

SWISS EPHEMERIS for the year 1620

JANUARY 1620G

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
W 1	6 40 2	10♁7'48	28♁10	20♁53	15♁38	15♁46	6♁15	17°R20	26°R46	11♁45	10°R37	4♁57	4♁40	11♁13	28♁3
T 2	6 43 59	11° 8'59	10♁7	22°32	16°54	16°33	6°21	17°II16	26°R43	11°45	10°R36	4°58	4°37	11°19	28° 6
F 3	6 47 55	12°10'11	21°58	24°10	18° 9	17°20	6°28	17°11	26°41	11°46	10°36	4°58	4°34	11°26	28° 9
S 4	6 51 52	13°11'21	3♁46	25°48	19°25	18° 8	6°34	17° 7	26°38	11°46	10°36	4°R59	4°30	11°33	28°13
S 5	6 55 48	14°12'32	15°33	27°26	20°40	18°55	6°41	17° 3	26°36	11°46	10°35	4°58	4°27	11°39	28°16
M 6	6 59 45	15°13'43	27°21	29° 3	21°56	19°42	6°48	16°59	26°33	11°46	10°35	4°58	4°24	11°46	28°19
T 7	7 3 41	16°14'53	9♁13	0♁39	23°11	20°29	6°55	16°55	26°31	11°47	10°34	4°56	4°21	11°53	28°22
W 8	7 7 38	17°16'02	21°10	2°15	24°26	21°16	7° 3	16°51	26°28	11°47	10°34	4°55	4°18	11°59	28°25
T 9	7 11 35	18°17'11	3♁15	3°50	25°42	22° 3	7°10	16°47	26°26	11°47	10°34	4°53	4°14	12° 6	28°29
F 10	7 15 31	19°18'19	15°30	5°23	26°57	22°50	7°18	16°43	26°23	11°47	10°33	4°50	4°11	12°12	28°32
S 11	7 19 28	20°19'27	27°59	6°54	28°13	23°37	7°25	16°40	26°20	11°47	10°33	4°49	4° 8	12°19	28°35
S 12	7 23 24	21°20'33	10♁45	8°23	29°28	24°25	7°33	16°36	26°18	11°47	10°33	4°48	4° 5	12°26	28°39
M13	7 27 21	22°21'39	23°51	9°50	0♁43	25°12	7°41	16°33	26°15	11°R47	10°32	4°D47	4° 2	12°32	28°42
T14	7 31 17	23°22'44	7♁19	11°13	1°59	25°59	7°50	16°29	26°12	11°47	10°32	4°48	3°59	12°39	28°46
W15	7 35 14	24°23'49	21°12	12°33	3°14	26°46	7°58	16°26	26°10	11°47	10°32	4°49	3°55	12°46	28°49
T16	7 39 10	25°24'52	5♁31	13°48	4°29	27°33	8° 7	16°22	26° 7	11°47	10°32	4°50	3°52	12°52	28°53
F17	7 43 7	26°25'54	20°12	14°58	5°45	28°20	8°15	16°19	26° 5	11°47	10°32	4°52	3°49	12°59	28°56
S18	7 47 4	27°26'56	5♁11	16° 2	7° 0	29° 7	8°24	16°16	26° 2	11°47	10°31	4°R52	3°46	13° 6	29° 0
S19	7 51 0	28°27'56	20°22	17° 0	8°15	29°54	8°33	16°13	25°59	11°47	10°31	4°51	3°43	13°12	29° 4
M20	7 54 57	29°28'56	5♁35	17°50	9°30	0♁41	8°42	16°10	25°57	11°47	10°31	4°50	3°40	13°19	29° 7
T21	7 58 53	0♁29'55	20°39	18°31	10°46	1°28	8°51	16° 7	25°54	11°46	10°31	4°46	3°36	13°26	29°11
W22	8 2 50	1°30'53	5♁27	19° 4	12° 1	2°15	9° 1	16° 5	25°52	11°46	10°31	4°43	3°33	13°32	29°15
T23	8 6 46	2°31'50	19°50	19°26	13°16	3° 2	9°10	16° 2	25°49	11°46	10°31	4°39	3°30	13°39	29°18
F24	8 10 43	3°32'47	3♁45	19°38	14°31	3°49	9°20	15°59	25°46	11°45	10°31	4°35	3°27	13°46	29°22
S25	8 14 39	4°33'42	17°11	19°R39	15°46	4°36	9°29	15°57	25°44	11°45	10°D31	4°32	3°24	13°52	29°26
S26	8 18 36	5°34'37	0♁10	19°29	17° 2	5°23	9°39	15°55	25°41	11°45	10°31	4°D31	3°20	13°59	29°30
M27	8 22 33	6°35'32	12°46	19° 7	18°17	6°10	9°49	15°52	25°39	11°44	10°31	4°31	3°17	14° 5	29°33
T28	8 26 29	7°36'25	2° 2	18°35	19°32	6°56	9°59	15°50	25°36	11°44	10°31	4°32	3°14	14°12	29°37
W29	8 30 26	8°37'18	7♁3	17°52	20°47	7°43	10° 9	15°48	25°34	11°43	10°31	4°34	3°11	14°19	29°41
T30	8 34 22	9°38'10	18°55	17° 0	22° 2	8°30	10°20	15°46	25°31	11°43	10°31	4°36	3° 8	14°25	29°45
F31	8 38 19	10°39'01	0♁42	16♁1	23♁17	9♁17	10°Y30	15°II45	25°R29	11♁42	10°R31	4°R37	3♁5	14°R32	29♁49

Delta T = 121.29 sec. Greg. Calendar

FEBRUARY 1620G

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	8 42 15	11°39'51	12♁28	14°R56	24♁32	10♁4	10°Y41	15°R43	25°R26	11°R41	10°R32	4°R36	3♁1	14°R39	29♁53
S 2	8 46 12	12°40'40	24°16	13♁46	25°48	10°51	10°51	15°II41	25°R24	11♁41	10°32	4°R34	2°58	14°45	29°57
M 3	8 50 8	13°41'27	6♁9	12°35	27° 3	11°37	11° 2	15°40	25°21	11°40	10°32	4°30	2°55	14°52	0♁0
T 4	8 54 5	14°42'13	18° 9	11°23	28°18	12°24	11°13	15°38	25°19	11°39	10°32	4°24	2°52	14°59	0° 4
W 5	8 58 2	15°42'58	0♁17	10°13	29°33	13°11	11°24	15°37	25°16	11°39	10°32	4°17	2°49	15° 5	0° 8
T 6	9 1 58	16°43'42	12°35	9° 7	0♁48	13°57	11°35	15°36	25°14	11°38	10°33	4° 9	2°46	15°12	0°12
F 7	9 5 55	17°44'24	25° 3	8° 5	2° 3	14°44	11°46	15°35	25°12	11°37	10°33	4° 1	2°42	15°19	0°16
S 8	9 9 51	18°45'04	7°Y43	7°10	3°18	15°31	11°58	15°34	25° 9	11°36	10°33	3°53	2°39	15°25	0°20
S 9	9 13 48	19°45'43	20°36	6°22	4°33	16°17	12° 9	15°33	25° 7	11°35	10°34	3°48	2°36	15°32	0°24
M10	9 17 44	20°46'20	3♁44	5°41	5°47	17° 4	12°20	15°32	25° 5	11°34	10°34	3°44	2°33	15°39	0°28
T11	9 21 41	21°46'55	17° 8	5° 7	7° 2	17°50	12°32	15°32	25° 2	11°34	10°34	3°D42	2°30	15°45	0°32
W12	9 25 37	22°47'29	0♁51	4°42	8°17	18°37	12°44	15°31	25° 0	11°33	10°35	3°43	2°26	15°52	0°36
T13	9 29 34	23°48'00	14°52	4°24	9°32	19°23	12°55	15°31	24°58	11°32	10°35	3°44	2°23	15°58	0°40
F14	9 33 31	24°48'30	29°13	4°14	10°47	20°10	13° 7	15°31	24°56	11°31	10°35	3°R44	2°20	16° 5	0°44
S15	9 37 27	25°48'58	13♁51	4°D11	12° 2	20°56	13°19	15°31	24°54	11°30	10°36	3°44	2°17	16°12	0°48
S16	9 41 24	26°49'24	28°42	4°15	13°16	21°43	13°31	15°D31	24°51	11°29	10°36	3°42	2°14	16°18	0°52
M17	9 45 20	27°49'49	13♁39	4°25	14°31	22°29	13°43	15°31	24°49	11°28	10°37	3°37	2°11	16°25	0°57
T18	9 49 17	28°50'11	28°35	4°41	15°46	23°15	13°55	15°31	24°47	11°27	10°37	3°30	2° 7	16°32	1° 1
W19	9 53 13	29°50'32	13♁19	5° 3	17° 1	24° 1	14° 8	15°31	24°45	11°25	10°38	3°21	2° 4	16°38	1° 5
T20	9 57 10	0♁50'51	27°45	5°31	18°15	24°48	14°20	15°32	24°43	11°24	10°39	3°11	2° 1	16°45	1° 9
F21	10 1 6	1°51'09	11♁45	6° 3	19°30	25°34	14°32	15°32	24°41	11°23	10°39	3° 2	1°58	16°52	1°13
S22	10 5 3	2°51'25	25°19	6°40	20°44	26°20	14°45	15°33	24°39	11°22	10°40	2°55	1°55	16°58	1°17
S23	10 9 0	3°51'39	8♁24	7°21	21°59	27° 6	14°57	15°34	24°38	11°21	10°40	2°49	1°52	17° 5	1°21
M24	10 12 56	4°51'53	21° 4	8° 6	23°14	27°52	15°10	15°35	24°36	11°19	10°41	2°46	1°48	17°12	1°25
T25	10 16 53	5°52'04	3♁23	8°54	24°28	28°38	15°23	15°36	24°34	11°18	10°42	2°D45	1°45	17°18	1°29
W26	10 20 49	6°52'14	15°26	9°46	25°43	29°24	15°36	15°37	24°32	11°17	10°42	2°45	1°42	17°25	1°33
T27	10 24 46	7°52'23	27°18	10°41	26°57	0°Y10	15°48	15°38	24°31	11°16	10°43	2°R46	1°39	17°32	1°37
F28	10 28 42	8°52'30	9♁5	11°39	28°11	0°56	16° 1	15°39	24°29	11°14	10°44	2°46	1°36	17°38	1°41
S29	10 32 39	9°52'35	20♁52	12♁39	29♁26	1°Y42	16°Y14	15°II41	24°R27	11♁13	10°R44	2°R44	1°R32	17°R45	1°R45

