

SWISS EPHEMERIS for the year 1457

JANUARY 1457 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	7 17 24	19°53'26	24°24	15°R46	4♁ 8	19°R15	24°R14	12♁29	18°R29	13♁19	15°R 5	5°R55	6♁46	9♁53	21°R14
S 2	7 21 21	20°54'32	8°V19	14°32	5°23	18°51	24°6	12°35	18°27	13°19	15°4	5°D55	6°43	10° 0	21°10
M 3	7 25 17	21°55'37	21°50	13°23	6°38	18°27	23°58	12°41	18°24	13°19	15° 3	5°R55	6°40	10° 7	21° 6
T 4	7 29 14	22°56'42	4°B58	12°21	7°53	18° 3	23°49	12°47	18°22	13°19	15° 1	5♁54	6°36	10°14	21° 3
W 5	7 33 11	23°57'45	17°48	11°27	9° 8	17°40	23°41	12°53	18°20	13°R19	15° 0	5°52	6°33	10°20	20°59
T 6	7 37 7	24°58'48	0°II22	10°41	10°23	17°17	23°33	12°59	18°17	13°19	14°59	5°47	6°30	10°27	20°55
F 7	7 41 4	25°59'49	12°44	10° 5	11°39	16°54	23°25	13° 5	18°15	13°19	14°57	5°39	6°27	10°34	20°51
S 8	7 45 0	27° 0'50	24°57	9°38	12°54	16°31	23°17	13°11	18°13	13°19	14°56	5°28	6°24	10°40	20°47
S 9	7 48 57	28° 1'49	7°B 3	9°20	14° 9	16° 9	23° 9	13°16	18°10	13°19	14°55	5°16	6°20	10°47	20°43
M10	7 52 53	29° 2'47	19° 3	9°10	15°24	15°47	23° 1	13°22	18° 8	13°19	14°53	5° 2	6°17	10°54	20°39
T 11	7 56 50	0♁ 3'45	0°L58	9°D 8	16°39	15°26	22°53	13°27	18° 5	13°19	14°52	4°49	6°14	11° 0	20°35
W12	8 0 46	1° 4'41	12°50	9°15	17°54	15° 5	22°46	13°33	18° 3	13°19	14°50	4°38	6°11	11° 7	20°31
T 13	8 4 43	2° 5'37	24°40	9°28	19° 9	14°45	22°38	13°38	18° 1	13°18	14°49	4°28	6° 8	11°14	20°26
F 14	8 8 40	3° 6'31	6°M30	9°48	20°24	14°26	22°30	13°44	17°58	13°18	14°48	4°22	6° 5	11°21	20°22
S 15	8 12 36	4° 7'25	18°23	10°14	21°39	14° 7	22°22	13°49	17°56	13°18	14°46	4°18	6° 1	11°27	20°18
S 16	8 16 33	5° 8'18	0°B22	10°46	22°54	13°48	22°14	13°54	17°53	13°17	14°45	4°D16	5°58	11°34	20°13
M17	8 20 29	6° 9'09	12°31	11°23	24° 9	13°30	22° 7	14° 0	17°50	13°17	14°43	4°17	5°55	11°41	20° 9
T 18	8 24 26	7°10'00	24°54	12° 4	25°23	13°13	21°59	14° 5	17°48	13°17	14°42	4°18	5°52	11°47	20° 4
W19	8 28 22	8°10'50	7°L37	12°50	26°38	12°57	21°52	14°10	17°45	13°16	14°40	4°R18	5°49	11°54	20° 0
T 20	8 32 19	9°11'39	20°43	13°39	27°53	12°41	21°44	14°15	17°43	13°16	14°39	4°17	5°46	12° 1	19°55
F 21	8 36 15	10°12'28	4°X18	14°32	29° 8	12°26	21°37	14°20	17°40	13°15	14°37	4°15	5°42	12° 7	19°51
S 22	8 40 12	11°13'15	18°21	15°28	0°X23	12°12	21°30	14°25	17°38	13°15	14°36	4°10	5°39	12°14	19°46
S 23	8 44 9	12°14'01	2°B53	16°28	1°38	11°58	21°23	14°30	17°35	13°14	14°35	4° 3	5°36	12°21	19°42
M24	8 48 5	13°14'46	17°50	17°29	2°52	11°45	21°16	14°34	17°32	13°13	14°33	3°55	5°33	12°27	19°37
T 25	8 52 2	14°15'30	3°B 3	18°34	4° 7	11°33	21° 9	14°39	17°30	13°13	14°32	3°47	5°30	12°34	19°32
W26	8 55 58	15°16'12	18°22	19°40	5°22	11°22	21° 2	14°44	17°27	13°12	14°30	3°40	5°26	12°41	19°28
T 27	8 59 55	16°16'53	3°X36	20°49	6°37	11°12	20°55	14°48	17°24	13°11	14°29	3°35	5°23	12°48	19°23
F 28	9 3 51	17°17'33	18°35	22° 0	7°51	11° 2	20°49	14°53	17°22	13°11	14°27	3°32	5°20	12°54	19°18
S 29	9 7 48	18°18'10	3°V11	23°12	9° 6	10°53	20°42	14°57	17°19	13°10	14°26	3°D31	5°17	13° 1	19°13
S 30	9 11 44	19°18'46	17°20	24°27	10°20	10°45	20°36	15° 1	17°17	13° 9	14°24	3°31	5°14	13° 8	19° 9
M31	9 15 41	20°19'20	1°B 2	25°34	11°35	10°38	20°30	15° 5	17°14	13° 8	14°23	3°B33	5°11	13°14	19° 4

Delta T = 217.04 sec. Julian Calendar 1 Jan. 1457 == Greg. Calendar 10 Jan. 1457

FEBRUARY 1457 JC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	9 19 38	21°19'53	14°B17	27°B 0	12°X49	10°R32	20°R24	15°X10	17°R11	13°R 7	14°R21	3°B34	5°B 7	13°B21	18°R59
W 2	9 23 34	22°20'23	27° 9	28°19	14° 4	10°B26	20°B18	15°14	17°B 9	13°B 7	14°B20	3°R34	5° 4	13°28	18°B55
T 3	9 27 31	23°20'52	9°II42	29°39	15°18	10°21	20°12	15°18	17° 6	13° 6	14°18	3°32	5° 1	13°34	18°50
F 4	9 31 27	24°21'18	21°59	1°B 1	16°33	10°17	20° 7	15°22	17° 4	13° 5	14°17	3°29	4°58	13°41	18°45
S 5	9 35 24	25°21'43	4°B 5	2°24	17°47	10°14	20° 1	15°25	17° 1	13° 4	14°16	3°24	4°55	13°48	18°40
S 6	9 39 20	26°22'06	16° 4	3°48	19° 2	10°12	19°56	15°29	16°58	13° 3	14°14	3°18	4°51	13°55	18°36
M 7	9 43 17	27°22'27	27°57	5°14	20°16	10°10	19°51	15°33	16°56	13° 2	14°13	3°11	4°48	14° 1	18°31
T 8	9 47 13	28°22'46	9°B48	6°40	21°30	10° 9	19°46	15°36	16°53	13° 1	14°11	3° 4	4°45	14° 8	18°27
W 9	9 51 10	29°23'04	21°38	8° 8	22°44	10°D 9	19°41	15°40	16°51	13° 0	14°10	2°58	4°42	14°15	18°22
T 10	9 55 7	0°X23'19	3°M30	9°37	23°59	10°10	19°37	15°43	16°48	12°59	14° 9	2°53	4°39	14°21	18°17
F 11	9 59 3	1°23'33	15°26	11° 7	25°13	10°11	19°32	15°47	16°46	12°57	14° 7	2°50	4°36	14°28	18°13
S 12	10 3 0	2°23'45	27°26	12°38	26°27	10°13	19°28	15°50	16°43	12°56	14° 6	2°D49	4°32	14°35	18° 8
S 13	10 6 56	3°23'55	9°B33	14°10	27°41	10°16	19°24	15°53	16°41	12°55	14° 4	2°49	4°29	14°41	18° 4
M14	10 10 53	4°24'04	21°51	15°43	28°55	10°19	19°20	15°56	16°38	12°54	14° 3	2°50	4°26	14°48	17°59
T 15	10 14 49	5°24'11	4°L21	17°18	0°V 9	10°23	19°16	15°59	16°36	12°53	14° 2	2°51	4°23	14°55	17°55
W16	10 18 46	6°24'16	17° 7	18°53	1°23	10°28	19°13	16° 2	16°33	12°52	14° 0	2°53	4°20	15° 1	17°51
T 17	10 22 42	7°24'20	0°X13	20°30	2°37	10°34	19° 9	16° 5	16°31	12°50	13°59	2°54	4°17	15° 8	17°46
F 18	10 26 39	8°24'22	13°41	22° 7	3°51	10°40	19° 6	16° 7	16°28	12°49	13°58	2°R54	4°13	15°15	17°42
S 19	10 30 35	9°24'23	27°33	23°46	5° 5	10°46	19° 3	16°10	16°26	12°48	13°56	2°53	4°10	15°21	17°38
S 20	10 34 32	10°24'22	11°B49	25°26	6°19	10°54	19° 0	16°12	16°24	12°46	13°55	2°51	4° 7	15°28	17°34
M21	10 38 29	11°24'19	26°28	7° 7	7°32	11° 2	18°58	16°15	16°21	12°45	13°54	2°49	4° 4	15°35	17°30
T 22	10 42 25	12°24'15	11°B23	28°49	8°46	11°10	18°55	16°17	16°19	12°44	13°53	2°46	4° 1	15°42	17°26
W23	10 46 22	13°24'09	26°29	0°X33	10° 0	11°20	18°53	16°19	16°17	12°42	13°51	2°43	3°57	15°48	17°22
T 24	10 50 18	14°24'01	11°X34	2°17	11°13	11°29	18°51	16°21	16°15	12°41	13°50	2°41	3°54	15°55	17°18
F 25	10 54 15	15°23'51	26°32	4° 3	12°27	11°40	18°49	16°23	16°12	12°40	13°49	2°D41	3°51	16° 2	17°14
S 26	10 58 11	16°23'38	11°V19	5°49	13°40	11°51	18°48	16°25	16°10	12°38	13°48	2°41	3°48	16° 8	17°10
S 27	11 2 8	17°23'24	25°29	7°38	14°54	12° 2	18°46	16°27	16° 8	12°37	13°46	2°41	3°45	16°15	17° 6
M28	11 6 4	18°X23'08	9°B21	9°X27	16°V 7	12°B14	18°B45	16°X29	16°L 6	12°B35	13°L45	2°B42	3°B42	16°L22	17°L 3

