

# SWISS EPHEMERIS for the year 2058

JANUARY 2058

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	6 43 36	10♌47'52	1♏23	20♌34	11♌55	16♌19	13♌5	29♏7	28♌26	11♏R56	17♌29	24♏R 7	23♏14	13♌18	11♌26
W 2	6 47 32	11°49'01	14°35	21°55	13°11	17° 5	13°16	29° 7	28°27	11♏55	17°30	24°D 7	23°11	13°25	11°30
T 3	6 51 29	12°50'10	27°23	23°16	14°26	17°52	13°26	29° 7	28°29	11°53	17°31	24°II 8	23° 8	13°31	11°34
F 4	6 55 25	13°51'19	9♌52	24°39	15°42	18°38	13°37	29° 8	28°31	11°52	17°31	24° 9	23° 5	13°38	11°39
S 5	6 59 22	14°52'27	22° 6	26° 3	16°57	19°24	13°47	29° 8	28°32	11°51	17°32	24°11	23° 2	13°45	11°43
S 6	7 3 19	15°53'35	4♏8	27°27	18°13	20°11	13°58	29° 9	28°34	11°49	17°33	24°12	22°59	13°51	11°47
M 7	7 7 15	16°54'43	16° 3	28°52	19°28	20°57	14° 9	29°10	28°35	11°48	17°34	24°14	22°55	13°58	11°52
T 8	7 11 12	17°55'51	27°52	0♌19	20°44	21°44	14°20	29°10	28°36	11°47	17°35	24°R14	22°52	14° 5	11°56
W 9	7 15 8	18°56'58	9♌40	1°45	21°59	22°30	14°31	29°11	28°38	11°45	17°36	24°13	22°49	14°11	12° 1
T 10	7 19 5	19°58'06	21°29	3°13	23°14	23°17	14°42	29°12	28°39	11°44	17°37	24°10	22°46	14°18	12° 5
F 11	7 23 1	20°59'13	3♏20	4°41	24°30	24° 3	14°53	29°13	28°40	11°43	17°38	24° 7	22°43	14°24	12° 9
S 12	7 26 58	22° 0'19	15°15	6° 9	25°45	24°50	15° 5	29°15	28°42	11°42	17°39	24° 2	22°40	14°31	12°14
S 13	7 30 55	23° 1'26	27°17	7°39	27° 1	25°36	15°16	29°16	28°43	11°40	17°40	23°56	22°36	14°38	12°18
M14	7 34 51	24° 2'32	9♏26	9° 8	28°16	26°23	15°28	29°17	28°44	11°39	17°41	23°51	22°33	14°44	12°23
T 15	7 38 48	25° 3'38	21°46	10°39	29°32	27°10	15°39	29°19	28°45	11°38	17°42	23°46	22°30	14°51	12°27
W16	7 42 44	26° 4'44	4♌20	12°10	0♌47	27°56	15°51	29°21	28°46	11°37	17°43	23°43	22°27	14°58	12°32
T 17	7 46 41	27° 5'50	17°10	13°41	2° 2	28°43	16° 3	29°23	28°47	11°36	17°44	23°41	22°24	15° 4	12°37
F 18	7 50 37	28° 6'56	0♏19	15°13	3°18	29°30	16°15	29°24	28°47	11°35	17°45	23°D40	22°20	15°11	12°41
S 19	7 54 34	29° 8'01	13°50	16°45	4°33	0♌17	16°27	29°26	28°48	11°34	17°46	23°41	22°17	15°18	12°46
S 20	7 58 30	0♌9'06	27°45	18°19	5°49	1° 4	16°39	29°29	28°49	11°33	17°47	23°43	22°14	15°24	12°50
M21	8 2 27	1°10'11	12♌5	19°52	7° 4	1°50	16°51	29°31	28°50	11°32	17°48	23°44	22°11	15°31	12°55
T 22	8 6 24	2°11'16	26°48	21°26	8°19	2°37	17° 3	29°33	28°50	11°31	17°49	23°R44	22° 8	15°38	13° 0
W23	8 10 20	3°12'20	11♌48	23° 1	9°35	3°24	17°16	29°36	28°51	11°30	17°51	23°43	22° 5	15°44	13° 4
T 24	8 14 17	4°13'24	26°59	24°36	10°50	4°11	17°28	29°38	28°51	11°29	17°52	23°40	22° 1	15°51	13° 9
F 25	8 18 13	5°14'27	12♌11	26°12	12° 6	4°58	17°41	29°41	28°52	11°28	17°53	23°35	21°58	15°58	13°13
S 26	8 22 10	6°15'29	27°14	27°49	13°21	5°45	17°53	29°43	28°52	11°27	17°54	23°28	21°55	16° 4	13°18
S 27	8 26 6	7°16'30	11♌58	29°26	14°36	6°32	18° 6	29°46	28°53	11°26	17°56	23°21	21°52	16°11	13°23
M28	8 30 3	8°17'30	26°16	1♌3	15°52	7°19	18°19	29°49	28°53	11°26	17°57	23°14	21°49	16°18	13°27
T 29	8 33 59	9°18'28	10♏5	2°42	17° 7	8° 6	18°31	29°52	28°53	11°25	17°58	23° 9	21°46	16°24	13°32
W30	8 37 56	10°19'26	23°25	4°21	18°22	8°53	18°44	29°55	28°53	11°24	17°59	23° 5	21°42	16°31	13°37
T 31	8 41 53	11°20'22	6♌18	6♌1	19°37	9°41	18°57	29°59	28°53	11°24	18° 1	23°D 4	21°II39	16°38	13°42

Delta T = 135.61 sec.

FEBRUARY 2058

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	8 45 49	12°21'18	18♌47	7°41	20°53	10°28	19°10	0♌2	28°53	11°R23	18♌2	23°II 4	21°II36	16°54	13°46
S 2	8 49 46	13°22'12	0♏58	9°22	22° 8	11°15	19°23	0° 6	28°R53	11°II22	18° 3	23° 5	21°33	16°51	13°51
S 3	8 53 42	14°23'04	12°57	11° 4	23°23	12° 2	19°37	0° 9	28°53	11°22	18° 5	23° 6	21°30	16°58	13°56
M 4	8 57 39	15°23'56	24°47	12°46	24°38	12°49	19°50	0°13	28°53	11°21	18° 6	23°R 7	21°26	17° 4	14° 0
T 5	9 1 35	16°24'46	6♌34	14°30	25°54	13°36	20° 3	0°16	28°53	11°21	18° 7	23° 5	21°23	17°11	14° 5
W 6	9 5 32	17°25'34	18°21	16°14	27° 9	14°24	20°16	0°20	28°53	11°20	18° 9	23° 2	21°20	17°18	14°10
T 7	9 9 28	18°26'22	0♏12	17°58	28°24	15°11	20°30	0°24	28°53	11°20	18°10	22°56	21°17	17°24	14°14
F 8	9 13 25	19°27'08	12° 8	19°44	29°39	15°58	20°43	0°28	28°52	11°19	18°12	22°48	21°14	17°31	14°19
S 9	9 17 22	20°27'53	24°13	21°30	0♌54	16°45	20°57	0°32	28°52	11°19	18°13	22°37	21°11	17°38	14°24
S 10	9 21 18	21°28'37	6♏27	23°17	2° 9	17°32	21°10	0°36	28°51	11°18	18°15	22°26	21° 7	17°44	14°28
M11	9 25 15	22°29'19	18°50	25° 4	3°25	18°20	21°24	0°41	28°51	11°18	18°16	22°14	21° 4	17°51	14°33
T 12	9 29 11	23°30'00	1♌23	26°53	4°40	19° 7	21°38	0°45	28°50	11°18	18°17	22° 4	21° 1	17°58	14°38
W13	9 33 8	24°30'40	14° 8	28°42	5°55	19°54	21°51	0°50	28°50	11°18	18°19	21°55	20°58	18° 4	14°42
T 14	9 37 4	25°31'19	27° 5	0♌31	7°10	20°42	22° 5	0°54	28°49	11°17	18°20	21°49	20°55	18°11	14°47
F 15	9 41 1	26°31'57	10♏16	2°21	8°25	21°29	22°19	0°59	28°48	11°17	18°22	21°45	20°52	18°18	14°51
S 16	9 44 57	27°32'33	23°43	4°12	9°40	22°16	22°33	1° 3	28°48	11°17	18°23	21°D44	20°48	18°24	14°56
S 17	9 48 54	28°33'09	7♌28	6° 2	10°55	23° 4	22°47	1° 8	28°47	11°17	18°25	21°44	20°45	18°31	15° 1
M18	9 52 51	29°33'43	21°32	7°53	12°10	23°51	23° 0	1°13	28°46	11°17	18°26	21°R44	20°42	18°37	15° 5
T 19	9 56 47	0♌34'16	5♌54	9°44	13°25	24°38	23°14	1°18	28°45	11°17	18°28	21°44	20°39	18°44	15°10
W20	10 0 44	1°34'48	20°33	11°35	14°40	25°26	23°28	1°23	28°44	11°D17	18°29	21°41	20°36	18°51	15°14
T 21	10 4 40	2°35'19	5♌25	13°25	15°55	26°13	23°42	1°28	28°43	11°17	18°31	21°35	20°32	18°57	15°19
F 22	10 8 37	3°35'48	20°21	15°15	17°10	27° 0	23°57	1°33	28°42	11°17	18°32	21°27	20°29	19° 4	15°23
S 23	10 12 33	4°36'16	5♌13	17° 3	18°25	27°48	24°11	1°39	28°41	11°17	18°34	21°16	20°26	19°11	15°28
S 24	10 16 30	5°36'41	19°53	18°51	19°39	28°35	24°25	1°44	28°40	11°17	18°36	21° 5	20°23	19°17	15°32
M25	10 20 26	6°37'06	4♏12	20°36	20°54	29°22	24°39	1°49	28°39	11°17	18°37	20°53	20°20	19°24	15°37
T 26	10 24 23	7°37'28	18° 5	22°20	22° 9	0♌10	24°53	1°55	28°37	11°17	18°39	20°43	20°17	19°31	15°41
W27	10 28 19	8°37'48	1♌30	24° 1	23°24	0°57	25° 7	2° 0	28°36	11°18	18°40	20°36	20°13	19°37	15°45
T 28	10 32 16	9♌38'07	14♌28	25°39	24°39	1♌45	25°22	2° 6	28°35	11°II18	18°42	20°II31	20°II10	19°34	15°50

Delta T = 135.77 sec.

