

SWISS EPHEMERIS for the year 1637

JANUARY 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	6 43 31	11°3'13"	21°18'	21°11'	26°33'	27°3'	4°46'	15°38'	18°31'	18°10'	26°50'	4°29'	5°49'	13°11'	4°R21
F 2	6 47 27	12°2'44"	15°3'	22°34'	27°42'	27°50'	4°50'	15°55'	18°32'	18°12'	26°49'	4°31'	5°46'	13°17'	4°D21
S 3	6 51 24	13°3'54"	28°6'	23°58'	28°51'	28°36'	4°53'	16°3'	18°33'	18°13'	26°49'	4°32'	5°43'	13°24'	4°20
S 4	6 55 20	14°5'04"	11°29'	25°22'	0°0'	29°23'	4°56'	16°10'	18°34'	18°15'	26°48'	4°R33	5°40'	13°31'	4°19
M 5	6 59 17	15°6'13"	25°13'	26°48'	1°10'	0°9'	4°58'	16°17'	18°35'	18°16'	26°47'	4°33'	5°36'	13°37'	4°19
T 6	7 3 13	16°7'22"	9°21'	28°14'	2°19'	0°56'	5°1'	16°24'	18°36'	18°18'	26°46'	4°32'	5°33'	13°44'	4°18
W 7	7 7 10	17°8'30"	23°50'	29°40'	3°29'	1°42'	5°3'	16°31'	18°37'	18°19'	26°46'	4°30'	5°30'	13°51'	4°18
T 8	7 11 6	18°9'37"	8°37'	1°8'	4°39'	2°29'	5°6'	16°38'	18°38'	18°21'	26°45'	4°27'	5°27'	13°57'	4°18
F 9	7 15 3	19°10'44"	23°35'	2°36'	5°49'	3°15'	5°8'	16°45'	18°39'	18°22'	26°44'	4°25'	5°24'	14°4'	4°17
S 10	7 19 0	20°11'50"	8°37'	4°5'	6°59'	4°1'	5°9'	16°52'	18°40'	18°23'	26°44'	4°24'	5°21'	14°11'	4°17
S 11	7 22 56	21°12'56"	23°34'	5°34'	8°10'	4°48'	5°11'	16°59'	18°40'	18°24'	26°43'	4°23'	5°17'	14°18'	4°17
M12	7 26 53	22°14'01"	8°17'	7°4'	9°20'	5°34'	5°13'	17°6'	18°41'	18°26'	26°43'	4°D23	5°14'	14°24'	4°17
T 13	7 30 49	23°15'06"	22°40'	8°35'	10°30'	6°20'	5°14'	17°13'	18°41'	18°27'	26°42'	4°23'	5°11'	14°31'	4°D17
W14	7 34 46	24°16'10"	6°38'	10°6'	11°41'	7°7'	5°15'	17°20'	18°42'	18°28'	26°41'	4°24'	5°8'	14°38'	4°17
T 15	7 38 42	25°17'13"	20°9'	11°38'	12°52'	7°53'	5°16'	17°27'	18°42'	18°29'	26°41'	4°25'	5°5'	14°44'	4°17
F 16	7 42 39	26°18'16"	3°15'	13°10'	14°3'	8°39'	5°17'	17°34'	18°43'	18°30'	26°40'	4°26'	5°1'	14°51'	4°17
S 17	7 46 36	27°19'19"	15°58'	14°43'	15°14'	9°26'	5°17'	17°42'	18°43'	18°31'	26°40'	4°26'	4°58'	14°58'	4°17
S 18	7 50 32	28°20'21"	28°21'	16°17'	16°24'	10°12'	5°17'	17°49'	18°43'	18°33'	26°39'	4°R26	4°55'	15°4'	4°18
M19	7 54 29	29°21'23"	10°28'	17°51'	17°36'	10°58'	5°R18	17°56'	18°44'	18°34'	26°39'	4°26'	4°52'	15°11'	4°18
T 20	7 58 25	0°22'24"	22°26'	19°26'	18°47'	11°44'	5°18'	18°3'	18°44'	18°35'	26°39'	4°26'	4°49'	15°18'	4°18
W21	8 2 22	1°23'24"	4°17'	21°1'	19°58'	12°30'	5°17'	18°10'	18°44'	18°36'	26°38'	4°26'	4°46'	15°24'	4°19
T 22	8 6 18	2°24'24"	16°6'	22°37'	21°9'	13°17'	5°17'	18°16'	18°R44	18°36'	26°38'	4°25'	4°42'	15°31'	4°19
F 23	8 10 15	3°25'23"	27°57'	24°14'	22°21'	14°3'	5°16'	18°23'	18°44'	18°37'	26°37'	4°25'	4°39'	15°38'	4°20
S 24	8 14 11	4°26'22"	9°54'	25°51'	23°32'	14°49'	5°15'	18°30'	18°44'	18°38'	26°37'	4°D25	4°36'	15°45'	4°21
S 25	8 18 8	5°27'19"	21°58'	27°29'	24°44'	15°35'	5°14'	18°37'	18°44'	18°39'	26°37'	4°25'	4°33'	15°51'	4°21
M26	8 22 5	6°28'16"	4°11'	29°8'	25°55'	16°21'	5°13'	18°44'	18°43'	18°40'	26°36'	4°R25	4°30'	15°58'	4°22
T 27	8 26 1	7°29'11"	16°36'	0°47'	27°7'	17°7'	5°12'	18°51'	18°43'	18°41'	26°36'	4°25'	4°27'	16°5'	4°23
W28	8 29 58	8°30'05"	29°13'	2°27'	28°19'	17°53'	5°10'	18°58'	18°43'	18°41'	26°36'	4°25'	4°23'	16°11'	4°24
T 29	8 33 54	9°30'58"	12°3'	4°8'	29°31'	18°39'	5°9'	19°5'	18°43'	18°42'	26°36'	4°24'	4°20'	16°18'	4°25
F 30	8 37 51	10°31'49"	25°7'	5°49'	0°43'	19°25'	5°7'	19°11'	18°42'	18°43'	26°35'	4°23'	4°17'	16°25'	4°26
S 31	8 41 47	11°32'40"	8°24'	7°32'	1°54'	20°11'	5°4'	19°18'	18°42'	18°43'	26°35'	4°23'	4°14'	16°31'	4°27

Delta T = 64.56 sec. Greg. Calendar

FEBRUARY 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	8 45 44	12°33'28"	21°55'	9°15'	3°3'	20°57'	5°R 2	19°25'	18°R41	18°44'	26°R35	4°R22	4°11'	16°38'	4°D28
M 2	8 49 40	13°34'15"	5°41'	10°59'	4°18'	21°43'	5°0'	19°32'	18°41'	18°45'	26°R35	4°21'	4°7'	16°45'	4°30
T 3	8 53 37	14°35'01"	19°40'	12°43'	5°31'	22°28'	4°57'	19°38'	18°40'	18°45'	26°35'	4°D21	4°4'	16°51'	4°31
W 4	8 57 34	15°35'45"	3°52'	14°29'	6°43'	23°14'	4°54'	19°45'	18°39'	18°46'	26°35'	4°22'	4°1'	16°58'	4°32
T 5	9 1 30	16°36'28"	18°16'	16°15'	7°55'	24°0'	4°51'	19°51'	18°39'	18°46'	26°34'	4°23'	3°58'	17°5'	4°34
F 6	9 5 27	17°37'08"	2°47'	18°2'	9°7'	24°46'	4°48'	19°58'	18°38'	18°47'	26°34'	4°24'	3°55'	17°11'	4°35
S 7	9 9 23	18°37'48"	17°21'	19°50'	10°19'	25°31'	4°44'	20°5'	18°37'	18°47'	26°34'	4°25'	3°52'	17°18'	4°37
S 8	9 13 20	19°38'25"	1°53'	21°38'	11°32'	26°17'	4°41'	20°11'	18°36'	18°47'	26°34'	4°R25	3°48'	17°25'	4°38
M 9	9 17 16	20°39'01"	16°18'	23°28'	12°44'	27°3'	4°37'	20°18'	18°35'	18°48'	26°D34	4°25'	3°45'	17°32'	4°40
T 10	9 21 13	21°39'35"	0°29'	25°17'	13°56'	27°48'	4°33'	20°24'	18°34'	18°48'	26°34'	4°24'	3°42'	17°38'	4°42
W11	9 25 9	22°40'08"	14°21'	27°8'	15°9'	28°34'	4°29'	20°30'	18°33'	18°48'	26°34'	4°22'	3°39'	17°45'	4°43
T 12	9 29 6	23°40'40"	27°53'	28°59'	16°21'	29°19'	4°25'	20°37'	18°32'	18°48'	26°34'	4°19'	3°36'	17°52'	4°45
F 13	9 33 3	24°41'10"	11°2'	0°51'	17°34'	0°5'	4°20'	20°43'	18°31'	18°49'	26°35'	4°16'	3°33'	17°58'	4°47
S 14	9 36 59	25°41'38"	23°50'	2°42'	18°46'	0°50'	4°16'	20°49'	18°30'	18°49'	26°35'	4°13'	3°29'	18°5'	4°49
S 15	9 40 56	26°42'06"	6°17'	4°35'	19°59'	1°35'	4°11'	20°55'	18°29'	18°49'	26°35'	4°10'	3°26'	18°12'	4°51
M16	9 44 52	27°42'32"	18°28'	6°27'	21°12'	2°21'	4°6'	21°2'	18°27'	18°49'	26°35'	4°9'	3°23'	18°18'	4°53
T 17	9 48 49	28°42'56"	0°28'	8°19'	22°24'	3°6'	4°1'	21°8'	18°26'	18°49'	26°35'	4°D 9	3°20'	18°25'	4°55
W18	9 52 45	29°43'20"	12°20'	10°10'	23°37'	3°51'	3°56'	21°14'	18°25'	18°R49	26°35'	4°9'	3°17'	18°32'	4°57
T 19	9 56 42	0°43'42"	24°9'	12°1'	24°50'	4°36'	3°50'	21°20'	18°23'	18°49'	26°35'	4°11'	3°13'	18°38'	4°59
F 20	10 0 38	1°44'02"	6°3'	13°51'	26°3'	5°22'	3°45'	21°26'	18°22'	18°49'	26°36'	4°13'	3°10'	18°45'	5°2
S 21	10 4 35	2°44'21"	18°1'	15°40'	27°15'	6°7'	3°39'	21°32'	18°20'	18°49'	26°36'	4°14'	3°7'	18°52'	5°4
S 22	10 8 32	3°44'38"	0°11'	17°27'	28°28'	6°52'	3°33'	21°38'	18°19'	18°49'	26°36'	4°R15	3°4'	18°58'	5°6
M23	10 12 28	4°44'54"	12°36'	19°12'	29°41'	7°37'	3°27'	21°43'	18°17'	18°49'	26°37'	4°15'	3°1'	19°5'	5°9
T 24	10 16 25	5°45'08"	25°16'	20°55'	0°54'	8°22'	3°21'	21°49'	18°16'	18°49'	26°37'	4°13'	2°58'	19°12'	5°11
W25	10 20 21	6°45'20"	8°14'	22°34'	2°7'	9°7'	3°15'	21°55'	18°14'	18°48'	26°37'	4°10'	2°54'	19°18'	5°14
T 26	10 24 18	7°45'30"	21°28'	24°10'	3°20'	9°52'	3°9'	22°1'	18°12'	18°48'	26°38'	4°5'	2°51'	19°25'	5°16
F 27	10 28 14	8°45'38"	4°57'	25°41'	4°33'	10°37'	3°2'	22°6'	18°10'	18°48'	26°38'	3°59'	2°48'	19°32'	5°19
S 28	10 32 11	9°45'44"	18°39'	27°8'	5°46'	11°22'	2°56'	22°12'	18°9'	18°48'	26°38'	3°53'	2°45'	19°39'	5°22

