

SWISS EPHEMERIS for the year 2044

JANUARY 2044

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♁	♂	♆	♁	♂	♆
F 1	6 41 14	10♃11'27	16♂34	18♂53	16♂10	25♃46	13♂59	26♃36	21°R38	9°R54	29♂35	23°R 4	24♃ 3	13♂37	2°R18
S 2	6 45 10	11°12'38	28°51	19°24	17°23	26° 4	14°13	26°42	21♃37	9♂53	29°36	22♃51	24° 0	13°44	2♃16
S 3	6 49 7	12°13'49	11♂ 6	20° 1	18°36	26°22	14°27	26°48	21°35	9°53	29°37	22°42	23°57	13°51	2°15
M 4	6 53 3	13°15'00	23°29	20°43	19°50	26°39	14°41	26°54	21°33	9°52	29°39	22°35	23°54	13°57	2°13
T 5	6 57 0	14°16'10	6♃ 3	21°31	21° 3	26°55	14°55	26°59	21°31	9°52	29°40	22°31	23°50	14° 4	2°10
W 6	7 0 57	15°17'21	18°49	22°22	22°16	27°11	15° 9	27° 5	21°29	9°51	29°41	22°D30	23°47	14°11	2° 8
T 7	7 4 53	16°18'30	1°Y52	23°18	23°28	27°27	15°23	27°10	21°27	9°51	29°43	22°30	23°44	14°18	2° 6
F 8	7 8 50	17°19'40	15°14	24°18	24°41	27°42	15°37	27°16	21°25	9°50	29°44	22°R31	23°41	14°24	2° 4
S 9	7 12 46	18°20'49	28°57	25°20	25°54	27°56	15°51	27°21	21°23	9°50	29°45	22°30	23°38	14°31	2° 1
S 10	7 16 43	19°21'58	13♂ 3	26°26	27° 7	28°11	16° 4	27°27	21°21	9°50	29°47	22°28	23°35	14°38	1°59
M11	7 20 39	20°23'06	27°32	27°34	28°19	28°24	16°18	27°32	21°19	9°49	29°48	22°23	23°31	14°44	1°56
T 12	7 24 36	21°24'14	12♃11	28°44	29°32	28°37	16°32	27°37	21°17	9°49	29°49	22°16	23°28	14°51	1°53
W13	7 28 32	22°25'21	27°22	29°56	0♃45	28°50	16°46	27°42	21°15	9°49	29°51	22° 7	23°25	14°58	1°50
T 14	7 32 29	23°26'28	12♃27	1♂10	1°57	29° 2	17° 0	27°47	21°12	9°48	29°52	21°57	23°22	15° 5	1°47
F 15	7 36 26	24°27'34	27°27	2°26	3° 9	29°13	17°14	27°52	21°10	9°48	29°54	21°48	23°19	15°11	1°44
S 16	7 40 22	25°28'40	12♃11	3°43	4°22	29°24	17°28	27°57	21° 8	9°48	29°55	21°41	23°15	15°18	1°41
S 17	7 44 19	26°29'46	26°31	5° 1	5°34	29°35	17°42	28° 2	21° 6	9°48	29°56	21°36	23°12	15°25	1°38
M18	7 48 15	27°30'51	10♃25	6°21	6°46	29°44	17°56	28° 7	21° 3	9°48	29°58	21°33	23° 9	15°32	1°35
T 19	7 52 12	28°31'56	23°51	7°42	7°58	29°54	18° 9	28°11	21° 1	9°48	29°59	21°D32	23° 6	15°38	1°31
W20	7 56 8	29°33'00	6♂49	9° 4	9°10	0♂ 2	18°23	28°16	20°59	9°D48	0♃ 1	21°33	23° 3	15°45	1°28
T 21	8 0 5	0♂34'04	19°25	10°27	10°22	0°10	18°37	28°21	20°56	9°48	0° 2	21°34	23° 0	15°52	1°25
F 22	8 4 1	1°35'08	1♃41	11°51	11°33	0°17	18°51	28°25	20°54	9°48	0° 4	21°R35	22°56	15°58	1°21
S 23	8 7 58	2°36'12	13°45	13°16	12°45	0°24	19° 5	28°29	20°51	9°48	0° 5	21°34	22°53	16° 5	1°17
S 24	8 11 55	3°37'15	25°39	14°42	13°57	0°30	19°18	28°34	20°49	9°48	0° 7	21°31	22°50	16°12	1°14
M25	8 15 51	4°38'17	7♂30	16° 9	15° 8	0°35	19°32	28°38	20°46	9°48	0° 9	21°26	22°47	16°19	1°10
T 26	8 19 48	5°39'19	19°21	17°36	16°19	0°40	19°46	28°42	20°44	9°48	0°10	21°20	22°44	16°25	1° 6
W27	8 23 44	6°40'21	1♂16	19° 4	17°31	0°44	20° 0	28°46	20°41	9°49	0°12	21°11	22°41	16°32	1° 2
T 28	8 27 41	7°41'22	13°18	20°33	18°42	0°47	20°13	28°50	20°39	9°49	0°13	21° 3	22°37	16°39	0°58
F 29	8 31 37	8°42'22	25°28	22° 3	19°53	0°50	20°27	28°54	20°36	9°49	0°15	20°54	22°34	16°46	0°54
S 30	8 35 34	9°43'21	7♂47	23°33	21° 4	0°52	20°40	28°58	20°34	9°49	0°17	20°47	22°31	16°52	0°50
S 31	8 39 30	10♂44'19	20♂17	25♂ 4	22♂15	0♂53	20♂54	29♃ 2	20♂31	9♂50	0♃18	20♂41	22♂28	16♂59	0♃46

Delta T = 118.97 sec.

