

SWISS EPHEMERIS for the year 2270

JANUARY 2270

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	6 42 18	10 ²⁰ 20'35	22 ^Υ 19	4 [♁] 49	23 [♂] 34	11 [♁] 55	2 [♁] 32	28 [°] R 3	28 [°] R 6	1 [♁] 1	29 [♁] 21	1 [°] R59	3 [♁] 0	29 [♁] 30	13 ^Υ 28								
S 2	6 46 15	11 [°] 21'42	4 [♁] 41	6 [°] 23	24 [°] 33	12 [°] 32	2 [°] 45	27 [♁] 59	28 [°] Υ 6	1 [°] R 1	29 [°] 23	1 [♁] 57	2 [°] 57	29 [°] 37	13 [°] 29								
M 3	6 50 11	12 [°] 22'50	16 [°] 50	7 [°] 58	25 [°] 33	13 [°] 8	2 [°] 59	27 [°] 54	28 [°] 6	1 [°] 1	29 [°] 25	1 [°] 55	2 [°] 54	29 [°] 44	13 [°] 29								
T 4	6 54 8	13 [°] 23'58	28 [°] 49	9 [°] 33	26 [°] 33	13 [°] 45	3 [°] 13	27 [°] 49	28 [°] 6	1 [°] 0	29 [°] 27	1 [°] 52	2 [°] 51	29 [°] 50	13 [°] 30								
W 5	6 58 4	14 [°] 25'06	10 [♁] 43	11 [°] 8	27 [°] 34	14 [°] 21	3 [°] 27	27 [°] 44	28 [°] 6	1 [°] 0	29 [°] 29	1 [°] 49	2 [°] 47	29 [°] 57	13 [°] 31								
T 6	7 2 1	15 [°] 26'13	22 [°] 32	12 [°] 44	28 [°] 35	14 [°] 58	3 [°] 40	27 [°] 40	28 [°] D 6	1 [°] 0	29 [°] 31	1 [°] 46	2 [°] 44	0 [♁] 4	13 [°] 31								
F 7	7 5 57	16 [°] 27'21	4 [♁] 21	14 [°] 19	29 [°] 36	15 [°] 34	3 [°] 54	27 [°] 35	28 [°] 6	1 [°] 0	29 [°] 33	1 [°] 44	2 [°] 41	0 [°] 10	13 [°] 32								
S 8	7 9 54	17 [°] 28'29	16 [°] 12	15 [°] 56	0 [♁] 38	16 [°] 10	4 [°] 8	27 [°] 30	28 [°] 6	1 [°] 0	29 [°] 35	1 [°] 42	2 [°] 38	0 [°] 17	13 [°] 33								
S 9	7 13 50	18 [°] 29'36	28 [°] 6	17 [°] 32	1 [°] 40	16 [°] 47	4 [°] 22	27 [°] 25	28 [°] 6	1 [°] 0	29 [°] 37	1 [°] D42	2 [°] 35	0 [°] 24	13 [°] 34								
M10	7 17 47	19 [°] 30'44	10 [♁] 4	19 [°] 9	2 [°] 43	17 [°] 23	4 [°] 36	27 [°] 20	28 [°] 6	0 [°] 59	29 [°] 38	1 [°] 42	2 [°] 31	0 [°] 30	13 [°] 35								
T 11	7 21 44	20 [°] 31'52	22 [°] 11	20 [°] 46	3 [°] 45	17 [°] 59	4 [°] 50	27 [°] 15	28 [°] 6	0 [°] 59	29 [°] 40	1 [°] 42	2 [°] 28	0 [°] 37	13 [°] 36								
W12	7 25 40	21 [°] 32'59	4 [♁] 27	22 [°] 24	4 [°] 49	18 [°] 36	5 [°] 4	27 [°] 11	28 [°] 7	0 [°] 59	29 [°] 42	1 [°] 43	2 [°] 25	0 [°] 44	13 [°] 37								
T 13	7 29 37	22 [°] 34'07	16 [°] 55	24 [°] 2	5 [°] 52	19 [°] 12	5 [°] 18	27 [°] 6	28 [°] 7	0 [°] 58	29 [°] 44	1 [°] 44	2 [°] 22	0 [°] 50	13 [°] 38								
F 14	7 33 33	23 [°] 35'15	29 [°] 38	25 [°] 41	6 [°] 56	19 [°] 48	5 [°] 32	27 [°] 1	28 [°] 7	0 [°] 58	29 [°] 46	1 [°] 45	2 [°] 19	0 [°] 57	13 [°] 39								
S 15	7 37 30	24 [°] 36'22	12 [♁] 39	27 [°] 20	8 [°] 0	20 [°] 24	5 [°] 46	26 [°] 56	28 [°] 8	0 [°] 58	29 [°] 48	1 [°] 46	2 [°] 16	1 [°] 4	13 [°] 40								
S 16	7 41 26	25 [°] 37'30	26 [°] 1	28 [°] 59	9 [°] 5	21 [°] 1	6 [°] 0	26 [°] 51	28 [°] 8	0 [°] 57	29 [°] 50	1 [°] R46	2 [°] 12	1 [°] 10	13 [°] 41								
M17	7 45 23	26 [°] 38'38	9 [♁] 45	0 [♁] 39	10 [°] 9	21 [°] 37	6 [°] 14	26 [°] 46	28 [°] 9	0 [°] 57	29 [°] 52	1 [°] 46	2 [°] 9	1 [°] 17	13 [°] 43								
T 18	7 49 19	27 [°] 39'46	23 [°] 52	2 [°] 19	11 [°] 14	22 [°] 13	6 [°] 28	26 [°] 41	28 [°] 9	0 [°] 56	29 [°] 54	1 [°] 45	2 [°] 6	1 [°] 24	13 [°] 44								
W19	7 53 16	28 [°] 40'54	8 [♁] 22	4 [°] 0	12 [°] 20	22 [°] 49	6 [°] 42	26 [°] 36	28 [°] 10	0 [°] 56	29 [°] 56	1 [°] 45	2 [°] 3	1 [°] 30	13 [°] 45								
T 20	7 57 13	29 [°] 42'01	23 [°] 9	5 [°] 41	13 [°] 25	23 [°] 25	6 [°] 57	26 [°] 31	28 [°] 11	0 [°] 55	29 [°] 58	1 [°] 45	2 [°] 0	1 [°] 37	13 [°] 47								
F 21	8 1 9	0 [♁] 43'09	8 [♁] 9	7 [°] 23	14 [°] 31	24 [°] 1	7 [°] 11	26 [°] 26	28 [°] 11	0 [°] 54	0 [♁] 0	1 [°] 45	1 [°] 57	1 [°] 44	13 [°] 48								
S 22	8 5 6	1 [°] 44'16	23 [°] 13	9 [°] 4	15 [°] 37	24 [°] 37	7 [°] 25	26 [°] 21	28 [°] 12	0 [°] 54	0 [°] 2	1 [°] D45	1 [°] 53	1 [°] 50	13 [°] 50								
S 23	8 9 2	2 [°] 45'23	8 [♁] 12	10 [°] 46	16 [°] 43	25 [°] 13	7 [°] 39	26 [°] 16	28 [°] 13	0 [°] 53	0 [°] 4	1 [°] R45	1 [°] 50	1 [°] 57	13 [°] 52								
M24	8 12 59	3 [°] 46'29	22 [°] 59	12 [°] 29	17 [°] 50	25 [°] 48	7 [°] 53	26 [°] 11	28 [°] 14	0 [°] 52	0 [°] 6	1 [°] 44	1 [°] 47	2 [°] 4	13 [°] 53								
T 25	8 16 55	4 [°] 47'34	7 [♁] 25	14 [°] 11	18 [°] 57	26 [°] 24	8 [°] 7	26 [°] 6	28 [°] 15	0 [°] 52	0 [°] 8	1 [°] 44	1 [°] 44	2 [°] 10	13 [°] 55								
W26	8 20 52	5 [°] 48'38	21 [°] 27	15 [°] 54	20 [°] 3	27 [°] 0	8 [°] 22	26 [°] 1	28 [°] 16	0 [°] 51	0 [°] 10	1 [°] 44	1 [°] 41	2 [°] 17	13 [°] 57								
T 27	8 24 48	6 [°] 49'42	5 [♁] 2	17 [°] 36	21 [°] 11	27 [°] 36	8 [°] 36	25 [°] 57	28 [°] 17	0 [°] 50	0 [°] 12	1 [°] 43	1 [°] 37	2 [°] 24	13 [°] 59								
F 28	8 28 45	7 [°] 50'44	18 [°] 11	19 [°] 19	22 [°] 18	28 [°] 11	8 [°] 50	25 [°] 52	28 [°] 18	0 [°] 49	0 [°] 14	1 [°] 43	1 [°] 34	2 [°] 30	14 [°] 1								
S 29	8 32 42	8 [°] 51'46	0 [♁] 56	21 [°] 1	23 [°] 25	28 [°] 47	9 [°] 4	25 [°] 47	28 [°] 19	0 [°] 48	0 [°] 16	1 [°] 42	1 [°] 31	2 [°] 37	14 [°] 3								
S 30	8 36 38	9 [°] 52'46	13 [°] 20	22 [°] 42	24 [°] 33	29 [°] 23	9 [°] 18	25 [°] 42	28 [°] 20	0 [°] 48	0 [°] 18	1 [°] D42	1 [°] 28	2 [°] 44	14 [°] 5								
M31	8 40 35	10 [♁] 53'46	25 [♁] 29	24 [♁] 23	25 [♁] 41	29 [♁] 58	9 [♁] 33	25 [♁] 38	28 [°] Υ22	0 [♁] 47	0 [♁] 20	1 [♁] 43	1 [♁] 25	2 [♁] 50	14 [°] Υ 7								