Delta T = 64.37 sec. Greg. Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [5.1.2003]

SWISS EPHEMERIS for the year 1637

MARCH 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	10 36 7	10♋45'49	2♉31	28♋30	6♊59	12♏7	2°R49	22♉17	18°R 7	18°R47	26♉39	3°R48	2♊42	19♋45	5♉24								
M 2	10 40 4	11°45'51	16°31	29°45	8°12	12°51	2♉43	22°23	18° 5	18♌47	26°39	3♊44	2°38	19°52	5°27								
T 3	10 44 0	12°45'51	0♐37	0♏55	9°25	13°36	2°36	22°28	18° 3	18°47	26°40	3°42	2°35	19°59	5°30								
W 4	10 47 57	13°45'49	14°45	1°57	10°38	14°21	2°29	22°33	18° 1	18°46	26°40	3°D41	2°32	20° 5	5°33								
T 5	10 51 54	14°45'44	28°54	2°52	11°51	15° 5	2°22	22°39	17°59	18°46	26°41	3°42	2°29	20° 12	5°36								
F 6	10 55 50	15°45'38	13♉3	3°39	13° 4	15°50	2°15	22°44	17°57	18°45	26°41	3°43	2°26	20°19	5°38								
S 7	10 59 47	16°45'29	27°11	4°18	14°17	16°35	2° 7	22°49	17°55	18°45	26°42	3°R44	2°23	20°25	5°41								
S 8	11 3 43	17°45'18	11♌14	4°49	15°30	17°19	2° 0	22°54	17°53	18°44	26°42	3°44	2°19	20°32	5°44								
M 9	11 7 40	18°45'04	25°11	5°12	16°43	18° 3	1°53	22°59	17°51	18°43	26°43	3°42	2°16	20°39	5°47								
T 10	11 11 36	19°44'49	8♏58	5°26	17°56	18°48	1°45	23° 4	17°49	18°43	26°44	3°38	2°13	20°45	5°51								
W11	11 15 33	20°44'31	22°33	5°R31	19° 9	19°32	1°38	23° 9	17°47	18°42	26°44	3°32	2°10	20°52	5°54								
T 12	11 19 29	21°44'11	5♉52	5°28	20°23	20°17	1°31	23°13	17°44	18°42	26°45	3°24	2° 7	20°59	5°57								
F 13	11 23 26	22°43'50	18°54	5°17	21°36	21° 1	1°23	23°18	17°42	18°41	26°45	3°15	2° 4	21° 5	6° 0								
S 14	11 27 23	23°43'26	1♌38	4°58	22°49	21°45	1°15	23°23	17°40	18°40	26°46	3° 6	2° 0	21°12	6° 3								
S 15	11 31 19	24°43'01	14° 5	4°32	24° 2	22°29	1° 8	23°27	17°38	18°39	26°47	2°58	1°57	21°19	6° 6								
M16	11 35 16	25°42'34	26°17	3°59	25°15	23°13	1° 0	23°32	17°35	18°39	26°48	2°52	1°54	21°25	6°10								
T 17	11 39 12	26°42'05	8♋17	3°21	26°29	23°57	0°52	23°36	17°33	18°38	26°48	2°47	1°51	21°32	6°13								
W18	11 43 9	27°41'34	20° 9	2°38	27°42	24°41	0°45	23°41	17°31	18°37	26°49	2°45	1°48	21°39	6°17								
T 19	11 47 5	28°41'02	1♉59	1°51	28°55	25°25	0°37	23°45	17°28	18°36	26°50	2°D45	1°44	21°45	6°20								
F 20	11 51 2	29°40'28	13°51	1° 1	0♋ 8	26° 9	0°29	23°49	17°26	18°35	26°51	2°46	1°41	21°52	6°23								
S 21	11 54 58	0♏39'52	25°51	0°10	1°22	26°53	0°21	23°53	17°23	18°34	26°51	2°47	1°38	21°59	6°27								
S 22	11 58 55	1°39'14	8♊ 4	29♋17	2°35	27°37	0°14	23°57	17°21	18°33	26°52	2°R47	1°35	22° 5	6°30								
M23	12 2 52	2°38'34	20°35	28°26	3°48	28°21	0° 6	24° 1	17°19	18°32	26°53	2°45	1°32	22°12	6°34								
T 24	12 6 48	3°37'52	3♋26	27°36	5° 1	29° 5	29♏58	24° 5	17°16	18°31	26°54	2°41	1°29	22°19	6°37								
W25	12 10 45	4°37'09	16°39	26°48	6°15	29°48	29°50	24° 9	17°14	18°30	26°55	2°35	1°25	22°25	6°41								
T 26	12 14 41	5°36'23	0♏14	26° 3	7°28	0♉32	29°43	24°13	17°11	18°29	26°56	2°26	1°22	22°32	6°45								
F 27	12 18 38	6°35'36	14° 9	25°22	8°41	1°16	29°35	24°16	17° 9	18°28	26°57	2°16	1°19	22°39	6°48								
S 28	12 22 34	7°34'46	28°19	24°45	9°55	1°59	29°27	24°20	17° 6	18°27	26°58	2° 5	1°16	22°45	6°52								
S 29	12 26 31	8°33'54	12♉39	24°14	11° 8	2°43	29°20	24°23	17° 4	18°26	26°59	1°55	1°13	22°52	6°56								
M30	12 30 27	9°33'00	27° 3	23°47	12°21	3°26	29°12	24°27	17° 1	18°25	26°59	1°47	1°10	22°59	6°59								
T 31	12 34 24	10♏32'04	11♐26	23♋26	13♋35	4♉10	29♏ 5	24♉30	16°58	18♌23	27♉ 0	1°42	1° 6	23♋ 6	7♉ 3								

Delta T = 64.20 sec.