FEBRUARY 2044

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♁	♂	♆	♁	♂	♆
M 1	8 43 27	11♂45'17	2♃58	26♂36	23♂26	0°R53	21♂ 8	29♃ 5	20°R28	9♂50	0♃20	20°R37	22♂25	17♂ 6	0°R41
T 2	8 47 24	12°46'13	15°50	28° 9	24°36	0♂53	21°21	29° 9	20♂26	9°51	0°21	20°D36	22°21	17°12	0♃37
W 3	8 51 20	13°47'07	28°54	29°42	25°47	0°51	21°34	29°12	20°23	9°51	0°23	20♂36	22°18	17°19	0°33
T 4	8 55 17	14°48'01	12°Y10	1♂16	26°57	0°50	21°48	29°16	20°21	9°52	0°25	20°37	22°15	17°26	0°29
F 5	8 59 13	15°48'53	25°41	2°50	28° 7	0°47	22° 1	29°19	20°18	9°52	0°26	20°39	22°12	17°33	0°24
S 6	9 3 10	16°49'44	9♂25	4°26	29°17	0°43	22°15	29°22	20°15	9°53	0°28	20°40	22° 9	17°39	0°20
S 7	9 7 6	17°50'33	23°25	6° 2	0°Y27	0°39	22°28	29°25	20°13	9°53	0°30	20°R40	22° 6	17°46	0°15
M 8	9 11 3	18°51'21	7♂39	7°39	1°37	0°34	22°41	29°28	20°10	9°54	0°31	20°39	22° 2	17°53	0°11
T 9	9 14 59	19°52'08	22° 5	9°16	2°47	0°28	22°54	29°31	20° 8	9°55	0°33	20°36	21°59	17°59	0° 6
W10	9 18 56	20°52'53	6♂39	10°55	3°56	0°22	23° 8	29°34	20° 5	9°55	0°35	20°32	21°56	18° 6	0° 2
T 11	9 22 53	21°53'36	21°17	12°34	5° 5	0°15	23°21	29°37	20° 2	9°56	0°36	20°28	21°53	18°13	29♂57
F 12	9 26 49	22°54'18	5♂50	14°14	6°15	0° 6	23°34	29°39	20° 0	9°57	0°38	20°24	21°50	18°20	29°53
S 13	9 30 46	23°54'58	20°14	15°55	7°23	29♂57	23°47	29°42	19°57	9°58	0°40	20°20	21°47	18°26	29°48
S 14	9 34 42	24°55'37	4♃21	17°37	8°32	29°48	24° 0	29°45	19°54	9°58	0°42	20°18	21°43	18°33	29°43
M15	9 38 39	25°56'15	18° 8	19°19	9°41	29°37	24°13	29°47	19°52	9°59	0°43	20°D17	21°40	18°40	29°39
T 16	9 42 35	26°56'51	1♂32	21° 2	10°49	29°26	24°26	29°49	19°49	10° 0	0°45	20°18	21°37	18°47	29°34
W17	9 46 32	27°57'26	14°34	22°47	11°58	29°14	24°38	29°51	19°47	10° 1	0°47	20°19	21°34	18°53	29°29
T 18	9 50 28	28°57'59	27°13	24°32	13° 6	29° 1	24°51	29°53	19°44	10° 2	0°48	20°20	21°31	19° 0	29°25
F 19	9 54 25	29°58'32	9♃35	26°18	14°14	28°48	25° 4	29°55	19°41	10° 3	0°50	20°22	21°27	19° 7	29°20
S 20	9 58 22	0♃59'03	21°42	28° 5	15°21	28°34	25°16	29°57	19°39	10° 4	0°52	20°23	21°24	19°13	29°15
S 21	10 2 18	1°59'33	3♂40	29°53	16°29	28°19	25°29	29°59	19°36	10° 5	0°53	20°R23	21°21	19°20	29°11
M22	10 6 15	3° 0'01	15°33	1♃41	17°36	28° 3	25°42	0♂ 1	19°34	10° 6	0°55	20°23	21°18	19°27	29° 6
T 23	10 10 11	4° 0'29	27°25	3°31	18°43	27°46	25°54	0° 2	19°31	10° 7	0°57	20°21	21°15	19°34	29° 1
W24	10 14 8	5° 0'55	9♂22	5°21	19°50	27°29	26° 6	0° 4	19°29	10° 9	0°59	20°19	21°12	19°40	28°57
T 25	10 18 4	6° 1'19	21°27	7°13	20°57	27°12	26°19	0° 5	19°26	10°10	1° 0	20°17	21° 8	19°47	28°52
F 26	10 22 1	7° 1'42	3♂43	9° 5	22° 3	26°53	26°31	0° 6	19°24	10°11	1° 2	20°15	21° 5	19°54	28°47
S 27	10 25 57	8° 2'04	16°13	10°58	23° 9	26°34	26°43	0° 8	19°21	10°12	1° 4	20°13	21° 2	20° 1	28°43
S 28	10 29 54	9° 2'23	28°58	12°51	24°15	26°15	26°55	0° 9	19°19	10°13	1° 5	20°12	20°59	20° 7	28°38
M29	10 33 51	10♂ 2'41	11♂58	14♂45	25°Y21	25♂55	27♂ 7	0♂10	19♂16	10♂15	1♃ 7	20♂11	20♂56	20♂14	28♂34

Delta T = 119.11 sec.

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SWISS EPHEMERIS for the year 2044

