

SWISS EPHEMERIS for the year 1175

JANUARY 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	7 6 49	17 ³ 19'56	8 ^Y 42	24 ⁷ 25	5 ⁷ 29	29 ^R 32	15 ⁴ 44	26 ^Y 31	2 ^Y 9	19 ³ 49	24 ^R 1	2 ^R 26	1 ⁷ 8	24 ^W 48	18 ³ 55
T 2	7 10 46	18 ⁰ 21'01	22 ⁰ 46	24 ⁰ 56	6 ⁴ 40	29 ^Q 26	15 ⁰ 49	26 ⁰ 32	2 ⁰ 10	19 ⁰ 51	24 ^{II} 0	2 ⁰ D26	1 ⁰ 5	24 ⁰ 55	19 ⁰ 0
F 3	7 14 42	19 ⁰ 22'05	6 ⁸ 39	25 ⁰ 33	7 ⁰ 51	29 ⁰ 19	15 ⁰ 53	26 ⁰ 33	2 ⁰ 12	19 ⁰ 54	23 ⁰ 59	2 ⁰ 27	1 ⁰ 2	25 ⁰ 2	19 ⁰ 6
S 4	7 18 39	20 ⁰ 23'08	20 ⁰ 20	26 ⁰ 14	9 ⁰ 3	29 ⁰ 11	15 ⁰ 57	26 ⁰ 34	2 ⁰ 13	19 ⁰ 56	23 ⁰ 58	2 ⁰ 28	0 ⁰ 59	25 ⁰ 9	19 ⁰ 11
S 5	7 22 35	21 ⁰ 24'10	3 ^{II} 49	27 ⁰ 0	10 ⁰ 14	29 ⁰ 3	16 ⁰ 0	26 ⁰ 36	2 ⁰ 15	19 ⁰ 58	23 ⁰ 57	2 ^R 29	0 ⁰ 56	25 ⁰ 15	19 ⁰ 16
M 6	7 26 32	22 ⁰ 25'11	17 ⁰ 7	27 ⁰ 49	11 ⁰ 25	28 ⁰ 53	16 ⁰ 4	26 ⁰ 37	2 ⁰ 16	20 ⁰ 1	23 ⁰ 56	2 ⁰ 28	0 ⁰ 52	25 ⁰ 22	19 ⁰ 22
T 7	7 30 29	23 ⁰ 26'12	0 ³ 15	28 ⁰ 43	12 ⁰ 37	28 ⁰ 43	16 ⁰ 7	26 ⁰ 39	2 ⁰ 18	20 ⁰ 3	23 ⁰ 55	2 ⁰ 24	0 ⁰ 49	25 ⁰ 29	19 ⁰ 27
W 8	7 34 25	24 ⁰ 27'11	13 ⁰ 11	29 ⁰ 40	13 ⁰ 49	28 ⁰ 32	16 ⁰ 10	26 ⁰ 41	2 ⁰ 20	20 ⁰ 5	23 ⁰ 54	2 ⁰ 18	0 ⁰ 46	25 ⁰ 35	19 ⁰ 32
T 9	7 38 22	25 ⁰ 28'09	25 ⁰ 55	0 ³ 40	15 ⁰ 0	28 ⁰ 20	16 ⁰ 13	26 ⁰ 43	2 ⁰ 21	20 ⁰ 7	23 ⁰ 53	2 ⁰ 10	0 ⁰ 43	25 ⁰ 42	19 ⁰ 37
F 10	7 42 18	26 ⁰ 29'06	8 ^Q 28	1 ⁴ 2	16 ⁰ 12	28 ⁰ 8	16 ⁰ 16	26 ⁰ 45	2 ⁰ 23	20 ⁰ 10	23 ⁰ 52	2 ⁰ 0	0 ⁰ 40	25 ⁰ 49	19 ⁰ 43
S 11	7 46 15	27 ⁰ 30'02	20 ⁰ 50	2 ⁴ 7	17 ⁰ 24	27 ⁰ 55	16 ⁰ 19	26 ⁰ 47	2 ⁰ 25	20 ⁰ 12	23 ⁰ 51	1 ⁴ 9	0 ⁰ 36	25 ⁰ 56	19 ⁰ 48
S 12	7 50 11	28 ⁰ 30'57	3 ^W 0	3 ⁰ 55	18 ⁰ 36	27 ⁰ 41	16 ⁰ 21	26 ⁰ 49	2 ⁰ 27	20 ⁰ 14	23 ⁰ 50	1 ⁰ 38	0 ⁰ 33	26 ⁰ 2	19 ⁰ 53
M13	7 54 8	29 ⁰ 31'51	15 ⁰ 0	5 ⁰ 4	19 ⁰ 48	27 ⁰ 26	16 ⁰ 24	26 ⁰ 52	2 ⁰ 29	20 ⁰ 16	23 ⁰ 49	1 ⁰ 28	0 ⁰ 30	26 ⁰ 9	19 ⁰ 58
T 14	7 58 4	0 ³ 32'44	26 ⁰ 54	6 ⁰ 16	21 ⁰ 0	27 ⁰ 10	16 ⁰ 26	26 ⁰ 54	2 ⁰ 31	20 ⁰ 19	23 ⁰ 48	1 ⁰ 21	0 ⁰ 27	26 ⁰ 16	20 ⁰ 4
W15	8 2 1	1 ⁰ 33'36	8 ^Q 45	7 ⁰ 29	22 ⁰ 12	26 ⁰ 54	16 ⁰ 28	26 ⁰ 57	2 ⁰ 33	20 ⁰ 21	23 ⁰ 47	1 ⁰ 15	0 ⁰ 24	26 ⁰ 22	20 ⁰ 9
T 16	8 5 58	2 ⁰ 34'27	20 ⁰ 36	8 ⁰ 44	23 ⁰ 24	26 ⁰ 37	16 ⁰ 29	27 ⁰ 0	2 ⁰ 35	20 ⁰ 23	23 ⁰ 46	1 ⁰ 12	0 ⁰ 21	26 ⁰ 29	20 ⁰ 14
F 17	8 9 54	3 ⁰ 35'18	2 ^W 32	10 ⁰ 1	24 ⁰ 36	26 ⁰ 20	16 ⁰ 31	27 ⁰ 2	2 ⁰ 37	20 ⁰ 25	23 ⁰ 45	1 ⁰ D11	0 ⁰ 17	26 ⁰ 36	20 ⁰ 19
S 18	8 13 51	4 ⁰ 36'07	14 ⁰ 40	11 ⁰ 18	25 ⁰ 48	26 ⁰ 1	16 ⁰ 32	27 ⁰ 5	2 ⁰ 39	20 ⁰ 28	23 ⁰ 44	1 ⁰ 12	0 ⁰ 14	26 ⁰ 42	20 ⁰ 25
S 19	8 17 47	5 ⁰ 36'55	27 ⁰ 4	12 ⁰ 38	27 ⁰ 1	25 ⁰ 43	16 ⁰ 34	27 ⁰ 8	2 ⁰ 41	20 ⁰ 30	23 ⁰ 43	1 ⁰ R12	0 ⁰ 11	26 ⁰ 49	20 ⁰ 30
M20	8 21 44	6 ⁰ 37'43	9 ⁷ 49	13 ⁰ 58	28 ⁰ 13	25 ⁰ 23	16 ⁰ 35	27 ⁰ 11	2 ⁰ 44	20 ⁰ 32	23 ⁰ 42	1 ⁰ 12	0 ⁰ 8	26 ⁰ 56	20 ⁰ 35
T 21	8 25 40	7 ⁰ 38'29	22 ⁰ 59	15 ⁰ 20	29 ⁰ 26	25 ⁰ 3	16 ⁰ 35	27 ⁰ 14	2 ⁰ 46	20 ⁰ 34	23 ⁰ 41	1 ⁰ 10	0 ⁰ 5	27 ⁰ 3	20 ⁰ 40
W22	8 29 37	8 ⁰ 39'15	6 ³ 36	16 ⁰ 43	0 ³ 38	24 ⁰ 43	16 ⁰ 36	27 ⁰ 18	2 ⁰ 48	20 ⁰ 36	23 ⁰ 41	1 ⁰ 5	0 ⁰ 2	27 ⁰ 9	20 ⁰ 45
T 23	8 33 33	9 ⁰ 39'59	20 ⁰ 41	18 ⁰ 7	1 ⁰ 50	24 ⁰ 22	16 ⁰ 36	27 ⁰ 21	2 ⁰ 50	20 ⁰ 39	23 ⁰ 40	0 ⁰ 58	29 ^W 58	27 ⁰ 16	20 ⁰ 50
F 24	8 37 30	10 ⁰ 40'41	5 ^W 10	19 ⁰ 32	3 ⁰ 3	24 ⁰ 0	16 ⁰ 37	27 ⁰ 25	2 ⁰ 53	20 ⁰ 41	23 ⁰ 39	0 ⁰ 48	29 ⁰ 55	27 ⁰ 23	20 ⁰ 55
S 25	8 41 27	11 ⁰ 41'23	19 ⁰ 57	20 ⁰ 58	4 ⁰ 16	23 ⁰ 38	16 ^R 37	27 ⁰ 28	2 ⁰ 55	20 ⁰ 43	23 ⁰ 38	0 ⁰ 37	29 ⁰ 52	27 ⁰ 29	21 ⁰ 0
S 26	8 45 23	12 ⁰ 42'02	4 ^X 53	22 ⁰ 26	5 ⁰ 28	23 ⁰ 16	16 ⁰ 37	27 ⁰ 32	2 ⁰ 58	20 ⁰ 45	23 ⁰ 37	0 ⁰ 26	29 ⁰ 49	27 ⁰ 36	21 ⁰ 5
M27	8 49 20	13 ⁰ 42'40	19 ⁰ 49	23 ⁰ 54	6 ⁰ 41	22 ⁰ 53	16 ⁰ 36	27 ⁰ 36	3 ⁰ 0	20 ⁰ 47	23 ⁰ 37	0 ⁰ 16	29 ⁰ 46	27 ⁰ 43	21 ⁰ 10
T 28	8 53 16	14 ⁰ 43'17	4 ^Y 37	25 ⁰ 23	7 ⁰ 53	22 ⁰ 30	16 ⁰ 36	27 ⁰ 40	3 ⁰ 3	20 ⁰ 49	23 ⁰ 36	0 ⁰ 9	29 ⁰ 42	27 ⁰ 50	21 ⁰ 15
W29	8 57 13	15 ⁰ 43'51	19 ⁰ 9	26 ⁰ 53	9 ⁰ 6	22 ⁰ 7	16 ⁰ 35	27 ⁰ 44	3 ⁰ 5	20 ⁰ 52	23 ⁰ 35	0 ⁰ 4	29 ⁰ 39	27 ⁰ 56	21 ⁰ 20
T 30	9 1 9	16 ⁰ 44'24	3 ⁸ 22	28 ⁰ 24	10 ⁰ 19	21 ⁰ 43	16 ⁰ 34	27 ⁰ 48	3 ⁰ 8	20 ⁰ 54	23 ⁰ 35	0 ⁰ 1	29 ⁰ 36	28 ⁰ 3	21 ⁰ 25
F 31	9 5 6	17 ⁰ 44'54	17 ⁸ 15	29 ⁰ 56	11 ⁰ 32	21 ⁰ 20	16 ⁰ 33	27 ⁰ 52	3 ⁰ 10	20 ⁰ 56	23 ⁰ 34	0 ⁰ D 1	29 ^W 33	28 ^W 10	21 ⁰ 30