Delta T = 10m07s

FEBRUARY 2270

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	8 44 31	11 [♁] 54'44	7 [♁] 26	26 [♁] 3	26 [♁] 49	0 [♁] 33	9 [♁] 47	25 [°] R33	28 [°] Υ23	0 [°] R46	0 [♁] 22	1 [♁] 43	1 [♁] 22	2 [♁] 57	14 [°] Υ 9								
W 2	8 48 28	12 [°] 55'41	19 [°] 16	27 [°] 42	27 [°] 57	1 [°] 9	10 [°] 1	25 [♁] 28	28 [°] 24	0 [♁] 45	0 [°] 24	1 [°] 44	1 [°] 18	3 [°] 3	14 [°] 11								
T 3	8 52 24	13 [°] 56'38	1 [♁] 4	29 [°] 19	29 [°] 5	1 [°] 44	10 [°] 15	25 [°] 24	28 [°] 26	0 [°] 44	0 [°] 26	1 [°] 46	1 [°] 15	3 [°] 10	14 [°] 13								
F 4	8 56 21	14 [°] 57'33	12 [°] 53	0 [♁] 54	0 [♁] 13	2 [°] 20	10 [°] 30	25 [°] 19	28 [°] 27	0 [°] 43	0 [°] 28	1 [°] 47	1 [°] 12	3 [°] 17	14 [°] 15								
S 5	9 0 17	15 [°] 58'27	24 [°] 47	2 [°] 26	1 [°] 22	2 [°] 55	10 [°] 44	25 [°] 15	28 [°] 29	0 [°] 42	0 [°] 30	1 [°] 48	1 [°] 9	3 [°] 23	14 [°] 17								
S 6	9 4 14	16 [°] 59'19	6 [♁] 48	3 [°] 56	2 [°] 31	3 [°] 30	10 [°] 58	25 [°] 10	28 [°] 30	0 [°] 41	0 [°] 32	1 [°] R48	1 [°] 6	3 [°] 30	14 [°] 20								
M 7	9 8 11	18 [°] 0'11	18 [°] 59	5 [°] 22	3 [°] 40	4 [°] 5	11 [°] 12	25 [°] 6	28 [°] 32	0 [°] 39	0 [°] 33	1 [°] 47	1 [°] 3	3 [°] 37	14 [°] 22								
T 8	9 12 7	19 [°] 1'02	1 [♁] 20	6 [°] 44	4 [°] 49	4 [°] 40	11 [°] 26	25 [°] 2	28 [°] 33	0 [°] 38	0 [°] 35	1 [°] 45	0 [°] 59	3 [°] 43	14 [°] 24								
W 9	9 16 4	20 [°] 1'51	13 [°] 53	8 [°] 1	5 [°] 58	5 [°] 15	11 [°] 40	24 [°] 57	28 [°] 35	0 [°] 37	0 [°] 37	1 [°] 43	0 [°] 56	3 [°] 50	14 [°] 27								
T 10	9 20 0	21 [°] 2'40	26 [°] 39	9 [°] 12	7 [°] 7	5 [°] 50	11 [°] 55	24 [°] 53	28 [°] 37	0 [°] 36	0 [°] 39	1 [°] 40	0 [°] 53	3 [°] 57	14 [°] 29								
F 11	9 23 57	22 [°] 3'27	9 [♁] 39	10 [°] 17	8 [°] 16	6 [°] 25	12 [°] 9	24 [°] 49	28 [°] 38	0 [°] 35	0 [°] 41	1 [°] 37	0 [°] 50	4 [°] 3	14 [°] 32								
S 12	9 27 53	23 [°] 4'13	22 [°] 52	11 [°] 15	9 [°] 26	7 [°] 0	12 [°] 23	24 [°] 45	28 [°] 40	0 [°] 34	0 [°] 43	1 [°] 34	0 [°] 47	4 [°] 10	14 [°] 34								
S 13	9 31 50	24 [°] 4'59	6 [♁] 19	12 [°] 5	10 [°] 36	7 [°] 35	12 [°] 37	24 [°] 41	28 [°] 42	0 [°] 32	0 [°] 45	1 [°] 32	0 [°] 43	4 [°] 17	14 [°] 37								
M14	9 35 46	25 [°] 5'44	20 [°] 2	12 [°] 46	11 [°] 45	8 [°] 10	12 [°] 51	24 [°] 37	28 [°] 44	0 [°] 31	0 [°] 47	1 [°] D31	0 [°] 40	4 [°] 23	14 [°] 40								
T 15	9 39 43	26 [°] 6'27	3 [♁] 59	13 [°] 18	12 [°] 55	8 [°] 45	13 [°] 5	24 [°] 33	28 [°] 46	0 [°] 30	0 [°] 48	1 [°] 31	0 [°] 37	4 [°] 30	14 [°] 42								
W16	9 43 40	27 [°] 7'10	18 [°] 10	13 [°] 40	14 [°] 5	9 [°] 19	13 [°] 19	24 [°] 29	28 [°] 48	0 [°] 28	0 [°] 50	1 [°] 32	0 [°] 34	4 [°] 37	14 [°] 45								
T 17	9 47 36	28 [°] 7'52	2 [♁] 34	13 [°] 5																			

SWISS EPHEMERIS for the year 2270

MARCH 2270

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	10 34 55	10♌14'20	15♐33	5°R15	29♄23	16♌43	16♌19	23°R48	29♑17	0°R10	1♌13	1°D 3	29♄53	6♌ 3	15♑24
W 2	10 38 51	11°14'41	27°23	4♌13	0♌34	17°16	16°33	23♄45	29°20	0♌ 8	1°14	1♌ 4	29°49	6°10	15°27
T 3	10 42 48	12°15'00	9♄11	3°14	1°45	17°50	16°46	23°43	29°22	0° 7	1°16	1° 6	29°46	6°17	15°30
F 4	10 46 44	13°15'17	21° 2	2°20	2°56	18°23	17° 0	23°41	29°25	0° 5	1°17	1° 7	29°43	6°23	15°33
S 5	10 50 41	14°15'32	2♌59	1°32	4° 8	18°57	17°13	23°38	29°28	0° 4	1°19	1°R 8	29°40	6°30	15°37
S 6	10 54 38	15°15'45	15° 8	0°51	5°19	19°30	17°27	23°36	29°30	0° 2	1°21	1° 6	29°37	6°37	15°40
M 7	10 58 34	16°15'56	27°29	0°16	6°31	20° 3	17°40	23°34	29°33	0° 0	1°22	1° 3	29°34	6°43	15°43
T 8	11 2 31	17°16'05	10♑ 7	29♌48	7°42	20°36	17°53	23°32	29°36	29♑59	1°24	0°58	29°30	6°50	15°47
W 9	11 6 27	18°16'13	23° 1	29°27	8°54	21° 9	18° 7	23°30	29°38	29°57	1°25	0°51	29°27	6°57	15°50
T 10	11 10 24	19°16'18	6♌10	29°13	10° 5	21°42	18°20	23°29	29°41	29°56	1°26	0°42	29°24	7° 3	15°53
F 11	11 14 20	20°16'22	19°33	29° 5	11°17	22°14	18°33	23°27	29°44	29°54	1°28	0°33	29°21	7°10	15°57
S 12	11 18 17	21°16'24	3♌ 9	29°D 5	12°28	22°47	18°46	23°25	29°47	29°52	1°29	0°25	29°18	7°17	16° 0
S 13	11 22 13	22°16'25	16°55	29°10	13°40	23°19	18°59	23°24	29°50	29°51	1°31	0°19	29°15	7°23	16° 4
M14	11 26 10	23°16'24	0♌49	29°22	14°52	23°52	19°12	23°23	29°53	29°49	1°32	0°14	29°11	7°30	16° 7
T 15	11 30 7	24°16'21	14°49	29°39	16° 4	24°24	19°25	23°22	29°56	29°47	1°33	0°12	29° 8	7°36	16°11
W16	11 34 3	25°16'17	28°54	0♌ 1	17°16	24°56	19°38	23°20	29°59	29°46	1°35	0°D12	29° 5	7°43	16°14
T 17	11 38 0	26°16'12	13♄ 3	0°28	18°28	25°28	19°51	23°19	0♌ 2	29°44	1°36	0°12	29° 2	7°50	16°18
F 18	11 41 56	27°16'04	27°14	1° 0	19°40	26° 0	20° 4	23°19	0° 5	29°42	1°37	0°R13	28°59	7°56	16°21
S 19	11 45 53	28°15'55	11♌27	1°37	20°52	26°32	20°16	23°18	0° 8	29°41	1°39	0°12	28°55	8° 3	16°25
S 20	11 49 49	29°15'44	25°37	2°17	22° 4	27° 4	20°29	23°17	0°11	29°39	1°40	0°10	28°52	8°10	16°28
M21	11 53 46	0♑15'32	9♌43	3° 1	23°16	27°35	20°42	23°17	0°14	29°37	1°41	0° 5	28°49	8°16	16°32
T 22	11 57 42	1°15'17	23°40	3°49	24°28	28° 6	20°54	23°16	0°17	29°36	1°42	29♄57	28°46	8°23	16°35
W23	12 1 39	2°15'00	7♑23	4°40	25°40	28°38	21° 7	23°16	0°20	29°34	1°43	29°47	28°43	8°30	16°39
T 24	12 5 36	3°14'42	20°50	5°34	26°52	29° 9	21°19	23°16	0°23	29°32	1°45	29°36	28°40	8°36	16°43
F 25	12 9 32	4°14'21	3♄57	6°32	28° 4	29°40	21°31	23°D16	0°26	29°31	1°46	29°25	28°36	8°43	16°46
S 26	12 13 29	5°13'59	16°44	7°32	29°17	0♌10	21°43	23°16	0°29	29°29	1°47	29°15	28°33	8°50	16°50
S 27	12 17 25	6°13'34	29°12	8°34	0♌29	0°41	21°56	23°16	0°33	29°27	1°48	29° 6	28°30	8°56	16°54
M28	12 21 22	7°13'07	11♐24	9°39	1°41	1°12	22° 8	23°16	0°36	29°26	1°49	29° 1	28°27	9° 3	16°57
T 29	12 25 18	8°12'37	23°23	10°47	2°53	1°42	22°20	23°16	0°39	29°24	1°50	28°58	28°24	9°10	17° 1
W30	12 29 15	9°12'06	5♄14	11°57	4° 6	2°12	22°32	23°17	0°42	29°22	1°51	28°D56	28°20	9°16	17° 5
T 31	12 33 11	10♑11'32	17♄ 2	13♌ 8	5♌18	2♄42	22♌43	23♄18	0♌45	29♑21	1♌52	28♄57	28♄17	9♄23	17♑ 8

