

SWISS EPHEMERIS for the year 1454

JANUARY 1454 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	7 16 21	19°36'59	11°16	17°16	21°28	18°00	7°00	11°10	3°R49	6°R47	9°R58	6°R13	4°48	7°48	8°R22	
W 2	7 20 17	20°38'06	23°50	18°55	22°42	18°44	7°08	11°14	3°L46	6°L47	9°L56	6°L4	4°45	7°54	8°L18	
T 3	7 24 14	21°39'13	6°H 9	20°35	23°55	19°27	7°16	11°17	3°44	6°47	9°55	5°56	4°42	8°01	8°14	
F 4	7 28 11	22°40'18	18°16	22°15	25°09	20°11	7°24	11°21	3°41	6°47	9°54	5°49	4°39	8°08	8°10	
S 5	7 32 07	23°41'23	0°V13	23°56	26°23	20°55	7°32	11°25	3°39	6°46	9°52	5°44	4°36	8°14	8°06	
S 6	7 36 04	24°42'26	12°04	25°37	27°37	21°39	7°41	11°28	3°36	6°46	9°51	5°41	4°32	8°21	8°02	
M 7	7 40 00	25°43'29	23°54	27°19	28°50	22°22	7°50	11°32	3°33	6°46	9°50	5°D39	4°29	8°28	7°58	
T 8	7 43 57	26°44'30	5°B48	29°02	0°K 4	23°06	7°58	11°35	3°31	6°46	9°48	5°40	4°26	8°34	7°54	
W 9	7 47 53	27°45'31	17°52	0°A45	1°17	23°50	8°07	11°39	3°28	6°45	9°47	5°41	4°23	8°41	7°50	
T 10	7 51 50	28°46'30	0°II10	2°29	2°31	24°34	8°16	11°42	3°26	6°45	9°45	5°R42	4°20	8°48	7°46	
F 11	7 55 46	29°47'28	12°48	4°13	3°44	25°18	8°25	11°45	3°23	6°45	9°44	5°42	4°17	8°55	7°42	
S 12	7 59 43	0°A48'25	25°48	5°58	4°57	26°02	8°35	11°48	3°20	6°44	9°43	5°40	4°13	9°01	7°38	
S 13	8 03 40	1°49'21	9°E12	7°43	6°10	26°46	8°44	11°51	3°18	6°44	9°41	5°35	4°10	9°08	7°35	
M14	8 07 36	2°50'16	23°01	9°29	7°24	27°30	8°54	11°54	3°15	6°43	9°40	5°29	4°07	9°15	7°31	
T 15	8 11 33	3°51'10	7°L10	11°15	8°37	28°14	9°03	11°57	3°13	6°43	9°38	5°20	4°04	9°21	7°27	
W16	8 15 29	4°52'02	21°36	13°01	9°50	28°58	9°13	11°59	3°10	6°42	9°37	5°10	4°01	9°28	7°24	
T 17	8 19 26	5°52'54	6°M12	14°48	11°03	29°42	9°23	12°02	3°07	6°42	9°35	5°00	3°58	9°35	7°20	
F 18	8 23 22	6°53'44	20°50	16°34	12°16	0°Z26	9°33	12°04	3°05	6°41	9°34	4°52	3°54	9°41	7°17	
S 19	8 27 19	7°54'33	5°A23	18°21	13°29	1°11	9°43	12°07	3°02	6°40	9°33	4°45	3°51	9°48	7°13	
S 20	8 31 15	8°55'22	19°46	20°07	14°41	1°55	9°53	12°09	2°59	6°40	9°31	4°41	3°48	9°55	7°10	
M21	8 35 12	9°56'10	3°M57	21°53	15°54	2°39	10°04	12°11	2°57	6°39	9°30	4°40	3°45	10°02	7°06	
T 22	8 39 09	10°56'56	17°54	23°38	17°07	3°24	10°14	12°13	2°54	6°38	9°28	4°D40	3°42	10°08	7°03	
W23	8 43 05	11°57'42	1°A36	25°22	18°19	4°08	10°25	12°15	2°52	6°37	9°27	4°R40	3°38	10°15	7°00	
T 24	8 47 02	12°58'27	15°06	27°04	19°32	4°52	10°36	12°17	2°49	6°37	9°25	4°40	3°35	10°22	6°57	
F 25	8 50 58	13°59'10	28°23	28°45	20°44	5°37	10°47	12°19	2°47	6°36	9°24	4°37	3°32	10°28	6°54	
S 26	8 54 55	14°59'53	11°Z29	0°K24	21°57	6°21	10°57	12°21	2°44	6°35	9°23	4°32	3°29	10°35	6°51	
S 27	8 58 51	16°00'34	24°25	2°00	23°09	7°06	11°09	12°22	2°41	6°34	9°21	4°24	3°26	10°42	6°48	
M28	9 02 48	17°01'14	7°L10	3°33	24°21	7°50	11°20	12°24	2°39	6°33	9°20	4°13	3°23	10°48	6°45	
T 29	9 06 44	18°01'52	19°44	5°03	25°33	8°35	11°31	12°25	2°36	6°32	9°18	4°00	3°19	10°55	6°42	
W30	9 10 41	19°02'29	2°K 7	6°27	26°45	9°19	11°42	12°27	2°34	6°31	9°17	3°46	3°16	11°02	6°39	
T 31	9 14 38	20°03'04	14°K19	7°K47	27°K57	10°Z 4	11°V54	12°M28	2°L31	6°L30	9°L15	3°A33	3°A13	11°V 8	6°Z37	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
T 1	22s 4	12s58	4n40	24s17	1s54	15s57	1s39	23s14	0s16	1n37	1s16	13s 0	2n20	19n59	0n38	1s15
W 2	21 55	8 53	5 1 24	6 1 57	15 32	1 38	23 19	0 17	1 41	1 16	13 2	2 20	19 59	0 38	1 15	1 35
T 3	21 46	4 31	5 8 23	53 1 59	15 7	1 37	23 23	0 18	1 44	1 15	13 3	2 20	20 0	0 38	1 15	1 35
F 4	21 36	0 2	5 1 23	39 2 1	14 41	1 36	23 27	0 18	1 48	1 15	13 3	2 20	20 0	0 38	1 15	1 35
S 5	21 25	4n22	4 41	23 23	2 14	14 15	1 35	23 31	0 19	1 51	1 15	13 4	2 20	20 1	0 38	1 15
S 6	21 15	8 35	4 8 23	6 2 3	13 48	1 34	23 34	0 20	1 55	1 15	13 5	2 21	20 2	0 38	1 15	1 35
M 7	21 4	12 29	3 26	22 47	2 4	13 21	1 32	23 38	0 21	1 58	1 14	13 6	2 21	20 2	0 38	1 15
T 8	20 52	15 55	2 34	22 27	2 5	12 54	1 31	23 41	0 21	2 2	1 14	13 7	2 21	20 3	0 38	1 14
W 9	20 40	18 43	1 35	22 4	2 4	12 26	1 29	23 44	0 22	2 6	1 14	13 8	2 21	20 3	0 38	1 14
T 10	20 28	20 44	0 30	21 40	2 4	11 58	1 28	23 46	0 23	2 10	1 14	13 9	2 21	20 4	0 38	1 14
F 11	20 15	21 46	0s38	21 15	2 3	11 30	1 26	23 49	0 23	2 13	1 13	13 9	2 22	20 5	0 38	1 14
S 12	20 2	21 41	1 46	20 48	2 1	11 1	1 24	23 51	0 24	2 17	1 13	13 10	2 22	20 5	0 38	1 14
S 13	19 49	20 22	2 49	20 19	1 59	10 33	1 22	23 53	0 25	2 21	1 13	13 11	2 22	20 6	0 38	1 13
M14	19 35	17 50	3 45	19 48	1 57	10 4	1 20	23 55	0 26	2 25	1 13	13 12	2 22	20 7	0 38	1 13
T 15	19 21	14 12	4 28	19 16	1 53	9 34	1 18	23 56	0 26	2 29	1 13	13 12	2 22	20 7	0 38	1 13
W16	19 6	9 41	4 56	18 42	1 50	9 5	1 16	23 57	0 27	2 33	1 12	13 13	2 23	20 8	0 38	1 13
T 17	18 51	4 33	5 4 18	7 1 45	8 35	1 14	23 58	0 28	2 37	1 12	13 13	2 23	20 8	0 38	1 12	1 35
F 18	18 36	0s50	4 52	17 31	1 40	8 5	1 12	23 59	0 28	2 42	1 12	13 14	2 23	20 9	0 38	1 12
S 19	18 21	6 9	4 22	16 52	1 35	7 35	1 9	23 59	0 29	2 46	1 12	13 14	2 23	20 10	0 38	1 12
S 20	18 5	11 4	3 35	16 13	1 28	7 4	1 7	24 0	0 30	2 50	1 11	13 15	2 24	20 10	0 38	1 11
M21	17 49	15 19	2 36	15 32	1 21	6 34	1 4	24 0	0 31	2 54	1 11	13 15	2 24	20 11	0 38	1 11
T 22	17 32	18 37	1 28	14 50	1 14	6 3	1 2	23 59	0 31	2 59	1 11	13 16	2 24	20 11	0 38	1 11
W23	17 15	20 49	0 16	14 8	1 5	5 32	0 59	23 59	0 32	3 3	1 11	13 16	2 24	20 12	0 38	1 10
T 24	16 58	21 46	0n55	13 24	0 56	5 1	0 56	23 58	0 33	3 7	1 11	13 17	2 24	20 13	0 38	1 10
F 25	16 41	21 27	2 2	12 40	0 46	4 30	0 54	23 57	0 34	3 12	1 10	13 17	2 25	20 13	0 38	1 10
S 26	16 23	19 59	3 2	11 55	0 35	3 59	0 51	23 56	0 34	3 16	1 10	13 17	2 25	20 14	0 38	1 9
S 27	16 5	17 30	3 51	11 10	0 24	3 28	0 48	23 54	0 35	3 21	1 10	13 17	2 25	20 14	0 38	1 9
M28	15 47	14 12	4 28	10 25	0 12	2 56	0 45	23 52	0 36	3 25	1 10	13 18	2 25	20 15	0 38	1 8
T 29	15 28	10 20	4 51	9 40	0n 1	2 25	0 42	23 50	0 37	3 30	1 10	13 18	2 26	20 16	0 38	1 8
W30	15 9	6 5	5 0	8 57	0 15	1 53	0 39	23 48	0 37	3 35	1 9	13 18	2 26	20 16	0 38	1 8
T 31	14s50	1s39	4n55	8s14	0n29	1s22	0s36	23s46	0s38	3n39	1s 9	13s18	2n26	20n17	0n38	1s 7

Julian Day Number = 2252131.5, Delta T = 245.68 sec

Ecliptic obliquity = 23°30'32, Nutation = 0°00'17

Ayanamsha: Fagan/Bradley = 17°07'23, Lahiri = 16°14'23 Julian Calendar 1 Jan. 1454 == Greg. Calendar 10 Jan. 1454

SWISS EPHEMERIS for the year 1454

FEBRUARY 1454 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	9 18 34	21° 3' 38"	26° 21'	9° 1'	29° 9'	10° 48'	12° 5'	12° 29'	2° 29'	6° 29'	9° 14'	3° 20'	3° 10'	11° 15'	6° 34'
S 2	9 22 31	22° 4' 09"	8° 15'	10° 9'	0° 21'	11° 33'	12° 17'	12° 30'	2° 27'	6° 28'	9° 13'	3° 11'	3° 7'	11° 22'	6° 32'
S 3	9 26 27	23° 4' 39"	20° 5'	11° 9'	1° 32'	12° 18'	12° 29'	12° 31'	2° 24'	6° 27'	9° 11'	3° 4'	3° 4'	11° 29'	6° 29'
M 4	9 30 24	24° 5' 08"	1° 53'	12° 2'	2° 44'	13° 3'	12° 40'	12° 31'	2° 22'	6° 26'	9° 10'	2° 59'	3° 0'	11° 35'	6° 27'
T 5	9 34 20	25° 5' 34"	13° 45'	12° 46'	3° 55'	13° 47'	12° 52'	12° 32'	2° 19'	6° 25'	9° 8'	2° 57'	2° 57'	11° 42'	6° 25'
W 6	9 38 17	26° 5' 58"	25° 46'	13° 22'	5° 7'	14° 32'	13° 4'	12° 33'	2° 17'	6° 24'	9° 7'	2° 57'	2° 54'	11° 49'	6° 23'
T 7	9 42 13	27° 6' 21"	8° 11'	13° 48'	6° 18'	15° 17'	13° 16'	12° 33'	2° 15'	6° 23'	9° 6'	2° 57'	2° 51'	11° 55'	6° 21'
F 8	9 46 10	28° 6' 41"	20° 35'	14° 5'	7° 29'	16° 2'	13° 29'	12° 34'	2° 12'	6° 21'	9° 4'	2° 56'	2° 48'	12° 2'	6° 19'
S 9	9 50 7	29° 7' 00"	3° 34'	14° R11	8° 40'	16° 46'	13° 41'	12° 34'	2° 10'	6° 20'	9° 3'	2° 53'	2° 44'	12° 9'	6° 17'
S 10	9 54 3	0° 7' 17"	17° 1'	14° 8'	9° 51'	17° 31'	13° 53'	12° 34'	2° 8'	6° 19'	9° 2'	2° 48'	2° 41'	12° 15'	6° 15'
M 11	9 58 0	1° 7' 31"	0° 56'	13° 56'	11° 2'	18° 16'	14° 5'	12° R34	2° 6'	6° 18'	9° 0'	2° 40'	2° 38'	12° 22'	6° 13'
T 12	10 1 56	2° 7' 44"	15° 19'	13° 34'	12° 12'	19° 1'	14° 18'	12° 34'	2° 4'	6° 16'	8° 59'	2° 30'	2° 35'	12° 29'	6° 12'
W 13	10 5 53	3° 7' 54"	0° 11'	13° 3'	13° 23'	19° 46'	14° 30'	12° 34'	2° 1'	6° 15'	8° 58'	2° 18'	2° 32'	12° 35'	6° 10'
T 14	10 9 49	4° 8' 03"	12° 24'	12° 24'	14° 33'	20° 31'	14° 43'	12° 34'	1° 59'	6° 14'	8° 57'	2° 6'	2° 29'	12° 42'	6° 9'
F 15	10 13 46	5° 8' 10"	0° 57'	11° 39'	15° 44'	21° 16'	14° 56'	12° 33'	1° 57'	6° 12'	8° 55'	1° 56'	2° 25'	12° 49'	6° 7'
S 16	10 17 42	6° 8' 15"	15° 5'	10° 48'	16° 54'	22° 1'	15° 8'	12° 33'	1° 55'	6° 11'	8° 54'	1° 48'	2° 22'	12° 56'	6° 6'
S 17	10 21 39	7° 8' 19"	29° 50'	9° 52'	18° 4'	22° 46'	15° 21'	12° 32'	1° 53'	6° 10'	8° 53'	1° 42'	2° 19'	13° 2'	6° 5'
M 18	10 25 36	8° 8' 21"	14° 16'	8° 54'	19° 14'	23° 31'	15° 34'	12° 32'	1° 51'	6° 8'	8° 52'	1° 40'	2° 16'	13° 9'	6° 4'
T 19	10 29 32	9° 8' 21"	28° 20'	7° 53'	20° 23'	24° 16'	15° 47'	12° 31'	1° 49'	6° 7'	8° 50'	1° D39	2° 13'	13° 16'	6° 3'
W 20	10 33 29	10° 8' 20"	12° 3'	6° 53'	21° 33'	25° 1'	16° 0'	12° 30'	1° 47'	6° 5'	8° 49'	1° R39	2° 10'	13° 22'	6° 2'
T 21	10 37 25	11° 8' 17"	25° 26'	5° 53'	22° 42'	25° 47'	16° 13'	12° 29'	1° 45'	6° 4'	8° 48'	1° 38'	2° 6'	13° 29'	6° 1'
F 22	10 41 22	12° 8' 13"	8° 31'	4° 56'	23° 52'	26° 32'	16° 26'	12° 28'	1° 44'	6° 2'	8° 47'	1° 36'	2° 3'	13° 36'	6° 0'
S 23	10 45 18	13° 8' 06"	21° 21'	4° 3'	25° 1'	27° 17'	16° 39'	12° 27'	1° 42'	6° 1'	8° 46'	1° 31'	2° 0'	13° 42'	6° 0'
S 24	10 49 15	14° 7' 59"	3° 59'	3° 14'	26° 10'	28° 2'	16° 53'	12° 26'	1° 40'	6° 0'	8° 44'	1° 23'	1° 57'	13° 49'	5° 59'
M 25	10 53 11	15° 7' 49"	16° 27'	2° 29'	27° 19'	28° 47'	17° 6'	12° 24'	1° 38'	5° 58'	8° 43'	1° 12'	1° 54'	13° 56'	5° 59'
T 26	10 57 8	16° 7' 37"	28° 45'	1° 51'	28° 28'	29° 33'	17° 19'	12° 23'	1° 37'	5° 56'	8° 42'	1° 0'	1° 50'	14° 2'	5° 58'
W 27	11 1 5	17° 7' 23"	10° 54'	1° 18'	29° 36'	0° 18'	17° 33'	12° 21'	1° 35'	5° 55'	8° 41'	0° 46'	1° 47'	14° 9'	5° 58'
T 28	11 5 1	18° 7' 08"	22° 57'	0° 52'	0° 44'	1° 3'	17° 46'	12° 20'	1° 34'	5° 53'	8° 40'	0° 32'	1° 44'	14° 16'	5° 58'

