 7	10 51	0 2
T 16	1 59	3s30	2 43	11 40	3 1	11 52	0 55	9 40	2 21	23 6	0 15	7 39	2 16	12 54	0 30	16 11	1 43	21 32	13 16	16 56	17 26	23 9	10 50	0 2
W17	2 23	9 3	1 43	11 56	3 6	11 28	0 58	9 36	2 20	23 6	0 15	7 42	2 15	12 54	0 30	16 11	1 43	21 32	13 16	16 55	17 25	23 11	10 48	0 2
T 18																								

SWISS EPHEMERIS for the year 1557

APRIL 1557 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	13 15 17	20°42'03"	10°31'	18°R19	20°45'	26°R17	7°32'	27°10'	4°R51	20°40'	6°33'	16°D30	17°50'	8°51'	26°R51		
F 2	13 19 14	21°40'42"	25°17'	17°36'	21°58'	25°55'	7°35'	27°18'	4°R48	20°42'	6°34'	16°30'	17°47'	8°57'	26°46'		
S 3	13 23 11	22°39'18"	9°58'	16°54'	23°11'	25°33'	7°37'	27°25'	4°46'	20°44'	6°35'	16°31'	17°44'	9° 4'	26°41'		
S 4	13 27 7	23°37'52"	24°31'	16°14'	24°24'	25°11'	7°39'	27°33'	4°43'	20°46'	6°36'	16°32'	17°41'	9°11'	26°37'		
M 5	13 31 4	24°36'24"	8°50'	15°36'	25°36'	24°48'	7°41'	27°41'	4°41'	20°48'	6°38'	16°33'	17°38'	9°17'	26°32'		
T 6	13 35 0	25°34'54"	22°53'	15° 2'	26°49'	24°26'	7°43'	27°48'	4°38'	20°50'	6°39'	16°R34	17°34'	9°24'	26°27'		
W 7	13 38 57	26°33'21"	6°40'	14°31'	28° 2'	24° 3'	7°45'	27°56'	4°36'	20°52'	6°40'	16°34'	17°31'	9°31'	26°23'		
T 8	13 42 53	27°31'46"	20°10'	14° 5'	29°15'	23°41'	7°46'	28° 4'	4°33'	20°54'	6°41'	16°33'	17°28'	9°37'	26°18'		
F 9	13 46 50	28°30'09"	3°19'45"	13°42'	0°19'27"	23°18'	7°47'	28°12'	4°31'	20°56'	6°42'	16°31'	17°25'	9°44'	26°13'		
S 10	13 50 46	29°28'30"	16°23'	13°25'	1°40'	22°56'	7°49'	28°19'	4°28'	20°58'	6°43'	16°28'	17°22'	9°51'	26° 9'		
S 11	13 54 43	0°26'49"	29° 8'	13°12'	2°53'	22°33'	7°49'	28°27'	4°26'	21° 0'	6°44'	16°26'	17°18'	9°57'	26° 4'		
M12	13 58 40	1°25'06"	11°40'	13° 4'	4° 6'	22°11'	7°50'	28°35'	4°23'	21° 2'	6°45'	16°24'	17°15'	10° 4'	25°59'		
T13	14 2 36	2°23'21"	24° 0'	13°D 1	5°19'	21°49'	7°51'	28°42'	4°21'	21° 5'	6°46'	16°22'	17°12'	10°10'	25°55'		
W14	14 6 33	3°21'34"	6°11'10"	13° 3'	6°31'	21°28'	7°51'	28°50'	4°18'	21° 7'	6°47'	16°21'	17° 9'	10°17'	25°50'		
T 15	14 10 29	4°19'45"	18°11'	13° 9'	7°44'	21° 6'	7°R51	28°58'	4°16'	21° 9'	6°48'	16°D21	17° 6'	10°24'	25°45'		
F 16	14 14 26	5°17'55"	0°17' 6"	13°21'	8°57'	20°45'	7°51'	29° 5'	4°13'	21°11'	6°49'	16°21'	17° 3'	10°30'	25°41'		
S 17	14 18 22	6°16'03"	11°55'	13°37'	10°10'	20°24'	7°51'	29°13'	4°11'	21°13'	6°50'	16°22'	16°59'	10°37'	25°36'		
S 18	14 22 19	7°14'09"	23°44'	13°57'	11°23'	20° 4'	7°51'	29°21'	4° 8'	21°15'	6°51'	16°23'	16°56'	10°44'	25°32'		
M19	14 26 15	8°12'15"	5°35'	14°22'	12°36'	19°44'	7°50'	29°28'	4° 5'	21°18'	6°52'	16°24'	16°53'	10°50'	25°27'		
T 20	14 30 12	9°10'18"	17°31'	14°52'	13°49'	19°25'	7°49'	29°36'	4° 3'	21°20'	6°53'	16°25'	16°50'	10°57'	25°23'		
W21	14 34 9	10° 8'20"	29°38'	15°25'	15° 1'	19° 6'	7°48'	29°44'	4° 0'	21°22'	6°54'	16°25'	16°47'	11° 4'	25°18'		
T 22	14 38 5	11° 6'21"	11°59'59"	16° 2'	16°14'	18°48'	7°47'	29°51'	3°58'	21°24'	6°55'	16°R25	16°44'	11°10'	25°14'		
F 23	14 42 2	12° 4'20"	24°39'	16°44'	17°27'	18°30'	7°46'	29°59'	3°55'	21°27'	6°56'	16°25'	16°40'	11°17'	25°10'		
S 24	14 45 58	13° 2'18"	7°42'	17°28'	18°40'	18°13'	7°44'	0° 6'	3°53'	21°29'	6°57'	16°25'	16°37'	11°24'	25° 5'		
S 25	14 49 55	14° 0'15"	21°10'	18°17'	19°53'	17°56'	7°42'	0°14'	3°50'	21°31'	6°57'	16°25'	16°34'	11°30'	25° 1'		
M26	14 53 51	14°58'10"	5°19' 5'	19° 9'	21° 6'	17°40'	7°40'	0°21'	3°48'	21°33'	6°58'	16°24'	16°31'	11°37'	24°57'		
T 27	14 57 48	15°56'04"	19°25'	20° 4'	22°19'	17°25'	7°38'	0°29'	3°45'	21°35'	6°59'	16°24'	16°28'	11°44'	24°53'		
W28	15 1 44	16°53'57"	4° 6'	21° 2'	23°32'	17°10'	7°36'	0°37'	3°43'	21°38'	7° 0'	16°D24	16°24'	11°50'	24°49'		
T 29	15 5 41	17°51'48"	19° 3'	22° 3'	24°45'	16°57'	7°34'	0°44'	3°41'	21°40'	7° 0'	16°R24	16°21'	11°57'	24°44'		
F 30	15 9 38	18°49'38"	4°11' 8"	23°19'	25°19'58"	16°44'	7°31'	0°51'	3°38'	21°42'	7° 1'	16°R24	16°18'	12° 4'	24°40'		

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂							
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
T 1	8n 6	14n30	0s33	8n48	1n44	5s 0	1s26	8s20	1n59	23s 4	0n14	8n24	2s14	12s42	0n30	16n19	1s42	21s27	13s19	16n49	17n11	23s39	10s19	0n 4
F 2	8 28	19 55	0n48	8 17	1 29	4 32	1 28	8 14	1 57	23 3	0 13	8 27	2 14	12 41	0 30	16 20	1 42	21 27	13 19	16 49	17 11	23 41	10 17	0 4
S 3	8 50	24 4	2 6	7 46	1 12	4 4	1 29	8 7	1 55	23 3	0 13	8 29	2 14	12 40	0 30	16 20	1 42	21 26	13 20	16 49	17 10	23 43	10 15	0 5
S 4	9 12	26 37	3 14	7 15	0 56	3 37	1 30	8 1	1 53	23 3	0 13	8 32	2 14	12 40	0 30	16 21	1 42	21 26	13 20	16 49	17 9	23 45	10 13	0 5
M 5	9 33	27 21	4 10	6 45	0 39	3 9	1 31	7 55	1 50	23 3	0 13	8 35	2 14	12 39	0 30	16 21	1 42	21 26	13 20	16 50	17 8	23 47	10 11	0 5
T 6	9 55	26 18	4 49	6 17	0 22	2 41	1 32	7 49	1 48	23 3	0 13	8 38	2 14	12 38	0 30	16 22	1 42	21 26	13 20	16 50	17 7	23 49	10 8	0 6
W 7	10 16	23 40	5 11	5 49	0 5	2 12	1 33	7 43	1 46	23 3	0 13	8 41	2 14	12 37	0 30	16 23	1 42	21 26	13 21	16 50	17 6	23 50	10 6	0 6
T 8	10 37	19 46	5 15	5 24	0s11	1 44	1 34	7 36	1 44	23 3	0 13	8 43	2 14	12 36	0 30	16 23	1 42	21 25	13 21	16 49	17 5	23 52	10 4	0 7
F 9	10 58	14 58	5 2	5 0	0 27	1 16	1 35	7 30	1 41	23 3	0 13	8 46	2 14	12 35	0 30	16 24	1 42	21 25	13 21	16 49	17 4	23 54	10 2	0 7
S 10	11 19	9 35	4 34	4 39	0 43	0 48	1 35	7 24	1 39	23 3	0 13	8 49	2 14	12 35	0 30	16 24	1 42	21 25	13 21	16 48	17 3	23 56	10 0	0 7
S 11	11 39	3 54	3 52	4 20	0 58	0 19	1 36	7 18	1 37	23 3	0 13	8 52	2 14	12 34	0 30	16 25	1 42	21 25	13 22	16 48	17 2	23 58	9 58	0 8
M12	12 0	1s52	3 0	4 4	1 12	0n 9	1 37	7 12	1 34	23 3	0 13	8 54	2 14	12 33	0 30	16 25	1 42	21 25	13 22	16 47	17 2	23 59	9 56	0 8
T13	12 20	7 28	2 1	3 50	1 26	0 38	1 37	7 6	1 32	23 3	0 13	8 57	2 14	12 32	0 30	16 26	1 42	21 25	13 22	16 46	17 1	24 1	9 54	0 8
W14	12 40	12 44	0 56	3 39	1 39	1 6	1 38	7 1	1 29	23 3	0 12	9 0	2 14	12 31	0 30	16 27	1 42	21 25	13 23	16 46	17 0	24 3	9 52	0 9
T 15	13 0	17 27	0s10	3 30	1 51	1 35	1 38	6 55	1 26	23 4	0 12	9 2	2 14	12 30	0 30	16 27	1 42	21 24	13 23	16 46	16 59	24 5	9 50	0 9
F 16	13 19	21 27	1 15	3 24	2 2	2 3	1 38	6 50	1 24	23 4	0 12	9 5	2 14	12 29	0 30	16 28	1 42	21 24	13 23	16 46	16 58	24 7	9 48	0 10
S 17	13 39	24 32	2 17	3 21	2 13	2 32	1 38	6 44	1 21	23 4	0 12	9 8	2 14	12 29	0 30	16 28	1 42	21 24	13 24	16 46	16 57	24 8	9 46	0 10
S 18	13 58	26 34	3 13	3 20	2 22	3 0	1 38	6 39	1 19	23 4	0 12	9 11	2 14	12 28	0 30	16 29	1 42	21 24	13 24	16 47	16 56	24 10	9 44	0 10
M19	14 17	27 23	4 1	3 22	2 31	3 29	1 38	6 34	1 16	23 4	0 12	9 13	2 14	12 27	0 30	16 30	1 42	21 24	13 24	16 47	16 55	24 12	9 42	0 11
T 20	14 35	26 57	4 38	3 26	2 39	3 57	1 38	6 29	1 13	23 4	0 12	9 16	2 14	12 26	0 30	16 30	1 42	21 24	13 24	16 47	16 54	24 14	9 40	0 11
W21	14 54	25 14	5 4	3 32	2 46	4 25	1 38	6 25	1 10	23 4	0 12	9 19	2 14	12 25	0 30	16 31	1 42	21 24	13 25	16 47	16 53	24 15	9 38	0 11
T 22	15 12	22 18	5 17	3 41	2 52	4 54	1 38	6 20	1 8	23 4	0 12	9 21	2 14	12 24	0 30	16 31	1 42	21 24	13 25	16 47	16 53	24 17	9 36	0 12
F 23	15 30	18 16	5 14	3 52	2 57	5 22	1 38	6 16	1 5	23 5	0 12	9 24	2 14	12 24	0 30	16 32								