Delta T = 120.86 sec. Greg. Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [5.1.2003]

SWISS EPHEMERIS for the year 1620

MARCH 1620GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
S 1	10 36 35	10 X 52'39	2 ∞ 43	13 ∞ 43	0 Y 40	2 Y 28	16 Y 27	15 II 42	24°R26	11°R12	10 B 45	2°R40	1 B 29	17 B 52	1 X 49	
M 2	10 40 32	11°52'40	14°41	14°48	1°55	3°14	16°40	15°44	24 ∞ 24	11 A 10	10°46	2 B 33	1°26	17°58	1°53	
T 3	10 44 29	12°52'40	26°51	15°56	3° 9	3°59	16°54	15°46	24°23	11° 9	10°47	2°23	1°23	18° 5	1°57	
W 4	10 48 25	13°52'38	9 X 12	17° 6	4°23	4°45	17° 7	15°47	24°21	11° 7	10°47	2°12	1°20	18°11	2° 1	
T 5	10 52 22	14°52'35	21°46	18°18	5°37	5°31	17°20	15°49	24°20	11° 6	10°48	1°59	1°17	18°18	2° 5	
F 6	10 56 18	15°52'29	4 Y 34	19°32	6°52	6°17	17°33	15°52	24°18	11° 5	10°49	1°46	1°13	18°25	2° 9	
S 7	11 0 15	16°52'21	17°33	20°47	8° 6	7° 2	17°47	15°54	24°17	11° 3	10°50	1°34	1°10	18°31	2°13	
S 8	11 4 11	17°52'11	0 B 44	22° 5	9°20	7°48	18° 0	15°56	24°16	11° 2	10°51	1°24	1° 7	18°38	2°17	
M 9	11 8 8	18°51'59	14° 6	23°24	10°34	8°33	18°14	15°58	24°15	11° 0	10°52	1°17	1° 4	18°45	2°21	
T 10	11 12 4	19°51'45	27°39	24°45	11°48	9°19	18°27	16° 1	24°13	10°59	10°53	1°13	1° 1	18°51	2°25	
W11	11 16 1	20°51'28	11 II 22	26° 7	13° 2	10° 4	18°41	16° 4	24°12	10°57	10°54	1°12	0°57	18°58	2°28	
T 12	11 19 58	21°51'10	25°18	27°31	14°16	10°50	18°54	16° 6	24°11	10°56	10°54	1°12	0°54	19° 5	2°32	
F 13	11 23 54	22°50'48	9 B 25	28°56	15°30	11°35	19° 8	16° 9	24°10	10°54	10°55	1°11	0°51	19°11	2°36	
S 14	11 27 51	23°50'25	23°42	0 X 23	16°44	12°20	19°22	16°12	24° 9	10°52	10°56	1°10	0°48	19°18	2°40	
S 15	11 31 47	24°49'59	8 Ω 9	1°51	17°58	13° 5	19°36	16°15	24° 8	10°51	10°57	1° 6	0°45	19°25	2°44	
M16	11 35 44	25°49'31	22°41	3°21	19°12	13°51	19°49	16°18	24° 8	10°49	10°58	1° 0	0°42	19°31	2°48	
T 17	11 39 40	26°49'01	7 η 13	4°52	20°25	14°36	20° 3	16°22	24° 7	10°48	10°59	0°51	0°38	19°38	2°51	
W18	11 43 37	27°48'28	21°37	6°25	21°39	15°21	20°17	16°25	24° 6	10°46	11° 0	0°39	0°35	19°45	2°55	
T 19	11 47 33	28°47'53	5 ∞ 49	7°58	22°53	16° 6	20°31	16°28	24° 5	10°45	11° 1	0°27	0°32	19°51	2°59	
F 20	11 51 30	29°47'17	19°41	9°33	24° 6	16°51	20°45	16°32	24° 5	10°43	11° 2	0°15	0°29	19°58	3° 3	
S 21	11 55 26	0 Y 46'38	3 Π 10	11°10	25°20	17°36	20°59	16°35	24° 4	10°41	11° 4	0° 5	0°26	20° 5	3° 6	
S 22	11 59 23	1°45'58	16°15	12°48	26°33	18°21	21°13	16°39	24° 3	10°40	11° 5	29 A 57	0°23	20°11	3°10	
M23	12 3 20	2°45'16	28°56	14°27	27°47	19° 6	21°27	16°43	24° 3	10°38	11° 6	29°51	0°19	20°18	3°14	
T 24	12 7 16	3°44'32	11 A 18	16° 8	29° 0	19°51	21°41	16°47	24° 3	10°36	11° 7	29°49	0°16	20°25	3°17	
W25	12 11 13	4°43'46	23°23	17°50	0 B 14	20°35	21°55	16°51	24° 2	10°35	11° 8	29°48	0°13	20°31	3°21	
T 26	12 15 9	5°42'58	5 B 17	19°33	1°27	21°20	22° 9	16°55	24° 2	10°33	11° 9	29°48	0°10	20°38	3°24	
F 27	12 19 6	6°42'09	17° 6	21°18	2°41	22° 5	22°23	16°59	24° 2	10°32	11°10	29°47	0° 7	20°44	3°28	
S 28	12 23 2	7°41'17	28°54	23° 4	3°54	22°49	22°37	17° 3	24° 1	10°30	11°11	29°46	0° 3	20°51	3°31	
S 29	12 26 59	8°40'24	10 ∞ 48	24°52	5° 7	23°34	22°52	17° 8	24° 1	10°28	11°13	29°42	0° 0	20°58	3°35	
M30	12 30 55	9°39'29	22°52	26°41	6°20	24°19	23° 6	17°12	24° 1	10°27	11°14	29°36	29 A 57	21° 4	3°38	
T 31	12 34 52	10 Y 38'33	5 X 9	28 X 31	7 B 33	25 Y 3	23 Y 20	17 II 17	24 ∞ 1	10 A 25	11 B 15	29 A 26	29 A 54	21 B 11	3 X 42	

