

SWISS EPHEMERIS for the year 1156

JANUARY 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♁	♂	♀	♁
S 1	7 5 15	16 ³ 56'08	9 ^Y 26	23 ⁷ 43	19 ⁷ 30	15 ^R 40	19 ⁴ 41	26 ^R 40	19 ³ 28	9 ⁷ 40	3 ^R 54	10 ^R 2	8 ⁷ 39	1 ^Q 26	2 ^R 28
M 2	7 9 12	17 ⁵ 57'13	22 ⁴ 47	24 ⁵ 57	20 ⁴ 44	15 ^{II} 29	19 ⁵ 54	26 ^{II} 40	19 ³ 31	9 ⁴ 42	3 ^{II} 53	10 ^D 2	8 ³ 35	1 ³ 33	2 ^{II} 25
T 3	7 13 8	18 ⁵ 58'18	5 ^B 44	26 ¹ 12	21 ⁵ 59	15 ¹ 19	20 [°] 8	26 ⁴ 40	19 ³ 35	9 ⁴ 44	3 ⁵ 52	10 ⁷ 3	8 ³ 32	1 ⁴ 40	2 ² 23
W 4	7 17 5	19 ⁵ 59'21	18 ² 22	27 ² 28	23 ¹ 13	15 ¹ 10	20 ² 21	26 ³ 39	19 ³ 38	9 ⁴ 46	3 ⁵ 51	10 [°] 5	8 ² 29	1 ⁴ 46	2 ² 21
T 5	7 21 2	21 [°] 0'24	0 ^{II} 44	28 ⁴ 46	24 ² 28	15 [°] 2	20 ³ 35	26 ³ 39	19 ⁴ 42	9 ⁴ 48	3 ⁵ 50	10 [°] 6	8 ² 26	1 ⁵ 53	2 ¹ 19
F 6	7 24 58	22 [°] 1'25	12 ⁵ 55	0 ³ 6	25 ⁴ 43	14 ⁵ 54	20 ⁴ 48	26 ³ 38	19 ⁴ 46	9 ⁴ 50	3 ⁵ 50	10 ^R 7	8 ² 23	2 [°] 0	2 ¹ 17
S 7	7 28 55	23 [°] 2'26	24 ⁵ 56	1 ² 26	26 ⁵ 57	14 ⁴ 47	21 [°] 2	26 ³ 37	19 ⁴ 49	9 ⁴ 51	3 ⁴ 49	10 [°] 5	8 ² 20	2 [°] 6	2 ¹ 15
S 8	7 32 51	24 [°] 3'25	6 ⁵ 52	2 ⁴ 48	28 ¹ 12	14 ⁴ 41	21 [°] 16	26 ³ 36	19 ⁵ 53	9 ⁴ 53	3 ⁴ 48	10 [°] 2	8 ¹ 16	2 [°] 13	2 ¹ 14
M 9	7 36 48	25 [°] 4'24	18 ⁴ 45	4 ¹ 11	29 ² 26	14 ³ 36	21 [°] 29	26 ³ 35	19 ⁵ 56	9 ⁴ 55	3 ⁴ 48	9 ⁵ 56	8 ¹ 13	2 ² 20	2 ¹ 12
T 10	7 40 44	26 [°] 5'21	0 ^Q 36	5 ³ 35	0 ³ 41	14 ³ 31	21 [°] 43	26 ³ 34	20 [°] 0	9 ⁴ 57	3 ⁴ 47	9 ⁴ 48	8 ¹ 10	2 ² 27	2 ¹ 10
W11	7 44 41	27 [°] 6'17	12 ² 27	6 ⁵ 59	1 ⁵ 56	14 ² 28	21 [°] 57	26 ³ 33	20 [°] 3	9 ⁴ 58	3 ⁴ 46	9 ³ 39	8 [°] 7	2 ² 33	2 [°] 9
T 12	7 48 37	28 [°] 7'13	24 ² 20	8 ² 25	3 ¹ 10	14 ² 25	22 [°] 11	26 ³ 32	20 [°] 7	10 [°] 0	3 ⁴ 46	9 ² 29	8 [°] 4	2 ² 40	2 [°] 7
F 13	7 52 34	29 [°] 8'07	6 ^{II} 16	9 ⁵ 52	4 ² 25	14 ² 23	22 [°] 25	26 ³ 30	20 ¹ 10	10 [°] 2	3 ⁴ 45	9 ² 20	8 [°] 0	2 ² 47	2 [°] 6
S 14	7 56 31	0 [∞] 9'00	18 ¹ 18	11 ¹ 19	5 ⁴ 40	14 ² 22	22 [°] 38	26 ² 29	20 ¹ 14	10 [°] 3	3 ⁴ 44	9 ¹ 11	7 ⁵ 57	2 ⁵ 53	2 [°] 4
S 15	8 0 27	1 [°] 9'53	0 [∞] 29	12 ⁴ 47	6 ⁵ 54	14 ^D 21	22 [°] 52	26 ² 27	20 ¹ 17	10 [°] 5	3 ⁴ 44	9 [°] 4	7 ⁵ 54	3 [°] 0	2 [°] 3
M16	8 4 24	2 ¹⁰ 44	12 ⁵ 50	14 ¹ 17	8 [°] 9	14 ² 21	23 [°] 6	26 ² 26	20 ² 21	10 [°] 7	3 ⁴ 43	9 [°] 0	7 ⁵ 51	3 [°] 7	2 [°] 2
T 17	8 8 20	3 ¹¹ 35	25 ² 27	15 ⁴ 47	9 ² 24	14 ² 22	23 ² 20	26 ² 24	20 ² 24	10 [°] 8	3 ⁴ 43	8 ⁵ 58	7 ⁴ 48	3 ¹ 13	2 [°] 0
W18	8 12 17	4 ¹² 24	8 ^{II} 23	17 ¹ 17	10 ³ 38	14 ² 24	23 ³ 34	26 ² 22	20 ² 28	10 ¹ 10	3 ⁴ 42	8 ^D 58	7 ⁴ 45	3 ² 20	1 ⁵ 59
T 19	8 16 13	5 ¹³ 13	21 ⁴ 22	18 ⁴ 49	11 ⁵ 53	14 ² 26	23 ⁴ 49	26 ² 20	20 ³ 31	10 ¹ 11	3 ⁴ 42	8 ⁵ 58	7 ⁴ 41	3 ² 27	1 ⁵ 58
F 20	8 20 10	6 ¹⁴ 01	5 ⁷ 27	20 ² 21	13 [°] 8	14 ³ 30	24 [°] 3	26 ¹ 18	20 ³ 34	10 ¹ 13	3 ⁴ 41	8 ^R 59	7 ³ 38	3 ³ 34	1 ⁵ 57
S 21	8 24 6	7 ¹⁴ 48	19 ³ 39	21 ⁵ 54	14 ² 22	14 ³ 33	24 ¹ 17	26 ¹ 16	20 ³ 38	10 ¹ 14	3 ⁴ 41	8 ⁵ 59	7 ³ 35	3 ⁴ 40	1 ⁵ 56
S 22	8 28 3	8 ¹⁵ 33	4 ³ 19	23 ² 28	15 ³ 37	14 ³ 38	24 ³ 1	26 ¹ 13	20 ⁴ 41	10 ¹ 15	3 ⁴ 41	8 ⁵ 56	7 ³ 32	3 ⁴ 47	1 ⁵ 56
M23	8 32 0	9 ¹⁶ 18	19 ² 20	25 [°] 3	16 ⁵ 52	14 ⁴ 43	24 ⁴ 5	26 ¹ 11	20 ⁴ 45	10 ¹ 17	3 ⁴ 40	8 ⁵ 51	7 ² 29	3 ⁵ 54	1 ⁵ 55
T 24	8 35 56	10 ¹⁷ 01	4 [∞] 36	26 ³ 39	18 [°] 6	14 ⁴ 49	25 [°] 0	26 [°] 9	20 ⁴ 48	10 ¹ 18	3 ⁴ 40	8 ⁴ 43	7 ² 26	4 [°] 0	1 ⁵ 54
W25	8 39 53	11 ¹⁷ 42	19 ⁵ 56	28 ¹ 15	19 ² 21	14 ⁵ 56	25 ¹ 14	26 [°] 6	20 ⁵ 51	10 ² 20	3 ³ 39	8 ³ 34	7 ² 22	4 [°] 7	1 ⁵ 54
T 26	8 43 49	12 ¹⁸ 23	5 ^X 8	29 ⁵ 53	20 ³ 36	15 [°] 3	25 ² 28	26 [°] 3	20 ⁵ 55	10 ² 21	3 ³ 39	8 ² 24	7 ¹ 19	4 ¹ 14	1 ⁵ 53
F 27	8 47 46	13 ¹⁹ 01	20 [°] 2	1 [∞] 31	21 ⁵ 50	15 ¹ 11	25 ⁴ 2	26 [°] 1	20 ⁵ 58	10 ² 22	3 ³ 39	8 ¹ 15	7 ¹ 16	4 ² 20	1 ⁵ 53
S 28	8 51 42	14 ¹⁹ 38	4 ^Y 30	3 ¹ 10	23 [°] 5	15 ¹ 19	25 ⁵ 7	25 ⁵ 8	21 [°] 1	10 ² 23	3 ³ 38	8 [°] 7	7 ¹ 13	4 ² 27	1 ⁵ 52
S 29	8 55 39	15 ²⁰ 12	18 ² 29	4 ⁵ 50	24 ² 20	15 ² 28	26 ¹ 11	25 ⁵ 55	21 [°] 5	10 ² 25	3 ³ 38	8 [°] 1	7 ¹ 10	4 ³ 34	1 ⁵ 52
M30	8 59 35	16 ²⁰ 45	1 ³ 57	6 ³ 31	25 ³ 34	15 ³ 38	26 ² 6	25 ⁵ 52	21 [°] 8	10 ² 26	3 ³ 38	7 ⁵ 58	7 [°] 6	4 ⁴ 41	1 ⁵ 52
T 31	9 3 32	17 ²¹ 17	14 ³ 58	8 [∞] 12	26 ³ 49	15 ^{II} 48	26 [∞] 40	25 ^{II} 49	21 ³ 11	10 ² 27	3 ^{II} 38	7 ^D 57	7 ⁷ 3	4 ^Q 47	1 ^{II} 52