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# SWISS EPHEMERIS for the year 2058

MARCH 2058

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	10 36 13	10°38'23	27°8'2	27°13'13	25°53'53	2°32'32	25°36'36	2°12'12	28°R33	11°18'18	18°43'43	20°R29	20°11'7	19°55'51	15°54'54
S 2	10 40 9	11°38'38	9°11'16	28°42'42	27°8'8	3°19'19	25°50'50	2°17'17	28°32'32	11°18'18	18°45'45	20°D28	20°4'4	19°57'57	15°58'58
S 3	10 44 6	12°38'51	21°15'15	0°7'7	28°23'23	4°7'7	26°5'5	2°23'23	28°30'30	11°19'19	18°46'46	20°R28	20°1'1	20°4'4	16°3'3
M 4	10 48 2	13°39'01	3°6'6	1°26'26	29°37'37	4°54'54	26°19'19	2°29'29	28°29'29	11°19'19	18°48'48	20°11'28	19°58'58	20°11'11	16°7'7
T 5	10 51 59	14°39'10	14°53'53	2°40'40	0°52'52	5°41'41	26°33'33	2°35'35	28°27'27	11°20'20	18°50'50	20°26'26	19°54'54	20°17'17	16°11'11
W 6	10 55 55	15°39'16	26°42'42	3°46'46	2°7'7	6°29'29	26°48'48	2°41'41	28°26'26	11°20'20	18°51'51	20°21'21	19°51'51	20°24'24	16°15'15
T 7	10 59 52	16°39'20	8°23'23	4°46'46	3°21'21	7°16'16	27°2'2	2°47'47	28°24'24	11°21'21	18°53'53	20°14'14	19°48'48	20°31'31	16°20'20
F 8	11 3 48	17°39'23	20°40'40	5°38'38	4°36'36	8°3'3	27°17'17	2°53'53	28°22'22	11°21'21	18°54'54	20°4'4	19°45'45	20°37'37	16°24'24
S 9	11 7 45	18°39'23	2°55'55	6°22'22	5°50'50	8°50'50	27°31'31	2°59'59	28°20'20	11°22'22	18°56'56	19°52'52	19°42'42	20°44'44	16°28'28
S 10	11 11 42	19°39'21	15°22'22	6°57'57	7°5'5	9°38'38	27°46'46	3°6'6	28°19'19	11°22'22	18°58'58	19°38'38	19°38'38	20°51'51	16°32'32
M 11	11 15 38	20°39'18	28°2'2	7°24'24	8°19'19	10°25'25	28°0'0	3°12'12	28°17'17	11°23'23	18°59'59	19°24'24	19°35'35	20°57'57	16°36'36
T 12	11 19 35	21°39'12	10°55'55	7°42'42	9°34'34	11°12'12	28°15'15	3°18'18	28°15'15	11°24'24	19°1'1	19°11'11	19°32'32	21°4'4	16°40'40
W 13	11 23 31	22°39'05	23°59'59	7°52'52	10°48'48	12°0'0	28°29'29	3°25'25	28°13'13	11°24'24	19°2'2	19°0'0	19°29'29	21°11'11	16°44'44
T 14	11 27 28	23°38'56	7°15'15	7°R52	12°2'2	12°47'47	28°44'44	3°31'31	28°11'11	11°25'25	19°4'4	18°52'52	19°26'26	21°17'17	16°48'48
F 15	11 31 24	24°38'45	20°40'40	7°44'44	13°17'17	13°34'34	28°58'58	3°38'38	28°9'9	11°26'26	19°5'5	18°47'47	19°23'23	21°24'24	16°52'52
S 16	11 35 21	25°38'33	4°16'16	7°28'28	14°31'31	14°21'21	29°13'13	3°44'44	28°7'7	11°27'27	19°7'7	18°45'45	19°19'19	21°31'31	16°56'56
S 17	11 39 17	26°38'19	18°3'3	7°4'4	15°45'45	15°8'8	29°27'27	3°51'51	28°5'5	11°27'27	19°9'9	18°45'45	19°16'16	21°37'37	17°0'0
M 18	11 43 14	27°38'03	2°3'3	6°33'33	16°59'59	15°56'56	29°42'42	3°57'57	28°3'3	11°28'28	19°10'10	18°45'45	19°13'13	21°44'44	17°4'4
T 19	11 47 11	28°37'46	16°10'10	5°55'55	18°14'14	16°43'43	29°56'56	4°4'4	28°1'1	11°29'29	19°12'12	18°44'44	19°10'10	21°51'51	17°7'7
W 20	11 51 7	29°37'27	0°29'29	5°12'12	19°28'28	17°30'30	0°11'11	4°11'11	27°59'59	11°30'30	19°13'13	18°41'41	19°7'7	21°57'57	17°11'11
T 21	11 55 4	0°37'06	14°56'56	4°25'25	20°42'42	18°17'17	0°25'25	4°18'18	27°57'57	11°31'31	19°15'15	18°35'35	19°3'3	22°4'4	17°15'15
F 22	11 59 0	1°36'43	29°26'26	3°34'34	21°56'56	19°4'4	0°40'40	4°25'25	27°54'54	11°32'32	19°16'16	18°27'27	19°0'0	22°11'11	17°19'19
S 23	12 2 57	2°36'19	13°54'54	2°41'41	23°10'10	19°51'51	0°54'54	4°32'32	27°52'52	11°33'33	19°18'18	18°17'17	18°57'57	22°17'17	17°22'22
S 24	12 6 53	3°35'52	28°13'13	1°47'47	24°24'24	20°39'39	1°9'9	4°38'38	27°50'50	11°34'34	19°20'20	18°5'5	18°54'54	22°24'24	17°26'26
M 25	12 10 50	4°35'24	12°17'17	0°54'54	25°38'38	21°26'26	1°23'23	4°45'45	27°48'48	11°35'35	19°21'21	17°53'53	18°51'51	22°31'31	17°29'29
T 26	12 14 46	5°34'54	26°0'0	0°1'1	26°52'52	22°13'13	1°38'38	4°52'52	27°45'45	11°36'36	19°23'23	17°43'43	18°48'48	22°37'37	17°33'33
W 27	12 18 43	6°34'21	9°20'20	29°11'11	28°6'6	23°0'0	1°52'52	5°0'0	27°43'43	11°37'37	19°24'24	17°35'35	18°44'44	22°44'44	17°36'36
T 28	12 22 39	7°33'46	22°17'17	28°23'23	29°20'20	23°47'47	2°7'7	5°7'7	27°41'41	11°39'39	19°26'26	17°30'30	18°41'41	22°51'51	17°40'40
F 29	12 26 36	8°33'09	4°15'15	27°40'40	0°34'34	24°34'34	2°21'21	5°14'14	27°38'38	11°40'40	19°27'27	17°27'27	18°38'38	22°57'57	17°43'43
S 30	12 30 33	9°32'30	17°8'8	27°1'1	1°48'48	25°21'21	2°36'36	5°21'21	27°36'36	11°41'41	19°29'29	17°D27	18°35'35	23°4'4	17°46'46
S 31	12 34 29	10°31'49	29°11'11	26°26'26	3°8'8	26°8'8	2°50'50	5°28'28	27°34'34	11°42'42	19°30'30	17°11'27	18°11'32	23°11'11	17°50'50

Delta T = 135.90 sec.

APRIL 2058

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	12 38 26	11°31'05	11°3'3	25°R57	4°15'15	26°54'54	3°5'5	5°35'35	27°R31	11°44'44	19°32'32	17°R27	18°11'29	23°17'17	17°53'53
T 2	12 42 22	12°30'19	22°52'52	25°34'34	5°29'29	27°41'41	3°19'19	5°43'43	27°29'29	11°45'45	19°33'33	17°11'27	18°25'25	23°24'24	17°56'56
W 3	12 46 19	13°29'30	4°24'24	25°16'16	6°42'42	28°28'28	3°34'34	5°50'50	27°26'26	11°46'46	19°35'35	17°24'24	18°22'22	23°31'31	17°59'59
T 4	12 50 15	14°28'40	16°40'40	25°4'4	7°56'56	29°15'15	3°48'48	5°57'57	27°24'24	11°48'48	19°36'36	17°20'20	18°19'19	23°37'37	18°2'2
F 5	12 54 12	15°27'47	28°48'48	24°58'58	9°9'9	0°17'17	4°3'3	6°5'5	27°21'21	11°49'49	19°38'38	17°12'12	18°16'16	23°44'44	18°5'5
S 6	12 58 8	16°26'51	11°11'11	24°D57	10°23'23	0°49'49	4°17'17	6°12'12	27°19'19	11°50'50	19°39'39	17°3'3	18°13'13	23°51'51	18°8'8
S 7	13 2 5	17°25'54	23°50'50	25°1'1	11°36'36	1°35'35	4°31'31	6°19'19	27°16'16	11°52'52	19°40'40	16°53'53	18°9'9	23°57'57	18°11'11
M 8	13 6 2	18°24'54	6°45'45	25°11'11	12°50'50	2°22'22	4°46'46	6°27'27	27°14'14	11°53'53	19°42'42	16°42'42	18°6'6	24°4'4	18°14'14
T 9	13 9 58	19°23'53	19°57'57	25°26'26	14°3'3	3°9'9	5°0'0	6°34'34	27°11'11	11°55'55	19°43'43	16°33'33	18°3'3	24°11'11	18°17'17
W 10	13 13 55	20°22'49	3°11'11	25°46'46	15°17'17	3°55'55	5°14'14	6°42'42	27°9'9	11°56'56	19°45'45	16°25'25	18°0'0	24°17'17	18°19'19
T 11	13 17 51	21°21'43	17°4'4	26°10'10	16°30'30	4°42'42	5°28'28	6°49'49	27°6'6	11°58'58	19°46'46	16°19'19	17°57'57	24°24'24	18°22'22
F 12	13 21 48	22°20'36	0°54'54	26°39'39	17°43'43	5°29'29	5°43'43	6°57'57	27°4'4	11°59'59	19°47'47	16°15'15	17°54'54	24°31'31	18°25'25
S 13	13 25 44	23°19'27	14°50'50	27°12'12	18°56'56	6°15'15	5°57'57	7°4'4	27°1'1	12°1'1	19°49'49	16°D14	17°50'50	24°38'38	18°27'27
S 14	13 29 41	24°18'16	28°53'53	27°50'50	20°9'9	7°2'2	6°11'11	7°12'12	26°58'58	12°3'3	19°50'50	16°15'15	17°47'47	24°44'44	18°30'30
M 15	13 33 37	25°17'03	12°35'35	28°31'31	21°23'23	7°48'48	6°25'25	7°19'19	26°56'56	12°4'4	19°52'52	16°16'16	17°44'44	24°51'51	18°32'32
T 16	13 37 34	26°15'49	27°7'7	29°15'15	22°36'36	8°35'35	6°39'39	7°27'27	26°53'53	12°6'6	19°53'53	16°R16	17°41'41	24°58'58	18°35'35
W 17	13 41 31	27°14'33	11°17'17	0°17'17	23°49'49	9°21'21	6°53'53	7°35'35	26°51'51	12°8'8	19°54'54	16°15'15	17°38'38	25°4'4	18°37'37
T 18	13 45 27	28°13'15	25°26'26	0°55'55	25°2'2	10°7'7	7°7'7	7°42'42	26°48'48	12°9'9	19°55'55	16°13'13	17°35'35	25°11'11	18°40'40
F 19	13 49 24	29°11'56	9°32'32	1°50'50	26°15'15	10°54'54	7°21'21	7°50'50	26°46'46	12°11'11	19°57'57	16°8'8	17°31'31	25°18'18	18°42'42
S 20	13 53 20	0°10'35	23°32'32	2°48'48	27°28'28	11°40'40	7°35'35	7°57'57	26°43'43	12°13'13	19°58'58	16°1'1	17°28'28	25°24'24	18°44'44
S 21	13 57 17	1°9'12	7°23'23	3°48'48	28°40'40	12°26'26	7°49'49	8°5'5	26°40'40	12°15'15	19°59'59	15°54'54	17°25'25	25°31'31	18°46'46
M 22	14 1 13	2°7'47	21°1'1	4°52'52	29°53'53	13°13'13	8°3'3	8°13'13	26°38'38	12°16'16	20°1'1	15°46'46	17°22'22	25°38'38	18°48'48
T 23	14 5 10	3°6'21	4°24'24	5°58'58	1°11'11	13°59'59	8°17'17	8°20'20	26°35'35	12°18'18	20°2'2	15°40'40	17°19'19	25°44'44	18°50'50
W 24	14 9 6	4°4'52	17°29'29	7°6'6	2°19'19	14°45'45	8°31'31	8°28'28	26°33'33	12°20'20	20°3'3	15°35'35	17°15'15	25°51'51	18°52'52
T 25	14 13 3	5°3'22	0°11'11	8°17'17	3°31'31	15°31'31	8°45'45	8°36'36	26°30'30	12°22'22	20°4'4	15°32'32	17°12'12	25°58'58	18°54'54
F 26	14 16 59	6°1'50	12°44'44	9°31'31	4°44'44	16°17'17	8°58'58	8°43'43	26°28'28	12°24'24	20°5'5	15°D31	17°9'9	26°4'4	18°56'56
S 27	14 20 56	7°0'16	24°58'58	10°46'46	5°56'56	17°3'3	9°12'12	8°51'51	26°25'25	12°26'26	20°7'7	15°31'31	17°6'6	26°11'11	18°58'58
S 28	14 24 53	7°58'39	6°59'59	12°4'4	7°9'9	17°49'49	9°26'26	8°59'59	26°23'23	12°28'28	20°8'8	15°32'32	17°3'3	26°18'18	18°59'59
M 29	14 28 49	8°57'01	18°53'13	13°24'24	8°21'21	18°35'35	9°39'39	9°6'6	26°20'20	12°30'30	20°9'9	15°34'34	17°0'0	26°24'24	19°1'1
T 30	14 32 46	9°55'21	0°24'24	14°43'43	14°46'46	9°24'24	19°21'21	9°53'53	9°14'14	26°18'18	12°11'11	20°10'10	15°23'23	26°23'23	19°13'13

