

SWISS EPHEMERIS for the year 2071

JANUARY 2071

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	6 43 3	10°38'32	5°36	19°22	1°21	25°24	20°11	0°26	24°43	11°51	2°28	11°59	11°49	2°17	4°12
F 2	6 47 0	11°39'42	16°59	20°37	2°36	26° 8	20°15	0°29	24°46	11°54	2°29	11°44	11°46	2°24	4°13
S 3	6 50 56	12°40'52	28°55	21°55	3°51	26°53	20°19	0°33	24°50	11°47	2°29	11°29	11°43	2°30	4°14
S 4	6 54 53	13°42'03	10°55	23°14	5° 6	27°37	20°23	0°37	24°53	11°46	2°30	11°16	11°40	2°37	4°16
M 5	6 58 49	14°43'13	23° 0	24°34	6°21	28°21	20°27	0°40	24°57	11°44	2°30	11° 6	11°37	2°44	4°17
T 6	7 2 46	15°44'23	5°13	25°56	7°36	29° 6	20°31	0°44	25° 0	11°42	2°31	10°58	11°34	2°51	4°18
W 7	7 6 43	16°45'32	17°37	27°18	8°51	29°50	20°36	0°47	25° 4	11°41	2°31	10°54	11°30	2°57	4°19
T 8	7 10 39	17°46'42	0°14	28°42	10° 6	0°35	20°41	0°51	25° 7	11°39	2°32	10°52	11°27	3° 4	4°20
F 9	7 14 36	18°47'50	13° 9	0°36	11°21	1°19	20°46	0°54	25°11	11°37	2°32	10°52	11°24	3°11	4°22
S 10	7 18 32	19°48'59	26°27	1°31	12°36	2° 4	20°51	0°57	25°14	11°35	2°33	10°52	11°21	3°18	4°23
S 11	7 22 29	20°50'07	10° 9	2°57	13°50	2°48	20°56	1° 0	25°18	11°34	2°33	10°51	11°18	3°24	4°24
M 12	7 26 25	21°51'14	24°19	4°24	15° 5	3°33	21° 2	1° 3	25°21	11°32	2°34	10°48	11°14	3°31	4°26
T 13	7 30 22	22°52'21	8°15	5°51	16°20	4°17	21° 8	1° 6	25°24	11°30	2°35	10°42	11°11	3°38	4°27
W 14	7 34 19	23°53'27	23°53	7°19	17°35	5° 2	21°14	1° 9	25°28	11°29	2°35	10°33	11° 8	3°44	4°29
T 15	7 38 15	24°54'33	9°26	8°47	18°49	5°47	21°20	1°11	25°31	11°27	2°36	10°22	11° 5	3°51	4°31
F 16	7 42 12	25°55'39	24°24	10°17	20° 4	6°32	21°26	1°14	25°34	11°26	2°37	10°11	11° 2	3°58	4°32
S 17	7 46 8	26°56'44	9°23	11°46	21°19	7°17	21°32	1°16	25°37	11°24	2°37	10° 1	10°59	4° 5	4°34
S 18	7 50 5	27°57'48	24°27	13°17	22°34	8° 1	21°39	1°19	25°41	11°22	2°38	9°52	10°55	4°11	4°36
M 19	7 54 1	28°58'52	8°15	14°48	23°48	8°46	21°46	1°21	25°44	11°21	2°39	9°46	10°52	4°18	4°37
T 20	7 57 58	29°59'56	22°53	16°19	25° 3	9°31	21°53	1°23	25°47	11°19	2°40	9°42	10°49	4°25	4°39
W 21	8 1 54	1°00'59	6°21	17°51	26°17	10°16	22° 0	1°25	25°50	11°17	2°40	9°D41	10°46	4°31	4°41
T 22	8 5 51	2° 2'02	19°22	19°24	27°32	11° 1	22° 7	1°27	25°53	11°16	2°41	9°41	10°43	4°38	4°43
F 23	8 9 48	3° 3'05	1°15	20°57	28°47	11°46	22°14	1°29	25°56	11°14	2°42	9°R42	10°39	4°45	4°45
S 24	8 13 44	4° 4'07	14°17	22°31	0°18	12°31	22°22	1°31	26° 0	11°13	2°43	9°41	10°36	4°52	4°47
S 25	8 17 41	5° 5'09	26°21	24° 5	1°16	13°17	22°29	1°32	26° 3	11°11	2°44	9°39	10°33	4°58	4°49
M 26	8 21 37	6° 6'10	8°16	25°40	2°30	14° 2	22°37	1°34	26° 6	11°10	2°45	9°34	10°30	5° 5	4°51
T 27	8 25 34	7° 7'11	20° 8	27°16	3°44	14°47	22°45	1°35	26° 9	11° 8	2°46	9°26	10°27	5°12	4°54
W 28	8 29 30	8° 8'11	1°35	28°52	4°59	15°32	22°53	1°37	26°12	11° 7	2°47	9°16	10°24	5°19	4°56
T 29	8 33 27	9° 9'11	13°51	0°29	6°13	16°17	23° 2	1°38	26°15	11° 5	2°48	9° 5	10°20	5°25	4°58
F 30	8 37 23	10°10'09	25°47	2° 6	7°28	17° 3	23°10	1°39	26°17	11° 4	2°49	8°52	10°17	5°32	5° 0
S 31	8 41 20	11°11'07	7°50	3°44	8°42	17°48	23°19	1°40	26°20	11° 2	2°50	8°41	10°14	5°39	5° 3

Delta T = 159.58 sec.

FEBRUARY 2071

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	8 45 17	12°12'04	19°59	5°23	9°56	18°34	23°27	1°41	26°23	11°R 1	2°51	8°R30	10°11	5°45	5° 5
M 2	8 49 13	13°13'00	2°17	7° 3	11°10	19°19	23°36	1°42	26°26	11° 0	2°52	8°22	10° 8	5°52	5° 7
T 3	8 53 10	14°13'54	14°43	8°43	12°25	20° 4	23°45	1°42	26°29	10°58	2°53	8°17	10° 5	5°59	5°10
W 4	8 57 6	15°14'48	27°19	10°24	13°39	20°50	23°54	1°43	26°31	10°57	2°54	8°14	10° 1	6° 6	5°12
T 5	9 1 3	16°15'40	10°17	12° 6	14°53	21°36	24° 4	1°43	26°34	10°56	2°55	8°D13	9°58	6°12	5°15
F 6	9 4 59	17°16'30	23° 9	13°48	16° 7	22°21	24°13	1°44	26°37	10°54	2°56	8°14	9°55	6°19	5°18
S 7	9 8 56	18°17'20	6°28	15°31	17°21	23° 7	24°23	1°44	26°39	10°53	2°57	8°15	9°52	6°26	5°20
S 8	9 12 52	19°18'08	20° 6	17°15	18°35	23°52	24°32	1°44	26°42	10°52	2°58	8°R16	9°49	6°32	5°23
M 9	9 16 49	20°18'54	4°11	19° 0	19°49	24°38	24°42	1°R44	26°44	10°50	2°59	8°15	9°45	6°39	5°25
T 10	9 20 45	21°19'39	18°22	20°45	21° 3	25°24	24°52	1°44	26°47	10°49	3° 0	8°12	9°42	6°46	5°28
W 11	9 24 42	22°20'22	2°29	22°32	22°17	26° 9	25° 2	1°44	26°49	10°48	3° 2	8° 7	9°39	6°53	5°31
T 12	9 28 39	23°21'04	17°48	24°19	23°30	26°55	25°12	1°44	26°52	10°47	3° 3	8° 1	9°36	6°59	5°34
F 13	9 32 35	24°21'44	2°44	26° 6	24°44	27°41	25°22	1°44	26°54	10°46	3° 4	7°54	9°33	7° 6	5°37
S 14	9 36 32	25°22'23	17°37	27°55	25°58	28°27	25°33	1°43	26°56	10°45	3° 5	7°47	9°30	7°13	5°39
S 15	9 40 28	26°23'00	2°19	29°44	27°11	29°12	25°43	1°42	26°59	10°44	3° 6	7°41	9°26	7°20	5°42
M 16	9 44 25	27°23'36	16°42	1°34	28°25	29°58	25°54	1°42	27° 1	10°42	3° 8	7°38	9°23	7°26	5°45
T 17	9 48 21	28°24'11	0°41	3°24	29°39	0°44	26° 4	1°41	27° 3	10°41	3° 9	7°36	9°20	7°33	5°48
W 18	9 52 18	29°24'44	14°14	5°15	0°52	1°30	26°15	1°40	27° 5	10°40	3°10	7°D36	9°17	7°40	5°51
T 19	9 56 14	0°25'16	27°21	7° 6	2° 5	2°16	26°26	1°39	27° 7	10°39	3°12	7°37	9°14	7°46	5°54
F 20	10 0 11	1°25'46	10°15	8°57	3°19	3° 2	26°37	1°38	27°10	10°38	3°13	7°39	9°11	7°53	5°57
S 21	10 4 8	2°26'16	22°28	10°49	4°32	3°48	26°48	1°37	27°12	10°38	3°14	7°40	9° 7	8° 0	6° 0
S 22	10 8 4	3°26'44	4°36	12°41	5°45	4°34	27° 0	1°36	27°14	10°37	3°15	7°R41	9° 4	8° 7	6° 3
M 23	10 12 1	4°27'11	16°34	14°32	6°58	5°20	27°11	1°34	27°16	10°36	3°17	7°40	9° 1	8°13	6° 6
T 24	10 15 57	5°27'36	28°27	16°23	8°12	6° 6	27°22	1°33	27°17	10°35	3°18	7°37	8°58	8°20	6° 9
W 25	10 19 54	6°28'00	10°18	18°13	9°25	6°52	27°34	1°31	27°19	10°34	3°19	7°34	8°55	8°27	6°13
T 26	10 23 50	7°28'23	22°13	20° 2	10°38	7°38	27°45	1°29	27°21	10°33	3°21	7°29	8°51	8°34	6°16
F 27	10 27 47	8°28'44	4°13	21°50	11°51	8°25	27°57	1°28	27°23	10°33	3°22	7°24	8°48	8°40	6°19
S 28	10 31 43	9°29'04	16°23	23°36	13°17	9°41	28° 9	1°26	27°25	10°32	3°24	7°21	8°45	8°47	6°22

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SWISS EPHEMERIS for the year 2071