Greg. Calendar

APRIL 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	12 38 21	11♏31'05	25♐44	23°R10	14♋48	4♉53	28°R57	24♉33	16°R56	18°R22	27♉ 1	1°R39	1♊ 3	23♋12	7♉ 7								
T 2	12 42 17	12°30'04	9♉53	23♋ 0	16° 1	5°36	28♏50	24°36	16°53	18♌21	27° 2	1°D38	1° 0	23°19	7°11								
F 3	12 46 14	13°29'01	23°54	22°D55	17°15	6°20	28°43	24°39	16°51	18°20	27° 3	1°R38	0°57	23°26	7°15								
S 4	12 50 10	14°27'56	7♌45	22°56	18°28	7° 3	28°35	24°42	16°48	18°18	27° 5	1°R38	0°54	23°32	7°19								
S 5	12 54 7	15°26'47	21°26	23° 2	19°41	7°46	28°28	24°45	16°46	18°17	27° 6	1°36	0°50	23°39	7°22								
M 6	12 58 3	16°25'37	4♏58	23°13	20°55	8°29	28°21	24°48	16°43	18°16	27° 7	1°33	0°47	23°46	7°26								
T 7	13 2 0	17°24'24	18°20	23°29	22° 8	9°12	28°14	24°51	16°41	18°15	27° 8	1°26	0°44	23°52	7°30								
W 8	13 5 56	18°23'10	1♉31	23°49	23°21	9°55	28° 7	24°53	16°38	18°13	27° 9	1°17	0°41	23°59	7°34								
T 9	13 9 53	19°21'53	14°31	24°15	24°35	10°38	28° 0	24°56	16°35	18°12	27°10	1° 5	0°38	24° 6	7°38								
F 10	13 13 50	20°20'34	27°17	24°45	25°48	11°21	27°54	24°58	16°33	18°10	27°11	0°52	0°35	24°12	7°42								
S 11	13 17 46	21°19'13	9♌50	25°18	27° 1	12° 4	27°47	25° 0	16°30	18° 9	27°12	0°39	0°31	24°19	7°46								
S 12	13 21 43	22°17'51	22° 9	25°56	28°15	12°47	27°40	25° 3	16°28	18° 8	27°13	0°27	0°28	24°26	7°50								
M13	13 25 39	23°16'26	4♋17	26°38	29°28	13°30	27°34	25° 5	16°25	18° 6	27°14	0°17	0°25	24°32	7°54								
T 14	13 29 36	24°15'00	16°14	27°23	0♏41	14°12	27°28	25° 7	16°23	18° 5	27°16	0° 9	0°22	24°39	7°58								
W15	13 33 32	25°13'32	28° 5	28°12	1°55	14°55	27°22	25° 9	16°20	18° 3	27°17	0° 4	0°19	24°46	8° 2								
T 16	13 37 29	26°12'03	9♉54	29° 4	3° 8	15°38	27°16	25°11	16°18	18° 2	27°18	0° 2	0°15	24°52	8° 6								
F 17	13 41 25	27°10'32	21°45	0♏ 0	4°22	16°20	27°10	25°12	16°15	18° 0	27°19	0° 1	0°12	24°59	8°10								
S 18	13 45 22	28° 8'59	3♊44	0°58	5°35	17° 3	27° 4	25°14	16°13	17°59	27°20	0° 1	0° 9	25° 6	8°14								
S 19	13 49 19	29° 7'24	15°57	1°59	6°48	17°46	26°58	25°16	16°10	17°57	27°21	0° 1	0° 6	25°12	8°18								
M20	13 53 15	0♉ 5'48	28°28	3° 3	8° 2	18°28	26°53	25°17	16° 8	17°56	27°23	29♉59	0° 3	25°19	8°22								
T 21	13 57 12	1° 4'10	11♋23	4°10	9°15	19°10	26°47	25°19	16° 5	17°54	27°24	29°55	0° 0	25°26	8°26								
W22	14 1 8	2° 2'31	24°43	5°19	10°28	19°53	26°42	25°20	16° 3	17°53	27°25	29°48	29♉56	25°32	8°30								
T 23	14 5 5	3° 0'50	8♏30	6°31	11°42	20°35	26°37	25°21	16° 0	17°51	27°26	29°38	29°53	25°39	8°35								
F 24	14 9 1	3°59'07	22°42	7°45	12°55	21°17	26°32	25°22	15°58	17°50	27°28	29°27	29°50	25°46	8°39								
S 25	14 12 58	4°57'23	7♉14	9° 1	14° 9	22° 0	26°27	25°23	15°55	17°48	27°29	29°15	29°47	25°52	8°43								
S 26	14 16 54	5°55'37	21°59	10°20	15°22	22°42	26°22	25°24	15°53	17°46	27°30	29° 4	29°44	25°59	8°47								
M27	14 20 51	6°53'49	6♐48	11°40	16°35	23°24	26°18	25°25	15°51	17°45	27°31	28°55	29°41	26° 6	8°51								
T 28	14 24 48	7°51'59	21°34	13° 3	17°49	24° 6	26°14	25°25	15°48	17°43	27°33	28°49	29°37	26°12	8°55								
W29	14 28 44	8°50'07	6♉10	14°29	19° 2	24°48	26° 9	25°26	15°46	17°42	27°34	28°45	29°34	26°19	8°59								
T 30	14 32 41	9♋48'13	20♉31	15♏56	20♏16	25♉30	26♏ 5	25♉27	15°44	17♌40	27♉35	28♉44	29♉31	26♋26	9♉ 3								

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SWISS EPHEMERIS for the year 1637

MAY 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
F 1	14 36 37	10♃46'18	4♌36	17♍25	21♎29	26♏12	26°R 1	25♁27	15°R41	17°R39	27♂37	28°R44	29♃28	26♅32	9♄ 8								
S 2	14 40 34	11°44'20	18°23	18°56	22°42	26°54	25♎58	25°27	15♏39	17♌37	27°38	28♁44	29°25	26°39	9°12								
S 3	14 44 30	12°42'20	1♎54	20°30	23°56	27°36	25°54	25°28	15°37	17°35	27°39	28°42	29°21	26°46	9°16								
M 4	14 48 27	13°40'18	15°11	22° 5	25° 9	28°18	25°51	25°28	15°35	17°34	27°41	28°39	29°18	26°52	9°20								
T 5	14 52 23	14°38'15	28°14	23°43	26°22	28°59	25°48	25°R28	15°33	17°32	27°42	28°33	29°15	26°59	9°24								
W 6	14 56 20	15°36'09	11♌ 5	25°22	27°36	29°41	25°45	25°28	15°31	17°30	27°43	28°24	29°12	27° 6	9°28								
T 7	15 0 17	16°34'02	23°45	27° 4	28°49	0♐23	25°42	25°27	15°29	17°29	27°45	28°13	29° 9	27°12	9°32								
F 8	15 4 13	17°31'54	6♌14	28°47	0♃ 3	1° 4	25°39	25°27	15°26	17°27	27°46	28° 1	29° 6	27°19	9°36								
S 9	15 8 10	18°29'44	18°32	0♃33	1°16	1°46	25°37	25°27	15°24	17°26	27°47	27°49	29° 2	27°26	9°40								
S 10	15 12 6	19°27'32	0♁41	2°20	2°29	2°28	25°34	25°26	15°22	17°24	27°49	27°37	28°59	27°32	9°44								
M11	15 16 3	20°25'19	12°41	4°10	3°43	3° 9	25°32	25°26	15°20	17°22	27°50	27°28	28°56	27°39	9°49								
T 12	15 19 59	21°23'05	24°34	6° 1	4°56	3°51	25°30	25°25	15°19	17°21	27°51	27°21	28°53	27°46	9°53								
W13	15 23 56	22°20'49	6♁23	7°55	6° 9	4°32	25°29	25°24	15°17	17°19	27°53	27°16	28°50	27°52	9°57								
T 14	15 27 52	23°18'32	18°10	9°50	7°23	5°13	25°27	25°23	15°15	17°17	27°54	27°14	28°47	27°59	10° 1								
F 15	15 31 49	24°16'14	0♁ 1	11°48	8°36	5°55	25°26	25°23	15°13	17°16	27°55	27°D13	28°43	28° 6	10° 5								
S 16	15 35 46	25°13'55	12° 0	13°47	9°50	6°36	25°24	25°21	15°11	17°14	27°57	27°14	28°40	28°12	10° 9								
S 17	15 39 42	26°11'35	24°11	15°48	11° 3	7°17	25°23	25°20	15° 9	17°13	27°58	27°R15	28°37	28°19	10°13								
M18	15 43 39	27° 9'14	6♁41	17°51	12°16	7°58	25°23	25°19	15° 8	17°11	27°59	27°14	28°34	28°26	10°17								
T 19	15 47 35	28° 6'51	19°33	19°56	13°30	8°40	25°22	25°18	15° 6	17° 9	28° 1	27°12	28°31	28°32	10°21								
W20	15 51 32	29° 4'28	2♍53	22° 2	14°43	9°21	25°21	25°16	15° 4	17° 8	28° 2	27° 8	28°27	28°39	10°25								
T 21	15 55 28	0♐ 2'04	16°41	24°10	15°57	10° 2	25°21	25°15	15° 3	17° 6	28° 4	27° 1	28°24	28°46	10°29								
F 22	15 59 25	0♅59'39	0♃57	26°19	17°10	10°43	25°D21	25°13	15° 1	17° 5	28° 5	26°54	28°21	28°52	10°33								
S 23	16 3 21	1°57'13	15°38	28°29	18°23	11°24	25°21	25°12	15° 0	17° 3	28° 6	26°45	28°18	28°59	10°37								
S 24	16 7 18	2°54'46	0♐36	0♐40	19°37	12° 5	25°21	25°10	14°58	17° 2	28° 8	26°37	28°15	29° 6	10°40								
M25	16 11 15	3°52'17	15°42	2°52	20°50	12°46	25°22	25° 8	14°57	17° 0	28° 9	26°30	28°12	29°12	10°44								
T 26	16 15 11	4°49'48	0♁48	5° 4	22° 4	13°27	25°22	25° 6	14°56	16°58	28°10	26°26	28° 8	29°19	10°48								
W27	16 19 8	5°47'18	15°43	7°16	23°17	14° 7	25°23	25° 4	14°54	16°57	28°12	26°24	28° 5	29°26	10°52								
T 28	16 23 4	6°44'46	0♌21	9°27	24°31	14°48	25°24	25° 2	14°53	16°55	28°13	26°D23	28° 2	29°32	10°56								
F 29	16 27 1	7°42'13	14°38	11°39	25°44	15°29	25°25	25° 0	14°52	16°54	28°14	26°24	27°59	29°39	11° 0								
S 30	16 30 57	8°39'39	28°32	13°50	26°58	16°10	25°26	24°57	14°51	16°52	28°16	26°25	27°56	29°46	11° 4								
S 31	16 34 54	9♐37'03	12♎ 4	15♐59	28♁11	16♐50	25♎28	24♁55	14♏49	16♌51	28♂17	26°R25	27♁53	29♅52	11♄ 7								

Delta T = 63.84 sec.

