

SWISS EPHEMERIS for the year 1590

JANUARY 1590 GC

00:00 UT

Day	Sid.t	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒
M 1	6 41 4	10♌24'54	2♑27	18♂ 9	19♏ 8	29♏30	16♁18	8°R43	17♋38	5°R10	11♏13	13°R38	14♑53	20♑32	9°R45				
T 2	6 45 0	11°26'05	15°35	18°45	20°21	0♌16	16°23	8♁39	17°40	5♑ 9	11°13	13♑35	14°49	20°39	9♁44				
W 3	6 48 57	12°27'16	29°10	19°27	21°33	1° 2	16°29	8°36	17°42	5° 7	11°13	13°30	14°46	20°45	9°43				
T 4	6 52 53	13°28'27	13♏12	20°13	22°45	1°49	16°34	8°32	17°44	5° 5	11°13	13°26	14°43	20°52	9°42				
F 5	6 56 50	14°29'38	27°39	21° 4	23°57	2°35	16°39	8°29	17°46	5° 4	11°14	13°21	14°40	20°59	9°41				
S 6	7 0 46	15°30'49	12♌24	21°59	25° 9	3°21	16°44	8°25	17°48	5° 2	11°14	13°17	14°37	21° 5	9°40				
S 7	7 4 43	16°32'00	27°21	22°57	26°21	4° 7	16°49	8°22	17°50	5° 1	11°14	13°15	14°33	21°12	9°39				
M 8	7 8 39	17°33'09	12♏21	23°58	27°33	4°53	16°53	8°19	17°52	4°59	11°14	13°D14	14°30	21°19	9°39				
T 9	7 12 36	18°34'19	27°16	25° 2	28°45	5°39	16°58	8°15	17°54	4°58	11°15	13°15	14°27	21°25	9°38				
W10	7 16 33	19°35'27	11♋58	26° 9	29°57	6°25	17° 2	8°12	17°56	4°56	11°15	13°16	14°24	21°32	9°38				
T 11	7 20 29	20°36'35	26°22	27°18	1♌ 8	7°11	17° 6	8° 9	17°58	4°54	11°15	13°18	14°21	21°38	9°37				
F 12	7 24 26	21°37'42	10♏27	28°29	2°20	7°57	17°10	8° 6	18° 0	4°53	11°16	13°19	14°18	21°45	9°37				
S 13	7 28 22	22°38'48	24°11	29°42	3°31	8°43	17°13	8° 4	18° 2	4°51	11°16	13°R19	14°14	21°52	9°36				
S 14	7 32 19	23°39'53	7♁34	0♌57	4°43	9°30	17°17	8° 1	18° 5	4°49	11°17	13°18	14°11	21°58	9°36				
M15	7 36 15	24°40'57	20°40	2°13	5°54	10°15	17°20	7°58	18° 7	4°48	11°17	13°17	14° 8	22° 5	9°36				
T 16	7 40 12	25°42'00	3♁28	3°30	7° 5	11° 1	17°23	7°56	18° 9	4°46	11°17	13°15	14° 5	22°12	9°35				
W17	7 44 8	26°43'03	16° 3	4°49	8°16	11°47	17°26	7°53	18°12	4°44	11°18	13°12	14° 2	22°18	9°35				
T 18	7 48 5	27°44'04	28°25	6° 9	9°27	12°33	17°29	7°51	18°14	4°43	11°18	13°10	13°59	22°25	9°D35				
F 19	7 52 2	28°45'05	10♌37	7°31	10°37	13°19	17°32	7°49	18°17	4°41	11°19	13° 7	13°55	22°32	9°35				
S 20	7 55 58	29°46'04	22°40	8°53	11°48	14° 5	17°34	7°47	18°19	4°39	11°20	13° 6	13°52	22°38	9°35				
S 21	7 59 55	0♏47'03	4♑36	10°17	12°58	14°51	17°36	7°45	18°22	4°38	11°20	13° 5	13°49	22°45	9°35				
M22	8 3 51	1°48'00	16°26	11°41	14° 9	15°37	17°38	7°43	18°24	4°36	11°21	13°D 5	13°46	22°52	9°36				
T 23	8 7 48	2°48'57	28°14	13° 6	15°19	16°22	17°40	7°41	18°27	4°34	11°21	13° 5	13°43	22°58	9°36				
W24	8 11 44	3°49'53	10♑ 2	14°33	16°29	17° 8	17°42	7°39	18°30	4°33	11°22	13° 6	13°39	23° 5	9°36				
T 25	8 15 41	4°50'48	21°52	16° 0	17°39	17°54	17°44	7°38	18°32	4°31	11°23	13° 7	13°36	23°12	9°37				
F 26	8 19 37	5°51'42	3♁48	17°28	18°49	18°40	17°45	7°36	18°35	4°29	11°23	13° 8	13°33	23°18	9°37				
S 27	8 23 34	6°52'35	15°54	18°57	19°58	19°25	17°46	7°35	18°38	4°28	11°24	13° 8	13°30	23°25	9°38				
S 28	8 27 31	7°53'28	28°14	20°26	21° 8	20°11	17°47	7°34	18°41	4°26	11°25	13° 9	13°27	23°31	9°38				
M29	8 31 27	8°54'19	10♏52	21°57	22°17	20°56	17°48	7°33	18°43	4°24	11°25	13°R 9	13°24	23°38	9°39				
T 30	8 35 24	9°55'10	23°52	23°28	23°26	21°42	17°48	7°32	18°46	4°23	11°26	13° 9	13°20	23°45	9°40				
W31	8 39 20	10♏56'00	7♁18	25♌ 0	24♌35	22♌28	17♁49	7♁31	18♌49	4♑21	11♏27	13♑ 9	13♑17	23♑51	9♁40				

Day	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒						
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat					
M 1	23s 5	7s32	5n 7	20s26	2n32	16s48	1s46	12s36	1s 0	5s12	1n19	20n 7	1s42	5s35	0s45	18n56	0s 6	11s20	17s10	16n46	16n24	15n10	12n47	2s 5
T 2	23 0	11 33	5 13	20 38	2 24	16 23	1 44	12 19	0 59	5 14	1 20	20 7	1 42	5 34	0 45	18 56	0 6	11 20	17 9	16 47	16 25	15 8	12 47	2 5
W 3	22 54	15 6	5 2	20 49	2 15	15 58	1 43	12 2	0 58	5 16	1 20	20 6	1 42	5 34	0 45	18 56	0 6	11 19	17 9	16 48	16 26	15 7	12 46	2 5
T 4	22 48	17 56	4 32	21 2	2 6	15 33	1 41	11 45	0 58	5 18	1 20	20 6	1 42	5 33	0 45	18 57	0 6	11 19	17 9	16 50	16 27	15 6	12 46	2 5
F 5	22 42	19 43	3 45	21 14	1 57	15 8	1 39	11 28	0 57	5 19	1 20	20 6	1 42	5 32	0 45	18 57	0 6	11 18	17 8	16 51	16 28	15 4	12 46	2 5
S 6	22 35	20 14	2 42	21 27	1 48	14 42	1 37	11 10	0 56	5 21	1 21	20 5	1 41	5 31	0 45	18 57	0 6	11 18	17 8	16 52	16 29	15 3	12 46	2 5
S 7	22 28	19 19	1 26	21 39	1 39	14 15	1 36	10 53	0 55	5 23	1 21	20 5	1 41	5 30	0 45	18 58	0 6	11 18	17 7	16 53	16 30	15 2	12 45	2 5
M 8	22 20	17 3	0 5	21 52	1 30	13 49	1 33	10 35	0 54	5 24	1 21	20 5	1 41	5 30	0 45	18 58	0 6	11 17	17 7	16 53	16 31	15 0	12 45	2 5
T 9	22 12	13 39	1s17	22 4	1 20	13 22	1 31	10 17	0 53	5 26	1 21	20 4	1 41	5 29	0 45	18 59	0 6	11 17	17 7	16 53	16 32	14 59	12 45	2 5
W10	22 3 9	26 2	2 32	22 15	1 11	12 54	1 29	9 59	0 53	5 27	1 21	20 4	1 41	5 28	0 45	18 59	0 6	11 16	17 6	16 52	16 33	14 58	12 45	2 5
T 11	21 54	4 45	3 36	22 26	1 2	12 27	1 27	9 41	0 52	5 28	1 22	20 4	1 40	5 27	0 45	18 59	0 6	11 16	17 6	16 52	16 34	14 56	12 45	2 5
F 12	21 45	0n 4	4 26	22 36	0 53	11 59	1 24	9 23	0 51	5 30	1 22	20 4	1 40	5 26	0 45	19 0	0 6	11 15	17 6	16 52	16 35	14 55	12 45	2 5
S 13	21 35	4 46	4 59	22 46	0 44	11 30	1 22	9 5	0 50	5 31	1 22	20 3	1 40	5 25	0 45	19 0	0 6	11 15	17 5	16 51	16 36	14 54	12 45	2 5
S 14	21 25	9 6	5 14	22 54	0 35	11 2	1 19	8 47	0 49	5 32	1 22	20 3	1 40	5 24	0 45	19 1	0 6	11 14	17 5	16 52	16 36	14 53	12 44	2 5
M15	21 14	12 55	5 13	23 2	0 26	10 33	1 16	8 29	0 49	5 33	1 23	20 3	1 39	5 23	0 44	19 1	0 5	11 14	17 5	16 52	16 37	14 51	12 44	2 5
T 16	21 3	16 2	4 57	23 9	0 18	10 4	1 13	8 11	0 48	5 34	1 23	20 3	1 39	5 22	0 44	19 1	0 5	11 13	17 4	16 53	16 38	14 50	12 44	2 5
W17	20 51	18 21	4 26	23 15	0 9	9 35	1 11	7 53	0 47	5 35	1 23	20 3	1 39	5 21	0 44	19 2	0 5	11 13	17 4	16 53	16 39	14 49	12 44	2 5
T 18	20 40	19 46	3 43	23 20	0 1	9 5	1 7	7 34	0 46	5 36	1 24	20 2	1 39	5 20	0 44	19 2	0 5	11 12	17 4	16 54	16 40	14 47	12 44	2 5
F 19	20 27	20 14	2 50	23 24	0s 7	8 36	1 4	7 16	0 45	5 36	1 24	20 2	1 39	5 19	0 44	19 3	0 5	11 12	17 3	16 55	16 41	14 46	12 44	2 5
S 20	20 15	19 46	1 51	23 26	0 15	8 6	1 1	6 58	0 44	5 37	1 24	20 2	1 38	5 18	0 44	19 3	0 5	11 11	17 3	16 55	16 42	14 44	12 45	2 5
S 21	20 2	18 24	0 47	23 28	0 23	7 36	0 58	6 39	0 44	5 38	1 24	20 2	1 38	5 17	0 44	19 4	0 5	11 11	17 2	16 56	16 43	14 43	12 45	2 5
M22	19 48	16 14	0n19	23 29	0 30	7 5	0 55	6 21	0 43	5 38	1 25	20 2	1 38	5 16	0 44	19 4	0 5	11 10	17 2	16 56	16 44	14 42	12 45	2 5
T 23	19 34	13 25	1 23	23 28	0 37	6 35	0 51	6 2	0 42	5 39	1 25	20 2	1 38	5 15	0 44	19 4	0 5	11 10	17 2	16 55	16 45	14 40	12 45	2 5
W24	19 20	10 3	2 24	23 26	0 44	6 5	0 48	5 43	0 41	5 39	1 25	20 2	1 37	5 14	0 44	19 5	0 5	11 9	17 1	16 55	16 46	14 39	12 45	2 5
T 25	19 6	6 17	3 19	23 23	0 51	5 34	0 44	5 25	0 40	5 39	1 25	20 2	1 37	5 13	0 44	19 5	0 5	11 9	17 1	16 55	16 47	14 38	12 45	2 5
F 26	18 51	2 15	4 6	23 18	0 58	5 3	0 40	5 6	0 40	5 40	1 26	20 2	1 37	5 12	0 44	19 6	0 5	11 8	17 1	16 55	16 47	14 36	12 45	2 5
S 27	18 36	1s55	4 43	23 12	1 4	4 32	0 36	4 47	0 39	5 40	1 26	20 2	1 37	5 11	0 44	19 6	0 5	11 7	17 0	16 55	16 48	14 35	12 46	2 4
S 28	18 20	6 5	5 7	23 5	1 10	4 1	0 33	4 29	0 38	5 40	1 26	20 2	1 36	5 10	0 44	19 6	0 5	11 7	17 0	16 54	16 49	14 34	12 46	2 4
M29	18 4	10 5	5 18	22 57	1 16	3 30	0 29	4 10	0 37															

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FEBRUARY 1590 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♃	♁	♁	♁	♁	♁
T 1	8 43 17	11 ^h 56'49"	21 ^h 12'	26 ^h 32'	25 ^h 44'	23 ^h 13'	17°R49	7°R30	18 ^h 52'	4°R19	11 ^h 28'	13°R 8	13 ^h 14'	23 ^h 58'	9 ^h 41'
F 2	8 47 13	12°57'37"	5 ^h 32'	28° 6'	26°53'	23°59'	17 ^h 49	7 ^h 29	18°55'	4 ^h 18	11°29'	13°D 8	13°11'	24° 5'	9°42'
S 3	8 51 10	13°58'23"	20°16'	29°40'	28° 1'	24°44'	17°49	7°29	18°58'	4°16	11°29'	13 ^h 14'	13° 8	24°11'	9°43'
S 4	8 55 6	14°59'09"	5 ^h 18'	1 ^h 15'	29°10'	25°29'	17°48	7°28	19° 1'	4°14	11°30'	13° 8	13° 5	24°18'	9°44'
M 5	8 59 3	15°59'53"	20°30'	2°51'	0 ^h 18'	26°15'	17°48	7°28	19° 4'	4°13	11°31'	13°R 8	13° 1	24°25'	9°45'
T 6	9 3 0	17° 0'36"	5 ^h 42'	4°28'	1°26'	27° 0'	17°47	7°28	19° 7'	4°11	11°32'	13° 8	12°58'	24°31'	9°47'
W 7	9 6 56	18° 1'17"	20°44'	6° 6'	2°34'	27°46'	17°46	7°D27	19°10'	4° 9	11°33'	13° 8	12°55'	24°38'	9°48'
T 8	9 10 53	19° 1'57"	5 ^h 19'	7°44'	3°41'	28°31'	17°45	7°27	19°13'	4° 8	11°34'	13° 7	12°52'	24°45'	9°49'
F 9	9 14 49	20° 2'35"	19°51'	9°23'	4°49'	29°16'	17°43	7°28	19°16'	4° 6	11°35'	13° 7	12°49'	24°51'	9°50'
S 10	9 18 46	21° 3'11"	3 ^h 47'	11° 3'	5°56'	0 ^h 1'	17°42	7°28	19°19'	4° 4	11°36'	13° 6	12°45'	24°58'	9°52'
S 11	9 22 42	22° 3'46"	17°16'	12°44'	7° 3'	0°46'	17°40	7°28	19°22'	4° 3	11°37'	13°D 6	12°42'	25° 5'	9°53'
M12	9 26 39	23° 4'18"	0 ^h 21'	14°26'	8° 9'	1°32'	17°38	7°29	19°25'	4° 1	11°38'	13° 6	12°39'	25°11'	9°55'
T 13	9 30 35	24° 4'49"	13° 4'	16° 9'	9°16'	2°17'	17°36	7°29	19°28'	4° 0	11°39'	13° 6	12°36'	25°18'	9°57'
W14	9 34 32	25° 5'18"	25°29'	17°53'	10°22'	3° 2'	17°34	7°30	19°32'	3°58	11°40'	13° 7	12°33'	25°24'	9°58'
T 15	9 38 29	26° 5'45"	7 ^h 40'	19°38'	11°28'	3°47'	17°31	7°31	19°35'	3°57	11°41'	13° 8	12°30'	25°31'	10° 0'
F 16	9 42 25	27° 6'10"	19°40'	21°23'	12°34'	4°32'	17°29	7°32	19°38'	3°55	11°42'	13°10'	12°26'	25°38'	10° 2'
S 17	9 46 22	28° 6'33"	1 ^h 13'	23°10'	13°39'	5°17'	17°26	7°33	19°41'	3°54	11°43'	13°11'	12°23'	25°44'	10° 4'
S 18	9 50 18	29° 6'55"	13°22'	24°57'	14°44'	6° 2'	17°23	7°34	19°45'	3°52	11°44'	13°R11	12°20'	25°51'	10° 6'
M19	9 54 15	0 ^h 7'15"	25°10'	26°46'	15°49'	6°46'	17°20	7°35	19°48'	3°51	11°45'	13°10'	12°17'	25°58'	10° 8'
T 20	9 58 11	1° 7'33"	6 ^h 19'	28°35'	16°54'	7°31'	17°17	7°36	19°51'	3°49	11°46'	13° 9	12°14'	26° 4'	10°10'
W21	10 2 8	2° 7'49"	18°50'	0 ^h 25'	17°58'	8°16'	17°13	7°38	19°54'	3°48	11°48'	13° 7	12°11'	26°11'	10°12'
T 22	10 6 4	3° 8'03"	0 ^h 46'	2°17'	19° 2'	9° 1'	17° 9	7°39	19°58'	3°46	11°49'	13° 4	12° 7	26°18'	10°14'
F 23	10 10 1	4° 8'16"	25°49'	4° 9'	20° 6'	9°45'	17° 5	7°41	20° 1'	3°45	11°50'	13° 0	12° 4	26°24'	10°16'
S 24	10 13 58	5° 8'28"	12° 1'	6° 2'	21° 9'	10°30'	17° 1	7°43	20° 4'	3°43	11°51'	12°57'	12° 1	26°31'	10°18'
S 25	10 17 54	6° 8'37"	7 ^h 26'	7°56'	22°12'	11°15'	16°57	7°45	20° 8'	3°42	11°52'	12°54'	11°58'	26°38'	10°21'
M26	10 21 51	7° 8'45"	20° 5'	9°51'	23°14'	11°59'	16°53	7°47	20°11'	3°41	11°53'	12°51'	11°55'	26°44'	10°23'
T 27	10 25 47	8° 8'52"	3 ^h 7'	11°46'	24°17'	12°44'	16°48	7°49	20°15'	3°39	11°55'	12°D50	11°51'	26°51'	10°25'
W28	10 29 44	9 ^h 8'57"	16 ^h 19'	13 ^h 42'	25 ^h 19'	13 ^h 28'	16 ^h 44	7 ^h 51	20 ^h 18'	3 ^h 38	11 ^h 56'	12 ^h 50'	11 ^h 48'	26 ^h 58'	10 ^h 28'