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	14s31	2n47	4n37	7s33	0n43	0s50	0s32	23s43	0s39	3n44	1s 9	13s18	2n26	20n17	0n38
S 2	14 12	7 4	4 7	6 53	0 58	0 19	0 29	23 40	0 40	3 49	1 9	13 18	2 26	20 18	0 38
S 3	13 52	11 3	3 26	6 16	1 13	0n13	0 26	23 37	0 40	3 53	1 9	13 18	2 27	20 18	0 38
M 4	13 32	14 37	2 37	5 42	1 29	0 45	0 22	23 33	0 41	3 58	1 8	13 19	2 27	20 19	0 38
T 5	13 12	17 36	1 40	5 11	1 44	1 16	0 19	23 29	0 42	4 3	1 8	13 19	2 27	20 19	0 38
W 6	12 51	19 52	0 38	4 43	2 0	1 48	0 15	23 25	0 43	4 8	1 8	13 18	2 27	20 20	0 38
T 7	12 31	21 16	0s27	4 19	2 15	2 20	0 12	23 21	0 43	4 13	1 8	13 18	2 28	20 20	0 38
F 8	12 10	21 39	1 32	3 59	2 29	2 51	0 8	23 16	0 44	4 18	1 8	13 18	2 28	20 21	0 38
S 9	11 49	20 53	2 34	3 44	2 43	3 23	0 5	23 12	0 45	4 23	1 8	13 18	2 28	20 21	0 38
S 10	11 28	18 57	3 30	3 33	2 56	3 54	0 1	23 7	0 46	4 27	1 7	13 18	2 28	20 22	0 38
M 11	11 6	15 50	4 16	3 27	3 8	4 25	0n 3	23 1	0 46	4 32	1 7	13 18	2 28	20 22	0 38
T 12	10 45	11 43	4 47	3 26	3 18	4 56	0 7	22 56	0 47	4 37	1 7	13 18	2 29	20 23	0 38
W 13	10 23	6 48	5 0	3 29	3 27	5 27	0 10	22 50	0 48	4 42	1 7	13 17	2 29	20 23	0 38
T 14	10 1	1 24	4 45	3 37	3 34	5 28	0 14	22 44	0 49	4 47	1 7	13 17	2 29	20 24	0 38
F 15	9 39	4s 6	4 23	3 50	3 39	6 29	0 18	22 38	0 49	4 52	1 7	13 17	2 29	20 24	0 38
S 16	9 17	9 20	3 39	4 6	3 43	7 0	0 22	22 32	0 50	4 58	1 6	13 16	2 30	20 25	0 38
S 17	8 55	13 56	2 40	4 26	3 44	7 30	0 26	22 25	0 51	5 3	1 6	13 16	2 30	20 25	0 38
M 18	8 33	17 36	1 31	4 49	3 42	8 1	0 30	22 18	0 52	5 8	1 6	13 16	2 30	20 26	0 38
T 19	8 10	20 8	0 18	5 15	3 39	8 31	0 34	22 11	0 52	5 13	1 6	13 15	2 30	20 26	0 38
W 20	7 47	21 24	0n55	5 42	3 34	9 1	0 38	22 4	0 53	5 18	1 6	13 15	2 30	20 26	0 38
T 21	7 25	21 24	2 2	6 10	3 27	9 31	0 42	21 56	0 54	5 23	1 6	13 14	2 31	20 27	0 38
F 22	7 2	20 13	3 2	6 39	3 18	10 0	0 47	21 48	0 55	5 28	1 6	13 14	2 31	20 27	0 38
S 23	6 39	18 0	3 51	7 8	3 8	10 30	0 51	21 40	0 55	5 34	1 5	13 13	2 31	20 28	0 38
S 24	6 16	14 59	4 28	7 36	2 56	10 59	0 55	21 32	0 56	5 39	1 5	13 13	2 31	20 28	0 38
M 25	5 53	11 19	4 51	8 4	2 44	11 28	0 59	21 23	0 57	5 44	1 5	13 12	2 31	20 28	0 38
T 26	5 29	7 15	5 0	8 30	2 31	11 56	1 3	21 15	0 58	5 49	1 5	13 11	2 32	20 29	0 38
W 27	5 6	2 56	4 56	8 55	2 17	12 25	1 7	21 6	0 58	5 54	1 5	13 11	2 32	20 29	0 38
T 28	4s43	1n27	4n38	9s18	2n 2	12n53	1n12	20s57	0s59	6n 0	1s 5	13s10	2n32	20n29	0n38

Julian Day Number = 2252162.5, Delta T = 250.53 sec

Ecliptic obliquity = 23°30'33", Nutation = 0°00'17"

Ayanamsha: Fagan/Bradley = 17°07'27", Lahiri = 16°14'27" Julian Calendar 1 Feb. 1454 == Greg. Calendar 10 Feb. 1454

SWISS EPHEMERIS for the year 1454

MARCH 1454 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
F 1	11 8 58	19° 6'50	4° 53'	0°R32	1°53	1°49	18° 0	12°R18	1°R32	5°R52	8°R39	0°R20	1°41	14°Y22	5°D58
S 2	11 12 54	20° 6'30	16°44	0°X18	3° 1	2°34	18°13	12°M16	1°R31	5°R50	8°R38	0°X10	1°38	14°29	5°D58
S 3	11 16 51	21° 6'08	28°32	0°10	4° 9	3°19	18°27	12°14	1°29	5°49	8°37	0° 3	1°35	14°36	5°58
M 4	11 20 47	22° 5'44	10°32	0°D 9	5°16	4° 5	18°41	12°12	1°28	5°47	8°36	29°M58	1°31	14°43	5°59
T 5	11 24 44	23° 5'18	22°12	0°13	6°24	4°50	18°54	12°10	1°26	5°45	8°35	29°56	1°28	14°49	5°59
W 6	11 28 40	24° 4'49	4°12	0°23	7°31	5°35	19° 8	12° 8	1°25	5°44	8°34	29°D56	1°25	14°56	5°59
T 7	11 32 37	25° 4'19	16°25	0°39	8°38	6°21	19°22	12° 6	1°24	5°42	8°33	29°57	1°22	15° 3	6° 0
F 8	11 36 33	26° 3'46	28°56	0°59	9°45	7° 6	19°36	12° 3	1°23	5°41	8°32	29°R57	1°19	15° 9	6° 0
S 9	11 40 30	27° 3'10	11°50	1°24	10°52	7°52	19°49	12° 1	1°21	5°39	8°31	29°56	1°15	15°16	6° 1
S 10	11 44 27	28° 2'32	25°11	1°54	11°58	8°37	20° 3	11°58	1°20	5°37	8°31	29°53	1°12	15°23	6° 2
M11	11 48 23	29° 1'52	9° 2	2°29	13° 4	9°22	20°17	11°56	1°19	5°36	8°30	29°47	1° 9	15°29	6° 3
T 12	11 52 20	0°Y 1'09	23°22	3° 7	14°10	10° 8	20°31	11°53	1°18	5°34	8°29	29°40	1° 6	15°36	6° 4
W13	11 56 16	1° 0'25	8° 9	3°49	15°16	10°53	20°45	11°50	1°17	5°32	8°28	29°31	1° 3	15°43	6° 5
T 14	12 0 13	1°59'37	21°15	4°35	16°22	11°39	20°59	11°47	1°16	5°31	8°27	29°22	1° 0	15°49	6° 6
F 15	12 4 9	2°58'48	8°31	5°24	17°27	12°24	21°13	11°44	1°16	5°29	8°27	29°14	0°56	15°56	6° 8
S 16	12 8 6	3°57'57	23°46	6°16	18°32	13°10	21°27	11°41	1°15	5°28	8°26	29° 8	0°53	16° 3	6° 9
S 17	12 12 2	4°57'04	8°49	7°12	19°37	13°55	21°41	11°38	1°14	5°26	8°25	29° 4	0°50	16° 9	6°10
M18	12 15 59	5°56'09	23°33	8°10	20°41	14°41	21°55	11°35	1°13	5°24	8°25	29°D 2	0°47	16°16	6°12
T 19	12 19 56	6°55'12	7°52	9°12	21°45	15°26	22°10	11°32	1°13	5°23	8°24	29° 2	0°44	16°23	6°14
W20	12 23 52	7°54'14	21°45	10°16	22°49	16°12	22°24	11°28	1°12	5°21	8°23	29° 3	0°41	16°30	6°15
T 21	12 27 49	8°53'13	5°13	11°22	23°53	16°57	22°38	11°25	1°11	5°19	8°23	29°R 4	0°37	16°36	6°17
F 22	12 31 45	9°52'11	18°19	12°31	24°56	17°43	22°52	11°22	1°11	5°18	8°22	29° 4	0°34	16°43	6°19
S 23	12 35 42	10°51'07	1° 4	13°42	26° 0	18°28	23° 6	11°18	1°11	5°16	8°22	29° 2	0°31	16°50	6°21
S 24	12 39 38	11°50'02	13°34	14°55	27° 2	19°14	23°21	11°15	1°10	5°14	8°21	28°57	0°28	16°56	6°23
M25	12 43 35	12°48'54	25°51	16°11	28° 5	20° 0	23°35	11°11	1°10	5°13	8°21	28°51	0°25	17° 3	6°25
T 26	12 47 31	13°47'45	7°57	17°28	29° 7	20°45	23°49	11° 7	1°10	5°11	8°20	28°44	0°21	17°10	6°28
W27	12 51 28	14°46'34	19°57	18°48	0°II 9	21°31	24° 4	11° 3	1° 9	5° 9	8°20	28°35	0°18	17°16	6°30
T 28	12 55 25	15°45'21	1°51	20° 9	1°10	22°16	24°18	11° 0	1° 9	5° 8	8°19	28°27	0°15	17°23	6°33
F 29	12 59 21	16°44'05	13°42	21°32	2°11	23° 2	24°32	10°56	1° 9	5° 6	8°19	28°19	0°12	17°30	6°35
S 30	13 3 18	17°42'48	25°31	22°58	3°12	23°47	24°47	10°52	1° 9	5° 5	8°19	28°13	0° 9	17°36	6°38
S 31	13 7 14	18°Y41'29	7°R20	24°X25	4°II12	24°R33	25°Y 1	10°M48	1°D 9	5°R 3	8°R18	28°M 9	0°X 6	17°Y43	6°R40

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F 1	4s19	5n45	4n 9	9s39	1n47	13n21	1n16	20s47	1s 0	6n 5	1s 5	13s 9	2n32	20n30	0n38	0s51	1n37	25n56	8n 5	20s17	20s33	9n10	16n29	6s54														
S 2	3 56	9 48	3 28	9 57	1 33	13 48	1 20	20 38	1 1	6 10	1 5	13 9	2 32	20 30	0 38	0 50	1 37	25 56	8 5	20 15	20 33	9 12	16 30	6 53														
S 3	3 32	13 27	2 39	10 14	1 18	14 15	1 24	20 28	1 1	6 16	1 4	13 8	2 33	20 30	0 38	0 50	1 37	25 56	8 5	20 13	20 32	9 14	16 30	6 53														
M 4	3 9	16 35	1 42	10 28	1 3	14 42	1 28	20 18	1 2	6 21	1 4	13 7	2 33	20 31	0 38	0 49	1 37	25 57	8 5	20 12	20 32	9 16	16 31	6 52														
T 5	2 45	19 2	0 41	10 40	0 49	15 9	1 33	20 8	1 3	6 26	1 4	13 6	2 33	20 31	0 38	0 48	1 37	25 57	8 4	20 12	20 31	9 18	16 31	6 52														
W 6	2 21	20 40	0s23	10 50	0 35	15 35	1 37	19 57	1 4	6 31	1 4	13 5	2 33	20 31	0 38	0 48	1 37	25 57	8 4	20 12	20 30	9 20	16 32	6 51														
T 7	1 58	21 22	1 27	10 57	0 21	16 1	1 41	19 47	1 4	6 37	1 4	13 4	2 33	20 31	0 38	0 47	1 37	25 57	8 4	20 12	20 30	9 23	16 32	6 50														
F 8	1 34	21 2	2 28	11 2	0 7	16 27	1 45	19 36	1 5	6 42	1 4	13 4	2 34	20 32	0 38	0 46	1 37	25 57	8 4	20 12	20 29	9 25	16 33	6 50														
S 9	1 11	19 35	3 24	11 5	0s 5	16 52	1 49	19 25	1 6	6 47	1 4	13 3	2 34	20 32	0 38	0 46	1 37	25 57	8 4	20 12	20 28	9 27	16 34	6 49														
S 10	0 47	17 3	4 11	11 6	0 18	17 16	1 54	19 14	1 6	6 53	1 4	13 2	2 34	20 32	0 38	0 45	1 37	25 58	8 4	20 11	20 28	9 29	16 34	6 49														
M11	0 23	13 28	4 45	11 5	0 30	17 41	1 58	19 2	1 7	6 58	1 4	13 1	2 34	20 32	0 38	0 44	1 37	25 58	8 4	20 10	20 27	9 31	16 35	6 48														
T 12	0n 0	9 0	5 3	11 2	0 41	18 5	2 2	18 51	1 8	7 3	1 3	13 0	2 34	20 33	0 38	0 44	1 37	25 58	8 4	20 8	20 26	9 33	16 35	6 47														
W13	0 24	3 53	5 1	10 57	0 52	18 28	2 6	18 39	1 9	7 9	1 3	12 59	2 34	20 33	0 38	0 43	1 37	25 58	8 4	20 6	20 26	9 35	16 36	6 47														
T 14	0 48	1s35	4 39	10 50	1 2	18 51	2 10	18 27	1 9	7 14	1 3	12 58	2 35	20 33	0 38	0 42	1 37	25 58	8 4	20 4	20 25	9 37	16 36	6 46														
F 15	1 11	7 1	3 57	10 41	1 12	19 14	2 14	18 15	1 10	7 19	1 3	12 57	2 35	20 33	0 38	0 42	1 37	25 58	8 3	20 3	20 24	9 39	16 37	6 46														
S 16	1 35	12 0	2 57	10 30	1 22	19 36	2 18	18 3	1 11	7 25	1 3	12 56	2 35	20 33	0 38	0 41	1 37	25 58	8 3	20 1	20 24	9 41	16 37	6 45														
S 17	1 58	16 10	1 46	10 17	1 30	19 58	2 22	17 50	1 11	7 30	1 3	12 55	2 35	20 33	0 38	0 40	1 37	25 58	8 3	20 0	20 23	9 43	16 38	6 44														
M18	2 22	19 11	0 29	10 3	1 38	20 19	2 26	17 38	1 12	7 36	1 3	12 53	2 35	20 34	0 38	0 40	1 37	25 58	8 3	20 0	20 22	9 45	16 38	6 44														
T 19	2 45	20 54	0n47	9 47	1 46	20 40	2 30	17 25	1 13	7 41	1 3	12 52	2 35	20 34	0 38	0 39	1 37	25 58	8 3																			