Delta T = 13m30s Julian Calendar 1 Jan. 1175 == Greg. Calendar 8 Jan. 1175

FEBRUARY 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	9 9 2	18 ⁰ 45'23	0 ^{II} 48	1 ^W 29	12 ³ 44	20 ^R 56	16 ^R 32	27 ^Y 56	3 ^Y 13	20 ³ 58	23 ^R 33	0 ^R 1	29 ^W 30	28 ^W 16	21 ³ 35
S 2	9 12 59	19 ⁰ 45'50	14 ⁰ 4	3 ⁰ 3	13 ⁰ 57	20 ^Q 32	16 ^Q 30	28 ⁰ 0	3 ⁰ 16	21 ⁰ 0	23 ^{II} 33	0 ⁷ 0	29 ⁰ 27	28 ⁰ 23	21 ⁰ 40
M 3	9 16 56	20 ⁰ 46'15	27 ⁰ 5	4 ⁰ 38	15 ⁰ 10	20 ⁰ 8	16 ⁰ 28	28 ⁰ 5	3 ⁰ 18	21 ⁰ 2	23 ⁰ 32	29 ^W 58	29 ⁰ 23	28 ⁰ 30	21 ⁰ 45
T 4	9 20 52	21 ⁰ 46'39	9 ³ 52	6 ⁰ 14	16 ⁰ 23	19 ⁰ 44	16 ⁰ 27	28 ⁰ 9	3 ⁰ 21	21 ⁰ 4	23 ⁰ 32	29 ⁰ 53	29 ⁰ 20	28 ⁰ 37	21 ⁰ 49
W 5	9 24 49	22 ⁰ 47'00	22 ⁰ 29	7 ⁰ 51	17 ⁰ 36	19 ⁰ 21	16 ⁰ 25	28 ⁰ 14	3 ⁰ 24	21 ⁰ 6	23 ⁰ 31	29 ⁰ 45	29 ⁰ 17	28 ⁰ 43	21 ⁰ 54
T 6	9 28 45	23 ⁰ 47'19	4 ^Q 56	9 ⁰ 29	18 ⁰ 49	18 ⁰ 57	16 ⁰ 22	28 ⁰ 19	3 ⁰ 27	21 ⁰ 8	23 ⁰ 30	29 ⁰ 33	29 ⁰ 14	28 ⁰ 50	21 ⁰ 59
F 7	9 32 42	24 ⁰ 47'36	17 ⁰ 14	11 ⁰ 7	20 ⁰ 2	18 ⁰ 33	16 ⁰ 20	28 ⁰ 23	3 ⁰ 30	21 ⁰ 10	23 ⁰ 30	29 ⁰ 20	29 ⁰ 11	28 ⁰ 57	22 ⁰ 4
S 8	9 36 38	25 ⁰ 47'52	29 ⁰ 24	12 ⁰ 47	21 ⁰ 14	18 ⁰ 10	16 ⁰ 17	28 ⁰ 28	3 ⁰ 32	21 ⁰ 12	23 ⁰ 29	29 ⁰ 5	29 ⁰ 8	29 ⁰ 3	22 ⁰ 8
S 9	9 40 35	26 ⁰ 48'06	11 ^W 26	14 ⁰ 28	22 ⁰ 27	17 ⁰ 47	16 ⁰ 15	28 ⁰ 33	3 ⁰ 35	21 ⁰ 14	23 ⁰ 29	28 ⁰ 51	29 ⁰ 4	29 ⁰ 10	22 ⁰ 13
M10	9 44 31	27 ⁰ 48'18	23 ⁰ 23	16 ⁰ 10	23 ⁰ 40	17 ⁰ 24	16 ⁰ 12	28 ⁰ 38	3 ⁰ 38	21 ⁰ 16	23 ⁰ 29	28 ⁰ 38	29 ⁰ 1	29 ⁰ 17	22 ⁰ 17
T 11	9 48 28	28 ⁰ 48'28	5 ^Q 15	17 ⁰ 52	24 ⁰ 53	17 ⁰ 1	16 ⁰ 8	28 ⁰ 43	3 ⁰ 41	21 ⁰ 18	23 ⁰ 28	28 ⁰ 27	28 ⁰ 58	29 ⁰ 23	22 ⁰ 22
W12	9 52 25	29 ⁰ 48'36	17 ⁰ 4	19 ⁰ 36	26 ⁰ 7	16 ⁰ 39	16 ⁰ 5	28 ⁰ 48	3 ⁰ 44	21 ⁰ 20	23 ⁰ 28	28 ⁰ 18	28 ⁰ 55	29 ⁰ 30	22 ⁰ 26
T 13	9 56 21	0 ^X 48'43	28 ⁰ 54	21 ⁰ 21	27 ⁰ 20	16 ⁰ 17	16 ⁰ 2	28 ⁰ 54	3 ⁰ 47	21 ⁰ 21	23 ⁰ 27	28 ⁰ 13	28 ⁰ 52	29 ⁰ 37	22 ⁰ 31
F 14	10 0 18	1 ⁴ 8'49	10 ^W 50	23 ⁰ 7	28 ⁰ 33	15 ⁰ 56	15 ⁰ 58	28 ⁰ 59	3 ⁰ 50	21 ⁰ 23	23 ⁰ 27	28 ⁰ 10	28 ⁰ 48	29 ⁰ 44	22 ⁰ 35
S 15	10 4 14	2 ⁰ 48'52	22 ⁰ 55	24 ⁰ 54	29 ⁰ 46	15 ⁰ 35	15 ⁰ 54	29 ⁰ 4	3 ⁰ 53	21 ⁰ 25	23 ⁰ 27	28 ⁰ 10	28 ⁰ 45	29 ⁰ 50	22 ⁰ 40
S 16	10 8 11	3 ⁰ 48'54	5 ⁷ 15	26 ⁰ 43	0 ^W 59	15 ⁰ 15	15 ⁰ 50	29 ⁰ 10	3 ⁰ 56	21 ⁰ 27	23 ⁰ 26	28 ⁰ 9	28 ⁰ 42	29 ⁰ 57	22 ⁰ 44
M17	10 12 7	4 ⁰ 48'55	17 ⁰ 55	28 ⁰ 32	2 ⁰ 12										

