

SWISS EPHEMERIS for the year 1661

JANUARY 1661 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	6 44 14	11☾11'56	9☾15	24°R45	27♁47	26♁31	12♁47	20♁44	28☾58	8☾48	20°R51	22°R 9	21♁37	29♁45	20☾19
S 2	6 48 11	12°13'08	24° 3	24☾12	28°57	27°16	12°51	20°49	29° 2	8°51	20♁50	21♁57	21°34	29°52	20°24
M 3	6 52 8	13°14'19	8♁59	23°27	0♁ 7	28° 1	12°56	20°55	29° 5	8°53	20°49	21°45	21°31	29°59	20°30
T 4	6 56 4	14°15'30	23°52	22°32	1°17	28°46	13° 0	21° 0	29° 9	8°55	20°48	21°36	21°28	0♁ 5	20°35
W 5	7 0 1	15°16'41	8♁34	21°28	2°28	29°31	13° 5	21° 5	29°12	8°57	20°47	21°29	21°25	0°12	20°40
T 6	7 3 57	16°17'50	23° 1	20°17	3°39	0☾16	13° 9	21°10	29°15	9° 0	20°46	21°26	21°21	0°19	20°46
F 7	7 7 54	17°18'59	7♁ 9	19° 1	4°49	1° 1	13°13	21°15	29°19	9° 2	20°45	21°24	21°18	0°25	20°51
S 8	7 11 50	18°20'08	20°58	17°42	6° 0	1°46	13°16	21°20	29°22	9° 4	20°44	21°24	21°15	0°32	20°57
S 9	7 15 47	19°21'16	4♁28	16°22	7°11	2°31	13°20	21°25	29°26	9° 6	20°43	21°24	21°12	0°39	21° 2
M10	7 19 43	20°22'23	17°42	15° 6	8°22	3°17	13°23	21°30	29°29	9° 9	20°41	21°22	21° 9	0°46	21° 7
T 11	7 23 40	21°23'29	0♁41	13°53	9°33	4° 2	13°26	21°34	29°33	9°11	20°40	21°18	21° 5	0°52	21°13
W12	7 27 37	22°24'34	13°29	12°47	10°44	4°47	13°29	21°39	29°36	9°13	20°39	21°11	21° 2	0°59	21°18
T 13	7 31 33	23°25'39	26° 6	11°49	11°55	5°32	13°32	21°44	29°40	9°15	20°39	21° 0	20°59	1° 6	21°24
F 14	7 35 30	24°26'43	8☾33	11° 0	13° 7	6°18	13°35	21°48	29°43	9°18	20°38	20°47	20°56	1°12	21°29
S 15	7 39 26	25°27'47	20°52	10°19	14°18	7° 3	13°37	21°53	29°47	9°20	20°37	20°33	20°53	1°19	21°34
S 16	7 43 23	26°28'49	3♁ 1	9°48	15°30	7°48	13°40	21°57	29°50	9°22	20°36	20°18	20°50	1°26	21°40
M17	7 47 19	27°29'51	15° 3	9°26	16°41	8°34	13°42	22° 1	29°54	9°24	20°35	20° 4	20°46	1°32	21°45
T 18	7 51 16	28°30'52	26°58	9°13	17°53	9°19	13°44	22° 5	29°57	9°26	20°34	19°52	20°43	1°39	21°51
W19	7 55 12	29°31'53	8♁48	9°D 9	19° 5	10° 5	13°45	22° 9	0♁ 1	9°28	20°33	19°43	20°40	1°46	21°56
T 20	7 59 9	0♁32'53	20°36	9°12	20°16	10°50	13°47	22°13	0° 4	9°31	20°32	19°37	20°37	1°52	22° 1
F 21	8 3 6	1°33'52	2♁26	9°23	21°28	11°36	13°48	22°17	0° 8	9°33	20°31	19°33	20°34	1°59	22° 7
S 22	8 7 2	2°34'51	14°21	9°41	22°40	12°22	13°50	22°21	0°11	9°35	20°30	19°32	20°30	2° 6	22°12
S 23	8 10 59	3°35'48	26°28	10° 6	23°52	13° 7	13°51	22°25	0°15	9°37	20°30	19°D32	20°27	2°13	22°17
M24	8 14 55	4°36'46	8♁50	10°36	25° 4	13°53	13°51	22°29	0°18	9°39	20°29	19°R32	20°24	2°19	22°23
T 25	8 18 52	5°37'42	21°35	11°12	26°17	14°39	13°52	22°32	0°22	9°41	20°28	19°31	20°21	2°26	22°28
W26	8 22 48	6°38'38	4♁45	11°52	27°29	15°24	13°52	22°36	0°26	9°43	20°27	19°28	20°18	2°33	22°33
T 27	8 26 45	7°39'33	18°25	12°37	28°41	16°10	13°53	22°39	0°29	9°45	20°26	19°22	20°15	2°39	22°38
F 28	8 30 41	8°40'27	2☾35	13°25	29°53	16°56	13°R53	22°43	0°33	9°47	20°26	19°14	20°11	2°46	22°44
S 29	8 34 38	9°41'21	17°13	14°18	1☾ 6	17°42	13°53	22°46	0°36	9°50	20°25	19° 4	20° 8	2°53	22°49
S 30	8 38 35	10°42'13	2♁13	15°13	2°18	18°28	13°52	22°49	0°39	9°52	20°24	18°53	20° 5	2°59	22°54
M31	8 42 31	11♁43'04	17♁25	16☾12	3☾30	19☾14	13♁52	22♁52	0♁43	9☾54	20♁23	18♁43	20♁ 2	3♁ 6	22☾59

Delta T = 34.42 sec. Greg. Calendar

FEBRUARY 1661 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	8 46 28	12♁43'54	2♁38	17☾14	4☾43	20☾ 0	13°R51	22♁55	0♁46	9☾56	20°R23	18°R34	19♁59	3♁13	23☾ 4
W 2	8 50 24	13°44'42	17°43	18°17	5°55	20°46	13♁50	22°58	0°50	9°58	20♁22	18♁28	19°56	3°19	23°10
T 3	8 54 21	14°45'29	2♁30	19°24	7° 8	21°32	13°49	23° 1	0°53	9°59	20°22	18°25	19°52	3°26	23°15
F 4	8 58 17	15°46'14	16°54	20°32	8°21	22°18	13°48	23° 3	0°57	10° 1	20°21	18°D24	19°49	3°33	23°20
S 5	9 2 14	16°46'58	0♁54	21°43	9°33	23° 4	13°46	23° 6	1° 0	10° 3	20°20	18°24	19°46	3°39	23°25
S 6	9 6 10	17°47'40	14°28	22°55	10°46	23°50	13°44	23° 8	1° 4	10° 5	20°20	18°R25	19°43	3°46	23°30
M 7	9 10 7	18°48'21	27°41	24° 9	11°59	24°36	13°43	23°11	1° 7	10° 7	20°19	18°25	19°40	3°53	23°35
T 8	9 14 4	19°48'59	10♁34	25°25	13°11	25°22	13°41	23°13	1°10	10° 9	20°19	18°22	19°36	4° 0	23°40
W 9	9 18 0	20°49'36	23°10	26°42	14°24	26° 8	13°38	23°15	1°14	10°11	20°18	18°18	19°33	4° 6	23°45
T 10	9 21 57	21°50'12	5☾34	28° 1	15°37	26°54	13°36	23°17	1°17	10°13	20°18	18°11	19°30	4°13	23°50
F 11	9 25 53	22°50'45	17°48	29°21	16°50	27°41	13°33	23°19	1°20	10°14	20°17	18° 1	19°27	4°20	23°55
S 12	9 29 50	23°51'17	29°54	0♁42	18° 3	28°27	13°31	23°21	1°24	10°16	20°17	17°51	19°24	4°26	23°59
S 13	9 33 46	24°51'48	11♁53	2° 5	19°16	29°13	13°28	23°23	1°27	10°18	20°16	17°40	19°21	4°33	24° 4
M14	9 37 43	25°52'16	23°48	3°29	20°29	29°59	13°24	23°25	1°30	10°20	20°16	17°30	19°17	4°40	24° 9
T 15	9 41 39	26°52'43	5♁39	4°54	21°42	0♁46	13°21	23°27	1°34	10°21	20°15	17°21	19°14	4°46	24°14
W16	9 45 36	27°53'08	17°28	6°20	22°55	1°32	13°18	23°28	1°37	10°23	20°15	17°15	19°11	4°53	24°19
T 17	9 49 32	28°53'32	29°18	7°47	24° 8	2°18	13°14	23°30	1°40	10°25	20°15	17°10	19° 8	5° 0	24°23
F 18	9 53 29	29°53'54	11♁10	9°15	25°21	3° 5	13°10	23°31	1°43	10°26	20°14	17° 9	19° 5	5° 6	24°28
S 19	9 57 26	0♁54'15	23° 9	10°45	26°34	3°51	13° 6	23°32	1°47	10°28	20°14	17°D 8	19° 2	5°13	24°33
S 20	10 1 22	1°54'34	5♁17	12°16	27°47	4°38	13° 2	23°33	1°50	10°30	20°14	17°10	18°58	5°20	24°37
M21	10 5 19	2°54'52	17°40	13°47	29° 0	5°24	12°58	23°34	1°53	10°31	20°14	17°11	18°55	5°26	24°42
T 22	10 9 15	3°55'09	0♁21	15°20	0♁13	6°11	12°53	23°35	1°56	10°33	20°13	17°R12	18°52	5°33	24°46
W23	10 13 12	4°55'23	13°26	16°54	1°26	6°57	12°48	23°36	1°59	10°34	20°13	17°12	18°49	5°40	24°51
T 24	10 17 8	5°55'37	26°57	18°28	2°39	7°44	12°44	23°37	2° 2	10°36	20°13	17°10	18°46	5°46	24°55
F 25	10 21 5	6°55'49	10☾57	20° 4	3°53	8°30	12°39	23°37	2° 5	10°37	20°13	17° 6	18°42	5°53	24°59
S 26	10 25 1	7°55'59	25°25	21°41	5° 6	9°17	12°33	23°38	2° 8	10°39	20°13	17° 1	18°39	6° 0	25° 4
S 27	10 28 58	8°56'08	10♁17	23°19	6°19	10° 3	12°28	23°38	2°11	10°40	20°12	16°55	18°36	6° 7	25° 8
M28	10 32 55	9♁56'15	25♁26	24♁58	7♁32	10♁50	12♁23	23♁38	2♁14	10☾42	20♁12	16♁49	18♁33	6♁13	25☾12