Greg. Calendar

JUNE 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	16 38 50	10♐34'27	25♎16	18♐ 8	29♁24	17♐31	25♎29	24°R53	14°R48	16°R49	28♂18	26°R24	27♁49	29♅59	11♄11								
T 2	16 42 47	11°31'49	8♌ 9	20°15	0♐38	18°12	25°31	24♁50	14♏47	16♌48	28°20	26♁21	27°46	0♃ 6	11°15								
W 3	16 46 44	12°29'10	20°48	22°20	1°51	18°52	25°33	24°47	14°46	16°47	28°21	26°17	27°43	0°12	11°18								
T 4	16 50 40	13°26'30	3♌13	24°24	3° 5	19°33	25°35	24°45	14°45	16°45	28°22	26°10	27°40	0°19	11°22								
F 5	16 54 37	14°23'49	15°28	26°26	4°18	20°13	25°38	24°42	14°44	16°44	28°24	26° 3	27°37	0°26	11°26								
S 6	16 58 33	15°21'07	27°34	28°25	5°32	20°53	25°40	24°39	14°44	16°42	28°25	25°55	27°33	0°32	11°29								
S 7	17 2 30	16°18'25	9♁32	0♁23	6°45	21°34	25°43	24°36	14°43	16°41	28°26	25°49	27°30	0°39	11°33								
M 8	17 6 26	17°15'42	21°25	2°18	7°59	22°14	25°46	24°33	14°42	16°40	28°28	25°43	27°27	0°46	11°36								
T 9	17 10 23	18°12'58	3♁15	4°11	9°12	22°55	25°49	24°30	14°41	16°38	28°29	25°39	27°24	0°52	11°40								
W10	17 14 19	19°10'13	15° 3	6° 2	10°26	23°35	25°52	24°27	14°41	16°37	28°30	25°37	27°21	0°59	11°43								
T 11	17 18 16	20° 7'29	26°52	7°50	11°39	24°15	25°55	24°24	14°40	16°36	28°32	25°D36	27°18	1° 6	11°47								
F 12	17 22 13	21° 4'43	8♁45	9°36	12°53	24°55	25°59	24°20	14°40	16°34	28°33	25°37	27°14	1°12	11°50								
S 13	17 26 9	22° 1'58	20°46	11°20	14° 6	25°35	26° 3	24°17	14°39	16°33	28°34	25°38	27°11	1°19	11°54								
S 14	17 30 6	22°59'12	2♁59	13° 1	15°20	26°16	26° 7	24°14	14°39	16°32	28°35	25°40	27° 8	1°26	11°57								
M15	17 34 2	23°56'25	15°29	14°40	16°33	26°56	26°11	24°10	14°38	16°31	28°37	25°41	27° 5	1°32	12° 0								
T 16	17 37 59	24°53'39	28°19	16°17	17°47	27°36	26°15	24° 7	14°38	16°30	28°38	25°R41	27° 2	1°39	12° 4								
W17	17 41 55	25°50'52	11♍34	17°51	19° 0	28°16	26°19	24° 3	14°38	16°28	28°39	25°40	26°59	1°46	12° 7								
T 18	17 45 52	26°48'06	25°16	19°22	20°14	28°56	26°24	24° 0	14°37	16°27	28°40	25°38	26°55	1°52	12°10								
F 19	17 49 48	27°45'19	9♁26	20°51	21°28	29°36	26°28	23°56	14°37	16°26	28°41	25°35	26°52	1°59	12°13								
S 20	17 53 45	28°42'33	24° 2	22°18	22°41	0♁16	26°33	23°52	14°37	16°25	28°43	25°31	26°49	2° 6	12°17								
S 21	17 57 42	29°39'46	8♐58	23°42	23°55	0°56	26°38	23°48	14°37	16°24	28°44	25°28	26°46	2°12	12°20								
M22	18 1 38	0♁36'59	24° 7	25° 4	25° 9	1°35	26°43	23°44	14°D37	16°23	28°45	25°25	26°43	2°19	12°23								
T 23	18 5 35	1°34'13	9♁20	26°23	26°22	2°15	26°48	23°41	14°37	16°22	28°46	25°23	26°39	2°25	12°26								
W24	18 9 31	2°31'26	24°26	27°39	27°36	2°55	26°54	23°37	14°37	16°21	28°47	25°D23	26°36	2°32	12°29								
T 25	18 13 28	3°28'38	9♐17	28°53	28°49	3°35	26°59	23°33	14°37	16°20	28°49	25°23	26°33	2°39	12°32								
F 26	18 17 24	4°25'50	23°47	0♌ 3	0♁ 3	4°15	27° 5	23°29	14°37	16°19	28°50	25°24	26°30	2°45	12°35								
S 27	18 21 21	5°23'02	7♎53	1°11	1°17	4°54	27°11	23°25	14°37	16°18	28°51	25°25	26°27	2°52	12°38								
S 28	18 25 18	6°20'14	21°32	2°17	2°31	5°34	27°17	23°20	14°38	16°17	28°52	25°27	26°24	2°59	12°40								
M29	18 29 14	7°17'25	4♌47	3°19	3°44	6°14	27°23	23°16	14°38	16°16	28°53	25°R27	26°20	3° 5	12°43								
T 30	18 33 11	8♁14'36	17♏40	4♌18	4♁58	6♁53	27♎29	23♁12	14♏38	16♌15	28♂54	25♁27	26♁17	3♁12	12♄46								

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SWISS EPHEMERIS for the year 1637