Day	☉	☽	♀	♁	♂	♃	♅	♁	♃	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	17s15	19s 2	4n11	22s23	1s31	1s57	0s16	3s14	0s35	5s40	1n27	20n 2	1s35	5s 5	0s44
F 2	16 58 20	8 3 15	22 9	1 36	1 25	0 12	2 55	0 34	5 40	1 27	20 3	1 35	5 4	0 44	19 8
S 3	16 40 19	55 2	4 21	54 1	40 0	54 0	8 2	36 0	33 5	39 1	28 20	3 1	35 5	3 0	44 19
S 4	16 23 18	17 0	44 21	37 1	45 0	23 0	3 2	17 0	32 5	39 1	28 20	3 1	35 5	2 0	44 19
M 5	16 5 15	20 0	34 21	19 1	48 0	8 0	1 59	0 31	5 38	1 28	20 3	1 34	5 1	0 44	19 10
T 6	15 46 11	20 2	2 21	0 1	52 0	40 0	6 1	40 0	31 5	38 1	28 20	3 1	34 4	59 0	44 19
W 7	15 28 6	39 3	14 20	38 1	55 1	11 0	10 1	21 0	30 5	37 1	29 20	4 1	34 4	58 0	44 19
T 8	15 9 1	40 4	12 20	16 1	57 1	42 0	15 1	2 0	29 5	37 1	29 20	4 1	34 4	57 0	44 19
F 9	14 50 3n	16 4	52 19	52 2	0 2	13 0	20 0	43 0	28 5	36 1	29 20	4 1	33 4	56 0	44 19
S 10	14 31 7	53 5	14 19	27 2	2 44	0 25	0 25	0 27	5 35	1 29	20 4	1 33	4 55	0 44	19 12
S 11	14 11 11	57 5	17 19	0 2	3 15	0 30	0 6	0 27	5 34	1 30	20 5	1 33	4 53	0 44	19 12
M12	13 51 15	19 5	4 18	31 2	5 3	46 0	35 0	13 0	26 5	33 1	30 20	5 1	33 4	52 0	44 19
T 13	13 31 17	51 4	36 18	1 2	6 4	17 0	40 0	31 0	25 5	32 1	30 20	5 1	32 4	51 0	44 19
W14	13 11 19	30 3	55 17	30 2	6 4	48 0	45 0	50 0	24 5	31 1	30 20	6 1	32 4	50 0	44 19
T 15	12 51 20	12 3	5 16	57 2	6 5	18 0	50 1	9 0	23 5	30 1	31 20	6 1	32 4	48 0	44 19
F 16	12 30 19	57 2	7 16	23 2	5 5	49 0	55 1	27 0	23 5	29 1	31 20	6 1	32 4	47 0	44 19
S 17	12 9 18	49 1	4 15	47 2	5 6	19 1	0 1	46 0	22 5	27 1	31 20	7 1	31 4	46 0	44 19
S 18	11 48 16	52 0	n 1	15 10	2 3	6 49	1 5	2 4	0 21	5 26	1 31	20 7	1 31	4 44	0 44
M19	11 27 14	12 1	6 14	31 2	1 7	19 1	11 2	23 0	5 25	1 31	20 8	1 31	4 43	0 44	19 15
T 20	11 6 10	57 2	8 13	51 1	59 7	49 1	16 2	41 0	20 5	23 1	32 20	8 1	31 4	42 0	44 19
W21	10 44 7	15 3	5 13	9 1	56 8	19 1	21 3	0 0	19 5	22 1	32 20	9 1	30 4	40 0	44 19
T 22	10 23 3	16 3	54 12	26 1	53 8	48 1	27 3	18 0	18 5	20 1	32 20	9 1	30 4	39 0	44 19
F 23	10 1 0	5s3	4 33	11	42 1	49 9	18 1	32 3	37 0	17 5	18 1	32 20	10 1	30 4	38 0
S 24	9 39 5	3 5	0 10	56 1	44 9	47 1	38 3	55 0	17 5	17 1	33 20	10 1	30 4	36 0	44 19
S 25	9 17 9	5 5	13 10	9 1	39 10	15 1	43 4	13 0	16 5	15 1	33 20	11 1	29 4	35 0	44 19
M26	8 54 12	47 5	12 9	20 1	34 10	44 1	49 4	31 0	15 5	13 1	33 20	11 1	29 4	34 0	44 19
T 27	8 32 15	58 4	56 8	31 1	28 11	12 1	54 4	49 0	14 5	11 1	33 20	12 1	29 4	32 0	44 19
W28	8s 9	18s26	4n23	7s40	1s21	11n40	2n 0	5n 7	0s13	5s 9	1n33	20n13	1s29	4s31	0s44

Julian Day Number = 2301826.5, Delta T = 125.53 sec
 Ecliptic obliquity = 23°29'27", Nutation = - 0°00'11"
 Ayanamsha: Fagan/Bradley = 19°01'11", Lahiri = 18°08'11"Greg. Calendar

SWISS EPHEMERIS for the year 1590

MARCH 1590 GC

00:00 UT

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

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	7s47	19s55	3n34	6s48	1s14	12n 8	2n 6	5n25	0s13	5s 7	1n34	20n13	1s28	4s30	0s44	19n18	0s 5	10s47	16s52	16n59	17n18	13n48	13n 3	2s 3
F 2	7 24	20 14	2 32	5 55	1 6	12 36	2 11	5 43	0 12	5 5	1 34	20 14	1 28	4 28	0 44	19 19	0 5	10 46	16 51	16 59	17 19	13 46	13 4	2 3
S 3	7 1	19 13	1 18	5 1	0 57	13 3	2 17	6 1	0 11	5 3	1 34	20 14	1 28	4 27	0 44	19 19	0 5	10 45	16 51	16 59	17 20	13 45	13 5	2 3
S 4	6 38	16 53	0s 3	4 7	0 48	13 30	2 22	6 19	0 10	5 1	1 34	20 15	1 28	4 26	0 44	19 19	0 5	10 45	16 51	16 58	17 21	13 43	13 6	2 3
M 5	6 15	13 21	1 24	3 12	0 38	13 56	2 28	6 36	0 10	4 58	1 34	20 16	1 27	4 24	0 44	19 20	0 5	10 44	16 51	16 59	17 22	13 42	13 7	2 3
T 6	5 52	8 54	2 41	2 16	0 28	14 23	2 34	6 54	0 9	4 56	1 34	20 16	1 27	4 23	0 44	19 20	0 5	10 44	16 51	16 59	17 22	13 40	13 7	2 3
W 7	5 29	3 55	3 45	1 21	0 17	14 49	2 39	7 11	0 8	4 54	1 35	20 17	1 27	4 22	0 44	19 20	0 5	10 43	16 51	17 0	17 23	13 39	13 8	2 3
T 8	5 5	1n14	4 33	0 25	0 6	15 14	2 45	7 29	0 8	4 51	1 35	20 18	1 27	4 20	0 44	19 21	0 5	10 42	16 50	17 2	17 24	13 37	13 9	2 3
F 9	4 42	6 11	5 2	0n30	0n 6	15 40	2 51	7 46	0 7	4 49	1 35	20 19	1 26	4 19	0 44	19 21	0 5	10 42	16 50	17 3	17 25	13 36	13 10	2 3
S 10	4 19	10 39	5 12	1 25	0 18	16 4	2 56	8 4	0 6	4 46	1 35	20 19	1 26	4 18	0 44	19 21	0 5	10 41	16 50	17 5	17 26	13 34	13 11	2 3
S 11	3 55	14 24	5 3	2 19	0 30	16 29	3 2	8 21	0 5	4 44	1 35	20 20	1 26	4 16	0 44	19 21	0 5	10 40	16 50	17 6	17 27	13 33	13 12	2 3
M 12	3 32	17 18	4 38	3 12	0 43	16 53	3 8	8 38	0 5	4 41	1 35	20 21	1 26	4 15	0 44	19 22	0 5	10 40	16 50	17 7	17 28	13 31	13 13	2 3
T 13	3 8	19 15	4 1	4 4	0 55	17 17	3 13	8 55	0 4	4 39	1 35	20 22	1 25	4 14	0 44	19 22	0 5	10 39	16 50	17 7	17 29	13 30	13 14	2 3
W 14	2 44	20 13	3 12	4 54	1 8	17 40	3 19	9 12	0 3	4 36	1 36	20 22	1 25	4 12	0 44	19 22	0 5	10 38	16 50	17 7	17 29	13 28	13 15	2 3
T 15	2 21	20 12	2 16	5 42	1 21	18 3	3 25	9 29	0 2	4 33	1 36	20 23	1 25	4 11	0 44	19 22	0 5	10 38	16 50	17 6	17 30	13 26	13 16	2 3
F 16	1 57	19 17	1 15	6 29	1 33	18 26	3 30	9 45	0 2	4 31	1 36	20 24	1 25	4 9	0 44	19 23	0 5	10 37	16 49	17 6	17 31	13 25	13 17	2 3
S 17	1 33	17 30	0 12	7 12	1 46	18 48	3 36	10 2	0 1	4 28	1 36	20 25	1 25	4 8	0 44	19 23	0 5	10 37	16 49	17 6	17 32	13 23	13 18	2 3
S 18	1 10	15 0	0n52	7 53	1 58	19 10	3 41	10 18	0 0	4 25	1 36	20 26	1 24	4 7	0 44	19 23	0 5	10 36	16 49	17 6	17 33	13 22	13 19	2 3
M 19	0 46	11 52	1 53	8 32	2 10	19 31	3 47	10 35	0n 0	4 22	1 36	20 27	1 24	4 5	0 44	19 23	0 5	10 35	16 49	17 6	17 34	13 20	13 20	2 3
T 20	0 22	8 15	2 50	9 7	2 21	19 52	3 52	10 51	0 1	4 19	1 36	20 27	1 24	4 4	0 44	19 23	0 5	10 35	16 49	17 8	17 35	13 19	13 21	2 3
W 21	0n 1	4 16	3 40	9 39	2 31	20 12	3 57	11 7	0 2	4 17	1 36	20 28	1 24	4 3	0 44	19 24	0 5	10 34	16 49	17 10	17 36	13 17	13 22	2 3
T 22	0 25	0 5	4 20	10 7	2 41	20 32	4 3	11 23	0 2	4 14	1 36	20 29	1 23	4 1	0 44	19 24	0 5	10 34	16 49	17 12	17 36	13 16	13 23	2 3
F 23	0 49	4s 9	4 49	10 32	2 49	20 52	4 8	11 39	0 3	4 11	1 36	20 30	1 23	4 0	0 44	19 24	0 5	10 33	16 49	17 15	17 37	13 14	13 24	2 3
S 24	1 12	8 16	5 4	10 53	2 57	21 11	4 13	11 55	0 4	4 8	1 36	20 31	1 23	3 59	0 44	19 24	0 5	10 32	16 49	17 17	17 38	13 13	13 25	2 3
S 25	1 36	12 6	5 5	11 11	3 4	21 29	4 18	12 11	0 4	4 5	1 37	20 32	1 23	3 57	0 44	19 24	0 5	10 32	16 49	17 20	17 39	13 11	13 26	2 3
M 26	1 59	15 26	4 51	11 24	3 10	21 47	4 23	12 26	0 5	4 2	1 37	20 33	1 23	3 56	0 44	19 24	0 5	10 31	16 49	17 22	17 40	13 9	13 27	2 3
T 27	2 23	18 4	4 22	11 34	3 14	22 4	4 28	12 42	0 6	3 59	1 37	20 34	1 22	3 55	0 44	19 25	0 5	10 31	16 49	17 23	17 41	13 8	13 28	2 3
W 28	2 46	19 48	3 38	1																				

SWISS EPHEMERIS for the year 1590

APRIL 1590 GC

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♄	♃	♁	♂	♂	♂	♂	♂	♂	♂	♂
S 1	12 35 53	10°Y54'03	22°26	21°R28	23°833	6°848	13°R12	9°II54	22°K 7	3°R 9	12°Y39	11°R25	10°Ω 7	0°M30	12°810		
M 2	12 39 50	11°53'02	7°K 11	21°Y 4	24°13	7°31	13°A 4	10° 0	22°10	3°Ω 9	12°41	11°Ω23	10° 3	0°37	12°14		
T 3	12 43 47	12°51'59	22° 5	20°34	24°51	8°13	12°56	10° 5	22°13	3° 8	12°42	11°18	10° 0	0°44	12°18		
W 4	12 47 43	13°50'55	7°Y 1	20° 0	25°29	8°56	12°49	10°10	22°16	3° 8	12°44	11°11	9°57	0°50	12°22		
T 5	12 51 40	14°49'48	21°49	19°22	26° 4	9°39	12°41	10°16	22°20	3° 8	12°45	11° 1	9°54	0°57	12°26		
F 6	12 55 36	15°48'40	6°822	18°41	26°39	10°22	12°33	10°21	22°23	3° 8	12°46	10°51	9°51	1° 4	12°30		
S 7	12 59 33	16°47'29	20°32	17°58	27°12	11° 5	12°26	10°27	22°26	3° 7	12°48	10°41	9°48	1°10	12°34		
S 8	13 3 29	17°46'16	4°II15	17°14	27°44	11°47	12°18	10°33	22°29	3° 7	12°49	10°33	9°44	1°17	12°38		
M 9	13 7 26	18°45'02	17°31	16°30	28°14	12°30	12°10	10°39	22°33	3° 7	12°51	10°26	9°41	1°24	12°42		
T 10	13 11 22	19°43'44	0°E21	15°45	28°43	13°13	12° 3	10°44	22°36	3° 7	12°52	10°22	9°38	1°30	12°46		
W11	13 15 19	20°42'25	12°48	15° 2	29°10	13°55	11°55	10°50	22°39	3° 7	12°54	10°21	9°35	1°37	12°50		
T 12	13 19 16	21°41'03	24°57	14°21	29°36	14°38	11°48	10°56	22°42	3° 7	12°55	10°D20	9°32	1°44	12°54		
F 13	13 23 12	22°39'39	6°A53	13°42	29°59	15°20	11°40	11° 2	22°45	3° 7	12°56	10°R21	9°28	1°50	12°58		
S 14	13 27 9	23°38'13	18°42	13° 7	0°II21	16° 3	11°33	11° 9	22°48	3°D 7	12°58	10°20	9°25	1°57	13° 2		
S 15	13 31 5	24°36'45	0°M29	12°35	0°41	16°45	11°25	11°15	22°51	3° 7	12°59	10°19	9°22	2° 4	13° 6		
M16	13 35 2	25°35'14	12°19	12° 8	1° 0	17°27	11°18	11°21	22°54	3° 7	13° 1	10°15	9°19	2°10	13°10		
T 17	13 38 58	26°33'42	24°15	11°45	1°16	18°10	11°11	11°27	22°57	3° 7	13° 2	10° 8	9°16	2°17	13°14		
W18	13 42 55	27°32'07	6°A21	11°26	1°30	18°52	11° 4	11°34	23° 0	3° 7	13° 3	9°58	9°13	2°24	13°18		
T 19	13 46 51	28°30'30	18°39	11°13	1°42	19°34	10°56	11°40	23° 3	3° 7	13° 5	9°47	9° 9	2°30	13°22		
F 20	13 50 48	29°28'52	1°M 9	11° 4	1°52	20°16	10°49	11°46	23° 6	3° 7	13° 6	9°34	9° 6	2°37	13°27		
S 21	13 54 44	0°B27'11	13°52	11°D 0	2° 0	20°58	10°43	11°53	23° 9	3° 7	13° 8	9°21	9° 3	2°43	13°31		
S 22	13 58 41	1°25'29	26°48	11° 2	2° 5	21°40	10°36	11°59	23°12	3° 8	13° 9	9° 9	9° 0	2°50	13°35		
M23	14 2 38	2°23'45	9°A55	11° 8	2° 8	22°22	10°29	12° 6	23°15	3° 8	13°10	8°59	8°57	2°57	13°39		
T 24	14 6 34	3°22'00	23°14	11°19	2°R 9	23° 4	10°22	12°13	23°17	3° 8	13°12	8°52	8°53	3° 3	13°43		
W25	14 10 31	4°20'13	6°B43	11°34	2° 7	23°46	10°16	12°19	23°20	3° 9	13°13	8°47	8°50	3°10	13°48		
T 26	14 14 27	5°18'24	20°24	11°54	2° 3	24°28	10° 9	12°26	23°23	3° 9	13°14	8°45	8°47	3°17	13°52		
F 27	14 18 24	6°16'35	4°A16	12°19	1°57	25°10	10° 3	12°33	23°26	3° 9	13°16	8°45	8°44	3°23	13°56		
S 28	14 22 20	7°14'43	18°19	12°48	1°48	25°51	9°57	12°40	23°28	3°10	13°17	8°45	8°41	3°30	14° 0		
S 29	14 26 17	8°12'50	2°K34	13°21	1°37	26°33	9°51	12°47	23°31	3°10	13°18	8°44	8°38	3°37	14° 5		
M30	14 30 13	9°10'56	16°K58	13°Y58	1°II23	27°B15	9°A45	12°II54	23°K34	3°Ω11	13°Y20	8°Ω40	8°Ω34	3°M43	14°B 9		