Delta T = 10m08s

APRIL 2270

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	12 37 8	11♑10'56	28♄53	14♌22	6♌30	3♄12	22♌55	23♄18	0♌49	29°R19	1♌53	28°R57	28♄14	9♄30	17♑12
S 2	12 41 5	12°10'17	10♌52	15°38	7°43	3°42	23° 7	23°19	0°52	29♑18	1°54	28♄56	28°11	9°36	17°16
S 3	12 45 1	13° 9'36	23° 4	16°56	8°55	4°11	23°18	23°20	0°55	29°16	1°55	28°54	28° 8	9°43	17°19
M 4	12 48 58	14° 8'53	5♐34	18°16	10° 8	4°40	23°30	23°21	0°59	29°14	1°55	28°49	28° 5	9°50	17°23
T 5	12 52 54	15° 8'08	18°23	19°37	11°20	5° 9	23°41	23°22	1° 2	29°13	1°56	28°41	28° 1	9°56	17°27
W 6	12 56 51	16° 7'20	1♌34	21° 0	12°33	5°38	23°53	23°23	1° 5	29°11	1°57	28°31	27°58	10° 3	17°31
T 7	13 0 47	17° 6'31	15° 5	22°25	13°45	6° 7	24° 4	23°25	1° 9	29°10	1°58	28°20	27°55	10°10	17°34
F 8	13 4 44	18° 5'39	28°54	23°51	14°58	6°36	24°15	23°26	1°12	29° 8	1°59	28° 7	27°52	10°16	17°38
S 9	13 8 40	19° 4'46	12♌57	25°19	16°10	7° 4	24°26	23°28	1°15	29° 7	1°59	27°56	27°49	10°23	17°42
S 10	13 12 37	20° 3'50	27° 9	26°49	17°23	7°32	24°37	23°29	1°19	29° 5	2° 0	27°46	27°46	10°29	17°45
M11	13 16 33	21° 2'53	11♌25	28°20	18°36	8° 0	24°48	23°31	1°22	29° 3	2° 1	27°39	27°42	10°36	17°49
T 12	13 20 30	22° 1'54	25°41	29°53	19°48	8°28	24°58	23°33	1°26	29° 2	2° 1	27°35	27°39	10°43	17°53
W13	13 24 27	23° 0'53	9♄54	1°Y27	21° 1	8°55	25° 9	23°35	1°29	29° 0	2° 2	27°33	27°36	10°49	17°57
T 14	13 28 23	23°59'51	24° 1	3° 3	22°13	9°23	25°20	23°37	1°32	28°59	2° 2	27°33	27°33	10°56	18° 0
F 15	13 32 20	24°58'47	8♌ 3	4°41	23°26	9°50	25°30	23°39	1°36	28°58	2° 3	27°33	27°30	11° 3	18° 4
S 16	13 36 16	25°57'41	21°58	6°20	24°39	10°17	25°40	23°42	1°39	28°56	2° 3	27°32	27°26	11° 9	18° 8
S 17	13 40 13	26°56'33	5♌46	8° 0	25°52	10°43	25°51	23°44	1°43	28°55	2° 4	27°28	27°23	11°16	18°11
M18	13 44 9	27°55'24	19°26	9°42	27° 4	11° 9	26° 1	23°47	1°46	28°53	2° 4	27°22	27°20	11°23	18°15
T 19	13 48 6	28°54'13	2°Y57	11°26	28°17	11°35	26°11	23°49	1°50	28°52	2° 5	27°12	27°17	11°29	18°19
W20	13 52 2	29°52'59	16°17	13°11	29°30	12° 1	26°21	23°52	1°53	28°50	2° 5	27° 1	27°14	11°36	18°22
T 21	13 55 59	0♌51'44	29°23	14°58	0♑43	12°27	26°30	23°55	1°56	28°49	2° 6	26°48	27°11	11°43	18°26
F 22	13 59 56	1°50'28	12♄15	16°46	1°55	12°52	26°40	23°58	2° 0	28°48	2° 6	26°34	27° 7	11°49	18°30
S 23	14 3 52	2°49'09	24°51	18°36	3° 8	13°17	26°50	24° 1	2° 3	28°46	2° 6	26°22	27° 4	11°56	18°33
S 24	14 7 49	3°47'48	7♐12	20°28	4°21	13°41	26°59	24° 4	2° 7	28°45	2° 7	26°12	27° 1	12° 3	18°37
M25	14 11 45	4°46'25	19°20	22°21	5°34	14° 6	27° 8	24° 7	2°10	28°44	2° 7	26° 5	26°58	12° 9	18°40
T 26	14 15 42	5°45'00	1♄17	24°16	6°47	14°30	27°18	24°10	2°14	28°43	2° 7	26° 0	26°55	12°16	18°44
W27	14 19 38	6°43'33	13° 7	26°12	7°59	14°54	27°27	24°14	2°17	28°41	2° 7	25°58	26°52	12°23	18°48
T 28	14 23 35	7°42'04	24°54	28°10	9°12	15°17	27°36	24°17	2°21	28°40	2° 7	25°D57	26°48	12°29	18°51
F 29	14 27 31	8°40'32	6♌45	0♌10	10°25	15°40	27°44	24°21	2°24	28°39	2° 8	25°R57	26°45	12°36	18°55
S 30	14 31 28	9♄38'59	18♌43	2♄11	11♑38	16♄ 3	27♌53	24♄25	2♄27	28♑38	2♌ 8	25♄57	26♄42	12♄42	18♑58

Delta T = 10m08s

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SWISS EPHEMERIS for the year 2270