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M 1	13 11 11	19°40'08	19°12	25°53	5°12	25°18	25°15	10°R44	1°09	5°R 1	8°R18	28°R 7	0°2	17°Y50	6°543
T 2	13 15 7	20°38'45	1°11	27°24	6°12	26° 4	25°30	10°M40	1° 9	5°0	8°18	28°D 7	29°M59	17°56	6°46
W 3	13 19 4	21°37'20	13°13	28°56	7°11	26°50	25°44	10°36	1° 9	4°58	8°17	28°M 8	29°56	18° 3	6°49
T 4	13 23 0	22°35'53	25°29	0°Y30	8°10	27°35	25°58	10°32	1° 9	4°57	8°17	28° 9	29°53	18°10	6°52
F 5	13 26 57	23°34'23	8°5	2° 6	9° 8	28°21	26°13	10°27	1°10	4°55	8°17	28°11	29°50	18°16	6°55
S 6	13 30 53	24°32'52	20°53	3°44	10° 6	29° 6	26°27	10°23	1°10	4°54	8°17	28°R12	29°46	18°23	6°59
S 7	13 34 50	25°31'18	4°09	5°23	11° 3	29°52	26°41	10°19	1°10	4°52	8°17	28°11	29°43	18°30	7° 2
M 8	13 38 47	26°29'42	17°51	7° 4	12° 0	0°X37	26°56	10°15	1°11	4°51	8°17	28°10	29°40	18°36	7° 5
T 9	13 42 43	27°28'03	2°11	8°47	12°56	1°23	27°10	10°10	1°11	4°49	8°16	28° 7	29°37	18°43	7° 9
W10	13 46 40	28°26'23	16°36	10°31	13°52	2° 8	27°25	10° 6	1°12	4°48	8°16	28° 3	29°34	18°50	7°12
T 11	13 50 36	29°24'40	1°33	12°17	14°47	2°53	27°39	10° 2	1°12	4°46	8°16	27°59	29°31	18°56	7°16
F 12	13 54 33	0°22'56	16°43	14° 5	15°42	3°39	27°53	9°57	1°13	4°45	8°D16	27°55	29°27	19° 3	7°20
S 13	13 58 29	1°21'09	1°M57	15°55	16°36	4°24	28° 8	9°53	1°14	4°43	8°16	27°53	29°24	19°10	7°23
S 14	14 2 26	2°19'21	17° 5	17°46	17°30	5°10	28°22	9°48	1°14	4°42	8°16	27°51	29°21	19°16	7°27
M15	14 6 22	3°17'32	1°X58	19°39	18°23	5°55	28°36	9°44	1°15	4°40	8°17	27°D51	29°18	19°23	7°31
T 16	14 10 19	4°15'40	16°29	21°34	19°15	6°41	28°51	9°39	1°16	4°39	8°17	27°51	29°15	19°30	7°35
W17	14 14 16	5°13'47	0°Z34	23°30	20° 6	7°26	29° 5	9°35	1°17	4°38	8°17	27°53	29°12	19°37	7°39
T 18	14 18 12	6°11'53	14°12	25°29	20°57	8°11	29°19	9°30	1°18	4°36	8°17	27°54	29° 8	19°43	7°43
F 19	14 22 9	7° 9'57	27°24	27°29	21°47	8°57	29°34	9°26	1°19	4°35	8°17	27°55	29° 5	19°50	7°48
S 20	14 26 5	8° 8'00	10°X13	29°30	22°37	9°42	29°48	9°21	1°20	4°34	8°17	27°R56	29° 2	19°57	7°52
S 21	14 30 2	9° 6'02	22°42	1°B34	23°25	10°27	0°B 2	9°17	1°21	4°32	8°18	27°55	28°59	20° 3	7°56
M22	14 33 58	10° 4'02	4°X56	3°38	24°13	11°13	0°17	9°12	1°22	4°31	8°18	27°53	28°56	20°10	8° 1
T 23	14 37 55	11° 2'00	16°58	5°45	25° 0	11°58	0°31	9° 8	1°23	4°30	8°18	27°51	28°52	20°17	8° 5
W24	14 41 51	11°59'58	28°52	7°52	25°46	12°43	0°45	9° 3	1°25	4°28	8°19	27°49	28°49	20°23	8°10
T 25	14 45 48	12°57'53	10°Y42	10° 1	26°32	13°28	0°59	8°59	1°26	4°27	8°19	27°47	28°46	20°30	8°14
F 26	14 49 45	13°55'48	22°31	12°10	27°16	14°14	1°13	8°54	1°27	4°26	8°19	27°45	28°43	20°37	8°19
S 27	14 53 41	14°53'41	4°B21	14°20	28° 0	14°59	1°28	8°50	1°29	4°25	8°20	27°43	28°40	20°43	8°24
S 28	14 57 38	15°51'32	16°14	16°31	28°42	15°44	1°42	8°45	1°30	4°24	8°20	27°42	28°37	20°50	8°28
M29	15 1 34	16°49'23	28°13	18°42	29°23	16°29	1°56	8°41	1°32	4°23	8°21	27°D42	28°33	20°57	8°33
T 30	15 5 31	17°47'11	10°II19	20°B53	0°5 4	17°X14	2°10	8°M37	1°33	4°21	8°21	27°M42	28°M30	21°Y 3	8°38

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	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	7n43	18n21	0n48	4s 1	2s36	24n26	3n15	14s24	1s22	8n50	1s 2	12s36	2n37	20n34	0n37	0s31	1n37	25n58	8n 1	19s48	20s13	10n13	16n45	6s36				
T 2	8 5	20 11	0s16	3 25	2 36	24 39	3 18	14 9	1 22	8 56	1 2	12 35	2 37	20 34	0 37	0 30	1 37	25 58	8 1	19 48	20 12	10 15	16 45	6 35				
W 3	8 27	21 6	1 22	2 48	2 35	24 53	3 21	13 54	1 23	9 1	1 2	12 34	2 37	20 34	0 37	0 29	1 37	25 58	8 1	19 48	20 12	10 17	16 46	6 35				
T 4	8 49	21 2	2 24	2 9	2 34	25 5	3 24	13 39	1 23	9 6	1 2	12 32	2 37	20 34	0 37	0 29	1 37	25 58	8 1	19 48	20 10	10 19	16 46	6 34				
F 5	9 11	19 55	3 21	1 30	2 33	25 17	3 27	13 24	1 24	9 11	1 2	12 31	2 37	20 34	0 37	0 28	1 37	25 58	8 1	19 49	20 10	10 21	16 46	6 34				
S 6	9 32	17 46	4 9	0 49	2 31	25 28	3 29	13 9	1 25	9 17	1 2	12 30	2 37	20 34	0 37	0 28	1 37	25 58	8 1	19 49	20 10	10 22	16 47	6 33				
S 7	9 54	14 38	4 46	0 7	2 28	25 39	3 32	12 53	1 25	9 22	1 2	12 28	2 37	20 34	0 37	0 27	1 37	25 58	8 0	19 49	20 9	10 24	16 47	6 33				
M 8	10 15	10 38	5 8	0n35	2 25	25 50	3 34	12 37	1 26	9 27	1 2	12 27	2 37	20 34	0 37	0 26	1 37	25 58	8 0	19 49	20 8	10 26	16 47	6 32				
T 9	10 36	5 55	5 12	1 19	2 22	25 59	3 36	12 22	1 26	9 32	1 2	12 25	2 37	20 33	0 37	0 26	1 37	25 58	8 0	19 48	20 8	10 28	16 48	6 32				
W10	10 57	0 45	4 57	2 4	2 17	26 9	3 38	12 6	1 27	9 37	1 2	12 24	2 37	20 33	0 37	0 25	1 37	25 58	8 0	19 47	20 7	10 30	16 48	6 31				
T 11	11 18	4s37	4 21	2 50	2 13	26 17	3 40	11 50	1 28	9 43	1 1	12 23	2 37	20 33	0 37	0 25	1 37	25 57	8 0	19 46	20 6	10 32	16 48	6 31				
F 12	11 38	9 46	3 27	3 37	2 8	26 25	3 42	11 34	1 28	9 48	1 1	12 21	2 37	20 33	0 37	0 24	1 37	25 57	8 0	19 45	20 6	10 34	16 49	6 30				
S 13	11 59	14 20	2 18	4 24	2 2	26 33	3 44	11 18	1 29	9 53	1 1	12 20	2 37	20 33	0 37	0 24	1 37	25 57	8 0	19 45	20 5	10 36	16 49	6 30				
S 14	12 19	17 56	0 59	5 12	1 56	26 40	3 45	11 2	1 29	9 58	1 1	12 18	2 37	20 33	0 37	0 23	1 37	25 57	7 59	19 44	20 4	10 38	16 49	6 29				
M15	12 39	20 15	0n23	6 1	1 49	26 46	3 47	10 46	1 30	10 3	1 1	12 17	2 37	20 32	0 37	0 22	1 37	25 57	7 59	19 44	20 4	10 40	16 50	6 29				
T 16	12 59	21 9	1 41	6 51	1 42	26 52	3 48	10 29	1 30	10 8	1 1	12 16	2 37	20 32	0 37	0 22	1 37	25 57	7 59	19 44	20 3	10 42	16 50	6 28				
W17	13 18	20 40	2 51	7 42	1 34	26 57	3 49	10 13	1 31	10 14	1 1	12 14	2 37	20 32	0 37	0 21	1 37	25 56	7 59	19 45	20 2	10 44	16 50	6 28				
T 18	13 38	18 58	3 48	8 32	1 26	27 2	3 50	9 56	1 32	10 19	1 1	12 13	2 37	20 32	0 37	0 21	1 37	25 56	7 59	19 45	20 1	10 46	16 50	6 27				
F 19	13 57	16 17	4 32	9 24	1 18	27 6	3 51	9 40	1 32	10 24	1 1	12 11	2 37	20 31	0 37	0 20	1 37	25 56	7 59	19 45	20 1	10 48	16 51	6 27				
S 20	14 16	12 54	5 1	10 15	1 9	27 10	3 52	9 23	1 33	10 29	1 1	12 10	2 37	20 31	0 37	0 20	1 37	25 56	7 59	19 45	20 0	10 50	16 51	6 26				
S 21	14 34	9 2	5 14	11 7	1 0	27 13	3 52	9 6	1 33	10 34	1 1	12 9	2 37	20 31	0 37	0 19	1 37	25 56	7 58	19 45	19 59	10 51	16 51	6 26				
M22	14 53	4 52	5 13	11 59	0 50	27 15	3 53	8 49	1 34	10 39	1 1	12 7	2 37	20 31	0 37	0 19	1 37	25 55	7 58	19 45	19 59	10 53	16 51	6 25				
T 23	15 11	0 35	4 58	12 50	0 40	27 17	3 53	8 33	1 34	10 44	1 1	12 6	2 37	20 30	0 37	0 18	1 37	25 55	7 58	19 44	19 58	10 55	16 51	6 25				
W24	15 29	3n41	4 31	13 42	0 30	27 19	3 53	8 16	1 35	10 49	1 1	12 4	2 37	20 30	0 37	0 18	1 37	25 55	7 58	19 44	19 57	10 57	16 52	6 25				
T 25	15 47	7 48	3 52	14 33	0 20	27 20	3 52	7 59	1 35	10 54	1 1	12 3	2 37	20 30	0 37	0 18	1 37	25 55	7 58	19 43	19 57	10 59	16 52	6 24				
F 26	16 4	11 37	3 3	15 23	0 9	27 21	3 52	7 42	1 36	10 59	1 1	12 2	2 37	20 29	0 37	0 17	1 37	25 54	7 58	19 43	19 56	11 1	16 52	6 24				
S 27	16 21	14 59	2 6	16 12	0n 1	27 21	3 51	7 25	1 36	11 4	1 1	12 0	2 37	20 29	0 37	0 17	1 37	25 54	7 57	19 42	19 55	11 3	16 52	6 23				
S 28	16 38	17 45	1 3	17 1	0 12	27 20	3 50	7 7	1 37	11 9	1 1	11 59	2 37	20 29	0 37	0 16	1 37	25 54	7 57	19 42	19 54	11 5	16 52	6 23				
M29	16 55	19 46	0s 3	17 48	0 22	27 20	3 49	6 50	1 37	11 13	1 1	11 58	2 37	20 28	0 37	0 16												

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
W 1	15 9 27	18°44'58	22°11'34	23°44'4	0°54'3	17°59'59	2°24'4	8°R32	1°Ω35	4°R20	8°Ω22	27°M43	28°M27	21°Υ10	8°Ω43
T 2	15 13 24	19°42'44	5°52'2	25°15'1	1°21'1	18°44'2	2°38'8	8°M28	1°36'6	4°Ω19	8°22'2	27°44'4	28°24'4	21°17'7	8°48'8
F 3	15 17 20	20°40'28	17°44'2	27°24'2	1°58'1	19°29'2	2°52'8	8°23'8	1°38'8	4°18'8	8°23'8	27°44'4	28°21'2	21°23'8	8°53'8
S 4	15 21 17	21°38'10	0°Ω42	29°33'2	2°34'4	20°14'4	3°6'6	8°19'8	1°40'4	4°17'8	8°23'8	27°45'4	28°18'8	21°30'8	8°58'8
S 5	15 25 14	22°35'51	13°59'9	1°11'40	3°8'8	20°59'9	3°20'9	8°15'9	1°42'9	4°16'9	8°24'9	27°45'4	28°14'9	21°37'9	9°4'9
M 6	15 29 10	23°33'30	27°37'7	3°45'9	3°41'9	21°44'9	3°34'9	8°10'9	1°44'9	4°15'9	8°25'9	27°R45	28°11'9	21°43'9	9°9'9
T 7	15 33 7	24°31'08	11°10'36	5°49'9	4°13'9	22°29'9	3°48'9	8°6'9	1°45'9	4°14'9	8°25'9	27°45'4	28°8'9	21°50'9	9°14'9
W 8	15 37 3	25°28'44	25°56'7	7°50'9	4°43'9	23°13'9	4°2'9	8°2'9	1°47'9	4°14'9	8°26'9	27°45'4	28°5'9	21°57'9	9°20'9
T 9	15 41 0	26°26'18	10°Ω34	9°50'9	5°11'9	23°58'9	4°15'9	7°58'9	1°49'9	4°13'9	8°27'9	27°45'4	28°2'9	22°3'9	9°25'9
F 10	15 44 56	27°23'51	25°25'7	11°47'9	5°38'9	24°43'9	4°29'9	7°54'9	1°51'9	4°12'9	8°27'9	27°D45	27°58'9	22°10'9	9°31'9
S 11	15 48 53	28°21'23	10°M23	13°42'9	6°4'9	25°27'9	4°43'9	7°50'9	1°53'9	4°11'9	8°28'9	27°45'4	27°55'9	22°17'9	9°36'9
S 12	15 52 49	29°18'53	25°20'9	15°34'9	6°27'9	26°12'9	4°56'9	7°46'9	1°55'9	4°10'9	8°29'9	27°R45	27°52'9	22°23'9	9°42'9
M13	15 56 46	0°11'6'23	10°Ω7	17°23'9	6°49'9	26°57'9	5°10'9	7°42'9	1°58'9	4°9'9	8°30'9	27°45'4	27°49'9	22°30'9	9°47'9
T 14	16 0 43	1°13'51	24°38'8	19°10'9	7°9'9	27°41'9	5°24'9	7°38'9	2°0'9	4°9'9	8°31'9	27°44'4	27°46'9	22°37'9	9°53'9
W15	16 4 39	2°11'18	8°Ω47	20°54'9	7°28'9	28°26'9	5°37'9	7°34'9	2°2'9	4°8'9	8°32'9	27°44'4	27°43'9	22°43'9	9°59'9
T 16	16 8 36	3°8'45	22°31'9	22°36'9	7°44'9	29°10'9	5°51'9	7°30'9	2°4'9	4°7'9	8°32'9	27°43'9	27°39'9	22°50'9	10°4'9
F 17	16 12 32	4°6'11	5°Ω49	24°14'9	7°59'9	29°55'9	6°4'9	7°26'9	2°7'9	4°7'9	8°33'9	27°43'9	27°36'9	22°57'9	10°10'9
S 18	16 16 29	5°3'36	18°43'9	25°50'9	8°11'9	0°Υ39	6°18'9	7°22'9	2°9'9	4°6'9	8°34'9	27°42'9	27°33'9	23°3'9	10°16'9
S 19	16 20 25	6°1'00	1°X16	27°22'9	8°21'9	1°23'9	6°31'9	7°19'9	2°11'9	4°5'9	8°35'9	27°D42	27°30'9	23°10'9	10°22'9
M20	16 24 22	6°58'24	13°31'9	28°52'9	8°29'9	2°7'9	6°44'9	7°15'9	2°14'9	4°5'9	8°36'9	27°42'9	27°27'9	23°17'9	10°28'9
T 21	16 28 18	7°55'46	25°33'9	0°Ω19	8°35'9	2°52'9	6°58'9	7°12'9	2°16'9	4°4'9	8°37'9	27°42'9	27°24'9	23°23'9	10°34'9
W22	16 32 15	8°53'09	7°Υ26	1°43'9	8°39'9	3°36'9	7°11'9	7°8'9	2°19'9	4°4'9	8°38'9	27°43'9	27°20'9	23°30'9	10°40'9
T 23	16 36 12	9°50'30	19°15'9	3°4'9	8°R40	4°20'9	7°24'9	7°5'9	2°21'9	4°3'9	8°39'9	27°44'4	27°17'9	23°37'9	10°46'9
F 24	16 40 8	10°47'52	1°X4	4°22'9	8°40'9	5°4'9	7°37'9	7°1'9	2°24'9	4°3'9	8°41'9	27°46'4	27°14'9	23°43'9	10°52'9
S 25	16 44 5	11°45'12	12°57'9	5°37'9	8°36'9	5°48'9	7°50'9	6°58'9	2°27'9	4°2'9	8°42'9	27°47'4	27°11'9	23°50'9	10°58'9
S 26	16 48 1	12°42'32	24°56'9	6°49'9	8°31'9	6°32'9	8°3'9	6°55'9	2°29'9	4°2'9	8°43'9	27°R47	27°8'9	23°57'9	11°4'9
M27	16 51 58	13°39'52	7°11'5	7°57'9	8°23'9	7°16'9	8°16'9	6°52'9	2°32'9	4°2'9	8°44'9	27°47'4	27°4'9	24°3'9	11°11'9
T 28	16 55 54	14°37'10	19°25'9	9°3'9	8°12'9	7°59'9	8°29'9	6°48'9	2°35'9	4°1'9	8°45'9	27°46'4	27°1'9	24°10'9	11°17'9
W29	16 59 51	15°34'29	1°Ω57	10°5'9	8°0'9	8°43'9	8°42'9	6°45'9	2°37'9	4°1'9	8°46'9	27°44'4	26°58'9	24°17'9	11°23'9
T 30	17 3 47	16°31'46	14°43'9	11°3'9	7°44'9	9°27'9	8°55'9	6°42'9	2°40'9	4°1'9	8°47'9	27°42'9	26°55'9	24°23'9	11°29'9
F 31	17 7 44	17°11'29	0°Ω43	11°58'9	7°52'9	10°Υ10	9°8'9	6°M40	2°Ω43	4°1'9	8°Ω49	27°M39	26°M52	24°Υ30	11°Ω36