Delta T = 34.34 sec. Greg. Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [13.11.2015]

SWISS EPHEMERIS for the year 1661

MARCH 1661 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♂	♃	♄
T 1	10 36 51	10 ^h 56'20	10 ^h 42'	26 [°] 38'	8 [°] 46'	11 [°] 36'	12 [°] R17	23 ^h 39	2 [°] 17	10 [°] 43	20 [°] R12	16 [°] R45	18 [°] 30	6 ^h 20	25 [°] 16
W 2	10 40 48	11 [°] 56'23	25 [°] 56'	28 [°] 19'	9 [°] 59'	12 [°] 23'	12 ^h 11	23 ^h R39	2 [°] 20	10 [°] 44	20 ^h 12	16 ^h 41	18 [°] 27	6 ^h 27	25 [°] 21
T 3	10 44 44	12 [°] 56'24	10 ^h 56'	0 ^h 2	11 [°] 12'	13 [°] 9'	12 [°] 6'	23 ^h 39	2 [°] 23	10 [°] 46	20 ^h 12	16 ^h D40	18 [°] 23	6 ^h 33	25 [°] 25
F 4	10 48 41	13 [°] 56'24	25 [°] 35'	1 [°] 45'	12 [°] 26'	13 [°] 56'	12 [°] 0'	23 ^h 39	2 [°] 26	10 [°] 47	20 ^h D12	16 [°] 40	18 [°] 20	6 ^h 40	25 [°] 29
S 5	10 52 37	14 [°] 56'21	9 ^h 49	3 [°] 30'	13 [°] 39'	14 [°] 43'	11 [°] 54'	23 ^h 38	2 [°] 29	10 [°] 48	20 ^h 12	16 [°] 41	18 [°] 17	6 ^h 47	25 [°] 33
S 6	10 56 34	15 [°] 56'15	23 [°] 36'	5 [°] 15'	14 [°] 52'	15 [°] 29'	11 [°] 47'	23 ^h 38	2 [°] 31	10 [°] 49	20 ^h 12	16 [°] 43	18 [°] 14	6 ^h 53	25 [°] 37
M 7	11 0 30	16 [°] 56'08	6 ^h 15	7 [°] 2	16 [°] 6'	16 [°] 16'	11 [°] 41'	23 ^h 38	2 [°] 34	10 [°] 50	20 ^h 12	16 [°] 44	18 [°] 11	7 [°] 0	25 [°] 40
T 8	11 4 27	17 [°] 55'59	19 [°] 52'	8 [°] 50'	17 [°] 19'	17 [°] 3	11 [°] 35'	23 ^h 37	2 [°] 37	10 [°] 52	20 ^h 12	16 [°] R45	18 [°] 8	7 [°] 7	25 [°] 44
W 9	11 8 24	18 [°] 55'47	2 ^h 28	10 [°] 39'	18 [°] 32'	17 [°] 49'	11 [°] 28'	23 ^h 37	2 [°] 40	10 [°] 53	20 ^h 12	16 [°] 44	18 [°] 4	7 ^h 13	25 [°] 48
T 10	11 12 20	19 [°] 55'33	14 ^h 48	12 [°] 30'	19 [°] 46'	18 [°] 36'	11 [°] 21'	23 ^h 36	2 [°] 42	10 [°] 54	20 ^h 13	16 [°] 42	18 [°] 1	7 ^h 20	25 [°] 52
F 11	11 16 17	20 [°] 55'16	26 [°] 56'	14 [°] 21'	20 [°] 59'	19 [°] 23'	11 [°] 15'	23 ^h 35	2 [°] 45	10 [°] 55	20 ^h 13	16 [°] 38	17 [°] 58	7 ^h 27	25 [°] 55
S 12	11 20 13	21 [°] 54'58	8 ^h 25	16 [°] 14'	22 [°] 12'	20 [°] 9'	11 [°] 8'	23 ^h 34	2 [°] 48	10 [°] 56	20 ^h 13	16 [°] 34	17 [°] 55	7 ^h 33	25 [°] 59
S 13	11 24 10	22 [°] 54'37	20 ^h 47	18 [°] 8'	23 [°] 26'	20 [°] 56'	11 [°] 1	23 ^h 33	2 [°] 50	10 [°] 57	20 ^h 13	16 [°] 30	17 [°] 52	7 ^h 40	26 [°] 3
M 14	11 28 6	23 [°] 54'14	2 ^h 37	20 [°] 3	24 [°] 39'	21 [°] 43'	10 [°] 54'	23 ^h 32	2 [°] 53	10 [°] 58	20 ^h 13	16 [°] 26	17 [°] 48	7 ^h 47	26 [°] 6
T 15	11 32 3	24 [°] 53'49	14 ^h 27	21 [°] 59'	25 [°] 53'	22 [°] 29'	10 [°] 47'	23 ^h 31	2 [°] 55	10 [°] 59	20 ^h 14	16 [°] 23	17 [°] 45	7 ^h 53	26 [°] 10
W 16	11 35 59	25 [°] 53'22	26 ^h 18	23 [°] 57'	27 [°] 6'	23 [°] 16'	10 [°] 39'	23 ^h 29	2 [°] 58	11 [°] 0	20 ^h 14	16 [°] 21	17 [°] 42	8 [°] 0	26 [°] 13
T 17	11 39 56	26 [°] 52'52	8 ^h 12	25 [°] 55'	28 [°] 20'	24 [°] 3	10 [°] 32'	23 ^h 28	3 [°] 0	11 [°] 1	20 ^h 14	16 [°] 19	17 [°] 39	8 [°] 7	26 [°] 16
F 18	11 43 52	27 [°] 52'21	20 ^h 13	27 [°] 54'	29 [°] 33'	24 [°] 49'	10 [°] 25'	23 ^h 27	3 [°] 2	11 [°] 2	20 ^h 14	16 ^h D19	17 [°] 36	8 ^h 13	26 [°] 20
S 19	11 47 49	28 [°] 51'48	2 ^h 20	29 [°] 55'	0 ^h 46	25 [°] 36'	10 [°] 17'	23 ^h 25	3 [°] 5	11 [°] 2	20 ^h 15	16 [°] 20	17 [°] 33	8 ^h 20	26 [°] 23
S 20	11 51 46	29 [°] 51'13	14 ^h 38	1 ^h 56	2 [°] 0	26 [°] 23'	10 [°] 10'	23 ^h 23	3 [°] 7	11 [°] 3	20 ^h 15	16 [°] 21	17 [°] 29	8 ^h 27	26 [°] 26
M 21	11 55 42	0 ^h 50'36	27 [°] 9	3 [°] 57'	3 [°] 13'	27 [°] 9'	10 [°] 2	23 ^h 22	3 [°] 9	11 [°] 4	20 ^h 15	16 [°] 22	17 [°] 26	8 ^h 33	26 [°] 29
T 22	11 59 39	1 [°] 49'57	9 ^h 15	6 [°] 0	4 [°] 27'	27 [°] 56'	9 [°] 55'	23 ^h 20	3 [°] 12	11 [°] 5	20 ^h 16	16 [°] 24	17 [°] 23	8 ^h 40	26 [°] 32
W 23	12 3 35	2 [°] 49'17	23 [°] 1	8 [°] 2	5 [°] 40'	28 [°] 43'	9 [°] 47'	23 ^h 18	3 [°] 14	11 [°] 5	20 ^h 16	16 [°] 24	17 [°] 20	8 ^h 47	26 [°] 35
T 24	12 7 32	3 [°] 48'34	6 ^h 28	10 [°] 5	6 [°] 54'	29 [°] 30'	9 [°] 40'	23 ^h 16	3 [°] 16	11 [°] 6	20 ^h 17	16 ^h R25	17 [°] 17	8 ^h 53	26 [°] 38
F 25	12 11 28	4 [°] 47'50	20 ^h 17	12 [°] 7	8 [°] 7	0 ^h 16	9 [°] 32'	23 ^h 13	3 [°] 18	11 [°] 7	20 ^h 17	16 [°] 24	17 [°] 13	9 [°] 0	26 [°] 41
S 26	12 15 25	5 [°] 47'05	4 ^h 30	14 [°] 9	9 [°] 21'	1 [°] 3	9 [°] 24'	23 ^h 11	3 [°] 20	11 [°] 7	20 ^h 18	16 [°] 23	17 [°] 10	9 [°] 7	26 [°] 44
S 27	12 19 21	6 [°] 46'17	19 [°] 4	16 [°] 11	10 [°] 34'	1 [°] 50'	9 [°] 17'	23 ^h 9	3 [°] 22	11 [°] 8	20 ^h 18	16 [°] 22	17 [°] 7	9 ^h 13	26 [°] 46
M 28	12 23 18	7 [°] 45'28	3 ^h 55	18 [°] 11	11 [°] 48'	2 [°] 36'	9 [°] 9'	23 ^h 7	3 [°] 24	11 [°] 8	20 ^h 19	16 [°] 21	17 [°] 4	9 ^h 20	26 [°] 49
T 29	12 27 15	8 [°] 44'36	18 [°] 56	20 [°] 10	13 [°] 1	3 [°] 23'	9 [°] 1	23 ^h 4	3 [°] 26	11 [°] 9	20 ^h 19	16 [°] 20	17 [°] 1	9 ^h 27	26 [°] 52
W 30	12 31 11	9 [°] 43'43	4 ^h 0	22 [°] 7	14 [°] 15	4 [°] 10'	8 [°] 53'	23 ^h 1	3 [°] 28	11 [°] 9	20 ^h 20	16 [°] 20	16 [°] 58	9 ^h 33	26 [°] 54
T 31	12 35 8	10 ^h 42'48	18 ^h 56	24 ^h 2	15 ^h 28	4 ^h 56	8 ^h 46	22 ^h 59	3 ^h 30	11 ^h 10	20 ^h 20	16 ^h D20	16 ^h 54	9 ^h 40	26 ^h 56