MARCH 2044

00:00 UT

Day	Sid.t	☉	☽	♀	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
T 1	10 37 47	11°28'25.8"	25°37'13.0"	16°40'40.0"	26°26'26.0"	25°00'34.0"	27°03'19.0"	02°07'10.0"	19°15'14.0"	10°08'16.0"	1°09'09.0"	20°00'11.0"	20°00'11.0"	20°00'27.0"	28°00'29.0"	28°00'29.0"
W 2	10 41 44	12°03'12.0"	8°47'42.0"	18°35'28.0"	27°31'25.0"	25°00'13.0"	27°03'31.0"	0°11'19.0"	19°00'12.0"	10°10'17.0"	1°12'20.0"	20°00'12.0"	20°00'49.0"	20°00'27.0"	28°00'24.0"	28°00'24.0"
T 3	10 45 40	13°03'24.0"	22°02'24.0"	20°30'28.0"	28°36'24.0"	24°00'51.0"	27°04'43.0"	0°12'19.0"	19°09'09.0"	10°10'19.0"	1°12'20.0"	20°00'12.0"	20°00'46.0"	20°00'34.0"	28°00'20.0"	28°00'20.0"
F 4	10 49 37	14°03'35.0"	6°16'35.0"	22°25'29.0"	29°41'24.0"	24°00'30.0"	27°05'55.0"	0°12'19.0"	19°07'10.0"	10°10'20.0"	1°14'20.0"	20°00'13.0"	20°00'43.0"	20°00'41.0"	28°00'16.0"	28°00'16.0"
S 5	10 53 33	15°03'44.0"	20°16'20.0"	24°20'08.0"	45'24.0"	24°00'07.0"	28°06'09.0"	19°05'10.0"	19°05'10.0"	10°20'22.0"	1°15'20.0"	20°00'13.0"	20°00'40.0"	20°00'48.0"	28°00'11.0"	28°00'11.0"
S 6	10 57 30	16°03'50.0"	4°22'30.0"	26°15'14.0"	1°49'23.0"	23°45'28.0"	28°18'09.0"	19°02'10.0"	19°02'10.0"	10°23'17.0"	1°17'20.0"	20°00'14.0"	20°00'37.0"	20°00'54.0"	28°00'07.0"	28°00'07.0"
M 7	11 1 26	17°03'54.0"	18°34'28.0"	28°08'25.0"	23°22'28.0"	28°29'00.0"	28°29'00.0"	0°13'19.0"	19°00'25.0"	10°25'19.0"	1°19'20.0"	20°00'14.0"	20°00'33.0"	21°00'08.0"	28°00'03.0"	28°00'03.0"
T 8	11 5 23	18°03'56.0"	2°47'00.0"	0°1'35.0"	22°59'28.0"	28°41'09.0"	28°41'09.0"	0°14'18.0"	18°58'10.0"	10°26'19.0"	1°20'20.0"	20°00'14.0"	20°00'30.0"	21°00'08.0"	27°58'58.0"	27°58'58.0"
W 9	11 9 20	19°03'56.0"	17°0'15.0"	1°52'45.0"	22°35'28.0"	28°52'00.0"	28°52'00.0"	0°R14.0"	18°56'10.0"	10°28'19.0"	1°22'20.0"	20°00'14.0"	20°00'27.0"	21°14'27.0"	27°54'27.0"	27°54'27.0"
T 10	11 13 16	20°03'54.0"	1°10'34.0"	6°2'22.0"	22°12'29.0"	29°03'04.0"	29°03'04.0"	0°14'18.0"	18°54'10.0"	10°29'19.0"	1°24'20.0"	20°00'14.0"	20°00'24.0"	21°21'27.0"	27°50'27.0"	27°50'27.0"
F 11	11 17 13	21°03'50.0"	15°13'52.0"	7°4'21.0"	21°48'29.0"	29°14'00.0"	29°14'00.0"	0°13'18.0"	18°51'10.0"	10°31'25.0"	1°25'20.0"	20°00'14.0"	20°00'21.0"	21°28'27.0"	27°46'27.0"	27°46'27.0"
S 12	11 21 9	22°03'43.0"	29°8'7.0"	8°6'21.0"	21°25'29.0"	29°25'00.0"	29°25'00.0"	0°13'18.0"	18°49'10.0"	10°32'19.0"	1°27'20.0"	20°00'14.0"	20°00'18.0"	21°35'27.0"	27°42'27.0"	27°42'27.0"
S 13	11 25 6	23°03'34.0"	12°50'8.0"	8°53'9.0"	21°01'29.0"	29°36'00.0"	29°36'00.0"	0°13'18.0"	18°47'10.0"	10°34'19.0"	1°29'20.0"	20°00'14.0"	20°00'14.0"	21°41'27.0"	27°38'27.0"	27°38'27.0"
M 14	11 29 2	24°03'24.0"	26°17'10.0"	10°30'10.0"	20°38'29.0"	29°47'00.0"	29°47'00.0"	0°12'18.0"	18°45'10.0"	10°36'19.0"	1°30'20.0"	20°00'14.0"	20°00'11.0"	21°48'27.0"	27°34'27.0"	27°34'27.0"
T 15	11 32 59	25°03'11.0"	9°28'12.0"	12°3'11.0"	11°10'20.0"	29°58'00.0"	29°58'00.0"	0°12'18.0"	18°43'10.0"	10°37'19.0"	1°32'20.0"	20°00'14.0"	20°00'08.0"	21°55'27.0"	27°30'27.0"	27°30'27.0"
W 16	11 36 55	26°02'56.0"	22°22'13.0"	12°11'19.0"	19°51'08.0"	9°11'18.0"	9°11'18.0"	0°11'18.0"	18°41'10.0"	10°39'19.0"	1°33'20.0"	20°00'13.0"	20°00'05.0"	22°02'27.0"	27°26'27.0"	27°26'27.0"
T 17	11 40 52	27°02'40.0"	4°14'59.0"	13°11'19.0"	19°27'00.0"	0°19'10.0"	0°19'10.0"	0°10'18.0"	18°39'10.0"	10°41'19.0"	1°35'20.0"	20°00'12.0"	20°00'02.0"	22°08'27.0"	27°22'27.0"	27°22'27.0"
F 18	11 44 49	28°02'22.0"	17°20'16.0"	14°10'19.0"	18°38'10.0"	0°9'18.0"	0°9'18.0"	0°9'18.0"	18°38'10.0"	10°43'19.0"	1°36'20.0"	20°00'11.0"	19°58'22.0"	22°15'27.0"	27°19'27.0"	27°19'27.0"
S 19	11 48 45	29°02'02.0"	29°29'17.0"	15°9'18.0"	18°42'00.0"	0°40'8.0"	0°40'8.0"	0°8'18.0"	18°36'10.0"	10°44'19.0"	1°38'20.0"	20°00'10.0"	19°55'22.0"	22°22'27.0"	27°15'27.0"	27°15'27.0"
S 20	11 52 42	0°1'14.0"	11°28'18.0"	16°8'16.0"	18°19'00.0"	0°50'7.0"	0°50'7.0"	0°7'18.0"	18°34'10.0"	10°46'19.0"	1°40'20.0"	20°00'09.0"	19°52'22.0"	22°28'27.0"	27°12'27.0"	27°12'27.0"
M 21	11 56 38	1°1'17.0"	23°22'19.0"	17°6'17.0"	17°57'10.0"	1°0'0'6.0"	1°0'0'6.0"	0°6'18.0"	18°32'10.0"	10°48'19.0"	1°41'20.0"	20°00'09.0"	19°49'22.0"	22°35'27.0"	27°08'27.0"	27°08'27.0"
T 22	12 0 35	2°0'51.0"	5°15'20.0"	18°4'17.0"	17°35'11.0"	0°5'18.0"	0°5'18.0"	0°5'18.0"	18°31'10.0"	10°50'19.0"	1°43'20.0"	20°00'09.0"	19°46'22.0"	22°42'27.0"	27°05'27.0"	27°05'27.0"
W 23	12 4 31	3°0'24.0"	17°12'20.0"	19°1'17.0"	17°13'12.0"	0°4'18.0"	0°4'18.0"	0°4'18.0"	18°29'10.0"	10°52'19.0"	1°44'20.0"	20°00'09.0"	19°43'22.0"	22°49'27.0"	27°01'27.0"	27°01'27.0"
T 24	12 8 28	3°59'56.0"	29°18'21.0"	19°58'16.0"	16°52'13.0"	0°2'18.0"	0°2'18.0"	0°2'18.0"	18°27'10.0"	10°54'19.0"	1°46'20.0"	20°00'10.0"	19°39'22.0"	22°55'26.0"	26°58'26.0"	26°58'26.0"
F 25	12 12 24	4°59'25.0"	11°36'21.0"	21°59'20.0"	16°32'14.0"	0°1'18.0"	0°1'18.0"	0°1'18.0"	18°26'10.0"	10°55'19.0"	1°47'20.0"	20°00'11.0"	19°36'23.0"	23°02'26.0"	26°55'26.0"	26°55'26.0"
S 26	12 16 21	5°58'53.0"	24°10'22.0"	21°49'16.0"	16°12'15.0"	0°50'29.0"	0°50'29.0"	0°7'18.0"	18°24'10.0"	10°57'19.0"	1°49'20.0"	20°00'13.0"	19°33'23.0"	23°09'26.0"	26°52'26.0"	26°52'26.0"
S 27	12 20 18	6°58'19.0"	7°4'22.0"	22°31'22.0"	15°52'15.0"	0°9'29.0"	0°9'29.0"	0°9'29.0"	18°23'10.0"	10°59'19.0"	1°50'20.0"	20°00'14.0"	19°30'23.0"	23°15'26.0"	26°49'26.0"	26°49'26.0"
M 28	12 24 14	7°57'42.0"	20°19'22.0"	22°R35.0"	15°33'23.0"	2°8'29.0"	2°8'29.0"	2°8'29.0"	18°21'10.0"	10°59'19.0"	1°51'20.0"	20°00'14.0"	19°27'23.0"	23°22'26.0"	26°46'26.0"	26°46'26.0"
T 29	12 28 11	8°57'04.0"	3°55'22.0"	24°33'15.0"	15°15'20.0"	2°18'29.0"	2°18'29.0"	2°18'29.0"	18°20'10.0"	11°0'31.0"	1°53'20.0"	20°00'14.0"	19°24'23.0"	23°29'26.0"	26°43'26.0"	26°43'26.0"
W 30	12 32 7	9°56'24.0"	17°49'22.0"	25°26'14.0"	14°57'22.0"	2°27'29.0"	2°27'29.0"	2°27'29.0"	18°18'10.0"	11°0'51.0"	1°54'20.0"	20°00'12.0"	19°20'23.0"	23°36'26.0"	26°41'26.0"	26°41'26.0"
T 31	12 36 4	10°55'42.0"	2°0'22.0"	22°4'14.0"	14°40'22.0"	3°36'29.0"	3°36'29.0"	3°36'29.0"	18°17'10.0"	11°0'7.0"	1°56'20.0"	20°00'10.0"	19°17'23.0"	23°42'26.0"	26°38'26.0"	26°38'26.0"

Delta T = 119.24 sec.

