



Astrodienst Ephemeris Tables for the year 1540

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris
Code D5EPX

ASTRODIENST EPHEMERIS for the year 1540
geocentric

JANUARY 1540 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	7 16 59	19°34'49	18° 3	23°28	21°26	4°31	24°R35	14°42	14°R42	11°V13	11°18	21°R39	21°V27	26°59	29°V30	T 1
F 2	7 20 56	20°44'55	0°M26	25° 9	22°41	4°50	24°27	14°44	14°40	11°13	11°19	21°V38	21°24	27° 5	29°30	F 2
S 3	7 24 53	21°46'01	12°34	26°51	23°56	5° 7	24°19	14°45	14°38	11°14	11°21	21°37	21°21	27°12	29°30	S 3
S 4	7 28 49	22°47'07	24°31	28°33	25°12	5°25	24°11	14°46	14°35	11°15	11°23	21°34	21°18	27°19	29°31	S 4
M 5	7 32 46	23°48'12	6°22	0°16	26°27	5°42	24° 3	14°47	14°33	11°15	11°25	21°28	21°14	27°26	29°31	M 5
T 6	7 36 42	24°49'17	18°11	1°59	27°43	5°58	23°55	14°48	14°30	11°16	11°26	21°19	21°11	27°32	29°31	T 6
W 7	7 40 39	25°50'22	0°3	1	3°42	28°58	6°14	23°47	14°49	14°28	11°17	11°28	21° 8	21° 8	27°39	W 7
T 8	7 44 35	26°51'25	11°55	5°26	0°14	6°30	23°39	14°50	14°26	11°18	11°30	20°54	21° 5	27°46	29°32	T 8
F 9	7 48 32	27°52'28	23°54	7° 9	1°29	6°45	23°31	14°50	14°23	11°19	11°32	20°39	21° 2	27°52	29°33	F 9
S 10	7 52 28	28°53'30	6° 0	8°53	2°44	7° 0	23°23	14°51	14°21	11°20	11°33	20°24	20°59	27°59	29°33	S 10
S 11	7 56 25	29°54'31	18°13	10°37	4° 0	7°14	23°15	14°51	14°18	11°21	11°35	20°10	20°55	28° 6	29°34	S 11
M12	8 0 22	0°55'32	0°H34	12°21	5°15	7°27	23° 7	14°52	14°16	11°22	11°37	19°59	20°52	28°13	29°35	M12
T 13	8 4 18	1°56'30	13° 3	14° 4	6°30	7°40	22°59	14°52	14°13	11°23	11°39	19°51	20°49	28°19	29°36	T 13
W14	8 8 15	2°57'28	25°44	15°46	7°46	7°53	22°51	14°52	14°10	11°24	11°40	19°46	20°46	28°26	29°37	W14
T 15	8 12 11	3°58'25	8°V38	17°28	9° 1	8° 5	22°43	14°R52	14° 8	11°25	11°42	19°44	20°43	28°33	29°37	T 15
F 16	8 16 8	4°59'20	21°47	19° 9	10°16	8°17	22°35	14°52	14° 5	11°26	11°44	19°D44	20°39	28°39	29°38	F 16
S 17	8 20 4	6° 0'14	5°B15	20°48	11°31	8°27	22°28	14°52	14° 3	11°27	11°46	19°R44	20°36	28°46	29°40	S 17
S 18	8 24 1	7° 1'06	19° 3	22°26	12°47	8°38	22°20	14°51	14° 0	11°28	11°48	19°44	20°33	28°53	29°41	S 18
M19	8 27 57	8° 1'58	3°II14	24° 1	14° 2	8°48	22°13	14°51	13°58	11°30	11°49	19°41	20°30	29° 0	29°42	M19
T 20	8 31 54	9° 2'47	17°45	25°34	15°17	8°57	22° 5	14°50	13°55	11°31	11°51	19°36	20°27	29° 6	29°43	T 20
W21	8 35 51	10° 3'36	2°34	27° 3	16°32	9° 6	21°58	14°50	13°52	11°32	11°53	19°29	20°24	29°13	29°44	W21
T 22	8 39 47	11° 4'22	17°33	28°28	17°48	9°14	21°51	14°49	13°50	11°33	11°55	19°19	20°20	29°20	29°46	T 22
F 23	8 43 44	12° 5'08	2°Ω35	29°49	19° 3	9°21	21°43	14°48	13°47	11°35	11°57	19° 9	20°17	29°26	29°47	F 23
S 24	8 47 40	13° 5'52	17°29	1°H 5	20°18	9°28	21°36	14°47	13°44	11°36	11°58	18°58	20°14	29°33	29°49	S 24
S 25	8 51 37	14° 6'35	2°Π 6	2°14	21°33	9°34	21°29	14°46	13°42	11°37	12° 0	18°49	20°11	29°40	29°50	S 25
M26	8 55 33	15° 7'16	16°19	3°17	22°48	9°39	21°23	14°45	13°39	11°39	12° 2	18°43	20° 8	29°47	29°52	M26
T 27	8 59 30	16° 7'56	0°Ω 5	4°13	24° 3	9°44	21°16	14°44	13°37	11°40	12° 4	18°39	20° 5	29°53	29°53	T 27
W28	9 3 26	17° 8'35	13°22	5° 0	25°19	9°48	21° 9	14°43	13°34	11°42	12° 5	18°D37	20° 1	29°59	29°55	W28
T 29	9 7 23	18° 9'12	26°14	5°39	26°34	9°52	21° 3	14°41	13°31	11°43	12° 7	18°37	19°58	0°3 7	29°57	T 29
F 30	9 11 20	19° 9'49	8°M43	6° 8	27°49	9°55	20°57	14°40	13°29	11°45	12° 9	18°38	19°55	0°13	29°59	F 30
S 31	9 15 16	20°10'24	20°M55	6°H27	29° 4	9°57	20°50	14°38	13°26	11°V46	12°11	18°R39	19°V52	0°320	0° 0	S 31

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	lat
T 1	22s 3	6s48	0n19	23s30	2s 5	22s44	0s57	0n41	2n42	21n45	0n30	3s30	2n30	17n 9	0n43	2n56	1s39	25s 6	8s 0	8n27	8n23	28s 9	10n29	0s54		
F 2	21 54	12 23	0s46	23 13	2 5	22 33	0 59	0 34	2 43	21 47	0 30	3 31	2 30	17 10	0 43	2 56	1 39	25 6	8 0	8 27	8 22	28 10	10 29	0 54		
S 3	21 44	17 22	1 48	22 53	2 5	22 22	1 1	0 28	2 44	21 48	0 30	3 31	2 30	17 10	0 43	2 56	1 39	25 5	8 0	8 27	8 21	28 10	10 29	0 54		
S 4	21 34	21 36	2 44	22 33	2 5	22 10	1 2	0 22	2 45	21 50	0 31	3 31	2 31	17 11	0 43	2 56	1 39	25 5	8 0	8 26	8 20	28 11	10 29	0 54		
M 5	21 24	24 55	3 33	22 10	2 4	21 58	1 4	0 17	2 46	21 52	0 31	3 31	2 31	17 12	0 43	2 57	1 39	25 4	8 0	8 24	8 18	28 11	10 29	0 54		
T 6	21 13	27 9	4 11	21 46	2 3	21 45	1 6	0 11	2 48	21 53	0 31	3 31	2 31	17 12	0 43	2 57	1 39	25 4	8 0	8 20	8 17	28 12	10 29	0 54		
W 7	21 2	28 10	4 40	21 20	2 1	21 31	1 7	0 6	2 49	21 55	0 31	3 31	2 32	17 13	0 43	2 58	1 39	25 3	8 0	8 16	8 16	28 12	10 29	0 54		
T 8	20 50	27 52	4 56	20 52	1 58	21 16	1 9	0 1	2 50	21 56	0 31	3 31	2 32	17 14	0 43	2 58	1 39	25 3	8 0	8 11	8 15	28 13	10 30	0 54		
F 9	20 38	26 17	4 59	20 23	1 55	21 1	1 10	0s 4	2 51	21 58	0 31	3 31	2 32	17 15	0 43	2 58	1 39	25 2	8 0	8 5	8 14	28 13	10 30	0 54		
S 10	20 26	23 28	4 48	19 52	1 51	20 45	1 11	0 9	2 52	21 59	0 31	3 31	2 32	17 15	0 43	2 59	1 39	25 2	8 0	7 59	8 12	28 13	10 30	0 54		
S 11	20 13	19 36	4 25	19 20	1 47	20 29	1 13	0 13	2 53	22 1	0 31	3 31	2 33	17 16	0 43	2 59	1 39	25 1	8 0	7 54	8 11	28 14	10 30	0 54		
M12	20 0	14 52	3 49	18 47	1 42	20 12	1 14	0 18	2 54	22 2	0 32	3 31	2 33	17 17	0 43	3 0	1 39	25 1	8 0	7 50	8 10	28 14	10 30	0 54		
T 13	19 47	9 27	3 1	18 12	1 37	19 55	1 15	0 22	2 56	22 4	0 32	3 31	2 33	17 18	0 43	3 0	1 39	25 0	8 0	7 47	8 9	28 15	10 31	0 54		
W14	19 33	3 35	2 3	17 35	1 30	19 37	1 17	0 26	2 57	22 5	0 32	3 31	2 34	17 18	0 43	3 1	1 39	25 0	8 0	7 45	8 8	28 15	10 31	0 54		
T 15	19 19	2n32	0 58	16 58	1 23	19 18	1 18	0 29	2 58	22 6	0 32	3 30	2 34	17 19	0 43	3 1	1 38	24 59	8 0	7 44	8 6	28 16	10 31	0 54		
F 16	19 4	8 41	0n11	16 19	1 15	18 59	1 19	0 33	2 59	22 8	0 32	3 30	2 34	17 20	0 43	3 1	1 38	24 59	8 0	7 44	8 5	28 16	10 32	0 54		
S 17	18 49	14 35	1 21	15 39	1 7	18 39	1 20	0 36	3 0	22 9	0 32	3 30	2 34	17 21	0 43	3 2	1 38	24 58	8 0	7 44	8 4	28 16	10 32	0 54		
S 18	18 34	19 55	2 29	14 59	0 58	18 19	1 21	0 39	3 1	22 10	0 32	3 29	2 35	17 21	0 43	3 2	1 38	24 58	8 0	7 44	8 3	28 17	10 32	0 55		
M19	18 18	24 16	3 29	14 18	0 47	17 58	1 22	0 42	3 2	22 12	0 32	3 29	2 35	17 22	0 43	3 3	1 38	24 57	8 0	7 43	8 2	28 17	10 33	0 55		
T 20	18 2	27 12	4 17	13 36	0 36	17 36	1 22	0 45	3 4	22 13	0 32	3 29	2 35	17 23	0 43	3 4	1 38	24 57	8 0	7 41	8 0	28 18	10 33	0 55		
W21	17 46	28 18	4 49	12 55	0 25	17 15	1 23	0 47	3 5	22 14	0 32	3 28	2 36	17 24	0 43	3 4	1 38	24 56	8 0	7 39	7 59	28 18	10 33	0 55		
T 22	17 30	27 20	5 2	12 14	0 12	16 52	1 24	0 49	3 6	22 16	0 33	3 28	2 36	17 24	0 43	3 5	1 38	24 56	8 0	7 35	7 58	28 18	10 34	0 55		
F 23	17 13	24 24	4 54	11 33	0n 1	16 29	1 25	0 51	3 7	22 17	0 33	3 27	2 36	17 25	0 43	3 5	1 38	24 55	8 0	7 31	7 57	28 19	10 34	0 55		
S 24	16 56	19 51	4 26	10 53	0 15	16 6	1 25	0 53	3 8	22 18	0 33	3 26	2 36	17 26	0 43	3 6	1 38	24 55	8 0	7 27	7 56	28 19	10 35	0 55		
S 25	16 38	14 11	3 41	10 15	0 30	15 43	1 26	0 54	3 9	22 19	0 33	3 26	2 37	17 27	0 43	3 6	1 38	24 54	8 0	7 24	7 54	28 19	10 35	0 55		
M26	16 21	7 55	2 43	9 38	0 45	15 18	1 26	0 55	3 10	22 20	0 33	3 25	2 37	17 28	0 43	3 7	1 38	24 54	8 0	7 21	7 53	28 20	10 36	0 55		
T 27	16 3	1 27	1 37	9 3	1 0	14 54	1 27	0 56	3 11	22 22	0 33	3 24	2 37	17 28	0 43	3 8	1 38	24 54	8 0	7 20	7 52	28 20	10 36	0 55		
W28	15 44	4s52	0 28	8 31	1 16	14 29	1 27	0 57	3 13	22 23	0 33	3 24	2 37	17 29	0 43	3 8	1 38	24 53	8 1	7 19	7 51	28 20	10 37	0 55		
T 29	15 26	10 47	0s41	8 2	1 33	14 4	1 27	0 57	3 14	22 24	0 33	3 23	2 38	17 30	0 43	3 9	1 38	24 53	8 1	7 19	7 50	28 21	10 38	0 55		
F 30	15 7	16 6	1 45	7 36	1 49	13 38	1 28	0 57	3 15	22 25	0 33	3 22	2 38	17 31	0 43	3 9	1 38	24 52	8 1	7 19	7 48	28 21	10 38	0 55		
S 31	14s48	20s39	2s44	7s14	2n 5	13s12	1s28	0s57	3n16	22n26	0n33	3s21	2n38	17n31	0n43	3n10	1s38	24s52	8s 1	7n19	7n47	28s21	10n39	0s55		

ASTRODIENST EPHEMERIS for the year 1540
geocentric

FEBRUARY 1540 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	9 19 13	21 ²⁸ 10'59	2 ²⁷ 54	6 ⁰ R36	0 ⁰ 19	9 ⁰ 58	20 ⁰ R44	14 ⁰ R36	13 ⁰ R24	11 ⁰ Y48	12 ⁰ 13	18 ⁰ R38	19 ⁰ Y49	0 ⁰ 27	0 ⁰ 2	S 1
M 2	9 23 9	22 ⁰ 11'31	14 ⁰ 46	6 ⁰ 35	1 ⁰ 34	9 ⁰ R59	20 ⁰ 38	14 ⁰ 34	13 ⁰ 21	11 ⁰ 49	12 ⁰ 14	18 ⁰ Y35	19 ⁰ 45	0 ⁰ 34	0 ⁰ 4	M 2
T 3	9 27 6	23 ⁰ 12'03	26 ⁰ 36	6 ⁰ 23	2 ⁰ 49	9 ⁰ 59	20 ⁰ 33	14 ⁰ 32	13 ⁰ 18	11 ⁰ 51	12 ⁰ 16	18 ⁰ 30	19 ⁰ 42	0 ⁰ 40	0 ⁰ 6	T 3
W 4	9 31 2	24 ⁰ 12'33	8 ⁰ 38	6 ⁰ 1	4 ⁰ 4	9 ⁰ 58	20 ⁰ 27	14 ⁰ 30	13 ⁰ 16	11 ⁰ 53	12 ⁰ 18	18 ⁰ 22	19 ⁰ 39	0 ⁰ 47	0 ⁰ 9	W 4
T 5	9 34 59	25 ⁰ 13'02	20 ⁰ 25	5 ⁰ 30	5 ⁰ 19	9 ⁰ 56	20 ⁰ 21	14 ⁰ 28	13 ⁰ 13	11 ⁰ 54	12 ⁰ 20	18 ⁰ 13	19 ⁰ 36	0 ⁰ 54	0 ⁰ 11	T 5
F 6	9 38 55	26 ⁰ 13'29	2 ⁰ 31	4 ⁰ 50	6 ⁰ 34	9 ⁰ 54	20 ⁰ 16	14 ⁰ 26	13 ⁰ 11	11 ⁰ 56	12 ⁰ 21	18 ⁰ 3	19 ⁰ 33	1 ⁰ 0	0 ⁰ 13	F 6
S 7	9 42 52	27 ⁰ 13'55	14 ⁰ 46	4 ⁰ 2	7 ⁰ 49	9 ⁰ 51	20 ⁰ 11	14 ⁰ 24	13 ⁰ 8	11 ⁰ 58	12 ⁰ 23	17 ⁰ 52	19 ⁰ 30	1 ⁰ 7	0 ⁰ 15	S 7
S 8	9 46 49	28 ⁰ 14'19	27 ⁰ 12	3 ⁰ 9	9 ⁰ 4	9 ⁰ 47	20 ⁰ 6	14 ⁰ 21	13 ⁰ 6	12 ⁰ 0	12 ⁰ 25	17 ⁰ 43	19 ⁰ 26	1 ⁰ 14	0 ⁰ 17	S 8
M 9	9 50 45	29 ⁰ 14'41	9 ⁰ 49	2 ⁰ 10	10 ⁰ 19	9 ⁰ 42	20 ⁰ 1	14 ⁰ 19	13 ⁰ 3	12 ⁰ 1	12 ⁰ 27	17 ⁰ 36	19 ⁰ 23	1 ⁰ 21	0 ⁰ 20	M 9
T 10	9 54 42	0 ⁰ 15'02	22 ⁰ 37	1 ⁰ 7	11 ⁰ 34	9 ⁰ 37	19 ⁰ 56	14 ⁰ 16	13 ⁰ 1	12 ⁰ 3	12 ⁰ 28	17 ⁰ 30	19 ⁰ 20	1 ⁰ 27	0 ⁰ 22	T 10
W 11	9 58 38	1 ⁰ 15'21	5 ⁰ Y37	0 ⁰ 3	12 ⁰ 48	9 ⁰ 30	19 ⁰ 52	14 ⁰ 13	12 ⁰ 58	12 ⁰ 5	12 ⁰ 30	17 ⁰ 28	19 ⁰ 17	1 ⁰ 34	0 ⁰ 25	W 11
T 12	10 2 35	2 ⁰ 15'37	18 ⁰ 48	28 ⁰ 59	14 ⁰ 3	9 ⁰ 23	19 ⁰ 47	14 ⁰ 11	12 ⁰ 56	12 ⁰ 7	12 ⁰ 32	17 ⁰ D27	19 ⁰ 14	1 ⁰ 41	0 ⁰ 27	T 12
F 13	10 6 31	3 ⁰ 15'52	2 ⁰ 11	27 ⁰ 56	15 ⁰ 18	9 ⁰ 15	19 ⁰ 43	14 ⁰ 8	12 ⁰ 53	12 ⁰ 9	12 ⁰ 34	17 ⁰ 28	19 ⁰ 10	1 ⁰ 47	0 ⁰ 30	F 13
S 14	10 10 28	4 ⁰ 16'05	15 ⁰ 47	26 ⁰ 55	16 ⁰ 33	9 ⁰ 7	19 ⁰ 39	14 ⁰ 5	12 ⁰ 51	12 ⁰ 10	12 ⁰ 35	17 ⁰ 29	19 ⁰ 7	1 ⁰ 54	0 ⁰ 32	S 14
S 15	10 14 24	5 ⁰ 16'15	29 ⁰ 37	25 ⁰ 59	17 ⁰ 48	8 ⁰ 57	19 ⁰ 36	14 ⁰ 2	12 ⁰ 49	12 ⁰ 12	12 ⁰ 37	17 ⁰ R30	19 ⁰ 4	2 ⁰ 1	0 ⁰ 35	S 15
M 16	10 18 21	6 ⁰ 16'24	13 ⁰ II40	25 ⁰ 7	19 ⁰ 2	8 ⁰ 47	19 ⁰ 32	13 ⁰ 59	12 ⁰ 46	12 ⁰ 14	12 ⁰ 39	17 ⁰ 30	19 ⁰ 1	2 ⁰ 8	0 ⁰ 38	M 16
T 17	10 22 18	7 ⁰ 16'30	27 ⁰ 56	24 ⁰ 21	20 ⁰ 17	8 ⁰ 36	19 ⁰ 29	13 ⁰ 55	12 ⁰ 44	12 ⁰ 16	12 ⁰ 40	17 ⁰ 28	18 ⁰ 58	2 ⁰ 14	0 ⁰ 40	T 17
W 18	10 26 14	8 ⁰ 16'35	12 ⁰ 22	23 ⁰ 41	21 ⁰ 32	8 ⁰ 25	19 ⁰ 25	13 ⁰ 52	12 ⁰ 42	12 ⁰ 18	12 ⁰ 42	17 ⁰ 25	18 ⁰ 55	2 ⁰ 21	0 ⁰ 43	W 18
T 19	10 30 11	9 ⁰ 16'37	26 ⁰ 55	23 ⁰ 7	22 ⁰ 47	8 ⁰ 12	19 ⁰ 22	13 ⁰ 49	12 ⁰ 39	12 ⁰ 20	12 ⁰ 44	17 ⁰ 20	18 ⁰ 51	2 ⁰ 28	0 ⁰ 46	T 19
F 20	10 34 7	10 ⁰ 16'37	11 ⁰ Q29	22 ⁰ 41	24 ⁰ 1	7 ⁰ 59	19 ⁰ 19	13 ⁰ 46	12 ⁰ 37	12 ⁰ 22	12 ⁰ 45	17 ⁰ 14	18 ⁰ 48	2 ⁰ 34	0 ⁰ 49	F 20
S 21	10 38 4	11 ⁰ 16'35	25 ⁰ 57	22 ⁰ 21	25 ⁰ 16	7 ⁰ 45	19 ⁰ 17	13 ⁰ 42	12 ⁰ 35	12 ⁰ 24	12 ⁰ 47	17 ⁰ 8	18 ⁰ 45	2 ⁰ 41	0 ⁰ 52	S 21
S 22	10 42 0	12 ⁰ 16'30	10 ⁰ 14	22 ⁰ 7	26 ⁰ 30	7 ⁰ 31	19 ⁰ 14	13 ⁰ 38	12 ⁰ 33	12 ⁰ 26	12 ⁰ 48	17 ⁰ 3	18 ⁰ 42	2 ⁰ 48	0 ⁰ 55	S 22
M 23	10 45 57	13 ⁰ 16'24	24 ⁰ 13	22 ⁰ 1	27 ⁰ 45	7 ⁰ 15	19 ⁰ 12	13 ⁰ 35	12 ⁰ 30	12 ⁰ 28	12 ⁰ 50	17 ⁰ 0	18 ⁰ 39	2 ⁰ 55	0 ⁰ 58	M 23
T 24	10 49 53	14 ⁰ 16'16	7 ⁰ 15	22 ⁰ D 1	28 ⁰ 59	7 ⁰ 0	19 ⁰ 10	13 ⁰ 31	12 ⁰ 28	12 ⁰ 30	12 ⁰ 52	16 ⁰ 58	18 ⁰ 36	3 ⁰ 1	1 ⁰ 1	T 24
W 25	10 53 50	15 ⁰ 16'06	21 ⁰ 6	22 ⁰ 6	0 ⁰ Y14	6 ⁰ 43	19 ⁰ 8	13 ⁰ 27	12 ⁰ 26	12 ⁰ 32	12 ⁰ 53	16 ⁰ D57	18 ⁰ 32	3 ⁰ 8	1 ⁰ 4	W 25
T 26	10 57 47	16 ⁰ 15'54	3 ⁰ 15	22 ⁰ 18	1 ⁰ 28	6 ⁰ 26	19 ⁰ 6	13 ⁰ 24	12 ⁰ 24	12 ⁰ 34	12 ⁰ 55	16 ⁰ 58	18 ⁰ 29	3 ⁰ 15	1 ⁰ 7	T 26
F 27	11 1 43	17 ⁰ 15'41	16 ⁰ 32	22 ⁰ 35	2 ⁰ 43	6 ⁰ 8	19 ⁰ 4	13 ⁰ 20	12 ⁰ 22	12 ⁰ 36	12 ⁰ 56	17 ⁰ 0	18 ⁰ 26	3 ⁰ 21	1 ⁰ 10	F 27
S 28	11 5 40	18 ⁰ 15'25	28 ⁰ 47	22 ⁰ 57	3 ⁰ 57	5 ⁰ 49	19 ⁰ 3	13 ⁰ 16	12 ⁰ 20	12 ⁰ 38	12 ⁰ 58	17 ⁰ 2	18 ⁰ 23	3 ⁰ 28	1 ⁰ 13	S 28
S 29	11 9 36	19 ⁰ 15'08	10 ⁰ 150	23 ⁰ 25	5 ⁰ Y12	5 ⁰ 130	19 ⁰ 2	13 ⁰ 12	12 ⁰ 18	12 ⁰ Y40	12 ⁰ 59	17 ⁰ Y 3	18 ⁰ Y20	3 ⁰ 35	1 ⁰ 16	S 29