Delta T = 216.96 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1457

MARCH 1457 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
T 1	11 10 1	19°22'49	22°46	11°17	17°21	12°27	18°R44	16°31	16°R 4	12°R34	13°R44	2°44	3°38	16°28	16°R59	
W 2	11 13 58	20°22'28	5°45	13° 9	18°34	12°40	18°43	16°32	16°R 2	12°432	13°43	2°45	3°35	16°35	16°R56	
T 3	11 17 54	21°22'05	18°23	15° 2	19°47	12°53	18°42	16°34	16° 0	12°31	13°42	2°R45	3°32	16°42	16°52	
F 4	11 21 51	22°21'39	0°42	16°56	21° 1	13° 7	18°42	16°35	15°58	12°29	13°41	2°45	3°29	16°48	16°49	
S 5	11 25 47	23°21'11	12°48	18°51	22°14	13°22	18°41	16°36	15°56	12°28	13°40	2°44	3°26	16°55	16°46	
S 6	11 29 44	24°20'41	24°44	20°48	23°27	13°37	18°D41	16°37	15°54	12°26	13°39	2°43	3°23	17° 2	16°42	
M 7	11 33 40	25°20'08	6°35	22°45	24°40	13°52	18°41	16°39	15°52	12°25	13°38	2°42	3°19	17° 8	16°39	
T 8	11 37 37	26°19'33	18°25	24°44	25°53	14° 8	18°42	16°39	15°50	12°23	13°37	2°41	3°16	17°15	16°36	
W 9	11 41 33	27°18'56	0°16	26°44	27° 6	14°25	18°42	16°40	15°49	12°22	13°36	2°41	3°13	17°22	16°33	
T 10	11 45 30	28°18'17	12°12	28°44	28°19	14°41	18°43	16°41	15°47	12°20	13°35	2°40	3°10	17°29	16°30	
F 11	11 49 27	29°17'36	24°15	0°46	29°32	14°59	18°44	16°42	15°45	12°18	13°34	2°40	3° 7	17°35	16°28	
S 12	11 53 23	0°16'52	6°27	2°48	0°44	15°16	18°45	16°42	15°44	12°17	13°33	2°D40	3° 3	17°42	16°25	
S 13	11 57 20	1°16'06	18°49	4°51	1°57	15°34	18°46	16°43	15°42	12°15	13°32	2°40	3° 0	17°49	16°22	
M14	12 1 16	2°15'19	1°22	6°54	3°10	15°53	18°47	16°43	15°40	12°14	13°31	2°R40	2°57	17°55	16°20	
T 15	12 5 13	3°14'29	14° 9	8°57	4°22	16°11	18°49	16°43	15°39	12°12	13°30	2°40	2°54	18° 2	16°18	
W16	12 9 9	4°13'38	27°10	11° 1	5°35	16°31	18°51	16°44	15°37	12°10	13°29	2°40	2°51	18° 9	16°15	
T 17	12 13 6	5°12'45	10°26	13° 4	6°47	16°50	18°53	16°R44	15°36	12° 9	13°28	2°40	2°48	18°15	16°13	
F 18	12 17 2	6°11'50	23°58	15° 6	8° 0	17°10	18°55	16°44	15°35	12° 7	13°28	2°39	2°44	18°22	16°11	
S 19	12 20 59	7°10'53	7°46	17° 7	9°12	17°30	18°57	16°44	15°33	12° 5	13°27	2°D39	2°41	18°29	16° 9	
S 20	12 24 55	8° 9'55	21°51	19° 7	10°24	17°51	19° 0	16°43	15°32	12° 4	13°26	2°39	2°38	18°35	16° 7	
M21	12 28 52	9° 8'55	6°22	21° 6	11°36	18°12	19° 2	16°43	15°31	12° 2	13°25	2°40	2°35	18°42	16° 5	
T 22	12 32 49	10° 7'53	20°44	23° 2	12°48	18°33	19° 5	16°43	15°29	12° 0	13°25	2°40	2°32	18°49	16° 4	
W23	12 36 45	11° 6'49	5°24	24°56	14° 0	18°55	19° 8	16°42	15°28	11°59	13°24	2°41	2°28	18°55	16° 2	
T 24	12 40 42	12° 5'44	20° 7	26°47	15°12	19°16	19°12	16°41	15°27	11°57	13°23	2°42	2°25	19° 2	16° 1	
F 25	12 44 38	13° 4'36	4°46	28°36	16°24	19°39	19°15	16°41	15°26	11°56	13°23	2°R42	2°22	19° 9	15°59	
S 26	12 48 35	14° 3'26	19°14	0°20	17°36	20° 1	19°19	16°40	15°25	11°54	13°22	2°41	2°19	19°15	15°58	
S 27	12 52 31	15° 2'15	3°25	2° 1	18°48	20°24	19°22	16°39	15°24	11°52	13°22	2°40	2°16	19°22	15°57	
M28	12 56 28	16° 1'01	17°16	3°38	20° 0	20°47	19°26	16°38	15°23	11°51	13°21	2°39	2°13	19°29	15°56	
T 29	13 0 24	16°59'45	0°44	5°11	21°11	21°10	19°30	16°37	15°22	11°49	13°21	2°37	2° 9	19°35	15°55	
W30	13 4 21	17°58'28	13°48	6°39	22°23	21°34	19°35	16°36	15°22	11°47	13°20	2°35	2° 6	19°42	15°54	
T 31	13 8 18	18°57'07	26°30	8° 3	23°34	21°58	19°39	16°34	15°21	11°46	13°20	2°33	2° 3	19°49	15°53	

Delta T = 216.88 sec. Julian Calendar 1 March 1457 == Greg. Calendar 10 March 1457