SWISS EPHEMERIS for the year 1175

MARCH 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	10 59 26	16X46'34	10II46	21X43	16~51	11°R46	14°R44	0827	4Y38	21348	23II24	26°R57	28M 1	1~24	23336
S 2	11 3 23	17°46'08	24° 1	23°43	18° 4	11°R36	14~38	0°33	4°41	21°50	23°24	26M57	27°58	1°31	23°40
M 3	11 7 19	18°45'40	6356	25°44	19°18	11°25	14°32	0°40	4°44	21°51	23°24	26°56	27°54	1°37	23°43
T 4	11 11 16	19°45'09	19°34	27°44	20°31	11°16	14°26	0°46	4°48	21°53	23°24	26°52	27°51	1°44	23°47
W 5	11 15 12	20°44'36	1~59	29°44	21°44	11° 8	14°19	0°53	4°51	21°54	23°24	26°46	27°48	1°51	23°50
T 6	11 19 9	21°44'01	14°13	1Y43	22°57	11° 0	14°13	0°59	4°55	21°56	23°25	26°37	27°45	1°58	23°54
F 7	11 23 5	22°43'24	26°20	3°41	24°11	10°53	14° 6	1° 6	4°58	21°57	23°25	26°26	27°42	2° 4	23°57
S 8	11 27 2	23°42'44	8~20	5°38	25°24	10°47	13°59	1°13	5° 1	21°58	23°25	26°14	27°39	2°11	24° 1
S 9	11 30 58	24°42'02	20°15	7°33	26°37	10°41	13°52	1°19	5° 5	22° 0	23°25	26° 1	27°35	2°18	24° 4
M10	11 34 55	25°41'18	2~7	9°25	27°51	10°37	13°46	1°26	5° 8	22° 1	23°25	25°50	27°32	2°24	24° 7
T 11	11 38 51	26°40'32	13°58	11°15	29° 4	10°33	13°39	1°33	5°11	22° 2	23°25	25°41	27°29	2°31	24°10
W12	11 42 48	27°39'44	25°48	13° 1	0X17	10°30	13°31	1°40	5°15	22° 3	23°26	25°35	27°26	2°38	24°13
T 13	11 46 45	28°38'54	7~41	14°45	1°31	10°27	13°24	1°47	5°18	22° 4	23°26	25°30	27°23	2°44	24°16
F 14	11 50 41	29°38'02	19°40	16°24	2°44	10°26	13°17	1°54	5°22	22° 6	23°26	25°29	27°19	2°51	24°19
S 15	11 54 38	0Y37'08	1~47	17°59	3°58	10°25	13°10	2° 1	5°25	22° 7	23°27	25°D29	27°16	2°58	24°22
S 16	11 58 34	1°36'13	14° 8	19°29	5°11	10°D25	13° 2	2° 8	5°29	22° 8	23°27	25°29	27°13	3° 5	24°25
M17	12 2 31	2°35'16	26°47	20°55	6°24	10°26	12°55	2°15	5°32	22° 9	23°27	25°R30	27°10	3°11	24°28
T 18	12 6 27	3°34'16	9348	22°16	7°38	10°27	12°47	2°22	5°35	22°10	23°28	25°30	27° 7	3°18	24°31
W19	12 10 24	4°33'16	23°14	23°31	8°51	10°29	12°40	2°29	5°39	22°11	23°28	25°29	27° 4	3°25	24°33
T 20	12 14 20	5°32'13	7~10	24°40	10° 5	10°32	12°32	2°36	5°42	22°12	23°28	25°25	27° 0	3°31	24°36
F 21	12 18 17	6°31'08	21°34	25°44	11°18	10°35	12°25	2°44	5°46	22°13	23°29	25°19	26°57	3°38	24°38
S 22	12 22 14	7°30'02	6X22	26°41	12°31	10°40	12°17	2°51	5°49	22°14	23°29	25°13	26°54	3°45	24°41
S 23	12 26 10	8°28'54	21°30	27°33	13°45	10°44	12°10	2°58	5°53	22°14	23°30	25° 5	26°51	3°51	24°43
M24	12 30 7	9°27'44	6Y46	28°18	14°58	10°50	12° 2	3° 6	5°56	22°15	23°30	24°59	26°48	3°58	24°46
T 25	12 34 3	10°26'31	22° 1	28°57	16°12	10°56	11°54	3°13	5°59	22°16	23°31	24°53	26°45	4° 5	24°48
W26	12 38 0	11°25'17	7~4	29°30	17°25	11° 3	11°46	3°20	6° 3	22°17	23°31	24°50	26°41	4°11	24°50
T 27	12 41 56	12°24'01	21° 4	29°56	18°38	11°10	11°39	3°28	6° 6	22°18	23°32	24°D49	26°38	4°18	24°52
F 28	12 45 53	13°22'42	6II 3	0816	19°52	11°18	11°31	3°35	6°10	22°18	23°33	24°49	26°35	4°25	24°54
S 29	12 49 49	14°21'21	19°52	0°30	21° 5	11°27	11°23	3°43	6°13	22°19	23°33	24°51	26°32	4°32	24°56
S 30	12 53 46	15°19'58	3515	0°37	22°19	11°37	11°16	3°50	6°17	22°20	23°34	24°52	26°29	4°38	24°58
M31	12 57 43	16Y18'33	16~14	0°R38	23X32	11°D46	11~8	3858	6Y20	22320	23II35	24°R53	26M25	4~45	2530

Delta T = 13m29s Julian Calendar 1 March 1175 == Greg. Calendar 8 March 1175

APRIL 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	13 1 39	17Y17'06	2852	0°R34	24X45	11°R57	11°R 0	48 5	6Y23	22321	23II35	24°R52	26M22	4~52	2532 2
W 2	13 5 36	18°15'36	11~13	0823	25°59	12° 8	10~53	4°13	6°27	22°21	23°36	24M49	26°19	4°58	25° 4
T 3	13 9 32	19°14'04	23°22	0° 8	27°12	12°20	10°45	4°21	6°30	22°22	23°37	24°46	26°16	5° 5	25° 5
F 4	13 13 29	20°12'30	5~22	29Y47	28°26	12°32	10°38	4°28	6°33	22°22	23°37	24°40	26°13	5°12	25° 7
S 5	13 17 25	21°10'53	17°16	29°22	29°39	12°44	10°30	4°36	6°37	22°23	23°38	24°34	26°10	5°18	25° 8
S 6	13 21 22	22° 9'15	29° 7	28°53	0Y52	12°58	10°23	4°43	6°40	22°23	23°39	24°28	26° 6	5°25	25°10
M 7	13 25 18	23° 7'35	10~58	28°21	2° 6	13°11	10°15	4°51	6°43	22°24	23°40	24°23	26° 3	5°32	25°11
T 8	13 29 15	24° 5'52	22°49	27°45	3°19	13°25	10° 8	4°59	6°47	22°24	23°41	24°19	26° 0	5°38	25°12
W 9	13 33 11	25° 4'08	4~44	27° 8	4°33	13°40	10° 1	5° 7	6°50	22°24	23°41	24°16	25°57	5°45	25°14
T 10	13 37 8	26° 2'23	16°44	26°29	5°46	13°55	9°54	5°14	6°53	22°25	23°42	24°14	25°54	5°52	25°15
F 11	13 41 5	27° 0'35	28°52	25°50	6°59	14°11	9°47	5°22	6°57	22°25	23°43	24°D14	25°50	5°59	25°16
S 12	13 45 1	27°58'46	11~9	25°11	8°13	14°27	9°40	5°30	7° 0	22°25	23°44	24°15	25°47	6° 5	25°17
S 13	13 48 58	28°56'55	23°38	24°32	9°26	14°44	9°33	5°37	7° 3	22°25	23°45	24°16	25°44	6°12	25°18
M14	13 52 54	29°55'03	6323	23°55	10°40	15° 0	9°26	5°45	7° 6	22°25	23°46	24°18	25°41	6°19	25°19
T 15	13 56 51	0853'10	19°26	23°20	11°53	15°18	9°19	5°53	7°10	22°26	23°47	24°19	25°38	6°25	25°19
W16	14 0 47	1°51'15	2~50	22°47	13° 7	15°36	9°12	6° 1	7°13	22°26	23°48	24°R19	25°35	6°32	25°20
T 17	14 4 44	2°49'18	16°38	22°18	14°20	15°54	9° 6	6° 8	7°16	22°26	23°49	24°19	25°31	6°39	25°21
F 18	14 8 40	3°47'20	0X49	21°52	15°33	16°13	8°59	6°16	7°19	22°R26	23°50	24°17	25°28	6°45	25°21
S 19	14 12 37	4°45'21	15°21	21°29	16°47	16°32	8°53	6°24	7°22	22°26	23°51	24°15	25°25	6°52	25°22
S 20	14 16 34	5°43'20	0Y12	21°11	18° 0	16°51	8°47	6°32	7°26	22°26	23°52	24°13	25°22	6°59	25°22
M21	14 20 30	6°41'18	15°13	20°58	19°14	17°11	8°41	6°40	7°29	22°26	23°53	24°11	25°19	7° 5	25°22
T 22	14 24 27	7°39'14	0816	20°48	20°27	17°31	8°35	6°47	7°32	22°26	23°54	24° 9	25°16	7°12	25°23
W23	14 28 23	8°37'09	15°14	20°D44	21°40	17°52	8°29	6°55	7°35	22°25	23°55	24° 8	25°12	7°19	25°23
T 24	14 32 20	9°35'02	29°56	20°44	22°54	18°13	8°23	7° 3	7°38	22°25	23°56	24°D 8	25° 9	7°26	25°23
F 25	14 36 16	10°32'54	14II17	20°48	24° 7	18°34	8°17	7°11	7°41	22°25	23°57	24° 9	25° 6	7°32	25°R23
S 26	14 40 13	11°30'44	28°14	20°58	25°21	18°56	8°12	7°19	7°44	22°25	23°58	24°10	25° 3	7°39	25°23
S 27	14 44 9	12°28'32	11~44	21°11	26°34	19°17	8° 7	7°26	7°47	22°25	23°59	24°11	25° 0	7°46	25°23
M28	14 48 6	13°26'19	24°49	21°30	27°48	19°40	8° 1	7°34	7°50	22°24	24° 1	24°11	24°56	7°52	25°23
T 29	14 52 3	14°24'04	7~32	21°52	29° 1	20° 2	7°56	7°42	7°53	22°24	24° 2	24°12	24°53	7°59	25°23
W30	14 55 59	15~21'47	19~55	22Y19	0814	20~25	7~52	7850	7Y56	22324	24II 3	24°R12	24M50	8~6	25322

