

SWISS EPHEMERIS for the year 1716

JANUARY 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	6 39 2	9°38'56	22°31'3	20°27'0	22°28'29	27°28'13	16°R37	6°54	26°R 5	8°R48	10°R24	8°R59	7°M56	17°M24	26°M43
T 2	6 42 59	10°50'07	5°V43	21°22	23°44	28° 0	16°S35	6°56	26°M 5	8°R47	10°M24	8°D57	7°53	17°31	26°46
F 3	6 46 55	11°51'16	19°37	22°45	25° 0	28°46	16°33	6°57	26° 5	8°47	10°23	8°M57	7°50	17°38	26°49
S 4	6 50 52	12°52'26	3°R45	24°10	26°15	29°33	16°32	6°59	26° 4	8°46	10°23	8°R58	7°46	17°44	26°52
S 5	6 54 48	13°53'35	18° 7	25°35	27°30	0°H19	16°30	7° 0	26° 4	8°46	10°22	8°57	7°43	17°51	26°55
M 6	6 58 45	14°54'43	2°II39	27° 1	28°45	1° 5	16°29	7° 1	26° 4	8°45	10°21	8°55	7°40	17°57	26°59
T 7	7 2 41	15°55'51	17°18	28°27	0°M 1	1°52	16°28	7° 2	26° 4	8°45	10°20	8°50	7°37	18° 4	27° 2
W 8	7 6 38	16°56'59	1°E58	29°54	1°16	2°38	16°27	7° 3	26° 3	8°44	10°20	8°43	7°34	18°11	27° 5
T 9	7 10 34	17°58'06	16°31	1°Z22	2°31	3°25	16°27	7° 4	26° 3	8°44	10°19	8°33	7°31	18°17	27° 9
F 10	7 14 31	18°59'13	0°Q50	2°51	3°46	4°11	16°26	7° 5	26° 2	8°44	10°18	8°21	7°27	18°24	27°12
S 11	7 18 28	20° 0'19	14°50	4°20	5° 1	4°57	16°D26	7° 6	26° 2	8°43	10°17	8°10	7°24	18°31	27°16
S 12	7 22 24	21° 1'25	28°25	5°50	6°17	5°44	16°26	7° 6	26° 1	8°43	10°16	7°59	7°21	18°37	27°19
M13	7 26 21	22° 2'31	11°M35	7°20	7°32	6°30	16°26	7° 7	26° 1	8°43	10°15	7°50	7°18	18°44	27°23
T 14	7 30 17	23° 3'36	24°20	8°51	8°47	7°16	16°27	7° 7	26° 0	8°43	10°14	7°44	7°15	18°51	27°26
W15	7 34 14	24° 4'41	6°E43	10°22	10° 2	8° 2	16°27	7° 7	25°59	8°42	10°13	7°41	7°11	18°57	27°30
T 16	7 38 10	25° 5'46	18°49	11°54	11°17	8°49	16°28	7° 8	25°58	8°42	10°13	7°40	7° 8	19° 4	27°33
F 17	7 42 7	26° 6'50	0°M43	13°27	12°32	9°35	16°29	7°R 8	25°58	8°42	10°12	7°D39	7° 5	19°11	27°37
S 18	7 46 3	27° 7'54	12°31	15° 0	13°47	10°21	16°30	7° 7	25°57	8°42	10°10	7°R39	7° 2	19°17	27°41
S 19	7 50 0	28° 8'58	24°18	16°34	15° 2	11° 7	16°32	7° 7	25°56	8°42	10° 9	7°38	6°59	19°24	27°44
M20	7 53 57	29°10'01	6°X10	18° 8	16°17	11°53	16°34	7° 7	25°55	8°D42	10° 8	7°35	6°56	19°31	27°48
T 21	7 57 53	0°M11'04	18°11	19°43	17°32	12°40	16°35	7° 7	25°54	8°42	10° 7	7°29	6°52	19°37	27°52
W22	8 1 50	1°12'06	0°Z24	21°18	18°48	13°26	16°37	7° 6	25°52	8°42	10° 6	7°21	6°49	19°44	27°56
T 23	8 5 46	2°13'07	12°52	22°54	20° 3	14°12	16°40	7° 5	25°51	8°42	10° 5	7° 9	6°46	19°51	28° 0
F 24	8 9 43	3°14'07	25°36	24°31	21°18	14°58	16°42	7° 5	25°50	8°42	10° 4	6°56	6°43	19°57	28° 3
S 25	8 13 39	4°15'07	8°M35	26° 8	22°33	15°44	16°45	7° 4	25°49	8°43	10° 3	6°42	6°40	20° 4	28° 7
S 26	8 17 36	5°16'06	21°50	27°47	23°48	16°30	16°48	7° 3	25°48	8°43	10° 1	6°29	6°37	20°10	28°11
M27	8 21 32	6°17'03	5°H17	29°25	25° 2	17°16	16°51	7° 2	25°46	8°43	10° 0	6°17	6°33	20°17	28°15
T 28	8 25 29	7°17'59	18°54	1°M 5	26°17	18° 2	16°54	7° 1	25°45	8°43	9°59	6° 8	6°30	20°24	28°19
W29	8 29 26	8°18'54	2°V39	2°45	27°32	18°48	16°57	6°59	25°43	8°44	9°58	6° 2	6°27	20°30	28°23
T 30	8 33 22	9°19'48	16°30	4°26	28°47	19°34	17° 1	6°58	25°42	8°44	9°56	5°59	6°24	20°37	28°27
F 31	8 37 19	10°20'40	0°B27	6°M 7	0°H 2	20°H20	17°S 5	6°57	25°M40	8°R44	9°M55	5°M58	6°M21	20°M44	28°M31

Delta T = 8.96 sec.

Greg. Calendar

FEBRUARY 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	8 41 15	11°21'31	14°B30	7°M49	1°H17	21°H 6	17°B 9	6°R55	25°R39	8°B45	9°R54	5°R58	6°M17	20°M50	28°M35
S 2	8 45 12	12°22'21	28°37	9°32	2°32	21°52	17°13	6°53	25°M37	8°45	9°M52	5°M58	6°14	20°57	28°39
M 3	8 49 8	13°23'09	12°II48	11°16	3°46	22°37	17°18	6°52	25°35	8°46	9°51	5°55	6°11	21° 4	28°43
T 4	8 53 5	14°23'55	27° 1	13° 1	5° 1	23°23	17°22	6°50	25°34	8°46	9°50	5°50	6° 8	21°10	28°47
W 5	8 57 1	15°24'40	11°E12	14°46	6°16	24° 9	17°27	6°48	25°32	8°47	9°48	5°42	6° 5	21°17	28°51
T 6	9 0 58	16°25'23	25°19	16°32	7°30	24°55	17°32	6°46	25°30	8°47	9°47	5°31	6° 2	21°24	28°55
F 7	9 4 55	17°26'05	9°Q15	18°19	8°45	25°40	17°37	6°44	25°28	8°48	9°45	5°19	5°58	21°30	28°59
S 8	9 8 51	18°26'46	22°56	20° 6	10° 0	26°26	17°42	6°41	25°26	8°49	9°44	5° 7	5°55	21°37	29° 3
S 9	9 12 48	19°27'25	6°M19	21°55	11°14	27°11	17°48	6°39	25°24	8°49	9°43	4°55	5°52	21°44	29° 7
M10	9 16 44	20°28'03	19°22	23°44	12°29	27°57	17°53	6°37	25°22	8°50	9°41	4°45	5°49	21°50	29°11
T 11	9 20 41	21°28'39	2°E 4	25°33	13°43	28°43	17°59	6°34	25°21	8°51	9°40	4°38	5°46	21°57	29°15
W12	9 24 37	22°29'15	14°27	27°23	14°58	29°28	18° 5	6°31	25°18	8°52	9°38	4°34	5°42	22° 4	29°19
T 13	9 28 34	23°29'49	26°34	29°14	16°12	0°V13	18°11	6°29	25°16	8°52	9°37	4°32	5°39	22°10	29°23
F 14	9 32 30	24°30'21	8°M30	1°H 5	17°27	0°59	18°17	6°26	25°14	8°53	9°35	4°D32	5°36	22°17	29°28
S 15	9 36 27	25°30'53	20°19	2°57	18°41	1°44	18°24	6°23	25°12	8°54	9°34	4°R32	5°33	22°23	29°32
S 16	9 40 24	26°31'23	2°X 7	4°48	19°56	2°30	18°31	6°20	25°10	8°55	9°32	4°32	5°30	22°30	29°36
M17	9 44 20	27°31'52	14° 0	6°40	21°10	3°15	18°37	6°17	25° 8	8°56	9°31	4°31	5°27	22°37	29°40
T 18	9 48 17	28°32'19	26° 3	8°31	22°24	4° 0	18°44	6°14	25° 6	8°57	9°29	4°27	5°23	22°43	29°44
W19	9 52 13	29°32'46	8°Z20	10°22	23°38	4°45	18°51	6°11	25° 3	8°58	9°28	4°21	5°20	22°50	29°48
T 20	9 56 10	0°H33'10	20°55	12°12	24°53	5°31	18°59	6° 7	25° 1	8°59	9°26	4°12	5°17	22°57	29°52
F 21	10 0 6	1°33'34	3°M30	14° 2	26° 7	6°16	19° 6	6° 4	24°59	9° 0	9°24	4° 2	5°14	23° 3	29°56
S 22	10 4 3	2°33'55	17° 5	15°49	27°21	7° 1	19°14	6° 0	24°56	9° 1	9°23	3°51	5°11	23°10	0°H 0
S 23	10 7 59	3°34'15	0°H40	17°35	28°35	7°46	19°21	5°57	24°54	9° 2	9°21	3°40	5° 8	23°17	0° 5
M24	10 11 56	4°34'33	14°32	19°19	29°49	8°31	19°29	5°53	24°52	9° 4	9°20	3°31	5° 4	23°23	0° 9
T 25	10 15 53	5°34'50	28°35	21° 0	1°V 3	9°16	19°37	5°50	24°49	9° 5	9°18	3°24	5° 1	23°30	0°13
W26	10 19 49	6°35'04	12°V47	22°38	2°17	10° 1	19°45	5°46	24°47	9° 6	9°17	3°20	4°58	23°37	0°17
T 27	10 23 46	7°35'17	27° 1	24°12	3°31	10°46	19°54	5°42	24°44	9° 7	9°15	3°D18	4°55	23°43	0°21
F 28	10 27 42	8°35'27	11°B16	25°41	4°45	11°31	20° 2	5°38	24°42	9° 9	9°13	3°18	4°52	23°50	0°25
S 29	10 31 39	9°35'35	25°B28	27°H 6	5°V59	12°V16	20°H10	5°34	24°M40	9°R10	9°M12	3°M19	4°M48	23°M57	0°H29