Delta T = 34.27 sec.

Greg. Calendar

APRIL 1661 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♂	♃	♄
F 1	12 39 4	11 ^h 41'50	3 ^h 38	25 ^h 54	16 ^h 42	5 ^h 43	8 ^h R38	22 ^h R56	3 ^h 32	11 ^h 10	20 ^h 21	16 ^h 20	16 ^h 51	9 ^h 47	26 ^h 59
S 2	12 43 1	12 [°] 40'51	17 [°] 58	27 [°] 44'	17 [°] 55'	6 [°] 30'	8 ^h 30	22 ^h 53	3 [°] 33	11 [°] 10	20 ^h 22	16 [°] 20	16 [°] 48	9 ^h 53	27 [°] 1
S 3	12 46 57	13 [°] 39'49	1 ^h 54	29 [°] 30'	19 [°] 9'	7 [°] 16'	8 ^h 23	22 [°] 50	3 [°] 35	11 [°] 11	20 ^h 22	16 [°] 21	16 [°] 45	10 [°] 0	27 [°] 3
M 4	12 50 54	14 [°] 38'45	15 [°] 23	1 ^h 13	20 [°] 22'	8 [°] 3	8 ^h 15	22 [°] 47	3 [°] 37	11 [°] 11	20 ^h 23	16 [°] 21	16 [°] 42	10 [°] 7	27 [°] 6
T 5	12 54 50	15 [°] 37'39	28 [°] 27	2 [°] 51'	21 [°] 36'	8 [°] 50'	8 [°] 7	22 [°] 44	3 [°] 38	11 [°] 11	20 ^h 24	16 [°] 21	16 [°] 39	10 ^h 14	27 [°] 8
W 6	12 58 47	16 [°] 36'30	11 ^h 8	4 [°] 26'	22 [°] 49'	9 [°] 36'	8 [°] 0	22 [°] 41	3 [°] 40	11 [°] 12	20 ^h 24	16 [°] 21	16 [°] 35	10 ^h 20	27 [°] 10
T 7	13 2 44	17 [°] 35'20	23 [°] 29	5 [°] 56'	24 [°] 3	10 [°] 23'	7 [°] 52	22 [°] 38	3 [°] 41	11 [°] 12	20 ^h 25	16 [°] 21	16 [°] 32	10 ^h 27	27 [°] 12
F 8	13 6 40	18 [°] 34'07	5 ^h 26	7 [°] 21	25 [°] 16'	11 [°] 9'	7 [°] 45	22 [°] 35	3 [°] 43	11 [°] 12	20 ^h 26	16 [°] 21	16 [°] 29	10 ^h 34	27 [°] 14
S 9	13 10 37	19 [°] 32'51	17 [°] 33	8 [°] 41	26 [°] 30'	11 [°] 56'	7 [°] 37	22 [°] 31	3 [°] 44	11 [°] 12	20 ^h 26	16 [°] 21	16 [°] 26	10 ^h 40	27 [°] 15
S 10	13 14 33	20 [°] 31'33	29 [°] 24	9 [°] 57'	27 [°] 43'	12 [°] 42'	7 [°] 30	22 [°] 28	3 [°] 46	11 [°] 12	20 ^h 27	16 [°] 22	16 [°] 23	10 ^h 47	27 [°] 17
M 11	13 18 30	21 [°] 30'14	11 ^h 12	11 [°] 7	28 [°] 57'	13 [°] 29'	7 [°] 23	22 [°] 25	3 [°] 47	11 [°] 12	20 ^h 28	16 [°] 22	16 [°] 19	10 ^h 54	27 [°] 19
T 12	13 22 26	22 [°] 28'52	23 [°] 3	12 [°] 11'	0 ^h 10	14 [°] 15'	7 [°] 15	22 [°] 21	3 [°] 48	11 ^h R12	20 ^h 29	16 [°] 23	16 [°] 16	11 [°] 0	27 [°] 20
W 13	13 26 23	23 [°] 27'27	4 ^h 58	13 [°] 10	1 [°] 24	15 [°] 2	7 [°] 8	22 [°] 18	3 [°] 50	11 [°] 12	20 ^h 30	16 [°] 23	16 [°] 13	11 [°] 7	27 [°] 22
T 14	13 30 19	24 [°] 26'01	17 [°] 0	14 [°] 4	2 [°] 37'	15 [°] 48'	7 [°] 1	22 [°] 14	3 [°] 51	11 [°] 12	20 ^h 31	16 ^h R23	16 [°] 10	11 ^h 14	27 [°] 23
F 15	13 34 16	25 [°] 24'33	29 [°] 12	14 [°] 51	3 [°] 51'	16 [°] 35'	6 [°] 54	22 [°] 10	3 [°] 52	11 [°] 12	20 ^h 31	16 [°] 23	16 [°] 7	11 ^h 20	27 [°] 25
S 16	13 38 12	26 [°] 23'03	11 ^h 35	15 [°] 34	5 [°] 4	17 [°] 21'	6 [°] 47	22 [°] 6	3 [°] 53	11 [°] 12	20 ^h 32	16 [°] 22	16 [°] 4	11 ^h 27	27 [°] 26
S 17	13 42 9	27 [°] 21'31	24 [°] 9	16 [°] 10	6 [°] 18	18 [°] 8	6 [°] 40</								