Day	☉	☾	♂	♀	♂	♄	♃	♁	♂	♂	♂	♂	♂	♂	♂	♂	♂							
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
S 1	4n19	14s59	0s59	11n23	3n14	23n24	4n51	13n57	0n 9	3s44	1n37	20n39	1s21	3s48	0s44	19n25	0s 5	10s28	16s48	17n23	17n45	13n 0	13n34	2s 3
M 2	4 42	10 57	2 13	11 9	3 9	23 38	4 55	14 12	0 10	3 41	1 37	20 39	1 21	3 47	0 44	19 25	0 5	10 27	16 48	17 24	17 46	12 58	13 35	2 3
T 3	5 6	6 12	3 19	10 52	3 3	23 52	5 0	14 27	0 10	3 38	1 37	20 40	1 21	3 46	0 44	19 25	0 4	10 27	16 48	17 26	17 47	12 57	13 36	2 3
W 4	5 28	1 4	4 12	10 32	2 55	24 5	5 4	14 41	0 11	3 35	1 37	20 41	1 21	3 44	0 44	19 26	0 4	10 26	16 48	17 28	17 48	12 55	13 37	2 3
T 5	5 51	4n 5	4 47	10 9	2 46	24 17	5 7	14 55	0 12	3 32	1 37	20 42	1 21	3 43	0 44	19 26	0 4	10 26	16 48	17 30	17 48	12 53	13 39	2 3
F 6	6 14	8 54	5 3	9 44	2 35	24 29	5 11	15 9	0 12	3 29	1 37	20 43	1 20	3 42	0 44	19 26	0 4	10 25	16 48	17 33	17 49	12 52	13 40	2 3
S 7	6 37	13 7	4 59	9 16	2 23	24 41	5 15	15 23	0 13	3 26	1 37	20 44	1 20	3 41	0 44	19 26	0 4	10 24	16 48	17 36	17 50	12 50	13 41	2 3
S 8	6 59	16 29	4 38	8 47	2 10	24 51	5 18	15 37	0 14	3 23	1 37	20 45	1 20	3 39	0 44	19 26	0 4	10 24	16 48	17 38	17 51	12 49	13 42	2 3
M 9	7 22	18 52	4 3	8 16	1 55	25 1	5 21	15 51	0 14	3 20	1 37	20 46	1 20	3 38	0 44	19 26	0 4	10 23	16 48	17 40	17 52	12 47	13 43	2 3
T 10	7 44	20 13	3 16	7 45	1 40	25 11	5 24	16 4	0 15	3 17	1 37	20 47	1 20	3 37	0 44	19 26	0 4	10 23	16 48	17 41	17 53	12 45	13 44	2 3
W11	8 6	20 32	2 21	7 14	1 24	25 20	5 27	16 18	0 16	3 14	1 36	20 48	1 19	3 36	0 44	19 26	0 4	10 22	16 49	17 41	17 54	12 44	13 46	2 4
T 12	8 28	19 51	1 21	6 43	1 8	25 28	5 29	16 31	0 16	3 12	1 36	20 49	1 19	3 34	0 44	19 26	0 4	10 22	16 49	17 41	17 54	12 42	13 47	2 4
F 13	8 50	18 18	0 18	6 13	0 51	25 35	5 32	16 44	0 17	3 9	1 36	20 50	1 19	3 33	0 44	19 26	0 4	10 21	16 49	17 41	17 55	12 41	13 48	2 4
S 14	9 12	15 57	0n44	5 43	0 35	25 42	5 34	16 57	0 17	3 6	1 36	20 51	1 19	3 32	0 44	19 26	0 4	10 21	16 49	17 41	17 56	12 39	13 49	2 4
S 15	9 33	12 58	1 45	5 16	0 18	25 48	5 35	17 10	0 18	3 3	1 36	20 53	1 19	3 31	0 44	19 26	0 4	10 20	16 49	17 42	17 57	12 37	13 50	2 4
M16	9 55	9 26	2 41	4 50	0 1	25 53	5 37	17 22	0 19	3 0	1 36	20 54	1 19	3 30	0 44	19 26	0 4	10 20	16 49	17 43	17 58	12 36	13 51	2 4
T 17	10 16	5 30	3 31	4 26	0s15	25 58	5 38	17 35	0 19	2 58	1 36	20 55	1 18	3 28	0 44	19 26	0 4	10 20	16 49	17 45	17 59	12 34	13 53	2 4
W18	10 37	1 19	4 11	4 4	0 31	26 2	5 39	17 47	0 20	2 55	1 36	20 56	1 18	3 27	0 44	19 26	0 4	10 19	16 49	17 47	17 59	12 32	13 54	2 4
T 19	10 58	3s 0	4 41	3 44	0 46	26 4	5 39	17 59	0 20	2 52	1 36	20 57	1 18	3 26	0 44	19 26	0 4	10 19	16 49	17 50	18 0	12 31	13 55	2 4
F 20	11 19	7 15	4 57	3 28	1 1	26 7	5 39	18 11	0 21	2 50	1 36	20 58	1 18	3 25	0 44	19 26	0 4	10 18	16 49	17 54	18 1	12 29	13 56	2 4
S 21	11 39	11 16	5 0	3 13	1 15	26 8	5 39	18 23	0 22	2 47	1 36	20 59	1 18	3 24	0 44	19 26	0 4	10 18	16 49	17 57	18 2	12 27	13 57	2 4
S 22	12 0	14 50	4 47	3 2	1 28	26 8	5 38	18 35	0 22	2 44	1 35	21 0	1 18	3 23	0 44	19 26	0 4	10 17	16 49	18 0	18 3	12 26	13 59	2 4
M23	12 20	17 43	4 18	2 52	1 40	26 8	5 37	18 46	0 23	2 42	1 35	21 1	1 17	3 22	0 44	19 26	0 4	10 17	16 49	18 3	18 4	12 24	14 0	2 4
T 24	12 40	19 43	3 36	2 46	1 52	26 6	5 35	18 57	0 23	2 39	1 35	21 2	1 17	3 20	0 44	19 26	0 4	10 17	16 50	18 5	18 4	12 22	14 1	2 4
W25	13 0	20 39	2 41	2 42	2 3	26 4	5 33	19 8	0 24	2 37	1 35	21 3	1 17	3 19	0 44	19 26	0 4	10 16	16 50	18 6	18 5	12 21	14 2	2 4
T 26	13 19	20 22	1 35	2 41	2 13	26 0	5 30	19 19	0 24	2 35	1 35	21 4	1 17	3 18	0 44	19 26	0 4	10 16	16 50	18 7	18 6	12 19	14 3	2 4
F 27	13 38	18 51	0 24	2 42	2 22	25 56	5 27	19 30	0 25	2 32	1 35	21 5	1 17	3 17	0 44	19 26	0 4	10 15	16 50	18 7	18 7	12 17	14 5	2 4
S 28	13 58	16 10	0s50	2 45	2 30	25 51	5 23	19 41	0 26	2 30	1 35	21 6	1 17	3 16	0 44	19 25	0 4							

SWISS EPHEMERIS for the year 1590

MAY 1590 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	14 34 10	10♉ 9'00	1♃28	14♃39	1♃7	27♉56	9♃R39	13♂ 1	23♉36	3♂11	13♃21	8♃R35	8♂31	3♃50	14♉13	
W 2	14 38 7	11° 7'03	16° 0	15°24	0♂49	28°38	9♂33	13° 8	23°39	3°12	13°22	8♂26	8°28	3°57	14°18	
T 3	14 42 3	12° 5'04	0♉27	16°12	0°28	29°20	9°28	13°15	23°42	3°13	13°24	8°15	8°25	4° 3	14°22	
F 4	14 46 0	13° 3'04	14°42	17° 3	0° 5	0♂ 1	9°22	13°22	23°44	3°13	13°25	8° 3	8°22	4°10	14°26	
S 5	14 49 56	14° 1'02	28°40	17°58	29♉40	0°43	9°17	13°29	23°47	3°14	13°26	7°52	8°19	4°17	14°30	
S 6	14 53 53	14°58'59	12♂16	18°56	29°13	1°24	9°12	13°36	23°49	3°15	13°27	7°41	8°15	4°23	14°35	
M 7	14 57 49	15°56'54	25°29	19°57	28°44	2° 5	9° 7	13°44	23°51	3°15	13°29	7°33	8°12	4°30	14°39	
T 8	15 1 146	16°54'47	8♉17	21° 0	28°13	2°47	9° 2	13°51	23°54	3°16	13°30	7°28	8° 9	4°37	14°43	
W 9	15 5 42	17°52'39	20°45	22° 7	27°41	3°28	8°57	13°58	23°56	3°17	13°31	7°25	8° 6	4°43	14°48	
T 10	15 9 39	18°50'29	2♂56	23°17	27° 7	4° 9	8°53	14° 6	23°58	3°18	13°32	7°D24	8° 3	4°50	14°52	
F 11	15 13 36	19°48'17	14°53	24°29	26°32	4°51	8°48	14°13	24° 1	3°19	13°33	7°R24	7°59	4°57	14°56	
S 12	15 17 32	20°46'03	26°44	25°44	25°55	5°32	8°44	14°20	24° 3	3°19	13°35	7°24	7°56	5° 3	15° 1	
S 13	15 21 29	21°43'48	8♂33	27° 1	25°19	6°13	8°40	14°28	24° 5	3°20	13°36	7°23	7°53	5°10	15° 5	
M14	15 25 25	22°41'31	20°25	28°21	24°41	6°54	8°36	14°35	24° 7	3°21	13°37	7°20	7°50	5°17	15° 9	
T 15	15 29 22	23°39'12	2♂26	29°43	24° 3	7°35	8°32	14°43	24° 9	3°22	13°38	7°14	7°47	5°23	15°13	
W16	15 33 18	24°36'52	14°38	1♉ 8	23°26	8°16	8°29	14°50	24°12	3°23	13°39	7° 6	7°44	5°30	15°18	
T 17	15 37 15	25°34'30	27° 6	2°35	22°48	8°57	8°25	14°58	24°14	3°24	13°40	6°56	7°40	5°37	15°22	
F 18	15 41 11	26°32'07	9♂50	4° 5	22°11	9°38	8°22	15° 5	24°16	3°25	13°41	6°45	7°37	5°43	15°26	
S 19	15 45 8	27°29'42	22°51	5°37	21°34	10°19	8°19	15°13	24°18	3°27	13°43	6°33	7°34	5°50	15°30	
S 20	15 49 5	28°27'17	6♂ 7	7°11	20°58	11° 0	8°16	15°20	24°19	3°28	13°44	6°22	7°31	5°57	15°35	
M21	15 53 1	29°24'50	19°38	8°48	20°24	11°40	8°13	15°28	24°21	3°29	13°45	6°14	7°28	6° 3	15°39	
T 22	15 56 58	0♂22'22	3♂19	10°27	19°51	12°21	8°11	15°36	24°23	3°30	13°46	6° 7	7°25	6°10	15°43	
W23	16 0 54	1°19'54	17°10	12° 9	19°19	13° 2	8° 8	15°43	24°25	3°31	13°47	6° 3	7°21	6°17	15°47	
T 24	16 4 51	2°17'24	1♁ 7	13°52	18°49	13°43	8° 6	15°51	24°27	3°32	13°48	6°D 2	7°18	6°23	15°51	
F 25	16 8 47	3°14'54	15°10	15°39	18°21	14°23	8° 4	15°59	24°29	3°34	13°49	6° 2	7°15	6°30	15°56	
S 26	16 12 44	4°12'22	29°16	17°27	17°55	15° 4	8° 2	16° 7	24°30	3°35	13°50	6°R 3	7°12	6°37	16° 0	
S 27	16 16 40	5° 9'50	13♉25	19°18	17°31	15°44	8° 1	16°14	24°32	3°36	13°51	6° 3	7° 9	6°43	16° 4	
M28	16 20 37	6° 7'17	27°36	21°11	17° 9	16°25	7°59	16°22	24°33	3°38	13°52	6° 1	7° 5	6°50	16° 8	
T 29	16 24 34	7° 4'44	11♃46	23° 6	16°50	17° 5	7°58	16°30	24°35	3°39	13°53	5°57	7° 2	6°57	16°12	
W30	16 28 30	8° 2'10	25°53	25° 3	16°32	17°46	7°57	16°38	24°36	3°40	13°54	5°50	6°59	7° 3	16°16	
T 31	16 32 27	8♂59'35	9♉53	27♉ 3	16♉18	18♂26	7♂56	16♂45	24♉38	3♂42	13♃54	5♂42	6♂56	7♂10	16♂20	

Day	☉	☽	♀	♁	♂	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	14n54	3s 5	4s 1	3n10	2s51	25n28	5n 9	20n11	0n27	2s23	1n34	21n 9	1s16	3s13	0s44	19n25	0s 4	10s14	16s50	18n 9	18n10	12n11	14n 9	2s 5
W 2	15 12	2n 2	4 38	3 22	2 56	25 18	5 3	20 21	0 28	2 21	1 34	21 10	1 16	3 12	0 44	19 25	0 4	10 14	16 51	18 12	18 11	12 9	14 11	2 5
T 3	15 30	7 0	4 58	3 37	3 0	25 7	4 56	20 31	0 28	2 19	1 34	21 11	1 16	3 11	0 44	19 25	0 4	10 13	16 51	18 14	18 12	12 7	14 12	2 5
F 4	15 47	11 32	4 59	3 53	3 4	24 55	4 49	20 40	0 29	2 17	1 33	21 12	1 16	3 10	0 44	19 25	0 4	10 13	16 51	18 18	18 13	12 6	14 13	2 5
S 5	16 5 15	20 4	4 41	3 41	3 7	24 42	4 41	20 49	0 29	2 15	1 33	21 13	1 16	3 9	0 44	19 25	0 4	10 13	16 51	18 21	18 14	12 4	14 14	2 5
S 6	16 22	18 13	4 8	4 31	3 9	24 27	4 33	20 58	0 30	2 14	1 33	21 14	1 15	3 8	0 44	19 25	0 4	10 12	16 51	18 23	18 14	12 2	14 15	2 5
M 7	16 39	20 2	3 23	4 53	3 10	24 12	4 24	21 7	0 30	2 12	1 33	21 15	1 15	3 7	0 44	19 24	0 4	10 12	16 51	18 25	18 15	12 0	14 16	2 5
T 8	16 55	20 46	2 28	5 16	3 11	23 56	4 14	21 16	0 31	2 10	1 33	21 16	1 15	3 6	0 44	19 24	0 4	10 12	16 52	18 27	18 16	11 59	14 18	2 5
W 9	17 12	20 27	1 27	5 41	3 11	23 38	4 4	21 24	0 31	2 8	1 32	21 17	1 15	3 5	0 44	19 24	0 4	10 11	16 52	18 27	18 17	11 57	14 19	2 5
T 10	17 28	19 10	0 24	6 7	3 10	23 20	3 53	21 33	0 32	2 7	1 32	21 18	1 15	3 5	0 44	19 24	0 4	10 11	16 52	18 28	18 18	11 55	14 20	2 5
F 11	17 44	17 2	0n40	6 35	3 9	23 0	3 41	21 41	0 33	2 5	1 32	21 19	1 15	3 4	0 44	19 24	0 4	10 11	16 52	18 28	18 19	11 54	14 21	2 6
S 12	17 59	14 12	1 41	7 4	3 7	22 40	3 29	21 49	0 33	2 4	1 32	21 20	1 15	3 3	0 44	19 23	0 4	10 11	16 52	18 28	18 19	11 52	14 22	2 6
S 13	18 14	10 49	2 37	7 34	3 4	22 19	3 17	21 57	0 34	2 2	1 32	21 21	1 15	3 2	0 44	19 23	0 4	10 10	16 53	18 28	18 20	11 50	14 23	2 6
M14	18 29	6 59	3 27	8 6	3 1	21 57	3 4	22 4	0 34	2 1	1 31	21 22	1 14	3 1	0 44	19 23	0 4	10 10	16 53	18 29	18 21	11 48	14 25	2 6
T 15	18 44	2 50	4 9	8 38	2 57	21 35	2 51	22 11	0 35	2 0	1 31	21 23	1 14	3 0	0 44	19 23	0 4	10 10	16 53	18 30	18 22	11 47	14 26	2 6
W16	18 58	1s29	4 40	9 12	2 53	21 13	2 38	22 19	0 35	1 59	1 31	21 24	1 14	3 0	0 45	19 23	0 4	10 10	16 53	18 32	18 23	11 45	14 27	2 6
T 17	19 12	5 50	4 58	9 46	2 48	20 50	2 24	22 25	0 36	1 58	1 31	21 25	1 14	2 59	0 45	19 22	0 4	10 9	16 54	18 35	18 23	11 43	14 28	2 6
F 18	19 25	10 1	5 2	10 22	2 42	20 26	2 10	22 32	0 36	1 56	1 30	21 26	1 14	2 58	0 45	19 22	0 4	10 9	16 54	18 38	18 24	11 41	14 29	2 6
S 19	19 39	13 51	4 50	10 58	2 36	20 3	1 56	22 39	0 37	1 55	1 30	21 27	1 14	2 57	0 45	19 22	0 4	10 9	16 54	18 41	18 25	11 40	14 30	2 6
S 20	19 52	17 3	3 43	11 35	2 29	19 40	1 41	22 45	0 37	1 55	1 30	21 28	1 14	2 57	0 45	19 22	0 4	10 9	16 54	18 43	18 26	11 38	14 31	2 6
M21	20 4 19	25 3	4 41	12 13	2 22	19 17	1 27	22 51	0 37	1 54	1 30	21 29	1 14	2 56	0 45	19 21	0 4	10 9	16 55	18 45	18 27	11 36	14 32	2 7
T 22	20 16	20 42	2 45	12 51	2 15	18 54	1 13	22 57	0 38	1 53	1 29	21 30	1 14	2 55	0 45	19 21	0 4	10 9	16 55	18 47	18 28	11 34	14 33	2 7
W23	20 28	20 45	1 39	13 30	2 7	18 32	0 59	23 3	0 38	1 52	1 29	21 30	1 13	2 54	0 45	19 21	0 4	10 8	16 55	18 48	18 28	11 33	14 35	2 7
T 24	20 40	19 32	0 26	14 10	1 58	18 10	0 45	23 8	0 39	1 52	1 29	21 31	1 13	2 54	0 45	19 21	0 4	10 8	16 55	18 48	18 29	11 31	14 36	2 7
F 25	20 51	17 6	0s49	14 49	1 49	17 49	0 31	23 14	0 39	1 51	1 29	21 32	1 13	2 53	0 45	19 20	0 4	10 8	16 56	18 48	18 30	11 29	14 37	2 7
S 26	21 2 13	38 2	1 15	29 1 40	1 40	17 29	0 17	23 19	0 40	1 51	1 28	21 33	1 13	2 52	0 45	19 20	0 4	10 8	16 56	18 48	18 31	11 27	14 38	2 7
S 27	21 12	9 23	3 6	16 8	1 30	17 9	0 3	23 24	0 40	1 50	1 28	21 34	1 13	2 52	0 45	19 20	0 4	10 8	16 56	18 48	18 32	11 26	14 39	2 7
M28	21 23	4 37	4 0	16 48	1 20	16 50	0s10	23 28	0 41	1 50	1 28	21 35	1 13	2 51	0 45	19 19	0 4	10 8	16 56	18 49	18 32	11 24	14 40	2 7
T 29	21 32	0n23	4 39	17 28	1 10																			