MARCH 2071

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	10 35 40	10 ^h 29'22"	28 ^h 43'	25 ^h 19'	14 ^h 16'	9 ^h 57'	28 ^h 21'	1 ^h 24'	27 ^h 26'	10 ^h 31'	3 ^h 25'	7 ^h 14'	8 ^h 42'	8 ^h 54'	6 ^h 25'
M 2	10 39 37	11 ^h 29'38"	11 ^h 15'	27 ^h 0'	15 ^h 29'	10 ^h 43'	28 ^h 33'	1 ^h 22'	27 ^h 28'	10 ^h 31'	3 ^h 26'	7 ^h 11'	8 ^h 39'	9 ^h 0'	6 ^h 29'
T 3	10 43 33	12 ^h 29'52"	23 ^h 59'	28 ^h 37'	16 ^h 42'	11 ^h 29'	28 ^h 45'	1 ^h 20'	27 ^h 29'	10 ^h 30'	3 ^h 28'	7 ^h 9'	8 ^h 36'	9 ^h 7'	6 ^h 32'
W 4	10 47 30	13 ^h 30'05"	6 ^h 56'	0 ^h 11'	17 ^h 54'	12 ^h 16'	28 ^h 57'	1 ^h 17'	27 ^h 31'	10 ^h 29'	3 ^h 29'	7 ^h 8'	8 ^h 32'	9 ^h 14'	6 ^h 35'
T 5	10 51 26	14 ^h 30'16"	20 ^h 5'	1 ^h 40'	19 ^h 7'	13 ^h 2'	29 ^h 9'	1 ^h 15'	27 ^h 32'	10 ^h 29'	3 ^h 31'	7 ^h 8'	8 ^h 29'	9 ^h 21'	6 ^h 38'
F 6	10 55 23	15 ^h 30'25"	3 ^h 26'	3 ^h 4'	20 ^h 19'	13 ^h 48'	29 ^h 21'	1 ^h 12'	27 ^h 34'	10 ^h 28'	3 ^h 32'	7 ^h 10'	8 ^h 26'	9 ^h 27'	6 ^h 42'
S 7	10 59 19	16 ^h 30'31"	17 ^h 1'	4 ^h 22'	21 ^h 32'	14 ^h 35'	29 ^h 34'	1 ^h 10'	27 ^h 35'	10 ^h 28'	3 ^h 34'	7 ^h 11'	8 ^h 23'	9 ^h 34'	6 ^h 45'
S 8	11 3 16	17 ^h 30'36"	0 ^h 17'	5 ^h 34'	22 ^h 44'	15 ^h 21'	29 ^h 46'	1 ^h 7'	27 ^h 36'	10 ^h 27'	3 ^h 35'	7 ^h 12'	8 ^h 20'	9 ^h 41'	6 ^h 49'
M 9	11 7 12	18 ^h 30'39"	14 ^h 45'	6 ^h 40'	23 ^h 56'	16 ^h 7'	29 ^h 59'	1 ^h 5'	27 ^h 38'	10 ^h 27'	3 ^h 36'	7 ^h 13'	8 ^h 16'	9 ^h 47'	6 ^h 52'
T 10	11 11 9	19 ^h 30'39"	28 ^h 55'	7 ^h 38'	25 ^h 8'	16 ^h 54'	0 ^h 11'	1 ^h 2'	27 ^h 39'	10 ^h 26'	3 ^h 38'	7 ^h 13'	8 ^h 13'	9 ^h 54'	6 ^h 55'
W 11	11 15 5	20 ^h 30'37"	13 ^h 51'	8 ^h 29'	26 ^h 20'	17 ^h 40'	0 ^h 24'	0 ^h 59'	27 ^h 40'	10 ^h 26'	3 ^h 39'	7 ^h 12'	8 ^h 10'	10 ^h 1'	6 ^h 59'
T 12	11 19 2	21 ^h 30'33"	27 ^h 39'	9 ^h 12'	27 ^h 32'	18 ^h 26'	0 ^h 36'	0 ^h 56'	27 ^h 41'	10 ^h 26'	3 ^h 41'	7 ^h 10'	8 ^h 7'	10 ^h 8'	7 ^h 2'
F 13	11 22 59	22 ^h 30'27"	12 ^h 6'	9 ^h 47'	28 ^h 44'	19 ^h 13'	0 ^h 49'	0 ^h 53'	27 ^h 42'	10 ^h 25'	3 ^h 42'	7 ^h 8'	8 ^h 4'	10 ^h 14'	7 ^h 6'
S 14	11 26 55	23 ^h 30'19"	26 ^h 30'	10 ^h 13'	29 ^h 56'	19 ^h 59'	1 ^h 2'	0 ^h 50'	27 ^h 43'	10 ^h 25'	3 ^h 44'	7 ^h 6'	8 ^h 1'	10 ^h 21'	7 ^h 9'
S 15	11 30 52	24 ^h 30'08"	10 ^h 46'	10 ^h 30'	1 ^h 8'	20 ^h 46'	1 ^h 15'	0 ^h 47'	27 ^h 44'	10 ^h 25'	3 ^h 45'	7 ^h 5'	7 ^h 57'	10 ^h 28'	7 ^h 12'
M 16	11 34 48	25 ^h 29'55"	24 ^h 48'	10 ^h 39'	2 ^h 19'	21 ^h 32'	1 ^h 28'	0 ^h 43'	27 ^h 45'	10 ^h 25'	3 ^h 47'	7 ^h 4'	7 ^h 54'	10 ^h 35'	7 ^h 16'
T 17	11 38 45	26 ^h 29'41"	8 ^h 34'	10 ^h 39'	3 ^h 31'	22 ^h 18'	1 ^h 41'	0 ^h 40'	27 ^h 46'	10 ^h 25'	3 ^h 48'	7 ^h 4'	7 ^h 51'	10 ^h 41'	7 ^h 19'
W 18	11 42 41	27 ^h 29'24"	22 ^h 0'	10 ^h 30'	4 ^h 42'	23 ^h 5'	1 ^h 54'	0 ^h 37'	27 ^h 47'	10 ^h 24'	3 ^h 50'	7 ^h 4'	7 ^h 48'	10 ^h 48'	7 ^h 23'
T 19	11 46 38	28 ^h 29'06"	5 ^h 11'	10 ^h 14'	5 ^h 54'	23 ^h 51'	2 ^h 7'	0 ^h 33'	27 ^h 47'	10 ^h 24'	3 ^h 51'	7 ^h 5'	7 ^h 45'	10 ^h 55'	7 ^h 26'
F 20	11 50 34	29 ^h 28'46"	17 ^h 49'	9 ^h 50'	7 ^h 5'	24 ^h 38'	2 ^h 20'	0 ^h 30'	27 ^h 48'	10 ^h 24'	3 ^h 53'	7 ^h 6'	7 ^h 42'	11 ^h 1'	7 ^h 30'
S 21	11 54 31	0 ^h 28'24"	0 ^h 16'	9 ^h 20'	8 ^h 16'	25 ^h 24'	2 ^h 34'	0 ^h 26'	27 ^h 49'	10 ^h 24'	3 ^h 54'	7 ^h 6'	7 ^h 38'	11 ^h 8'	7 ^h 33'
S 22	11 58 27	1 ^h 28'01"	12 ^h 28'	8 ^h 43'	9 ^h 27'	26 ^h 11'	2 ^h 47'	0 ^h 22'	27 ^h 49'	10 ^h 24'	3 ^h 56'	7 ^h 7'	7 ^h 35'	11 ^h 15'	7 ^h 37'
M 23	12 2 24	2 ^h 27'36"	24 ^h 29'	8 ^h 1'	10 ^h 38'	26 ^h 57'	3 ^h 0'	0 ^h 19'	27 ^h 50'	10 ^h 24'	3 ^h 57'	7 ^h 7'	7 ^h 32'	11 ^h 22'	7 ^h 40'
T 24	12 6 21	3 ^h 27'09"	6 ^h 23'	7 ^h 15'	11 ^h 49'	27 ^h 44'	3 ^h 14'	0 ^h 15'	27 ^h 50'	10 ^h 24'	3 ^h 59'	7 ^h 7'	7 ^h 29'	11 ^h 28'	7 ^h 44'
W 25	12 10 17	4 ^h 26'40"	18 ^h 16'	6 ^h 25'	12 ^h 59'	28 ^h 30'	3 ^h 27'	0 ^h 11'	27 ^h 51'	10 ^h 24'	4 ^h 0'	7 ^h 7'	7 ^h 26'	11 ^h 35'	7 ^h 47'
T 26	12 14 14	5 ^h 26'09"	0 ^h 12'	5 ^h 33'	14 ^h 10'	29 ^h 17'	3 ^h 41'	0 ^h 7'	27 ^h 51'	10 ^h 25'	4 ^h 2'	7 ^h 7'	7 ^h 22'	11 ^h 42'	7 ^h 51'
F 27	12 18 10	6 ^h 25'37"	12 ^h 14'	4 ^h 41'	15 ^h 20'	0 ^h 13'	3 ^h 54'	0 ^h 3'	27 ^h 52'	10 ^h 25'	4 ^h 3'	7 ^h 7'	7 ^h 19'	11 ^h 48'	7 ^h 55'
S 28	12 22 7	7 ^h 25'03"	24 ^h 28'	3 ^h 48'	16 ^h 31'	0 ^h 50'	4 ^h 8'	29 ^h 59'	27 ^h 52'	10 ^h 25'	4 ^h 5'	7 ^h 7'	7 ^h 16'	11 ^h 55'	7 ^h 58'
S 29	12 26 3	8 ^h 24'27"	6 ^h 56'	2 ^h 56'	17 ^h 41'	1 ^h 36'	4 ^h 22'	29 ^h 55'	27 ^h 52'	10 ^h 25'	4 ^h 6'	7 ^h 7'	7 ^h 13'	12 ^h 2'	8 ^h 2'
M 30	12 30 0	9 ^h 23'49"	19 ^h 40'	2 ^h 7'	18 ^h 51'	2 ^h 23'	4 ^h 35'	29 ^h 51'	27 ^h 52'	10 ^h 25'	4 ^h 8'	7 ^h 7'	7 ^h 10'	12 ^h 9'	8 ^h 5'
T 31	12 33 56	10 ^h 23'09"	2 ^h 42'	1 ^h 21'	20 ^h 1'	3 ^h 10'	4 ^h 49'	29 ^h 47'	27 ^h 52'	10 ^h 26'	4 ^h 9'	7 ^h 7'	7 ^h 11'	12 ^h 15'	8 ^h 9'

Delta T = 159.88 sec.