Delta T = 14m26s Julian Calendar 1 Jan. 1156 == Greg. Calendar 8 Jan. 1156

FEBRUARY 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♁	♂	♀	♁
W 1	9 7 29	18 [∞] 21'46	27 ³ 35	9 [∞] 55	28 ³ 3	15 ^{II} 59	26 [∞] 54	25 ^R 46	21 ³ 15	10 ⁷ 28	3 ^R 37	7 ⁷ 58	7 ⁷ 0	4 ^Q 54	1 ^{II} 51
T 2	9 11 25	19 ²² 13	9 ^{II} 54	11 ³ 38	29 ¹ 18	16 ¹ 11	27 [°] 9	25 ^{II} 42	21 ¹ 18	10 ² 29	3 ^{II} 37	7 ^R 58	6 ⁵ 57	5 [°] 1	1 ⁵ 51
F 3	9 15 22	20 ²² 39	21 ⁵ 58	13 ² 23	0 [∞] 33	16 ² 23	27 ² 23	25 ³ 39	21 ² 21	10 ³ 30	3 ³ 37	7 ⁵ 57	6 ⁵ 54	5 [°] 7	1 ⁵ 52
S 4	9 19 18	21 ²³ 02	3 ⁵ 54	15 [°] 8	1 ⁴ 47	16 ³ 35	27 ³ 38	25 ³ 36	21 ² 24	10 ³ 31	3 ³ 37	7 ⁵ 54	6 ⁵ 51	5 ¹ 14	1 ⁵ 52
S 5	9 23 15	22 ²³ 24	15 ⁴ 44	16 ⁵ 55	3 [°] 2	16 ⁴ 48	27 ⁵ 2	25 ³ 32	21 ² 27	10 ³ 32	3 ³ 37	7 ⁴ 48	6 ⁴ 47	5 ² 21	1 ⁵ 52
M 6	9 27 11	23 ²³ 44	27 ³ 34	18 ⁴ 42	4 ¹ 17	17 [°] 2	28 [°] 7	25 ² 29	21 ³ 30	10 ³ 33	3 ³ 37	7 ³ 39	6 ⁴ 44	5 ² 27	1 ⁵ 52
T 7	9 31 8	24 ²⁴ 02	9 ^{II} 25	20 ³ 30	5 ³ 31	17 ¹ 16	28 ² 21	25 ² 25	21 ³ 34	10 ³ 34	3 ³ 37	7 ² 28	6 ⁴ 41	5 ³ 34	1 ⁵ 53
W 8	9 35 4	25 ²⁴ 18	21 ¹ 19	22 ² 20	6 ⁴ 46	17 ³ 30	28 ³ 35	25 ² 21	21 ³ 37	10 ³ 35	3 ³ 37	7 ¹ 15	6 ³ 38	5 ⁴ 41	1 ⁵ 53
T 9	9 39 1	26 ²⁴ 32	3 ^{II} 17	24 ¹ 10	8 [°] 0	17 ⁴ 45	28 ⁵ 0	25 ¹ 18	21 ⁴ 40	10 ³ 36	3 ³ 37	7 [°] 0	6 ³ 35	5 ⁴ 48	1 ⁵ 54
F 10	9 42 58	27 ²⁴ 44	15 ² 21	26 [°] 1	9 ¹ 15	18 [°] 1	29 [°] 4	25 ¹ 14	21 ⁴ 43	10 ³ 37	3 ^D 37	6 ⁴ 46	6 ³ 32	5 ⁵ 54	1 ⁵ 54
S 11	9 46 54	28 ²⁴ 55	27 ³ 33	27 ⁵ 54	10 ² 29	18 ¹ 17	29 ¹ 19	25 ¹ 10	21 ⁴ 46	10 ³ 38	3 ³ 37	6 ³ 33	6 ² 28	6 [°] 1	1 ⁵ 55
S 12	9 50 51	29 ²⁵ 03	9 [∞] 52	29 ⁴ 47	11 ⁴ 44	18 ³ 33	29 ³ 33	25 [°] 6	21 ⁴ 49	10 ³ 38	3 ³ 37	6 ² 23	6 ² 25	6 [°] 8	1 ⁵ 56
M13	9 54 47	0 ^X 25'10	22 ² 21	1 ^X 41	12 ⁵ 59	18 ⁵ 50	29 ⁴ 48	25 [°] 2	21 ⁵ 52	10 ³ 39	3 ³ 37	6 ¹ 15	6 ² 22	6 ¹ 14	1 ⁵ 56
T 14	9 58 44	1 ²⁵ 16	5 ^{II} 2	3 ³ 35	14 ¹ 13	19 [°] 7	0 ^X 2	24 ⁵ 8	21 ⁵ 55	10 ⁴ 40	3 ³ 37	6 ¹ 11	6 ¹ 19	6 ² 21	1 ⁵ 57
W15	10 2 40	2 ²⁵ 20	17 ⁵ 59	5 ³ 31	15 ² 28	19 ² 25	0 ¹ 17	24 ⁵ 4	21 ⁵ 58	10 ⁴ 41	3 ³ 37	6 [°] 9	6 ¹ 16	6 ² 28	1 ⁵ 58
T 16	10 6 37	3 ²⁵ 22	1 ⁷ 13	7 ² 27	16 ⁴ 42	19 ⁴ 43	0 ³ 1	24 ⁵ 0	22 [°] 0	10 ⁴ 41	3 ³ 37	6 [°] 8	6 ¹ 12	6 ³ 35	1 ⁵ 59
F 17	10 10 33	4 ²⁵ 23	14 ⁴ 49	9 ² 24	17 ⁵ 57	20 [°] 2	0 ⁴ 6	24 ⁴ 5	22 [°] 3	10 ⁴ 42	3 ³ 37	6 [°] 8	6 [°] 9	6 ⁴ 41	2 [°] 1
S 18	10 14 30	5 ²⁵ 22	28 ⁴ 48	11 ²											