JULY 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	18 37 7	9 ⁵⁵ 11'47	0 ⁰⁰ 13	5 ⁰⁰ 14	6 ⁵² 12	7 ⁵³ 33	27 ⁰⁰ 36	23 ⁵⁰ R 8	14 ⁵⁰ 39	16 ⁵⁰ R14	28 ⁵⁰ 55	25 ⁵⁰ R26	26 ⁵⁰ 14	3 ⁵⁰ 19	12 ⁵⁰ 49	
T 2	18 41 4	10 ⁵⁵ 8'57	12 ⁵⁵ 32	6 ⁵⁵ 7	7 ⁵⁵ 25	8 ⁵⁵ 12	27 ⁵⁵ 42	23 ⁵⁵ 4	14 ⁵⁵ 39	16 ⁵⁵ 14	28 ⁵⁵ 56	25 ⁵⁵ 24	26 ⁵⁵ 11	3 ⁵⁵ 25	12 ⁵⁵ 51	
F 3	18 45 0	11 ⁵⁵ 6'08	24 ⁵⁵ 38	6 ⁵⁵ 56	8 ⁵⁵ 39	8 ⁵⁵ 52	27 ⁵⁵ 49	22 ⁵⁵ 59	14 ⁵⁵ 40	16 ⁵⁵ 13	28 ⁵⁵ 57	25 ⁵⁵ 22	26 ⁵⁵ 8	3 ⁵⁵ 32	12 ⁵⁵ 54	
S 4	18 48 57	12 ⁵⁵ 3'18	6 ⁵⁵ 35	7 ⁵⁵ 42	9 ⁵⁵ 53	9 ⁵⁵ 31	27 ⁵⁵ 56	22 ⁵⁵ 55	14 ⁵⁵ 41	16 ⁵⁵ 12	28 ⁵⁵ 58	25 ⁵⁵ 20	26 ⁵⁵ 5	3 ⁵⁵ 39	12 ⁵⁵ 57	
S 5	18 52 53	13 ⁵⁵ 0'29	18 ⁵⁵ 27	8 ⁵⁵ 24	11 ⁵⁵ 7	10 ⁵⁵ 11	28 ⁵⁵ 3	22 ⁵⁵ 51	14 ⁵⁵ 41	16 ⁵⁵ 11	28 ⁵⁵ 59	25 ⁵⁵ 18	26 ⁵⁵ 1	3 ⁵⁵ 45	12 ⁵⁵ 59	
M 6	18 56 50	13 ⁵⁵ 57'40	0 ⁵⁵ 17	9 ⁵⁵ 2	12 ⁵⁵ 20	10 ⁵⁵ 50	28 ⁵⁵ 10	22 ⁵⁵ 46	14 ⁵⁵ 42	16 ⁵⁵ 11	29 ⁵⁵ 1	25 ⁵⁵ 17	25 ⁵⁵ 58	3 ⁵⁵ 52	13 ⁵⁵ 2	
T 7	19 0 47	14 ⁵⁵ 54'50	12 ⁵⁵ 5	9 ⁵⁵ 36	13 ⁵⁵ 34	11 ⁵⁵ 29	28 ⁵⁵ 17	22 ⁵⁵ 42	14 ⁵⁵ 43	16 ⁵⁵ 10	29 ⁵⁵ 2	25 ⁵⁵ 16	25 ⁵⁵ 55	3 ⁵⁵ 59	13 ⁵⁵ 4	
W 8	19 4 43	15 ⁵⁵ 52'02	23 ⁵⁵ 55	10 ⁵⁵ 7	14 ⁵⁵ 48	12 ⁵⁵ 9	28 ⁵⁵ 24	22 ⁵⁵ 38	14 ⁵⁵ 43	16 ⁵⁵ 9	29 ⁵⁵ 3	25 ⁵⁵ D16	25 ⁵⁵ 52	4 ⁵⁵ 5	13 ⁵⁵ 6	
T 9	19 8 40	16 ⁵⁵ 49'13	5 ⁵⁵ 49	10 ⁵⁵ 33	16 ⁵⁵ 2	12 ⁵⁵ 48	28 ⁵⁵ 32	22 ⁵⁵ 33	14 ⁵⁵ 44	16 ⁵⁵ 9	29 ⁵⁵ 3	25 ⁵⁵ 16	25 ⁵⁵ 49	4 ⁵⁵ 12	13 ⁵⁵ 9	
F 10	19 12 36	17 ⁵⁵ 46'25	17 ⁵⁵ 50	10 ⁵⁵ 54	17 ⁵⁵ 15	13 ⁵⁵ 27	28 ⁵⁵ 39	22 ⁵⁵ 29	14 ⁵⁵ 45	16 ⁵⁵ 8	29 ⁵⁵ 4	25 ⁵⁵ 17	25 ⁵⁵ 45	4 ⁵⁵ 19	13 ⁵⁵ 11	
S 11	19 16 33	18 ⁵⁵ 43'37	29 ⁵⁵ 59	11 ⁵⁵ 12	18 ⁵⁵ 29	14 ⁵⁵ 7	28 ⁵⁵ 47	22 ⁵⁵ 25	14 ⁵⁵ 46	16 ⁵⁵ 8	29 ⁵⁵ 5	25 ⁵⁵ 17	25 ⁵⁵ 42	4 ⁵⁵ 25	13 ⁵⁵ 13	
S 12	19 20 29	19 ⁵⁵ 40'50	12 ⁵⁵ 20	11 ⁵⁵ 24	19 ⁵⁵ 43	14 ⁵⁵ 46	28 ⁵⁵ 55	22 ⁵⁵ 20	14 ⁵⁵ 47	16 ⁵⁵ 7	29 ⁵⁵ 6	25 ⁵⁵ 18	25 ⁵⁵ 39	4 ⁵⁵ 32	13 ⁵⁵ 15	
M13	19 24 26	20 ⁵⁵ 38'04	24 ⁵⁵ 55	11 ⁵⁵ 32	20 ⁵⁵ 57	15 ⁵⁵ 25	29 ⁵⁵ 3	22 ⁵⁵ 16	14 ⁵⁵ 48	16 ⁵⁵ 7	29 ⁵⁵ 7	25 ⁵⁵ 18	25 ⁵⁵ 36	4 ⁵⁵ 39	13 ⁵⁵ 18	
T 14	19 28 22	21 ⁵⁵ 35'18	7 ⁵⁵ 48	11 ⁵⁵ R35	22 ⁵⁵ 11	16 ⁵⁵ 4	29 ⁵⁵ 11	22 ⁵⁵ 11	14 ⁵⁵ 49	16 ⁵⁵ 6	29 ⁵⁵ 8	25 ⁵⁵ 19	25 ⁵⁵ 33	4 ⁵⁵ 45	13 ⁵⁵ 20	
W15	19 32 19	22 ⁵⁵ 32'33	21 ⁵⁵ 1	11 ⁵⁵ 33	23 ⁵⁵ 25	16 ⁵⁵ 43	29 ⁵⁵ 19	22 ⁵⁵ 7	14 ⁵⁵ 51	16 ⁵⁵ 6	29 ⁵⁵ 9	25 ⁵⁵ R19	25 ⁵⁵ 30	4 ⁵⁵ 52	13 ⁵⁵ 22	
T 16	19 36 16	23 ⁵⁵ 29'49	4 ⁵⁵ 37	11 ⁵⁵ 27	24 ⁵⁵ 39	17 ⁵⁵ 22	29 ⁵⁵ 27	22 ⁵⁵ 2	14 ⁵⁵ 52	16 ⁵⁵ 5	29 ⁵⁵ 10	25 ⁵⁵ 19	25 ⁵⁵ 26	4 ⁵⁵ 59	13 ⁵⁵ 24	
F 17	19 40 12	24 ⁵⁵ 27'06	18 ⁵⁵ 36	11 ⁵⁵ 15	25 ⁵⁵ 52	18 ⁵⁵ 2	29 ⁵⁵ 35	21 ⁵⁵ 58	14 ⁵⁵ 53	16 ⁵⁵ 5	29 ⁵⁵ 11	25 ⁵⁵ 19	25 ⁵⁵ 23	5 ⁵⁵ 5	13 ⁵⁵ 26	
S 18	19 44 9	25 ⁵⁵ 24'23	2 ⁵⁵ 11	10 ⁵⁵ 58	27 ⁵⁵ 6	18 ⁵⁵ 41	29 ⁵⁵ 44	21 ⁵⁵ 54	14 ⁵⁵ 54	16 ⁵⁵ 5	29 ⁵⁵ 12	25 ⁵⁵ D19	25 ⁵⁵ 20	5 ⁵⁵ 12	13 ⁵⁵ 28	
S 19	19 48 5	26 ⁵⁵ 21'42	17 ⁵⁵ 40	10 ⁵⁵ 37	28 ⁵⁵ 20	19 ⁵⁵ 20	29 ⁵⁵ 53	21 ⁵⁵ 49	14 ⁵⁵ 56	16 ⁵⁵ 4	29 ⁵⁵ 12	25 ⁵⁵ 19	25 ⁵⁵ 17	5 ⁵⁵ 19	13 ⁵⁵ 29	
M20	19 52 2	27 ⁵⁵ 19'02	2 ⁵⁵ 37	10 ⁵⁵ 11	29 ⁵⁵ 34	19 ⁵⁵ 59	0 ⁵⁵ 1	21 ⁵⁵ 45	14 ⁵⁵ 57	16 ⁵⁵ 4	29 ⁵⁵ 13	25 ⁵⁵ 19	25 ⁵⁵ 14	5 ⁵⁵ 25	13 ⁵⁵ 31	
T 21	19 55 58	28 ⁵⁵ 16'22	17 ⁵⁵ 42	9 ⁵⁵ 41	0 ⁵⁵ 48	20 ⁵⁵ 38	0 ⁵⁵ 10	21 ⁵⁵ 40	14 ⁵⁵ 59	16 ⁵⁵ 4	29 ⁵⁵ 14	25 ⁵⁵ 19	25 ⁵⁵ 11	5 ⁵⁵ 32	13 ⁵⁵ 33	
W22	19 59 55	29 ⁵⁵ 13'43	2 ⁵⁵ 45	9 ⁵⁵ 7	2 ⁵⁵ 2	21 ⁵⁵ 17	0 ⁵⁵ 19	21 ⁵⁵ 36	15 ⁵⁵ 0	16 ⁵⁵ 4	29 ⁵⁵ 15	25 ⁵⁵ R19	25 ⁵⁵ 7	5 ⁵⁵ 39	13 ⁵⁵ 35	
T 23	20 3 51	0 ⁵⁵ 11'05	17 ⁵⁵ 39	8 ⁵⁵ 30	3 ⁵⁵ 16	21 ⁵⁵ 56	0 ⁵⁵ 28	21 ⁵⁵ 32	15 ⁵⁵ 2	16 ⁵⁵ 3	29 ⁵⁵ 16	25 ⁵⁵ 19	25 ⁵⁵ 4	5 ⁵⁵ 45	13 ⁵⁵ 36	
F 24	20 7 48	1 ⁵⁵ 8'28	2 ⁵⁵ 15	7 ⁵⁵ 50	4 ⁵⁵ 30	22 ⁵⁵ 34	0 ⁵⁵ 37	21 ⁵⁵ 27	15 ⁵⁵ 3	16 ⁵⁵ 3	29 ⁵⁵ 16	25 ⁵⁵ 18	25 ⁵⁵ 1	5 ⁵⁵ 52	13 ⁵⁵ 38	
S 25	20 11 45	2 ⁵⁵ 5'51	16 ⁵⁵ 28	7 ⁵⁵ 7	5 ⁵⁵ 44	23 ⁵⁵ 13	0 ⁵⁵ 47	21 ⁵⁵ 23	15 ⁵⁵ 5	16 ⁵⁵ 3	29 ⁵⁵ 17	25 ⁵⁵ 18	24 ⁵⁵ 58	5 ⁵⁵ 58	13 ⁵⁵ 39	
S 26	20 15 41	3 ⁵⁵ 3'15	0 ⁵⁵ 16	6 ⁵⁵ 23	6 ⁵⁵ 58	23 ⁵⁵ 52	0 ⁵⁵ 56	21 ⁵⁵ 19	15 ⁵⁵ 7	16 ⁵⁵ 3	29 ⁵⁵ 18	25 ⁵⁵ 17	24 ⁵⁵ 55	6 ⁵⁵ 5	13 ⁵⁵ 41	
M27	20 19 38	4 ⁵⁵ 0'39	13 ⁵⁵ 37	5 ⁵⁵ 37	8 ⁵⁵ 12	24 ⁵⁵ 31	1 ⁵⁵ 5	21 ⁵⁵ 14	15 ⁵⁵ 8	16 ⁵⁵ 3	29 ⁵⁵ 18	25 ⁵⁵ 16	24 ⁵⁵ 51	6 ⁵⁵ 12	13 ⁵⁵ 42	
T 28	20 23 34	4 ⁵⁵ 58'04	26 ⁵⁵ 33	4 ⁵⁵ 52	9 ⁵⁵ 26	25 ⁵⁵ 10	1 ⁵⁵ 15	21 ⁵⁵ 10	15 ⁵⁵ 10	16 ⁵⁵ D 3	29 ⁵⁵ 19	25 ⁵⁵ 15	24 ⁵⁵ 48	6 ⁵⁵ 18	13 ⁵⁵ 43	
W29	20 27 31	5 ⁵⁵ 55'30	9 ⁵⁵ 11	4 ⁵⁵ 7	10 ⁵⁵ 40	25 ⁵⁵ 49	1 ⁵⁵ 25	21 ⁵⁵ 6	15 ⁵⁵ 12	16 ⁵⁵ 3	29 ⁵⁵ 20	25 ⁵⁵ D15	24 ⁵⁵ 45	6 ⁵⁵ 25	13 ⁵⁵ 45	
T 30	20 31 27	6 ⁵⁵ 52'56	21 ⁵⁵ 24	3 ⁵⁵ 24	11 ⁵⁵ 54	26 ⁵⁵ 27	1 ⁵⁵ 34	21 ⁵⁵ 2	15 ⁵⁵ 14	16 ⁵⁵ 3	29 ⁵⁵ 20	25 ⁵⁵ 16	24 ⁵⁵ 42	6 ⁵⁵ 32	13 ⁵⁵ 46	
F 31	20 35 24	7 ⁵⁵ 50'23	3 ⁵⁵ 27	2 ⁵⁵ 44	13 ⁵⁵ 8	27 ⁵⁵ 6	1 ⁵⁵ 44	20 ⁵⁵ 38	15 ⁵⁵ 16	16 ⁵⁵ 3	29 ⁵⁵ 21	25 ⁵⁵ 17	24 ⁵⁵ 39	6 ⁵⁵ 38	13 ⁵⁵ 47	

Delta T = 63.51 sec.