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	17n27	21n 4	2s14	19n17	0n43	27n17	3n46	6s16	1s38	11n23	1s 1	11s55	2n37	20n28	0n37
T 2	17 43	20 12	3 13	19 59	0 53	27 14	3 44	5 59	1 38	11 28	1 1	11 54	2 37	20 27	0 37
F 3	17 58	18 18	4 3	20 39	1 2	27 12	3 42	5 41	1 39	11 33	1 1	11 52	2 37	20 27	0 36
S 4	18 14	15 27	4 43	21 16	1 11	27 9	3 40	5 24	1 39	11 37	1 1	11 51	2 36	20 26	0 36
S 5	18 28	11 45	5 9	21 52	1 20	27 5	3 37	5 7	1 40	11 42	1 1	11 50	2 36	20 26	0 36
M 6	18 43	7 22	5 18	22 24	1 28	27 2	3 34	4 49	1 40	11 47	1 1	11 48	2 36	20 25	0 36
T 7	18 57	2 29	5 8	22 54	1 36	26 57	3 31	4 32	1 40	11 52	1 1	11 47	2 36	20 25	0 36
W 8	19 11	2s40	4 40	23 22	1 43	26 53	3 27	4 14	1 41	11 56	1 1	11 46	2 36	20 25	0 36
T 9	19 25	7 46	3 53	23 47	1 49	26 48	3 24	3 57	1 41	12 1	1 1	11 45	2 36	20 24	0 36
F 10	19 38	12 30	2 50	24 9	1 54	26 43	3 19	3 40	1 41	12 6	1 1	11 44	2 36	20 24	0 36
S 11	19 51	16 29	1 35	24 29	1 59	26 37	3 15	3 22	1 42	12 10	1 1	11 42	2 36	20 23	0 36
S 12	20 4	19 22	0 13	24 46	2 3	26 31	3 10	3 5	1 42	12 15	1 1	11 41	2 36	20 23	0 36
M13	20 16	20 54	1n 8	25 0	2 6	26 25	3 5	2 47	1 43	12 19	1 1	11 40	2 35	20 22	0 36
T 14	20 28	21 0	2 24	25 12	2 9	26 18	2 59	2 30	1 43	12 24	1 1	11 39	2 35	20 22	0 36
W15	20 40	19 45	3 29	25 22	2 10	26 11	2 53	2 12	1 43	12 28	1 1	11 38	2 35	20 21	0 36
T 16	20 51	17 21	4 20	25 29	2 11	26 4	2 47	1 55	1 43	12 33	1 1	11 37	2 35	20 21	0 36
F 17	21 2	14 7	4 55	25 34	2 12	25 56	2 41	1 37	1 44	12 37	1 1	11 36	2 35	20 20	0 36
S 18	21 12	10 17	5 13	25 37	2 11	25 48	2 33	1 20	1 44	12 42	1 1	11 35	2 35	20 19	0 36
S 19	21 22	6 7	5 17	25 38	2 9	25 40	2 26	1 2	1 44	12 46	1 1	11 33	2 34	20 19	0 36
M20	21 32	1 48	5 5	25 38	2 7	25 32	2 18	0 45	1 45	12 50	1 1	11 32	2 34	20 18	0 36
T 21	21 42	2n31	4 41	25 35	2 4	25 23	2 10	0 28	1 45	12 55	1 1	11 31	2 34	20 18	0 36
W22	21 51	6 42	4 4	25 30	2 1	25 14	2 1	0 10	1 45	12 59	1 1	11 30	2 34	20 17	0 36
T 23	21 59	10 36	3 18	25 24	1 56	25 5	1 52	0n 7	1 45	13 3	1 2	11 30	2 34	20 17	0 36
F 24	22 8	14 6	2 23	25 17	1 51	24 55	1 42	0 24	1 46	13 7	1 2	11 29	2 34	20 16	0 36
S 25	22 16	17 4	1 21	25 8	1 45	24 46	1 32	0 41	1 46	13 12	1 2	11 28	2 33	20 15	0 36
S 26	22 23	19 19	0 16	24 58	1 38	24 36	1 22	0 59	1 46	13 16	1 2	11 27	2 33	20 15	0 36
M27	22 30	20 43	0s51	24 47	1 31	24 25	1 11	1 16	1 46	13 20	1 2	11 26	2 33	20 14	0 36
T 28	22 37	21 9	1 57	24 34	1 23	24 15	0 59	1 33	1 46	13 24	1 2	11 25	2 33	20 13	0 36
W29	22 44	20 32	2 58	24 21	1 14	24 4	0 48	1 50	1 47	13 28	1 2	11 24	2 33	20 13	0 36
T 30	22 49	18 52	3 51	24 7	1 4	23 53	0 36	2 7	1 47	13 32	1 2	11 24	2 32	20 12	0 36
F 31	22n55	16n13	4s33	23n52	0n54	23n41	0n23	2n24	1s47	13n36	1s 2	11s23	2n32	20n11	0n36

Julian Day Number = 2252251.5, Delta T = 250.24 sec
 Ecliptic obliquity = 23°30'32, Nutation = 0°00'14
 Ayanamsha: Fagan/Bradley = 17°07'39, Lahiri = 16°14'39 Julian Calendar 1 May 1454 == Greg. Calendar 10 May 1454

SWISS EPHEMERIS for the year 1454

JUNE 1454 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	17 11 41	18II26'19	10Ω56	12☉50	7°R 7	10Υ54	9♁20	6°R37	2Ω46	4°R 0	8Ω50	27°R36	26M49	24Υ37	11☉42
S 2	17 15 37	19°23'34	24°25	13°37	6☉45	11°37	9°33	6M34	2°49	4♁ 0	8°51	27M34	26°45	24°43	11°48
M 3	17 19 34	20°20'48	8M 7	14°22	6°21	12°21	9°45	6°31	2°52	4° 0	8°53	27°32	26°42	24°50	11°55
T 4	17 23 30	21°18'02	22° 3	15° 2	5°55	13° 4	9°58	6°29	2°55	4° 0	8°54	27°D32	26°39	24°57	12° 1
W 5	17 27 27	22°15'15	6♁12	15°38	5°26	13°47	10°10	6°26	2°58	4° 0	8°55	27°32	26°36	25° 3	12° 8
T 6	17 31 23	23°12'27	20°32	16°10	4°56	14°30	10°22	6°24	3° 1	4°D 0	8°57	27°33	26°33	25°10	12°14
F 7	17 35 20	24° 9'38	5M 1	16°38	4°24	15°13	10°35	6°22	3° 4	4° 0	8°58	27°35	26°30	25°17	12°21
S 8	17 39 16	25° 6'49	19°34	17° 1	3°51	15°56	10°47	6°20	3° 7	4° 0	8°59	27°36	26°26	25°23	12°27
S 9	17 43 13	26° 4'00	4♁ 8	17°20	3°17	16°39	10°59	6°17	3°10	4° 0	9° 1	27°R36	26°23	25°30	12°34
M10	17 47 10	27° 1'10	18°36	17°35	2°41	17°22	11°11	6°15	3°13	4° 0	9° 2	27°35	26°20	25°37	12°40
T 11	17 51 6	27°58'20	2♁53	17°45	2° 5	18° 5	11°23	6°13	3°16	4° 0	9° 4	27°32	26°17	25°43	12°47
W12	17 55 3	28°55'30	16°54	17°50	1°28	18°47	11°34	6°12	3°20	4° 1	9° 5	27°28	26°14	25°50	12°54
T 13	17 58 59	29°52'40	0♁34	17°R51	0°50	19°30	11°46	6°10	3°23	4° 1	9° 7	27°23	26°10	25°57	13° 0
F 14	18 2 56	0☉49'49	13°52	17°47	0°13	20°12	11°58	6° 8	3°26	4° 1	9° 8	27°18	26° 7	26° 3	13° 7
S 15	18 6 52	1°46'59	26°48	17°39	29II35	20°55	12° 9	6° 6	3°29	4° 1	9°10	27°13	26° 4	26°10	13°14
S 16	18 10 49	2°44'09	9♁22	17°26	28°58	21°37	12°21	6° 5	3°33	4° 1	9°11	27°10	26° 1	26°17	13°20
M17	18 14 46	3°41'19	21°39	17° 9	28°21	22°19	12°32	6° 4	3°36	4° 2	9°13	27° 7	25°58	26°23	13°27
T 18	18 18 42	4°38'29	3Υ42	16°47	27°45	23° 1	12°44	6° 2	3°39	4° 2	9°14	27°D 7	25°55	26°30	13°34
W19	18 22 39	5°35'40	15°35	16°22	27°11	23°43	12°55	6° 1	3°43	4° 3	9°16	27° 7	25°51	26°37	13°41
T 20	18 26 35	6°32'51	27°25	15°54	26°37	24°25	13° 6	6° 0	3°46	4° 3	9°17	27° 8	25°48	26°43	13°47
F 21	18 30 32	7°30'02	9♁15	15°22	26° 5	25° 7	13°17	5°59	3°49	4° 3	9°19	27°10	25°45	26°50	13°54
S 22	18 34 28	8°27'14	21°11	14°48	25°35	25°49	13°28	5°58	3°53	4° 4	9°21	27°R11	25°42	26°57	14° 1
S 23	18 38 25	9°24'26	3II17	14°12	25° 6	26°30	13°39	5°57	3°56	4° 4	9°22	27°11	25°39	27° 3	14° 8
M24	18 42 21	10°21'38	15°36	13°34	24°39	27°12	13°50	5°56	4° 0	4° 5	9°24	27° 9	25°36	27°10	14°14
T 25	18 46 18	11°18'51	28°10	12°56	24°14	27°53	14° 0	5°56	4° 3	4° 6	9°25	27° 6	25°32	27°17	14°21
W26	18 50 15	12°16'05	11☉ 1	12°17	23°51	28°35	14°11	5°55	4° 7	4° 6	9°27	27° 0	25°29	27°23	14°28
T 27	18 54 11	13°13'18	24° 9	11°38	23°31	29°16	14°21	5°55	4°10	4° 7	9°29	26°53	25°26	27°30	14°35
F 28	18 58 8	14°10'32	7Ω32	11° 1	23°13	29°57	14°32	5°54	4°14	4° 7	9°30	26°45	25°23	27°37	14°42
S 29	19 2 4	15° 7'46	21°10	10°26	22°57	0♁38	14°42	5°54	4°17	4° 8	9°32	26°38	25°20	27°43	14°48
S 30	19 6 1	16☉ 5'00	4M58	9☉52	22II43	1♁19	14♁52	5M54	4♁21	4♁ 9	9♁34	26M31	25M16	27Υ50	14☉55

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	23n 0	12n42	5s 2	23n36	0n43	23n30	0n11	2n41	1s47	13n40	1s 2	11s22	2n32	20n11	0n36	0s 8	1n36	25n42	7n53	19s41	19s30	12n 7	16n48	6s13
S 2	23 5	8 29	5 14	23 20	0 32	23 18	0s 3	2 58	1 47	13 44	1 2	11 22	2 32	20 10	0 36	0 8	1 36	25 41	7 53	19 40	19 29	12 9	16 48	6 12
M 3	23 9	3 46	5 10	23 4	0 20	23 5	0 16	3 15	1 47	13 48	1 2	11 21	2 32	20 9	0 36	0 8	1 35	25 41	7 53	19 40	19 29	12 10	16 47	6 12
T 4	23 13	1s14	4 47	22 47	0 7	22 53	0 30	3 32	1 47	13 52	1 2	11 20	2 31	20 9	0 36	0 8	1 35	25 40	7 53	19 40	19 28	12 12	16 47	6 12
W 5	23 17	6 14	4 6	22 29	0s 6	22 40	0 43	3 48	1 47	13 56	1 2	11 20	2 31	20 8	0 36	0 8	1 35	25 40	7 53	19 40	19 27	12 14	16 47	6 12
T 6	23 20	10 58	3 10	22 12	0 20	22 28	0 57	4 5	1 47	13 59	1 2	11 19	2 31	20 7	0 36	0 8	1 35	25 39	7 53	19 40	19 26	12 16	16 46	6 12
F 7	23 23	15 8	2 1	21 54	0 34	22 15	1 11	4 21	1 48	14 3	1 2	11 19	2 31	20 7	0 36	0 8	1 35	25 39	7 52	19 41	19 26	12 18	16 46	6 12
S 8	23 25	18 23	0 44	21 37	0 49	22 2	1 26	4 38	1 48	14 7	1 2	11 18	2 30	20 6	0 36	0 8	1 35	25 38	7 52	19 41	19 25	12 19	16 45	6 12
S 9	23 27	20 27	0n36	21 20	1 4	21 48	1 40	4 54	1 48	14 11	1 2	11 18	2 30	20 5	0 36	0 8	1 35	25 38	7 52	19 41	19 24	12 21	16 45	6 11
M10	23 28	21 9	1 53	21 2	1 19	21 35	1 54	5 11	1 48	14 14	1 2	11 17	2 30	20 4	0 36	0 8	1 35	25 38	7 52	19 41	19 23	12 23	16 44	6 11
T 11	23 30	20 27	3 1	20 46	1 35	21 22	2 8	5 27	1 48	14 18	1 3	11 17	2 30	20 4	0 36	0 9	1 35	25 37	7 52	19 40	19 23	12 25	16 44	6 11
W12	23 30	18 30	3 58	20 19	1 51	21 8	2 22	5 43	1 48	14 21	1 3	11 16	2 29	20 3	0 36	0 9	1 35	25 37	7 52	19 39	19 22	12 26	16 43	6 11
T 13	23 31	15 33	4 39	20 13	2 7	20 55	2 36	5 59	1 48	14 25	1 3	11 16	2 29	20 2	0 36	0 9	1 35	25 36	7 52	19 38	19 21	12 28	16 43	6 11
F 14	23 30	11 52	5 4	19 58	2 22	20 42	2 49	6 15	1 48	14 28	1 3	11 16	2 29	20 1	0 36	0 9	1 35	25 36	7 52	19 37	19 20	12 30	16 42	6 11
S 15	23 30	7 44	5 12	19 44	2 38	20 28	3 2	6 31	1 48	14 32	1 3	11 15	2 29	20 1	0 36	0 9	1 35	25 35	7 52	19 36	19 20	12 31	16 42	6 11
S 16	23 29	3 22	5 5	19 30	2 54	20 16	3 15	6 47	1 48	14 35	1 3	11 15	2 29	20 0	0 36	0 9	1 35	25 35	7 52	19 35	19 19	12 33	16 41	6 11
M17	23 27	1n 2	4 44	19 17	3 9	20 3	3 27	7 3	1 48	14 39	1 3	11 15	2 28	19 59	0 36	0 9	1 35	25 34	7 52	19 34	19 18	12 35	16 41	6 11
T 18	23 26	5 18	4 11	19 5	3 23	19 50	3 39	7 19	1 48	14 42	1 3	11 15	2 28	19 58	0 36	0 10	1 35	25 34	7 52	19 34	19 17	12 37	16 40	6 11
W19	23 23	9 20	3 37	18 54	3 37	19 39	3 50	7 34	1 47	14 45	1 3	11 14	2 28	19 57	0 36	0 10	1 35	25 33	7 52	19 34	19 17	12 38	16 39	6 11
T 20	23 21	12 59	2 35	18 45	3 50	19 27	4 1	7 50	1 47	14 49	1 3	11 14	2 27	19 57	0 36	0 10	1 35	25 33	7 52	19 35	19 16	12 40	16 39	6 11
F 21	23 18	16 8	1 36	18 36	4 3	19 16	4 11	8 5	1 47	14 52	1 3	11 14	2 27	19 56	0 36	0 10	1 35	25 32	7 52	19 35	19 15	12 42	16 38	6 11
S 22	23 14	18 38	0 33	18 29	4 14	19 5	4 21	8 20	1 47	14 55	1 3	11 14	2 27	19 55	0 36	0 10	1 35	25 32	7 52	19 35	19 14	12 43	16 38	6 11
S 23	23 10	20 20	0s33	18 23	4 24	18 55	4 30	8 36	1 47	14 58	1 4	11 14	2 27	19 54	0 36	0 11	1 35	25 31	7 51	19 35	19 14	12 45	16 37	6 11
M24	23 6	21 6	1 38	18 18	4 32	18 46	4 39	8 51	1 47	15 1	1 4	11 14	2 26	19 53	0 36	0 11	1 34	25 31	7 51	19 35	19 13	12 47	16 36	6 11
T 25	23 1	20 50	2 40	18 15	4 39	18 37	4 46	9 6	1 47	15 5	1 4	11 14	2 26	19 52	0 36	0 11	1 34	25 30	7 51	19 34	19 12	12 49	16 35	6 11
W26	22 56	19 29	3 35	18 13	4 45	18 28	4 54	9 20	1 47	15 8	1 4	11 14	2 26	19 52	0 36	0 12	1 34	25 30	7 51	19 33	19 11	12 50	16 35	6 11
T 27	22 51	17 5	4 19	18 12	4 49	18 21	5 0	9 35	1 46	15 11	1 4	11 14	2 26	19 51	0 36	0 12	1 34	25 29	7 51	19 31	19 11	12 52	16 34	6 11
F 28	22 45	13 45	4 51	18 13	4 51	18 14	5 6	9 50	1 46	15 14	1 4	11 14	2 25	19 50	0 36	0 12	1 34	25 29	7 51	19 29	19 10	12 54	16 33	6 11
S 29	22 39	9 39	5 6	18 15	4 51	18 8	5 12	10 4	1 46	15 16	1 4	11 15	2 25	19 49	0 36	0 12	1 34	25 28	7 51	19 28	19 9	12 55	16 33</	