SWISS EPHEMERIS for the year 1156

MARCH 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
T 1	11 1 49	17°22'41	18°11'28	3°47'43	4°48'6	24°11'34	3°48'53	23°R47	22°37'37	10°47'47	3°11'41	4°R52	5°47'28	8°08'8	2°11'22	
F 2	11 5 45	18°22'13	0°33'34	5°18'0	5°20'0	24°25'7	4°7'0	23°11'43	22°40'0	10°47'47	3°41'0	4°47'52	5°25'0	8°15'0	2°22'24	
S 3	11 9 42	19°21'43	12°29'0	6°49'0	6°34'0	25°21'0	4°22'0	23°38'0	22°42'0	10°47'47	3°42'0	4°49'0	5°22'0	8°22'0	2°26'0	
S 4	11 13 38	20°21'10	24°20'0	8°14'0	7°49'0	25°44'0	4°36'0	23°33'0	22°44'0	10°47'47	3°42'0	4°45'0	5°18'0	8°29'0	2°28'0	
M 5	11 17 35	21°20'35	6°11'9	9°34'0	9°3'0	26°8'0	4°50'0	23°29'0	22°46'0	10°47'47	3°43'0	4°37'0	5°15'0	8°35'0	2°31'0	
T 6	11 21 31	22°19'58	18°2'0	10°49'0	10°18'0	26°33'0	5°4'0	23°24'0	22°49'0	10°R47	3°43'0	4°27'0	5°12'0	8°42'0	2°33'0	
W 7	11 25 28	23°19'19	0°11'0	11°57'0	11°32'0	26°57'0	5°18'0	23°19'0	22°51'0	10°47'47	3°44'0	4°15'0	5°9'0	8°49'0	2°35'0	
T 8	11 29 24	24°18'37	12°6'0	12°59'0	12°46'0	27°22'0	5°32'0	23°15'0	22°53'0	10°47'47	3°44'0	4°2'0	5°6'0	8°55'0	2°38'0	
F 9	11 33 21	25°17'54	24°21'0	13°54'0	14°1'0	27°47'0	5°47'0	23°10'0	22°55'0	10°47'47	3°45'0	3°50'0	5°3'0	9°2'0	2°40'0	
S 10	11 37 18	26°17'08	6°42'5	14°42'0	15°15'0	28°12'0	6°1'0	23°5'0	22°57'0	10°47'47	3°46'0	3°38'0	4°59'0	9°9'0	2°43'0	
S 11	11 41 14	27°16'20	19°20'0	15°23'0	16°29'0	28°37'0	6°15'0	23°1'0	22°59'0	10°47'47	3°46'0	3°29'0	4°56'0	9°15'0	2°46'0	
M12	11 45 11	28°15'30	2°11'5	15°57'0	17°44'0	29°3'0	6°29'0	22°56'0	23°1'0	10°47'47	3°47'0	3°22'0	4°53'0	9°22'0	2°49'0	
T 13	11 49 7	29°14'38	15°1'0	16°24'0	18°58'0	29°29'0	6°42'0	22°51'0	23°3'0	10°47'47	3°48'0	3°18'0	4°50'0	9°29'0	2°51'0	
W14	11 53 4	0°13'45	28°9'0	16°44'0	20°12'0	29°55'0	6°56'0	22°47'0	23°5'0	10°46'46	3°48'0	3°D16	4°47'0	9°36'0	2°54'0	
T 15	11 57 0	1°12'49	11°11'31	16°56'0	21°27'0	0°32'1	7°10'0	22°42'0	23°7'0	10°46'46	3°49'0	3°16'0	4°43'0	9°42'0	2°57'0	
F 16	12 0 57	2°11'52	25°8'0	17°R 2	22°41'0	0°48'0	7°24'0	22°37'0	23°8'0	10°46'46	3°50'0	3°17'0	4°40'0	9°49'0	3°0'0	
S 17	12 4 53	3°10'53	9°3'1	17°0'0	23°55'0	1°15'0	7°38'0	22°33'0	23°10'0	10°45'45	3°50'0	3°R17	4°37'0	9°56'0	3°3'0	
S 18	12 8 50	4°9'53	23°11'0	16°52'0	25°9'0	1°42'0	7°52'0	22°28'0	23°12'0	10°45'45	3°51'0	3°16'0	4°34'0	10°2'0	3°6'0	
M19	12 12 47	5°8'50	7°33'7	16°37'0	26°24'0	2°9'0	8°5'0	22°24'0	23°13'0	10°45'45	3°52'0	3°12'0	4°31'0	10°9'0	3°9'0	
T 20	12 16 43	6°7'46	22°15'0	16°17'0	27°38'0	2°36'0	8°19'0	22°19'0	23°15'0	10°44'44	3°53'0	3°6'0	4°28'0	10°16'0	3°13'0	
W21	12 20 40	7°6'40	7°48'0	15°51'0	28°52'0	3°4'0	8°33'0	22°15'0	23°17'0	10°44'44	3°54'0	2°58'0	4°24'0	10°23'0	3°16'0	
T 22	12 24 36	8°5'32	21°0'4	15°20'0	0°11'6	3°31'0	8°46'0	22°10'0	23°18'0	10°43'43	3°54'0	2°49'0	4°21'0	10°29'0	3°19'0	
F 23	12 28 33	9°4'22	6°11'20	14°46'0	1°21'0	3°59'0	9°0'0	22°6'0	23°19'0	10°43'43	3°55'0	2°41'0	4°18'0	10°36'0	3°23'0	
S 24	12 32 29	10°3'10	20°40'0	14°7'0	2°35'0	4°27'0	9°13'0	22°2'0	23°21'0	10°42'42	3°56'0	2°34'0	4°15'0	10°43'0	3°26'0	
S 25	12 36 26	11°1'55	4°38'0	13°26'0	3°49'0	4°55'0	9°27'0	21°57'0	23°22'0	10°42'42	3°57'0	2°28'0	4°12'0	10°49'0	3°30'0	
M26	12 40 22	12°0'39	18°12'0	12°43'0	5°3'0	5°24'0	9°40'0	21°53'0	23°24'0	10°41'41	3°58'0	2°25'0	4°9'0	10°56'0	3°33'0	
T 27	12 44 19	12°59'21	1°11'2	12°0'0	6°17'0	5°52'0	9°53'0	21°49'0	23°25'0	10°40'40	3°59'0	2°D24	4°5'0	11°3'0	3°37'0	
W28	12 48 16	13°58'00	14°6'0	11°16'0	7°32'0	6°21'0	10°6'0	21°45'0	23°26'0	10°40'40	4°0'0	2°25'0	4°2'0	11°10'0	3°40'0	
T 29	12 52 12	14°56'38	26°31'0	10°32'0	8°46'0	6°50'0	10°20'0	21°41'0	23°27'0	10°39'39	4°1'0	2°26'0	3°59'0	11°16'0	3°44'0	
F 30	12 56 9	15°55'13	8°34'0	9°50'0	10°0'0	7°19'0	10°33'0	21°36'0	23°28'0	10°38'38	4°2'0	2°27'0	3°56'0	11°23'0	3°48'0	
S 31	13 0 5	16°53'45	20°38'0	9°10'0	11°11'14	7°38'0	10°46'0	21°32'0	23°29'0	10°37'37	4°3'0	2°R27	3°53'0	11°30'0	3°51'0	

Delta T = 14m26s Julian Calendar 1 March 1156 == Greg. Calendar 8 March 1156

APRIL 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
S 1	13 4 2	17°52'16	2°11'30	8°R33	12°11'28	8°18'0	10°48'59	21°R28	23°30'30	10°R37	4°11'4	2°R26	3°47'49	11°03'36	3°11'55	
M 2	13 7 58	18°50'44	14°22'0	7°11'59	13°42'0	8°47'0	11°12'0	21°11'25	23°31'0	10°37'36	4°5'0	2°47'23	3°46'0	11°43'0	3°59'0	
T 3	13 11 55	19°49'10	26°17'0	7°29'0	14°56'0	9°17'0	11°25'0	21°21'0	23°32'0	10°35'35	4°6'0	2°18'0	3°43'0	11°50'0	4°3'0	
W 4	13 15 51	20°47'34	8°11'20	7°3'0	16°10'0	9°47'0	11°37'0	21°17'0	23°33'0	10°34'34	4°7'0	2°11'0	3°40'0	11°57'0	4°7'0	
T 5	13 19 48	21°45'56	20°32'0	6°41'0	17°24'0	10°16'0	11°50'0	21°13'0	23°34'0	10°33'33	4°8'0	2°4'0	3°37'0	12°3'0	4°11'0	
F 6	13 23 45	22°44'16	2°25'7	6°24'0	18°38'0	10°46'0	12°3'0	21°10'0	23°35'0	10°32'32	4°9'0	1°57'0	3°34'0	12°10'0	4°15'0	
S 7	13 27 41	23°42'34	15°35'0	6°12'0	19°52'0	11°17'0	12°15'0	21°6'0	23°36'0	10°31'31	4°10'0	1°51'0	3°30'0	12°17'0	4°19'0	
S 8	13 31 38	24°40'50	28°27'0	6°5'0	21°6'0	11°47'0	12°28'0	21°3'0	23°36'0	10°30'30	4°11'0	1°45'0	3°27'0	12°23'0	4°23'0	
M 9	13 35 34	25°39'04	11°11'33	6°D 3	22°20'0	12°17'0	12°40'0	20°59'0	23°37'0	10°29'29	4°12'0	1°42'0	3°24'0	12°30'0	4°27'0	
T 10	13 39 31	26°37'17	24°51'0	6°6'0	23°34'0	12°48'0	12°53'0	20°56'0	23°38'0	10°28'28	4°13'0	1°40'0	3°21'0	12°37'0	4°32'0	
W11	13 43 27	27°35'28	8°42'1	6°13'0	24°48'0	13°19'0	13°5'0	20°52'0	23°38'0	10°27'27	4°15'0	1°D40	3°18'0	12°44'0	4°36'0	
T 12	13 47 24	28°33'37	22°1'0	6°25'0	26°2'0	13°49'0	13°17'0	20°49'0	23°39'0	10°26'26	4°16'0	1°41'0	3°14'0	12°50'0	4°40'0	
F 13	13 51 20	29°31'45	5°35'2	6°42'0	27°16'0	14°20'0	13°30'0	20°46'0	23°39'0	10°25'25	4°17'0	1°43'0	3°11'0	12°57'0	4°44'0	
S 14	13 55 17	0°29'51	19°53'0	7°4'0	28°30'0	14°51'0	13°42'0	20°43'0	23°39'0	10°24'24	4°18'0	1°44'0	3°8'0	13°4'0	4°49'0	
S 15	13 59 14	1°27'56	4°38'1	7°29'0	29°44'0	15°22'0	13°54'0	20°40'0	23°40'0	10°23'23	4°19'0	1°R45	3°5'0	13°10'0	4°53'0	
M16	14 3 10	2°26'00	18°16'0	7°59'0	0°8'58	15°54'0	14°6'0	20°37'0	23°40'0	10°22'22	4°20'0	1°44'0	3°2'0	13°17'0	4°58'0	
T 17	14 7 7	3°24'02	2°43'35	8°34'0	2°12'0	16°25'0	14°17'0	20°34'0	23°40'0	10°20'20	4°22'0	1°42'0	2°59'0	13°24'0	5°2'0	
W18	14 11 3	4°22'03	16°55'0	9°12'0	3°26'0	16°56'0	14°29'0	20°32'0	23°40'0	10°19'19	4°23'0	1°38'0	2°55'0	13°31'0	5°7'0	
T 19	14 15 0	5°20'02	1°11'11	9°53'0	4°40'0	17°28'0	14°41'0	20°29'0	23°41'0	10°18'18	4°24'0	1°35'0	2°52'0	13°37'0	5°11'0	
F 20	14 18 56	6°18'00	15°20'0	10°39'0	5°54'0	18°0'0	14°52'0	20°26'0	23°41'0	10°17'17	4°25'0	1°31'0	2°49'0	13°44'0	5°16'0	
S 21	14 22 53	7°15'56	29°15'0	11°28'0	7°8'0	18°31'0	15°4'0	20°24'0	23°R41	10°15'15	4°27'0	1°28'0	2°46'0	13°51'0	5°20'0	
S 22	14 26 49	8°13'51	12°38'54	12°20'0	8°22'0	19°3'0	15°15'0	20°21'0	23°41'0	10°14'14	4°28'0	1°26'0	2°43'0	13°57'0	5°25'0	
M23	14 30 46	9°11'45	26°15'0	13°16'0	9°36'0	19°35'0	15°27'0	20°19'0	23°41'0	10°13'13	4°29'0	1°D25	2°40'0	14°4'0	5°29'0	
T 24	14 34 42	10°9'36	9°11'15	14°15'0	10°49'0	20°7'0	15°38'0	20°17'0	23°41'0	10°11'11	4°30'0	1°25'0	2°36'0	14°11'0	5°34'0	
W25	14 38 39	11°7'26	21°57'0	15°16'0	12°3'0	20°39'0	15°49'0	20°15'0	23°40'0	10°10'10	4°32'0	1°26'0	2°33'0	14°18'0	5°39'0	
T 26	14 42 36	12°5'15	4°32'1	16°21'0	13°17'0	21°12'0	16°0'0	20°13'0	23°40'0	10°9'9	4°33'0	1°27'0	2°30'0	14°24'0	5°43'0	
F 27	14 46 32	13°3'02	16°32'0	17°29'0	14°31'0	21°44'0	16°11'0	20°11'0	23°40'0	10°7'7	4°34'0	1°29'0	2°27'0	14°31'0	5°48'0	
S 28	14 50 29	14°0'47	28°32'0	18°39'0	15°45'0	22°17'0	16°22'0	20°9'0	23°40'0	10°6'6	4°36'0	1°30'0	2°24'0	14°38'0	5°53'0	
S 29	14 54 25	14°58'30	10°11'26	19°52'0	16°59'0	22°49'0	16°33'0	20°7'0	23°39'0	10°5'5	4°37'0	1°R30	2°20'0	14°44'0	5°58'0	
M30	14 58 22	15°56'12	22°11'19	21°11'0	18°11'12	23°22'0	16°43'0	20°11'0	23°39'0	10°3'3	4°38'0	1°43'0	2°17'0	14°51'0	6°11'0	