SWISS EPHEMERIS for the year 1557

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	15 13 34	19♁47'27	19♁11	24♀14	27♀11	16♁R31	7♁R28	0♁59	3♁R36	21♁44	7♁ 2	16♁R24	16♁15	12♁10	24♁R37
S 2	15 17 31	20°45'13	4♁ 5	25°24	28°24	16♁20	7♁25	1° 6	3♁33	21°47	7° 2	16♁24	16°12	12°17	24♁33
M 3	15 21 27	21°42'59	18°42	26°37	29°37	16° 9	7°22	1°14	3°31	21°49	7° 3	16°23	16° 9	12°24	24°29
T 4	15 25 24	22°40'42	2♁58	27°52	0♁50	16° 0	7°19	1°21	3°29	21°51	7° 3	16°23	16° 5	12°30	24°25
W 5	15 29 20	23°38'24	16°50	29°10	2° 3	15°50	7°15	1°28	3°26	21°53	7° 4	16°22	16° 2	12°37	24°21
T 6	15 33 17	24°36'04	0♁19	0♁30	3°16	15°42	7°11	1°36	3°24	21°56	7° 5	16°D22	15°59	12°44	24°18
F 7	15 37 13	25°33'43	13°25	1°53	4°29	15°35	7° 7	1°43	3°22	21°58	7° 5	16°23	15°56	12°50	24°14
S 8	15 41 10	26°31'20	26°12	3°19	5°42	15°28	7° 3	1°50	3°19	22° 0	7° 6	16°23	15°53	12°57	24°11
S 9	15 45 7	27°28'55	8♁42	4°47	6°55	15°22	6°59	1°58	3°17	22° 2	7° 6	16°24	15°50	13° 4	24° 8
M10	15 49 3	28°26'29	20°59	6°17	8° 8	15°17	6°55	2° 5	3°15	22° 5	7° 7	16°25	15°46	13°10	24° 4
T 11	15 53 0	29°24'02	3♁ 5	7°50	9°21	15°13	6°50	2°12	3°13	22° 7	7° 7	16°26	15°43	13°17	24° 1
W12	15 56 56	0♁21'33	15° 4	9°25	10°34	15°10	6°46	2°19	3°11	22° 9	7° 7	16°R27	15°40	13°24	23°58
T 13	16 0 53	1°19'04	26°57	11° 3	11°47	15° 7	6°41	2°26	3° 8	22°11	7° 8	16°26	15°37	13°30	23°55
F 14	16 4 49	2°16'33	8♁47	12°43	13° 0	15° 6	6°36	2°33	3° 6	22°14	7° 8	16°25	15°34	13°37	23°52
S 15	16 8 46	3°14'01	20°36	14°25	14°13	15° 5	6°31	2°40	3° 4	22°16	7° 8	16°23	15°30	13°44	23°49
S 16	16 12 42	4°11'28	2♁26	16°10	15°26	15°D 4	6°25	2°47	3° 2	22°18	7° 9	16°21	15°27	13°50	23°46
M17	16 16 39	5° 8'55	14°20	17°57	16°39	15° 5	6°20	2°54	3° 0	22°20	7° 9	16°18	15°24	13°57	23°44
T 18	16 20 36	6° 6'20	26°20	19°46	17°52	15° 6	6°14	3° 1	2°58	22°22	7° 9	16°15	15°21	14° 4	23°41
W19	16 24 32	7° 3'45	8♁29	21°38	19° 5	15° 9	6° 9	3° 8	2°56	22°25	7°10	16°13	15°18	14°10	23°38
T 20	16 28 29	8° 1'09	20°51	23°32	20°19	15°12	6° 3	3°15	2°54	22°27	7°10	16°11	15°15	14°17	23°36
F 21	16 32 25	8°58'32	3♁29	25°29	21°32	15°15	5°57	3°22	2°52	22°29	7°10	16°D10	15°11	14°24	23°34
S 22	16 36 22	9°55'55	16°27	27°27	22°45	15°20	5°51	3°28	2°50	22°31	7°10	16°10	15° 8	14°30	23°31
S 23	16 40 18	10°53'17	29°49	29°28	23°58	15°25	5°45	3°35	2°49	22°33	7°10	16°11	15° 5	14°37	23°29
M24	16 44 15	11°50'39	13♀35	1♁30	25°11	15°31	5°38	3°42	2°47	22°36	7°10	16°12	15° 2	14°44	23°27
T 25	16 48 11	12°48'00	27°47	3°35	26°24	15°37	5°32	3°48	2°45	22°38	7°10	16°13	14°59	14°50	23°25
W26	16 52 8	13°45'20	12♁24	5°41	27°37	15°45	5°25	3°55	2°43	22°40	7°11	16°R14	14°56	14°57	23°23
T 27	16 56 5	14°42'40	27°21	7°49	28°51	15°53	5°19	4° 1	2°42	22°42	7°11	16°14	14°52	15° 4	23°22
F 28	17 0 1	15°40'00	12♁31	9°58	0♁ 4	16° 1	5°12	4° 8	2°40	22°44	7°11	16°12	14°49	15°10	23°20
S 29	17 3 58	16°37'19	27°44	12° 8	1°17	16°11	5° 5	4°14	2°38	22°46	7°R11	16° 9	14°46	15°17	23°18
S 30	17 7 54	17°34'37	12♁51	14°19	2°30	16°21	4°58	4°20	2°37	22°48	7°11	16° 5	14°43	15°24	23°17
MB1	17 11 51	18♁31'55	27♁43	16♁30	3♁44	16♁32	4♁51	4♁27	2♁35	22♁50	7♁11	16♁ 0	14♁40	15♁30	23♁16

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	17n44	25n55	2n52	6n26	3s13	9n 3	1s33	5s51	0n43	23s 6	0n11	9n44	2s15	12s17	0n30	16n37	1s42	21s24	13s28	16n47	16n44	24s33	9s20	0n15
S 2	17 59	27 21	3 55	6 53	3 11	9 29	1 33	5 49	0 41	23 7	0 11	9 47	2 15	12 16	0 30	16 37	1 42	21 24	13 28	16 47	16 43	24 34	9 18	0 15
M 3	18 14	26 50	4 41	7 21	3 9	9 56	1 32	5 47	0 38	23 7	0 11	9 49	2 15	12 15	0 29	16 38	1 42	21 24	13 29	16 47	16 43	24 36	9 16	0 16
T 4	18 29	24 33	5 9	7 50	3 7	10 23	1 31	5 46	0 35	23 7	0 11	9 52	2 15	12 15	0 29	16 38	1 42	21 24	13 29	16 47	16 42	24 38	9 14	0 16
W 5	18 44	20 52	5 17	8 21	3 4	10 49	1 30	5 45	0 33	23 8	0 10	9 54	2 15	12 14	0 29	16 39	1 42	21 25	13 29	16 46	16 41	24 39	9 13	0 16
T 6	18 58	16 11	5 8	8 52	3 0	11 15	1 28	5 44	0 30	23 8	0 10	9 57	2 15	12 13	0 29	16 40	1 42	21 25	13 30	16 46	16 40	24 41	9 11	0 17
F 7	19 12	10 53	4 43	9 25	2 55	11 41	1 27	5 43	0 28	23 8	0 10	9 59	2 15	12 12	0 29	16 40	1 42	21 25	13 30	16 47	16 39	24 42	9 9	0 17
S 8	19 26	5 15	4 4	9 59	2 50	12 6	1 26	5 43	0 25	23 9	0 10	10 2	2 15	12 12	0 29	16 41	1 42	21 25	13 31	16 47	16 38	24 44	9 8	0 17
S 9	19 39	0s29	3 14	10 33	2 45	12 31	1 25	5 43	0 22	23 9	0 10	10 4	2 15	12 11	0 29	16 41	1 42	21 25	13 31	16 47	16 37	24 46	9 6	0 18
M10	19 52	6 6	2 16	11 9	2 39	12 56	1 23	5 44	0 20	23 9	0 10	10 7	2 15	12 10	0 29	16 42	1 42	21 25	13 31	16 47	16 36	24 47	9 5	0 18
T 11	20 4	11 25	1 13	11 45	2 32	13 21	1 22	5 44	0 17	23 10	0 10	10 9	2 15	12 9	0 29	16 42	1 42	21 25	13 32	16 48	16 35	24 49	9 3	0 18
W12	20 17	16 16	0 8	12 22	2 25	13 45	1 21	5 45	0 15	23 10	0 10	10 11	2 15	12 9	0 29	16 43	1 42	21 26	13 32	16 48	16 34	24 51	9 2	0 19
T 13	20 28	20 28	0s58	13 0	2 17	14 9	1 19	5 47	0 13	23 10	0 9	10 14	2 15	12 8	0 29	16 44	1 42	21 26	13 32	16 48	16 33	24 52	9 0	0 19
F 14	20 40	23 48	2 0	13 38	2 9	14 33	1 18	5 48	0 10	23 11	0 9	10 16	2 16	12 7	0 29	16 44	1 42	21 26	13 33	16 47	16 32	24 54	8 59	0 19
S 15	20 51	26 7	2 58	14 17	2 1	14 56	1 16	5 50	0 8	23 11	0 9	10 18	2 16	12 6	0 29	16 45	1 42	21 26	13 33	16 47	16 31	24 55	8 58	0 20
S 16	21 2	27 16	3 47	14 56	1 52	15 19	1 14	5 52	0 6	23 11	0 9	10 21	2 16	12 6	0 29	16 45	1 42	21 26	13 33	16 46	16 31	24 57	8 56	0 20
M17	21 13	27 9	4 28	15 35	1 43	15 42	1 13	5 54	0 3	23 12	0 9	10 23	2 16	12 5	0 29	16 46	1 42	21 27	13 34	16 45	16 30	24 59	8 55	0 20
T 18	21 23	25 47	4 56	16 14	1 33	16 4	1 11	5 57	0 1	23 12	0 9	10 25	2 16	12 4	0 29	16 46	1 42	21 27	13 34	16 44	16 29	25 0	8 54	0 21
W19	21 33	23 12	5 12	16 53	1 23	16 26	1 9	6 0	0s 1	23 13	0 9	10 27	2 16	12 4	0 29	16 47	1 42	21 27	13 34	16 44	16 28	25 2	8 52	0 21
T 20	21 42	19 32	5 14	17 32	1 13	16 47	1 7	6 3	0 3	23 13	0 9	10 30	2 16	12 3	0 29	16 47	1 42	21 27	13 35	16 43	16 27	25 3	8 51	0 21
F 21	21 51	14 55	5 1	18 10	1 2	17 8	1 5	6 6	0 6	23 13	0 9	10 32	2 16	12 3	0 29	16 48	1 42	21 28	13 35	16 43	16 26	25 5	8 50	0 22
S 22	22 0	9 32	4 32	18 48	0 51	17 29	1 3	6 10	0 8	23 14	0 8	10 34	2 16	12 2	0 29	16 48	1 42	21 28	13 36	16 43	16 25	25 6	8 49	0 22
S 23	22 8	3 34	3 48	19 26	0 41	17 49	1 1	6 14	0 10	23 14	0 8	10 36	2 17	12 1	0 29	16 49	1 42	21 28	13 36	16 43	16 24	25 8	8 48	0 22

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	17 15 47	19II29'11	12Ω11	18II42	4II57	16Ω43	4°R44	4Ω33	2°R34	22Ω52	7°R10	15°R56	14Ω36	15Ω37	23°R15
W 2	17 19 44	20°26'27	26°13	20°54	6°10	16°55	4Ω37	4°39	2II32	22°54	7II10	15°53	14°33	15°44	23Ω13
T 3	17 23 41	21°23'42	9II47	23° 5	7°23	17° 8	4°30	4°45	2°31	22°56	7°10	15°51	14°30	15°50	23°12
F 4	17 27 37	22°20'56	22°54	25°16	8°37	17°21	4°22	4°51	2°30	22°59	7°10	15°D50	14°27	15°57	23°11
S 5	17 31 34	23°18'10	5Ω37	27°26	9°50	17°35	4°15	4°57	2°28	23° 1	7°10	15°51	14°24	16° 4	23°11
S 6	17 35 30	24°15'23	18° 1	29°36	11° 3	17°49	4° 7	5° 3	2°27	23° 2	7°10	15°52	14°21	16°10	23°10
M 7	17 39 27	25°12'35	0II10	1Ω44	12°17	18° 4	4° 0	5° 9	2°26	23° 4	7°10	15°54	14°17	16°17	23° 9
T 8	17 43 23	26° 9'46	12° 8	3°50	13°30	18°20	3°52	5°15	2°25	23° 6	7° 9	15°R55	14°14	16°24	23° 9
W 9	17 47 20	27° 6'58	24° 0	5°55	14°43	18°36	3°45	5°21	2°24	23° 8	7° 9	15°54	14°11	16°30	23° 9
T 10	17 51 16	28° 4'08	5Ω49	7°59	15°57	18°53	3°37	5°26	2°23	23°10	7° 9	15°52	14° 8	16°37	23° 8
F 11	17 55 13	29° 1'19	17°37	10° 1	17°10	19°10	3°30	5°32	2°22	23°12	7° 8	15°48	14° 5	16°44	23° 8
S 12	17 59 10	29°58'29	29°28	12° 0	18°23	19°28	3°22	5°38	2°21	23°14	7° 8	15°43	14° 2	16°50	23°D 8
S 13	18 3 6	0Ω55'39	11Ω23	13°58	19°37	19°46	3°14	5°43	2°20	23°16	7° 8	15°35	13°58	16°57	23° 8
M14	18 7 3	1°52'49	23°24	15°54	20°50	20° 5	3° 7	5°49	2°19	23°18	7° 7	15°27	13°55	17° 4	23° 8
T 15	18 10 59	2°49'59	5Ω32	17°48	22° 4	20°24	2°59	5°54	2°18	23°20	7° 7	15°18	13°52	17°10	23° 9
W16	18 14 56	3°47'09	17°49	19°40	23°17	20°44	2°51	5°59	2°17	23°22	7° 7	15°10	13°49	17°17	23° 9
T 17	18 18 52	4°44'19	0II18	21°30	24°31	21° 4	2°44	6° 4	2°16	23°23	7° 6	15° 4	13°46	17°24	23°10
F 18	18 22 49	5°41'29	12°59	23°18	25°44	21°25	2°36	6°10	2°16	23°25	7° 6	15° 0	13°42	17°30	23°10
S 19	18 26 45	6°38'40	25°57	25° 3	26°58	21°46	2°28	6°15	2°15	23°27	7° 5	14°57	13°39	17°37	23°11
S 20	18 30 42	7°35'50	9°V14	26°47	28°11	22° 7	2°21	6°20	2°14	23°29	7° 5	14°D57	13°36	17°44	23°12
M21	18 34 39	8°33'01	22°52	28°29	29°25	22°29	2°13	6°25	2°14	23°30	7° 4	14°57	13°33	17°50	23°13
T 22	18 38 35	9°30'13	6Ω53	0Ω 8	0Ω38	22°52	2° 5	6°29	2°13	23°32	7° 4	14°58	13°30	17°57	23°14
W23	18 42 32	10°27'25	21°17	1°46	1°52	23°15	1°58	6°34	2°13	23°34	7° 3	14°R58	13°27	18° 4	23°15
T 24	18 46 28	11°24'37	6II 1	3°21	3° 5	23°38	1°50	6°39	2°13	23°35	7° 2	14°56	13°23	18°10	23°16
F 25	18 50 25	12°21'50	21° 1	4°54	4°19	24° 2	1°43	6°44	2°12	23°37	7° 2	14°53	13°20	18°17	23°18
S 26	18 54 21	13°19'04	6Ω 9	6°26	5°33	24°26	1°35	6°48	2°12	23°39	7° 1	14°46	13°17	18°24	23°19
S 27	18 58 18	14°16'18	21°15	7°55	6°46	24°50	1°28	6°53	2°12	23°40	7° 1	14°38	13°14	18°30	23°21
M28	19 2 14	15°13'31	6Ω10	9°22	8° 0	25°15	1°21	6°57	2°12	23°42	7° 0	14°29	13°11	18°37	23°23
T 29	19 6 11	16°10'46	20°44	10°47	9°14	25°41	1°13	7° 1	2°11	23°43	6°59	14°20	13° 8	18°44	23°24
W30	19 10 8	17Ω 8'00	4II52	12Ω 9	10Ω27	26Ω 6	1Ω 6	7Ω 5	2II11	23Ω45	6II58	14Ω13	13Ω 4	18Ω50	23Ω26