# SWISS EPHEMERIS for the year 2058

MAY 2058

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	14 36 42	10♂53'38	12♂35	16♂11	10♂46	20♂7	10♂6	9♂22	26♂15	12♂33	20♂11	15♂R36	16♂53	26♂38	19♂4
T 2	14 40 39	11°51'54	24°33	17°37	11°58	20°53	10°20	9°29	26♂13	12°35	20°12	15♂R35	16°50	26°44	19°6
F 3	14 44 35	12°50'07	6♂43	19°5	13°11	21°38	10°33	9°37	26°10	12°37	20°13	15°33	16°47	26°51	19°7
S 4	14 48 32	13°48'18	19°9	20°35	14°23	22°24	10°46	9°45	26°8	12°39	20°14	15°29	16°44	26°58	19°8
S 5	14 52 28	14°46'28	1♂53	22°8	15°35	23°10	11°0	9°53	26°5	12°41	20°15	15°25	16°40	27°4	19°10
M 6	14 56 25	15°44'35	14°58	23°42	16°47	23°55	11°13	10°0	26°3	12°43	20°16	15°20	16°37	27°11	19°11
T 7	15 0 22	16°42'41	28°24	25°18	17°59	24°41	11°26	10°8	26°1	12°45	20°17	15°15	16°34	27°18	19°12
W 8	15 4 18	17°40'45	12♂9	26°56	19°11	25°27	11°39	10°15	25°58	12°48	20°18	15°12	16°31	27°24	19°13
T 9	15 8 15	18°38'47	26°12	28°36	20°23	26°12	11°52	10°23	25°56	12°50	20°19	15°9	16°28	27°31	19°14
F 10	15 12 11	19°36'48	10♂28	0♂18	21°35	26°58	12°5	10°31	25°54	12°52	20°20	15°D 8	16°25	27°38	19°15
S 11	15 16 8	20°34'48	24°51	2°2	22°46	27°43	12°18	10°38	25°51	12°54	20°21	15°8	16°21	27°44	19°16
S 12	15 20 4	21°32'46	9♂18	3°48	23°58	28°28	12°31	10°46	25°49	12°56	20°22	15°9	16°18	27°51	19°17
M13	15 24 1	22°30'42	23°43	5°36	25°10	29°14	12°44	10°54	25°47	12°58	20°23	15°11	16°15	27°58	19°18
T 14	15 27 58	23°28'37	8♂4	7°26	26°21	29°59	12°56	11°1	25°45	13°0	20°24	15°12	16°12	28°4	19°18
W15	15 31 54	24°26'32	22°16	9°17	27°33	0♂44	13°9	11°9	25°43	13°2	20°24	15°R13	16°9	28°11	19°19
T 16	15 35 51	25°24'24	6♂19	11°11	28°44	1°29	13°22	11°16	25°41	13°4	20°25	15°12	16°6	28°18	19°19
F 17	15 39 47	26°22'16	20°11	13°7	29°55	2°14	13°34	11°24	25°38	13°7	20°26	15°11	16°2	28°25	19°20
S 18	15 43 44	27°20'06	3♂50	15°4	1♂7	2°59	13°46	11°31	25°36	13°9	20°27	15°9	15°59	28°31	19°20
S 19	15 47 40	28°17'56	17°16	17°4	2°18	3°44	13°59	11°39	25°34	13°11	20°28	15°7	15°56	28°38	19°21
M20	15 51 37	29°15'44	0♂28	19°5	3°29	4°29	14°11	11°46	25°32	13°13	20°28	15°5	15°53	28°45	19°21
T 21	15 55 33	0♂13'30	13°26	21°8	4°40	5°14	14°23	11°54	25°30	13°15	20°29	15°3	15°50	28°51	19°21
W22	15 59 30	1°11'16	26°10	23°13	5°51	5°59	14°35	12°1	25°28	13°18	20°30	15°1	15°46	28°58	19°21
T 23	16 3 26	2°9'00	8♂41	25°19	7°2	6°44	14°47	12°8	25°26	13°20	20°30	15°1	15°43	29°5	19°22
F 24	16 7 23	3°6'43	20°58	27°27	8°13	7°29	14°59	12°16	25°25	13°22	20°31	15°D 1	15°40	29°11	19°R22
S 25	16 11 20	4°4'25	3♂5	29°35	9°24	8°13	15°11	12°23	25°23	13°24	20°32	15°1	15°37	29°18	19°21
S 26	16 15 16	5°2'05	15°3	1♂45	10°35	8°58	15°23	12°31	25°21	13°26	20°32	15°2	15°34	29°25	19°21
M27	16 19 13	5°59'44	26°56	3°56	11°45	9°43	15°35	12°38	25°19	13°29	20°33	15°3	15°31	29°31	19°21
T 28	16 23 9	6°57'21	8♂46	6°8	12°56	10°27	15°46	12°45	25°17	13°31	20°33	15°4	15°27	29°38	19°21
W29	16 27 6	7°54'57	20°37	8°20	14°6	11°12	15°58	12°52	25°16	13°33	20°34	15°4	15°24	29°45	19°21
T 30	16 31 2	8°52'32	2♂35	10°32	15°17	11°56	16°9	13°0	25°14	13°35	20°34	15°5	15°21	29°51	19°20
F 31	16 34 59	9♂50'05	14♂44	12♂43	16♂27	12♂41	16♂21	13♂7	25♂13	13♂38	20♂35	15°R 5	15♂18	29♂58	19♂20

Delta T = 136.21 sec.

JUNE 2058

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	16 38 56	10♂47'36	27♂8	14♂55	17♂37	13♂25	16♂32	13♂14	25°R11	13♂40	20♂35	15°R 5	15♂15	0♂5	19°R19
S 2	16 42 52	11°45'07	9♂52	17°6	18°48	14°9	16°43	13°21	25♂10	13°42	20°36	15♂4	15°12	0°11	19♂19
M 3	16 46 49	12°42'36	22°58	19°15	19°58	14°53	16°54	13°28	25°8	13°44	20°36	15°4	15°8	0°18	19°18
T 4	16 50 45	13°40'04	6♂28	21°24	21°8	15°37	17°5	13°35	25°7	13°47	20°37	15°4	15°5	0°25	19°18
W 5	16 54 42	14°37'30	20°23	23°31	22°17	16°22	17°16	13°42	25°5	13°49	20°37	15°D 4	15°2	0°31	19°17
T 6	16 58 38	15°34'56	4♂40	25°36	23°27	17°6	17°27	13°49	25°4	13°51	20°37	15°4	14°59	0°38	19°16
F 7	17 2 35	16°32'21	19°16	27°40	24°37	17°50	17°38	13°56	25°3	13°53	20°38	15°R 4	14°56	0°45	19°15
S 8	17 6 31	17°29'45	4♂3	29°42	25°47	18°33	17°48	14°3	25°1	13°56	20°38	15°4	14°52	0°52	19°14
S 9	17 10 28	18°27'08	18°56	1♂41	26°56	19°17	17°59	14°10	25°0	13°58	20°38	15°3	14°49	0°58	19°13
M10	17 14 25	19°24'30	3♂46	3°39	28°5	20°1	18°9	14°16	24°59	14°0	20°39	15°3	14°46	1°5	19°12
T 11	17 18 21	20°21'52	18°26	5°34	29°15	20°45	18°19	14°23	24°58	14°2	20°39	15°3	14°43	1°12	19°11
W12	17 22 18	21°19'13	2♂51	7°27	0♂24	21°29	18°29	14°30	24°57	14°4	20°39	15°2	14°40	1°18	19°10
T 13	17 26 14	22°16'34	16°59	9°17	1°33	22°12	18°39	14°36	24°56	14°7	20°39	15°D 2	14°37	1°25	19°9
F 14	17 30 11	23°13'54	0♂46	11°5	2°42	22°56	18°49	14°43	24°55	14°9	20°39	15°2	14°33	1°32	19°7
S 15	17 34 7	24°11'14	14°14	12°51	3°51	23°39	18°59	14°50	24°54	14°11	20°39	15°2	14°30	1°38	19°6
S 16	17 38 4	25°8'34	27°23	14°34	5°0	24°23	19°9	14°56	24°53	14°13	20°40	15°3	14°27	1°45	19°4
M17	17 42 0	26°5'53	10♂16	16°15	6°8	25°6	19°18	15°3	24°52	14°16	20°40	15°4	14°24	1°52	19°3
T 18	17 45 57	27°3'11	22°54	17°53	7°17	25°50	19°28	15°9	24°51	14°18	20°40	15°5	14°21	1°58	19°1
W19	17 49 54	28°0'30	5♂19	19°29	8°25	26°33	19°37	15°15	24°51	14°20	20°40	15°6	14°18	2°5	19°0
T 20	17 53 50	28°57'48	17°34	21°2	9°34	27°16	19°46	15°22	24°50	14°22	20°R40	15°R 6	14°14	2°12	18°58
F 21	17 57 47	29°55'05	29°39	22°32	10°42	27°59	19°55	15°28	24°49	14°24	20°40	15°5	14°11	2°18	18°57
S 22	18 1 43	0♂52'23	11♂38	24°0	11°50	28°42	20°4	15°34	24°49	14°27	20°40	15°4	14°8	2°25	18°55
S 23	18 5 40	1°49'39	23°31	25°26	12°58	29°25	20°13	15°40	24°48	14°29	20°40	15°2	14°5	2°32	18°53
M24	18 9 36	2°46'55	5♂22	26°49	14°6	0♂8	20°22	15°46	24°48	14°31	20°40	14°59	14°2	2°39	18°51
T 25	18 13 33	3°44'11	17°12	28°9	15°13	0°51	20°30	15°52	24°47	14°33	20°40	14°56	13°58	2°45	18°49
W26	18 17 30	4°41'26	29°4	29°26	16°21	1°34	20°39	15°58	24°47	14°35	20°39	14°54	13°55	2°52	18°47
T 27	18 21 26	5°38'40	11♂2	0♂41	17°28	2°17	20°47	16°4	24°47	14°37	20°39	14°51	13°52	2°59	18°45
F 28	18 25 23	6°35'54	23°10	1°53	18°36	3°0	20°55	16°10	24°46	14°39	20°39	14°50	13°49	3°5	18°43
S 29	18 29 19	7°33'07	5♂31	3°2	19°43	3°42	21°3	16°16	24°46	14°42	20°39	14°D49	13°46	3°12	18°41
S 30	18 33 16	8♂30'20	18♂11	4♂8	20♂50	4♂25	21♂11	16♂22	24♂46	14♂44	20♂39	14♂49	13♂43	3♂19	18♂39