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SWISS EPHEMERIS for the year 1156

MAY 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	15 2 18	16♌53'52	4♍16	22♍26	19♌26	23♌54	16♌54	20°R 4	23°R38	10°R 2	4♍39	1°R30	2♌14	14♌58	6♍ 7
W 2	15 6 15	17°51'30	16°20	23°47	20°40	24°27	17° 4	20♍ 3	23♌38	10♌ 0	4°41	1♌28	2°11	15° 5	6°12
T 3	15 10 11	18°49'07	28°36	25°10	21°54	25° 0	17°14	20° 1	23°37	9°59	4°42	1°27	2° 8	15°11	6°17
F 4	15 14 8	19°46'43	11♌ 7	26°36	23° 8	25°33	17°25	20° 0	23°37	9°57	4°43	1°25	2° 5	15°18	6°22
S 5	15 18 5	20°44'17	23°56	28° 4	24°21	26° 6	17°35	19°59	23°36	9°56	4°45	1°24	2° 1	15°25	6°27
S 6	15 22 1	21°41'49	7♍ 3	29°35	25°35	26°39	17°45	19°58	23°35	9°54	4°46	1°23	1°58	15°31	6°32
M 7	15 25 58	22°39'21	20°28	1♌ 8	26°49	27°13	17°55	19°57	23°35	9°53	4°48	1°22	1°55	15°38	6°37
T 8	15 29 54	23°36'51	4♌ 9	2°43	28° 3	27°46	18° 4	19°56	23°34	9°51	4°49	1°D22	1°52	15°45	6°42
W 9	15 33 51	24°34'21	18° 6	4°21	29°16	28°19	18°14	19°55	23°33	9°50	4°50	1°22	1°49	15°52	6°47
T 10	15 37 47	25°31'49	2♌13	6° 1	0♍30	28°53	18°23	19°55	23°32	9°48	4°52	1°23	1°46	15°58	6°51
F 11	15 41 44	26°29'16	17°27	7°44	1°44	29°26	18°33	19°54	23°31	9°47	4°53	1°23	1°42	16° 5	6°56
S 12	15 45 40	27°26'43	0♌46	9°29	2°57	0♌ 0	18°42	19°54	23°30	9°45	4°54	1°23	1°39	16°12	7° 1
S 13	15 49 37	28°24'09	15° 4	11°16	4°11	0°33	18°51	19°53	23°29	9°43	4°56	1°24	1°36	16°18	7° 6
M14	15 53 34	29°21'34	29°20	13° 6	5°25	1° 7	19° 0	19°53	23°28	9°42	4°57	1°R24	1°33	16°25	7°11
T 15	15 57 30	0♍18'58	13♌30	14°58	6°38	1°41	19° 9	19°53	23°27	9°40	4°59	1°24	1°30	16°32	7°17
W16	16 1 27	1°16'21	27°32	16°52	7°52	2°15	19°18	19°D53	23°26	9°39	5° 0	1°D24	1°26	16°39	7°22
T 17	16 5 23	2°13'45	11♍24	18°49	9° 6	2°49	19°27	19°53	23°25	9°37	5° 1	1°24	1°23	16°45	7°27
F 18	16 9 20	3°11'07	25° 5	20°47	10°19	3°23	19°35	19°53	23°24	9°35	5° 3	1°24	1°20	16°52	7°32
S 19	16 13 16	4° 8'29	8♌33	22°48	11°33	3°57	19°43	19°53	23°22	9°34	5° 4	1°24	1°17	16°59	7°37
S 20	16 17 13	5° 5'50	21°48	24°51	12°47	4°31	19°52	19°53	23°21	9°32	5° 5	1°24	1°14	17° 5	7°42
M21	16 21 9	6° 3'10	4♍48	26°55	14° 0	5° 5	20° 0	19°54	23°20	9°31	5° 7	1°R24	1°11	17°12	7°47
T 22	16 25 6	7° 0'30	17°34	29° 1	15°14	5°40	20° 8	19°54	23°18	9°29	5° 8	1°24	1° 7	17°19	7°52
W23	16 29 3	7°57'49	0♌ 5	1♍ 9	16°28	6°14	20°16	19°55	23°17	9°27	5°10	1°24	1° 4	17°26	7°57
T 24	16 32 59	8°55'07	12°23	3°18	17°41	6°49	20°23	19°56	23°15	9°26	5°11	1°23	1° 1	17°32	8° 2
F 25	16 36 56	9°52'24	24°31	5°28	18°55	7°23	20°31	19°57	23°14	9°24	5°12	1°22	0°58	17°39	8° 7
S 26	16 40 52	10°49'41	6♌30	7°39	20° 9	7°58	20°38	19°58	23°12	9°22	5°14	1°20	0°55	17°46	8°12
S 27	16 44 49	11°46'56	18°24	9°50	21°22	8°32	20°45	19°59	23°11	9°21	5°15	1°19	0°52	17°53	8°17
M28	16 48 45	12°44'11	0♍17	12° 2	22°36	9° 7	20°52	20° 0	23° 9	9°19	5°17	1°19	0°48	17°59	8°22
T 29	16 52 42	13°41'25	12°12	14°14	23°50	9°42	20°59	20° 1	23° 8	9°18	5°18	1°D18	0°45	18° 6	8°27
W30	16 56 38	14°38'38	24°16	16°25	25° 3	10°17	21° 6	20° 2	23° 6	9°16	5°19	1°18	0°42	18°13	8°32
T 31	17 0 35	15♍35'51	6♌32	18♍36	26♍17	10♌52	21♌13	20♍ 4	23♌ 4	9♌14	5♍21	1♌19	0♌39	18♌19	8♍37