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	lat
S 1	14s29	24s17	3s34	6s56	2n21	12s45	1s28	0s57	3n17	22n27	0n33	3s20	2n38	17n32	0n43	3n11	1s38	24s51	8s 1	7n19	7n46	28s21	10n39	0s55										
M 2	14 9	26 50	4 14	6 43	2 36	12 19	1 28	0 56	3 18	22 28	0 33	3 19	2 39	17 33	0 43	3 11	1 38	24 51	8 1	7 18	7 45	28 22	10 40	0 55										
T 3	13 49	28 11	4 43	6 34	2 50	11 52	1 28	0 55	3 19	22 29	0 33	3 18	2 39	17 34	0 43	3 12	1 38	24 50	8 1	7 16	7 44	28 22	10 41	0 55										
W 4	13 29	28 14	5 1	6 29	3 3	11 24	1 28	0 54	3 20	22 30	0 34	3 17	2 39	17 34	0 43	3 13	1 38	24 50	8 1	7 13	7 42	28 22	10 42	0 55										
T 5	13 9	26 58	5 5	6 30	3 15	10 57	1 27	0 52	3 21	22 30	0 34	3 16	2 39	17 35	0 43	3 13	1 38	24 50	8 1	7 10	7 41	28 22	10 42	0 55										
F 6	12 49	24 27	4 56	6 35	3 25	10 29	1 27	0 50	3 22	22 31	0 34	3 15	2 40	17 36	0 43	3 14	1 38	24 49	8 1	7 6	7 40	28 23	10 43	0 55										
S 7	12 28	20 47	4 33	6 45	3 33	10 0	1 27	0 48	3 23	22 32	0 34	3 14	2 40	17 36	0 43	3 15	1 38	24 49	8 1	7 2	7 39	28 23	10 44	0 55										
S 8	12 7	16 11	3 57	6 58	3 39	9 32	1 27	0 46	3 23	22 33	0 34	3 13	2 40	17 37	0 43	3 15	1 37	24 48	8 2	6 58	7 38	28 23	10 44	0 55										
M 9	11 46	10 49	3 8	7 16	3 43	9 3	1 26	0 43	3 24	22 34	0 34	3 12	2 40	17 38	0 43	3 16	1 37	24 48	8 2	6 55	7 36	28 23	10 45	0 55										
T 10	11 25	4 55	2 10	7 36	3 45	8 34	1 26	0 40	3 25	22 34	0 34	3 10	2 41	17 39	0 43	3 17	1 37	24 48	8 2	6 53	7 35	28 23	10 46	0 55										
W 11	11 3	1n16	1 3	7 59	3 44	8 5	1 25	0 37	3 26	22 35	0 34	3 9	2 41	17 39	0 43	3 18	1 37	24 47	8 2	6 52	7 34	28 24	10 47	0 55										
T 12	10 42	7 30	0n 7	8 24	3 42	7 35	1 24	0 34	3 27	22 36	0 34	3 8	2 41	17 40	0 43	3 18	1 37	24 47	8 2	6 52	7 33	28 24	10 48	0 55										
F 13	10 20	13 30	1 19	8 50	3 37	7 6	1 24	0 30	3 27	22 36	0 34	3 6	2 41	17 41	0 43	3 19	1 37	24 47	8 2	6 52	7 32	28 24	10 49	0 55										
S 14	9 58	18 57	2 27	9 16	3 30	6 36	1 23	0 26	3 28	22 37	0 34	3 5	2 42	17 41	0 43	3 20	1 37	24 46	8 2	6 53	7 30	28 24	10 49	0 55										
S 15	9 36	23 30	3 28	9 43	3 22	6 6	1 22	0 22	3 29	22 38	0 34	3 4	2 42	17 42	0 43	3 21	1 37	24 46	8 3	6 53	7 29	28 24	10 50	0 55										
M 16	9 14	26 46	4 18	10 10	3 12	5 36	1 21	0 17	3 29	22 38	0 34	3 2	2 42	17 43	0 43	3 21	1 37	24 45	8 3	6 53	7 28	28 24	10 51	0 56										
T 17	8 52	28 21	4 52	10 35	3 1	5 5	1 20	0 13	3 30	22 39	0 34	3 1	2 42	17 43	0 43	3 22	1 37	24 45	8 3	6 52	7 27	28 25	10 52	0 56										
W 18	8 29	28 3	5 9	11 0	2 49	4 35	1 19	0 8	3 30	22 39	0 34	3 0	2 42	17 44	0 43	3 23	1 37	24 45	8 3	6 51	7 26	28 25	10 53	0 56										
T 19	8 7	25 49	5 6	11 23	2 36	4 4	1 18	0 2	3 31	22 40	0 34	2 58	2 43	17 45	0 43	3 24	1 37	24 44	8 3	6 49	7 24	28 25	10 54	0 56										
F 20	7 44	21 54	4 43	11 44	2 23	3 34	1 17	0n 3	3 31	22 40	0 34	2 57	2 43	17 45	0 43	3 25	1 37	24 44	8 3	6 47	7 23	28 25	10 55	0 56										
S 21	7 21	16 42	4 2	12 4	2 9	3 3	1 16	0 9	3 31	22 41	0 34	2 55	2 43	17 46	0 43	3 25	1 37	24 44	8 3	6 45	7 22	28 25	10 56	0 56										
S 22	6 58	10 38	3 7	12 22	1 55	2 32	1 15	0 15	3 31	22 41	0 34	2 54	2 43	17 46	0 43	3 26	1 37	24 43	8 4	6 43	7 21	28 25	10 57	0 56										
M 23	6 35	4 9	2 1	12 37	1 41	2 1	1 13	0 21	3 32	22 41	0 34	2 52	2 43	17 47	0 43	3 27	1 37	24 43	8 4	6 42	7 19	28 25	10 58	0 56										
T 24	6 12	2s22	0 50	12 51	1 27	1 30	1 12	0 27	3 32	22 42	0 34	2 50	2 43	17 48	0 43	3 28	1 37	24 43	8 4	6 41	7 18	28 25	10 59	0 56										
W 25	5 49	8 36	0s23	13 2	1 12	0 59	1 10	0 34	3 32	22 42	0 34	2 49	2 44	17 48	0 43	3 29	1 37	24 43	8 4	6 41	7 17	28 25	11 0	0 56										
T 26	5 26	14 19	1 32	13 11	0 59	0 28	1 9	0 41	3 32	22 42	0 34	2 47	2 44	17 49	0 43	3 29	1 37	24 42	8 4	6 41	7 16	28 26	11 1	0 56										
F 27	5 3	19 17	2 35	13 19	0 45	0n 3	1 7	0 48	3 31	22 42	0 34	2 45	2 44	17 49	0 43	3 30	1 37	24 42	8 4	6 42	7 15	28 26	11 2	0 56										
S 28	4 39	23 20	3 29	13 24	0 32	0 34	1 6	0 55	3 31	22 43	0 34	2 44	2 44	17 50	0 43	3 31	1 37	24 42	8 5	6 42	7 13	28 26	11 3	0 56										
S 29	4s16	26s18	4s13	13s27	0n19	1n 5	1s 4	1n 2	3n31	22n43	0n34	2s42	2n44	17n50	0n43	3n32	1s37	24s41	8s 5	6n43	7n12	28s26	11n 4	0s56										

ASTRODIENST EPHEMERIS for the year 1540
geocentric

MARCH 1540 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	11 13 33	20 ^h 14'50	22 ^h 45	23 ^h 56	6 ^h 26	5 ^h R11	19 ^h R 1	13 ^h R 8	12 ^h R16	12 ^h Y43	13 ^h ≈ 1	17 ^h R 3	18 ^h Y16	3 ^h 42	1 ^h 19	M 1
T 2	11 17 29	21 ^h 14'29	4 ^h 37	24 ^h 33	7 ^h 40	4 ^h 50	19 ^h 0	13 ^h 4	12 ^h Q14	12 ^h 45	13 ^h 2	17 ^h Y 2	18 ^h 13	3 ^h 48	1 ^h 23	T 2
W 3	11 21 26	22 ^h 14'07	16 ^h 31	25 ^h 13	8 ^h 55	4 ^h 30	19 ^h 0	13 ^h 0	12 ^h 13	12 ^h 47	13 ^h 4	17 ^h 0	18 ^h 10	3 ^h 55	1 ^h 26	W 3
T 4	11 25 22	23 ^h 13'43	28 ^h 31	25 ^h 57	10 ^h 9	4 ^h 9	18 ^h 59	12 ^h 55	12 ^h 11	12 ^h 49	13 ^h 5	16 ^h 57	18 ^h 7	4 ^h 2	1 ^h 29	T 4
F 5	11 29 19	24 ^h 13'17	10 ^h 41	26 ^h 44	11 ^h 23	3 ^h 47	18 ^h 59	12 ^h 51	12 ^h 9	12 ^h 51	13 ^h 7	16 ^h 54	18 ^h 4	4 ^h 8	1 ^h 33	F 5
S 6	11 33 16	25 ^h 12'49	23 ^h 3	27 ^h 35	12 ^h 37	3 ^h 25	18 ^h D59	12 ^h 47	12 ^h 7	12 ^h 53	13 ^h 8	16 ^h 50	18 ^h 1	4 ^h 15	1 ^h 36	S 6
S 7	11 37 12	26 ^h 12'20	5 ^h 40	28 ^h 29	13 ^h 52	3 ^h 3	18 ^h 59	12 ^h 43	12 ^h 6	12 ^h 56	13 ^h 10	16 ^h 47	17 ^h 57	4 ^h 22	1 ^h 40	S 7
M 8	11 41 9	27 ^h 11'48	18 ^h 33	29 ^h 26	15 ^h 6	2 ^h 41	19 ^h 0	12 ^h 38	12 ^h 4	12 ^h 58	13 ^h 11	16 ^h 44	17 ^h 54	4 ^h 29	1 ^h 43	M 8
T 9	11 45 5	28 ^h 11'14	1 ^h Y41	0 ^h X26	16 ^h 20	2 ^h 18	19 ^h 0	12 ^h 34	12 ^h 2	13 ^h 0	13 ^h 12	16 ^h 43	17 ^h 51	4 ^h 35	1 ^h 47	T 9
W10	11 49 2	29 ^h 10'39	15 ^h 4	1 ^h 28	17 ^h 34	1 ^h 55	19 ^h 1	12 ^h 29	12 ^h 1	13 ^h 2	13 ^h 14	16 ^h D42	17 ^h 48	4 ^h 42	1 ^h 50	W10
T 11	11 52 58	0 ^h Y10'01	28 ^h 41	2 ^h 33	18 ^h 48	1 ^h 32	19 ^h 2	12 ^h 25	11 ^h 59	13 ^h 4	13 ^h 15	16 ^h 42	17 ^h 45	4 ^h 49	1 ^h 54	T 11
F 12	11 56 55	1 ^h 9'21	12 ^h 29	3 ^h 41	20 ^h 2	1 ^h 9	19 ^h 3	12 ^h 21	11 ^h 58	13 ^h 7	13 ^h 16	16 ^h 43	17 ^h 42	4 ^h 56	1 ^h 57	F 12
S 13	12 0 51	2 ^h 8'38	26 ^h 26	4 ^h 50	21 ^h 16	0 ^h 45	19 ^h 4	12 ^h 16	11 ^h 57	13 ^h 9	13 ^h 18	16 ^h 45	17 ^h 38	5 ^h 2	2 ^h 1	S 13
S 14	12 4 48	3 ^h 7'54	10 ^h II30	6 ^h 2	22 ^h 30	0 ^h 22	19 ^h 6	12 ^h 11	11 ^h 55	13 ^h 11	13 ^h 19	16 ^h 46	17 ^h 35	5 ^h 9	2 ^h 5	S 14
M15	12 8 44	4 ^h 7'07	24 ^h 40	7 ^h 16	23 ^h 44	29 ^h 59	19 ^h 8	12 ^h 7	11 ^h 54	13 ^h 13	13 ^h 20	16 ^h 46	17 ^h 32	5 ^h 16	2 ^h 8	M15
T 16	12 12 41	5 ^h 6'18	8 ^h 52	8 ^h 32	24 ^h 58	29 ^h 35	19 ^h 10	12 ^h 2	11 ^h 53	13 ^h 16	13 ^h 21	16 ^h R46	17 ^h 29	5 ^h 22	2 ^h 12	T 16
W17	12 16 38	6 ^h 5'26	23 ^h 5	9 ^h 50	26 ^h 12	29 ^h 12	19 ^h 12	11 ^h 58	11 ^h 51	13 ^h 18	13 ^h 23	16 ^h 46	17 ^h 26	5 ^h 29	2 ^h 16	W17
T 18	12 20 34	7 ^h 4'32	7 ^h Q16	11 ^h 10	27 ^h 26	28 ^h 49	19 ^h 14	11 ^h 53	11 ^h 50	13 ^h 20	13 ^h 24	16 ^h 45	17 ^h 22	5 ^h 36	2 ^h 20	T 18
F 19	12 24 31	8 ^h 3'36	21 ^h 23	12 ^h 31	28 ^h 39	28 ^h 27	19 ^h 16	11 ^h 49	11 ^h 49	13 ^h 22	13 ^h 25	16 ^h 44	17 ^h 19	5 ^h 43	2 ^h 23	F 19
S 20	12 28 27	9 ^h 2'37	5 ^h 722	13 ^h 55	29 ^h 53	28 ^h 4	19 ^h 19	11 ^h 44	11 ^h 48	13 ^h 25	13 ^h 26	16 ^h 43	17 ^h 16	5 ^h 49	2 ^h 27	S 20
S 21	12 32 24	10 ^h 1'36	19 ^h 10	15 ^h 20	1 ^h 8 7	27 ^h 42	19 ^h 22	11 ^h 39	11 ^h 47	13 ^h 27	13 ^h 27	16 ^h 42	17 ^h 13	5 ^h 56	2 ^h 31	S 21
M22	12 36 20	11 ^h 0'33	2 ^h 44	16 ^h 46	2 ^h 21	27 ^h 20	19 ^h 25	11 ^h 35	11 ^h 46	13 ^h 29	13 ^h 28	16 ^h 42	17 ^h 10	6 ^h 3	2 ^h 35	M22
T 23	12 40 17	11 ^h 59'27	16 ^h 3	18 ^h 15	3 ^h 34	26 ^h 59	19 ^h 28	11 ^h 30	11 ^h 45	13 ^h 31	13 ^h 29	16 ^h D42	17 ^h 7	6 ^h 9	2 ^h 39	T 23
W24	12 44 13	12 ^h 58'20	29 ^h 5	19 ^h 45	4 ^h 48	26 ^h 37	19 ^h 31	11 ^h 25	11 ^h 44	13 ^h 34	13 ^h 30	16 ^h 42	17 ^h 3	6 ^h 16	2 ^h 43	W24
T 25	12 48 10	13 ^h 57'11	11 ^h 15	21 ^h 17	6 ^h 1	26 ^h 17	19 ^h 35	11 ^h 21	11 ^h 43	13 ^h 36	13 ^h 32	16 ^h 42	17 ^h 0	6 ^h 23	2 ^h 46	T 25
F 26	12 52 7	14 ^h 56'00	24 ^h 20	22 ^h 50	7 ^h 15	25 ^h 57	19 ^h 39	11 ^h 16	11 ^h 43	13 ^h 38	13 ^h 33	16 ^h 42	16 ^h 57	6 ^h 30	2 ^h 50	F 26
S 27	12 56 3	15 ^h 54'47	6 ^h 135	24 ^h 25	8 ^h 28	25 ^h 37	19 ^h 42	11 ^h 12	11 ^h 42	13 ^h 40	13 ^h 34	16 ^h 42	16 ^h 54	6 ^h 36	2 ^h 54	S 27
S 28	13 0 0	16 ^h 53'33	18 ^h 39	26 ^h 2	9 ^h 42	25 ^h 18	19 ^h 46	11 ^h 7	11 ^h 41	13 ^h 43	13 ^h 35	16 ^h R42	16 ^h 51	6 ^h 43	2 ^h 58	S 28
M29	13 3 56	17 ^h 52'16	0 ^h 36	27 ^h 40	10 ^h 55	24 ^h 59	19 ^h 51	11 ^h 2	11 ^h 41	13 ^h 45	13 ^h 35	16 ^h 42	16 ^h 48	6 ^h 50	3 ^h 2	M29
T 30	13 7 53	18 ^h 50'58	12 ^h 29	29 ^h 20	12 ^h 9	24 ^h 41	19 ^h 55	10 ^h 58	11 ^h 40	13 ^h 47	13 ^h 36	16 ^h 42	16 ^h 44	6 ^h 56	3 ^h 6	T 30
W31	13 11 49	19 ^h Y49'39	24 ^h 323	1 ^h Y 1	13 ^h 822	24 ^h 724	20 ^h 0	10 ^h 53	11 ^h 40	13 ^h Y50	13 ^h ≈37	16 ^h D42	16 ^h Y41	7 ^h 3 3	3 ^h 810	W31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	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	decl	lat	decl	lat
M 1	3s52	28s 4	4s46	13s29	0n 6	1n36	1s 2	1n10	3n31	22n43	0n34	2s40	2n44	17n51	0n43	3n33	1s37	24s41	8s 5	6n43	7n11	28s26	11n 5	0s56									
T 2	3 29	28 31	5 6	13 28	0s 6	2 7	1 1	1 17	3 30	22 43	0 34	2 39	2 45	17 51	0 43	3 34	1 37	24 41	8 5	6 43	7 10	28 26	11 6	0 56									
W 3	3 5	27 40	5 14	13 25	0 17	2 38	0 59	1 25	3 30	22 43	0 34	2 37	2 45	17 52	0 43	3 34	1 37	24 41	8 5	6 42	7 9	28 26	11 7	0 56									
T 4	2 42	25 31	5 7	13 21	0 29	3 9	0 57	1 33	3 29	22 43	0 34	2 35	2 45	17 52	0 43	3 35	1 37	24 40	8 6	6 41	7 7	28 26	11 9	0 56									
F 5	2 18	22 12	4 47	13 15	0 39	3 40	0 55	1 41	3 28	22 43	0 34	2 33	2 45	17 53	0 43	3 36	1 37	24 40	8 6	6 39	7 6	28 26	11 10	0 56									
S 6	1 54	17 51	4 14	13 7	0 49	4 11	0 53	1 48	3 27	22 43	0 34	2 32	2 45	17 53	0 43	3 37	1 37	24 40	8 6	6 38	7 5	28 26	11 11	0 56									
S 7	1 31	12 40	3 27	12 57	0 59	4 42	0 51	1 57	3 27	22 43	0 34	2 30	2 45	17 54	0 43	3 38	1 37	24 40	8 6	6 37	7 4	28 26	11 12	0 56									
M 8	1 7	6 49	2 29	12 46	1 8	5 12	0 49	2 5	3 26	22 43	0 34	2 28	2 45	17 54	0 43	3 39	1 37	24 39	8 6	6 36	7 3	28 26	11 13	0 56									
T 9	0 43	0 35	1 22	12 33	1 17	5 43	0 47	2 13	3 25	22 43	0 34	2 26	2 45	17 55	0 43	3 40	1 37	24 39	8 7	6 35	7 1	28 26	11 14	0 57									
W10	0 20	5n49	0 9	12 18	1 25	6 13	0 45	2 21	3 23	22 43	0 35	2 25	2 45	17 55	0 43	3 41	1 37	24 39	8 7	6 35	7 0	28 26	11 16	0 57									
T 11	0n 4	12 3	1n 6	12 2	1 33	6 44	0 43	2 29	3 22	22 43	0 35	2 23	2 46	17 55	0 43	3 41	1 37	24 39	8 7	6 35	6 59	28 26	11 17	0 57									
F 12	0 28	17 48	2 18	11 45	1 40	7 14	0 40	2 37	3 21	22 43	0 35	2 21	2 46	17 56	0 43	3 42	1 37	24 39	8 7	6 35	6 58	28 25	11 18	0 57									
S 13	0 51	22 41	3 22	11 25	1 47	7 44	0 38	2 45	3 19	22 43	0 35	2 19	2 46	17 56	0 43	3 43	1 37	24 39	8 8	6 36	6 56	28 25	11 19	0 57									
S 14	1 15	26 17	4 15	11 5	1 54	8 13	0 36	2 53	3 18	22 42	0 35	2 17	2 46	17 57	0 43	3 44	1 37	24 38	8 8	6 36	6 55	28 25	11 20	0 57									
M15	1 38	28 16	4 53	10 43	1 59	8 43	0 33	3 1	3 16	22 42	0 35	2 15	2 46	17 57	0 43	3 45	1 37	24 38	8 8	6 36	6 54	28 25	11 22	0 57									
T 16	2 2	28 25	5 13	10 19	2 5	9 12	0 31	3 8	3 15	22 42	0 35	2 14	2 46	17 57	0 43	3 46	1 37	24 38	8 8	6 36	6 53	28 25	11 23	0 57									
W17	2 26	26 41	5 14	9 54	2 9	9 42	0 29	3 16	3 13	22 42	0 35	2 12	2 46	17 57	0 42	3 47	1 37	24 38	8 8	6 36	6 52	28 25	11 24	0 57									
T 18	2 49	23 16	4 56	9 27	2 14	10 11	0 26	3 23	3 11	22 41	0 35	2 10	2 46	17 58	0 42	3 48	1 37	24 38	8 9	6 36	6 50	28 25	11 25	0 57									
F 19	3 12	18 31	4 20	9 0	2 17	10 39	0 24	3 31	3 9	22 41	0 35	2 8	2 46	17 58	0 42	3 48	1 37	24 38	8 9	6 36	6 49	28 25	11 26	0 57									
S 20	3 36	12 49	3 29	8 31	2 21	11 8	0 21	3 38	3 7	22 41	0 35	2 6	2 46	17 58	0 42	3 49	1 37	24 38	8 9	6 35	6 48	28 25	11 28	0 57									
S 21	3 59	6 33	2 27	8 0	2 24	11 36	0 19	3 45	3 5	22 40	0 35	2 4	2 46	17 59	0 42	3 50	1 37	24 37	8 9	6 35	6 47	28 25	11 29	0 57									
M22	4 22	0 5	1 17	7 28	2 26	12 4	0 16	3 52	3 3	22 40	0 35	2 3	2 46	17 59	0 42	3 51	1 37	24 37	8 10	6 35	6 45	28 24	11 30	0 57									
T 23	4 45	6s17	0 4	6 55	2 28	12 32	0 14	3 58	3 1	22 39	0 35	2 1	2 46	17 59	0 42	3 52	1 37	24 37	8 10	6 35	6 44	28 24	11 31	0 57									
W24	5 8	12 14	1s 8	6 21	2 29	12 59	0 11	4 5	2 59	22 39	0 35	1 59	2 46	17 59	0 42	3 53	1 37	24 37	8 10	6 35	6 43	28 24	11 33	0 57									
T 25	5 31	17 34	2 15	5 46	2 30	13 26	0 8	4 11	2 57	22 38	0 35	1 57	2 46	18 0	0 42	3 54	1 37	24 37	8 10	6 35	6 42	28 24	11 34	0 57									
F 26	5 54	22 2	3 14	5 9	2 30	13 53	0 6	4 17	2 54	22 38	0 35	1 55	2 46	18 0	0 42	3 55	1 37	24 37	8 11	6 35	6 41	28 24	11 35	0 58									
S 27	6 17	25 27	4 3	4 31	2 30	14 19	0 3	4 23	2 52	22 37	0 35	1 54	2 46	18 0	0 42	3 55	1 37	24 37	8 11	6 35	6 39	28 24	11 37	0 58									
S 28	6 39	27 40	4 40	3 52	2 29	14 45	0 0	4 28	2 49	22 37	0 35	1 52	2 46	18 0	0 42	3 56	1 37	24 37	8 11	6 35	6 38	28 23	11 38	0 58									
M29	7 2	28 34	5 4	3 11	2 28	15 11	0n 2	4 33	2 47	22 36	0 35	1 50	2 46	18 0	0 42	3 57	1 37	24 37	8 11	6 35	6 37	28 23	11 39	0 58									
T 30	7 24	28 9	5 16	2 30	2 26	15 36	0 5	4 38	2 45	22 35	0 35	1 48	2 46	18 0	0 42	3 58	1 37	24 37	8 12	6 35	6 36	28 23	11 40	0 58									
W31	7n46	26s27	5s14	1s48	2s24	16n 1	0n 8	4n43	2n42	22n35	0n35	1s46	2n46	18n 0	0n42	3n59	1s37	24s37	8s12	6n35	6n34	28s23	11n42	0s58									