MAY 2270

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	14 35 25	10♁37'23	0♏♁56	4♁13	12♁51	16♁25	28♁2	24♁28	2♁31	28°R37	2♁8	25°R55	26♁39	12♁49	19♁2		
M 2	14 39 21	11°35'45	13°28	6°17	14° 4	16°47	28°10	24°32	2°34	28♁35	2° 8	25♁51	26°36	12°56	19° 5		
T 3	14 43 18	12°34'05	26°22	8°22	15°16	17° 9	28°18	24°36	2°38	28°34	2°R 8	25°45	26°32	13° 2	19° 9		
W 4	14 47 14	13°32'23	9♁41	10°28	16°29	17°30	28°26	24°40	2°41	28°33	2° 8	25°36	26°29	13° 9	19°12		
T 5	14 51 11	14°30'39	23°26	12°36	17°42	17°51	28°34	24°45	2°44	28°32	2° 8	25°26	26°26	13°16	19°16		
F 6	14 55 7	15°28'53	7♁33	14°44	18°55	18°12	28°42	24°49	2°48	28°31	2° 8	25°15	26°23	13°22	19°19		
S 7	14 59 4	16°27'06	21°59	16°53	20° 8	18°32	28°50	24°53	2°51	28°30	2° 8	25° 5	26°20	13°29	19°22		
S 8	15 3 0	17°25'17	6♁36	19° 3	21°21	18°52	28°58	24°57	2°55	28°29	2° 8	24°56	26°17	13°36	19°26		
M 9	15 6 57	18°23'26	21°18	21°13	22°34	19°11	29° 5	25° 2	2°58	28°28	2° 7	24°50	26°13	13°42	19°29		
T 10	15 10 54	19°21'34	5♁57	23°23	23°47	19°30	29°12	25° 6	3° 1	28°27	2° 7	24°46	26°10	13°49	19°33		
W11	15 14 50	20°19'40	20°28	25°32	25° 0	19°48	29°20	25°11	3° 5	28°26	2° 7	24°D45	26° 7	13°56	19°36		
T 12	15 18 47	21°17'45	4♁46	27°41	26°13	20° 6	29°27	25°16	3° 8	28°26	2° 7	24°45	26° 4	14° 2	19°39		
F 13	15 22 43	22°15'49	18°51	29°50	27°25	20°24	29°33	25°21	3°11	28°25	2° 7	24°R46	26° 1	14° 9	19°42		
S 14	15 26 40	23°13'51	2♁41	1♁57	28°38	20°41	29°40	25°26	3°14	28°24	2° 6	24°46	25°58	14°16	19°46		
S 15	15 30 36	24°11'52	16°18	4° 3	29°51	20°58	29°47	25°30	3°18	28°23	2° 6	24°43	25°54	14°22	19°49		
M16	15 34 33	25° 9'51	29°41	6° 7	1♁ 4	21°14	29°53	25°36	3°21	28°22	2° 6	24°39	25°51	14°29	19°52		
T 17	15 38 29	26° 7'49	12♁51	8° 9	2°17	21°30	29°59	25°41	3°24	28°22	2° 5	24°32	25°48	14°35	19°55		
W18	15 42 26	27° 5'46	25°48	10° 9	3°30	21°45	0♁ 5	25°46	3°27	28°21	2° 5	24°23	25°45	14°42	19°58		
T 19	15 46 23	28° 3'42	8♁34	12° 7	4°43	21°59	0°11	25°51	3°31	28°20	2° 4	24°13	25°42	14°49	20° 1		
F 20	15 50 19	29° 1'36	21° 7	14° 2	5°56	22°14	0°17	25°56	3°34	28°20	2° 4	24° 3	25°38	14°55	20° 4		
S 21	15 54 16	29°59'29	3♁28	15°54	7° 9	22°27	0°23	26° 2	3°37	28°19	2° 4	23°54	25°35	15° 2	20° 8		
S 22	15 58 12	0♁57'20	15°38	17°44	8°22	22°40	0°28	26° 7	3°40	28°18	2° 3	23°46	25°32	15° 9	20°11		
M23	16 2 9	1°55'10	27°38	19°30	9°35	22°52	0°33	26°13	3°43	28°18	2° 3	23°41	25°29	15°15	20°14		
T 24	16 6 5	2°52'58	9♁30	21°14	10°48	23° 4	0°39	26°18	3°46	28°17	2° 2	23°37	25°26	15°22	20°16		
W25	16 10 2	3°50'45	21°18	22°54	12° 1	23°15	0°44	26°24	3°50	28°17	2° 1	23°D36	25°23	15°29	20°19		
T 26	16 13 58	4°48'30	3♁ 5	24°32	13°15	23°26	0°48	26°30	3°53	28°16	2° 1	23°37	25°19	15°35	20°22		
F 27	16 17 55	5°46'13	14°55	26° 6	14°28	23°36	0°53	26°36	3°56	28°16	2° 0	23°38	25°16	15°42	20°25		
S 28	16 21 52	6°43'55	26°53	27°36	15°41	23°45	0°57	26°42	3°59	28°16	2° 0	23°39	25°13	15°49	20°28		
S 29	16 25 48	7°41'36	9♁ 5	29° 4	16°54	23°54	1° 2	26°48	4° 2	28°15	1°59	23°R40	25°10	15°55	20°31		
M30	16 29 45	8°39'15	21°35	0♁28	18° 7	24° 2	1° 6	26°54	4° 5	28°15	1°58	23°39	25° 7	16° 2	20°33		
T 31	16 33 41	9♁36'52	4♁28	1♁49	19♁20	24♁10	1♁10	27♁0	4♁8	28♁15	1♁57	23♁36	25♁3	16♁9	20♁36		

Delta T = 10m08s

JUNE 2270

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
W 1	16 37 38	10♁34'28	17♁47	3♁6	20♁33	24♁16	1♁13	27♁6	4♁11	28°R14	1°R57	23°R32	25♁0	16♁15	20♁39		
T 2	16 41 34	11°32'03	1♁34	4°20	21°46	24°23	1°17	27°12	4°13	28♁14	1♁56	23♁26	24°57	16°22	20°41		
F 3	16 45 31	12°29'36	15°48	5°30	22°59	24°28	1°20	27°18	4°16	28°14	1°55	23°20	24°54	16°28	20°44		
S 4	16 49 27	13°27'08	0♁24	6°37	24°12	24°33	1°23	27°24	4°19	28°14	1°54	23°14	24°51	16°35	20°47		
S 5	16 53 24	14°24'39	15°17	7°39	25°25	24°37	1°26	27°31	4°22	28°14	1°53	23° 9	24°48	16°42	20°49		
M 6	16 57 21	15°22'09	0♁19	8°39	26°38	24°40	1°29	27°37	4°25	28°13	1°53	23° 5	24°44	16°48	20°52		
T 7	17 1 17	16°19'38	15°19	9°34	27°51	24°43	1°32	27°44	4°28	28°13	1°52	23° 4	24°41	16°55	20°54		
W 8	17 5 14	17°17'06	0♁11	10°26	29° 5	24°45	1°34	27°50	4°30	28°13	1°51	23°D 4	24°38	17° 2	20°56		
T 9	17 9 10	18°14'33	14°47	11°13	0♁18	24°46	1°37	27°57	4°33	28°D13	1°50	23° 5	24°35	17° 8	20°59		
F 10	17 13 7	19°11'59	29° 5	11°57	1°31	24°R46	1°39	28° 3	4°36	28°13	1°49	23° 6	24°32	17°15	21° 1		
S 11	17 17 3	20° 9'25	13♁ 1	12°36	2°44	24°46	1°41	28°10	4°38	28°13	1°48	23° 7	24°29	17°22	21° 3		
S 12	17 21 0	21° 6'50	26°37	13°11	3°57	24°45	1°42	28°17	4°41	28°13	1°47	23°R 7	24°25	17°28	21° 6		
M13	17 24 57	22° 4'15	9♁53	13°42	5°10	24°43	1°44	28°23	4°44	28°14	1°46	23° 6	24°22	17°35	21° 8		
T 14	17 28 53	23° 1'39	22°51	14° 9	6°23	24°41	1°45	28°30	4°46	28°14	1°45	23° 3	24°19	17°42	21°10		
W15	17 32 50	23°59'03	5♁34	14°31	7°37	24°37	1°46	28°37	4°49	28°14	1°44	23° 0	24°16	17°48	21°12		
T 16	17 36 46	24°56'26	18° 2	14°49	8°50	24°33	1°47	28°44	4°51	28°14	1°43	22°55	24°13	17°55	21°14		
F 17	17 40 43	25°53'48	0♁19	15° 2	10° 3	24°28	1°48	28°51	4°54	28°14	1°42	22°51	24° 9	18° 2	21°16		
S 18	17 44 39	26°51'10	12°26	15°10	11°16	24°23	1°49	28°58	4°56	28°15	1°41	22°46	24° 6	18° 8	21°18		
S 19	17 48 36	27°48'31	24°25	15°R14	12°30	24°16	1°49	29° 5	4°58	28°15	1°39	22°43	24° 3	18°15	21°20		
M20	17 52 32	28°45'52	6♁18	15°13	13°43	24° 9	1°R49	29°12	5° 1	28°15	1°38	22°41	24° 0	18°21	21°22		
T 21	17 56 29	29°43'12	18° 6	15° 8	14°56	24° 1	1°49	29°19	5° 3	28°16	1°37	22°D40	23°57	18°28	21°24		
W22	18 0 26	0♁40'31	29°53	14°59	16° 9	23°53	1°49	29°26	5° 5	28°16	1°36	22°40	23°54	18°35	21°26		
T 23	18 4 22	1°37'50	11♁40	14°45	17°23	23°43	1°48	29°33	5° 8	28°16	1°35	22°41	23°50	18°41	21°27		
F 24	18 8 19	2°35'08	23°32	14°28	18°36	23°33	1°48	29°41	5°10	28°17	1°34	22°42	23°47	18°48	21°29		
S 25	18 12 15	3°32'25	5♁32	14° 7	19°49	23°23	1°47	29°48	5°12	28°17	1°32	22°44	23°44	18°55	21°31		
S 26	18 16 12	4°29'41	17°45	13°42	21° 3	23°11	1°46	29°55	5°14	28°18	1°31	22°45	23°41	19° 1	21°32		
M27	18 20 8	5°26'57	0♁14	13°14	22°16	23° 0	1°45	0♁ 2	5°16	28°19	1°30	22°R46	23°38	19° 8	21°34		
T 28	18 24 5	6°24'12	13° 4	12°44	23°29	22°47	1°43	0°10	5°18	28°19	1°29	22°46	23°35	19°15	21°35		
W29	18 28 1	7°21'26	26°18	12°11	24°43	22°34	1°42	0°17	5°20	28°20	1°27	22°45	23°31	19°21	21°37		
T 30	18 31 58	8♁18'40	9♁59	11♁37	25♁56	22♁20	1♁40	0♁24	5♁22	28♁20	1♁26	22♁44	23♁28	19♁28	21♁38		