APRIL 2044

00:00 UT

Day	Sid.t	☉	☽	♀	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
F 1	12 40 0	11°54'57.0"	16°20'21.0"	21°R40.0"	27°10'27.0"	14°R24.0"	2°45'29.0"	29°R47.0"	18°R16.0"	11°09'11.0"	1°57'19.0"	20°R7.0"	19°14'19.0"	23°49'26.0"	26°R36.0"	26°R36.0"
S 2	12 43 57	12°54'11.0"	0°11'47.0"	21°47'11.0"	28°01'14.0"	14°08'29.0"	2°53'29.0"	29°14'51.0"	18°15'29.0"	11°11'11.0"	1°58'20.0"	20°00'4.0"	19°11'23.0"	23°56'26.0"	26°33'26.0"	26°33'26.0"
S 3	12 47 53	13°53'22.0"	15°13'20.0"	20°37'28.0"	28°52'13.0"	3°02'29.0"	29°43'18.0"	18°14'11.0"	11°13'20.0"	2°0'20.0"	20°00'1.0"	19°08'24.0"	19°08'24.0"	24°03'26.0"	26°31'26.0"	26°31'26.0"
M 4	12 51 50	14°52'31.0"	29°35'19.0"	19°58'29.0"	29°41'13.0"	3°39'30.0"	29°40'18.0"	18°12'11.0"	11°15'20.0"	2°1'19.0"	19°59'19.0"	19°04'24.0"	19°04'24.0"	24°09'26.0"	26°29'26.0"	26°29'26.0"
T 5	12 55 47	15°51'38.0"	13°36'49.0"	19°15'00.0"	13°26'30.0"	3°19'30.0"	29°38'18.0"	18°11'11.0"	11°17'20.0"	2°2'19.0"	19°58'19.0"	19°01'24.0"	19°01'24.0"	24°16'26.0"	26°26'26.0"	26°26'26.0"
W 6	12 59 43	16°50'42.0"	27°52'18.0"	18°30'11.0"	13°13'30.0"	3°27'30.0"	29°35'18.0"	18°10'11.0"	11°20'20.0"	2°4'19.0"	19°59'18.0"	18°58'24.0"	18°58'24.0"	24°23'26.0"	26°24'26.0"	26°24'26.0"
T 7	13 3 40	17°49'44.0"	11°14'44.0"	17°44'20.0"	13°01'33.0"	3°35'30.0"	29°32'18.0"	18°9'11.0"	11°22'20.0"	2°5'20.0"	19°59'18.0"	18°55'24.0"	18°55'24.0"	24°29'26.0"	26°22'26.0"	26°22'26.0"
F 8	13 7 36	18°48'43.0"	25°24'16.0"	16°56'25.0"	12°50'34.0"	3°43'30.0"	29°30'18.0"	18°9'11.0"	11°24'20.0"	2°6'20.0"	19°59'18.0"	18°52'24.0"	18°52'24.0"	24°36'26.0"	26°21'26.0"	26°21'26.0"
S 9	13 11 33	19°47'40.0"	8°19'52.0"	16°9'33.0"	12°39'35.0"	3°51'29.0"	29°27'18.0"	18°8'11.0"	11°26'20.0"	2°7'20.0"	19°59'18.0"	18°49'24.0"	18°49'24.0"	24°43'26.0"	26°19'26.0"	26°19'26.0"
S 10	13 15 29	20°46'35.0"	22°7'15.0"	15°23'42.0"	12°30'42.0"	3°59'29.0"	29°24'18.0"	18°7'11.0"	11°28'20.0"	2°9'20.0"	19°59'18.0"	18°45'24.0"	18°45'24.0"	24°50'26.0"	26°17'26.0"	26°17'26.0"
M 11	13 19 26	21°45'28.0"	5°11'14.0"	14°39'50.0"	12°21'46.0"	4°6'29.0"	29°21'18.0"	18°6'11.0"	11°30'20.0"	2°10'20.0"	19°59'18.0"	18°42'24.0"	18°42'24.0"	24°56'26.0"	26°16'26.0"	26°16'26.0"
T 12	13 23 22	22°44'18.0"	18°2'13.0"	13°57'54.0"	12°13'41.0"	4°14'29.0"	29°18'18.0"	18°5'11.0"	11°32'20.0"	2°11'20.0"	19°59'18.0"	18°39'25.0"	18°39'25.0"	25°3'26.0"	26°14'26.0"	26°14'26.0"
W 13	13 27 19	23°43'07.0"	0°14'41.0"	13°19'6.0"	12°56'28.0"	4°21'29.0"	29°14'18.0"	18°5'11.0"	11°34'20.0"	2°12'20.0"	19°59'18.0"	18°36'25.0"	18°36'25.0"	25°10'26.0"	26°13'26.0"	26°13'26.0"
T 14	13 31 16	24°41'54.0"	13°7'12.0"	12°44'7.0"	11°59'42.0"	4°28'29.0"	29°11'18.0"	18°4'11.0"	11°37'20.0"	2°13'20.0"	19°59'18.0"	18°33'25.0"	18°33'25.0"	25°17'26.0"	26°12'26.0"	26°12'26.0"
F 15	13 35 12	25°40'39.0"	25°23'12.0"	12°14'7.0"	11°53'43.0"	4°35'29.0"	29°8'18.0"	18°4'11.0"	11°39'20.0"	2°15'20.0"	19°43'18.0"	18°30'25.0"	18°30'25.0"	25°23'26.0"	26°11'26.0"	26°11'26.0"
S 16	13 39 9	26°39'22.0"	7°27'49.0"	11°48'8.0"	11°48'8.0"	4°42'29.0"	29°5'18.0"	18°3'11.0"	11°41'20.0"	2°16'20.0"	19°37'18.0"	18°26'25.0"	18°26'25.0"	25°30'26.0"	26°10'26.0"	26°10'26.0"
S 17	13 43 5	27°38'03.0"	19°27'11.0"	9°1'11.0"	11°44'44.0"	4°48'29.0"	29°1'18.0"	18°3'11.0"	11°43'20.0"	2°17'20.0"	19°31'18.0"	18°23'25.0"	18°23'25.0"	25°37'26.0"	26°9'26.0"	26°9'26

SWISS EPHEMERIS for the year 2044

MAY 2044

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏
S 1	14 38 17	11♉16'42	25♈21	15♊8	14♈49	12♈4	6♉5	28°R 7	18♏2	12♉15	2♈30	18°R49	17♉39	27♉11	26♏8			
M 2	14 42 14	12°14'57	10♉2	15°55	15° 0	12°11	6°10	28♈3	18° 2	12°17	2°31	18♉44	17°36	27°18	26° 9			
T 3	14 46 10	13°13'10	24°28	16°46	15° 9	12°18	6°14	27°59	18° 3	12°19	2°31	18°40	17°32	27°24	26° 9			
W 4	14 50 7	14°11'21	8♉34	17°40	15°16	12°26	6°17	27°54	18° 3	12°21	2°32	18°D38	17°29	27°31	26°10			
T 5	14 54 3	15° 9'30	22°21	18°37	15°20	12°35	6°21	27°50	18° 4	12°24	2°33	18°38	17°26	27°38	26°12			
F 6	14 58 0	16° 7'37	5♈49	19°37	15°R22	12°44	6°25	27°46	18° 4	12°26	2°34	18°39	17°23	27°44	26°13			
S 7	15 1 56	17° 5'42	18°59	20°40	15°22	12°54	6°28	27°41	18° 5	12°28	2°34	18°R40	17°20	27°51	26°14			
S 8	15 5 53	18° 3'45	1♉55	21°46	15°19	13° 4	6°31	27°37	18° 6	12°30	2°35	18°39	17°16	27°58	26°15			
M 9	15 9 49	19° 1'46	14°39	22°54	15°14	13°15	6°34	27°33	18° 7	12°33	2°35	18°36	17°13	28° 5	26°17			
T 10	15 13 46	19°59'45	27°11	24° 5	15° 7	13°27	6°37	27°28	18° 7	12°35	2°36	18°30	17°10	28°11	26°19			
W11	15 17 43	20°57'43	9♈34	25°19	14°56	13°39	6°40	27°24	18° 8	12°37	2°37	18°22	17° 7	28°18	26°20			
T 12	15 21 39	21°55'39	21°48	26°35	14°44	13°52	6°42	27°19	18° 9	12°39	2°37	18°12	17° 4	28°25	26°22			
F 13	15 25 36	22°53'34	3♉55	27°54	14°29	14° 5	6°44	27°15	18°10	12°42	2°38	18° 0	17° 1	28°31	26°24			
S 14	15 29 32	23°51'27	15°55	29°15	14°12	14°18	6°47	27°10	18°11	12°44	2°38	17°48	16°57	28°38	26°26			
S 15	15 33 29	24°49'19	27°50	0♉38	13°52	14°33	6°48	27° 6	18°12	12°46	2°39	17°37	16°54	28°45	26°28			
M16	15 37 25	25°47'09	9♉42	2° 4	13°30	14°47	6°50	27° 1	18°13	12°48	2°39	17°27	16°51	28°52	26°31			
T 17	15 41 22	26°44'58	21°34	3°32	13° 6	15° 3	6°52	26°57	18°14	12°50	2°39	17°19	16°48	28°58	26°33			
W18	15 45 18	27°42'46	3♉28	5° 2	12°40	15°18	6°53	26°52	18°16	12°53	2°40	17°14	16°45	29° 5	26°35			
T 19	15 49 15	28°40'33	15°30	6°34	12°12	15°34	6°54	26°48	18°17	12°55	2°40	17°12	16°41	29°12	26°38			
F 20	15 53 12	29°38'18	27°44	8° 9	11°42	15°51	6°55	26°43	18°18	12°57	2°41	17°D11	16°38	29°19	26°41			
S 21	15 57 8	0♈36'03	10♉14	9°46	11°10	16° 8	6°56	26°39	18°19	12°59	2°41	17°R11	16°35	29°25	26°43			
S 22	16 1 5	1°33'46	23° 7	11°25	10°37	16°26	6°57	26°35	18°21	13° 1	2°41	17°11	16°32	29°32	26°46			
M23	16 5 1	2°31'28	6♊25	13° 6	10° 3	16°44	6°57	26°30	18°22	13° 4	2°41	17°10	16°29	29°39	26°49			
T 24	16 8 58	3°29'09	20°12	14°50	9°27	17° 2	6°57	26°26	18°24	13° 6	2°42	17° 6	16°26	29°45	26°52			
W25	16 12 54	4°26'49	4♉29	16°36	8°51	17°21	6°R57	26°21	18°25	13° 8	2°42	17° 0	16°22	29°52	26°56			
T 26	16 16 51	5°24'29	19°11	18°24	8°14	17°40	6°57	26°17	18°27	13°10	2°42	16°52	16°19	29°59	26°59			
F 27	16 20 47	6°22'07	4♈13	20°14	7°36	18° 0	6°57	26°12	18°29	13°12	2°42	16°42	16°16	0♉6	27° 2			
S 28	16 24 44	7°19'44	19°25	22° 6	6°59	18°20	6°56	26° 8	18°30	13°14	2°42	16°31	16°13	0°12	27° 6			
S 29	16 28 41	8°17'20	4♉36	24° 1	6°21	18°40	6°55	26° 4	18°32	13°16	2°42	16°21	16°10	0°19	27° 9			
M30	16 32 37	9°14'54	19°36	25°57	5°44	19° 1	6°54	25°59	18°34	13°18	2°43	16°12	16° 7	0°26	27°13			
T 31	16 36 34	10♈12'27	4♈18	27♉56	5♈7	19♈23	6♉53	25♈55	18♏36	13♉20	2♈43	16♉7	16♉3	0♉32	27♈17			