SWISS EPHEMERIS for the year 1454

JULY 1454 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	19 9 57	17°21'4	18°55'	9°R22	22°R32	1°59'	15°2	5°D54	4°Ω24	4°Ω10	9°Ω36	26°R26	25°M13	27°Y57	15°Ω2
T 2	19 13 54	17°59'28	2°Ω58	8°Ω56	22°II23	2°40'	15°12	5°M54	4°28'	4°10'	9°37'	26°M23	25°10'	28°3	15°9
W 3	19 17 50	18°56'43	17°5	8°34'	22°16'	3°20'	15°22'	5°54'	4°32'	4°11'	9°39'	26°D22	25°7	28°10	15°16
T 4	19 21 47	19°53'58	1°M15	8°16'	22°12'	4°1	15°32'	5°54'	4°35'	4°12'	9°41'	26°22'	25°4	28°17	15°22
F 5	19 25 44	20°51'13	15°26'	8°3	22°D10	4°41'	15°41'	5°54'	4°39'	4°13'	9°42'	26°23'	25°1	28°23	15°29
S 6	19 29 40	21°48'29	29°37'	7°55'	22°11'	5°21'	15°51'	5°55'	4°42'	4°14'	9°44'	26°R24	24°57'	28°30	15°36
S 7	19 33 37	22°45'44	13°A45	7°D53	22°13'	6°1	16°0	5°55'	4°46'	4°15'	9°46'	26°22'	24°54	28°37	15°43
M 8	19 37 33	23°43'01	27°48'	7°56'	22°18'	6°41'	16°9	5°56'	4°50'	4°16'	9°48'	26°19'	24°51	28°43	15°50
T 9	19 41 30	24°40'18	11°Ω42	8°6	22°26'	7°20'	16°18'	5°57'	4°53'	4°17'	9°50'	26°13'	24°48	28°50	15°56
W10	19 45 26	25°37'35	25°24'	8°21'	22°35'	8°0	16°27'	5°57'	4°57'	4°18'	9°51'	26°5	24°45	28°57	16°3
T 11	19 49 23	26°34'53	8°Ω51	8°42'	22°46'	8°39'	16°36'	5°58'	5°1	4°19'	9°53'	25°55'	24°42	29°3	16°10
F 12	19 53 19	27°32'12	21°59'	9°10'	23°0	9°19'	16°45'	5°59'	5°4	4°20'	9°55'	25°45'	24°38	29°10	16°17
S 13	19 57 16	28°29'32	4°A49	9°44'	23°15'	9°58'	16°54'	6°0	5°8	4°21'	9°57'	25°35'	24°35	29°17	16°23
S 14	20 1 13	29°26'53	17°20'	10°23'	23°33'	10°37'	17°2	6°1	5°12	4°22'	9°59'	25°27'	24°32	29°23	16°30
M15	20 5 9	0°Ω24'15	29°36'	11°9	23°52'	11°16'	17°10'	6°3	5°15	4°24'	10°0	25°20'	24°29	29°30	16°37
T 16	20 9 6	1°21'38	11°Y38	12°1	24°13'	11°54'	17°19'	6°4	5°19	4°25'	10°2	25°16'	24°26	29°37	16°43
W17	20 13 2	2°19'02	23°31'	12°58'	24°36'	12°33'	17°27'	6°6	5°23	4°26'	10°4	25°14'	24°22	29°43	16°50
T 18	20 16 59	3°16'28	5°Ω20	14°2	25°1	13°11'	17°35'	6°7	5°27	4°27'	10°6	25°D14	24°19	29°50	16°57
F 19	20 20 55	4°13'54	17°11'	15°10'	25°27'	13°50'	17°42'	6°9	5°30	4°28'	10°8	25°14'	24°16	29°57	17°4
S 20	20 24 52	5°11'22	29°8	16°25'	25°55'	14°28'	17°50'	6°11	5°34	4°30'	10°10	25°R14	24°13	0°Ω3	17°10
S 21	20 28 48	6°8'52	11°II17	17°45'	26°24'	15°6	17°57'	6°12	5°38	4°31'	10°11	25°13'	24°10	0°10	17°17
M22	20 32 45	7°6'22	23°43'	19°9	26°55'	15°43'	18°5	6°14	5°41	4°33'	10°13	25°10'	24°7	0°17	17°23
T 23	20 36 42	8°3'54	6°Ω28	20°39'	27°27'	16°21'	18°12'	6°16	5°45	4°34'	10°15	25°4	24°3	0°23	17°30
W24	20 40 38	9°1'28	19°35'	22°13'	28°0	16°58'	18°19'	6°18	5°49	4°35'	10°17	24°56'	24°0	0°30	17°37
T 25	20 44 35	9°59'02	3°Ω3	23°51'	28°35'	17°35'	18°26'	6°21	5°53	4°37'	10°19	24°46'	23°57	0°37	17°43
F 26	20 48 31	10°56'38	16°51'	25°34'	29°11'	18°12'	18°33'	6°23	5°56	4°38'	10°21	24°34'	23°54	0°43	17°50
S 27	20 52 28	11°54'14	0°M54	27°19'	29°48'	18°49'	18°39'	6°25	6°0	4°40'	10°22	24°23'	23°51	0°50	17°56
S 28	20 56 24	12°51'52	15°8	29°8	0°Ω27	19°26'	18°46'	6°28	6°4	4°41'	10°24	24°13'	23°47	0°57	18°3
M29	21 0 21	13°49'31	29°28	1°Ω0	1°6	20°2	18°52'	6°30	6°7	4°43	10°26	24°5	23°44	1°3	18°9
T 30	21 4 17	14°47'11	13°Ω48	2°54	1°47	20°39'	18°58'	6°33	6°11	4°44	10°28	24°0	23°41	1°10	18°15
W31	21 8 14	15°Ω44'52	28°Ω4	4°Ω51	2°Ω28	21°Ω15	19°Ω4	6°M36	6°Ω15	4°Ω46	10°Ω30	23°M57	23°M38	1°Ω16	18°Ω22

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	22n25	0n 2	4s44	18n24	4s48	17n57	5s21	10n33	1s46	15n22	1s 4	11s15	2n25	19n47	0n36	0s13	1n34	25n27	7n51	19s25	19s 7	12n59	16n31	6s11
T 2	22 18	4s58	4 7	18 30	4 43	17 53	5 25	10 47	1 45	15 25	1 4	11 15	2 24	19 47	0 36	0 13	1 34	25 27	7 51	19 24	19 7	13 0	16 30	6 11
W 3	22 10	9 44	3 15	18 37	4 38	17 49	5 28	11 1	1 45	15 28	1 5	11 16	2 24	19 46	0 36	0 14	1 34	25 26	7 51	19 24	19 6	13 2	16 29	6 11
T 4	22 2	13 59	2 11	18 45	4 30	17 46	5 31	11 15	1 45	15 30	1 5	11 16	2 24	19 45	0 36	0 14	1 34	25 26	7 51	19 24	19 5	13 4	16 29	6 11
F 5	21 53	17 27	0 59	18 54	4 22	17 44	5 33	11 29	1 45	15 33	1 5	11 16	2 24	19 44	0 36	0 15	1 34	25 25	7 51	19 24	19 4	13 5	16 28	6 11
S 6	21 44	19 51	0n17	19 4	4 12	17 42	5 35	11 42	1 44	15 36	1 5	11 17	2 23	19 43	0 36	0 15	1 34	25 25	7 51	19 24	19 4	13 7	16 27	6 11
S 7	21 35	21 0	1 32	19 15	4 1	17 41	5 36	11 56	1 44	15 38	1 5	11 17	2 23	19 42	0 36	0 15	1 34	25 24	7 51	19 24	19 3	13 9	16 26	6 11
M 8	21 25	20 49	2 40	19 27	3 50	17 40	5 37	12 9	1 44	15 41	1 5	11 17	2 23	19 41	0 36	0 16	1 34	25 24	7 51	19 23	19 2	13 10	16 25	6 11
T 9	21 15	19 22	3 38	19 39	3 37	17 40	5 38	12 22	1 43	15 43	1 5	11 18	2 22	19 40	0 36	0 16	1 34	25 23	7 51	19 22	19 1	13 12	16 24	6 11
W10	21 5	16 49	4 22	19 51	3 24	17 41	5 38	12 35	1 43	15 46	1 5	11 18	2 22	19 40	0 36	0 17	1 34	25 23	7 51	19 20	19 1	13 14	16 23	6 12
T 11	20 54	13 25	4 51	20 4	3 10	17 41	5 38	12 48	1 43	15 48	1 5	11 19	2 22	19 39	0 36	0 17	1 34	25 22	7 51	19 18	19 0	13 15	16 23	6 12
F 12	20 43	9 26	5 3	20 16	2 56	17 43	5 37	13 1	1 42	15 51	1 6	11 20	2 22	19 38	0 36	0 18	1 34	25 22	7 51	19 15	18 59	13 17	16 22	6 12
S 13	20 31	5 7	5 0	20 29	2 41	17 44	5 36	13 14	1 42	15 53	1 6	11 20	2 21	19 37	0 36	0 18	1 34	25 22	7 51	19 13	18 58	13 19	16 21	6 12
S 14	20 20	0 41	4 42	20 41	2 26	17 46	5 35	13 27	1 42	15 55	1 6	11 21	2 21	19 36	0 36	0 19	1 34	25 21	7 51	19 11	18 57	13 20	16 20	6 12
M15	20 7	3n41	4 12	20 52	2 10	17 49	5 33	13 39	1 41	15 57	1 6	11 22	2 21	19 35	0 36	0 19	1 34	25 21	7 51	19 9	18 57	13 22	16 19	6 12
T 16	19 55	7 50	3 31	21 3	1 55	17 52	5 32	13 51	1 41	16 0	1 6	11 22	2 21	19 34	0 36	0 20	1 34	25 20	7 51	19 8	18 56	13 23	16 18	6 12
W17	19 42	11 39	2 41	21 13	1 39	17 55	5 30	14 3	1 40	16 2	1 6	11 23	2 20	19 33	0 36	0 20	1 33	25 20	7 52	19 8	18 55	13 25	16 17	6 13
T 18	19 29	14 58	1 44	21 22	1 24	17 58	5 27	14 15	1 40	16 4	1 6	11 24	2 20	19 32	0 36	0 21	1 33	25 19	7 52	19 8	18 54	13 27	16 16	6 13
F 19	19 15	17 42	0 43	21 30	1 9	18 1	5 25	14 27	1 39	16 6	1 6	11 25	2 20	19 31	0 36	0 21	1 33	25 19	7 52	19 8	18 54	13 28	16 15	6 13
S 20	19 2	19 41	0s21	21 36	0 54	18 5	5 22	14 39	1 39	16 8	1 7	11 25	2 20	19 31	0 36	0 22	1 33	25 18	7 52	19 8	18 53	13 30	16 14	6 13
S 21	18 47	20 48	1 24	21 41	0 39	18 9	5 19	14 51	1 38	16 10	1 7	11 26	2 19	19 30	0 36	0 22	1 33	25 18	7 52	19 7	18 52	13 31	16 13	6 13
M22	18 33	20 56	2 25	21 43	0 25	18 12	5 16	15 2	1 38	16 12	1 7	11 27	2 19	19 29	0 36	0 23	1 33	25 17	7 52	19 7	18 51	13 33	16 12	6 14
T 23	18 18	20 1	3 20	21 44	0 11	18 16	5 13	15 13	1 37	16 14	1 7	11 28	2 19	19 28	0 36	0 24	1 33	25 17	7 52	19 5	18 50	13 35	16 11	6 14
W24	18 3	18 0	4 7	21 42	0n 2	18 21	5 9	15 24	1 37	16 15	1 7	11 29	2 18	19 27	0 36	0 24	1 33	25 16	7 52	19 3	18 50	13 36	16 10	6 14
T 25	17 48	14 59	4 40	21 38	0 14	18 25	5 5	15 35	1 36	16 17	1 7	11 30	2 18	19 26	0 36	0 25	1 33	25 16	7 52	19 1	18 49	13 38	16 9	6 14
F 26	17 32	11 5	4 59	21 31	0 26	18 29	5 2	15 46	1 36	16 19	1 7	11 31	2 18	19 25	0 36	0 25	1 33	25 15	7 52	18 58	18 48	13 39	16 8	6 14
S 27	17 16	6 31	4 59	21 22	0 38	18 33	4 58	15 57	1 35	16 21	1 8	11 32	2 18	19 24	0 36	0 26	1 33	25 15	7 52	18 55	18 47	13 41	16 7	6 15
S 28	17 0	1 32	4 42	21 10	0 48	18 37	4 54	16 7	1 35	16 22	1 8	11 33	2 17	19 23	0 36	0 27	1 33	25 15	7 52	18 53	18 46	13 43	16 6	6 15
M29	16 43																							

SWISS EPHEMERIS for the year 1454

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	21 12 11	16♌42'34	12♌15	6♌49	3♌11	21♌50	19♌10	6♌39	6♌18	4♌48	10♌32	23°R56	23♌35	1♌23	18♌28
F 2	21 16 7	17°40'17	26°19	8°48	3°55	22°26	19°16	6°42	6°22	4°49	10°33	23♌56	23°32	1°30	18°34
S 3	21 20 4	18°38'02	10♌14	10°47	4°39	23° 1	19°21	6°45	6°26	4°51	10°35	23°56	23°28	1°36	18°41
S 4	21 24 0	19°35'47	24° 2	12°48	5°25	23°37	19°26	6°48	6°29	4°53	10°37	23°53	23°25	1°43	18°47
M 5	21 27 57	20°33'34	7♌41	14°49	6°11	24°12	19°32	6°51	6°33	4°54	10°39	23°48	23°22	1°50	18°53
T 6	21 31 53	21°31'22	21°11	16°49	6°58	24°46	19°36	6°54	6°37	4°56	10°41	23°41	23°19	1°56	18°59
W 7	21 35 50	22°29'11	4♌30	18°50	7°46	25°21	19°41	6°58	6°40	4°58	10°43	23°30	23°16	2° 3	19° 5
T 8	21 39 46	23°27'02	17°36	20°50	8°34	25°55	19°46	7° 1	6°44	4°59	10°44	23°18	23°13	2°10	19°12
F 9	21 43 43	24°24'54	0♌28	22°49	9°24	26°29	19°50	7° 5	6°47	5° 1	10°46	23° 5	23° 9	2°16	19°18
S 10	21 47 40	25°22'47	13° 6	24°47	10°14	27° 3	19°55	7° 8	6°51	5° 3	10°48	22°52	23° 6	2°23	19°24
S 11	21 51 36	26°20'42	25°29	26°45	11° 5	27°37	19°59	7°12	6°55	5° 5	10°50	22°41	23° 3	2°30	19°30
M12	21 55 33	27°18'39	7♌39	28°42	11°56	28°10	20° 3	7°16	6°58	5° 7	10°52	22°32	23° 0	2°36	19°36
T 13	21 59 29	28°16'38	19°37	0♌37	12°49	28°43	20° 6	7°20	7° 2	5° 9	10°53	22°26	22°57	2°43	19°41
W14	22 3 26	29°14'39	1♌28	2°32	13°41	29°16	20°10	7°23	7° 5	5°10	10°55	22°23	22°53	2°50	19°47
T 15	22 7 22	0♌12'41	13°16	4°25	14°35	29°49	20°13	7°27	7° 9	5°12	10°57	22°21	22°50	2°56	19°53
F 16	22 11 19	1°10'46	25° 6	6°17	15°29	0♌21	20°16	7°32	7°12	5°14	10°59	22°21	22°47	3° 3	19°59
S 17	22 15 15	2° 8'52	7♌ 2	8° 8	16°24	0°53	20°19	7°36	7°16	5°16	11° 0	22°21	22°44	3°10	20° 5
S 18	22 19 12	3° 7'01	19°12	9°58	17°19	1°25	20°22	7°40	7°19	5°18	11° 2	22°20	22°41	3°16	20°10
M19	22 23 9	4° 5'11	1♌39	11°47	18°15	1°57	20°25	7°44	7°22	5°20	11° 4	22°17	22°38	3°23	20°16
T 20	22 27 5	5° 3'24	14°28	13°34	19°11	2°28	20°27	7°49	7°26	5°22	11° 6	22°12	22°34	3°30	20°22
W21	22 31 2	6° 1'39	27°42	15°20	20° 8	2°59	20°29	7°53	7°29	5°24	11° 7	22° 5	22°31	3°36	20°27
T 22	22 34 58	6°59'55	11♌23	17° 5	21° 5	3°30	20°31	7°58	7°33	5°26	11° 9	21°55	22°28	3°43	20°33
F 23	22 38 55	7°58'13	25°28	18°49	22° 2	4° 0	20°33	8° 2	7°36	5°28	11°11	21°44	22°25	3°50	20°38
S 24	22 42 51	8°56'34	9♌53	20°32	23° 1	4°30	20°35	8° 7	7°39	5°30	11°12	21°33	22°22	3°56	20°43
S 25	22 46 48	9°54'56	24°32	22°13	23°59	5° 0	20°36	8°12	7°42	5°32	11°14	21°23	22°19	4° 3	20°49
M26	22 50 44	10°53'20	9♌16	23°54	24°58	5°29	20°38	8°16	7°46	5°34	11°16	21°15	22°15	4° 9	20°54
T 27	22 54 41	11°51'45	23°59	25°33	25°58	5°58	20°39	8°21	7°49	5°36	11°17	21°10	22°12	4°16	20°59
W28	22 58 37	12°50'12	8♌34	27°11	26°58	6°27	20°39	8°26	7°52	5°38	11°19	21° 7	22° 9	4°23	21° 4
T 29	23 2 34	13°48'41	22°57	28°48	27°58	6°55	20°40	8°31	7°55	5°40	11°20	21°D 7	22° 6	4°29	21° 9
F 30	23 6 31	14°47'12	7♌ 5	0♌25	28°58	7°23	20°40	8°36	7°59	5°43	11°22	21° 7	22° 3	4°36	21°14
S 31	23 10 27	15°45'44	20♌57	2♌ 0	29♌59	7♌51	20♌41	8♌42	8♌ 2	5♌45	11♌24	21°R 7	21♌59	4♌43	21♌19