Delta T = 120.47 sec. Greg. Calendar

APRIL 1620GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
W 1	12 38 49	11 Y 37'34	17 X 41	0 Y 23	8 B 47	25 Y 47	23 Y 34	17 II 21	24 ∞ 1	10°R23	11 B 16	29°R15	29 A 51	21 B 18	3 X 45	
T 2	12 42 45	12°36'33	0 Y 31	2°16	10° 0	26°32	23°49	17°26	24° 1	10 A 22	11°17	29 A 3	29°48	21°24	3°49	
F 3	12 46 42	13°35'31	13°38	4°11	11°13	27°16	24° 3	17°31	24° 1	10°20	11°18	28°50	29°44	21°31	3°52	
S 4	12 50 38	14°34'26	27° 0	6° 8	12°26	28° 1	24°17	17°36	24° 1	10°18	11°20	28°38	29°41	21°38	3°55	
S 5	12 54 35	15°33'19	10 B 34	8° 5	13°38	28°45	24°32	17°41	24° 1	10°17	11°21	28°29	29°38	21°44	3°58	
M 6	12 58 31	16°32'11	24°19	10° 4	14°51	29°29	24°46	17°46	24° 2	10°15	11°22	28°22	29°35	21°51	4° 2	
T 7	13 2 28	17°31'00	8 II 12	12° 5	16° 4	0 B 13	25° 0	17°51	24° 2	10°13	11°23	28°18	29°32	21°58	4° 5	
W 8	13 6 24	18°29'47	22°10	14° 6	17°17	0°57	25°15	17°56	24° 2	10°12	11°25	28°D17	29°28	22° 4	4° 8	
T 9	13 10 21	19°28'31	6 B 13	16° 9	18°30	1°41	25°29	18° 1	24° 3	10°10	11°26	28°17	29°25	22°11	4°11	
F 10	13 14 18	20°27'14	20°19	18°13	19°42	2°25	25°43	18° 6	24° 3	10° 9	11°27	28°R17	29°22	22°18	4°14	
S 11	13 18 14	21°25'54	4 Ω 27	20°19	20°55	3° 9	25°58	18°12	24° 4	10° 7	11°29	28°16	29°19	22°24	4°17	
S 12	13 22 11	22°24'31	18°37	22°25	22° 7	3°53	26°12	18°17	24° 4	10° 5	11°30	28°14	29°16	22°31	4°20	
M13	13 26 7	23°23'07	2 η 45	24°31	23°20	4°37	26°26	18°23	24° 5	10° 4	11°31	28° 9	29°13	22°38	4°23	
T 14	13 30 4	24°21'40	16°50	26°39	24°32	5°21	26°41	18°29	24° 6	10° 2	11°32	28° 1	29° 9	22°44	4°26	
W15	13 34 0	25°20'11	0 A 47	28°47	25°45	6° 5	26°55	18°34	24° 6	10° 1	11°34	27°52	29° 6	22°51	4°29	
T 16	13 37 57	26°18'40	14°34	0 B 54	26°57	6°48	27°10	18°40	24° 7	9°59	11°35	27°42	29° 3	22°58	4°32	
F 17	13 41 53	27°17'07	28° 5	3° 2	28° 9	7°32	27°24	18°46	24° 8	9°57	11°36	27°32	29° 0	23° 4	4°35	
S 18	13 45 50	28°15'32	11 Π 18	5° 9	29°21	8°15	27°38	18°52	24° 9	9°56	11°38	27°23	28°57	23°11	4°37	
S 19	13 49 47	29°13'56	24°13	7°16	0 II 33	8°59	27°53	18°58	24°10	9°54	11°39	27°16	28°54	23°18	4°40	
M20	13 53 43	0 B 12'17	6 A 48	9°21	1°45	9°42	28° 7	19° 4	24°11	9°53	11°40	27°12	28°50	23°24	4°43	
T 21	13 57 40	1°10'38	19° 7	11°25	2°57	10°26	28°21	19°10	24°12	9°51	11°42	27°10	28°47	23°31	4°45	
W22	14 1 36	2° 8'56	1 B 12	13°28	4° 9	11° 9	28°36	19°16	24°13	9°50	11°43	27°D 9	28°44	23°38	4°48	
T 23	14 5 33	3° 7'13	13° 7	15°28	5°21	11°53	28°50	19°22	24°14	9°48	11°44	27°10	28°41	23°44	4°50	
F 24	14 9 29	4° 5'28	24°56	17°26	6°33	12°36	29° 5	19°28	24°15	9°47	11°46	27°11	28°38	23°51	4°53	
S 25	14 13 26	5° 3'42	6 ∞ 46	19°22	7°45	13°19	29°19	19°35	24°17	9°45	11°47	27°R12	28°34	23°58	4°55	
S 26	14 17 22	6° 1'54	18°42	21°15	8°56	14° 2	29°33	19°41	24°18	9°44	11°48	27°11	28°31	24° 4	4°58	
M27	14 21 19	7° 0'05	0 X 48	23° 4	10° 8	14°46	29°48	19°47	24°19	9°42	11°50	27° 8	28°28	24°11	5° 0	
T 28	14 25 16	7°58'14	13° 8	24°51	11°19	15°29	0 B 2	19°54	24°21	9°41	11°51	27° 3	28°25	24°17	5° 2	
W29	14 29 12	8°56'22	25°47	26°35	12°31	16°12	0°16	20° 0	24°22	9°40	11°52	26°56	28°22	24°24	5° 5	
T 30	14 33 9	9 B 54'28	8 Y 47	28 B 15	13 II 42	16 B 55	0 B 30	20 II 7	24 ∞ 24	9 A 38	11 B 54	26 A 49	28 A 19	24 B 31	5 X 7	

Delta T = 120.04 sec. Greg. Calendar

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SWISS EPHEMERIS for the year 1620

MAY 1620GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	14 37 5	10♄52'33	22♃8	29♄51	14♁53	17♂38	0♃45	20♁14	24♄25	9♁R37	11♄55	26♁R41	28♁15	24♃37	5♁9		
S 2	14 41 2	11°50'36	5♄48	1♁24	16° 5	18°20	0°59	20°20	24°27	9♁36	11°57	26♁R34	28°12	24°44	5°11		
S 3	14 44 58	12°48'38	19°46	2°53	17°16	19° 3	1°13	20°27	24°28	9°34	11°58	26°28	28° 9	24°51	5°13		
M 4	14 48 55	13°46'38	3♁56	4°18	18°27	19°46	1°27	20°34	24°30	9°33	11°59	26°24	28° 6	24°57	5°15		
T 5	14 52 51	14°44'36	18°14	5°39	19°38	20°29	1°42	20°41	24°32	9°32	12° 1	26°22	28° 3	25° 4	5°17		
W 6	14 56 48	15°42'33	2♄36	6°56	20°49	21°12	1°56	20°48	24°34	9°30	12° 2	26°D22	28° 0	25°11	5°19		
T 7	15 0 45	16°40'28	16°58	8° 9	22° 0	21°54	2°10	20°55	24°35	9°29	12° 3	26°23	27°56	25°17	5°21		
F 8	15 4 41	17°38'21	1♁15	9°18	23°11	22°37	2°24	21° 2	24°37	9°28	12° 5	26°24	27°53	25°24	5°23		
S 9	15 8 38	18°36'12	15°27	10°23	24°22	23°19	2°38	21° 9	24°39	9°27	12° 6	26°R25	27°50	25°31	5°24		
S 10	15 12 34	19°34'02	29°30	11°24	25°32	24° 2	2°52	21°16	24°41	9°25	12° 7	26°25	27°47	25°37	5°26		
M11	15 16 31	20°31'49	13♁25	12°20	26°43	24°44	3° 6	21°23	24°43	9°24	12° 9	26°23	27°44	25°44	5°28		
T 12	15 20 27	21°29'35	27° 9	13°12	27°53	25°27	3°20	21°30	24°45	9°23	12°10	26°19	27°40	25°51	5°29		
W13	15 24 24	22°27'19	10♄42	14° 0	29° 4	26° 9	3°34	21°37	24°47	9°22	12°11	26°15	27°37	25°57	5°31		
T 14	15 28 20	23°25'02	24° 2	14°43	0♄14	26°51	3°48	21°44	24°50	9°21	12°13	26° 9	27°34	26° 4	5°32		
F 15	15 32 17	24°22'43	7♁ 9	15°22	1°24	27°34	4° 2	21°51	24°52	9°20	12°14	26° 4	27°31	26°11	5°34		
S 16	15 36 13	25°20'23	20° 1	15°56	2°34	28°16	4°16	21°59	24°54	9°19	12°15	26° 0	27°28	26°17	5°35		
S 17	15 40 10	26°18'01	2♄38	16°25	3°44	28°58	4°30	22° 6	24°56	9°18	12°17	25°56	27°25	26°24	5°37		
M18	15 44 7	27°15'39	15° 2	16°50	4°54	29°40	4°43	22°13	24°59	9°17	12°18	25°55	27°21	26°31	5°38		
T 19	15 48 3	28°13'15	27°13	17° 9	6° 4	0♁22	4°57	22°21	25° 1	9°16	12°19	25°D54	27°18	26°37	5°39		
W20	15 52 0	29°10'50	9♄13	17°25	7°14	1° 4	5°11	22°28	25° 3	9°15	12°21	25°55	27°15	26°44	5°40		
T 21	15 55 56	0♁ 8'24	21° 6	17°35	8°23	1°46	5°25	22°36	25° 6	9°14	12°22	25°56	27°12	26°51	5°41		
F 22	15 59 53	1° 5'57	2♄56	17°41	9°33	2°28	5°38	22°43	25° 8	9°13	12°23	25°58	27° 9	26°57	5°42		
S 23	16 3 49	2° 3'29	14°47	17°R42	10°42	3°10	5°52	22°51	25°11	9°12	12°25	25°59	27° 6	27° 4	5°43		
S 24	16 7 46	3° 1'00	26°42	17°38	11°51	3°51	6° 5	22°58	25°13	9°11	12°26	26° 0	27° 2	27°11	5°44		
M25	16 11 43	3°58'30	8♁48	17°30	13° 1	4°33	6°19	23° 6	25°16	9°11	12°27	26°R 0	26°59	27°17	5°45		
T 26	16 15 39	4°56'00	21° 8	17°18	14°10	5°15	6°32	23°13	25°18	9°10	12°28	26° 0	26°56	27°24	5°46		
W27	16 19 36	5°53'29	3♃48	17° 2	15°19	5°57	6°46	23°21	25°21	9° 9	12°30	25°58	26°53	27°31	5°47		
T 28	16 23 32	6°50'57	16°50	16°42	16°28	6°38	6°59	23°28	25°24	9° 8	12°31	25°55	26°50	27°37	5°47		
F 29	16 27 29	7°48'24	0♄15	16°19	17°36	7°20	7°12	23°36	25°26	9° 8	12°32	25°53	26°46	27°44	5°48		
S 30	16 31 25	8°45'50	14° 5	15°53	18°45	8° 1	7°26	23°44	25°29	9° 7	12°33	25°51	26°43	27°51	5°49		
S 31	16 35 22	9♁43'16	28♄17	15♁24	19♄54	8♁43	7♄39	23♁51	25♄32	9♁ 6	12♄35	25♁49	26♁40	27♄57	5♁49		