SWISS EPHEMERIS for the year 1661

MAY 1661 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	14 37 21	10♂57'17	9♂II53	15°R 9	23°V27	28♂X55	5°R16	21°R 5	4♂♂ 4	11°R 7	20♂II48	16°R11	15♂♂16	13♂♂ 7	27♂♂37
M 2	14 41 17	11°55'21	23°24	14♂♂35	24°40	29°41	5♂♂11	21♂♂ 0	4° 4	11♂♂ 6	20°49	16♂♂ 8	15°13	13°14	27°37
T 3	14 45 14	12°53'23	6♂♂31	13°59	25°54	0°V27	5° 6	20°56	4° 5	11° 5	20°50	16° 4	15°10	13°20	27°R37
W 4	14 49 10	13°51'23	19°15	13°23	27° 7	1°13	5° 1	20°51	4° 5	11° 5	20°51	16° 1	15° 6	13°27	27°37
T 5	14 53 7	14°49'21	1♂♂40	12°46	28°21	1°59	4°57	20°47	4° 5	11° 4	20°52	15°59	15° 3	13°34	27°37
F 6	14 57 4	15°47'18	13°48	12°10	29°34	2°45	4°52	20°43	4° 5	11° 3	20°53	15°D58	15° 0	13°40	27°37
S 7	15 1 0	16°45'12	25°46	11°35	0♂♂48	3°31	4°48	20°38	4° 5	11° 3	20°55	15°58	14°57	13°47	27°36
S 8	15 4 57	17°43'05	7♂♂37	11° 1	2° 1	4°16	4°44	20°34	4°R 5	11° 2	20°56	16° 0	14°54	13°54	27°36
M 9	15 8 53	18°40'56	19°26	10°30	3°15	5° 2	4°40	20°29	4° 5	11° 1	20°57	16° 1	14°50	14° 0	27°36
T 10	15 12 50	19°38'45	1♂♂18	10° 2	4°28	5°48	4°36	20°25	4° 5	11° 0	20°58	16° 3	14°47	14° 7	27°35
W 11	15 16 46	20°36'33	13°18	9°36	5°42	6°34	4°32	20°20	4° 5	10°59	21° 0	16°R 4	14°44	14°14	27°35
T 12	15 20 43	21°34'19	25°28	9°15	6°55	7°19	4°29	20°16	4° 5	10°58	21° 1	16° 3	14°41	14°20	27°34
F 13	15 24 39	22°32'03	7♂♂52	8°57	8° 9	8° 5	4°26	20°11	4° 5	10°57	21° 2	16° 1	14°38	14°27	27°33
S 14	15 28 36	23°29'46	20°32	8°43	9°22	8°50	4°23	20° 7	4° 5	10°57	21° 3	15°58	14°35	14°34	27°33
S 15	15 32 33	24°27'28	3♂♂27	8°34	10°36	9°36	4°20	20° 2	4° 4	10°56	21° 5	15°52	14°31	14°40	27°32
M 16	15 36 29	25°25'08	16°37	8°29	11°49	10°21	4°17	19°58	4° 4	10°55	21° 6	15°46	14°28	14°47	27°31
T 17	15 40 26	26°22'47	0♂♂ 2	8°D28	13° 3	11° 7	4°14	19°53	4° 3	10°54	21° 7	15°40	14°25	14°54	27°30
W 18	15 44 22	27°20'25	13°40	8°32	14°16	11°52	4°12	19°49	4° 3	10°53	21° 9	15°34	14°22	15° 0	27°29
T 19	15 48 19	28°18'02	27°28	8°40	15°30	12°38	4°10	19°45	4° 3	10°51	21°10	15°29	14°19	15° 7	27°28
F 20	15 52 15	29°15'38	11♂♂25	8°53	16°43	13°23	4° 8	19°40	4° 2	10°50	21°11	15°25	14°16	15°14	27°26
S 21	15 56 12	0♂♂13'13	25°28	9°11	17°56	14° 8	4° 6	19°36	4° 1	10°49	21°13	15°D24	14°12	15°20	27°25
S 22	16 0 8	1°10'48	9♂♂37	9°33	19°10	14°53	4° 4	19°31	4° 1	10°48	21°14	15°24	14° 9	15°27	27°24
M 23	16 4 5	2° 8'21	23°50	9°59	20°23	15°39	4° 2	19°27	4° 0	10°47	21°15	15°25	14° 6	15°34	27°22
T 24	16 8 2	3° 5'53	8°V 5	10°29	21°37	16°24	4° 1	19°23	3°59	10°46	21°17	15°R26	14° 3	15°40	27°21
W 25	16 11 58	4° 3'25	22°20	11° 4	22°51	17° 9	4° 0	19°19	3°58	10°45	21°18	15°26	14° 0	15°47	27°19
T 26	16 15 55	5° 0'55	6♂♂31	11°42	24° 4	17°54	3°59	19°14	3°58	10°43	21°19	15°24	13°56	15°54	27°18
F 27	16 19 51	5°58'25	20°36	12°25	25°18	18°39	3°58	19°10	3°57	10°42	21°21	15°20	13°53	16° 0	27°16
S 28	16 23 48	6°55'54	4♂♂29	13°11	26°31	19°24	3°58	19° 6	3°56	10°41	21°22	15°14	13°50	16° 7	27°14
S 29	16 27 44	7°53'22	18° 8	14° 1	27°45	20° 9	3°57	19° 2	3°55	10°40	21°23	15° 6	13°47	16°14	27°13
M 30	16 31 41	8°50'49	1♂♂29	14°54	28°58	20°53	3°57	18°58	3°54	10°38	21°25	14°57	13°44	16°20	27°11
T 31	16 35 37	9♂♂48'15	14♂♂31	15♂♂51	0♂♂12	21°V38	3°D57	18♂♂54	3♂♂53	10♂♂37	21♂♂26	14♂♂48	13♂♂41	16♂♂27	27♂♂ 9

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Greg. Calendar

JUNE 1661 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
W 1	16 39 34	10♂II45'40	27♂♂13	16♂♂52	1♂♂25	22°V23	3♂♂57	18°R50	3°R52	10°R36	21♂♂28	14°R40	13♂♂37	16♂♂33	27°R 7
T 2	16 43 31	11°43'04	9♂♂36	17°55	2°39	23° 8	3°57	18♂♂46	3♂♂51	10♂♂34	21°29	14♂♂33	13°34	16°40	27♂♂ 5
F 3	16 47 27	12°40'27	21°45	19° 3	3°52	23°52	3°58	18°42	3°49	10°33	21°31	14°29	13°31	16°47	27° 3
S 4	16 51 24	13°37'48	3♂♂42	20°13	5° 6	24°37	3°58	18°38	3°48	10°32	21°32	14°26	13°28	16°53	27° 1
S 5	16 55 20	14°35'09	15°33	21°27	6°19	25°21	3°59	18°34	3°47	10°30	21°33	14°D26	13°25	17° 0	26°58
M 6	16 59 17	15°32'28	27°23	22°43	7°33	26° 5	4° 0	18°30	3°46	10°29	21°35	14°26	13°22	17° 7	26°56
T 7	17 3 13	16°29'47	9♂♂16	24° 3	8°46	26°50	4° 1	18°27	3°44	10°27	21°36	14°R27	13°18	17°13	26°54
W 8	17 7 10	17°27'04	21°19	25°26	10° 0	27°34	4° 3	18°23	3°43	10°26	21°38	14°27	13°15	17°20	26°51
T 9	17 11 6	18°24'21	3♂♂35	26°52	11°14	28°18	4° 4	18°20	3°41	10°24	21°39	14°25	13°12	17°27	26°49
F 10	17 15 3	19°21'37	16° 9	28°21	12°27	29° 2	4° 6	18°16	3°40	10°23	21°40	14°21	13° 9	17°33	26°47
S 11	17 19 0	20°18'52	29° 2	29°53	13°41	29°47	4° 8	18°13	3°38	10°21	21°42	14°15	13° 6	17°40	26°44
S 12	17 22 56	21°16'06	12♂♂16	1♂♂27	14°54	0♂♂31	4°10	18° 9	3°37	10°20	21°43	14° 6	13° 2	17°47	26°41
M 13	17 26 53	22°13'20	25°50	3° 5	16° 8	1°15	4°12	18° 6	3°35	10°18	21°45	13°56	12°59	17°53	26°39
T 14	17 30 49	23°10'34	9♂♂40	4°46	17°21	1°58	4°15	18° 3	3°34	10°17	21°46	13°45	12°56	18° 0	26°36
W 15	17 34 46	24° 7'47	23°44	6°30	18°35	2°42	4°17	17°59	3°32	10°15	21°48	13°35	12°53	18° 7	26°33
T 16	17 38 42	25° 5'00	7♂♂56	8°16	19°49	3°26	4°20	17°56	3°30	10°14	21°49	13°27	12°50	18°13	26°31
F 17	17 42 39	26° 2'12	22°11	10° 5	21° 2	4°10	4°23	17°53	3°29	10°12	21°50	13°20	12°47	18°20	26°28
S 18	17 46 35	26°59'25	6♂♂26	11°57	22°16	4°54	4°26	17°50	3°27	10°11	21°52	13°17	12°43	18°27	26°25
S 19	17 50 32	27°56'37	20°38	13°52	23°29	5°37	4°29	17°47	3°25	10° 9	21°53	13°16	12°40	18°33	26°22
M 20	17 54 29	28°53'49	4°V46	15°48	24°43	6°21	4°33	17°45	3°23	10° 8	21°55	13°D15	12°37	18°40	26°19
T 21	17 58 25	29°51'02	18°47	17°48	25°57	7° 4	4°36	17°42	3°22	10° 6	21°56	13°R15	12°34	18°47	26°16
W 22	18 2 22	0♂♂48'14	2♂♂43	19°49	27°10	7°47	4°40	17°39	3°20	10° 4	21°58	13°14	12°31	18°53	26°13
T 23	18 6 18	1°45'27	16°31	21°53	28°24	8°31	4°44	17°37	3°18	10° 3	21°59	13°11	12°27	19° 0	26°10
F 24	18 10 15	2°42'39	0♂♂10	23°58	29°38	9°14	4°48	17°34	3°16	10° 1	22° 0	13° 5	12°24	19° 7	26° 7
S 25	18 14 11	3°39'52	13°40	26° 5	0♂♂51	9°57	4°52	17°32	3°14	10° 0	22° 2	12°56	12°21	19°13	26° 4
S 26	18 18 8	4°37'05	26°57	28°13	2° 5	10°40	4°56	17°29	3°12	9°58	22° 3	12°45	12°18	19°20	26° 1
M 27	18 22 5	5°34'17	10♂♂ 1	0♂♂22	3°19	11°23	5° 1	17°27	3°10	9°56	22° 5	12°33	12°15	19°27	25°57
T 28	18 26 1	6°31'30	22°49	2°32	4°33	12° 6	5° 6	17°25	3° 8	9°55	22° 6	12°20	12°12	19°33	25°54
W 29	18 29 58	7°28'42	5♂♂22	4°42	5°46	12°49	5°11	17°23	3° 6	9°53	22° 7	12° 8	12° 8	19°40	25°51
T 30	18 33 54	8♂♂25'54	17♂♂40	6♂♂53	7♂♂ 0	13♂♂32	5♂♂16	17♂♂21	3♂♂ 4	9♂♂52	22♂♂ 9	11♂♂58	12♂♂ 5	19♂♂47	25♂♂48