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	23n 5	22n10	5n12	23n54	0n53	20n29	0s42	7s 0	0s27	23s18	0n 7	10n54	2s18	11s57	0n29	16n54	1s42	21s31	13s39	16n39	16n16	25s22	8s40	0n25
W 2	23 9	17 37	5 7	24 13	1 2	20 44	0 40	7 6	0 29	23 18	0 7	10 56	2 18	11 56	0 29	16 54	1 42	21 31	13 39	16 38	16 15	25 23	8 39	0 25
T 3	23 13	12 19	4 46	24 29	1 10	20 59	0 38	7 13	0 31	23 18	0 7	10 58	2 18	11 56	0 29	16 55	1 42	21 32	13 40	16 37	16 14	25 25	8 38	0 26
F 4	23 17	6 39	4 9	24 43	1 18	21 13	0 35	7 20	0 32	23 19	0 7	11 0	2 18	11 55	0 29	16 55	1 42	21 32	13 40	16 37	16 13	25 26	8 38	0 26
S 5	23 20	0 51	3 22	24 53	1 25	21 26	0 33	7 26	0 34	23 19	0 7	11 2	2 18	11 55	0 29	16 56	1 42	21 32	13 41	16 37	16 12	25 27	8 37	0 26
S 6	23 22	4s50	2 26	25 1	1 31	21 39	0 31	7 33	0 36	23 20	0 6	11 4	2 18	11 54	0 29	16 56	1 42	21 33	13 41	16 38	16 11	25 29	8 37	0 27
M 7	23 25	10 14	1 25	25 6	1 37	21 51	0 28	7 41	0 37	23 20	0 6	11 6	2 19	11 54	0 29	16 57	1 42	21 33	13 41	16 38	16 10	25 30	8 36	0 27
T 8	23 27	15 11	0 21	25 8	1 42	22 3	0 26	7 48	0 39	23 20	0 6	11 7	2 19	11 54	0 29	16 57	1 42	21 34	13 42	16 39	16 9	25 32	8 36	0 27
W 9	23 28	19 32	0s44	25 8	1 46	22 14	0 23	7 56	0 40	23 21	0 6	11 9	2 19	11 53	0 29	16 57	1 42	21 34	13 42	16 38	16 8	25 33	8 35	0 28
T 10	23 29	23 4	1 46	25 4	1 49	22 24	0 21	8 4	0 42	23 21	0 6	11 11	2 19	11 53	0 29	16 58	1 42	21 35	13 42	16 38	16 7	25 35	8 35	0 28
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S 13	23 30	27 14	4 15	24 40	1 55	22 52	0 14	8 28	0 46	23 22	0 5	11 16	2 20	11 52	0 28	16 59	1 42	21 36	13 43	16 33	16 4	25 39	8 34	0 29
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T 15	23 28	23 49	5 3	24 13	1 55	23 7	0 9	8 45	0 49	23 23	0 5	11 19	2 20	11 51	0 28	17 0	1 42	21 37	13 44	16 28	16 2	25 42	8 34	0 29
W16	23 27	20 23	5 7	23 56	1 54	23 13	0 7	8 54	0 51	23 23	0 5	11 21	2 20	11 51	0 28	17 1	1 42	21 37	13 44	16 26	16 1	25 43	8 34	0 30
T 17	23 25	16 1	4 57	23 38	1 53	23 19	0 4	9 3	0 52	23 23	0 5	11 22	2 20	11 51	0 28	17 1	1 42	21 38	13 45	16 24	16 1	25 44	8 34	0 30
F 18	23 23	10 52	4 32	23 18	1 50	23 24	0 2	9 12	0 53	23 24	0 5	11 24	2 21	11 51	0 28	17 1	1 42	21 38	13 45	16 22	16 0	25 46	8 34	0 30
S 19	23 20	5 10	3 52	22 56	1 48	23 29	0n 1	9 21	0 55	23 24	0 5	11 25	2 21	11 51	0 28	17 2	1 42	21 39	13 45	16 22	15 59	25 47	8 34	0 30
S 20	23 17	0n55	3 0	22 33	1 44	23 32	0 3	9 30	0 56	23 24	0 4	11 27	2 21	11 50	0 28	17 2	1 42	21 39	13 46	16 22	15 58	25 49	8 34	0 31
M21	23 13	7 7	1 56	22 9	1 40	23 35	0 6	9 40	0 57	23 24	0 4	11 28	2 21	11 50	0 28	17 3	1 42	21 40	13 46	16 22	15 57	25 50	8 34	0 31
T 22	23 9	13 10	0 43	21 44	1 35	23 38	0 8	9 49	0 58	23 25	0 4	11 30	2 21	11 50	0 28	17 3	1 42	21 40	13 46	16 22	15 56	25 51	8 34	0 31
W23	23 5	18 40	0n34	21 17	1 30	23 40	0 10	9 59	1 0	23 25	0 4	11 31	2 21	11 50	0 28	17 3	1 42	21 41	13 47	16 22	15 55	25 53	8 34	0 32
T 24	23 0	23 10	1 50	20 50	1 25	23 41	0 13	10 8	1 1	23 25	0 4	11 32	2 22	11 50	0 28	17 4	1 43	21 41	13 47	16 22	15 54	25 54	8 34	0 32
F 25	22 55	26 12	3 1	20 21	1 19	23 41	0 15	10 18	1 2	23 26	0 4	11 34	2 22	11 50	0 28	17 4	1 43	21 42	13 47	16 20	15 53	25 55	8 35	0 32
S 26	22 50	27 20	3 59	19 52	1 12	23 40	0 18	10 28	1 3	23 26	0 4	11 35	2 22	11 50	0 28	17 4	1 43	21 42	13 48	16 19	15 52	25 57	8 35	0 32
S 27	22 44	26 25	4 40	19 23	1 5	23 39	0 20	10 38	1 4	23 26	0 3	11 36	2 22	11 50	0 28	17 5	1 43	21 43	13 48	16 16	15 51	25 58	8 35	0 33
M28	22 38	23 38	5 1	18 52	0 57	23 38	0 22	10 49	1 5	23 26	0 3	11 37	2 23	11 50	0 28	17 5	1 43	21 43	13 48	16 13	15 50	25 59	8 36	0 33
T 29	22 31	19 23	5 2	18 22	0 49	23 35	0 24	10 59	1 7	23 26	0 3	11 39	2 23	11 50	0 28	17 5	1 43	21 44	13 48	16 11	15 49			

SWISS EPHEMERIS for the year 1557

JULY 1557 JC

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Day	Sid.t	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒
T 1	19 14 4	18°5'14"	18°31'	13°30'	11°41'	26°33'	0°R59	7°10'	2°D11	23°46'	6°R58	14°R 7	13°1'	18°57'	23°28'				
F 2	19 18 1	19° 2'28"	18°42'	14°48'	12°55'	26°59'	0°52'	7°14'	2°M11	23°48'	6°57'	14°R 4	12°58'	19° 4'	23°31'				
S 3	19 21 57	19°59'43"	14°26'	16° 4'	14° 9'	27°26'	0°45'	7°18'	2°11	23°49'	6°56'	14° 2'	12°55'	19°10'	23°33'				
S 4	19 25 54	20°56'58"	26°50'	17°17'	15°22'	27°53'	0°38'	7°21'	2°12	23°51'	6°55'	14°D 2	12°52'	19°17'	23°35'				
M 5	19 29 50	21°54'13"	8°M57	18°28'	16°36'	28°20'	0°32'	7°25'	2°12	23°52'	6°55'	14°R 3	12°48'	19°24'	23°38'				
T 6	19 33 47	22°51'28"	20°53'	19°37'	17°50'	28°48'	0°25'	7°29'	2°12	23°53'	6°54'	14° 3'	12°45'	19°30'	23°40'				
W 7	19 37 43	23°48'44"	2°A43	20°43'	19° 4'	29°16'	0°19'	7°33'	2°12	23°55'	6°53'	14° 1'	12°42'	19°37'	23°43'				
T 8	19 41 40	24°46'01"	14°31'	21°46'	20°17'	29°45'	0°12'	7°36'	2°13	23°56'	6°52'	13°57'	12°39'	19°44'	23°46'				
F 9	19 45 37	25°43'18"	26°21'	22°46'	21°31'	0°M13	0° 6'	7°40'	2°13	23°57'	6°51'	13°51'	12°36'	19°50'	23°49'				
S 10	19 49 33	26°40'35"	8°S16	23°44'	22°45'	0°43'	29°A59	7°43'	2°13	23°58'	6°50'	13°41'	12°33'	19°57'	23°51'				
S 11	19 53 30	27°37'53"	20°18'	24°38'	23°59'	1°12'	29°54'	7°46'	2°14	24° 0'	6°49'	13°30'	12°29'	20° 4'	23°55'				
M12	19 57 26	28°35'12"	2°A30	25°30'	25°13'	1°42'	29°48'	7°49'	2°14	24° 1'	6°49'	13°18'	12°26'	20°10'	23°58'				
T 13	20 1 23	29°32'31"	14°50'	26°18'	26°27'	2°12'	29°42'	7°52'	2°15	24° 2'	6°48'	13° 5'	12°23'	20°17'	24° 1'				
W14	20 5 19	0°L29'51"	27°22'	27° 3'	27°41'	2°42'	29°36'	7°55'	2°16	24° 3'	6°47'	12°53'	12°20'	20°24'	24° 4'				
T 15	20 9 16	1°27'13"	10°H 3	27°44'	28°55'	3°12'	29°31'	7°58'	2°16	24° 4'	6°46'	12°43'	12°17'	20°30'	24° 8'				
F 16	20 13 13	2°24'35"	22°57'	28°21'	0°L 9	3°43'	29°25'	8° 1'	2°17	24° 5'	6°45'	12°35'	12°14'	20°37'	24°11'				
S 17	20 17 9	3°21'58"	6°V 3	28°55'	1°23'	4°14'	29°20'	8° 4'	2°18	24° 6'	6°44'	12°31'	12°10'	20°44'	24°15'				
S 18	20 21 6	4°19'23"	19°23'	29°24'	2°37'	4°45'	29°15'	8° 6'	2°19	24° 7'	6°43'	12°28'	12° 7'	20°50'	24°19'				
M19	20 25 2	5°16'49"	2°S59	29°49'	3°51'	5°17'	29°10'	8° 9'	2°20	24° 8'	6°42'	12°28'	12° 4'	20°57'	24°23'				
T 20	20 28 59	6°14'16"	16°52'	0°M10	5° 5'	5°49'	29° 5'	8°11'	2°21	24° 9'	6°41'	12°28'	12° 1'	21° 4'	24°27'				
W21	20 32 55	7°11'44"	1°II 2	0°25'	6°19'	6°21'	29° 1'	8°13'	2°22	24°10'	6°40'	12°27'	11°58'	21°10'	24°31'				
T 22	20 36 52	8° 9'14"	15°29'	0°36'	7°33'	6°53'	28°56'	8°16'	2°23	24°11'	6°39'	12°25'	11°54'	21°17'	24°35'				
F 23	20 40 48	9° 6'45"	0°S11	0°42'	8°47'	7°26'	28°52'	8°18'	2°24	24°12'	6°37'	12°19'	11°51'	21°24'	24°39'				
S 24	20 44 45	10° 4'18"	15° 0'	0°R43	10° 1'	7°59'	28°48'	8°20'	2°25	24°13'	6°36'	12°12'	11°48'	21°31'	24°44'				
S 25	20 48 42	11° 1'52"	29°50'	0°38'	11°15'	8°32'	28°44'	8°22'	2°26	24°14'	6°35'	12° 1'	11°45'	21°37'	24°48'				
M26	20 52 38	11°59'27"	14°L33	0°28'	12°29'	9° 5'	28°40'	8°23'	2°27	24°15'	6°34'	11°50'	11°42'	21°44'	24°52'				
T 27	20 56 35	12°57'03"	29° 0'	0°13'	13°44'	9°39'	28°36'	8°25'	2°29	24°15'	6°33'	11°39'	11°39'	21°51'	24°57'				
W28	21 0 31	13°54'40"	13°M 4	29°L52	14°58'	10°13'	28°33'	8°27'	2°30	24°16'	6°32'	11°29'	11°35'	21°57'	25° 2'				
T 29	21 4 28	14°52'18"	26°43'	29°25'	16°12'	10°47'	28°29'	8°28'	2°32	24°17'	6°31'	11°21'	11°32'	22° 4'	25° 7'				
F 30	21 8 24	15°49'57"	9°A55	28°54'	17°26'	11°21'	28°26'	8°29'	2°33	24°17'	6°30'	11°16'	11°29'	22°11'	25°11'				
S 31	21 12 21	16°L47'38"	22°A41	28°L17	18°L40	11°M56	28°A23	8°S31	2°M34	24°R18	6°H28	11°S13	11°S26	22°A17	25°A16				