Delta T = 9.03 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1716

MARCH 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	10 35 35	10 ^h 35'42	9 ^h 36'	28 ^h 25'	7 ^h 13'	13 ^h 1'	20 ^h 19'	5 ^h R30	24 ^h R37	9 ^h 11'	9 ^h R10	3 ^h R19	4 ^h M45	24 ^h M 3	0 ^h X33
M 2	10 39 32	11 ^h 35'46	23 ^h 38'	29 ^h 38'	8 ^h 27'	13 ^h 45'	20 ^h 28'	5 ^h 26'	24 ^h M35	9 ^h 13'	9 ^h M 9	3 ^h M19	4 ^h 42	24 ^h 10	0 ^h 37
T 3	10 43 28	12 ^h 35'48	7 ^h 34'	0 ^h Y45	9 ^h 40'	14 ^h 30'	20 ^h 37'	5 ^h 22'	24 ^h 32	9 ^h 14'	9 ^h 7	3 ^h 16	4 ^h 39	24 ^h 17	0 ^h 41
W 4	10 47 25	13 ^h 35'48	21 ^h 23'	1 ^h 44'	10 ^h 54'	15 ^h 15'	20 ^h 46'	5 ^h 18'	24 ^h 29	9 ^h 15'	9 ^h 6	3 ^h 11	4 ^h 36	24 ^h 23	0 ^h 45
T 5	10 51 21	14 ^h 35'45	5 ^h Ω 3	2 ^h 36'	12 ^h 8'	15 ^h 59'	20 ^h 55'	5 ^h 14'	24 ^h 27	9 ^h 17'	9 ^h 4	3 ^h 4	4 ^h 33	24 ^h 30	0 ^h 49
F 6	10 55 18	15 ^h 35'41	18 ^h 31'	3 ^h 20'	13 ^h 21'	16 ^h 44'	21 ^h 4'	5 ^h 10'	24 ^h 24	9 ^h 18'	9 ^h 2	2 ^h 56	4 ^h 29	24 ^h 37	0 ^h 53
S 7	10 59 15	16 ^h 35'34	1 ^h M47	3 ^h 55'	14 ^h 35'	17 ^h 28'	21 ^h 14'	5 ^h 5'	24 ^h 22	9 ^h 20'	9 ^h 1	2 ^h 48	4 ^h 26	24 ^h 43	0 ^h 57
S 8	11 3 11	17 ^h 35'25	14 ^h 49'	4 ^h 22'	15 ^h 48'	18 ^h 13'	21 ^h 23'	5 ^h 1'	24 ^h 19	9 ^h 21'	8 ^h 59	2 ^h 40	4 ^h 23	24 ^h 50	1 ^h 1
M 9	11 7 8	18 ^h 35'14	27 ^h 35'	4 ^h 41'	17 ^h 2'	18 ^h 57'	21 ^h 33'	4 ^h 57'	24 ^h 17	9 ^h 23'	8 ^h 58	2 ^h 34	4 ^h 20	24 ^h 56	1 ^h 5
T 10	11 11 4	19 ^h 35'02	10 ^h Δ 5	4 ^h 50'	18 ^h 15'	19 ^h 42'	21 ^h 43'	4 ^h 52'	24 ^h 14	9 ^h 25'	8 ^h 56	2 ^h 29	4 ^h 17	25 ^h 3	1 ^h 9
W 11	11 15 1	20 ^h 34'47	22 ^h 22'	4 ^h R51	19 ^h 28'	20 ^h 26'	21 ^h 53'	4 ^h 48'	24 ^h 11	9 ^h 26'	8 ^h 55	2 ^h 27	4 ^h 13	25 ^h 10	1 ^h 13
T 12	11 18 57	21 ^h 34'31	4 ^h M26	4 ^h 44'	20 ^h 42'	21 ^h 10'	22 ^h 3'	4 ^h 43'	24 ^h 9	9 ^h 28'	8 ^h 53	2 ^h D26	4 ^h 10	25 ^h 16	1 ^h 17
F 13	11 22 54	22 ^h 34'13	16 ^h 20'	4 ^h 29'	21 ^h 55'	21 ^h 55'	22 ^h 13'	4 ^h 39'	24 ^h 6	9 ^h 29'	8 ^h 52	2 ^h 27	4 ^h 7	25 ^h 23	1 ^h 21
S 14	11 26 50	23 ^h 33'53	28 ^h 10'	4 ^h 6'	23 ^h 8'	22 ^h 39'	22 ^h 23'	4 ^h 34'	24 ^h 4	9 ^h 31'	8 ^h 50	2 ^h 29	4 ^h 4	25 ^h 30	1 ^h 25
S 15	11 30 47	24 ^h 33'31	9 ^h Δ59	3 ^h 36'	24 ^h 21'	23 ^h 23'	22 ^h 33'	4 ^h 30'	24 ^h 1	9 ^h 33'	8 ^h 49	2 ^h 30	4 ^h 1	25 ^h 36	1 ^h 29
M 16	11 34 44	25 ^h 33'08	21 ^h 52'	2 ^h 59'	25 ^h 34'	24 ^h 7'	22 ^h 44'	4 ^h 25'	23 ^h 58	9 ^h 34'	8 ^h 47	2 ^h R31	3 ^h 58	25 ^h 43	1 ^h 33
T 17	11 38 40	26 ^h 32'43	3 ^h Σ54	2 ^h 18'	26 ^h 47'	24 ^h 51'	22 ^h 54'	4 ^h 20'	23 ^h 56	9 ^h 36'	8 ^h 46	2 ^h 31	3 ^h 54	25 ^h 50	1 ^h 37
W 18	11 42 37	27 ^h 32'16	16 ^h 11'	1 ^h 32'	28 ^h 0'	25 ^h 35'	23 ^h 5'	4 ^h 16'	23 ^h 53	9 ^h 38'	8 ^h 44	2 ^h 29	3 ^h 51	25 ^h 56	1 ^h 40
T 19	11 46 33	28 ^h 31'47	28 ^h 47'	0 ^h 42'	29 ^h 13'	26 ^h 19'	23 ^h 16'	4 ^h 11'	23 ^h 51	9 ^h 40'	8 ^h 43	2 ^h 26	3 ^h 48	26 ^h 3	1 ^h 44
F 20	11 50 30	29 ^h 31'17	11 ^h ∞44	29 ^h Δ51	0 ^h Σ26	27 ^h 3'	23 ^h 27'	4 ^h 6'	23 ^h 48	9 ^h 42'	8 ^h 41	2 ^h 22	3 ^h 45	26 ^h 10	1 ^h 48
S 21	11 54 26	0 ^h Y30'45	25 ^h 6'	28 ^h 58'	1 ^h 38'	27 ^h 47'	23 ^h 38'	4 ^h 2'	23 ^h 45	9 ^h 43'	8 ^h 40	2 ^h 17	3 ^h 42	26 ^h 16	1 ^h 52
S 22	11 58 23	1 ^h 30'10	8 ^h Δ52	28 ^h 5'	2 ^h 51'	28 ^h 31'	23 ^h 49'	3 ^h 57'	23 ^h 43	9 ^h 45'	8 ^h 38	2 ^h 12	3 ^h 39	26 ^h 23	1 ^h 55
M 23	12 2 19	2 ^h 29'34	22 ^h 59'	27 ^h 13'	4 ^h 4'	29 ^h 15'	24 ^h 0'	3 ^h 52'	23 ^h 40	9 ^h 47'	8 ^h 37	2 ^h 7	3 ^h 35	26 ^h 30	1 ^h 59
T 24	12 6 16	3 ^h 28'56	7 ^h Y24	26 ^h 23'	5 ^h 16'	29 ^h 58'	24 ^h 11'	3 ^h 48'	23 ^h 38	9 ^h 49'	8 ^h 35	2 ^h 4	3 ^h 32	26 ^h 36	2 ^h 3
W 25	12 10 13	4 ^h 28'16	22 ^h 1'	25 ^h 36'	6 ^h 29'	0 ^h Σ42	24 ^h 22'	3 ^h 43'	23 ^h 35	9 ^h 51'	8 ^h 34	2 ^h 3	3 ^h 29	26 ^h 43	2 ^h 6
T 26	12 14 9	5 ^h 27'33	6 ^h Σ43	24 ^h 53'	7 ^h 41'	1 ^h 26'	24 ^h 34'	3 ^h 38'	23 ^h 32	9 ^h 53'	8 ^h 33	2 ^h D 2	3 ^h 26	26 ^h 50	2 ^h 10
F 27	12 18 6	6 ^h 26'49	21 ^h 23'	24 ^h 14'	8 ^h 53'	2 ^h 9'	24 ^h 45'	3 ^h 34'	23 ^h 30	9 ^h 55'	8 ^h 31	2 ^h 3	3 ^h 23	26 ^h 56	2 ^h 13
S 28	12 22 2	7 ^h 26'02	5 ^h II56	23 ^h 40'	10 ^h 6'	2 ^h 53'	24 ^h 57'	3 ^h 29'	23 ^h 27	9 ^h 57'	8 ^h 30	2 ^h 5	3 ^h 19	27 ^h 3	2 ^h 17
S 29	12 25 59	8 ^h 25'13	20 ^h 17'	23 ^h 10'	11 ^h 18'	3 ^h 36'	25 ^h 8'	3 ^h 24'	23 ^h 25	9 ^h 59'	8 ^h 29	2 ^h 6	3 ^h 16	27 ^h 10	2 ^h 20
M 30	12 29 55	9 ^h 24'22	4 ^h Σ25	22 ^h 46'	12 ^h 30'	4 ^h 20'	25 ^h 20'	3 ^h 20'	23 ^h 22	10 ^h 1'	8 ^h 27	2 ^h R 7	3 ^h 13	27 ^h 16	2 ^h 24
T 31	12 33 52	10 ^h Y23'28	18 ^h Σ18	22 ^h Δ28	13 ^h Σ42	5 ^h Σ 3	25 ^h Σ32	3 ^h Δ15	23 ^h M20	10 ^h Σ 3	8 ^h M26	2 ^h M 7	3 ^h M10	27 ^h M23	2 ^h Δ27

Delta T = 9.11 sec.