Delta T = 10m08s

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SWISS EPHEMERIS for the year 2270

JULY 2270

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	18 35 55	9 ⁵ 15'53	24 ¹¹ 7	11°R 2	27 ¹¹ 9	22°R 6	1°R38	0 ⁰ 32	5 ⁸ 24	28 ¹¹ 21	1°R25	22°R42	23 ³ 25	19 ⁵ 35	21 ¹ 39
S 2	18 39 51	10°13'06	8 ⁷ 41	10 ⁵ 27	28°23	21 ³ 51	1 ¹ 36	0°39	5°26	28°22	1 ² 24	22 ³ 41	23°22	19°41	21°41
S 3	18 43 48	11°10'18	23°36	9°51	29°36	21°36	1°34	0°47	5°28	28°23	1°22	22°39	23°19	19°48	21°42
M 4	18 47 44	12° 7'30	8 ³ 43	9°17	0 ⁵ 50	21°21	1°31	0°54	5°30	28°23	1°21	22°39	23°15	19°55	21°43
T 5	18 51 41	13° 4'42	23°55	8°43	2° 3	21° 5	1°29	1° 2	5°32	28°24	1°20	22°D38	23°12	20° 1	21°44
W 6	18 55 37	14° 1'54	9 ² 2	8°12	3°17	20°49	1°26	1° 9	5°33	28°25	1°18	22°39	23° 9	20° 8	21°45
T 7	18 59 34	14°59'06	23°54	7°43	4°30	20°32	1°23	1°17	5°35	28°26	1°17	22°39	23° 6	20°14	21°46
F 8	19 3 30	15°56'17	8 ¹ 27	7°18	5°44	20°15	1°19	1°25	5°37	28°27	1°15	22°40	23° 3	20°21	21°47
S 9	19 7 27	16°53'29	22°35	6°56	6°57	19°58	1°16	1°32	5°38	28°28	1°14	22°40	23° 0	20°28	21°48
S 10	19 11 24	17°50'41	6 ¹ 18	6°37	8°11	19°40	1°12	1°40	5°40	28°29	1°13	22°41	22°56	20°34	21°49
M11	19 15 20	18°47'54	19°36	6°23	9°24	19°23	1° 9	1°47	5°41	28°30	1°11	22°R41	22°53	20°41	21°50
T 12	19 19 17	19°45'07	2 ⁸ 31	6°13	10°38	19° 5	1° 5	1°55	5°43	28°31	1°10	22°41	22°50	20°48	21°51
W13	19 23 13	20°42'20	15° 6	6°D 9	11°51	18°47	1° 1	2° 3	5°44	28°32	1° 9	22°40	22°47	20°54	21°52
T 14	19 27 10	21°39'34	27°26	6° 9	13° 5	18°30	0°56	2°10	5°46	28°33	1° 7	22°40	22°44	21° 1	21°52
F 15	19 31 6	22°36'48	9 ¹¹ 32	6°14	14°18	18°12	0°52	2°18	5°47	28°34	1° 6	22°D40	22°41	21° 8	21°53
S 16	19 35 3	23°34'02	21°30	6°24	15°32	17°54	0°47	2°26	5°48	28°35	1° 4	22°40	22°37	21°14	21°53
S 17	19 38 59	24°31'17	3 ⁵ 21	6°40	16°46	17°36	0°43	2°33	5°49	28°36	1° 3	22°40	22°34	21°21	21°54
M18	19 42 56	25°28'32	15° 9	7° 1	17°59	17°19	0°38	2°41	5°51	28°37	1° 1	22°41	22°31	21°28	21°54
T 19	19 46 53	26°25'47	26°55	7°28	19°13	17° 2	0°33	2°49	5°52	28°39	1° 0	22°R41	22°28	21°34	21°55
W20	19 50 49	27°23'03	8 ¹¹ 44	7°59	20°27	16°45	0°27	2°57	5°53	28°40	0°59	22°40	22°25	21°41	21°55
T 21	19 54 46	28°20'18	20°36	8°36	21°40	16°28	0°22	3° 4	5°54	28°41	0°57	22°40	22°21	21°47	21°55
F 22	19 58 42	29°17'34	2 ¹¹ 34	9°19	22°54	16°12	0°16	3°12	5°55	28°43	0°56	22°39	22°18	21°54	21°56
S 23	20 2 39	0 ⁰ 14'51	14°41	10° 7	24° 8	15°56	0°11	3°20	5°56	28°44	0°54	22°38	22°15	22° 1	21°56
S 24	20 6 35	1°12'07	26°59	10°59	25°22	15°41	0° 5	3°28	5°57	28°45	0°53	22°37	22°12	22° 7	21°56
M25	20 10 32	2° 9'24	9 ¹¹ 31	11°57	26°35	15°26	29 ¹¹ 59	3°36	5°58	28°47	0°51	22°36	22° 9	22°14	21°56
T 26	20 14 28	3° 6'41	22°21	13° 0	27°49	15°11	29°53	3°43	5°59	28°48	0°50	22°36	22° 6	22°21	21°R56
W27	20 18 25	4° 3'58	5 ¹¹ 32	14° 8	29° 3	14°57	29°46	3°51	5°59	28°49	0°49	22°D35	22° 2	22°27	21°56
T 28	20 22 22	5° 1'16	19° 5	15°21	0 ⁰ 17	14°44	29°40	3°59	6° 0	28°51	0°47	22°36	21°59	22°34	21°56
F 29	20 26 18	5°58'34	3 ¹¹ 3	16°39	1°31	14°31	29°34	4° 7	6° 1	28°52	0°46	22°37	21°56	22°41	21°56
S 30	20 30 15	6°55'52	17°24	18° 1	2°45	14°19	29°27	4°14	6° 1	28°54	0°44	22°38	21°53	22°47	21°55
S 31	20 34 11	7 ¹¹ 53'11	2 ³ 7	19 ⁵ 28	3 ⁰ 58	14 ³ 8	29 ¹¹ 20	4 ⁰ 22	6 ⁸ 2	28 ¹¹ 55	0 ¹¹ 43	22 ³ 39	21 ³ 50	22 ⁵ 54	21 ¹ 55