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# SWISS EPHEMERIS for the year 2058

JULY 2058

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	18 37 12	9 <sup>52</sup> 27'33	1 <sup>11</sup> 12	5 <sup>11</sup> 11	21 <sup>11</sup> 56	5 <sup>11</sup> 8	21 <sup>11</sup> 19	16 <sup>11</sup> 27	24 <sup>11</sup> 46	14 <sup>11</sup> 46	20 <sup>11</sup> 38	14 <sup>11</sup> 50	13 <sup>11</sup> 39	3 <sup>11</sup> 25	18 <sup>11</sup> 37
T 2	18 41 9	10 <sup>52</sup> 24'45	14 <sup>11</sup> 38	6 <sup>11</sup> 11	23 <sup>11</sup> 3	5 <sup>11</sup> 50	21 <sup>11</sup> 26	16 <sup>11</sup> 33	24 <sup>11</sup> 46	14 <sup>11</sup> 48	20 <sup>11</sup> 38	14 <sup>11</sup> 52	13 <sup>11</sup> 36	3 <sup>11</sup> 32	18 <sup>11</sup> 34
W 3	18 45 5	11 <sup>52</sup> 21'56	28 <sup>11</sup> 31	7 <sup>11</sup> 8	24 <sup>11</sup> 10	6 <sup>11</sup> 32	21 <sup>11</sup> 34	16 <sup>11</sup> 38	24 <sup>11</sup> 46	14 <sup>11</sup> 50	20 <sup>11</sup> 38	14 <sup>11</sup> 53	13 <sup>11</sup> 33	3 <sup>11</sup> 39	18 <sup>11</sup> 32
T 4	18 49 2	12 <sup>52</sup> 19'08	12 <sup>11</sup> 51	8 <sup>11</sup> 1	25 <sup>11</sup> 16	7 <sup>11</sup> 15	21 <sup>11</sup> 41	16 <sup>11</sup> 44	24 <sup>11</sup> 46	14 <sup>11</sup> 52	20 <sup>11</sup> 38	14 <sup>11</sup> 54	13 <sup>11</sup> 30	3 <sup>11</sup> 45	18 <sup>11</sup> 30
F 5	18 52 59	13 <sup>52</sup> 16'19	27 <sup>11</sup> 34	8 <sup>11</sup> 51	26 <sup>11</sup> 22	7 <sup>11</sup> 57	21 <sup>11</sup> 48	16 <sup>11</sup> 49	24 <sup>11</sup> 46	14 <sup>11</sup> 54	20 <sup>11</sup> 37	14 <sup>11</sup> 53	13 <sup>11</sup> 27	3 <sup>11</sup> 52	18 <sup>11</sup> 27
S 6	18 56 55	14 <sup>52</sup> 13'30	12 <sup>11</sup> 35	9 <sup>11</sup> 37	27 <sup>11</sup> 28	8 <sup>11</sup> 39	21 <sup>11</sup> 55	16 <sup>11</sup> 54	24 <sup>11</sup> 46	14 <sup>11</sup> 56	20 <sup>11</sup> 37	14 <sup>11</sup> 52	13 <sup>11</sup> 24	3 <sup>11</sup> 59	18 <sup>11</sup> 25
S 7	19 0 52	15 <sup>52</sup> 10'41	27 <sup>11</sup> 46	10 <sup>11</sup> 20	28 <sup>11</sup> 34	9 <sup>11</sup> 21	22 <sup>11</sup> 2	17 <sup>11</sup> 0	24 <sup>11</sup> 46	14 <sup>11</sup> 58	20 <sup>11</sup> 37	14 <sup>11</sup> 48	13 <sup>11</sup> 20	4 <sup>11</sup> 6	18 <sup>11</sup> 22
M 8	19 4 48	16 <sup>52</sup> 7'53	12 <sup>11</sup> 56	10 <sup>11</sup> 59	29 <sup>11</sup> 39	10 <sup>11</sup> 4	22 <sup>11</sup> 9	17 <sup>11</sup> 5	24 <sup>11</sup> 47	15 <sup>11</sup> 0	20 <sup>11</sup> 36	14 <sup>11</sup> 44	13 <sup>11</sup> 17	4 <sup>11</sup> 12	18 <sup>11</sup> 20
T 9	19 8 45	17 <sup>52</sup> 5'04	27 <sup>11</sup> 56	11 <sup>11</sup> 34	0 <sup>11</sup> 45	10 <sup>11</sup> 46	22 <sup>11</sup> 15	17 <sup>11</sup> 10	24 <sup>11</sup> 47	15 <sup>11</sup> 2	20 <sup>11</sup> 36	14 <sup>11</sup> 40	13 <sup>11</sup> 14	4 <sup>11</sup> 19	18 <sup>11</sup> 17
W 10	19 12 41	18 <sup>52</sup> 2'16	12 <sup>11</sup> 38	12 <sup>11</sup> 5	1 <sup>11</sup> 50	11 <sup>11</sup> 28	22 <sup>11</sup> 22	17 <sup>11</sup> 15	24 <sup>11</sup> 47	15 <sup>11</sup> 4	20 <sup>11</sup> 35	14 <sup>11</sup> 36	13 <sup>11</sup> 11	4 <sup>11</sup> 26	18 <sup>11</sup> 15
T 11	19 16 38	18 <sup>52</sup> 59'28	26 <sup>11</sup> 57	12 <sup>11</sup> 32	2 <sup>11</sup> 55	12 <sup>11</sup> 9	22 <sup>11</sup> 28	17 <sup>11</sup> 20	24 <sup>11</sup> 48	15 <sup>11</sup> 6	20 <sup>11</sup> 35	14 <sup>11</sup> 33	13 <sup>11</sup> 8	4 <sup>11</sup> 32	18 <sup>11</sup> 12
F 12	19 20 35	19 <sup>52</sup> 56'40	10 <sup>11</sup> 49	12 <sup>11</sup> 55	4 <sup>11</sup> 0	12 <sup>11</sup> 51	22 <sup>11</sup> 34	17 <sup>11</sup> 25	24 <sup>11</sup> 48	15 <sup>11</sup> 8	20 <sup>11</sup> 34	14 <sup>11</sup> 31	13 <sup>11</sup> 4	4 <sup>11</sup> 39	18 <sup>11</sup> 9
S 13	19 24 31	20 <sup>52</sup> 53'53	24 <sup>11</sup> 16	13 <sup>11</sup> 13	5 <sup>11</sup> 4	13 <sup>11</sup> 33	22 <sup>11</sup> 40	17 <sup>11</sup> 30	24 <sup>11</sup> 49	15 <sup>11</sup> 10	20 <sup>11</sup> 34	14 <sup>11</sup> D31	13 <sup>11</sup> 1	4 <sup>11</sup> 46	18 <sup>11</sup> 7
S 14	19 28 28	21 <sup>52</sup> 51'06	7 <sup>11</sup> 18	13 <sup>11</sup> 26	6 <sup>11</sup> 9	14 <sup>11</sup> 15	22 <sup>11</sup> 46	17 <sup>11</sup> 34	24 <sup>11</sup> 49	15 <sup>11</sup> 12	20 <sup>11</sup> 33	14 <sup>11</sup> 32	12 <sup>11</sup> 58	4 <sup>11</sup> 52	18 <sup>11</sup> 4
M 15	19 32 24	22 <sup>52</sup> 48'20	20 <sup>11</sup> 0	13 <sup>11</sup> 35	7 <sup>11</sup> 13	14 <sup>11</sup> 56	22 <sup>11</sup> 51	17 <sup>11</sup> 39	24 <sup>11</sup> 50	15 <sup>11</sup> 13	20 <sup>11</sup> 33	14 <sup>11</sup> 33	12 <sup>11</sup> 55	4 <sup>11</sup> 59	18 <sup>11</sup> 1
T 16	19 36 21	23 <sup>52</sup> 45'35	2 <sup>11</sup> 25	13 <sup>11</sup> R39	8 <sup>11</sup> 17	15 <sup>11</sup> 38	22 <sup>11</sup> 57	17 <sup>11</sup> 44	24 <sup>11</sup> 51	15 <sup>11</sup> 15	20 <sup>11</sup> 32	14 <sup>11</sup> 35	12 <sup>11</sup> 52	5 <sup>11</sup> 6	17 <sup>11</sup> 58
W 17	19 40 17	24 <sup>52</sup> 42'50	14 <sup>11</sup> 38	13 <sup>11</sup> 38	9 <sup>11</sup> 20	16 <sup>11</sup> 20	23 <sup>11</sup> 2	17 <sup>11</sup> 48	24 <sup>11</sup> 51	15 <sup>11</sup> 17	20 <sup>11</sup> 32	14 <sup>11</sup> R35	12 <sup>11</sup> 49	5 <sup>11</sup> 12	17 <sup>11</sup> 55
T 18	19 44 14	25 <sup>52</sup> 40'06	26 <sup>11</sup> 40	13 <sup>11</sup> 33	10 <sup>11</sup> 24	17 <sup>11</sup> 1	23 <sup>11</sup> 7	17 <sup>11</sup> 53	24 <sup>11</sup> 52	15 <sup>11</sup> 19	20 <sup>11</sup> 31	14 <sup>11</sup> 34	12 <sup>11</sup> 45	5 <sup>11</sup> 19	17 <sup>11</sup> 53
F 19	19 48 10	26 <sup>52</sup> 37'22	8 <sup>11</sup> 37	13 <sup>11</sup> 22	11 <sup>11</sup> 27	17 <sup>11</sup> 42	23 <sup>11</sup> 12	17 <sup>11</sup> 57	24 <sup>11</sup> 53	15 <sup>11</sup> 21	20 <sup>11</sup> 31	14 <sup>11</sup> 32	12 <sup>11</sup> 42	5 <sup>11</sup> 26	17 <sup>11</sup> 50
S 20	19 52 7	27 <sup>52</sup> 34'39	20 <sup>11</sup> 29	13 <sup>11</sup> 7	12 <sup>11</sup> 30	18 <sup>11</sup> 24	23 <sup>11</sup> 17	18 <sup>11</sup> 1	24 <sup>11</sup> 54	15 <sup>11</sup> 22	20 <sup>11</sup> 30	14 <sup>11</sup> 27	12 <sup>11</sup> 39	5 <sup>11</sup> 33	17 <sup>11</sup> 47
S 21	19 56 4	28 <sup>52</sup> 31'56	2 <sup>11</sup> 19	12 <sup>11</sup> 48	13 <sup>11</sup> 33	19 <sup>11</sup> 5	23 <sup>11</sup> 21	18 <sup>11</sup> 5	24 <sup>11</sup> 55	15 <sup>11</sup> 24	20 <sup>11</sup> 29	14 <sup>11</sup> 21	12 <sup>11</sup> 36	5 <sup>11</sup> 39	17 <sup>11</sup> 44
M 22	20 0 0	29 <sup>52</sup> 29'14	14 <sup>11</sup> 9	12 <sup>11</sup> 23	14 <sup>11</sup> 35	19 <sup>11</sup> 46	23 <sup>11</sup> 25	18 <sup>11</sup> 9	24 <sup>11</sup> 56	15 <sup>11</sup> 26	20 <sup>11</sup> 29	14 <sup>11</sup> 13	12 <sup>11</sup> 33	5 <sup>11</sup> 46	17 <sup>11</sup> 41
T 23	20 3 57	0 <sup>52</sup> 26'32	26 <sup>11</sup> 1	11 <sup>11</sup> 55	15 <sup>11</sup> 38	20 <sup>11</sup> 27	23 <sup>11</sup> 30	18 <sup>11</sup> 13	24 <sup>11</sup> 57	15 <sup>11</sup> 28	20 <sup>11</sup> 28	14 <sup>11</sup> 4	12 <sup>11</sup> 30	5 <sup>11</sup> 53	17 <sup>11</sup> 38
W 24	20 7 53	1 <sup>52</sup> 23'51	7 <sup>11</sup> 57	11 <sup>11</sup> 23	16 <sup>11</sup> 40	21 <sup>11</sup> 8	23 <sup>11</sup> 34	18 <sup>11</sup> 17	24 <sup>11</sup> 58	15 <sup>11</sup> 29	20 <sup>11</sup> 27	13 <sup>11</sup> 55	12 <sup>11</sup> 26	5 <sup>11</sup> 59	17 <sup>11</sup> 35
T 25	20 11 50	2 <sup>52</sup> 21'10	19 <sup>11</sup> 58	10 <sup>11</sup> 47	17 <sup>11</sup> 41	21 <sup>11</sup> 49	23 <sup>11</sup> 37	18 <sup>11</sup> 21	24 <sup>11</sup> 59	15 <sup>11</sup> 31	20 <sup>11</sup> 26	13 <sup>11</sup> 48	12 <sup>11</sup> 23	6 <sup>11</sup> 6	17 <sup>11</sup> 32
F 26	20 15 46	3 <sup>52</sup> 18'29	2 <sup>11</sup> 8	10 <sup>11</sup> 8	18 <sup>11</sup> 43	22 <sup>11</sup> 30	23 <sup>11</sup> 41	18 <sup>11</sup> 25	25 <sup>11</sup> 0	15 <sup>11</sup> 33	20 <sup>11</sup> 26	13 <sup>11</sup> 42	12 <sup>11</sup> 20	6 <sup>11</sup> 13	17 <sup>11</sup> 29
S 27	20 19 43	4 <sup>52</sup> 15'49	14 <sup>11</sup> 30	9 <sup>11</sup> 27	19 <sup>11</sup> 44	23 <sup>11</sup> 11	23 <sup>11</sup> 45	18 <sup>11</sup> 29	25 <sup>11</sup> 2	15 <sup>11</sup> 34	20 <sup>11</sup> 25	13 <sup>11</sup> 38	12 <sup>11</sup> 17	6 <sup>11</sup> 19	17 <sup>11</sup> 26
S 28	20 23 39	5 <sup>52</sup> 13'09	27 <sup>11</sup> 7	8 <sup>11</sup> 45	20 <sup>11</sup> 44	23 <sup>11</sup> 52	23 <sup>11</sup> 48	18 <sup>11</sup> 32	25 <sup>11</sup> 3	15 <sup>11</sup> 36	20 <sup>11</sup> 24	13 <sup>11</sup> 36	12 <sup>11</sup> 14	6 <sup>11</sup> 26	17 <sup>11</sup> 22
M 29	20 27 36	6 <sup>52</sup> 10'29	10 <sup>11</sup> 11	8 <sup>11</sup> 1	21 <sup>11</sup> 45	24 <sup>11</sup> 33	23 <sup>11</sup> 51	18 <sup>11</sup> 36	25 <sup>11</sup> 4	15 <sup>11</sup> 37	20 <sup>11</sup> 23	13 <sup>11</sup> D35	12 <sup>11</sup> 10	6 <sup>11</sup> 33	17 <sup>11</sup> 19
T 30	20 31 33	7 <sup>52</sup> 7'51	23 <sup>11</sup> 22	7 <sup>11</sup> 17	22 <sup>11</sup> 45	25 <sup>11</sup> 13	23 <sup>11</sup> 54	18 <sup>11</sup> 39	25 <sup>11</sup> 6	15 <sup>11</sup> 39	20 <sup>11</sup> 23	13 <sup>11</sup> 36	12 <sup>11</sup> 7	6 <sup>11</sup> 40	17 <sup>11</sup> 16
W 31	20 35 29	8 <sup>52</sup> 5'12	7 <sup>11</sup> 7	6 <sup>11</sup> 14	23 <sup>11</sup> 45	25 <sup>11</sup> 15	23 <sup>11</sup> 57	18 <sup>11</sup> 42	25 <sup>11</sup> 7	15 <sup>11</sup> 41	20 <sup>11</sup> 22	13 <sup>11</sup> R37	12 <sup>11</sup> 4	6 <sup>11</sup> 46	17 <sup>11</sup> 13