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat					
T 1	22n16	8n25	4n12	17n19	0n32	23n28	0n29	11s20	1s 9	23s27	0n 3	11n41	2s23	11s50	0n28	17n 6	1s43	21s45	13s49	16n 7	15n47	26s 3	8s37	0n34
F 2	22 9	2 28	3 26	16 48	0 23	23 23	0 31	11 30	1 10	23 27	0 3	11 42	2 23	11 50	0 28	17 6	1 43	21 45	13 49	16 6	15 46	26 4	8 38	0 34
S 3	22 0	3s23	2 31	16 16	0 13	23 18	0 33	11 41	1 11	23 27	0 3	11 43	2 24	11 50	0 28	17 7	1 43	21 46	13 50	16 5	15 45	26 6	8 38	0 34
S 4	21 52	8 58	1 30	15 44	0 3	23 12	0 36	11 52	1 12	23 27	0 2	11 44	2 24	11 50	0 28	17 7	1 43	21 47	13 50	16 5	15 44	26 7	8 39	0 34
M 5	21 43	14 5	0 27	15 13	0s 7	23 5	0 38	12 2	1 13	23 28	0 2	11 45	2 24	11 50	0 28	17 7	1 43	21 47	13 50	16 6	15 43	26 8	8 39	0 35
T 6	21 33	18 36	0s36	14 41	0 18	22 58	0 40	12 13	1 14	23 28	0 2	11 46	2 24	11 50	0 28	17 8	1 43	21 48	13 50	16 6	15 42	26 9	8 40	0 35
W 7	21 24	22 21	1 38	14 10	0 29	22 50	0 42	12 24	1 15	23 28	0 2	11 47	2 24	11 50	0 28	17 8	1 43	21 48	13 51	16 5	15 41	26 11	8 41	0 35
T 8	21 14	25 9	2 34	13 39	0 40	22 41	0 44	12 35	1 16	23 28	0 2	11 48	2 25	11 50	0 28	17 8	1 43	21 49	13 51	16 4	15 40	26 12	8 42	0 36
F 9	21 3	26 51	3 25	13 9	0 51	22 32	0 46	12 46	1 16	23 28	0 2	11 49	2 25	11 50	0 28	17 8	1 43	21 49	13 51	16 2	15 39	26 13	8 43	0 36
S 10	20 52	27 20	4 6	12 39	1 3	22 22	0 48	12 57	1 17	23 28	0 2	11 50	2 25	11 51	0 28	17 9	1 43	21 50	13 51	15 59	15 38	26 14	8 43	0 36
S 11	20 41	26 31	4 37	12 10	1 15	22 11	0 50	13 8	1 18	23 29	0 1	11 51	2 25	11 51	0 28	17 9	1 43	21 51	13 52	15 56	15 37	26 16	8 44	0 36
M12	20 30	24 27	4 55	11 41	1 27	22 0	0 52	13 20	1 19	23 29	0 1	11 51	2 26	11 51	0 28	17 9	1 43	21 51	13 52	15 52	15 36	26 17	8 45	0 37
T 13	20 18	21 12	5 1	11 14	1 39	21 48	0 54	13 31	1 20	23 29	0 1	11 52	2 26	11 51	0 27	17 9	1 43	21 52	13 52	15 48	15 36	26 18	8 46	0 37
W14	20 6	16 58	4 51	10 47	1 52	21 35	0 55	13 42	1 21	23 29	0 1	11 53	2 26	11 52	0 27	17 10	1 43	21 52	13 52	15 45	15 35	26 19	8 47	0 37
T 15	19 53	11 56	4 28	10 21	2 4	21 22	0 57	13 53	1 21	23 29	0 1	11 54	2 26	11 52	0 27	17 10	1 43	21 53	13 53	15 42	15 34	26 20	8 48	0 37
F 16	19 40	6 19	3 50	9 56	2 16	21 8	0 59	14 5	1 22	23 29	0 1	11 54	2 27	11 52	0 27	17 10	1 44	21 53	13 53	15 39	15 33	26 22	8 49	0 38
S 17	19 27	0 21	3 0	9 33	2 29	20 53	1 1	14 16	1 23	23 29	0 1	11 55	2 27	11 52	0 27	17 10	1 44	21 54	13 53	15 38	15 32	26 23	8 50	0 38
S 18	19 14	5n46	1 59	9 11	2 41	20 38	1 2	14 27	1 24	23 29	0 0	11 55	2 27	11 53	0 27	17 11	1 44	21 55	13 53	15 37	15 31	26 24	8 52	0 38
M19	19 0	11 45	0 50	8 51	2 54	20 22	1 4	14 39	1 24	23 29	0 0	11 56	2 27	11 53	0 27	17 11	1 44	21 55	13 54	15 37	15 30	26 25	8 53	0 38
T 20	18 46	17 17	0n23	8 33	3 6	20 6	1 5	14 50	1 25	23 30	0 0	11 57	2 28	11 53	0 27	17 11	1 44	21 56	13 54	15 37	15 29	26 26	8 54	0 39
W21	18 31	21 59	1 37	8 16	3 18	19 49	1 7	15 1	1 26	23 30	0 0	11 57	2 28	11 54	0 27	17 11	1 44	21 56	13 54	15 37	15 28	26 27	8 55	0 39
T 22	18 16	25 26	2 45	8 1	3 29	19 32	1 8	15 13	1 27	23 30	0s 0	11 58	2 28	11 54	0 27	17 11	1 44	21 57	13 54	15 36	15 27	26 28	8 57	0 39
F 23	18 1	27 13	3 44	7 49	3 41	19 14	1 10	15 24	1 27	23 30	0 0	11 58	2 28	11 55	0 27	17 11	1 44	21 58	13 54	15 34	15 26	26 30	8 58	0 39
S 24	17 46	27 5	4 28	7 38	3 51	18 55	1 11	15 35	1 28	23 30	0 0	11 58	2 28	11 55	0 27	17 12	1 44	21 58	13 55	15 32	15 25	26 31	8 59	0 40
S 25	17 30	25 1	4 54	7 31	4 1	18 36	1 12	15 47	1 29	23 30	0 1	11 59	2 29	11 55	0 27	17 12	1 44	21 59	13 55	15 29	15 24	26 32	9 1	0 40
M26	17 14	21 17	5 0	7 25	4 11	18 16	1 13	15 58	1 29	23 30	0 1	11 59	2 29	11 56	0 27	17 12	1 44	21 59	13 55	15 25	15 23	26 33	9 2	0 40
T 27	16 58	16 20	4 47	7 23	4 19	17 56	1 15	16 9	1 30	23 30	0 1	11 59	2 29	11 56	0 27	17 12	1 44	22 0	13 55	15 22	15 22	26 34	9 4	0 40
W28	16 42	10 37	4 16	7 23	4 27	17 36	1 16	16 21	1 30	23 30	0 1	12 0	2 29	11 57										

SWISS EPHEMERIS for the year 1557

AUGUST 1557 JC

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S 1	21 16 17	17 ^h 45 ^m 19 ^s	5 ^m 6	27 ^h R36	19 ^h Ω55	12 ^h ♁30	28 ^h R21	8 ^h ♁32	2 ^h ♁36	24 ^h ♁19	6 ^h R27	11 ^h R12	11 ^h ♁23	22 ^h ♁24	25 ^h ♁21
M 2	21 20 14	18 ^h 43 ^m 02 ^s	17 ^h 15	26 ^h Ω52	21 ^h 9	13 ^h 5	28 ^h ♁18	8 ^h 33	2 ^h 38	24 ^h 19	6 ^h ♁26	11 ^h ♁12	11 ^h 20	22 ^h 31	25 ^h 27
T 3	21 24 11	19 ^h 40 ^m 45 ^s	29 ^h 11	26 ^h 3	22 ^h 23	13 ^h 40	28 ^h 16	8 ^h 34	2 ^h 39	24 ^h 20	6 ^h 25	11 ^h 12	11 ^h 16	22 ^h 37	25 ^h 32
W 4	21 28 7	20 ^h 38 ^m 30 ^s	11 ^h ♁ 2	25 ^h 13	23 ^h 37	14 ^h 16	28 ^h 13	8 ^h 35	2 ^h 41	24 ^h 20	6 ^h 24	11 ^h 10	11 ^h 13	22 ^h 44	25 ^h 37
T 5	21 32 4	21 ^h 36 ^m 16 ^s	22 ^h 51	24 ^h 20	24 ^h 52	14 ^h 51	28 ^h 11	8 ^h 35	2 ^h 43	24 ^h 21	6 ^h 23	11 ^h 7	11 ^h 10	22 ^h 51	25 ^h 42
F 6	21 36 0	22 ^h 34 ^m 03 ^s	4 ^h ♁44	23 ^h 27	26 ^h 6	15 ^h 27	28 ^h 9	8 ^h 36	2 ^h 45	24 ^h 21	6 ^h 21	11 ^h 0	11 ^h 7	22 ^h 57	25 ^h 48
S 7	21 39 57	23 ^h 31 ^m 52 ^s	16 ^h 45	22 ^h 35	27 ^h 20	16 ^h 3	28 ^h 8	8 ^h 36	2 ^h 46	24 ^h 21	6 ^h 20	10 ^h 52	11 ^h 4	23 ^h 4	25 ^h 53
S 8	21 43 53	24 ^h 29 ^m 42 ^s	28 ^h 55	21 ^h 44	28 ^h 34	16 ^h 39	28 ^h 6	8 ^h 37	2 ^h 48	24 ^h 22	6 ^h 19	10 ^h 41	11 ^h 0	23 ^h 11	25 ^h 59
M 9	21 47 50	25 ^h 27 ^m 33 ^s	11 ^h ♁18	20 ^h 55	29 ^h 49	17 ^h 16	28 ^h 5	8 ^h 37	2 ^h 50	24 ^h 22	6 ^h 18	10 ^h 28	10 ^h 57	23 ^h 17	26 ^h 5
T 10	21 51 46	26 ^h 25 ^m 25 ^s	23 ^h 54	20 ^h 10	1 ^h ♁ 3	17 ^h 52	28 ^h 4	8 ^h 37	2 ^h 52	24 ^h 22	6 ^h 16	10 ^h 16	10 ^h 54	23 ^h 24	26 ^h 10
W 11	21 55 43	27 ^h 23 ^m 19 ^s	6 ^h ♁43	19 ^h 30	2 ^h 17	18 ^h 29	28 ^h 3	8 ^h R38	2 ^h 54	24 ^h 23	6 ^h 15	10 ^h 4	10 ^h 51	23 ^h 31	26 ^h 16
T 12	21 59 40	28 ^h 21 ^m 15 ^s	19 ^h 44	18 ^h 55	3 ^h 32	19 ^h 6	28 ^h 2	8 ^h 37	2 ^h 56	24 ^h 23	6 ^h 14	9 ^h 54	10 ^h 48	23 ^h 37	26 ^h 22
F 13	22 3 36	29 ^h 19 ^m 12 ^s	2 ^h ♀57	18 ^h 26	4 ^h 46	19 ^h 43	28 ^h 2	8 ^h 37	2 ^h 58	24 ^h 23	6 ^h 13	9 ^h 47	10 ^h 45	23 ^h 44	26 ^h 28
S 14	22 7 33	0 ^h ♁17 ^m 11 ^s	16 ^h 21	18 ^h 5	6 ^h 1	20 ^h 20	28 ^h 1	8 ^h 37	3 ^h 0	24 ^h 23	6 ^h 11	9 ^h 42	10 ^h 41	23 ^h 51	26 ^h 34
S 15	22 11 29	1 ^h 15 ^m 12 ^s	29 ^h 54	17 ^h 51	7 ^h 15	20 ^h 57	28 ^h D 1	8 ^h 37	3 ^h 3	24 ^h 23	6 ^h 10	9 ^h 40	10 ^h 38	23 ^h 57	26 ^h 40
M 16	22 15 26	2 ^h 13 ^m 15 ^s	13 ^h ♁38	17 ^h D45	8 ^h 29	21 ^h 35	28 ^h 1	8 ^h 36	3 ^h 5	24 ^h 23	6 ^h 9	9 ^h D40	10 ^h 35	24 ^h 4	26 ^h 46
T 17	22 19 22	3 ^h 11 ^m 20 ^s	27 ^h 33	17 ^h 48	9 ^h 44	22 ^h 13	28 ^h 1	8 ^h 36	3 ^h 7	24 ^h 24	6 ^h 8	9 ^h R40	10 ^h 32	24 ^h 11	26 ^h 53
W 18	22 23 19	4 ^h 9 ^m 27 ^s	11 ^h ♁37	17 ^h 59	10 ^h 58	22 ^h 50	28 ^h 2	8 ^h 35	3 ^h 10	24 ^h R24	6 ^h 6	9 ^h 40	10 ^h 29	24 ^h 17	26 ^h 59
T 19	22 27 15	5 ^h 7 ^m 37 ^s	25 ^h 51	18 ^h 19	12 ^h 13	23 ^h 29	28 ^h 3	8 ^h 34	3 ^h 12	24 ^h 24	6 ^h 5	9 ^h 38	10 ^h 25	24 ^h 24	27 ^h 5
F 20	22 31 12	6 ^h 5 ^m 48 ^s	10 ^h ♁13	18 ^h 47	13 ^h 27	24 ^h 7	28 ^h 3	8 ^h 34	3 ^h 14	24 ^h 24	6 ^h 4	9 ^h 34	10 ^h 22	24 ^h 31	27 ^h 12
S 21	22 35 9	7 ^h 4 ^m 01 ^s	24 ^h 38	19 ^h 24	14 ^h 42	24 ^h 45	28 ^h 4	8 ^h 33	3 ^h 17	24 ^h 23	6 ^h 3	9 ^h 28	10 ^h 19	24 ^h 38	27 ^h 18
S 22	22 39 5	8 ^h 2 ^m 16 ^s	9 ^h Ω 4	20 ^h 9	15 ^h 56	25 ^h 24	28 ^h 5	8 ^h 32	3 ^h 19	24 ^h 23	6 ^h 1	9 ^h 20	10 ^h 16	24 ^h 44	27 ^h 25
M 23	22 43 2	9 ^h 0 ^m 33 ^s	23 ^h 23	21 ^h 1	17 ^h 11	26 ^h 2	28 ^h 7	8 ^h 30	3 ^h 22	24 ^h 23	6 ^h 0	9 ^h 10	10 ^h 13	24 ^h 51	27 ^h 32
T 24	22 46 58	9 ^h 58 ^m 52 ^s	7 ^h ♁29	22 ^h 2	18 ^h 25	26 ^h 41	28 ^h 8	8 ^h 29	3 ^h 24	24 ^h 23	5 ^h 59	9 ^h 0	10 ^h 10	24 ^h 58	27 ^h 38
W 25	22 50 55	10 ^h 57 ^m 13 ^s	21 ^h 19	23 ^h 9	19 ^h 40	27 ^h 20	28 ^h 10	8 ^h 28	3 ^h 27	24 ^h 23	5 ^h 58	8 ^h 52	10 ^h 6	25 ^h 4	27 ^h 45
T 26	22 54 51	11 ^h 55 ^m 35 ^s	4 ^h ♁47	24 ^h 22	20 ^h 54	28 ^h 0	28 ^h 12	8 ^h 26	3 ^h 30	24 ^h 23	5 ^h 56	8 ^h 45	10 ^h 3	25 ^h 11	27 ^h 52
F 27	22 58 48	12 ^h 53 ^m 59 ^s	17 ^h 53	25 ^h 42	22 ^h 9	28 ^h 39	28 ^h 14	8 ^h 25	3 ^h 32	24 ^h 22	5 ^h 55	8 ^h 41	10 ^h 0	25 ^h 18	27 ^h 59
S 28	23 2 44	13 ^h 52 ^m 25 ^s	0 ^h ♁37	27 ^h 7	23 ^h 23	29 ^h 18	28 ^h 16	8 ^h 23	3 ^h 35	24 ^h 22	5 ^h 54	8 ^h 39	9 ^h 57	25 ^h 24	28 ^h 6
S 29	23 6 41	14 ^h 50 ^m 53 ^s	13 ^h 2	28 ^h 37	24 ^h 38	29 ^h 58	28 ^h 19	8 ^h 21	3 ^h 38	24 ^h 22	5 ^h 53	8 ^h D38	9 ^h 54	25 ^h 31	28 ^h 13
M 30	23 10 37	15 ^h 49 ^m 22 ^s	25 ^h 11	0 ^h ♁11	25 ^h 52	0 ^h ♁38	28 ^h 22	8 ^h 19	3 ^h 40	24 ^h 21	5 ^h 51	8 ^h 39	9 ^h 51	25 ^h 38	28 ^h 20
T 31	23 14 34	16 ^h 47 ^m 53 ^s	7 ^h ♁ 8	1 ^h ♁48	27 ^h 7	1 ^h ♁18	28 ^h ♁24	8 ^h 17	3 ^h 43	24 ^h 21	5 ^h ♁50	8 ^h ♁40	9 ^h ♁47	25 ^h ♁44	28 ^h ♁27