SWISS EPHEMERIS for the year 1590

JUNE 1590 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏
F 1	16 36 23	9II56'59	23♁43	29♁ 5	16°R 5	19II 7	7°R55	16II53	24✠39	3♁43	13♁55	5°R33	6♁53	7♁17	16♁24				
S 2	16 40 20	10°54'23	7II18	1II 8	15♁55	19°47	7♁54	17° 1	24°41	3°45	13°56	5♁24	6°50	7°23	16°28				
S 3	16 44 16	11°51'46	20°37	3°13	15°47	20°27	7°54	17° 9	24°42	3°46	13°57	5°16	6°46	7°30	16°32				
M 4	16 48 13	12°49'08	3♁36	5°20	15°42	21° 8	7°54	17°17	24°43	3°48	13°58	5°10	6°43	7°37	16°36				
T 5	16 52 9	13°46'29	16°17	7°29	15°39	21°48	7°D54	17°24	24°45	3°49	13°59	5° 6	6°40	7°43	16°40				
W 6	16 56 6	14°43'49	28°40	9°38	15°D39	22°28	7°54	17°32	24°46	3°51	14° 0	5° 4	6°37	7°50	16°44				
T 7	17 0 3	15°41'09	10♁49	11°49	15°40	23° 8	7°54	17°40	24°47	3°53	14° 0	5°D 4	6°34	7°57	16°48				
F 8	17 3 59	16°38'27	22°46	14° 0	15°45	23°48	7°54	17°48	24°48	3°54	14° 1	5° 5	6°31	8° 3	16°52				
S 9	17 7 56	17°35'45	4♁37	16°12	15°51	24°28	7°55	17°56	24°49	3°56	14° 2	5° 6	6°27	8°10	16°56				
S 10	17 11 52	18°33'01	16°27	18°23	15°59	25° 8	7°56	18° 4	24°50	3°58	14° 3	5°R 7	6°24	8°17	17° 0				
M11	17 15 49	19°30'17	28°21	20°35	16°10	25°49	7°57	18°11	24°51	3°59	14° 3	5° 7	6°21	8°23	17° 3				
T 12	17 19 45	20°27'32	10♁23	22°47	16°22	26°28	7°58	18°19	24°52	4° 1	14° 4	5° 5	6°18	8°30	17° 7				
W13	17 23 42	21°24'46	22°39	24°57	16°37	27° 8	8° 0	18°27	24°53	4° 3	14° 5	5° 1	6°15	8°37	17°11				
T 14	17 27 38	22°22'00	5♁12	27° 7	16°53	27°48	8° 1	18°35	24°54	4° 4	14° 5	4°55	6°11	8°43	17°15				
F 15	17 31 35	23°19'12	18° 5	29°16	17°12	28°28	8° 3	18°43	24°54	4° 6	14° 6	4°49	6° 8	8°50	17°18				
S 16	17 35 32	24°16'25	1♁18	1♁24	17°32	29° 8	8° 5	18°51	24°55	4° 8	14° 7	4°42	6° 5	8°57	17°22				
S 17	17 39 28	25°13'37	14°51	3°30	17°54	29°48	8° 7	18°58	24°56	4°10	14° 7	4°36	6° 2	9° 3	17°26				
M18	17 43 25	26°10'48	28°43	5°34	18°18	0♁28	8° 9	19° 6	24°56	4°12	14° 8	4°31	5°59	9°10	17°29				
T 19	17 47 21	27° 7'59	12♁49	7°37	18°43	1° 7	8°12	19°14	24°57	4°13	14° 8	4°28	5°56	9°17	17°33				
W20	17 51 18	28° 5'10	27° 5	9°38	19°10	1°47	8°14	19°22	24°57	4°15	14° 9	4°26	5°52	9°23	17°36				
T 21	17 55 14	29° 2'21	11♁27	11°37	19°38	2°27	8°17	19°30	24°58	4°17	14° 9	4°D26	5°49	9°30	17°40				
F 22	17 59 11	29°59'32	25°50	13°34	20° 8	3° 7	8°20	19°37	24°58	4°19	14°10	4°27	5°46	9°37	17°43				
S 23	18 3 8	0♁56'42	10♁10	15°29	20°40	3°46	8°23	19°45	24°59	4°21	14°10	4°28	5°43	9°43	17°47				
S 24	18 7 4	1°53'53	24°26	17°23	21°12	4°26	8°26	19°53	24°59	4°23	14°11	4°29	5°40	9°50	17°50				
M25	18 11 1	2°51'04	8♁34	19°14	21°46	5° 5	8°30	20° 1	24°59	4°25	14°11	4°R29	5°36	9°57	17°54				
T 26	18 14 57	3°48'15	22°32	21° 2	22°22	5°45	8°33	20° 8	25° 0	4°27	14°12	4°28	5°33	10° 3	17°57				
W27	18 18 54	4°45'27	6♁21	22°49	22°58	6°24	8°37	20°16	25° 0	4°29	14°12	4°26	5°30	10°10	18° 0				
T 28	18 22 50	5°42'39	19°58	24°34	23°36	7° 4	8°41	20°24	25° 0	4°31	14°12	4°22	5°27	10°17	18° 4				
F 29	18 26 47	6°39'51	3II22	26°17	24°15	7°43	8°45	20°31	25° 0	4°33	14°13	4°18	5°24	10°23	18° 7				
S 30	18 30 43	7♁37'03	16II32	27♁57	24♁55	8♁23	8♁49	20II39	25°R 0	4♁35	14♁13	4♁14	5♁21	10♁30	18♁10				

Day	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏						
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat					
F 1	21n59	14n 3	4s50	19n23	0s38	15n45	0s59	23n45	0n43	1s49	1n27	21n38	1s13	2s49	0s45	19n18	0s 4	10s 7	16s57	18n55	18n36	11n17	14n44	2s 8
S 2	22 8	17 18	4 20	19 59	0 27	15 31	1 10	23 49	0 43	1 49	1 27	21 39	1 12	2 48	0 45	19 18	0 4	10 7	16 58	18 58	18 36	11 15	14 45	2 8
S 3	22 16	19 34	3 35	20 35	0 16	15 18	1 21	23 52	0 43	1 49	1 26	21 40	1 12	2 48	0 45	19 17	0 4	10 7	16 58	19 0	18 37	11 13	14 46	2 8
M 4	22 23	20 46	2 41	21 9	0 5	15 7	1 32	23 55	0 44	1 49	1 26	21 41	1 12	2 48	0 45	19 17	0 4	10 7	16 58	19 1	18 38	11 11	14 47	2 8
T 5	22 30	20 51	1 39	21 42	0n 5	14 56	1 42	23 58	0 44	1 50	1 26	21 42	1 12	2 47	0 45	19 17	0 4	10 7	16 59	19 2	18 39	11 9	14 48	2 9
W 6	22 37	19 55	0 34	22 12	0 16	14 47	1 51	24 1	0 45	1 50	1 25	21 43	1 12	2 47	0 45	19 16	0 4	10 7	16 59	19 2	18 40	11 8	14 49	2 9
T 7	22 43	18 3	0n31	22 41	0 26	14 39	2 1	24 4	0 45	1 50	1 25	21 43	1 12	2 46	0 45	19 16	0 4	10 7	16 59	19 2	18 40	11 6	14 50	2 9
F 8	22 49	15 26	1 34	23 8	0 36	14 31	2 9	24 6	0 46	1 51	1 25	21 44	1 12	2 46	0 45	19 16	0 4	10 7	17 0	19 2	18 41	11 4	14 51	2 9
S 9	22 55	12 12	2 33	23 32	0 46	14 25	2 18	24 8	0 46	1 51	1 25	21 45	1 12	2 45	0 45	19 15	0 4	10 7	17 0	19 2	18 42	11 2	14 52	2 9
S 10	23 0	8 30	3 25	23 54	0 55	14 20	2 26	24 10	0 46	1 52	1 24	21 46	1 12	2 45	0 45	19 15	0 4	10 7	17 0	19 2	18 43	11 0	14 53	2 9
M11	23 4	4 27	4 8	24 13	1 4	14 16	2 33	24 12	0 47	1 52	1 24	21 46	1 12	2 45	0 45	19 15	0 4	10 7	17 1	19 2	18 44	10 59	14 54	2 10
T 12	23 9	0 12	4 41	24 30	1 12	14 10	2 40	24 14	0 47	1 53	1 24	21 47	1 12	2 44	0 45	19 14	0 4	10 7	17 1	19 2	18 44	10 57	14 55	2 10
W13	23 13	4s 9	5 2	24 43	1 20	14 10	2 47	24 15	0 48	1 54	1 24	21 48	1 12	2 44	0 45	19 14	0 4	10 7	17 1	19 2	18 45	10 55	14 55	2 10
T 14	23 16	8 25	5 9	24 54	1 27	14 9	2 53	24 16	0 48	1 55	1 23	21 49	1 12	2 44	0 45	19 13	0 4	10 7	17 2	19 2	18 46	10 53	14 56	2 10
F 15	23 19	12 25	5 1	25 2	1 33	14 8	2 59	24 17	0 48	1 56	1 23	21 49	1 11	2 43	0 46	19 13	0 4	10 7	17 2	19 2	18 47	10 51	14 57	2 10
S 16	23 22	15 56	4 37	25 7	1 38	14 8	3 5	24 18	0 49	1 57	1 23	21 50	1 11	2 43	0 46	19 13	0 4	10 7	17 2	19 2	18 48	10 49	14 58	2 10
S 17	23 24	18 42	3 57	25 10	1 43	14 9	3 10	24 19	0 49	1 58	1 22	21 51	1 11	2 43	0 46	19 12	0 3	10 8	17 3	19 2	18 48	10 48	14 59	2 11
M18	23 26	20 27	3 2	25 9	1 47	14 11	3 15	24 19	0 50	1 59	1 22	21 52	1 11	2 43	0 46	19 12	0 3	10 8	17 3	19 10	18 49	10 46	15 0	2 11
T 19	23 28	20 58	1 55	25 6	1 50	14 14	3 20	24 19	0 50	2 0	1 22	21 52	1 11	2 43	0 46	19 11	0 3	10 8	17 3	19 11	18 50	10 44	15 1	2 11
W20	23 29	20 8	0 40	25 1	1 53	14 17	3 24	24 19	0 50	2 1	1 22	21 53	1 11	2 42	0 46	19 11	0 3	10 8	17 4	19 12	18 51	10 42	15 1	2 11
T 21	23 29	18 0	0s38	24 53	1 54	14 21	3 28	24 19	0 51	2 3	1 21	21 54	1 11	2 42	0 46	19 10	0 3	10 8	17 4	19 12	18 51	10 40	15 2	2 11
F 22	23 29	14 44	1 54	24 43	1 56	14 25	3 32	24 18	0 51	2 4	1 21	21 54	1 11	2 42	0 46	19 10	0 3	10 8	17 4	19 11	18 52	10 38	15 3	2 11
S 23	23 29	10 35	3 3	24 30	1 56	14 30	3 35	24 18	0 51	2 6	1 21	21 55	1 11	2 42	0 46	19 10	0 3	10 8	17 5	19 11	18 53	10 37	15 4	2 12
S 24	23 29	5 53	4 0	24 16	1 56	14 36	3 38	24 17	0 52	2 7	1 21	21 56	1 11	2 42	0 46	19 9	0 3	10 8	17 5	19 11	18 54	10 35	15 5	2 12
M25	23 28	0 55	4 42	24 0	1 55	14 42	3 41	24 16	0 52	2 9	1 20	21 56	1 11	2 42	0 46	19 9	0 3	10 9	17 5	19 11	18 55	10 33	15 5	2 12
T 26	23 26	4n 3	5 6	23 42	1 53	14 48	3 43	24 14	0 53	2 10	1 20	21 57	1 11	2 42	0 46	19 8	0 3	10 9	17 6	19 11	18 55	10 31	15 6	2 12
W27	23 24	8 44	5 13	23 22	1 51	14 55	3 45	24 13	0 53	2 12	1 20	21 57	1 11	2 42	0 46	19 8	0 3	10 9	17 6	19 12	18 56	10 29	15 7	2 12
T 28	23 22	12 56	5 1	23 1	1 48	15 3	3 47	24 11	0 53	2 14	1 20	21 58	1 11	2 42	0 46	19 7	0 3	10 9	17 6	19 13	18 57	10 27	15 8	2 13
F 29</																								