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	16 39 18	10♁40'41	12♁47	14°R54	21♄ 2	9♁24	7♄52	23♁59	25♄35	9°R 6	12♄36	25°R48	26♁37	28♄ 4	5♁50		
T 2	16 43 15	11°38'05	27°29	14♁21	22°11	10° 6	8° 5	24° 7	25°38	9♁ 5	12°37	25°D47	26°34	28°11	5°50		
W 3	16 47 12	12°35'29	12♄16	13°48	23°19	10°47	8°18	24°15	25°41	9° 5	12°38	25♁48	26°31	28°17	5°50		
T 4	16 51 8	13°32'51	27° 2	13°15	24°27	11°28	8°31	24°22	25°44	9° 4	12°40	25°49	26°27	28°24	5°51		
F 5	16 55 5	14°30'12	11♁39	12°41	25°35	12°10	8°44	24°30	25°47	9° 4	12°41	25°50	26°24	28°31	5°51		
S 6	16 59 1	15°27'32	26° 4	12° 9	26°43	12°51	8°57	24°38	25°50	9° 3	12°42	25°50	26°21	28°37	5°51		
S 7	17 2 58	16°24'52	10♁13	11°37	27°50	13°32	9°10	24°46	25°53	9° 3	12°43	25°R51	26°18	28°44	5°51		
M 8	17 6 54	17°22'10	24° 4	11° 8	28°58	14°13	9°23	24°53	25°56	9° 2	12°44	25°51	26°15	28°51	5°R51		
T 9	17 10 51	18°19'27	7♁38	10°40	0♁ 5	14°54	9°35	25° 1	25°59	9° 2	12°45	25°50	26°12	28°57	5°51		
W10	17 14 47	19°16'43	20°54	10°16	1°12	15°35	9°48	25° 9	26° 2	9° 2	12°47	25°50	26° 8	29° 4	5°51		
T 11	17 18 44	20°13'59	3♁54	9°55	2°19	16°16	10° 0	25°17	26° 5	9° 1	12°48	25°49	26° 5	29°11	5°51		
F 12	17 22 41	21°11'13	16°39	9°37	3°26	16°57	10°13	25°25	26° 8	9° 1	12°49	25°48	26° 2	29°17	5°51		
S 13	17 26 37	22° 8'28	29°11	9°23	4°33	17°38	10°25	25°33	26°11	9° 1	12°50	25°48	25°59	29°24	5°51		
S 14	17 30 34	23° 5'41	11♁31	9°13	5°40	18°19	10°38	25°40	26°14	9° 1	12°51	25°48	25°56	29°31	5°50		
M15	17 34 30	24° 2'54	23°41	9° 8	6°46	19° 0	10°50	25°48	26°18	9° 1	12°52	25°D48	25°52	29°37	5°50		
T 16	17 38 27	25° 0'07	5♄43	9°D 7	7°52	19°40	11° 2	25°56	26°21	9° 0	12°53	25°48	25°49	29°44	5°50		
W17	17 42 23	25°57'19	17°38	9°11	8°58	20°21	11°14	26° 4	26°24	9° 0	12°54	25°R48	25°46	29°51	5°49		
T 18	17 46 20	26°54'31	29°28	9°19	10° 4	21° 2	11°26	26°12	26°28	9° 0	12°55	25°48	25°43	29°57	5°49		
F 19	17 50 16	27°51'43	11♁18	9°33	11°10	21°42	11°38	26°20	26°31	9° 0	12°56	25°47	25°40	0♁ 4	5°48		
S 20	17 54 13	28°48'55	23° 9	9°51	12°15	22°23	11°50	26°27	26°34	9°D 0	12°57	25°47	25°37	0°11	5°47		
S 21	17 58 10	29°46'06	5♁ 5	10°13	13°21	23° 3	12° 2	26°35	26°38	9° 0	12°58	25°47	25°33	0°17	5°47		
M22	18 2 6	0♄43'18	17°10	10°41	14°26	23°44	12°14	26°43	26°41	9° 0	12°59	25°46	25°30	0°24	5°46		
T 23	18 6 3	1°40'30	29°29	11°13	15°31	24°24	12°25	26°51	26°44	9° 0	13° 0	25°D46	25°27	0°31	5°45		
W24	18 9 59	2°37'41	12♃6	11°50	16°35	25° 5	12°37	26°59	26°48	9° 1	13° 1	25°46	25°24	0°37	5°44		
T 25	18 13 56	3°34'53	25° 4	12°31	17°40	25°45	12°48	27° 7	26°51	9° 1	13° 2	25°47	25°21	0°44	5°43		
F 26	18 17 52	4°32'05	8♄27	13°17	18°44	26°26	13° 0	27°14	26°55	9° 1	13° 3	25°47	25°18	0°51	5°42		
S 27	18 21 49	5°29'17	22°15	14° 8	19°48	27° 6	13°11	27°22	26°58	9° 1	13° 4	25°48	25°14	0°57	5°41		
S 28	18 25 45	6°26'30	6♁30	15° 3	20°52	27°46	13°22	27°30	27° 2	9° 1	13° 5	25°49	25°11	1° 4	5°40		
M29	18 29 42	7°23'43	21° 7	16° 2	21°56	28°26	13°33	27°38	27° 5	9° 2	13° 6	25°R49	25° 8	1°11	5°39		
T 30	18 33 39	8♄20'56	6♄ 3	17♁ 6	22♁59	29♁ 7	13♄44										