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	15n33	12s45	0n32	7n53	4s44	16n 8	1n20	17s 6	1s33	23s31	0s 1	12n 0	2s30	11s59	0n27	17n13	1s44	22s 3	13s56	15n14	15n17	26s39	9s11	0n41
M 2	15 15 17	32 0s32	8 8	4 44	15 45	1 20	17 17	1 33	23 31	0 2	12 0	2 31	12 0	0 27	17 13	1 44	22 3	13 56	15 14	15 16	26 40	9 13	0 42	
T 3	14 57 21	33 1 34	8 26	4 43	15 22	1 21	17 28	1 34	23 31	0 2	12 1	2 31	12 0	0 27	17 13	1 44	22 4	13 56	15 13	15 15	26 41	9 15	0 42	
W 4	14 39 24	39 2 31	8 46	4 39	14 58	1 22	17 39	1 34	23 31	0 2	12 1	2 31	12 1	0 27	17 13	1 45	22 5	13 56	15 13	15 14	26 43	9 16	0 42	
T 5	14 20 26	40 3 22	9 8	4 34	14 34	1 22	17 51	1 35	23 31	0 2	12 1	2 31	12 1	0 27	17 13	1 45	22 5	13 56	15 12	15 13	26 44	9 18	0 42	
F 6	14 2 27	28 4 3	9 32	4 27	14 9	1 23	18 2	1 35	23 31	0 2	12 1	2 32	12 2	0 27	17 13	1 45	22 6	13 57	15 10	15 12	26 45	9 20	0 43	
S 7	13 43 27	0 4 35	9 57	4 18	13 44	1 23	18 12	1 36	23 31	0 2	12 0	2 32	12 3	0 27	17 13	1 45	22 6	13 57	15 7	15 11	26 46	9 22	0 43	
S 8	13 23 25	14 4 55	10 24	4 7	13 19	1 24	18 23	1 36	23 31	0 2	12 0	2 32	12 3	0 27	17 13	1 45	22 7	13 57	15 4	15 10	26 47	9 23	0 43	
M 9	13 4 22	15 5 1	10 51	3 55	12 53	1 24	18 34	1 37	23 32	0 2	12 0	2 32	12 4	0 27	17 13	1 45	22 7	13 57	15 0	15 9	26 48	9 25	0 43	
T 10	12 44 18	11 4 53	11 18	3 41	12 27	1 25	18 45	1 37	23 32	0 3	12 0	2 33	12 5	0 27	17 13	1 45	22 8	13 57	14 56	15 8	26 49	9 27	0 44	
W 11	12 25 13	14 4 30	11 45	3 26	12 0	1 25	18 56	1 37	23 32	0 3	12 0	2 33	12 6	0 27	17 13	1 45	22 9	13 57	14 52	15 7	26 50	9 29	0 44	
T 12	12 5 7	38 3 52	12 11	3 9	11 33	1 25	19 6	1 38	23 32	0 3	12 0	2 33	12 6	0 27	17 13	1 45	22 9	13 57	14 49	15 6	26 51	9 31	0 44	
F 13	11 44 1 36	3 2 12	37 2 52	11 6	1 25	19 17	1 38	23 32	0 3	11 59	2 33	12 7	0 27	17 13	1 45	22 10	13 57	14 47	15 5	26 52	9 33	0 44		
S 14	11 24 4n35	2 1 13	0 2 34	10 39	1 25	19 27	1 39	23 32	0 3	11 59	2 34	12 8	0 26	17 13	1 45	22 10	13 57	14 45	15 4	26 53	9 35	0 45		
S 15	11 3 10	40 0 52	13 22	2 16	10 11	1 25	19 38	1 39	23 32	0 3	11 59	2 34	12 9	0 26	17 13	1 45	22 11	13 57	14 45	15 3	26 54	9 37	0 45	
M 16	10 43 16	19 0n21	13 42	1 57	9 43	1 25	19 48	1 39	23 32	0 3	11 58	2 34	12 9	0 26	17 13	1 45	22 11	13 57	14 45	15 2	26 54	9 39	0	

SWISS EPHEMERIS for the year 1557

SEPTEMBER 1557 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
W 1	23 18 31	17 ^m 46'26	19 ^h 0	3 ^m 29	28 ^m 21	1 ^h 58	28 ^h 28	8°R15	3 ^m 46	24°R20	5°R49	8°R41	9 ^h 44	25 ^h 51	28 ^h 34
T 2	23 22 27	18°45'00	0 ^h 35	5°12	29°36	2°38	28°31	8 ^h 13	3°49	24 ^h 20	5 ^h 48	8 ^h 40	9°41	25°58	28°41
F 3	23 26 24	19°43'36	12°46	6°58	0 ^h 50	3°18	28°34	8°11	3°52	24°20	5°47	8°37	9°38	26° 4	28°49
S 4	23 30 20	20°42'14	24°49	8°45	2° 5	3°59	28°38	8° 8	3°55	24°19	5°45	8°32	9°35	26°11	28°56
S 5	23 34 17	21°40'54	7 ^h 5	10°34	3°19	4°39	28°41	8° 6	3°58	24°18	5°44	8°26	9°31	26°18	29° 3
M 6	23 38 13	22°39'35	19°37	12°23	4°34	5°20	28°45	8° 3	4° 1	24°18	5°43	8°18	9°28	26°25	29°11
T 7	23 42 10	23°38'18	2 ^h 25	14°13	5°48	6° 1	28°50	8° 0	4° 4	24°17	5°42	8°10	9°25	26°31	29°18
W 8	23 46 6	24°37'03	15°31	16° 3	7° 3	6°42	28°54	7°58	4° 7	24°17	5°41	8° 2	9°22	26°38	29°26
T 9	23 50 3	25°35'50	28°53	17°54	8°17	7°23	28°58	7°55	4°10	24°16	5°39	7°56	9°19	26°45	29°33
F 10	23 54 0	26°34'39	12 ^h 30	19°44	9°32	8° 4	29° 3	7°52	4°13	24°15	5°38	7°52	9°16	26°51	29°41
S 11	23 57 56	27°33'30	26°18	21°34	10°47	8°46	29° 8	7°49	4°16	24°14	5°37	7°49	9°12	26°58	29°48
S 12	0 1 53	28°32'23	10 ^h 16	23°24	12° 1	9°27	29°13	7°46	4°20	24°14	5°36	7°D49	9° 9	27° 5	29°56
M13	0 5 49	29°31'19	24°20	25°13	13°16	10° 9	29°18	7°43	4°23	24°13	5°35	7°50	9° 6	27°11	0 ^m 4
T 14	0 9 46	0 ^h 30'17	8 ^h 28	27° 2	14°30	10°50	29°23	7°39	4°26	24°12	5°34	7°51	9° 3	27°18	0°12
W15	0 13 42	1°29'17	22°38	28°50	15°45	11°32	29°29	7°36	4°29	24°11	5°33	7°52	9° 0	27°25	0°19
T 16	0 17 39	2°28'20	6 ^h 48	0 ^h 38	16°59	12°14	29°34	7°32	4°33	24°10	5°32	7°R52	8°57	27°31	0°27
F 17	0 21 35	3°27'25	20°57	2°24	18°14	12°56	29°40	7°29	4°36	24° 9	5°30	7°51	8°53	27°38	0°35
S 18	0 25 32	4°26'32	5 ^h 0	4°10	19°28	13°38	29°46	7°25	4°39	24° 8	5°29	7°48	8°50	27°45	0°43
S 19	0 29 29	5°25'42	19° 2	5°55	20°43	14°20	29°52	7°22	4°43	24° 7	5°28	7°44	8°47	27°51	0°51
M20	0 33 25	6°24'54	2 ^h 53	7°40	21°58	15° 3	29°58	7°18	4°46	24° 6	5°27	7°40	8°44	27°58	0°59
T 21	0 37 22	7°24'08	16°33	9°23	23°12	15°45	0 ^h 5	7°14	4°50	24° 5	5°26	7°35	8°41	28° 5	1° 7
W22	0 41 18	8°23'24	29°58	11° 6	24°27	16°28	0°11	7°10	4°53	24° 4	5°25	7°30	8°37	28°12	1°15
T 23	0 45 15	9°22'42	13 ^h 8	12°48	25°41	17°10	0°18	7° 6	4°56	24° 3	5°24	7°27	8°34	28°18	1°23
F 24	0 49 11	10°22'03	26° 0	14°29	26°56	17°53	0°25	7° 2	5° 0	24° 2	5°23	7°25	8°31	28°25	1°31
S 25	0 53 8	11°21'25	8 ^h 35	16°10	28°10	18°36	0°32	6°58	5° 3	24° 1	5°22	7°D25	8°28	28°32	1°39
S 26	0 57 4	12°20'50	20°55	17°50	29°25	19°19	0°39	6°54	5° 7	24° 0	5°21	7°25	8°25	28°38	1°47
M27	1 1 1	13°20'16	3 ^h 2	19°29	0 ^m 40	20° 2	0°46	6°50	5°10	23°59	5°20	7°27	8°22	28°45	1°55
T 28	1 4 58	14°19'44	15° 0	21° 7	1°54	20°45	0°54	6°46	5°14	23°57	5°19	7°28	8°18	28°52	2° 4
W29	1 8 54	15°19'14	26°51	22°45	3° 9	21°29	1° 2	6°41	5°18	23°56	5°18	7°30	8°15	28°58	2°12
T 30	1 12 51	16°18'46	8 ^h 42	24°22	4 ^m 23	22°12	1 ^h 9	6°37	5 ^m 21	23°55	5°18	7°31	8°12	29° 5	2 ^m 20