SWISS EPHEMERIS for the year 1590

JULY 1590 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	18 34 40	8 ⁵³ 34'15	29 ^{II} 28	29 ⁵³ 36	25 ⁸ 36	9 ⁵ 2	8 ⁵⁴ 54	20 ^{II} 46	25 ^R 0	4 ^U 37	14 ^Y 13	4 ^R 10	5 ^U 17	10 ^m 37	18 ⁸ 13
M 2	18 38 37	9 ³¹ 31'28	12 ⁵ 10	1 ^U 12	26 ¹⁸	9 ⁴¹	8 ⁵⁸	20 ⁵⁴	25 ^H 0	4 ³⁹	14 ¹⁴	4 ^U 8	5 ¹⁴	10 ⁴³	18 ¹⁶
T 3	18 42 33	10 ²⁸ 40	24 ³⁷	2 ⁴⁶	27 ¹	10 ²¹	9 ³	21 ²	25 ⁰	4 ⁴¹	14 ¹⁴	4 ⁶	5 ¹¹	10 ⁵⁰	18 ¹⁹
W 4	18 46 30	11 ²⁵ 53	6 ^U 51	4 ¹⁸	27 ⁴⁵	11 ⁰	9 ⁸	21 ⁹	25 ⁰	4 ⁴³	14 ¹⁴	4 ^D 6	5 ⁸	10 ⁵⁷	18 ²²
T 5	18 50 26	12 ²³ 06	18 ⁵⁴	5 ⁴⁸	28 ³⁰	11 ³⁹	9 ¹³	21 ¹⁷	24 ⁵⁹	4 ⁴⁵	14 ¹⁴	4 ⁶	5 ⁵	11 ³	18 ²⁵
F 6	18 54 23	13 ²⁰ 19	0 ^m 49	7 ¹⁶	29 ¹⁵	12 ¹⁹	9 ¹⁸	21 ²⁴	24 ⁵⁹	4 ⁴⁷	14 ¹⁵	4 ⁸	5 ²	11 ¹⁰	18 ²⁸
S 7	18 58 19	14 ¹⁷ 31	12 ³⁹	8 ⁴²	0 ^{II} 2	12 ⁵⁸	9 ²³	21 ³²	24 ⁵⁹	4 ⁴⁹	14 ¹⁵	4 ⁹	4 ⁵⁸	11 ¹⁷	18 ³¹
S 8	19 2 16	15 ¹⁴ 44	24 ²⁹	10 ⁵	0 ⁴⁹	13 ³⁷	9 ²⁹	21 ³⁹	24 ⁵⁹	4 ⁵¹	14 ¹⁵	4 ¹¹	4 ⁵⁵	11 ²³	18 ³⁴
M 9	19 6 12	16 ¹¹ 57	6 ⁴ 22	11 ²⁶	1 ³⁷	14 ¹⁶	9 ³⁵	21 ⁴⁶	24 ⁵⁸	4 ⁵³	14 ¹⁵	4 ¹²	4 ⁵²	11 ³⁰	18 ³⁷
T 10	19 10 9	17 ⁹ 10	18 ²⁴	12 ⁴⁵	2 ²⁵	14 ⁵⁵	9 ⁴⁰	21 ⁵⁴	24 ⁵⁸	4 ⁵⁶	14 ¹⁵	4 ^R 12	4 ⁴⁹	11 ³⁷	18 ³⁹
W 11	19 14 6	18 ⁶ 23	0 ^m 39	14 ¹	3 ¹⁵	15 ³⁵	9 ⁴⁶	22 ¹	24 ⁵⁷	4 ⁵⁸	14 ¹⁵	4 ¹²	4 ⁴⁶	11 ⁴³	18 ⁴²
T 12	19 18 2	19 ³ 37	13 ¹²	15 ¹⁵	4 ⁵	16 ¹⁴	9 ⁵²	22 ⁸	24 ⁵⁷	5 ⁰	14 ¹⁵	4 ¹⁰	4 ⁴²	11 ⁵⁰	18 ⁴⁵
F 13	19 21 59	20 ⁰ 50	26 ⁶	16 ²⁷	4 ⁵⁶	16 ⁵³	9 ⁵⁸	22 ¹⁶	24 ⁵⁶	5 ²	14 ¹⁵	4 ⁹	4 ³⁹	11 ⁵⁷	18 ⁴⁷
S 14	19 25 55	20 ⁵⁸ 04	9 ⁴ 23	17 ³⁶	5 ⁴⁷	17 ³²	10 ⁵	22 ²³	24 ⁵⁵	5 ⁴	14 ¹⁵	4 ⁷	4 ³⁶	12 ³	18 ⁵⁰
S 15	19 29 52	21 ⁵⁵ 18	23 ⁵	18 ⁴³	6 ³⁹	18 ¹¹	10 ¹¹	22 ³⁰	24 ⁵⁵	5 ⁶	14 ^R 15	4 ⁶	4 ³³	12 ¹⁰	18 ⁵²
M 16	19 33 48	22 ⁵² 33	7 ³ 10	19 ⁴⁷	7 ³²	18 ⁵⁰	10 ¹⁸	22 ³⁷	24 ⁵⁴	5 ⁹	14 ¹⁵	4 ⁴	4 ³⁰	12 ¹⁷	18 ⁵⁵
T 17	19 37 45	23 ⁴⁹ 48	21 ³⁵	20 ⁴⁸	8 ²⁵	19 ²⁹	10 ²⁵	22 ⁴⁴	24 ⁵³	5 ¹¹	14 ¹⁵	4 ⁴	4 ²⁷	12 ²³	18 ⁵⁷
W 18	19 41 41	24 ⁴⁷ 04	6 ^m 14	21 ⁴⁶	9 ¹⁹	20 ⁸	10 ³²	22 ⁵²	24 ⁵³	5 ¹³	14 ¹⁵	4 ^D 4	4 ²³	12 ³⁰	18 ⁵⁹
T 19	19 45 38	25 ⁴⁴ 20	21 ¹	22 ⁴¹	10 ¹³	20 ⁴⁶	10 ³⁹	22 ⁵⁹	24 ⁵²	5 ¹⁵	14 ¹⁵	4 ⁴	4 ²⁰	12 ³⁷	19 ²
F 20	19 49 35	26 ⁴¹ 37	5 ^H 49	23 ³³	11 ⁸	21 ²⁵	10 ⁴⁶	23 ⁶	24 ⁵¹	5 ¹⁷	14 ¹⁵	4 ⁴	4 ¹⁷	12 ⁴³	19 ⁴
S 21	19 53 31	27 ³⁸ 55	20 ³¹	24 ²²	12 ³	22 ⁴	10 ⁵³	23 ¹³	24 ⁵⁰	5 ²⁰	14 ¹⁵	4 ⁵	4 ¹⁴	12 ⁵⁰	19 ⁶
S 22	19 57 28	28 ³⁶ 14	5 ^Y 1	25 ⁷	12 ⁵⁹	22 ⁴³	11 ⁰	23 ¹⁹	24 ⁴⁹	5 ²²	14 ¹⁵	4 ⁵	4 ¹¹	12 ⁵⁷	19 ⁸
M 23	20 1 24	29 ³³ 34	19 ¹⁷	25 ⁴⁹	13 ⁵⁵	23 ²²	11 ⁸	23 ²⁶	24 ⁴⁸	5 ²⁴	14 ¹⁵	4 ⁶	4 ⁸	13 ³	19 ¹⁰
T 24	20 5 21	0 ^U 30'55	3 ^U 15	26 ²⁷	14 ⁵²	24 ¹	11 ¹⁶	23 ³³	24 ⁴⁷	5 ²⁶	14 ¹⁵	4 ^R 6	4 ⁴	13 ¹⁰	19 ¹²
W 25	20 9 17	1 ²⁸ 18	16 ⁵⁴	27 ¹	15 ⁵⁰	24 ³⁹	11 ²³	23 ⁴⁰	24 ⁴⁶	5 ²⁸	14 ¹⁴	4 ⁶	4 ¹	13 ¹⁷	19 ¹⁴
T 26	20 13 14	2 ²⁵ 41	0 ^{II} 16	27 ³¹	16 ⁴⁷	25 ¹⁸	11 ³¹	23 ⁴⁷	24 ⁴⁴	5 ³¹	14 ¹⁴	4 ⁵	3 ⁵⁸	13 ²⁴	19 ¹⁶
F 27	20 17 10	3 ²³ 06	13 ²¹	27 ⁵⁷	17 ⁴⁵	25 ⁵⁷	11 ³⁹	23 ⁵³	24 ⁴³	5 ³³	14 ¹⁴	4 ⁵	3 ⁵⁵	13 ³⁰	19 ¹⁸
S 28	20 21 7	4 ²⁰ 32	26 ¹⁰	28 ¹⁸	18 ⁴⁴	26 ³⁶	11 ⁴⁷	24 ⁰	24 ⁴²	5 ³⁵	14 ¹⁴	4 ^D 5	3 ⁵²	13 ³⁷	19 ²⁰
S 29	20 25 4	5 ¹⁷ 58	8 ⁵ 45	28 ³⁵	19 ⁴³	27 ¹⁴	11 ⁵⁶	24 ⁷	24 ⁴¹	5 ³⁷	14 ¹³	4 ⁵	3 ⁴⁸	13 ⁴⁴	19 ²²
M 30	20 29 0	6 ¹⁵ 26	21 ⁹	28 ⁴⁷	20 ⁴²	27 ⁵³	12 ⁴	24 ¹³	24 ³⁹	5 ⁴⁰	14 ¹³	4 ⁶	3 ⁴⁵	13 ⁵⁰	19 ²³
T 31	20 32 57	7 ^U 12'56	3 ^U 21	28 ^U 54	21 ^{II} 42	28 ⁵³ 2	12 ^U 12	24 ^{II} 20	24 ^H 38	5 ^U 42	14 ^Y 13	4 ^R 6	3 ^U 42	13 ^m 57	19 ^U 25

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	23n13	20n30	2s59	21n50	1n35	15n27	3s51	24n 5	0n54	2s20	1n19	22n 0	1s11	2s42	0s46	19n 6	0s 3	10s10	17s 7	19n15	18n59	10n22	15n10	2s13
M 2	23 9 20	59 1 58	21 24	1 30	15 36	3 52	24 3	0 55	2 22	1 19	22 0	1 11	2 42	0 46	19 5	0 3	10 10	17 8	19 16	19 0	10 20	15 10	2 13	
T 3	23 5 20	24 0 52	20 57	1 24	15 45	3 53	24 0	0 55	2 24	1 18	22 1	1 11	2 42	0 46	19 5	0 3	10 10	17 8	19 16	19 1	10 18	15 11	2 13	
W 4	23 0 18	51 0n15	20 29	1 18	15 54	3 54	23 57	0 55	2 26	1 18	22 1	1 10	2 42	0 46	19 4	0 3	10 10	17 8	19 16	19 2	10 16	15 12	2 14	
T 5	22 55 16	28 1 21	20 0	1 11	16 4	3 54	23 54	0 56	2 28	1 18	22 2	1 10	2 42	0 46	19 4	0 3	10 11	17 9	19 16	19 2	10 14	15 12	2 14	
F 6	22 49 13	25 2 22	19 31	1 4	16 13	3 54	23 51	0 56	2 30	1 18	22 2	1 10	2 42	0 46	19 3	0 3	10 11	17 9	19 16	19 3	10 12	15 13	2 14	
S 7	22 43 9	51 3 17	19 1	0 56	16 23	3 54	23 48	0 56	2 33	1 17	22 3	1 10	2 42	0 46	19 3	0 3	10 11	17 10	19 16	19 4	10 10	15 13	2 14	
S 8	22 37 5	55 4 4	18 31	0 48	16 33	3 54	23 44	0 57	2 35	1 17	22 3	1 10	2 43	0 46	19 2	0 3	10 11	17 10	19 15	19 5	10 8	15 14	2 15	
M 9	22 30 1	45 4 40	18 1	0 39	16 43	3 54	23 40	0 57	2 37	1 17	22 4	1 10	2 43	0 46	19 2	0 3	10 12	17 10	19 15	19 5	10 6	15 14	2 15	
T 10	22 23 2	32 5 4	17 30	0 30	16 53	3 53	23 36	0 57	2 40	1 17	22 4	1 10	2 43	0 46	19 1	0 3	10 12	17 11	19 15	19 6	10 5	15 15	2 15	
W 11	22 16 6	48 5 16	16 59	0 21	17 3	3 52	23 32	0 58	2 43	1 16	22 5	1 10	2 43	0 46	19 1	0 3	10 12	17 11	19 15	19 7	10 3	15 16	2 15	
T 12	22 8 10	52 5 12	16 28	0 11	17 13	3 52	23 28	0 58	2 45	1 16	22 5	1 10	2 43	0 46	19 0	0 3	10 13	17 11	19 15	19 8	10 1	15 16	2 15	
F 13	22 0 14	34 4 54	15 57	0 1	17 23	3 51	23 23	0 58	2 48	1 16	22 6	1 10	2 44	0 47	19 0	0 3	10 13	17 12	19 16	19 8	9 59	15 17	2 16	
S 14	21 51 17	39 4 19	15 26	0s10	17 33	3 49	23 18	0 59	2 50	1 16	22 6	1 10	2 44	0 47	18 59	0 3	10 13	17 12	19 16	19 9	9 57	15 17	2 16	
S 15	21 42 19	51 3 28	14 55	0 21	17 43	3 48	23 14	0 59	2 53	1 15	22 7	1 10	2 44	0 47	18 59	0 3	10 14	17 12	19 16	19 10	9 55	15 17	2 16	
M 16	21 33 20	54 2 24	14 25	0 32	17 53	3 46	23 9	0 59	2 56	1 15	22 7	1 10	2 45	0 47	18 58	0 3	10 14	17 13	19 17	19 11	9 53	15 18	2 16	
T 17	21 23 20	38 1 9	13 55	0 43	18 3	3 45	23 3	1 0	2 59	1 15	22 7	1 10	2 45	0 47	18 58	0 3	10 14	17 13	19 17	19 11	9 51	15 18	2 16	
W 18	21 13 18	57 0s12	13 25	0 55	18 13	3 43	22 58	1 0	3 2	1 15	22 8	1 10	2 45	0 47	18 57	0 3	10 15	17 13	19 17	19 12	9 49	15 19	2 17	
T 19	21 3 15	59 1 33	12 56	1 7	18 23	3 41	22 52	1 0	3 5	1 14	22 8	1 10	2 46	0 47	18 57	0 3	10 15	17 14	19 17	19 13	9 47	15 19	2 17	
F 20	20 52 11	59 2 47	12 27	1 19	18 32	3 39	22 47	1 0	3 8	1 14	22 9	1 10	2 46	0 47	18 56	0 3	10 15	17 14	19 17	19 14	9 45	15 20	2 17	
S 21	20 41 7	18 3 50	12 0	1 31	18 42	3 37	22 41	1 1	3 11	1 14	22 9	1 10	2 46	0 47	18 56	0 3	10 16	17 15	19 17	19 15	9 43	15 20	2 17	
S 22																								

SWISS EPHEMERIS for the year 1590

AUGUST 1590 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♆	♇	♁	♂	♄
W 1	20 36 53	8♂10'26	15♂24	28°R55	22♂42	29♂10	12♂21	24♂26	24°R37	5♂44	14°R12	4°R 6	3♂39	14♂4	19♂26
T 2	20 40 50	9° 7'57	27°21	28♂52	23°42	29°49	12°30	24°32	24°R35	5°46	14°R12	4♂ 5	3°36	14°10	19°28
F 3	20 44 46	10° 5'29	9♂12	28°43	24°43	0♂28	12°39	24°39	24°R34	5°48	14°12	4° 5	3°33	14°17	19°29
S 4	20 48 43	11° 3'02	21° 1	28°29	25°44	1° 6	12°47	24°45	24°R32	5°51	14°11	4° 4	3°29	14°24	19°31
S 5	20 52 39	12° 0'36	2♂51	28° 9	26°45	1°45	12°56	24°51	24°R31	5°53	14°11	4° 3	3°26	14°30	19°32
M 6	20 56 36	12°58'11	14°44	27°44	27°46	2°23	13° 6	24°57	24°R29	5°55	14°10	4° 2	3°23	14°37	19°33
T 7	21 0 33	13°55'47	26°46	27°14	28°48	3° 2	13°15	25° 3	24°R27	5°57	14°10	4° 1	3°20	14°44	19°35
W 8	21 4 29	14°53'24	8♂59	26°39	29°51	3°40	13°24	25° 9	24°R26	6° 0	14° 9	4° 0	3°17	14°50	19°36
T 9	21 8 26	15°51'01	21°28	26° 0	0♂53	4°19	13°34	25°15	24°R24	6° 2	14° 9	4°D 0	3°14	14°57	19°37
F 10	21 12 22	16°48'40	4♂18	25°17	1°56	4°57	13°43	25°21	24°R22	6° 4	14° 8	4° 1	3°10	15° 4	19°38
S 11	21 16 19	17°46'20	17°32	24°30	2°59	5°35	13°53	25°27	24°R21	6° 6	14° 8	4° 2	3° 7	15°10	19°39
S 12	21 20 15	18°44'02	1♂11	23°41	4° 2	6°14	14° 3	25°33	24°R19	6° 8	14° 7	4° 3	3° 4	15°17	19°40
MI3	21 24 12	19°41'44	15°17	22°49	5° 6	6°52	14°12	25°38	24°R17	6°10	14° 7	4° 4	3° 1	15°24	19°41
T 14	21 28 8	20°39'27	29°48	21°57	6°10	7°31	14°22	25°44	24°R15	6°13	14° 6	4°R 4	2°58	15°30	19°41
W15	21 32 5	21°37'12	14♂40	21° 5	7°14	8° 9	14°32	25°50	24°R13	6°15	14° 5	4° 4	2°54	15°37	19°42
T 16	21 36 2	22°34'58	29°44	20°15	8°18	8°47	14°42	25°55	24°R11	6°17	14° 5	4° 3	2°51	15°44	19°43
F 17	21 39 58	23°32'46	14♂53	19°26	9°22	9°26	14°53	26° 0	24°R 9	6°19	14° 4	4° 1	2°48	15°50	19°43
S 18	21 43 55	24°30'35	29°57	18°41	10°27	10° 4	15° 3	26° 6	24°R 7	6°21	14° 3	3°59	2°45	15°57	19°44
S 19	21 47 51	25°28'25	14°R47	18° 0	11°32	10°42	15°13	26°11	24°R 5	6°23	14° 3	3°56	2°42	16° 4	19°44
M20	21 51 48	26°26'18	29°17	17°24	12°38	11°20	15°24	26°16	24°R 3	6°26	14° 2	3°54	2°39	16°10	19°45
T 21	21 55 44	27°24'12	13♂23	16°54	13°43	11°59	15°34	26°21	24°R 1	6°28	14° 1	3°52	2°35	16°17	19°45
W22	21 59 41	28°22'09	27° 4	16°31	14°49	12°37	15°45	26°26	23°R59	6°30	14° 0	3°D51	2°32	16°24	19°45
T 23	22 3 37	29°20'07	10♂20	16°16	15°55	13°15	15°55	26°31	23°R57	6°32	14° 0	3°52	2°29	16°31	19°46
F 24	22 7 34	0♂18'07	23°14	16°D 8	17° 1	13°53	16° 6	26°36	23°R55	6°34	13°59	3°53	2°26	16°37	19°46
S 25	22 11 31	1°16'09	5♂50	16° 8	18° 7	14°31	16°17	26°41	23°R53	6°36	13°58	3°55	2°23	16°44	19°46
S 26	22 15 27	2°14'13	18°11	16°17	19°14	15°10	16°28	26°46	23°R51	6°38	13°57	3°56	2°20	16°51	19°R46
M27	22 19 24	3°12'19	0♂20	16°34	20°20	15°48	16°39	26°50	23°R48	6°40	13°57	3°R57	2°16	16°57	19°46
T 28	22 23 20	4°10'26	12°21	16°59	21°27	16°26	16°50	26°55	23°R46	6°42	13°56	3°57	2°13	17° 4	19°46
W29	22 27 17	5° 8'36	24°15	17°33	22°34	17° 4	17° 1	26°59	23°R44	6°44	13°55	3°55	2°10	17°11	19°46
T 30	22 31 13	6° 6'47	6♂ 6	18°15	23°41	17°42	17°12	27° 4	23°R42	6°46	13°54	3°52	2° 7	17°17	19°45
F 31	22 35 10	7♂ 5'00	17♂56	19♂ 5	24♂49	18♂20	17♂24	27♂ 8	23♂39	6♂48	13♂53	3♂47	2♂ 4	17♂24	19♂45