SWISS EPHEMERIS for the year 1620

JULY 1620G

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	18 37 35	9 ⁵⁸ 18'09	21 ⁵⁸ 8	18 ^{II} 14	24 ^Ω 2	29 ^{II} 47	13 [♄] 55	27 ^{II} 53	27 ⁵⁸ 12	9 [♂] 2	13 [♄] 7	25 [°] R48	25 [♂] 2	1 [♂] 24	5 [°] R37
T 2	18 41 32	10 [°] 15'22	6 [♄] 14	19 [°] 26	25 [°] 5	0 ⁵⁸ 27	14 [°] 6	28 [°] 1	27 [°] 16	9 [°] 3	13 [°] 8	25 [♂] 47	24 [°] 58	1 [°] 31	5 [♂] 35
F 3	18 45 28	11 [°] 12'34	21 [°] 12	20 [°] 42	26 [°] 8	1 [°] 7	14 [°] 17	28 [°] 9	27 [°] 19	9 [°] 3	13 [°] 9	25 [°] 45	24 [°] 55	1 [°] 37	5 [°] 34
S 4	18 49 25	12 [°] 9'47	5 [♂] 54	22 [°] 2	27 [°] 10	1 [°] 47	14 [°] 28	28 [°] 16	27 [°] 23	9 [°] 4	13 [°] 10	25 [°] 43	24 [°] 52	1 [°] 44	5 [°] 33
S 5	18 53 21	13 [°] 7'00	20 [°] 16	23 [°] 27	28 [°] 12	2 [°] 27	14 [°] 38	28 [°] 24	27 [°] 27	9 [°] 4	13 [°] 11	25 [°] 42	24 [°] 49	1 [°] 51	5 [°] 31
M 6	18 57 18	14 [°] 4'12	4 [♂] 13	24 [°] 55	29 [°] 14	3 [°] 7	14 [°] 48	28 [°] 32	27 [°] 30	9 [°] 4	13 [°] 11	25 [°] 41	24 [°] 46	1 [°] 57	5 [°] 30
T 7	19 1 14	15 [°] 1'25	17 [°] 45	26 [°] 28	0 [♂] 15	3 [°] 47	14 [°] 59	28 [°] 39	27 [°] 34	9 [°] 5	13 [°] 12	25 [°] D41	24 [°] 43	2 [°] 4	5 [°] 28
W 8	19 5 11	15 [°] 58'37	0 [♂] 55	28 [°] 4	1 [°] 16	4 [°] 27	15 [°] 9	28 [°] 47	27 [°] 37	9 [°] 6	13 [°] 13	25 [°] 41	24 [°] 39	2 [°] 11	5 [°] 27
T 9	19 9 8	16 [°] 55'50	13 [°] 43	29 [°] 43	2 [°] 17	5 [°] 6	15 [°] 19	28 [°] 55	27 [°] 41	9 [°] 6	13 [°] 13	25 [°] 42	24 [°] 36	2 [°] 18	5 [°] 25
F 10	19 13 4	17 [°] 53'03	26 [°] 15	1 ⁵⁸ 27	3 [°] 18	5 [°] 46	15 [°] 29	29 [°] 2	27 [°] 45	9 [°] 7	13 [°] 14	25 [°] 44	24 [°] 33	2 [°] 24	5 [°] 23
S 11	19 17 1	18 [°] 50'16	8 [♂] 32	3 [°] 13	4 [°] 18	6 [°] 26	15 [°] 39	29 [°] 10	27 [°] 48	9 [°] 7	13 [°] 15	25 [°] 45	24 [°] 30	2 [°] 31	5 [°] 22
S 12	19 20 57	19 [°] 47'29	20 [°] 39	5 [°] 3	5 [°] 18	7 [°] 6	15 [°] 49	29 [°] 17	27 [°] 52	9 [°] 8	13 [°] 15	25 [°] R46	24 [°] 27	2 [°] 38	5 [°] 20
M 13	19 24 54	20 [°] 44'42	2 ⁵⁸ 38	6 [°] 56	6 [°] 17	7 [°] 45	15 [°] 58	29 [°] 25	27 [°] 56	9 [°] 9	13 [°] 16	25 [°] 46	24 [°] 24	2 [°] 44	5 [°] 18
T 14	19 28 50	21 [°] 41'56	14 [°] 31	8 [°] 51	7 [°] 16	8 [°] 25	16 [°] 8	29 [°] 32	27 [°] 59	9 [°] 10	13 [°] 17	25 [°] 45	24 [°] 20	2 [°] 51	5 [°] 16
W 15	19 32 47	22 [°] 39'11	26 [°] 22	10 [°] 49	8 [°] 15	9 [°] 4	16 [°] 17	29 [°] 40	28 [°] 3	9 [°] 10	13 [°] 17	25 [°] 42	24 [°] 17	2 [°] 58	5 [°] 14
T 16	19 36 44	23 [°] 36'26	8 [♂] 11	12 [°] 49	9 [°] 13	9 [°] 44	16 [°] 27	29 [°] 47	28 [°] 7	9 [°] 11	13 [°] 18	25 [°] 38	24 [°] 14	3 [°] 4	5 [°] 12
F 17	19 40 40	24 [°] 33'41	20 [°] 2	14 [°] 51	10 [°] 11	10 [°] 24	16 [°] 36	29 [°] 55	28 [°] 10	9 [°] 12	13 [°] 18	25 [°] 34	24 [°] 11	3 [°] 11	5 [°] 10
S 18	19 44 37	25 [°] 30'57	1 [♂] 56	16 [°] 55	11 [°] 8	11 [°] 3	16 [°] 45	0 ⁵⁸ 2	28 [°] 14	9 [°] 13	13 [°] 19	25 [°] 29	24 [°] 8	3 [°] 18	5 [°] 8
S 19	19 48 33	26 [°] 28'14	13 [°] 56	19 [°] 0	12 [°] 5	11 [°] 42	16 [°] 54	0 [°] 9	28 [°] 18	9 [°] 14	13 [°] 19	25 [°] 24	24 [°] 4	3 [°] 24	5 [°] 6
M 20	19 52 30	27 [°] 25'32	26 [°] 4	21 [°] 6	13 [°] 2	12 [°] 22	17 [°] 3	0 [°] 17	28 [°] 21	9 [°] 15	13 [°] 20	25 [°] 19	24 [°] 1	3 [°] 31	5 [°] 4
T 21	19 56 26	28 [°] 22'51	8 [♂] 24	23 [°] 12	13 [°] 58	13 [°] 1	17 [°] 11	0 [°] 24	28 [°] 25	9 [°] 16	13 [°] 20	25 [°] 16	23 [°] 58	3 [°] 38	5 [°] 2
W 22	20 0 23	29 [°] 20'11	20 [°] 59	25 [°] 18	14 [°] 54	13 [°] 41	17 [°] 20	0 [°] 31	28 [°] 29	9 [°] 17	13 [°] 21	25 [°] 15	23 [°] 55	3 [°] 44	4 [°] 59
T 23	20 4 19	0 [♂] 17'31	3 [♄] 52	27 [°] 25	15 [°] 49	14 [°] 20	17 [°] 28	0 [°] 38	28 [°] 32	9 [°] 18	13 [°] 21	25 [°] D14	23 [°] 52	3 [°] 51	4 [°] 57
F 24	20 8 16	1 [°] 14'53	17 [°] 8	29 [°] 31	16 [°] 44	14 [°] 59	17 [°] 36	0 [°] 45	28 [°] 36	9 [°] 19	13 [°] 22	25 [°] 15	23 [°] 49	3 [°] 58	4 [°] 55
S 25	20 12 12	2 [°] 12'16	0 ^{II} 49	1 [♄] 37	17 [°] 38	15 [°] 38	17 [°] 45	0 [°] 53	28 [°] 40	9 [°] 20	13 [°] 22	25 [°] 17	23 [°] 45	4 [°] 4	4 [°] 53
S 26	20 16 9	3 [°] 9'41	14 [°] 56	3 [°] 42	18 [°] 31	16 [°] 18	17 [°] 53	1 [°] 0	28 [°] 44	9 [°] 21	13 [°] 23	25 [°] 18	23 [°] 42	4 [°] 11	4 [°] 50
M 27	20 20 6	4 [°] 7'06	29 [°] 28	5 [°] 47	19 [°] 24	16 [°] 57	18 [°] 1	1 [°] 7	28 [°] 47	9 [°] 22	13 [°] 23	25 [°] R18	23 [°] 39	4 [°] 18	4 [°] 48
T 28	20 24 2	5 [°] 4'33	14 ⁵⁸ 22	7 [°] 50	20 [°] 17	17 [°] 36	18 [°] 8	1 [°] 14	28 [°] 51	9 [°] 23	13 [°] 23	25 [°] 17	23 [°] 36	4 [°] 24	4 [°] 45
W 29	20 27 59	6 [°] 2'00	29 [°] 31	9 [°] 52	21 [°] 9	18 [°] 15	18 [°] 16	1 [°] 21	28 [°] 55	9 [°] 25	13 [°] 24	25 [°] 14	23 [°] 33	4 [°] 31	4 [°] 43
T 30	20 31 55	6 [°] 59'29	14 [♄] 46	11 [°] 53	22 [°] 0	18 [°] 54	18 [°] 23	1 [°] 27	28 [°] 58	9 [°] 26	13 [°] 24	25 [°] 9	23 [°] 30	4 [°] 38	4 [°] 40
F 31	20 35 52	7 [♄] 56'58	29 [♄] 57	13 [♄] 53	22 [♂] 51	19 ⁵⁸ 33	18 [♄] 31	1 ⁵⁸ 34	29 ⁵⁸ 2	9 [♂] 27	13 [♄] 24	25 [♂] 3	23 [♂] 26	4 [♂] 44	4 [♂] 38

Delta T = 118.80 sec. Greg. Calendar

AUGUST 1620G

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	20 39 48	8 [♄] 54'28	14 [♂] 53	15 [♄] 51	23 [♂] 41	20 ⁵⁸ 12	18 [♄] 38	1 ⁵⁸ 41	29 ⁵⁸ 6	9 [♂] 28	13 [♄] 24	24 [°] R56	23 [♂] 23	4 [♂] 51	4 [°] R35
S 2	20 43 45	9 [°] 51'59	29 [°] 27	17 [°] 47	24 [°] 30	20 [°] 51	18 [°] 45	1 [°] 48	29 [°] 9	9 [°] 30	13 [°] 25	24 [°] 50	23 [°] 20	4 [°] 58	4 [♂] 33
M 3	20 47 42	10 [°] 49'31	13 [♂] 33	19 [°] 43	25 [°] 18	21 [°] 30	18 [°] 52	1 [°] 55	29 [°] 13	9 [°] 31	13 [°] 25	24 [°] 46	23 [°] 17	5 [°] 4	4 [°] 30
T 4	20 51 38	11 [°] 47'04	27 [°] 11	21 [°] 36	26 [°] 6	22 [°] 9	18 [°] 58	2 [°] 1	29 [°] 16	9 [°] 32	13 [°] 25	24 [°] 43	23 [°] 14	5 [°] 11	4 [°] 28
W 5	20 55 35	12 [°] 44'38	10 [♂] 21	23 [°] 29	26 [°] 53	22 [°] 48	19 [°] 5	2 [°] 8	29 [°] 20	9 [°] 34	13 [°] 25	24 [°] D42	23 [°] 10	5 [°] 18	4 [°] 25
T 6	20 59 31	13 [°] 42'12	23 [°] 7	25 [°] 19	27 [°] 39	23 [°] 27	19 [°] 11	2 [°] 15	29 [°] 24	9 [°] 35	13 [°] 25	24 [°] 42	23 [°] 7	5 [°] 24	4 [°] 22
F 7	21 3 28	14 [°] 39'48	5 [♂] 33	27 [°] 9	28 [°] 24	24 [°] 5	19 [°] 17	2 [°] 21	29 [°] 27	9 [°] 37	13 [°] 25	24 [°] 43	23 [°] 4	5 [°] 31	4 [°] 19
S 8	21 7 24	15 [°] 37'24	17 [°] 43	28 [°] 56	29 [°] 9	24 [°] 44	19 [°] 23	2 [°] 27	29 [°] 31	9 [°] 38	13 [°] 26	24 [°] 44	23 [°] 1	5 [°] 38	4 [°] 17
S 9	21 11 21	16 [°] 35'02	29 [°] 42	0 [♂] 43	29 [°] 52	25 [°] 23	19 [°] 29	2 [°] 34	29 [°] 34	9 [°] 39	13 [°] 26	24 [°] R44	22 [°] 58	5 [°] 45	4 [°] 14
M 10	21 15 17	17 [°] 32'40	11 ⁵⁸ 34	2 [°] 27	0 [♂] 35	26 [°] 1	19 [°] 35	2 [°] 40	29 [°] 38	9 [°] 41	13 [°] 26	24 [°] 43	22 [°] 55	5 [°] 51	4 [°] 11
T 11	21 19 14	18 [°] 30'20	23 [°] 24	4 [°] 11	1 [°] 16	26 [°] 40	19 [°] 41	2 [°] 47	29 [°] 42	9 [°] 43	13 [°] 26	24 [°] 39	22 [°] 51	5 [°] 58	4 [°] 8
W 12	21 23 11	19 [°] 28'01	5 [♂] 13	5 [°] 53	1 [°] 57	27 [°] 19	19 [°] 46	2 [°] 53	29 [°] 45	9 [°] 44	13 [°] 26	24 [°] 33	22 [°] 48	6 [°] 5	4 [°] 6
T 13	21 27 7	20 [°] 25'43	17 [°] 4	7 [°] 33	2 [°] 36	27 [°] 57	19 [°] 51	2 [°] 59	29 [°] 49	9 [°] 46	13 [°] R26	24 [°] 25	22 [°] 45	6 [°] 11	4 [°] 3
F 14	21 31 4	21 [°] 23'27	29 [°] 0	9 [°] 12	3 [°] 15	28 [°] 36	19 [°] 56	3 [°] 5	29 [°] 52	9 [°] 47	13 [°] 26	24 [°] 15	22 [°] 42	6 [°] 18	4 [°] 0
S 15	21 35 0	22 [°] 21'12	11 [♂] 1	10 [°] 50	3 [°] 52	29 [°] 14	20 [°] 1	3 [°] 11	29 [°] 56	9 [°] 49	13 [°] 26	24 [°] 4	22 [°] 39	6 [°] 25	3 [°] 57
S 16	21 38 57	23 [°] 18'58	23 [°] 8	12 [°] 26	4 [°] 28	29 [°] 53	20 [°] 6	3 [°] 17	29 [°] 59	9 [°] 51	13 [°] 26	23 [°] 53	22 [°] 35	6 [°] 31	3 [°] 54
M 17	21 42 53	24 [°] 16'46	5 [♂] 24	14 [°] 1	5 [°] 3	0 [♄] 31	20 [°] 11	3 [°] 23	0 [♄] 3	9 [°] 52	13				