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	15n52	16s32	1s 1	19n56	1n21	18n52	4s36	16n48	1s32	16n28	1s 8	11s38	2n16	19n20	0n36
F 2	15 35 19	11 0n13	19 31	1 27	18 56	4 31	16 58	1 31	16 30	1 8	11 39	2 16	19 19	0 36	0 30
S 3	15 17 20	39 1 25	19 3	1 32	18 59	4 27	17 7	1 31	16 31	1 9	11 40	2 16	19 18	0 36	0 31
S 4	14 59 20	51 2 32	18 34	1 37	19 2	4 22	17 17	1 30	16 32	1 9	11 41	2 16	19 17	0 36	0 31
M 5	14 41 19	48 3 29	18 2	1 40	19 5	4 17	17 26	1 29	16 34	1 9	11 42	2 15	19 16	0 36	0 32
T 6	14 22 17	39 4 14	17 28	1 43	19 8	4 12	17 35	1 28	16 35	1 9	11 44	2 15	19 15	0 36	0 33
W 7	14 3 14	35 4 44	16 53	1 45	19 10	4 7	17 44	1 28	16 36	1 9	11 45	2 15	19 14	0 36	0 33
T 8	13 45 10	51 4 59	16 16	1 46	19 13	4 2	17 53	1 27	16 37	1 9	11 46	2 15	19 13	0 36	0 34
F 9	13 25 6	41 4 58	15 37	1 46	19 15	3 56	18 2	1 26	16 38	1 9	11 48	2 14	19 12	0 36	0 35
S 10	13 6 2	19 4 42	14 58	1 46	19 16	3 51	18 10	1 25	16 39	1 10	11 49	2 14	19 12	0 36	0 36
S 11	12 46 2n	4 4 13	14 17	1 45	19 16	3 46	18 19	1 25	16 40	1 10	11 51	2 14	19 11	0 36	0 36
M12	12 26 6	18 3 33	13 35	1 44	19 18	3 41	18 27	1 24	16 41	1 10	11 52	2 14	19 10	0 36	0 37
T 13	12 6 10	14 2 44	12 52	1 42	19 19	3 35	18 35	1 23	16 42	1 10	11 54	2 14	19 9	0 36	0 38
W14	11 46 13	43 1 48	12 9	1 39	19 19	3 30	18 43	1 22	16 43	1 10	11 55	2 13	19 8	0 36	0 39
T 15	11 26 16	38 0 48	11 24	1 36	19 19	3 24	18 51	1 21	16 43	1 10	11 57	2 13	19 7	0 36	0 39
F 16	11 5 18	52 0s15	10 40	1 33	19 19	3 19	18 59	1 20	16 44	1 10	11 58	2 13	19 6	0 36	0 40
S 17	10 44 20	17 1 17	9 55	1 29	19 18	3 13	19 6	1 19	16 45	1 11	12 0	2 13	19 5	0 36	0 41
S 18	10 23 20	47 2 17	9 9	1 24	19 17	3 8	19 14	1 18	16 45	1 11	12 1	2 12	19 5	0 36	0 42
M19	10 2 20	17 3 13	8 23	1 20	19 15	3 2	19 21	1 17	16 46	1 11	12 3	2 12	19 4	0 36	0 43
T 20	9 41 18	45 4 0	7 37	1 15	19 13	2 57	19 28	1 16	16 46	1 11	12 4	2 12	19 3	0 36	0 43
W21	9 20 16	11 4 35	6 51	1 9	19 10	2 51	19 35	1 15	16 47	1 11	12 6	2 12	19 2	0 36	0 44
T 22	8 58 12	39 4 57	6 5	1 4	19 7	2 46	19 42	1 14	16 47	1 11	12 8	2 12	19 1	0 36	0 45
F 23	8 36 8	20 5 1	5 19	0 58	19 4	2 40	19 48	1 13	16 47	1 12	12 9	2 11	19 0	0 36	0 46
S 24	8 14 3	27 4 47	4 33	0 52	19 0	2 35	19 55	1 12	16 48	1 12	12 11	2 11	18 59	0 36	0 47
S 25	7 52 1s42	4 14 3 47	0 45	18 56	2 29	20 1	1 11	16 48	1 12	12 13	2 11	18 59	0 36	0 48	1 32
M26	7 30 6	48 3 23	3 1	0 39	18 51	2 23	20 8	1 10	16 48	1 12	12 15	2 11	18 58	0 36	0 48
T 27	7 8 11	29 2 19	2 16	0 32	18 45	2 18	20 14	1 9	16 48	1 12	12 16	2 11	18 57	0 36	0 49
W28	6 46 15	27 1 6	1 30	0 25	18 40	2 12	20 20	1 8	16 48	1 12	12 18	2 10	18 56	0 36	0 50
T 29	6 23 18	24 0n10	0 45	0 18	18 33	2 7	20 26	1 7	16 48	1 12	12 20	2 10	18 55	0 36	0 51
F 30	6 1 20	10 1 24	0 0	0 11	18 27	2 1	20 32	1 6	16 48	1 13	12 22	2 10	18 55	0 36	0 52
S 31	5n38	20s40	2n32	0s44	0n 4	18n19	1s56	20n37	1s 4	16n48	1s13	12s23	2n10	18n54	0n36

Julian Day Number = 2252343.5, Delta T = 249.94 sec

Ecliptic obliquity = 23°30'31", Nutation = 0°00'15"

Ayanamsha: Fagan/Bradley = 17°07'52", Lahiri = 16°14'52" Julian Calendar 1 Aug. 1454 == Greg. Calendar 10 Aug. 1454

SWISS EPHEMERIS for the year 1454

SEPTEMBER 1454 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	23 14 24	16 ^m 44'18	4 ^h 35	3 ^h 33	1 ^h 1	8 ^h 18	20°R41	8 ^m 47	8 ^h 5	5 ^h 47	11 ^h 25	21°R 6	21 ^m 56	4 ^h 49	21 ^h 24
M 2	23 18 20	17°42'54	17°58	5° 6	2° 2	8°45	20 ^h 841	8°52	8° 8	5°49	11°27	21 ^m 2	21°53	4°56	21°29
T 3	23 22 17	18°41'31	1 ^h 8	6°38	3° 4	9°12	20°40	8°57	8°11	5°51	11°28	20°56	21°50	5° 3	21°34
W 4	23 26 13	19°40'10	14° 6	8° 9	4° 7	9°38	20°40	9° 3	8°14	5°53	11°30	20°48	21°47	5° 9	21°39
T 5	23 30 10	20°38'51	26°51	9°39	5° 9	10° 3	20°39	9° 8	8°17	5°55	11°31	20°37	21°44	5°16	21°43
F 6	23 34 6	21°37'33	9 ^h 25	11° 8	6°12	10°29	20°38	9°14	8°20	5°58	11°33	20°27	21°40	5°23	21°48
S 7	23 38 3	22°36'18	21°47	12°36	7°16	10°54	20°37	9°19	8°23	6° 0	11°34	20°16	21°37	5°29	21°52
S 8	23 42 0	23°35'04	3 ^h 59	14° 2	8°19	11°18	20°35	9°25	8°26	6° 2	11°36	20° 7	21°34	5°36	21°57
M 9	23 45 56	24°33'53	16° 0	15°28	9°23	11°42	20°34	9°31	8°29	6° 4	11°37	19°59	21°31	5°43	22° 1
T 10	23 49 53	25°32'44	27°54	16°53	10°27	12° 6	20°32	9°36	8°31	6° 6	11°39	19°54	21°28	5°49	22° 6
W 11	23 53 49	26°31'37	9 ^h 43	18°16	11°32	12°29	20°30	9°42	8°34	6° 9	11°40	19°52	21°24	5°56	22°10
T 12	23 57 46	27°30'32	21°29	19°38	12°37	12°52	20°28	9°48	8°37	6°11	11°41	19°D51	21°21	6° 3	22°14
F 13	0 1 42	28°29'30	3 ^h 17	21° 0	13°42	13°14	20°26	9°54	8°40	6°13	11°43	19°52	21°18	6° 9	22°18
S 14	0 5 39	29°28'29	15°13	22°20	14°47	13°36	20°23	10° 0	8°42	6°15	11°44	19°53	21°15	6°16	22°22
S 15	0 9 35	0 ^h 27'32	27°20	23°38	15°53	13°57	20°20	10° 6	8°45	6°17	11°45	19°R54	21°12	6°22	22°26
M 16	0 13 32	1°26'36	9 ^h 45	24°56	16°58	14°18	20°17	10°12	8°47	6°20	11°47	19°54	21° 9	6°29	22°30
T 17	0 17 29	2°25'43	22°32	26°12	18° 5	14°38	20°14	10°18	8°50	6°22	11°48	19°52	21° 5	6°36	22°34
W 18	0 21 25	3°24'52	5 ^h 45	27°27	19°11	14°58	20°11	10°24	8°53	6°24	11°49	19°48	21° 2	6°42	22°37
T 19	0 25 22	4°24'04	19°26	28°40	20°17	15°17	20° 7	10°30	8°55	6°26	11°51	19°42	20°59	6°49	22°41
F 20	0 29 18	5°23'17	3 ^h 35	29°51	21°24	15°36	20° 4	10°36	8°57	6°29	11°52	19°35	20°56	6°56	22°45
S 21	0 33 15	6°22'33	18° 9	1 ^h 1	22°31	15°54	20° 0	10°43	9° 0	6°31	11°53	19°28	20°53	7° 2	22°48
S 22	0 37 11	7°21'51	3 ^h 2	2° 9	23°38	16°11	19°56	10°49	9° 2	6°33	11°54	19°22	20°50	7° 9	22°52
M 23	0 41 8	8°20'11	18° 5	3°14	24°46	16°28	19°51	10°55	9° 5	6°35	11°55	19°17	20°46	7°16	22°55
T 24	0 45 4	9°20'34	3 ^h 10	4°18	25°53	16°45	19°47	11° 2	9° 7	6°38	11°56	19°14	20°43	7°22	22°58
W 25	0 49 1	10°19'58	18° 6	5°19	27° 1	17° 0	19°42	11° 8	9° 9	6°40	11°58	19°D13	20°40	7°29	23° 1
T 26	0 52 57	11°19'24	2 ^h 48	6°17	28° 9	17°15	19°37	11°15	9°11	6°42	11°59	19°14	20°37	7°36	23° 4
F 27	0 56 54	12°18'52	17°11	7°13	29°17	17°30	19°32	11°21	9°13	6°44	12° 0	19°15	20°34	7°42	23° 7
S 28	1 0 51	13°18'22	1 ^h 11	8° 5	0 ^h 25	17°44	19°27	11°28	9°16	6°46	12° 1	19°16	20°30	7°49	23°10
S 29	1 4 47	14°17'53	14°50	8°54	1°34	17°57	19°22	11°34	9°18	6°49	12° 2	19°R17	20°27	7°56	23°13
M 30	1 8 44	15°17'27	28 ^h 8	9 ^h 39	2 ^h 43	18 ^h 9	19 ^h 16	11 ^h 41	9 ^h 20	6 ^h 51	12 ^h 3	19 ^h 16	20 ^h 24	8 ^h 2	23 ^h 16

Day	☉		☽		♀		♂		♃		♄		♅		♆		♇		♁		♂			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
S 1	5n15	19s56	3n30	1s28	0s 4	18n12	1s50	20n43	1s 3	16n48	1s13	12s25	2n10	18n53	0n36	0s53	1n32	25n 2	7n57	18s 5	18s18	14n36	15n24	6s29
M 2	4 52	18 5	4 16	2 12	0 11	18 4	1 45	20 48	1 2	16 48	1 13	12 27	2 9	18 52	0 36	0 54	1 32	25 2	7 57	18 4	18 17	14 37	15 23	6 29
T 3	4 29	15 18	4 46	2 56	0 18	17 55	1 39	20 54	1 1	16 48	1 13	12 29	2 9	18 51	0 36	0 55	1 32	25 1	7 58	18 3	18 17	14 39	15 21	6 30
W 4	4 6	11 49	5 2	3 38	0 26	17 46	1 34	20 59	0 59	16 47	1 13	12 31	2 9	18 51	0 36	0 56	1 32	25 1	7 58	18 0	18 16	14 40	15 20	6 30
T 5	3 43	7 51	5 2	4 21	0 34	17 36	1 29	21 4	0 58	16 47	1 13	12 33	2 9	18 50	0 36	0 57	1 32	25 1	7 58	17 58	18 15	14 42	15 19	6 31
F 6	3 20	3 37	4 48	5 3	0 41	17 26	1 23	21 9	0 57	16 47	1 14	12 35	2 9	18 49	0 36	0 58	1 32	25 1	7 58	17 55	18 14	14 43	15 18	6 32
S 7	2 57	0n43	4 20	5 44	0 49	17 15	1 18	21 14	0 55	16 46	1 14	12 37	2 8	18 48	0 36	0 59	1 32	25 0	7 58	17 52	18 13	14 44	15 16	6 32
S 8	2 33	4 57	3 41	6 25	0 56	17 4	1 13	21 19	0 54	16 46	1 14	12 39	2 8	18 48	0 36	1 0	1 32	25 0	7 59	17 49	18 12	14 46	15 15	6 33
M 9	2 10	8 57	2 51	7 5	1 4	16 52	1 8	21 23	0 52	16 45	1 14	12 41	2 8	18 47	0 37	1 0	1 32	25 0	7 59	17 47	18 12	14 47	15 14	6 33
T 10	1 47	12 33	1 55	7 45	1 12	16 40	1 2	21 28	0 51	16 45	1 14	12 42	2 8	18 46	0 37	1 1	1 32	25 0	7 59	17 46	18 11	14 49	15 13	6 34
W 11	1 23	15 37	0 54	8 24	1 19	16 27	0 57	21 32	0 50	16 44	1 14	12 44	2 8	18 46	0 37	1 2	1 32	25 0	7 59	17 45	18 10	14 50	15 11	6 34
T 12	1 0	18 3	0s 9	9 2	1 27	16 14	0 52	21 37	0 48	16 43	1 14	12 46	2 8	18 45	0 37	1 3	1 32	24 59	7 59	17 45	18 9	14 52	15 10	6 35
F 13	0 36	19 42	1 12	9 40	1 34	16 1	0 47	21 41	0 47	16 43	1 14	12 48	2 7	18 44	0 37	1 4	1 32	24 59	8 0	17 45	18 8	14 53	15 9	6 36
S 14	0 13	20 29	2 13	10 17	1 41	15 46	0 42	21 45	0 45	16 42	1 15	12 50	2 7	18 44	0 37	1 5	1 32	24 59	8 0	17 46	18 7	14 54	15 8	6 36
S 15	0s11	20 20	3 9	10 53	1 48	15 32	0 37	21 49	0 43	16 41	1 15	12 52	2 7	18 43	0 37	1 6	1 32	24 59	8 0	17 46	18 7	14 56	15 6	6 37
M 16	0 35	19 13	3 57	11 28	1 56	15 17	0 32	21 53	0 42	16 40	1 15	12 55	2 7	18 42	0 37	1 7	1 32	24 59	8 0	17 46	18 6	14 57	15 5	6 37
T 17	0 58	17 6	4 35	12 3	2 2	15 1	0 27	21 57	0 40	16 39	1 15	12 57	2 7	18 42	0 37	1 7	1 32	24 59	8 1	17 45	18 5	14 59	15 4	6 38
W 18	1 22	14 2	5 0	12 36	2 9	14 45	0 23	22 1	0 39	16 38	1 15	12 59	2 7	18 41	0 37	1 8	1 32	24 58	8 1	17 44	18 4	15 0	15 3	6 39
T 19	1 45	10 8	5 9	13 9	2 16	14 29	0 18	22 5	0 37	16 37	1 15	13 1	2 7	18 40	0 37	1 9	1 32	24 58	8 1	17 43	18 3	15 1	15 2	6 39
F 20	2 9	5 33	5 0	13 40	2 22	14 12	0 13	22 9	0 35	16 36	1 15	13 3	2 6	18 40	0 37	1 10	1 32	24 58	8 1	17 41	18 2	15 3	15 0	6 40
S 21	2 32	0 32	4 32	14 11	2 28	13 55	0 9	22 12	0 33	16 35	1 15	13 5	2 6	18 39	0 37	1 11	1 32	24 58	8 2	17 39	18 2	15 4	14 59	6 41
S 22	2 56	4s38	3 45	14 40	2 34	13 37	0 4	22 16	0 32	16 34	1 15	13 7	2 6	18 39	0 37	1 12	1 32	24 58	8 2	17 37	18 1	15 5	14 58	6 41
M 23	3 19	9 36	2 41	15 8	2 40	13 19	0n 0	22 19	0 30	16 32	1 16	13 9	2 6	18 38	0 37	1 13	1 32	24 58	8 2	17 36	18 0	15 7	14 57	6 42
T 24	3 43	13 57	1 26	15 35	2 45	13 0	0 5	22 23	0 28	16 31	1 16	13 11	2 6	18 37	0 37	1 14	1 32	24 58	8 2	17 35	17 59	15 8	14 56	6 42
W 25	4 6	17 22	0 6	16 0	2 50	12 41	0 9	22 26	0 26	16 30	1 16	13 13	2 6	18 37	0 37	1 14	1 32	24 58	8 3	17 35	17 58	15 10	14 55	6 43
T 26	4 30	19 35	1n13	16 24	2 55	12 21	0 13	22 30	0 24	16 28	1 16	13 15	2 6	18 36	0 37	1 15	1 32	24 58	8 3	17 35	17 57	15 11	14 54	6 44
F 27	4 53	20 27	2 27	16 47	2 59	12 2	0 17	22 33	0 22	16 27	1 16	13 17	2 5	18 36	0 37	1 16	1 32	24 58	8 3	17 35	17 57	15 12	14 52	6 44
S 28	5 16	20 1	3 29	17 7	3 3	11 41	0 21	22 36	0 20	16 26	1 16	13 20	2 5	18 35	0 37	1 17	1 32	24 58	8 4	17 36	17 56	15 14	14 51	6 45
S 29	5																							