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♆	♇	♁	♂	♄										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	18n16	17n15	1n 2	8n20	3s46	20n11	3s 7	21n24	1n 4	3s47	1n12	22n12	1s10	2s52	0s47	18n50	0s 3	10s20	17s18	19n16	19n23	9n22	15n23	2s20
T 2	18 1 14 23	2 6	8 11	3 57	20 17	3 4	21 17	1 4	3 51	1 12	22 13	1 10	2 53	0 47	18 49	0 3	10 21	17 19	19 17	19 23	9 20	15 23	2 20	
F 3	17 45 10 57	3 3	8 5	4 7	20 23	3 0	21 9	1 4	3 55	1 11	22 13	1 10	2 53	0 47	18 49	0 3	10 21	17 19	19 17	19 24	9 18	15 23	2 20	
S 4	17 30 7 7	3 52	8 1	4 16	20 29	2 57	21 0	1 5	3 58	1 11	22 13	1 10	2 54	0 47	18 48	0 3	10 22	17 19	19 17	19 25	9 16	15 23	2 21	
S 5	17 14 3 1	4 31	8 0	4 24	20 34	2 53	20 52	1 5	4 2	1 11	22 13	1 10	2 54	0 47	18 48	0 3	10 22	17 20	19 17	19 26	9 14	15 24	2 21	
M 6	16 57 1s13	4 59	8 2	4 31	20 39	2 50	20 44	1 5	4 6	1 11	22 14	1 10	2 55	0 47	18 47	0 3	10 22	17 20	19 17	19 26	9 12	15 24	2 21	
T 7	16 41 5 27	5 14	8 7	4 37	20 43	2 46	20 35	1 5	4 9	1 11	22 14	1 10	2 56	0 47	18 47	0 3	10 23	17 20	19 18	19 27	9 10	15 24	2 21	
W 8	16 24 9 32	5 16	8 14	4 42	20 47	2 42	20 26	1 5	4 13	1 10	22 14	1 10	2 56	0 47	18 46	0 3	10 23	17 21	19 18	19 28	9 8	15 24	2 22	
T 9	16 7 13 18	5 2	8 25	4 45	20 51	2 39	20 17	1 6	4 17	1 10	22 14	1 10	2 57	0 47	18 46	0 3	10 24	17 21	19 18	19 29	9 6	15 24	2 22	
F 10	15 50 16 34	4 34	8 38	4 46	20 54	2 35	20 8	1 6	4 21	1 10	22 15	1 10	2 58	0 47	18 45	0 3	10 24	17 21	19 18	19 29	9 4	15 24	2 22	
S 11	15 32 19 5	3 50	8 53	4 46	20 56	2 31	19 59	1 6	4 25	1 10	22 15	1 10	2 59	0 47	18 44	0 3	10 25	17 22	19 17	19 30	9 2	15 24	2 22	
S 12	15 15 20 37	2 52	9 12	4 43	20 58	2 27	19 50	1 6	4 29	1 10	22 15	1 10	2 59	0 47	18 44	0 3	10 25	17 22	19 17	19 31	9 0	15 24	2 23	
MI3	14 57 20 55	1 42	9 32	4 39	21 0	2 23	19 40	1 7	4 33	1 9	22 15	1 10	3 0	0 47	18 43	0 3	10 26	17 22	19 17	19 32	8 58	15 24	2 23	
T 14	14 38 19 51	0 24	9 54	4 33	21 1	2 20	19 31	1 7	4 37	1 9	22 15	1 10	3 1	0 47	18 43	0 3	10 26	17 22	19 17	19 32	8 56	15 24	2 23	
W15	14 20 17 24	0s58	10 18	4 25	21 2	2 16	19 21	1 7	4 41	1 9	22 15	1 10	3 2	0 47	18 42	0 3	10 27	17 23	19 17	19 33	8 54	15 24	2 23	
T 16	14 1 13 44	2 17	10 43	4 16	21 3	2 12	19 11	1 7	4 45	1 9	22 16	1 10	3 2	0 47	18 42	0 3	10 27	17 23	19 17	19 34	8 52	15 24	2 24	
F 17	13 42 9 8	3 27	11 9	4 4	21 2	2 8	19 1	1 8	4 49	1 9	22 16	1 10	3 3	0 48	18 41	0 3	10 28	17 23	19 18	19 35	8 50	15 24	2 24	
S 18	13 23 4 1	4 21	11 36	3 51	21 2	2 3	18 51	1 8	4 53	1 9	22 16	1 10	3 4	0 48	18 41	0 3	10 28	17 24	19 18	19 35	8 48	15 24	2 24	
S 19	13 3 1n16	4 58	12 2	3 37	21 0	1 59	18 41	1 8	4 57	1 8	22 16	1 10	3 5	0 48	18 40	0 3	10 29	17 24	19 19	19 36	8 46	15 23	2 24	
M20	12 44 6 21	5 14	12 28	3 21	20 59	1 55	18 30	1 8	5 1	1 8	22 16	1 10	3 6	0 48	18 40	0 3	10 29	17 24	19 19	19 37	8 44	15 23	2 25	
T 21	12 24 10 57	5 11	12 52	3 4	20 56	1 51	18 20	1 8	5 6	1 8	22 16	1 10	3 6	0 48	18 39	0 3	10 30	17 24	19 20	19 37	8 42	15 23	2 25	
W22	12 4 14 51	4 50	13 16	2 47	20 54	1 47	18 9	1 9	5 10	1 8	22 16	1 10	3 7	0 48	18 39	0 3	10 30	17 25	19 20	19 38	8 40	15 23	2 25	
T 23	11 44 17 52	4 14	13 38	2 29	20 50	1 43	17 59	1 9	5 14	1 8	22 16	1 10	3 8	0 48	18 38	0 3	10 31	17 25	19 20	19 39	8 38	15 23	2 25	
F 24	11 23 19 54	3 25	13 58	2 10	20 46	1 39	17 48	1 9	5 18	1 8	22 16	1 10	3											

SWISS EPHEMERIS for the year 1590

SEPTEMBER 1590 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	22 39 6	8♍ 3'14	29♎46	20♌ 2	25♉56	18♊58	17♋35	27♎12	23°R37	6♌50	13°R52	3°R41	2♌ 0	17♎31	19°R45
S 2	22 43 3	9° 1'30	11♌38	21° 6	27° 4	19°36	17°47	27°16	23°K35	6°52	13°V51	3♌34	1°57	17°37	19♋44
M 3	22 46 59	9°59'48	23°34	22°18	28°12	20°14	17°58	27°20	23°32	6°54	13°50	3°28	1°54	17°44	19°44
T 4	22 50 56	10°58'08	5♎38	23°35	29°20	20°52	18°10	27°24	23°30	6°56	13°49	3°23	1°51	17°51	19°43
W 5	22 54 53	11°56'29	17°52	24°58	0♌28	21°30	18°21	27°28	23°28	6°58	13°48	3°18	1°48	17°57	19°42
T 6	22 58 49	12°54'52	0♌19	26°26	1°37	22° 8	18°33	27°32	23°25	7° 0	13°48	3°16	1°45	18° 4	19°42
F 7	23 2 46	13°53'16	13° 4	27°58	2°45	22°46	18°45	27°36	23°23	7° 2	13°47	3°D15	1°41	18°11	19°41
S 8	23 6 42	14°51'42	26°10	29°35	3°54	23°24	18°56	27°39	23°21	7° 3	13°46	3°15	1°38	18°17	19°40
S 9	23 10 39	15°50'10	9♌41	1♎15	5° 3	24° 2	19° 8	27°43	23°18	7° 5	13°45	3°17	1°35	18°24	19°39
M10	23 14 35	16°48'39	23°38	2°57	6°12	24°40	19°20	27°46	23°16	7° 7	13°44	3°18	1°32	18°31	19°38
T 11	23 18 32	17°47'10	8♋ 2	4°42	7°21	25°18	19°32	27°49	23°13	7° 9	13°43	3°R18	1°29	18°38	19°37
W12	23 22 28	18°45'43	22°51	6°29	8°30	25°56	19°44	27°53	23°11	7°11	13°42	3°17	1°25	18°44	19°36
T 13	23 26 25	19°44'17	7♋58	8°18	9°40	26°34	19°56	27°56	23° 9	7°12	13°41	3°13	1°22	18°51	19°35
F 14	23 30 22	20°42'54	23°15	10° 7	10°49	27°12	20° 8	27°59	23° 6	7°14	13°39	3° 8	1°19	18°58	19°34
S 15	23 34 18	21°41'32	8♍32	11°58	11°59	27°50	20°21	28° 2	23° 4	7°16	13°38	3° 1	1°16	19° 4	19°33
S 16	23 38 15	22°40'12	23°36	13°49	13° 9	28°28	20°33	28° 4	23° 1	7°18	13°37	2°53	1°13	19°11	19°31
M17	23 42 11	23°38'54	8♌21	15°40	14°19	29° 5	20°45	28° 7	22°59	7°19	13°36	2°46	1°10	19°18	19°30
T 18	23 46 8	24°37'39	22°38	17°31	15°29	29°43	20°57	28°10	22°57	7°21	13°35	2°40	1° 6	19°24	19°29
W19	23 50 4	25°36'26	6♎26	19°22	16°39	0♎21	21°10	28°12	22°54	7°22	13°34	2°37	1° 3	19°31	19°27
T 20	23 54 1	26°35'16	19°45	21°12	17°49	0°59	21°22	28°15	22°52	7°24	13°33	2°35	1° 0	19°38	19°26
F 21	23 57 57	27°34'07	2♉39	23° 2	19° 0	1°37	21°35	28°17	22°49	7°26	13°32	2°D35	0°57	19°44	19°24
S 22	0 1 54	28°33'01	15°10	24°52	20°11	2°14	21°47	28°19	22°47	7°27	13°31	2°35	0°54	19°51	19°22
S 23	0 5 51	29°31'58	27°24	26°41	21°21	2°52	22° 0	28°21	22°45	7°29	13°30	2°R36	0°51	19°58	19°21
M24	0 9 47	0♌30'56	9♌26	28°29	22°32	3°30	22°12	28°23	22°42	7°30	13°29	2°36	0°47	20° 4	19°19
T 25	0 13 44	1°29'57	21°19	0♌17	23°43	4° 8	22°25	28°25	22°40	7°32	13°27	2°34	0°44	20°11	19°17
W26	0 17 40	2°29'00	3♎ 9	2° 4	24°54	4°45	22°37	28°27	22°37	7°33	13°26	2°30	0°41	20°18	19°15
T 27	0 21 37	3°28'05	14°58	3°50	26° 5	5°23	22°50	28°28	22°35	7°35	13°25	2°23	0°38	20°25	19°13
F 28	0 25 33	4°27'12	26°48	5°35	27°17	6° 1	23° 3	28°30	22°33	7°36	13°24	2°13	0°35	20°31	19°11
S 29	0 29 30	5°26'21	8♌41	7°19	28°28	6°38	23°15	28°31	22°30	7°37	13°23	2° 2	0°31	20°38	19° 9
S 30	0 33 26	6♌25'33	20♌40	9♌ 3	29♌40	7♎16	23♋28	28♎33	22°K28	7♌39	13°V22	1♌49	0♌28	20♎45	19♋ 7

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	8n34	4n 3	4n18	14n58	0n 8	19n56	1s 5	16n17	1n11	5s54	1n 7	22n17	1s11	3s16	0s48	18n34	0s 3	10s36	17s27	19n22	19n45	8n20	15n20	2s28
S 2	8 12	0s11	4 48	14 51	0 22	19 47	1 1	16 5	1 11	5 58	1 6	22 17	1 11	3 17	0 48	18 33	0 3	10 36	17 27	19 24	19 46	8 18	15 20	2 28
M 3	7 50	4 26	5 6	14 40	0 35	19 38	0 57	15 53	1 11	6 3	1 6	22 17	1 11	3 18	0 48	18 33	0 3	10 37	17 28	19 25	19 47	8 15	15 20	2 28
T 4	7 28	8 33	5 10	14 26	0 47	19 28	0 53	15 41	1 11	6 7	1 6	22 17	1 11	3 19	0 48	18 32	0 3	10 37	17 28	19 27	19 47	8 13	15 19	2 28
W 5	7 6	12 23	5 14	9 0	0 58	19 18	0 49	15 29	1 11	6 12	1 6	22 17	1 11	3 20	0 48	18 32	0 3	10 38	17 28	19 28	19 48	8 11	15 19	2 29
T 6	6 44	15 45	4 37	13 48	1 8	19 7	0 45	15 17	1 11	6 16	1 6	22 17	1 11	3 21	0 48	18 31	0 3	10 38	17 28	19 28	19 49	8 9	15 18	2 29
F 7	6 21	18 28	3 59	13 25	1 17	18 56	0 41	15 5	1 12	6 21	1 6	22 17	1 11	3 22	0 48	18 31	0 3	10 39	17 28	19 28	19 50	8 7	15 18	2 29
S 8	5 59	20 19	3 8	12 58	1 25	18 44	0 37	14 53	1 12	6 25	1 6	22 17	1 11	3 23	0 48	18 30	0 3	10 40	17 29	19 28	19 50	8 5	15 17	2 29
S 9	5 36	21 4	2 5	12 29	1 31	18 41	0 32	14 40	1 12	6 30	1 6	22 17	1 11	3 24	0 48	18 30	0 3	10 40	17 29	19 28	19 51	8 3	15 17	2 30
M10	5 13	20 34	0 52	11 57	1 37	18 18	0 29	14 28	1 12	6 35	1 5	22 17	1 11	3 25	0 48	18 30	0 3	10 41	17 29	19 28	19 52	8 1	15 16	2 30
T 11	4 50	18 43	0s26	11 23	1 41	18 5	0 25	14 15	1 12	6 39	1 5	22 17	1 11	3 26	0 48	18 29	0 3	10 41	17 29	19 28	19 52	7 59	15 16	2 30
W12	4 27	15 34	1 44	10 46	1 45	17 51	0 21	14 2	1 12	6 44	1 5	22 17	1 11	3 27	0 48	18 29	0 3	10 42	17 29	19 28	19 53	7 57	15 15	2 30
T 13	4 4	11 19	2 56	10 8	1 48	17 36	0 17	13 49	1 13	6 48	1 5	22 17	1 11	3 27	0 48	18 28	0 3	10 42	17 29	19 29	19 54	7 55	15 15	2 31
F 14	3 41	6 18	3 56	9 28	1 49	17 21	0 13	13 37	1 13	6 53	1 5	22 17	1 11	3 28	0 48	18 28	0 3	10 43	17 29	19 30	19 55	7 53	15 14	2 31
S 15	3 18	0 54	4 40	8 47	1 50	17 5	0 9	13 24	1 13	6 58	1 5	22 17	1 11	3 29	0 48	18 27	0 3	10 43	17 30	19 32	19 55	7 51	15 14	2 31
S 16	2 55	4n29	5 3	8 5	1 50	16 49	0 5	13 11	1 13	7 3	1 5	22 17	1 11	3 30	0 48	18 27	0 2	10 44	17 30	19 33	19 56	7 48	15 13	2 31
M17	2 32	9 29	5 6	7 21	1 50	16 33	0 2	12 58	1 13	7 7	1 5	22 17	1 11	3 31	0 48	18 26	0 2	10 44	17 30	19 35	19 57	7 46	15 13	2 32
T 18	2 8	13 49	4 49	6 37	1 49	16 16	0n 2	12 44	1 13	7 12	1 5	22 17	1 11	3 32	0 48	18 26	0 2	10 45	17 30	19 36	19 57	7 44	15 12	2 32
W19	1 45	17 14	4 16	5 51	1 47	15 58	0 6	12 31	1 13	7 17	1 4	22 17	1 11	3 33	0 48	18 26	0 2	10 45	17 30	19 37	19 58	7 42	15 11	2 32
T 20	1 22	19 37	3 29	5 6	1 45	15 40	0 9	12 18	1 14	7 21	1 4	22 17	1 11	3 34	0 48	18 25	0 2	10 46	17 30	19 38	19 59	7 40	15 11	2 32
F 21	0 58	20 54	2 34	4 19	1 42	15 22	0 13	12 4	1 14	7 26	1 4	22 17	1 11	3 35	0 48	18 25	0 2	10 46	17 30	19 38	19 59	7 38	15 10	2 33
S 22	0 35	21 6	1 32	3 33	1 38	15 3	0 16	11 51	1 14	7 31	1 4	22 17	1 12	3 36	0 48	18 25	0 2	10 47	17 30	19 37	20 0	7 36	15 9	2 33
S 23	0 11	20 16	0 28	2 46	1 34	14 44	0 20	11 37	1 14	7 36	1 4	22 17	1 12	3 37	0 48	18 24	0 2	10 47	17 31	19 37	20 1	7 34	15 9	2 33
M24	0s12	18 31	0n37	1 59	1 30	14 24	0 23	11 24	1 14	7 40	1 4	22 17	1 12	3 38	0 48	18 24	0 2	10 48	17 31	19 37	20 1	7 32	15 8	2 33
T 25	0 36	15 59	1 39	1 12	1 26	14 4	0 27	11 10	1 14	7 45	1 4	22 17	1 12	3 39	0 48	18 23	0 2	10 48	17 31	19 38	20 2	7 30	15 7	2 34
W26	0 59	12 47	2 36	0 25	1 21	13 43	0 30	10 56	1 14	7 50	1 4	22 17	1 12	3 40	0 48	18 23	0 2	10 49	17 31	19 39	20 3	7 27	15 7	2 34
T 27	1 23	9 6	3 26	0s22	1 16	13 22	0 33	10 43	1 15	7 55	1 4	22 17	1 12	3 41	0 48	18 23	0 2	10 49	17 31	19 40	20 4	7 25	15 6	2 34
F 28	1 46	5 3	4 7	1 9	1 10	13 1	0 36	10 29	1 15	7 59	1 4	22 17	1 12	3 42	0 48	18 22	0 2	10 50	17 31	19 42	20 4	7 23	15 5	2 34
S 29	2 10	0 48	4 38	1 55	1 5	12 39	0 39	10 15	1 15	8 4	1 4	22 17	1 12	3 43	0 48	18 22	0 2	10 50	17 31	19 45	20 5	7 21	15 4	2 34
S 30	2s3																							