SWISS EPHEMERIS for the year 1620

SEPTEMBER 1620GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	22 42 2	8 ^h 47'21"	5 ^m 50	4 ^h 49	10 ^h 38	10 ^h 5	20 ^h 57	4 ^h 44	0 ^h 52	10 ^h 20	13 ^h R22	22 ^h R25	21 ^h 45	8 ^h 18	3 ^h R 7
W 2	22 45 58	9 ^h 45'37"	19 ^h 4	5 ^h 59	10 ^h 46	10 ^h 43	20 ^h 58	4 ^h 48	0 ^h 55	10 ^h 22	13 ^h 22	22 ^h 21	21 ^h 41	8 ^h 25	3 ^h R 4
T 3	22 49 55	10 ^h 43'55"	17 ^h 52	7 ^h 7	10 ^h 51	11 ^h 20	21 ^h 0	4 ^h 53	0 ^h 58	10 ^h 24	13 ^h 21	22 ^h 20	21 ^h 38	8 ^h 32	3 ^h 1
F 4	22 53 51	11 ^h 42'14"	14 ^h 18	8 ^h 14	10 ^h 54	11 ^h 58	21 ^h 1	4 ^h 58	1 ^h 1	10 ^h 26	13 ^h 21	22 ^h D20	21 ^h 35	8 ^h 38	2 ^h 59
S 5	22 57 48	12 ^h 40'34"	26 ^h 27	9 ^h 18	10 ^h R55	12 ^h 36	21 ^h 2	5 ^h 2	1 ^h 4	10 ^h 28	13 ^h 20	22 ^h R20	21 ^h 32	8 ^h 45	2 ^h 56
S 6	23 1 44	13 ^h 38'57"	8 ^h 24	10 ^h 19	10 ^h 53	13 ^h 14	21 ^h 3	5 ^h 7	1 ^h 7	10 ^h 30	13 ^h 20	22 ^h 19	21 ^h 29	8 ^h 52	2 ^h 53
M 7	23 5 41	14 ^h 37'20"	20 ^h 15	11 ^h 18	10 ^h 49	13 ^h 52	21 ^h 3	5 ^h 11	1 ^h 10	10 ^h 32	13 ^h 19	22 ^h 16	21 ^h 26	8 ^h 58	2 ^h 50
T 8	23 9 37	15 ^h 35'46"	28 ^h 4	12 ^h 15	10 ^h 43	14 ^h 30	21 ^h 3	5 ^h 15	1 ^h 13	10 ^h 34	13 ^h 19	22 ^h 11	21 ^h 22	9 ^h 5	2 ^h 47
W 9	23 13 34	16 ^h 34'13"	13 ^h 54	13 ^h 8	10 ^h 34	15 ^h 7	21 ^h R 4	5 ^h 19	1 ^h 16	10 ^h 36	13 ^h 18	22 ^h 3	21 ^h 19	9 ^h 12	2 ^h 44
T 10	23 17 31	17 ^h 32'42"	25 ^h 50	13 ^h 59	10 ^h 23	15 ^h 45	21 ^h 4	5 ^h 23	1 ^h 18	10 ^h 38	13 ^h 18	21 ^h 52	21 ^h 16	9 ^h 18	2 ^h 41
F 11	23 21 27	18 ^h 31'13"	7 ^h 52	14 ^h 46	10 ^h 9	16 ^h 23	21 ^h 3	5 ^h 27	1 ^h 21	10 ^h 40	13 ^h 17	21 ^h 39	21 ^h 13	9 ^h 25	2 ^h 39
S 12	23 25 24	19 ^h 29'45"	20 ^h 3	15 ^h 30	9 ^h 53	17 ^h 0	21 ^h 3	5 ^h 31	1 ^h 24	10 ^h 42	13 ^h 17	21 ^h 25	21 ^h 10	9 ^h 32	2 ^h 36
S 13	23 29 20	20 ^h 28'20"	2 ^h 24	16 ^h 10	9 ^h 35	17 ^h 38	21 ^h 2	5 ^h 35	1 ^h 27	10 ^h 44	13 ^h 16	21 ^h 11	21 ^h 7	9 ^h 39	2 ^h 33
M 14	23 33 17	21 ^h 26'56"	14 ^h 54	16 ^h 46	9 ^h 14	18 ^h 16	21 ^h 1	5 ^h 39	1 ^h 29	10 ^h 46	13 ^h 15	20 ^h 59	21 ^h 3	9 ^h 45	2 ^h 30
T 15	23 37 13	22 ^h 25'35"	27 ^h 34	17 ^h 17	8 ^h 52	18 ^h 53	21 ^h 0	5 ^h 42	1 ^h 32	10 ^h 49	13 ^h 15	20 ^h 49	21 ^h 0	9 ^h 52	2 ^h 28
W 16	23 41 10	23 ^h 24'15"	10 ^h 25	17 ^h 44	8 ^h 27	19 ^h 31	20 ^h 59	5 ^h 46	1 ^h 35	10 ^h 51	13 ^h 14	20 ^h 41	20 ^h 57	9 ^h 59	2 ^h 25
T 17	23 45 6	24 ^h 22'58"	23 ^h 28	18 ^h 5	8 ^h 0	20 ^h 8	20 ^h 58	5 ^h 49	1 ^h 37	10 ^h 53	13 ^h 13	20 ^h 37	20 ^h 54	10 ^h 5	2 ^h 22
F 18	23 49 3	25 ^h 21'43"	6 ^h 45	18 ^h 22	7 ^h 31	20 ^h 46	20 ^h 56	5 ^h 53	1 ^h 40	10 ^h 55	13 ^h 13	20 ^h 35	20 ^h 51	10 ^h 12	2 ^h 20
S 19	23 53 0	26 ^h 20'31"	20 ^h 16	18 ^h 32	7 ^h 1	21 ^h 23	20 ^h 54	5 ^h 56	1 ^h 42	10 ^h 57	13 ^h 12	20 ^h 35	20 ^h 47	10 ^h 19	2 ^h 17
S 20	23 56 56	27 ^h 19'21"	4 ^h 5	18 ^h R36	6 ^h 29	22 ^h 0	20 ^h 52	5 ^h 59	1 ^h 45	10 ^h 59	13 ^h 11	20 ^h 35	20 ^h 44	10 ^h 25	2 ^h 14
M 21	0 0 53	28 ^h 18'13"	18 ^h 11	18 ^h 33	5 ^h 56	22 ^h 38	20 ^h 50	6 ^h 2	1 ^h 47	11 ^h 2	13 ^h 11	20 ^h 34	20 ^h 41	10 ^h 32	2 ^h 12
T 22	0 4 49	29 ^h 17'08"	2 ^h 35	18 ^h 23	5 ^h 21	23 ^h 15	20 ^h 48	6 ^h 5	1 ^h 49	11 ^h 4	13 ^h 10	20 ^h 31	20 ^h 38	10 ^h 39	2 ^h 9
W 23	0 8 46	0 ^h 16'05"	17 ^h 13	18 ^h 6	4 ^h 46	23 ^h 53	20 ^h 45	6 ^h 8	1 ^h 52	11 ^h 6	13 ^h 9	20 ^h 25	20 ^h 35	10 ^h 45	2 ^h 7
T 24	0 12 42	1 ^h 15'04"	2 ^h 1	17 ^h 41	4 ^h 10	24 ^h 30	20 ^h 42	6 ^h 11	1 ^h 54	11 ^h 8	13 ^h 8	20 ^h 16	20 ^h 32	10 ^h 52	2 ^h 4
F 25	0 16 39	2 ^h 14'05"	16 ^h 51	17 ^h 9	3 ^h 34	25 ^h 7	20 ^h 39	6 ^h 13	1 ^h 56	11 ^h 10	13 ^h 7	20 ^h 6	20 ^h 28	10 ^h 59	2 ^h 2
S 26	0 20 35	3 ^h 13'08"	1 ^h 35	16 ^h 29	2 ^h 57	25 ^h 44	20 ^h 36	6 ^h 16	1 ^h 59	11 ^h 13	13 ^h 7	19 ^h 55	20 ^h 25	11 ^h 5	1 ^h 59
S 27	0 24 32	4 ^h 12'13"	16 ^h 4	15 ^h 42	2 ^h 20	26 ^h 22	20 ^h 32	6 ^h 18	2 ^h 1	11 ^h 15	13 ^h 6	19 ^h 44	20 ^h 22	11 ^h 12	1 ^h 57
M 28	0 28 28	5 ^h 11'21"	0 ^h 12	14 ^h 48	1 ^h 44	26 ^h 59	20 ^h 29	6 ^h 21	2 ^h 3	11 ^h 17	13 ^h 5	19 ^h 34	20 ^h 19	11 ^h 19	1 ^h 55
T 29	0 32 25	6 ^h 10'30"	13 ^h 54	13 ^h 48	1 ^h 7	27 ^h 36	20 ^h 25	6 ^h 23	2 ^h 5	11 ^h 19	13 ^h 4	19 ^h 27	20 ^h 16	11 ^h 26	1 ^h 53
W 30	0 36 22	7 ^h 9'41"	27 ^h 10	12 ^h 43	0 ^h 32	28 ^h 13	20 ^h 21	6 ^h 25	2 ^h 7	11 ^h 21	13 ^h 3	19 ^h 23	20 ^h 12	11 ^h 32	1 ^h 50

