

SWISS EPHEMERIS for the year 1634

JANUARY 1634GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	6 42 25	10°34'34	27°20	29°37	10°32	24°53	24°R11	15°51	4°28	11°47	23°R57	3°R17	3°Y51	11°04	21°Y31
M 2	6 46 22	11°45'46	12°27	0°48	11°47	25°10	24°II 3	15°57	4°29	11°49	23°B56	3°Y 8	3°48	11°11	21°31
T 3	6 50 18	12°46'57	27°22	1°54	13° 1	25°27	23°56	16° 4	4°29	11°50	23°56	3° 1	3°45	11°18	21°31
W 4	6 54 15	13°48'08	11°X57	2°54	14°16	25°43	23°49	16°10	4°30	11°51	23°55	2°58	3°42	11°24	21°31
T 5	6 58 11	14°49'18	26° 9	3°48	15°30	25°59	23°42	16°17	4°30	11°53	23°54	2°56	3°38	11°31	21°32
F 6	7 2 8	15°50'28	9°Y57	4°34	16°44	26°14	23°35	16°23	4°30	11°54	23°54	2°56	3°35	11°38	21°32
S 7	7 6 4	16°51'36	23°23	5°12	17°59	26°29	23°28	16°30	4°30	11°55	23°53	2°56	3°32	11°44	21°32
S 8	7 10 1	17°52'45	6°B29	5°40	19°13	26°44	23°21	16°36	4°R30	11°56	23°52	2°55	3°29	11°51	21°33
M 9	7 13 57	18°53'52	19°18	5°59	20°28	26°58	23°14	16°43	4°30	11°57	23°52	2°51	3°26	11°58	21°33
T 10	7 17 54	19°54'59	1°II54	6°R 7	21°42	27°11	23° 8	16°49	4°30	11°58	23°51	2°44	3°23	12° 5	21°34
W11	7 21 51	20°56'06	14°19	6° 4	22°57	27°24	23° 1	16°55	4°30	12° 0	23°51	2°35	3°19	12°11	21°34
T 12	7 25 47	21°57'11	26°34	5°49	24°11	27°36	22°55	17° 2	4°30	12° 1	23°50	2°23	3°16	12°18	21°35
F 13	7 29 44	22°58'16	8°B42	5°22	25°26	27°48	22°49	17° 8	4°30	12° 2	23°50	2°10	3°13	12°25	21°35
S 14	7 33 40	23°59'20	20°43	4°44	26°40	27°59	22°43	17°14	4°29	12° 3	23°49	1°56	3°10	12°31	21°36
S 15	7 37 37	25° 0'24	2°Ω39	3°55	27°55	28°10	22°37	17°20	4°29	12° 4	23°49	1°44	3° 7	12°38	21°37
M16	7 41 33	26° 1'26	14°31	2°57	29°10	28°20	22°31	17°26	4°29	12° 5	23°48	1°33	3° 3	12°45	21°38
T 17	7 45 30	27° 2'29	26°20	1°51	0°B24	28°30	22°26	17°32	4°28	12° 5	23°48	1°24	3° 0	12°51	21°39
W18	7 49 27	28° 3'30	8°B 9	0°39	1°39	28°39	22°20	17°38	4°28	12° 6	23°47	1°19	2°57	12°58	21°40
T 19	7 53 23	29° 4'31	20° 1	29°B24	2°53	28°47	22°15	17°44	4°27	12° 7	23°47	1°16	2°54	13° 5	21°41
F 20	7 57 20	0° 5'31	2°Ω 10	28° 8	4° 8	28°55	22°10	17°50	4°26	12° 8	23°47	1°D15	2°51	13°11	21°42
S 21	8 1 16	1° 6'31	14°10	26°52	5°23	29° 2	22° 5	17°56	4°26	12° 9	23°46	1°16	2°48	13°18	21°43
S 22	8 5 13	2° 7'29	26°35	25°40	6°37	29° 8	22° 1	18° 1	4°25	12° 9	23°46	1°R16	2°44	13°25	21°44
M23	8 9 9	3° 8'28	9°II22	24°32	7°52	29°14	21°56	18° 7	4°24	12°10	23°46	1°16	2°41	13°32	21°45
T 24	8 13 6	4° 9'26	22°34	23°31	9° 7	29°19	21°52	18°13	4°23	12°11	23°45	1°15	2°38	13°38	21°47
W25	8 17 2	5°10'23	6°X16	22°38	10°21	29°24	21°48	18°18	4°23	12°11	23°45	1°11	2°35	13°45	21°48
T 26	8 20 59	6°11'19	20°27	21°52	11°36	29°28	21°44	18°24	4°22	12°12	23°45	1° 5	2°32	13°52	21°50
F 27	8 24 56	7°12'14	5°B 6	21°15	12°51	29°31	21°40	18°29	4°21	12°13	23°45	0°57	2°29	13°58	21°51
S 28	8 28 52	8°13'09	20° 8	20°47	14° 5	29°33	21°36	18°35	4°20	12°13	23°44	0°48	2°25	14° 5	21°53
S 29	8 32 49	9°14'03	5°B24	20°27	15°20	29°35	21°33	18°40	4°19	12°14	23°44	0°40	2°22	14°12	21°54
M30	8 36 45	10°14'55	20°43	20°16	16°35	29°35	21°30	18°45	4°17	12°14	23°44	0°33	2°19	14°18	21°56
T 31	8 40 42	11°15'46	5°X53	20°D12	17°B49	29°R36	21°II27	18°X50	4°16	12°15	23°B44	0°Y28	2°Y16	14°Ω25	21°Y58

Delta T = 71.52 sec. Greg. Calendar

FEBRUARY 1634GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
W 1	8 44 38	12°16'36	20°X46	20°B16	19°B 4	29°R35	21°R24	18°X56	4°R15	12°M15	23°R44	0°R26	2°Y13	14°Ω32	21°Y59
T 2	8 48 35	13°17'24	5°Y15	20°27	20°19	29°B34	21°II21	19° 1	4°14	12°15	23°B44	0°D26	2° 9	14°38	22° 1
F 3	8 52 31	14°18'10	19°17	20°45	21°33	29°31	21°19	19° 6	4°12	12°16	23°44	0°Y27	2° 6	14°45	22° 3
S 4	8 56 28	15°18'55	2°B52	21° 8	22°48	29°29	21°16	19°11	4°11	12°16	23°43	0°28	2° 3	14°52	22° 5
S 5	9 0 25	16°19'39	16° 2	21°37	24° 3	29°25	21°14	19°15	4°10	12°16	23°43	0°R29	2° 0	14°59	22° 7
M 6	9 4 21	17°20'20	28°51	22°11	25°17	29°21	21°12	19°20	4° 8	12°16	23°D43	0°28	1°57	15° 5	22° 9
T 7	9 8 18	18°21'01	11°II21	22°50	26°32	29°15	21°11	19°25	4° 7	12°17	23°43	0°25	1°54	15°12	22°11
W 8	9 12 14	19°21'39	23°38	23°33	27°47	29° 9	21° 9	19°30	4° 5	12°17	23°43	0°21	1°50	15°19	22°13
T 9	9 16 11	20°22'16	5°B44	24°19	29° 1	29° 3	21° 8	19°34	4° 3	12°17	23°43	0°14	1°47	15°25	22°15
F 10	9 20 7	21°22'51	17°43	25°10	0°B16	28°55	21° 7	19°39	4° 2	12°17	23°44	0° 7	1°44	15°32	22°18
S 11	9 24 4	22°23'24	29°37	26° 4	1°31	28°47	21° 6	19°43	4° 0	12°17	23°44	0° 0	1°41	15°39	22°20
S 12	9 28 0	23°23'56	11°Ω28	27° 1	2°45	28°38	21° 6	19°48	3°58	12°R17	23°44	29°X53	1°38	15°45	22°22
M13	9 31 57	24°24'26	23°18	28° 0	4° 0	28°28	21° 5	19°52	3°57	12°17	23°44	29°47	1°35	15°52	22°24
T 14	9 35 54	25°24'55	5°B 9	29° 3	5°15	28°17	21° 5	19°56	3°55	12°17	23°44	29°42	1°31	15°59	22°27
W15	9 39 50	26°25'22	17° 2	0°B 7	6°29	28° 6	21°D 5	20° 0	3°53	12°17	23°44	29°40	1°28	16° 5	22°29
T 16	9 43 47	27°25'47	29° 1	1°14	7°44	27°54	21° 5	20° 4	3°51	12°17	23°44	29°D39	1°25	16°12	22°32
F 17	9 47 43	28°26'11	11°B 7	2°23	8°59	27°41	21° 5	20° 8	3°49	12°17	23°45	29°39	1°22	16°19	22°34
S 18	9 51 40	29°26'33	23°23	3°35	10°13	27°27	21° 6	20°12	3°47	12°16	23°45	29°41	1°19	16°25	22°37
S 19	9 55 36	0°X26'54	5°M53	4°48	11°28	27°13	21° 7	20°16	3°45	12°16	23°45	29°43	1°15	16°32	22°40
M20	9 59 33	1°27'14	18°40	6° 2	12°43	26°57	21° 8	20°20	3°43	12°16	23°45	29°44	1°12	16°39	22°42
T 21	10 3 29	2°27'32	1°X49	7°19	13°57	26°42	21° 9	20°23	3°41	12°16	23°46	29°R45	1° 9	16°45	22°45
W22	10 7 26	3°27'48	15°21	8°37	15°12	26°25	21°10	20°27	3°39	12°15	23°46	29°44	1° 6	16°52	22°48
T 23	10 11 23	4°28'04	29°20	9°56	16°27	26° 8	21°12	20°30	3°37	12°15	23°46	29°42	1° 3	16°59	22°50
F 24	10 15 19	5°28'18	13°B43	11°17	17°41	25°50	21°14	20°34	3°35	12°15	23°47	29°40	1° 0	17° 6	22°53
S 25	10 19 16	6°28'30	28°29	12°40	18°56	25°32	21°16	20°37	3°32	12°14	23°47	29°37	0°56	17°12	22°56
S 26	10 23 12	7°28'40	13°B32	14° 3	20°11	25°13	21°18	20°40	3°30	12°14	23°48	29°33	0°53	17°19	22°59
M27	10 27 9	8°28'49	28°42	15°28	21°25	24°53	21°20	20°43	3°28	12°13	23°48	29°31	0°50	17°26	23° 2
T 28	10 31 5	9°X28'56	13°X50	16°B55	22°B40	24°B33	21°II22	20°X46	3°26	12°13	23°B49	29°X29	0°Y47	17°Ω32	23°Y 5