APRIL 2071

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Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	12 37 53	11 [♈] 22'27"	16 [♈] 0'	0 [♈] 38'	21 [♏] 11'	3 [♏] 56'	5 [♏] 3'	29 [♏] R42	27 [♏] 52'	10 [♏] 26'	4 [♈] 11'	7 [♏] R 7'	7 [♏] 3'	12 [♏] 22'	8 [♈] Y12'
T 2	12 41 49	12 [♈] 21'43"	29 [♈] 35'	29 [♏] 59'	22 [♈] 21'	4 [♈] 43'	5 [♈] 17'	29 [♏] 38'	27 [♈] R52'	10 [♈] 26'	4 [♈] 12'	7 [♏] 7'	7 [♈] 0'	12 [♈] 29'	8 [♈] 16'
F 3	12 45 46	13 [♈] 20'57"	13 [♏] 24'	29 [♈] 26'	23 [♈] 31'	5 [♈] 29'	5 [♈] 30'	29 [♈] 34'	27 [♈] 52'	10 [♈] 27'	4 [♈] 14'	7 [♈] 6'	6 [♈] 57'	12 [♈] 36'	8 [♈] 19'
S 4	12 49 43	14 [♈] 20'09"	27 [♈] 24'	28 [♈] 57'	24 [♈] 40'	6 [♈] 16'	5 [♈] 44'	29 [♈] 30'	27 [♈] 52'	10 [♈] 27'	4 [♈] 15'	7 [♈] 6'	6 [♈] 54'	12 [♈] 42'	8 [♈] 23'
S 5	12 53 39	15 [♈] 19'19"	11 [♏] 32'	28 [♈] 34'	25 [♈] 50'	7 [♈] 2'	5 [♈] 58'	29 [♈] 25'	27 [♈] 52'	10 [♈] 28'	4 [♈] 17'	7 [♈] 5'	6 [♈] 51'	12 [♈] 49'	8 [♈] 26'
M 6	12 57 36	16 [♈] 18'26"	25 [♈] 44'	28 [♈] 16'	26 [♈] 59'	7 [♈] 49'	6 [♈] 12'	29 [♈] 21'	27 [♈] 52'	10 [♈] 28'	4 [♈] 18'	7 [♈] 4'	6 [♈] 48'	12 [♈] 56'	8 [♈] 30'
T 7	13 1 32	17 [♈] 17'31"	9 [♏] 58'	28 [♈] 4'	28 [♈] 8'	8 [♈] 35'	6 [♈] 26'	29 [♈] 16'	27 [♈] 52'	10 [♈] 29'	4 [♈] 20'	7 [♈] 3'	6 [♈] 44'	13 [♈] 2'	8 [♈] 33'
W 8	13 5 29	18 [♈] 16'34"	24 [♈] 11'	27 [♈] 57'	29 [♈] 17'	9 [♈] 22'	6 [♈] 40'	29 [♈] 12'	27 [♈] 51'	10 [♈] 29'	4 [♈] 21'	7 [♈] D 3'	6 [♈] 41'	13 [♈] 9'	8 [♈] 37'
T 9	13 9 25	19 [♈] 15'34"	8 [♏] 20'	27 [♈] D56'	0 [♏] 12'	10 [♈] 8'	6 [♈] 54'	29 [♈] 7'	27 [♈] 51'	10 [♈] 30'	4 [♈] 22'	7 [♈] 4'	6 [♈] 38'	13 [♈] 16'	8 [♈] 40'
F 10	13 13 22	20 [♈] 14'32"	22 [♈] 24'	28 [♈] 0'	1 [♈] 35'	10 [♈] 55'	7 [♈] 8'	29 [♈] 3'	27 [♈] 51'	10 [♈] 31'	4 [♈] 24'	7 [♈] 5'	6 [♈] 35'	13 [♈] 23'	8 [♈] 44'
S 11	13 17 18	21 [♈] 13'28"	6 [♏] 20'	28 [♈] 10'	2 [♈] 43'	11 [♈] 41'	7 [♈] 22'	28 [♈] 58'	27 [♈] 50'	10 [♈] 31'	4 [♈] 25'	7 [♈] 6'	6 [♈] 32'	13 [♈] 29'	8 [♈] 47'
S 12	13 21 15	22 [♈] 12'21"	20 [♈] 7'	28 [♈] 24'	3 [♈] 52'	12 [♈] 28'	7 [♈] 37'	28 [♈] 54'	27 [♈] 50'	10 [♈] 32'	4 [♈] 27'	7 [♈] 7'	6 [♈] 28'	13 [♈] 36'	8 [♈] 51'
M 13	13 25 12	23 [♈] 11'12"	3 [♏] 43'	28 [♈] 44'	5 [♈] 0'	13 [♈] 14'	7 [♈] 51'	28 [♈] 49'	27 [♈] 49'	10 [♈] 33'	4 [♈] 28'	7 [♈] R 7'	6 [♈] 25'	13 [♈] 43'	8 [♈] 54'
T 14	13 29 8	24 [♈] 10'01"	17 [♈] 5'	29 [♈] 8'	6 [♈] 8'	14 [♈] 1'	8 [♈] 5'	28 [♈] 45'	27 [♈] 48'	10 [♈] 34'	4 [♈] 30'	7 [♈] 7'	6 [♈] 22'	13 [♈] 49'	8 [♈] 58'
W 15	13 33 5	25 [♈] 8'48"	0 [♏] 13'	29 [♈] 36'	7 [♈] 16'	14 [♈] 47'	8 [♈] 19'	28 [♈] 40'	27 [♈] 48'	10 [♈] 34'	4 [♈] 31'	7 [♈] 6'	6 [♈] 19'	13 [♈] 56'	9 [♈] 1'
T 16	13 37 1	26 [♈] 7'34"	13 [♈] 6'	0 [♈] Y 9'	8 [♈] 23'	15 [♈] 34'	8 [♈] 33'	28 [♈] 35'	27 [♈] 47'	10 [♈] 35'	4 [♈] 32'	7 [♈] 4'	6 [♈] 16'	14 [♈] 3'	9 [♈] 4'
F 17	13 40 58	27 [♈] 6'17"	25 [♈] 44'	0 [♈] 46'	9 [♈] 31'	16 [♈] 20'	8 [♈] 47'	28 [♈] 31'	27 [♈] 46'	10 [♈] 36'	4 [♈] 34'	7 [♈] 1'	6 [♈] 13'	14 [♈] 10'	9 [♈] 8'
S 18	13 44 54	28 [♈] 4'58"	8 [♏] 8'	1 [♈] 27'	10 [♈] 38'	17 [♈] 7'	9 [♈] 2'	28 [♈] 26'	27 [♈] 46'	10 [♈] 37'	4 [♈] 35'	6 [♈] 58'	6 [♈] 9'	14 [♈] 16'	9 [♈] 11'
S 19	13 48 51	29 [♈] 3'38"	20 [♈] 19'	2 [♈] 11'	11 [♈] 46'	17 [♈] 53'	9 [♈] 16'	28 [♈] 22'	27 [♈] 45'	10 [♈] 38'	4 [♈] 37'	6 [♈] 55'	6 [♈] 6'	14 [♈] 23'	9 [♈] 14'
M 20	13 52 47	0 [♏] 2'16"	2 [♏] 30'	2 [♈] 59'	12 [♈] 53'	18 [♈] 40'	9 [♈] 30'	28 [♈] 17'	27 [♈] 44'	10 [♈] 39'	4 [♈] 38'	6 [♈] 52'	6 [♈] 3'	14 [♈] 30'	9 [♈] 18'
T 21	13 56 44	1 [♈] 0'53"	14 [♈] 15'	3 [♈] 50'	13 [♈] 59'	19 [♈] 26'	9 [♈] 44'	28 [♈] 12'	27 [♈] 43'	10 [♈] 40'	4 [♈] 39'	6 [♈] 49'	6 [♈] 0'	14 [♈] 37'	9 [♈] 21'
W 22	14 0 41	1 [♈] 59'27"	26 [♈] 8'	4 [♈] 44'	15 [♈] 6'	20 [♈] 12'	9 [♈] 59'	28 [♈] 8'	27 [♈] 42'	10 [♈] 41'	4 [♈] 41'	6 [♈] 48'	5 [♈] 57'	14 [♈] 43'	9 [♈] 25'
T 23	14 4 37	2 [♈] 58'00"	8 [♏] 3'	5 [♈] 42'	16 [♈] 12'	20 [♈] 59'	10 [♈] 13'	28 [♈] 3'	27 [♈] 41'	10 [♈] 42'	4 [♈] 42'	6 [♈] D48'	5 [♈] 53'	14 [♈] 50'	9 [♈] 28'
F 24	14 8 34	3 [♈] 56'32"	20 [♈] 6'	6 [♈] 42'	17 [♈] 19'	21 [♈] 45'	10 [♈] 27'	27 [♈] 59'	27 [♈] 40'	10 [♈] 43'	4 [♈] 43'	6 [♈] 49'	5 [♈] 50'	14 [♈] 57'	9 [♈] 31'
S 25	14 12 30	4 [♈] 55'01"	2 [♏] 20'	7 [♈] 45'	18 [♈] 25'	22 [♈] 32'	10 [♈] 42'	27 [♈] 54'	27 [♈] 39'	10 [♈] 44'	4 [♈] 45'	6 [♈] 51'	5 [♈] 47'	15 [♈] 3'	9 [♈] 34'
S 26	14 16 27	5 [♈] 53'29"	14 [♈] 50'	8 [♈] 51'	19 [♈] 30'	23 [♈] 18'	10 [♈] 56'	27 [♈] 50'	27 [♈] 37'	10 [♈] 45'	4 [♈] 46'	6 [♈] 52'	5 [♈] 44'	15 [♈] 10'	9 [♈] 38'
M 27	14 20 23	6 [♈] 51'56"	27 [♈] 40'	9 [♈] 59'	20 [♈] 36'	24 [♈] 4'	11 [♈] 10'	27 [♈] 45'	27 [♈] 36'	10 [♈] 46'	4 [♈] 47'	6 [♈] 54'	5 [♈] 41'	15 [♈] 17'	9 [♈] 41'
T 28	14 24 20	7 [♈] 50'21"	10 [♈] Y53'	11 [♈] 10'	21 [♈] 42'	24 [♈] 51'	11 [♈] 25'	27 [♈] 41'	27 [♈] 35'	10 [♈] 48'	4 [♈] 49'	6 [♈] R54'	5 [♈] 38'	15 [♈] 24'	9 [♈] 44'
W 29	14 28 16	8 [♈] 48'44"	24 [♈] 28'	12 [♈] 24'	22 [♈] 47'	25 [♈] 37'	11 [♈] 39'	27 [♈] 36'	27 [♈] 34'	10 [♈] 49'	4 [♈] 50'	6 [♈] 53'	5 [♈] 34'	15 [♈] 30'	9 [♈] 47'
T 30	14 32 13	9 [♏] 47'05"	8 [♏] 25'	13 [♈] Y39'	23 [♏] 52'	26 [♏] 23'	11 [♏] 53'	27 [♏] 32'	27 [♏] 32'	10 [♏] 50'	4 [♈] Y51'	6 [♏] 50'	5 [♏] 31'	15 [♏] 37'	9 [♈] Y50'