Greg. Calendar

AUGUST 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	20 39 20	8 ⁵⁵ 47'51	15 ⁵⁵ 21	2 ⁵⁵ R 6	14 ⁵⁵ 22	27 ⁵⁵ 45	1 ⁵⁵ 54	20 ⁵⁵ R53	15 ⁵⁵ 18	16 ⁵⁵ 11	29 ⁵⁵ 22	25 ⁵⁵ 18	24 ⁵⁵ 36	6 ⁵⁵ 45	13 ⁵⁵ 48	
S 2	20 43 17	9 ⁵⁵ 45'20	27 ⁵⁵ 10	1 ⁵⁵ 33	15 ⁵⁵ 37	28 ⁵⁵ 23	2 ⁵⁵ 4	20 ⁵⁵ 34	15 ⁵⁵ 20	16 ⁵⁵ 3	29 ⁵⁵ 22	25 ⁵⁵ 19	24 ⁵⁵ 32	6 ⁵⁵ 52	13 ⁵⁵ 49	
M 3	20 47 14	10 ⁵⁵ 42'50	8 ⁵⁵ 38	1 ⁵⁵ 4	16 ⁵⁵ 51	29 ⁵⁵ 2	2 ⁵⁵ 14	20 ⁵⁵ 45	15 ⁵⁵ 22	16 ⁵⁵ 4	29 ⁵⁵ 23	25 ⁵⁵ 20	24 ⁵⁵ 29	6 ⁵⁵ 58	13 ⁵⁵ 50	
T 4	20 51 10	11 ⁵⁵ 40'20	20 ⁵⁵ 48	0 ⁵⁵ 40	18 ⁵⁵ 5	29 ⁵⁵ 41	2 ⁵⁵ 24	20 ⁵⁵ 41	15 ⁵⁵ 24	16 ⁵⁵ 4	29 ⁵⁵ 23	25 ⁵⁵ R21	24 ⁵⁵ 26	7 ⁵⁵ 5	13 ⁵⁵ 51	
W 5	20 55 7	12 ⁵⁵ 37'52	2 ⁵⁵ 44	0 ⁵⁵ 23	19 ⁵⁵ 19	0 ⁵⁵ 19	2 ⁵⁵ 35	20 ⁵⁵ 37	15 ⁵⁵ 26	16 ⁵⁵ 4	29 ⁵⁵ 24	25 ⁵⁵ 21	24 ⁵⁵ 23	7 ⁵⁵ 12	13 ⁵⁵ 52	
T 6	20 59 3	13 ⁵⁵ 35'25	14 ⁵⁵ 47	0 ⁵⁵ 11	20 ⁵⁵ 33	0 ⁵⁵ 58	2 ⁵⁵ 45	20 ⁵⁵ 33	15 ⁵⁵ 28	16 ⁵⁵ 4	29 ⁵⁵ 24	25 ⁵⁵ 20	24 ⁵⁵ 20	7 ⁵⁵ 18	13 ⁵⁵ 53	
F 7	21 3 0	14 ⁵⁵ 32'59	27 ⁵⁵ 0	0 ⁵⁵ D 6	21 ⁵⁵ 47	1 ⁵⁵ 37	2 ⁵⁵ 56	20 ⁵⁵ 30	15 ⁵⁵ 31	16 ⁵⁵ 5	29 ⁵⁵ 25	25 ⁵⁵ 18	24 ⁵⁵ 17	7 ⁵⁵ 25	13 ⁵⁵ 53	
S 8	21 6 56	15 ⁵⁵ 30'34	9 ⁵⁵ 23	0 ⁵⁵ 8	23 ⁵⁵ 1	2 ⁵⁵ 15	3 ⁵⁵ 6	20 ⁵⁵ 26	15 ⁵⁵ 33	16 ⁵⁵ 5	29 ⁵⁵ 25	25 ⁵⁵ 15	24 ⁵⁵ 13	7 ⁵⁵ 32	13 ⁵⁵ 54	
S 9	21 10 53	16 ⁵⁵ 28'11	21 ⁵⁵ 59	0 ⁵⁵ 18	24 ⁵⁵ 15	2 ⁵⁵ 54	3 ⁵⁵ 17	20 ⁵⁵ 22	15 ⁵⁵ 35	16 ⁵⁵ 5	29 ⁵⁵ 26	25 ⁵⁵ 12	24 ⁵⁵ 10	7 ⁵⁵ 38	13 ⁵⁵ 55	
M10	21 14 49	17 ⁵⁵ 25'48	4 ⁵⁵ 48	0 ⁵⁵ 34	25 ⁵⁵ 29	3 ⁵⁵ 32	3 ⁵⁵ 27	20 ⁵⁵ 18	15 ⁵⁵ 38	16 ⁵⁵ 6	29 ⁵⁵ 26	25 ⁵⁵ 9	24 ⁵⁵ 7	7 ⁵⁵ 45	13 ⁵⁵ 55	
T 11	21 18 46	18 ⁵⁵ 23'28	17 ⁵⁵ 51	0 ⁵⁵ 58	26 ⁵⁵ 44	4 ⁵⁵ 11	3 ⁵⁵ 38	20 ⁵⁵ 15	15 ⁵⁵ 40	16 ⁵⁵ 6	29 ⁵⁵ 26	25 ⁵⁵ 6	24 ⁵⁵ 4	7 ⁵⁵ 52	13 ⁵⁵ 56	
W12	21 22 43	19 ⁵⁵ 21'09	1 ⁵⁵ 10	1 ⁵⁵ 29	27 ⁵⁵ 58	4 ⁵⁵ 49	3 ⁵⁵ 49	20 ⁵⁵ 11	15 ⁵⁵ 43	16 ⁵⁵ 7	29 ⁵⁵ 27	25 ⁵⁵ 4	24 ⁵⁵ 1	7 ⁵⁵ 58	13 ⁵⁵ 56	
T 13	21 26 39	20 ⁵⁵ 18'52	14 ⁵⁵ 45	2 ⁵⁵ 7	29 ⁵⁵ 12	5 ⁵⁵ 27	4 ⁵⁵ 0	20 ⁵⁵ 8	15 ⁵⁵ 45	16 ⁵⁵ 7	29 ⁵⁵ 27	25 ⁵⁵ D 3	23 ⁵⁵ 57	8 ⁵⁵ 5	13 ⁵⁵ 57	
F 14	21 30 36	21 ⁵⁵ 16'36	28 ⁵⁵ 37	2 ⁵⁵ 53	0 ⁵⁵ 26	6 ⁵⁵ 6	4 ⁵⁵ 11	20 ⁵⁵								

SWISS EPHEMERIS for the year 1637

SEPTEMBER 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	22 41 34	8 ^h 40'26	29 ^z 31	0 ^m 57	22 ^m 42	17 ^o 34	7 ^z 39	19 ^o R14	16 ^z 39	16 ^m 22	29 ^o R30	24 ^o R40	22 ^z 57	10 ^z 11	13 ^o R52
W 2	22 45 30	9 ^o 38'40	11 ^z 14	2 ^z 53	23 ^z 56	18 ^o 12	7 ^z 52	19 ^z 12	16 ^z 42	16 ^z 24	29 ^z 30	24 ^z 39	22 ^z 54	10 ^z 18	13 ^z 51
T 3	22 49 27	10 ^o 36'55	23 ^z 27	4 ^z 48	25 ^z 11	18 ^o 50	8 ^z 4	19 ^o 10	16 ^z 46	16 ^z 25	29 ^z 30	24 ^z 35	22 ^z 51	10 ^z 25	13 ^z 50
F 4	22 53 23	11 ^o 35'12	5 ^z 55	6 ^z 44	26 ^z 25	19 ^o 28	8 ^z 16	19 ^o 8	16 ^z 49	16 ^z 26	29 ^z 30	24 ^z 30	22 ^z 48	10 ^z 31	13 ^z 49
S 5	22 57 20	12 ^o 33'31	18 ^z 36	8 ^z 39	27 ^z 39	20 ^o 6	8 ^z 28	19 ^o 6	16 ^z 52	16 ^z 27	29 ^z 29	24 ^z 22	22 ^z 44	10 ^z 38	13 ^z 48
S 6	23 1 16	13 ^o 31'52	1 ^z 33	10 ^z 34	28 ^z 53	20 ^o 44	8 ^z 40	19 ^o 4	16 ^z 55	16 ^z 28	29 ^z 29	24 ^z 14	22 ^z 41	10 ^z 44	13 ^z 47
M 7	23 5 13	14 ^o 30'14	14 ^z 43	12 ^z 28	0 ^z 8	21 ^o 22	8 ^z 53	19 ^o 3	16 ^z 59	16 ^z 30	29 ^z 29	24 ^z 5	22 ^z 38	10 ^z 51	13 ^z 46
T 8	23 9 10	15 ^o 28'39	28 ^z 6	14 ^z 21	1 ^z 22	22 ^o 0	9 ^z 5	19 ^o 1	17 ^z 2	16 ^z 31	29 ^z 29	23 ^z 57	22 ^z 35	10 ^z 58	13 ^z 45
W 9	23 13 6	16 ^o 27'05	11 ^z 40	16 ^z 13	2 ^z 36	22 ^o 38	9 ^z 18	19 ^o 0	17 ^z 5	16 ^z 32	29 ^z 29	23 ^z 51	22 ^z 32	11 ^z 4	13 ^z 44
T 10	23 17 3	17 ^o 25'34	25 ^z 25	18 ^z 4	3 ^z 50	23 ^o 15	9 ^z 30	18 ^o 59	17 ^z 9	16 ^z 33	29 ^z 28	23 ^z 46	22 ^z 28	11 ^z 11	13 ^z 42
F 11	23 20 59	18 ^o 24'05	9 ^z 18	19 ^z 55	5 ^z 4	23 ^o 53	9 ^z 43	18 ^o 57	17 ^z 12	16 ^z 35	29 ^z 28	23 ^z 44	22 ^z 25	11 ^z 18	13 ^z 41
S 12	23 24 56	19 ^o 22'39	23 ^z 20	21 ^z 44	6 ^z 19	24 ^o 31	9 ^z 55	18 ^o 56	17 ^z 16	16 ^z 36	29 ^z 28	23 ^z D44	22 ^z 22	11 ^z 24	13 ^z 40
S 13	23 28 52	20 ^o 21'15	7 ^z 30	23 ^z 33	7 ^z 33	25 ^o 9	10 ^z 8	18 ^o 55	17 ^z 19	16 ^z 38	29 ^z 28	23 ^z 45	22 ^z 19	11 ^z 31	13 ^z 38
M 14	23 32 49	21 ^o 19'53	21 ^z 45	25 ^z 20	8 ^z 47	25 ^o 47	10 ^z 20	18 ^o 54	17 ^z 23	16 ^z 39	29 ^z 27	23 ^z R45	22 ^z 16	11 ^z 38	13 ^z 37
T 15	23 36 45	22 ^o 18'33	6 ^z 6	27 ^z 7	10 ^z 1	26 ^o 25	10 ^z 33	18 ^o 54	17 ^z 26	16 ^z 41	29 ^z 27	23 ^z 45	22 ^z 13	11 ^z 44	13 ^z 35
W 16	23 40 42	23 ^o 17'15	20 ^z 27	28 ^z 52	11 ^z 16	27 ^o 2	10 ^z 46	18 ^o 53	17 ^z 30	16 ^z 42	29 ^z 27	23 ^z 42	22 ^z 9	11 ^z 51	13 ^z 33
T 17	23 44 39	24 ^o 15'59	4 ^z 46	0 ^z 37	12 ^z 30	27 ^o 40	10 ^z 58	18 ^o 52	17 ^z 33	16 ^z 44	29 ^z 26	23 ^z 37	22 ^z 6	11 ^z 58	13 ^z 32
F 18	23 48 35	25 ^o 14'46	18 ^z 56	2 ^z 20	13 ^z 44	28 ^o 18	11 ^z 11	18 ^o 52	17 ^z 37	16 ^z 45	29 ^z 26	23 ^z 29	22 ^z 3	12 ^z 4	13 ^z 30
S 19	23 52 32	26 ^o 13'34	2 ^z 53	4 ^z 3	14 ^z 58	28 ^o 56	11 ^z 24	18 ^o 51	17 ^z 40	16 ^z 47	29 ^z 25	23 ^z 19	22 ^z 0	12 ^z 11	13 ^z 28
S 20	23 56 28	27 ^o 12'25	16 ^z 33	5 ^z 44	16 ^z 13	29 ^o 33	11 ^z 36	18 ^o 51	17 ^z 44	16 ^z 48	29 ^z 25	23 ^z 8	21 ^z 57	12 ^z 18	13 ^z 26
M 21	0 0 25	28 ^o 11'17	29 ^z 51	7 ^z 25	17 ^z 27	0 ^z 11	11 ^z 49	18 ^o 51	17 ^z 47	16 ^z 50	29 ^z 25	22 ^z 58	21 ^z 54	12 ^z 24	13 ^z 24
T 22	0 4 21	29 ^o 10'12	12 ^z 48	9 ^z 5	18 ^z 41	0 ^z 49	12 ^z 2	18 ^o 50	17 ^z 51	16 ^z 52	29 ^z 24	22 ^z 48	21 ^z 50	12 ^z 31	13 ^z 22
W 23	0 8 18	0 ^z 9'08	25 ^z 24	10 ^z 43	19 ^z 55	1 ^z 27	12 ^z 15	18 ^o D50	17 ^z 55	16 ^z 53	29 ^z 24	22 ^z 41	21 ^z 47	12 ^z 37	13 ^z 20
T 24	0 12 14	1 ^z 8'06	7 ^z 42	12 ^z 21	21 ^z 10	2 ^z 4	12 ^z 28	18 ^o 51	17 ^z 58	16 ^z 55	29 ^z 23	22 ^z 36	21 ^z 44	12 ^z 44	13 ^z 18
F 25	0 16 11	2 ^z 7'06	19 ^z 44	13 ^z 58	22 ^z 24	2 ^z 42	12 ^z 41	18 ^o 51	18 ^z 2	16 ^z 57	29 ^z 23	22 ^z 33	21 ^z 41	12 ^z 51	13 ^z 16
S 26	0 20 7	3 ^z 6'07	1 ^z 37	15 ^z 34	23 ^z 38	3 ^z 19	12 ^z 54	18 ^o 51	18 ^z 6	16 ^z 58	29 ^z 22	22 ^z D33	21 ^z 38	12 ^z 57	13 ^z 14
S 27	0 24 4	4 ^z 5'11	13 ^z 26	17 ^z 10	24 ^z 52	3 ^z 57	13 ^z 7	18 ^o 51	18 ^z 9	17 ^z 0	29 ^z 21	22 ^z 33	21 ^z 34	13 ^z 4	13 ^z 12
M 28	0 28 1	5 ^z 4'16	25 ^z 15	18 ^z 44	26 ^z 6	4 ^z 35	13 ^z 19	18 ^o 52	18 ^z 13	17 ^z 2	29 ^z 21	22 ^z R33	21 ^z 31	13 ^z 11	13 ^z 10
T 29	0 31 57	6 ^z 3'23	7 ^z 11	20 ^z 18	27 ^z 21	5 ^z 12	13 ^z 32	18 ^o 52	18 ^z 17	17 ^z 4	29 ^z 20	22 ^z 32	21 ^z 28	13 ^z 17	13 ^z 7
W 30	0 35 54	7 ^z 2'32	19 ^z 18	21 ^z 51	28 ^z 35	5 ^z 50	13 ^z 45	18 ^o 53	18 ^z 20	17 ^z 5	29 ^z 20	22 ^z 39	21 ^z 25	13 ^z 24	13 ^z 5