ASTRODIENST EPHEMERIS for the year 1540

geocentric

APRIL 1540 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 15 46	20°48'17"	6°24'	2°44'	14°35'	24°R 7	20°4	10°R49	11°R39	13°V52	13°38'	16°V42	16°V38	7°B10	3°B14	T 1
F 2	13 19 42	21°46'54"	18°34'	4°28'	15°48'	23°M51	20° 9	10°A44	11°B39	13°54'	13°39'	16°43'	16°35'	7°17'	3°18'	F 2
S 3	13 23 39	22°45'29"	0°H59	6°15'	17° 2	23°35'	20°14'	10°40'	11°38'	13°56'	13°40'	16°43'	16°32'	7°23'	3°22'	S 3
S 4	13 27 36	23°44'02"	13°42'	8° 3	18°15'	23°21'	20°19'	10°35'	11°38'	13°59'	13°41'	16°44'	16°28'	7°30'	3°26'	S 4
M 5	13 31 32	24°42'34"	26°44'	9°52'	19°28'	23° 7	20°25'	10°31'	11°38'	14° 1	13°42'	16°45'	16°25'	7°37'	3°30'	M 5
T 6	13 35 29	25°41'03"	10°V 8	11°43'	20°41'	22°53'	20°30'	10°26'	11°38'	14° 3	13°42'	16°R45'	16°22'	7°44'	3°34'	T 6
W 7	13 39 25	26°39'31"	23°52'	13°36'	21°54'	22°41'	20°36'	10°22'	11°37'	14° 5	13°43'	16°45'	16°19'	7°50'	3°38'	W 7
T 8	13 43 22	27°37'57"	7°B54	15°30'	23° 7	22°29'	20°42'	10°18'	11°37'	14° 7	13°44'	16°45'	16°16'	7°57'	3°42'	T 8
F 9	13 47 18	28°36'22"	22°10'	17°26'	24°20'	22°18'	20°48'	10°13'	11°D37	14°10'	13°44'	16°43'	16°13'	8° 4	3°46'	F 9
S 10	13 51 15	29°34'44"	6°II35	19°24'	25°33'	22° 8	20°54'	10° 9	11°37'	14°12'	13°45'	16°42'	16° 9	8°10'	3°50'	S 10
S 11	13 55 11	0°B33'04"	21° 4	21°23'	26°46'	21°59'	21° 0	10° 5	11°37'	14°14'	13°46'	16°40'	16° 6	8°17'	3°55'	S 11
M12	13 59 8	1°31'23"	5°B32	23°24'	27°59'	21°50'	21° 6	10° 1	11°38'	14°16'	13°46'	16°39'	16° 3	8°24'	3°59'	M12
T 13	14 3 5	2°29'39"	19°53'	25°26'	29°12'	21°43'	21°13'	9°57'	11°38'	14°18'	13°47'	16°38'	16° 0	8°31'	4° 3	T 13
W14	14 7 1	3°27'53"	4°B 5	27°30'	0°II24	21°36'	21°20'	9°53'	11°38'	14°21'	13°47'	16°D37	15°57'	8°37'	4° 7	W14
T 15	14 10 58	4°26'05"	18° 6	29°35'	1°37'	21°30'	21°27'	9°49'	11°38'	14°23'	13°48'	16°38'	15°53'	8°44'	4°11'	T 15
F 16	14 14 54	5°24'15"	1°M54	1°B42	2°50'	21°24'	21°34'	9°45'	11°39'	14°25'	13°49'	16°39'	15°50'	8°51'	4°15'	F 16
S 17	14 18 51	6°22'23"	15°29'	3°49'	4° 2	21°20'	21°41'	9°41'	11°39'	14°27'	13°49'	16°40'	15°47'	8°57'	4°19'	S 17
S 18	14 22 47	7°20'28"	28°51'	5°58'	5°15'	21°16'	21°48'	9°37'	11°39'	14°29'	13°49'	16°42'	15°44'	9° 4	4°23'	S 18
M19	14 26 44	8°18'32"	12°A 0	8° 7	6°27'	21°13'	21°55'	9°33'	11°40'	14°31'	13°50'	16°R42'	15°41'	9°11'	4°27'	M19
T 20	14 30 40	9°16'35"	24°56'	10°17'	7°40'	21°11'	22° 3	9°30'	11°40'	14°33'	13°50'	16°42'	15°38'	9°18'	4°31'	T 20
W21	14 34 37	10°14'35"	7°M39	12°27'	8°52'	21° 9	22°10'	9°26'	11°41'	14°36'	13°51'	16°41'	15°34'	9°24'	4°35'	W21
T 22	14 38 34	11°12'34"	20°11'	14°37'	10° 4	21°D 9	22°18'	9°22'	11°42'	14°38'	13°51'	16°38'	15°31'	9°31'	4°39'	T 22
F 23	14 42 30	12°10'31"	2°A31	16°47'	11°17'	21° 9	22°26'	9°19'	11°42'	14°40'	13°51'	16°35'	15°28'	9°38'	4°43'	F 23
S 24	14 46 27	13° 8'27"	14°41'	18°57'	12°29'	21°10'	22°34'	9°15'	11°43'	14°42'	13°52'	16°30'	15°25'	9°45'	4°47'	S 24
S 25	14 50 23	14° 6'22"	26°42'	21° 6	13°41'	21°11'	22°42'	9°12'	11°44'	14°44'	13°52'	16°26'	15°22'	9°51'	4°52'	S 25
M26	14 54 20	15° 4'15"	8°B38	23°14'	14°53'	21°14'	22°50'	9° 9	11°45'	14°46'	13°52'	16°22'	15°19'	9°58'	4°56'	M26
T 27	14 58 16	16° 2'07"	20°31'	25°20'	16° 5	21°17'	22°59'	9° 5	11°46'	14°48'	13°52'	16°18'	15°15'	10° 5	5° 0	T 27
W28	15 2 13	16°59'57"	2°A25	27°25'	17°17'	21°21'	23° 7	9° 2	11°47'	14°50'	13°53'	16°16'	15°12'	10°11'	5° 4	W28
T 29	15 6 9	17°57'46"	14°23'	29°29'	18°29'	21°25'	23°16'	8°59'	11°48'	14°52'	13°53'	16°D14	15° 9	10°18'	5° 8	T 29
F 30	15 10 6	18°55'34"	26°A32	1°II30	19°II41	21°M30	23°E25	8°A56	11°E49	14°V54	13°A53	16°V15	15°V 6	10°E25	5°B12	F 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	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
T 1	8n 9	23s32	4s58	1s 4	2s21	16n25	0n11	4n47	2n39	22n34	0n35	1s45	2n46	18n 1	0n42	4n 0	1s37	24s37	8s12	6n35	6n33	28s23	11n43	0s58			
F 2	8 31	19 34	4 29	0 19	2 18	16 50	0 13	4 51	2 37	22 33	0 35	1 43	2 46	18 1	0 42	4 1	1 37	24 37	8 12	6 35	6 32	28 22	11 44	0 58			
S 3	8 52	14 41	3 47	0n26	2 14	17 13	0 16	4 55	2 34	22 32	0 35	1 41	2 46	18 1	0 42	4 2	1 37	24 37	8 13	6 35	6 31	28 22	11 46	0 58			
S 4	9 14	9 5	2 53	1 13	2 10	17 37	0 19	4 58	2 32	22 32	0 35	1 40	2 46	18 1	0 42	4 2	1 37	24 37	8 13	6 36	6 30	28 22	11 47	0 58			
M 5	9 36	2 58	1 49	2 0	2 5	17 59	0 22	5 1	2 29	22 31	0 35	1 38	2 46	18 1	0 42	4 3	1 37	24 37	8 13	6 36	6 28	28 22	11 48	0 58			
T 6	9 57	3n28	0 37	2 49	1 59	18 22	0 24	5 4	2 26	22 30	0 35	1 36	2 46	18 1	0 42	4 4	1 37	24 37	8 14	6 36	6 27	28 21	11 49	0 58			
W 7	10 18	9 53	0n39	3 38	1 53	18 44	0 27	5 6	2 24	22 29	0 35	1 35	2 46	18 1	0 42	4 5	1 37	24 37	8 14	6 36	6 26	28 21	11 51	0 58			
T 8	10 40	15 59	1 54	4 28	1 47	19 5	0 30	5 9	2 21	22 28	0 35	1 33	2 46	18 1	0 42	4 6	1 37	24 37	8 14	6 36	6 25	28 21	11 52	0 58			
F 9	11 0	21 19	3 3	5 19	1 40	19 26	0 33	5 10	2 18	22 27	0 35	1 31	2 46	18 1	0 42	4 7	1 37	24 37	8 14	6 35	6 23	28 20	11 53	0 59			
S 10	11 21	25 26	4 2	6 11	1 33	19 46	0 35	5 12	2 15	22 26	0 35	1 30	2 45	18 1	0 42	4 7	1 37	24 37	8 15	6 35	6 22	28 20	11 55	0 59			
S 11	11 42	27 56	4 45	7 3	1 25	20 6	0 38	5 13	2 13	22 25	0 35	1 28	2 45	18 1	0 42	4 8	1 37	24 37	8 15	6 34	6 21	28 20	11 56	0 59			
M12	12 2	28 33	5 10	7 55	1 17	20 25	0 41	5 14	2 10	22 24	0 35	1 27	2 45	18 1	0 42	4 9	1 37	24 37	8 15	6 34	6 20	28 19	11 57	0 59			
T 13	12 22	27 13	5 15	8 48	1 8	20 44	0 44	5 15	2 7	22 23	0 35	1 25	2 45	18 1	0 42	4 10	1 37	24 37	8 15	6 33	6 19	28 19	11 59	0 59			
W14	12 42	24 9	5 1	9 41	0 59	21 2	0 46	5 15	2 5	22 22	0 35	1 24	2 45	18 0	0 42	4 11	1 37	24 37	8 16	6 33	6 17	28 19	12 0	0 59			
T 15	13 2	19 43	4 29	10 35	0 50	21 20	0 49	5 15	2 2	22 21	0 35	1 22	2 45	18 0	0 42	4 12	1 37	24 38	8 16	6 33	6 16	28 18	12 1	0 59			
F 16	13 21	14 17	3 42	11 28	0 40	21 37	0 52	5 15	1 59	22 20	0 35	1 21	2 45	18 0	0 42	4 12	1 37	24 38	8 16	6 34	6 15	28 18	12 2	0 59			
S 17	13 41	8 15	2 44	12 21	0 30	21 54	0 54	5 14	1 57	22 19	0 35	1 19	2 45	18 0	0 42	4 13	1 37	24 38	8 17	6 34	6 14	28 18	12 4	0 59			
S 18	14 0	1 56	1 37	13 14	0 20	22 10	0 57	5 13	1 54	22 18	0 35	1 18	2 45	18 0	0 41	4 14	1 37	24 38	8 17	6 35	6 12	28 17	12 5	0 59			
M19	14 19	4s21	0 26	14 6	0 9	22 25	0 59	5 12	1 51	22 17	0 35	1 17	2 44	18 0	0 41	4 15	1 37	24 38	8 17	6 35	6 11	28 17	12 6	0 59			
T 20	14 37	10 23	0s45	14 57	0n 1	22 40	1 2	5 10	1 49	22 16	0 35	1 15	2 44	18 0	0 41	4 16	1 37	24 38	8 17	6 35	6 10	28 17	12 8	0 59			
W21	14 56	15 52	1 53	15 48	0 12	22 54	1 4	5 8	1 46	22 14	0 35	1 14	2 44	17 59	0 41	4 16	1 37	24 38	8 18	6 34	6 9	28 16	12 9	1 0			
T 22	15 14	20 37	2 53	16 37	0 22	23 7	1 7	5 6	1 43	22 13	0 35	1 13	2 44	17 59	0 41	4 17	1 37	24 39	8 18	6 33	6 8	28 16	12 10	1 0			
F 23	15 32	24 24	3 45	17 25	0 33	23 20	1 9	5 4	1 41	22 12	0 35	1 11	2 44	17 59	0 41	4 18	1 37	24 39	8 18	6 32	6 6	28 15	12 11	1 0			
S 24	15 49	27 1	4 26	18 12	0 43	23 32	1 12	5 1	1 38	22 10	0 35	1 10	2 44	17 59	0 41	4 19	1 37	24 39	8 19	6 30	6 5	28 15	12 13	1 0			
S 25	16 7	28 22	4 54	18 56	0 53	23 44	1 14	4 58	1 36	22 9	0 35	1 9	2 44	17 58	0 41	4 19	1 37	24 39	8 19	6 29	6 4	28 14	12 14	1 0			
M26	16 24	28 22	5 10	19 39	1 3	23 55	1 17	4 55	1 33	22 8	0 35	1 8	2 43	17 58	0 41	4 20	1 37	24 39	8 19	6 27	6 3	28 14	12 15	1 0			
T 27	16 41	27 4	5 12	20 19	1 12	24 5	1 19	4 51	1 31	22 6	0 35	1 7	2 43	17 58	0 41	4 21	1 37	24 39	8 19	6 26	6 1	28 14	12 17	1 0			
W28	16 57	24 32	5 0	20 57	1 21	24 14	1 21	4 47	1 28	22 5	0 35	1 6	2 43	17 57	0 41	4 22	1 37	24 40	8 20	6 25	6 0	28 13	12 18	1 0			
T 29	17 14	20 57	4 36	21 33	1 30	24 23	1 24	4 43	1 26	22 3	0 35	1 5	2 43	17 57	0 41	4 22	1 37	24 40	8 20	6 24	5 59	28 13	12 19	1 0			
F 30	17n30	16s26	3s59	22n 6	1n38	24n31	1n26	4n39	1n23	22n 2	0n35	1s 4	2n43	17n57	0n41	4n23	1s37	24s40	8s20	6n24	5n58	28s12	12n20	1s			