Delta T = 136.51 sec.

AUGUST 2058

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	20 39 26	9♌ 2'34	21♌ 18	5♋R52	24♏44	26♏34	23♏59	18♌45	25♎ 9	15♏42	20°R21	13°R37	12♏ 1	6♌53	17°R10
F 2	20 43 22	9°59'57	5♌56	5♌12	25°43	27°15	24° 1	18°48	25°10	15°44	20♌20	13♏35	11°58	7° 0	17♌ 7
S 3	20 47 19	10°57'21	20°56	4°35	26°42	27°55	24° 4	18°51	25°12	15°45	20°19	13°31	11°55	7° 6	17° 4
S 4	20 51 15	11°54'45	6♌10	4° 2	27°40	28°35	24° 6	18°54	25°13	15°46	20°18	13°25	11°51	7°13	17° 0
M 5	20 55 12	12°52'10	21°28	3°33	28°37	29°16	24° 7	18°57	25°15	15°48	20°17	13°16	11°48	7°20	16°57
T 6	20 59 9	13°49'36	6♌39	3° 9	29°35	29°56	24° 9	19° 0	25°17	15°49	20°16	13° 8	11°45	7°26	16°54
W 7	21 3 5	14°47'03	21°34	2°51	0♎32	0♎36	24°10	19° 3	25°19	15°51	20°15	12°59	11°42	7°33	16°51
T 8	21 7 2	15°44'31	6♏ 3	2°38	1°28	1°16	24°12	19° 5	25°20	15°52	20°14	12°52	11°39	7°40	16°48
F 9	21 10 58	16°42'01	20° 4	2°D31	2°24	1°56	24°13	19° 8	25°22	15°53	20°13	12°47	11°36	7°47	16°44
S 10	21 14 55	17°39'31	3♌35	2°32	3°20	2°36	24°13	19°10	25°24	15°55	20°12	12°44	11°32	7°53	16°41
S 11	21 18 51	18°37'04	16°39	2°38	4°15	3°16	24°14	19°12	25°26	15°56	20°11	12°D43	11°29	8° 0	16°38
M 12	21 22 48	19°34'37	29°18	2°52	5° 9	3°55	24°14	19°14	25°28	15°57	20°10	12°44	11°26	8° 7	16°35
T 13	21 26 44	20°32'12	11♏39	3°13	6° 3	4°35	24°14	19°16	25°30	15°58	20° 9	12°R44	11°23	8°13	16°32
W 14	21 30 41	21°29'49	23°45	3°41	6°57	5°15	24°R14	19°18	25°32	15°59	20° 8	12°43	11°20	8°20	16°28
T 15	21 34 37	22°27'27	5♌42	4°16	7°50	5°54	24°14	19°20	25°35	16° 0	20° 7	12°41	11°16	8°27	16°25
F 16	21 38 34	23°25'06	17°33	4°57	8°42	6°34	24°14	19°22	25°37	16° 2	20° 6	12°36	11°13	8°33	16°22
S 17	21 42 31	24°22'47	29°22	5°46	9°34	7°13	24°13	19°23	25°39	16° 3	20° 5	12°28	11°10	8°40	16°19
S 18	21 46 27	25°20'29	11♌12	6°41	10°25	7°52	24°12	19°25	25°41	16° 4	20° 4	12°18	11° 7	8°47	16°16
M 19	21 50 24	26°18'12	23° 5	7°43	11°15	8°32	24°11	19°26	25°44	16° 5	20° 3	12° 6	11° 4	8°54	16°13
T 20	21 54 20	27°15'57	5♏ 2	8°52	12° 5	9°11	24°10	19°28	25°46	16° 6	20° 2	11°53	11° 1	9° 0	16° 9
W 21	21 58 17	28°13'43	17° 5	10° 6	12°54	9°50	24° 9	19°29	25°48	16° 7	20° 1	11°39	10°57	9° 7	16° 6
T 22	22 2 13	29°11'30	29°15	11°26	13°42	10°29	24° 7	19°30	25°51	16° 8	20° 0	11°27	10°54	9°14	16° 3
F 23	22 6 10	0♏ 9'19	11♎33	12°51	14°30	11° 8	24° 5	19°31	25°53	16° 8	19°58	11°17	10°51	9°20	16° 0
S 24	22 10 6	1° 7'09	2♏ 4	14°21	15°17	11°47	24° 3	19°32	25°56	16° 9	19°57	11°10	10°48	9°27	15°57
S 25	22 14 3	2° 5'00	6♏42	15°56	16° 3	12°25	24° 1	19°33	25°58	16°10	19°56	11° 6	10°45	9°34	15°54
M 26	22 18 0	3° 2'52	19°38	17°35	16°48	13° 4	23°59	19°33	26° 1	16°11	19°55	11° 4	10°42	9°40	15°51
T 27	22 21 56	4° 0'45	2♌54	19°18	17°32	13°43	23°56	19°34	26° 4	16°12	19°54	11° 3	10°38	9°47	15°48
W 28	22 25 53	4°58'40	16°30	21° 3	18°15	14°21	23°54	19°34	26° 6	16°12	19°53	11° 3	10°35	9°54	15°45
T 29	22 29 49	5°56'36	0♌30	22°52	18°58	15° 0	23°51	19°35	26° 9	16°13	19°51	11° 2	10°32	10° 1	15°42
F 30	22 33 46	6°54'34	14°54	24°43	19°39	15°38	23°47	19°35	26°12	16°14	19°50	10°59	10°29	10° 7	15°39
S 31	22 37 42	7♏52'32	29♌40	26♌36	20♎19	16♎16	23♏44	19♌35	26♎14	16♏15	19♌49	10♏54	10♏26	10♌14	15♌36