APRIL 1457 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
F 1	13 12 14	19°55'45	8°53	9°22	24°46	22°22	19°44	16°R33	15°R20	11°R44	13°R19	2°R32	2° 0	19°56	15°R53	
S 2	13 16 11	20°54'21	21° 0	10°35	25°57	22°46	19°48	16°32	15°R20	11°42	13°R19	2°D32	1°57	20° 2	15°R52	
S 3	13 20 7	21°52'54	2°58	11°44	27° 8	23°11	19°53	16°30	15°19	11°41	13°18	2°32	1°54	20° 9	15°52	
M 4	13 24 4	22°51'25	14°49	12°47	28°19	23°36	19°59	16°28	15°18	11°39	13°18	2°33	1°50	20°16	15°52	
T 5	13 28 0	23°49'54	26°39	13°45	29°31	24° 1	20° 4	16°27	15°18	11°38	13°18	2°35	1°47	20°22	15°52	
W 6	13 31 57	24°48'20	8°32	14°38	0°41	24°27	20° 9	16°25	15°17	11°36	13°17	2°36	1°44	20°29	15°D51	
T 7	13 35 53	25°46'45	20°32	15°25	1°52	24°52	20°15	16°23	15°17	11°34	13°17	2°38	1°41	20°36	15°52	
F 8	13 39 50	26°45'07	2°44	16° 6	3° 3	25°18	20°20	16°21	15°17	11°33	13°17	2°R38	1°38	20°42	15°52	
S 9	13 43 47	27°43'28	15° 8	16°42	4°14	25°44	20°26	16°19	15°16	11°31	13°17	2°38	1°34	20°49	15°52	
S 10	13 47 43	28°41'46	27°47	17°12	5°24	26°10	20°32	16°17	15°16	11°30	13°17	2°36	1°31	20°56	15°52	
M11	13 51 40	29°40'03	10°41	17°36	6°35	26°37	20°39	16°14	15°16	11°28	13°16	2°33	1°28	21° 2	15°53	
T 12	13 55 36	0°38'18	23°50	17°55	7°45	27° 4	20°45	16°12	15°16	11°27	13°16	2°29	1°25	21° 9	15°53	
W13	13 59 33	1°36'32	7°14	18° 8	8°56	27°31	20°51	16° 9	15°16	11°25	13°16	2°24	1°22	21°16	15°54	
T 14	14 3 29	2°34'44	20°51	18°16	10° 6	27°58	20°58	16° 7	15°D16	11°24	13°16	2°20	1°19	21°22	15°55	
F 15	14 7 26	3°32'54	4°38	18°R18	11°16	28°25	21° 5	16° 4	15°16	11°22	13°16	2°16	1°15	21°29	15°56	
S 16	14 11 22	4°31'03	18°35	18°15	12°26	28°52	21°11	16° 2	15°16	11°21	13°D16	2°14	1°12	21°36	15°57	
S 17	14 15 19	5°29'10	2°40	18° 7	13°36	29°20	21°19	15°59	15°16	11°19	13°16	2°D13	1° 9	21°42	15°58	
M18	14 19 16	6°27'16	16°50	17°54	14°46	29°48	21°26	15°56	15°16	11°18	13°16	2°13	1° 6	21°49	15°59	
T 19	14 23 12	7°25'21	1°5	17°36	15°55	0°16	21°33	15°53	15°17	11°16	13°16	2°14	1° 3	21°56	16° 1	
W20	14 27 9	8°23'24	15°21	17°15	17° 5	0°44	21°40	15°50	15°17	11°15	13°16	2°16	0°59	22° 2	16° 2	
T 21	14 31 5	9°21'26	29°37	16°50	18°14	1°13	21°48	15°47	15°17	11°13	13°16	2°R17	0°56	22° 9	16° 4	
F 22	14 35 2	10°19'26	13°50	16°21	19°24	1°41	21°56	15°44	15°18	11°12	13°16	2°16	0°53	22°16	16° 6	
S 23	14 38 58	11°17'25	27°54	15°50	20°33	2°10	22° 3	15°41	15°18	11°11	13°17	2°14	0°50	22°22	16° 7	
S 24	14 42 55	12°15'23	11°47	15°17	21°42	2°39	22°11	15°38	15°19	11° 9	13°17	2°10	0°47	22°29	16° 9	
M25	14 46 51	13°13'18	25°24	14°42	22°51	3° 8	22°19	15°34	15°19	11° 8	13°17	2° 4	0°44	22°36	16°11	
T 26	14 50 48	14°11'13	8°44	14° 7	24° 0	3°37	22°28	15°31	15°20	11° 7	13°17	1°57	0°40	22°42	16°13	
W27	14 54 44	15° 9'05	21°44	13°31	25° 9	4° 7	22°36	15°27	15°21	11° 5	13°18	1°50	0°37	22°49	16°16	
T 28	14 58 41	16° 6'56	4°25	12°55	26°18	4°36	22°44	15°24	15°21	11° 4	13°18	1°43	0°34	22°56	16°18	
F 29	15 2 38	17° 4'46	16°48	12°21	27°26	5° 6	22°53	15°20	15°22	11° 3	13°18	1°37	0°31	23° 2	16°21	
S 30	15 6 34	18° 2'33	28°56	11°48	28°35	5°36	23° 2	15°17	15°23	11° 1	13°R19	1°33	0°28	23° 9	16°23	

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SWISS EPHEMERIS for the year 1457

MAY 1457 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	15 10 31	19♄ 0'19	10♌54	11°R17	29♏43	6♌ 6	23♁10	15°R13	15♌24	11°R 0	13♌19	1°R31	0♌25	23♌16	16♌26
M 2	15 14 27	19°58'04	22°45	10♄48	0♄51	6°36	23°19	15♄ 9	15°25	10♌59	13°20	1°D31	0°21	23°22	16°29
T 3	15 18 24	20°55'46	4♎35	10°23	1°59	7° 6	23°28	15° 5	15°26	10°58	13°20	1♌32	0°18	23°29	16°31
W 4	15 22 20	21°53'27	16°30	10° 1	3° 7	7°37	23°37	15° 2	15°27	10°57	13°20	1°33	0°15	23°36	16°34
T 5	15 26 17	22°51'07	28°33	9°43	4°15	8° 7	23°46	14°58	15°28	10°56	13°21	1°R34	0°12	23°43	16°37
F 6	15 30 13	23°48'45	10♌50	16°54	9°29	5°22	8°38	23°56	14°54	15°29	13°22	1°33	0° 9	23°49	16°41
S 7	15 34 10	24°46'21	23°24	9°19	6°30	9° 9	24° 5	14°50	15°30	10°53	13°22	1°31	0° 5	23°56	16°44
S 8	15 38 7	25°43'56	6♎17	9°13	7°37	9°40	24°15	14°46	15°32	10°52	13°23	1°27	0° 2	24° 3	16°47
M 9	15 42 3	26°41'30	19°31	9°D12	8°44	10°11	24°24	14°42	15°33	10°51	13°23	1°20	29♎59	24° 9	16°51
T 10	15 46 0	27°39'03	3♄ 4	9°16	9°51	10°42	24°34	14°38	15°34	10°50	13°24	1°12	29°56	24°16	16°54
W11	15 49 56	28°36'34	16°54	9°23	10°58	11°13	24°44	14°34	15°36	10°49	13°25	1° 2	29°53	24°23	16°58
T 12	15 53 53	29°34'05	0♄57	9°36	12° 4	11°45	24°54	14°29	15°37	10°48	13°25	0°53	29°50	24°29	17° 2
F 13	15 57 49	0♏31'34	15° 9	9°52	13°11	12°16	25° 4	14°25	15°39	10°47	13°26	0°46	29°46	24°36	17° 5
S 14	16 1 46	1°29'03	29°24	10°14	14°17	12°48	25°14	14°21	15°40	10°46	13°27	0°40	29°43	24°43	17° 9
S 15	16 5 42	2°26'31	13♌40	10°39	15°23	13°20	25°24	14°17	15°42	10°45	13°28	0°36	29°40	24°49	17°13
M16	16 9 39	3°23'58	27°52	11° 9	16°29	13°52	25°34	14°12	15°43	10°45	13°28	0°D35	29°37	24°56	17°18
T 17	16 13 36	4°21'24	12♄ 0	11°43	17°34	14°24	25°45	14° 8	15°45	10°44	13°29	0°35	29°34	25° 3	17°22
W18	16 17 32	5°18'50	26° 1	12°21	18°40	14°56	25°55	14° 4	15°47	10°43	13°30	0°R35	29°31	25° 9	17°26
T 19	16 21 29	6°16'15	9♏56	13° 3	19°45	15°28	26° 6	13°59	15°49	10°42	13°31	0°35	29°27	25°16	17°30
F 20	16 25 25	7°13'39	23°44	13°49	20°50	16° 0	26°16	13°55	15°50	10°41	13°32	0°33	29°24	25°23	17°35
S 21	16 29 22	8°11'03	7♄23	14°38	21°55	16°33	26°27	13°51	15°52	10°41	13°33	0°28	29°21	25°29	17°40
S 22	16 33 18	9° 8'26	20°51	15°32	23° 0	17° 5	26°38	13°46	15°54	10°40	13°34	0°21	29°18	25°36	17°44
M23	16 37 15	10° 5'49	4♏ 8	16°29	24° 4	17°38	26°48	13°42	15°56	10°39	13°35	0°11	29°15	25°43	17°49
T 24	16 41 11	11° 3'10	17°11	17°29	25° 8	18°11	26°59	13°37	15°58	10°39	13°36	0° 0	29°11	25°49	17°54
W25	16 45 8	12° 0'31	29°59	18°33	26°12	18°44	27°10	13°33	16° 0	10°38	13°37	29♎48	29° 8	25°56	17°59
T 26	16 49 5	12°57'51	12♄32	19°40	27°16	19°17	27°21	13°29	16° 2	10°38	13°38	29°36	29° 5	26° 3	18° 4
F 27	16 53 1	13°55'10	24°49	20°51	28°20	19°50	27°33	13°24	16° 5	10°37	13°39	29°26	29° 2	26° 9	18° 9
S 28	16 56 58	14°52'29	6♌55	22° 5	29°23	20°23	27°44	13°20	16° 7	10°37	13°40	29°19	28°59	26°16	18°14
S 29	17 0 54	15°49'46	18°50	23°22	0♌26	20°56	27°55	13°15	16° 9	10°36	13°41	29°13	28°56	26°23	18°19
M30	17 4 51	16°47'03	0♎40	24°42	1°28	21°30	28° 6	13°11	16°11	10°36	13°42	29°10	28°52	26°29	18°25
T 31	17 8 47	17°44'19	12♎29	26♄ 6	2♌31	22♌ 3	28♁18	13♄ 7	16♌14	10♌35	13♌43	29♎ 9	28♎49	26♌36	18♌30