SWISS EPHEMERIS for the year 1454

OCTOBER 1454 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	1 12 40	16♌17'02	11♋8	10♍20	3♎52	18♏21	19°R11	11♎47	9♏22	6♐53	12♑4	19°R14	20♒21	8♓9	23♔18
W 2	1 16 37	17°16'38	23°51	10°56	5°1	18°32	19♏5	11°54	9°23	6°55	12°5	19♎10	20°18	8°16	23°21
T 3	1 20 33	18°16'17	6♋21	11°27	6°10	18°42	18°59	12°1	9°25	6°58	12°6	19°5	20°15	8°22	23°23
F 4	1 24 30	19°15'57	18°38	11°53	7°19	18°52	18°53	12°8	9°27	7°0	12°7	19°0	20°11	8°29	23°25
S 5	1 28 26	20°15'40	0♏47	12°12	8°29	19°1	18°47	12°14	9°29	7°2	12°7	18°55	20°8	8°35	23°28
S 6	1 32 23	21°15'24	12°47	12°25	9°38	19°9	18°40	12°21	9°31	7°4	12°8	18°50	20°5	8°42	23°30
M 7	1 36 20	22°15'10	24°41	12°R30	10°48	19°17	18°34	12°28	9°32	7°6	12°9	18°47	20°2	8°49	23°32
T 8	1 40 16	23°14'58	6♓30	12°27	11°58	19°24	18°27	12°35	9°34	7°8	12°10	18°45	19°59	8°55	23°34
W 9	1 44 13	24°14'48	18°18	12°16	13°8	19°29	18°20	12°42	9°35	7°11	12°11	18°D44	19°55	9°2	23°36
T 10	1 48 9	25°14'41	0♏5	11°57	14°19	19°35	18°13	12°48	9°37	7°13	12°11	18°45	19°52	9°9	23°38
F 11	1 52 6	26°14'35	11°56	11°28	15°29	19°39	18°6	12°55	9°38	7°15	12°12	18°46	19°49	9°15	23°39
S 12	1 56 2	27°14'32	23°53	10°49	16°40	19°42	17°59	13°2	9°40	7°17	12°13	18°48	19°46	9°22	23°41
S 13	1 59 59	28°14'30	6♓2	10°2	17°50	19°45	17°52	13°9	9°41	7°19	12°13	18°49	19°43	9°29	23°42
M14	2 3 55	29°14'31	18°24	9°6	19°1	19°47	17°45	13°16	9°43	7°21	12°14	18°50	19°40	9°35	23°44
T 15	2 7 52	0♎14'35	1♏7	8°2	20°12	19°48	17°37	13°23	9°44	7°23	12°15	18°R51	19°36	9°42	23°45
W16	2 11 49	1°14'40	14°13	6°52	21°23	19°R48	17°30	13°30	9°45	7°26	12°15	18°50	19°33	9°49	23°46
T 17	2 15 45	2°14'47	27°46	5°37	22°34	19°48	17°22	13°37	9°46	7°28	12°16	18°49	19°30	9°55	23°47
F 18	2 19 42	3°14'57	11♎46	4°19	23°46	19°46	17°14	13°44	9°47	7°30	12°16	18°47	19°27	10°2	23°48
S 19	2 23 38	4°15'08	26°13	3°0	24°57	19°43	17°7	13°51	9°48	7°32	12°17	18°45	19°24	10°8	23°49
S 20	2 27 35	5°15'22	11♌3	1°44	26°9	19°40	16°59	13°58	9°49	7°34	12°17	18°43	19°21	10°15	23°50
M21	2 31 31	6°15'38	26°10	0°32	27°20	19°36	16°51	14°6	9°50	7°36	12°18	18°42	19°17	10°22	23°51
T 22	2 35 28	7°15'55	11♎23	29♌27	28°32	19°31	16°43	14°13	9°51	7°38	12°18	18°D41	19°14	10°28	23°51
W23	2 39 24	8°16'15	26°34	28°31	29°44	19°25	16°35	14°20	9°52	7°40	12°19	18°41	19°11	10°35	23°52
T 24	2 43 21	9°16'36	11♌33	27°45	0♎56	19°18	16°27	14°27	9°53	7°42	12°19	18°42	19°8	10°42	23°52
F 25	2 47 18	10°16'58	26°13	27°10	2°8	19°10	16°19	14°34	9°54	7°44	12°19	18°43	19°5	10°48	23°53
S 26	2 51 14	11°17'22	10♓29	26°46	3°20	19°1	16°11	14°41	9°54	7°46	12°20	18°43	19°1	10°55	23°53
S 27	2 55 11	12°17'48	24°18	26°35	4°33	18°52	16°2	14°48	9°55	7°48	12°20	18°44	18°58	11°2	23°53
M28	2 59 7	13°18'14	7♌41	26°D34	5°45	18°41	15°54	14°55	9°55	7°50	12°20	18°R44	18°55	11°8	23°R53
T 29	3 3 4	14°18'43	20°40	26°45	6°57	18°30	15°46	15°2	9°56	7°51	12°20	18°44	18°52	11°15	23°53
W30	3 7 0	15°19'12	3♋19	27°5	8°10	18°18	15°38	15°10	9°56	7°53	12°21	18°44	18°49	11°22	23°53
T 31	3 10 57	16°19'43	15♋40	27♌35	9♎23	18♏5	15♓30	15♎17	9♏57	7♐55	12♑21	18♒44	18♓46	11♔28	23♕52

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat										
T 1	6s25	12s31	5n10	17s58	3s10	10n38	0n33	22n46	0s14	16n21	1s16	13s26	2n5	18n34	0n37	1s20	1n32	24n58	8n4	17s35	17s53	15n18	14n48	6s47	
W 2	6 48	8 42	5 12	18 11	3 12	10 16	0 37	22 49	0 12	16 19	1 16	13 28	2 5	18 33	0 37	1 21	1 32	24 58	8 5	17 34	17 52	15 19	14 47	6 48	
T 3	7 11	4 35	4 59	18 21	3 12	9 54	0 41	22 52	0 10	16 18	1 16	13 30	2 5	18 33	0 37	1 21	1 32	24 58	8 5	17 33	17 51	15 20	14 46	6 49	
F 4	7 34	0 20	4 32	18 28	3 11	9 32	0 44	22 55	0 8	16 16	1 16	13 32	2 5	18 32	0 37	1 22	1 32	24 58	8 5	17 31	17 51	15 22	14 45	6 49	
S 5	7 56	3n53	3 54	18 33	3 10	9 9	0 48	22 58	0 6	16 14	1 16	13 35	2 5	18 32	0 37	1 23	1 32	24 58	8 5	17 30	17 50	15 23	14 44	6 50	
S 6	8 19	7 54	3 5	18 34	3 7	8 46	0 51	23 0	0 3	16 12	1 16	13 37	2 4	18 31	0 37	1 24	1 32	24 58	8 6	17 28	17 49	15 24	14 43	6 51	
M 7	8 41	11 35	2 9	18 32	3 3	8 23	0 55	23 3	0 1	16 11	1 16	13 39	2 4	18 31	0 37	1 25	1 32	24 58	8 6	17 28	17 48	15 26	14 42	6 51	
T 8	9 4	14 47	1 7	18 27	2 58	7 59	0 58	23 6	0n	1 16 9	1 16	13 41	2 4	18 31	0 38	1 26	1 32	24 58	8 6	17 27	17 47	15 27	14 41	6 52	
W 9	9 26	17 22	0 2	18 17	2 51	7 35	1 1	23 9	0 4	16 7	1 16	13 43	2 4	18 30	0 38	1 26	1 32	24 58	8 7	17 27	17 46	15 28	14 40	6 53	
T 10	9 48	19 13	1s	2 18	3 2	4 3	7 11	1 4	23 12	0 6	16 5	1 16	13 45	2 4	18 30	0 38	1 27	1 32	24 58	8 7	17 27	17 45	15 30	14 39	6 53
F 11	10 10	20 13	2 5	17 44	2 33	6 46	1 7	23 15	0 8	16 3	1 16	13 48	2 4	18 30	0 38	1 28	1 33	24 58	8 7	17 27	17 45	15 31	14 38	6 54	
S 12	10 31	20 20	3 2	17 21	2 21	6 21	1 10	23 17	0 11	16 1	1 16	13 50	2 4	18 29	0 38	1 29	1 33	24 58	8 7	17 28	17 44	15 32	14 37	6 55	
S 13	10 53	19 30	3 53	16 53	2 8	5 56	1 13	23 20	0 13	15 59	1 16	13 52	2 4	18 29	0 38	1 30	1 33	24 58	8 8	17 28	17 43	15 34	14 36	6 56	
M14	11 14	17 44	4 33	16 21	1 53	5 31	1 16	23 23	0 16	15 57	1 16	13 54	2 4	18 29	0 38	1 31	1 33	24 58	8 8	17 29	17 42	15 35	14 35	6 56	
T 15	11 35	15 3	5 2	15 44	1 36	5 6	1 18	23 25	0 18	15 55	1 16	13 56	2 4	18 28	0 38	1 31	1 33	24 58	8 8	17 29	17 41	15 36	14 34	6 57	
W16	11 56	11 34	5 16	15 4	1 17	4 40	1 21	23 28	0 21	15 53	1 16	13 58	2 4	18 28	0 38	1 32	1 33	24 58	8 9	17 29	17 40	15 37	14 33	6 58	
T 17	12 17	7 23	5 13	14 21	0 58	4 14	1 23	23 30	0 24	15 51	1 16	14 0	2 4	18 28	0 38	1 33	1 33	24 58	8 9	17 28	17 39	15 39	14 32	6 58	
F 18	12 38	2 40	4 52	13 35	0 38	3 48	1 26	23 33	0 26	15 48	1 16	14 3	2 4	18 27	0 38	1 34	1 33	24 59	8 9	17 28	17 39	15 40	14 31	6 59	
S 19	12 58	2s21	4 12	12 49	0 17	3 21	1 28	23 35	0 29	15 46	1 16	14 5	2 3	18 27	0 38	1 35	1 33	24 59	8 10	17 27	17 38	15 41	14 30	7 0	
S 20	13 19	7 22	3 14	12 3	0n	4	2 55	1 30	23 38	0 32	15 44	1 16	14 7	2 3	18 27	0 38	1 35	1 33	24 59	8 10	17 27	17 37	15 43	14 29	7 1
M21	13 39	12 1	2 2	11 19	0 24	2 28	1 32	23 40	0 34	15 42	1 16	14 9	2 3	18 27	0 38	1 36	1 33	24 59	8 10	17 26	17 36	15 44	14 29	7 1	
T 22	13 59	15 56	0 40	10 39	0 43	2 1	1 34	23 43	0 37	15 40	1 16	14 11	2 3	18 27	0 38	1 37	1 33	24 59	8 10	17 26	17 35	15 45	14 28	7 2	
W23	14 18	18 44	0n44	10 2	1 1	1 34	1 36	23 45	0 40	15 38	1 16	14 13	2 3	18 26	0 38	1 38	1 33	24 59	8 11	17 26	17 34	15 46	14 27	7 3	
T 24	14 38	20 11	2 4	9 30	1 17	1 7	1 38	23 47	0 43	15 35	1 16	14 15	2 3	18 26	0 38	1 38	1 33	25 0	8 11	17 26	17 33	15 48	14 26	7 3	
F 25	14 57	20 13	3 14	9 4	1 32	0 40	1 40	23 50	0 46	15 33	1 16	14 18	2 3	18 26	0 38	1 39	1 33	25 0	8 11	17 26	17 32	15 49	14 25	7 4	
S 26	15 16	18 56	4 10	8 44	1 44	0 13	1 41	23 52	0 49	15 31	1 16	14 20	2 3	18 26	0 38	1 40	1 33	25 0	8 12	17 27	17 32	15 50	14 25	7 5	
S 27	15 34	16 34	4 50	8 29	1 55	0s14	1 43	23 54	0 52	15 29	1 16	14 22	2 3	18 26	0 38	1 41	1 33	25 0	8 12	17 27	17 31	15 51	14 24	7 6	
M28	15 53	13 22	5 12	8 21	2 4	0 42	1 44	23 56	0 55	15 26	1 16	14 24	2 3	18 26	0 38	1 41	1 33	25 0	8 12	17 27	17 30	15 53	14 23	7 6	
T 29	16 11	9 37	5 18	8 18	2 11	1 9	1 45	23 58	0																

SWISS EPHEMERIS for the year 1454

NOVEMBER 1454 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
F 1	3 14 53	17m20'15	27H49	28Ω14	10Ω35	17°R51	15°R22	15m24	9Ω57	7Ω57	12Ω21	18°R44	18m42	11Ω35	23°R52
S 2	3 18 50	18°20'48	9V47	29° 0	11°48	17II37	15Ω13	15°31	9°57	7°59	12°21	18°D43	18°39	11°42	23Ω52
S 3	3 22 47	19°21'23	21°39	29°52	13° 1	17°22	15° 5	15°38	9°58	8° 1	12°21	18m43	18°36	11°48	23°51
M 4	3 26 43	20°21'59	3Ω28	0m51	14°14	17° 6	14°57	15°45	9°58	8° 2	12°21	18°44	18°33	11°55	23°50
T 5	3 30 40	21°22'36	15°16	1°54	15°27	16°49	14°49	15°52	9°58	8° 4	12°R21	18°R44	18°30	12° 1	23°49
W 6	3 34 36	22°23'15	27° 5	3° 2	16°40	16°31	14°41	15°59	9°58	8° 6	12°21	18°44	18°27	12° 8	23°49
T 7	3 38 33	23°23'56	8II57	4°14	17°53	16°13	14°33	16° 6	9°R58	8° 8	12°21	18°43	18°23	12°15	23°48
F 8	3 42 29	24°24'38	20°55	5°29	19° 6	15°55	14°25	16°14	9°58	8° 9	12°21	18°43	18°20	12°21	23°46
S 9	3 46 26	25°25'21	3Ω 1	6°47	20°20	15°35	14°17	16°21	9°58	8°11	12°21	18°42	18°17	12°28	23°45
S 10	3 50 22	26°26'06	15°16	8° 7	21°33	15°15	14° 9	16°28	9°58	8°13	12°21	18°41	18°14	12°35	23°44
M11	3 54 19	27°26'53	27°45	9°29	22°46	14°55	14° 2	16°35	9°58	8°14	12°20	18°40	18°11	12°41	23°43
T 12	3 58 16	28°27'40	10Ω29	10°53	24° 0	14°34	13°54	16°42	9°57	8°16	12°20	18°39	18° 7	12°48	23°41
W13	4 2 12	29°28'30	23°32	12°18	25°13	14°12	13°46	16°49	9°57	8°17	12°20	18°D38	18° 4	12°55	23°40
T 14	4 6 9	0Ω29'21	6m55	13°45	26°27	13°51	13°39	16°56	9°57	8°19	12°20	18°38	18° 1	13° 1	23°38
F 15	4 10 5	1°30'13	20°42	15°12	27°41	13°28	13°31	17° 3	9°56	8°20	12°20	18°39	17°58	13° 8	23°36
S 16	4 14 2	2°31'07	4Ω53	16°41	28°54	13° 6	13°24	17°10	9°56	8°22	12°19	18°40	17°55	13°15	23°34
S 17	4 17 58	3°32'02	19°26	18°10	0m 8	12°43	13°17	17°17	9°55	8°23	12°19	18°41	17°52	13°21	23°32
M18	4 21 55	4°32'58	4m17	19°39	1°22	12°20	13°10	17°24	9°54	8°25	12°19	18°42	17°48	13°28	23°30
T 19	4 25 51	5°33'56	19°21	21°10	2°36	11°57	13° 3	17°30	9°54	8°26	12°18	18°R42	17°45	13°35	23°28
W20	4 29 48	6°34'55	4Ω29	22°40	3°50	11°33	12°56	17°37	9°53	8°28	12°18	18°42	17°42	13°41	23°26
T 21	4 33 45	7°35'55	19°31	24°12	5° 4	11°10	12°49	17°44	9°52	8°29	12°17	18°40	17°39	13°48	23°24
F 22	4 37 41	8°36'56	4Ω20	25°43	6°18	10°46	12°42	17°51	9°52	8°30	12°17	18°38	17°36	13°54	23°21
S 23	4 41 38	9°37'57	18°47	27°15	7°32	10°23	12°36	17°58	9°51	8°32	12°16	18°35	17°33	14° 1	23°19
S 24	4 45 34	10°39'00	2Ω48	28°46	8°46	10° 0	12°29	18° 5	9°50	8°33	12°16	18°32	17°29	14° 8	23°16
M25	4 49 31	11°40'02	16°21	0Ω19	10° 0	9°37	12°23	18°11	9°49	8°34	12°15	18°29	17°26	14°14	23°14
T 26	4 53 27	12°41'06	29°27	1°51	11°14	9°14	12°17	18°18	9°48	8°35	12°15	18°28	17°23	14°21	23°11
W27	4 57 24	13°42'09	12H 8	3°23	12°29	8°51	12°11	18°25	9°47	8°37	12°14	18°D27	17°20	14°28	23° 8
T 28	5 1 20	14°43'13	24°29	4°56	13°43	8°28	12° 5	18°31	9°46	8°38	12°13	18°27	17°17	14°34	23° 5
F 29	5 5 17	15°44'18	6V35	6°28	14°57	8° 6	12° 0	18°38	9°44	8°39	12°13	18°29	17°13	14°41	23° 2
S 30	5 9 14	16°45'23	18V29	8Ω 1	16m12	7II45	11Ω54	18m45	9Ω43	8Ω40	12Ω12	18m30	17m10	14Ω48	22Ω59