Delta T = 71.32 sec. Greg. Calendar

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SWISS EPHEMERIS for the year 1634

MARCH 1634GC

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W 1	10 35 2	10 X 29'01	28 X 47	18 ≈ 22	23 ≈ 54	24 R 12	21 II 25	20 Δ 49	3 R 23	12 R 12	23 B 49	29 X 29	0 Y 44	17 Ω 39	23 Y 8								
T 2	10 38 58	11°29'04	13 Y 25	19°51	25° 9	23 II 51	21°28	20°52	3 Ω 21	12 II 12	23°50	29°29	0°41	17°46	23°11								
F 3	10 42 55	12°29'04	27°39	21°21	26°24	23°30	21°31	20°55	3°19	12°11	23°50	29°30	0°37	17°52	23°14								
S 4	10 46 52	13°29'03	11 B 25	22°53	27°38	23° 8	21°34	20°58	3°16	12°10	23°51	29°31	0°34	17°59	23°17								
S 5	10 50 48	14°29'00	24°45	24°25	28°53	22°45	21°38	21° 0	3°14	12°10	23°51	29°33	0°31	18° 6	23°20								
M 6	10 54 45	15°28'54	7 II 40	25°59	0 X 7	22°23	21°42	21° 3	3°12	12° 9	23°52	29°33	0°28	18°12	23°24								
T 7	10 58 41	16°28'47	20°14	27°34	1°22	22° 0	21°45	21° 5	3° 9	12° 8	23°52	29°R33	0°25	18°19	23°27								
W 8	11 2 38	17°28'36	2 B 30	29°10	2°36	21°37	21°49	21° 7	3° 7	12° 8	23°53	29°33	0°21	18°26	23°30								
T 9	11 6 34	18°28'24	14°34	0 X 47	3°51	21°14	21°54	21°10	3° 4	12° 7	23°54	29°32	0°18	18°32	23°33								
F 10	11 10 31	19°28'10	26°29	2°25	5° 6	20°50	21°58	21°12	3° 2	12° 6	23°54	29°31	0°15	18°39	23°37								
S 11	11 14 27	20°27'53	8 Ω 20	4° 5	6°20	20°27	22° 2	21°14	2°59	12° 5	23°55	29°29	0°12	18°46	23°40								
S 12	11 18 24	21°27'34	20° 9	5°46	7°35	20° 3	22° 7	21°16	2°57	12° 4	23°56	29°28	0° 9	18°52	23°43								
M13	11 22 21	22°27'13	2 II 0	7°28	8°49	19°40	22°12	21°18	2°54	12° 3	23°56	29°27	0° 6	18°59	23°47								
T 14	11 26 17	23°26'49	13°55	9°11	10° 4	19°16	22°17	21°19	2°52	12° 3	23°57	29°26	0° 2	19° 6	23°50								
W15	11 30 14	24°26'24	25°56	10°56	11°18	18°53	22°22	21°21	2°49	12° 2	23°58	29°D26	29 X 59	19°12	23°54								
T 16	11 34 10	25°25'57	8 Ω 6	12°41	12°32	18°30	22°28	21°22	2°46	12° 1	23°59	29°26	29°56	19°19	23°57								
F 17	11 38 7	26°25'27	20°25	14°29	13°47	18° 7	22°33	21°24	2°44	12° 0	23°59	29°26	29°53	19°26	24° 0								
S 18	11 42 3	27°24'56	2 II 56	16°17	15° 1	17°44	22°39	21°25	2°41	11°59	24° 0	29°27	29°50	19°32	24° 4								
S 19	11 46 0	28°24'23	15°40	18° 7	16°16	17°21	22°45	21°26	2°39	11°58	24° 1	29°27	29°46	19°39	24° 7								
M20	11 49 56	29°23'48	28°38	19°58	17°30	16°59	22°51	21°28	2°36	11°56	24° 2	29°R27	29°43	19°46	24°11								
T 21	11 53 53	0 Y 23'11	11 X 53	21°50	18°45	16°37	22°57	21°29	2°34	11°55	24° 3	29°27	29°40	19°53	24°15								
W22	11 57 49	1°22'32	25°25	23°43	19°59	16°15	23° 3	21°30	2°31	11°54	24° 4	29°D27	29°37	19°59	24°18								
T 23	12 1 46	2°21'52	9 B 16	25°38	21°13	15°54	23°10	21°30	2°28	11°53	24° 4	29°27	29°34	20° 6	24°22								
F 24	12 5 43	3°21'10	23°26	27°34	22°28	15°33	23°16	21°31	2°26	11°52	24° 5	29°27	29°31	20°13	24°25								
S 25	12 9 39	4°20'26	7 ≈ 51	29°32	23°42	15°13	23°23	21°32	2°23	11°51	24° 6	29°27	29°27	20°19	24°29								
S 26	12 13 36	5°19'41	22°31	1 Y 30	24°57	14°53	23°30	21°32	2°21	11°50	24° 7	29°28	29°24	20°26	24°33								
M27	12 17 32	6°18'53	7 X 18	3°30	26°11	14°34	23°37	21°33	2°18	11°48	24° 8	29°28	29°21	20°33	24°36								
T 28	12 21 29	7°18'04	2° 7	5°31	27°25	14°15	23°44	21°33	2°15	11°47	24° 9	29°R29	29°18	20°39	24°40								
W29	12 25 25	8°17'12	6 Y 51	7°33	28°40	13°57	23°52	21°33	2°13	11°46	24°10	29°29	29°15	20°46	24°44								
T 30	12 29 22	9°16'19	21°21	9°36	29°54	13°40	23°59	21°34	2°10	11°44	24°11	29°28	29°12	20°53	24°48								
F 31	12 33 18	10 Y 15'23	5 B 34	11 Y 40	1 Y 8	13 II 23	24 II 7	21°R34	2°Ω 8	11 II 43	24 B 12	29 X 27	29 X 8	20 Ω 59	24 Y 51								