Delta T = 216.72 sec. Julian Calendar 1 May 1457 == Greg. Calendar 10 May 1457

JUNE 1457 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
W 1	17 12 44	18♏41'34	24♎23	27♄33	3♌33	22♌37	28♁29	13°R 2	16♌16	10°R35	13♌45	29°R 9	28♎46	26♌43	18♌35
T 2	17 16 40	19°38'48	6♌27	29° 2	4°35	23°10	28°41	12♄58	16°18	10♌34	13°46	29♎ 9	28°43	26°49	18°41
F 3	17 20 37	20°36'02	18°45	0♏35	5°36	23°44	28°53	12°53	16°21	10°34	13°47	29° 8	28°40	26°56	18°47
S 4	17 24 34	21°33'14	1♎24	2°11	6°38	24°18	29° 4	12°49	16°23	10°34	13°48	29° 5	28°37	27° 3	18°52
S 5	17 28 30	22°30'27	14°25	3°50	7°38	24°52	29°16	12°45	16°26	10°33	13°50	28°59	28°33	27° 9	18°58
M 6	17 32 27	23°27'38	27°52	5°32	8°39	25°26	29°28	12°40	16°28	10°33	13°51	28°51	28°30	27°16	19° 4
T 7	17 36 23	24°24'50	11♄43	7°17	9°39	26° 0	29°40	12°36	16°31	10°33	13°52	28°41	28°27	27°23	19°10
W 8	17 40 20	25°22'01	25°56	9° 4	10°39	26°34	29°52	12°32	16°34	10°33	13°54	28°29	28°24	27°29	19°16
T 9	17 44 16	26°19'11	10♄24	10°55	11°38	27° 8	0♌ 3	12°28	16°36	10°33	13°55	28°18	28°21	27°36	19°22
F 10	17 48 13	27°16'22	25° 2	12°48	12°37	27°43	0°16	12°23	16°39	10°33	13°56	28° 8	28°17	27°43	19°28
S 11	17 52 10	28°13'32	9♌41	14°44	13°36	28°17	0°28	12°19	16°42	10°33	13°58	28° 1	28°14	27°49	19°34
S 12	17 56 6	29°10'42	24°15	16°42	14°34	28°52	0°40	12°15	16°44	10°33	13°59	27°56	28°11	27°56	19°40
M13	18 0 3	0♄ 7'53	8♄40	18°43	15°32	29°26	0°52	12°11	16°47	10°D33	14° 1	27°53	28° 8	28° 3	19°47
T 14	18 3 59	1° 5'03	22°52	20°45	16°30	0♎ 1	1° 4	12° 7	16°50	10°33	14° 2	27°52	28° 5	28° 9	19°53
W15	18 7 56	2° 2'14	6♏50	22°50	17°27	0°36	1°16	12° 3	16°53	10°33	14° 3	27°52	28° 2	28°16	20° 0
T 16	18 11 52	2°59'25	20°35	24°56	18°23	1°11	1°29	11°59	16°56	10°33	14° 5	27°52	27°58	28°23	20° 6
F 17	18 15 49	3°56'37	4♄ 6	27° 3	19°20	1°46	1°41	11°55	16°59	10°33	14° 6	27°49	27°55	28°29	20°13
S 18	18 19 45	4°53'48	17°25	29°12	20°15	2°21	1°53	11°51	17° 2	10°33	14° 8	27°44	27°52	28°36	20°19
S 19	18 23 42	5°51'00	0♏32	1♄21	21°10	2°56	2° 6	11°47	17° 5	10°33	14°10	27°36	27°49	28°43	20°26
M20	18 27 38	6°48'12	13°27	3°31	22° 5	3°31	2°18	11°43	17° 8	10°33	14°11	27°26	27°46	28°49	20°33
T 21	18 31 35	7°45'25	26°11	5°41	22°59	4° 6	2°31	11°40	17°11	10°34	14°13	27°14	27°43	28°56	20°40
W22	18 35 32	8°42'37	8♄43	7°51	23°53	4°41	2°43	11°36	17°14	10°34	14°14	27° 1	27°39	29° 3	20°46
T 23	18 39 28	9°39'50	21° 3	10° 0	24°46	5°17	2°56	11°32	17°17	10°34	14°16	26°48	27°36	29° 9	20°53
F 24	18 43 25	10°37'03	3♌11	12° 9	25°38	5°52	3° 9	11°29	17°20	10°34	14°17	26°37	27°33	29°16	21° 0
S 25	18 47 21	11°34'16	15°11	14°18	26°30	6°28	3°21	11°25	17°24	10°35	14°19	26°29	27°30	29°23	21° 7
S 26	18 51 18	12°31'29	27° 2	16°25	27°21	7° 4	3°34	11°22	17°27	10°35	14°21	26°23	27°27	29°29	21°14
M27	18 55 14	13°28'42	8♎50	18°31	28°11	7°39	3°47	11°18	17°30	10°36	14°22	26°19	27°23	29°36	21°22
T 28	18 59 11	14°25'56	20°38	20°36	29° 1	8°15	4° 0	11°15	17°33	10°36	14°24	26°18	27°20	29°43	21°29
W29	19 3 8	15°23'09	2♌30	22°39	29°50	8°51	4°12	11°12	17°36	10°37	14°26	26°D18	27°17	29°49	21°36
T 30	19 7 4	16♁20'23	14♌32	24♄41	0♎39	9♎27	4♌25	11♄ 9	17♌40	10♌37	14♌27	26°R18	27♎14	29♌56	21♌43

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SWISS EPHEMERIS for the year 1457