ASTRODIENST EPHEMERIS for the year 1540

geocentric

MAY 1540 JC

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	15 14 3	19°53'21	8°55	3°28	20°53	21°36	23°33	8°R53	11°50	14°56	13°53	16°16	15°3	10°32	5°16	S 1
S 2	15 17 59	20°51'07	21°37	5°25	22° 5	21°43	23°42	8°50	11°51	14°58	13°53	16°17	14°59	10°38	5°20	S 2
M 3	15 21 56	21°48'51	4°42	7°19	23°17	21°50	23°51	8°48	11°53	15° 0	13°53	16°19	14°56	10°45	5°24	M 3
T 4	15 25 52	22°46'35	18°12	9°10	24°29	21°58	24° 1	8°45	11°54	15° 1	13°53	16°R19	14°53	10°52	5°28	T 4
W 5	15 29 49	23°44'17	2°8	10°58	25°40	22° 7	24°10	8°42	11°55	15° 3	13°R53	16°18	14°50	10°59	5°31	W 5
T 6	15 33 45	24°41'58	16°27	12°43	26°52	22°16	24°19	8°40	11°57	15° 5	13°53	16°15	14°47	11° 5	5°35	T 6
F 7	15 37 42	25°39'38	1°11	14°26	28° 4	22°26	24°29	8°37	11°58	15° 7	13°53	16°11	14°44	11°12	5°39	F 7
S 8	15 41 38	26°37'17	15°57	16° 5	29°15	22°36	24°38	8°35	11°59	15° 9	13°53	16° 5	14°40	11°19	5°43	S 8
S 9	15 45 35	27°34'54	0°52	17°42	0°52	22°47	24°48	8°33	12° 1	15°11	13°53	15°59	14°37	11°25	5°47	S 9
M10	15 49 32	28°32'30	15°43	19°15	1°38	22°59	24°58	8°31	12° 3	15°12	13°53	15°54	14°34	11°32	5°51	M10
T 11	15 53 28	29°30'05	0°22	20°45	2°49	23°11	25° 8	8°29	12° 4	15°14	13°53	15°49	14°31	11°39	5°55	T 11
W12	15 57 25	0°11'27	14°44	22°12	4° 1	23°24	25°18	8°27	12° 6	15°16	13°53	15°46	14°28	11°46	5°59	W12
T 13	16 1 21	1°25'10	28°46	23°36	5°12	23°37	25°28	8°25	12° 8	15°18	13°52	15°D45	14°25	11°52	6° 2	T 13
F 14	16 5 18	2°22'40	12°17	24°56	6°23	23°51	25°38	8°23	12° 9	15°19	13°52	15°45	14°21	11°59	6° 6	F 14
S 15	16 9 14	3°20'09	25°49	26°13	7°34	24° 6	25°48	8°21	12°11	15°21	13°52	15°47	14°18	12° 6	6°10	S 15
S 16	16 13 11	4°17'36	8°53	27°27	8°45	24°21	25°58	8°20	12°13	15°23	13°52	15°48	14°15	12°12	6°14	S 16
M17	16 17 7	5°15'02	21°42	28°37	9°56	24°36	26° 9	8°18	12°15	15°24	13°51	15°R48	14°12	12°19	6°17	M17
T 18	16 21 4	6°12'27	4°19	29°44	11° 7	24°52	26°19	8°17	12°17	15°26	13°51	15°46	14° 9	12°26	6°21	T 18
W19	16 25 1	7° 9'51	16°45	0°54	12°17	25° 9	26°30	8°15	12°19	15°27	13°51	15°42	14° 5	12°33	6°25	W19
T 20	16 28 57	8° 7'14	29° 2	1°47	13°28	25°26	26°41	8°14	12°21	15°29	13°50	15°36	14° 2	12°39	6°28	T 20
F 21	16 32 54	9° 4'37	11°11	2°43	14°39	25°44	26°51	8°13	12°23	15°30	13°50	15°27	13°59	12°46	6°32	F 21
S 22	16 36 50	10° 1'58	23°14	3°35	15°49	26° 2	27° 2	8°12	12°25	15°32	13°50	15°18	13°56	12°53	6°35	S 22
S 23	16 40 47	10°59'19	5°11	4°23	17° 0	26°20	27°13	8°11	12°27	15°33	13°49	15° 7	13°53	13° 0	6°39	S 23
M24	16 44 43	11°56'39	17° 4	5° 8	18°10	26°39	27°24	8°10	12°30	15°35	13°49	14°57	13°50	13° 6	6°43	M24
T 25	16 48 40	12°53'58	28°56	5°48	19°21	26°58	27°35	8° 9	12°32	15°36	13°48	14°48	13°46	13°13	6°46	T 25
W26	16 52 37	13°51'17	10°49	6°24	20°31	27°18	27°46	8° 9	12°34	15°38	13°48	14°41	13°43	13°20	6°50	W26
T 27	16 56 33	14°48'35	22°47	6°56	21°41	27°38	27°57	8° 8	12°36	15°39	13°47	14°37	13°40	13°26	6°53	T 27
F 28	17 0 30	15°45'52	4°54	7°24	22°51	27°59	28° 9	8° 8	12°39	15°40	13°47	14°34	13°37	13°33	6°56	F 28
S 29	17 4 26	16°43'10	17°14	7°48	24° 1	28°20	28°20	8° 7	12°41	15°42	13°46	14°D34	13°34	13°40	7° 0	S 29
S 30	17 8 23	17°40'27	29°53	8° 7	25°11	28°41	28°31	8° 7	12°44	15°43	13°45	14°34	13°31	13°47	7° 3	S 30
M31	17 12 19	18°11'37	12°54	8°21	26°52	29°17	28°43	8° 7	12°46	15°44	13°45	14°R34	13°27	13°53	7° 6	M31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17n45	11s10	3s10	22n37	1n45	24n39	1n28	4n35	1n21	22n 0	0n35	1s 3	2n43	17n56	0n41	4n24	1s37	24s40	8s21	6n25	5n56	28s12	12n22	1s 0	
S 2	18 1	5 20	2 11	23 5	1 51	24 46	1 30	4 30	1 19	21 59	0 35	1 2	2 42	17 56	0 41	4 25	1 37	24 41	8 21	6 25	5 55	28 11	12 23	1 1	
M 3	18 16	0n55	1 3	23 31	1 57	24 52	1 32	4 25	1 16	21 57	0 35	1 1	2 42	17 56	0 41	4 25	1 38	24 41	8 21	6 26	5 54	28 11	12 24	1 1	
T 4	18 31	7 19	0n10	23 54	2 2	24 57	1 34	4 20	1 14	21 56	0 35	1 0	2 42	17 55	0 41	4 26	1 38	24 41	8 21	6 26	5 53	28 10	12 25	1 1	
W 5	18 45	13 34	1 25	24 14	2 7	25 2	1 36	4 14	1 12	21 54	0 35	0 59	2 42	17 55	0 41	4 27	1 38	24 41	8 22	6 26	5 52	28 10	12 26	1 1	
T 6	19 0	19 18	2 36	24 32	2 10	25 6	1 38	4 8	1 9	21 53	0 35	0 58	2 42	17 55	0 41	4 27	1 38	24 42	8 22	6 25	5 50	28 9	12 28	1 1	
F 7	19 13	24 0	3 39	24 48	2 13	25 9	1 40	4 2	1 7	21 51	0 35	0 57	2 41	17 54	0 41	4 28	1 38	24 42	8 22	6 23	5 49	28 9	12 29	1 1	
S 8	19 27	27 12	4 28	25 1	2 15	25 11	1 41	3 56	1 5	21 49	0 35	0 57	2 41	17 54	0 41	4 29	1 38	24 42	8 23	6 21	5 48	28 8	12 30	1 1	
S 9	19 40	28 28	4 58	25 12	2 16	25 13	1 43	3 50	1 3	21 47	0 35	0 56	2 41	17 53	0 41	4 29	1 38	24 43	8 23	6 18	5 47	28 8	12 31	1 1	
M10	19 53	27 41	5 9	25 20	2 17	25 14	1 45	3 43	1 1	21 46	0 35	0 55	2 41	17 53	0 41	4 30	1 38	24 43	8 23	6 16	5 45	28 7	12 32	1 1	
T 11	20 6	24 59	4 59	25 27	2 16	25 15	1 46	3 36	0 58	21 44	0 35	0 55	2 41	17 52	0 41	4 31	1 38	24 43	8 23	6 14	5 44	28 6	12 34	1 2	
W12	20 18	20 46	4 31	25 31	2 15	25 14	1 48	3 29	0 56	21 42	0 35	0 54	2 40	17 52	0 41	4 31	1 38	24 43	8 24	6 13	5 43	28 6	12 35	1 2	
T 13	20 30	15 28	3 46	25 34	2 13	25 13	1 49	3 22	0 54	21 40	0 35	0 54	2 40	17 51	0 41	4 32	1 38	24 44	8 24	6 13	5 42	28 5	12 36	1 2	
F 14	20 41	9 31	2 50	25 34	2 10	25 11	1 51	3 15	0 52	21 38	0 35	0 53	2 40	17 51	0 41	4 33	1 38	24 44	8 24	6 13	5 40	28 5	12 37	1 2	
S 15	20 53	3 17	1 46	25 33	2 6	25 9	1 52	3 7	0 50	21 36	0 35	0 53	2 40	17 50	0 41	4 33	1 38	24 44	8 25	6 13	5 39	28 4	12 38	1 2	
S 16	21 3	2s58	0 37	25 30	2 2	25 6	1 53	2 59	0 48	21 35	0 35	0 52	2 39	17 50	0 41	4 34	1 38	24 45	8 25	6 14	5 38	28 4	12 39	1 2	
M17	21 14	8 58	0s32	25 26	1 57	25 2	1 54	2 51	0 46	21 33	0 35	0 52	2 39	17 49	0 41	4 34	1 38	24 45	8 25	6 14	5 37	28 3	12 40	1 2	
T 18	21 24	14 32	1 38	25 20	1 50	24 57	1 56	2 43	0 44	21 31	0 35	0 51	2 39	17 48	0 41	4 35	1 38	24 46	8 25	6 13	5 36	28 2	12 41	1 2	
W19	21 34	19 25	2 38	25 13	1 43	24 52	1 57	2 35	0 42	21 29	0 35	0 51	2 39	17 48	0 41	4 35	1 38	24 46	8 26	6 12	5 34	28 2	12 43	1 2	
T 20	21 43	23 25	3 30	25 5	1 36	24 46	1 57	2 26	0 40	21 27	0 35	0 51	2 39	17 47	0 40	4 36	1 38	24 46	8 26	6 9	5 33	28 1	12 44	1 3	
F 21	21 52	26 20	4 12	24 56	1 27	24 39	1 58	2 17	0 38	21 25	0 35	0 51	2 38	17 47	0 40	4 37	1 38	24 47	8 26	6 6	5 32	28 0	12 45	1 3	
S 22	22 1	28 2	4 42	24 45	1 18	24 32	1 59	2 9	0 37	21 22	0 35	0 50	2 38	17 46	0 40	4 37	1 38	24 47	8 27	6 2	5 31	28 0	12 46	1 3	
S 23	22 9	28 24	5 0	24 34	1 8	24 24	2 0	2 0	0 35	21 20	0 35	0 50	2 38	17 45	0 40	4 38	1 38	24 47	8 27	5 58	5 29	27 59	12 47	1 3	
M24	22 17	27 26	5 4	24 21	0 57	24 15	2 0	1 50	0 33	21 18	0 35	0 50	2 38	17 45	0 40	4 38	1 38	24 48	8 27	5 54	5 28	27 58	12 48	1 3	
T 25	22 24	25 14	4 55	24 8	0 46	24 6	2 1	1 41	0 31	21 16	0 35	0 50	2 37	17 44	0 40	4 39	1 38	24 48	8 27	5 51	5 27	27 58	12 49	1 3	
W26	22 31	21 57	4 34	23 54	0 33	23 56	2 1	1 32	0 29	21 14	0 35	0 50	2 37	17 43	0 40	4 39	1 39	24 49	8 28	5 48	5 26	27 57	12 50	1 3	
T 27	22 38	17 44	4 0	23 40	0 20	23 45	2 2	1 22	0 28	21 12	0 35	0 50	2 37	17 43	0 40	4 40	1 39	24 49	8 28	5 46	5 24	27 56	12 51	1 3	
F 28	22 44	12 46	3 15	23 24	0 7	23 34	2 2	1 12	0 26	21 9	0 35	0 50	2 37	17 42	0 40	4 40	1 39	24 49	8 28	5 45	5 23	27 56	12 52	1 3	
S 29	22 50	7 12	2 20	23 9	0s 7	23 22	2 2	1 2	0 24	21 7	0 35	0 50	2 36	17 41	0 40	4 41	1 39	24 50	8 28	5 45	5 22	27 55	12 53	1 4	
S 30	22 56	1 14	1 18	22 53	0 22	23 9	2 2	0 52	0 23	21 5	0 35	0 50	2 36	17 41	0 40	4 41	1 39	24 50	8 29	5 45	5 21	27 54	12 54	1 4	
M31	23n 1	4n58	0s 9	22n37	0s37	22n56	2n 2	0n42	0n21	21n 3	0n35	0s50	2n36	17n40	0n40	4n41	1s39	24s51	8s29	5n46	5n19	27s53	12n55	1s 0	

ASTRODIENST EPHEMERIS for the year 1540
geocentric

JUNE 1540 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 16 16	19II34'59	26V22	8°31	27°31	29°25	28°54	8°D 7	12°49	15°V45	13°R44	14°R34	13°V24	14°0	7°810	T 1
W 2	17 20 12	20°32'16	10°18	8°37	28°40	29°48	29° 6	8°5 7	12°51	15°47	13°43	14°V32	13°21	14° 7	7°13	W 2
T 3	17 24 9	21°29'32	24°43	8°R37	29°50	0°11	29°18	8° 7	12°54	15°48	13°43	14°27	13°18	14°14	7°16	T 3
F 4	17 28 6	22°26'47	9II32	8°34	0°59	0°34	29°29	8° 8	12°57	15°49	13°42	14°19	13°15	14°20	7°19	F 4
S 5	17 32 2	23°24'03	24°39	8°26	2° 9	0°58	29°41	8° 8	12°59	15°50	13°41	14°10	13°11	14°27	7°22	S 5
S 6	17 35 59	24°21'18	9°53	8°13	3°18	1°22	29°53	8° 8	13° 2	15°51	13°41	14° 0	13° 8	14°34	7°26	S 6
M 7	17 39 55	25°18'32	25° 3	7°57	4°27	1°46	0°5 5	8° 9	13° 5	15°52	13°40	13°51	13° 5	14°40	7°29	M 7
T 8	17 43 52	26°15'46	10°0	7°36	5°36	2°11	0°17	8°10	13° 8	15°53	13°39	13°43	13° 2	14°47	7°32	T 8
W 9	17 47 48	27°13'00	24°35	7°12	6°45	2°36	0°29	8°10	13°10	15°54	13°38	13°37	12°59	14°54	7°35	W 9
T 10	17 51 45	28°10'12	8°46	6°45	7°54	3° 2	0°41	8°11	13°13	15°55	13°37	13°34	12°56	15° 1	7°38	T 10
F 11	17 55 41	29° 7'25	22°30	6°15	9° 3	3°27	0°53	8°12	13°16	15°56	13°36	13°33	12°52	15° 7	7°40	F 11
S 12	17 59 38	0°43'36	5°49	5°43	10°12	3°54	1° 5	8°13	13°19	15°57	13°36	13°D33	12°49	15°14	7°43	S 12
S 13	18 3 35	1° 1'47	18°46	5° 8	11°20	4°20	1°17	8°14	13°22	15°58	13°35	13°R33	12°46	15°21	7°46	S 13
M14	18 7 31	1°58'58	1°25	4°33	12°29	4°47	1°30	8°16	13°25	15°59	13°34	13°31	12°43	15°28	7°49	M14
T 15	18 11 28	2°56'09	13°50	3°57	13°37	5°14	1°42	8°17	13°28	16° 0	13°33	13°28	12°40	15°34	7°52	T 15
W16	18 15 24	3°53'19	26° 4	3°20	14°45	5°41	1°54	8°18	13°31	16° 1	13°32	13°23	12°37	15°41	7°54	W16
T 17	18 19 21	4°50'29	8°10	2°44	15°54	6° 8	2° 7	8°20	13°34	16° 1	13°31	13°14	12°33	15°48	7°57	T 17
F 18	18 23 17	5°47'40	20°10	2°10	17° 1	6°36	2°19	8°22	13°37	16° 2	13°30	13° 3	12°30	15°54	8° 0	F 18
S 19	18 27 14	6°44'50	2°3 6	1°37	18° 9	7° 4	2°32	8°23	13°41	16° 3	13°29	12°50	12°27	16° 1	8° 2	S 19
S 20	18 31 10	7°42'00	14° 0	1° 6	19°17	7°33	2°44	8°25	13°44	16° 3	13°28	12°36	12°24	16° 8	8° 5	S 20
M21	18 35 7	8°39'10	25°52	0°39	20°25	8° 1	2°57	8°27	13°47	16° 4	13°27	12°23	12°21	16°15	8° 7	M21
T 22	18 39 4	9°36'20	7°45	0°14	21°32	8°30	3° 9	8°29	13°50	16° 5	13°26	12°11	12°17	16°21	8°10	T 22
W23	18 43 0	10°33'31	19°40	29°54	22°39	8°59	3°22	8°31	13°53	16° 5	13°25	12° 1	12°14	16°28	8°12	W23
T 24	18 46 57	11°30'42	1°40	29°38	23°46	9°29	3°34	8°33	13°57	16° 6	13°24	11°54	12°11	16°35	8°14	T 24
F 25	18 50 53	12°27'53	13°49	29°26	24°53	9°59	3°47	8°36	14° 0	16° 6	13°23	11°49	12° 8	16°41	8°17	F 25
S 26	18 54 50	13°25'05	26° 9	29°19	26° 0	10°28	4° 0	8°38	14° 3	16° 7	13°21	11°47	12° 5	16°48	8°19	S 26
S 27	18 58 46	14°22'17	8°V45	29°D17	27° 7	10°59	4°13	8°41	14° 7	16° 7	13°20	11°47	12° 2	16°55	8°21	S 27
M28	19 2 43	15°19'30	21°43	29°21	28°14	11°29	4°25	8°43	14°10	16° 8	13°19	11°47	11°58	17° 2	8°23	M28
T 29	19 6 39	16°16'44	5°8 5	29°30	29°20	12° 0	4°38	8°46	14°13	16° 8	13°18	11°46	11°55	17° 8	8°25	T 29
W30	19 10 36	17°13'58	18°55	29°II44	0°26	12°30	4°51	8°49	14°17	16°V 8	13°17	11°V43	11°V52	17°15	8°27	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	23n 5	11n10	1n 2	22n21	0s53	22n42	2n 2	0n32	0n19	21n 0	0n35	0s51	2n36	17n39	0n40	T 1
W 2	23 10 17	2 12 22	5 1	9 22 28	2 2	0 21	0 18	20 58	0 35	0 51	2 35	17 38	0 40	4 42	1 39	W 2
T 3	23 14 22	10 16	21 48	1 25	22 13	2 1	0 10	0 16	20 55	0 35	0 51	2 35	17 38	0 40	4 43	T 3
F 4	23 17 26	2 4	9 21 32	1 41	21 57	2 1	0s 0	0 15	20 53	0 35	0 52	2 35	17 37	0 40	4 43	F 4
S 5	23 20 28	8 4	4 45 21 16	1 58	21 41	2 1	0 11	0 13	20 51	0 35	0 52	2 35	17 36	0 40	4 43	S 5
S 6	23 23 28	8 5	1 21 1	2 14	21 25	2 0	0 22	0 11	20 48	0 35	0 52	2 34	17 35	0 40	4 44	S 6
M 7	23 25 26	2 4	5 20 45	2 31	21 8	1 59	0 33	0 10	20 46	0 35	0 53	2 34	17 34	0 40	4 44	M 7
T 8	23 27 22	8 4	3 20 30	2 47	20 50	1 58	0 45	0 8	20 43	0 35	0 53	2 34	17 34	0 40	4 45	T 8
W 9	23 28 16	57 3	4 20 16	3 2	20 32	1 57	0 56	0 7	20 40	0 35	0 54	2 34	17 33	0 40	4 45	W 9
T 10	23 29 10	59 2	53 20 3	3 17	20 13	1 56	1 7	0 5	20 38	0 35	0 54	2 33	17 32	0 40	4 45	T 10
F 11	23 30 4	39 1	49 19 50	3 31	19 54	1 55	1 19	0 4	20 35	0 35	0 55	2 33	17 31	0 40	4 45	F 11
S 12	23 30 1s41	0 41	19 38	3 45	19 34	1 54	1 31	0 3	20 33	0 35	0 56	2 33	17 30	0 40	4 46	S 12
S 13	23 30 7	48 0s28	19 27	3 57	19 14	1 53	1 42	0 1	20 30	0 35	0 56	2 33	17 29	0 40	4 46	S 13
M14	23 29 13	27 1	33 19 17	4 8	18 53	1 51	1 54	0s 0	20 27	0 35	0 57	2 32	17 28	0 40	4 46	M14
T 15	23 28 18	28 2	33 19 9	4 18	18 32	1 50	2 6	0 2	20 25	0 36	0 58	2 32	17 28	0 40	4 47	T 15
W16	23 27 22	38 3	24 19 1	4 26	18 10	1 48	2 18	0 3	20 22	0 36	0 59	2 32	17 27	0 40	4 47	W16
T 17	23 25 25	46 4	6 18 55	4 33	17 48	1 46	2 31	0 4	20 19	0 36	0 59	2 32	17 26	0 40	4 47	T 17
F 18	23 22 27	44 4	36 18 50	4 39	17 26	1 45	2 43	0 6	20 16	0 36	1 0	2 31	17 25	0 40	4 47	F 18
S 19	23 20 28	23 4	54 18 47	4 43	17 3	1 43	2 55	0 7	20 14	0 36	1 1	2 31	17 24	0 40	4 48	S 19
S 20	23 17 27	43 4	59 18 45	4 45	16 40	1 41	3 8	0 8	20 11	0 36	1 2	2 31	17 23	0 40	4 48	S 20
M21	23 13 25	48 4	51 18 44	4 46	16 17	1 38	3 20	0 9	20 8	0 36	1 3	2 31	17 22	0 40	4 48	M21
T 22	23 9 22	44 4	31 18 45	4 45	15 53	1 36	3 33	0 11	20 5	0 36	1 4	2 30	17 21	0 40	4 48	T 22
W23	23 5 18	43 3	58 18 48	4 43	15 28	1 34	3 45	0 12	20 2	0 36	1 5	2 30	17 20	0 40	4 48	W23
T 24	23 0 13	56 3	15 18 51	4 39	15 4	1 31	3 58	0 13	19 59	0 36	1 6	2 30	17 19	0 40	4 48	T 24
F 25	22 55 8	34 2	22 18 56	4 34	14 39	1 29	4 11	0 14	19 56	0 36	1 8	2 30	17 18	0 40	4 49	F 25
S 26	22 49 2	47 1	22 19 3	4 27	14 14	1 26	4 24	0 16	19 53	0 36	1 9	2 29	17 17	0 40	4 49	S 26
S 27	22 43 3n14	0 16	19 10	4 20	13 48	1 23	4 37	0 17	19 50	0 36	1 10	2 29	17 16	0 40	4 49	S 27
M28	22 37 9	17 0n52	19 19	4 11	13 22	1 20	4 50	0 18	19 47	0 36	1 11	2 29	17 15	0 40	4 49	M28
T 29	22 30 15	8 2	0 19 29	4 1	12 56	1 17	5 3	0 19	19 44	0 36	1 12	2 29	17 14	0 40	4 49	T 29
W30	22n23	20n25	3n 3	19n40	3s51	12n30	1n14	5s16	0s20	19n41	0n36	1s14	2n28	17n13	0n40	W30