SWISS EPHEMERIS for the year 2071

MAY 2071

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	14 36 9	10♌45'25	22♌40	14♌57	24♌56	27♌9	12♌8	27♌R27	27♌R31	10♌51	4♌53	6♌R46	5♌28	15♌34	9♌54
S 2	14 40 6	11♌43'42	7♌II 9	16♌17	26♌1	27♌56	12♌22	27♌23	27♌230	10♌53	4♌54	6♌41	5♌25	15♌50	9♌57
S 3	14 44 3	12♌41'58	21♌44	17♌39	27♌5	28♌42	12♌36	27♌18	27♌28	10♌54	4♌55	6♌36	5♌22	15♌57	10♌0
M 4	14 47 59	13♌40'12	6♌20	19♌4	28♌9	29♌28	12♌51	27♌14	27♌27	10♌55	4♌56	6♌31	5♌19	16♌4	10♌3
T 5	14 51 56	14♌38'24	20♌50	20♌30	29♌13	0♌Y14	13♌5	27♌10	27♌25	10♌57	4♌57	6♌27	5♌15	16♌11	10♌6
W 6	14 55 52	15♌36'34	5♌II 9	21♌59	0♌516	1♌0	13♌19	27♌6	27♌23	10♌58	4♌59	6♌25	5♌12	16♌17	10♌9
T 7	14 59 49	16♌34'42	19♌15	23♌29	1♌19	1♌46	13♌34	27♌1	27♌22	11♌0	5♌0	6♌D25	5♌9	16♌24	10♌12
F 8	15 3 45	17♌32'48	3♌II 7	25♌2	2♌22	2♌32	13♌48	26♌57	27♌20	11♌1	5♌1	6♌25	5♌6	16♌31	10♌15
S 9	15 7 42	18♌30'52	16♌45	26♌36	3♌25	3♌18	14♌2	26♌53	27♌18	11♌2	5♌2	6♌27	5♌3	16♌38	10♌18
S 10	15 11 38	19♌28'54	0♌II 9	28♌13	4♌27	4♌4	14♌17	26♌49	27♌17	11♌4	5♌3	6♌R28	4♌59	16♌44	10♌21
M 11	15 15 35	20♌26'54	13♌20	29♌51	5♌29	4♌50	14♌31	26♌45	27♌15	11♌6	5♌4	6♌28	4♌56	16♌51	10♌24
T 12	15 19 32	21♌24'52	26♌19	1♌32	6♌30	5♌36	14♌45	26♌41	27♌13	11♌7	5♌6	6♌26	4♌53	16♌58	10♌26
W 13	15 23 28	22♌22'49	9♌II 7	3♌14	7♌32	6♌22	15♌0	26♌37	27♌11	11♌9	5♌7	6♌22	4♌50	17♌4	10♌29
T 14	15 27 25	23♌20'44	21♌43	4♌59	8♌32	7♌8	15♌14	26♌33	27♌9	11♌10	5♌8	6♌16	4♌47	17♌11	10♌32
F 15	15 31 21	24♌18'38	4♌II 8	6♌45	9♌33	7♌54	15♌28	26♌29	27♌7	11♌12	5♌9	6♌8	4♌44	17♌18	10♌35
S 16	15 35 18	25♌16'30	16♌24	8♌33	10♌33	8♌39	15♌42	26♌26	27♌6	11♌14	5♌10	5♌59	4♌40	17♌25	10♌38
S 17	15 39 14	26♌14'21	28♌30	10♌24	11♌33	9♌25	15♌56	26♌22	27♌4	11♌15	5♌11	5♌50	4♌37	17♌31	10♌40
M 18	15 43 11	27♌12'10	10♌32	12♌16	12♌32	10♌11	16♌11	26♌18	27♌2	11♌17	5♌12	5♌41	4♌34	17♌38	10♌43
T 19	15 47 7	28♌9'59	22♌22	14♌11	13♌31	10♌57	16♌25	26♌15	27♌0	11♌19	5♌13	5♌34	4♌31	17♌45	10♌45
W 20	15 51 4	29♌7'46	4♌II 13	16♌7	14♌30	11♌42	16♌39	26♌11	26♌58	11♌20	5♌14	5♌29	4♌28	17♌51	10♌48
T 21	15 55 1	0♌II 5'31	16♌7	18♌5	15♌28	12♌28	16♌53	26♌8	26♌55	11♌22	5♌15	5♌26	4♌25	17♌58	10♌51
F 22	15 58 57	1♌3'16	28♌8	20♌5	16♌26	13♌13	17♌7	26♌4	26♌53	11♌24	5♌16	5♌D25	4♌21	18♌5	10♌53
S 23	16 2 54	2♌1'00	10♌II 20	22♌7	17♌23	13♌59	17♌21	26♌1	26♌51	11♌26	5♌17	5♌25	4♌18	18♌12	10♌56
S 24	16 6 50	2♌58'42	22♌48	24♌11	18♌20	14♌44	17♌35	25♌58	26♌49	11♌28	5♌18	5♌26	4♌15	18♌18	10♌58
M 25	16 10 47	3♌56'24	5♌Y38	26♌16	19♌16	15♌30	17♌49	25♌55	26♌47	11♌29	5♌18	5♌R26	4♌12	18♌25	11♌1
T 26	16 14 43	4♌54'04	18♌53	28♌23	20♌12	16♌15	18♌3	25♌52	26♌45	11♌31	5♌19	5♌25	4♌9	18♌32	11♌3
W 27	16 18 40	5♌51'43	2♌35	0♌II 32	21♌7	17♌1	18♌17	25♌49	26♌42	11♌33	5♌20	5♌22	4♌5	18♌38	11♌5
T 28	16 22 36	6♌49'22	16♌44	2♌41	22♌2	17♌46	18♌31	25♌46	26♌40	11♌35	5♌21	5♌17	4♌2	18♌45	11♌8
F 29	16 26 33	7♌46'59	1♌II 17	4♌52	22♌56	18♌31	18♌45	25♌43	26♌38	11♌37	5♌22	5♌10	3♌59	18♌52	11♌10
S 30	16 30 30	8♌44'36	16♌8	7♌3	23♌50	19♌17	18♌59	25♌40	26♌36	11♌39	5♌23	5♌1	3♌56	18♌59	11♌12
S 31	16 34 26	9♌II 42'11	1♌II 8	9♌II 15	24♌543	20♌Y 2	19♌II 13	25♌538	26♌II 33	11♌II 41	5♌Y 23	4♌51	3♌53	19♌II 5	11♌Y 14

Delta T = 160.20 sec.

JUNE 2071

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	16 38 23	10♌II 39'45	16♌II 8	11♌II 27	25♌535	20♌Y 47	19♌II 27	25♌R35	26♌R31	11♌II 43	5♌Y 24	4♌R42	3♌50	19♌II 12	11♌Y 16
T 2	16 42 19	11♌37'17	0♌II 58	13♌39	26♌27	21♌32	19♌41	25♌533	26♌II 29	11♌45	5♌25	4♌55	3♌46	19♌19	11♌18
W 3	16 46 16	12♌34'49	15♌33	15♌50	27♌18	22♌17	19♌54	25♌30	26♌26	11♌47	5♌26	4♌30	3♌43	19♌26	11♌20
T 4	16 50 12	13♌32'18	29♌46	18♌2	28♌9	23♌2	20♌8	25♌28	26♌24	11♌49	5♌26	4♌28	3♌40	19♌32	11♌23
F 5	16 54 9	14♌29'47	13♌II 38	20♌12	28♌58	23♌47	20♌22	25♌26	26♌22	11♌51	5♌27	4♌D27	3♌37	19♌39	11♌24
S 6	16 58 5	15♌27'14	27♌9	22♌21	29♌47	24♌32	20♌35	25♌23	26♌19	11♌53	5♌28	4♌R27	3♌34	19♌46	11♌26
S 7	17 2 2	16♌24'40	10♌II 21	24♌29	0♌II 36	25♌17	20♌49	25♌21	26♌17	11♌55	5♌28	4♌27	3♌31	19♌52	11♌28
M 8	17 5 59	17♌22'05	23♌16	26♌36	1♌23	26♌1	21♌2	25♌19	26♌14	11♌57	5♌29	4♌26	3♌27	19♌59	11♌30
T 9	17 9 55	18♌19'29	5♌II 58	28♌41	2♌10	26♌46	21♌16	25♌17	26♌12	11♌59	5♌30	4♌22	3♌24	20♌6	11♌32
W 10	17 13 52	19♌16'52	18♌28	0♌II 44	2♌55	27♌31	21♌29	25♌16	26♌10	12♌1	5♌30	4♌16	3♌21	20♌13	11♌34
T 11	17 17 48	20♌14'14	0♌II 49	2♌45	3♌40	28♌15	21♌43	25♌14	26♌7	12♌3	5♌31	4♌7	3♌18	20♌19	11♌35
F 12	17 21 45	21♌11'35	13♌1	4♌44	4♌24	29♌0	21♌56	25♌12	26♌5	12♌5	5♌31	3♌55	3♌15	20♌26	11♌37
S 13	17 25 41	22♌8'55	25♌7	6♌40	5♌7	29♌44	22♌9	25♌11	26♌2	12♌7	5♌32	3♌42	3♌11	20♌33	11♌39
S 14	17 29 38	23♌6'14	7♌II 6	8♌35	5♌49	0♌II 29	22♌23	25♌9	26♌0	12♌9	5♌32	3♌29	3♌8	20♌39	11♌40
M 15	17 33 34	24♌3'33	19♌1	10♌27	6♌30	1♌13	22♌36	25♌8	25♌57	12♌12	5♌33	3♌16	3♌5	20♌46	11♌42
T 16	17 37 31	25♌0'51	0♌II 53	12♌17	7♌10	1♌57	22♌49	25♌7	25♌55	12♌14	5♌33	3♌5	3♌2	20♌53	11♌43
W 17	17 41 28	25♌58'09	12♌43	14♌4	7♌48	2♌42	23♌2	25♌6	25♌52	12♌16	5♌34	2♌56	2♌59	21♌0	11♌45
T 18	17 45 24	26♌55'26	24♌37	15♌49	8♌26	3♌26	23♌15	25♌5	25♌50	12♌18	5♌34	2♌51	2♌56	21♌6	11♌46
F 19	17 49 21	27♌52'43	6♌II 36	17♌32	9♌2	4♌10	23♌28	25♌4	25♌47	12♌20	5♌34	2♌47	2♌52	21♌13	11♌47
S 20	17 53 17	28♌50'00	18♌47	19♌12	9♌38	4♌54	23♌41	25♌3	25♌45	12♌22	5♌35	2♌46	2♌49	21♌20	11♌49
S 21	17 57 14	29♌47'16	1♌Y 13	20♌49	10♌11	5♌38	23♌54	25♌2	25♌43	12♌25	5♌35	2♌46	2♌46	21♌26	11♌50
M 22	18 1 10	0♌II 44'32	13♌59	22♌25	10♌44	6♌22	24♌7	25♌2	25♌40	12♌27	5♌35	2♌45	2♌43	21♌33	11♌51
T 23	18 5 7	1♌41'48	27♌11	23♌57	11♌15	7♌6	24♌20	25♌1	25♌38	12♌29	5♌36	2♌44	2♌40	21♌40	11♌52
W 24	18 9 3	2♌39'04	10♌II 51	25♌28	11♌45	7♌50	24♌32	25♌1	25♌35	12♌31	5♌36	2♌41	2♌36	21♌47	11♌53
T 25	18 13 0	3♌36'20	25♌0	26♌55	12♌13	8♌34	24♌45	25♌0	25♌33	12♌33	5♌36	2♌35	2♌33	21♌53	11♌54
F 26	18 16 57	4♌33'35	9♌II 38	28♌21	12♌40	9♌17	24♌58	25♌0	25♌30	12♌36	5♌36	2♌27	2♌30	22♌0	11♌55
S 27	18 20 53	5♌30'51	24♌38	29♌43	13♌5	10♌1	25♌10	25♌0	25♌28	12♌38	5♌37	2♌16	2♌27	22♌7	11♌56
S 28	18 24 50	6♌28'06	9♌II 51	1♌II 3	13♌28	10♌44	25♌22	25♌D 0	25♌26	12♌40	5♌37	2♌6	2♌24	22♌13	11♌57
M 29	18 28 46	7♌25'21	25♌6	2♌21	13♌50	11♌28	25♌35	25♌0	25♌23	12♌42	5♌37	1♌55	2♌21	22♌20	11♌58
T 30	18 32 43	8♌II 22'35	10♌II 14	3♌II 35	14♌II 10	12♌II 11	25♌II 47	25♌II 0	25♌II 21	12♌II 44	5♌Y 37	1♌47	2♌17	22♌II 27	11♌Y 59