Delta T = 13m29s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1175

MAY 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	14 59 56	16♈19°29	2♊4	22♃50	1♁28	20♂49	7°R47	7♄57	7♃58	22°R23	24♊4	24°R12	24♌47	8♌12	25°R22								
F 2	15 3 52	17°17'08	14° 2	23°25	2°41	21°12	7♄42	8° 5	8° 1	22♃23	24° 5	24♌11	24°44	8°19	25♃21								
S 3	15 7 49	18°14'47	25°55	24° 4	3°55	21°36	7°38	8°13	8° 4	22°22	24° 7	24°10	24°41	8°26	25°21								
S 4	15 11 45	19°12'24	7♄45	24°47	5° 8	22° 0	7°34	8°20	8° 7	22°22	24° 8	24°10	24°37	8°32	25°20								
M 5	15 15 42	20° 9'59	19°36	25°34	6°22	22°25	7°29	8°28	8°10	22°21	24° 9	24° 9	24°34	8°39	25°19								
T 6	15 19 38	21° 7'33	1♌31	26°24	7°35	22°49	7°25	8°36	8°12	22°21	24°10	24° 9	24°31	8°46	25°19								
W 7	15 23 35	22° 5'06	13°33	27°17	8°48	23°14	7°22	8°43	8°15	22°20	24°12	24° 8	24°28	8°52	25°18								
T 8	15 27 32	23° 2'37	25°44	28°14	10° 2	23°40	7°18	8°51	8°18	22°20	24°13	24°D 8	24°25	8°59	25°17								
F 9	15 31 28	24° 0'07	8♁ 5	29°14	11°15	24° 5	7°15	8°59	8°20	22°19	24°14	24°R 8	24°22	9° 6	25°16								
S 10	15 35 25	24°57'37	20°38	0♁18	12°29	24°31	7°11	9° 6	8°23	22°18	24°16	24° 8	24°18	9°13	25°15								
S 11	15 39 21	25°55'05	3♃24	1°24	13°42	24°57	7° 8	9°14	8°26	22°18	24°17	24° 8	24°15	9°19	25°14								
M12	15 43 18	26°52'33	16°24	2°34	14°56	25°23	7° 5	9°21	8°28	22°17	24°18	24° 8	24°12	9°26	25°13								
T 13	15 47 14	27°49'59	29°40	3°46	16° 9	25°50	7° 2	9°29	8°31	22°16	24°19	24° 8	24° 9	9°33	25°11								
W14	15 51 11	28°47'25	13♁11	5° 2	17°22	26°17	7° 0	9°36	8°33	22°15	24°21	24° 7	24° 6	9°39	25°10								
T 15	15 55 7	29°44'50	26°58	6°20	18°36	26°44	6°57	9°44	8°36	22°15	24°22	24°D 7	24° 2	9°46	25° 9								
F 16	15 59 4	0♂42'14	11♁ 1	7°41	19°49	27°11	6°55	9°51	8°38	22°14	24°24	24° 7	23°59	9°53	25° 7								
S 17	16 3 1	1°39'38	25°19	9° 5	21° 3	27°38	6°53	9°59	8°40	22°13	24°25	24° 8	23°56	9°59	25° 6								
S 18	16 6 57	2°37'01	9♃48	10°32	22°16	28° 6	6°51	10° 6	8°43	22°12	24°26	24° 8	23°53	10° 6	25° 4								
M19	16 10 54	3°34'23	24°26	12° 1	23°30	28°34	6°49	10°14	8°45	22°11	24°28	24° 9	23°50	10°13	25° 3								
T 20	16 14 50	4°31'45	9♁ 7	13°34	24°43	29° 2	6°48	10°21	8°47	22°10	24°29	24°10	23°47	10°19	25° 1								
W21	16 18 47	5°29'06	23°44	15° 9	25°57	29°30	6°46	10°28	8°50	22° 9	24°31	24°R10	23°43	10°26	24°59								
T 22	16 22 43	6°26'27	8♂12	16°46	27°10	29°59	6°45	10°36	8°52	22° 8	24°32	24°10	23°40	10°33	24°57								
F 23	16 26 40	7°23'47	22°25	18°26	28°24	0♂28	6°44	10°43	8°54	22° 7	24°33	24° 9	23°37	10°39	24°55								
S 24	16 30 36	8°21'06	6♁18	20° 9	29°37	0°57	6°43	10°50	8°56	22° 6	24°35	24° 7	23°34	10°46	24°54								
S 25	16 34 33	9°18'24	19°48	21°55	0♂51	1°26	6°43	10°57	8°58	22° 5	24°36	24° 5	23°31	10°53	24°52								
M26	16 38 30	10°15'41	2♂56	23°43	2° 4	1°55	6°42	11° 4	9° 0	22° 4	24°38	24° 3	23°28	10°59	24°49								
T 27	16 42 26	11°12'57	15°41	25°34	3°18	2°25	6°42	11°12	9° 2	22° 3	24°39	24° 1	23°24	11° 6	24°47								
W28	16 46 23	12°10'13	28° 8	27°27	4°31	2°55	6°D42	11°19	9° 4	22° 2	24°41	24° 0	23°21	11°13	24°45								
T 29	16 50 19	13° 7'27	10♂18	29°23	5°45	3°25	6°42	11°26	9° 6	22° 1	24°42	23°D59	23°18	11°19	24°43								
F 30	16 54 16	14° 4'41	22°17	1♂21	6°59	3°55	6°42	11°33	9° 8	21°59	24°43	23°59	23°15	11°26	24°41								
S 31	16 58 12	15♂1'54	4♁10	3♂21	8♂12	4♂25	6♁43	11♂40	9♃10	21♃58	24♂45	24♌0	23♌12	11♁33	24♃38								

Delta T = 13m29s Julian Calendar 1 May 1175 == Greg. Calendar 8 May 1175

JUNE 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	17 2 9	15♂59'07	16♁0	5♂23	9♂26	4♂56	6♁43	11♂47	9♃12	21°R57	24♂46	24♌2	23♌8	11♁40	24°R36								
M 2	17 6 5	16°56'18	27°53	7°27	10°39	5°26	6°44	11°53	9°13	21♃56	24°48	24° 4	23° 5	11°46	24♃33								
T 3	17 10 2	17°53'29	9♌53	9°33	11°53	5°57	6°45	12° 0	9°15	21°54	24°49	24° 5	23° 2	11°53	24°31								
W 4	17 13 59	18°50'40	22° 2	11°41	13° 6	6°28	6°46	12° 7	9°17	21°53	24°51	24°R 6	22°59	12° 0	24°28								
T 5	17 17 55	19°47'50	4♁25	13°50	14°20	6°59	6°48	12°14	9°18	21°52	24°52	24° 5	22°56	12° 6	24°26								
F 6	17 21 52	20°45'00	17° 2	15°59	15°33	7°31	6°49	12°21	9°20	21°51	24°54	24° 4	22°53	12°13	24°23								
S 7	17 25 48	21°42'09	29°55	18°10	16°47	8° 2	6°51	12°27	9°22	21°49	24°55	24° 1	22°49	12°20	24°20								
S 8	17 29 45	22°39'19	13♃3	20°21	18° 1	8°34	6°53	12°34	9°23	21°48	24°57	23°57	22°46	12°26	24°18								
M 9	17 33 41	23°36'28	26°26	22°32	19°14	9° 6	6°55	12°40	9°25	21°47	24°58	23°52	22°43	12°33	24°15								
T 10	17 37 38	24°33'37	10♁3	24°43	20°28	9°38	6°57	12°47	9°26	21°45	25° 0	23°48	22°40	12°40	24°12								
W11	17 41 35	25°30'46	23°50	26°53	21°42	10°10	6°59	12°53	9°27	21°44	25° 1	23°44	22°37	12°46	24° 9								
T 12	17 45 31	26°27'55	7♁47	29° 3	22°55	10°42	7° 2	13° 0	9°29	21°42	25° 3	23°41	22°34	12°53	24° 6								
F 13	17 49 28	27°25'05	21°52	1♁12	24° 9	11°14	7° 5	13° 6	9°30	21°41	25° 4	23°D40	22°30	13° 0	24° 3								
S 14	17 53 24	28°22'15	6♃ 2	3°20	25°23	11°47	7° 8	13°12	9°31	21°39	25° 6	23°40	22°27	13° 6	24° 0								
S 15	17 57 21	29°19'25	20°16	5°27	26°36	12°20	7°11	13°19	9°32	21°38	25° 7	23°41	22°24	13°13	23°57								
M16	18 1 17	0♁16'35	4♁32	7°33	27°50	12°53	7°14	13°25	9°33	21°36	25° 9	23°43	22°21	13°20	23°54								
T 17	18 5 14	1°13'46	18°48	9°36	29° 4	13°26	7°17	13°31	9°35	21°35	25°10	23°R44	22°18	13°26	23°51								
W18	18 9 10	2°10'57	2♂59	11°39	0♁18	13°59	7°21	13°37	9°36	21°34	25°11	23°43	22°14	13°33	23°48								
T 19	18 13 7	3° 8'08	17° 3	13°39	1°31	14°32	7°25	13°43	9°37	21°32	25°13	23°41	22°11	13°40	23°45								
F 20	18 17 4	4° 5'20	0♁56	15°38	2°45	15° 6	7°28	13°49	9°38	21°30	25°14	23°38	22° 8	13°46	23°42								
S 21	18 21 0	5° 2'32	14°35	17°35	3°59	15°39	7°32	13°55	9°38	21°29	25°16	23°32	22° 5	13°53	23°39								
S 22	18 24 57	5°59'43	27°56	19°31	5°13	16°13	7°37	14° 1	9°39	21°27	25°17	23°25	22° 2	14° 0	23°35								
M23	18 28 53	6°56'55	10♂58	21°24	6°26	16°47	7°41	14° 6	9°40	21°26	25°19	23°18	21°59	14° 6	23°32								
T 24	18 32 50	7°54'08	23°41	23°15	7°40	17°21	7°46	14°12	9°41	21°24	25°20	23°11	21°55	14°13	23°29								
W25	18 36 46	8°51'20	6♂ 6	25° 5	8°54	17°55	7°50	14°18	9°42	21°23	25°22	23° 5	21°52	14°20	23°26								
T 26	18 40 43	9°48'32	18°16	26°53	10° 8	18°29	7°55	14°23	9°42	21°21	25°23	23° 1	21°49	14°26	23°22								
F 27	18 44 39	10°45'45	0♁15	28°38	11°22	19° 4	8° 0	14°29	9°43	21°20	25°25	22°59	21°46	14°33	23°19								
S 28	18 48 36	11°42'57	12° 7	0♂22	12°35	19°38	8° 5	14°34	9°43	21°18	25°26	22°D58	21°43	14°40	23°15								
S 29	18 52 33	12°40'10	23°58	2° 4	13°49	20°13	8°11	14°39	9°44	21°16	25°27	22°58	21°39	14°46	23°12								
M30	18 56 29	13♁37'23	5♌15	3♂44	15♁3	20♂48	8♁16	14♂45	9♃44	21♃15	25♂29	23♌0	21♌36	14♁53	23♃9								