Greg. Calendar

APRIL 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	12 37 48	11 ^h Y22'32	1 ^h Ω55	22 ^h R15	14 ^h Σ54	5 ^h Σ47	25 ^h Σ44	3 ^h R10	23 ^h R18	10 ^h Σ 5	8 ^h R25	2 ^h R 5	3 ^h M 7	27 ^h M30	2 ^h Δ31
T 2	12 41 45	12 ^h 21'33	15 ^h 16'	22 ^h Σ 8	16 ^h 6'	6 ^h 30'	25 ^h 56'	3 ^h Δ 6	23 ^h M15	10 ^h 7	8 ^h M23	2 ^h M 3	3 ^h 4	27 ^h 36	2 ^h 34
F 3	12 45 41	13 ^h 20'32	28 ^h 23'	22 ^h D 6	17 ^h 18'	7 ^h 13'	26 ^h 8'	3 ^h 1'	23 ^h 13	10 ^h 9	8 ^h 22	2 ^h 1	3 ^h 0	27 ^h 43	2 ^h 38
S 4	12 49 38	14 ^h 19'29	11 ^h M16	22 ^h 10'	18 ^h 30'	7 ^h 56'	26 ^h 20'	2 ^h 57'	23 ^h 10	10 ^h 11	8 ^h 21	1 ^h 58	2 ^h 57	27 ^h 50	2 ^h 41
S 5	12 53 35	15 ^h 18'24	23 ^h 55'	22 ^h 19'	19 ^h 41'	8 ^h 40'	26 ^h 32'	2 ^h 52'	23 ^h 8	10 ^h 13	8 ^h 20	1 ^h 56	2 ^h 54	27 ^h 56	2 ^h 44
M 6	12 57 31	16 ^h 17'16	6 ^h Δ22	22 ^h 33'	20 ^h 53'	9 ^h 23'	26 ^h 44'	2 ^h 48'	23 ^h 6	10 ^h 15	8 ^h 19	1 ^h 54	2 ^h 51	28 ^h 3	2 ^h 47
T 7	13 1 28	17 ^h 16'07	18 ^h 37'	22 ^h 52'	22 ^h 5'	10 ^h 6'	26 ^h 57'	2 ^h 43'	23 ^h 3	10 ^h 17	8 ^h 17	1 ^h 52	2 ^h 48	28 ^h 9	2 ^h 51
W 8	13 5 24	18 ^h 14'55	0 ^h M43	23 ^h 15'	23 ^h 16'	10 ^h 49'	27 ^h 9'	2 ^h 39'	23 ^h 1	10 ^h 19	8 ^h 16	1 ^h D52	2 ^h 45	28 ^h 16	2 ^h 54
T 9	13 9 21	19 ^h 13'42	12 ^h 41'	23 ^h 43'	24 ^h 27'	11 ^h 32'	27 ^h 22'	2 ^h 34'	22 ^h 59	10 ^h 21	8 ^h 15	1 ^h 52	2 ^h 41	28 ^h 23	2 ^h 57
F 10	13 13 17	20 ^h 12'27	24 ^h 33'	24 ^h 16'	25 ^h 39'	12 ^h 15'	27 ^h 34'	2 ^h 30'	22 ^h 56	10 ^h 24	8 ^h 14	1 ^h 53	2 ^h 38	28 ^h 29	3 ^h 0
S 11	13 17 14	21 ^h 11'10	6 ^h Δ22	24 ^h 52'	26 ^h 50'	12 ^h 58'	27 ^h 47'	2 ^h 26'	22 ^h 54	10 ^h 26	8 ^h 13	1 ^h 54	2 ^h 35	28 ^h 36	3 ^h 3
S 12	13 21 10	22 ^h 9'51	18 ^h 11'	25 ^h 32'	28 ^h 1'	13 ^h 40'	27 ^h 59'	2 ^h 21'	22 ^h 52	10 ^h 28	8 ^h 12	1 ^h 55	2 ^h 32	28 ^h 43	3 ^h 6
M 13	13 25 7	23 ^h 8'30	0 ^h Σ 5	26 ^h 16'	29 ^h 12'	14 ^h 23'	28 ^h 12'	2 ^h 17'	22 ^h 50	10 ^h 30	8 ^h 11	1 ^h 56	2 ^h 29	28 ^h 49	3 ^h 9
T 14	13 29 4	24 ^h 7'08	12 ^h 7'	27 ^h 4'	0 ^h II23	15 ^h 6'	28 ^h 25'	2 ^h 13'	22 ^h 48	10 ^h 32	8 ^h 10	1 ^h 57	2 ^h 25	28 ^h 56	3 ^h 12
W 15	13 33 0	25 ^h 5'44	24 ^h 22'	27 ^h 55'	1 ^h 34'	15 ^h 49'	28 ^h 37'	2 ^h 9'	22 ^h 46	10 ^h 34	8 ^h 9	1 ^h R57	2 ^h 22	29 ^h 3	3 ^h 15
T 16	13 36 57	26 ^h 4'18	6 ^h Σ55	28 ^h 49'	2 ^h 45'	16 ^h 31'	28 ^h 50'	2 ^h 5'	22 ^h 44	10 ^h 37	8 ^h 8	1 ^h 57	2 ^h 19	29 ^h 9	3 ^h 18
F 17	13 40 53	27 ^h 2'51	19 ^h 49'	29 ^h 46'	3 ^h 55'	17 ^h 14'	29 ^h 3'	2 ^h 1'	22 ^h						

SWISS EPHEMERIS for the year 1716

MAY 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
F 1	14 36 5	10♈39'20	8♎18	17♍30	20♎14	27♈6	2♎9	1°R11	22°R17	11♈10	7°R57	1♎55	1♎31	0♌49	3♈55
S 2	14 40 2	11°37'24	20°56	19° 2	21°23	27°48	2°22	1♌8	22♎16	11°12	7♎56	1°55	1°28	0°56	3°57
S 3	14 43 58	12°35'27	3♌19	20°36	22°32	28°29	2°36	1° 5	22°15	11°15	7°56	1°56	1°25	1° 3	3°59
M 4	14 47 55	13°33'27	15°30	22°12	23°41	29°11	2°49	1° 2	22°13	11°17	7°55	1°57	1°22	1° 9	4° 1
T 5	14 51 51	14°31'26	27°33	23°51	24°50	29°53	3° 3	0°59	22°12	11°19	7°55	1°R58	1°19	1°16	4° 3
W 6	14 55 48	15°29'24	9♎29	25°31	25°58	0♎35	3°17	0°57	22°11	11°21	7°54	1°58	1°16	1°23	4° 5
T 7	14 59 44	16°27'19	21°20	27°13	27° 7	1°16	3°30	0°54	22°10	11°24	7°54	1°57	1°12	1°29	4° 7
F 8	15 3 41	17°25'14	3♌10	28°57	28°15	1°58	3°44	0°52	22° 8	11°26	7°54	1°55	1° 9	1°36	4° 8
S 9	15 7 37	18°23'07	14°59	0♈43	29°23	2°40	3°58	0°49	22° 7	11°28	7°53	1°53	1° 6	1°43	4°10
S 10	15 11 34	19°20'58	26°51	2°32	0♉31	3°21	4°12	0°47	22° 6	11°30	7°53	1°50	1° 3	1°49	4°12
M11	15 15 31	20°18'48	8♈47	4°22	1°39	4° 3	4°25	0°45	22° 5	11°33	7°53	1°48	1° 0	1°56	4°13
T 12	15 19 27	21°16'37	20°52	6°14	2°47	4°44	4°39	0°42	22° 4	11°35	7°53	1°45	0°56	2° 3	4°15
W13	15 23 24	22°14'25	3♌8	8° 8	3°54	5°26	4°53	0°40	22° 3	11°37	7°52	1°43	0°53	2° 9	4°16
T 14	15 27 20	23°12'11	15°39	10° 4	5° 1	6° 7	5° 7	0°38	22° 3	11°39	7°52	1°42	0°50	2°16	4°18
F 15	15 31 17	24° 9'56	28°29	12° 2	6° 9	6°48	5°21	0°37	22° 2	11°42	7°52	1°D42	0°47	2°23	4°19
S 16	15 35 13	25° 7'40	11♈41	14° 2	7°16	7°30	5°35	0°35	22° 1	11°44	7°52	1°43	0°44	2°29	4°21
S 17	15 39 10	26° 5'23	25°19	16° 3	8°23	8°11	5°48	0°33	22° 0	11°46	7°52	1°44	0°41	2°36	4°22
M18	15 43 6	27° 3'05	9♍22	18° 7	9°29	8°52	6° 2	0°32	22° 0	11°48	7°52	1°45	0°37	2°43	4°23
T 19	15 47 3	28° 0'46	23°51	20°12	10°36	9°33	6°16	0°30	21°59	11°50	7°D52	1°46	0°34	2°49	4°24
W20	15 50 59	28°58'26	8♈42	22°19	11°42	10°14	6°30	0°29	21°58	11°53	7°52	1°R46	0°31	2°56	4°25
T 21	15 54 56	29°56'05	23°49	24°27	12°49	10°55	6°44	0°27	21°58	11°55	7°52	1°45	0°28	3° 3	4°27
F 22	15 58 53	0♎53'43	9♎2	26°36	13°55	11°36	6°58	0°26	21°58	11°57	7°52	1°43	0°25	3° 9	4°28
S 23	16 2 49	1°51'19	24°13	28°46	15° 0	12°17	7°12	0°25	21°57	11°59	7°52	1°39	0°22	3°16	4°28
S 24	16 6 46	2°48'55	9♉10	0♎57	16° 6	12°58	7°26	0°24	21°57	12° 1	7°52	1°35	0°18	3°23	4°29
M25	16 10 42	3°46'28	23°47	3° 9	17°12	13°39	7°40	0°23	21°57	12° 3	7°52	1°30	0°15	3°29	4°30
T 26	16 14 39	4°44'01	7♎59	5°21	18°17	14°20	7°54	0°22	21°56	12° 5	7°53	1°27	0°12	3°36	4°31
W27	16 18 35	5°41'32	21°42	7°33	19°22	15° 1	8° 8	0°22	21°56	12° 8	7°53	1°25	0° 9	3°43	4°32
T 28	16 22 32	6°39'01	4♎58	9°45	20°27	15°42	8°22	0°21	21°56	12°10	7°53	1°D24	0° 6	3°49	4°32
F 29	16 26 29	7°36'30	17°50	11°56	21°31	16°23	8°36	0°21	21°56	12°12	7°53	1°24	0° 2	3°56	4°33
S 30	16 30 25	8°33'57	0♌21	14° 6	22°36	17° 3	8°50	0°20	21°D56	12°14	7°54	1°25	29♌59	4° 3	4°33
S 31	16 34 22	9♎31'23	12♌35	16♎16	23♉40	17♎44	9♎4	0♌20	21♎56	12♈16	7♎54	1♎27	29♌56	4♌9	4♈34