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SWISS EPHEMERIS for the year 2071

JULY 2071

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	18 36 39	9°50'15"	25°03'	4°07'	14°028	12°55'	25°59'	25°00'	25°R18	12°547	5°Y37	1°R41	2°14	22°334	12°Y 0
T 2	18 40 36	10°17'03"	9°17'29"	5°56'	14°44'	13°38'	26°11'	25° 1'	25°16'	12°49'	5°37'	1°36'	2°11	22°40	12° 0
F 3	18 44 33	11°14'16"	23°29'	7° 3'	14°58'	14°21'	26°23'	25° 1'	25°14'	12°51'	5°37'	1°36'	2° 8	22°47	12° 1
S 4	18 48 29	12°11'29"	7°03'	8° 6'	15°10'	15° 4'	26°35'	25° 2'	25°11'	12°53'	5°37'	1°36'	2° 5	22°54	12° 2
S 5	18 52 26	13° 8'42"	20°12'	9° 6'	15°20'	15°47'	26°47'	25° 2'	25° 9'	12°56'	5°37'	1°36'	2° 2	23° 0	12° 2
M 6	18 56 22	14° 5'54"	3°11'2	10° 3'	15°28'	16°30'	26°59'	25° 3'	25° 7'	12°58'	5°R37	1°35'	1°58	23° 7	12° 3
T 7	19 0 19	15° 3'06"	15°35'	10°57'	15°34'	17°13'	27°11'	25° 4'	25° 5'	13° 0'	5°37'	1°31'	1°55	23°14	12° 3
W 8	19 4 15	16° 0'17"	27°54'	11°47'	15°37'	17°56'	27°23'	25° 5'	25° 2'	13° 2'	5°37'	1°25'	1°52	23°21	12° 3
T 9	19 8 12	16°57'29"	10°14'	12°34'	15°R38	18°38'	27°34'	25° 6'	25° 0'	13° 5'	5°37'	1°17'	1°49	23°27	12° 4
F 10	19 12 8	17°54'41"	22° 7'	13°17'	15°37'	19°21'	27°46'	25° 7'	24°58'	13° 7'	5°37'	1° 6'	1°46	23°34	12° 4
S 11	19 16 5	18°51'52"	4°03'	13°57'	15°33'	20° 4'	27°57'	25° 8'	24°56'	13° 9'	5°37'	0°53'	1°42	23°41	12° 4
S 12	19 20 2	19°49'04"	15°59'	14°32'	15°27'	20°46'	28° 8'	25°10'	24°54'	13°11'	5°37'	0°41'	1°39	23°47	12° 5
M13	19 23 58	20°46'16"	27°51'	15° 4'	15°19'	21°28'	28°20'	25°11'	24°51'	13°13'	5°37'	0°29'	1°36	23°54	12° 5
T 14	19 27 55	21°43'28"	9°03'43"	15°31'	15° 8'	22°11'	28°31'	25°13'	24°49'	13°16'	5°37'	0°18'	1°33	24° 1	12° 5
W15	19 31 51	22°40'40"	21°36'	15°54'	14°55'	22°53'	28°42'	25°14'	24°47'	13°18'	5°36'	0°10'	1°30	24° 8	12°R 5
T 16	19 35 48	23°37'53"	3°11'32"	16°13'	14°40'	23°35'	28°53'	25°16'	24°45'	13°20'	5°36'	0° 4'	1°27	24°14	12° 5
F 17	19 39 44	24°35'06"	15°35'	16°27'	14°22'	24°17'	29° 4'	25°18'	24°43'	13°22'	5°36'	0° 1'	1°23	24°21	12° 5
S 18	19 43 41	25°32'19"	27°48'	16°36'	14° 2'	24°59'	29°14'	25°20'	24°41'	13°24'	5°36'	0°D 0	1°20	24°28	12° 5
S 19	19 47 37	26°29'34"	10°Y15	16°R41	13°39'	25°41'	29°25'	25°22'	24°39'	13°27'	5°35'	0° 0'	1°17	24°34	12° 4
M20	19 51 34	27°26'49"	23° 0'	16°41'	13°15'	26°23'	29°36'	25°24'	24°37'	13°29'	5°35'	0°R 1	1°14	24°41	12° 4
T 21	19 55 31	28°24'04"	6°08'	16°36'	12°49'	27° 4'	29°46'	25°26'	24°35'	13°31'	5°35'	0° 0'	1°11	24°48	12° 4
W22	19 59 27	29°21'21"	19°42'	16°26'	12°20'	27°46'	29°56'	25°28'	24°33'	13°33'	5°34'	29°17'59"	1° 8	24°55	12° 3
T 23	20 3 24	0°01'18"38"	3°11'44"	16°11'	11°50'	28°27'	0°11'7"	25°31'	24°32'	13°35'	5°34'	29°55'	1° 4	25° 1	12° 3
F 24	20 7 20	1°15'57"	18°14'	15°51'	11°19'	29° 9'	0°17'	25°33'	24°30'	13°37'	5°34'	29°49'	1° 1	25° 8	12° 3
S 25	20 11 17	2°13'16"	3°08'	15°27'	10°45'	29°50'	0°27'	25°36'	24°28'	13°40'	5°33'	29°41'	0°58	25°15	12° 2
S 26	20 15 13	3°10'35"	18°18'	14°59'	10°11'	0°11'31"	0°37'	25°38'	24°26'	13°42'	5°33'	29°33'	0°55	25°21	12° 2
M27	20 19 10	4° 7'56"	3°02'35"	14°26'	9°36'	1°12'	0°47'	25°41'	24°25'	13°44'	5°32'	29°25'	0°52	25°28	12° 1
T 28	20 23 6	5° 5'17"	18°47'	13°50'	8°59'	1°54'	0°56'	25°44'	24°23'	13°46'	5°32'	29°18'	0°48	25°35	12° 0
W29	20 27 3	6° 2'39"	3°11'45"	13°11'	8°23'	2°34'	1° 6'	25°47'	24°21'	13°48'	5°31'	29°14'	0°45	25°42	12° 0
T 30	20 31 0	7° 0'01"	18°20'	12°30'	7°45'	3°15'	1°15'	25°50'	24°20'	13°50'	5°31'	29°11'	0°42	25°48	11°59
F 31	20 34 56	7°05'27"32"	2°02'29"	11°04'46"	7°02'8"	3°11'56"	1°11'25"	25°53'	24°18'	13°52'	5°Y30	29°D11	0°03'39"	25°55	11°Y58

Delta T = 160.51 sec.