Delta T = 71.14 sec. Greg. Calendar

APRIL 1634GC

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S 1	12 37 15	11 Y 14'25	19 B 24	13 Y 44	2 Y 23	13°R 7	24 II 14	21°R34	2°R 5	11°R42	24 B 13	29°R26	29 X 5	21 Ω 6	24 Y 55								
S 2	12 41 12	12°13'26	2 II 49	15°49	3°37	12 II 51	24°22	21° X 33	2°Ω 3	11 II 40	24°14	29 X 24	29° 2	21°13	24°59								
M 3	12 45 8	13°12'23	15°50	17°54	4°51	12°37	24°30	21°33	2° 0	11°39	24°15	29°22	28°59	21°19	25° 3								
T 4	12 49 5	14°11'19	28°29	19°59	6° 6	12°23	24°39	21°33	1°58	11°38	24°16	29°21	28°56	21°26	25° 6								
W 5	12 53 1	15°10'12	10 B 49	22° 4	7°20	12°10	24°47	21°32	1°55	11°36	24°17	29°D21	28°52	21°33	25°10								
T 6	12 56 58	16° 9'03	22°54	24° 9	8°34	11°57	24°55	21°32	1°53	11°35	24°18	29°21	28°49	21°39	25°14								
F 7	13 0 54	17° 7'52	4 Ω 49	26°13	9°48	11°46	25° 4	21°31	1°50	11°33	24°20	29°21	28°46	21°46	25°18								
S 8	13 4 51	18° 6'38	16°39	28°15	11° 3	11°35	25°13	21°31	1°48	11°32	24°21	29°23	28°43	21°53	25°22								
S 9	13 8 47	19° 5'23	28°29	0 B 16	12°17	11°25	25°21	21°30	1°45	11°30	24°22	29°24	28°40	21°59	25°26								
M10	13 12 44	20° 4'04	10 II 22	2°15	13°31	11°16	25°30	21°29	1°43	11°29	24°23	29°26	28°37	22° 6	25°29								
T 11	13 16 41	21° 2'44	22°22	4°12	14°45	11° 7	25°39	21°28	1°40	11°28	24°24	29°27	28°33	22°13	25°33								
W12	13 20 37	22° 1'22	4 Ω 33	6° 7	15°59	10°59	25°48	21°27	1°38	11°26	24°25	29°R27	28°30	22°19	25°37								
T 13	13 24 34	22°59'57	16°55	7°58	17°13	10°52	25°58	21°25	1°36	11°24	24°26	29°26	28°27	22°26	25°41								
F 14	13 28 30	23°58'31	29°32	9°47	18°28	10°46	26° 7	21°24	1°33	11°23	24°28	29°24	28°24	22°33	25°45								
S 15	13 32 27	24°57'03	12 II 23	11°32	19°42	10°41	26°17	21°23	1°31	11°21	24°29	29°20	28°21	22°39	25°49								
S 16	13 36 23	25°55'33	25°29	13°13	20°56	10°36	26°26	21°21	1°29	11°20	24°30	29°16	28°18	22°46	25°52								
M17	13 40 20	26°54'01	8 X 48	14°51	22°10	10°33	26°36	21°20	1°26	11°18	24°31	29°12	28°14	22°53	25°56								
T 18	13 44 16	27°52'28	22°20	16°25	23°24	10°30	26°46	21°18	1°24	11°17	24°32	29° 8	28°11	22°59	26° 0								
W19	13 48 13	28°50'53	6 B 4	17°54	24°38	10°27	26°56	21°16	1°22	11°15	24°34	29° 5	28° 8	23° 6	26° 4								
T 20	13 52 10	29°49'16	19°59	19°19	25°52	10°26	27° 6	21°14	1°20	11°14	24°35	29° 4	28° 5	23°13	26° 8								
F 21	13 56 6	0 B 47'38	4 ≈ 3	20°40	27° 6	10°D25	27°16	21°12	1°17	11°12	24°36	29°D 3	28° 2	23°19	26°12								
S 22	14 0 3	1°45'58	18°15	21°56	28°20	10°25	27°26	21°10	1°15	11°10	24°37	29° 4	27°58	23°26	26°16								
S 23	14 3 59	2°44'17	2 X 34	23° 7	29°34	10°26	27°36	21° 8	1°13	11° 9	24°39	29° 5	27°55	23°33	26°19								
M24	14 7 56	3°42'34	16°56	24°14	0 B 48	10°27	27°46	21° 6	1°11	11° 7	24°40	29° 7	27°52	23°39	26°23								
T 25	14 11 52	4°40'49	1 Y 18	25°15	2° 2	10°30	27°57	21° 4	1° 9	11° 6	24°41	29°R 7	27°49	23°46	26°27								
W26	14 15 49	5°39'03	15°37	26°12	3°16	10°33	28° 8	21° 1	1° 7	11° 4	24°43	29° 6	27°46	23°53	26°31								
T 27	14 19 45	6°37'16	29°47	27° 4	4°30	10°36	28°18	20°59	1° 5	11° 2	24°44	29° 3	27°43	23°59	26°35								
F 28	14 23 42	7°35'26	13 B 45	27°51	5°44	10°41	28°29	20°56	1° 3	11° 1	24°45	28°59	27°39	24° 6	26°38								
S 29	14 27 39	8°33'35	27°25	28°32	6°58	10°46	28°40	20°54	1° 1	10°59	24°46	28°53	27°36	24°13	26°42								
S 30	14 31 35	9 B 31'42	10 II 46	29 B 9	8 B 12	10 II 52	28 II 51	20 X 51	0°Ω59	10 II 57	24 B 48	28 X 46	27 X 33	24 Ω 19	26 Y 46								

Delta T = 70.95 sec. Greg. Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [5.1.2003]

SWISS EPHEMERIS for the year 1634

MAY 1634GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	14 35 32	10♂29'48	23♏45	29♄40	9♃26	10♍58	29♏2	20°R48	0°R58	10°R56	24♄49	28°R39	27♋30	24♏26	26°V50		
T 2	14 39 28	11°27'51	6♄25	0♏6	10°40	11°5	29°13	20♄46	0♄56	10♌54	24°50	28♋33	27°27	24°33	26°54		
W 3	14 43 25	12°25'53	18°46	0°27	11°54	11°13	29°24	20°43	0°54	10°53	24°52	28°29	27°24	24°39	26°57		
T 4	14 47 21	13°23'53	0♏52	0°42	13°8	11°21	29°35	20°40	0°52	10°51	24°53	28°26	27°20	24°46	27°1		
F 5	14 51 18	14°21'51	12°48	0°53	14°22	11°30	29°47	20°37	0°51	10°49	24°54	28°D25	27°17	24°53	27°5		
S 6	14 55 14	15°19'47	24°39	0°58	15°36	11°40	29°58	20°33	0°49	10°48	24°56	28°25	27°14	24°59	27°9		
S 7	14 59 11	16°17'41	6♍29	0°R58	16°50	11°50	0♄10	20°30	0°48	10°46	24°57	28°27	27°11	25°6	27°12		
M 8	15 3 8	17°15'33	18°23	0°53	18°4	12°1	0°21	20°27	0°46	10°44	24°58	28°28	27°8	25°13	27°16		
T 9	15 7 4	18°13'24	0♄28	0°44	19°18	12°12	0°33	20°24	0°45	10°43	25°0	28°R28	27°4	25°19	27°20		
W10	15 11 1	19°11'13	12°46	0°31	20°31	12°24	0°44	20°20	0°43	10°41	25°1	28°27	27°1	25°26	27°23		
T 11	15 14 57	20°9'00	25°20	0°13	21°45	12°37	0°56	20°17	0°42	10°40	25°2	28°24	26°58	25°33	27°27		
F 12	15 18 54	21°6'46	8♌13	29♄51	22°59	12°50	1°8	20°13	0°40	10°38	25°4	28°19	26°55	25°39	27°30		
S 13	15 22 50	22°4'30	21°25	29°26	24°13	13°3	1°20	20°10	0°39	10°36	25°5	28°11	26°52	25°46	27°34		
S 14	15 26 47	23°2'13	4♄55	28°58	25°27	13°18	1°32	20°6	0°38	10°35	25°7	28°3	26°49	25°53	27°38		
M15	15 30 43	23°59'55	18°41	28°28	26°41	13°32	1°44	20°2	0°37	10°33	25°8	27°54	26°45	25°59	27°41		
T 16	15 34 40	24°57'36	2♄38	27°56	27°54	13°47	1°56	19°59	0°35	10°32	25°9	27°45	26°42	26°6	27°45		
W17	15 38 37	25°55'15	16°43	27°22	29°8	14°3	2°8	19°55	0°34	10°30	25°11	27°38	26°39	26°13	27°48		
T 18	15 42 33	26°52'53	0♄53	26°48	0♏22	14°19	2°20	19°51	0°33	10°28	25°12	27°33	26°36	26°19	27°52		
F 19	15 46 30	27°50'31	15°3	26°14	1°36	14°36	2°32	19°47	0°32	10°27	25°13	27°30	26°33	26°26	27°55		
S 20	15 50 26	28°48'07	29°13	25°40	2°50	14°53	2°45	19°43	0°31	10°25	25°15	27°D30	26°29	26°33	27°59		
S 21	15 54 23	29°45'43	13♋21	25°7	4°3	15°10	2°57	19°39	0°30	10°24	25°16	27°30	26°26	26°39	28°2		
M22	15 58 19	0♏43'17	27°24	24°36	5°17	15°28	3°10	19°35	0°29	10°22	25°17	27°R31	26°23	26°46	28°6		
T 23	16 2 16	1°40'51	11°V23	24°7	6°31	15°47	3°22	19°31	0°28	10°21	25°19	27°30	26°20	26°53	28°9		
W24	16 6 12	2°38'23	25°16	23°41	7°45	16°5	3°35	19°27	0°28	10°19	25°20	27°27	26°17	26°59	28°12		
T 25	16 10 9	3°35'55	9♄1	23°17	8°58	16°25	3°47	19°23	0°27	10°18	25°21	27°22	26°14	27°6	28°16		
F 26	16 14 6	4°33'26	22°35	22°57	10°12	16°44	4°0	19°18	0°26	10°16	25°23	27°13	26°10	27°13	28°19		
S 27	16 18 2	5°30'56	5♏57	22°41	11°26	17°4	4°12	19°14	0°26	10°15	25°24	27°3	26°7	27°19	28°22		
S 28	16 21 59	6°28'25	19°3	22°28	12°39	17°25	4°25	19°10	0°25	10°14	25°25	26°52	26°4	27°26	28°25		
M29	16 25 55	7°25'53	1♄53	22°20	13°53	17°46	4°38	19°6	0°24	10°12	25°27	26°40	26°1	27°33	28°29		
T 30	16 29 52	8°23'20	14°26	22°D16	15°7	18°7	4°51	19°1	0°24	10°11	25°28	26°29	25°58	27°39	28°32		
W31	16 33 48	9♏20'46	26♄43	22♄17	16♏21	18♍29	5♄3	18♄57	0♄24	10♌9	25♄29	26♋21	25♋55	27♏46	28♄35		