Delta T = 10m09s

AUGUST 2270

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	20 38 8	8 ⁰ 50'30	17 ³ 5	21 ⁵ 0	5 ⁰ 12	13°R57	29°R14	4 ⁰ 30	6 ⁸ 2	28 ¹¹ 57	0°R41	22°R39	21 ³ 47	23 ⁵ 1	21°R55
T 2	20 42 4	9°47'49	2 ¹¹ 13	22°35	6°26	13 ³ 47	29 ¹¹ 7	4°38	6° 3	28°58	0 ¹¹ 40	22 ³ 39	21°43	23° 7	21°Y54
W 3	20 46 1	10°45'10	17°22	24°15	7°40	13°38	29° 0	4°45	6° 3	29° 0	0°39	22°38	21°40	23°14	21°54
T 4	20 49 58	11°42'31	2 ¹¹ 21	25°58	8°54	13°29	28°53	4°53	6° 4	29° 2	0°37	22°36	21°37	23°21	21°54
F 5	20 53 54	12°39'53	17° 3	27°45	10° 8	13°21	28°45	5° 1	6° 4	29° 3	0°36	22°34	21°34	23°27	21°53
S 6	20 57 51	13°37'16	1 ¹ 21	29°35	11°22	13°14	28°38	5° 9	6° 4	29° 5	0°34	22°31	21°31	23°34	21°52
S 7	21 1 47	14°34'39	15°12	1 ⁰ 28	12°36	13° 8	28°31	5°16	6° 5	29° 7	0°33	22°29	21°27	23°40	21°52
M 8	21 5 44	15°32'05	28°36	3°24	13°50	13° 3	28°23	5°24	6° 5	29° 8	0°32	22°27	21°24	23°47	21°51
T 9	21 9 40	16°29'31	11 ⁸ 34	5°21	15° 4	12°58	28°16	5°32	6° 5	29°10	0°30	22°D26	21°21	23°54	21°50
W10	21 13 37	17°26'59	24° 9	7°21	16°18	12°54	28° 8	5°39	6° 5	29°12	0°29	22°26	21°18	24° 0	21°50
T 11	21 17 33	18°24'28	6 ¹¹ 25	9°22	17°32	12°51	28° 1	5°47	6°R 5	29°14	0°28	22°27	21°15	24° 7	21°49
F 12	21 21 30	19°21'58	18°27	11°25	18°46	12°49	27°53	5°55	6° 5	29°15	0°26	22°28	21°12	24°14	21°48
S 13	21 25 27	20°19'29	0 ⁵ 20	13°28	20° 0	12°48	27°45	6° 2	6° 5	29°17	0°25	22°30	21° 8	24°20	21°47
S 14	21 29 23	21°17'02	12° 7	15°31	21°14	12°D47	27°38	6°10	6° 5	29°19	0°24	22°31	21° 5	24°27	21°46
M15	21 33 20	22°14'36	23°54	17°35	22°28	12°48	27°30	6°18	6° 5	29°21	0°22	22°R32	21° 2	24°34	21°45
T 16	21 37 16	23°12'11	5 ⁰ 42	19°39	23°42	12°49	27°22	6°25	6° 4	29°23	0°21	22°31	20°59	24°40	21°44
W17	21 41 13	24° 9'47	17°36	21°42	24°57	12°51	27°14	6°33	6° 4	29°25	0°20	22°29	20°56	24°47	21°43
T 18	21 45 9	25° 7'24	29°36	23°45	26°11	12°54	27° 6	6°40	6° 4	29°27	0°18	22°25	20°53	24°54	21°41
F 19	21 49 6	26° 5'03	11 ¹¹ 45	25°47	27°25	12°58	26°59	6°48	6° 4	29°28	0°17	22°20	20°49	25° 0	21°40
S 20	21 53 2	27° 2'43	24° 5	27°48	28°39	13° 2	26°51	6°55	6° 3	29°30	0°16	22°14	20°46	25° 7	21°39
S 21	21 56 59	28° 0'23	6 ¹¹ 36	29°48	29°53	13° 8	26°43	7° 3	6° 3	29°32	0°15	22° 8	20°43	25°13	21°37
M22	22 0 55	28°58'05	19°19	1 ¹¹ 48	1 ¹¹ 8	13°14	26°35	7°10	6° 2	29°34	0°13	22° 2	20°40	25°20	21°36
T 23	22 4 52	29°55'48	2 ¹¹ 17	3°46	2°22	13°21	26°27	7°17	6° 2	29°36	0°12	21°58	20°37	25°27	21°34
W24	22 8 49	0 ¹¹ 53'32	15°30	5°42	3°36	13°29	26°19	7°25	6° 1	29°38	0°11	21°55	20°33	25°33	21°33
T 25	22 12 45	1°51'18	29° 0	7°38	4°50	13°37	26°11	7°32	6° 0	29°40	0°10	21°D54	20°30	25°40	21°31
F 26	22 16 42	2°49'04	12 ¹¹ 49	9°32	6° 5	13°47	26° 4	7°39	6° 0	29°42	0° 9	21°54	20°27	25°47	21°30
S 27	22 20 38	3°46'51	26°56	11°25	7°19	13°57	25°56	7°47	5°59	29°44	0° 8	21°55	20°24	25°53	21°28
S 28	22 24 35	4°44'40	11 ³ 21	13°16	8°33	14° 8	25°48	7°54	5°58	29°46	0° 6	21°57	20°21	26° 0	21°27
M29	22 28 31	5°42'30	26° 1	15° 6	9°47	14°19	25°41	8° 1	5°57	29°48	0° 5	21°R57	20°18	26° 7	21°25
T 30	22 32 28	6°40'21	10 ¹¹ 52	16°55	11° 2	14°32	25°33	8° 8	5°57	29°51	0° 4	21°56	20°14	26°13	21°23
W31	22 36 25	7 ¹¹ 38'13	25 ¹¹ 46	18 ¹¹ 42	12 ¹¹ 16	14 ³ 45	25 ¹¹ 26	8 ⁰ 15	5 ⁸ 56	29 ¹¹ 53	0 ¹¹ 3	21 ³ 52	20 ³ 11	26 ⁵ 20	21 ¹ Y21

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SWISS EPHEMERIS for the year 2270

SEPTEMBER 2270

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	22 40 21	8 ^h 36'06	10 ^h 37	20 ^h 28	13 ^h 30	14 ^h 59	25°R18	8 ^h 23	5°R55	29 ^h 55	0°R 2	21°R47	20 ^h 38	26 ^h 27	21°R19
F 2	22 44 18	9°34'01	25°15	22°13	14°45	15°13	25 ^h 11	8°30	5 ^h 54	29°57	0 ^h 1	21°340	20° 5	26°33	21°Y17
S 3	22 48 14	10°31'58	9 ^h Y34	23°56	15°59	15°28	25° 3	8°37	5°53	29°59	0° 0	21°32	20° 2	26°40	21°15
S 4	22 52 11	11°29'57	23°29	25°38	17°13	15°44	24°56	8°44	5°51	0 ^h 1	29 ^h 59	21°25	19°59	26°46	21°13
M 5	22 56 7	12°27'57	6 ^h 56	27°19	18°28	16° 1	24°49	8°51	5°50	0° 3	29°58	21°18	19°55	26°53	21°11
T 6	23 0 4	13°25'59	19°58	28°59	19°42	16°18	24°42	8°57	5°49	0° 5	29°57	21°14	19°52	27° 0	21° 9
W 7	23 4 0	14°24'03	2 ^h II35	0 ^h 37	20°56	16°35	24°35	9° 4	5°48	0° 7	29°56	21°11	19°49	27° 6	21° 7
T 8	23 7 57	15°22'09	14°52	2°14	22°11	16°54	24°28	9°11	5°47	0°10	29°55	21°D10	19°46	27°13	21° 5
F 9	23 11 53	16°20'17	26°54	3°50	23°25	17°13	24°21	9°18	5°45	0°12	29°54	21°11	19°43	27°20	21° 3
S 10	23 15 50	17°18'27	8 ^h 46	5°25	24°40	17°32	24°15	9°25	5°44	0°14	29°53	21°12	19°39	27°26	21° 1
S 11	23 19 47	18°16'39	20°33	6°59	25°54	17°52	24° 8	9°31	5°43	0°16	29°53	21°R12	19°36	27°33	20°59
M12	23 23 43	19°14'53	2 ^h Q20	8°31	27° 8	18°13	24° 2	9°38	5°41	0°18	29°52	21°11	19°33	27°40	20°56
T13	23 27 40	20°13'08	14°13	10° 2	28°23	18°34	23°55	9°44	5°40	0°21	29°51	21° 9	19°30	27°46	20°54
W14	23 31 36	21°11'26	26°13	11°32	29°37	18°56	23°49	9°51	5°38	0°23	29°50	21° 4	19°27	27°53	20°52
T15	23 35 33	22° 9'45	8 ^h 24	13° 1	0 ^h 52	19°19	23°43	9°57	5°37	0°25	29°49	20°56	19°24	28° 0	20°49
F16	23 39 29	23° 8'07	20°47	14°28	2° 6	19°41	23°37	10° 4	5°35	0°27	29°49	20°46	19°20	28° 6	20°47
S17	23 43 26	24° 6'30	3 ^h 24	15°54	3°21	20° 5	23°31	10°10	5°33	0°29	29°48	20°35	19°17	28°13	20°44
S18	23 47 22	25° 4'54	16°14	17°19	4°35	20°29	23°26	10°16	5°32	0°32	29°47	20°24	19°14	28°20	20°42
M19	23 51 19	26° 3'21	29°16	18°43	5°50	20°53	23°20	10°23	5°30	0°34	29°47	20°13	19°11	28°26	20°39
T20	23 55 16	27° 1'49	12 ^h 30	20° 6	7° 4	21°18	23°15	10°29	5°28	0°36	29°46	20° 4	19° 8	28°33	20°37
W21	23 59 12	28° 0'19	25°56	21°27	8°19	21°43	23°10	10°35	5°26	0°38	29°45	19°58	19° 4	28°39	20°34
T22	0 3 9	28°58'51	9 ^h 33	22°47	9°33	22° 9	23° 5	10°41	5°25	0°40	29°45	19°54	19° 1	28°46	20°32
F23	0 7 5	29°57'25	23°21	24° 5	10°48	22°36	23° 0	10°47	5°23	0°43	29°44	19°53	18°58	28°53	20°29
S24	0 11 2	0 ^h 56'00	7 ^h 20	25°22	12° 2	23° 2	22°55	10°53	5°21	0°45	29°44	19°D52	18°55	28°59	20°26
S25	0 14 58	1°54'36	21°30	26°38	13°17	23°30	22°51	10°59	5°19	0°47	29°43	19°R53	18°52	29° 6	20°24
M26	0 18 55	2°53'14	5 ^h 50	27°52	14°31	23°57	22°46	11° 5	5°17	0°49	29°43	19°52	18°49	29°13	20°21
T27	0 22 51	3°51'54	20°17	29° 4	15°46	24°25	22°42	11°10	5°15	0°52	29°42	19°49	18°45	29°19	20°18
W28	0 26 48	4°50'35	4 ^h 48	0 ^h 14	17° 0	24°54	22°38	11°16	5°13	0°54	29°42	19°43	18°42	29°26	20°16
T29	0 30 45	5°49'19	19°18	1°23	18°15	25°22	22°34	11°22	5°11	0°56	29°42	19°35	18°39	29°33	20°13
F30	0 34 41	6°48'04	3 ^h Y39	2 ^h 30	19°29	25°52	22°31	11°27	5°9	0°58	29°41	19°24	18°36	29°39	20°Y10