Delta T = 63.19 sec.

Greg. Calendar

OCTOBER 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	0 39 50	8 ^z 1'42	1 ^z 40	23 ^z 23	29 ^z 49	6 ^z 27	13 ^z 58	18 ^z 54	18 ^z 24	17 ^z 7	29 ^o R19	22 ^o R24	21 ^z 22	13 ^z 31	13 ^o R 3
F 2	0 43 47	9 ^z 0'55	14 ^z 20	24 ^z 54	1 ^z 3	7 ^z 5	14 ^z 11	18 ^o 55	18 ^z 28	17 ^z 9	29 ^z 18	22 ^z 15	21 ^z 19	13 ^z 37	13 ^z 0
S 3	0 47 43	10 ^z 0'09	27 ^z 19	26 ^z 25	2 ^z 17	7 ^z 42	14 ^z 24	18 ^o 55	18 ^z 32	17 ^z 11	29 ^z 18	22 ^z 5	21 ^z 15	13 ^z 44	12 ^z 58
S 4	0 51 40	10 ^o 59'26	10 ^z 37	27 ^z 54	3 ^z 31	8 ^z 20	14 ^z 37	18 ^o 57	18 ^z 35	17 ^z 13	29 ^z 17	21 ^z 53	21 ^z 12	13 ^z 51	12 ^z 55
M 5	0 55 36	11 ^o 58'44	24 ^z 12	29 ^z 23	4 ^z 46	8 ^z 57	14 ^z 50	18 ^o 58	18 ^z 39	17 ^z 15	29 ^z 16	21 ^z 40	21 ^z 9	13 ^z 57	12 ^z 53
T 6	0 59 33	12 ^o 58'05	8 ^z 0	0 ^z 51	6 ^z 0	9 ^z 35	15 ^z 3	18 ^o 59	18 ^z 43	17 ^z 17	29 ^z 16	21 ^z 28	21 ^z 6	14 ^z 4	12 ^z 50
W 7	1 3 30	13 ^o 57'28	21 ^z 59	2 ^z 19	7 ^z 14	10 ^z 12	15 ^z 16	19 ^o 0	18 ^z 47	17 ^z 19	29 ^z 15	21 ^z 19	21 ^z 3	14 ^z 10	12 ^z 47
T 8	1 7 26	14 ^o 56'53	6 ^z 4	3 ^z 45	8 ^z 28	10 ^z 49	15 ^z 29	19 ^o 2	18 ^z 50	17 ^z 21	29 ^z 14	21 ^z 12	20 ^z 59	14 ^z 17	12 ^z 45
F 9	1 11 23	15 ^o 56'21	20 ^z 11	5 ^z 11	9 ^z 42	11 ^z 27	15 ^z 42	19 ^o 3	18 ^z 54	17 ^z 23	29 ^z 13	21 ^z 8	20 ^z 56	14 ^z 24	12 ^z 42
S 10	1 15 19	16 ^o 55'50	4 ^z 19	6 ^z 36	10 ^z 56	12 ^z 4	15 ^z 55	19 ^o 5	18 ^z 58	17 ^z 25	29 ^z 12	21 ^z 6	20 ^z 53	14 ^z 30	12 ^z 39
S 11	1 19 16	17 ^o 55'23	18 ^z 25	7 ^z 59	12 ^z 10	12 ^z 42	16 ^z 8	19 ^o 7	19 ^z 2	17 ^z 27	29 ^z 12	21 ^z 6	20 ^z 50	14 ^z 37	12 ^z 37
M 12	1 23 12	18 ^o 54'57	2 ^z 29	9 ^z 23	13 ^z 24	13 ^z 19	16 ^z 21	19 ^o 8	19 ^z 6	17 ^z 29	29 ^z 11	21 ^z 6	20 ^z 47	14 ^z 44	12 ^z 34
T 13	1 27 9	19 ^o 54'34	16 ^z 31	10 ^z 45	14 ^z 38	13 ^z 56	16 ^z 35	19 ^o 10	19 ^z 9	17 ^z 31	29 ^z 10	21 ^z 4	20 ^z 44	14 ^z 50	12 ^z 31
W 14	1 31 5	20 ^o 54'13	0 ^z 29	12 ^z 6	15 ^z 53	14 ^z 34	16 ^z 48	19 ^o 12	19 ^z 13	17 ^z 33	29 ^z 9	21 ^z 0	20 ^z 40	14 ^z 57	12 ^z 28
T 15	1 35 2	21 ^o 53'55	14 ^z 21	13 ^z 26	17 ^z 7	15 ^z 11	17 ^z 1	19 ^o 15	19 ^z 17	17 ^z 35	29 ^z 8	20 ^z 54	20 ^z 37	15 ^z 4	12 ^z 25
F 16	1 38 59	22 ^o 53'38	28 ^z 6	14 ^z 45	18 ^z 21	15 ^z 48	17 ^z 14	19 ^o 17	19 ^z 21	17 ^z 37	29 ^z 7	20 ^z 44	20 ^z 34	15 ^z 10	12 ^z 22
S 17	1 42 55	23 ^o 53'24	11 ^z 39	16 ^z 3	19 ^z 35	16 ^z 25	17 ^z 27	19 ^o 19	19 ^z 24	17 ^z 39	29 ^z 7	20 ^z 32	20 ^z 31</		