Delta T = 117.96 sec. Greg. Calendar

OCTOBER 1620GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	0 40 18	8 ^h 8'54"	10 ^h 7' 1	11 ^h R35	29 ^h R58	28 ^h 50	20 ^h R17	6 ^h 27	2 ^h 9	11 ^h 24	13 ^h R 2	19 ^h R21	20 ^h 7' 9	11 ^h 39	1 ^h R48
F 2	0 44 15	9 ^h 8'09"	22 ^h 29	10 ^h 24	29 ^h 24	29 ^h 27	20 ^h 13	6 ^h 29	2 ^h 11	11 ^h 26	13 ^h 1	19 ^h D20	20 ^h 6	11 ^h 46	1 ^h R46
S 3	0 48 11	10 ^h 7'26"	4 ^h 30	9 ^h 14	28 ^h 52	0 ^h 4	20 ^h 8	6 ^h 31	2 ^h 13	11 ^h 28	13 ^h 0	19 ^h R21	20 ^h 3	11 ^h 52	1 ^h 44
S 4	0 52 8	11 ^h 6'45"	16 ^h 38	8 ^h 5	28 ^h 22	0 ^h 41	20 ^h 3	6 ^h 32	2 ^h 15	11 ^h 30	13 ^h 0	19 ^h 21	20 ^h 0	11 ^h 59	1 ^h 42
M 5	0 56 4	12 ^h 6'05"	28 ^h 30	7 ^h 0	27 ^h 53	1 ^h 18	19 ^h 58	6 ^h 34	2 ^h 16	11 ^h 33	12 ^h 59	19 ^h 19	19 ^h 57	12 ^h 6	1 ^h 40
T 6	1 0 1	13 ^h 5'27"	10 ^h 20	6 ^h 0	27 ^h 26	1 ^h 55	19 ^h 53	6 ^h 36	2 ^h 18	11 ^h 35	12 ^h 58	19 ^h 16	19 ^h 53	12 ^h 12	1 ^h 38
W 7	1 3 57	14 ^h 4'51"	22 ^h 13	5 ^h 8	27 ^h 2	2 ^h 32	19 ^h 48	6 ^h 37	2 ^h 20	11 ^h 37	12 ^h 57	19 ^h 9	19 ^h 50	12 ^h 19	1 ^h 36
T 8	1 7 54	15 ^h 4'17"	4 ^h 12	4 ^h 25	26 ^h 39	3 ^h 8	19 ^h 43	6 ^h 38	2 ^h 22	11 ^h 39	12 ^h 56	19 ^h 1	19 ^h 47	12 ^h 26	1 ^h 34
F 9	1 11 51	16 ^h 3'44"	16 ^h 22	3 ^h 52	26 ^h 18	3 ^h 45	19 ^h 37	6 ^h 39	2 ^h 23	11 ^h 42	12 ^h 55	18 ^h 51	19 ^h 44	12 ^h 32	1 ^h 32
S 10	1 15 47	17 ^h 3'14"	28 ^h 44	3 ^h 29	26 ^h 0	4 ^h 22	19 ^h 32	6 ^h 40	2 ^h 25	11 ^h 44	12 ^h 54	18 ^h 39	19 ^h 41	12 ^h 39	1 ^h 30
S 11	1 19 44	18 ^h 2'45"	11 ^h 18	3 ^h 17	25 ^h 44	4 ^h 59	19 ^h 26	6 ^h 41	2 ^h 26	11 ^h 46	12 ^h 53	18 ^h 28	19 ^h 38	12 ^h 46	1 ^h 28
M 12	1 23 40	19 ^h 2'19"	24 ^h 6	3 ^h D17	25 ^h 31	5 ^h 35	19 ^h 20	6 ^h 42	2 ^h 28	11 ^h 48	12 ^h 52	18 ^h 17	19 ^h 34	12 ^h 53	1 ^h 27
T 13	1 27 37	20 ^h 1'54"	7 ^h 6	3 ^h 27	25 ^h 20	6 ^h 12	19 ^h 14	6 ^h 43	2 ^h 29	11 ^h 50	12 ^h 51	18 ^h 9	19 ^h 31	12 ^h 59	1 ^h 25
W 14	1 31 33	21 ^h 1'32"	20 ^h 18	3 ^h 48	25 ^h 11	6 ^h 48	19 ^h 7	6 ^h 43	2 ^h 30	11 ^h 53	12 ^h 50	18 ^h 3	19 ^h 28	13 ^h 6	1 ^h 23
T 15	1 35 30	22 ^h 1'12"	3 ^h 41	4 ^h 19	25 ^h 5	7 ^h 25	19 ^h 1	6 ^h 44	2 ^h 32	11 ^h 55	12 ^h 49	18 ^h 0	19 ^h 25	13 ^h 13	1 ^h 22
F 16	1 39 26	23 ^h 0'54"	17 ^h 13	4 ^h 59	25 ^h 2	8 ^h 2	18 ^h 54	6 ^h 44	2 ^h 33	11 ^h 57	12 ^h 48	17 ^h D59	19 ^h 22	13 ^h 19	1 ^h 20
S 17	1 43 23	24 ^h 0'38"	0 ^h 56	5 ^h 47	25 ^h D 1	8 ^h 38	18 ^h 48	6 ^h 44	2 ^h 34	11 ^h 59	12 ^h 47	18 ^h 0	19 ^h 18	13 ^h 26	1 ^h 19
S 18	1 47 20	25 ^h 0'25"	14 ^h 49	6 ^h 43	25 ^h 2	9 ^h 15	18 ^h 41	6 ^h 45	2 ^h						