Delta T = 119.51 sec.

JUNE 2044

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏
W 1	16 40 30	11♈9'59	18♏35	29♉57	4°R31	19♈44	6°R52	25°R51	18♏38	13♉23	2♈43	16°R 3	16♉0	0♉39	27♏21			
T 2	16 44 27	12° 7'29	21♈26	1♈59	3♈56	20° 6	6°50	25♈47	18°40	13°25	2°R43	16♉2	15°57	0°46	27°25			
F 3	16 48 23	13° 4'58	15°53	4° 4	3°22	20°28	6°49	25°42	18°42	13°27	2°43	16° 2	15°54	0°53	27°29			
S 4	16 52 20	14° 2'26	28°58	6°10	2°50	20°51	6°47	25°38	18°44	13°29	2°43	16° 2	15°51	0°59	27°33			
S 5	16 56 16	14°59'52	11♉44	8°17	2°19	21°14	6°45	25°34	18°46	13°31	2°43	16° 0	15°47	1° 6	27°37			
M 6	17 0 13	15°57'18	24°16	10°26	1°50	21°37	6°43	25°30	18°48	13°33	2°42	15°56	15°44	1°13	27°41			
T 7	17 4 10	16°54'42	6♈35	12°36	1°23	22° 1	6°40	25°26	18°50	13°35	2°42	15°50	15°41	1°19	27°46			
W 8	17 8 6	17°52'05	18°46	14°47	0°58	22°25	6°38	25°22	18°52	13°36	2°42	15°40	15°38	1°26	27°50			
T 9	17 12 3	18°49'27	0♉50	16°59	0°34	22°49	6°35	25°18	18°54	13°38	2°42	15°29	15°35	1°33	27°55			
F 10	17 15 59	19°46'49	12°48	19°11	0°14	23°14	6°32	25°14	18°57	13°40	2°42	15°15	15°32	1°40	27°59			
S 11	17 19 56	20°44'09	24°43	21°23	29♉55	23°39	6°29	25°10	18°59	13°42	2°42	15° 1	15°28	1°46	28° 4			
S 12	17 23 52	21°41'29	6♉36	23°35	29°39	24° 4	6°25	25° 7	19° 1	13°44	2°41	14°48	15°25	1°53	28° 9			
M13	17 27 49	22°38'48	18°28	25°46	29°25	24°29	6°22	25° 3	19° 4	13°46	2°41	14°37	15°22	2° 0	28°14			
T 14	17 31 45	23°36'07	0♈20	27°57	29°13	24°55	6°18	24°59	19° 6	13°48	2°41	14°28	15°19	2° 6	28°19			
W15	17 35 42	24°33'25	12°17	0♉7	29° 4	25°21	6°14	24°56	19° 9	13°50	2°41	14°21	15°16	2°13	28°24			
T 16	17 39 39	25°30'42	24°20	2°15	28°58	25°48	6°10	24°52	19°11	13°51	2°40	14°18	15°13	2°20	28°29			
F 17	17 43 35	26°28'00	6♉34	4°23	28°54	26°14	6° 6	24°49	19°14	13°53	2°40	14°16	15° 9	2°27	28°34			
S 18	17 47 32	27°25'16	19° 4	6°29	28°D52	26°41	6° 2	24°45	19°16	13°55	2°40	14°D16	15° 6	2°33	28°40			
S 19	17 51 28	28°22'33	1♊53	8°33	28°52	27° 8	5°57	24°42	19°19	13°57	2°39	14°R16	15° 3	2°40	28°45			
M20	17 55 25	29°19'49	15° 7	10°35	28°55	27°35	5°52	24°39	19°22	13°58	2°39	14°15	15° 0	2°47	28°51			
T 21	17 59 21	0♉17'05	28°48	12°35	29° 0	28° 3	5°48	24°35	19°24	14° 0	2°38	14°13	14°57	2°54	28°56			
W22	18 3 18	1°14'21	12♉59	14°34	29° 8	28°31	5°43	24°32	19°27	14° 2	2°38	14° 8	14°53	3° 0	29° 2			
T 23	18 7 14	2°11'37	27°37	16°30	29°17	28°59	5°38	24°29	19°30	14° 3	2°37	14° 0	14°50	3° 7	29° 7			
F 24	18 11 11	3° 8'53	12♈38	18°24	29°29	29°27	5°32	24°26	19°33	14° 5	2°37	13°51	14°47	3°14	29°13			
S 25	18 15 8	4° 6'09	27°53	20°17	29°42	29°56	5°27	24°23	19°36	14° 7	2°36	13°41	14°44	3°20	29°19			
S 26	18 19 4	5° 3'24	13♉11	22° 6	29°58	0♉25	5°21	24°20	19°38	14° 8	2°36	13°32	14°41	3°27	29°25			
M27	18 23 1	6° 0'39	28°22	23°54	0♈15	0°54	5°15	24°17	19°41	14°10	2°35	13°24	14°38	3°34	29°31			
T 28	18 26 57	6°57'54	13♈14	25°40	0°34	1°23	5°10	24°15	19°44	14°11	2°35	13°18	14°34	3°41	29°37			
W29	18 30 54	7°55'08	27°43	27°23	0°55	1°52	5° 4	24°12	19°47	14°13	2°34	13°15	14°31	3°47	29°43			
T 30	18 34 50	8°52'21	11♈43	29♉4	1♈18	2♉22	4♉58	24♈10	19♏50	14♉14	2♈33	13°D15	14♉28	3♉54	29♈49			

Delta T = 119.65 sec.