Delta T = 9.28 sec.

Greg. Calendar

JUNE 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	16 38 18	10♎28'47	24♌38	18♎24	24♉44	18♎25	9♎18	0°R20	21♎56	12♈18	7♎54	1♎28	29♌53	4♌16	4♈34
T 2	16 42 15	11°26'11	6♎32	20°31	25°47	19° 5	9°32	0°D20	21°56	12°20	7°55	1°R28	29°50	4°23	4°35
W 3	16 46 11	12°23'33	18°22	22°36	26°51	19°46	9°45	0♌20	21°56	12°22	7°55	1°27	29°47	4°29	4°35
T 4	16 50 8	13°20'55	0♌11	24°39	27°54	20°26	9°59	0°20	21°57	12°24	7°56	1°23	29°43	4°36	4°35
F 5	16 54 4	14°18'16	12° 0	26°40	28°56	21° 7	10°13	0°20	21°57	12°26	7°56	1°18	29°40	4°43	4°35
S 6	16 58 1	15°15'36	23°53	28°39	29°59	21°47	10°27	0°21	21°57	12°28	7°57	1°11	29°37	4°49	4°36
S 7	17 1 58	16°12'55	5♈50	0♉36	1♎1	22°28	10°41	0°21	21°58	12°30	7°57	1° 3	29°34	4°56	4°36
M 8	17 5 54	17°10'14	17°54	2°31	2° 3	23° 8	10°55	0°21	21°58	12°32	7°58	0°55	29°31	5° 3	4°R36
T 9	17 9 51	18° 7'32	0♌6	4°23	3° 5	23°48	11° 9	0°22	21°59	12°34	7°59	0°47	29°28	5° 9	4°36
W10	17 13 47	19° 4'49	12°28	6°13	4° 6	24°29	11°23	0°23	21°59	12°36	7°59	0°40	29°24	5°16	4°35
T 11	17 17 44	20° 2'06	25° 3	8° 1	5° 7	25° 9	11°37	0°24	22° 0	12°38	8° 0	0°35	29°21	5°23	4°35
F 12	17 21 40	20°59'23	7♈54	9°46	6° 8	25°49	11°51	0°25	22° 0	12°39	8° 1	0°32	29°18	5°29	4°35
S 13	17 25 37	21°56'40	21° 2	11°29	7° 8	26°29	12° 4	0°26	22° 1	12°41	8° 1	0°D31	29°15	5°36	4°35
S 14	17 29 33	22°53'56	4♍32	13° 9	8° 8	27° 9	12°18	0°27	22° 2	12°43	8° 2	0°32	29°12	5°43	4°34
M15	17 33 30	23°51'12	18°25	14°47	9° 8	27°50	12°32	0°28	22° 3	12°45	8° 3	0°33	29° 8	5°49	4°34
T 16	17 37 27	24°48'27	2♈41	16°23	10° 7	28°30	12°46	0°29	22° 4	12°47	8° 4	0°R33	29° 5	5°56	4°33
W17	17 41 23	25°45'43	17°20	17°56	11° 6	29°10	13° 0	0°31	22° 5	12°48	8° 5	0°32	29° 2	6° 3	4°33
T 18	17 45 20	26°42'58	2♎18	19°27	12° 4	29°50	13°13	0°32	22° 6	12°50	8° 6	0°29	28°59	6° 9	4°32
F 19	17 49 16	27°40'14	17°26	20°55	13° 3	0♉30	13°27	0°34	22° 7	12°52	8° 7	0°23	28°56	6°16	4°32
S 20	17 53 13	28°37'28	2♉36	22°20	14° 0	1°10	13°41	0°36	22° 8	12°54	8° 7	0°16	28°53	6°23	4°31
S 21	17 57 9	29°34'43	17°37	23°43	14°58	1°50	13°54	0°37	22° 9	12°55	8° 8	0° 7	28°49	6°29	4°30
M22	18 1 6	0♉31'57	2♎21	25° 3	15°54	2°29	14° 8	0°39	22°10	12°57	8° 9	29♌58	28°46	6°36	4°29
T 23	18 5 2	1°29'11	16°39	26°21	16°51	3° 9	14°22	0°41	22°11	12°59	8°10	29°50	28°43	6°43	4°29
W24	18 8 59	2°26'24	0♎29	27°36	17°47	3°49	14°35	0°44	22°13	13° 0	8°12	29°44	28°40	6°49	4°28
T 25	18 12 56	3°23'37	13°50	28°48	18°42	4°29	14°49	0°46	22°14	13° 2	8°13	29°40	28°37	6°56	4°27
F 26	18 16 52	4°20'49	26°44	29°57	19°37	5° 9	15° 2	0°48	22°15	13° 3	8°14	29°39	28°34	7° 3	4°26
S 27	18 20 49	5°18'01	9♌14	1♎4	20°31	5°48	15°16	0°50	22°17	13° 5	8°15	29°D38	28°30	7°10	4°25
S 28	18 24 45	6°15'12	21°27	2° 7	21°25	6°28	15°29	0°53	22°18	13° 7	8°16	29°39	28°27	7°16	4°23
M29	18 28 42	7°12'23	3♎27	3° 8	22°18	7° 8	15°43	0°56	22°20	13° 8	8°17	29°R39	28°24	7°23	4°22
T 30	18 32 38	8♉9'34	15♎18	4♎5	23♎11	7♉47	15♎56	0♌58	22♎21	13♈9	8♎18	29♌38	28♌21	7♌30	4♈21