# SWISS EPHEMERIS for the year 2058

## SEPTEMBER 2058

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	22 41 39	8 <sup>h</sup> 50'32	14 <sup>h</sup> 42	28 <sup>h</sup> 31	20 <sup>h</sup> 59	16 <sup>h</sup> 54	23 <sup>h</sup> 41	19 <sup>h</sup> 35	26 <sup>h</sup> 17	16 <sup>h</sup> 15	19 <sup>h</sup> 48	10 <sup>h</sup> 46	10 <sup>h</sup> 22	10 <sup>h</sup> 21	15 <sup>h</sup> 34
M 2	22 45 35	9 <sup>h</sup> 48'34	29 <sup>h</sup> 52	0 <sup>h</sup> 26	21 <sup>h</sup> 37	17 <sup>h</sup> 33	23 <sup>h</sup> 37	19 <sup>h</sup> 35	26 <sup>h</sup> 20	16 <sup>h</sup> 16	19 <sup>h</sup> 47	10 <sup>h</sup> 36	10 <sup>h</sup> 19	10 <sup>h</sup> 27	15 <sup>h</sup> 31
T 3	22 49 32	10 <sup>h</sup> 46'36	14 <sup>h</sup> 59	2 <sup>h</sup> 23	22 <sup>h</sup> 14	18 <sup>h</sup> 11	23 <sup>h</sup> 33	19 <sup>h</sup> 35	26 <sup>h</sup> 23	16 <sup>h</sup> 16	19 <sup>h</sup> 45	10 <sup>h</sup> 25	10 <sup>h</sup> 16	10 <sup>h</sup> 34	15 <sup>h</sup> 28
W 4	22 53 29	11 <sup>h</sup> 44'41	29 <sup>h</sup> 53	4 <sup>h</sup> 19	22 <sup>h</sup> 49	18 <sup>h</sup> 49	23 <sup>h</sup> 29	19 <sup>h</sup> 34	26 <sup>h</sup> 26	16 <sup>h</sup> 17	19 <sup>h</sup> 44	10 <sup>h</sup> 14	10 <sup>h</sup> 13	10 <sup>h</sup> 41	15 <sup>h</sup> 25
T 5	22 57 25	12 <sup>h</sup> 42'47	14 <sup>h</sup> 26	6 <sup>h</sup> 16	23 <sup>h</sup> 24	19 <sup>h</sup> 26	23 <sup>h</sup> 25	19 <sup>h</sup> 34	26 <sup>h</sup> 29	16 <sup>h</sup> 17	19 <sup>h</sup> 43	10 <sup>h</sup> 5	10 <sup>h</sup> 10	10 <sup>h</sup> 47	15 <sup>h</sup> 23
F 6	23 1 22	13 <sup>h</sup> 40'56	28 <sup>h</sup> 32	8 <sup>h</sup> 13	23 <sup>h</sup> 57	20 <sup>h</sup> 4	23 <sup>h</sup> 20	19 <sup>h</sup> 34	26 <sup>h</sup> 32	16 <sup>h</sup> 18	19 <sup>h</sup> 42	9 <sup>h</sup> 58	10 <sup>h</sup> 7	10 <sup>h</sup> 54	15 <sup>h</sup> 20
S 7	23 5 18	14 <sup>h</sup> 39'06	12 <sup>h</sup> 8	10 <sup>h</sup> 10	24 <sup>h</sup> 28	20 <sup>h</sup> 42	23 <sup>h</sup> 16	19 <sup>h</sup> 33	26 <sup>h</sup> 35	16 <sup>h</sup> 18	19 <sup>h</sup> 41	9 <sup>h</sup> 53	10 <sup>h</sup> 3	11 <sup>h</sup> 1	15 <sup>h</sup> 17
S 8	23 9 15	15 <sup>h</sup> 37'18	25 <sup>h</sup> 16	12 <sup>h</sup> 6	24 <sup>h</sup> 59	21 <sup>h</sup> 20	23 <sup>h</sup> 11	19 <sup>h</sup> 32	26 <sup>h</sup> 38	16 <sup>h</sup> 19	19 <sup>h</sup> 39	9 <sup>h</sup> 51	10 <sup>h</sup> 0	11 <sup>h</sup> 8	15 <sup>h</sup> 15
M 9	23 13 11	16 <sup>h</sup> 35'32	7 <sup>h</sup> 15	14 <sup>h</sup> 2	25 <sup>h</sup> 28	21 <sup>h</sup> 57	23 <sup>h</sup> 6	19 <sup>h</sup> 31	26 <sup>h</sup> 41	16 <sup>h</sup> 19	19 <sup>h</sup> 38	9 <sup>h</sup> 51	9 <sup>h</sup> 57	11 <sup>h</sup> 14	15 <sup>h</sup> 12
T 10	23 17 8	17 <sup>h</sup> 33'49	20 <sup>h</sup> 20	15 <sup>h</sup> 56	25 <sup>h</sup> 55	22 <sup>h</sup> 35	23 <sup>h</sup> 1	19 <sup>h</sup> 31	26 <sup>h</sup> 44	16 <sup>h</sup> 19	19 <sup>h</sup> 37	9 <sup>h</sup> 51	9 <sup>h</sup> 54	11 <sup>h</sup> 21	15 <sup>h</sup> 10
W 11	23 21 4	18 <sup>h</sup> 32'07	2 <sup>h</sup> 26	17 <sup>h</sup> 51	26 <sup>h</sup> 21	23 <sup>h</sup> 12	22 <sup>h</sup> 56	19 <sup>h</sup> 29	26 <sup>h</sup> 47	16 <sup>h</sup> 19	19 <sup>h</sup> 36	9 <sup>h</sup> 50	9 <sup>h</sup> 51	11 <sup>h</sup> 28	15 <sup>h</sup> 7
T 12	23 25 1	19 <sup>h</sup> 30'27	14 <sup>h</sup> 22	19 <sup>h</sup> 44	26 <sup>h</sup> 45	23 <sup>h</sup> 49	22 <sup>h</sup> 50	19 <sup>h</sup> 28	26 <sup>h</sup> 50	16 <sup>h</sup> 20	19 <sup>h</sup> 34	9 <sup>h</sup> 48	9 <sup>h</sup> 47	11 <sup>h</sup> 34	15 <sup>h</sup> 5
F 13	23 28 58	20 <sup>h</sup> 28'50	26 <sup>h</sup> 12	21 <sup>h</sup> 36	27 <sup>h</sup> 7	24 <sup>h</sup> 27	22 <sup>h</sup> 44	19 <sup>h</sup> 27	26 <sup>h</sup> 54	16 <sup>h</sup> 20	19 <sup>h</sup> 33	9 <sup>h</sup> 43	9 <sup>h</sup> 44	11 <sup>h</sup> 41	15 <sup>h</sup> 2
S 14	23 32 54	21 <sup>h</sup> 27'14	8 <sup>h</sup> 2	23 <sup>h</sup> 27	27 <sup>h</sup> 28	25 <sup>h</sup> 4	22 <sup>h</sup> 39	19 <sup>h</sup> 26	26 <sup>h</sup> 57	16 <sup>h</sup> 20	19 <sup>h</sup> 32	9 <sup>h</sup> 36	9 <sup>h</sup> 41	11 <sup>h</sup> 48	15 <sup>h</sup> 0
S 15	23 36 51	22 <sup>h</sup> 25'41	19 <sup>h</sup> 54	25 <sup>h</sup> 17	27 <sup>h</sup> 47	25 <sup>h</sup> 41	22 <sup>h</sup> 33	19 <sup>h</sup> 24	27 <sup>h</sup> 0	16 <sup>h</sup> 20	19 <sup>h</sup> 31	9 <sup>h</sup> 26	9 <sup>h</sup> 38	11 <sup>h</sup> 55	14 <sup>h</sup> 58
M 16	23 40 47	23 <sup>h</sup> 24'09	1 <sup>h</sup> 52	27 <sup>h</sup> 7	28 <sup>h</sup> 4	26 <sup>h</sup> 18	22 <sup>h</sup> 27	19 <sup>h</sup> 23	27 <sup>h</sup> 3	16 <sup>h</sup> 20	19 <sup>h</sup> 29	9 <sup>h</sup> 13	9 <sup>h</sup> 35	12 <sup>h</sup> 1	14 <sup>h</sup> 55
T 17	23 44 44	24 <sup>h</sup> 22'40	13 <sup>h</sup> 56	28 <sup>h</sup> 55	28 <sup>h</sup> 19	26 <sup>h</sup> 54	22 <sup>h</sup> 21	19 <sup>h</sup> 21	27 <sup>h</sup> 7	16 <sup>h</sup> 20	19 <sup>h</sup> 28	9 <sup>h</sup> 0	9 <sup>h</sup> 32	12 <sup>h</sup> 8	14 <sup>h</sup> 53
W 18	23 48 40	25 <sup>h</sup> 21'12	26 <sup>h</sup> 10	0 <sup>h</sup> 42	28 <sup>h</sup> 32	27 <sup>h</sup> 31	22 <sup>h</sup> 14	19 <sup>h</sup> 19	27 <sup>h</sup> 10	16 <sup>h</sup> 21	19 <sup>h</sup> 27	8 <sup>h</sup> 47	9 <sup>h</sup> 28	12 <sup>h</sup> 15	14 <sup>h</sup> 51
T 19	23 52 37	26 <sup>h</sup> 19'46	8 <sup>h</sup> 32	2 <sup>h</sup> 28	28 <sup>h</sup> 43	28 <sup>h</sup> 8	22 <sup>h</sup> 8	19 <sup>h</sup> 17	27 <sup>h</sup> 13	16 <sup>h</sup> 21	19 <sup>h</sup> 26	8 <sup>h</sup> 35	9 <sup>h</sup> 25	12 <sup>h</sup> 21	14 <sup>h</sup> 49
F 20	23 56 33	27 <sup>h</sup> 18'22	21 <sup>h</sup> 5	4 <sup>h</sup> 13	28 <sup>h</sup> 52	28 <sup>h</sup> 44	22 <sup>h</sup> 1	19 <sup>h</sup> 16	27 <sup>h</sup> 17	16 <sup>h</sup> 21	19 <sup>h</sup> 25	8 <sup>h</sup> 25	9 <sup>h</sup> 22	12 <sup>h</sup> 28	14 <sup>h</sup> 47
S 21	0 0 30	28 <sup>h</sup> 17'00	3 <sup>h</sup> 14	5 <sup>h</sup> 57	28 <sup>h</sup> 59	29 <sup>h</sup> 21	21 <sup>h</sup> 54	19 <sup>h</sup> 13	27 <sup>h</sup> 20	16 <sup>h</sup> 20	19 <sup>h</sup> 23	8 <sup>h</sup> 17	9 <sup>h</sup> 19	12 <sup>h</sup> 35	14 <sup>h</sup> 45
S 22	0 4 26	29 <sup>h</sup> 15'40	16 <sup>h</sup> 41	7 <sup>h</sup> 40	29 <sup>h</sup> 4	29 <sup>h</sup> 57	21 <sup>h</sup> 48	19 <sup>h</sup> 11	27 <sup>h</sup> 24	16 <sup>h</sup> 20	19 <sup>h</sup> 22	8 <sup>h</sup> 13	9 <sup>h</sup> 16	12 <sup>h</sup> 41	14 <sup>h</sup> 43
M 23	0 8 23	0 <sup>h</sup> 14'22	29 <sup>h</sup> 48	9 <sup>h</sup> 22	29 <sup>h</sup> 16	0 <sup>h</sup> 34	21 <sup>h</sup> 41	19 <sup>h</sup> 9	27 <sup>h</sup> 27	16 <sup>h</sup> 20	19 <sup>h</sup> 21	8 <sup>h</sup> 11	9 <sup>h</sup> 13	12 <sup>h</sup> 48	14 <sup>h</sup> 41
T 24	0 12 20	1 <sup>h</sup> 13'05	13 <sup>h</sup> 8	11 <sup>h</sup> 3	29 <sup>h</sup> 6	1 <sup>h</sup> 10	21 <sup>h</sup> 34	19 <sup>h</sup> 7	27 <sup>h</sup> 30	16 <sup>h</sup> 20	19 <sup>h</sup> 20	8 <sup>h</sup> 11	9 <sup>h</sup> 9	12 <sup>h</sup> 55	14 <sup>h</sup> 39
W 25	0 16 16	2 <sup>h</sup> 11'50	26 <sup>h</sup> 44	12 <sup>h</sup> 42	29 <sup>h</sup> 4	1 <sup>h</sup> 46	21 <sup>h</sup> 26	19 <sup>h</sup> 4	27 <sup>h</sup> 34	16 <sup>h</sup> 20	19 <sup>h</sup> 19	8 <sup>h</sup> 11	9 <sup>h</sup> 6	13 <sup>h</sup> 2	14 <sup>h</sup> 37
T 26	0 20 13	3 <sup>h</sup> 10'37	10 <sup>h</sup> 37	14 <sup>h</sup> 21	28 <sup>h</sup> 59	2 <sup>h</sup> 22	21 <sup>h</sup> 19	19 <sup>h</sup> 2	27 <sup>h</sup> 37	16 <sup>h</sup> 20	19 <sup>h</sup> 17	8 <sup>h</sup> 11	9 <sup>h</sup> 3	13 <sup>h</sup> 8	14 <sup>h</sup> 36
F 27	0 24 9	4 <sup>h</sup> 9'25	24 <sup>h</sup> 48	16 <sup>h</sup> 0	28 <sup>h</sup> 52	2 <sup>h</sup> 58	21 <sup>h</sup> 12	18 <sup>h</sup> 59	27 <sup>h</sup> 41	16 <sup>h</sup> 19	19 <sup>h</sup> 16	8 <sup>h</sup> 9	9 <sup>h</sup> 0	13 <sup>h</sup> 15	14 <sup>h</sup> 34
S 28	0 28 6	5 <sup>h</sup> 8'15	9 <sup>h</sup> 16	17 <sup>h</sup> 37	28 <sup>h</sup> 42	3 <sup>h</sup> 33	21 <sup>h</sup> 4	18 <sup>h</sup> 56	27 <sup>h</sup> 45	16 <sup>h</sup> 19	19 <sup>h</sup> 15	8 <sup>h</sup> 5	8 <sup>h</sup> 57	13 <sup>h</sup> 22	14 <sup>h</sup> 32
S 29	0 32 2	6 <sup>h</sup> 7'07	23 <sup>h</sup> 56	19 <sup>h</sup> 13	28 <sup>h</sup> 30	4 <sup>h</sup> 9	20 <sup>h</sup> 57	18 <sup>h</sup> 54	27 <sup>h</sup> 48	16 <sup>h</sup> 19	19 <sup>h</sup> 14	7 <sup>h</sup> 59	8 <sup>h</sup> 53	13 <sup>h</sup> 28	14 <sup>h</sup> 31
M 30	0 35 59	7 <sup>h</sup> 6'00	8 <sup>h</sup> 44	20 <sup>h</sup> 48	28 <sup>h</sup> 16	4 <sup>h</sup> 45	20 <sup>h</sup> 49	18 <sup>h</sup> 51	27 <sup>h</sup> 52	16 <sup>h</sup> 19	19 <sup>h</sup> 13	7 <sup>h</sup> 51	8 <sup>h</sup> 50	13 <sup>h</sup> 35	14 <sup>h</sup> 29