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Greg. Calendar

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SWISS EPHEMERIS for the year 1661

JULY 1661 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏
F 1	18 37 51	9 ^h 23'06"	29 ^h 04'5"	9 ^h 03'	8 ^h 01'4"	14 ^h 15'	5 ^h 21'	17 ^h R19	3 ^h R 2	9 ^h R50	22 ^h II10	11 ^h R51	12 ^h ♁ 2	19 ^h ♂53	25 ^h R44			
S 2	18 41 47	10 ^h 20'18"	11 ^h 1 ^h 40	11°13'	9°28'	14°57'	5°26'	17 ^h ℒ17	2 ^h ≈59	9 ^h ♁48	22°11'	11 ^h ♁47	11°59'	20° 0'	25 ^h ♁41			
S 3	18 45 44	11°17'30"	23°29'	13°22'	10°41'	15°40'	5°32'	17°15'	2°57'	9°47'	22°13'	11°44'	11°56'	20° 7'	25°38'			
M 4	18 49 40	12°14'42"	5 ^h 17	15°30'	11°55'	16°22'	5°37'	17°14'	2°55'	9°45'	22°14'	11°44'	11°53'	20°13'	25°34'			
T 5	18 53 37	13°11'53"	17°10'	17°38'	13° 9'	17° 5'	5°43'	17°12'	2°53'	9°43'	22°16'	11°44'	11°49'	20°20'	25°31'			
W 6	18 57 33	14° 9'05"	29°13'	19°44'	14°23'	17°47'	5°49'	17°11'	2°51'	9°42'	22°17'	11°43'	11°46'	20°27'	25°27'			
T 7	19 1 30	15° 6'16"	11 ^h ℒ31	21°48'	15°37'	18°29'	5°55'	17° 9'	2°48'	9°40'	22°18'	11°41'	11°43'	20°33'	25°24'			
F 8	19 5 27	16° 3'28"	24° 9'	23°51'	16°50'	19°11'	6° 1'	17° 8'	2°46'	9°39'	22°20'	11°37'	11°40'	20°40'	25°20'			
S 9	19 9 23	17° 0'39"	7 ^h 10	25°53'	18° 4'	19°53'	6° 7'	17° 7'	2°44'	9°37'	22°21'	11°30'	11°37'	20°47'	25°17'			
S 10	19 13 20	17°57'51"	20°37'	27°53'	19°18'	20°35'	6°14'	17° 6'	2°42'	9°35'	22°22'	11°21'	11°33'	20°53'	25°13'			
M 11	19 17 16	18°55'04"	4 ^h 27	29°51'	20°32'	21°17'	6°20'	17° 5'	2°39'	9°34'	22°23'	11°11'	11°30'	21° 0'	25°10'			
T 12	19 21 13	19°52'16"	18°39'	1 ^h 048	21°46'	21°59'	6°27'	17° 4'	2°37'	9°32'	22°25'	10°59'	11°27'	21° 6'	25° 7'			
W 13	19 25 9	20°49'29"	3 ^h ≈7	3°43'	22°59'	22°41'	6°34'	17° 3'	2°35'	9°31'	22°26'	10°48'	11°24'	21°13'	25° 3'			
T 14	19 29 6	21°46'42"	17°45'	5°36'	24°13'	23°22'	6°41'	17° 2'	2°32'	9°29'	22°27'	10°39'	11°21'	21°20'	25° 0'			
F 15	19 33 3	22°43'56"	2 ^h 24	7°27'	25°27'	24° 4'	6°48'	17° 2'	2°30'	9°27'	22°29'	10°33'	11°18'	21°26'	24°56'			
S 16	19 36 59	23°41'11"	16°59'	9°17'	26°41'	24°45'	6°55'	17° 1'	2°28'	9°26'	22°30'	10°29'	11°14'	21°33'	24°53'			
S 17	19 40 56	24°38'26"	1 ^h 24	11° 4'	27°55'	25°27'	7° 3'	17° 1'	2°25'	9°24'	22°31'	10°27'	11°11'	21°40'	24°49'			
M 18	19 44 52	25°35'43"	15°37'	12°50'	29° 9'	26° 8'	7°10'	17° 0'	2°23'	9°23'	22°32'	10°D27	11° 8'	21°46'	24°45'			
T 19	19 48 49	26°33'00"	29°37'	14°34'	0 ^h 23	26°49'	7°18'	17° 0'	2°21'	9°21'	22°34'	10°R27	11° 5'	21°53'	24°42'			
W 20	19 52 45	27°30'18"	13 ^h 23	16°17'	1°37'	27°30'	7°26'	17° 0'	2°18'	9°20'	22°35'	10°26'	11° 2'	22° 0'	24°38'			
T 21	19 56 42	28°27'38"	26°55'	17°57'	2°51'	28°11'	7°33'	17°D 0	2°16'	9°18'	22°36'	10°23'	10°59'	22° 6'	24°35'			
F 22	20 0 38	29°24'58"	10 ^h II16	19°36'	4° 5'	28°52'	7°41'	17° 0'	2°13'	9°17'	22°37'	10°18'	10°55'	22°13'	24°31'			
S 23	20 4 35	0 ^h 22'19"	23°24'	21°13'	5°19'	29°33'	7°50'	17° 0'	2°11'	9°15'	22°38'	10°10'	10°52'	22°20'	24°28'			
S 24	20 8 32	1°19'41"	6 ^h 20	22°48'	6°33'	0 ^h II14	7°58'	17° 0'	2° 9'	9°14'	22°39'	10° 0'	10°49'	22°26'	24°24'			
M 25	20 12 28	2°17'05"	19° 3'	24°22'	7°47'	0°54'	8° 6'	17° 1'	2° 6'	9°12'	22°41'	9°48'	10°46'	22°33'	24°21'			
T 26	20 16 25	3°14'29"	1 ^h 035	25°54'	9° 1'	1°35'	8°15'	17° 1'	2° 4'	9°11'	22°42'	9°36'	10°43'	22°40'	24°18'			
W 27	20 20 21	4°11'54"	13°54'	27°24'	10°15'	2°15'	8°23'	17° 2'	2° 1'	9° 9'	22°43'	9°26'	10°39'	22°46'	24°14'			
T 28	20 24 18	5° 9'19"	26° 3'	28°52'	11°29'	2°56'	8°32'	17° 2'	1°59'	9° 8'	22°44'	9°16'	10°36'	22°53'	24°11'			
F 29	20 28 14	6° 6'46"	8 ^h 1	0 ^h 18	12°43'	3°36'	8°41'	17° 3'	1°57'	9° 7'	22°45'	9°10'	10°33'	23° 0'	24° 7'			
S 30	20 32 11	7° 4'13"	19°52'	1°43'	13°57'	4°16'	8°49'	17° 4'	1°54'	9° 5'	22°46'	9° 5'	10°30'	23° 6'	24° 4'			
S 31	20 36 7	8 ^h 1'41"	1 ^h ♁39	3 ^h 15	15 ^h 011	4 ^h II56	8 ^h ♁58	17 ^h ℒ 5	1 ^h ≈52	9 ^h ♁ 4	22 ^h II47	9 ^h ♁ 3	10 ^h ♁27	23 ^h 13	24 ^h ♁ 1			