Delta T = 9.37 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1716

JULY 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	18 36 35	9 ^h 6'45"	27 ^m 7"	4 ^h 59'	24 ^h 3'	8 ^h 27'	16 ^h 9'	1 ^h 1'	22 ^m 23"	13 ^h 11'	8 ^h 20'	29 ^m 35"	28 ^h 18'	7 ^h 36'	4 ^h 20'
T 2	18 40 31	10° 3'56"	8 ^m 55"	5° 50'	24° 54'	9° 6'	16° 23'	1° 4'	22° 25'	13° 12'	8° 21'	29 ^m 29"	28° 14'	7° 43'	4 ^m 18"
F 3	18 44 28	11° 1'06"	20° 48'	6° 37'	25° 45'	9° 46'	16° 36'	1° 7'	22° 26'	13° 14'	8° 22'	29° 20'	28° 11'	7° 50'	4° 17'
S 4	18 48 25	11° 58'17"	2 ^m 347"	7° 20'	26° 35'	10° 25'	16° 49'	1° 10'	22° 28'	13° 15'	8° 23'	29° 10'	28° 8'	7° 56'	4° 15'
S 5	18 52 21	12° 55'27"	14° 53'	8° 0'	27° 24'	11° 5'	17° 2'	1° 13'	22° 30'	13° 16'	8° 25'	28° 57'	28° 5'	8° 3'	4° 14'
M 6	18 56 18	13° 52'38"	27° 8'	8° 36'	28° 12'	11° 44'	17° 16'	1° 16'	22° 32'	13° 18'	8° 26'	28° 45'	28° 2'	8° 10'	4° 12'
T 7	19 0 14	14° 49'49"	9 ^m 33"	9° 8'	29° 0'	12° 24'	17° 29'	1° 19'	22° 34'	13° 19'	8° 28'	28° 33'	27° 59'	8° 16'	4° 11'
W 8	19 4 11	15° 47'01"	22° 8'	9° 36'	29° 47'	13° 3'	17° 42'	1° 23'	22° 36'	13° 20'	8° 29'	28° 22'	27° 55'	8° 23'	4° 9'
T 9	19 8 7	16° 44'12"	4 ^m 54"	9° 59'	0 ^m 33"	13° 42'	17° 55'	1° 26'	22° 38'	13° 22'	8° 30'	28° 14'	27° 52'	8° 30'	4° 7'
F 10	19 12 4	17° 41'25"	17° 53'	10° 18'	1° 19'	14° 22'	18° 8'	1° 30'	22° 40'	13° 23'	8° 32'	28° 9'	27° 49'	8° 36'	4° 6'
S 11	19 16 0	18° 38'37"	1 ^m 9"	10° 33'	2° 3'	15° 1'	18° 21'	1° 34'	22° 42'	13° 24'	8° 33'	28° 6'	27° 46'	8° 43'	4° 4'
S 12	19 19 57	19° 35'51"	14° 35'	10° 42'	2° 46'	15° 40'	18° 33'	1° 37'	22° 44'	13° 25'	8° 35'	28° 5'	27° 43'	8° 50'	4° 2'
M13	19 23 54	20° 33'05"	28° 21'	10° 47'	3° 29'	16° 19'	18° 46'	1° 41'	22° 46'	13° 26'	8° 36'	28° 5'	27° 39'	8° 56'	4° 0'
T 14	19 27 50	21° 30'20"	12 ^m 26"	10° R47	4° 11'	16° 58'	18° 59'	1° 45'	22° 49'	13° 27'	8° 38'	28° 4'	27° 36'	9° 3'	3° 58'
W15	19 31 47	22° 27'35"	26° 49'	10° 43'	4° 51'	17° 38'	19° 12'	1° 49'	22° 51'	13° 28'	8° 39'	28° 2'	27° 33'	9° 10'	3° 56'
T 16	19 35 43	23° 24'52"	11 ^m 29"	10° 33'	5° 31'	18° 17'	19° 24'	1° 53'	22° 53'	13° 29'	8° 41'	27° 58'	27° 30'	9° 16'	3° 54'
F 17	19 39 40	24° 22'09"	26° 19'	10° 19'	6° 9'	18° 56'	19° 37'	1° 57'	22° 55'	13° 31'	8° 43'	27° 51'	27° 27'	9° 23'	3° 52'
S 18	19 43 36	25° 19'27"	11 ^m 14"	10° 0'	6° 46'	19° 35'	19° 50'	2° 1'	22° 58'	13° 31'	8° 44'	27° 41'	27° 24'	9° 30'	3° 50'
S 19	19 47 33	26° 16'45"	26° 3'	9° 36'	7° 22'	20° 14'	20° 2'	2° 6'	23° 0'	13° 32'	8° 46'	27° 30'	27° 20'	9° 36'	3° 48'
M20	19 51 29	27° 14'05"	10 ^m 39"	9° 8'	7° 57'	20° 53'	20° 14'	2° 10'	23° 3'	13° 33'	8° 48'	27° 19'	27° 17'	9° 43'	3° 46'
T 21	19 55 26	28° 11'24"	24° 54'	8° 36'	8° 31'	21° 32'	20° 27'	2° 14'	23° 5'	13° 34'	8° 49'	27° 9'	27° 14'	9° 50'	3° 43'
W22	19 59 23	29° 8'44"	8 ^m 44"	8° 0'	9° 3'	22° 11'	20° 39'	2° 19'	23° 8'	13° 35'	8° 51'	27° 1'	27° 11'	9° 56'	3° 41'
T 23	20 3 19	0 ^m 6'05"	22° 6'	7° 22'	9° 34'	22° 50'	20° 51'	2° 24'	23° 10'	13° 36'	8° 53'	26° 55'	27° 8'	10° 3'	3° 39'
F 24	20 7 16	1° 3'26"	5 ^m 2"	6° 40'	10° 3'	23° 29'	21° 3'	2° 28'	23° 13'	13° 37'	8° 54'	26° 52'	27° 5'	10° 10'	3° 36'
S 25	20 11 12	2° 0'48"	17° 35'	5° 57'	10° 31'	24° 8'	21° 16'	2° 33'	23° 16'	13° 37'	8° 56'	26° 50'	27° 1'	10° 17'	3° 34'
S 26	20 15 9	2° 58'10"	29° 49'	5° 13'	10° 58'	24° 47'	21° 28'	2° 38'	23° 18'	13° 38'	8° 58'	26° 50'	26° 58'	10° 23'	3° 32'
M27	20 19 5	3° 55'32"	11 ^m 49"	4° 28'	11° 22'	25° 26'	21° 39'	2° 43'	23° 21'	13° 39'	9° 0'	26° 50'	26° 55'	10° 30'	3° 29'
T 28	20 23 2	4° 52'56"	23° 41'	3° 44'	11° 46'	26° 4'	21° 51'	2° 48'	23° 24'	13° 40'	9° 2'	26° 49'	26° 52'	10° 37'	3° 27'
W29	20 26 58	5° 50'20"	5 ^m 30"	3° 1'	12° 7'	26° 43'	22° 3'	2° 53'	23° 27'	13° 40'	9° 3'	26° 46'	26° 49'	10° 43'	3° 24'
T 30	20 30 55	6° 47'44"	17° 21'	2° 20'	12° 26'	27° 22'	22° 15'	2° 58'	23° 30'	13° 41'	9° 5'	26° 40'	26° 45'	10° 50'	3° 21'
F 31	20 34 52	7 ^m 45'10"	29 ^m 18"	1 ^m 42"	12 ^m 44"	28 ^m 1"	22 ^m 27"	3 ^m 3"	23 ^m 33"	13 ^h 41'	9 ^m 7"	26 ^m 32"	26 ^m 42"	10 ^m 57"	3 ^m 19"

Delta T = 9.46 sec.

Greg. Calendar

AUGUST 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	20 38 48	8 ^m 42'36"	11 ^m 24"	1° R 7'	13 ^m 0"	28 ^m 39"	22 ^m 38"	3 ^m 8"	23 ^m 35"	13 ^h 42'	9 ^m 9"	26° R21	26 ^m 39"	11 ^m 3'	3° R16
S 2	20 42 45	9° 40'03"	23° 40'	0 ^m 37'	13° 14'	29° 18'	22° 50'	3° 13'	23° 38'	13° 42'	9° 11'	26 ^m 9"	26° 36"	11° 10'	3 ^m 14"
M 3	20 46 41	10° 37'31"	6 ^m 9"	0° 11'	13° 25'	29° 57'	23° 1'	3° 19'	23° 41'	13° 43'	9° 13'	25° 56"	26° 33"	11° 17'	3° 11"
T 4	20 50 38	11° 35'00"	18° 50'	29 ^m 51"	13° 35'	0 ^m 35"	23° 12'	3° 24'	23° 44'	13° 43'	9° 15'	25° 44"	26° 30"	11° 23'	3° 8"
W 5	20 54 34	12° 32'30"	1 ^m 44"	29° 37'	13° 42'	1° 14'	23° 24'	3° 30'	23° 47'	13° 44'	9° 16'	25° 34"	26° 26"	11° 30'	3° 6"
T 6	20 58 31	13° 30'02"	14° 48'	29° 30'	13° 48'	1° 53'	23° 35'	3° 35'	23° 50'	13° 44'	9° 18'	25° 26"	26° 23"	11° 37'	3° 3'
F 7	21 2 27	14° 27'34"	28° 5'	29° D29	13° 51'	2° 31'	23° 46'	3° 41'	23° 54'	13° 45'	9° 20'	25° 20"	26° 20"	11° 43'	3° 0'
S 8	21 6 24	15° 25'08"	11 ^m 32"	29° 35'	13° R52	3° 10'	23° 57'	3° 46'	23° 57'	13° 45'	9° 22'	25° 18"	26° 17"	11° 50'	2° 57"
S 9	21 10 21	16° 22'43"	25° 9'	29° 48'	13° 50'	3° 48'	24° 8'	3° 52'	24° 0'	13° 45'	9° 24'	25° D17	26° 14"	11° 57'	2° 54"
M10	21 14 17	17° 20'20"	8 ^m 59"	0 ^m 8'	13° 46'	4° 27'	24° 18'	3° 58'	24° 3'	13° 45'	9° 26'	25° 17"	26° 11"	12° 3'	2° 52"
T 11	21 18 14	18° 17'59"	22° 59'	0° 35'	13° 40'	5° 5'	24° 29'	4° 4'	24° 6'	13° 46'	9° 28'	25° R17	26° 7"	12° 10'	2° 49"
W12	21 22 10	19° 15'39"	7 ^m 11"	1° 10'	13° 32'	5° 44'	24° 40'	4° 10'	24° 10'	13° 46'	9° 30'	25° 16"	26° 4'	12° 17'	2° 46"
T 13	21 26 7	20° 13'21"	21° 33'	1° 51'	13° 21'	6° 22'	24° 50'	4° 16'	24° 13'	13° 46'	9° 32'	25° 13"	26° 1'	12° 24'	2° 43"
F 14	21 30 3	21° 11'04"	6 ^m 1"	2° 40'	13° 7'	7° 1'	25° 1'	4° 22'	24° 16'	13° 46'	9° 34'	25° 7"	25° 58"	12° 30'	2° 40"
S 15	21 34 0	22° 8'49"	20° 32'	3° 35'	12° 52'	7° 39'	25° 11'	4° 28'	24° 19'	13° 46'	9° 36'	24° 59"	25° 55"	12° 37'	2° 37"
S 16	21 37 56	23° 6'35"	4 ^m 58"	4° 37'	12° 34'	8° 18'	25° 21'	4° 34'	24° 23'	13° 46'	9° 38'	24° 50"	25° 51"	12° 44'	2° 34"
M17	21 41 53	24° 4'23"	19° 13'	5° 45'	12° 14'	8° 56'	25° 31'	4° 40'	24° 26'	13° R46	9° 40'	24° 40"	25° 48"	12° 50'	2° 31"
T 18	21 45 50	25° 2'13"	3 ^m 12"	7° 0'	11° 51'	9° 34'	25° 41'	4° 46'	24° 30'	13° 46'	9° 42'	24° 31"	25° 45"	12° 57'	2° 28"
W19	21 49 46	26° 0'03"	16° 51'	8° 20'	11° 27'	10° 13'	25° 51'	4° 52'	24° 33'	13° 46'	9° 45'	24° 24"	25° 42"	13° 4'	2° 25"
T 20	21 53 43	26° 57'55"	0 ^m 7"	9° 46'	11° 0'	10° 51'	26° 1'	4° 59'	24° 36'	13° 46'	9° 47'	24° 19"	25° 39"	13° 10'	2° 22"
F 21	21 57 39	27° 55'48"	13° 0'	11° 16'	10° 32'	11° 29'	26° 11'	5° 5'	24° 40'	13° 46'	9° 49'	24° 16"	25° 36"	13° 17'	2° 19"
S 22	22 1 36	28° 53'43"	25° 32'	12° 51'	10° 2'	12° 7'	26° 20'	5° 11'	24° 43'	13° 46'	9° 51'	24° D16	25° 32"	13° 24'	2° 16"
S 23	22 5 32	29° 51'39"	7 ^m 47"	14° 30'	9° 30'	12° 46'	26° 30'	5° 18'	24° 47'	13° 46'	9° 53'	24° 16"	25° 29"	13° 30'	2° 14"
M24	22 9 29	0 ^m 49'37"	19° 49'	16° 13'	8° 57'	13° 24'	26° 39'	5° 24'	24° 50'	13° 45'	9° 55'	24° 17"	25° 26"	13° 37'	2° 11"
T 25	22 13 25	1° 47'35"	1 ^m 42"	17° 59'	8° 23'	14° 2'	26° 48'	5° 31'	24° 54'	13° 45'	9° 57'	24° R18	25° 23"	13° 44'	2° 8"
W26	22 17 22	2° 45'35"	13° 33'	19° 48'	7° 47'	14° 40'	26° 57'	5° 37'	24° 58'	13° 45'	9° 59'	24° 17"	25° 20"	13° 50'	2° 5'
T 27	22 21 19	3° 43'37"	25° 26'	21° 39'	7° 11'	15° 19'	27° 6'	5° 44'	25° 1'	13° 44'	10° 1'	24° 15"	25° 17"	13° 57'	2° 2'
F 28	22 25 15	4° 41'40"	7 ^m 26"	23° 32'	6° 34'	15° 57'	27° 15'	5° 51'	25° 5'	13° 44'	10° 3'	24° 10"	25° 13"	14° 4'	1° 59"
S 29	22 29 12	5° 39'44"	19° 36'	25° 26'	5° 57'	16° 35'	27° 24'	5° 57'	25° 8'	13° 44'	10° 5'	24° 4'	25° 10"	14° 11'	1° 56"
S 30	22 33 8	6° 37'50"	2 ^m 1"	27° 21'	5° 20'	17° 13'	27° 33'	6° 4'	25° 12'	13° 43'	10° 8'	23° 56"	25° 7"	14° 17'	1° 53"
M31	22 37 5	7 ^m 35'57"	14 ^m 41"	29 ^m 17"	4 ^m 43"	17 ^m 51"	27 ^m 41"	6 ^m 11"	25 ^m 16"	13 ^h 43'	10 ^m 10"	23 ^m 48"	25 ^m 4'	14 ^m 24"	1 ^m 50"