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SWISS EPHEMERIS for the year 2044

JULY 2044

00:00 UT

Table with columns: Day, Sid.t, ☉, ☽, ♀, ♁, ♂, ♃, ♄, ♅, ♆, ♇, ♈, ♉, ♊, ♋, ♌, ♍, ♎, ♏, ♐, ♑. Contains astronomical data for July 2044.

Delta T = 119.78 sec.

AUGUST 2044

00:00 UT

Table with columns: Day, Sid.t, ☉, ☽, ♀, ♁, ♂, ♃, ♄, ♅, ♆, ♇, ♈, ♉, ♊, ♋, ♌, ♍, ♎, ♏, ♐, ♑. Contains astronomical data for August 2044.

Delta T = 119.92 sec.

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SWISS EPHEMERIS for the year 2044

SEPTEMBER 2044

00:00 UT

Day	Sid.t	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
T 1	22 43 13	9♎13'05	26♌57	21♊4	25♏18	9♍4	27°R52	24♍35	23♏34	14°R48	1°R24	11°R 6	11♎ 8	10♓57	7♎48
F 2	22 47 10	10°11'08	8♌49	22° 8	26°24	9°43	27♌48	24°39	23°38	14♌48	1♋23	11♋ 6	11° 5	11° 3	7°56
S 3	22 51 7	11° 9'13	20°42	23°18	27°30	10°23	27°44	24°42	23°41	14°47	1°21	11°D 6	11° 2	11°10	8° 5
S 4	22 55 3	12° 7'19	2♌40	24°35	28°36	11° 2	27°40	24°46	23°45	14°47	1°20	11° 6	10°58	11°17	8°13
M 5	22 59 0	13° 5'27	14°45	25°58	29°42	11°41	27°37	24°49	23°49	14°46	1°19	11° 6	10°55	11°24	8°21
T 6	23 2 56	14° 3'37	27° 1	27°26	0♌48	12°21	27°34	24°53	23°52	14°46	1°18	11° 6	10°52	11°30	8°30
W 7	23 6 53	15° 1'47	9♋29	28°58	1°54	13° 1	27°31	24°57	23°56	14°45	1°16	11°R 6	10°49	11°37	8°38
T 8	23 10 49	16° 0'00	22°11	0♎35	3° 1	13°40	27°28	25° 1	23°59	14°44	1°15	11° 6	10°46	11°44	8°46
F 9	23 14 46	16°58'15	5♎ 7	2°15	4° 8	14°20	27°25	25° 5	24° 3	14°44	1°14	11° 6	10°43	11°50	8°54
S 10	23 18 42	17°56'31	18°18	3°58	5°15	15° 0	27°22	25° 9	24° 6	14°43	1°13	11° 5	10°39	11°57	9° 3
S 11	23 22 39	18°54'49	1♌42	5°44	6°22	15°40	27°20	25°13	24°10	14°42	1°11	11° 4	10°36	12° 4	9°11
M12	23 26 36	19°53'09	15°18	7°32	7°30	16°20	27°18	25°17	24°13	14°41	1°10	11° 3	10°33	12°10	9°19
T 13	23 30 32	20°51'32	29° 7	9°22	8°38	17° 1	27°16	25°21	24°17	14°40	1° 9	11° 2	10°30	12°17	9°27
W14	23 34 29	21°49'57	13♌ 6	11°13	9°45	17°41	27°14	25°25	24°20	14°40	1° 8	11° 2	10°27	12°24	9°36
T 15	23 38 25	22°48'23	27°14	13° 5	10°53	18°21	27°13	25°30	24°24	14°39	1° 7	11°D 2	10°23	12°31	9°44
F 16	23 42 22	23°46'52	11♏29	14°57	12° 2	19° 2	27°11	25°34	24°27	14°38	1° 5	11° 2	10°20	12°37	9°52
S 17	23 46 18	24°45'24	25°49	16°50	13°10	19°43	27°10	25°39	24°30	14°37	1° 4	11° 3	10°17	12°44	10° 0
S 18	23 50 15	25°43'57	10♊10	18°43	14°19	20°23	27° 9	25°43	24°34	14°36	1° 3	11° 4	10°14	12°51	10° 8
M19	23 54 11	26°42'32	24°29	20°36	15°27	21° 4	27° 8	25°48	24°37	14°35	1° 2	11° 5	10°11	12°57	10°17
T 20	23 58 8	27°41'10	8♎42	22°28	16°36	21°45	27° 8	25°53	24°40	14°34	1° 1	11°R 6	10° 8	13° 4	10°25
W21	0 2 5	28°39'49	22°44	24°20	17°45	22°26	27° 7	25°58	24°44	14°33	1° 0	11° 5	10° 4	13°11	10°33
T22	0 6 1	29°38'31	6♏32	26°12	18°54	23° 7	27° 7	26° 3	24°47	14°32	0°59	11° 4	10° 1	13°17	10°41
F 23	0 9 58	0♌37'14	20° 2	28° 2	20° 3	23°48	27°D 7	26° 8	24°50	14°31	0°58	11° 2	9°58	13°24	10°49
S 24	0 13 54	1°35'59	3♍13	29°53	21°13	24°30	27° 7	26°13	24°53	14°30	0°56	10°59	9°55	13°31	10°57
S 25	0 17 51	2°34'46	16° 5	1♌42	22°22	25°11	27° 8	26°18	24°56	14°28	0°55	10°56	9°52	13°38	11° 5
M26	0 21 47	3°33'35	28°38	3°30	23°32	25°53	27° 8	26°23	24°59	14°27	0°54	10°52	9°48	13°44	11°13
T 27	0 25 44	4°32'26	10♌57	5°18	24°42	26°34	27° 9	26°28	25° 3	14°26	0°53	10°50	9°45	13°51	11°21
W28	0 29 40	5°31'18	22°59	7° 5	25°52	27°16	27°10	26°33	25° 6	14°25	0°52	10°48	9°42	13°58	11°29
T 29	0 33 37	6°30'13	4♌55	8°51	27° 2	27°58	27°11	26°39	25° 9	14°24	0°51	10°D47	9°39	14° 4	11°37
F 30	0 37 34	7♌29'09	16♌47	10♌36	28♌12	28♍40	27♌12	26♍44	25♏12	14♎22	0♎50	10♎48	9♎36	14♓11	11♎45

Delta T = 120.06 sec.