Julian Day Number = 2283694.5, Delta T = 200.98 sec

Ecliptic obliquity = 23°30'05, Nutation = - 0°00'05, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°19'39, Lahiri = 17°26'39 Julian Calendar 1 June 1540 == Greg. Calendar 11 June 1540

ASTRODIENST EPHEMERIS for the year 1540

geocentric

JULY 1540 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	19 14 33	18°11'13	3°11'14	0°54	1°32	13°2	5°4	8°52	14°20	16°9	13°R16	11°R38	11°Y49	17°22	8°29	T 1
F 2	19 18 29	19° 8'29	17°59	0°29	2°38	13°33	5°17	8°54	14°24	16° 9	13°R14	11°Y31	11°46	17°29	8°31	F 2
S 3	19 22 26	20° 5'46	3°56	1° 0	3°44	14° 4	5°30	8°58	14°27	16° 9	13°13	11°21	11°43	17°35	8°33	S 3
S 4	19 26 22	21° 3'03	18°23	1°37	4°50	14°36	5°43	9° 1	14°31	16° 9	13°12	11°11	11°39	17°42	8°35	S 4
M 5	19 30 19	22° 0'20	3°41	2°19	5°55	15° 8	5°56	9° 4	14°34	16°10	13°11	11° 0	11°36	17°49	8°37	M 5
T 6	19 34 15	22°57'38	18°48	3° 7	7° 0	15°40	6° 9	9° 7	14°38	16°10	13°10	10°52	11°33	17°55	8°38	T 6
W 7	19 38 12	23°54'57	3°34	4° 0	8° 5	16°13	6°22	9°11	14°41	16°10	13° 8	10°45	11°30	18° 2	8°40	W 7
T 8	19 42 9	24°52'16	17°54	4°58	9°10	16°45	6°35	9°14	14°45	16°10	13° 7	10°41	11°27	18° 9	8°42	T 8
F 9	19 46 5	25°49'35	1°46	6° 1	10°15	17°18	6°48	9°18	14°48	16°10	13° 6	10°40	11°23	18°16	8°43	F 9
S 10	19 50 2	26°46'55	15°10	7°10	11°19	17°51	7° 1	9°21	14°52	16°R10	13° 5	10°D39	11°20	18°22	8°45	S 10
S 11	19 53 58	27°44'15	28° 8	8°24	12°23	18°25	7°14	9°25	14°55	16°10	13° 3	10°R40	11°17	18°29	8°46	S 11
M12	19 57 55	28°41'35	10°45	9°43	13°27	18°58	7°27	9°29	14°59	16°10	13° 2	10°39	11°14	18°36	8°48	M12
T 13	20 1 51	29°38'57	23° 6	11° 6	14°31	19°32	7°40	9°33	15° 3	16°10	13° 1	10°37	11°11	18°43	8°49	T 13
W14	20 5 48	0°36'18	5°14	12°34	15°34	20° 5	7°53	9°37	15° 6	16°10	12°59	10°32	11° 8	18°49	8°50	W14
T 15	20 9 44	1°33'41	17°14	14° 7	16°38	20°39	8° 6	9°41	15°10	16°10	12°58	10°25	11° 4	18°56	8°51	T 15
F 16	20 13 41	2°31'04	29° 9	15°44	17°40	21°14	8°20	9°45	15°14	16° 9	12°57	10°15	11° 1	19° 3	8°53	F 16
S 17	20 17 38	3°28'28	11°2	17°25	18°43	21°48	8°33	9°49	15°17	16° 9	12°55	10° 4	10°58	19° 9	8°54	S 17
S 18	20 21 34	4°25'53	22°54	19° 9	19°46	22°22	8°46	9°53	15°21	16° 9	12°54	9°51	10°55	19°16	8°55	S 18
M19	20 25 31	5°23'18	4°48	20°57	20°48	22°57	8°59	9°58	15°25	16° 9	12°53	9°40	10°52	19°23	8°56	M19
T 20	20 29 27	6°20'45	16°45	22°48	21°50	23°32	9°12	10° 2	15°28	16° 8	12°51	9°29	10°49	19°30	8°57	T 20
W21	20 33 24	7°18'13	28°47	24°42	22°51	24° 7	9°25	10° 6	15°32	16° 8	12°50	9°20	10°45	19°36	8°58	W21
T 22	20 37 20	8°15'41	10°54	26°38	23°53	24°42	9°39	10°11	15°36	16° 8	12°49	9°14	10°42	19°43	8°58	T 22
F 23	20 41 17	9°13'11	23°10	28°36	24°54	25°18	9°52	10°16	15°39	16° 7	12°47	9°11	10°39	19°50	8°59	F 23
S 24	20 45 13	10°10'42	5°37	0°36	25°54	25°53	10° 5	10°20	15°43	16° 7	12°46	9°D 9	10°36	19°56	9° 0	S 24
S 25	20 49 10	11° 8'15	18°18	2°37	26°55	26°29	10°18	10°25	15°47	16° 6	12°45	9°10	10°33	20° 3	9° 0	S 25
M26	20 53 7	12° 5'49	1°16	4°39	27°55	27° 5	10°31	10°30	15°51	16° 6	12°43	9°10	10°29	20°10	9° 1	M26
T 27	20 57 3	13° 3'25	14°36	6°42	28°55	27°41	10°44	10°35	15°54	16° 5	12°42	9°R11	10°26	20°17	9° 2	T 27
W28	21 1 0	14° 1'02	28°19	8°44	29°54	28°17	10°58	10°40	15°58	16° 5	12°41	9°10	10°23	20°23	9° 2	W28
T 29	21 4 56	14°58'41	12°27	10°47	0°53	28°53	11°11	10°45	16° 2	16° 4	12°39	9° 7	10°20	20°30	9° 2	T 29
F 30	21 8 53	15°56'21	26°59	12°50	1°52	29°30	11°24	10°50	16° 6	16° 4	12°38	9° 2	10°17	20°37	9° 3	F 30
S 31	21 12 49	16°54'03	11°52	14°52	2°50	0°36	11°37	10°55	16°9	16°Y 3	12°37	8°Y55	10°Y14	20°34	9°3	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22n16	24n43	3n56	19n51	3s39	12n 3	1n11	5s29	0s21	19n38	0n36	1s15	2n28	17n12	0n40	4n49
F 2	22 8	27 32	4 36	20 3	3 27	11 36	1 7	5 42	0 22	19 35	0 36	1 16	2 28	17 11	0 40	4 49
S 3	22 0	28 25	4 57	20 16	3 14	11 9	1 4	5 56	0 24	19 32	0 36	1 18	2 28	17 10	0 40	4 49
S 4	21 51	27 9	4 58	20 28	3 1	10 42	1 0	6 9	0 25	19 29	0 36	1 19	2 27	17 9	0 40	4 49
M 5	21 42	23 52	4 38	20 41	2 47	10 14	0 56	6 22	0 26	19 26	0 36	1 21	2 27	17 8	0 40	4 49
T 6	21 33	19 0	3 58	20 55	2 33	9 47	0 53	6 36	0 27	19 22	0 37	1 22	2 27	17 7	0 40	4 49
W 7	21 23	13 4	3 3	21 7	2 19	9 19	0 49	6 49	0 28	19 19	0 37	1 24	2 27	17 6	0 40	4 49
T 8	21 13	6 35	1 57	21 20	2 5	8 50	0 45	7 3	0 29	19 16	0 37	1 25	2 27	17 5	0 40	4 49
F 9	21 2	0 1	0 47	21 32	1 50	8 22	0 40	7 16	0 30	19 13	0 37	1 27	2 26	17 4	0 40	4 49
S 10	20 51	6s21	0s24	21 43	1 35	7 54	0 36	7 30	0 31	19 10	0 37	1 29	2 26	17 3	0 40	4 49
S 11	20 40	12 15	1 31	21 53	1 21	7 25	0 32	7 44	0 32	19 6	0 37	1 30	2 26	17 2	0 40	4 49
M12	20 29	17 30	2 32	22 3	1 6	6 56	0 27	7 57	0 33	19 3	0 37	1 32	2 26	17 1	0 40	4 49
T 13	20 17	21 54	3 25	22 10	0 52	6 28	0 23	8 11	0 34	19 0	0 37	1 34	2 25	17 0	0 40	4 49
W14	20 4	25 17	4 7	22 16	0 38	5 59	0 18	8 25	0 35	18 56	0 37	1 35	2 25	16 59	0 40	4 49
T 15	19 52	27 30	4 38	22 21	0 24	5 30	0 13	8 38	0 36	18 53	0 37	1 37	2 25	16 58	0 40	4 49
F 16	19 39	28 26	4 56	22 23	0 11	5 1	0 8	8 52	0 37	18 50	0 37	1 39	2 25	16 56	0 40	4 49
S 17	19 26	28 3	5 2	22 24	0n 2	4 31	0 3	9 6	0 38	18 46	0 37	1 41	2 25	16 55	0 40	4 49
S 18	19 12	26 23	4 54	22 22	0 14	4 2	0s 2	9 20	0 39	18 43	0 37	1 43	2 24	16 54	0 40	4 48
M19	18 58	23 32	4 34	22 17	0 26	3 33	0 7	9 33	0 39	18 40	0 37	1 45	2 24	16 53	0 40	4 48
T 20	18 44	19 41	4 1	22 10	0 37	3 4	0 12	9 47	0 40	18 36	0 37	1 47	2 24	16 52	0 40	4 48
W21	18 30	15 1	3 18	22 0	0 47	2 34	0 18	10 1	0 41	18 33	0 38	1 49	2 24	16 51	0 40	4 48
T 22	18 15	9 44	2 25	21 48	0 56	2 5	0 23	10 15	0 42	18 29	0 38	1 51	2 24	16 50	0 40	4 48
F 23	18 0	4 1	1 24	21 33	1 5	1 36	0 29	10 29	0 43	18 26	0 38	1 53	2 23	16 49	0 40	4 47
S 24	17 44	1n57	0 19	21 15	1 13	1 6	0 34	10 42	0 44	18 22	0 38	1 55	2 23	16 48	0 40	4 47
S 25	17 29	7 57	0n49	20 55	1 20	0 37	0 40	10 56	0 45	18 19	0 38	1 57	2 23	16 47	0 40	4 47
M26	17 13	13 45	1 56	20 32	1 26	0 8	0 46	11 10	0 45	18 15	0 38	1 59	2 23	16 45	0 40	4 47
T 27	16 56	19 5	2 58	20 7	1 31	0s22	0 52	11 24	0 46	18 12	0 38	2 1	2 23	16 44	0 40	4 46
W28	16 40	23 36	3 52	19 40	1 36	0 51	0 58	11 37	0 47	18 8	0 38	2 3	2 22	16 43	0 40	4 46
T 29	16 23	26 52	4 34	19 10	1 39	1 20	1 4	11 51	0 48	18 5	0 38	2 5	2 22	16 42	0 40	4 46
F 30	16 6	28 27	5 0	18 38	1 42	1 49	1 11	12 5	0 49	18 1	0 38	2 7	2 22	16 41	0 40	4 46
S 31	15n49	28n 3	5n 6	18n 5	1n44	2s18	1s17	12s19	0s49	17n58	0n38	2s 9	2n22	16n40	0n40	4n45

Julian Day Number = 2283724.5, Delta T = 200.80 sec

Ecliptic obliquity = 23°30'05, Nutation = - 0°00'03, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°19'43, Lahiri = 17°26'43 Julian Calendar 1 July 1540 == Greg. Calendar 11 July 1540