Delta T = 9.55 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1716

SEPTEMBER 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♄	♃	♁	♁	♁	♁	♁	♁	♁
T 1	22 41 1	8 ^h 34'06	27 ^h 38'38	1 ^h 13	4 ^h R 6	18 ^h Ω29	27 ^h II50	6 ^h Ω18	25 ^h 19	13 ^h R42	10 ^h 12	23 ^h R40	25 ^h Ω 1	14 ^h ♂31	1 ^h R47
W 2	22 44 58	9 ^h 32'16	10 ^h ♂51	3 ^h 9	3 ^h 10	19 ^h 7	27 ^h 58	6 ^h 24	25 ^h 23	13 ^h ♂42	10 ^h 14	23 ^h Ω33	24 ^h 57	14 ^h 37	1 ^h ♂44
T 3	22 48 54	10 ^h 30'28	24 ^h 18	5 ^h 6	2 ^h 55	19 ^h 45	28 ^h 6	6 ^h 31	25 ^h 27	13 ^h 41	10 ^h 16	23 ^h 28	24 ^h 54	14 ^h 44	1 ^h 41
F 4	22 52 51	11 ^h 28'42	7 ^h 58	7 ^h 1	2 ^h 21	20 ^h 23	28 ^h 14	6 ^h 38	25 ^h 30	13 ^h 41	10 ^h 18	23 ^h 25	24 ^h 51	14 ^h 51	1 ^h 38
S 5	22 56 47	12 ^h 26'58	21 ^h 49	8 ^h 57	1 ^h 48	21 ^h 1	28 ^h 22	6 ^h 45	25 ^h 34	13 ^h 40	10 ^h 20	23 ^h D24	24 ^h 48	14 ^h 57	1 ^h 35
S 6	23 0 44	13 ^h 25'17	5 ^h ♂47	10 ^h 52	1 ^h 17	21 ^h 39	28 ^h 29	6 ^h 52	25 ^h 38	13 ^h 40	10 ^h 22	23 ^h 24	24 ^h 45	15 ^h 4	1 ^h 32
M 7	23 4 41	14 ^h 23'37	19 ^h 50	12 ^h 46	0 ^h 47	22 ^h 17	28 ^h 37	6 ^h 59	25 ^h 41	13 ^h 39	10 ^h 25	23 ^h 26	24 ^h 42	15 ^h 11	1 ^h 29
T 8	23 8 37	15 ^h 21'59	3 ^h II58	14 ^h 39	0 ^h 19	22 ^h 55	28 ^h 44	7 ^h 6	25 ^h 45	13 ^h 38	10 ^h 27	23 ^h 27	24 ^h 38	15 ^h 17	1 ^h 26
W 9	23 12 34	16 ^h 20'24	18 ^h 9	16 ^h 32	29 ^h Ω53	23 ^h 33	28 ^h 52	7 ^h 13	25 ^h 49	13 ^h 38	10 ^h 29	23 ^h R27	24 ^h 35	15 ^h 24	1 ^h 24
T 10	23 16 30	17 ^h 18'50	2 ^h Ω20	18 ^h 23	29 ^h 29	24 ^h 11	28 ^h 59	7 ^h 20	25 ^h 53	13 ^h 37	10 ^h 31	23 ^h 27	24 ^h 32	15 ^h 31	1 ^h 21
F 11	23 20 27	18 ^h 17'19	16 ^h 30	20 ^h 14	29 ^h 8	24 ^h 49	29 ^h 6	7 ^h 27	25 ^h 56	13 ^h 36	10 ^h 33	23 ^h 24	24 ^h 29	15 ^h 37	1 ^h 18
S 12	23 24 23	19 ^h 15'50	0 ^h Ω36	22 ^h 3	28 ^h 48	25 ^h 27	29 ^h 13	7 ^h 34	26 ^h 0	13 ^h 35	10 ^h 35	23 ^h 20	24 ^h 26	15 ^h 44	1 ^h 15
S 13	23 28 20	20 ^h 14'24	14 ^h 34	23 ^h 52	28 ^h 31	26 ^h 5	29 ^h 19	7 ^h 41	26 ^h 4	13 ^h 34	10 ^h 37	23 ^h 15	24 ^h 22	15 ^h 51	1 ^h 12
M 14	23 32 16	21 ^h 12'59	28 ^h 23	25 ^h 40	28 ^h 17	26 ^h 43	29 ^h 26	7 ^h 49	26 ^h 8	13 ^h 34	10 ^h 39	23 ^h 10	24 ^h 19	15 ^h 58	1 ^h 10
T 15	23 36 13	22 ^h 11'36	11 ^h 17	27 ^h 26	28 ^h 4	27 ^h 21	29 ^h 32	7 ^h 56	26 ^h 11	13 ^h 33	10 ^h 41	23 ^h 5	24 ^h 16	16 ^h 4	1 ^h 7
W 16	23 40 10	23 ^h 10'15	25 ^h 16	29 ^h 12	27 ^h 54	27 ^h 58	29 ^h 38	8 ^h 3	26 ^h 15	13 ^h 32	10 ^h 43	23 ^h 2	24 ^h 13	16 ^h 11	1 ^h 4
T 17	23 44 6	24 ^h 8'57	8 ^h Ω17	0 ^h Ω56	27 ^h 47	28 ^h 36	29 ^h 44	8 ^h 10	26 ^h 19	13 ^h 31	10 ^h 46	22 ^h 59	24 ^h 10	16 ^h 18	1 ^h 1
F 18	23 48 3	25 ^h 7'40	21 ^h 1	2 ^h 40	27 ^h 42	29 ^h 14	29 ^h 50	8 ^h 17	26 ^h 23	13 ^h 30	10 ^h 48	22 ^h D58	24 ^h 7	16 ^h 24	0 ^h 59
S 19	23 51 59	26 ^h 6'25	3 ^h II27	4 ^h 22	27 ^h 39	29 ^h 52	29 ^h 56	8 ^h 25	26 ^h 27	13 ^h 29	10 ^h 50	22 ^h 59	24 ^h 3	16 ^h 31	0 ^h 56
S 20	23 55 56	27 ^h 5'12	15 ^h 40	6 ^h 3	27 ^h D39	0 ^h 17	0 ^h Ω2	8 ^h 32	26 ^h 30	13 ^h 28	10 ^h 52	23 ^h 0	24 ^h 0	16 ^h 38	0 ^h 54
M 21	23 59 52	28 ^h 4'00	27 ^h 41	7 ^h 44	27 ^h 41	1 ^h 7	0 ^h 7	8 ^h 39	26 ^h 34	13 ^h 27	10 ^h 54	23 ^h 2	23 ^h 57	16 ^h 44	0 ^h 51
T 22	0 3 49	29 ^h 2'51	9 ^h ♂34	9 ^h 24	27 ^h 46	1 ^h 45	0 ^h 12	8 ^h 47	26 ^h 38	13 ^h 26	10 ^h 56	23 ^h 4	23 ^h 54	16 ^h 51	0 ^h 49
W 23	0 7 45	0 ^h Ω 1'43	21 ^h 25	11 ^h 2	27 ^h 52	2 ^h 23	0 ^h 17	8 ^h 54	26 ^h 42	13 ^h 24	10 ^h 58	23 ^h 5	23 ^h 51	16 ^h 58	0 ^h 46
T 24	0 11 42	1 ^h 0'37	3 ^h ♂18	12 ^h 40	28 ^h 1	3 ^h 0	0 ^h 22	9 ^h 1	26 ^h 45	13 ^h 23	11 ^h 0	23 ^h R 5	23 ^h 48	17 ^h 5	0 ^h 44
F 25	0 15 39	1 ^h 59'33	15 ^h 18	14 ^h 17	28 ^h 12	3 ^h 38	0 ^h 27	9 ^h 8	26 ^h 49	13 ^h 22	11 ^h 2	23 ^h 4	23 ^h 44	17 ^h 11	0 ^h 41
S 26	0 19 35	2 ^h 58'30	27 ^h 30	15 ^h 53	28 ^h 25	4 ^h 16	0 ^h 31	9 ^h 16	26 ^h 53	13 ^h 21	11 ^h 4	23 ^h 3	23 ^h 41	17 ^h 18	0 ^h 39
S 27	0 23 32	3 ^h 57'30	9 ^h ♂57	17 ^h 28	28 ^h 40	4 ^h 53	0 ^h 36	9 ^h 23	26 ^h 57	13 ^h 20	11 ^h 6	23 ^h 0	23 ^h 38	17 ^h 25	0 ^h 36
M 28	0 27 28	4 ^h 56'31	22 ^h 42	19 ^h 2	28 ^h 57	5 ^h 31	0 ^h 40	9 ^h 31	27 ^h 1	13 ^h 19	11 ^h 8	22 ^h 58	23 ^h 35	17 ^h 31	0 ^h 34
T 29	0 31 25	5 ^h 55'34	5 ^h ♂49	20 ^h 36	29 ^h 17	6 ^h 9	0 ^h 44	9 ^h 38	27 ^h 4	13 ^h 17	11 ^h 10	22 ^h 55	23 ^h 32	17 ^h 38	0 ^h 32
W 30	0 35 21	6 ^h Ω54'39	19 ^h ♂16	22 ^h Ω 8	29 ^h Ω38	6 ^h 17	0 ^h Ω48	9 ^h Ω45	27 ^h 8	13 ^h ♂16	11 ^h 12	22 ^h Ω53	23 ^h Ω28	17 ^h ♂45	0 ^h ♂30

Delta T = 9.64 sec.