JULY 1457 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
F 1	19 11 1	17 [☉] 17'37	26 [♁] 50	26 [♀] 41	1 [♁] 26	10 [♂] 3	4 [♃] 38	11 [♄] R 5	17 [♅] 43	10 [♆] 38	14 [♇] 29	26 [♈] R18	27 [♉] 11	0 [♊] 3	21 [♋] 51	
S 2	19 14 57	18 [☉] 14'51	9 [♁] 28	28 [♀] 39	2 [♁] 13	10 [♂] 39	4 [♃] 51	11 [♄] 2	17 [♅] 46	10 [♆] 38	14 [♇] 31	26 [♈] 16	27 [♉] 8	0 [♊] 9	21 [♋] 58	
S 3	19 18 54	19 [☉] 12'05	22 [♁] 30	0 [♀] 36	2 [♁] 59	11 [♂] 15	5 [♃] 4	10 [♄] 59	17 [♅] 50	10 [♆] 39	14 [♇] 33	26 [♈] 12	27 [♉] 4	0 [♊] 16	22 [♋] 5	
M 4	19 22 50	20 [☉] 9'19	6 [♁] 0	2 [♀] 31	3 [♁] 44	11 [♂] 52	5 [♃] 17	10 [♄] 56	17 [♅] 53	10 [♆] 40	14 [♇] 34	26 [♈] 5	27 [♉] 1	0 [♊] 23	22 [♋] 13	
T 5	19 26 47	21 [☉] 6'34	19 [♁] 59	4 [♀] 25	4 [♁] 28	12 [♂] 28	5 [♃] 30	10 [♄] 54	17 [♅] 57	10 [♆] 40	14 [♇] 36	25 [♈] 57	26 [♉] 58	0 [♊] 29	22 [♋] 20	
W 6	19 30 43	22 [☉] 3'50	4 [♁] 23	6 [♀] 16	5 [♁] 11	13 [♂] 4	5 [♃] 43	10 [♄] 51	18 [♅] 0	10 [♆] 41	14 [♇] 38	25 [♈] 48	26 [♉] 55	0 [♊] 36	22 [♋] 28	
T 7	19 34 40	23 [☉] 1'06	19 [♁] 8	8 [♀] 6	5 [♁] 54	13 [♂] 41	5 [♃] 56	10 [♄] 48	18 [♅] 4	10 [♆] 42	14 [♇] 40	25 [♈] 38	26 [♉] 52	0 [♊] 43	22 [♋] 35	
F 8	19 38 37	23 [☉] 58'22	4 [♁] 5	9 [♀] 54	6 [♁] 35	14 [♂] 17	6 [♃] 9	10 [♄] 45	18 [♅] 7	10 [♆] 43	14 [♇] 41	25 [♈] 30	26 [♉] 49	0 [♊] 49	22 [♋] 43	
S 9	19 42 33	24 [☉] 55'39	19 [♁] 6	11 [♀] 41	7 [♁] 15	14 [♂] 54	6 [♃] 22	10 [♄] 43	18 [♅] 11	10 [♆] 43	14 [♇] 43	25 [♈] 23	26 [♉] 45	0 [♊] 56	22 [♋] 51	
S 10	19 46 30	25 [☉] 52'57	4 [♁] 2	13 [♀] 25	7 [♁] 54	15 [♂] 30	6 [♃] 35	10 [♄] 40	18 [♅] 14	10 [♆] 44	14 [♇] 45	25 [♈] 19	26 [♉] 42	1 [♊] 2	22 [♋] 58	
M11	19 50 26	26 [☉] 50'16	18 [♁] 45	15 [♀] 8	8 [♁] 32	16 [♂] 7	6 [♃] 48	10 [♄] 38	18 [♅] 18	10 [♆] 45	14 [♇] 47	25 [♈] D18	26 [♉] 39	1 [♊] 9	23 [♋] 6	
T 12	19 54 23	27 [☉] 47'36	3 [♁] 11	16 [♀] 49	9 [♁] 9	16 [♂] 44	7 [♃] 1	10 [♄] 36	18 [♅] 21	10 [♆] 46	14 [♇] 49	25 [♈] 18	26 [♉] 36	1 [♊] 16	23 [♋] 14	
W13	19 58 19	28 [☉] 44'57	17 [♁] 16	18 [♀] 29	9 [♁] 45	17 [♂] 21	7 [♃] 14	10 [♄] 34	18 [♅] 25	10 [♆] 47	14 [♇] 50	25 [♈] 19	26 [♉] 33	1 [♊] 22	23 [♋] 22	
T 14	20 2 16	29 [☉] 42'19	1 [♁] 1	20 [♀] 6	10 [♁] 19	17 [♂] 58	7 [♃] 27	10 [♄] 31	18 [♅] 28	10 [♆] 48	14 [♇] 52	25 [♈] R19	26 [♉] 29	1 [♊] 29	23 [♋] 30	
F 15	20 6 12	0 [♁] 39'43	14 [♁] 26	21 [♀] 42	10 [♁] 52	18 [♂] 35	7 [♃] 40	10 [♄] 29	18 [♅] 32	10 [♆] 49	14 [♇] 54	25 [♈] 18	26 [♉] 26	1 [♊] 36	23 [♋] 37	
S 16	20 10 9	1 [☉] 37'07	27 [♁] 34	23 [♀] 17	11 [♁] 24	19 [♂] 12	7 [♃] 53	10 [♄] 27	18 [♅] 36	10 [♆] 50	14 [♇] 56	25 [♈] 15	26 [♉] 23	1 [♊] 42	23 [♋] 45	
S 17	20 14 6	2 [☉] 34'33	10 [♁] 26	24 [♀] 49	11 [♁] 55	19 [♂] 49	8 [♃] 6	10 [♄] 25	18 [♅] 39	10 [♆] 51	14 [♇] 58	25 [♈] 10	26 [♉] 20	1 [♊] 49	23 [♋] 53	
M18	20 18 2	3 [☉] 32'00	23 [♁] 5	26 [♀] 20	12 [♁] 24	20 [♂] 26	8 [♃] 20	10 [♄] 24	18 [♅] 43	10 [♆] 52	15 [♇] 0	25 [♈] 3	26 [♉] 17	1 [♊] 56	24 [♋] 1	
T 19	20 21 59	4 [☉] 29'28	5 [♁] 32	27 [♀] 49	12 [♁] 51	21 [♂] 4	8 [♃] 33	10 [♄] 22	18 [♅] 46	10 [♆] 53	15 [♇] 2	24 [♈] 54	26 [♉] 14	2 [♊] 2	24 [♋] 9	
W20	20 25 55	5 [☉] 26'58	17 [♁] 48	29 [♀] 17	13 [♁] 17	21 [♂] 41	8 [♃] 46	10 [♄] 20	18 [♅] 50	10 [♆] 54	15 [♇] 3	24 [♈] 45	26 [♉] 10	2 [♊] 9	24 [♋] 17	
T 21	20 29 52	6 [☉] 24'28	29 [♁] 55	0 [♀] 42	13 [♁] 41	22 [♂] 18	8 [♃] 59	10 [♄] 19	18 [♅] 54	10 [♆] 55	15 [♇] 5	24 [♈] 36	26 [♉] 7	2 [♊] 16	24 [♋] 25	
F 22	20 33 48	7 [☉] 22'00	11 [♁] 55	2 [♀] 6	14 [♁] 4	22 [♂] 56	9 [♃] 12	10 [♄] 17	18 [♅] 57	10 [♆] 57	15 [♇] 7	24 [♈] 28	26 [♉] 4	2 [♊] 22	24 [♋] 33	
S 23	20 37 45	8 [☉] 19'32	23 [♁] 47	3 [♀] 28	14 [♁] 25	23 [♂] 33	9 [♃] 25	10 [♄] 16	19 [♅] 1	10 [♆] 58	15 [♇] 9	24 [♈] 22	26 [♉] 1	2 [♊] 29	24 [♋] 41	
S 24	20 41 41	9 [☉] 17'06	5 [♁] 36	4 [♀] 48	14 [♁] 44	24 [♂] 11	9 [♃] 39	10 [♄] 15	19 [♅] 5	10 [♆] 59	15 [♇] 11	24 [♈] 18	25 [♉] 58	2 [♊] 36	24 [♋] 49	
M25	20 45 38	10 [☉] 14'40	17 [♁] 22	6 [♀] 7	15 [♁] 1	24 [♂] 49	9 [♃] 52	10 [♄] 14	19 [♅] 9	11 [♆] 0	15 [♇] 13	24 [♈] 17	25 [♉] 54	2 [♊] 42	24 [♋] 58	
T 26	20 49 35	11 [☉] 12'16	29 [♁] 10	7 [♀] 23	15 [♁] 16	25 [♂] 27	10 [♃] 5	10 [♄] 13	19 [♅] 12	11 [♆] 2	15 [♇] 15	24 [♈] D16	25 [♉] 51	2 [♊] 49	25 [♋] 6	
W27	20 53 31	12 [☉] 9'52	11 [♁] 3	8 [♀] 37	15 [♁] 29	26 [♂] 4	10 [♃] 18	10 [♄] 12	19 [♅] 16	11 [♆] 3	15 [♇] 17	24 [♈] 17	25 [♉] 48	2 [♊] 56	25 [♋] 14	
T 28	20 57 28	13 [☉] 7'30	23 [♁] 5	9 [♀] 50	15 [♁] 41	26 [♂] 42	10 [♃] 31	10 [♄] 11	19 [♅] 20	11 [♆] 4	15 [♇] 19	24 [♈] 19	25 [♉] 45	3 [♊] 2	25 [♋] 22	
F 29	21 1 24	14 [☉] 5'09	5 [♁] 21	11 [♀] 0	15 [♁] 50	27 [♂] 20	10 [♃] 44	10 [♄] 10	19 [♅] 23	11 [♆] 6	15 [♇] 20	24 [♈] 20	25 [♉] 42	3 [♊] 9	25 [♋] 30	
S 30	21 5 21	15 [☉] 2'48	17 [♁] 57	12 [♀] 8	15 [♁] 57	27 [♂] 58	10 [♃] 58	10 [♄] 9	19 [♅] 27	11 [♆] 7	15 [♇] 22	24 [♈] R21	25 [♉] 39	3 [♊] 16	25 [♋] 39	
S 31	21 9 17	16 [☉] 0'29	0 [♁] 56	13 [♀] 13	16 [♁] 2	28 [♂] 36	11 [♃] 11	10 [♄] 9	19 [♅] 31	11 [♆] 9	15 [♇] 24	24 [♈] R19	25 [♉] 35	3 [♊] 22	25 [♋] 47	