Delta T = 14m25s Julian Calendar 1 May 1156 == Greg. Calendar 8 May 1156

JUNE 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	17 4 32	16♍33'02	19♌ 4	20♍46	27♍30	11♌27	21♌19	20♍ 5	23°R 2	9°R13	5♍22	1♌20	0♌36	18♌26	8♍42
S 2	17 8 28	17°30'13	1♍56	22°56	28°44	12° 2	21°26	20° 7	23♌ 1	9♌11	5°23	1°22	0°32	18°33	8°47
S 3	17 12 25	18°27'24	15°11	25° 4	29°58	12°37	21°32	20° 9	22°59	9°10	5°25	1°23	0°29	18°40	8°53
M 4	17 16 21	19°24'34	28°49	27°10	1♌11	13°12	21°38	20°11	22°57	9° 8	5°26	1°R23	0°26	18°46	8°58
T 5	17 20 18	20°21'44	12♌49	29°15	2°25	13°47	21°44	20°13	22°55	9° 6	5°28	1°23	0°23	18°53	9° 3
W 6	17 24 14	21°18'53	27° 9	1♌18	3°38	14°23	21°49	20°15	22°53	9° 5	5°29	1°22	0°20	19° 0	9° 8
T 7	17 28 11	22°16'02	11♌43	3°20	4°52	14°58	21°55	20°17	22°51	9° 3	5°30	1°20	0°17	19° 6	9°13
F 8	17 32 8	23°13'12	26°25	5°20	6° 5	15°33	22° 0	20°19	22°49	9° 2	5°32	1°17	0°13	19°13	9°18
S 9	17 36 4	24°10'21	11♌ 8	7°17	7°19	16° 9	22° 5	20°21	22°47	9° 0	5°33	1°14	0°10	19°20	9°22
S 10	17 40 1	25° 7'30	25°46	9°13	8°32	16°44	22°10	20°24	22°45	8°59	5°34	1°11	0° 7	19°27	9°27
M11	17 43 57	26° 4'39	10♌12	11° 7	9°46	17°20	22°15	20°26	22°43	8°57	5°36	1°10	0° 4	19°33	9°32
T 12	17 47 54	27° 1'48	24°23	12°59	10°59	17°55	22°20	20°29	22°41	8°56	5°37	1°D 9	0° 1	19°40	9°37
W13	17 51 50	27°58'58	8♍17	14°49	12°13	18°31	22°24	20°31	22°39	8°54	5°38	1° 9	29♍58	19°47	9°42
T 14	17 55 47	28°56'08	21°55	16°36	13°26	19° 7	22°29	20°34	22°37	8°53	5°39	1°10	29°54	19°54	9°47
F 15	17 59 43	29°53'18	5♌16	18°22	14°40	19°43	22°33	20°37	22°35	8°51	5°41	1°12	29°51	20° 0	9°52
S 16	18 3 40	0♌50'29	18°22	20° 5	15°54	20°18	22°37	20°40	22°33	8°50	5°42	1°13	29°48	20° 7	9°57
S 17	18 7 37	1°47'40	1♍14	21°47	17° 7	20°54	22°41	20°43	22°31	8°48	5°43	1°R14	29°45	20°14	10° 2
M18	18 11 33	2°44'51	13°54	23°26	18°21	21°30	22°44	20°46	22°28	8°47	5°45	1°13	29°42	20°20	10° 7
T 19	18 15 30	3°42'02	26°22	25° 3	19°34	22° 6	22°48	20°49	22°26	8°45	5°46	1°11	29°38	20°27	10°11
W20	18 19 26	4°39'14	8♌30	26°39	20°48	22°43	22°51	20°53	22°24	8°44	5°47	1° 7	29°35	20°34	10°16
T 21	18 23 23	5°36'26	20°49	28°12	22° 1	23°19	22°54	20°56	22°22	8°42	5°48	1° 2	29°32	20°41	10°21
F 22	18 27 19	6°33'38	2♌51	29°43	23°15	23°55	22°57	21° 0	22°19	8°41	5°50	0°55	29°29	20°47	10°26
S 23	18 31 16	7°30'50	14°47	1♌12	24°28	24°31	23° 0	21° 3	22°17	8°40	5°51	0°49	29°26	20°54	10°30
S 24	18 35 12	8°28'02	26°39	2°38	25°42	25° 7	23° 2	21° 7	22°15	8°38	5°52	0°43	29°23	21° 1	10°35
M25	18 39 9	9°25'15	8♍31	4° 3	26°55	25°44	23° 4	21°11	22°12	8°37	5°53	0°38	29°19	21° 7	10°40
T 26	18 43 6	10°22'27	20°26	5°25	28° 8	26°20	23° 7	21°14	22°10	8°36	5°54	0°34	29°16	21°14	10°44
W27	18 47 2	11°19'40	2♌27	6°46	29°22	26°57	23° 8	21°18	22° 8	8°34	5°56	0°32	29°13	21°21	10°49
T 28	18 50 59	12°16'53	14°40	8° 3	0♌35	27°33	23°10	21°22	22° 5	8°33	5°57	0°D32	29°10	21°28	10°53
F 29	18 54 55	13°14'06	27° 9	9°19	1°49	28°10	23°12	21°26	22° 3	8°32	5°58	0°32	29° 7	21°34	10°58
S 30	18 58 52	14♌11'19	9♍59	10♌32	3♌ 2	28♌47	23♌13	21♍31	22♌ 1	8♌30	5♍59	0♌34	29♍ 3	21♌41	11♍ 2

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SWISS EPHEMERIS for the year 1156

JULY 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	19 2 48	15☾ 8'33	23♌13	11♌43	4♌16	29♌23	23♌14	21♌35	21°R58	8°R29	6♌0	0♌35	29♌0	21♌48	11♌7
M 2	19 6 45	16° 5'47	6♌54	12°51	5°29	0♌0	23°15	21°39	21°56	8♌28	6° 1	0°R35	28°57	21°55	11°11
T 3	19 10 41	17° 3'01	21° 3	13°56	6°42	0°37	23°16	21°43	21°54	8°27	6° 2	0°33	28°54	22° 1	11°16
W 4	19 14 38	18° 0'16	5♌37	14°59	7°56	1°14	23°17	21°48	21°51	8°26	6° 3	0°30	28°51	22° 8	11°20
T 5	19 18 35	18°57'32	20°30	15°59	9° 9	1°51	23°17	21°52	21°49	8°25	6° 4	0°24	28°48	22°15	11°25
F 6	19 22 31	19°54'48	5♌35	16°56	10°22	2°28	23°R17	21°57	21°46	8°23	6° 6	0°17	28°44	22°21	11°29
S 7	19 26 28	20°52'05	20°41	17°50	11°36	3° 5	23°17	22° 2	21°44	8°22	6° 7	0°10	28°41	22°28	11°33
S 8	19 30 24	21°49'23	5♌40	18°41	12°49	3°42	23°17	22° 6	21°42	8°21	6° 8	0° 3	28°38	22°35	11°37
M 9	19 34 21	22°46'42	20°23	19°29	14° 2	4°19	23°17	22°11	21°39	8°20	6° 9	29♌57	28°35	22°42	11°42
T 10	19 38 17	23°44'02	4♌44	20°13	15°16	4°56	23°16	22°16	21°37	8°19	6°10	29°54	28°32	22°48	11°46
W11	19 42 14	24°41'23	18°41	20°53	16°29	5°33	23°15	22°21	21°34	8°18	6°11	29°52	28°29	22°55	11°50
T 12	19 46 10	25°38'45	2♌14	21°30	17°42	6°10	23°14	22°26	21°32	8°17	6°12	29°D52	28°25	23° 2	11°54
F 13	19 50 7	26°36'09	15°25	22° 3	18°56	6°48	23°13	22°31	21°30	8°16	6°13	29°53	28°22	23° 8	11°58
S 14	19 54 4	27°33'34	28°17	22°32	20° 9	7°25	23°12	22°36	21°27	8°15	6°13	29°R54	28°19	23°15	12° 2
S 15	19 58 0	28°31'00	10♌54	22°56	21°22	8° 3	23°10	22°41	21°25	8°14	6°14	29°53	28°16	23°22	12° 6
M16	20 1 57	29°28'27	23°18	23°16	22°35	8°40	23° 8	22°47	21°22	8°14	6°15	29°50	28°13	23°29	12°10
T 17	20 5 53	0♌25'56	5♌32	23°31	23°49	9°18	23° 6	22°52	21°20	8°13	6°16	29°45	28° 9	23°35	12°14
W18	20 9 50	1°23'25	17°38	23°41	25° 2	9°55	23° 4	22°58	21°18	8°12	6°17	29°38	28° 6	23°42	12°18
T 19	20 13 46	2°20'56	29°38	23°R46	26°15	10°33	23° 2	23° 3	21°15	8°11	6°18	29°28	28° 3	23°49	12°21
F 20	20 17 43	3°18'28	11♌34	23°46	27°28	11°11	22°59	23° 9	21°13	8°10	6°19	29°16	28° 0	23°56	12°25
S 21	20 21 39	4°16'01	23°27	23°40	28°41	11°48	22°56	23°14	21°11	8°10	6°20	29° 4	27°57	24° 2	12°29
S 22	20 25 36	5°13'35	5♌19	23°29	29°55	12°26	22°53	23°20	21° 8	8° 9	6°20	28°52	27°54	24° 9	12°32
M23	20 29 33	6°11'10	17°10	23°13	1♌8	13° 4	22°50	23°26	21° 6	8° 8	6°21	28°42	27°50	24°16	12°36
T 24	20 33 29	7° 8'46	29° 5	22°51	2°21	13°42	22°47	23°31	21° 4	8° 8	6°22	28°34	27°47	24°22	12°40
W25	20 37 26	8° 6'23	11♌6	22°24	3°34	14°20	22°43	23°37	21° 2	8° 7	6°23	28°28	27°44	24°29	12°43
T 26	20 41 22	9° 4'01	23° 18	21°52	4°47	14°58	22°40	23°43	20°59	8° 6	6°23	28°25	27°41	24°36	12°47
F 27	20 45 19	10° 1'41	5♌43	21°15	6° 0	15°36	22°36	23°49	20°57	8° 6	6°24	28°D24	27°38	24°43	12°50
S 28	20 49 15	10°59'21	18°28	20°33	7°13	16°14	22°32	23°55	20°55	8° 5	6°25	28°24	27°35	24°49	12°53
S 29	20 53 12	11°57'02	1♌37	19°48	8°26	16°53	22°28	24° 1	20°53	8° 5	6°26	28°R24	27°31	24°56	12°57
M30	20 57 8	12°54'45	15°13	19° 0	9°39	17°31	22°23	24° 7	20°50	8° 4	6°26	28°23	27°28	25° 3	13° 0
T 31	21 1 5	13♌52'29	29♌18	18♌9	10♌52	18♌9	22♌19	24♌13	20°58	8♌4	6♌27	28♌20	27♌25	25♌10	13♌3