Greg. Calendar

OCTOBER 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♄	♃	♁	♁	♁	♁	♁	♁	♁
T 1	0 39 18	7 ^h Ω53'45	3 ^h ♀ 3	23 ^h Ω40	0 ^h 17	7 ^h 17	0 ^h Ω52	9 ^h Ω53	27 ^h 12	13 ^h R15	11 ^h 14	22 ^h R51	23 ^h Ω25	17 ^h ♂51	0 ^h R27
F 2	0 43 14	8 ^h 52'54	17 ^h 8	25 ^h 11	0 ^h 25	8 ^h 1	0 ^h 55	10 ^h 0	27 ^h 16	13 ^h ♂13	11 ^h 16	22 ^h D51	23 ^h 22	17 ^h 58	0 ^h ♂25
S 3	0 47 11	9 ^h 52'05	1 ^h ♂25	26 ^h 41	0 ^h 51	8 ^h 39	0 ^h 58	10 ^h 7	27 ^h 19	13 ^h 12	11 ^h 18	22 ^h Ω51	23 ^h 19	18 ^h 5	0 ^h 23
S 4	0 51 7	10 ^h 51'18	15 ^h 51	28 ^h 11	1 ^h 19	9 ^h 16	1 ^h 1	10 ^h 15	27 ^h 23	13 ^h 11	11 ^h 19	22 ^h 51	23 ^h 16	18 ^h 11	0 ^h 21
M 5	0 55 4	11 ^h 50'34	0 ^h II19	29 ^h 39	1 ^h 49	9 ^h 54	1 ^h 4	10 ^h 22	27 ^h 27	13 ^h 9	11 ^h 21	22 ^h 52	23 ^h 13	18 ^h 18	0 ^h 19
T 6	0 59 1	12 ^h 49'52	14 ^h 46	1 ^h 17	2 ^h 20	10 ^h 31	1 ^h 7	10 ^h 29	27 ^h 30	13 ^h 8	11 ^h 23	22 ^h 53	23 ^h 9	18 ^h 25	0 ^h 17
W 7	1 2 57	13 ^h 49'12	29 ^h 7	2 ^h 34	2 ^h 53	11 ^h 9	1 ^h 10	10 ^h 37	27 ^h 34	13 ^h 7	11 ^h 25	22 ^h 54	23 ^h 6	18 ^h 32	0 ^h 15
T 8	1 6 54	14 ^h 48'34	13 ^h Ω20	4 ^h 0	3 ^h 27	11 ^h 46	1 ^h 12	10 ^h 44	27 ^h 38	13 ^h 5	11 ^h 27	22 ^h R54	23 ^h 3	18 ^h 38	0 ^h 13
F 9	1 10 50	15 ^h 47'59	27 ^h 21	5 ^h 25	4 ^h 2	12 ^h 24	1 ^h 14	10 ^h 51	27 ^h 41	13 ^h 4	11 ^h 29	22 ^h 54	23 ^h 0	18 ^h 45	0 ^h 12
S 10	1 14 47	16 ^h 47'26	11 ^h Ω10	6 ^h 49	4 ^h 39	13 ^h 1	1 ^h 16	10 ^h 59	27 ^h 45	13 ^h 2	11 ^h 31	22 ^h 54	22 ^h 57	18 ^h 52	0 ^h 10
S 11	1 18 43	17 ^h 46'56	24 ^h 46	8 ^h 13	5 ^h 17	13 ^h 39	1 ^h 18	11 ^h 6	27 ^h 49	13 ^h 1	11 ^h 32	22 ^h 53	22 ^h 53	18 ^h 58	0 ^h 8
M 12	1 22 40	18 ^h 46'27	8 ^h 17	9 ^h 35	5 ^h 56	14 ^h 16	1 ^h 19	11 ^h 14	27 ^h 52	12 ^h 59	11 ^h 34	22 ^h 52	22 ^h 50	19 ^h 5	0 ^h 6
T 13	1 26 36	19 ^h 46'01	21 ^h 17	10 ^h 57	6 ^h 36	14 ^h 54	1 ^h 21	11 ^h 21	27 ^h 56	12 ^h 58	11 ^h 36	22 ^h 52	22 ^h 47	19 ^h 12	0 ^h 5
W 14	1 30 33	20 ^h 45'37	4 ^h Ω12	12 ^h 17	7 ^h 18	15 ^h 31	1 ^h 22	11 ^h 28	27 ^h 59	12 ^h 56	11 ^h 38	22 ^h 52	22 ^h 44	19 ^h 18	0 ^h 3
T 15	1 34 30	21 ^h 45'16	16 ^h 53	13 ^h 37	8 ^h 1	16 ^h 8	1 ^h 23	11 ^h 35	28 ^h 3	12 ^h 55	11 ^h 39	22 ^h 52	22 ^h 41	19 ^h 25	0 ^h 2
F 16	1 38 26	22 ^h 44'56	29 ^h 22	14 ^h 55	8 ^h 44	16 ^h 46	1 ^h 24	11 ^h 43	28 ^h 7	12 ^h 53	11 ^h 41	22 ^h 52	22 ^h 38	19 ^h 32	0 ^h 0
S 17	1 42 23	23 ^h 44'38	11 ^h 17	16 ^h 12	9 ^h 29	17 ^h 23	1 ^h 24	11 ^h 50	28 ^h 10	12 ^h 52	11 ^h 43	22 ^h 52	22 ^h 34	19 ^h 39	29 ^h ♂