Delta T = 13m29s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1175

JULY 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	19 0 26	14 [☾] 34'36	17 [♌] 54	5 [♈] 23	16 [♁] 17	21 [♊] 22	8 [♂] 22	14 [♄] 50	9 [♃] 45	21 [♈] 13	25 [♁] 30	23 [♈] R 1	21 [♌] 33	15 [♂] 0	23 [♈] R 5								
W 2	19 4 22	15 [☉] 31'50	0 [♂] 9	6 [♁] 59	17 [♁] 31	21 [♈] 57	8 [♂] 27	14 [♄] 55	9 [♃] 45	21 [♈] 11	25 [♁] 32	23 [♌] 0	21 [♈] 30	15 [♂] 6	23 [♈] R 2								
T 3	19 8 19	16 [☉] 29'04	12 [♂] 40	8 [♁] 33	18 [♁] 45	22 [♈] 33	8 [♂] 33	15 [♄] 0	9 [♃] 46	21 [♈] 10	25 [♁] 33	22 [♈] 59	21 [♈] 27	15 [♂] 13	22 [♈] 58								
F 4	19 12 15	17 [☉] 26'19	23 [♂] 32	10 [♁] 6	19 [♁] 59	23 [♈] 8	8 [♂] 39	15 [♄] 5	9 [♃] 46	21 [♈] 8	25 [♁] 34	22 [♈] 54	21 [♈] 24	15 [♂] 20	22 [♈] 55								
S 5	19 16 12	18 [☉] 23'34	8 [♂] 43	11 [♁] 36	21 [♁] 13	23 [♈] 43	8 [♂] 45	15 [♄] 10	9 [♃] 46	21 [♈] 7	25 [♁] 36	22 [♈] 48	21 [♈] 20	15 [♂] 27	22 [♈] 52								
S 6	19 20 8	19 [☉] 20'49	22 [♂] 15	13 [♁] 5	22 [♁] 27	24 [♈] 19	8 [♂] 52	15 [♄] 15	9 [♃] 46	21 [♈] 5	25 [♁] 37	22 [♈] 40	21 [♈] 17	15 [♂] 33	22 [♈] 48								
M 7	19 24 5	20 [☉] 18'06	6 [♂] 4	14 [♁] 32	23 [♁] 40	24 [♈] 54	8 [♂] 58	15 [♄] 19	9 [♃] 46	21 [♈] 3	25 [♁] 39	22 [♈] 31	21 [♈] 14	15 [♂] 40	22 [♈] 45								
T 8	19 28 2	21 [☉] 15'23	20 [♂] 6	15 [♁] 57	24 [♁] 54	25 [♈] 30	9 [♂] 5	15 [♄] 24	9 [♃] 47	21 [♈] 2	25 [♁] 40	22 [♈] 22	21 [♈] 11	15 [♂] 47	22 [♈] 41								
W 9	19 31 58	22 [☉] 12'41	4 [♂] 18	17 [♁] 19	26 [♁] 8	26 [♈] 6	9 [♂] 12	15 [♄] 29	9 [♃] R47	21 [♈] 0	25 [♁] 41	22 [♈] 14	21 [♈] 8	15 [♂] 53	22 [♈] 38								
T 10	19 35 55	23 [☉] 10'00	18 [♂] 34	18 [♁] 40	27 [♁] 22	26 [♈] 42	9 [♂] 18	15 [♄] 33	9 [♃] 47	20 [♈] 59	25 [♁] 43	22 [♈] 8	21 [♈] 5	16 [♂] 0	22 [♈] 34								
F 11	19 39 51	24 [☉] 7'20	2 [♂] Y51	19 [♁] 59	28 [♁] 36	27 [♈] 18	9 [♂] 25	15 [♄] 37	9 [♃] 46	20 [♈] 57	25 [♁] 44	22 [♈] 3	21 [♈] 1	16 [♂] 7	22 [♈] 31								
S 12	19 43 48	25 [☉] 4'41	17 [♂] 4	21 [♁] 15	29 [♁] 50	27 [♈] 54	9 [♂] 33	15 [♄] 42	9 [♃] 46	20 [♈] 55	25 [♁] 45	22 [♈] 2	20 [♈] 58	16 [♂] 13	22 [♈] 27								
S 13	19 47 44	26 [☉] 2'03	1 [♂] 13	22 [♁] 30	1 [♈] 4	28 [♈] 30	9 [♂] 40	15 [♄] 46	9 [♃] 46	20 [♈] 54	25 [♁] 47	22 [♈] D 2	20 [♈] 55	16 [♂] 20	22 [♈] 24								
M 14	19 51 41	26 [☉] 59'27	15 [♂] 15	23 [♁] 42	2 [♈] 18	29 [♈] 6	9 [♂] 47	15 [♄] 50	9 [♃] 46	20 [♈] 52	25 [♁] 48	22 [♈] R 2	20 [♈] 52	16 [♂] 27	22 [♈] 20								
T 15	19 55 37	27 [☉] 56'52	29 [♂] 10	24 [♁] 52	3 [♈] 32	29 [♈] 43	9 [♂] 55	15 [♄] 54	9 [♃] 46	20 [♈] 50	25 [♁] 49	22 [♈] 2	20 [♈] 49	16 [♂] 33	22 [♈] 17								
W 16	19 59 34	28 [☉] 54'18	12 [♂] II58	26 [♁] 0	4 [♈] 46	0 [♂] 19	10 [♂] 2	15 [♄] 58	9 [♃] 45	20 [♈] 49	25 [♁] 51	22 [♈] 0	20 [♈] 45	16 [♂] 40	22 [♈] 14								
T 17	20 3 31	29 [☉] 51'46	26 [♂] 37	27 [♁] 5	6 [♈] 0	0 [♂] 56	10 [♂] 10	16 [♄] 2	9 [♃] 45	20 [♈] 47	25 [♁] 52	21 [♈] 56	20 [♈] 42	16 [♂] 47	22 [♈] 10								
F 18	20 7 27	0 [♂] 49'15	10 [♂] 6	28 [♁] 7	7 [♈] 14	1 [♂] 33	10 [♂] 18	16 [♄] 6	9 [♃] 45	20 [♈] 46	25 [♁] 53	21 [♈] 49	20 [♈] 39	16 [♂] 53	22 [♈] 7								
S 19	20 11 24	1 [♂] 46'44	23 [♂] 24	29 [♁] 7	8 [♈] 29	2 [♂] 10	10 [♂] 26	16 [♄] 10	9 [♃] 44	20 [♈] 44	25 [♁] 54	21 [♈] 40	20 [♈] 36	17 [♂] 0	22 [♈] 3								
S 20	20 15 20	2 [♂] 44'15	6 [♂] 28	0 [♂] Y4	9 [♈] 43	2 [♂] 47	10 [♂] 34	16 [♄] 13	9 [♃] 44	20 [♈] 42	25 [♁] 56	21 [♈] 29	20 [♈] 33	17 [♂] 7	22 [♈] 0								
M 21	20 19 17	3 [♂] 41'47	19 [♂] 17	0 [♂] 58	10 [♈] 57	3 [♂] 24	10 [♂] 42	16 [♄] 17	9 [♃] 43	20 [♈] 41	25 [♁] 57	21 [♈] 17	20 [♈] 30	17 [♂] 13	21 [♈] 57								
T 22	20 23 13	4 [♂] 39'20	1 [♂] Y51	1 [♂] 49	12 [♈] 11	4 [♂] 1	10 [♂] 51	16 [♄] 20	9 [♃] 43	20 [♈] 39	25 [♁] 58	21 [♈] 5	20 [♈] 26	17 [♂] 20	21 [♈] 53								
W 23	20 27 10	5 [♂] 36'54	14 [♂] 10	2 [♂] 37	13 [♈] 25	4 [♂] 39	10 [♂] 59	16 [♄] 24	9 [♃] 42	20 [♈] 38	25 [♁] 59	20 [♈] 54	20 [♈] 23	17 [♂] 27	21 [♈] 50								
T 24	20 31 6	6 [♂] 34'29	26 [♂] 17	3 [♂] 21	14 [♈] 39	5 [♂] 16	11 [♂] 8	16 [♄] 27	9 [♃] 41	20 [♈] 36	26 [♂] 0	20 [♈] 46	20 [♈] 20	17 [♂] 33	21 [♈] 47								
F 25	20 35 3	7 [♂] 32'05	8 [♂] 13	4 [♂] 2	15 [♈] 53	5 [♂] 54	11 [♂] 16	16 [♄] 30	9 [♃] 40	20 [♈] 35	26 [♂] 2	20 [♈] 40	20 [♈] 17	17 [♂] 40	21 [♈] 43								
S 26	20 39 0	8 [♂] 29'42	20 [♂] 3	4 [♂] 39	17 [♈] 7	6 [♂] 31	11 [♂] 25	16 [♄] 33	9 [♃] 40	20 [♈] 33	26 [♂] 3	20 [♈] 37	20 [♈] 14	17 [♂] 47	21 [♈] 40								
S 27	20 42 56	9 [♂] 27'21	1 [♂] Y52	5 [♂] 12	18 [♈] 21	7 [♂] 9	11 [♂] 34	16 [♄] 36	9 [♃] 39	20 [♈] 32	26 [♂] 4	20 [♈] 35	20 [♈] 11	17 [♂] 53	21 [♈] 37								
M 28	20 46 53	10 [♂] 25'00	13 [♂] 45	5 [♂] 41	19 [♈] 36	7 [♂] 47	11 [♂] 43	16 [♄] 39	9 [♃] 38	20 [♈] 30	26 [♂] 5	20 [♈] 35	20 [♈] 7	18 [♂] 0	21 [♈] 34								
T 29	20 50 49	11 [♂] 22'40	25 [♂] 46	6 [♂] 5	20 [♈] 50	8 [♂] 25	11 [♂] 52	16 [♄] 42	9 [♃] 37	20 [♈] 29	26 [♂] 6	20 [♈] 35	20 [♈] 4	18 [♂] 7	21 [♈] 30								
W 30	20 54 46	12 [♂] 20'22	8 [♂] 3	6 [♂] 25	22 [♈] 4	9 [♂] 3	12 [♂] 2	16 [♄] 44	9 [♃] 36	20 [♈] 27	26 [♂] 7	20 [♈] 34	20 [♈] 1	18 [♂] 13	21 [♈] 27								
T 31	20 58 42	13 [♂] 18'04	20 [♂] 38	6 [♂] Y40	23 [♈] 18	9 [♂] 41	12 [♂] 11	16 [♄] 47	9 [♃] Y35	20 [♈] 26	26 [♂] II 8	20 [♈] 31	19 [♈] 58	18 [♂] 20	21 [♈] 24								