Delta T = 216.56 sec. Julian Calendar 1 July 1457 == Greg. Calendar 10 July 1457

AUGUST 1457 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
M 1	21 13 14	16 [☉] 58'11	14 [♁] 22	14 [♀] 16	16 [♁] 4	29 [♂] 15	11 [♃] 24	10 [♄] R 8	19 [♅] 35	11 [♆] 10	15 [♇] 26	24 [♈] R17	25 [♉] 32	3 [♊] 29	25 [♋] 55	
T 2	21 17 10	17 [☉] 55'54	28 [♁] 16	15 [♀] 17	16 [♁] R 4	29 [♂] 53	11 [♃] 37	10 [♄] 8	19 [♅] 38	11 [♆] 12	15 [♇] 28	24 [♈] 13	25 [♉] 29	3 [♊] 36	26 [♋] 3	
W 3	21 21 7	18 [☉] 53'38	12 [♁] 39	16 [♀] 15	16 [♁] 2	0 [♂] 31	11 [♃] 50	10 [♄] 7	19 [♅] 42	11 [♆] 13	15 [♇] 30	24 [♈] 8	25 [♉] 26	3 [♊] 42	26 [♋] 12	
T 4	21 25 4	19 [☉] 51'23	27 [♁] 26	17 [♀] 10	15 [♁] 58	1 [♂] 10	12 [♃] 3	10 [♄] 7	19 [♅] 46	11 [♆] 15	15 [♇] 32	24 [♈] 3	25 [♉] 23	3 [♊] 49	26 [♋] 20	
F 5	21 29 0	20 [☉] 49'10	12 [♁] 30	18 [♀] 2	15 [♁] 51	1 [♂] 48	12 [♃] 16	10 [♄] 7	19 [♅] 50	11 [♆] 16	15 [♇] 34	23 [♈] 58	25 [♉] 20	3 [♊] 56	26 [♋] 28	
S 6	21 32 57	21 [☉] 46'58	27 [♁] 42	18 [♀] 51	15 [♁] 42	2 [♂] 26	12 [♃] 29	10 [♄] D 7	19 [♅] 53	11 [♆] 18	15 [♇] 36	23 [♈] 55	25 [♉] 16	4 [♊] 2	26 [♋] 37	
S 7	21 36 53	22 [☉] 44'48	12 [♁] 53	19 [♀] 37	15 [♁] 30	3 [♂] 5	12 [♃] 42	10 [♄] 7	19 [♅] 57	11 [♆] 19	15 [♇] 37	23 [♈] 53	25 [♉] 13	4 [♊] 9	26 [♋] 45	
M 8	21 40 50	23 [☉] 42'39	27 [♁] 53	20 [♀] 19	15 [♁] 16	3 [♂] 44	12 [♃] 56	10 [♄] 7	20 [♅] 1	11 [♆] 21	15 [♇] 39	23 [♈] D53	25 [♉] 10	4 [♊] 16	26 [♋] 53	
T 9	21 44 46	24 [☉] 40'31	12 [♁] 34	20 [♀] 57	14 [♁] 59	4 [♂] 22	13 [♃] 9	10 [♄] 8	20 [♅] 5	11 [♆] 23	15 [♇] 41	23 [♈] 54	25 [♉] 7	4 [♊] 22	27 [♋] 1	
W10	21 48 43	25 [☉] 38'26	26 [♁] 53	21 [♀] 32	14 [♁] 41	5 [♂] 1	13 [♃] 22	10 [♄] 8	20 [♅] 8	11 [♆] 24	15 [♇] 43	23 [♈] 55	25 [♉] 4	4 [♊] 29	27 [♋] 10	
T 11	21 52 39	26 [☉] 36'22	10 [♁] 47	22 [♀] 2	14 [♁] 20	5 [♂] 40	13 [♃] 35	10 [♄] 8	20 [♅] 12	11 [♆] 26	15 [♇] 45	23 [♈] 57	25 [♉] 0	4 [♊] 35	27 [♋] 18	
F 12	21 56 36	27 [☉] 34'21	24 [♁] 16	22 [♀] 28	13 [♁] 57	6 [♂] 19	13 [♃] 48	10 [♄] 9	20 [♅] 16	11 [♆] 28	15 [♇] 47	23 [♈] R57	24 [♉] 57	4 [♊] 42	27 [♋] 26	
S 13	22 0 32	28 [☉] 32'21	7 [♁] 22	22 [♀] 49	13 [♁] 32	6 [♂] 58	14 [♃] 0	10 [♄] 10	20 [♅] 19	11 [♆] 29	15 [♇] 49	23 [♈] 57	24 [♉] 54	4 [♊] 49	27 [♋] 35	
S 14	22 4 29	29 [☉] 30'23	20 [♁] 8	23 [♀] 5	13 [♁] 5	7 [♂] 37	14 [♃] 13	10 [♄] 10	20 ^{♅</}							

SWISS EPHEMERIS for the year 1457

SEPTEMBER 1457 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	23 15 27	17 ^h 0'10"	5 ^h 52'	12°R35	2°R53	19 ^h 30'	18 ^h 01'	10 ^h 40'	21 ^h 028'	12 ^h 06'	16 ^h 023'	23°R40	23 ^h 54'	6 ^h 55'	0 ^h 12'		
F 2	23 19 24	17°58'45"	20°47'	11 ^h 42'	2 ^h 26'	20°11'	18°13'	10°43'	21°32'	12°08'	16°24'	23 ^h 39'	23°51'	7°02'	0°21'		
S 3	23 23 20	18°57'22"	5 ^h 55'	10°54'	2°01'	20°51'	18°25'	10°45'	21°35'	12°10'	16°26'	23°39'	23°47'	7°08'	0°29'		
S 4	23 27 17	19°56'01"	21°06'	10°13'	1°38'	21°31'	18°37'	10°48'	21°38'	12°12'	16°28'	23°D39	23°44'	7°15'	0°37'		
M 5	23 31 13	20°54'42"	6 ^h Y12	9°40'	1°17'	22°12'	18°49'	10°51'	21°42'	12°14'	16°29'	23°39'	23°41'	7°22'	0°45'		
T 6	23 35 10	21°53'25"	21°04'	9°16'	0°58'	22°52'	19°01'	10°54'	21°45'	12°16'	16°31'	23°39'	23°38'	7°28'	0°53'		
W 7	23 39 06	22°52'10"	5 ^h 35'	9°01'	0°42'	23°33'	19°13'	10°57'	21°48'	12°18'	16°32'	23°39'	23°35'	7°35'	1°01'		
T 8	23 43 03	23°50'58"	19°39'	8°D57	0°28'	24°14'	19°25'	11°00'	21°52'	12°21'	16°34'	23°R39	23°31'	7°42'	1°09'		
F 9	23 46 59	24°49'47"	3 ^h II17	9°02'	0°17'	24°54'	19°37'	11°03'	21°55'	12°23'	16°36'	23°39'	23°28'	7°48'	1°17'		
S 10	23 50 56	25°48'39"	16°29'	9°18'	0°08'	25°35'	19°49'	11°06'	21°58'	12°25'	16°37'	23°39'	23°25'	7°55'	1°25'		
S 11	23 54 52	26°47'34"	29°17'	9°43'	0°01'	26°16'	20°01'	11°10'	22°02'	12°27'	16°39'	23°D39	23°22'	8°02'	1°33'		
M12	23 58 49	27°46'30"	11 ^h 54'	10°17'	29°D57	26°57'	20°12'	11°13'	22°05'	12°29'	16°40'	23°39'	23°19'	8°08'	1°41'		
T 13	0 2 46	28°45'29"	23°55'	11°01'	29°D55	27°38'	20°24'	11°16'	22°08'	12°31'	16°42'	23°39'	23°16'	8°15'	1°49'		
W14	0 6 42	29°44'31"	5 ^h 055'	11°53'	29°56'	28°19'	20°35'	11°20'	22°11'	12°34'	16°43'	23°40'	23°12'	8°22'	1°56'		
T 15	0 10 39	0 ^h 43'34"	17°47'	12°53'	29°59'	29°00'	20°47'	11°24'	22°14'	12°36'	16°45'	23°41'	23°09'	8°28'	2°04'		
F 16	0 14 35	1°42'40"	29°35'	13°59'	0 ^h 5	29°41'	20°58'	11°27'	22°17'	12°38'	16°46'	23°41'	23°06'	8°35'	2°12'		
S 17	0 18 32	2°41'48"	11 ^h 22'	15°12'	0°12'	0 ^h ML22	21°10'	11°31'	22°21'	12°40'	16°47'	23°42'	23°03'	8°42'	2°20'		
S 18	0 22 28	3°40'58"	23°12'	16°31'	0°22'	1°04'	21°21'	11°35'	22°24'	12°42'	16°49'	23°R42	23°00'	8°48'	2°27'		
M19	0 26 25	4°40'10"	5 ^h 06	17°54'	0°34'	1°45'	21°32'	11°39'	22°27'	12°45'	16°50'	23°42'	22°57'	8°55'	2°35'		
T 20	0 30 21	5°39'24"	17°06'	19°22'	0°48'	2°26'	21°43'	11°43'	22°30'	12°47'	16°52'	23°41'	22°53'	9°02'	2°43'		
W21	0 34 18	6°38'40"	29°15'	20°53'	1°04'	3°08'	21°54'	11°47'	22°33'	12°49'	16°53'	23°40'	22°50'	9°08'	2°50'		
T 22	0 38 15	7°37'58"	11 ^h ML35	22°27'	1°22'	3°50'	22°05'	11°51'	22°35'	12°51'	16°54'	23°38'	22°47'	9°15'	2°58'		
F 23	0 42 11	8°37'19"	24°06'	24°03'	1°42'	4°31'	22°16'	11°56'	22°38'	12°54'	16°56'	23°35'	22°44'	9°21'	3°05'		
S 24	0 46 08	9°36'41"	6 ^h 751	25°41'	2°04'	5°13'	22°27'	12°00'	22°41'	12°56'	16°57'	23°33'	22°41'	9°28'	3°13'		
S 25	0 50 04	10°36'05"	19°52'	27°21'	2°28'	5°55'	22°38'	12°05'	22°44'	12°58'	16°58'	23°32'	22°37'	9°35'	3°20'		
M26	0 54 01	11°35'30"	3 ^h 03	29°03'	2°53'	6°36'	22°48'	12°09'	22°47'	13°00'	16°59'	23°31'	22°34'	9°41'	3°27'		
T 27	0 57 57	12°34'58"	16°48'	0 ^h 45	3°20'	7°18'	22°59'	12°14'	22°50'	13°02'	17°01'	23°D30	22°31'	9°48'	3°35'		
W28	1 01 54	13°34'27"	0 ^h 45	2°28'	3°49'	8°00'	23°09'	12°18'	22°52'	13°05'	17°02'	23°31'	22°28'	9°55'	3°42'		
T 29	1 05 50	14°33'58"	15°02'	4°11'	4°19'	8°42'	23°20'	12°23'	22°55'	13°07'	17°03'	23°32'	22°25'	10°01'	3°49'		
F 30	1 09 47	15°33'31"	29°37'	5°54'	4 ^h 51	9 ^h ML24	23°30'	12°28'	22°58'	13°09'	17°04'	23°34'	22°22'	10 ^h 08	3 ^h 56		