AUGUST 2071

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	20 38 53	8°05'44"7"	16°01'10"	11°R 2	6°R31	4°11'37"	1°11'34"	25°05'56"	24°R17	13°55'4	5°R30	29°11'12"	0°03'36"	26°03'2	11°R57
S 2	20 42 49	9°52'10"	29°25'	10°01'17"	5°05'14"	5°17'	1°43'	25°59'	24°15'	13°56'	5°Y29	29°13'	0°33	26° 8	11°Y56
M 3	20 46 46	10°49'35"	12°11'16"	9°33'	5°17'	5°57'	1°52'	26° 3'	24°14'	13°58'	5°29'	29°R13	0°29	26°15	11°55
T 4	20 50 42	11°47'00"	24°47'	8°50'	4°42'	6°38'	2° 1'	26° 6'	24°12'	14° 0'	5°28'	29°12'	0°26	26°22	11°54
W 5	20 54 39	12°44'25"	7°07'4	8° 9'	4° 7'	7°18'	2° 9'	26°10'	24°11'	14° 2'	5°27'	29° 9'	0°23	26°28	11°53
T 6	20 58 35	13°41'52"	19° 9'	7°31'	3°34'	7°58'	2°18'	26°13'	24°10'	14° 4'	5°27'	29° 5'	0°20	26°35	11°52
F 7	21 2 32	14°39'19"	1°03'7"	6°56'	3° 2'	8°38'	2°27'	26°17'	24° 8'	14° 6'	5°26'	28°58'	0°17	26°42	11°51
S 8	21 6 29	15°36'47"	13° 0'	6°26'	2°31'	9°18'	2°35'	26°21'	24° 7'	14° 8'	5°25'	28°51'	0°14	26°49	11°50
S 9	21 10 25	16°34'15"	24°52'	6° 1'	2° 3'	9°57'	2°43'	26°25'	24° 6'	14°10'	5°25'	28°43'	0°10	26°55	11°49
M10	21 14 22	17°31'45"	6°03'44"	5°42'	1°36'	10°37'	2°51'	26°29'	24° 5'	14°12'	5°24'	28°35'	0° 7	27° 2	11°47
T 11	21 18 18	18°29'16"	18°39'	5°28'	1°11'	11°16'	2°59'	26°33'	24° 4'	14°14'	5°23'	28°29'	0° 4	27° 9	11°46
W12	21 22 15	19°26'48"	0°11'38"	5°21'	0°48'	11°56'	3° 7'	26°37'	24° 3'	14°16'	5°23'	28°24'	0° 1	27°15	11°45
T 13	21 26 11	20°24'20"	12°42'	5°D21	0°28'	12°35'	3°14'	26°41'	24° 2'	14°18'	5°22'	28°21'	29°17'58"	27°22	11°43
F 14	21 30 8	21°21'55"	24°54'	5°27'	0°10'	13°14'	3°22'	26°45'	24° 1'	14°20'	5°21'	28°D19	29°54	27°29	11°42
S 15	21 34 4	22°19'30"	7°Y16	5°41'	29°05'4	13°53'	3°29'	26°50'	24° 0'	14°22'	5°20'	28°20'	29°51	27°36	11°40
S 16	21 38 1	23°17'07"	19°51'	6° 2'	29°41'	14°32'	3°36'	26°54'	23°59'	14°24'	5°19'	28°21'	29°48	27°42	11°39
M17	21 41 57	24°14'45"	2°03'42"	6°30'	29°30'	15°11'	3°44'	26°58'	23°58'	14°25'	5°19'	28°23'	29°45	27°49	11°37
T 18	21 45 54	25°12'25"	15°51'	7° 5'	29°21'	15°50'	3°50'	27° 3'	23°57'	14°27'	5°18'	28°24'	29°42	27°56	11°36
W19	21 49 51	26°10'07"	29°22'	7°47'	29°15'	16°28'	3°57'	27° 8'	23°57'	14°29'	5°17'	28°R24	29°39	28° 2	11°34
T 20	21 53 47	27° 7'50"	13°11'16"	8°37'	29°11'	17° 7'	4° 4'	27°12'	23°56'	14°31'	5°16'	28°23'	29°35	28° 9	11°32
F 21	21 57 44	28° 5'35"	27°33'	9°33'	29°D10	17°45'	4°10'	27°17'	23°55'	14°32'	5°15'	28°21'	29°32	28°16	11°30
S 22	22 1 40	29° 3'21"	12°01'11"	10°36'	29°11'	18°23'	4°17'	27°22'	23°55'	14°34'	5°14'	28°17'	29°29	28°22	11°29
S 23	22 5 37	0°11'09"	27° 4'	11°45'	29°14'	19° 1'	4°23'	27°27'	23°54'	14°36'	5°13'	28°14'	29°26	28°29	11°27
M24	22 9 33	0°58'59"	12°02'6"	13° 0'	29°20'	19°39'	4°29'	27°32'	23°54'	14°38'	5°12'	28°10'	29°23	28°36	11°25
T 25	22 13 30	1°56'50"	27° 8'	14°21'	29°28'	20°17'	4°34'	27°37'	23°53'	14°39'	5°11'	28° 7'	29°20	28°43	11°23
W26	22 17 26	2°54'43"	12°11'0	15°47'	29°37'	20°54'	4°40'	27°42'	23°53'	14°41'	5°10'	28° 5'	29°16	28°49	11°21
T 27	22 21 23	3°52'37"	26°35'	17°18'	29°49'	21°32'	4°46'	27°47'	23°52'	14°42'	5° 9'	28°D 4	29°13	28°56	11°19
F 28	22 25 20	4°50'32"	10°01'37"	18°54'	0°02'3	22° 9'	4°51'	27°52'	23°52'	14°44'	5° 8'	28° 4'	29°10	29° 3	11°17
S 29	22 29 16	5°48'29"	24°34'	20°33'	0°19'	22°46'	4°56'	27°58'	23°52'	14°46'	5° 7'	28° 6'	29° 7	29° 9	11°15
S 30	22 33 13	6°46'27"	7°11'54"	22°16'	0°37'	23°23'	5° 1'	28° 3'	23°52'	14°47'	5° 6'	28° 7'	29° 4	29°16	11°13
M31	22 37 9	7°11'44"26"	20°11'50"	24°02'3	0°02'57"	24°11'0	5°11'6"	28°08'	23°52'	14°49'	5°Y 5	28°11'8"	29°11'0	29°23	11°Y11

Delta T = 160.67 sec.

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SWISS EPHEMERIS for the year 2071

SEPTEMBER 2071

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	22 41 6	8 ^h 42'27"	3 ^h 25'	25 ^h 52'	1 ^h 19'	24 ^h 36'	5 ^h 10'	28 ^h 14'	23 ^h 52'	14 ^h 50'	5 ^h R 4	28 ^h R 9	28 ^h 57'	29 ^h 30'	11 ^h R 9
W 2	22 45 2	9 ^h 40'29"	15 ^h 42'	27 ^h 43'	1 ^h 42'	25 ^h 13'	5 ^h 15'	28 ^h 19'	23 ^h D51	14 ^h 52'	5 ^h Y 3	28 ^h Y 9	28 ^h 54'	29 ^h 36'	11 ^h Y 6
T 3	22 48 59	10 ^h 38'33"	27 ^h 47'	29 ^h 36'	2 ^h 7'	25 ^h 49'	5 ^h 19'	28 ^h 25'	23 ^h 51'	14 ^h 53'	5 ^h 2	28 ^h 8	28 ^h 51'	29 ^h 43'	11 ^h 4
F 4	22 52 55	11 ^h 36'38"	9 ^h 34'	1 ^h 30'	2 ^h 33'	26 ^h 26'	5 ^h 23'	28 ^h 31'	23 ^h 52'	14 ^h 54'	5 ^h 1	28 ^h 7	28 ^h 48'	29 ^h 50'	11 ^h 2
S 5	22 56 52	12 ^h 34'44"	21 ^h 36'	3 ^h 25'	3 ^h 2'	27 ^h 2'	5 ^h 27'	28 ^h 36'	23 ^h 52'	14 ^h 56'	5 ^h 0	28 ^h 5	28 ^h 45'	29 ^h 56'	11 ^h 0
S 6	23 0 49	13 ^h 32'52"	3 ^h 28'	5 ^h 21'	3 ^h 31'	27 ^h 38'	5 ^h 31'	28 ^h 42'	23 ^h 52'	14 ^h 57'	4 ^h 59'	28 ^h 2	28 ^h 41'	0 ^h 33'	10 ^h 57'
M 7	23 4 45	14 ^h 31'01"	15 ^h 22'	7 ^h 17'	4 ^h 3'	28 ^h 13'	5 ^h 34'	28 ^h 48'	23 ^h 52'	14 ^h 58'	4 ^h 58'	28 ^h 0	28 ^h 38'	0 ^h 10'	10 ^h 55'
T 8	23 8 42	15 ^h 29'12"	27 ^h 22'	9 ^h 13'	4 ^h 35'	28 ^h 49'	5 ^h 38'	28 ^h 54'	23 ^h 52'	15 ^h 0	4 ^h 57'	27 ^h 59'	28 ^h 35'	0 ^h 16'	10 ^h 53'
W 9	23 12 38	16 ^h 27'25"	9 ^h 29'	11 ^h 10'	5 ^h 9'	29 ^h 24'	5 ^h 41'	29 ^h 0	23 ^h 53'	15 ^h 1	4 ^h 56'	27 ^h 57'	28 ^h 32'	0 ^h 23'	10 ^h 50'
T 10	23 16 35	17 ^h 25'39"	21 ^h 46'	13 ^h 5'	5 ^h 44'	29 ^h 59'	5 ^h 44'	29 ^h 6	23 ^h 53'	15 ^h 2	4 ^h 55'	27 ^h 57'	28 ^h 29'	0 ^h 30'	10 ^h 48'
F 11	23 20 31	18 ^h 23'55"	4 ^h Y 13	15 ^h 1'	6 ^h 21'	0 ^h 34'	5 ^h 46'	29 ^h 12'	23 ^h 53'	15 ^h 3	4 ^h 53'	27 ^h D57	28 ^h 25'	0 ^h 37'	10 ^h 45'
S 12	23 24 28	19 ^h 22'13"	16 ^h 52'	16 ^h 55'	6 ^h 59'	1 ^h 9'	5 ^h 49'	29 ^h 18'	23 ^h 54'	15 ^h 5	4 ^h 52'	27 ^h 57'	28 ^h 22'	0 ^h 43'	10 ^h 43'
S 13	23 28 24	20 ^h 20'33"	29 ^h 44'	18 ^h 49'	7 ^h 38'	1 ^h 44'	5 ^h 52'	29 ^h 24'	23 ^h 54'	15 ^h 6	4 ^h 51'	27 ^h 58'	28 ^h 19'	0 ^h 50'	10 ^h 40'
M14	23 32 21	21 ^h 18'55"	12 ^h 49'	20 ^h 42'	8 ^h 18'	2 ^h 18'	5 ^h 54'	29 ^h 30'	23 ^h 55'	15 ^h 7	4 ^h 50'	27 ^h 59'	28 ^h 16'	0 ^h 57'	10 ^h 38'
T 15	23 36 17	22 ^h 17'19"	26 ^h 10'	22 ^h 35'	8 ^h 59'	2 ^h 53'	5 ^h 56'	29 ^h 36'	23 ^h 56'	15 ^h 8	4 ^h 49'	27 ^h 59'	28 ^h 13'	1 ^h 3'	10 ^h 35'
W16	23 40 14	23 ^h 15'45"	9 ^h 46'	24 ^h 26'	9 ^h 41'	3 ^h 27'	5 ^h 58'	29 ^h 43'	23 ^h 56'	15 ^h 9	4 ^h 48'	27 ^h 59'	28 ^h 10'	1 ^h 10'	10 ^h 33'
T 17	23 44 11	24 ^h 14'14"	23 ^h 38'	26 ^h 16'	10 ^h 25'	4 ^h 1'	5 ^h 59'	29 ^h 49'	23 ^h 57'	15 ^h 10'	4 ^h 46'	28 ^h R 0	28 ^h 6	1 ^h 17'	10 ^h 30'
F 18	23 48 7	25 ^h 12'44"	7 ^h 45'	28 ^h 5'	11 ^h 9'	4 ^h 35'	6 ^h 1'	29 ^h 55'	23 ^h 58'	15 ^h 11'	4 ^h 45'	28 ^h 0	28 ^h 3	1 ^h 23'	10 ^h 28'
S 19	23 52 4	26 ^h 11'17"	22 ^h 6'	29 ^h 54'	11 ^h 54'	5 ^h 8'	6 ^h 2'	0 ^h 11'	23 ^h 59'	15 ^h 12'	4 ^h 44'	27 ^h 59'	28 ^h 0	1 ^h 30'	10 ^h 25'
S 20	23 56 0	27 ^h 9'52"	6 ^h 37'	1 ^h 41'	12 ^h 41'	5 ^h 42'	6 ^h 3'	0 ^h 8'	24 ^h 0	15 ^h 13'	4 ^h 43'	27 ^h 59'	27 ^h 57'	1 ^h 37'	10 ^h 23'
M21	23 59 57	28 ^h 8'29"	21 ^h 14'	3 ^h 27'	13 ^h 28'	6 ^h 15'	6 ^h 4'	0 ^h 15'	24 ^h 1	15 ^h 14'	4 ^h 42'	27 ^h D59	27 ^h 54'	1 ^h 44'	10 ^h 20'
T 22	0 3 53	29 ^h 7'08"	5 ^h 52'	5 ^h 13'	14 ^h 16'	6 ^h 48'	6 ^h 4'	0 ^h 21'	24 ^h 2	15 ^h 15'	4 ^h 41'	27 ^h 59'	27 ^h 51'	1 ^h 50'	10 ^h 17'
W23	0 7 50	0 ^h 5'50"	20 ^h 25'	6 ^h 57'	15 ^h 4'	7 ^h 20'	6 ^h 5'	0 ^h 28'	24 ^h 3	15 ^h 16'	4 ^h 39'	27 ^h R59	27 ^h 47'	1 ^h 57'	10 ^h 15'
T 24	0 11 46	1 ^h 4'33"	4 ^h 46'	8 ^h 40'	15 ^h 54'	7 ^h 53'	6 ^h 5'	0 ^h 34'	24 ^h 4	15 ^h 17'	4 ^h 38'	27 ^h 59'	27 ^h 44'	2 ^h 4'	10 ^h 12'
F 25	0 15 43	2 ^h 3'18"	18 ^h 50'	10 ^h 22'	16 ^h 44'	8 ^h 25'	6 ^h R 5	0 ^h 41'	24 ^h 5	15 ^h 17'	4 ^h 37'	27 ^h 59'	27 ^h 41'	2 ^h 10'	10 ^h 9'
S 26	0 19 39	3 ^h 2'05"	2 ^h 33'	12 ^h 4'	17 ^h 35'	8 ^h 57'	6 ^h 5'	0 ^h 48'	24 ^h 6	15 ^h 18'	4 ^h 36'	27 ^h 59'	27 ^h 38'	2 ^h 17'	10 ^h 7'
S 27	0 23 36	4 ^h 0'54"	15 ^h 54'	13 ^h 44'	18 ^h 27'	9 ^h 29'	6 ^h 5'	0 ^h 54'	24 ^h 7	15 ^h 19'	4 ^h 35'	27 ^h 58'	27 ^h 35'	2 ^h 24'	10 ^h 4'
M28	0 27 33	4 ^h 59'45"	28 ^h 53'	15 ^h 23'	19 ^h 19'	10 ^h 0'	6 ^h 4'	1 ^h 1	24 ^h 9	15 ^h 20'	4 ^h 33'	27 ^h 57'	27 ^h 31'	2 ^h 30'	10 ^h 1'
T 29	0 31 29	5 ^h 58'38"	11 ^h 31'	17 ^h 2'	20 ^h 12'	10 ^h 32'	6 ^h 3'	1 ^h 8'	24 ^h 10'	15 ^h 20'	4 ^h 32'	27 ^h 56'	27 ^h 28'	2 ^h 37'	9 ^h 58'
W30	0 35 26	6 ^h 57'32"	23 ^h 51'	18 ^h 39'	21 ^h 6'	11 ^h 33'	6 ^h II 2	1 ^h 15'	24 ^h 11'	15 ^h 21'	4 ^h Y 31	27 ^h 56'	27 ^h 25'	2 ^h 44'	9 ^h Y 56