Delta T = 70.78 sec.

Greg. Calendar

JUNE 1634GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	16 37 45	10♏18'11	8♏48	22♄21	17♏34	18♍51	5♄16	18°R53	0°R23	10°R8	25♄31	26°R14	25♋51	27♏53	28°V38		
F 2	16 41 42	11°15'34	20°43	22°31	18°48	19°13	5°29	18♄48	0♄23	10♌7	25°32	26♋10	25°48	27°59	28°41		
S 3	16 45 38	12°12'57	2♍32	22°45	20°2	19°36	5°42	18°44	0°23	10°5	25°33	26°8	25°45	28°6	28°44		
S 4	16 49 35	13°10'18	14°22	23°3	21°15	19°59	5°55	18°40	0°22	10°4	25°35	26°D8	25°42	28°13	28°47		
M 5	16 53 31	14°7'38	26°16	23°26	22°29	20°23	6°8	18°35	0°22	10°3	25°36	26°R8	25°39	28°19	28°50		
T 6	16 57 28	15°4'58	8♄22	23°53	23°43	20°46	6°21	18°31	0°22	10°1	25°37	26°8	25°35	28°26	28°53		
W 7	17 1 24	16°2'16	20°43	24°25	24°56	21°10	6°34	18°26	0°22	10°0	25°39	26°6	25°32	28°33	28°56		
T 8	17 5 21	16°59'33	3♌24	25°0	26°10	21°35	6°47	18°22	0°D22	9°59	25°40	26°1	25°29	28°39	28°59		
F 9	17 9 17	17°56'50	16°28	25°40	27°24	22°0	7°1	18°18	0°22	9°58	25°41	25°54	25°26	28°46	29°2		
S 10	17 13 14	18°54'06	29°56	26°24	28°37	22°25	7°14	18°13	0°22	9°57	25°42	25°45	25°23	28°53	29°4		
S 11	17 17 11	19°51'21	13♄47	27°12	29°51	22°50	7°27	18°9	0°22	9°55	25°44	25°34	25°20	28°59	29°7		
M12	17 21 7	20°48'36	27°56	28°4	1♄4	23°16	7°40	18°4	0°22	9°54	25°45	25°23	25°16	29°6	29°10		
T 13	17 25 4	21°45'50	12♄20	29°0	2°18	23°42	7°53	18°0	0°23	9°53	25°46	25°12	25°13	29°13	29°13		
W14	17 29 0	22°43'04	26°51	0♏0	3°32	24°8	8°7	17°56	0°23	9°52	25°47	25°2	25°10	29°19	29°15		
T 15	17 32 57	23°40'17	11♄23	1°4	4°45	24°34	8°20	17°51	0°23	9°51	25°49	24°56	25°7	29°26	29°18		
F 16	17 36 53	24°37'30	25°50	2°11	5°59	25°1	8°33	17°47	0°24	9°50	25°50	24°52	25°4	29°33	29°20		
S 17	17 40 50	25°34'43	10♋9	3°21	7°12	25°28	8°47	17°42	0°24	9°49	25°51	24°50	25°1	29°39	29°23		
S 18	17 44 46	26°31'56	24°17	4°36	8°26	25°55	9°0	17°38	0°25	9°48	25°52	24°50	24°57	29°46	29°25		
M19	17 48 43	27°29'09	8°V13	5°54	9°40	26°23	9°13	17°34	0°25	9°47	25°53	24°50	24°54	29°53	29°28		
T 20	17 52 40	28°26'22	21°58	7°15	10°53	26°51	9°27	17°29	0°26	9°46	25°55	24°48	24°51	29°59	29°30		
W21	17 56 36	29°23'35	5♄32	8°40	12°7	27°19	9°40	17°25	0°27	9°45	25°56	24°45	24°48	0♍6	29°32		
T 22	18 0 33	0♄20'48	18°54	10°8	13°20	27°47	9°53	17°21	0°27	9°44	25°57	24°39	24°45	0°13	29°35		
F 23	18 4 29	1°18'01	2♏6	11°40	14°34	28°16	10°7	17°17	0°28	9°43	25°58	24°30	24°41	0°19	29°37		
S 24	18 8 26	2°15'14	15°5	13°15	15°47	28°45	10°20	17°12	0°29	9°42	25°59	24°19	24°38	0°26	29°39		
S 25	18 12 22	3°12'27	27°53	14°53	17°1	29°14	10°34	17°8	0°30	9°42	26°0	24°6	24°35	0°33	29°41		
M26	18 16 19	4°9'40	10♄27	16°35	18°14	29°43	10°47	17°4	0°31	9°41	26°2	23°53	24°32	0°39	29°44		
T 27	18 20 15	5°6'52	22°49	18°20	19°28	0♄13	11°1	17°0	0°32	9°40	26°3	23°41	24°29	0°46	29°46		
W28	18 24 12	6°4'05	4♏58	20°7	20°42	0°42	11°14	16°56	0°33	9°39	26°4	23°31	24°26	0°53	29°48		
T 29	18 28 9	7°1'17	16°57	21°58	21°55	1°12	11°28	16°52	0°34	9°39	26°5	23°24	24°22	0°59	29°50		
F 30	18 32 5	7♄58'29	28♏49	23♏52	23♄9	1♄43	11♄41	16♄48	0♄35	9♌38	26♄6	23♋19	24♋19	1♍6	29°V52		