Delta T = 14m25s

Julian Calendar 1 July 1156 == Greg. Calendar 8 July 1156

AUGUST 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	21 5 2	14♌50'14	13♌52	17°R17	12♌5	18♌47	22°R14	24♌19	20°R46	8°R 3	6♌28	28°R15	27♌22	25♌16	13♌6
T 2	21 8 58	15°48'00	28°50	16♌24	13°18	19°26	22♌9	24°26	20°54	8♌3	6°28	28♌7	27°19	25°23	13° 9
F 3	21 12 55	16°45'48	14♌5	15°32	14°31	20° 4	22° 4	24°32	20°42	8° 3	6°29	27°57	27°15	25°30	13°12
S 4	21 16 51	17°43'37	29°25	14°41	15°44	20°43	21°59	24°38	20°40	8° 2	6°29	27°46	27°12	25°36	13°15
S 5	21 20 48	18°41'27	14♌39	13°53	16°57	21°21	21°53	24°45	20°38	8° 2	6°30	27°36	27° 9	25°43	13°18
M 6	21 24 44	19°39'20	29°37	13° 9	18°10	22° 0	21°48	24°51	20°36	8° 2	6°30	27°28	27° 6	25°50	13°21
T 7	21 28 41	20°37'14	14♌11	12°30	19°23	22°39	21°42	24°57	20°34	8° 2	6°31	27°22	27° 3	25°57	13°24
W 8	21 32 37	21°35'10	28°17	11°56	20°36	23°17	21°36	25° 4	20°32	8° 2	6°31	27°18	27° 0	26° 3	13°26
T 9	21 36 34	22°33'07	11♌55	11°28	21°48	23°56	21°30	25°10	20°30	8° 1	6°32	27°17	26°56	26°10	13°29
F 10	21 40 31	23°31'07	25° 6	11° 8	23° 1	24°35	21°24	25°17	20°28	8° 1	6°32	27°16	26°53	26°17	13°32
S 11	21 44 27	24°29'09	7♌5	10°56	24°14	25°14	21°18	25°24	20°26	8° 1	6°33	27°16	26°50	26°23	13°34
S 12	21 48 24	25°27'13	20°24	10°D51	25°27	25°53	21°11	25°30	20°24	8° 1	6°33	27°15	26°47	26°30	13°37
M13	21 52 20	26°25'19	29°39	10°55	26°39	26°32	21° 5	25°37	20°23	8°D 1	6°33	27°11	26°44	26°37	13°39
T 14	21 56 17	27°23'26	14°44	11° 7	27°52	27°11	20°58	25°44	20°21	8° 1	6°34	27° 5	26°41	26°44	13°41
W15	22 0 13	28°21'36	26°43	11°28	29° 5	27°50	20°52	25°51	20°19	8° 1	6°34	26°56	26°37	26°50	13°44
T 16	22 4 10	29°19'47	8♌37	11°57	0♌17	28°29	20°45	25°57	20°17	8° 1	6°34	26°44	26°34	26°57	13°46
F 17	22 8 6	0♌18'01	20°30	12°35	1°30	29° 8	20°38	26° 4	20°16	8° 1	6°35	26°31	26°31	27° 4	13°48
S 18	22 12 3	1°16'16	2♌22	13°21	2°43	29°48	20°31	26°11	20°14	8° 1	6°35	26°16	26°28	27°11	13°50
S 19	22 16 0	2°14'33	14°14	14°14	3°55	0♌27	20°23	26°18	20°13	8° 2	6°35	26° 2	26°25	27°17	13°52
M20	22 19 56	3°12'51	26°10	15°15	5° 8	1° 6	20°16	26°25	20°11	8° 2	6°36	25°50	26°21	27°24	13°54
T 21	22 23 53	4°11'12	8♌9	16°23	6°20	1°46	20° 9	26°32	20° 9	8° 2	6°36	25°40	26°18	27°31	13°56
W22	22 27 49	5° 9'34	20°14	17°37	7°33	2°25	20° 1	26°39	20° 8	8° 2	6°36	25°33	26°15	27°37	13°58
T 23	22 31 46	6° 7'58	2♌29	18°57	8°45	3° 5	19°54	26°46	20° 7	8° 3	6°36	25°28	26°12	27°44	13°59
F 24	22 35 42	7° 6'23	14°56	20°23	9°58	3°44	19°46	26°53	20° 5	8° 3	6°36	25°27	26° 9	27°51	14° 1
S 25	22 39 39	8° 4'50	27°40	21°53	11°10	4°24	19°38	27° 0	20° 4	8° 3	6°36	25°D26	26° 6	27°58	14° 3
S 26	22 43 35	9° 3'19	10♌44	23°28	12°23	5° 4	19°31	27° 7	20° 3	8° 4	6°36	25°R26	26° 2	28° 4	14° 4
M27	22 47 32	10° 1'50	24°12	25° 6	13°35	5°44	19°23	27°14	20° 1	8° 4	6°37	25°26	25°59	28°11	14° 6
T 28	22 51 29	11° 0'22	8♌8	26°47	14°47	6°23	19°15	27°21	20° 0	8° 5	6°37	25°23	25°56	28°18	14° 7
W29	22 55 25	11°58'56	22°31	28°31	16° 0	7° 3	19° 7	27°28	19°59	8° 5	6°37	25°18	25°53	28°25	14° 8
T 30	22 59 22	12°57'31	7♌19	0♌16	17°12	7°43	18°59	27°36	19°58	8° 6	6°R37	25°11	25°50	28°31	14°10
F 31	23 3 18	13♌56'09	22♌26	2♌4	18♌24	8♌23	18♌51	27♌43	19°57	8♌6	6♌37	25♌2	25♌47	28♌38	14♌11

Delta T = 14m24s

Julian Calendar

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SWISS EPHEMERIS for the year 1156

SEPTEMBER 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	23 7 15	14 ^h 54'48	7 ^h 43	3 ^h 53	19 ^h 36	9 ^h 3	18°R43	27 ^h 50	19°R55	8 ^h 7	6°R37	24°R52	25 ^h 43	28 ^h 45	14 ^h 12
S 2	23 11 11	15°53'29	22°59	5°42	20°48	9°43	18 ^h 35	27°57	19 ^h 54	8° 7	6 ^h 37	24 ^h 42	25°40	28°51	14°13
M 3	23 15 8	16°52'12	8 ^h Y 3	7°32	22° 1	10°23	18°27	28° 4	19°54	8° 8	6°37	24°33	25°37	28°58	14°14
T 4	23 19 4	17°50'57	22°44	9°23	23°13	11° 4	18°19	28°12	19°53	8° 9	6°36	24°27	25°34	29° 5	14°15
W 5	23 23 1	18°49'44	6 ^h 59	11°14	24°25	11°44	18°11	28°19	19°52	8° 9	6°36	24°24	25°31	29°12	14°15
T 6	23 26 57	19°48'34	20°45	13° 4	25°37	12°24	18° 3	28°26	19°51	8°10	6°36	24°D23	25°27	29°18	14°16
F 7	23 30 54	20°47'26	4 ^h II 2	14°55	26°49	13° 5	17°55	28°34	19°50	8°11	6°36	24°23	25°24	29°25	14°17
S 8	23 34 51	21°46'21	16°53	16°45	28° 1	13°45	17°47	28°41	19°49	8°12	6°36	24°R23	25°21	29°32	14°17
S 9	23 38 47	22°45'18	29°23	18°34	29°12	14°26	17°39	28°48	19°49	8°13	6°36	24°23	25°18	29°38	14°18
M10	23 42 44	23°44'17	11 ^h 38	20°23	0 ^h ML24	15° 6	17°31	28°55	19°48	8°14	6°35	24°22	25°15	29°45	14°18
T 11	23 46 40	24°43'18	23°40	22°11	1°36	15°47	17°23	29° 3	19°47	8°14	6°35	24°18	25°12	29°52	14°19
W12	23 50 37	25°42'22	5 ^h Ω35	23°59	2°48	16°27	17°15	29°10	19°47	8°15	6°35	24°11	25° 8	29°59	14°19
T 13	23 54 33	26°41'28	17°27	25°46	4° 0	17° 8	17° 8	29°17	19°46	8°16	6°35	24° 2	25° 5	0 ^h η 5	14°19
F 14	23 58 30	27°40'36	29°19	27°32	5°11	17°49	17° 0	29°25	19°46	8°17	6°34	23°52	25° 2	0°12	14°19
S 15	0 2 26	28°39'47	11 ^h η12	29°17	6°23	18°30	16°52	29°32	19°45	8°18	6°34	23°41	24°59	0°19	14°R19
S 16	0 6 23	29°38'59	23° 9	1 ^h Ω 2	7°35	19°11	16°44	29°39	19°45	8°19	6°34	23°31	24°56	0°26	14°19
M17	0 10 20	0 ^h Ω38'14	5 ^h Ω12	2°45	8°46	19°51	16°37	29°47	19°45	8°21	6°33	23°21	24°52	0°32	14°19
T 18	0 14 16	1°37'30	17°20	4°28	9°58	20°32	16°29	29°54	19°45	8°22	6°33	23°14	24°49	0°39	14°19
W19	0 18 13	2°36'49	29°37	6°10	11° 9	21°14	16°22	0 ^h Ω 2	19°44	8°23	6°33	23° 8	24°46	0°46	14°19
T 20	0 22 9	3°36'10	12 ^h ML 3	7°52	12°21	21°55	16°15	0° 9	19°44	8°24	6°32	23° 6	24°43	0°52	14°18
F 21	0 26 6	4°35'33	24°40	9°32	13°32	22°36	16° 7	0°16	19°44	8°25	6°32	23°D 5	24°40	0°59	14°18
S 22	0 30 2	5°34'57	7 ^h Ω31	11°12	14°44	23°17	16° 0	0°23	19°D44	8°26	6°31	23° 6	24°37	1° 6	14°17
S 23	0 33 59	6°34'24	20°38	12°51	15°55	23°58	15°53	0°31	19°44	8°28	6°31	23° 7	24°33	1°13	14°17
M24	0 37 55	7°33'52	4 ^h Ω 4	14°30	17° 6	24°40	15°46	0°38	19°44	8°29	6°30	23°R 8	24°30	1°19	14°16
T 25	0 41 52	8°33'22	17°52	16° 7	18°17	25°21	15°39	0°45	19°44	8°30	6°30	23° 8	24°27	1°26	14°16
W26	0 45 49	9°32'54	2 ^h Ω 2	17°44	19°28	26° 2	15°33	0°53	19°44	8°32	6°29	23° 5	24°24	1°33	14°15
T 27	0 49 45	10°32'27	16°32	19°21	20°40	26°44	15°26	1° 0	19°45	8°33	6°29	23° 2	24°21	1°39	14°14
F 28	0 53 42	11°32'02	1 ^h Ω19	20°56	21°51	27°25	15°20	1° 7	19°45	8°34	6°28	22°56	24°18	1°46	14°13
S 29	0 57 38	12°31'39	16°16	22°31	23° 1	28° 7	15°13	1°14	19°45	8°36	6°27	22°50	24°14	1°53	14°12
S 30	1 1 35	13 ^h Ω31'18	1 ^h Y16	24 ^h Ω 6	24 ^h ML12	28 ^h Ω49	15 ^h Ω 7	1 ^h Ω22	19 ^h Ω46	8 ^h Ω37	6 ^h II27	22 ^h ML44	24 ^h ML11	2 ^h η 0	14 ^h II11