Delta T = 160.83 sec.

OCTOBER 2071

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	0 39 22	7 ^h 56'28"	5 ^h 35'	20 ^h 16'	22 ^h 0'	11 ^h 34'	6 ^h R 1	1 ^h 11'	24 ^h 13'	15 ^h 22'	4 ^h R30	27 ^h D55	27 ^h 22'	2 ^h 51'	9 ^h R53
F 2	0 43 19	8 ^h 55'26"	17 ^h 54'	21 ^h 52'	22 ^h 55'	12 ^h 4'	6 ^h II 0	1 ^h 28'	24 ^h 14'	15 ^h 22'	4 ^h Y 29	27 ^h 56'	27 ^h 19'	2 ^h 57'	9 ^h Y 50
S 3	0 47 15	9 ^h 54'25"	29 ^h 46'	23 ^h 27'	23 ^h 50'	12 ^h 34'	5 ^h 58'	1 ^h 35'	24 ^h 16'	15 ^h 23'	4 ^h 28'	27 ^h 56'	27 ^h 16'	3 ^h 4'	9 ^h 48'
S 4	0 51 12	10 ^h 53'27"	11 ^h 38'	25 ^h 1'	24 ^h 46'	13 ^h 4'	5 ^h 56'	1 ^h 42'	24 ^h 17'	15 ^h 23'	4 ^h 26'	27 ^h 57'	27 ^h 12'	3 ^h 11'	9 ^h 45'
M 5	0 55 8	11 ^h 52'30"	23 ^h 34'	26 ^h 34'	25 ^h 43'	13 ^h 34'	5 ^h 54'	1 ^h 49'	24 ^h 19'	15 ^h 24'	4 ^h 25'	27 ^h 59'	27 ^h 9'	3 ^h 17'	9 ^h 42'
T 6	0 59 5	12 ^h 51'35"	5 ^h 39'	28 ^h 7'	26 ^h 40'	14 ^h 4'	5 ^h 52'	1 ^h 56'	24 ^h 21'	15 ^h 24'	4 ^h 24'	28 ^h 0	27 ^h 6	3 ^h 24'	9 ^h 40'
W 7	1 3 1	13 ^h 50'42"	17 ^h 54'	29 ^h 38'	27 ^h 38'	14 ^h 33'	5 ^h 50'	2 ^h 3'	24 ^h 22'	15 ^h 25'	4 ^h 23'	28 ^h 1	27 ^h 3	3 ^h 31'	9 ^h 37'
T 8	1 6 58	14 ^h 49'50"	0 ^h Y 24	1 ^h 11'	28 ^h 36'	15 ^h 2'	5 ^h 47'	2 ^h 10'	24 ^h 24'	15 ^h 25'	4 ^h 22'	28 ^h R 1	27 ^h 0	3 ^h 37'	9 ^h 34'
F 9	1 10 55	15 ^h 49'01"	13 ^h 9'	2 ^h 39'	29 ^h 34'	15 ^h 31'	5 ^h 44'	2 ^h 17'	24 ^h 26'	15 ^h 25'	4 ^h 20'	28 ^h 0	26 ^h 56'	3 ^h 44'	9 ^h 31'
S 10	1 14 51	16 ^h 48'14"	26 ^h 9'	4 ^h 8'	0 ^h 33'	15 ^h 59'	5 ^h 41'	2 ^h 24'	24 ^h 28'	15 ^h 26'	4 ^h 19'	27 ^h 59'	26 ^h 53'	3 ^h 51'	9 ^h 29'
S 11	1 18 48	17 ^h 47'29"	9 ^h 35'	5 ^h 37'	1 ^h 33'	16 ^h 27'	5 ^h 38'	2 ^h 31'	24 ^h 30'	15 ^h 26'	4 ^h 18'	27 ^h 56'	26 ^h 50'	3 ^h 57'	9 ^h 26'
M12	1 22 44	18 ^h 46'46"	22 ^h 55'	7 ^h 5'	2 ^h 33'	16 ^h 55'	5 ^h 35'	2 ^h 39'	24 ^h 32'	15 ^h 26'	4 ^h 17'	27 ^h 54'	26 ^h 47'	4 ^h 4'	9 ^h 23'
T 13	1 26 41	19 ^h 46'05"	6 ^h 37'	8 ^h 31'	3 ^h 33'	17 ^h 22'	5 ^h 31'	2 ^h 46'	24 ^h 34'	15 ^h 26'	4 ^h 16'	27 ^h 50'	26 ^h 44'	4 ^h 11'	9 ^h 21'
W14	1 30 37	20 ^h 45'27"	20 ^h 30'	9 ^h 57'	4 ^h 34'	17 ^h 50'	5 ^h 28'	2 ^h 53'	24 ^h 36'	15 ^h 26'	4 ^h 15'	27 ^h 48'	26 ^h 41'	4 ^h 18'	9 ^h 18'
T 15	1 34 34	21 ^h 44'51"	4 ^h 31'	11 ^h 22'	5 ^h 35'	18 ^h 16'	5 ^h 24'	3 ^h 0	24 ^h 38'	15 ^h 27'	4 ^h 14'	27 ^h 46'	26 ^h 37'	4 ^h 24'	9 ^h 15'
F 16	1 38 30	22 ^h 44'17"	18 ^h 38'	12 ^h 47'	6 ^h 37'	18 ^h 43'	5 ^h 20'	3 ^h 7	24 ^h 40'	15 ^h 27'	4 ^h 13'	27 ^h D45	26 ^h 34'	4 ^h 31'	9 ^h 13'
S 17	1 42 27	23 ^h 43'45"	2 ^h 48'	14 ^h 10'	7 ^h 39'	19 ^h 9'	5 ^h 15'	3 ^h 14'	24 ^h 42'	15 ^h 27'	4 ^h 11'	27 ^h 45'	26 ^h 31'	4 ^h 38'	9 ^h 10'
S 18	1 46 24	24 ^h 43'16"	17 ^h 1'	15 ^h 32'	8 ^h 41'	19 ^h 35'	5 ^h 11'	3 ^h 21'	24 ^h 44'	15 ^h 27'	4 ^h 10'	27 ^h 46'	26 ^h 28'	4 ^h 44'	9 ^{h</}