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
W 1	4n51	26s22	3s20	11n45	1n36	1n48	1n15	22s17	1s43	23s35	0s 5	11n48	2s38	12s24	0n26	17n11	1s46	22s19	13s58	14n26	14n46	27s 9	10s14	0n49
T 2	4 28	27 33	4 4	11 11	1 41	1 17	1 14	22 26	1 43	23 35	0 5	11 47	2 38	12 25	0 26	17 11	1 46	22 19	13 58	14 25	14 45	27 10	10 16	0 49
F 3	4 5	27 29	4 37	10 36	1 45	0 47	1 13	22 34	1 43	23 35	0 5	11 46	2 38	12 26	0 26	17 11	1 46	22 20	13 57	14 25	14 44	27 10	10 19	0 49
S 4	3 42	26 7	4 59	9 58	1 48	0 16	1 11	22 42	1 44	23 35	0 5	11 45	2 38	12 27	0 26	17 11	1 46	22 20	13 57	14 23	14 43	27 11	10 21	0 49
S 5	3 18	23 30	5 8	9 19	1 49	0s15	1 10	22 49	1 44	23 35	0 6	11 44	2 39	12 28	0 26	17 11	1 46	22 21	13 57	14 21	14 42	27 12	10 23	0 50
M 6	2 55	19 45	5 2	8 38	1 51	0 46	1 9	22 57	1 44	23 35	0 6	11 43	2 39	12 29	0 26	17 10	1 46	22 21	13 57	14 18	14 41	27 13	10 26	0 50
T 7	2 32	15 0	4 41	7 56	1 51	1 17	1 7	23 4	1 44	23 35	0 6	11 42	2 39	12 30	0 26	17 10	1 46	22 22	13 57	14 16	14 40	27 14	10 28	0 50
W 8	2 9	9 29	4 5	7 13	1 50	1 48	1 6	23 11	1 44	23 36	0 6	11 41	2 39	12 31	0 26	17 10	1 46	22 22	13 57	14 13	14 39	27 14	10 31	0 50
T 9	1 45	3 25	3 15	6 28	1 49	2 19	1 4	23 18	1 44	23 36	0 6	11 40	2 39	12 32	0 26	17 10	1 47	22 22	13 57	14 11	14 38	27 15	10 33	0 51
F 10	1 22	2n55	2 13	5 43	1 48	2 50	1 3	23 25	1 44	23 36	0 6	11 39	2 40	12 33	0 26	17 10	1 47	22 23	13 57	14 10	14 37	27 16	10 36	0 51
S 11	0 58	9 13	1 2	4 58	1 45	3 21	1 1	23 32	1 44	23 36	0 6	11 38	2 40	12 34	0 26	17 9	1 47	22 23	13 57	14 9	14 36	27 17	10 38	0 51
S 12	0 35	15 9	0n13	4 12	1 43	3 51	0 59	23 38	1 44	23 36	0 6	11 37	2 40	12 35	0 26	17 9	1 47	22 23	13 57	14 9	14 35	27 17	10 41	0 51
M13	0 11	20 20	1 29	3 25	1 39	4 22	0 57	23 45	1 44	23 36	0 6	11 35	2 40	12 36	0 26	17 9	1 47	22 24	13 57	14 9	14 34	27 18	10 43	0 52
T 14	0s12	24 23	2 39	2 39	1 36	4 53	0 56	23 51	1 44	23 36	0 6	11 34	2 40	12 38	0 26	17 9	1 47	22 24	13 57	14 10	14 33	27 19	10 45	0 52
W15	0 36	26 57	3 40	1 52	1 31	5 23	0 54	23 57	1 44	23 36	0 7	11 33	2 40	12 39	0 26	17 8	1 47	22 24	13 56	14 10	14 32	27 20	10 48	0 52
T 16	0 59	27 46	4 27	1 5	1 27	5 54	0 52	24 2	1 44	23 37	0 7	11 32	2 41	12 40	0 26	17 8	1 47	22 25	13 56	14 10	14 31	27 20	10 51	0 52
F 17	1 23	26 46	4 58	0 18	1 22	6 24	0 50	24 8	1 44	23 37	0 7	11 30	2 41	12 41	0 26	17 8	1 47	22 25	13 56	14 10	14 30	27 21	10 53	0 53
S 18	1 46	24 5	5 11	0s29	1 17	6 54	0 48	24 13	1 44	23 37	0 7	11 29	2 41	12 42	0 26	17 8	1 47	22 25	13 56	14 9	14 29	27 22	10 56	0 53
S 19	2 10	19 59	5 6	1 16	1 12	7 24	0 46	24 18	1 44	23 37	0 7	11 28	2 41	12 43	0 26	17 7	1 47	22 25	13 56	14 8	14 28	27 22	10 58	0 53
M20	2 33	14 51	4 42	2 2	1 6	7 54	0 44	24 23	1 44	23 37	0 7	11 27	2 41	12 44	0 26	17 7	1 47	22 26	13 56	14 6	14 27	27 23	11 1	0 53
T 21	2 57	9 3	4 3	2 48	1 0	8 24	0 42	24 28	1 44	23 37	0 7	11 25	2 41	12 46	0 26	17 7	1 47	22 26	13 56	14 4	14 26	27 24	11 3	0 54
W22	3 20	2 56	3 11	3 34	0 4	8 53	0 39	24 32	1 44	23 37	0 7	11 24	2 41	12 47	0 26	17 6	1 47	22 26	13 56	14 3	14 25	27 24	11 6	0 54
T 23	3 44	3s13	2 9	4 20	0 48	9 23	0 37	24 36	1 44	23 37	0 7	11 22	2 42	12 48	0 26	17 6	1 47	22 27	13 55	14 2	14 24	27 25	11 8	0 54
F 24	4 7	9 6	1 2	5 5	0 42	9 52	0 35	24 40	1 44	23 37	0 7	11 21	2 42	12 49	0 26	17 6	1 47	22 27	13 55	14 1	14 23	27 26	11 11	0 54
S 25	4 30	14 30	0s 6	5 50	0 35	10 21	0 33	24 44	1 44	23 37	0 8	11 20	2 42	12 50	0 26	17 5	1 47	22 27	13 55	14 1	14 22	27 26	11 13	0 55
S 26	4 53	19 13	1 14	6 34	0 29	10 49	0 30	24 47	1 44	23 37	0 8	11 18	2 42	12 52	0 26	17 5	1 47	22 27	13 55	14 1	14 21	27 27	11 16	0 55
M27	5 17	23 3	2 16	7 18	0 22	11 18	0 28	24 51	1 44	23 37	0 8	11 17	2 42	12 53	0 26	17 5	1 47	22 27	13 55	14 2	14 20	27 28	11 19	0 55
T 28	5 40	25 50	3 12	8 1	0 15	11 46	0 26	24 54	1 43	23 38	0 8	11 15	2 42	12 54	0 25	17 5	1 47	22 28	13 55	14 2	14 19	27 28	11 21	0 55
W29	6 3	27 27	4 0	8 44	0 9	12 14	0 23	24 57	1 43	23 38	0 8	11 14	2 42											

SWISS EPHEMERIS for the year 1557

OCTOBER 1557 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	1 16 47	17♌18'20	20♌36	25♌58	5♌38	22♌55	1♌17	6°R32	5♌25	23°R54	5°R17	7°R31	8♌9	29♌12	2♌28	
S 2	1 20 44	18°17'56	2♌40	27°33	6°52	23°39	1°25	6♌28	5°28	23♌52	5♌16	7♌30	8°6	29°18	2°37	
S 3	1 24 40	19°17'33	14°56	29°8	8°7	24°23	1°34	6°23	5°32	23°51	5°15	7°29	8°2	29°25	2°45	
M 4	1 28 37	20°17'12	27°30	0♌43	9°22	25°6	1°42	6°19	5°36	23°50	5°14	7°27	7°59	29°32	2°53	
T 5	1 32 33	21°16'53	10♌24	2°17	10°36	25°50	1°50	6°14	5°39	23°48	5°13	7°24	7°56	29°39	3°2	
W 6	1 36 30	22°16'35	23°39	3°50	11°51	26°34	1°59	6°10	5°43	23°47	5°13	7°22	7°53	29°45	3°10	
T 7	1 40 27	23°16'19	7♌16	5°22	13°5	27°18	2°8	6°5	5°47	23°46	5°12	7°20	7°50	29°52	3°18	
F 8	1 44 23	24°16'06	21°14	6°54	14°20	28°2	2°16	6°0	5°50	23°44	5°11	7°19	7°47	29°59	3°27	
S 9	1 48 20	25°15'54	5♌28	8°26	15°34	28°46	2°25	5°56	5°54	23°43	5°10	7°D19	7°43	0♌5	3°35	
S 10	1 52 16	26°15'44	19°53	9°57	16°49	29°30	2°34	5°51	5°58	23°41	5°10	7°19	7°40	0°12	3°43	
M11	1 56 13	27°15'37	4♌25	11°27	18°3	0♌14	2°44	5°46	6°1	23°40	5°9	7°20	7°37	0°19	3°52	
T 12	2 0 9	28°15'32	18°57	12°57	19°18	0°59	2°53	5°41	6°5	23°38	5°8	7°20	7°34	0°25	4°0	
W13	2 4 6	29°15'29	3♌25	14°27	20°32	1°43	3°2	5°37	6°9	23°37	5°8	7°21	7°31	0°32	4°9	
T 14	2 8 2	0♌15'28	17°45	15°55	21°47	2°28	3°12	5°32	6°13	23°35	5°7	7°22	7°28	0°39	4°17	
F 15	2 11 59	1°15'29	1♌54	17°24	23°1	3°12	3°22	5°27	6°16	23°34	5°6	7°R22	7°24	0°45	4°25	
S 16	2 15 56	2°15'33	15°49	18°51	24°16	3°57	3°32	5°22	6°20	23°32	5°6	7°22	7°21	0°52	4°34	
S 17	2 19 52	3°15'39	29°31	20°18	25°30	4°41	3°41	5°17	6°24	23°31	5°5	7°21	7°18	0°59	4°42	
M18	2 23 49	4°15'47	12♌19	21°45	26°45	5°26	3°51	5°12	6°28	23°29	5°5	7°21	7°15	1°6	4°51	
T 19	2 27 45	5°15'56	26°13	23°11	27°59	6°11	4°2	5°7	6°31	23°28	5°4	7°20	7°12	1°12	4°59	
W20	2 31 42	6°16'08	9♌13	24°36	29°14	6°56	4°12	5°3	6°35	23°26	5°4	7°20	7°8	1°19	5°7	
T 21	2 35 38	7°16'22	22°0	26°0	0♌28	7°41	4°22	4°58	6°39	23°24	5°3	7°D20	7°5	1°26	5°16	
F 22	2 39 35	8°16'38	4♌34	27°24	1°43	8°26	4°33	4°53	6°43	23°23	5°3	7°R20	7°2	1°32	5°24	
S 23	2 43 31	9°16'55	16°56	28°47	2°57	9°11	4°43	4°48	6°46	23°21	5°2	7°20	6°59	1°39	5°33	
S 24	2 47 28	10°17'15	29°7	0♌9	4°11	9°56	4°54	4°43	6°50	23°19	5°2	7°20	6°56	1°46	5°41	
M25	2 51 25	11°17'36	11♌9	1°29	5°26	10°41	5°5	4°38	6°54	23°18	5°2	7°20	6°53	1°52	5°49	
T 26	2 55 21	12°17'59	23°4	2°49	6°40	11°27	5°16	4°34	6°58	23°16	5°1	7°19	6°49	1°59	5°58	
W27	2 59 18	13°18'23	4♌54	4°8	7°55	12°12	5°27	4°29	7°1	23°15	5°1	7°18	6°46	2°6	6°6	
T 28	3 3 14	14°18'49	16°44	5°25	9°9	12°57	5°38	4°24	7°5	23°13	5°1	7°17	6°43	2°13	6°15	
F 29	3 7 11	15°19'16	28°38	6°41	10°24	13°43	5°49	4°19	7°9	23°11	5°0	7°17	6°40	2°19	6°23	
S 30	3 11 7	16°19'44	10♌38	7°55	11°38	14°28	6°0	4°15	7°13	23°9	5°0	7°D16	6°37	2°26	6°31	
S 31	3 15 4	17♌20'14	22♌51	9♌7	12♌52	15♌14	6♌12	4♌10	7♌16	23♌8	5♌0	7♌16	6♌34	2♌33	6♌40	