OCTOBER 2044

00:00 UT

Day	Sid.t	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
S 1	0 41 30	8♌28'06	28♌40	12♌20	29♏22	29♍21	27♌14	26♍50	25♏15	14°R21	0°R49	10♎49	9♎33	14♓18	11♎52
S 2	0 45 27	9°27'06	10♌38	14° 3	0♎33	0♌ 3	27°16	26°55	25°18	14♌20	0♎48	10°51	9°29	14°24	12° 0
M 3	0 49 23	10°26'07	22°47	15°46	1°43	0°46	27°18	27° 1	25°21	14°18	0°47	10°52	9°26	14°31	12° 8
T 4	0 53 20	11°25'10	5♋10	17°27	2°54	1°28	27°20	27° 6	25°23	14°17	0°46	10°R53	9°23	14°38	12°16
W 5	0 57 16	12°24'15	17°50	19° 8	4° 5	2°10	27°22	27°12	25°26	14°16	0°46	10°53	9°20	14°45	12°23
T 6	1 1 13	13°23'22	0♎49	20°48	5°16	2°52	27°24	27°18	25°29	14°14	0°45	10°52	9°17	14°51	12°31
F 7	1 5 9	14°22'30	14° 7	22°27	6°27	3°35	27°27	27°24	25°32	14°13	0°44	10°48	9°14	14°58	12°39
S 8	1 9 6	15°21'41	27°43	24° 5	7°38	4°17	27°30	27°29	25°35	14°12	0°43	10°44	9°10	15° 5	12°46
S 9	1 13 3	16°20'54	11♌35	25°42	8°49	5° 0	27°33	27°35	25°37	14°10	0°42	10°38	9° 7	15°11	12°54
M10	1 16 59	17°20'09	25°38	27°19	10° 1	5°43	27°36	27°41	25°40	14° 9	0°41	10°33	9° 4	15°18	13° 1
T 11	1 20 56	18°19'27	9♏49	28°55	11°12	6°26	27°40	27°47	25°43	14° 7	0°40	10°27	9° 1	15°25	13° 9
W12	1 24 52	19°18'46	24° 3	0♍30	12°24	7° 8	27°43	27°53	25°45	14° 6	0°40	10°23	8°58	15°31	13°16
T 13	1 28 49	20°18'08	8♏17	2° 5	13°35	7°51	27°47	27°59	25°48	14° 4	0°39	10°21	8°54	15°38	13°24
F 14	1 32 45	21°17'33	22°28	3°39	14°47	8°34	27°51	28° 6	25°50	14° 3	0°38	10°D20	8°51	15°45	13°31
S 15	1 36 42	22°17'00	6♌34	5°12	15°59	9°17	27°55	28°12	25°53	14° 1	0°38	10°21	8°48	15°52	13°38
S 16	1 40 38	23°16'29	20°35	6°44	17°11	10° 1	28° 0	28°18	25°55	14° 0	0°37	10°22	8°45	15°58	13°45
M17	1 44 35	24°16'00	4♎28	8°16	18°23	10°44	28° 4	28°24	25°57	13°58	0°36	10°R23	8°42	16° 5	13°53
T 18	1 48 32	25°15'33	18°14	9°47	19°35	11°27	28° 9	28°31	26° 0	13°56	0°35	10°23	8°39	16°12	14° 0
W19	1 52 28	26°15'09	1♌49	11°18	20°48	12°11	28°14	28°37	26° 2	13°55	0°35	10°21	8°35	16°18	14° 7
T 20	1 56 25	27°14'47	15°14	12°48	22° 0	12°54	28°19	28°43	26° 4	13°53	0°34	10°17	8°32	16°25	14°14
F 21	2 0 21	28°14'27	28°27	14°17	23°12	13°38	28°24	28°50	26° 7	13°52	0°34	10°10	8°29	16°32	14°21
S 22	2 4 18	29°14'09	11♍25	15°46	24°25	14°21	28°29	28°56	26° 9	13°50	0°33	10° 2	8°26	16°38	14°28
S 23	2 8 14	0♍13'53	24° 8	17°13	25°38	15° 5	28°35	29° 3	26°11	13°48	0°33	9°53	8°23	16°45	14°34
M24	2 12 11	1°13'39	6♌36	18°41	26°50	15°49	28°41	29° 9	26°13	13°47	0°32	9°43	8°20	16°52	14°41
T 25	2 16 7	2°13'26	18°50	20° 7	28° 3	16°33	28°47	29°16	26°15	13°45	0°32	9°35	8°16	16°58	14°48
W26	2 20 4	3°13'16	0♌53	21°33	29°16	17°17	28°53	29°23	26°17	13°44	0°31	9°28	8°13	17° 5	14°54
T 27	2 24 1	4°13'07	12°47	22°58	0♌29	18° 1	28°59	29°29	26°19	13°42	0°31	9°23	8°10	17°12	15° 1
F 28	2 27 57	5°13'00	24°37	24°23	1°42	18°45	29° 5	29°36	26°21	13°40	0°30	9°20	8° 7	17°19	15° 8
S 29	2 31 54	6°12'54	6♌28	25°46	2°55	19°29	29°12	29°43	26°23	13°39	0°30	9°D19	8° 4	17°25	15°14
S 30	2 35 50	7°12'51	18°25	27° 9	4° 8	20°14	29°19	29°50	26°24	13°37	0°29	9°20	8° 0	17°32	15°20
M31	2 39 47	8♍12'48	0♎33	28♍31	5♌21	20♌58	29♌25	29♍56	26♏26	13♎35	0♎29	9♎21	7♎57	17♓39	15♎27

Delta T = 120.19 sec.

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SWISS EPHEMERIS for the year 2044

NOVEMBER 2044

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♅	♆	♇
T 1	2 43 43	9 ^m 12'48	12 ^h 57	29 ^m 51	6 ^h 35	21 ^m 42	29 ^h 32	0 ^h 3	26 ^h 28	13 ^h 33	0 ^h R29	9 ^h R21	7 ^h 54	17 ^h 35	15 ^h 33
W 2	2 47 40	10°12'49	25°42	1 ^h 11	7°48	22°27	29°40	0°10	26°29	13°32	0 ^h X28	9 ^h X20	7°51	17°52	15°39
T 3	2 51 36	11°12'51	8 ^h Y51	2°30	9° 1	23°11	29°47	0°17	26°31	13°30	0°28	9°16	7°48	17°59	15°45
F 4	2 55 33	12°12'56	22°24	3°47	10°15	23°56	29°54	0°24	26°32	13°28	0°28	9°10	7°45	18° 5	15°51
S 5	2 59 29	13°13'02	6 ^h B22	5° 3	11°28	24°40	0 ^h ∞ 2	0°31	26°34	13°27	0°28	9° 1	7°41	18°12	15°57
S 6	3 3 26	14°13'10	20°40	6°17	12°42	25°25	0°10	0°38	26°35	13°25	0°28	8°51	7°38	18°19	16° 3
M 7	3 7 23	15°13'19	5 ^h II12	7°30	13°56	26°10	0°18	0°45	26°37	13°23	0°27	8°40	7°35	18°25	16° 9
T 8	3 11 19	16°13'31	19°51	8°41	15° 9	26°55	0°26	0°52	26°38	13°22	0°27	8°30	7°32	18°32	16°15
W 9	3 15 16	17°13'45	4 ^h B30	9°50	16°23	27°40	0°34	0°59	26°39	13°20	0°27	8°22	7°29	18°39	16°20
T 10	3 19 12	18°14'01	19° 1	10°56	17°37	28°25	0°42	1° 6	26°41	13°18	0°27	8°17	7°26	18°46	16°26
F 11	3 23 9	19°14'19	3 ^h Ω22	12° 0	18°51	29°10	0°51	1°13	26°42	13°17	0°27	8°14	7°22	18°52	16°32
S 12	3 27 5	20°14'38	17°28	13° 0	20° 5	29°55	0°59	1°20	26°43	13°15	0°27	8°D13	7°19	18°59	16°37
S 13	3 31 2	21°15'00	1 ^h η20	13°58	21°19	0 ^h 340	1° 8	1°27	26°44	13°13	0°D27	8°R13	7°16	19° 6	16°42
M 14	3 34 59	22°15'23	14°57	14°51	22°33	1°25	1°17	1°34	26°45	13°12	0°27	8°13	7°13	19°12	16°48
T 15	3 38 55	23°15'49	28°22	15°41	23°47	2°10	1°26	1°41	26°46	13°10	0°27	8°11	7°10	19°19	16°53
W 16	3 42 52	24°16'16	11 ^h Ω35	16°25	25° 1	2°56	1°35	1°48	26°47	13° 8	0°27	8° 7	7° 6	19°26	16°58
T 17	3 46 48	25°16'45	24°37	17° 5	26°15	3°41	1°45	1°55	26°48	13° 7	0°27	8° 0	7° 3	19°32	17° 3
F 18	3 50 45	26°17'16	7 ^h η28	17°38	27°30	4°27	1°54	2° 2	26°49	13° 5	0°27	7°50	7° 0	19°39	17° 8
S 19	3 54 41	27°17'49	20° 8	18° 4	28°44	5°12	2° 3	2° 9	26°49	13° 3	0°27	7°38	6°57	19°46	17°13
S 20	3 58 38	28°18'23	2 ^h 37	18°23	29°58	5°58	2°13	2°16	26°50	13° 2	0°28	7°24	6°54	19°52	17°17
M 21	4 2 34	29°18'59	14°55	18°34	1 ^h η13	6°43	2°23	2°23	26°51	13° 0	0°28	7° 9	6°51	19°59	17°22
T 22	4 6 31	0 ^h 19'36	27° 2	18°R36	2°27	7°29	2°33	2°31	26°51	12°59	0°28	6°56	6°47	20° 6	17°26
W 23	4 10 28	1°20'14	9 ^h 3	18°28	3°41	8°15	2°43	2°38	26°52	12°57	0°28	6°44	6°44	20°12	17°31
T 24	4 14 24	2°20'54	20°52	18°10	4°56	9° 1	2°53	2°45	26°52	12°55	0°28	6°36	6°41	20°19	17°35
F 25	4 18 21	3°21'35	2 ^h ∞40	17°41	6°10	9°46	3° 3	2°52	26°53	12°54	0°29	6°30	6°38	20°26	17°39
S 26	4 22 17	4°22'17	14°29	17° 2	7°25	10°32	3°14	2°59	26°53	12°52	0°29	6°27	6°35	20°33	17°44
S 27	4 26 14	5°23'00	26°22	16°12	8°40	11°18	3°24	3° 6	26°53	12°51	0°29	6°26	6°32	20°39	17°48
M 28	4 30 10	6°23'44	8 ^h X27	15°12	9°54	12° 4	3°35	3°13	26°53	12°49	0°30	6°25	6°28	20°46	17°52
T 29	4 34 7	7°24'29	20°47	14° 3	11° 9	12°50	3°45	3°21	26°54	12°48	0°30	6°25	6°25	20°53	17°55
W 30	4 38 3	8 ^h 25'15	3 ^h Y29	12 ^h 47	12 ^h 23	13 ^h 36	3 ^h ∞56	3 ^h 28	26 ^h 54	12 ^h 46	0 ^h X31	6 ^h X23	6 ^h X22	20 ^h 59	17 ^h 59