Delta T = 14m24s Julian Calendar 1 Sept. 1156 == Greg. Calendar 8 Sept. 1156

OCTOBER 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
M 1	1 5 31	14 ^h Ω30'59	16 ^h Y 8	25 ^h Ω39	25 ^h ML23	29 ^h Ω30	15°R 1	1 ^h Ω29	19 ^h Ω46	8 ^h Ω39	6°R26	22°R39	24 ^h ML 8	2 ^h η 6	14°R10
T 2	1 9 28	15°30'42	0 ^h Ω45	27°13	26°34	0 ^h ML12	14 ^h Ω55	1°36	19°46	8°40	6 ^h II25	22 ^h ML35	24° 5	2°13	14 ^h II 8
W 3	1 13 24	16°30'27	15° 0	28°45	27°45	0°54	14°50	1°43	19°47	8°42	6°25	22°34	24° 2	2°20	14° 7
T 4	1 17 21	17°30'14	28°49	0 ^h ML17	28°55	1°36	14°44	1°51	19°47	8°43	6°24	22°D33	23°58	2°27	14° 6
F 5	1 21 17	18°30'04	12 ^h II11	1°49	0 ^h Ω 6	2°18	14°39	1°58	19°48	8°45	6°23	22°35	23°55	2°33	14° 4
S 6	1 25 14	19°29'56	25° 9	3°20	1°16	3° 0	14°33	2° 5	19°49	8°47	6°23	22°36	23°52	2°40	14° 3
S 7	1 29 11	20°29'50	7 ^h Ω44	4°50	2°27	3°42	14°28	2°12	19°49	8°48	6°22	22°38	23°49	2°47	14° 1
M 8	1 33 7	21°29'46	20° 1	6°20	3°37	4°24	14°23	2°19	19°50	8°50	6°21	22°R38	23°46	2°53	13°59
T 9	1 37 4	22°29'44	2 ^h Ω 6	7°49	4°47	5° 6	14°19	2°26	19°51	8°52	6°20	22°38	23°43	3° 0	13°58
W10	1 41 0	23°29'45	14° 1	9°18	5°57	5°48	14°14	2°33	19°52	8°53	6°20	22°36	23°39	3° 7	13°56
T 11	1 44 57	24°29'48	25°53	10°46	7° 8	6°31	14°10	2°40	19°53	8°55	6°19	22°33	23°36	3°14	13°54
F 12	1 48 53	25°29'52	7 ^h η45	12°14	8°18	7°13	14° 5	2°47	19°54	8°57	6°18	22°29	23°33	3°20	13°52
S 13	1 52 50	26°29'59	19°41	13°41	9°28	7°55	14° 1	2°54	19°55	8°59	6°17	22°24	23°30	3°27	13°50
S 14	1 56 46	27°30'08	1 ^h Ω44	15° 7	10°37	8°38	13°58	3° 1	19°56	9° 0	6°16	22°20	23°27	3°34	13°48
M15	2 0 43	28°30'19	13°55	16°33	11°47	9°20	13°54	3° 8	19°57	9° 2	6°15	22°16	23°23	3°40	13°46
T 16	2 4 40	29°30'32	26°16	17°58	12°57	10° 3	13°50	3°15	19°58	9° 4	6°14	22°13	23°20	3°47	13°44
W17	2 8 36	0 ^h ML30'47	8 ^h ML49	19°22	14° 7	10°46	13°47	3°21	19°59	9° 6	6°14	22°11	23°17	3°54	13°41
T 18	2 12 33	1°31'03	21°33	20°45	15°16	11°28	13°44	3°28	20° 1	9° 8	6°13	22°D10	23°14	4° 1	13°39
F 19	2 16 29	2°31'22	4 ^h Ω29	22° 8	16°25	12°11	13°41	3°35	20° 2	9°10	6°12	22°11	23°11	4° 7	13°37
S 20	2 20 26	3°31'42	17°39	23°30	17°35	12°54	13°38	3°42	20° 3	9°12	6°11	22°12	23° 8	4°14	13°34
S 21	2 24 22	4°32'03	1 ^h Ω 1	24°50	18°44	13°37	13°36	3°48	20° 5	9°13	6°10	22°13	23° 4	4°21	13°32
M22	2 28 19	5°32'26	14°37	26°10	19°53	14°20	13°34	3°55	20° 6	9°15	6° 9	22°15	23° 1	4°28	13°29
T 23	2 32 15	6°32'51	28°26	27°28	21° 2	15° 3	13°32	4° 2	20° 8	9°17	6° 8	22°15	22°58	4°34	13°27
W24	2 36 12	7°33'16	12 ^h Ω29	28°45	22°11	15°46	13°30	4° 8	20° 9	9°19	6° 7	22°R15	22°55	4°41	13°24
T 25	2 40 9	8°33'43	26°44	0 ^h Ω 1	23°19	16°29	13°28	4°15	20°11	9°21	6° 6	22°15	22°52	4°48	13°21
F 26	2 44 5	9°34'12	11 ^h Ω 9	1°14	24°28	17°12	13°27	4°21	20°13	9°23	6° 5	22°14	22°49	4°54	13°18
S 27	2 48 2	10°34'41	25°39	2°26	25°36	17°55	13°25	4°28	20°14	9°25	6° 4	22°12	22°45	5° 1	13°16
S 28	2 51 58	11°35'12	10 ^h Y11	3°35	26°45	18°38	13°24	4°34	20°16	9°27	6° 3	22°11	22°42	5° 8	13°13
M29	2 55 55	12°35'45	24°38	4°42	27°53	19°21	13°23	4°40	20°18	9°30	6° 2	22°10	22°39	5°15	13°10
T 30	2 59 51	13°36'19	8 ^h Ω54	5°46	29° 1	20° 5	13°23	4°47	20°20	9°32	6° 1	22° 9	22°36	5°21	13° 7
W31	3 3 48	14 ^h ML36'54	22 ^h Ω55	6 ^h Ω47	0 ^h Ω 9	20 ^h ML48	13 ^h Ω22	4 ^h Ω53	20 ^h Ω21	9 ^h Ω34	6 ^h II 0	22°D 9	22 ^h ML33	5 ^h η28	13 ^h II 4