Delta T = 70.60 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1634

JULY 1634GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	18 36 2	8 ^h 55'41	10 ^m 36	25 ^{II} 48	24 [☾] 22	2 [♂] 13	11 [☽] 55	16 [°] R44	0 [♂] 36	9 [°] R37	26 [♂] 7	23 [°] R16	24 [♂] 16	1 ^m 13	29 [°] V53
S 2	18 39 58	9 [°] 52'53	22 [°] 25	27 [°] 46	25 [°] 36	2 [°] 44	12 [°] 8	16 [♂] 40	0 [°] 38	9 ^m 37	26 [°] 8	23 [°] D16	24 [°] 13	1 [°] 19	29 [°] 55
M 3	18 43 55	10 [°] 50'05	4 [♂] 18	29 [°] 47	26 [°] 49	3 [°] 15	12 [°] 22	16 [°] 36	0 [°] 39	9 [°] 36	26 [°] 9	23 [♂] 16	24 [°] 10	1 [°] 26	29 [°] 57
T 4	18 47 51	11 [°] 47'16	16 [°] 23	1 [☽] 50	28 [°] 3	3 [°] 46	12 [°] 35	16 [°] 32	0 [°] 40	9 [°] 35	26 [°] 10	23 [°] R16	24 [°] 7	1 [°] 32	29 [°] 59
W 5	18 51 48	12 [°] 44'28	28 [°] 44	3 [°] 55	29 [°] 16	4 [°] 17	12 [°] 49	16 [°] 29	0 [°] 42	9 [°] 35	26 [°] 11	23 [°] 15	24 [°] 3	1 [°] 39	0 [♂] 0
T 6	18 55 44	13 [°] 41'39	11 ^m 26	6 [°] 1	0 [♂] 30	4 [°] 48	13 [°] 2	16 [°] 25	0 [°] 43	9 [°] 34	26 [°] 12	23 [°] 12	24 [°] 0	1 [°] 46	0 [°] 2
F 7	18 59 41	14 [°] 38'51	24 [°] 33	8 [°] 8	1 [°] 43	5 [°] 20	13 [°] 16	16 [°] 21	0 [°] 45	9 [°] 34	26 [°] 13	23 [°] 6	23 [°] 57	1 [°] 52	0 [°] 4
S 8	19 3 38	15 [°] 36'02	8 [♂] 7	10 [°] 16	2 [°] 56	5 [°] 52	13 [°] 29	16 [°] 18	0 [°] 46	9 [°] 34	26 [°] 14	22 [°] 59	23 [°] 54	1 [°] 59	0 [°] 5
S 9	19 7 34	16 [°] 33'14	22 [°] 8	12 [°] 25	4 [°] 10	6 [°] 24	13 [°] 43	16 [°] 14	0 [°] 48	9 [°] 33	26 [°] 15	22 [°] 50	23 [°] 51	2 [°] 6	0 [°] 7
M10	19 11 31	17 [°] 30'26	6 [♂] 33	14 [°] 34	5 [°] 23	6 [°] 56	13 [°] 56	16 [°] 11	0 [°] 49	9 [°] 33	26 [°] 16	22 [°] 40	23 [°] 47	2 [°] 12	0 [°] 8
T 11	19 15 27	18 [°] 27'38	21 [°] 17	16 [°] 43	6 [°] 37	7 [°] 29	14 [°] 10	16 [°] 7	0 [°] 51	9 [°] 32	26 [°] 17	22 [°] 30	23 [°] 44	2 [°] 19	0 [°] 10
W12	19 19 24	19 [°] 24'51	6 [♂] 10	18 [°] 51	7 [°] 50	8 [°] 1	14 [°] 23	16 [°] 4	0 [°] 53	9 [°] 32	26 [°] 18	22 [°] 22	23 [°] 41	2 [°] 26	0 [°] 11
T 13	19 23 20	20 [°] 22'04	21 [°] 5	20 [°] 59	9 [°] 4	8 [°] 34	14 [°] 37	16 [°] 1	0 [°] 55	9 [°] 32	26 [°] 18	22 [°] 17	23 [°] 38	2 [°] 32	0 [°] 12
F 14	19 27 17	21 [°] 19'18	5 [♂] 53	23 [°] 6	10 [°] 17	9 [°] 7	14 [°] 50	15 [°] 58	0 [°] 56	9 [°] 31	26 [°] 19	22 [°] 14	23 [°] 35	2 [°] 39	0 [°] 13
S 15	19 31 14	22 [°] 16'32	20 [°] 29	25 [°] 13	11 [°] 30	9 [°] 40	15 [°] 3	15 [°] 55	0 [°] 58	9 [°] 31	26 [°] 20	22 [°] D13	23 [°] 32	2 [°] 46	0 [°] 14
S 16	19 35 10	23 [°] 13'47	4 [♂] 48	27 [°] 18	12 [°] 44	10 [°] 13	15 [°] 17	15 [°] 51	1 [°] 0	9 [°] 31	26 [°] 21	22 [°] 13	23 [°] 28	2 [°] 52	0 [°] 16
M17	19 39 7	24 [°] 11'03	18 [°] 48	29 [°] 22	13 [°] 57	10 [°] 47	15 [°] 30	15 [°] 48	1 [°] 2	9 [°] 31	26 [°] 22	22 [°] R14	23 [°] 25	2 [°] 59	0 [°] 17
T 18	19 43 3	25 [°] 8'20	2 [♂] 30	1 [♂] 25	15 [°] 10	11 [°] 20	15 [°] 44	15 [°] 46	1 [°] 4	9 [°] 31	26 [°] 23	22 [°] 14	23 [°] 22	3 [°] 6	0 [°] 18
W19	19 47 0	26 [°] 5'38	15 [°] 54	3 [°] 26	16 [°] 24	11 [°] 54	15 [°] 57	15 [°] 43	1 [°] 6	9 [°] 31	26 [°] 23	22 [°] 12	23 [°] 19	3 [°] 12	0 [°] 19
T 20	19 50 56	27 [°] 2'57	29 [°] 3	5 [°] 26	17 [°] 37	12 [°] 28	16 [°] 10	15 [°] 40	1 [°] 8	9 [°] 31	26 [°] 24	22 [°] 8	23 [°] 16	3 [°] 19	0 [°] 19
F 21	19 54 53	28 [°] 0'17	11 ^{II} 57	7 [°] 24	18 [°] 50	13 [°] 2	16 [°] 24	15 [°] 37	1 [°] 10	9 [°] 31	26 [°] 25	22 [°] 2	23 [°] 13	3 [°] 26	0 [°] 20
S 22	19 58 49	28 [°] 57'38	24 [°] 38	9 [°] 21	20 [°] 4	13 [°] 37	16 [°] 37	15 [°] 35	1 [°] 13	9 [°] D31	26 [°] 26	21 [°] 53	23 [°] 9	3 [°] 32	0 [°] 21
S 23	20 2 46	29 [°] 54'59	7 [♂] 7	11 [°] 16	21 [°] 17	14 [°] 11	16 [°] 50	15 [°] 32	1 [°] 15	9 [°] 31	26 [°] 26	21 [°] 44	23 [°] 6	3 [°] 39	0 [°] 22
M24	20 6 43	0 [♂] 52'22	19 [°] 26	13 [°] 9	22 [°] 30	14 [°] 46	17 [°] 4	15 [°] 30	1 [°] 17	9 [°] 31	26 [°] 27	21 [°] 35	23 [°] 3	3 [°] 46	0 [°] 23
T 25	20 10 39	1 [°] 49'45	1 [♂] 35	15 [°] 1	23 [°] 44	15 [°] 21	17 [°] 17	15 [°] 27	1 [°] 19	9 [°] 31	26 [°] 28	21 [°] 26	23 [°] 0	3 [°] 52	0 [°] 23
W26	20 14 36	2 [°] 47'09	13 [°] 35	16 [°] 51	24 [°] 57	15 [°] 55	17 [°] 30	15 [°] 25	1 [°] 22	9 [°] 31	26 [°] 28	21 [°] 19	22 [°] 57	3 [°] 59	0 [°] 24
T 27	20 18 32	3 [°] 44'34	25 [°] 28	18 [°] 39	26 [°] 10	16 [°] 31	17 [°] 43	15 [°] 23	1 [°] 24	9 [°] 31	26 [°] 29	21 [°] 14	22 [°] 53	4 [°] 6	0 [°] 24
F 28	20 22 29	4 [°] 42'00	7 ^m 16	20 [°] 26	27 [°] 23	17 [°] 6	17 [°] 57	15 [°] 21	1 [°] 27	9 [°] 31	26 [°] 29	21 [°] 10	22 [°] 50	4 [°] 12	0 [°] 25
S 29	20 26 25	5 [°] 39'27	19 [°] 2	22 [°] 11	28 [°] 37	17 [°] 41	18 [°] 10	15 [°] 19	1 [°] 29	9 [°] 31	26 [°] 30	21 [°] D 9	22 [°] 47	4 [°] 19	0 [°] 25
S 30	20 30 22	6 [°] 36'54	0 [♂] 50	23 [°] 54	29 [°] 50	18 [°] 17	18 [°] 23	15 [°] 17	1 [°] 32	9 [°] 32	26 [°] 31	21 [°] 10	22 [°] 44	4 [°] 26	0 [°] 25
M31	20 34 18	7 [♂] 34'22	12 [♂] 43	25 [♂] 36	1 ^m 3	18 [♂] 52	18 [♂] 36	15 [♂] 15	1 [♂] 34	9 ^m 32	26 [♂] 31	21 [♂] 11	22 [♂] 41	4 ^m 32	0 [♂] 26

Delta T = 70.44 sec.