Delta T = 136.81 sec.

## OCTOBER 2058

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	0 39 55	8♂ 4'55	23♂31	22♂23	27♂R59	5♂20	20♂R42	18♂R48	27♂55	16♂R18	19♂R11	7♂R42	8♂47	13♂42	14♂R28
W 2	0 43 52	9° 3'52	8♂10	23°56	27♂40	5°55	20♂Y34	18♂45	27°59	16♂18	19♂10	7♂32	8°44	13°49	14♂26
T 3	0 47 48	10° 2'51	22°32	25°29	27°19	6°31	20°26	18°41	28° 3	16°17	19° 9	7°24	8°41	13°55	14°25
F 4	0 51 45	11° 1'53	6♂33	27° 1	26°55	7° 6	20°18	18°38	28° 6	16°17	19° 8	7°18	8°38	14° 2	14°24
S 5	0 55 42	12° 0'56	20° 8	28°32	26°30	7°41	20°10	18°35	28°10	16°16	19° 7	7°15	8°34	14° 9	14°22
S 6	0 59 38	13° 0'02	3♂17	0♂ 2	26° 2	8°16	20° 2	18°32	28°14	16°16	19° 6	7°D13	8°31	14°15	14°21
M 7	1 3 35	13°59'10	16° 3	1°32	25°33	8°50	19°54	18°28	28°17	16°15	19° 5	7°14	8°28	14°22	14°20
T 8	1 7 31	14°58'20	28°27	3° 0	25° 2	9°25	19°46	18°24	28°21	16°15	19° 4	7°15	8°25	14°29	14°19
W 9	1 11 28	15°57'33	10♂36	4°28	24°29	10° 0	19°38	18°21	28°25	16°14	19° 3	7°R16	8°22	14°36	14°18
T 10	1 15 24	16°56'48	22°34	5°55	23°56	10°34	19°30	18°17	28°28	16°13	19° 1	7°15	8°19	14°42	14°17
F 11	1 19 21	17°56'05	4♂26	7°21	23°21	11° 9	19°22	18°13	28°32	16°13	19° 0	7°14	8°15	14°49	14°16
S 12	1 23 17	18°55'24	16°17	8°46	22°46	11°43	19°14	18°10	28°36	16°12	18°59	7°10	8°12	14°56	14°16
S 13	1 27 14	19°54'46	28°12	10°10	22° 9	12°17	19° 6	18° 6	28°39	16°11	18°58	7° 4	8° 9	15° 2	14°15
M 14	1 31 11	20°54'10	10♂14	11°33	21°33	12°51	18°58	18° 2	28°43	16°10	18°57	6°57	8° 6	15° 9	14°14
T 15	1 35 7	21°53'36	22°26	12°56	20°56	13°25	18°50	17°58	28°47	16° 9	18°56	6°49	8° 3	15°16	14°14
W 16	1 39 4	22°53'04	4♂50	14°17	20°19	13°58	18°42	17°53	28°51	16° 9	18°55	6°40	7°59	15°23	14°13
T 17	1 43 0	23°52'35	17°27	15°37	19°43	14°32	18°34	17°49	28°55	16° 8	18°54	6°33	7°56	15°29	14°13
F 18	1 46 57	24°52'07	0♂17	16°56	19° 8	15° 5	18°26	17°45	28°58	16° 7	18°53	6°26	7°53	15°36	14°12
S 19	1 50 53	25°51'41	13°21	18°14	18°33	15°39	18°18	17°41	29° 2	16° 6	18°52	6°22	7°50	15°43	14°12
S 20	1 54 50	26°51'18	26°36	19°31	17°59	16°12	18°10	17°36	29° 6	16° 5	18°51	6°20	7°47	15°49	14°12
M 21	1 58 46	27°50'56	10♂ 3	20°46	17°26	16°45	18° 2	17°32	29°10	16° 4	18°51	6°D19	7°44	15°56	14°12
T 22	2 2 43	28°50'37	23°40	22° 0	16°55	17°18	17°54	17°28	29°13	16° 3	18°50	6°20	7°40	16° 3	14°11
W 23	2 6 40	29°50'18	7♂28	23°12	16°26	17°50	17°46	17°23	29°17	16° 2	18°49	6°22	7°37	16°10	14°D11
T 24	2 10 36	0♂50'02	21°25	24°22	15°58	18°23	17°39	17°19	29°21	16° 1	18°48	6°23	7°34	16°16	14°11
F 25	2 14 33	1°49'47	5♂32	25°31	15°32	18°55	17°31	17°14	29°25	16° 0	18°47	6°R23	7°31	16°23	14°12
S 26	2 18 29	2°49'34	19°46	26°37	15° 9	19°28	17°23	17° 9	29°29	15°59	18°46	6°22	7°28	16°30	14°12
S 27	2 22 26	3°49'23	4♂ 5	27°41	14°47	20° 0	17°16	17° 5	29°32	15°57	18°45	6°19	7°24	16°36	14°12
M 28	2 26 22	4°49'13	18°27	28°43	14°28	20°32	17° 9	17° 0	29°36	15°56	18°45	6°16	7°21	16°43	14°12
T 29	2 30 19	5°49'05	2°Y46	29°41	14°11	21° 4	17° 1	16°55	29°40	15°55	18°44	6°11	7°18	16°50	14°13
W 30	2 34 15	6°48'58	16°57	0♂37	13°56	21°35	16°54	16°51	29°44	15°54	18°43	6° 6	7°15	16°56	14°13
T 31	2 38 12	7♂48'54	0♂57	1♂29	13♂44	22♂ 7	16♂Y47	16♂46	29♂47	15♂53	18♂42	6♂ 2	7♂12	17♂ 3	14♂13