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Greg. Calendar

AUGUST 1661 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏
M 1	20 40 4	8 ^h 05'9"10	13 ^h ♁26	4 ^h 26	16 ^h 025	5 ^h II36	9 ^h ♁ 8	17 ^h ℒ 6	1°R49	9°R 2	22 ^h II48	9°D 3	10 ^h ♁24	23 ^h 120	23°R57			
T 2	20 44 1	9°56'40"	25°18'	5°45'	17°39'	6°16'	9°17'	17° 7'	1 ^h ≈47	9 ^h ♁ 1	22°49'	9 ^h ♁ 4	10°20'	23°26'	23 ^h ♁54			
W 3	20 47 57	10°54'10"	7 ^h ℒ20	7° 2'	18°53'	6°55'	9°26'	17° 8'	1°45'	9° 0'	22°50'	9°R 5	10°17'	23°33'	23°51'			
T 4	20 51 54	11°51'42"	19°37'	8°17'	20° 7'	7°35'	9°36'	17°10'	1°42'	8°58'	22°51'	9° 4'	10°14'	23°39'	23°47'			
F 5	20 55 50	12°49'14"	2 ^h 14	9°30'	21°21'	8°14'	9°45'	17°11'	1°40'	8°57'	22°52'	9° 2'	10°11'	23°46'	23°44'			
S 6	20 59 47	13°46'47"	15°15'	10°40'	22°35'	8°54'	9°55'	17°13'	1°38'	8°56'	22°53'	8°58'	10° 8'	23°53'	23°41'			
S 7	21 3 43	14°44'22"	28°44'	11°48'	23°49'	9°33'	10° 4'	17°14'	1°35'	8°55'	22°54'	8°53'	10° 5'	23°59'	23°38'			
M 8	21 7 40	15°41'57"	12 ^h ♁40	12°54'	25° 3'	10°12'	10°14'	17°16'	1°33'	8°53'	22°55'	8°45'	10° 1'	24° 6'	23°35'			
T 9	21 11 36	16°39'33"	27° 3'	13°58'	26°17'	10°51'	10°24'	17°18'	1°31'	8°52'	22°56'	8°37'	9°58'	24°13'	23°31'			
W 10	21 15 33	17°37'11"	11 ^h ≈46	14°59'	27°31'	11°30'	10°34'	17°20'	1°28'	8°51'	22°57'	8°29'	9°55'	24°19'	23°28'			
T 11	21 19 30	18°34'49"	26°42'	15°57'	28°45'	12° 9'	10°44'	17°22'	1°26'	8°50'	22°58'	8°23'	9°52'	24°26'	23°25'			
F 12	21 23 26	19°32'29"	11 ^h 43	16°53'	29°59'	12°47'	10°54'	17°24'	1°24'	8°49'	22°59'	8°18'	9°49'	24°33'	23°22'			
S 13	21 27 23	20°30'10"	26°40'	17°45'	1 ^h 14	13°26'	11° 4'	17°26'	1°22'	8°48'	23° 0'	8°16'	9°45'	24°39'	23°19'			
S 14	21 31 19	21°27'53"	11 ^h 25	18°35'	2°28'	14° 4'	11°15'	17°28'	1°19'	8°47'	23° 1'	8°D15	9°42'	24°46'	23°17'			
M 15	21 35 16	22°25'38"	25°52'	19°21'	3°42'	14°43'	11°25'	17°30'	1°17'	8°45'	23° 1'	8°16'	9°39'	24°53'	23°14'			
T 16	21 39 12	23°23'24"	10 ^h ♁ 0	20° 4'	4°56'	15°21'	11°36'	17°33'	1°15'	8°44'	23° 2'	8°17'	9°36'	24°59'	23°11'			
W 17	21 43 9	24°21'12"	23°48'	20°43'	6°10'	15°59'	11°46'	17°35'	1°13'	8°43'	23° 3'	8°R18	9°33'	25° 6'	23° 8'			
T 18	21 47 5	25°19'02"	7 ^h II16	21°18'	7°24'	16°37'	11°57'	17°38'	1°11'	8°42'	23° 4'	8°17'	9°30'	25°13'	23° 5'			
F 19	21 51 2	26°16'54"	20°25'	21°49'	8°38'	17°15'	12° 8'	17°41'	1° 9'	8°41'	23° 4'	8°15'	9°26'	25°19'	23° 3'			
S 20	21 54 58	27°14'47"	3 ^h ♁19	22°15'	9°53'	17°52'	12°19'	17°43'	1° 7'	8°41'	23° 5'	8°11'	9°23'	25°26'	23° 0'			
S 21	21 58 55	28°12'42"	15°58'	22°37'	11° 7'	18°30'	12°29'	17°46'	1° 5'	8°40'	23° 6'	8° 5'	9°20'	25°33'	22°57'			
M 22	22 2 52	29°10'39"	28°25'	22°54'	12°21'	19° 7'	12°40'	17°49'	1° 3'	8°39'	23° 7'	7°58'	9°17'	25°39'	22°55'			
T 23	22 6 48	0 ^h 1 ^h 8'38	10 ^h 041	23° 6'	13°35'	19°44'	12°51'	17°52'	1° 1'	8°38'	23° 7'	7°51'	9°14'	25°46'	22°52'			
W 24	22 10 45	1° 6'38"	22°47'	23°13'	14°49'	20°22'	13° 3'	17°55'	0°59'	8°37'	23° 8'	7°45'	9°11'	25°52'	22°50'			
T 25	22 14 41	2° 4'40"	4 ^h 46	23°R14	16° 3'	20°59'	13°14'	17°59'	0°57'	8°36'	23° 9'	7°40'	9° 7'	25°59'	22°47'			
F 26	22 18 38	3° 2'43"	16°38'	23° 8'	17°17'	21°35'	13°25'	18° 2'	0°55'	8°35'	23° 9'	7°36'	9° 4'	26° 6'	22°45'			
S 27	22 22 34	4° 0'49"	28°25'	22°57'	18°32'	22°12'	13°36'	18° 5'	0°53'	8°35'	23°10'	7°34'	9° 1'	26°12'	22°43'			
S 28	22 26 31	4°58'55"	10 ^h ♁12	22°40'	19°46'	22°49'	13°48'	18° 9'	0°51'	8°34'	23°10'	7°D33	8°58'	26°19'	22°41'			
M 29	22 30 27	5°57'03"	21°59'	22°16'	21° 0'	23°25'	13°59'	18°12'	0°49'	8°33'	23°11'	7°34'	8°55'	26°26'	22°38'			
T 30	22 34 24	6°55'13"	3 ^h II52	21°46'	22°14'	24° 1'	14°11'	18°16'	0°47'	8°33'	23°11'	7°36'	8°51'	26°32'	22°36'			
W 31	22 38 21	7 ^h 53'24"	15 ^h ℒ54	21 ^h 10	23 ^h 128	24 ^h II37	14 ^h ♁22	18 ^h ℒ20	0 ^h ≈46	8 ^h ♁32	23 ^h II12	7 ^h ♁38	8 ^h ♁48	26 ^h 139	22 ^h ♁34			

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SWISS EPHEMERIS for the year 1661

SEPTEMBER 1661 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	22 42 17	8♍15'37	28♎.10	20°R28	24♎42	25♎13	14♌34	18♎.24	0°R44	8°R31	23♎12	7♌39	8♌45	26♎46	22°R32
F 2	22 46 14	9°49'52	10♌44	19♎41	25°57	25°49	14°46	18°27	0°42	8♌31	23°13	7°R39	8°42	26°52	22°R30
S 3	22 50 10	10°48'08	23°41	18°49	27°11	26°25	14°57	18°31	0°40	8°30	23°13	7°39	8°39	26°59	22°29
S 4	22 54 7	11°46'25	7♌4	17°53	28°25	27°0	15°9	18°35	0°39	8°30	23°14	7°37	8°36	27°6	22°27
M 5	22 58 3	12°44'44	20°56	16°54	29°39	27°35	15°21	18°40	0°37	8°29	23°14	7°34	8°32	27°12	22°25
T 6	23 2 0	13°43'05	5♌15	15°54	0♌53	28°11	15°33	18°44	0°36	8°29	23°14	7°31	8°29	27°19	22°23
W 7	23 5 56	14°41'27	19°59	14°53	2°7	28°45	15°45	18°48	0°34	8°28	23°15	7°28	8°26	27°26	22°22
T 8	23 9 53	15°39'51	5♁8	13°52	3°21	29°20	15°57	18°52	0°33	8°28	23°15	7°25	8°23	27°32	22°20
F 9	23 13 50	16°38'16	20°12	12°54	4°36	29°55	16°9	18°57	0°31	8°28	23°15	7°23	8°20	27°39	22°19
S 10	23 17 46	17°36'44	5♎23	12°0	5°50	0♌29	16°21	19°1	0°30	8°27	23°16	7°D23	8°16	27°45	22°17
S 11	23 21 43	18°35'13	20°25	11°11	7°4	1°4	16°33	19°6	0°29	8°27	23°16	7°23	8°13	27°52	22°16
M12	23 25 39	19°33'45	5♁10	10°28	8°18	1°38	16°46	19°11	0°27	8°27	23°16	7°24	8°10	27°59	22°15
T 13	23 29 36	20°32'19	19°33	9°53	9°32	2°12	16°58	19°15	0°26	8°26	23°17	7°25	8°7	28°5	22°14
W14	23 33 32	21°30'55	3♎30	9°26	10°46	2°45	17°10	19°20	0°25	8°26	23°17	7°26	8°4	28°12	22°12
T 15	23 37 29	22°29'34	17°3	9°8	12°0	3°19	17°23	19°25	0°24	8°26	23°17	7°R27	8°1	28°19	22°11
F 16	23 41 25	23°28'15	0♌12	9°D0	13°14	3°52	17°35	19°30	0°22	8°26	23°17	7°27	7°57	28°25	22°10
S 17	23 45 22	24°26'58	13°0	9°1	14°29	4°26	17°47	19°35	0°21	8°26	23°17	7°26	7°54	28°32	22°9
S 18	23 49 19	25°25'43	25°30	9°13	15°43	4°59	18°0	19°40	0°20	8°26	23°17	7°25	7°51	28°39	22°9
M19	23 53 15	26°24'30	7♎46	9°34	16°57	5°31	18°12	19°45	0°19	8°26	23°17	7°24	7°48	28°45	22°8
T 20	23 57 12	27°23'20	19°50	10°5	18°11	6°4	18°25	19°50	0°18	8°D26	23°18	7°22	7°45	28°52	22°7
W21	0 1 8	28°22'12	1♎47	10°45	19°25	6°36	18°38	19°55	0°17	8°26	23°18	7°21	7°42	28°59	22°7
T 22	0 5 5	29°21'05	13°38	11°33	20°39	7°8	18°50	20°1	0°16	8°26	23°18	7°20	7°38	29°5	22°6
F 23	0 9 1	0♌20'01	25°26	12°29	21°53	7°40	19°3	20°6	0°16	8°26	23°R18	7°19	7°35	29°12	22°5
S 24	0 12 58	1°18'59	7♌13	13°33	23°7	8°12	19°16	20°11	0°15	8°26	23°18	7°D19	7°32	29°19	22°5
S 25	0 16 54	2°17'59	19°1	14°43	24°21	8°43	19°28	20°17	0°14	8°26	23°18	7°19	7°29	29°25	22°5
M26	0 20 51	3°17'01	0♎53	16°0	25°35	9°15	19°41	20°22	0°13	8°26	23°17	7°19	7°26	29°32	22°4
T 27	0 24 47	4°16'05	12°52	17°21	26°49	9°46	19°54	20°28	0°13	8°27	23°17	7°20	7°22	29°38	22°4
W28	0 28 44	5°15'11	24°59	18°47	28°3	10°16	20°7	20°34	0°12	8°27	23°17	7°20	7°19	29°45	22°4
T 29	0 32 41	6°14'19	7♁19	20°17	29°18	10°47	20°19	20°39	0°12	8°27	23°17	7°20	7°16	29°52	22°D4
F 30	0 36 37	7♌13'29	19♁54	21♎50	0♎32	11♌17	20♌32	20♎45	0°11	8♌27	23♎17	7°R20	7♌13	29♎58	22♌4