Greg. Calendar

AUGUST 1634GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	20 38 15	8 [♂] 31'51	24 [♂] 47	27 [♂] 16	2 ^m 16	19 [♂] 28	18 [♂] 49	15 [°] R13	1 [♂] 37	9 ^m 32	26 [♂] 32	21 [♂] 12	22 [♂] 38	4 ^m 39	0 [♂] 26
W 2	20 42 12	9 [°] 29'20	7 ^m 7	28 [°] 55	3 [°] 30	20 [°] 4	19 [°] 2	15 [♂] 11	1 [°] 39	9 [°] 33	26 [°] 32	21 [°] R13	22 [°] 34	4 [°] 45	0 [°] 26
T 3	20 46 8	10 [°] 26'51	19 [°] 46	0 ^m 32	4 [°] 43	20 [°] 40	19 [°] 15	15 [°] 10	1 [°] 42	9 [°] 33	26 [°] 33	21 [°] 13	22 [°] 31	4 [°] 52	0 [°] 26
F 4	20 50 5	11 [°] 24'22	2 [♂] 50	2 [°] 8	5 [°] 56	21 [°] 17	19 [°] 28	15 [°] 8	1 [°] 45	9 [°] 33	26 [°] 33	21 [°] 11	22 [°] 28	4 [°] 59	0 [°] R26
S 5	20 54 1	12 [°] 21'54	16 [°] 22	3 [°] 41	7 [°] 9	21 [°] 53	19 [°] 41	15 [°] 7	1 [°] 47	9 [°] 34	26 [°] 34	21 [°] 7	22 [°] 25	5 [°] 5	0 [°] 26
S 6	20 57 58	13 [°] 19'28	0 [♂] 22	5 [°] 14	8 [°] 22	22 [°] 30	19 [°] 54	15 [°] 5	1 [°] 50	9 [°] 34	26 [°] 34	21 [°] 2	22 [°] 22	5 [°] 12	0 [°] 26
M 7	21 1 54	14 [°] 17'02	14 [°] 49	6 [°] 44	9 [°] 35	23 [°] 6	20 [°] 7	15 [°] 4	1 [°] 53	9 [°] 35	26 [°] 35	20 [°] 57	22 [°] 19	5 [°] 19	0 [°] 26
T 8	21 5 51	15 [°] 14'37	29 [°] 39	8 [°] 13	10 [°] 48	23 [°] 43	20 [°] 20	15 [°] 3	1 [°] 56	9 [°] 35	26 [°] 35	20 [°] 52	22 [°] 15	5 [°] 25	0 [°] 26
W 9	21 9 47	16 [°] 12'13	14 [♂] 44	9 [°] 41	12 [°] 1	24 [°] 20	20 [°] 32	15 [°] 2	1 [°] 59	9 [°] 36	26 [°] 35	20 [°] 48	22 [°] 12	5 [°] 32	0 [°] 25
T 10	21 13 44	17 [°] 9'51	29 [°] 54	11 [°] 6	13 [°] 14	24 [°] 57	20 [°] 45	15 [°] 1	2 [°] 2	9 [°] 37	26 [°] 36	20 [°] 45	22 [°] 9	5 [°] 39	0 [°] 25
F 11	21 17 41	18 [°] 7'29	15 [♂] 9	12 [°] 30	14 [°] 27	25 [°] 34	20 [°] 58	15 [°] 0	2 [°] 5	9 [°] 37	26 [°] 36	20 [°] D43	22 [°] 6	5 [°] 45	0 [°] 25
S 12	21 21 37	19 [°] 5'10	29 [°] 54	13 [°] 53	15 [°] 40	26 [°] 12	21 [°] 10	14 [°] 59	2 [°] 8	9 [°] 38	26 [°] 36	20 [°] 43	22 [°] 3	5 [°] 52	0 [°] 24
S 13	21 25 34	20 [°] 2'51	14 [♂] 29	15 [°] 14	16 [°] 53	26 [°] 49	21 [°] 23	14 [°] 59	2 [°] 11	9 [°] 39	26 [°] 37	20 [°] 45	21 [°] 59	5 [°] 59	0 [°] 24
M14	21 29 30	21 [°] 0'35	28 [°] 41	16 [°] 33	18 [°] 6	27 [°] 27	21 [°] 36	14 [°] 58	2 [°] 14	9 [°] 39	26 [°] 37	20 [°] 46	21 [°] 56	6 [°] 5	0 [°] 23
T 15	21 33 27	21 [°] 58'20	12 [♂] 29	17 [°] 50	19 [°] 19	28 [°] 4	21 [°] 48	14 [°] 58	2 [°] 17	9 [°] 40	26 [°] 37	20 [°] 47	21 [°] 53	6 [°] 12	0 [°] 23
W16	21 37 23	22 [°] 56'07	25 [°] 54	19 [°] 5	20 [°] 32	28 [°] 42	22 [°] 1	14 [°] 57	2 [°] 20	9 [°] 41	26 [°] 37	20 [°] R47	21 [°] 50	6 [°] 19	0 [°] 22
T 17	21 41 20	23 [°] 53'55	8 ^{II} 58	20 [°] 18	21 [°] 45	29 [°] 20	22 [°] 13	14 [°] 57	2 [°] 23	9 [°] 42</					

SWISS EPHEMERIS for the year 1634

SEPTEMBER 1634GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	22 40 28	8♐24'22	11♌44	3♊33	9♎56	9♍3	25♏12	15♌4	3♏13	9♍58	26°R38	20°R30	20♌59	8♐5	0°R 4	
S 2	22 44 25	9°22'36	25° 8	3°57	11° 8	9°43	25°23	15° 5	3°17	9°59	26♌38	20♌30	20°56	8°12	0♌ 3	
S 3	22 48 21	10°20'51	8♌59	4°17	12°21	10°23	25°34	15° 7	3°20	10° 0	26°38	20°29	20°53	8°18	0° 1	
M 4	22 52 18	11°19'09	23°17	4°31	13°33	11° 3	25°46	15° 8	3°24	10° 2	26°38	20°28	20°50	8°25	0° 0	
T 5	22 56 14	12°17'27	7♌58	4°40	14°46	11°43	25°57	15°10	3°27	10° 3	26°38	20°27	20°46	8°32	29°Y58	
W 6	23 0 11	13°15'48	22°58	4°R43	15°58	12°24	26° 8	15°11	3°31	10° 4	26°38	20°26	20°43	8°38	29°56	
T 7	23 4 8	14°14'10	8♌9	4°39	17°11	13° 4	26°19	15°13	3°35	10° 6	26°37	20°26	20°40	8°45	29°54	
F 8	23 8 4	15°12'33	23°21	4°30	18°23	13°44	26°30	15°15	3°38	10° 7	26°37	20°D26	20°37	8°52	29°52	
S 9	23 12 1	16°10'59	8♌26	4°13	19°35	14°25	26°41	15°17	3°42	10° 9	26°37	20°26	20°34	8°58	29°51	
S 10	23 15 57	17° 9'27	23°14	3°50	20°48	15° 5	26°51	15°19	3°46	10°10	26°36	20°26	20°31	9° 5	29°49	
M11	23 19 54	18° 7'57	7♌39	3°20	22° 0	15°46	27° 2	15°21	3°49	10°12	26°36	20°26	20°27	9°11	29°47	
T 12	23 23 50	19° 6'29	21°38	2°43	23°12	16°27	27°13	15°23	3°53	10°13	26°36	20°27	20°24	9°18	29°45	
W13	23 27 47	20° 5'03	5♐11	1°59	24°24	17° 8	27°23	15°26	3°57	10°15	26°36	20°R27	20°21	9°25	29°43	
T 14	23 31 43	21° 3'40	18°18	1°10	25°36	17°49	27°33	15°28	4° 0	10°16	26°35	20°D27	20°18	9°31	29°40	
F 15	23 35 40	22° 2'19	1♏ 2	0°15	26°48	18°30	27°44	15°30	4° 4	10°18	26°35	20°27	20°15	9°38	29°38	
S 16	23 39 37	23° 1'00	13°27	29♐15	28° 1	19°11	27°54	15°33	4° 8	10°20	26°34	20°27	20°11	9°45	29°36	
S 17	23 43 33	23°59'43	25°36	28°12	29°13	19°53	28° 4	15°36	4°12	10°21	26°34	20°27	20° 8	9°51	29°34	
M18	23 47 30	24°58'28	7♌35	27° 7	0♍25	20°34	28°14	15°38	4°15	10°23	26°33	20°28	20° 5	9°58	29°32	
T 19	23 51 26	25°57'16	19°27	26° 2	1°37	21°16	28°24	15°41	4°19	10°25	26°33	20°28	20° 2	10° 5	29°29	
W20	23 55 23	26°56'06	1♐15	24°57	2°49	21°57	28°34	15°44	4°23	10°27	26°33	20°29	19°59	10°11	29°27	
T 21	23 59 19	27°54'58	13° 2	23°55	4° 1	22°39	28°43	15°47	4°27	10°28	26°32	20°29	19°56	10°18	29°25	
F 22	0 3 16	28°53'51	24°51	22°57	5°12	23°21	28°53	15°50	4°30	10°30	26°32	20°R29	19°52	10°25	29°22	
S 23	0 7 12	29°52'47	6♌44	22° 5	6°24	24° 3	29° 2	15°53	4°34	10°32	26°31	20°29	19°49	10°31	29°20	
S 24	0 11 9	0♌51'45	18°43	21°20	7°36	24°45	29°12	15°57	4°38	10°34	26°30	20°28	19°46	10°38	29°17	
M25	0 15 5	1°50'45	0♍50	20°44	8°48	25°27	29°21	16° 0	4°42	10°35	26°30	20°26	19°43	10°45	29°15	
T 26	0 19 2	2°49'47	13° 8	20°17	10° 0	26° 9	29°30	16° 4	4°45	10°37	26°29	20°25	19°40	10°51	29°12	
W27	0 22 59	3°48'51	25°37	20° 1	11°11	26°51	29°39	16° 7	4°49	10°39	26°29	20°23	19°36	10°58	29°10	
T 28	0 26 55	4°47'57	8♌22	19°D54	12°23	27°34	29°48	16°11	4°53	10°41	26°28	20°21	19°33	11° 4	29° 7	
F 29	0 30 52	5°47'04	21°23	19°58	13°35	28°16	29°56	16°14	4°57	10°43	26°27	20°20	19°30	11°11	29° 4	
S 30	0 34 48	6♌46'13	4♌43	20♐13	14♍46	28♍59	0♎ 5	16♌18	5♌ 1	10♍45	26♌27	20°D19	19♌27	11♐18	29°Y 2	

Delta T = 70.12 sec.