Delta T = 120.33 sec.

DECEMBER 2044

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♅	♆	♇
T 1	4 42 0	9 ^h 26'02	16 ^h Y38	11°R27	13 ^h η38	14 ^h 323	4 ^h ∞ 7	3 ^h X35	26 ^h Ω54	12°R45	0 ^h X31	6°R19	6 ^h X19	21 ^h 3 6	18 ^h η 3
F 2	4 45 57	10°26'50	0 ^h B14	10 ^h 7 4	14°53	15° 9	4°18	3°42	26°R54	12°B43	0°32	6 ^h X13	6°16	21°13	18° 6
S 3	4 49 53	11°27'40	14°21	8°42	16° 8	15°55	4°29	3°49	26°54	12°42	0°32	6° 3	6°12	21°19	18°10
S 4	4 53 50	12°28'30	28°53	7°23	17°22	16°41	4°40	3°56	26°54	12°40	0°33	5°52	6° 9	21°26	18°13
M 5	4 57 46	13°29'21	13 ^h II45	6°11	18°37	17°28	4°52	4° 3	26°53	12°39	0°33	5°40	6° 6	21°33	18°16
T 6	5 1 43	14°30'13	28°48	5° 6	19°52	18°14	5° 3	4°10	26°53	12°38	0°34	5°29	6° 3	21°39	18°20
W 7	5 5 39	15°31'07	13 ^h B53	4°11	21° 7	19° 0	5°14	4°17	26°53	12°36	0°34	5°19	6° 0	21°46	18°23
T 8	5 9 36	16°32'01	28°48	3°27	22°22	19°47	5°26	4°24	26°53	12°35	0°35	5°13	5°57	21°53	18°26
F 9	5 13 33	17°32'57	13 ^h Ω28	2°54	23°37	20°33	5°38	4°31	26°52	12°34	0°36	5° 9	5°53	21°59	18°28
S 10	5 17 29	18°33'54	27°48	2°33	24°52	21°20	5°49	4°38	26°52	12°32	0°36	5° 7	5°50	22° 6	18°31
S 11	5 21 26	19°34'52	11 ^h η45	2°D22	26° 7	22° 6	6° 1	4°45	26°51	12°31	0°37	5°D 7	5°47	22°13	18°34
M 12	5 25 22	20°35'51	25°21	2°23	27°22	22°53	6°13	4°52	26°51	12°30	0°38	5°R 7	5°44	22°19	18°36
T 13	5 29 19	21°36'51	8 ^h Ω37	2°33	28°37	23°40	6°25	4°59	26°50	12°28	0°39	5° 6	5°41	22°26	18°38
W 14	5 33 15	22°37'52	21°37	2°52	29°52	24°26	6°37	5° 6	26°49	12°27	0°39	5° 3	5°38	22°33	18°41
T 15	5 37 12	23°38'55	4 ^h η22	3°19	1 ^h X 7	25°13	6°49	5°13	26°49	12°26	0°40	4°56	5°34	22°40	18°43
F 16	5 41 8	24°39'58	16°56	3°54	2°22	26° 0	7° 2	5°20	26°48	12°25	0°41	4°47	5°31	22°46	18°45
S 17	5 45 5	25°41'03	29°19	4°35	3°37	26°47	7°14	5°27	26°47	12°24	0°42	4°36	5°28	22°53	18°47
S 18	5 49 2	26°42'08	11 ^h X33	5°22	4°52	27°33	7°26	5°34	26°46	12°23	0°43	4°23	5°25	23° 0	18°49
M 19	5 52 58	27°43'14	23°39	6°14	6° 7	28°20	7°39	5°41	26°45	12°22	0°44	4° 9	5°22	23° 6	18°50
T 20	5 56 55	28°44'20	5 ^h 38	7°11	7°22	29° 7	7°51	5°47	26°44	12°21	0°44	3°57	5°18	23°13	18°52
W 21	6 0 51	29°45'27	17°32	8°12	8°37	29°54	8° 4	5°54	26°43	12°20	0°45	3°46	5°15	23°20	18°53
T 22	6 4 48	0 ^h 346'34	29°21	9°16	9°52	0 ^h ∞41	8°17	6° 1	26°42	12°19	0°46	3°38	5°12	23°26	18°55
F 23	6 8 44	1°47'42	11 ^h ∞ 8	10°24	11° 8	1°28	8°30	6° 7	26°41	12°18	0°47	3°32	5° 9	23°33	18°56
S 24	6 12 41	2°48'50	22°57	11°34	12°23	2°15	8°42	6°14	26°40	12°17	0°48	3°29	5° 6	23°40	18°57
S 25	6 16 37	3°49'58	4 ^h X50	12°46	13°38	3° 2	8°55	6°21	26°39	12°16	0°49	3°D29	5° 3	23°46	18°58
M 26	6 20 34	4°51'07	16°52	14° 1	14°53	3°49	9° 8	6°27	26°38	12°15	0°50	3°29	4°59	23°53	18°59
T 27	6 24 31	5°52'15	29°10	15°17	16° 8	4°36	9°21	6°34	26°36	12°14	0°52	3°30	4°56	24° 0	18°59
W 28	6 28 27	6°53'23	11 ^h Y46	16°35	17°23	5°23	9°34	6°40	26°35	12°13	0°53	3°R30	4°53	24° 6	19° 0
T 29	6 32 24	7°54'31	24°48	17°55	18°39	6°10	9°48	6°47	26°33	12°12	0°54	3°29	4°50	24°13	19° 1
F 30	6 36 20	8°55'40	8 ^h B17	19°15	19°54	6°58	10° 1	6°53	26°32	12°12	0°55	3°25	4°47	24°20	19° 1
S 31	6 40 17	9 ^h 56'48	22 ^h B17	20 ^h 37	21 ^h X 9	7 ^h ∞45	10 ^h ∞14	7 ^h X 0	26 ^h Ω30	12 ^h B11	0 ^h X56	3 ^h X19	4 ^h X44	24 ^h 36	19 ^h η 1

Delta T = 120.47 sec.

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