ASTRODIENST EPHEMERIS for the year 1540

geocentric

AUGUST 1540 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 16 46	17 ⁰⁵ 14'46	26 ⁰⁵ 57	16 ⁰⁵ 53	3 ⁰⁵ 48	0 ⁰⁵ 43	11 ⁰⁵ 50	11 ⁰⁵ 1	16 ⁰⁵ 13	16 ⁰⁵ R 2	12 ⁰⁵ R35	8 ⁰⁵ R48	10 ⁰⁵ Y10	20 ⁰⁵ 350	9 ⁰⁵ R 3	S 1
M 2	21 20 42	18 ⁰⁵ 49'31	12 ⁰⁵ 06	18 ⁰⁵ 54	4 ⁰⁵ 45	1 ⁰⁵ 20	12 ⁰⁵ 3	11 ⁰⁵ 6	16 ⁰⁵ 17	16 ⁰⁵ Y 2	12 ⁰⁵ 334	8 ⁰⁵ Y40	10 ⁰⁵ 7	20 ⁰⁵ 57	9 ⁰⁵ 3	M 2
T 3	21 24 39	19 ⁰⁵ 47'17	27 ⁰⁵ 8	20 ⁰⁵ 54	5 ⁰⁵ 42	1 ⁰⁵ 57	12 ⁰⁵ 16	11 ⁰⁵ 11	16 ⁰⁵ 20	16 ⁰⁵ 1	12 ⁰⁵ 33	8 ⁰⁵ 34	10 ⁰⁵ 4	21 ⁰⁵ 4	9 ⁰⁵ 3	T 3
W 4	21 28 36	20 ⁰⁵ 45'05	11 ⁰⁵ 55	22 ⁰⁵ 53	6 ⁰⁵ 39	2 ⁰⁵ 35	12 ⁰⁵ 30	11 ⁰⁵ 17	16 ⁰⁵ 24	16 ⁰⁵ 0	12 ⁰⁵ 31	8 ⁰⁵ 29	10 ⁰⁵ 1	21 ⁰⁵ 10	9 ⁰⁵ R 3	W 4
T 5	21 32 32	21 ⁰⁵ 42'54	26 ⁰⁵ 19	24 ⁰⁵ 50	7 ⁰⁵ 35	3 ⁰⁵ 12	12 ⁰⁵ 43	11 ⁰⁵ 22	16 ⁰⁵ 28	15 ⁰⁵ 59	12 ⁰⁵ 30	8 ⁰⁵ 27	9 ⁰⁵ 58	21 ⁰⁵ 17	9 ⁰⁵ 3	T 5
F 6	21 36 29	22 ⁰⁵ 40'44	10 ⁰⁵ 16	26 ⁰⁵ 47	8 ⁰⁵ 31	3 ⁰⁵ 49	12 ⁰⁵ 56	11 ⁰⁵ 28	16 ⁰⁵ 32	15 ⁰⁵ 58	12 ⁰⁵ 29	8 ⁰⁵ D26	9 ⁰⁵ 55	21 ⁰⁵ 24	9 ⁰⁵ 3	F 6
S 7	21 40 25	23 ⁰⁵ 38'35	23 ⁰⁵ 45	28 ⁰⁵ 42	9 ⁰⁵ 26	4 ⁰⁵ 27	13 ⁰⁵ 9	11 ⁰⁵ 33	16 ⁰⁵ 35	15 ⁰⁵ 58	12 ⁰⁵ 27	8 ⁰⁵ 27	9 ⁰⁵ 51	21 ⁰⁵ 31	9 ⁰⁵ 3	S 7
S 8	21 44 22	24 ⁰⁵ 36'27	6 ⁰⁵ 48	0 ⁰⁵ 36	10 ⁰⁵ 20	5 ⁰⁵ 5	13 ⁰⁵ 22	11 ⁰⁵ 39	16 ⁰⁵ 39	15 ⁰⁵ 57	12 ⁰⁵ 26	8 ⁰⁵ 28	9 ⁰⁵ 48	21 ⁰⁵ 37	9 ⁰⁵ 3	S 8
M 9	21 48 18	25 ⁰⁵ 34'21	19 ⁰⁵ 29	2 ⁰⁵ 28	11 ⁰⁵ 15	5 ⁰⁵ 43	13 ⁰⁵ 35	11 ⁰⁵ 45	16 ⁰⁵ 43	15 ⁰⁵ 56	12 ⁰⁵ 25	8 ⁰⁵ 29	9 ⁰⁵ 45	21 ⁰⁵ 44	9 ⁰⁵ 3	M 9
T 10	21 52 15	26 ⁰⁵ 32'16	1 ⁰⁵ 51	4 ⁰⁵ 20	12 ⁰⁵ 8	6 ⁰⁵ 21	13 ⁰⁵ 48	11 ⁰⁵ 51	16 ⁰⁵ 46	15 ⁰⁵ 55	12 ⁰⁵ 24	8 ⁰⁵ R29	9 ⁰⁵ 42	21 ⁰⁵ 51	9 ⁰⁵ 2	T 10
W11	21 56 11	27 ⁰⁵ 30'13	13 ⁰⁵ 59	6 ⁰⁵ 10	13 ⁰⁵ 1	6 ⁰⁵ 59	14 ⁰⁵ 1	11 ⁰⁵ 56	16 ⁰⁵ 50	15 ⁰⁵ 54	12 ⁰⁵ 22	8 ⁰⁵ 28	9 ⁰⁵ 39	21 ⁰⁵ 57	9 ⁰⁵ 2	W11
T 12	22 0 8	28 ⁰⁵ 28'10	25 ⁰⁵ 57	7 ⁰⁵ 58	13 ⁰⁵ 54	7 ⁰⁵ 38	14 ⁰⁵ 14	12 ⁰⁵ 2	16 ⁰⁵ 54	15 ⁰⁵ 53	12 ⁰⁵ 21	8 ⁰⁵ 25	9 ⁰⁵ 35	22 ⁰⁵ 4	9 ⁰⁵ 2	T 12
F 13	22 4 5	29 ⁰⁵ 26'10	7 ⁰⁵ 35	9 ⁰⁵ 46	14 ⁰⁵ 45	8 ⁰⁵ 16	14 ⁰⁵ 27	12 ⁰⁵ 8	16 ⁰⁵ 58	15 ⁰⁵ 52	12 ⁰⁵ 20	8 ⁰⁵ 20	9 ⁰⁵ 32	22 ⁰⁵ 11	9 ⁰⁵ 1	F 13
S 14	22 8 1	0 ⁰⁵ 24'10	19 ⁰⁵ 43	11 ⁰⁵ 32	15 ⁰⁵ 37	8 ⁰⁵ 55	14 ⁰⁵ 40	12 ⁰⁵ 14	17 ⁰⁵ 1	15 ⁰⁵ 51	12 ⁰⁵ 18	8 ⁰⁵ 14	9 ⁰⁵ 29	22 ⁰⁵ 18	9 ⁰⁵ 0	S 14
S 15	22 11 58	1 ⁰⁵ 22'12	1 ⁰⁵ 37	13 ⁰⁵ 17	16 ⁰⁵ 27	9 ⁰⁵ 34	14 ⁰⁵ 53	12 ⁰⁵ 20	17 ⁰⁵ 5	15 ⁰⁵ 50	12 ⁰⁵ 17	8 ⁰⁵ 7	9 ⁰⁵ 26	22 ⁰⁵ 24	9 ⁰⁵ 0	S 15
M16	22 15 54	2 ⁰⁵ 20'16	13 ⁰⁵ 35	15 ⁰⁵ 0	17 ⁰⁵ 17	10 ⁰⁵ 13	15 ⁰⁵ 5	12 ⁰⁵ 27	17 ⁰⁵ 9	15 ⁰⁵ 49	12 ⁰⁵ 16	8 ⁰⁵ 0	9 ⁰⁵ 23	22 ⁰⁵ 31	8 ⁰⁵ 59	M16
T 17	22 19 51	3 ⁰⁵ 18'21	25 ⁰⁵ 39	16 ⁰⁵ 43	18 ⁰⁵ 6	10 ⁰⁵ 52	15 ⁰⁵ 18	12 ⁰⁵ 33	17 ⁰⁵ 12	15 ⁰⁵ 48	12 ⁰⁵ 15	7 ⁰⁵ 54	9 ⁰⁵ 20	22 ⁰⁵ 38	8 ⁰⁵ 58	T 17
W18	22 23 47	4 ⁰⁵ 16'27	7 ⁰⁵ 35	18 ⁰⁵ 24	18 ⁰⁵ 54	11 ⁰⁵ 31	15 ⁰⁵ 31	12 ⁰⁵ 39	17 ⁰⁵ 16	15 ⁰⁵ 46	12 ⁰⁵ 13	7 ⁰⁵ 50	9 ⁰⁵ 16	22 ⁰⁵ 45	8 ⁰⁵ 58	W18
T 19	22 27 44	5 ⁰⁵ 14'36	20 ⁰⁵ 10	20 ⁰⁵ 4	19 ⁰⁵ 42	12 ⁰⁵ 10	15 ⁰⁵ 44	12 ⁰⁵ 45	17 ⁰⁵ 19	15 ⁰⁵ 45	12 ⁰⁵ 12	7 ⁰⁵ 47	9 ⁰⁵ 13	22 ⁰⁵ 51	8 ⁰⁵ 57	T 19
F 20	22 31 40	6 ⁰⁵ 12'46	2 ⁰⁵ Y40	21 ⁰⁵ 42	20 ⁰⁵ 29	12 ⁰⁵ 49	15 ⁰⁵ 57	12 ⁰⁵ 51	17 ⁰⁵ 23	15 ⁰⁵ 44	12 ⁰⁵ 11	7 ⁰⁵ D46	9 ⁰⁵ 10	22 ⁰⁵ 58	8 ⁰⁵ 56	F 20
S 21	22 35 37	7 ⁰⁵ 10'58	15 ⁰⁵ 22	23 ⁰⁵ 20	21 ⁰⁵ 15	13 ⁰⁵ 29	16 ⁰⁵ 9	12 ⁰⁵ 58	17 ⁰⁵ 27	15 ⁰⁵ 43	12 ⁰⁵ 10	7 ⁰⁵ 46	9 ⁰⁵ 7	23 ⁰⁵ 5	8 ⁰⁵ 55	S 21
S 22	22 39 34	8 ⁰⁵ 9'12	28 ⁰⁵ 16	24 ⁰⁵ 56	22 ⁰⁵ 0	14 ⁰⁵ 9	16 ⁰⁵ 22	13 ⁰⁵ 4	17 ⁰⁵ 30	15 ⁰⁵ 42	12 ⁰⁵ 9	7 ⁰⁵ 47	9 ⁰⁵ 4	23 ⁰⁵ 11	8 ⁰⁵ 54	S 22
M23	22 43 30	9 ⁰⁵ 7'28	11 ⁰⁵ 35	26 ⁰⁵ 31	22 ⁰⁵ 44	14 ⁰⁵ 48	16 ⁰⁵ 35	13 ⁰⁵ 11	17 ⁰⁵ 34	15 ⁰⁵ 40	12 ⁰⁵ 7	7 ⁰⁵ 48	9 ⁰⁵ 0	23 ⁰⁵ 18	8 ⁰⁵ 53	M23
T 24	22 47 27	10 ⁰⁵ 5'46	24 ⁰⁵ 50	28 ⁰⁵ 5	23 ⁰⁵ 27	15 ⁰⁵ 28	16 ⁰⁵ 47	13 ⁰⁵ 17	17 ⁰⁵ 37	15 ⁰⁵ 39	12 ⁰⁵ 6	7 ⁰⁵ 50	8 ⁰⁵ 57	23 ⁰⁵ 25	8 ⁰⁵ 51	T 24
W25	22 51 23	11 ⁰⁵ 4'07	8 ⁰⁵ 33	29 ⁰⁵ 38	24 ⁰⁵ 10	16 ⁰⁵ 8	17 ⁰⁵ 0	13 ⁰⁵ 24	17 ⁰⁵ 41	15 ⁰⁵ 38	12 ⁰⁵ 5	7 ⁰⁵ R50	8 ⁰⁵ 54	23 ⁰⁵ 32	8 ⁰⁵ 50	W25
T 26	22 55 20	12 ⁰⁵ 2'30	22 ⁰⁵ 33	1 ⁰⁵ 10	24 ⁰⁵ 51	16 ⁰⁵ 48	17 ⁰⁵ 12	13 ⁰⁵ 30	17 ⁰⁵ 44	15 ⁰⁵ 36	12 ⁰⁵ 4	7 ⁰⁵ 50	8 ⁰⁵ 51	23 ⁰⁵ 38	8 ⁰⁵ 49	T 26
F 27	22 59 16	13 ⁰⁵ 0'54	6 ⁰⁵ 51	2 ⁰⁵ 40	25 ⁰⁵ 31	17 ⁰⁵ 28	17 ⁰⁵ 25	13 ⁰⁵ 37	17 ⁰⁵ 48	15 ⁰⁵ 35	12 ⁰⁵ 3	7 ⁰⁵ 49	8 ⁰⁵ 48	23 ⁰⁵ 45	8 ⁰⁵ 48	F 27
S 28	23 3 13	13 ⁰⁵ 59'21	21 ⁰⁵ 24	4 ⁰⁵ 10	26 ⁰⁵ 10	18 ⁰⁵ 9	17 ⁰⁵ 37	13 ⁰⁵ 43	17 ⁰⁵ 51	15 ⁰⁵ 34	12 ⁰⁵ 2	7 ⁰⁵ 46	8 ⁰⁵ 45	23 ⁰⁵ 52	8 ⁰⁵ 46	S 28
S 29	23 7 9	14 ⁰⁵ 57'50	6 ⁰⁵ 06	5 ⁰⁵ 38	26 ⁰⁵ 49	18 ⁰⁵ 49	17 ⁰⁵ 50	13 ⁰⁵ 50	17 ⁰⁵ 55	15 ⁰⁵ 32	12 ⁰⁵ 1	7 ⁰⁵ 43	8 ⁰⁵ 41	23 ⁰⁵ 58	8 ⁰⁵ 45	S 29
M30	23 11 6	15 ⁰⁵ 56'21	20 ⁰⁵ 63	7 ⁰⁵ 5	27 ⁰⁵ 26	19 ⁰⁵ 30	18 ⁰⁵ 2	13 ⁰⁵ 57	17 ⁰⁵ 58	15 ⁰⁵ 31	12 ⁰⁵ 0	7 ⁰⁵ 40	8 ⁰⁵ 38	24 ⁰⁵ 5	8 ⁰⁵ 43	M30
T 31	23 15 3	16 ⁰⁵ 54'55	5 ⁰⁵ 36	8 ⁰⁵ 31	28 ⁰⁵ 1	20 ⁰⁵ 11	18 ⁰⁵ 14	14 ⁰⁵ 3	18 ⁰⁵ 01	15 ⁰⁵ Y30	11 ⁰⁵ 359	7 ⁰⁵ Y38	8 ⁰⁵ Y35	24 ⁰⁵ 12	8 ⁰⁵ 42	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	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	decl lat
S 1	15n31	25n35	4n51	17n29	1n45	2s47	1s23	12s32	0s50	17n54	0n38	2s12	2n22	16n39	0n40	4n45
M 2	15 13	21 18	4 16	16 52	1 46	3 16	1 30	12 46	0 51	17 50	0 38	2 14	2 22	16 38	0 40	4 45
T 3	14 55	15 41	3 24	16 14	1 46	3 45	1 37	13 0	0 52	17 47	0 39	2 16	2 21	16 37	0 40	4 44
W 4	14 37	9 14	2 18	15 35	1 45	4 13	1 43	13 13	0 52	17 43	0 39	2 18	2 21	16 35	0 40	4 44
T 5	14 18	2 28	1 5	14 54	1 44	4 42	1 50	13 27	0 53	17 39	0 39	2 21	2 21	16 34	0 40	4 44
F 6	13 59	4s13	0s10	14 13	1 42	5 10	1 57	13 40	0 54	17 36	0 39	2 23	2 21	16 33	0 40	4 43
S 7	13 40	10 30	1 22	13 31	1 40	5 38	2 4	13 54	0 55	17 32	0 39	2 25	2 21	16 32	0 40	4 43
S 8	13 21	16 8	2 27	12 48	1 37	6 6	2 11	14 7	0 55	17 29	0 39	2 28	2 21	16 31	0 40	4 42
M 9	13 2	20 54	3 24	12 4	1 33	6 34	2 18	14 20	0 56	17 25	0 39	2 30	2 20	16 30	0 40	4 42
T 10	12 42	24 39	4 9	11 20	1 29	7 2	2 25	14 34	0 57	17 21	0 39	2 33	2 20	16 29	0 40	4 42
W11	12 22	27 12	4 42	10 35	1 25	7 29	2 32	14 47	0 57	17 18	0 39	2 35	2 20	16 28	0 40	4 41
T 12	12 2	28 29	5 2	9 51	1 20	7 57	2 39	15 0	0 58	17 14	0 39	2 37	2 20	16 27	0 40	4 41
F 13	11 42	28 25	5 10	9 5	1 15	8 23	2 47	15 13	0 59	17 10	0 40	2 40	2 20	16 25	0 40	4 40
S 14	11 22	27 3	5 4	8 20	1 10	8 50	2 54	15 27	0 59	17 7	0 40	2 42	2 20	16 24	0 40	4 40
S 15	11 1	24 28	4 44	7 35	1 4	9 17	3 2	15 40	1 0	17 3	0 40	2 45	2 20	16 23	0 40	4 40
M16	10 40	20 49	4 13	6 49	0 58	9 43	3 9	15 53	1 1	16 59	0 40	2 47	2 19	16 22	0 40	4 39
T 17	10 19	16 17	3 29	6 4	0 52	10 9	3 17	16 5	1 1	16 55	0 40	2 50	2 19	16 21	0 40	4 39
W18	9 58	11 4	2 36	5 18	0 46	10 34	3 24	16 18	1 2	16 52	0 40	2 52	2 19	16 20	0 40	4 38
T 19	9 37	5 21	1 35	4 33	0 39	11 0	3 32	16 31	1 2	16 48	0 40	2 55	2 19	16 19	0 40	4 38
F 20	9 15	0n38	0 28	3 48	0 32	11 24	3 40	16 44	1 3	16 44	0 40	2 58	2 19	16 18	0 40	4 37
S 21	8 54	6 42	0n42	3 3	0 25	11 49	3 47	16 56	1 4	16 41	0 40	3 0	2 19	16 17	0 40	4 37
S 22	8 32	12 36	1 50	2 18	0 18	12 13	3 55	17 9	1 4	16 37	0 41	3 3	2 19	16 16	0 40	4 36</