Delta T = 33.77 sec.

Greg. Calendar

OCTOBER 1661 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	0 40 34	8♌12'40	2♌49	23♎26	1♎46	11♌47	20♌45	20♎51	0°R11	8♌28	23°R17	7°D20	7♌10	0♌5	22♌4
S 2	0 44 30	9°11'53	16°5	25°5	3°0	12°17	20°58	20°57	0°10	8°28	23°R17	7♌20	7°7	0°12	22°4
M 3	0 48 27	10°11'08	29°46	26°45	4°14	12°47	21°11	21°3	0°10	8°29	23°16	7°20	7°3	0°18	22°5
T 4	0 52 23	11°10'25	13♌52	28°27	5°28	13°16	21°24	21°9	0°10	8°29	23°16	7°21	7°0	0°25	22°5
W 5	0 56 20	12°9'44	28°23	0♌9	6°42	13°45	21°37	21°15	0°9	8°30	23°16	7°21	6°57	0°32	22°5
T 6	1 0 16	13°9'04	13♁13	1°53	7°56	14°14	21°50	21°21	0°9	8°30	23°16	7°22	6°54	0°38	22°6
F 7	1 4 13	14°8'26	28°19	3°37	9°10	14°42	22°3	21°27	0°9	8°31	23°15	7°22	6°51	0°45	22°6
S 8	1 8 10	15°7'50	13♎30	5°21	10°24	15°10	22°16	21°33	0°9	8°31	23°15	7°R22	6°47	0°52	22°7
S 9	1 12 6	16°7'16	28°38	7°5	11°37	15°38	22°29	21°39	0°D9	8°32	23°15	7°22	6°44	0°58	22°8
M10	1 16 3	17°6'45	13♁33	8°50	12°51	16°6	22°42	21°45	0°9	8°33	23°14	7°21	6°41	1°5	22°9
T 11	1 19 59	18°6'15	28°8	10°34	14°5	16°33	22°55	21°52	0°9	8°33	23°14	7°20	6°38	1°11	22°9
W12	1 23 56	19°5'48	12♎17	12°18	15°19	17°0	23°8	21°58	0°9	8°34	23°13	7°18	6°35	1°18	22°10
T 13	1 27 52	20°5'23	26°0	14°2	16°33	17°27	23°21	22°4	0°9	8°35	23°13	7°17	6°32	1°25	22°11
F 14	1 31 49	21°5'01	9♌15	15°45	17°47	17°53	23°34	22°11	0°9	8°35	23°13	7°16	6°28	1°31	22°12
S 15	1 35 45	22°4'40	22°5	17°28	19°1	18°19	23°47	22°17	0°10	8°36	23°12	7°D16	6°25	1°38	22°14
S 16	1 39 42	23°4'22	4♎33	19°10	20°15	18°45	24°0	22°24	0°10	8°37	23°12	7°16	6°22	1°45	22°15
M17	1 43 39	24°4'07	16°45	20°52	21°29	19°10	24°14	22°30	0°10	8°38	23°11	7°17	6°19	1°51	22°16
T 18	1 47 35	25°3'53	28°44	22°33	22°43	19°35	24°27	22°37	0°11	8°39	23°11	7°18	6°16	1°58	22°17
W19	1 51 32	26°3'42	10♎35	24°14	23°56	20°0	24°40	22°43	0°11	8°40	23°10	7°20	6°13	2°5	22°19
T 20	1 55 28	27°3'33	22°23	25°54	25°10	20°24	24°53	22°50	0°12	8°41	23°9	7°21	6°9	2°11	22°20
F 21	1 59 25	28°3'26	4♌9	27°34	26°24	20°48	25°6	22°57	0°12	8°42	23°9	7°R22	6°6	2°18	22°22
S 22	2 3 21	29°3'21	15°59	29°13	27°38	21°11	25°19	23°3	0°13	8°43	23°8	7°22	6°3	2°25	22°24
S 23	2 7 18	0♎3'18	27°53	0♎52	28°52	21°34	25°32	23°10	0°14	8°44	23°8	7°20	6°0	2°31	22°25
M24	2 11 14	1°3'17	9♎54	2°30	0♁6	21°57	25°45	23°17	0°14	8°45	23°7	7°18	5°57	2°38	22°27
T 25	2 15 11	2°3'18	22°4	4°8	1°19	22°19	25°58	23°24	0°15	8°46	23°6	7°14	5°53	2°44	22°29
W26	2 19 7	3°3'20	4♁25	5°45	2°33	22°41	26°11	23°30	0°16	8°47	23°6	7°10	5°50	2°51	22°31
T 27	2 23 4	4°3'25	16°56	7°22	3°47	23°3	26°24	23°37	0°17	8°49	23°5	7°5	5°47	2°58	22°33
F 28	2 27 1	5°3'31	29°41	8°58	5°1	23°24	26°37	23°44	0°18	8°50	23°4	7°1	5°44	3°4	22°35
S 29	2 30 57	6°3'39	12♌41	10°34	6°14	23°45	26°50	23°51	0°19	8°51	23°3	6°58	5°41	3°11	22°37
S 30	2 34 54	7°3'48	25°57	12°9	7°28	24°5	27°3	23°58	0°20	8°52	23°3	6°56	5°38	3°18	22°39
M31	2 38 50	8♎3'59	9♌31	13♎44	8♁42	24♌24	27♌16	24♎5	0°21	8♌54	23♎2	6°D55	5♌34	3♌24	22♌42

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SWISS EPHEMERIS for the year 1661