Delta T = 14m24s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1156

NOVEMBER 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	3 7 44	15♌37'31	6♐37	7♌45	1♌16	21♌31	13°R22	4♌59	20♌23	9♌36	5°R59	22♌ 9	22♌29	5♌35	13°R 1
F 2	3 11 41	16°38'10	19°57	8°38	2°24	22°15	13°D22	5° 5	20°25	9°38	5♐57	22° 9	22°26	5°41	12♐58
S 3	3 15 38	17°38'50	2♌56	9°26	3°31	22°59	13♌22	5°11	20°27	9°40	5°56	22°10	22°23	5°48	12°54
S 4	3 19 34	18°39'32	15°34	10°10	4°38	23°42	13°23	5°17	20°29	9°42	5°55	22°10	22°20	5°55	12°51
M 5	3 23 31	19°40'16	27°55	10°47	5°45	24°26	13°23	5°23	20°31	9°44	5°54	22°11	22°17	6° 2	12°48
T 6	3 27 27	20°41'01	10♌ 3	11°18	6°52	25° 9	13°24	5°29	20°34	9°46	5°53	22°11	22°14	6° 8	12°45
W 7	3 31 24	21°41'47	22° 0	11°41	7°59	25°53	13°25	5°35	20°36	9°49	5°52	22°11	22°10	6°15	12°41
T 8	3 35 20	22°42'35	3♐53	11°56	9° 5	26°37	13°26	5°41	20°38	9°51	5°51	22°11	22° 7	6°22	12°38
F 9	3 39 17	23°43'25	15°45	12°R 2	10°12	27°21	13°28	5°46	20°40	9°53	5°50	22°11	22° 4	6°28	12°35
S 10	3 43 13	24°44'16	27°42	11°59	11°18	28° 5	13°29	5°52	20°43	9°55	5°49	22°11	22° 1	6°35	12°31
S 11	3 47 10	25°45'09	9♌48	11°44	12°23	28°49	13°31	5°58	20°45	9°57	5°47	22°12	21°58	6°42	12°28
M12	3 51 7	26°46'03	22° 5	11°19	13°29	29°33	13°33	6° 3	20°47	10° 0	5°46	22°12	21°55	6°49	12°24
T 13	3 55 3	27°46'58	4♌37	10°43	14°34	0♌17	13°36	6° 9	20°50	10° 2	5°45	22°13	21°51	6°55	12°21
W14	3 59 0	28°47'54	17°25	9°56	15°39	1° 1	13°38	6°14	20°52	10° 4	5°44	22°R13	21°48	7° 2	12°17
T 15	4 2 56	29°48'52	0♌31	8°58	16°44	1°45	13°41	6°19	20°55	10° 6	5°43	22°13	21°45	7° 9	12°14
F 16	4 6 53	0♌49'51	13°52	7°51	17°49	2°29	13°43	6°25	20°57	10° 9	5°42	22°12	21°42	7°16	12°10
S 17	4 10 49	1°50'51	27°28	6°37	18°53	3°14	13°47	6°30	21° 0	10°11	5°41	22°11	21°39	7°22	12° 7
S 18	4 14 46	2°51'51	11♌17	5°17	19°57	3°58	13°50	6°35	21° 2	10°13	5°39	22°10	21°35	7°29	12° 3
M19	4 18 42	3°52'53	25°15	3°54	21° 1	4°42	13°53	6°40	21° 5	10°15	5°38	22° 9	21°32	7°36	11°59
T 20	4 22 39	4°53'55	9♌20	2°32	22° 4	5°27	13°57	6°45	21° 8	10°18	5°37	22° 7	21°29	7°42	11°56
W21	4 26 36	5°54'57	23°30	1°12	23° 8	6°11	14° 1	6°50	21°10	10°20	5°36	22° 6	21°26	7°49	11°52
T 22	4 30 32	6°56'00	7♌41	29♌57	24°10	6°56	14° 5	6°55	21°13	10°22	5°35	22°D 6	21°23	7°56	11°48
F 23	4 34 29	7°57'03	21°51	28°51	25°13	7°41	14° 9	6°59	21°16	10°24	5°34	22° 6	21°20	8° 3	11°45
S 24	4 38 25	8°58'07	5♏59	27°53	26°15	8°25	14°13	7° 4	21°19	10°27	5°32	22° 7	21°16	8° 9	11°41
S 25	4 42 22	9°59'12	20° 3	27° 6	27°17	9°10	14°18	7° 9	21°21	10°29	5°31	22° 9	21°13	8°16	11°37
M26	4 46 18	11° 0'16	3♌59	26°29	28°18	9°55	14°23	7°13	21°24	10°31	5°30	22°10	21°10	8°23	11°34
T 27	4 50 15	12° 1'22	17°47	26° 4	29°19	10°39	14°28	7°18	21°27	10°33	5°29	22°R11	21° 7	8°29	11°30
W28	4 54 11	13° 2'28	1♐23	25°50	0♌20	11°24	14°33	7°22	21°30	10°36	5°28	22°10	21° 4	8°36	11°26
T 29	4 58 8	14° 3'34	14°46	25°D46	1°20	12° 9	14°38	7°26	21°33	10°38	5°27	22° 9	21° 1	8°43	11°23
F 30	5 2 5	15♌4'41	27♐54	25♌52	2♌20	12♌54	14♌44	7♌30	21♌36	10♌40	5♐26	22♌ 6	20♌57	8♐50	11♐19

Delta T = 14m24s Julian Calendar 1 Nov. 1156 == Greg. Calendar 8 Nov. 1156

DECEMBER 1156 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	5 6 1	16♌5'49	10♌45	26♌ 7	3♌19	13♌39	14♌49	7♌35	21♌39	10♌43	5°R24	22°R 3	20♌54	8♐56	11°R15
S 2	5 9 58	17° 6'57	23°21	26°30	4°18	14°24	14°55	7°39	21°42	10°45	5♐23	21♌59	20°51	9° 3	11♐12
M 3	5 13 54	18° 8'05	5♌41	27° 1	5°16	15° 9	15° 1	7°42	21°45	10°47	5°22	21°54	20°48	9°10	11° 8
T 4	5 17 51	19° 9'15	17°49	27°38	6°14	15°54	15° 7	7°46	21°48	10°49	5°21	21°50	20°45	9°16	11° 4
W 5	5 21 47	20°10'24	29°47	28°22	7°11	16°39	15°14	7°50	21°51	10°52	5°20	21°47	20°41	9°23	11° 1
T 6	5 25 44	21°11'35	11♐40	29°10	8° 8	17°24	15°20	7°54	21°54	10°54	5°19	21°45	20°38	9°30	10°57
F 7	5 29 40	22°12'45	23°32	0♌ 4	9° 4	18°10	15°27	7°57	21°58	10°56	5°18	21°D45	20°35	9°37	10°53
S 8	5 33 37	23°13'57	5♌27	1° 1	9°59	18°55	15°34	8° 1	22° 1	10°58	5°17	21°45	20°32	9°43	10°50
S 9	5 37 34	24°15'09	17°32	2° 2	10°54	19°40	15°41	8° 4	22° 4	11° 0	5°15	21°47	20°29	9°50	10°46
M10	5 41 30	25°16'21	29°50	3° 6	11°49	20°25	15°48	8° 8	22° 7	11° 3	5°14	21°49	20°26	9°57	10°43
T 11	5 45 27	26°17'33	12♌26	4°13	12°42	21°11	15°56	8°11	22°10	11° 5	5°13	21°50	20°22	10° 3	10°39
W12	5 49 23	27°18'46	25°23	5°23	13°35	21°56	16° 3	8°14	22°14	11° 7	5°12	21°R51	20°19	10°10	10°36
T 13	5 53 20	28°20'00	8♌43	6°35	14°27	22°42	16°11	8°17	22°17	11° 9	5°11	21°49	20°16	10°17	10°32
F 14	5 57 16	29°21'13	22°26	7°49	15°19	23°27	16°19	8°20	22°20	11°11	5°10	21°46	20°13	10°24	10°29
S 15	6 1 13	0♌22'26	6♌29	9° 5	16°10	24°13	16°27	8°23	22°24	11°14	5° 9	21°41	20°10	10°30	10°25
S 16	6 5 9	1°23'40	20°47	10°22	17° 0	24°59	16°35	8°25	22°27	11°16	5° 8	21°35	20° 7	10°37	10°22
M17	6 9 6	2°24'53	5♌16	11°41	17°49	25°44	16°43	8°28	22°30	11°18	5° 7	21°28	20° 3	10°44	10°19
T 18	6 13 3	3°26'05	19°48	13° 1	18°37	26°30	16°51	8°31	22°34	11°20	5° 6	21°22	20° 0	10°50	10°15
W19	6 16 59	4°27'17	4♌17	14°22	19°24	27°16	17° 0	8°33	22°37	11°22	5° 5	21°17	19°57	10°57	10°12
T 20	6 20 56	5°28'29	18°39	15°44	20°11	28° 2	17° 9	8°35	22°40	11°24	5° 4	21°13	19°54	11° 4	10° 9
F 21	6 24 52	6°29'40	2♏51	17° 7	20°56	28°47	17°18	8°38	22°44	11°26	5° 3	21°D12	19°51	11°11	10° 5
S 22	6 28 49	7°30'50	16°49	18°32	21°41	29°33	17°27	8°40	22°47	11°29	5° 2	21°12	19°47	11°17	10° 2
S 23	6 32 45	8°32'00	0♌35	19°57	22°24	0♌19	17°36	8°42	22°51	11°31	5° 1	21°13	19°44	11°24	9°59
M24	6 36 42	9°33'09	14° 8	21°22	23° 6	1° 5	17°45	8°44	22°54	11°33	5° 0	21°15	19°41	11°31	9°56
T 25	6 40 38	10°34'18	27°30	22°49	23°47	1°51	17°54	8°45	22°58	11°35	4°59	21°R15	19°38	11°37	9°53
W26	6 44 35	11°35'26	10♐40	24°16	24°27	2°37	18° 4	8°47	23° 1	11°37	4°58	21°13	19°35	11°44	9°50
T 27	6 48 32	12°36'33	23°39	25°44	25° 5	3°23	18°14	8°49	23° 5	11°39	4°57	21° 8	19°32	11°51	9°47
F 28	6 52 28	13°37'40	6♌27	27°12	25°42	4° 9	18°23	8°50	23° 8	11°41	4°57	21° 1	19°28	11°58	9°44
S 29	6 56 25	14°38'46	19° 4	28°41	26°18	4°55	18°33	8°52	23°12	11°43	4°56	20°52	19°25	12° 4	9°41
S 30	7 0 21	15°39'51	1♌30	0♌11	26°53	5°41	18°43	8°53	23°15	11°45	4°55	20°42	19°22	12°11	9°39
M31	7 4 18	16♌40'56	13♌44	1♌42	27♌26	6♌27	18♌54	8♌54	23♌19	11♌47	4♐54	20♌31	19♌19	12♐18	9♐36

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