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	decl	lat	lat	decl	lat	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
F 1	6s49	26s53	5s 2	10s 8	0s 5	13s 9	0n18	25s 1	1s43	23s38	0s 8	11n11	2s42	12s58	0n25	17n 3	1s47	22s28	13s54	14n 3	14n15	27s30	11s29	0n56
S 2	7 12 24	43 5	13 10	49 0	12 13	36 0	16 25	3 1	43 23	38 0	8 11	9 2	42 12	59 0	25 17	3 1	47 22	28 13	54 14	3 14	14 27	31 11	32 0	56
S 3	7 34 21	22 5	14 11	29 0	19 14	2 0	13 25	5 1	43 23	38 0	8 11	8 2	42 13	0 0	25 17	3 1	47 22	28 13	54 14	2 14	13 27	31 11	34 0	57
M 4	7 57 17	0 4	56 12	9 0	26 14	29 0	11 25	7 1	43 23	38 0	8 11	6 2	43 13	1 0	25 17	2 1	48 22	28 13	53 14	2 14	12 27	32 11	37 0	57
T 5	8 19 11	46 4	25 12	48 0	32 14	54 0	8 25	8 1	43 23	38 0	8 11	5 2	43 13	2 0	25 17	2 1	48 22	29 13	53 14	1 14	11 27	32 11	39 0	57
W 6	8 42 5	52 3	39 13	26 0	39 15	20 0	6 25	9 1	43 23	38 0	9 11	3 2	43 13	4 0	25 17	2 1	48 22	29 13	53 14	0 14	10 27	33 11	42 0	57
T 7	9 4 0n28	2 39	14 4	0 46	15 45	0 3	25 10	1	42 23	37 0	9 11	1 2	43 13	5 0	25 17	1 1	48 22	29 13	53 14	0 14	9 27	34 11	45 0	58
F 8	9 26 6	57 1	28 14	41 0	53 16	10 0	1 25	11 1	42 23	37 0	9 11	0 2	43 13	6 0	25 17	1 1	48 22	29 13	52 13	59 14	8 27	34 11	47 0	58
S 9	9 48 13	13 0	10 15	17 0	59 16	34 0s	2 25	11 1	41 23	37 0	9 10	58 2	43 13	7 0	25 17	1 1	48 22	29 13	52 13	59 14	7 27	35 11	50 0	58
S 10	10 10 18	52 1n	9 15	52 1	6 16	58 0	5 25	11 1	41 23	37 0	9 10	57 2	43 13	9 0	25 17	0 1	48 22	29 13	52 13	59 14	6 27	35 11	52 0	59
M11	10 31 23	27 2	25 16	27 1	12 17	22 0	7 25	11 1	41 23	37 0	9 10	55 2	43 13	10 0	25 17	0 1	48 22	29 13	52 13	59 14	5 27	36 11	55 0	59
T 12	10 53 26	32 3	31 17	1 1	18 17	45 0	10 25	10 1	41 23	37 0	9 10	53 2	43 13	11 0	25 16	59 1	48 22	29 13	52 14	0 14	4 27	36 11	57 0	59
W13	11 14 27	50 4	23 17	33 1	25 18	8 0	13 25	10 1	40 23	37 0	9 10	52 2	43 13	12 0	25 16	59 1	48 22	29 13	51 14	0 14	3 27	37 12	0 59	
T 14	11 35 27	15 4	59 18	5 1	31 18	30 0	15 25	9 1	40 23	37 0	9 10	50 2	43 13	14 0	25 16	59 1	48 22	29 13	51 14	0 14	2 27	37 12	3 1	0
F 15	11 56 24	55 5	16 18	36 1	36 18	52 0	18 25	7 1	40 23	37 0	9 10	49 2	43 13	15 0	25 16	58 1	48 22	29 13	51 14	0 14	1 27	38 12	5 1	0
S 16	12 17 21	7 5	14 19	7 1	42 19	13 0	20 25	6 1	39 23	36 0	9 10	47 2	43 13	16 0	25 16	58 1	48 22	29 13	51 14	0 14	0 27	38 12	8 1	0
S 17	12 38 16	15 4	54 19	36 1	48 19	33 0	23 25	4 1	39 23	36 0	9 10	46 2	43 13	17 0	25 16	57 1	48 22	29 13	50 14	0 13	59 27	39 12	10 1	0
M18	12 58 10	40 4	18 20	4 1	53 19	54 0	26 25	2 1	39 23	36 0	10 10	44 2	43 13	19 0	25 16	57 1	48 22	29 13	50 14	0 13	58 27	39 12	13 1	1
T 19	13 19 4	42 3	29 20	31 1	58 20	13 0	28 25	0 1	39 23	36 0	10 10	42 2	43 13	20 0	25 16	57 1	48 22	29 13	50 14	0 13	57 27	40 12	15 1	1
W20	13 39 1s22	2 30	20 57 2	3 20	32 0	31 24	57 1	38 23	36 0	10 10	41 2	43 13	21 0	25 16	56 1	48 22	29 13	50 14	0 13	56 27	40 12	18 1	1	
T 21	13 58 7	17 1	24 21	23 2	8 20	51 0	34 24	54 1	38 23	35 0	10 10	39 2	43 13	22 0	25 16	56 1	48 22	29 13	49 14	0 13	55 27	41 12	21 1	2
F 22	14 18 12	50 0	15 21	47 2	12 21	9 0	36 24	51 1	37 23	35 0	10 10	38 2	43 13	24 0	25 16	55 1	48 22	29 13	49 14	0 13	54 27	41 12	23 1	2
S 23	14 37 17	47 0s53	22 9 2	17 21	26 0	39 24	48 1	37 23	35 0	10 10	36 2	43 13	25 0	25 16	55 1	48 22	29 13	49 14	0 13	53 27	41 12	26 1	2	
S 24	14 56 21	56 1	58 22	31 2	21 21	43 0	41 24	44 1	37 23	34 0	10 10	34 2	42 13	26 0	25 16	55 1	48 22	29 13	48 14	0 13	52 27	4		

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M 1	3 19 0	18♌20'45	5♋21	10♌17	14♌7	15♌59	6♌23	4°R 5	7♌20	23°R 6	5°R 0	7♌17	6♌30	2♌39	6♌48	
T 2	3 22 57	19°21'17	18°11	11°24	15°21	16°45	6°34	4♌1	7°24	23°R 4	4♌59	7°18	6°27	2°46	6°56	
W 3	3 26 54	20°21'51	1°Y25	12°29	16°36	17°31	6°46	3°56	7°27	23° 3	4°59	7°19	6°24	2°53	7° 4	
T 4	3 30 50	21°22'26	15° 5	13°30	17°50	18°16	6°58	3°52	7°31	23° 1	4°59	7°20	6°21	2°59	7°13	
F 5	3 34 47	22°23'02	29°12	14°28	19° 4	19° 2	7°10	3°47	7°35	22°59	4°59	7°21	6°18	3° 6	7°21	
S 6	3 38 43	23°23'40	13♌41	15°22	20°19	19°48	7°21	3°43	7°38	22°58	4°59	7°R21	6°14	3°13	7°29	
S 7	3 42 40	24°24'19	28°29	16°11	21°33	20°34	7°33	3°38	7°42	22°56	4°59	7°20	6°11	3°20	7°37	
M 8	3 46 36	25°24'59	13♌27	16°55	22°47	21°20	7°45	3°34	7°46	22°54	4°59	7°18	6° 8	3°26	7°45	
T 9	3 50 33	26°25'41	28°27	17°33	24° 2	22° 5	7°57	3°30	7°49	22°53	4°D59	7°16	6° 5	3°33	7°54	
W10	3 54 29	27°26'25	13♌21	18° 4	25°16	22°51	8°10	3°25	7°53	22°51	4°59	7°13	6° 2	3°40	8° 2	
T 11	3 58 26	28°27'10	28° 1	18°28	26°30	23°37	8°22	3°21	7°56	22°49	4°59	7°11	5°59	3°46	8°10	
F 12	4 2 23	29°27'57	12♌22	18°44	27°44	24°23	8°34	3°17	8° 0	22°47	4°59	7° 9	5°55	3°53	8°18	
S 13	4 6 19	0♌28'45	26°21	18°R51	28°59	25° 9	8°47	3°13	8° 4	22°46	4°59	7°D 8	5°52	4° 0	8°26	
S 14	4 10 16	1°29'35	9♌57	18°48	0♌13	25°56	8°59	3° 9	8° 7	22°44	4°59	7° 8	5°49	4° 6	8°34	
M15	4 14 12	2°30'26	23°13	18°35	1°27	26°42	9°12	3° 5	8°11	22°42	4°59	7° 9	5°46	4°13	8°42	
T 16	4 18 9	3°31'19	6♌10	18°11	2°41	27°28	9°24	3° 1	8°14	22°41	4°59	7°11	5°43	4°20	8°50	
W17	4 22 5	4°32'13	18°51	17°36	3°55	28°14	9°37	2°57	8°18	22°39	5° 0	7°12	5°40	4°27	8°58	
T 18	4 26 2	5°33'08	1♌18	16°49	5°10	29° 0	9°50	2°54	8°21	22°37	5° 0	7°R13	5°36	4°33	9° 6	
F 19	4 29 58	6°34'05	13°34	15°52	6°24	29°46	10° 2	2°50	8°24	22°36	5° 0	7°13	5°33	4°40	9°13	
S 20	4 33 55	7°35'02	25°42	14°46	7°38	0♌33	10°15	2°47	8°28	22°34	5° 0	7°12	5°30	4°47	9°21	
S 21	4 37 52	8°36'01	7♌43	13°32	8°52	1°19	10°28	2°43	8°31	22°33	5° 1	7° 9	5°27	4°53	9°29	
M22	4 41 48	9°37'01	19°39	12°13	10° 6	2° 5	10°41	2°40	8°35	22°31	5° 1	7° 4	5°24	5° 0	9°37	
T 23	4 45 45	10°38'02	1♌32	10°50	11°20	2°52	10°54	2°36	8°38	22°29	5° 1	6°58	5°20	5° 7	9°44	
W24	4 49 41	11°39'04	13°22	9°27	12°34	3°38	11° 7	2°33	8°41	22°28	5° 2	6°51	5°17	5°13	9°52	
T 25	4 53 38	12°40'06	25°13	8° 7	13°48	4°25	11°20	2°30	8°44	22°26	5° 2	6°44	5°14	5°20	9°59	
F 26	4 57 34	13°41'09	7♌7	6°52	15° 2	5°11	11°34	2°27	8°48	22°25	5° 2	6°38	5°11	5°27	10° 7	
S 27	5 1 31	14°42'13	19° 6	5°45	16°16	5°57	11°47	2°24	8°51	22°23	5° 3	6°33	5° 8	5°34	10°14	
S 28	5 5 27	15°43'17	1♌16	4°46	17°30	6°44	12° 0	2°21	8°54	22°22	5° 3	6°30	5° 5	5°40	10°22	
M29	5 9 24	16°44'21	13°40	3°58	18°44	7°30	12°13	2°18	8°57	22°20	5° 4	6°D29	5° 1	5°47	10°29	
T 30	5 13 21	17°45'26	26♌23	3♌21	19♌58	8♌17	12♌27	2♌16	9♌0	22♌19	5♌4	6♌29	4♌58	5♌54	10♌37	

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
M 1	17s20	13s54	4s40	24s38	2s37	23s34	1s 1	24s 5	1s34	23s31	0s11	10n22	2s42	13s36	0n25	16n51	1s48	22s27	13s46	13n59	13n43	27s45	12s48	1n 5
T 2	17 37	8 22	4 0	24 47	2 37	23 45	1 4	23 59	1 33	23 31	0 11	10 21	2 42	13 37	0 25	16 51	1 48	22 27	13 46	13 59	13 42	27 45	12 50	1 5
W 3	17 53	2 17	3 6	24 55	2 36	23 55	1 6	23 53	1 33	23 30	0 11	10 20	2 42	13 38	0 25	16 50	1 48	22 27	13 46	13 59	13 41	27 46	12 53	1 5
T 4	18 9	4n 7	0 2	25 1	2 34	24 4	1 8	23 46	1 32	23 30	0 11	10 18	2 41	13 39	0 25	16 50	1 48	22 27	13 45	14 0	13 40	27 46	12 55	1 6
F 5	18 25	10 31	0 45	25 6	2 31	24 13	1 10	23 39	1 32	23 29	0 11	10 17	2 41	13 41	0 25	16 49	1 48	22 27	13 45	14 0	13 39	27 46	12 57	1 6
S 6	18 40	16 32	0n35	25 9	2 28	24 21	1 13	23 32	1 31	23 29	0 11	10 15	2 41	13 42	0 25	16 49	1 48	22 26	13 45	14 0	13 38	27 47	13 0	1 6
S 7	18 55	21 43	1 54	25 10	2 24	24 28	1 15	23 25	1 31	23 28	0 11	10 14	2 41	13 43	0 25	16 49	1 48	22 26	13 44	14 0	13 37	27 47	13 2	1 7
M 8	19 10	25 33	3 6	25 9	2 18	24 35	1 17	23 17	1 30	23 27	0 11	10 13	2 41	13 44	0 25	16 48	1 48	22 26	13 44	13 59	13 36	27 47	13 5	1 7
T 9	19 24	27 35	4 6	25 6	2 12	24 41	1 19	23 10	1 30	23 27	0 11	10 12	2 41	13 45	0 25	16 48	1 48	22 26	13 44	13 58	13 35	27 47	13 7	1 7
W10	19 38	27 36	4 48	25 1	2 4	24 46	1 21	23 1	1 29	23 26	0 11	10 10	2 40	13 46	0 25	16 47	1 48	22 25	13 44	13 57	13 34	27 48	13 9	1 8
T 11	19 52	25 41	5 11	24 55	1 55	24 50	1 23	22 53	1 29	23 26	0 12	10 9	2 40	13 48	0 25	16 47	1 48	22 25	13 43	13 57	13 33	27 48	13 12	1 8
F 12	20 5	22 9	5 14	24 46	1 45	24 54	1 25	22 44	1 28	23 25	0 12	10 8	2 40	13 49	0 25	16 47	1 48	22 25	13 43	13 56	13 32	27 48	13 14	1 8
S 13	20 18	17 25	4 57	24 34	1 33	24 57	1 27	22 36	1 28	23 24	0 12	10 7	2 40	13 50	0 25	16 46	1 48	22 24	13 43	13 56	13 31	27 49	13 16	1 9
S 14	20 31	11 56	4 25	24 21	1 20	24 59	1 29	22 27	1 27	23 23	0 12	10 5	2 40	13 51	0 25	16 46	1 48	22 24	13 42	13 56	13 30	27 49	13 18	1 9
M15	20 43	6 3	3 39	24 5	1 5	25 0	1 31	22 17	1 27	23 23	0 12	10 4	2 40	13 52	0 25	16 45	1 48	22 24	13 42	13 56	13 29	27 49	13 21	1 9
T 16	20 55	0 2	2 42	23 47	0 49	25 1	1 32	22 8	1 26	23 22	0 12	10 3	2 39	13 53	0 25	16 45	1 48	22 23	13 42	13 57	13 28	27 49	13 23	1 10
W17	21 6	5s52	1 39	23 26	0 31	25 0	1 34	21 58	1 26	23 21	0 12	10 2	2 39	13 54	0 25	16 44	1 48	22 23	13 41	13 57	13 26	27 49	13 25	1 10
T 18	21 17	11 27	0 32	23 3	0 13	24 59	1 36	21 48	1 25	23 20	0 12	10 1	2 39	13 56	0 25	16 44	1 48	22 23	13 41	13 57	13 25	27 50	13 27	1 10
F 19	21 28	16 30	0s35	22 38	0n 7	24 58	1 37	21 37	1 25	23 19	0 12	10 0	2 39	13 57	0 25	16 44	1 48	22 22	13 41	13 57	13 24	27 50	13 29	1 11
S 20	21 38	20 51	1 39	22 10	0 27	24 55	1 39	21 27	1 24	23 18	0 12	9 59	2 39	13 58	0 25	16 43	1 48	22 22	13 41	13 57	13 23	27 50	13 31	1 11
S 21	21 48	24 16	2 39	21 42	0 48	24 52	1 40	21 16	1 23	23 17	0 12	9 58	2 38	13 59	0 25	16 43	1 48	22 22	13 40	13 56	13 22	27 50	13 34	1 11
M22	21 57	26 36	3 31	21 12	1 8	24 48	1 42	21 5	1 23	23 16	0 12	9 57	2 38	14 0	0 25	16 42	1 48	22 21	13 40	13 54	13 21	27 51	13 36	1 12
T 23	22 6	27 43	4 14	20 41	1 27	24 43	1 43	20 54	1 22	23 15	0 12	9 56	2 38	14 1	0 25	16 42	1 48	22 21	13 40	13 52	13 20	27 51	13 38	1 12
W24	22 14	27 33	4 45	20 12	1 45	24 38	1 44	20 43	1 22	23 14	0 13	9 55	2 38	14 2	0 25	16 42	1 48	22 20	13 39	13 50	13 19	27 51	13 40	1 12
T 25	22 22	26 8	5 4	19 43	2 1	24 32	1 45	20 31	1 21	23 13	0 13	9 54	2 37	14 3	0 25	16 41	1 48	22 20	13 39	13 48	13 18	27 51	13 42	1 13
F 26	22 30	23 32	5 10	19 17	2 16	24 25	1 46	20 19	1 20	23 12	0 13	9 54	2 37	14 4	0 25	16 41	1 48	22 20	13 39	13 46	13 17	27 51	13 44	1 13
S 27	22 37	19 55	5 3	18 54	2 28	24 17	1 47	20 7	1 20	23 11	0 13	9 53	2 37	14 5	0 25	16 41	1 48	22 19	13 39	13 44	13 16	27 51	13 46	1 13
S 28	22 44	15 26	4 42	18 34	2 37	24 8	1 48	19 55	1 19	23 10	0 13	9 52	2 37	14 6	0 25	16 40	1 48	22 19	13 38	13 43	13 15	27 51	13 48	1 14
M29	22 50	10 15	4 8	18 18	2 45	23 59	1 49	19 42	1 19	23 9	0 13	9 51	2 36	14 7	0 25	16 40	1 48	22 18	13 38	13 43	13 14	27 52		