# SWISS EPHEMERIS for the year 2058

NOVEMBER 2058

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	2 42 9	8♉48°51	14♊40	2♈17	13°R34	22♈38	16°R40	16°R41	29♈51	15°R51	18°R42	6°R 0	7♉9	17♉10	14♊14
S 2	2 46 5	9°48'50	28° 3	3° 0	13♈27	23° 9	16°V33	16♈36	29°55	15♈50	18♈41	5♈58	7° 5	17°17	14°15
S 3	2 50 2	10°48'52	11♈6	3°39	13°23	23°40	16°27	16°32	29°59	15°49	18°40	5°D58	7° 2	17°23	14°15
M 4	2 53 58	11°48'55	23°50	4°13	13°D20	24°11	16°20	16°27	0♈2	15°47	18°40	5°59	6°59	17°30	14°16
T 5	2 57 55	12°49'00	6♈15	4°40	13°21	24°42	16°14	16°22	0° 6	15°46	18°39	6° 0	6°56	17°37	14°17
W 6	3 1 51	13°49'08	18°25	5° 1	13°23	25°12	16° 7	16°17	0°10	15°45	18°38	6° 2	6°53	17°44	14°18
T 7	3 5 48	14°49'17	0♈25	5°14	13°28	25°43	16° 1	16°12	0°13	15°43	18°38	6° 4	6°50	17°50	14°19
F 8	3 9 44	15°49'29	12°18	5°R20	13°36	26°13	15°55	16° 7	0°17	15°42	18°37	6°R 4	6°46	17°57	14°20
S 9	3 13 41	16°49'42	24°11	5°17	13°45	26°43	15°49	16° 3	0°21	15°41	18°37	6° 4	6°43	18° 4	14°21
S 10	3 17 38	17°49'57	6♈6	5° 5	13°57	27°13	15°43	15°58	0°24	15°39	18°36	6° 3	6°40	18°10	14°22
M 11	3 21 34	18°50'15	18°10	4°43	14°11	27°42	15°38	15°53	0°28	15°38	18°36	6° 1	6°37	18°17	14°23
T 12	3 25 31	19°50'34	0♈25	4°12	14°27	28°11	15°33	15°48	0°32	15°36	18°35	5°59	6°34	18°24	14°24
W 13	3 29 27	20°50'55	12°56	3°30	14°45	28°41	15°27	15°43	0°35	15°35	18°35	5°57	6°30	18°31	14°26
T 14	3 33 24	21°51'19	25°43	2°38	15° 5	29° 9	15°22	15°38	0°39	15°33	18°34	5°54	6°27	18°37	14°27
F 15	3 37 20	22°51'43	8♈49	1°38	15°27	29°38	15°17	15°34	0°42	15°32	18°34	5°53	6°24	18°44	14°29
S 16	3 41 17	23°52'10	22°13	0°29	15°51	0♈7	15°13	15°29	0°46	15°30	18°33	5°52	6°21	18°51	14°30
S 17	3 45 13	24°52'39	5♈54	29♈14	16°17	0°35	15° 8	15°24	0°50	15°28	18°33	5°D51	6°18	18°57	14°32
M 18	3 49 10	25°53'09	19°48	27°54	16°44	1° 3	15° 4	15°19	0°53	15°27	18°33	5°52	6°15	19° 4	14°33
T 19	3 53 7	26°53'40	3♈53	26°33	17°13	1°31	14°59	15°15	0°57	15°25	18°32	5°52	6°11	19°11	14°35
W 20	3 57 3	27°54'13	18° 4	25°13	17°44	1°58	14°55	15°10	1° 0	15°24	18°32	5°53	6° 8	19°18	14°37
T 21	4 1 0	28°54'47	2♈19	23°56	18°16	2°26	14°52	15° 5	1° 4	15°22	18°32	5°54	6° 5	19°24	14°39
F 22	4 4 56	29°55'22	16°35	22°46	18°49	2°53	14°48	15° 1	1° 7	15°21	18°31	5°54	6° 2	19°31	14°41
S 23	4 8 53	0♈55'58	0♈47	21°43	19°24	3°20	14°45	14°56	1°10	15°19	18°31	5°R54	5°59	19°38	14°43
S 24	4 12 49	1°56'36	14°55	20°50	20° 1	3°46	14°41	14°51	1°14	15°17	18°31	5°54	5°56	19°44	14°45
M 25	4 16 46	2°57'14	28°57	20° 9	20°39	4°13	14°38	14°57	1°17	15°16	18°31	5°54	5°52	19°51	14°47
T 26	4 20 42	3°57'54	12♈49	19°38	21°17	4°39	14°36	14°43	1°21	15°14	18°31	5°54	5°49	19°58	14°49
W 27	4 24 39	4°58'34	26°32	19°20	21°58	5° 4	14°33	14°38	1°24	15°12	18°31	5°54	5°46	20° 5	14°51
T 28	4 28 36	5°59'16	10♈2	19°D12	22°39	5°30	14°31	14°34	1°27	15°11	18°30	5°D54	5°43	20°11	14°53
F 29	4 32 32	6°59'59	23°20	19°16	23°22	5°55	14°28	14°29	1°30	15° 9	18°30	5°54	5°40	20°18	14°56
S 30	4 36 29	8♈0'44	6♈23	19♈30	24♈5	6♈20	14°V26	14♈25	1♈34	15♈7	18♈30	5°R54	5♈36	20♈25	14♈58

Delta T = 137.12 sec.

DECEMBER 2058

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	4 40 25	9♈1'29	19♈12	19♈53	24♈50	6♈45	14°R24	14°R21	1♈37	15°R 6	18°R30	5°R54	5♈33	20♈31	15♈ 0
M 2	4 44 22	10° 2'16	1♈46	20°25	25°36	7° 9	14°V23	14♈17	1°40	15♈4	18°D30	5♈53	5°30	20°38	15° 3
T 3	4 48 18	11° 3'04	14° 7	21° 4	26°22	7°33	14°21	14°13	1°43	15° 2	18♈30	5°53	5°27	20°45	15° 5
W 4	4 52 15	12° 3'54	26°15	21°50	27°10	7°57	14°20	14° 9	1°46	15° 1	18°30	5°52	5°24	20°52	15° 8
T 5	4 56 12	13° 4'45	8♈15	22°42	27°58	8°21	14°19	14° 5	1°49	14°59	18°30	5°51	5°21	20°58	15°11
F 6	5 0 8	14° 5'37	20° 9	23°39	28°48	8°44	14°19	14° 1	1°52	14°57	18°30	5°50	5°17	21° 5	15°13
S 7	5 4 5	15° 6'30	2♈0	24°41	29°38	9° 6	14°18	13°57	1°55	14°55	18°30	5°49	5°14	21°12	15°16
S 8	5 8 1	16° 7'24	13°55	25°46	0♈29	9°29	14°18	13°54	1°58	14°54	18°31	5°D49	5°11	21°18	15°19
M 9	5 11 58	17° 8'20	25°56	26°56	1°21	9°51	14°D17	13°50	2° 1	14°52	18°31	5°49	5° 8	21°25	15°22
T 10	5 15 54	18° 9'17	8♈10	28° 8	2°14	10°13	14°18	13°46	2° 4	14°50	18°31	5°50	5° 5	21°32	15°25
W 11	5 19 51	19°10'15	20°40	29°22	3° 7	10°34	14°18	13°43	2° 7	14°49	18°31	5°51	5° 2	21°39	15°28
T 12	5 23 47	20°11'15	3♈30	0♈39	4° 1	10°55	14°18	13°39	2°10	14°47	18°31	5°52	4°58	21°45	15°31
F 13	5 27 44	21°12'15	16°42	1°58	4°56	11°16	14°19	13°36	2°13	14°45	18°32	5°53	4°55	21°52	15°34
S 14	5 31 41	22°13'17	0♈19	3°19	5°51	11°36	14°20	13°33	2°16	14°44	18°32	5°R54	4°52	21°59	15°37
S 15	5 35 37	23°14'19	28°18	4°41	6°47	11°56	14°21	13°30	2°18	14°42	18°32	5°54	4°49	22° 6	15°40
M 16	5 39 34	24°15'22	28°37	6° 4	7°43	12°16	14°22	13°27	2°21	14°40	18°33	5°53	4°46	22°12	15°43
T 17	5 43 30	25°16'26	13♈11	7°29	8°40	12°35	14°24	13°24	2°24	14°39	18°33	5°51	4°42	22°19	15°47
W 18	5 47 27	26°17'31	27°53	8°54	9°38	12°53	14°26	13°21	2°26	14°37	18°33	5°48	4°39	22°26	15°50
T 19	5 51 23	27°18'36	12♈35	10°20	10°36	13°12	14°27	13°18	2°29	14°35	18°34	5°45	4°36	22°32	15°53
F 20	5 55 20	28°19'41	27°12	11°47	11°35	13°29	14°30	13°15	2°31	14°34	18°34	5°42	4°33	22°39	15°57
S 21	5 59 17	29°20'47	11♈38	13°14	12°34	13°47	14°32	13°13	2°34	14°32	18°35	5°40	4°30	22°46	16° 0
S 22	6 3 13	0♈21'53	25°48	14°42	13°33	14° 4	14°34	13°10	2°36	14°30	18°35	5°D39	4°27	22°53	16° 3
M 23	6 7 10	1°22'59	9♈42	16°11	14°33	14°20	14°37	13° 8	2°39	14°29	18°36	5°40	4°23	22°59	16° 7
T 24	6 11 6	2°24'05	23°19	17°40	15°34	14°36	14°40	13° 5	2°41	14°27	18°36	5°41	4°20	23° 6	16°11
W 25	6 15 3	3°25'11	6♈41	19°10	16°35	14°51	14°43	13° 3	2°43	14°26	18°37	5°42	4°17	23°13	16°14
T 26	6 18 59	4°26'18	19°47	20°40	17°36	15° 6	14°47	13° 1	2°46	14°24	18°37	5°44	4°14	23°19	16°18
F 27	6 22 56	5°27'24	2♈40	22°10	18°38	15°21	14°50	12°59	2°48	14°22	18°38	5°R45	4°11	23°26	16°21
S 28	6 26 52	6°28'31	15°21	23°41	19°40	15°35	14°54	12°57	2°50	14°21	18°38	5°44	4° 8	23°33	16°25
S 29	6 30 49	7°29'38	27°51	25°12	20°42	15°48	14°58	12°55	2°52	14°19	18°39	5°42	4° 4	23°40	16°29
M 30	6 34 46	8°30'46	10♈12	26°43	21°45	16° 1	15° 2	12°54	2°54	14°18	18°40	5°39	4° 1	23°46	16°33
T 31	6 38 42	9♈31'53	22♈23	28♈15	22♈48	16♈14	15°V 6	12♈52	2♈56	14♈16	18♈40	5♈33	3♈58	23♈53	16♈36

Delta T = 137.26 sec.

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