SWISS EPHEMERIS for the year 1590

OCTOBER 1590 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	0 37 23	7♂24'46	2♂44	10♂46	0♂51	7♂54	23♂41	28♂34	22°R26	7♂40	13°R21	1°R37	0♂25	20♂51	19°R 5
T 2	0 41 19	8°24'02	14°55	12°28	2° 3	8°31	23°54	28°35	22°R23	7°41	13°R19	1♂26	0°22	20°58	19♂ 3
W 3	0 45 16	9°23'19	27°16	14° 9	3°15	9° 9	24° 7	28°36	22°21	7°43	13°18	1°17	0°19	21° 5	19° 1
T 4	0 49 13	10°22'38	9♂48	15°50	4°27	9°47	24°20	28°37	22°19	7°44	13°17	1°10	0°16	21°11	18°58
F 5	0 53 9	11°21'59	22°34	17°29	5°39	10°24	24°32	28°38	22°17	7°45	13°16	1° 6	0°12	21°18	18°56
S 6	0 57 6	12°21'22	5♂36	19° 8	6°51	11° 2	24°45	28°38	22°14	7°46	13°15	1° 5	0° 9	21°25	18°54
S 7	1 1 2	13°20'47	18°59	20°46	8° 3	11°40	24°58	28°39	22°12	7°47	13°14	1°D 5	0° 6	21°31	18°51
M 8	1 4 59	14°20'13	2♂45	22°24	9°15	12°17	25°11	28°39	22°10	7°49	13°13	1°R 5	0° 3	21°38	18°49
T 9	1 8 55	15°19'41	16°55	24° 0	10°27	12°55	25°24	28°39	22° 8	7°50	13°11	1° 4	29♂59	21°45	18°46
W10	1 12 52	16°19'11	1♂28	25°37	11°40	13°32	25°37	28°40	22° 6	7°51	13°10	1° 1	29°57	21°52	18°44
T 11	1 16 48	17°18'43	16°22	27°12	12°52	14°10	25°50	28°R40	22° 4	7°52	13° 9	0°56	29°53	21°58	18°41
F 12	1 20 45	18°18'16	1♂30	28°47	14° 5	14°47	26° 3	28°40	22° 1	7°53	13° 8	0°47	29°50	22° 5	18°38
S 13	1 24 42	19°17'51	16°42	0♂21	15°18	15°25	26°16	28°40	21°59	7°54	13° 7	0°37	29°47	22°12	18°36
S 14	1 28 38	20°17'29	1♂47	1°54	16°30	16° 2	26°29	28°39	21°57	7°55	13° 6	0°26	29°44	22°18	18°33
M15	1 32 35	21°17'08	16°36	3°27	17°43	16°40	26°42	28°39	21°55	7°56	13° 4	0°15	29°41	22°25	18°30
T 16	1 36 31	22°16'50	1♂0	5° 0	18°56	17°17	26°56	28°39	21°53	7°56	13° 3	0° 5	29°37	22°32	18°27
W17	1 40 28	23°16'34	14°56	6°31	20° 9	17°55	27° 9	28°38	21°51	7°57	13° 2	29♂58	29°34	22°38	18°25
T 18	1 44 24	24°16'20	18°21	8° 2	21°22	18°32	27°22	28°37	21°49	7°58	13° 1	29°54	29°31	22°45	18°22
F 19	1 48 21	25°16'09	11♂19	9°33	22°35	19° 9	27°35	28°36	21°48	7°59	13° 0	29°52	29°28	22°52	18°19
S 20	1 52 17	26°16'00	23°52	11° 3	23°49	19°47	27°48	28°36	21°46	8° 0	12°59	29°52	29°25	22°58	18°16
S 21	1 56 14	27°15'53	6♂7	12°33	25° 2	20°24	28° 1	28°35	21°44	8° 0	12°58	29°51	29°22	23° 5	18°13
M22	2 0 11	28°15'48	18° 7	14° 1	26°15	21° 2	28°14	28°33	21°42	8° 1	12°57	29°51	29°18	23°12	18°10
T 23	2 4 7	29°15'45	29°59	15°30	27°29	21°39	28°27	28°32	21°40	8° 2	12°55	29°48	29°15	23°19	18° 7
W24	2 8 4	0♂15'45	11♂48	16°57	28°42	22°16	28°40	28°31	21°39	8° 2	12°54	29°43	29°12	23°25	18° 4
T 25	2 12 0	1°15'46	23°37	18°24	29°56	22°54	28°54	28°29	21°37	8° 3	12°53	29°34	29° 9	23°32	18° 1
F 26	2 15 57	2°15'50	5♂30	19°51	1♂9	23°31	29° 7	28°28	21°35	8° 3	12°52	29°23	29° 6	23°39	17°58
S 27	2 19 53	3°15'56	17°29	21°17	2°23	24° 8	29°20	28°26	21°34	8° 4	12°51	29°10	29° 2	23°45	17°55
S 28	2 23 50	4°16'03	29°37	22°42	3°37	24°46	29°33	28°24	21°32	8° 4	12°50	28°56	28°59	23°52	17°52
M29	2 27 46	5°16'13	11♂53	24° 6	4°51	25°23	29°46	28°22	21°30	8° 5	12°49	28°41	28°56	23°59	17°48
T 30	2 31 43	6°16'24	24°18	25°30	6° 4	26° 0	29°59	28°20	21°29	8° 5	12°48	28°28	28°53	24° 5	17°45
W31	2 35 40	7♂16'37	6♂53	26♂53	7♂18	26♂37	0♂12	28♂18	21♂27	8♂6	12♂47	28♂17	28♂50	24♂12	17♂42

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	2s57	7s43	5n 2	3s28	0n53	11n54	0n45	9n47	1n15	8s14	1n 3	22n17	1s12	3s44	0s48	18n21	0s 2	10s51	17s31	19n51	20n 6	7n17	15n 3	2s35
T 2	3 20	11 40	4 54	4 13	0 47	11 31	0 48	9 33	1 15	8 19	1 3	22 17	1 12	3 45	0 48	18 21	0 2	10 52	17 31	19 53	20 7	7 15	15 2	2 35
W 3	3 44	15 10	4 32	4 58	0 40	11 8	0 51	9 19	1 15	8 23	1 3	22 17	1 12	3 46	0 48	18 21	0 2	10 52	17 31	19 55	20 8	7 13	15 1	2 35
T 4	4 7	18 4	3 57	5 43	0 34	10 44	0 54	9 5	1 15	8 28	1 3	22 17	1 12	3 47	0 48	18 20	0 2	10 53	17 31	19 57	20 8	7 10	15 0	2 36
F 5	4 30	20 8	3 9	6 28	0 27	10 20	0 57	8 51	1 15	8 33	1 3	22 17	1 12	3 48	0 48	18 20	0 2	10 53	17 31	19 57	20 9	7 8	14 59	2 36
S 6	4 54	21 12	2 11	7 11	0 21	9 56	0 59	8 37	1 16	8 38	1 3	22 17	1 12	3 49	0 48	18 20	0 2	10 54	17 31	19 58	20 10	7 6	14 59	2 36
S 7	5 17	21 5	1 4	7 55	0 14	9 32	1 2	8 22	1 16	8 43	1 3	22 17	1 12	3 50	0 48	18 19	0 2	10 54	17 31	19 58	20 10	7 4	14 58	2 36
M 8	5 40	19 44	0s 9	8 38	0 7	9 7	1 4	8 8	1 16	8 47	1 3	22 17	1 12	3 51	0 48	18 19	0 2	10 54	17 31	19 58	20 11	7 2	14 57	2 36
T 9	6 3	17 7	2 23	9 20	0 0	8 42	1 7	7 54	1 16	8 52	1 3	22 17	1 12	3 51	0 48	18 19	0 2	10 55	17 31	19 58	20 12	7 0	14 56	2 37
W10	6 26	13 22	2 34	10 1	0s 7	8 16	1 9	7 39	1 16	8 57	1 3	22 17	1 12	3 52	0 48	18 19	0 2	10 55	17 31	19 58	20 12	6 57	14 55	2 37
T 11	6 49	8 42	3 35	10 43	0 14	7 50	1 11	7 25	1 16	9 2	1 3	22 17	1 12	3 53	0 47	18 18	0 2	10 56	17 31	20 0	20 13	6 55	14 54	2 37
F 12	7 12	3 25	4 23	11 23	0 20	7 24	1 14	7 10	1 16	9 7	1 3	22 17	1 12	3 54	0 47	18 18	0 2	10 56	17 31	20 0	20 14	6 53	14 53	2 37
S 13	7 34	2n 5	4 52	12 3	0 27	6 58	1 16	6 56	1 16	9 11	1 3	22 17	1 12	3 55	0 47	18 18	0 2	10 56	17 31	20 0	20 14	6 51	14 52	2 37
S 14	7 57	7 25	5 1	12 42	0 34	6 32	1 18	6 41	1 16	9 16	1 3	22 17	1 12	3 55	0 47	18 18	0 2	10 57	17 31	20 0	20 15	6 49	14 51	2 38
M15	8 19	12 13	4 49	13 20	0 41	6 5	1 20	6 27	1 16	9 21	1 3	22 17	1 12	3 56	0 47	18 17	0 2	10 57	17 31	20 0	20 16	6 47	14 51	2 38
T 16	8 42	16 11	4 19	13 58	0 48	5 38	1 22	6 12	1 16	9 26	1 3	22 17	1 13	3 57	0 47	18 17	0 2	10 58	17 31	20 0	20 16	6 45	14 50	2 38
W17	9 4	19 6	3 34	14 35	0 54	5 11	1 23	5 58	1 16	9 30	1 3	22 16	1 13	3 58	0 47	18 17	0 2	10 58	17 31	20 0	20 17	6 42	14 49	2 38
T 18	9 26	20 50	2 38	15 11	1 1	4 44	1 25	5 43	1 17	9 35	1 2	22 16	1 13	3 58	0 47	18 17	0 2	10 58	17 31	20 0	20 18	6 40	14 48	2 38
F 19	9 48	21 24	1 36	15 46	1 8	4 16	1 27	5 28	1 17	9 40	1 2	22 16	1 13	3 59	0 47	18 17	0 2	10 59	17 31	20 0	20 18	6 38	14 47	2 38
S 20	10 10	20 51	0 32	16 21	1 14	3 49	1 28	5 14	1 17	9 45	1 2	22 16	1 13	4 0	0 47	18 16	0 2	10 59	17 30	20 0	20 19	6 36	14 46	2 39
S 21	10 31	19 19	0n33	16 55	1 20	3 21	1 30	4 59	1 17	9 49	1 2	22 16	1 13	4 1	0 47	18 16	0 2	10 59	17 30	20 0	20 20	6 34	14 45	2 39
M22	10 53	16 56	1 35	17 27	1 26	2 53	1 31	4 44	1 17	9 54	1 2	22 16	1 13	4 1	0 47	18 16	0 2	11 0	17 30	20 0	20 20	6 31	14 44	2 39
T 23	11 14	13 52	2 32	17 59	1 33	2 25	1 32	4 30	1 17	9 59	1 2	22 16	1 13	4 2	0 47	18 16	0 2	11 0	17 30	20 0	20 21	6 29	14 43	2 39
W24	11 35	10 16	3 22	18 31	1 38	1 57	1 34	4 15	1 17	10 3	1 2	22 16	1 13	4 3	0 47	18 16	0 2	11 0	17 30	20 0	20 22	6 27	14 42	2 39
T 25	11 56	6 16	4 4	19 1	1 44	1 29	1 35	4 0	1 17	10 8	1 2	22 16	1 13	4 3	0 47	18 16	0 2	11 1	17 30	20 0	20 22	6 25	14 41	2 39
F 26	12 17	2 0	4 34	19 30	1 50	1 0	1 36	3 45	1 17	10 13	1 2	22 16	1 13	4 4	0 47	18 16	0 2	11 1	17 30	20 0	20 23	6 23	14 40	2 40
S 27	12 38	2s22	4 53	19 58	1 55	0 32	1 37	3 31	1 17	10 17	1 2	22 16	1 13	4 5	0 47	18 15	0 2	11 1	17 30	20 0	20 24	6 21	14 39	2 40
S 28	12 58	6 41	5 0	20 26	2 0	0 3	1 38	3 16	1 17	10 22	1 2	22 16	1 13	4 5	0 47	18 15	0 2	11 1	17 30	20 0	20 24	6 18	14 38	2 40
M29	13 18	10 48	4 52	20 52	2 5	0s25	1 39	3 1	1 17	10 27	1 2	22 16												

SWISS EPHEMERIS for the year 1590

NOVEMBER 1590 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	2 39 36	8♈16°52	19♌39	28♈15	8♁32	27♎15	0♈25	28♈R16	21♈R26	8♈ 6	12♈R46	28♈R 9	28♈47	24♎19	17♈R39
F 2	2 43 33	9°17'08	2♌35	29°35	9°46	27°52	0°38	28♈II14	21♈R25	8° 6	12♈R45	28♈ 4	28°43	24°26	17♈R36
S 3	2 47 29	10°17'26	15°45	0♌55	11° 0	28°29	0°51	28°11	21°23	8° 7	12°44	28° 2	28°40	24°32	17°32
S 4	2 51 26	11°17'46	29° 9	2°14	12°15	29° 6	1° 5	28° 9	21°22	8° 7	12°43	28°D 1	28°37	24°39	17°29
M 5	2 55 22	12°18'07	12♌49	3°31	13°29	29°43	1°18	28° 6	21°21	8° 7	12°42	28°R 2	28°34	24°46	17°26
T 6	2 59 19	13°18'29	26°47	4°47	14°43	0♌21	1°31	28° 4	21°19	8° 7	12°41	28° 1	28°31	24°52	17°23
W 7	3 3 15	14°18'52	11♌ 3	6° 1	15°57	0°58	1°44	28° 1	21°18	8° 7	12°40	27°58	28°28	24°59	17°19
T 8	3 7 12	15°19'17	25°36	7°13	17°11	1°35	1°57	27°58	21°17	8° 8	12°39	27°53	28°24	25° 6	17°16
F 9	3 11 9	16°19'44	10♌21	8°24	18°26	2°12	2° 9	27°55	21°16	8° 8	12°38	27°46	28°21	25°12	17°13
S 10	3 15 5	17°20'11	25°12	9°31	19°40	2°49	2°22	27°52	21°15	8° 8	12°37	27°36	28°18	25°19	17°10
S 11	3 19 2	18°20'40	10♌ 0	10°37	20°55	3°26	2°35	27°49	21°14	8°R 8	12°36	27°25	28°15	25°26	17° 6
M12	3 22 58	19°21'11	24°37	11°39	22° 9	4° 3	2°48	27°45	21°13	8° 8	12°35	27°14	28°12	25°33	17° 3
T 13	3 26 55	20°21'44	8♈55	12°37	23°24	4°40	3° 1	27°42	21°12	8° 8	12°34	27° 5	28° 8	25°39	17° 0
W14	3 30 51	21°22'18	22°50	13°32	24°38	5°17	3°14	27°39	21°11	8° 7	12°33	26°58	28° 5	25°46	16°57
T 15	3 34 48	22°22'53	6♌17	14°23	25°53	5°54	3°27	27°35	21°10	8° 7	12°33	26°53	28° 2	25°53	16°53
F 16	3 38 44	23°23'31	19°18	15° 9	27° 7	6°31	3°39	27°31	21°10	8° 7	12°32	26°51	27°59	25°59	16°50
S 17	3 42 41	24°24'10	1♌56	15°49	28°22	7° 8	3°52	27°28	21° 9	8° 7	12°31	26°D51	27°56	26° 6	16°47
S 18	3 46 38	25°24'51	14°14	16°22	29°37	7°45	4° 5	27°24	21° 8	8° 7	12°30	26°52	27°53	26°13	16°44
M19	3 50 34	26°25'33	26°17	16°49	0♈51	8°22	4°18	27°20	21° 8	8° 6	12°29	26°R53	27°49	26°19	16°40
T 20	3 54 31	27°26'17	8♎11	17° 8	2° 6	8°59	4°30	27°16	21° 7	8° 6	12°29	26°52	27°46	26°26	16°37
W21	3 58 27	28°27'02	20° 1	17°19	3°21	9°36	4°43	27°12	21° 7	8° 6	12°28	26°49	27°43	26°33	16°34
T 22	4 2 24	29°27'49	1♌52	17°R20	4°36	10°13	4°55	27° 8	21° 6	8° 5	12°27	26°44	27°40	26°40	16°31
F 23	4 6 20	0♌28'38	13°48	17°11	5°51	10°49	5° 8	27° 4	21° 6	8° 5	12°26	26°37	27°37	26°46	16°28
S 24	4 10 17	1°29'28	25°52	16°52	7° 5	11°26	5°20	27° 0	21° 5	8° 5	12°26	26°27	27°34	26°53	16°25
S 25	4 14 13	2°30'19	8♈ 8	16°21	8°20	12° 3	5°33	26°56	21° 5	8° 4	12°25	26°17	27°30	27° 0	16°21
M26	4 18 10	3°31'12	20°37	15°40	9°35	12°40	5°45	26°51	21° 5	8° 4	12°24	26° 6	27°27	27° 6	16°18
T 27	4 22 7	4°32'06	3♌18	14°47	10°50	13°17	5°57	26°47	21° 5	8° 3	12°24	25°57	27°24	27°13	16°15
W28	4 26 3	5°33'01	16°13	13°45	12° 5	13°53	6°10	26°43	21° 4	8° 3	12°23	25°49	27°21	27°20	16°12
T 29	4 30 0	6°33'57	29°20	12°35	13°20	14°30	6°22	26°38	21° 4	8° 2	12°22	25°43	27°18	27°27	16° 9
F 30	4 33 56	7♌34'54	12♌38	11♌17	14♈35	15♌ 7	6♈34	26♈34	21♈ 4	8♈ 1	12♈R22	25♈40	27♈14	27♎33	16♌ 6