NOVEMBER 1661 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	2 42 47	9♏ 4'12	23♏23	15♏19	9♏56	24♏44	27♏29	24♏12	0♏22	8♏55	23°R 1	6♏56	5♏31	3♏31	22♏44
W 2	2 46 43	10° 4'26	7♏36	16°53	11° 9	25° 3	27°42	24°19	0°23	8°56	23II 0	6°57	5°28	3°38	22°46
T 3	2 50 40	11° 4'41	22° 6	18°27	12°23	25°21	27°55	24°26	0°24	8°58	22°59	6°59	5°25	3°44	22°49
F 4	2 54 36	12° 4'58	6♏50	20° 0	13°37	25°39	28° 8	24°33	0°26	8°59	22°59	7°R 0	5°22	3°51	22°51
S 5	2 58 33	13° 5'16	21°44	21°33	14°50	25°56	28°21	24°40	0°27	9° 1	22°58	6°59	5°19	3°58	22°54
S 6	3 2 30	14° 5'36	6♏40	23° 6	16° 4	26°13	28°34	24°47	0°28	9° 2	22°57	6°56	5°15	4° 4	22°57
M 7	3 6 26	15° 5'58	21°30	24°39	17°17	26°29	28°47	24°54	0°30	9° 4	22°56	6°52	5°12	4°11	23° 0
T 8	3 10 23	16° 6'22	6II 6	26°11	18°31	26°45	29° 0	25° 1	0°31	9° 5	22°55	6°46	5° 9	4°18	23° 2
W 9	3 14 19	17° 6'47	20°20	27°43	19°44	27° 0	29°12	25° 8	0°33	9° 7	22°54	6°39	5° 6	4°24	23° 5
T 10	3 18 16	18° 7'14	4♏ 9	29°14	20°58	27°15	29°25	25°15	0°34	9° 8	22°53	6°33	5° 3	4°31	23° 8
F 11	3 22 12	19° 7'43	17°30	0♏46	22°11	27°29	29°38	25°22	0°36	9°10	22°52	6°27	4°59	4°37	23°11
S 12	3 26 9	20° 8'14	0♏26	2°17	23°25	27°42	29°51	25°29	0°37	9°11	22°51	6°23	4°56	4°44	23°14
S 13	3 30 5	21° 8'46	12°58	3°47	24°38	27°55	0♏ 3	25°36	0°39	9°13	22°50	6°21	4°53	4°51	23°17
M14	3 34 2	22° 9'20	25°10	5°18	25°52	28° 7	0°16	25°43	0°41	9°15	22°49	6°D21	4°50	4°57	23°20
T 15	3 37 59	23° 9'56	7II 9	6°48	27° 5	28°19	0°29	25°50	0°43	9°16	22°48	6°22	4°47	5° 4	23°24
W16	3 41 55	24°10'34	18°59	8°18	28°18	28°30	0°41	25°57	0°44	9°18	22°47	6°23	4°44	5°11	23°27
T 17	3 45 52	25°11'14	0♏46	9°47	29°32	28°41	0°54	26° 5	0°46	9°20	22°46	6°R24	4°40	5°17	23°30
F 18	3 49 48	26°11'57	12°33	11°16	0♏45	28°50	1° 6	26°12	0°48	9°22	22°45	6°24	4°37	5°24	23°34
S 19	3 53 45	27°12'37	24°26	12°45	1°58	28°59	1°19	26°19	0°50	9°23	22°44	6°22	4°34	5°31	23°37
S 20	3 57 41	28°13'22	6II28	14°13	3°12	29° 8	1°31	26°26	0°52	9°25	22°43	6°18	4°31	5°37	23°40
M21	4 1 38	29°14'07	18°41	15°41	4°25	29°15	1°43	26°33	0°54	9°27	22°42	6°11	4°28	5°44	23°44
T 22	4 5 34	0♏14'54	1♏ 6	17° 8	5°38	29°22	1°56	26°40	0°56	9°29	22°41	6° 2	4°24	5°51	23°48
W23	4 9 31	1°15'43	13°45	18°35	6°51	29°29	2° 8	26°47	0°58	9°31	22°40	5°52	4°21	5°57	23°51
T 24	4 13 28	2°16'32	26°37	20° 1	8° 4	29°34	2°20	26°54	1° 1	9°33	22°39	5°41	4°18	6° 4	23°55
F 25	4 17 24	3°17'23	9♏41	21°26	9°18	29°39	2°32	27° 1	1° 3	9°35	22°38	5°31	4°15	6°10	23°59
S 26	4 21 21	4°18'15	22°57	22°50	10°31	29°43	2°44	27° 8	1° 5	9°36	22°37	5°23	4°12	6°17	24° 3
S 27	4 25 17	5°19'07	6♏24	24°13	11°44	29°46	2°56	27°16	1° 7	9°38	22°36	5°17	4° 9	6°24	24° 6
M28	4 29 14	6°20'01	20° 2	25°34	12°57	29°49	3° 8	27°23	1°10	9°40	22°34	5°13	4° 5	6°30	24°10
T 29	4 33 10	7°20'55	3♏51	26°54	14°10	29°50	3°20	27°30	1°12	9°42	22°33	5°D12	4° 2	6°37	24°14
W30	4 37 7	8♏21'50	17♏51	28♏13	15♏23	29♏51	3III32	27III37	1♏15	9♏44	22III32	5♏12	3♏59	6♏44	24♏18

Delta T = 33.60 sec.

Greg. Calendar

DECEMBER 1661 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	4 41 3	9♏22'46	2♏ 2	29♏29	16♏35	29°R51	3III44	27III44	1♏17	9♏46	22°R31	5°R12	3♏56	6♏50	24♏22
F 2	4 45 0	10°23'42	16°23	0♏43	17°48	29♏51	3°56	27°51	1°19	9°48	22III30	5♏12	3°53	6°57	24°26
S 3	4 48 57	11°24'39	0♏51	1°55	19° 1	29°49	4° 8	27°58	1°22	9°50	22°29	5°10	3°50	7° 4	24°30
S 4	4 52 53	12°25'37	15°22	3° 3	20°14	29°47	4°19	28° 5	1°25	9°53	22°27	5° 4	3°46	7°10	24°35
M 5	4 56 50	13°26'36	29°50	4° 8	21°27	29°44	4°31	28°12	1°27	9°55	22°26	4°56	3°43	7°17	24°39
T 6	5 0 46	14°27'35	14II10	5° 9	22°39	29°40	4°42	28°19	1°30	9°57	22°25	4°46	3°40	7°24	24°43
W 7	5 4 43	15°28'36	28°14	6° 5	23°52	29°35	4°54	28°26	1°32	9°59	22°24	4°34	3°37	7°30	24°47
T 8	5 8 39	16°29'37	11♏58	6°55	25° 4	29°30	5° 5	28°32	1°35	10° 1	22°23	4°22	3°34	7°37	24°52
F 9	5 12 36	17°30'39	25°19	7°40	26°17	29°23	5°16	28°39	1°38	10° 3	22°22	4°12	3°30	7°44	24°56
S 10	5 16 32	18°31'42	8♏16	8°17	27°29	29°16	5°28	28°46	1°41	10° 5	22°20	4° 3	3°27	7°50	25° 0
S 11	5 20 29	19°32'46	20°50	8°47	28°41	29° 8	5°39	28°53	1°43	10° 7	22°19	3°57	3°24	7°57	25° 5
M12	5 24 26	20°33'50	3II 5	9° 8	29°54	28°59	5°50	29° 0	1°46	10° 9	22°18	3°53	3°21	8° 3	25° 9
T 13	5 28 22	21°34'56	15° 6	9°19	1♏ 6	28°49	6° 1	29° 7	1°49	10°12	22°17	3°52	3°18	8°10	25°14
W14	5 32 19	22°36'02	26°57	9°R20	2°18	28°38	6°12	29°13	1°52	10°14	22°16	3°52	3°15	8°17	25°18
T 15	5 36 15	23°37'09	8♏44	9°10	3°30	28°27	6°23	29°20	1°55	10°16	22°15	3°52	3°11	8°23	25°23
F 16	5 40 12	24°38'17	20°32	8°48	4°42	28°15	6°33	29°27	1°58	10°18	22°13	3°51	3° 8	8°30	25°28
S 17	5 44 8	25°39'26	2III28	8°15	5°54	28° 1	6°44	29°33	2° 1	10°20	22°12	3°48	3° 5	8°37	25°32
S 18	5 48 5	26°40'35	14°36	7°30	7° 6	27°48	6°55	29°40	2° 4	10°23	22°11	3°42	3° 2	8°43	25°37
M19	5 52 1	27°41'45	26°58	6°34	8°18	27°33	7° 5	29°47	2° 7	10°25	22°10	3°33	2°59	8°50	25°42
T 20	5 55 58	28°42'55	9♏37	5°29	9°30	27°17	7°16	29°53	2°10	10°27	22° 9	3°22	2°56	8°57	25°46
W21	5 59 55	29°44'06	22°34	4°15	10°41	27° 1	7°26	29°59	2°13	10°29	22° 7	3° 9	2°52	9° 3	25°51
T 22	6 3 51	0♏45'17	5♏48	2°57	11°53	26°44	7°36	0♏ 6	2°16	10°32	22° 6	2°55	2°49	9°10	25°56
F 23	6 7 48	1°46'29	19°17	1°35	13° 4	26°27	7°46	0°13	2°19	10°34	22° 5	2°42	2°46	9°17	26° 1
S 24	6 11 44	2°47'40	2♏58	0°13	14°16	26° 8	7°56	0°19	2°22	10°36	22° 4	2°30	2°43	9°23	26° 5
S 25	6 15 41	3°48'52	16°48	28♏54	15°27	25°49	8° 6	0°25	2°26	10°38	22° 3	2°22	2°40	9°30	26°10
M26	6 19 37	4°50'03	0♏44	27°40	16°38	25°30	8°16	0°32	2°29	10°41	22° 2	2°17	2°36	9°36	26°15
T 27	6 23 34	5°51'14	14°43	26°32	17°49	25°10	8°26	0°38	2°32	10°43	22° 0	2°14	2°33	9°43	26°20
W28	6 27 31	6°52'25	28°46	25°33	19° 0	24°49	8°35	0°44	2°35	10°45	21°59	2°13	2°30	9°50	26°25
T 29	6 31 27	7°53'35	12♏50	24°43	20°11	24°28	8°45	0°50	2°38	10°47	21°58	2°13	2°27	9°56	26°30
F 30	6 35 24	8°54'46	26°55	24° 4	21°22	24° 6	8°54	0°56	2°42	10°50	21°57	2°13	2°24	10° 3	26°35
S 31	6 39 20	9♏55'56	11♏ 1	23♏34	22♏33	23♏44	9III 3	1♏ 2	2♏45	10♏52	21III56	2♏10	2♏21	10♏10	26♏40

Delta T = 33.52 sec.

Greg. Calendar

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