Delta T = 13m28s

Julian Calendar 1 July 1175 == Greg. Calendar 8 July 1175

AUGUST 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
F 1	21 2 39	14 [♂] 15'48	3 [♂] 37	6 [♂] Y49	24 [♈] 32	10 [♂] 19	12 [♂] 20	16 [♄] 49	9 [♃] R34	20 [♈] R24	26 [♂] II 9	20 [♈] R26	19 [♈] 55	18 [♂] 27	21 [♈] R21								
S 2	21 6 35	15 [☉] 13'33	17 [♂] 0	6 [♂] R54	25 [♈] 46	10 [♂] 58	12 [♂] 30	16 [♄] 52	9 [♃] Y33	20 [♈] R23	26 [♂] 10	20 [♈] 18	19 [♈] 51	18 [♂] 33	21 [♈] R18								
S 3	21 10 32	16 [☉] 11'20	0 [♂] 49	6 [♂] 52	27 [♂] 1	11 [♂] 36	12 [♂] 40	16 [♄] 54	9 [♃] 32	20 [♈] 21	26 [♂] 11	20 [♈] 8	19 [♈] 48	18 [♂] 40	21 [♈] 15								
M 4	21 14 29	17 [☉] 9'07	15 [♂] 0	6 [♂] 46	28 [♈] 15	12 [♂] 14	12 [♂] 49	16 [♄] 56	9 [♃] 31	20 [♈] 20	26 [♂] 12	19 [♈] 57	19 [♈] 45	18 [♂] 47	21 [♈] 12								
T 5	21 18 25	18 [☉] 6'57	29 [♂] 28	6 [♂] 33	29 [♈] 29	12 [♂] 53	12 [♂] 59	16 [♄] 58	9 [♃] 29	20 [♈] 18	26 [♂] 13	19 [♈] 45	19 [♈] 42	18 [♂] 53	21 [♈] 9								
W 6	21 22 22	19 [☉] 4'47	14 [♂] X 6	6 [♂] 14	0 [♂] Y43	13 [♂] 32	13 [♂] 9	17 [♄] 0	9 [♃] 28	20 [♈] 17	26 [♂] 14	19 [♈] 35	19 [♈] 39	19 [♂] 0	21 [♈] 6								
T 7	21 26 18	20 [☉] 2'40	28 [♂] 47	5 [♂] 50	1 [♂] 57	14 [♂] 11	13 [♂] 19	17 [♄] 2	9 [♃] 27	20 [♈] 16	26 [♂] 15	19 [♈] 27	19 [♈] 36	19 [♂] 7	21 [♈] 3								
F 8	21 30 15	21 [☉] 0'34	13 [♂] Y23	5 [♂] 19	3 [♂] 11	14 [♂] 49	13 [♂] 29	17 [♄] 4	9 [♃] 26	20 [♈] 14	26 [♂] 16	19 [♈] 21	19 [♈] 32	19 [♂] 13	21 [♈] 1								
S 9	21 34 11	21 [☉] 58'30	27 [♂] 50	4 [♂] 43	4 [♂] 26	15 [♂] 28	13 [♂] 39	17 [♄] 6	9 [♃] 24	20 [♈] 13	26 [♂] 17	19 [♈] 18	19 [♈] 29	19 [♂] 20	20 [♈] 58								
S 10	21 38 8	22 [☉] 56'28	12 [♂] 8	4 [♂] 2	5 [♂] 40	16 [♂] 7	13 [♂] 50	17 [♄] 7	9 [♃] 23	20 [♈] 12	26 [♂] 18	19 [♈] 17	19 [♈] 26	19 [♂] 27	20 [♈] 55								
M 11	21 42 4	23 [☉] 54'28	26 [♂] 5	3 [♂] 16	6 [♂] 54	16 [♂] 47	14 [♂] 0	17 [♄] 9	9 [♃] 21	20 [♈] 10	26 [♂] 19	19 [♈] 17	19 [♈] 23	19 [♂] 33	20 [♈] 52								
T 12	21 46 1	24 [☉] 52'30	9 [♂] II50	2 [♂] 26	8 [♂] 8	17 [♂] 26	14 [♂] 10	17 [♄] 10	9 [♃] 20	20 [♈] 9	26 [♂] 20	19 [♈] 17	19 [♈] 20	19 [♂] 40	20 [♈] 50								
W 13	21 49 58	25 [☉] 50'34	23 [♂] 22	1 [♂] 32	9 [♂] 22	18 [♂] 5	14 [♂] 21	17 [♄] 11	9 [♃] 18	20 [♈] 8	26 [♂] 21	19 [♈] 15	19 [♈] 17	19 [♂] 47	20 [♈] 47								
T 14	21 53 54	26 [☉] 48'40	6 [♂] 42	0 [♂] 36																			

SWISS EPHEMERIS for the year 1175

SEPTEMBER 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	23 4 52	14♏19'32	23♏17	26♏28	2♏53	0♏50	17♏56	17°R14	8°R42	19°R49	26♏33	17°R11	18♏16	21♏53	20°R 9								
T 2	23 8 49	15°18'11	8♏ 1	27°29	4° 7	1°31	18° 8	17♏13	8°Y40	19°R48	26°34	17♏ 2	18°13	22° 0	20°R 8								
W 3	23 12 45	16°16'52	22°59	28°38	5°21	2°12	18°20	17°12	8°38	19°47	26°34	16°53	18°10	22° 6	20° 6								
T 4	23 16 42	17°15'36	8°Y 2	29°53	6°35	2°53	18°32	17°11	8°36	19°46	26°34	16°46	18° 7	22°13	20° 5								
F 5	23 20 38	18°14'21	23° 1	1♏14	7°50	3°35	18°44	17° 9	8°34	19°46	26°35	16°41	18° 3	22°20	20° 4								
S 6	23 24 35	19°13'09	7♏48	2°40	9° 4	4°16	18°56	17° 8	8°31	19°45	26°35	16°39	18° 0	22°26	20° 3								
S 7	23 28 31	20°11'59	22°18	4°10	10°18	4°57	19° 8	17° 7	8°29	19°44	26°35	16°D39	17°57	22°33	20° 2								
M 8	23 32 28	21°10'51	6♏26	5°43	11°32	5°39	19°20	17° 5	8°27	19°44	26°36	16°40	17°54	22°40	20° 1								
T 9	23 36 24	22° 9'46	20°14	7°20	12°46	6°21	19°33	17° 3	8°25	19°43	26°36	16°R41	17°51	22°46	20° 0								
W10	23 40 21	23° 8'43	3♏42	9° 0	14° 0	7° 2	19°45	17° 2	8°22	19°43	26°36	16°40	17°48	22°53	19°59								
T 11	23 44 18	24° 7'43	16°51	10°42	15°15	7°44	19°57	17° 0	8°20	19°42	26°36	16°38	17°44	23° 0	19°58								
F 12	23 48 14	25° 6'44	29°45	12°25	16°29	8°26	20°10	16°58	8°17	19°42	26°37	16°33	17°41	23° 6	19°57								
S 13	23 52 11	26° 5'49	12♏24	14°10	17°43	9° 8	20°22	16°56	8°15	19°41	26°37	16°26	17°38	23°13	19°57								
S 14	23 56 7	27° 4'55	24°52	15°56	18°57	9°50	20°35	16°53	8°13	19°41	26°37	16°18	17°35	23°20	19°56								
M15	0 0 4	28° 4'03	7♏ 9	17°42	20°11	10°32	20°47	16°51	8°10	19°41	26°37	16° 8	17°32	23°26	19°56								
T 16	0 4 0	29° 3'14	19°16	19°29	21°25	11°15	21° 0	16°49	8° 8	19°40	26°37	15°59	17°28	23°33	19°55								
W17	0 7 57	0♏ 2'27	1♏16	21°16	22°39	11°57	21°13	16°46	8° 6	19°40	26°37	15°51	17°25	23°40	19°55								
T 18	0 11 53	1° 1'42	13°10	23° 3	23°54	12°39	21°25	16°44	8° 3	19°40	26°37	15°45	17°22	23°46	19°55								
F 19	0 15 50	2° 0'59	24°59	24°50	25° 8	13°22	21°38	16°41	8° 1	19°40	26°38	15°40	17°19	23°53	19°54								
S 20	0 19 47	3° 0'17	6♏45	26°36	26°22	14° 4	21°51	16°38	7°58	19°39	26°38	15°38	17°16	24° 0	19°54								
S 21	0 23 43	3°59'38	18°32	28°23	27°36	14°47	22° 4	16°35	7°56	19°39	26°R38	15°D37	17°13	24° 6	19°D54								
M22	0 27 40	4°59'01	0♏23	0♏ 9	28°50	15°29	22°17	16°32	7°53	19°39	26°38	15°38	17° 9	24°13	19°54								
T 23	0 31 36	5°58'26	12°23	1°54	0♏ 4	16°12	22°29	16°29	7°51	19°39	26°37	15°40	17° 6	24°20	19°54								
W24	0 35 33	6°57'53	24°35	3°39	1°18	16°55	22°42	16°26	7°49	19°39	26°37	15°41	17° 3	24°26	19°54								
T 25	0 39 29	7°57'21	7♏ 6	5°23	2°32	17°38	22°55	16°23	7°46	19°D39	26°37	15°R42	17° 0	24°33	19°55								
F 26	0 43 26	8°56'51	19°59	7° 6	3°46	18°21	23° 8	16°20	7°44	19°39	26°37	15°42	16°57	24°40	19°55								
S 27	0 47 22	9°56'23	3♏18	8°49	5° 0	19° 4	23°21	16°16	7°41	19°39	26°37	15°39	16°54	24°46	19°55								
S 28	0 51 19	10°55'57	17° 6	10°32	6°15	19°47	23°34	16°13	7°39	19°39	26°37	15°36	16°50	24°53	19°56								
M29	0 55 15	11°55'32	1♏23	12°13	7°29	20°30	23°47	16° 9	7°36	19°39	26°37	15°31	16°47	25° 0	19°56								
T 30	0 59 12	12°55'10	16♏ 6	13°54	8♏43	21♏14	24° 0	16° 8	7°Y34	19°R39	26°R37	15♏26	16♏44	25° 6	19°R57								