SWISS EPHEMERIS for the year 1620

NOVEMBER 1620GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	2 42 31	9♉ 1'00	24♊30	26♋37	29♌ 6	17♍41	16°R55	6°R35	2♁46	12♂31	12°R30	17♎18	18♏31	15♐ 7	1°R 3
M 2	2 46 28	10° 1'15	6♋23	28°14	29°37	18°17	16♃47	6♄33	2°46	12°33	12♂29	17°R18	18°28	15°13	1♉ 3
T 3	2 50 24	11° 1'32	18°14	29°51	0♌ 9	18°53	16°39	6°32	2°47	12°35	12°28	17°18	18°24	15°20	1° 2
W 4	2 54 21	12° 1'51	0♍ 8	1♎28	0°43	19°28	16°31	6°30	2°47	12°37	12°27	17°16	18°21	15°27	1° 2
T 5	2 58 18	13° 2'11	12°10	3° 5	1°19	20° 4	16°23	6°28	2°47	12°39	12°26	17°13	18°18	15°33	1° 2
F 6	3 2 14	14° 2'33	24°23	4°42	1°56	20°40	16°14	6°26	2°47	12°41	12°25	17° 8	18°15	15°40	1° 1
S 7	3 6 11	15° 2'56	6♎51	6°19	2°34	21°15	16° 6	6°24	2°47	12°43	12°23	17° 3	18°12	15°47	1° 1
S 8	3 10 7	16° 3'20	19°36	7°56	3°13	21°51	15°58	6°22	2°R47	12°45	12°22	16°58	18° 9	15°53	1° 1
M 9	3 14 4	17° 3'46	2♊39	9°33	3°54	22°26	15°50	6°19	2°47	12°47	12°21	16°52	18° 5	16° 0	1° 1
T 10	3 18 0	18° 4'14	15°59	11° 9	4°35	23° 2	15°42	6°17	2°47	12°49	12°20	16°49	18° 2	16° 7	1° 1
W11	3 21 57	19° 4'43	29°35	12°46	5°18	23°37	15°34	6°15	2°47	12°51	12°19	16°46	17°59	16°14	1°D 1
T 12	3 25 53	20° 5'14	13♐24	14°22	6° 2	24°13	15°25	6°12	2°47	12°53	12°18	16°D45	17°56	16°20	1° 1
F 13	3 29 50	21° 5'47	27°23	15°58	6°47	24°48	15°17	6° 9	2°46	12°55	12°17	16°45	17°53	16°27	1° 1
S 14	3 33 47	22° 6'21	11♑29	17°34	7°33	25°23	15° 9	6° 7	2°46	12°57	12°16	16°46	17°49	16°34	1° 1
S 15	3 37 43	23° 6'57	25°40	19°10	8°20	25°58	15° 1	6° 4	2°46	12°58	12°14	16°48	17°46	16°40	1° 1
M16	3 41 40	24° 7'35	9♒52	20°45	9° 8	26°34	14°53	6° 1	2°45	13° 0	12°13	16°49	17°43	16°47	1° 1
T 17	3 45 36	25° 8'15	24° 3	22°20	9°57	27° 9	14°45	5°58	2°45	13° 2	12°12	16°R50	17°40	16°54	1° 2
W18	3 49 33	26° 8'56	8♎12	23°55	10°47	27°44	14°37	5°55	2°44	13° 4	12°11	16°49	17°37	17° 0	1° 2
T 19	3 53 29	27° 9'39	22°16	25°30	11°37	28°19	14°30	5°51	2°44	13° 6	12°10	16°48	17°34	17° 7	1° 3
F 20	3 57 26	28°10'23	6♌14	27° 5	12°29	28°54	14°22	5°48	2°43	13° 7	12° 9	16°46	17°30	17°14	1° 3
S 21	4 1 22	29°11'09	20° 2	28°40	13°21	29°29	14°14	5°45	2°42	13° 9	12° 8	16°43	17°27	17°21	1° 4
S 22	4 5 19	0♈11'57	3♉40	0♉14	14°13	0♌ 3	14° 7	5°41	2°42	13°11	12° 7	16°41	17°24	17°27	1° 4
M23	4 9 16	1°12'46	17° 4	1°49	15° 7	0°38	13°59	5°38	2°41	13°12	12° 6	16°39	17°21	17°34	1° 5
T 24	4 13 12	2°13'36	0♈14	3°23	16° 1	1°13	13°52	5°34	2°40	13°14	12° 5	16°37	17°18	17°41	1° 6
W25	4 17 9	3°14'28	13° 8	4°57	16°56	1°48	13°45	5°30	2°39	13°16	12° 4	16°D37	17°15	17°47	1° 7
T 26	4 21 5	4°15'21	25°46	6°31	17°51	2°22	13°37	5°26	2°38	13°17	12° 3	16°37	17°11	17°54	1° 8
F 27	4 25 2	5°16'15	8♊ 9	8° 5	18°47	2°57	13°30	5°23	2°37	13°19	12° 2	16°38	17° 8	18° 1	1° 9
S 28	4 28 58	6°17'09	20°19	9°39	19°44	3°31	13°23	5°19	2°36	13°20	12° 1	16°39	17° 5	18° 8	1°10
S 29	4 32 55	7°18'05	2♋19	11°13	20°41	4° 6	13°16	5°15	2°35	13°22	12° 0	16°40	17° 2	18°14	1°11
M30	4 36 51	8♌19'01	14♋12	12♌48	21♌39	4♌40	13♂10	5♄10	2♁34	13♂23	11♂59	16♎41	16♏59	18♐21	1♉12

Delta T = 117.12 sec. Greg. Calendar

DECEMBER 1620GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	4 40 48	9♌19'59	26♋ 3	14♎22	22♏37	5♐14	13°R 3	5°R 6	2°R32	13♂25	11°R58	16♎41	16♏55	18♐28	1♉13
W 2	4 44 45	10°20'57	7♉56	15°56	23°36	5°48	12♂57	5♄ 2	2♁31	13°26	11♂57	16°R41	16°52	18°34	1°14
T 3	4 48 41	11°21'55	19°56	17°30	24°35	6°22	12°50	4°58	2°30	13°27	11°56	16°41	16°49	18°41	1°15
F 4	4 52 38	12°22'54	2♎ 8	19° 4	25°35	6°56	12°44	4°53	2°28	13°29	11°55	16°41	16°46	18°48	1°17
S 5	4 56 34	13°23'54	14°36	20°38	26°35	7°30	12°38	4°49	2°27	13°30	11°54	16°41	16°43	18°54	1°18
S 6	5 0 31	14°24'54	27°23	22°12	27°36	8° 4	12°32	4°45	2°26	13°31	11°53	16°40	16°40	19° 1	1°20
M 7	5 4 27	15°25'55	10♊32	23°46	28°37	8°38	12°27	4°40	2°24	13°33	11°52	16°40	16°36	19° 8	1°21
T 8	5 8 24	16°26'57	24° 4	25°20	29°38	9°12	12°21	4°35	2°23	13°34	11°51	16°D40	16°33	19°15	1°23
W 9	5 12 20	17°28'00	7♐58	26°55	0♎40	9°45	12°16	4°31	2°21	13°35	11°50	16°40	16°30	19°21	1°24
T 10	5 16 17	18°29'03	22°11	28°29	1°42	10°19	12°11	4°26	2°19	13°36	11°49	16°R40	16°27	19°28	1°26
F 11	5 20 14	19°30'06	6♄39	0♊ 3	2°45	10°53	12° 6	4°22	2°18	13°38	11°48	16°40	16°24	19°35	1°28
S 12	5 24 10	20°31'11	21°15	1°38	3°48	11°26	12° 1	4°17	2°16	13°39	11°48	16°40	16°21	19°41	1°30
S 13	5 28 7	21°32'16	5♒54	3°12	4°51	11°59	11°56	4°12	2°14	13°40	11°47	16°39	16°17	19°48	1°32
M14	5 32 3	22°33'22	20°29	4°46	5°55	12°33	11°51	4° 7	2°12	13°41	11°46	16°39	16°14	19°55	1°33
T 15	5 36 0	23°34'29	4♎54	6°20	6°59	13° 6	11°47	4° 2	2°11	13°42	11°45	16°38	16°11	20° 2	1°35
W16	5 39 56	24°35'36	19° 7	7°54	8° 4	13°39	11°43	3°58	2° 9	13°43	11°44	16°D38	16° 8	20° 8	1°37
T 17	5 43 53	25°36'44	3♌ 6	9°27	9° 8	14°12	11°39	3°53	2° 7	13°44	11°44	16°38	16° 5	20°15	1°40
F 18	5 47 49	26°37'53	16°49	11° 0	10°13	14°45	11°35	3°48	2° 5	13°45	11°43	16°38	16° 1	20°22	1°42
S 19	5 51 46	27°39'03	0♎16	12°33	11°18	15°18	11°32	3°43	2° 3	13°46	11°42	16°39	15°58	20°28	1°44
S 20	5 55 43	28°40'13	13°29	14° 5	12°24	15°50	11°28	3°38	2° 1	13°47	11°41	16°40	15°55	20°35	1°46
M21	5 59 39	29°41'23	26°27	15°37	13°30	16°23	11°25	3°33	1°59	13°47	11°41	16°41	15°52	20°42	1°48
T 22	6 3 36	0♈42'35	9♌13	17° 7	14°36	16°56	11°22	3°28	1°57	13°48	11°40	16°42	15°49	20°49	1°51
W23	6 7 32	1°43'46	21°47	18°36	15°42	17°28	11°19	3°23	1°55	13°49	11°39	16°R42	15°46	20°55	1°53
T 24	6 11 29	2°44'58	4♊10	20° 4	16°48	18° 0	11°17	3°18	1°52	13°50	11°39	16°41	15°42	21° 2	1°55
F 25	6 15 25	3°46'10	16°23	21°30	17°55	18°33	11°14	3°13	1°50	13°51	11°38	16°40	15°39	21° 9	1°58
S 26	6 19 22	4°47'22	28°27	22°54	19° 2	19° 5	11°12	3° 8	1°48	13°51	11°37	16°37	15°36	21°15	2° 0
S 27	6 23 19	5°48'33	10♋25	24°16	20° 9	19°37	11°10	3° 3	1°46	13°52	11°37	16°34	15°33	21°22	2° 3
M28	6 27 15	6°49'45	22°17	25°34	21°17	20° 9	11° 9	2°58	1°43	13°53	11°36	16°30	15°30	21°29	2° 6
T 29	6 31 12	7°50'56	4♉ 7	26°49	22°24	20°40	11° 7	2°53	1°41	13°53	11°36	16°27	15°27	21°35	2° 8
W30	6 35 8	8°52'07	16° 0	28° 0	23°32	21°12	11° 6	2°48	1°39	13°54	11°35	16°24	15°23	21°42	2°11
T 31	6 39 5	9♊53'18	27♉57	29♊ 7	24♎40	21♌44	11♂ 5	2♄44	1♁36	13♂54	11♂34	16♎23	15♏20	21♐49	2♉14

Delta T = 116.71 sec. Greg. Calendar

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