SWISS EPHEMERIS for the year 1637

NOVEMBER 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑
S 1	2 42 3	8♍53'28	18♃57	1♂14	8♁5	25♃42	20♄40	20♃5	20♄20	18♍12	28♃52	18♃56	19♃43	16♃57	11♃34						
M 2	2 46 0	9°53'41	2♂53	1°44	9°18	26°19	20°52	20°8	20°24	18°14	28♃51	18♃44	19°40	17°3	11♃30						
T 3	2 49 57	10°53'57	17°6	2°8	10°32	26°56	21°5	20°12	20°27	18°16	28°50	18°33	19°37	17°10	11°27						
W 4	2 53 53	11°54'14	1♂32	2°25	11°46	27°33	21°18	20°16	20°31	18°18	28°49	18°24	19°34	17°17	11°24						
T 5	2 57 50	12°54'33	16°3	2°33	13°0	28°10	21°30	20°20	20°35	18°20	28°48	18°18	19°31	17°23	11°21						
F 6	3 1 46	13°54'54	0♂34	2°R34	14°14	28°46	21°43	20°24	20°38	18°23	28°46	18°14	19°27	17°30	11°18						
S 7	3 5 43	14°55'17	15°0	2°25	15°28	29°23	21°55	20°28	20°42	18°25	28°45	18°D13	19°24	17°36	11°15						
S 8	3 9 39	15°55'41	29°18	2°6	16°41	0♄0	22°8	20°33	20°45	18°27	28°44	18°13	19°21	17°43	11°11						
M 9	3 13 36	16°56'08	13♂24	1°37	17°55	0°37	22°20	20°37	20°49	18°29	28°43	18°R14	19°18	17°50	11°8						
T 10	3 17 32	17°56'37	27°19	0°58	19°9	1°14	22°33	20°41	20°52	18°32	28°42	18°14	19°15	17°56	11°5						
W11	3 21 29	18°57'07	11♃3	0°9	20°23	1°50	22°45	20°46	20°56	18°34	28°41	18°11	19°11	18°3	11°2						
T 12	3 25 26	19°57'40	24°35	29♍10	21°36	2°27	22°57	20°50	20°59	18°36	28°40	18°7	19°8	18°10	10°59						
F 13	3 29 22	20°58'14	7♄56	28°3	22°50	3°4	23°10	20°55	21°2	18°38	28°39	18°0	19°5	18°16	10°56						
S 14	3 33 19	21°58'49	21°5	26°48	24°4	3°40	23°22	20°59	21°6	18°41	28°38	17°50	19°2	18°23	10°53						
S 15	3 37 15	22°59'27	4♍2	25°29	25°17	4°17	23°34	21°4	21°9	18°43	28°36	17°40	18°59	18°30	10°50						
M16	3 41 12	24°0'06	16°46	24°8	26°31	4°54	23°46	21°9	21°13	18°45	28°35	17°30	18°56	18°36	10°47						
T 17	3 45 8	25°0'47	29°18	22°47	27°45	5°30	23°58	21°14	21°16	18°48	28°34	17°20	18°52	18°43	10°44						
W18	3 49 5	26°1'29	11♂36	21°29	28°58	6°7	24°10	21°19	21°19	18°50	28°33	17°13	18°49	18°50	10°41						
T 19	3 53 1	27°2'12	23°42	20°16	0♂12	6°43	24°22	21°24	21°22	18°52	28°32	17°7	18°46	18°56	10°38						
F 20	3 56 58	28°2'57	5♂39	19°11	1°26	7°20	24°34	21°29	21°26	18°54	28°31	17°4	18°43	19°3	10°35						
S 21	4 0 55	29°3'43	17°28	18°16	2°39	7°56	24°46	21°34	21°29	18°56	28°30	17°D 4	18°40	19°9	10°32						
S 22	4 4 51	0♂4'30	29°14	17°31	3°53	8°33	24°58	21°39	21°32	18°59	28°29	17°4	18°37	19°16	10°29						
M23	4 8 48	1°5'18	11♁2	16°58	5°6	9°9	25°10	21°45	21°35	19°1	28°27	17°6	18°33	19°23	10°26						
T 24	4 12 44	2°6'07	22°55	16°36	6°20	9°46	25°21	21°50	21°38	19°3	28°26	17°7	18°30	19°29	10°23						
W25	4 16 41	3°6'56	5♂8	16°D26	7°33	10°22	25°33	21°56	21°41	19°5	28°25	17°R 7	18°27	19°36	10°20						
T 26	4 20 37	4°7'47	17°22	16°26	8°46	10°58	25°45	22°1	21°44	19°8	28°24	17°6	18°24	19°43	10°17						
F 27	4 24 34	5°8'39	0♂5	16°37	10°0	11°35	25°56	22°7	21°47	19°10	28°23	17°3	18°21	19°49	10°14						
S 28	4 28 30	6°9'31	13°13	16°57	11°13	12°11	26°8	22°12	21°50	19°12	28°22	16°59	18°17	19°56	10°12						
S 29	4 32 27	7°10'24	26°48	17°26	12°26	12°47	26°19	22°18	21°53	19°14	28°21	16°53	18°14	20°3	10°9						
M30	4 36 24	8♂11'19	10♂50	18♍3	13♂40	13♄23	26♄30	22♂24	21♄56	19♍16	28♂19	16♂46	18♂11	20♂9	10♂6						

Delta T = 62.88 sec.

Greg. Calendar

DECEMBER 1637GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑
T 1	4 40 20	9♂12'14	25♂17	18♍46	14♂53	13♄59	26♄41	22♂29	21♄59	19♍18	28♃18	16♃R40	18♂8	20♂16	10♃R 4						
W 2	4 44 17	10°13'10	10♂1	19°36	16°6	14°36	26°52	22°35	22°2	19°21	28♂17	16♂35	18°5	20°23	10♂1						
T 3	4 48 13	11°14'07	24°56	20°31	17°19	15°12	27°4	22°41	22°5	19°23	28°16	16°32	18°2	20°29	9°58						
F 4	4 52 10	12°15'05	9♂54	21°30	18°32	15°48	27°15	22°47	22°8	19°25	28°15	16°D30	17°58	20°36	9°56						
S 5	4 56 6	13°16'05	24°45	22°34	19°45	16°24	27°25	22°53	22°10	19°27	28°14	16°30	17°55	20°43	9°53						
S 6	5 0 3	14°17'05	9♂24	23°41	20°58	17°0	27°36	22°59	22°13	19°29	28°13	16°31	17°52	20°49	9°51						
M 7	5 3 59	15°18'06	23°46	24°51	22°11	17°36	27°47	23°5	22°16	19°31	28°12	16°33	17°49	20°56	9°48						
T 8	5 7 56	16°19'08	7♃49	26°4	23°24	18°12	27°58	23°11	22°18	19°33	28°11	16°34	17°46	21°2	9°46						
W 9	5 11 53	17°20'11	21°32	27°19	24°37	18°48	28°8	23°17	22°21	19°35	28°10	16°R34	17°43	21°9	9°44						
T 10	5 15 49	18°21'16	4♄56	28°37	25°50	19°24	28°19	23°24	22°23	19°37	28°9	16°33	17°39	21°16	9°41						
F 11	5 19 46	19°22'21	18°3	29°56	27°3	19°59	28°29	23°30	22°26	19°39	28°8	16°31	17°36	21°22	9°39						
S 12	5 23 42	20°23'27	0♍54	1♂16	28°16	20°35	28°39	23°36	22°28	19°41	28°6	16°27	17°33	21°29	9°37						
S 13	5 27 39	21°24'34	13°31	2°38	29°28	21°11	28°50	23°42	22°31	19°43	28°5	16°23	17°30	21°36	9°35						
M14	5 31 35	22°25'42	25°56	4°2	0♁41	21°47	29°0	23°49	22°33	19°45	28°4	16°19	17°27	21°42	9°33						
T 15	5 35 32	23°26'51	8♂11	5°26	1°54	22°22	29°10	23°55	22°35	19°47	28°3	16°15	17°23	21°49	9°31						
W16	5 39 29	24°28'00	20°16	6°51	3°6	22°58	29°20	24°2	22°38	19°49	28°2	16°12	17°20	21°56	9°29						
T 17	5 43 25	25°29'09	2♂13	8°17	4°19	23°33	29°30	24°8	22°40	19°51	28°1	16°10	17°17	22°2	9°27						
F 18	5 47 22	26°30'19	14°4	9°43	5°31	24°9	29°39	24°15	22°42	19°53	28°0	16°D 9	17°14	22°9	9°25						
S 19	5 51 18	27°31'29	25°52	11°11	6°43	24°45	29°49	24°21	22°44	19°55	27°59	16°9	17°11	22°16	9°23						
S 20	5 55 15	28°32'40	7♁38	12°39	7°56	25°20	29°58	24°28	22°46	19°57	27°58	16°10	17°8	22°22	9°21						
M21	5 59 11	29°33'50	19°26	14°7	9°8	25°55	0♍8	24°35	22°48	19°59	27°58	16°12	17°4	22°29	9°19						
T 22	6 3 8	0♂35'01	1♂20	15°36	10°20	26°31	0°17	24°41	22°50	20°0	27°57	16°14	17°1	22°36	9°18						
W23	6 7 4	1°36'11	13°24	17°5	11°32	27°6	0°26	24°48	22°52	20°2	27°56	16°15	16°58	22°42	9°16						
T 24	6 11 1	2°37'22	25°43	18°35	12°44	27°41	0°35	24°55	22°54	20°4	27°55	16°15	16°55	22°49	9°14						
F 25	6 14 58	3°38'32	8♂20	20°5	13°56	28°16	0°44	25°2	22°56	20°6	27°54	16°R16	16°52	22°55	9°13						
S 26	6 18 54	4°39'42	21°21	21°36	15°8	28°52	0°53	25°9	22°58	20°8	27°53	16°15	16°49	23°2	9°11						
S 27	6 22 51	5°40'52	4♂48	23°7	16°20	29°27	1°2	25°15	22°59	20°9	27°52	16°14	16°45	23°9	9°10						
M28	6 26 47	6°42'02	18°43	24°38	17°31	0♍2	1°10	25°22	23°1	20°11	27°51	16°13	16°42	23°15	9°9						
T 29	6 30 44	7°43'12	3♂5	26°10	18°43	0°37	1°19	25°29	23°3	20°13	27°50	16°12	16°39	23°22	9°7						
W30	6 34 40	8°44'21	17°51	27°42	19°54	1°12	1°27	25°36	23°4	20°14	27°50	16°11	16°36	23°29	9°6						
T 31	6 38 37	9♂45'30	2♂55	29♂15	21♁6	1♍46	1♍36	25♂43	23♄6	20♍16	27♂49	16♂10	16♂33	23♂35	9♂5						

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