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DECEMBER 1557 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	5 17 17	18°46'31	9°28'	2°R55	21°32'	9°33'	12°30'	2°R13	9°M 4	22°R17	5°H 5	6°B30	4°B55	6°B 0	10°M44								
T 2	5 21 14	19°47'37	23° 0	2°R39	22°26'	9°50'	12°54'	2°B 11	9° 7	22°B16	5° 5	6°32	4°52	6° 7	10°51								
F 3	5 25 10	20°48'43	7°B 0	2°D35	23°40'	10°36'	13° 7	2° 8	9°10	22°14	5° 6	6°R33	4°49	6°14	10°58								
S 4	5 29 7	21°49'49	21°29'	2°40	24°53'	11°23'	13°21'	2° 6	9°13	22°13	5° 7	6°32	4°46	6°21	11° 5								
S 5	5 33 3	22°50'56	6°II22	2°54	26° 7	12° 9	13°34'	2° 4	9°16	22°11	5° 7	6°28	4°42	6°27	11°12								
M 6	5 37 0	23°52'03	21°33'	3°16	27°21'	12°56'	13°48'	2° 2	9°19	22°10	5° 8	6°23	4°39	6°34	11°19								
T 7	5 40 57	24°53'10	6°B51	3°46	28°35'	13°42'	14° 2	2° 0	9°22	22° 9	5° 9	6°16	4°36	6°41	11°26								
W 8	5 44 53	25°54'18	22° 7	4°23	29°48'	14°29'	14°15'	1°58	9°24	22° 7	5° 9	6° 8	4°33	6°47	11°33								
T 9	5 48 50	26°55'27	7°B 9	5° 5	1°30 2	15°16'	14°29'	1°56	9°27	22° 6	5°10	6° 1	4°30	6°54	11°40								
F 10	5 52 46	27°56'36	21°48'	5°53	2°15	16° 2	14°43'	1°55	9°30	22° 5	5°11	5°54	4°26	7° 1	11°47								
S 11	5 56 43	28°57'45	6°II 1	6°46	3°29	16°49'	14°57'	1°53	9°33	22° 3	5°12	5°49	4°23	7° 8	11°53								
S 12	6 0 39	29°58'55	19°44'	7°43	4°42	17°35'	15°10'	1°52	9°36	22° 2	5°12	5°47	4°20	7°14	12° 0								
M13	6 4 36	1°B 0'06	3°B 0	8°43	5°56	18°22'	15°24'	1°50	9°38	22° 1	5°13	5°D46	4°17	7°21	12° 7								
T 14	6 8 32	2° 1'17	15°52'	9°47	7° 9	19° 8	15°38'	1°49	9°41	21°59	5°14	5°47	4°14	7°28	12°13								
W15	6 12 29	3° 2'28	28°24'	10°54	8°23	19°55'	15°52'	1°48	9°44	21°58	5°15	5°48	4°11	7°34	12°19								
T 16	6 16 26	4° 3'40	10°M40	12° 3	9°36	20°41'	16° 6	1°47	9°46	21°57	5°16	5°R48	4° 7	7°41	12°26								
F 17	6 20 22	5° 4'52	22°46'	13°15	10°49	21°28'	16°20'	1°46	9°49	21°56	5°17	5°46	4° 4	7°48	12°32								
S 18	6 24 19	6° 6'04	4°B43	14°29	12° 2	22°15'	16°34'	1°45	9°51	21°55	5°18	5°42	4° 1	7°54	12°38								
S 19	6 28 15	7° 7'16	16°37	15°44	13°15	23° 1	16°48'	1°45	9°54	21°54	5°19	5°35	3°58	8° 1	12°44								
M20	6 32 12	8° 8'29	28°28'	17° 1	14°29	23°48'	17° 2	1°44	9°56	21°53	5°20	5°25	3°55	8° 8	12°50								
T 21	6 36 8	9° 9'41	10°B19	18°19	15°42	24°34'	17°16'	1°44	9°58	21°52	5°21	5°13	3°52	8°15	12°56								
W22	6 40 5	10°10'53	22°11'	19°39	16°55	25°21'	17°30'	1°43	10° 1	21°51	5°22	5° 0	3°48	8°21	13° 2								
T 23	6 44 1	11°12'05	4°30 5	21° 0	18° 8	26° 7	17°44'	1°43	10° 3	21°50	5°23	4°47	3°45	8°28	13° 8								
F 24	6 47 58	12°13'17	16° 4	22°22	19°21	26°54'	17°58'	1°D43	10° 5	21°49	5°24	4°35	3°42	8°35	13°14								
S 25	6 51 55	13°14'28	28° 8	23°45	20°33	27°40'	18°12'	1°43	10° 8	21°48	5°25	4°24	3°39	8°41	13°20								
S 26	6 55 51	14°15'39	10°B21	25° 9	21°46	28°27'	18°26'	1°43	10°10	21°47	5°26	4°16	3°36	8°48	13°25								
M27	6 59 48	15°16'49	22°45'	26°34	22°59	29°14'	18°40'	1°43	10°12	21°46	5°27	4°11	3°32	8°55	13°31								
T 28	7 3 44	16°17'58	5°B24	28° 0	24°11	0°H 0	18°54'	1°44	10°14	21°45	5°28	4° 9	3°29	9° 2	13°36								
W29	7 7 41	17°19'07	18°22'	29°26	25°24	0°46	19° 8	1°44	10°16	21°44	5°29	4°D 9	3°26	9° 8	13°41								
T 30	7 11 37	18°20'15	1°B43	0°B53	26°36	1°33	19°23	1°45	10°18	21°43	5°30	4°R 9	3°23	9°15	13°47								
F 31	7 15 34	19°21'22	15°B30	2°B21	27°49	2°H19	19°37	1°B45	10°M20	21°B43	5°H32	4°B 8	3°B20	9°B22	13°M52								

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
W 1	23s 1	1n36	2s21	17s58	2n53	23s39	1s51	19s17	1s17	23s 7	0s13	9n50	2s36	14s 9	0n25	16n39	1s48	22s17	13s37	13n43	13n12	27s52	13s54	1n15
T 2	23 6	7 50	1 13	17 54	2 54	23 28	1 51	19 4	1 17	23 5	0 13	9 49	2 36	14 10	0 25	16 39	1 47	22 17	13 37	13 44	13 11	27 52	13 56	1 15
F 3	23 11	13 55	0n 2	17 53	2 54	23 16	1 52	18 50	1 16	23 4	0 13	9 49	2 35	14 11	0 25	16 39	1 47	22 16	13 37	13 44	13 9	27 52	13 58	1 15
S 4	23 15	19 28	1 20	17 56	2 52	23 3	1 53	18 37	1 15	23 3	0 13	9 48	2 35	14 12	0 25	16 38	1 47	22 16	13 37	13 44	13 8	27 52	13 59	1 16
S 5	23 18	23 57	2 34	18 2	2 49	22 50	1 53	18 23	1 15	23 2	0 13	9 48	2 35	14 13	0 25	16 38	1 47	22 15	13 36	13 43	13 7	27 52	14 1	1 16
M 6	23 21	26 52	3 38	18 10	2 45	22 36	1 53	18 10	1 14	23 0	0 14	9 47	2 35	14 14	0 25	16 38	1 47	22 15	13 36	13 41	13 6	27 52	14 3	1 17
T 7	23 24	27 46	4 28	18 21	2 40	22 21	1 54	17 55	1 14	22 59	0 14	9 47	2 34	14 15	0 25	16 37	1 47	22 14	13 36	13 39	13 5	27 52	14 5	1 17
W 8	23 26	26 34	4 58	18 33	2 34	22 6	1 54	17 41	1 13	22 58	0 14	9 47	2 34	14 16	0 25	16 37	1 47	22 14	13 35	13 36	13 4	27 52	14 7	1 17
T 9	23 28	23 28	5 7	18 47	2 27	21 50	1 54	17 27	1 12	22 56	0 14	9 46	2 34	14 17	0 25	16 37	1 47	22 13	13 35	13 33	13 3	27 52	14 8	1 18
F 10	23 29	18 55	4 55	19 2	2 21	21 33	1 54	17 12	1 12	22 55	0 14	9 46	2 34	14 18	0 25	16 36	1 47	22 13	13 35	13 31	13 2	27 53	14 10	1 18
S 11	23 30	13 26	4 25	19 18	2 13	21 16	1 54	16 58	1 11	22 53	0 14	9 46	2 33	14 18	0 25	16 36	1 47	22 12	13 35	13 30	13 1	27 53	14 12	1 19
S 12	23 30	7 28	3 41	19 35	2 5	20 58	1 54	16 43	1 10	22 52	0 14	9 45	2 33	14 19	0 25	16 36	1 47	22 12	13 34	13 29	13 0	27 53	14 13	1 19
M13	23 30	1 21	2 47	19 53	1 58	20 40	1 53	16 28	1 9	22 51	0 14	9 45	2 33	14 20	0 25	16 35	1 47	22 11	13 34	13 29	12 59	27 53	14 15	1 19
T 14	23 29	4s39	1 45	20 10	1 49	20 21	1 53	16 13	1 9	22 49	0 14	9 45	2 32	14 21	0 25	16 35	1 47	22 11	13 34	13 29	12 58	27 53	14 17	1 20
W15	23 28	10 19	0 40	20 28	1 41	20 2	1 53	15 57	1 8	22 47	0 14	9 45	2 32	14 22	0 25	16 35	1 47	22 10	13 34	13 29	12 57	27 53	14 18	1 20
T 16	23 26	15 28	0s26	20 46	1 33	19 42	1 52	15 42	1 7	22 46	0 14	9 45	2 32	14 23	0 25	16 35	1 47	22 9	13 33	13 29	12 56	27 53	14 20	1 20
F 17	23 24	19 57	1 29	21 3	1 24	19 21	1 51	15 26	1 7	22 44	0 15	9 45	2 32	14 23	0 25	16 34	1 47	22 9	13 33	13 29	12 54	27 53	14 21	1 21
S 18	23 21	23 33	2 28	21 20	1 16	19 0	1 51	15 10	1 6	22 43	0 15	9 45	2 31	14 24	0 25	16 34	1 47	22 8	13 33	13 27	12 53	27 53	14 23	1 21
S 19	23 18	26 8	3 20	21 37	1 7	18 38	1 50	14 54	1 5	22 41	0 15	9 45	2 31	14 25	0 25	16 34	1 47	22 8	13 33	13 25	12 52	27 53	14 24	1 22
M20	23 15	27 32	4 2	21 53	0 59	18 16	1 49	14 38	1 5	22 39	0 15	9 45	2 31	14 26	0 25	16 34	1 47	22 7	13 32	13 22	12 51	27 52	14 26	1 22
T 21	23 11	27 39	4 34	22 9	0 50	17 53	1 48	14 22	1 4	22 38	0 15	9 45	2 30	14 26	0 25	16 34	1 47	22 6	13 32	13 18	12 50	27 52	14 27	1 22
W22	23 6	26 30	4 54	22 24	0 42	17 30	1 47	14 6	1 3	22 36	0 15	9 45	2 30	14 27	0 25	16 33	1 47	22 6	13 32	13 13	12 49	27 52	14 28	1 23
T 23	23 2	24 10	5 2	22 38	0 34	17 7	1 46	13 49	1 3	22 34	0 15	9 45	2 30	14 28	0 25	16 33	1 47	22 5	13 32	13 9	12 48	27 52	14 30	1 23
F 24	22 56	20 45	4 56	22 51	0 26	16 43	1 45	13 33	1 2	22 32	0 15	9 46	2 29	14 29	0 25	16 33	1 47	22 5	13 31	13 5	12 47	27 52	14 31	1 24
S 25	22 50	16 28	4 37	23 4	0 18	16 18	1 43	13 16	1 1	22 31	0 15	9 46	2 29	14 29	0 25	16 33	1 46	22 4	13 31	13 1	12 46	27 52	14 32	1 24
S 26	22 44	11 29	4 5	23 15	0 10	15 54	1 42	12 59	1 0	22 29	0 15	9 46	2 29	14 30	0 25	16 33	1 46	22 3	13 31	12 59	12 45	27 52	14 34	1 25
M27	22 37	5 57	3 21	23 25	0 2	15 28	1 40	12 42	1 0	22 27	0 15	9 47	2 29	14 31	0 25	16 32	1 46	22 3	13 31	12 57	12 44	27 52	14 35	1 25
T 28	22 30	0 5	2 26	23 35	0s 6	15 3	1 39	12 25	0 59	22 25	0 16													