Delta T = 13m28s

Julian Calendar 1 Sept. 1175 == Greg. Calendar 8 Sept. 1175

OCTOBER 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	1 3 9	13♏54'49	1°Y 8	15♏35	9♏57	21♏57	24♏13	16°R 2	7°R31	19°R39	26°R36	15°R22	16♏41	25♏13	19°R58								
T 2	1 7 5	14°54'30	16°22	17°14	11°11	22°40	24°26	15♏58	7°Y29	19°40	26°R36	15♏18	16°38	25°20	19°58								
F 3	1 11 2	15°54'13	1♏36	18°53	12°25	23°24	24°39	15°54	7°27	19°40	26°36	15°16	16°34	25°26	19°59								
S 4	1 14 58	16°53'59	16°40	20°32	13°38	24° 7	24°52	15°50	7°24	19°40	26°35	15°D15	16°31	25°33	20° 0								
S 5	1 18 55	17°53'46	1♏28	22°10	14°52	24°51	25° 5	15°46	7°22	19°40	26°35	15°16	16°28	25°39	20° 1								
M 6	1 22 51	18°53'36	15°52	23°47	16° 6	25°35	25°19	15°42	7°19	19°41	26°35	15°17	16°25	25°46	20° 2								
T 7	1 26 48	19°53'28	29°52	25°24	17°20	26°18	25°32	15°38	7°17	19°41	26°34	15°19	16°22	25°53	20° 3								
W 8	1 30 44	20°53'23	13♏26	27° 0	18°34	27° 2	25°45	15°34	7°15	19°42	26°34	15°20	16°19	25°59	20° 5								
T 9	1 34 41	21°53'19	26°36	28°36	19°48	27°46	25°58	15°30	7°12	19°42	26°34	15°R20	16°15	26° 6	20° 6								
F 10	1 38 38	22°53'18	9♏25	0♏11	21° 2	28°30	26°11	15°25	7°10	19°43	26°33	15°19	16°12	26°13	20° 7								
S 11	1 42 34	23°53'19	21°56	1°46	22°16	29°14	26°24	15°21	7° 8	19°43	26°33	15°17	16° 9	26°19	20° 9								
S 12	1 46 31	24°53'22	4♏13	3°20	23°30	29°58	26°37	15°17	7° 5	19°44	26°32	15°14	16° 6	26°26	20°10								
M13	1 50 27	25°53'28	16°19	4°54	24°44	0♏42	26°51	15°12	7° 3	19°44	26°32	15°11	16° 3	26°33	20°12								
T 14	1 54 24	26°53'35	28°17	6°27	25°58	1°27	27° 4	15° 8	7° 1	19°45	26°31	15° 8	15°59	26°39	20°13								
W15	1 58 20	27°53'44	10♏ 9	8° 0	27°12	2°11	27°17	15° 3	6°59	19°45	26°31	15° 5	15°56	26°46	20°15								
T 16	2 2 17	28°53'56	21°58	9°33	28°25	2°55	27°30	14°59	6°56	19°46	26°30	15° 3	15°53	26°53	20°17								
F 17	2 6 13	29°54'09	3♏45	11° 5	29°39	3°40	27°43	14°54	6°54	19°47	26°30	15° 2	15°50	26°59	20°18								
S 18	2 10 10	0♏54'24	15°34	12°36	0♏53	4°24	27°57	14°49	6°52	19°48	26°29	15°D 2	15°47	27° 6	20°20								
S 19	2 14 7	1°54'41	27°25	14° 8	2° 7	5° 9	28°10	14°44	6°50	19°48	26°28	15° 2	15°44	27°13	20°22								
M20	2 18 3	2°54'59	9♏22	15°38	3°21	5°53	28°23	14°40	6°48	19°49	26°28	15° 3	15°40	27°19	20°24								
T 21	2 22 0	3°55'20	21°27	17° 9	4°34	6°38	28°36	14°35	6°46	19°50	26°27	15° 4	15°37	27°26	20°26								
W22	2 25 56	4°55'41	3♏44	18°39	5°48	7°23	28°49	14°30	6°44	19°51	26°26	15° 5	15°34	27°33	20°29								
T 23	2 29 53	5°56'05	16°16	20° 9	7° 2	8° 8	29° 2	14°25	6°42	19°52	26°26	15° 6	15°31	27°39	20°31								
F 24	2 33 49	6°56'29	29° 7	21°38	8°16	8°52	29°16	14°20	6°39	19°53	26°25	15° 6	15°28	27°46	20°33								
S 25	2 37 46	7°56'55	12♏19	23° 7	9°29	9°37	29°29	14°16	6°37	19°54	26°24	15°R 6	15°25	27°53	20°36								
S 26	2 41 42	8°57'23	25°56	24°35	10°43	10°22	29°42	14°11	6°36	19°55	26°24	15° 6	15°21	27°59	20°38								
M27	2 45 39	9°57'52	9♏59	26° 3	11°57	11° 7	29°55	14° 6	6°34	19°56	26°23	15° 6	15°18	28° 6	20°41								
T 28	2 49 36	10°58'22	24°27	27°30	13°10	11°53	0♏ 8	14° 1	6°32	19°57	26°22	15° 5	15°15	28°12	20°43								
W29	2 53 32	11°58'53	9°Y16	28°57	14°24	12°38	0°21	13°56	6°30	19°58	26°21	15° 5	15°12	28°19	20°46								
T 30	2 57 29	12°59'26	24°21	0♏23	15°37	13°23	0°34	13°51	6°28	19°59	26°20	15° 5	15° 9	28°26	20°48								
F 31	3 1 25	14♏ 0'00	9♏32	1♏49	16♏51	14♏ 8	0♏47	13°R46	6°Y26	20°R 0	26°R19	15°D 4	15♏ 5	28°R32	20°R51								

Delta T = 13m28s

Julian Calendar

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SWISS EPHEMERIS for the year 1175