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	17s 3	2n54	4n 7	8s40	2n22	2s32	1n49	24n 3	1n 6	15n17	1s15	14s32	2n 3	18n25	0n38	1s44
S 2	17 20	6 57	3 20	8 55	2 23	3 0	1 50	24 5	1 9	15 15	1 15	14 34	2 3	18 25	0 39	1 45
S 3	17 37	10 42	2 25	9 14	2 23	3 27	1 51	24 6	1 12	15 13	1 15	14 36	2 3	18 25	0 39	1 46
M 4	17 53	14 1	1 24	9 35	2 22	3 55	1 51	24 8	1 15	15 10	1 15	14 39	2 3	18 25	0 39	1 46
T 5	18 9	16 46	0 19	9 59	2 20	4 23	1 52	24 9	1 18	15 8	1 15	14 41	2 3	18 25	0 39	1 47
W 6	18 25	18 49	0s46	10 25	2 17	4 50	1 53	24 10	1 21	15 6	1 15	14 43	2 3	18 25	0 39	1 47
T 7	18 41	20 2	1 50	10 52	2 13	5 18	1 53	24 11	1 24	15 4	1 15	14 45	2 3	18 25	0 39	1 48
F 8	18 56	20 22	2 50	11 21	2 9	5 45	1 54	24 12	1 27	15 2	1 14	14 47	2 3	18 25	0 39	1 49
S 9	19 10	19 46	3 42	11 51	2 4	6 12	1 54	24 13	1 30	14 59	1 14	14 49	2 3	18 25	0 39	1 49
S 10	19 25	18 14	4 25	12 22	1 59	6 40	1 54	24 14	1 33	14 57	1 14	14 51	2 3	18 26	0 39	1 50
M11	19 39	15 49	4 57	12 54	1 54	7 7	1 54	24 14	1 36	14 55	1 14	14 53	2 3	18 26	0 39	1 51
T 12	19 52	12 37	5 14	13 26	1 48	7 34	1 54	24 15	1 39	14 53	1 14	14 55	2 3	18 26	0 39	1 51
W13	20 6	8 44	5 16	13 58	1 42	8 1	1 54	24 15	1 42	14 51	1 14	14 57	2 3	18 26	0 39	1 52
T 14	20 19	4 19	5 2	14 30	1 35	8 28	1 54	24 15	1 44	14 49	1 13	14 59	2 3	18 26	0 39	1 52
F 15	20 31	0s26	4 29	15 2	1 28	8 55	1 54	24 15	1 47	14 47	1 13	15 1	2 3	18 26	0 39	1 53
S 16	20 43	5 18	3 40	15 34	1 22	9 21	1 53	24 15	1 50	14 45	1 13	15 3	2 3	18 26	0 39	1 53
S 17	20 55	10 1	2 35	16 6	1 15	9 47	1 53	24 15	1 53	14 43	1 13	15 4	2 3	18 27	0 39	1 54
M18	21 7	14 14	1 19	16 37	1 8	10 14	1 53	24 14	1 55	14 41	1 13	15 6	2 3	18 27	0 39	1 54
T 19	21 18	17 34	0n 4	17 8	1 1	10 39	1 52	24 14	1 58	14 39	1 12	15 8	2 3	18 27	0 39	1 55
W20	21 28	19 41	1 26	17 38	0 53	11 5	1 51	24 13	2 0	14 37	1 12	15 10	2 3	18 27	0 39	1 55
T 21	21 38	20 24	2 42	18 8	0 46	11 31	1 51	24 12	2 3	14 35	1 12	15 12	2 3	18 27	0 39	1 56
F 22	21 48	19 40	3 46	18 37	0 39	11 56	1 50	24 11	2 5	14 33	1 12	15 14	2 3	18 28	0 39	1 56
S 23	21 58	17 40	4 34	19 5	0 32	12 21	1 49	24 10	2 7	14 32	1 11	15 16	2 3	18 28	0 39	1 57
S 24	22 6	14 40	5 4	19 33	0 25	12 46	1 48	24 9	2 10	14 30	1 11	15 18	2 3	18 28	0 39	1 57
M25	22 15	10 58	5 15	19 59	0 18	13 10	1 47	24 8	2 12	14 28	1 11	15 19	2 3	18 29	0 39	1 58
T 26	22 23	6 52	5 10	20 25	0 10	13 34	1 46	24 6	2 14	14 27	1 11	15 21	2 3	18 29	0 39	1 58
W27	22 31	2 34	4 49	20 50	0 3	13 58	1 45	24 5	2 16	14 25	1 10	15 23	2 3	18 29	0 40	1 59
T 28	22 38	1n43	4 15	21 14	0s 4	14 21	1 43	24 3	2 18	14 24	1 10	15 25	2 3	18 29	0 40	1 59
F 29	22 45	5 51	3 31	21 37	0 10	14 45	1 42	24 1	2 20	14 22	1 10	15 27	2 3	18 30	0 40	1 59
S 30	22s51	9n42	2n38	22s 0	0s17	15s 7	1n41	24n 0	2n22	14n21	1s10	15s28	2n 3	18n30	0n40	2s 0

Julian Day Number = 2252435.5, Delta T = 249.65 sec
 Ecliptic obliquity = 23°30'30, Nutation = 0°00'12
 Ayanamsha: Fagan/Bradley = 17°08'05, Lahiri = 16°15'05 Julian Calendar 1 Nov. 1454 == Greg. Calendar 10 Nov. 1454

SWISS EPHEMERIS for the year 1454

DECEMBER 1454 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	5 13 10	17°46'28	08°18	9°34	17°26	7°R23	11°R49	18°M51	9°R42	8°M41	12°R11	18°M32	17°M 7	14°S54	22°R56	
M 2	5 17 7	18°47'34	12° 4	11° 7	18°40	7°II 3	11°R44	18°S8	9°M41	8°42	12°R11	18°R33	17° 4	15° 1	22°S53	
T 3	5 21 3	19°48'40	23°53	12°41	19°55	6°42	11°39	19° 4	9°39	8°43	12°10	18°R33	17° 1	15° 8	22°50	
W 4	5 25 0	20°49'47	5°II46	14°14	21° 9	6°22	11°34	19°11	9°38	8°44	12° 9	18°R32	16°58	15°14	22°46	
T 5	5 28 56	21°50'54	17°47	15°48	22°24	6° 3	11°30	19°17	9°36	8°45	12° 8	18°29	16°54	15°21	22°43	
F 6	5 32 53	22°52'02	29°56	17°22	23°38	5°45	11°25	19°23	9°35	8°46	12° 8	18°24	16°51	15°27	22°40	
S 7	5 36 49	23°53'10	12°S16	18°56	24°53	5°27	11°21	19°30	9°33	8°47	12° 7	18°18	16°48	15°34	22°36	
S 8	5 40 46	24°54'18	24°48	20°30	26° 7	5° 9	11°17	19°36	9°32	8°48	12° 6	18°11	16°45	15°41	22°33	
M 9	5 44 43	25°55'27	7°R31	22° 5	27°22	4°53	11°13	19°42	9°30	8°48	12° 5	18° 4	16°42	15°47	22°29	
T 10	5 48 39	26°56'36	20°27	23°39	28°36	4°37	11°10	19°48	9°28	8°49	12° 4	17°58	16°39	15°54	22°25	
W11	5 52 36	27°57'46	3°II37	25°14	29°51	4°21	11° 6	19°55	9°27	8°50	12° 3	17°54	16°35	16° 1	22°21	
T 12	5 56 32	28°58'56	17° 1	26°49	1°7 6	4° 7	11° 3	20° 1	9°25	8°51	12° 2	17°51	16°32	16° 7	22°18	
F 13	6 0 29	0°0'07	0°S41	28°25	16° 3	3°53	11° 0	20° 7	9°23	8°51	12° 1	17°D51	16°29	16°14	22°14	
S 14	6 4 25	1° 1'18	14°37	0°S 1	3°35	3°40	10°57	20°13	9°21	8°52	12° 0	17°51	16°26	16°21	22°10	
S 15	6 8 22	2° 2'29	28°50	1°37	4°50	3°28	10°55	20°19	9°19	8°53	11°59	17°53	16°23	16°27	22° 6	
M16	6 12 18	3° 3'41	13°M18	3°14	6° 4	3°16	10°52	20°24	9°17	8°53	11°58	17°R54	16°19	16°34	22° 2	
T 17	6 16 15	4° 4'53	27°58	4°50	7°19	3° 6	10°50	20°30	9°15	8°54	11°57	17°53	16°16	16°41	21°58	
W18	6 20 12	5° 6'06	12°M45	6°28	8°34	2°56	10°48	20°36	9°13	8°54	11°56	17°51	16°13	16°47	21°54	
T 19	6 24 8	6° 7'18	27°33	8° 5	9°49	2°47	10°46	20°42	9°11	8°55	11°55	17°46	16°10	16°54	21°50	
F 20	6 28 5	7° 8'31	12°S13	9°43	11° 3	2°39	10°44	20°47	9° 9	8°55	11°54	17°39	16° 7	17° 1	21°45	
S 21	6 32 1	8° 9'43	26°37	11°21	12°18	2°32	10°43	20°53	9° 7	8°56	11°53	17°31	16° 4	17° 7	21°41	
S 22	6 35 58	9°10'55	10°S40	13° 0	13°33	2°25	10°42	20°58	9° 5	8°56	11°51	17°22	16° 0	17°14	21°37	
M23	6 39 54	10°12'07	24°18	14°39	14°48	2°20	10°41	21° 4	9° 3	8°56	11°50	17°13	15°57	17°20	21°33	
T 24	6 43 51	11°13'18	7°H30	16°19	16° 3	2°15	10°40	21° 9	9° 1	8°57	11°49	17° 6	15°54	17°27	21°28	
W25	6 47 47	12°14'28	20°16	17°58	17°17	2°11	10°39	21°15	8°58	8°57	11°48	17° 1	15°51	17°34	21°24	
T 26	6 51 44	13°15'38	2°V41	19°39	18°32	2° 8	10°39	21°20	8°56	8°57	11°47	16°59	15°48	17°40	21°20	
F 27	6 55 41	14°16'47	14°47	21°19	19°47	2° 5	10°D39	21°25	8°54	8°57	11°45	16°D58	15°45	17°47	21°15	
S 28	6 59 37	15°17'56	26°42	23° 0	21° 2	2° 4	10°39	21°30	8°52	8°57	11°44	16°59	15°41	17°54	21°11	
S 29	7 3 34	16°19'03	8°S30	24°41	22°17	2° 3	10°39	21°35	8°49	8°58	11°43	17° 0	15°38	18° 0	21° 7	
M30	7 7 30	17°20'11	20°17	26°22	23°32	2°D 3	10°40	21°40	8°47	8°58	11°42	17°R 0	15°35	18° 7	21° 2	
T 31	7 11 27	18°21'17	2°II 7	28°S 4	24°M47	2°II 4	10°S40	21°M45	8°M44	8°M58	11°M40	16°M58	15°M32	18°S14	20°S58	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	22s57	13n 9	1n39	22s21	0s24	15s30	1n39	23n58	2n23	14n19	1s 9	15s30	2n 3	18n31	0n40	2s 0
M 2	23 2 16 4	0 36	22 41	0 30	15 52	1 38	23 56	2 25	14 18	1 9	15 32	2 4	18 31	0 40	2 1	1 35
T 3	23 7 18 20	0s29	23 0	0 37	16 14	1 36	23 54	2 27	14 17	1 9	15 33	2 4	18 31	0 40	2 1	1 35
W 4	23 11 19 48	1 33	23 17	0 43	16 35	1 34	23 52	2 28	14 16	1 9	15 35	2 4	18 32	0 40	2 1	1 35
T 5	23 15 20 24	2 33	23 34	0 49	16 56	1 33	23 50	2 29	14 14	1 8	15 37	2 4	18 32	0 40	2 2	1 35
F 6	23 19 20 3	3 27	23 49	0 55	17 16	1 31	23 48	2 31	14 13	1 8	15 38	2 4	18 33	0 40	2 2	1 35
S 7	23 22 18 46	4 12	24 4	1 1	17 36	1 29	23 46	2 32	14 12	1 8	15 40	2 4	18 33	0 40	2 2	1 35
S 8	23 25 16 33	4 45	24 17	1 7	17 55	1 27	23 44	2 33	14 11	1 8	15 42	2 4	18 34	0 40	2 2	1 35
M 9	23 27 13 31	5 5	24 28	1 12	18 14	1 25	23 42	2 34	14 10	1 7	15 43	2 4	18 34	0 40	2 3	1 35
T 10	23 28 9 48	5 10	24 39	1 17	18 33	1 23	23 40	2 35	14 10	1 7	15 45	2 4	18 35	0 40	2 3	1 35
W11	23 30 5 34	4 59	24 48	1 23	18 51	1 21	23 38	2 36	14 9	1 7	15 46	2 4	18 35	0 40	2 3	1 35
T 12	23 30 0 58	4 32	24 56	1 27	19 9	1 19	23 36	2 37	14 8	1 6	15 48	2 4	18 36	0 40	2 3	1 35
F 13	23 30 3s45	3 48	25 2	1 32	19 26	1 17	23 34	2 38	14 7	1 6	15 49	2 4	18 36	0 40	2 4	1 35
S 14	23 30 8 24	2 51	25 7	1 36	19 42	1 15	23 33	2 39	14 7	1 6	15 51	2 4	18 37	0 40	2 4	1 35
S 15	23 30 12 40	1 42	25 10	1 41	19 58	1 13	23 31	2 40	14 6	1 6	15 52	2 5	18 37	0 40	2 4	1 35
M16	23 28 16 16	0 25	25 13	1 45	20 13	1 11	23 29	2 40	14 6	1 5	15 54	2 5	18 38	0 40	2 4	1 35
T 17	23 27 18 53	0n54	25 13	1 48	20 28	1 8	23 28	2 41	14 5	1 5	15 55	2 5	18 38	0 40	2 4	1 36
W18	23 25 20 14	2 10	25 12	1 51	20 43	1 6	23 26	2 41	14 5	1 5	15 57	2 5	18 39	0 40	2 5	1 36
T 19	23 22 20 12	3 17	25 10	1 55	20 56	1 4	23 25	2 42	14 4	1 4	15 58	2 5	18 39	0 40	2 5	1 36
F 20	23 19 18 47	4 11	25 6	1 57	21 9	1 1	23 24	2 42	14 4	1 4	16 0	2 5	18 40	0 40	2 5	1 36
S 21	23 15 16 12	4 47	25 0	2 0	21 22	0 59	23 23	2 42	14 4	1 4	16 1	2 5	18 40	0 40	2 5	1 36
S 22	23 11 12 43	5 5	24 53	2 2	21 34	0 56	23 22	2 43	14 4	1 4	16 2	2 5	18 41	0 40	2 5	1 36
M23	23 7 8 40	5 5	24 45	2 3	21 45	0 54	23 21	2 43	14 4	1 3	16 4	2 5	18 42	0 40	2 5	1 36
T 24	23 2 4 20	4 48	24 34	2 5	21 55	0 51	23 20	2 43	14 4	1 3	16 5	2 5	18 42	0 40	2 5	1 36
W25	22 57 0n 5	4 17	24 22	2 6	22 5	0 49	23 19	2 43	14 4	1 3	16 6	2 5	18 43	0 40	2 5	1 36
T 26	22 51 4 21	3 35	24 9	2 6	22 15	0 46	23 19	2 43	14 4	1 2	16 7	2 5	18 44	0 40	2 5	1 36
F 27	22 44 8 22	2 44	23 54	2 6	22 23	0 44	23 18	2 43	14 5	1 2	16 9	2 5	18 44	0 40	2 5	1 36
S 28	22 38 11 59	1 47	23 37	2 6	22 31	0 41	23 18	2 43	14 5	1 2	16 10	2 5	18 45	0 40	2 5	1 36
S 29	22 30 15 6	0 45	23 18	2 5	22 39	0 38	23 18	2 43	14 5	1 1	16 11	2 5	18 45	0 40	2 5	1 36
M30	22 23 17 35	0s18	22 58	2 4	22 45	0 36	23 18	2 43	14 6	1 1	16 12	2 5	18 46	0 41	2 5	1 36
T 31	22s15	19n20	1s20	22s36	2s 2	22s51	0n33	23n18	2n43	14n 6	1s 1	16s13	2n 6	18n47	0n41	2s 5

Julian Day Number = 2252465.5, Delta T = 249.55 sec
 Ecliptic obliquity = 23°30'30, Nutation = 0°00'12
 Ayanamsha: Fagan/Bradley = 17°08'09, Lahiri = 16°15'09 Julian Calendar 1 Dec. 1454 == Greg. Calendar 10 Dec. 1454