Delta T = 10m09s

OCTOBER 2270

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	0 38 38	7 ^h 46'51	17 ^h Y45	3 ^h 34	20 ^h 44	26 ^h 21	22°R27	11 ^h Q33	5°R 7	1 ^h 1	29°R41	19°R13	18 ^h 33	29 ^h 46	20°R 8
S 2	0 42 34	8°45'40	1 ^h 33	4°36	21°58	26°51	22°24	11°38	5 ^h 5	1° 3	29°341	19°3 1	18°30	29°53	20°Y 5
M 3	0 46 31	9°44'31	14°56	5°36	23°13	27°21	22°21	11°43	5° 3	1° 5	29°40	18°50	18°26	29°59	20° 2
T 4	0 50 27	10°43'24	27°56	6°33	24°27	27°52	22°18	11°49	5° 1	1° 7	29°40	18°42	18°23	0 ^h 6	19°59
W 5	0 54 24	11°42'20	10 ^h II34	7°28	25°42	28°23	22°15	11°54	4°58	1° 9	29°40	18°36	18°20	0°13	19°56
T 6	0 58 20	12°41'18	22°51	8°19	26°56	28°54	22°13	11°59	4°56	1°12	29°40	18°33	18°17	0°19	19°54
F 7	1 2 17	13°40'18	4 ^h 54	9° 7	28°11	29°26	22°11	12° 4	4°54	1°14	29°39	18°32	18°14	0°26	19°51
S 8	1 6 14	14°39'21	16°47	9°51	29°25	29°57	22° 8	12° 9	4°52	1°16	29°39	18°32	18°10	0°32	19°48
S 9	1 10 10	15°38'25	28°35	10°31	0 ^h 40	0 ^h 30	22° 6	12°14	4°50	1°18	29°39	18°32	18° 7	0°39	19°45
M10	1 14 7	16°37'32	10 ^h Q24	11° 7	1°54	1° 2	22° 5	12°18	4°47	1°20	29°39	18°30	18° 4	0°46	19°42
T11	1 18 3	17°36'41	22°19	11°38	3° 9	1°35	22° 3	12°23	4°45	1°22	29°39	18°27	18° 1	0°52	19°40
W12	1 22 0	18°35'53	4 ^h 25	12° 4	4°23	2° 8	22° 2	12°28	4°43	1°25	29°39	18°21	17°58	0°59	19°37
T13	1 25 56	19°35'06	16°45	12°25	5°38	2°41	22° 1	12°32	4°40	1°27	29°D39	18°12	17°55	1° 6	19°34
F14	1 29 53	20°34'22	29°21	12°39	6°52	3°15	22° 0	12°37	4°38	1°29	29°39	18° 1	17°51	1°12	19°31
S15	1 33 49	21°33'40	12 ^h 15	12°47	8° 7	3°49	21°59	12°41	4°36	1°31	29°39	17°48	17°48	1°19	19°28
S16	1 37 46	22°33'00	25°26	12°R48	9°21	4°23	21°58	12°45	4°33	1°33	29°39	17°35	17°45	1°26	19°25
M17	1 41 42	23°32'22	8 ^h 52	12°41	10°36	4°57	21°58	12°49	4°31	1°35	29°39	17°22	17°42	1°32	19°22
T18	1 45 39	24°31'46	22°30	12°26	11°50	5°32	21°D58	12°53	4°28	1°37	29°39	17°12	17°39	1°39	19°20
W19	1 49 36	25°31'12	6 ^h 18	12° 3	13° 5	6° 7	21°58	12°57	4°26	1°39	29°40	17° 4	17°36	1°46	19°17
T20	1 53 32	26°30'40	20°13	11°32	14°19	6°42	21°58	13° 1	4°24	1°41	29°40	16°59	17°32	1°52	19°14
F21	1 57 29	27°30'10	4 ^h 32	10°52	15°34	7°17	21°59	13° 5	4°21	1°43	29°40	16°57	17°29	1°59	19°11
S22	2 1 25	28°29'41	18°15	10° 4	16°48	7°53	21°59	13° 9	4°19	1°46	29°40	16°D57	17°26	2° 6	19° 8
S23	2 5 22	29°29'14	2 ^h 21	9° 8	18° 3	8°29	22° 0	13°13	4°16	1°48	29°41	16°R57	17°23	2°12	19° 6
M24	2 9 18	0 ^h 28'49	16°28	8° 5	19°17	9° 5	22° 1	13°16	4°14	1°50	29°41	16°56	17°20	2°19	19° 3
T25	2 13 15	1°28'25	0 ^h 35	6°57	20°32	9°41	22° 3	13°19	4°11	1°52	29°41	16°53	17°16	2°25	19° 0
W26	2 17 11	2°28'03	14°42	5°44	21°46	10°17	22° 4	13°23	4° 9	1°54	29°42	16°48	17°13	2°32	18°57
T27	2 21 8	3°27'43	28°44	4°29	23° 1	10°54	22° 6	13°26	4° 7	1°56	29°42	16°40	17°10	2°39	18°55
F28	2 25 5	4°27'25	12 ^h Y39	3°14	24°15	11°31	22° 8	13°29	4° 4	1°57	29°42	16°29	17° 7	2°45	18°52
S29	2 29 1	5°27'08	26°23	2° 1	25°30	12° 8	22°10	13°32	4° 2	1°59	29°43	16°17	17° 4	2°52	18°49
S30	2 32 58	6°26'53	9 ^h 51	0°52	26°44	12°45	22°12	13°35	3°59	2° 1	29°43	16° 6	17° 1	2°59	18°46
M31	2 36 54	7 ^h 26'41	23 ^h 1	29°50	27 ^h 59	13°22	22°14	13°38	3 ^h 57	2 ^h 3	29°344	15°55	16°57	3 ^h 5	18°Y44

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SWISS EPHEMERIS for the year 2270