NOVEMBER 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	
S 1	3 5 22	15♌ 0°36	24♌41	3♌14	18♌5	14♌53	1♌ 0	13°R41	6°R24	20♌ 1	26°R19	15°R 4	15♌ 2	28♌39	20♌54						
S 2	3 9 18	16° 1'13	9♌39	4°38	19°18	15°39	1°13	13♌36	6°V23	20° 2	26♌18	15♌ 4	14°59	28°46	20°57						
M 3	3 13 15	17° 1'52	24°16	6° 1	20°32	16°24	1°26	13°31	6°21	20° 4	26°17	15° 4	14°56	28°52	21° 0						
T 4	3 17 11	18° 2'33	8♌29	7°23	21°45	17°10	1°39	13°26	6°19	20° 5	26°16	15° 4	14°53	28°59	21° 3						
W 5	3 21 8	19° 3'15	22°14	8°44	22°58	17°55	1°52	13°22	6°18	20° 6	26°15	15° 4	14°50	29° 6	21° 6						
T 6	3 25 5	20° 3'59	5♌33	10° 4	24°12	18°41	2° 5	13°17	6°16	20° 8	26°14	15° 3	14°46	29°12	21° 9						
F 7	3 29 1	21° 4'45	18°26	11°22	25°25	19°27	2°18	13°12	6°15	20° 9	26°13	15°D 3	14°43	29°19	21°12						
S 8	3 32 58	22° 5'32	0♌57	12°39	26°39	20°12	2°31	13° 7	6°13	20°10	26°12	15° 3	14°40	29°26	21°15						
S 9	3 36 54	23° 6'20	13°11	13°54	27°52	20°58	2°44	13° 2	6°12	20°12	26°11	15° 4	14°37	29°32	21°19						
M10	3 40 51	24° 7'11	25°12	15° 6	29° 5	21°44	2°56	12°57	6°10	20°13	26°10	15° 4	14°34	29°39	21°22						
T 11	3 44 47	25° 8'02	7♌ 5	16°16	0♌19	22°30	3° 9	12°53	6° 9	20°15	26° 9	15° 5	14°31	29°46	21°25						
W12	3 48 44	26° 8'55	18°53	17°23	1°32	23°16	3°22	12°48	6° 8	20°16	26° 8	15° 7	14°27	29°52	21°29						
T 13	3 52 40	27° 9'50	0♌40	18°27	2°45	24° 2	3°34	12°43	6° 6	20°18	26° 7	15° 7	14°24	29°59	21°32						
F 14	3 56 37	28°10'45	12°29	19°26	3°58	24°48	3°47	12°38	6° 5	20°19	26° 6	15°R 8	14°21	0♌ 6	21°36						
S 15	4 0 34	29°11'42	24°22	20°22	5°11	25°34	4° 0	12°34	6° 4	20°21	26° 5	15° 8	14°18	0°12	21°39						
S 16	4 4 30	0♌12'40	6♌22	21°12	6°24	26°20	4°12	12°29	6° 3	20°22	26° 4	15° 7	14°15	0°19	21°43						
M17	4 8 27	1°13'39	18°31	21°57	7°38	27° 6	4°25	12°25	6° 2	20°24	26° 3	15° 5	14°11	0°25	21°47						
T 18	4 12 23	2°14'39	0♌49	22°36	8°51	27°52	4°37	12°20	6° 1	20°26	26° 2	15° 2	14° 8	0°32	21°50						
W19	4 16 20	3°15'40	13°19	23° 7	10° 4	28°38	4°50	12°16	6° 0	20°27	26° 1	15° 0	14° 5	0°39	21°54						
T 20	4 20 16	4°16'42	26° 2	23°30	11°17	29°25	5° 2	12°11	5°59	20°29	25°59	14°57	14° 2	0°45	21°58						
F 21	4 24 13	5°17'44	9♌ 0	23°44	12°29	0♌11	5°14	12° 7	5°58	20°31	25°58	14°54	13°59	0°52	22° 2						
S 22	4 28 9	6°18'47	22°13	23°R48	13°42	0°57	5°26	12° 3	5°57	20°33	25°57	14°52	13°56	0°59	22° 6						
S 23	4 32 6	7°19'50	5♌45	23°42	14°55	1°44	5°39	11°59	5°56	20°34	25°56	14°D52	13°52	1° 5	22°10						
M24	4 36 3	8°20'54	19°35	23°25	16° 8	2°30	5°51	11°54	5°55	20°36	25°55	14°52	13°49	1°12	22°14						
T 25	4 39 59	9°21'58	3♌44	22°56	17°21	3°17	6° 3	11°50	5°54	20°38	25°54	14°53	13°46	1°19	22°18						
W26	4 43 56	10°23'02	18°11	22°16	18°33	4° 3	6°15	11°46	5°54	20°40	25°53	14°55	13°43	1°25	22°22						
T 27	4 47 52	11°24'08	2♌53	21°24	19°46	4°50	6°27	11°42	5°53	20°42	25°51	14°56	13°40	1°32	22°26						
F 28	4 51 49	12°25'13	17°45	20°22	20°58	5°36	6°39	11°39	5°53	20°43	25°50	14°R56	13°37	1°39	22°30						
S 29	4 55 45	13°26'19	2♌39	19°12	22°11	6°23	6°51	11°35	5°52	20°45	25°49	14°55	13°33	1°45	22°35						
S 30	4 59 42	14♌27'26	17♌29	17♌55	23♌23	7♌10	7♌ 3	11♌31	5°V52	20♌47	25♌48	14♌53	13♌30	1♌52	22♌39						

Delta T = 13m27s Julian Calendar 1 Nov. 1175 == Greg. Calendar 8 Nov. 1175

DECEMBER 1175 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	
M 1	5 3 38	15♌28'33	2♌ 5	16°R34	24♌36	7♌56	7♌14	11°R27	5°R51	20♌49	25°R47	14°R49	13♌27	1♌59	22♌43						
T 2	5 7 35	16°29'41	16°22	15♌11	25°48	8°43	7°26	11♌24	5°V51	20°51	25♌45	14♌44	13°24	2° 5	22°48						
W 3	5 11 32	17°30'49	0♌15	13°49	27° 0	9°30	7°38	11°20	5°50	20°53	25°44	14°39	13°21	2°12	22°52						
T 4	5 15 28	18°31'58	13°41	12°32	28°12	10°17	7°49	11°17	5°50	20°55	25°43	14°34	13°17	2°19	22°56						
F 5	5 19 25	19°33'08	26°41	11°20	29°24	11° 3	8° 1	11°14	5°50	20°57	25°42	14°30	13°14	2°25	23° 1						
S 6	5 23 21	20°34'18	9♌17	10°17	0♌36	11°50	8°12	11°10	5°50	20°59	25°41	14°28	13°11	2°32	23° 5						
S 7	5 27 18	21°35'29	21°33	9°24	1°48	12°37	8°23	11° 7	5°50	21° 1	25°39	14°D27	13° 8	2°38	23°10						
M 8	5 31 14	22°36'40	3♌35	8°40	3° 0	13°24	8°34	11° 4	5°50	21° 3	25°38	14°28	13° 5	2°45	23°14						
T 9	5 35 11	23°37'52	15°26	8° 7	4°12	14°11	8°46	11° 1	5°D50	21° 5	25°37	14°29	13° 2	2°52	23°19						
W10	5 39 7	24°39'04	27°13	7°45	5°24	14°58	8°57	10°58	5°50	21° 7	25°36	14°31	12°58	2°58	23°24						
T 11	5 43 4	25°40'16	9♌ 0	7°33	6°35	15°45	9° 8	10°56	5°50	21° 9	25°34	14°R32	12°55	3° 5	23°28						
F 12	5 47 1	26°41'29	20°52	7°D31	7°47	16°32	9°19	10°53	5°50	21°11	25°33	14°32	12°52	3°12	23°33						
S 13	5 50 57	27°42'43	2♌52	7°38	8°58	17°19	9°29	10°50	5°50	21°14	25°32	14°30	12°49	3°18	23°38						
S 14	5 54 54	28°43'56	15° 3	7°53	10°10	18° 6	9°40	10°48	5°50	21°16	25°31	14°26	12°46	3°25	23°42						
M15	5 58 50	29°45'10	27°26	8°16	11°21	18°53	9°51	10°45	5°51	21°18	25°30	14°20	12°43	3°32	23°47						
T 16	6 2 47	0♌46'23	10♌ 3	8°46	12°32	19°41	10° 1	10°43	5°51	21°20	25°28	14°12	12°39	3°38	23°52						
W17	6 6 43	1°47'36	22°54	9°22	13°43	20°28	10°12	10°41	5°51	21°22	25°27	14° 3	12°36	3°45	23°57						
T 18	6 10 40	2°48'49	5♌57	10° 4	14°54	21°15	10°22	10°39	5°52	21°24	25°26	13°54	12°33	3°52	24° 1						
F 19	6 14 36	3°50'02	19°13	10°50	16° 5	22° 2	10°33	10°37	5°52	21°27	25°25	13°46	12°30	3°58	24° 6						
S 20	6 18 33	4°51'14	2♌40	11°42	17°16	22°49	10°43	10°35	5°53	21°29	25°23	13°39	12°27	4° 5	24°11						
S 21	6 22 30	5°52'26	16°18	12°37	18°27	23°37	10°53	10°33	5°54	21°31	25°22	13°35	12°23	4°12	24°16						
M22	6 26 26	6°53'37	0♌ 7	13°35	19°37	24°24	11° 3	10°32	5°54	21°33	25°21	13°33	12°20	4°18	24°21						
T 23	6 30 23	7°54'48	14° 6	14°37	20°48	25°11	11°13	10°30	5°55	21°35	25°20	13°D33	12°17	4°25	24°26						
W24	6 34 19	8°55'58	28°15	15°42	21°58	25°59	11°23	10°29	5°56	21°38	25°19	13°34	12°14	4°31	24°31						
T 25	6 38 16	9°57'07	12♌33	16°49	23° 8	26°46	11°32	10°27	5°56	21°40	25°17	13°R35	12°11	4°38	24°36						
F 26	6 42 12	10°58'15	26°58	17°58	24°18	27°33	11°42	10°26	5°57	21°42	25°16	13°34	12° 8	4°45	24°40						
S 27	6 46 9	11°59'23	11♌26	19°10	25°28	28°21	11°51	10°25	5°58	21°44	25°15	13°31	12° 4	4°51	24°45						
S 28	6 50 5	13° 0'31	25°52	20°23	26°38	29° 8	12° 1	10°24	5°59	21°47	25°14	13°25	12° 1	4°58	24°50						
M29	6 54 2	14° 1'37	10♌10	21°38	27°47	29°55	12°10	10°23	6° 0	21°49	25°13	13°17	11°58	5° 5	24°55						
T 30	6 57 59	15° 2'43	24°16	22°55	28°57	0♌43	12°19	10°23	6° 1	21°51	25°12	13° 7	11°55	5°11	25° 0						
W31	7 1 55	16♌ 3'49	8♌ 2	24♌13	0♌ 6	1♌30	12♌28	10♌22	6°V 2	21♌53	25♌11	12♌56	11♌52	5♌18	25♌ 5						

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