SWISS EPHEMERIS for the year 1716

NOVEMBER 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	2 41 31	8♈43'46	24♉56	0♊59	22♋19	26♌41	1♍ 9	13♎37	29♏ 0	12♐R27	12♑ 6	22♒R52	21♓47	21♔19	29♕R44
M 2	2 45 28	9♋43'56	9♌53	1♍26	23♎16	27♏18	1♐ 6	13♑44	29♑ 3	12♒R25	12♓ 7	22♔R50	21♕44	21♖26	29♗R44
T 3	2 49 24	10♌44'09	24♍46	1♎47	24♎13	27♏55	1♑ 4	13♒50	29♒ 6	12♔R24	12♓ 8	22♖R47	21♗40	21♘32	29♙R43
W 4	2 53 21	11♍44'24	9♏28	2♐ 1	25♐11	28♑32	1♒ 1	13♓57	29♓ 9	12♖R22	12♓ 9	22♘R45	21♘37	21♙39	29♙R43
T 5	2 57 17	12♎44'40	23♑53	2♒ 6	26♑10	29♑ 9	0♓57	14♓ 4	29♓12	12♖R20	12♓11	22♙R43	21♙34	21♚46	29♙R43
F 6	3 1 14	13♏44'59	7♒58	2♓ 3	27♓ 9	29♓46	0♔54	14♔11	29♔15	12♖R18	12♓12	22♚R42	21♚31	21♛53	29♙R42
S 7	3 5 10	14♐45'19	21♓43	1♕50	28♓ 8	0♕23	0♕51	14♕17	29♕18	12♖R17	12♓13	22♛R42	21♛28	21♜59	29♙R42
S 8	3 9 7	15♑45'42	5♎ 6	1♖27	29♓ 8	0♖59	0♖47	14♖24	29♖21	12♖R15	12♓14	22♜R43	21♜25	22♞ 6	29♙R42
M 9	3 13 3	16♒46'07	18♏11	0♗55	0♗ 8	1♗36	0♗43	14♗31	29♗24	12♖R13	12♓15	22♞R45	21♞21	22♟13	29♙R42
T 10	3 17 0	17♓46'33	1♕ 0	0♘12	1♘ 9	2♘13	0♘39	14♘37	29♘27	12♖R12	12♓16	22♟R46	21♟18	22♠19	29♙D42
W 11	3 20 57	18♔47'01	13♓34	29♙19	2♙10	2♙50	0♙34	14♙44	29♙30	12♖R10	12♓18	22♠R48	21♠15	22♡26	29♙R42
T 12	3 24 53	19♕47'31	25♖57	28♖17	3♖12	3♖27	0♖30	14♖50	29♖32	12♖R 8	12♓19	22♡R48	21♡12	22♢33	29♙R42
F 13	3 28 50	20♖48'03	8♎11	27♗ 8	4♗14	4♗ 4	0♗25	14♗57	29♗35	12♖R 7	12♓20	22♢R47	21♢ 9	22♣40	29♙R42
S 14	3 32 46	21♗48'37	20♘16	25♘52	5♘16	4♘40	0♘20	15♘ 3	29♘38	12♖R 5	12♓21	22♣R44	21♣ 5	22♤46	29♙R43
S 15	3 36 43	22♘49'12	2♙15	24♙32	6♙19	5♙17	0♙15	15♙10	29♙40	12♖R 3	12♓22	22♤R40	21♤ 2	22♥53	29♙R43
M 16	3 40 39	23♙49'48	14♓ 9	23♚10	7♚22	5♚54	0♚10	15♚16	29♚43	12♖R 2	12♓23	22♥R35	20♥59	23♞ 0	29♙R43
T 17	3 44 36	24♚50'26	26♓ 0	21♓50	8♓26	6♓31	0♓ 5	15♓22	29♓46	12♖R 0	12♓23	22♟R29	20♟56	23♟ 6	29♙R44
W 18	3 48 32	25♓51'05	7♒51	20♓34	9♓30	7♓ 7	29♙59	15♓28	29♙48	11♖R58	12♓24	22♠R22	20♠53	23♠13	29♙R44
T 19	3 52 29	26♔51'46	19♓43	19♓24	10♓34	7♔44	29♓54	15♓35	29♓51	11♖R57	12♓25	22♡R17	20♡50	23♡20	29♙R45
F 20	3 56 26	27♕52'28	1♗40	18♗22	11♗38	8♗21	29♗48	15♗41	29♗53	11♖R55	12♓26	22♢R12	20♢46	23♢26	29♙R45
S 21	4 0 22	28♖53'10	13♘45	17♘30	12♘43	8♘57	29♘42	15♘47	29♘55	11♖R54	12♓27	22♣R 9	20♣43	23♣33	29♙R46
S 22	4 4 19	29♗53'54	26♓ 4	16♓50	13♘48	9♓34	29♓36	15♓53	29♓58	11♖R52	12♓28	22♤R 8	20♤40	23♤40	29♙R47
M 23	4 8 15	0♘54'39	8♙40	16♙21	14♙53	10♙10	29♙29	15♙59	0♘ 0	11♖R50	12♓28	22♞R 8	20♞37	23♞47	29♙R48
T 24	4 12 12	1♙55'25	21♓38	16♓ 3	15♓59	10♙47	29♙23	16♓ 5	0♙ 2	11♖R49	12♓29	22♟R 9	20♟34	23♟53	29♙R48
W 25	4 16 8	2♓56'12	5♖ 2	15♖D57	17♓ 5	11♖23	29♖16	16♖10	0♖ 5	11♖R47	12♓30	22♠R11	20♠31	24♠ 0	29♙R49
T 26	4 20 5	3♗57'00	18♘54	16♘ 1	18♘11	12♘ 0	29♘10	16♘16	0♗ 7	11♖R46	12♓30	22♡R12	20♡27	24♡ 7	29♙R50
F 27	4 24 1	4♘57'49	3♙14	16♙16	19♙17	12♙36	29♙ 3	16♙22	0♘ 9	11♖R44	12♓31	22♢R11	20♢24	24♢13	29♙R51
S 28	4 27 58	5♙58'39	18♓ 0	16♓40	20♓24	13♓13	28♓56	16♓28	0♙11	11♖R43	12♓31	22♣R 9	20♣21	24♣20	29♙R52
S 29	4 31 55	6♚59'30	3♙ 5	17♙12	21♙31	13♙49	28♙49	16♙33	0♚13	11♖R41	12♓32	22♤R 4	20♤18	24♤27	29♙R54
M 30	4 35 51	8♛ 0'22	18♚21	17♚51	22♚38	14♚25	28♚42	16♚39	0♛15	11♖R40	12♓32	22♞R58	20♞15	24♞34	29♙R55

Delta T = 9.82 sec.

Greg. Calendar

DECEMBER 1716

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	4 39 48	9♊ 1'15	3♉37	18♈37	23♉45	15♊ 2	28♋R35	16♌44	0♍17	11♍R38	12♎33	21♏R51	20♐11	24♑R40	29♒R56
W 2	4 43 44	10♋ 2'10	18♈42	19♉29	24♊53	15♋38	28♌R27	16♍49	0♎19	11♍R37	12♎33	21♑R43	20♑ 8	24♒47	29♓R57
T 3	4 47 41	11♌ 3'05	3♊27	20♉27	26♋ 0	16♌14	28♍20	16♎55	0♏21	11♍R35	12♎34	21♓37	20♓ 5	24♔54	29♕R59
F 4	4 51 37	12♍ 4'02	17♈46	21♉28	27♊ 8	16♍51	28♎12	17♏ 0	0♑22	11♍R34	12♎34	21♔32	20♔ 2	25♕ 0	0♒ 0
S 5	4 55 34	13♎ 5'00	1♎37	22♉34	28♋16	17♌27	28♌ 5	17♍ 5	0♑24	11♍R33	12♎34	21♕29	19♕59	25♖ 7	0♓ 2
S 6	4 59 30	14♏ 6'00	15♓ 2	23♊42	29♌25	18♓ 3	27♍57	17♎10	0♑26	11♍R31	12♎35	21♖D29	19♖56	25♗14	0♔ 3
M 7	5 3 27	15♐ 7'00	28♓ 1	24♋54	0♎33	18♓39	27♎49	17♏15	0♑27	11♍R30	12♎35	21♗29	19♗52	25♘21	0♕ 5
T 8	5 7 24	16♑ 8'01	10♌40	26♓ 9	1♕42	19♓15	27♑42	17♑20	0♑29	11♍R28	12♎35	21♘30	19♘49	25♙27	0♖ 7
W 9	5 11 20	17♒ 9'04	23♓ 3	27♔25	2♕51	19♓51	27♓34	17♓25	0♑30	11♍R27	12♎35	21♙R31	19♙46	25♚34	0♗ 8
T 10	5 15 17	18♓10'08	5♎13	28♑44	4♖ 0	20♓27	27♔26	17♓30	0♑32	11♍R26	12♎36	21♓30	19♓43	25♛41	0♘10
F 11	5 19 13	19♔11'12	17♖15	0♗ 4	5♗ 9	21♓ 3	27♖18	17♓35	0♑33	11♍R25	12♎36	21♔26	19♔40	25♜47	0♙12
S 12	5 23 10	20♕12'18	29♓11	1♕25	6♕19	21♓39	27♕10	17♓39	0♑35	11♍R23	12♎36	21♕20	19♕36	25♞54	0♚14
S 13	5 27 6	21♖13'24	11♙ 3	2♙48	7♙28	22♓15	27♖ 2	17♔44	0♑36	11♍R22	12♎36	21♖11	19♖33	26♗ 1	0♛16
M 14	5 31 3	22♗14'31	22♓55	4♚12	8♚38	22♓51	26♗53	17♕48	0♑37	11♍R21	12♎36	21♗ 0	19♗30	26♘ 8	0♜18
T 15	5 34 59	23♘15'38	4♒46	5♓37	9♓48	23♓27	26♘45	17♖53	0♑39	11♍R20	12♎36	21♘R36	19♘27	26♙14	0♝20
W 16	5 38 56	24♙16'46	16♓39	7♓ 3	10♓58	24♓ 3	26♙37	17♗57	0♑40	11♍R19	12♎36	21♙34	19♙24	26♚21	0♞22
T 17	5 42 53	25♚17'55	28♓35	8♔29	12♔ 8	24♓39	26♚29	18♓ 1	0♑41	11♍R18	12♎36	21♚36	19♚21	26♛28	0♟24
F 18	5 46 49	26♛19'03	10♗35	9♗57	13♗19	25♓15	26♛21	18♓ 5	0♑42	11♍R16	12♎36	21♛36	19♛17	26♜34	0♠26
S 19	5 50 46	27♔20'12	22♑43	11♔25	14♔29	25♓50	26♔13	18♓10	0♑43	11♍R15	12♎36	21♜36	19♜14	26♝41	0♡29
S 20	5 54 42	28♕21'21	5♙ 2	12♙53	15♙39	26♓26	26♕ 5	18♔14	0♑44	11♍R14	12♎36	19♕58	19♕11	26♞48	0♢31
M 21	5 58 39	29♖22'31	17♓34	14♓22	16♓50	27♓ 2	25♖56	18♕17	0♑45	11♍R13	12♎35	19♖56	19♖ 8	26♟55	0♣33
T 22	6 2 35	0♗23'40	0♖25	15♖51	18♖ 1	27♓37	25♗48	18♖21	0♑45	11♍R12	12♎35	19♗D55	19♗ 5	27♘ 1	0♤36
W 23	6 6 32	1♘24'49	13♓39	17♓21	19♓12	28♓13	25♘40	18♗25	0♑46	11♍R11	12♎35	19♘R55	19♘ 2	27♙ 8	0♥38
T 24	6 10 28	2♙25'58	27♖18	18♖51	20♗23	28♗48	25♙32	18♘29	0♑47	11♍R10	12♎35	19♙55	18♙58	27♚15	0♦41
F 25	6 14 25	3♚27'07	11♒26	20♒21	21♓34	29♓24	25♚24	18♙32	0♑48	11♍R10	12♎34	19♚53	18♚55	27♛21	0♧43
S 26	6 18 22	4♛28'16	26♓ 1	21♓52	22♓45	29♓59	25♛16	18♚36	0♑48	11♍R 9	12♎34	19♛49	18♛52	27♜28	0♨46
S 27	6 22 18	5♜29'25	11♙ 1	23♙23	23♙56	0♎34	25♜ 8	18♛39	0♑49	11♍R 8	12♎34	19♜42	18♜49	27♝35	0♩48
M 28	6 26 15	6♞30'34	26♖17	24♖55	25♓ 8	1♕10	25♞ 0	18♤42	0♑49	11♍R 7	12♎33	19♞46	18♞46	27♞42	0♪51
T 29	6 30 11	7♟31'43	11♒38	26♗27	26♖19	1♕45	24♟53	18♥45	0♑50	11♍R 6	12♎33	19♟42	18♟42	27♟48	0♫54
W 30	6 34 8	8♠32'53	26♓54	27♓59	27♓31	2♕20	24♠45	18♦48	0♑50	11♍R 5	12♎32	19♠40	18♠39	27♠55	0♬57
T 31	6 38 4	9♡34'02	11♕53	29♙32	28♙42	2♎55	24♡R37	18♧51	0♑50	11♍R 5	12♎32	19♡R 0	18♧36	28♙R 2	0♭59

Delta T = 9.89 sec.

Greg. Calendar

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