ASTRODIENST EPHEMERIS for the year 1540
geocentric

SEPTEMBER 1540 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	23 18 59	17 ^h 53'30	20 ^h 8	9 ^h 56	28 ^h 36	20 ^h 51	18 ^h 27	14 ^h 10	18 ^h 5	15 ^h 28	11 ^h 58	7 ^h 36	8 ^h 32	24 ^h 19	8 ^h 40	W 1
T 2	23 22 56	18 ^h 52'06	4 ^h 23	11 ^h 19	29 ^h 9	21 ^h 32	18 ^h 39	14 ^h 17	18 ^h 8	15 ^h 27	11 ^h 57	7 ^h 35	8 ^h 29	24 ^h 25	8 ^h 38	T 2
F 3	23 26 52	19 ^h 50'45	18 ^h 17	12 ^h 42	29 ^h 41	22 ^h 13	18 ^h 51	14 ^h 24	18 ^h 11	15 ^h 25	11 ^h 56	7 ^h 35	8 ^h 26	24 ^h 32	8 ^h 37	F 3
S 4	23 30 49	20 ^h 49'26	1 ^h 47	14 ^h 3	0 ^h 11	22 ^h 54	19 ^h 3	14 ^h 31	18 ^h 15	15 ^h 24	11 ^h 55	7 ^h 36	8 ^h 22	24 ^h 39	8 ^h 35	S 4
S 5	23 34 45	21 ^h 48'08	14 ^h 53	15 ^h 23	0 ^h 40	23 ^h 36	19 ^h 15	14 ^h 38	18 ^h 18	15 ^h 22	11 ^h 54	7 ^h 38	8 ^h 19	24 ^h 45	8 ^h 33	S 5
M 6	23 38 42	22 ^h 46'53	27 ^h 38	16 ^h 41	1 ^h 8	24 ^h 17	19 ^h 27	14 ^h 45	18 ^h 21	15 ^h 21	11 ^h 53	7 ^h 39	8 ^h 16	24 ^h 52	8 ^h 31	M 6
T 7	23 42 38	23 ^h 45'39	10 ^h 3	17 ^h 58	1 ^h 33	24 ^h 59	19 ^h 39	14 ^h 51	18 ^h 24	15 ^h 19	11 ^h 52	7 ^h 40	8 ^h 13	24 ^h 59	8 ^h 29	T 7
W 8	23 46 35	24 ^h 44'26	22 ^h 13	19 ^h 14	1 ^h 58	25 ^h 40	19 ^h 51	14 ^h 58	18 ^h 28	15 ^h 18	11 ^h 51	7 ^h 40	8 ^h 10	25 ^h 6	8 ^h 27	W 8
T 9	23 50 32	25 ^h 43'16	4 ^h 31	20 ^h 27	2 ^h 20	26 ^h 22	20 ^h 3	15 ^h 5	18 ^h 31	15 ^h 16	11 ^h 50	7 ^h 40	8 ^h 6	25 ^h 12	8 ^h 25	T 9
F 10	23 54 28	26 ^h 42'07	16 ^h 7	21 ^h 40	2 ^h 41	27 ^h 4	20 ^h 15	15 ^h 12	18 ^h 34	15 ^h 15	11 ^h 49	7 ^h 39	8 ^h 3	25 ^h 19	8 ^h 23	F 10
S 11	23 58 25	27 ^h 41'00	28 ^h 0	22 ^h 50	3 ^h 0	27 ^h 45	20 ^h 26	15 ^h 20	18 ^h 37	15 ^h 13	11 ^h 48	7 ^h 38	8 ^h 0	25 ^h 26	8 ^h 21	S 11
S 12	0 2 21	28 ^h 39'55	9 ^h 55	23 ^h 59	3 ^h 16	28 ^h 27	20 ^h 38	15 ^h 27	18 ^h 40	15 ^h 11	11 ^h 47	7 ^h 37	7 ^h 57	25 ^h 32	8 ^h 19	S 12
M13	0 6 18	29 ^h 38'52	21 ^h 56	25 ^h 6	3 ^h 31	29 ^h 9	20 ^h 49	15 ^h 34	18 ^h 43	15 ^h 10	11 ^h 46	7 ^h 36	7 ^h 54	25 ^h 39	8 ^h 17	M13
T 14	0 10 14	0 ^h 53'50	4 ^h 3	26 ^h 10	3 ^h 44	29 ^h 52	21 ^h 1	15 ^h 41	18 ^h 46	15 ^h 8	11 ^h 46	7 ^h 35	7 ^h 51	25 ^h 46	8 ^h 15	T 14
W15	0 14 11	1 ^h 36'51	16 ^h 30	27 ^h 13	3 ^h 55	0 ^h 34	21 ^h 12	15 ^h 48	18 ^h 49	15 ^h 7	11 ^h 45	7 ^h 34	7 ^h 47	25 ^h 53	8 ^h 12	W15
T 16	0 18 7	2 ^h 35'53	29 ^h 5	28 ^h 13	4 ^h 4	1 ^h 16	21 ^h 24	15 ^h 55	18 ^h 52	15 ^h 5	11 ^h 44	7 ^h 34	7 ^h 44	25 ^h 59	8 ^h 10	T 16
F 17	0 22 4	3 ^h 34'57	11 ^h 54	29 ^h 10	4 ^h 10	1 ^h 59	21 ^h 35	16 ^h 2	18 ^h 55	15 ^h 3	11 ^h 43	7 ^h 34	7 ^h 41	26 ^h 6	8 ^h 8	F 17
S 18	0 26 0	4 ^h 34'03	24 ^h 58	0 ^h 4	4 ^h 14	2 ^h 41	21 ^h 46	16 ^h 9	18 ^h 58	15 ^h 2	11 ^h 43	7 ^h 34	7 ^h 38	26 ^h 13	8 ^h 5	S 18
S 19	0 29 57	5 ^h 33'12	8 ^h 14	0 ^h 55	4 ^h 16	3 ^h 24	21 ^h 57	16 ^h 17	19 ^h 1	15 ^h 0	11 ^h 42	7 ^h 34	7 ^h 35	26 ^h 19	8 ^h 3	S 19
M20	0 33 54	6 ^h 32'23	21 ^h 44	1 ^h 43	4 ^h 16	4 ^h 6	22 ^h 9	16 ^h 24	19 ^h 4	14 ^h 58	11 ^h 41	7 ^h 34	7 ^h 32	26 ^h 26	8 ^h 0	M20
T 21	0 37 50	7 ^h 31'36	5 ^h 26	2 ^h 27	4 ^h 13	4 ^h 49	22 ^h 20	16 ^h 31	19 ^h 6	14 ^h 57	11 ^h 41	7 ^h 34	7 ^h 28	26 ^h 33	7 ^h 58	T 21
W22	0 41 47	8 ^h 30'52	19 ^h 19	3 ^h 7	4 ^h 8	5 ^h 32	22 ^h 30	16 ^h 38	19 ^h 9	14 ^h 55	11 ^h 40	7 ^h 34	7 ^h 25	26 ^h 40	7 ^h 55	W22
T 23	0 45 43	9 ^h 30'10	3 ^h 32	3 ^h 43	4 ^h 1	6 ^h 15	22 ^h 41	16 ^h 45	19 ^h 12	14 ^h 53	11 ^h 39	7 ^h 34	7 ^h 22	26 ^h 46	7 ^h 52	T 23
F 24	0 49 40	10 ^h 29'30	17 ^h 32	4 ^h 13	3 ^h 51	6 ^h 58	22 ^h 52	16 ^h 53	19 ^h 15	14 ^h 52	11 ^h 39	7 ^h 34	7 ^h 19	26 ^h 53	7 ^h 50	F 24
S 25	0 53 36	11 ^h 28'53	1 ^h 48	4 ^h 38	3 ^h 38	7 ^h 41	23 ^h 3	17 ^h 0	19 ^h 17	14 ^h 50	11 ^h 38	7 ^h 35	7 ^h 16	27 ^h 0	7 ^h 47	S 25
S 26	0 57 33	12 ^h 28'18	16 ^h 8	4 ^h 58	3 ^h 24	8 ^h 25	23 ^h 13	17 ^h 7	19 ^h 20	14 ^h 48	11 ^h 38	7 ^h 35	7 ^h 12	27 ^h 6	7 ^h 44	S 26
M27	1 1 29	13 ^h 27'45	0 ^h 27	5 ^h 11	3 ^h 7	9 ^h 8	23 ^h 24	17 ^h 15	19 ^h 22	14 ^h 47	11 ^h 37	7 ^h 35	7 ^h 9	27 ^h 13	7 ^h 42	M27
T 28	1 5 26	14 ^h 27'15	14 ^h 42	5 ^h 17	2 ^h 47	9 ^h 51	23 ^h 34	17 ^h 22	19 ^h 25	14 ^h 45	11 ^h 37	7 ^h 36	7 ^h 6	27 ^h 20	7 ^h 39	T 28
W29	1 9 23	15 ^h 26'46	28 ^h 48	5 ^h 16	2 ^h 26	10 ^h 35	23 ^h 45	17 ^h 29	19 ^h 27	14 ^h 43	11 ^h 36	7 ^h 36	7 ^h 3	27 ^h 27	7 ^h 36	W29
T 30	1 13 19	16 ^h 26'20	12 ^h 43	5 ^h 18	2 ^h 12	11 ^h 31	23 ^h 55	17 ^h 36	19 ^h 30	14 ^h 42	11 ^h 36	7 ^h 36	7 ^h 0	27 ^h 33	7 ^h 33	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	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
W 1	4n48	5n22	1n35	4s51	0s59	15s53	5s14	19s 8	1 s 9	16n 0	0n42	3s29	2n18	16n 5	0n40	4n31	1s44	25s31	8s38	3n 1	3n24	26s11	13n11	1s18			
T 2	4 25	1s29	0 18	5 31	1 7	16 12	5 22	19 19	1 10	15 56	0 42	3 32	2 18	16 4	0 40	4 30	1 44	25 32	8 38	3 1	3 22	26 9	13 11	1 19			
F 3	4 2	8 6	0s59	6 10	1 15	16 31	5 29	19 30	1 10	15 53	0 42	3 35	2 17	16 3	0 40	4 29	1 44	25 32	8 38	3 1	3 21	26 8	13 10	1 19			
S 4	3 39	14 9	2 10	6 49	1 23	16 49	5 37	19 41	1 11	15 49	0 42	3 37	2 17	16 2	0 40	4 29	1 44	25 32	8 38	3 2	3 20	26 7	13 9	1 19			
S 5	3 16	19 24	3 12	7 28	1 30	17 6	5 45	19 52	1 11	15 45	0 42	3 40	2 17	16 1	0 40	4 28	1 44	25 32	8 38	3 2	3 18	26 5	13 9	1 19			
M 6	2 52	23 37	4 2	8 5	1 38	17 23	5 52	20 3	1 12	15 42	0 42	3 43	2 17	16 0	0 40	4 28	1 44	25 32	8 38	3 3	3 17	26 4	13 8	1 19			
T 7	2 29	26 38	4 40	8 42	1 46	17 39	5 59	20 13	1 12	15 38	0 43	3 46	2 17	15 59	0 40	4 27	1 44	25 33	8 38	3 3	3 16	26 2	13 7	1 19			
W 8	2 6	28 21	5 5	9 18	1 53	17 55	6 7	20 24	1 12	15 34	0 43	3 48	2 17	15 58	0 40	4 26	1 44	25 33	8 38	3 3	3 15	26 1	13 6	1 19			
T 9	1 42	28 41	5 16	9 53	2 1	18 9	6 14	20 34	1 13	15 31	0 43	3 51	2 17	15 57	0 40	4 26	1 44	25 33	8 37	3 3	3 13	25 59	13 6	1 20			
F 10	1 19	27 42	5 13	10 27	2 8	18 23	6 21	20 44	1 13	15 27	0 43	3 54	2 17	15 56	0 40	4 25	1 44	25 33	8 37	3 3	3 12	25 57	13 5	1 20			
S 11	0 55	25 27	4 57	11 0	2 15	18 36	6 28	20 54	1 14	15 24	0 43	3 57	2 17	15 55	0 40	4 24	1 44	25 33	8 37	3 2	3 11	25 56	13 4	1 20			
S 12	0 32	22 6	4 28	11 32	2 22	18 48	6 35	21 4	1 14	15 20	0 43	3 59	2 17	15 54	0 40	4 24	1 44	25 33	8 37	3 2	3 10	25 54	13 3	1 20			
M13	0 8	17 48	3 47	12 3	2 29	19 0	6 41	21 14	1 14	15 17	0 43	4 2	2 17	15 53	0 40	4 23	1 44	25 34	8 37	3 1	3 8	25 53	13 2	1 20			
T 14	0s15	12 44	2 55	12 33	2 36	19 10	6 47	21 23	1 15	15 13	0 44	4 5	2 17	15 53	0 40	4 23	1 44	25 34	8 37	3 1	3 7	25 51	13 1	1 20			
W15	0 39	7 6	1 54	13 2	2 42	19 20	6 53	21 33	1 15	15 9	0 44	4 8	2 17	15 52	0 40	4 22	1 44	25 34	8 37	3 1	3 6	25 50	13 0	1 21			
T 16	1 2	1 5	0 47	13 29	2 48	19 28	6 59	21 42	1 15	15 6	0 44	4 11	2 17	15 51	0 40	4 21	1 44	25 34	8 37	3 1	3 5	25 48	13 0	1 21			
F 17	1 26	5n 5	0n24	13 55	2 54	19 35	7 5	21 51	1 16	15 2	0 44	4 13	2 17	15 50	0 40	4 21	1 44	25 34	8 37	3 1	3 3	25 47	12 59	1 21			
S 18	1 49	11 10	1 35	14 19	2 59	19 41	7 10	22 0	1 16	14 59	0 44	4 16	2 17	15 49	0 40	4 20	1 44	25 34	8 36	3 1	3 2	25 45	12 58	1 21			
S 19	2 13	16 51	2 42	14 42	3 4	19 47	7 14	22 8	1 16	14 55	0 44	4 19	2 17	15 48	0 40	4 19	1 44	25 34	8 36	3 1	3 1	25 43	12 57	1 21			
M20	2 36	21 48	3 41	15 3	3 9	19 51	7 19	22 17	1 17	14 52	0 44	4 22	2 17	15 47	0 40	4 19	1 44	25 34	8 36	3 1	3 0	25 42	12 56	1 21			
T 21	3 0	25 40	4 29	15 22	3 13	19 53	7 23	22 25	1 17	14 49	0 45	4 25	2 17	15 46	0 41	4 18	1 44	25 34	8 36	3 1	2 58	25 40	12 55	1 21			
W22	3 23	28 4	5 1	15 39	3 16	19 55	7 26	22 33	1 17	14 45	0 45	4 27	2 16	15 46	0 41	4 17	1 44	25 34	8 36	3 1	2 57	25 39	12 54	1 22			
T 23	3 46	28 43	5 16	15 54	3 19	19 55	7 29	22 41	1 17	14 42	0 45	4 30	2 16	15 45	0 41	4 17	1 44	25 34	8 36	3 1	2 56	25 37	12 53	1 22			
F 24	4 10	27 30	5 12	16 7	3 21	19 54	7 31	22 48	1 18	14 38	0 45	4 33	2 16	15 44	0 41	4 16	1 44	25 34	8 36	3 1	2 55	25 35	12 52	1 22			
S 25	4 33	24 30	4 49	16 16	3 22	19 51	7 33	22 56	1 18	14 35	0 45	4 36	2 16	15 43	0 41	4 15	1 44	25 34	8 36	3 1	2 53	25 34	12 51	1 22			
S 26	4 56	19 59	4 8	16 23	3 23	19 47	7 35	23 3	1 18	14 32	0 45	4 39	2 16	15 42	0 41	4 15	1 44	25 34	8 35	3 1	2 52	25 32	12 50	1 22			
M27	5 20	14 20	3 12	16 27	3 22	19 42	7 35	23 10	1 19	14 28	0 46	4 41	2 16	15 42	0 41	4 14	1 44	25 34	8 35	3 1	2 51	25 30	12 49	1 22			
T 28	5 43	7 57	2 4	16 28	3 20	19 35	7 35	23 17	1 19	14 25	0 46	4 44	2 16	15 41	0 41	4 13	1 44	25 34	8 35	3 1	2 50	25 29	12 48	1 22			
W29	6 6	1 13	0 49	16 24	3 17	19 26	7 34	23 24	1 19	14 22	0 46	4 47	2 16	15 40	0 41	4 13	1 44	25 34	8 35	3 2	2 48	25 27	12 47	1 22			
T 30	6s29	5s28	0s28	16s17	3s13	19s16	7s33	23s30	1s19	14n19	0n46	4s50	2n16	15n39	0n41	4n12	1s44	25s34	8s35	3n 2	2n47	25s26	12n46	1s23			

ASTRODIENST EPHEMERIS for the year 1540
geocentric

OCTOBER 1540 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	1 17 16	17 ²⁵ 56	26 ²² 22	4 ⁵¹ R51	1 ³⁶ R36	12 ² ♂ 2	24 ⁵ ♂ 5	17 ⁴⁴ ♂ 44	19 ³² ♂ 32	14 ⁴⁰ R40	11 ³⁶ R36	7 ³⁶ R36	6 ⁵⁷ ♂ 57	27 ⁴⁰ ♂ 40	7 ³⁰ R30	F 1
S 2	1 21 12	18 ²⁵ 34	9 ⁴³ ♂ 43	4 ²⁵ ♂ 25	1 ⁹ ♂ 9	12 ⁴⁶ ♂ 46	24 ¹⁵ ♂ 15	17 ⁵¹ ♂ 51	19 ³⁵ ♂ 35	14 ³⁸ ♂ 38	11 ³⁵ ♂ 35	7 ³⁵ ♂ 35	6 ⁵³ ♂ 53	27 ⁴⁷ ♂ 47	7 ²⁸ ♂ 28	S 2
S 3	1 25 9	19 ²⁵ 13	22 ⁴⁶ ♂ 46	3 ⁵¹ ♂ 51	0 ³⁹ ♂ 39	13 ³⁰ ♂ 30	24 ²⁵ ♂ 25	17 ⁵⁸ ♂ 58	19 ³⁷ ♂ 37	14 ³⁷ ♂ 37	11 ³⁵ ♂ 35	7 ³⁴ ♂ 34	6 ⁵⁰ ♂ 50	27 ⁵³ ♂ 53	7 ²⁵ ♂ 25	S 3
M 4	1 29 5	20 ²⁴ 55	5 ²⁹ ♂ 29	3 ⁸ ♂ 8	0 ⁸ ♂ 8	14 ¹⁴ ♂ 14	24 ³⁵ ♂ 35	18 ⁶ ♂ 6	19 ³⁹ ♂ 39	14 ³⁵ ♂ 35	11 ³⁵ ♂ 35	7 ³² ♂ 32	6 ⁴⁷ ♂ 47	28 ⁰ ♂ 0	7 ²² ♂ 22	M 4
T 5	1 33 2	21 ²⁴ 39	17 ⁵⁵ ♂ 55	2 ¹⁶ ♂ 16	29 ³⁶ ♂ 36	14 ⁵⁸ ♂ 58	24 ⁴⁵ ♂ 45	18 ¹³ ♂ 13	19 ⁴¹ ♂ 41	14 ³³ ♂ 33	11 ³⁴ ♂ 34	7 ³⁰ ♂ 30	6 ⁴⁴ ♂ 44	28 ⁷ ♂ 7	7 ¹⁹ ♂ 19	T 5
W 6	1 36 58	22 ²⁴ 24	0 ⁷ ♂ 7	1 ¹⁷ ♂ 17	29 ² ♂ 2	15 ⁴² ♂ 42	24 ⁵⁴ ♂ 54	18 ²⁰ ♂ 20	19 ⁴⁴ ♂ 44	14 ³² ♂ 32	11 ³⁴ ♂ 34	7 ²⁸ ♂ 28	6 ⁴¹ ♂ 41	28 ¹⁴ ♂ 14	7 ¹⁶ ♂ 16	W 6
T 7	1 40 55	23 ²⁴ 11	12 ⁷ ♂ 7	0 ¹¹ ♂ 11	28 ²⁸ ♂ 28	16 ²⁶ ♂ 26	25 ⁴ ♂ 4	18 ²⁷ ♂ 27	19 ⁴⁶ ♂ 46	14 ³⁰ ♂ 30	11 ³⁴ ♂ 34	7 ²⁷ ♂ 27	6 ³⁸ ♂ 38	28 ²⁰ ♂ 20	7 ¹³ ♂ 13	T 7
F 8	1 44 52	24 ²⁴ 00	24 ² ♂ 2	29 ⁰ ♂ 0	27 ⁵² ♂ 52	17 ¹⁰ ♂ 10	25 ¹³ ♂ 13	18 ³⁵ ♂ 35	19 ⁴⁸ ♂ 48	14 ²⁸ ♂ 28	11 ³⁴ ♂ 34	7 ²⁷ ♂ 27	6 ³⁴ ♂ 34	28 ²⁷ ♂ 27	7 ¹⁰ ♂ 10	F 8
S 9	1 48 48	25 ²³ 51	5 ⁵⁴ ♂ 54	27 ⁴⁵ ♂ 45	27 ¹⁶ ♂ 16	17 ⁵⁵ ♂ 55	25 ²³ ♂ 23	18 ⁴² ♂ 42	19 ⁵⁰ ♂ 50	14 ²⁷ ♂ 27	11 ³³ ♂ 33	7 ²⁷ ♂ 27	6 ³¹ ♂ 31	28 ³⁴ ♂ 34	7 ⁷ ♂ 7	S 9
S 10	1 52 45	26 ²³ 43	17 ⁴⁹ ♂ 49	26 ²⁹ ♂ 29	26 ³⁹ ♂ 39	18 ³⁹ ♂ 39	25 ³² ♂ 32	18 ⁴⁹ ♂ 49	19 ⁵² ♂ 52	14 ²⁵ ♂ 25	11 ³³ ♂ 33	7 ²⁸ ♂ 28	6 ²⁸ ♂ 28	28 ⁴⁰ ♂ 40	7 ⁴ ♂ 4	S 10
M 11	1 56 41	27 ²³ 37	29 ⁵² ♂ 52	25 ¹³ ♂ 13	26 ³ ♂ 3	19 ²³ ♂ 23	25 ⁴¹ ♂ 41	18 ⁵⁶ ♂ 56	19 ⁵⁴ ♂ 54	14 ²³ ♂ 23	11 ³³ ♂ 33	7 ³⁰ ♂ 30	6 ²⁵ ♂ 25	28 ⁴⁷ ♂ 47	7 ¹ ♂ 1	M 11
T 12	2 0 38	28 ²³ 32	12 ⁶ ♂ 6	24 ¹ ♂ 1	25 ²⁶ ♂ 26	20 ⁸ ♂ 8	25 ⁵⁰ ♂ 50	19 ⁴ ♂ 4	19 ⁵⁶ ♂ 56	14 ²² ♂ 22	11 ³³ ♂ 33	7 ³¹ ♂ 31	6 ²² ♂ 22	28 ⁵⁴ ♂ 54	6 ⁵⁸ ♂ 58	T 12
W 13	2 4 34	29 ²³ 30	24 ³⁶ ♂ 36	22 ⁵⁴ ♂ 54	24 ⁵⁰ ♂ 50	20 ⁵³ ♂ 53	25 ⁵⁹ ♂ 59	19 ¹¹ ♂ 11	19 ⁵⁸ ♂ 58	14 ²⁰ ♂ 20	11 ³³ ♂ 33	7 ³² ♂ 32	6 ¹⁸ ♂ 18	29 ¹ ♂ 1	6 ⁵⁵ ♂ 55	W 13
T 14	2 8 31	0 ²³ 29	7 ⁴ ♂ 4	21 ⁵⁴ ♂ 54	24 ¹⁴ ♂ 14	21 ³⁷ ♂ 37	26 ⁸ ♂ 8	19 ¹⁸ ♂ 18	19 ⁵⁹ ♂ 59	14 ¹⁹ ♂ 19	11 ³³ ♂ 33	7 ³³ ♂ 33	6 ¹⁵ ♂ 15	29 ⁷ ♂ 7	6 ⁵¹ ♂ 51	T 14
F 15	2 12 27	1 ²³ 29	20 ³¹ ♂ 31	21 ³ ♂ 3	23 ⁴⁰ ♂ 40	22 ²² ♂ 22	26 ¹⁶ ♂ 16	19 ²⁵ ♂ 25	20 ¹ ♂ 1	14 ¹⁷ ♂ 17	11 ³³ ♂ 33	7 ³² ♂ 32	6 ¹² ♂ 12	29 ¹⁴ ♂ 14	6 ⁴⁸ ♂ 48	F 15
S 16	2 16 24	2 ²³ 32	3 ⁵⁷ ♂ 57	20 ²³ ♂ 23	23 ⁶ ♂ 6	23 ⁷ ♂ 7	26 ²⁵ ♂ 25	19 ³² ♂ 32	20 ³ ♂ 3	14 ¹⁵ ♂ 15	11 ³³ ♂ 33	7 ³¹ ♂ 31	6 ⁹ ♂ 9	29 ²¹ ♂ 21	6 ⁴⁵ ♂ 45	S 16
S 17	2 20 21	3 ²³ 37	17 ⁴¹ ♂ 41	19 ⁵⁴ ♂ 54	22 ³⁴ ♂ 34	23 ⁵² ♂ 52	26 ³³ ♂ 33	19 ⁴⁰ ♂ 40	20 ⁵ ♂ 5	14 ¹⁴ ♂ 14	11 ³³ ♂ 33	7 ²⁸ ♂ 28	6 ⁶ ♂ 6	29 ²⁷ ♂ 27	6 ⁴² ♂ 42	S 17
M 18	2 24 17	4 ²³ 43	1 ³⁹ ♂ 39	19 ³⁶ ♂ 36	22 ⁴ ♂ 4	24 ³⁶ ♂ 36	26 ⁴¹ ♂ 41	19 ⁴⁷ ♂ 47	20 ⁶ ♂ 6	14 ¹² ♂ 12	11 ³³ ♂ 33	7 ²⁴ ♂ 24	6 ³ ♂ 3	29 ³⁴ ♂ 34	6 ³⁹ ♂ 39	M 18
T 19	2 28 14	5 ²³ 52	15 ⁴⁸ ♂ 48	19 ⁵⁰ ♂ 50	21 ³⁵ ♂ 35	25 ²¹ ♂ 21	26 ⁵⁰ ♂ 50	19 ⁵⁴ ♂ 54	20 ⁸ ♂ 8	14 ¹¹ ♂ 11	11 ³³ ♂ 33	7 ¹⁹ ♂ 19	5 ⁵⁹ ♂ 59	29 ⁴¹ ♂ 41	6 ³⁶ ♂ 36	T 19
W 20	2 32 10	6 ²⁴ 03	0 ⁵ ♂ 5	19 ³⁵ ♂ 35	21 ⁸ ♂ 8	26 ⁷ ♂ 7	26 ⁵⁸ ♂ 58	20 ¹ ♂ 1	20 ⁹ ♂ 9	14 ⁹ ♂ 9	11 ³³ ♂ 33	7 ¹⁶ ♂ 16	5 ⁵⁶ ♂ 56	29 ⁴⁸ ♂ 48	6 ³³ ♂ 33	W 20
T 21	2 36 7	7 ²⁴ 15	14 ²¹ ♂ 21	19 ⁵¹ ♂ 51	20 ⁴³ ♂ 43	26 ⁵² ♂ 52	27 ⁶ ♂ 6	20 ⁸ ♂ 8	20 ¹¹ ♂ 11	14 ⁸ ♂ 8	11 ³³ ♂ 33	7 ¹² ♂ 12	5 ⁵³ ♂ 53	29 ⁵⁴ ♂ 54	6 ³⁰ ♂ 30	T 21
F 22	2 40 3	8 ²⁴ 30	28 ³⁶ ♂ 36	20 ¹⁷ ♂ 17	20 ²⁰ ♂ 20	27 ³⁷ ♂ 37	27 ¹³ ♂ 13	20 ¹⁵ ♂ 15	20 ¹² ♂ 12	14 ⁶ ♂ 6	11 ³³ ♂ 33	7 ¹¹ ♂ 11	5 ⁵⁰ ♂ 50	0 ¹ ♂ 1	6 ²⁷ ♂ 27	F 22
S 23	2 44 0	9 ²⁴ 47	12 ⁴⁶ ♂ 46	20 ⁵³ ♂ 53	19 ⁵⁹ ♂ 59	28 ²² ♂ 22	27 ²¹ ♂ 21	20 ²² ♂ 22	20 ¹³ ♂ 13	14 ⁵ ♂ 5	11 ³⁴ ♂ 34	7 ¹⁰ ♂ 10	5 ⁴⁷ ♂ 47	0 ⁸ ♂ 8	6 ²³ ♂ 23	S 23
S 24	2 47 56	10 ²⁵ 06	26 ⁵¹ ♂ 51	21 ³⁶ ♂ 36	19 ⁴¹ ♂ 41	29 ⁷ ♂ 7	27 ²⁸ ♂ 28	20 ²⁹ ♂ 29	20 ¹⁵ ♂ 15	14 ³ ♂ 3	11 ³⁴ ♂ 34	7 ¹¹ ♂ 11	5 ⁴³ ♂ 43	0 ¹⁴ ♂ 14	6 ²⁰ ♂ 20	S 24
M 25	2 51 53	11 ²⁵ 27	10 ⁴⁷ ♂ 47	22 ²⁷ ♂ 27	19 ²⁵ ♂ 25	29 ⁵³ ♂ 53	27 ³⁶ ♂ 36	20 ³⁶ ♂ 36	20 ¹⁶ ♂ 16	14 ² ♂ 2	11 ³⁴ ♂ 34	7 ¹³ ♂ 13	5 ⁴⁰ ♂ 40	0 ²¹ ♂ 21	6 ¹⁷ ♂ 17	M 25
T 26	2 55 50	12 ²⁵ 50	24 ³⁵ ♂ 35	23 ²⁴ ♂ 24	19 ¹² ♂ 12	0 ³⁸ ♂ 38	27 ⁴³ ♂ 43	20 ⁴³ ♂ 43	20 ¹⁷ ♂ 17	14 ⁰ ♂ 0	11 ³⁴ ♂ 34	7 ¹⁴ ♂ 14	5 ³⁷ ♂ 37	0 ²⁸ ♂ 28	6 ¹⁴ ♂ 14	T 26
W 27	2 59 46	13 ²⁶ 14	8 ¹⁴ ♂ 14	24 ²⁷ ♂ 27	19 ¹ ♂ 1	1 ²⁴ ♂ 24	27 ⁵⁰ ♂ 50	20 ⁵⁰ ♂ 50	20 ¹⁸ ♂ 18	13 ⁵⁹ ♂ 59	11 ³⁵ ♂ 35	7 ¹⁵ ♂ 15	5 ³⁴ ♂ 34	0 ³⁵ ♂ 35	6 ¹¹ ♂ 11	W 27
T 28	3 3 43	14 ²⁶ 41	21 ⁴² ♂ 42	25 ³⁵ ♂ 35	18 ⁵² ♂ 52	2 ⁹ ♂ 9	27 ⁵⁷ ♂ 57	20 ⁵⁷ ♂ 57	20 ¹⁹ ♂ 19	13 ⁵⁸ ♂ 58	11 ³⁵ ♂ 35	7 ¹⁴ ♂ 14	5 ³¹ ♂ 31	0 ⁴¹ ♂ 41	6 ⁸ ♂ 8	T 28
F 29	3 7 39	15 ²⁷ 09	4 ⁵ ♂ 5	26 ⁴⁷ ♂ 47	18 ⁴⁶ ♂ 46	2 ⁵⁵ ♂ 55	28 ⁴ ♂ 4	21 ⁴ ♂ 4	20 ²⁰ ♂ 20	13 ⁵⁶ ♂ 56	11 ³⁵ ♂ 35	7 ¹¹ ♂ 11	5 ²⁸ ♂ 28	0 ⁴⁸ ♂ 48	6 ⁵ ♂ 5	F 29
S 30	3 11 36	16 ²⁷ 39	18 ³ ♂ 3	28 ³ ♂ 3	18 ⁴³ ♂ 43	3 ⁴⁰ ♂ 40	28 ¹¹ ♂ 11	21 ¹¹ ♂ 11	20 ²¹ ♂ 21	13 ⁵⁵ ♂ 55	11 ³⁶ ♂ 36	7 ⁶ ♂ 6	5 ²⁴ ♂ 24	0 ⁵⁵ ♂ 55	6 ² ♂ 2	S 30
S 31	3 15 32	17 ²⁸ 11	0 ⁵³ ♂ 53	29 ²² ♂ 22	18 ⁴² ♂ 42	4 ²⁶ ♂ 26	28 ¹⁷ ♂ 17	21 ¹⁷ ♂ 17	20 ²² ♂ 22	13 ⁵³ ♂ 53	11 ³⁶ ♂ 36	6 ⁵⁹ ♂ 59	5 ²¹ ♂ 21	1 ¹ ♂ 1	5 ⁵⁹ ♂ 59	S 31