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	14s18	19s58	3n 8	22s 4	2s19	1s51	1n41	2n17	1n17	10s40	1n 2	22n16	1s13	4s 7	0s47	18n15	0s 2	11s 2	17s29	20n35	20n27	6n10	14n34	2s40
F 2	14 37	21 18	2 10	22 26	2 23	2 20	1 41	2 2	1 17	10 45	1 2	22 16	1 13	4 8	0 47	18 15	0 2	11 3	17 29	20 36	20 28	6 7	14 33	2 41
S 3	14 56	21 29	1 5	22 46	2 26	2 48	1 42	1 47	1 17	10 50	1 2	22 16	1 13	4 8	0 47	18 15	0 2	11 3	17 29	20 36	20 28	6 5	14 32	2 41
S 4	15 15	20 28	0s 6	23 5	2 29	3 17	1 42	1 32	1 17	10 54	1 2	22 16	1 13	4 9	0 47	18 15	0 2	11 3	17 28	20 36	20 29	6 3	14 31	2 41
M 5	15 34	18 14	1 18	23 23	2 32	3 46	1 42	1 18	1 17	10 59	1 2	22 16	1 13	4 9	0 47	18 15	0 2	11 3	17 28	20 36	20 30	6 1	14 30	2 41
T 6	15 52	14 54	2 26	23 40	2 34	4 14	1 42	1 3	1 17	11 3	1 2	22 16	1 13	4 10	0 47	18 15	0 2	11 4	17 28	20 36	20 30	5 58	14 29	2 41
W 7	16 10	10 37	3 27	23 55	2 36	4 43	1 42	0 48	1 17	11 8	1 2	22 16	1 13	4 10	0 47	18 15	0 2	11 4	17 28	20 37	20 31	5 56	14 28	2 41
T 8	16 28	5 40	4 16	24 9	2 38	5 11	1 42	0 33	1 17	11 12	1 2	22 16	1 13	4 11	0 47	18 15	0 2	11 4	17 28	20 38	20 32	5 54	14 27	2 41
F 9	16 45	0 19	4 48	24 21	2 38	5 40	1 42	0 18	1 17	11 17	1 2	22 15	1 13	4 11	0 47	18 15	0 2	11 4	17 27	20 39	20 32	5 52	14 26	2 41
S 10	17 3	5n 5	5 2	24 32	2 39	6 8	1 42	0 4	1 17	11 21	1 2	22 15	1 13	4 11	0 47	18 15	0 2	11 4	17 27	20 41	20 33	5 50	14 25	2 42
S 11	17 20	10 11	4 55	24 42	2 38	6 36	1 42	0s11	1 17	11 26	1 2	22 15	1 13	4 12	0 47	18 15	0 2	11 4	17 27	20 43	20 33	5 47	14 24	2 42
M12	17 36	14 37	4 29	24 49	2 37	7 4	1 42	0 26	1 17	11 30	1 2	22 15	1 13	4 12	0 47	18 15	0 2	11 4	17 27	20 45	20 34	5 45	14 23	2 42
T 13	17 53	18 7	3 46	24 55	2 35	7 32	1 41	0 40	1 17	11 34	1 2	22 15	1 13	4 12	0 47	18 15	0 2	11 5	17 27	20 47	20 35	5 43	14 22	2 42
W14	18 9	20 27	2 51	25 0	2 32	8 0	1 41	0 55	1 17	11 39	1 2	22 15	1 13	4 13	0 46	18 15	0 2	11 5	17 26	20 49	20 35	5 41	14 21	2 42
T 15	18 24	21 33	1 47	25 2	2 29	8 28	1 40	1 10	1 17	11 43	1 2	22 15	1 13	4 13	0 46	18 15	0 2	11 5	17 26	20 49	20 36	5 38	14 20	2 42
F 16	18 40	21 26	0 40	25 3	2 24	8 55	1 40	1 25	1 17	11 47	1 2	22 15	1 13	4 13	0 46	18 15	0 2	11 5	17 26	20 50	20 37	5 36	14 19	2 42
S 17	18 55	20 13	0n27	25 2	2 19	9 22	1 39	1 17	11 52	1 2	22 15	1 13	4 14	0 46	18 15	0 2	11 5	17 26	20 50	20 37	5 34	14 18	2 42	
S 18	19 9	18 3	1 32	24 59	2 12	9 49	1 38	1 54	1 17	11 56	1 2	22 15	1 13	4 14	0 46	18 15	0 2	11 5	17 25	20 50	20 38	5 32	14 17	2 42
M19	19 24	15 8	2 31	24 53	2 4	10 16	1 38	2 8	1 17	12 0	1 2	22 15	1 13	4 14	0 46	18 15	0 2	11 5	17 25	20 50	20 39	5 29	14 16	2 42
T 20	19 38	11 39	3 22	24 46	1 54	10 43	1 37	2 23	1 17	12 4	1 2	22 15	1 13	4 14	0 46	18 15	0 2	11 5	17 25	20 50	20 39	5 27	14 15	2 42
W21	19 51	7 43	4 5	24 36	1 43	11 9	1 36	2 37	1 17	12 9	1 2	22 15	1 13	4 14	0 46	18 15	0 2	11 5	17 25	20 50	20 40	5 25	14 14	2 42
T 22	20 5	3 30	4 37	24 24	1 31	11 36	1 35	2 52	1 17	12 13	1 2	22 15	1 13	4 14	0 46	18 15	0 2	11 5	17 24	20 51	20 40	5 23	14 13	2 42
F 23	20 18	0s53	4 58	24 9	1 17	12 1	1 34	3 6	1 17	12 17	1 2	22 15	1 13	4 15	0 46	18 15	0 2	11 5	17 24	20 53	20 41	5 20	14 12	2 43
S 24	20 30	5 17	5 5	23 52	1 2	12 27	1 33	3 21	1 17	12 21	1 2	22 15	1 13	4 15	0 46	18 15	0 2	11 5	17 24	20 54	20 42	5 18	14 11	2 43
S 25	20 42	9 32	4 59	23 33	0 45	12 52	1 31	3 35	1 17	12 25	1 2	22 15	1 13	4 15	0 46	18 16	0 2	11 5	17 23	20 56	20 42	5 16	14 10	2 43
M26	20 54	13 28	4 38	23 10	0 27	13 17	1 30	3 50	1 17	12 29	1 2	22 15	1 13	4 15	0 46	18 16	0 2	11 5	17 23	20 58	20 43	5 14	14 9	2 43
T 27	21 6	16 53	4 3	22 46	0 8	13 42	1 29	4 4	1 17	12 33	1 3	22 14	1 13	4 15	0 46	18 16	0 2	11 5	17 23	21 0	20 44	5 11	14 8	2 43
W28	21 17	19 32	3 16	22 19	0n12	14 7	1 27	4 18	1 17	12 37	1 3	22 14	1 13	4 15	0 46	18 16	0 2	11 5	17 22	21 2	20 44	5 9	14 7	2 43
T 29	21 27	21 12	2 17	21 50	0 32	14 31	1 26	4 33	1 17	12 41	1 3	22 14	1 13	4 15	0 46	18 16	0 2	11 5	17 22	21 3	20 45	5 7	14 6	2 43

SWISS EPHEMERIS for the year 1590

DECEMBER 1590 GC

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Day	Sid.t	☉	☽	♀	♂	♄	♃	♅	♁	♆	♇	♈	♉	♊	♋	♌	♍
S 1	4 37 53	8 ^h 35 ^m 52 ^s	26 [°] 36'	9 ^h R56	15 ^h M50	15 ^h Δ43	6 ^h M46	26 ^h R29	21 ^h D 4	8 ^h R 1	12 ^h R21	25 ^h D39	27 ^h Ω11	27 ^h ♁40	16 ^h R 3		
S 2	4 41 49	9 ^h 36 ^m 50 ^s	9 ^h 45'	8 ^h 7 ^m 33 ^s	17 ^h 5	16 ^h 20	6 ^h 58	26 ^h II24	21 ^h ✕ 4	8 ^h Ω 0	12 ^h Υ21	25 ^h Ω40	27 ^h 8	27 ^h 47	16 ^h Ω 0		
M 3	4 45 46	10 ^h 37 ^m 50 ^s	23 ^h 33'	7 ^h 11	18 ^h 20	16 ^h 57	7 ^h 10	26 ^h 20	21 ^h 4	7 ^h 59	12 ^h 20	25 ^h 41	27 ^h 5	27 ^h 53	15 ^h 57		
T 4	4 49 42	11 ^h 38 ^m 50 ^s	7 ^h 31'	5 ^h 54	19 ^h 35	17 ^h 33	7 ^h 22	26 ^h 15	21 ^h 4	7 ^h 59	12 ^h 20	25 ^h R42	27 ^h 2	28 ^h 0	15 ^h 55		
W 5	4 53 39	12 ^h 39 ^m 50 ^s	21 ^h 39'	4 ^h 43	20 ^h 51	18 ^h 10	7 ^h 34	26 ^h 10	21 ^h 5	7 ^h 58	12 ^h 19	25 ^h 42	26 ^h 59	28 ^h 7	15 ^h 52		
T 6	4 57 36	13 ^h 40 ^m 51 ^s	5 ^h Υ54	3 ^h 40	22 ^h 6	18 ^h 46	7 ^h 46	26 ^h 6	21 ^h 5	7 ^h 57	12 ^h 19	25 ^h 40	26 ^h 55	28 ^h 13	15 ^h 49		
F 7	5 1 32	14 ^h 41 ^m 52 ^s	20 ^h 15'	2 ^h 47	23 ^h 21	19 ^h 23	7 ^h 58	26 ^h 1	21 ^h 5	7 ^h 56	12 ^h 18	25 ^h 36	26 ^h 52	28 ^h 20	15 ^h 46		
S 8	5 5 29	15 ^h 42 ^m 54 ^s	4 ^h Ω37	2 ^h 5	24 ^h 36	19 ^h 59	8 ^h 10	25 ^h 56	21 ^h 6	7 ^h 55	12 ^h 18	25 ^h 30	26 ^h 49	28 ^h 27	15 ^h 43		
S 9	5 9 25	16 ^h 43 ^m 57 ^s	18 ^h 57'	1 ^h 34	25 ^h 51	20 ^h 36	8 ^h 21	25 ^h 51	21 ^h 6	7 ^h 54	12 ^h 17	25 ^h 24	26 ^h 46	28 ^h 34	15 ^h 41		
M10	5 13 22	17 ^h 45 ^m 00 ^s	3 ^h II 7	1 ^h 14	27 ^h 6	21 ^h 12	8 ^h 33	25 ^h 46	21 ^h 6	7 ^h 53	12 ^h 17	25 ^h 18	26 ^h 43	28 ^h 40	15 ^h 38		
T 11	5 17 18	18 ^h 46 ^m 04 ^s	17 ^h 5	1 ^h D 5	28 ^h 21	21 ^h 48	8 ^h 44	25 ^h 41	21 ^h 7	7 ^h 52	12 ^h 17	25 ^h 12	26 ^h 40	28 ^h 47	15 ^h 36		
W12	5 21 15	19 ^h 47 ^m 08 ^s	0 ^h Ω44	1 ^h 6	29 ^h 37	22 ^h 25	8 ^h 56	25 ^h 36	21 ^h 7	7 ^h 51	12 ^h 16	25 ^h 8	26 ^h 36	28 ^h 54	15 ^h 33		
T 13	5 25 11	20 ^h 48 ^m 13 ^s	14 ^h 3	1 ^h 17	0 ^h Δ52	23 ^h 1	9 ^h 7	25 ^h 31	21 ^h 8	7 ^h 50	12 ^h 16	25 ^h 6	26 ^h 33	29 ^h 0	15 ^h 30		
F 14	5 29 8	21 ^h 49 ^m 19 ^s	2 ^h 1	1 ^h 36	2 ^h 7	23 ^h 37	9 ^h 19	25 ^h 26	21 ^h 9	7 ^h 49	12 ^h 16	25 ^h D 5	26 ^h 30	29 ^h 7	15 ^h 28		
S 15	5 33 5	22 ^h 50 ^m 25 ^s	9 ^h Ω38	2 ^h 4	3 ^h 22	24 ^h 14	9 ^h 30	25 ^h 22	21 ^h 9	7 ^h 48	12 ^h 15	25 ^h 6	26 ^h 27	29 ^h 14	15 ^h 26		
S 16	5 37 1	23 ^h 51 ^m 32 ^s	21 ^h 58'	2 ^h 38	4 ^h 37	24 ^h 50	9 ^h 41	25 ^h 17	21 ^h 10	7 ^h 47	12 ^h 15	25 ^h 8	26 ^h 24	29 ^h 21	15 ^h 23		
M17	5 40 58	24 ^h 52 ^m 40 ^s	4 ^h ♁ 4	3 ^h 19	5 ^h 53	25 ^h 26	9 ^h 52	25 ^h 12	21 ^h 11	7 ^h 46	12 ^h 15	25 ^h 10	26 ^h 20	29 ^h 27	15 ^h 21		
T 18	5 44 54	25 ^h 53 ^m 48 ^s	16 ^h 0	4 ^h 5	7 ^h 8	26 ^h 2	10 ^h 3	25 ^h 7	21 ^h 12	7 ^h 45	12 ^h 15	25 ^h 11	26 ^h 17	29 ^h 34	15 ^h 19		
W19	5 48 51	26 ^h 54 ^m 57 ^s	27 ^h 52'	4 ^h 56	8 ^h 23	26 ^h 38	10 ^h 14	25 ^h 2	21 ^h 13	7 ^h 44	12 ^h 14	25 ^h R12	26 ^h 14	29 ^h 41	15 ^h 16		
T 20	5 52 47	27 ^h 56 ^m 07 ^s	9 ^h Δ44	5 ^h 52	9 ^h 38	27 ^h 14	10 ^h 25	24 ^h 57	21 ^h 14	7 ^h 43	12 ^h 14	25 ^h 11	26 ^h 11	29 ^h 47	15 ^h 14		
F 21	5 56 44	28 ^h 57 ^m 17 ^s	21 ^h 41'	6 ^h 52	10 ^h 54	27 ^h 50	10 ^h 36	24 ^h 52	21 ^h 15	7 ^h 41	12 ^h 14	25 ^h 9	26 ^h 8	29 ^h 54	15 ^h 12		
S 22	6 0 40	29 ^h 58 ^m 27 ^s	3 ^h III48	7 ^h 55	12 ^h 9	28 ^h 26	10 ^h 46	24 ^h 47	21 ^h 16	7 ^h 40	12 ^h 14	25 ^h 6	26 ^h 5	0 ^h Ω 1	15 ^h 10		
S 23	6 4 37	0 ^h Ω59 ^m 38 ^s	16 ^h 8	9 ^h 1	13 ^h 24	29 ^h 2	10 ^h 57	24 ^h 42	21 ^h 17	7 ^h 39	12 ^h 14	25 ^h 2	26 ^h 1	0 ^h 7	15 ^h 8		
M24	6 8 34	2 ^h 0 ^m 50 ^s	28 ^h 44'	10 ^h 10	14 ^h 40	29 ^h 38	11 ^h 7	24 ^h 37	21 ^h 18	7 ^h 38	12 ^h 14	24 ^h 58	25 ^h 58	0 ^h 14	15 ^h 6		
T 25	6 12 30	3 ^h 2 ^m 02 ^s	11 ^h 7 ^m 38 ^s	11 ^h 21	15 ^h 55	0 ^h III14	11 ^h 18	24 ^h 32	21 ^h 19	7 ^h 36	12 ^h 14	24 ^h 54	25 ^h 55	0 ^h 21	15 ^h 4		
W26	6 16 27	4 ^h 3 ^m 14 ^s	24 ^h 50'	12 ^h 34	17 ^h 10	0 ^h 50	11 ^h 28	24 ^h 27	21 ^h 21	7 ^h 35	12 ^h 14	24 ^h 51	25 ^h 52	0 ^h 28	15 ^h 2		
T 27	6 20 23	5 ^h 4 ^m 26 ^s	8 ^h Ω19	13 ^h 50	18 ^h 26	1 ^h 26	11 ^h 38	24 ^h 22	21 ^h 22	7 ^h 34	12 ^h D14	24 ^h 49	25 ^h 49	0 ^h 34	15 ^h 0		
F 28	6 24 20	6 ^h 5 ^m 38 ^s	22 ^h 3	15 ^h 6	19 ^h 41	2 ^h 2	11 ^h 48	24 ^h 17	21 ^h 23	7 ^h 32	12 ^h 14	24 ^h D49	25 ^h 46	0 ^h 41	14 ^h 59		
S 29	6 28 16	7 ^h 6 ^m 50 ^s	6 ^h Ω 0	16 ^h 25	20 ^h 56	2 ^h 38	11 ^h 59	24 ^h 13	21 ^h 25	7 ^h 31	12 ^h 14	24 ^h 49	25 ^h 42	0 ^h 48	14 ^h 57		
S 30	6 32 13	8 ^h 8 ^m 02 ^s	20 ^h 5	17 ^h 44	22 ^h 12	3 ^h 13	12 ^h 8	24 ^h 8	21 ^h 26	7 ^h 29	12 ^h 14	24 ^h 50	25 ^h 39	0 ^h 54	14 ^h 55		
M31	6 36 10	9 ^h 9 ^m 13 ^s	4 ^h ✕15	19 ^h 7 ^m 44 ^s	23 ^h 7 ^m 27 ^s	3 ^h III49	12 ^h M18	24 ^h II 3	21 ^h ✕28	7 ^h Ω28	12 ^h Υ14	24 ^h Ω51	25 ^h Ω36	1 ^h Ω 1	14 ^h 54		

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S 2	21 56 19	4 1 15	20 17	1 31	15 41	1 21	5 15	1 17	12 53	1 3	22 14	1 12	4 15	0 46	18 17	0 2	11 5	17 21	21 3	20 47	5 0	14 4	2 43	
M 3	22 5 15	59 2 25	19 46	1 49	16 3	1 20	5 29	1 17	12 57	1 3	22 14	1 12	4 15	0 46	18 17	0 2	11 5	17 21	21 3	20 47	4 58	14 3	2 43	
T 4	22 14 11	58 3 27	19 18	2 4	16 25	1 18	5 43	1 17	13 1	1 3	22 14	1 12	4 15	0 46	18 17	0 2	11 5	17 21	21 3	20 48	4 55	14 2	2 43	
W 5	22 22 7	15 4 17	18 52	2 18	16 47	1 16	5 57	1 17	13 5	1 3	22 14	1 12	4 15	0 46	18 17	0 2	11 5	17 20	21 3	20 48	4 53	14 1	2 43	
T 6	22 30 2	7 4 52	18 30	2 29	17 8	1 14	6 11	1 17	13 8	1 3	22 14	1 12	4 14	0 46	18 18	0 2	11 5	17 20	21 3	20 49	4 51	14 1	2 43	
F 7	22 37 3n10	5 8 18	11 2	3 38	17 29	1 12	6 25	1 16	13 12	1 3	22 14	1 12	4 14	0 46	18 18	0 2	11 4	17 20	21 4	20 50	4 49	14 0	2 43	
S 8	22 43 8	17 5 6	17 56	2 45	17 49	1 10	6 39	1 16	13 16	1 3	22 14	1 12	4 14	0 46	18 18	0 2	11 4	17 19	21 5	20 50	4 46	13 59	2 43	
S 9	22 50 12	56 4 44	17 45	2 49	18 9	1 8	6 53	1 16	13 19	1 3	22 14	1 12	4 14	0 45	18 18	0 2	11 4	17 19	21 6	20 51	4 44	13 58	2 43	
M10	22 56 16	49 4 5	17 39	2 52	18 29	1 6	7 7	1 16	13 23	1 3	22 14	1 12	4 14	0 45	18 19	0 2	11 4	17 19	21 7	20 52	4 42	13 57	2 43	
T 11	23 1 19	41 3 12	17 36	2 52	18 47	1 4	7 20	1 16	13 27	1 3	22 13	1 12	4 13	0 45	18 19	0 2	11 4	17 18	21 8	20 52	4 39</			