Delta T = 216.39 sec. Julian Calendar 1 Sept. 1457 == Greg. Calendar 10 Sept. 1457

OCTOBER 1457 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	1 13 44	16 ^h 33'05"	14 ^h X26	7 ^h 38	5 ^h 24	10 ^h ML6	23°04'	12°33'	23°00'	13°11'	17°05'	23 ^h 35'	22 ^h 18'	10 ^h 15'	4 ^h 03'		
S 2	1 17 40	17°32'42"	29°21'	9°21'	5°59'	10°49'	23°50'	12°38'	23°03'	13°14'	17°06'	23°R35	22°15'	10°21'	4°10'		
M 3	1 21 37	18°32'20"	14 ^h Y17	11°04'	6°35'	11°31'	24°00'	12°43'	23°05'	13°16'	17°07'	23°34'	22°12'	10°28'	4°17'		
T 4	1 25 33	19°32'00"	29°05'	12°47'	7°12'	12°13'	24°10'	12°48'	23°08'	13°18'	17°08'	23°31'	22°09'	10°35'	4°24'		
W 5	1 29 30	20°31'43"	13 ^h 37	14°30'	7°51'	12°55'	24°20'	12°53'	23°10'	13°20'	17°09'	23°28'	22°06'	10°41'	4°31'		
T 6	1 33 26	21°31'27"	27°48'	16°12'	8°31'	13°38'	24°30'	12°58'	23°12'	13°23'	17°10'	23°24'	22°02'	10°48'	4°38'		
F 7	1 37 23	22°31'14"	11 ^h II32	17°54'	9°12'	14°20'	24°39'	13°03'	23°15'	13°25'	17°11'	23°19'	21°59'	10°55'	4°44'		
S 8	1 41 19	23°31'03"	24°50'	19°35'	9°54'	15°03'	24°49'	13°08'	23°17'	13°27'	17°12'	23°16'	21°56'	11°01'	4°51'		
S 9	1 45 16	24°30'54"	7 ^h 543	21°16'	10°37'	15°45'	24°58'	13°14'	23°19'	13°29'	17°13'	23°13'	21°53'	11°08'	4°58'		
M10	1 49 13	25°30'48"	20°13'	22°57'	11°21'	16°28'	25°08'	13°19'	23°22'	13°31'	17°14'	23°D12	21°50'	11°14'	5°04'		
T 11	1 53 09	26°30'43"	2 ^h 25	24°37'	12°07'	17°11'	25°17'	13°25'	23°24'	13°34'	17°15'	23°12'	21°47'	11°21'	5°11'		
W12	1 57 06	27°30'41"	14°24'	26°16'	12°53'	17°54'	25°26'	13°30'	23°26'	13°36'	17°16'	23°13'	21°43'	11°28'	5°17'		
T 13	2 01 02	28°30'41"	26°14'	27°55'	13°40'	18°37'	25°35'	13°36'	23°28'	13°38'	17°17'	23°14'	21°40'	11°34'	5°23'		
F 14	2 04 59	29°30'43"	8 ^h 1	29°33'	14°28'	19°19'	25°44'	13°42'	23°30'	13°40'	17°18'	23°16'	21°37'	11°41'	5°30'		
S 15	2 08 55	0 ^h ML30'47"	19°49'	1 ^h ML11	15°17'	20°02'	25°52'	13°47'	23°32'	13°42'	17°18'	23°R17	21°34'	11°48'	5°36'		
S 16	2 12 52	1°30'54"	1 ^h 42	2°49'	16°07'	20°46'	26°01'	13°53'	23°34'	13°45'	17°19'	23°17'	21°31'	11°54'	5°42'		
M17	2 16 48	2°31'02"	13°44'	4°26'	16°58'	21°29'	26°09'	13°59'	23°36'	13°47'	17°20'	23°15'	21°28'	12°01'	5°48'		
T 18	2 20 45	3°31'12"	25°56'	6°03'	17°49'	22°12'	26°18'	14°05'	23°38'	13°49'	17°20'	23°11'	21°24'	12°08'	5°54'		
W19	2 24 41	4°31'24"	8 ^h ML21	7°39'	18°41'	22°55'	26°26'	14°11'	23°39'	13°51'	17°21'	23°05'	21°21'	12°14'	6°00'		
T 20	2 28 38	5°31'38"	20°58'	9°15'	19°34'	23°38'	26°34'	14°17'	23°41'	13°53'	17°22'	22°57'	21°18'	12°21'	6°06'		
F 21	2 32 35	6°31'54"	3 ^h 749	10°50'	20°27'	24°22'	26°42'	14°23'	23°43'	13°55'	17°22'	22°49'	21°15'	12°28'	6°11'		
S 22	2 36 31	7°32'11"	16°53'	12°25'	21°22'	25°05'	26°50'	14°29'	23°45'	13°57'	17°23'	22°41'	21°12'	12°34'	6°17'		
S 23	2 40 28	8°32'31"	0 ^h 3	14°00'	22°16'	25°49'	26°58'	14°35'	23°46'	13°59'	17°24'	22°35'	21°08'	12°41'	6°23'		
M24	2 44 24	9°32'51"	13°37'	15°34'	23°12'	26°32'	27°05'	14°41'	23°48'	14°01'	17°24'	22°30'	21°05'	12°48'	6°28'		
T 25	2 48 21	10°33'13"	27°17'	17°08'	24°08'	27°16'	27°13'	14°47'	23°49'	14°04'	17°25'	22°27'	21°02'	12°54'	6°33'		
W26	2 52 17	11°33'36"	11 ^h 8	18°41'	25°04'	27°59'	27°20'	14°53'	23°51'	14°06'	17°25'	22°D26	20°59'	13°01'	6°39'		
T 27	2 56 14	12°34'01"	25°12'	20°15'	26°02'	28°43'	27°27'	15°00'	23°52'	14°08'	17°25'	22°26'	20°56'	13°07'	6°44'		
F 28	3 00 10	13°34'27"	9 ^h X27	21°48'	26°59'	29°27'	27°34'	15°06'	23°53'	14°10'	17°26'	22°27'	20°53'	13°14'	6°49'		
S 29	3 04 07	14°34'55"	23°51'	23°21'	27°58'	0 ^h 711	27°41'	15°12'	23°55'	14°12'	17°26'	22°R28	20°49'	13°21'	6°54'		
S 30	3 08 04	15°35'23"	8 ^h Y21	24°53'	28°56'	0°55'	27°48'	15°19'	23°56'	14°14'	17°26'	22°27'	20°46'	13°27'	6°59'		
M31	3 12 00	16 ^h ML35'53"	22 ^h Y53	26 ^h ML25	29 ^h 56	1 ^h 739	27°54'	15°25'	23°57'	14°16'	17°27'	22 ^h 23	20 ^h 43	13 ^h 34	7 ^h 04		