SWISS EPHEMERIS for the year 2071

NOVEMBER 2071

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	2 41 35	8♉40'05	19♊28	2♈20	23♏46	24♏56	3♈51	5♉3	25♈19	15♈24	3♈56	27♏12	25♏43	6♊18	8♈34
M 2	2 45 32	9♈40'04	1♈24	3♈16	24♏53	25♏16	3♈44	5♈10	25♏22	15♏23	3♈55	27♏13	25♏40	6♏25	8♈31
T 3	2 49 28	10♈40'06	13♏30	4♈8	26♏0	25♏35	3♈37	5♈17	25♏25	15♏23	3♈54	27♏15	25♏37	6♏31	8♏29
W 4	2 53 25	11♈40'08	25♏50	4♏56	27♏7	25♏54	3♈30	5♈24	25♏28	15♏22	3♈53	27♏16	25♏34	6♏38	8♏27
T 5	2 57 21	12♈40'13	8♈28	5♈39	28♏15	26♏12	3♈23	5♈32	25♏31	15♏22	3♈52	27♏15	25♏31	6♏45	8♏25
F 6	3 1 18	13♈40'19	21♏27	6♈18	29♏22	26♏30	3♈16	5♈39	25♏33	15♏21	3♈51	27♏12	25♏28	6♏51	8♏23
S 7	3 5 15	14♈40'27	4♈47	6♏51	0♏30	26♏47	3♈9	5♈46	25♏36	15♏20	3♈50	27♏8	25♏24	6♏58	8♏21
S 8	3 9 11	15♈40'37	18♏28	7♈17	1♈38	27♏4	3♈1	5♈53	25♏39	15♏20	3♈50	27♏1	25♏21	7♏5	8♏19
M 9	3 13 8	16♈40'48	2♈26	7♈37	2♈46	27♏20	2♈54	6♈0	25♏42	15♏19	3♈49	26♏53	25♏18	7♏12	8♏17
T 10	3 17 4	17♈41'02	16♈37	7♈50	3♈55	27♏36	2♈46	6♈8	25♏45	15♏18	3♈48	26♏44	25♏15	7♏18	8♏15
W 11	3 21 1	18♈41'17	0♈56	7♈54	5♈3	27♏51	2♈38	6♈15	25♏48	15♏18	3♈47	26♏36	25♏12	7♏25	8♏13
T 12	3 24 57	19♈41'34	15♈18	7♈50	6♈12	28♏5	2♈31	6♈22	25♏52	15♏17	3♈46	26♏30	25♏8	7♏32	8♏11
F 13	3 28 54	20♈41'54	29♈37	7♈36	7♈21	28♏19	2♈23	6♈29	25♏55	15♏16	3♈46	26♏26	25♏5	7♈38	8♏9
S 14	3 32 50	21♈42'15	13♏50	7♈12	8♈30	28♏33	2♈15	6♈36	25♏58	15♏15	3♈45	26♏24	25♏2	7♈45	8♏7
S 15	3 36 47	22♈42'38	27♏56	6♈38	9♈39	28♏45	2♈7	6♈43	26♏1	15♏14	3♈44	26♏D23	24♏59	7♏52	8♏5
M 16	3 40 44	23♈43'03	11♏53	5♈54	10♈49	28♏57	1♈59	6♈50	26♏4	15♏13	3♈44	26♏24	24♏56	7♏58	8♏4
T 17	3 44 40	24♈43'30	25♏42	5♈0	11♈59	29♈9	1♈51	6♈57	26♏7	15♏13	3♈43	26♏R25	24♏53	8♏5	8♏2
W 18	3 48 37	25♈43'59	9♏21	3♈57	13♈8	29♏20	1♈43	7♈4	26♏11	15♏12	3♈42	26♏24	24♏49	8♏12	8♏0
T 19	3 52 33	26♈44'29	22♏51	2♈46	14♈18	29♏30	1♈34	7♈11	26♏14	15♏11	3♈42	26♏21	24♏46	8♏18	7♏59
F 20	3 56 30	27♈45'02	6♉10	1♈30	15♈28	29♏39	1♈26	7♈18	26♏17	15♏10	3♈41	26♏15	24♏43	8♏25	7♏57
S 21	4 0 26	28♈45'36	19♈19	0♈9	16♈39	29♏48	1♈18	7♈25	26♏20	15♈9	3♈40	26♏7	24♏40	8♏32	7♏56
S 22	4 4 23	29♈46'12	2♈15	28♉48	17♈49	29♏56	1♈10	7♈32	26♏24	15♈7	3♈40	25♏56	24♏37	8♏38	7♏54
M 23	4 8 19	0♈46'49	14♏57	27♏28	19♈0	0♈3	1♈2	7♈39	26♏27	15♈6	3♈39	25♏44	24♏33	8♏45	7♏53
T 24	4 12 16	1♈47'27	27♏26	26♏12	20♈10	0♈10	0♈54	7♈46	26♏31	15♈5	3♈39	25♏31	24♏30	8♏52	7♏52
W 25	4 16 13	2♈48'07	9♈41	25♈3	21♈21	0♈16	0♈45	7♈53	26♏34	15♈4	3♈38	25♏20	24♏27	8♏59	7♏50
T 26	4 20 9	3♈48'48	21♈45	24♈3	22♈32	0♈21	0♈37	7♈59	26♏37	15♈3	3♈38	25♏10	24♏24	9♈5	7♈49
F 27	4 24 6	4♈49'30	3♈40	23♈12	23♈43	0♈25	0♈29	8♈6	26♏41	15♈2	3♈37	25♈3	24♏21	9♈12	7♈48
S 28	4 28 2	5♈50'14	15♈29	22♈33	24♈54	0♈29	0♈21	8♈13	26♏44	15♈1	3♈37	24♏58	24♏18	9♈19	7♈47
S 29	4 31 59	6♈50'58	27♈18	22♈6	26♈5	0♈32	0♈13	8♈20	26♏48	14♈59	3♈36	24♏56	24♏14	9♈25	7♈46
M 30	4 35 55	7♈51'43	9♈11	21♉50	27♏17	0♈34	0♈11	8♉26	26♏51	14♏58	3♈36	24♏D56	24♏11	9♈32	7♈45

Delta T = 161.15 sec.

DECEMBER 2071

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	4 39 52	8♈52'30	21♈14	21♈D45	28♏28	0♈35	29♈R57	8♉33	26♈55	14♈R57	3♈R35	24♈R56	24♏8	9♈39	7♈R44
W 2	4 43 48	9♈53'17	3♈33	21♉51	29♈40	0♈R35	29♈49	8♈39	26♈58	14♏55	3♈35	24♏56	24♈5	9♈45	7♈43
T 3	4 47 45	10♈54'05	16♈12	22♈6	0♉51	0♈35	29♈41	8♈46	27♈2	14♈54	3♈35	24♈54	24♈2	9♈52	7♈42
F 4	4 51 42	11♈54'54	29♈16	22♈31	2♈3	0♈34	29♈33	8♈52	27♈5	14♈53	3♈34	24♈50	23♈59	9♈59	7♈41
S 5	4 55 38	12♈55'44	12♈46	23♈4	3♈15	0♈32	29♈25	8♈59	27♈9	14♈51	3♈34	24♈43	23♈55	10♈5	7♈40
S 6	4 59 35	13♈56'35	26♈42	23♈45	4♈27	0♈29	29♈18	9♈5	27♈12	14♈50	3♈34	24♈33	23♈52	10♈12	7♈39
M 7	5 3 31	14♈57'28	11♈2	24♈31	5♈39	0♈25	29♈10	9♈12	27♈16	14♈49	3♈33	24♈22	23♈49	10♈19	7♈39
T 8	5 7 28	15♈58'21	25♈40	25♈24	6♈51	0♈21	29♈3	9♈18	27♈20	14♈47	3♈33	24♈10	23♈46	10♈25	7♈38
W 9	5 11 24	16♈59'15	10♈28	26♈22	8♈4	0♈16	28♈55	9♈24	27♈23	14♈46	3♈33	23♈58	23♈43	10♈32	7♈38
T 10	5 15 21	18♈0'10	25♈17	27♈23	9♈16	0♈9	28♈48	9♈30	27♈27	14♈44	3♈33	23♈49	23♈39	10♈39	7♈37
F 11	5 19 18	19♈1'07	9♈59	28♈29	10♈28	0♈2	28♈41	9♈37	27♈30	14♈43	3♈33	23♈42	23♈36	10♈45	7♈37
S 12	5 23 14	20♈2'04	24♈28	29♈38	11♈41	29♈54	28♈34	9♈43	27♈34	14♈41	3♈32	23♈38	23♈33	10♈52	7♈36
S 13	5 27 11	21♈3'03	8♉42	0♈50	12♈53	29♈46	28♈27	9♈49	27♈38	14♈40	3♈32	23♈36	23♈30	10♈59	7♈36
M 14	5 31 7	22♈4'03	22♈38	2♈5	14♈6	29♈36	28♈20	9♈55	27♈41	14♈38	3♈32	23♈36	23♈27	11♈5	7♈36
T 15	5 35 4	23♈5'04	6♈17	3♈22	15♈19	29♈26	28♈13	10♈1	27♈45	14♈37	3♈32	23♈36	23♈24	11♈12	7♈35
W 16	5 39 0	24♈6'05	19♈41	4♈40	16♈32	29♈14	28♈6	10♈7	27♈48	14♈35	3♈32	23♈34	23♈20	11♈19	7♈35
T 17	5 42 57	25♈7'08	2♉51	6♈1	17♈45	29♈2	28♈0	10♈13	27♈52	14♈34	3♈32	23♈30	23♈17	11♈26	7♈35
F 18	5 46 53	26♈8'12	15♈49	7♈22	18♈58	28♈49	27♈53	10♈18	27♈56	14♈32	3♈D32	23♈23	23♈14	11♈32	7♈35
S 19	5 50 50	27♈9'17	28♈36	8♈45	20♈11	28♈36	27♈47	10♈24	27♈59	14♈30	3♈32	23♈13	23♈11	11♈39	7♈D35
S 20	5 54 47	28♈10'23	11♈13	10♈9	21♈24	28♈21	27♈41	10♈30	28♈3	14♈29	3♈32	23♈0	23♈8	11♈46	7♈35
M 21	5 58 43	29♈11'29	23♈39	11♈34	22♈37	28♈6	27♈35	10♈35	28♈7	14♈27	3♈32	22♈46	23♈5	11♈52	7♈35
T 22	6 2 40	0♈12'36	5♈55	13♈0	23♈50	27♈50	27♈29	10♈41	28♈10	14♈26	3♈32	22♈31	23♈1	11♈59	7♈35
W 23	6 6 36	1♈13'43	18♈2	14♈26	25♈3	27♈33	27♈24	10♈46	28♈14	14♈24	3♈32	22♈17	22♈58	12♈6	7♈35
T 24	6 10 33	2♈14'51	0♈1	15♈54	26♈17	27♈16	27♈18	10♈52	28♈18	14♈22	3♈33	22♈5	22♈55	12♈12	7♈36
F 25	6 14 29	3♈15'59	11♈52	17♈22	27♈30	26♈57	27♈13	10♈57	28♈21	14♈21	3♈33	21♈56	22♈52	12♈19	7♈36
S 26	6 18 26	4♈17'07	23♈40	18♈50	28♈43	26♈39	27♈8	11♈2	28♈25	14♈19	3♈33	21♈50	22♈49	12♈26	7♈36
S 27	6 22 22	5♈18'15	5♈27	20♈19	29♈57	26♈19	27♈3	11♈8	28♈28	14♈17	3♈33	21♈47	22♈45	12♈32	7♈37
M 28	6 26 19	6♈19'24	17♈18	21♈48	1♈10	25♈59	26♈58	11♈13	28♈32	14♈16	3♈33	21♈D46	22♈42	12♈39	7♈37
T 29	6 30 16	7♈20'32	29♈18	23♈18	2♈24	25♈38	26♈54	11♈18	28♈36	14♈14	3♈34	21♈46	22♈39	12♈46	7♈38
W 30	6 34 12	8♈21'41	11♈32	24♈48	3♈37	25♈17	26♈49	11♈23	28♈39	14♈12	3♈34	21♈R46	22♈36	12♈52	7♈38
T 31	6 38 9	9♈22'49	24♈7	26♈18	4♈51	24♏56	26♈45	11♉28	28♈43	14♏10	3♈34	21♈45	22♈33	12♈59	7♈39

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