Greg. Calendar

OCTOBER 1634GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	0 38 45	7♎45'24	18♌24	20♐38	15♍58	29♍41	0♎14	16♌22	5♌ 4	10♍47	26°R26	20♌20	19♌24	11♐24	28°R59	
M 2	0 42 41	8°44'37	2♌27	21°12	17° 9	0♌24	0°22	16°26	5° 8	10°49	26♌25	20°21	19°21	11°31	28°Y56	
T 3	0 46 38	9°43'52	16°51	21°55	18°21	1° 7	0°30	16°30	5°12	10°51	26°25	20°22	19°17	11°38	28°54	
W 4	0 50 34	10°43'08	1♌33	22°47	19°32	1°50	0°38	16°34	5°16	10°53	26°24	20°23	19°14	11°44	28°51	
T 5	0 54 31	11°42'26	16°29	23°46	20°43	2°32	0°46	16°38	5°19	10°55	26°23	20°R24	19°11	11°51	28°48	
F 6	0 58 28	12°41'46	1♐31	24°52	21°55	3°16	0°54	16°42	5°23	10°57	26°22	20°23	19° 8	11°58	28°45	
S 7	1 2 24	13°41'08	16°30	26° 4	23° 6	3°59	1° 2	16°47	5°27	10°59	26°22	20°22	19° 5	12° 4	28°42	
S 8	1 6 21	14°40'32	1♌20	27°21	24°17	4°42	1°10	16°51	5°31	11° 1	26°21	20°19	19° 2	12°11	28°39	
M 9	1 10 17	15°39'58	15°51	28°43	25°28	5°25	1°17	16°56	5°34	11° 3	26°20	20°16	18°58	12°18	28°37	
T 10	1 14 14	16°39'27	29°58	0♌ 9	26°39	6° 8	1°24	17° 0	5°38	11° 5	26°19	20°12	18°55	12°24	28°34	
W11	1 18 10	17°38'58	13♐38	1°38	27°50	6°52	1°32	17° 5	5°42	11° 7	26°18	20° 8	18°52	12°31	28°31	
T 12	1 22 7	18°38'31	26°52	3°10	29° 1	7°35	1°39	17° 9	5°46	11° 9	26°17	20° 6	18°49	12°37	28°28	
F 13	1 26 3	19°38'06	9♌40	4°45	0♌12	8°19	1°46	17°14	5°49	11°11	26°17	20° 4	18°46	12°44	28°25	
S 14	1 30 0	20°37'44	22° 6	6°21	1°23	9° 3	1°52	17°19	5°53	11°14	26°16	20°D 3	18°42	12°51	28°22	
S 15	1 33 57	21°37'24	4♌15	7°58	2°33	9°46	1°59	17°24	5°57	11°16	26°15	20° 4	18°39	12°57	28°19	
M16	1 37 53	22°37'06	16°11	9°37	3°44	10°30	2° 5	17°29	6° 0	11°18	26°14	20° 5	18°36	13° 4	28°16	
T 17	1 41 50	23°36'50	28° 1	11°17	4°55	11°14	2°12	17°34	6° 4	11°20	26°13	20° 7	18°33	13°11	28°13	
W18	1 45 46	24°36'37	9♐47	12°57	6° 5	11°58	2°18	17°39	6° 8	11°22	26°12	20° 9	18°30	13°17	28°10	
T 19	1 49 43	25°36'26	21°35	14°38	7°16	12°42	2°24	17°44	6°11	11°24	26°11	20°R 9	18°27	13°24	28° 7	
F 20	1 53 39	26°36'17	3♌29	16°19	8°26	13°26	2°30	17°49	6°15	11°27	26°10	20° 8	18°23	13°31	28° 4	
S 21	1 57 36	27°36'09	15°30	17°59	9°37	14°11	2°35	17°54	6°19	11°29	26° 9	20° 5	18°20	13°37	28° 1	
S 22	2 1 32	28°36'04	27°41	19°40	10°47	14°55	2°41	18° 0	6°22	11°31	26° 8	20° 1	18°17	13°44	27°58	
M23	2 5 29	29°36'01	10♍ 3	21°21	11°57	15°39	2°46	18° 5	6°26	11°33	26° 7	19°54	18°14	13°51	27°55	
T 24	2 9 26	0♍36'00	22°37	23° 2	13° 7	16°24	2°51	18°11	6°29	11°35	26° 6	19°47	18°11	13°57	27°53	
W25	2 13 22	1°36'01	5♌24	24°42	14°17	17° 8	2°56	18°16	6°33	11°38	26° 5	19°40	18° 8	14° 4	27°50	
T 26	2 17 19	2°36'04	18°24	26°23	15°27	17°53	3° 1	18°22	6°36	11°40	26° 4	19°32	18° 4	14°11	27°47	
F 27	2 21 15	3°36'08	1♌37	28° 2	16°37	18°37	3° 6	18°27	6°40	11°42	26° 3	19°27	18° 1	14°17	27°44	
S 28	2 25 12	4°36'14	15° 2	29°42	17°47	19°22	3°10	18°33	6°43	11°44	26° 2	19°23	17°58	14°24	27°41	
S 29	2 29 8	5°36'21	28°42	1♍21	18°57	20° 7	3°15	18°39	6°47	11°46	26° 1	19°21	17°55	14°30	27°38	
M30	2 33 5	6°36'30	12♌35	3° 0	20° 6	20°52	3°19	18°45	6°50	11°49	26° 0	19°D21	17°52	14°37	27°35	
T 31	2 37 1	7♍36'41	26♌42	4♍38	21♌16	21♌37	3♎23	18♌50	6♌54	11♍51	25♌59	19♌22	17♌48	14♐44	27°Y32	