Delta T = 216.31 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1457

NOVEMBER 1457 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
T 1	3 15 57	17♌36'25	7♋22	27♍57	0♊55	2♉22	28♈1	15♄32	23♃58	14♂18	17♌27	22°R18	20♍40	13♎41	7♏9	9
W 2	3 19 53	18°36'58	21°40	29°29	1°56	3°7	28°7	15°38	23°59	14°19	17°27	22♍9	20°37	13°47	7°14	14
T 3	3 23 50	19°37'33	5♌42	1♉1	2°56	3°51	28°13	15°45	24°0	14°21	17°28	22°0	20°34	13°54	7°18	15
F 4	3 27 46	20°38'09	19°24	2°32	3°57	4°35	28°19	15°51	24°1	14°23	17°28	21°49	20°30	14°1	7°23	16
S 5	3 31 43	21°38'47	2♌43	4°3	4°59	5°19	28°25	15°58	24°2	14°25	17°28	21°40	20°27	14°7	7°27	17
S 6	3 35 39	22°39'26	15°37	5°33	6°1	6°3	28°31	16°5	24°3	14°27	17°28	21°32	20°24	14°14	7°32	18
M 7	3 39 36	23°40'07	28°10	7°4	7°3	6°48	28°36	16°11	24°4	14°29	17°28	21°26	20°21	14°21	7°36	19
T 8	3 43 33	24°40'50	10♌24	8°34	8°6	7°32	28°41	16°18	24°4	14°31	17°28	21°23	20°18	14°27	7°40	20
W 9	3 47 29	25°41'34	22°23	10°4	9°9	8°16	28°47	16°25	24°5	14°32	17°28	21°D22	20°14	14°34	7°44	21
T 10	3 51 26	26°42'20	4♍14	11°33	10°12	9°1	28°52	16°31	24°6	14°34	17°R28	21°22	20°11	14°41	7°48	22
F 11	3 55 22	27°43'08	16°1	13°3	11°16	9°46	28°56	16°38	24°6	14°36	17°28	21°R23	20°8	14°47	7°52	23
S 12	3 59 19	28°43'57	27°51	14°31	12°20	10°30	29°1	16°45	24°7	14°38	17°28	21°22	20°5	14°54	7°55	24
S 13	4 3 15	29°44'47	9♌47	16°0	13°24	11°15	29°6	16°52	24°7	14°39	17°28	21°21	20°2	15°0	7°59	25
M 14	4 7 12	0♉45'39	21°55	17°27	14°29	12°0	29°10	16°59	24°8	14°41	17°28	21°16	19°59	15°7	8°3	26
T 15	4 11 8	1°46'32	4♍17	18°54	15°34	12°44	29°14	17°6	24°8	14°43	17°28	21°9	19°55	15°14	8°6	27
W 16	4 15 5	2°47'27	16°57	20°20	16°39	13°29	29°18	17°12	24°8	14°45	17°28	21°0	19°52	15°20	8°9	28
T 17	4 19 2	3°48'22	29°54	21°46	17°45	14°14	29°22	17°19	24°8	14°46	17°28	20°48	19°49	15°27	8°13	29
F 18	4 22 58	4°49'19	13♉8	23°10	18°51	14°59	29°26	17°26	24°9	14°48	17°27	20°35	19°46	15°34	8°16	30
S 19	4 26 55	5°50'17	26°37	24°34	19°57	15°44	29°29	17°33	24°9	14°49	17°27	20°23	19°43	15°40	8°19	31
S 20	4 30 51	6°51'16	10♊17	25°56	21°3	16°29	29°32	17°40	24°9	14°51	17°27	20°11	19°39	15°47	8°22	32
M 21	4 34 48	7°52'15	24°7	27°16	22°10	17°14	29°35	17°47	24°R9	14°52	17°27	20°2	19°36	15°54	8°24	33
T 22	4 38 44	8°53'16	8♁3	28°35	23°17	17°59	29°38	17°54	24°9	14°54	17°26	19°57	19°33	16°0	8°27	34
W 23	4 42 41	9°54'17	22°2	29°51	24°24	18°44	29°41	18°1	24°9	14°55	17°26	19°53	19°30	16°7	8°30	35
T 24	4 46 37	10°55'18	6♁5	1♊5	25°31	19°30	29°44	18°8	24°9	14°57	17°25	19°53	19°27	16°14	8°32	36
F 25	4 50 34	11°56'20	20°10	2°16	26°38	20°15	29°46	18°15	24°8	14°58	17°25	19°53	19°24	16°20	8°34	37
S 26	4 54 31	12°57'22	4♍16	3°24	27°46	21°0	29°48	18°22	24°8	15°0	17°25	19°52	19°20	16°27	8°37	38
S 27	4 58 27	13°58'25	18°22	4°28	28°54	21°46	29°50	18°29	24°8	15°1	17°24	19°50	19°17	16°33	8°39	39
M 28	5 2 24	14°59'28	2♋27	5°27	0♌2	22°31	29°52	18°36	24°7	15°2	17°24	19°45	19°14	16°40	8°41	40
T 29	5 6 20	16°0'32	16°28	6°22	1°10	23°17	29°54	18°43	24°7	15°4	17°23	19°37	19°11	16°47	8°42	41
W 30	5 10 17	17°1'37	0♌21	7♋10	2♍19	24°2	29°55	18°50	24°6	15°5	17°22	19°26	19°8	16°53	8°44	42

Delta T = 216.23 sec. Julian Calendar 1 Nov. 1457 == Greg. Calendar 10 Nov. 1457

DECEMBER 1457 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
T 1	5 14 13	18♉2'42	14♌3	7♋52	3♍27	24♉48	29♈56	18♄57	24°R6	15♂6	17°R22	19°R13	19♍5	17♎0	8♏46	43
F 2	5 18 10	19°3'47	27°29	8°26	4°36	25°33	29°57	19°4	24°5	15°7	17°21	19°0	19°1	17°7	8°47	44
S 3	5 22 6	20°4'53	10♌37	8°53	5°45	26°19	29°58	19°11	24°5	15°9	17°21	18°47	18°58	17°13	8°49	45
S 4	5 26 3	21°6'00	23°26	9°9	6°55	27°5	29°59	19°19	24°4	15°10	17°20	18°36	18°55	17°20	8°50	46
M 5	5 30 0	22°7'07	5♌56	9°R16	8°4	27°50	29°59	19°26	24°3	15°11	17°19	18°27	18°52	17°27	8°51	47
T 6	5 33 56	23°8'15	18°9	9°12	9°13	28°36	0♍0	19°33	24°2	15°12	17°19	18°21	18°49	17°33	8°52	48
W 7	5 37 53	24°9'24	0♍9	8°56	10°23	29°22	0°R0	19°40	24°1	15°13	17°18	18°18	18°45	17°40	8°53	49
T 8	5 41 49	25°10'33	12°0	8°29	11°33	0♊8	29°59	19°47	24°0	15°14	17°17	18°17	18°42	17°47	8°54	50
F 9	5 45 46	26°11'43	23°47	7°50	12°43	0°54	29°59	19°54	23°59	15°15	17°16	18°17	18°39	17°53	8°55	51
S 10	5 49 42	27°12'53	5♌36	6°59	13°53	1°40	29°59	20°1	23°58	15°16	17°15	18°17	18°36	18°0	8°55	52
S 11	5 53 39	28°14'04	17°33	5°59	15°3	2°26	29°58	20°8	23°57	15°17	17°15	18°15	18°33	18°7	8°56	53
M 12	5 57 35	29°15'15	29°43	4°50	16°13	3°12	29°57	20°15	23°56	15°18	17°14	18°12	18°30	18°13	8°56	54
T 13	6 1 32	0♊16'26	12♌10	3°34	17°24	3°58	29°56	20°22	23°55	15°19	17°13	18°5	18°26	18°20	8°56	55
W 14	6 5 29	1°17'39	24°58	2°14	18°35	4°44	29°55	20°29	23°54	15°20	17°12	17°56	18°23	18°26	8°R56	56
T 15	6 9 25	2°18'51	8♉8	0°52	19°45	5°30	29°53	20°36	23°53	15°21	17°11	17°45	18°20	18°33	8°56	57
F 16	6 13 22	3°20'03	21°41	29♉31	20°56	6°16	29°51	20°43	23°51	15°21	17°10	17°33	18°17	18°40	8°56	58
S 17	6 17 18	4°21'16	5♋33	28°15	22°7	7°3	29°50	20°50	23°50	15°22	17°9	17°20	18°14	18°46	8°56	59
S 18	6 21 15	5°22'29	19°40	27°4	23°18	7°49	29°48	20°56	23°48	15°23	17°8	17°9	18°11	18°53	8°56	60
M 19	6 25 11	6°23'41	3♌58	26°0	24°29	8°35	29°45	21°3	23°47	15°24	17°7	17°0	18°7	19°0	8°55	61
T 20	6 29 8	7°24'53	18°19	25°6	25°40	9°22	29°43	21°10	23°45	15°24	17°6	16°54	18°4	19°6	8°55	62
W 21	6 33 5	8°26'05	2♁41	24°21	26°52	10°8	29°40	21°17	23°44	15°25	17°5	16°51	18°1	19°13	8°54	63
T 22	6 37 1	9°27'16	16°58	23°46	28°3	10°54	29°37	21°24	23°42	15°25	17°4	16°D51	17°58	19°20	8°53	64
F 23	6 40 58	10°28'27	1♍8	23°22	29°14	11°41	29°34	21°31	23°41	15°26	17°3	16°51	17°55	19°26	8°52	65
S 24	6 44 54	11°29'37	15°10	23°7	0♉26	12°27	29°31	21°37	23°39	15°26	17°2	16°R51	17°51	19°33	8°51	66
S 25	6 48 51	12°30'47	29°5	23°D1	1°38	13°14	29°28	21°44	23°37	15°27	17°0	16°50	17°48	19°40	8°50	67
M 26	6 52 47	13°31'56	12♋50	23°4	2°49	14°1	29°24	21°51	23°35	15°27	16°59	16°46	17°45	19°46	8°49	68
T 27	6 56 44	14°33'04	26°27	23°15	4°1	14°47	29°20	21°58	23°34	15°28	16°58	16°40	17°42	19°53	8°47	69
W 28	7 0 40	15°34'12	9♌54	5°13	15°34	29°16	29°16	22°4	23°32	15°28	16°57	16°31	17°39	19°59	8°46	70
T 29	7 4 37	16°35'19	23°9	24°0	6°25	16°20	29°12	22°11	23°30	15°29	16°56	16°21	17°36	20°6	8°44	71
F 30	7 8 34	17°36'25	6♌12	24°31	7°37	17°7	29°8	22°18	23°28	15°29	16°54	16°10	17°32	20°13	8°42	72
S 31	7 12 30	18°37'31	19♌1	25♉9	8♉49	17°354	29°4	22°24	23°26	15°29	16°53	15°59	17°29	20°19	8♎41	73

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