NOVEMBER 2270

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	2 40 51	8♏26°30	5♐53	28°R56	29♏13	14♏0	22♏17	13♏41	3°R54	2♏5	29♏44	15°R47	16♏54	3♏12	18°R41		
W 2	2 44 47	9°26'22	18°25	28♏12	0♏28	14°37	22°20	13°43	3♏52	2°7	29°45	15♏41	16°51	3°19	18°R39		
T 3	2 48 44	10°26'15	0♏41	27°39	1°42	15°15	22°23	13°46	3°49	2°9	29°46	15°37	16°48	3°25	18°36		
F 4	2 52 40	11°26'11	12°43	27°17	2°57	15°53	22°26	13°48	3°47	2°11	29°46	15°D36	16°45	3°32	18°33		
S 5	2 56 37	12°26'09	24°35	27°D 6	4°11	16°31	22°30	13°51	3°45	2°12	29°47	15°36	16°42	3°39	18°31		
S 6	3 0 34	13°26'09	6♏23	27°7	5°25	17°10	22°33	13°53	3°42	2°14	29°48	15°37	16°38	3°45	18°28		
M 7	3 4 30	14°26'11	18°13	27°19	6°40	17°48	22°37	13°55	3°40	2°16	29°48	15°R37	16°35	3°52	18°26		
T 8	3 8 27	15°26'15	0♏18	27°42	7°54	18°27	22°41	13°57	3°37	2°18	29°49	15°36	16°32	3°59	18°23		
W 9	3 12 23	16°26'21	12°16	28°13	9°9	19°5	22°45	13°59	3°35	2°20	29°50	15°32	16°29	4°5	18°21		
T 10	3 16 20	17°26'30	24°40	28°54	10°23	19°44	22°49	14°1	3°33	2°21	29°51	15°27	16°26	4°12	18°19		
F 11	3 20 16	18°26'40	7♏23	29°42	11°38	20°23	22°54	14°2	3°30	2°23	29°52	15°19	16°22	4°19	18°16		
S 12	3 24 13	19°26'52	20°28	0♏38	12°52	21°2	22°59	14°4	3°28	2°25	29°52	15°9	16°19	4°25	18°14		
S 13	3 28 9	20°27'07	3♏54	1°39	14°7	21°41	23°4	14°5	3°26	2°26	29°53	14°59	16°16	4°32	18°12		
M14	3 32 6	21°27'23	17°41	2°46	15°21	22°21	23°9	14°7	3°23	2°28	29°54	14°50	16°13	4°38	18°9		
T 15	3 36 3	22°27'41	1♏44	3°57	16°35	23°0	23°14	14°8	3°21	2°29	29°55	14°42	16°10	4°45	18°7		
W16	3 39 59	23°28'00	15°59	5°13	17°50	23°40	23°19	14°9	3°19	2°31	29°56	14°37	16°7	4°52	18°5		
T 17	3 43 56	24°28'22	0♏20	6°32	19°4	24°20	23°25	14°10	3°16	2°33	29°57	14°34	16°3	4°58	18°3		
F 18	3 47 52	25°28'44	14°43	7°53	20°19	24°59	23°31	14°11	3°14	2°34	29°58	14°D33	16°0	5°5	18°1		
S 19	3 51 49	26°29'09	29°3	9°17	21°33	25°39	23°37	14°12	3°12	2°36	29°59	14°33	15°57	5°12	17°58		
S 20	3 55 45	27°29'34	13♏18	10°43	22°48	26°19	23°43	14°13	3°10	2°37	0♏0	14°35	15°54	5°18	17°56		
M21	3 59 42	28°30'01	27°26	12°11	24°2	26°59	23°49	14°13	3°8	2°38	0°1	14°R35	15°51	5°25	17°54		
T 22	4 3 39	29°30'29	11♏25	13°40	25°16	27°40	23°55	14°14	3°6	2°40	0°3	14°35	15°47	5°32	17°52		
W23	4 7 35	0♏30'58	25°14	15°10	26°31	28°20	24°2	14°14	3°3	2°41	0°4	14°32	15°44	5°38	17°51		
T 24	4 11 32	1°31'28	8♏54	16°41	27°45	29°0	24°9	14°14	3°1	2°43	0°5	14°27	15°41	5°45	17°49		
F 25	4 15 28	2°32'00	22°23	18°13	28°59	29°41	24°16	14°14	2°59	2°44	0°6	14°21	15°38	5°52	17°47		
S 26	4 19 25	3°32'33	5♏40	19°45	0♏14	0♏21	24°23	14°R14	2°57	2°45	0°7	14°14	15°35	5°58	17°45		
S 27	4 23 21	4°33'07	18°44	21°18	1°28	1°2	24°30	14°14	2°55	2°46	0°9	14°7	15°32	6°5	17°43		
M28	4 27 18	5°33'43	1♏34	22°51	2°42	1°43	24°38	14°14	2°53	2°48	0°10	14°0	15°28	6°12	17°42		
T 29	4 31 14	6°34'20	14°10	24°25	3°57	2°24	24°45	14°14	2°51	2°49	0°11	13°55	15°25	6°18	17°40		
W30	4 35 11	7♏34'59	26♏32	25♏58	5♏11	3♏4	24°53	14♏13	2♏50	2♏50	0♏12	13♏52	15♏22	6♏25	17°R38		

Delta T = 10m10s

DECEMBER 2270

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	4 39 8	8♏35'39	8♏41	27♏32	6♏25	3♏45	25♏1	14°R13	2°R48	2♏51	0♏14	13°D50	15♏19	6♏32	17°R37		
F 2	4 43 4	9°36'21	20°39	29°6	7°39	4°26	25°9	14♏12	2♏46	2°52	0°15	13♏50	15°16	6°38	17°R35		
S 3	4 47 1	10°37'04	2♏30	0♏40	8°54	5°7	25°17	14°11	2°44	2°54	0°17	13°51	15°13	6°45	17°34		
S 4	4 50 57	11°37'48	14°18	2°14	10°8	5°48	25°25	14°10	2°42	2°55	0°18	13°53	15°9	6°52	17°33		
M 5	4 54 54	12°38'34	26°7	3°48	11°22	6°30	25°34	14°9	2°41	2°56	0°19	13°55	15°6	6°58	17°31		
T 6	4 58 50	13°39'21	8♏18	5°22	12°36	7°11	25°42	14°8	2°39	2°57	0°21	13°56	15°3	7°5	17°30		
W 7	5 2 47	14°40'10	20°7	6°56	13°50	7°52	25°51	14°7	2°37	2°58	0°22	13°R56	15°0	7°12	17°29		
T 8	5 6 43	15°41'00	2♏29	8°30	15°5	8°33	26°0	14°6	2°36	2°59	0°24	13°55	14°57	7°18	17°28		
F 9	5 10 40	16°41'52	15°11	10°4	16°19	9°15	26°9	14°4	2°34	2°59	0°25	13°52	14°53	7°25	17°26		
S 10	5 14 37	17°42'45	28°17	11°39	17°33	9°56	26°18	14°2	2°33	3°0	0°27	13°49	14°50	7°32	17°25		
S 11	5 18 33	18°43'39	11♏48	13°13	18°47	10°38	26°27	14°1	2°31	3°1	0°28	13°45	14°47	7°38	17°24		
M12	5 22 30	19°44'35	25°44	14°47	20°1	11°19	26°37	13°59	2°30	3°2	0°30	13°41	14°44	7°45	17°23		
T 13	5 26 26	20°45'32	10♏2	16°21	21°15	12°1	26°46	13°57	2°28	3°3	0°32	13°38	14°41	7°51	17°22		
W14	5 30 23	21°46'29	24°39	17°55	22°29	12°43	26°56	13°55	2°27	3°4	0°33	13°36	14°38	7°58	17°22		
T 15	5 34 19	22°47'28	9♏25	19°29	23°43	13°24	27°6	13°53	2°26	3°4	0°35	13°D35	14°34	8°5	17°21		
F 16	5 38 16	23°48'28	24°16	21°3	24°57	14°6	27°16	13°51	2°24	3°5	0°36	13°35	14°31	8°11	17°20		
S 17	5 42 12	24°49'28	9♏2	22°37	26°11	14°48	27°26	13°49	2°23	3°6	0°38	13°36	14°28	8°18	17°19		
S 18	5 46 9	25°50'29	23°38	24°11	27°25	15°30	27°36	13°46	2°22	3°6	0°40	13°38	14°25	8°25	17°19		
M19	5 50 6	26°51'30	8♏0	25°46	28°39	16°11	27°46	13°44	2°21	3°7	0°41	13°39	14°22	8°31	17°18		
T 20	5 54 2	27°52'31	22°4	27°20	29°53	16°53	27°57	13°41	2°20	3°7	0°43	13°R39	14°19	8°38	17°18		
W21	5 57 59	28°53'33	5♏19	28°54	1♏7	17°35	28°7	13°38	2°19	3°8	0°45	13°39	14°15	8°45	17°17		
T 22	6 1 55	29°54'36	19°51	0♏29	2°21	18°17	28°18	13°36	2°18	3°8	0°47	13°39	14°12	8°51	17°17		
F 23	6 5 52	0♏55'38	2♏31	2°4	3°35	18°59	28°28	13°33	2°17	3°9	0°48	13°37	14°9	8°58	17°16		
S 24	6 9 48	1°56'42	15°27	3°39	4°49	19°41	28°39	13°30	2°16	3°9	0°50	13°36	14°6	9°5	17°16		
S 25	6 13 45	2°57'45	28°9	5°14	6°3	20°23	28°50	13°27	2°15	3°10	0°52	13°34	14°3	9°11	17°16		
M26	6 17 41	3°58'49	10♏38	6°49	7°16	21°5	29°1	13°24	2°14	3°10	0°54	13°33	13°59	9°18	17°16		
T 27	6 21 38	4°59'54	22°56	8°25	8°30	21°47	29°12	13°20	2°13	3°10	0°55	13°32	13°56	9°25	17°16		
W28	6 25 35	6°0'59	5♏4	10°1	9°44	22°29	29°24	13°17	2°13	3°10	0°57	13°31	13°53	9°31	17°D15		
T 29	6 29 31	7°2'04	17°4	11°37	10°57	23°11	29°35	13°14	2°12	3°11	0°59	13°D31	13°50	9°38	17°15		
F 30	6 33 28	8°3'10	28°58	13°13	12°11	23°54	29°46	13°10	2°11	3°11	1°1	13°31	13°47	9°45	17°16		
S 31	6 37 24	9♏4'16	10♏47	14♏49	13♏24	24♏36	29°58	13♏7	2♏11	3♏11	1♏3	13♏32	13♏44	9♏51	17°R16		

Delta T = 10m10s

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