Delta T = 69.98 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1634

NOVEMBER 1634GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
W 1	2 40 58	8♁36'53	11♂ 3	6♁16	22♂25	22♂22	3♁27	18♂56	6♁57	11♁53	25°R58	19♂23	17♂45	14♁50	27°R29		
T 2	2 44 55	9°37'06	25°34	7°53	23°34	23° 7	3°30	19° 2	7° 0	11°55	25♂57	19°R23	17°42	14°57	27°Y26		
F 3	2 48 51	10°37'21	10♀13	9°31	24°44	23°52	3°34	19° 8	7° 4	11°58	25°56	19°21	17°39	15° 4	27°23		
S 4	2 52 48	11°37'37	24°52	11° 7	25°53	24°37	3°37	19°14	7° 7	12° 0	25°55	19°17	17°36	15°10	27°20		
S 5	2 56 44	12°37'56	9♂27	12°44	27° 2	25°22	3°40	19°20	7°10	12° 2	25°54	19°11	17°33	15°17	27°18		
M 6	3 0 41	13°38'15	23°49	14°20	28°10	26° 7	3°43	19°27	7°13	12° 4	25°53	19° 2	17°29	15°24	27°15		
T 7	3 4 37	14°38'37	7♁53	15°56	29°19	26°53	3°45	19°33	7°17	12° 7	25°51	18°53	17°26	15°30	27°12		
W 8	3 8 34	15°39'01	21°34	17°31	0♂28	27°38	3°48	19°39	7°20	12° 9	25°50	18°43	17°23	15°37	27° 9		
T 9	3 12 30	16°39'26	4♁50	19° 6	1°36	28°23	3°50	19°45	7°23	12°11	25°49	18°35	17°20	15°44	27° 6		
F 10	3 16 27	17°39'54	17°41	20°41	2°44	29° 9	3°52	19°52	7°26	12°13	25°48	18°28	17°17	15°50	27° 4		
S 11	3 20 24	18°40'23	0♁10	22°16	3°53	29°54	3°54	19°58	7°29	12°16	25°47	18°24	17°14	15°57	27° 1		
S 12	3 24 20	19°40'54	12°21	23°50	5° 1	0♂40	3°56	20° 4	7°32	12°18	25°46	18°22	17°10	16° 3	26°58		
M13	3 28 17	20°41'26	24°18	25°24	6° 9	1°26	3°58	20°11	7°35	12°20	25°45	18°D22	17° 7	16°10	26°56		
T 14	3 32 13	21°42'01	6♁ 7	26°58	7°16	2°11	3°59	20°17	7°38	12°22	25°44	18°23	17° 4	16°17	26°53		
W15	3 36 10	22°42'37	17°54	28°31	8°24	2°57	4° 0	20°24	7°41	12°25	25°42	18°R23	17° 1	16°23	26°50		
T 16	3 40 6	23°43'15	29°44	0♂ 5	9°31	3°43	4° 1	20°30	7°44	12°27	25°41	18°22	16°58	16°30	26°48		
F 17	3 44 3	24°43'54	11♁41	1°38	10°39	4°29	4° 2	20°37	7°47	12°29	25°40	18°20	16°54	16°37	26°45		
S 18	3 47 59	25°44'35	23°50	3°11	11°46	5°15	4° 3	20°43	7°50	12°31	25°39	18°14	16°51	16°43	26°43		
S 19	3 51 56	26°45'18	6♁13	4°44	12°52	6° 1	4° 3	20°50	7°53	12°33	25°38	18° 6	16°48	16°50	26°40		
M20	3 55 53	27°46'03	18°51	6°17	13°59	6°47	4°R 3	20°57	7°55	12°36	25°37	17°55	16°45	16°57	26°38		
T 21	3 59 49	28°46'48	1♂46	7°50	15° 6	7°33	4° 3	21° 3	7°58	12°38	25°36	17°43	16°42	17° 3	26°35		
W22	4 3 46	29°47'35	14°56	9°22	16°12	8°19	4° 3	21°10	8° 1	12°40	25°35	17°30	16°39	17°10	26°33		
T 23	4 7 42	0♂48'24	28°19	10°55	17°18	9° 5	4° 2	21°17	8° 4	12°42	25°33	17°18	16°35	17°17	26°31		
F 24	4 11 39	1°49'13	11♁54	12°27	18°24	9°52	4° 2	21°24	8° 6	12°44	25°32	17° 8	16°32	17°23	26°28		
S 25	4 15 35	2°50'04	25°37	13°59	19°30	10°38	4° 1	21°30	8° 9	12°47	25°31	17° 0	16°29	17°30	26°26		
S 26	4 19 32	3°50'55	9♁28	15°31	20°35	11°24	4° 0	21°37	8°11	12°49	25°30	16°56	16°26	17°37	26°24		
M27	4 23 29	4°51'47	23°24	17° 3	21°40	12°11	3°59	21°44	8°14	12°51	25°29	16°54	16°23	17°43	26°22		
T 28	4 27 25	5°52'40	7♂26	18°34	22°45	12°57	3°57	21°51	8°16	12°53	25°28	16°D53	16°20	17°50	26°20		
W29	4 31 22	6°53'34	21°32	20° 6	23°50	13°43	3°56	21°58	8°19	12°55	25°27	16°R53	16°16	17°56	26°17		
T 30	4 35 18	7♂54'28	5♀42	21♂37	24♂55	14♂30	3♁54	22♂ 5	8♁21	12♁57	25♂26	16♂52	16♂13	18♁ 3	26°Y15		

Delta T = 69.83 sec.

Greg. Calendar

DECEMBER 1634GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	4 39 15	8♂55'24	19♀55	23♂ 8	25♂59	15♁16	3°R52	22♂12	8♁23	12♁59	25°R24	16°R49	16♂10	18♁10	26°R13		
S 2	4 43 11	9°56'20	4♂ 7	24°38	27° 2	16° 3	3♁50	22°19	8°26	13° 1	25♂23	16♂43	16° 7	18°16	26°Y11		
S 3	4 47 8	10°57'17	18°16	26° 8	28° 6	16°49	3°47	22°26	8°28	13° 3	25°22	16°34	16° 4	18°23	26°10		
M 4	4 51 4	11°58'14	2♁15	27°38	29° 9	17°36	3°45	22°33	8°30	13° 5	25°21	16°23	16° 0	18°30	26° 8		
T 5	4 55 1	12°59'13	16° 2	29° 7	0♁12	18°23	3°42	22°40	8°32	13° 7	25°20	16°10	15°57	18°36	26° 6		
W 6	4 58 58	14° 0'12	29°31	0♂36	1°15	19° 9	3°39	22°47	8°34	13° 9	25°19	15°56	15°54	18°43	26° 4		
T 7	5 2 54	15° 1'13	12♁40	2° 3	2°17	19°56	3°36	22°54	8°36	13°11	25°18	15°44	15°51	18°50	26° 2		
F 8	5 6 51	16° 2'14	25°28	3°30	3°19	20°43	3°33	23° 1	8°38	13°13	25°17	15°34	15°48	18°56	26° 1		
S 9	5 10 47	17° 3'16	7♁56	4°56	4°20	21°30	3°29	23° 8	8°40	13°15	25°16	15°27	15°45	19° 3	25°59		
S 10	5 14 44	18° 4'20	20° 7	6°20	5°21	22°17	3°25	23°15	8°42	13°17	25°15	15°23	15°41	19°10	25°58		
M11	5 18 40	19° 5'24	2♁ 5	7°43	6°22	23° 3	3°22	23°22	8°44	13°19	25°14	15°21	15°38	19°16	25°56		
T 12	5 22 37	20° 6'29	13°55	9° 4	7°22	23°50	3°17	23°29	8°46	13°21	25°13	15°20	15°35	19°23	25°55		
W13	5 26 33	21° 7'34	25°42	10°23	8°22	24°37	3°13	23°36	8°48	13°23	25°12	15°20	15°32	19°30	25°53		
T 14	5 30 30	22° 8'41	7♁33	11°40	9°22	25°24	3° 9	23°43	8°49	13°25	25°11	15°20	15°29	19°36	25°52		
F 15	5 34 27	23° 9'48	19°31	12°53	10°21	26°11	3° 4	23°50	8°51	13°27	25°10	15°17	15°26	19°43	25°51		
S 16	5 38 23	24°10'56	1♁44	14° 3	11°19	26°58	2°59	23°57	8°53	13°28	25° 9	15°12	15°22	19°49	25°49		
S 17	5 42 20	25°12'05	14°13	15°10	12°17	27°45	2°54	24° 4	8°54	13°30	25° 8	15° 4	15°19	19°56	25°48		
M18	5 46 16	26°13'15	27° 3	16°11	13°15	28°32	2°49	24°11	8°56	13°32	25° 7	14°54	15°16	20° 3	25°47		
T 19	5 50 13	27°14'25	10♂14	17° 7	14°12	29°19	2°44	24°18	8°57	13°34	25° 6	14°41	15°13	20° 9	25°46		
W20	5 54 9	28°15'36	23°45	17°57	15° 8	0♁ 6	2°39	24°25	8°59	13°36	25° 5	14°28	15°10	20°16	25°45		
T 21	5 58 6	29°16'47	7♁33	18°41	16° 4	0°53	2°33	24°32	9° 0	13°37	25° 4	14°16	15° 6	20°23	25°44		
F 22	6 2 2	0♂17'58	21°35	19°16	16°59	1°41	2°27	24°39	9° 1	13°39	25° 3	14° 5	15° 3	20°29	25°43		
S 23	6 5 59	1°19'09	5♁45	19°43	17°54	2°28	2°21	24°46	9° 2	13°41	25° 2	13°57	15° 0	20°36	25°42		
S 24	6 9 56	2°20'21	19°59	20° 0	18°48	3°15	2°15	24°53	9° 4	13°42	25° 2	13°53	14°57	20°43	25°42		
M25	6 13 52	3°21'32	4♂13	20°R 7	19°41	4° 2	2° 9	25° 0	9° 5	13°44	25° 1	13°51	14°54	20°49	25°41		
T 26	6 17 49	4°22'43	18°24	20° 2	20°34	4°49	2° 3	25° 7	9° 6	13°46	25° 0	13°D50	14°51	20°56	25°40		
W27	6 21 45	5°23'53	2♀30	19°46	21°25	5°37	1°56	25°14	9° 7	13°47	24°59	13°R51	14°47	21° 3	25°40		
T 28	6 25 42	6°25'04	16°32	19°18	22°17	6°24	1°50	25°21	9° 8	13°49	24°58	13°50	14°44	21° 9	25°39		
F 29	6 29 38	7°26'14	0♂28	18°39	23° 7	7°11	1°43	25°28	9° 9	13°50	24°57	13°48	14°41	21°16	25°39		
S 30	6 33 35	8°27'24	14°17	17°48	23°56	7°58	1°36	25°35	9° 9	13°52	24°57	13°43	14°38	21°22	25°38		
S 31	6 37 31	9♂28'34	27♂59	16♂47	24♁45	8♁46	1♁30	25♂42	9♁10	13♁53	24♂56	13♂36	14♂35	21♁29	25°Y38		

Delta T = 69.69 sec.

Greg. Calendar

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