Day	☉	☽		♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	6s52	11s47	1s42	16s 6	3s 7	19s 5	7s30	23s36	1s19	14n15	0n46	4s52	2n16	15n39	0n41	4n12	1s44	25s34	8s35
S 2	7 14	17 26	2 48	15 50	2 59	18 52	7 27	23 42	1 20	14 12	0 46	4 55	2 16	15 38	0 41	4 11	1 44	25 34	8 34
S 3	7 37	22 8	3 44	15 30	2 50	18 38	7 23	23 48	1 20	14 9	0 47	4 58	2 16	15 37	0 41	4 10	1 44	25 34	8 34
M 4	8 0	25 40	4 28	15 5	2 39	18 23	7 18	23 53	1 20	14 6	0 47	5 1	2 16	15 37	0 41	4 10	1 44	25 34	8 34
T 5	8 22	27 53	4 58	14 35	2 26	18 6	7 13	23 59	1 20	14 3	0 47	5 3	2 16	15 36	0 41	4 9	1 44	25 34	8 34
W 6	8 45	28 43	5 13	14 0	2 12	17 47	7 6	24 4	1 20	14 0	0 47	5 6	2 16	15 35	0 41	4 8	1 44	25 34	8 34
T 7	9 7	28 10	5 15	13 22	1 55	17 28	6 59	24 9	1 21	13 57	0 47	5 9	2 16	15 35	0 41	4 8	1 44	25 34	8 34
F 8	9 29	26 19	5 3	12 40	1 37	17 7	6 51	24 13	1 21	13 54	0 48	5 12	2 17	15 34	0 41	4 7	1 44	25 34	8 34
S 9	9 51	23 20	4 38	11 55	1 18	16 46	6 42	24 17	1 21	13 51	0 48	5 14	2 17	15 33	0 41	4 6	1 44	25 34	8 33
S 10	10 13	19 21	4 1	11 9	0 58	16 23	6 32	24 22	1 21	13 48	0 48	5 17	2 17	15 33	0 41	4 6	1 44	25 34	8 33
M11	10 34	14 33	3 13	10 22	0 38	16 0	6 22	24 25	1 21	13 45	0 48	5 20	2 17	15 32	0 41	4 5	1 44	25 34	8 33
T 12	10 56	9 8	2 16	9 36	0 17	15 36	6 10	24 29	1 21	13 42	0 48	5 23	2 17	15 32	0 41	4 5	1 44	25 34	8 33
W13	11 17	3 14	1 11	8 52	0n 3	15 11	5 59	24 32	1 21	13 39	0 49	5 25	2 17	15 31	0 41	4 4	1 44	25 33	8 33
T 14	11 38	2n56	0 1	8 12	0 23	14 47	5 46	24 35	1 21	13 36	0 49	5 28	2 17	15 31	0 41	4 3	1 44	25 33	8 33
F 15	11 59	9 7	1n11	7 36	0 42	14 22	5 33	24 38	1 21	13 34	0 49	5 31	2 17	15 30	0 41	4 3	1 44	25 33	8 32
S 16	12 20	15 4	2 20	7 5	0 59	13 56	5 19	24 41	1 22	13 31	0 49	5 33	2 17	15 30	0 41	4 2	1 44	25 33	8 32
S 17	12 41	20 23	3 23	6 39	1 14	13 31	5 5	24 43	1 22	13 28	0 49	5 36	2 17	15 29	0 41	4 2	1 44	25 33	8 32
M18	13 1	24 41	4 14	6 20	1 28	13 7	4 51	24 45	1 22	13 26	0 50	5 39	2 17	15 29	0 42	4 1	1 44	25 33	8 32
T 19	13 21	27 34	4 51	6 6	1 40	12 42	4 37	24 47	1 22	13 23	0 50	5 41	2 17	15 28	0 42	4 0	1 44	25 32	8 32
W20	13 41	28 40	5 10	5 59	1 50	12 18	4 22	24 48	1 22	13 20	0 50	5 44	2 17	15 28	0 42	4 0	1 44	25 32	8 32
T 21	14 1	27 52	5 10	5 57	1 59	11 55	4 7	24 50	1 22	13 18	0 50	5 46	2 17	15 27	0 42	3 59	1 44	25 32	8 31
F 22	14 21	25 14	4 51	6 1	2 5	11 32	3 51	24 51	1 22	13 15	0 50	5 49	2 17	15 27	0 42	3 59	1 44	25 32	8 31
S 23	14 40	21 5	4 14	6 9	2 10	11 10	3 36	24 51	1 22	13 13	0 51	5 52	2 17	15 26	0 42	3 58	1 44	25 32	8 31
S 24	14 59	15 46	3 23	6 22	2 14	10 49	3 21	24 52	1 22	13 11	0 51	5 54	2 17	15 26	0 42	3 58	1 44	25 31	8 31
M25	15 18	9 41	2 19	6 39	2 16	10 29	3 6	24 52	1 22	13 8	0 51	5 57	2 17	15 26	0 42	3 57	1 44	25 31	8 31
T 26	15 36	3 12	1 8	6 59	2 17	10 10	2 51	24 52	1 22	13 6	0 51	5 59	2 18	15 25	0 42	3 56	1 44	25 31	8 31
W27	15 55	3s21	0s 5	7 22	2 17	9 52	2 36	24 51	1 22	13 4	0 52	6 2	2 18	15 25	0 42	3 56	1 44	25 31	8 30
T 28	16 13	9 41	1 18	7 48	2 16	9 35	2 21	24 51	1 22	13 2	0 52	6 4	2 18	15 25	0 42	3 55	1 44	25 30	8 30
F 29	16 31	15 29	2 25	8 16	2 14	9 20	2 7	24 50	1 22	12 59	0 52	6 7	2 18	15 24	0 42	3 55	1 44	25 30	8 30
S 30	16 48	20 30	3 23	8 45	2 12	9 5	1 52	24 49	1 22	12 57	0 52	6 9	2 18	15 24	0 42	3 54	1 44	25 30	8 30
S 31	17s 5	24s27	4s10	9s16	2n 8	8s52	1s38	24s47	1s22	12n55	0n52	6s12	2n18	15n24	0n42	3n54	1s44	25s30	8s30
																		2n47	2n 8
																		24s30	12n12
																		1s26	

ASTRODIENST EPHEMERIS for the year 1540

geocentric

NOVEMBER 1540 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	3 19 29	18 ¹¹ 28'44	13 ¹⁷ 28	0 ¹¹ 43	18 ¹¹ 43	5 ¹² 12	28 ¹² 23	21 ¹¹ 24	20 ¹² 23	13 ¹⁵ R52	11 ¹¹ 36	6 ¹⁵ R52	5 ¹¹ 18	1 ¹¹ 8	5 ¹⁵ R56	M 1
T 2	3 23 25	19 ¹⁰ 29'19	25 ¹⁰ 50	2 ¹⁰ 7	18 ¹⁰ 47	5 ¹⁰ 58	28 ¹⁰ 30	21 ¹⁰ 31	20 ¹⁰ 24	13 ¹⁰ Y51	11 ¹⁰ 37	6 ¹⁰ Y43	5 ¹⁰ 15	1 ¹⁰ 15	5 ¹⁰ 53	T 2
W 3	3 27 22	20 ⁰⁹ 29'55	8 ⁰⁹ 30	3 ⁰⁹ 32	18 ⁰⁹ 53	6 ⁰⁹ 44	28 ⁰⁹ 36	21 ⁰⁹ 38	20 ⁰⁹ 25	13 ⁰⁹ 50	11 ⁰⁹ 37	6 ⁰⁹ 36	5 ⁰⁹ 12	1 ⁰⁹ 22	5 ⁰⁹ 50	W 3
T 4	3 31 19	21 ⁰³ 30'32	20 ⁰³ 0	5 ⁰³ 0	19 ⁰³ 1	7 ⁰³ 30	28 ⁰³ 42	21 ⁰³ 44	20 ⁰³ 25	13 ⁰³ 48	11 ⁰³ 38	6 ⁰³ 30	5 ⁰³ 9	1 ⁰³ 28	5 ⁰³ 47	T 4
F 5	3 35 15	22 ³¹ 31'11	1 ³¹ 52	6 ³¹ 28	19 ³¹ 12	8 ³¹ 16	28 ³¹ 47	21 ³¹ 51	20 ³¹ 26	13 ³¹ 47	11 ³¹ 38	6 ³¹ 25	5 ³¹ 5	1 ³¹ 35	5 ³¹ 44	F 5
S 6	3 39 12	23 ³¹ 31'51	13 ³¹ 43	7 ³¹ 58	19 ³¹ 25	9 ³¹ 2	28 ³¹ 53	21 ³¹ 58	20 ³¹ 27	13 ³¹ 46	11 ³¹ 39	6 ³¹ 23	5 ³¹ 2	1 ³¹ 42	5 ³¹ 41	S 6
S 7	3 43 8	24 ³² 32'32	25 ³² 36	9 ³² 28	19 ³² 39	9 ³² 48	28 ³² 58	22 ³² 4	20 ³² 27	13 ³² 45	11 ³² 40	6 ³² D22	4 ³² 59	1 ³² 48	5 ³² 38	S 7
M 8	3 47 5	25 ³³ 33'14	7 ³³ 36	10 ³³ 59	19 ³³ 56	10 ³³ 34	29 ³³ 4	22 ³³ 11	20 ³³ 28	13 ³³ 44	11 ³³ 40	6 ³³ 23	4 ³³ 56	1 ³³ 55	5 ³³ 35	M 8
T 9	3 51 1	26 ³³ 33'57	19 ³³ 49	12 ³³ 31	20 ³³ 15	11 ³³ 20	29 ³³ 9	22 ³³ 17	20 ³³ 28	13 ³³ 42	11 ³³ 41	6 ³³ 24	4 ³³ 53	2 ³³ 2	5 ³³ 32	T 9
W10	3 54 58	27 ³⁴ 34'41	2 ³⁴ Y19	14 ³⁴ 3	20 ³⁴ 36	12 ³⁴ 6	29 ³⁴ 14	22 ³⁴ 23	20 ³⁴ 29	13 ³⁴ 41	11 ³⁴ 42	6 ³⁴ R25	4 ³⁴ 49	2 ³⁴ 8	5 ³⁴ 29	W10
T 11	3 58 54	28 ³⁵ 35'26	15 ³⁵ 11	15 ³⁵ 35	20 ³⁵ 59	12 ³⁵ 52	29 ³⁵ 18	22 ³⁵ 30	20 ³⁵ 29	13 ³⁵ 40	11 ³⁵ 42	6 ³⁵ 25	4 ³⁵ 46	2 ³⁵ 15	5 ³⁵ 26	T 11
F 12	4 2 51	29 ³⁶ 36'12	28 ³⁶ 28	17 ³⁶ 8	21 ³⁶ 24	13 ³⁶ 39	29 ³⁶ 23	22 ³⁶ 36	20 ³⁶ 29	13 ³⁶ 39	11 ³⁶ 43	6 ³⁶ 22	4 ³⁶ 43	2 ³⁶ 22	5 ³⁶ 24	F 12
S 13	4 6 48	0 ³⁷ 37'00	12 ³⁷ 10	18 ³⁷ 41	21 ³⁷ 50	14 ³⁷ 25	29 ³⁷ 27	22 ³⁷ 42	20 ³⁷ 29	13 ³⁷ 38	11 ³⁷ 44	6 ³⁷ 18	4 ³⁷ 40	2 ³⁷ 29	5 ³⁷ 21	S 13
S 14	4 10 44	1 ³⁷ 37'49	26 ³⁷ 16	20 ³⁷ 14	22 ³⁷ 18	15 ³⁷ 11	29 ³⁷ 32	22 ³⁷ 49	20 ³⁷ 29	13 ³⁷ 37	11 ³⁷ 44	6 ³⁷ 11	4 ³⁷ 37	2 ³⁷ 35	5 ³⁷ 18	S 14
M15	4 14 41	2 ³⁸ 38'38	10 ³⁸ 42	21 ³⁸ 47	22 ³⁸ 48	15 ³⁸ 58	29 ³⁸ 36	22 ³⁸ 55	20 ³⁸ 30	13 ³⁸ 36	11 ³⁸ 45	6 ³⁸ 2	4 ³⁸ 34	2 ³⁸ 42	5 ³⁸ 15	M15
T 16	4 18 37	3 ³⁹ 39'30	25 ³⁹ 20	23 ³⁹ 21	23 ³⁹ 19	16 ³⁹ 44	29 ³⁹ 40	23 ³⁹ 1	20 ³⁹ R30	13 ³⁹ 35	11 ³⁹ 46	5 ³⁹ 52	4 ³⁹ 30	2 ³⁹ 49	5 ³⁹ 13	T 16
W17	4 22 34	4 ⁴⁰ 40'22	10 ⁴⁰ 5	24 ⁴⁰ 54	23 ⁴⁰ 52	17 ⁴⁰ 31	29 ⁴⁰ 43	23 ⁴⁰ 7	20 ⁴⁰ 30	13 ⁴⁰ 34	11 ⁴⁰ 47	5 ⁴⁰ 43	4 ⁴⁰ 27	2 ⁴⁰ 55	5 ⁴⁰ 10	W17
T 18	4 26 30	5 ⁴¹ 41'16	24 ⁴¹ 46	26 ⁴¹ 28	24 ⁴¹ 27	18 ⁴¹ 17	29 ⁴¹ 47	23 ⁴¹ 13	20 ⁴¹ 29	13 ⁴¹ 33	11 ⁴¹ 48	5 ⁴¹ 35	4 ⁴¹ 24	3 ⁴¹ 2	5 ⁴¹ 8	T 18
F 19	4 30 27	6 ⁴² 42'10	9 ⁴² 19	28 ⁴² 1	25 ⁴² 2	19 ⁴² 4	29 ⁴² 50	23 ⁴² 19	20 ⁴² 29	13 ⁴² 32	11 ⁴² 49	5 ⁴² 30	4 ⁴² 21	3 ⁴² 9	5 ⁴² 5	F 19
S 20	4 34 24	7 ⁴³ 43'07	23 ⁴³ 38	29 ⁴³ 35	25 ⁴³ 39	19 ⁴³ 50	29 ⁴³ 53	23 ⁴³ 25	20 ⁴³ 29	13 ⁴³ 32	11 ⁴³ 50	5 ⁴³ 27	4 ⁴³ 18	3 ⁴³ 16	5 ⁴³ 2	S 20
S 21	4 38 20	8 ⁴⁴ 44'04	7 ⁴⁴ 42	1 ⁴⁴ 8	26 ⁴⁴ 18	20 ⁴⁴ 37	29 ⁴⁴ 56	23 ⁴⁴ 31	20 ⁴⁴ 29	13 ⁴⁴ 31	11 ⁴⁴ 51	5 ⁴⁴ D26	4 ⁴⁴ 15	3 ⁴⁴ 22	5 ⁴⁴ 0	S 21
M22	4 42 17	9 ⁴⁵ 45'02	21 ⁴⁵ 29	2 ⁴⁵ 42	26 ⁴⁵ 58	21 ⁴⁵ 24	29 ⁴⁵ 59	23 ⁴⁵ 37	20 ⁴⁵ 29	13 ⁴⁵ 30	11 ⁴⁵ 52	5 ⁴⁵ 26	4 ⁴⁵ 11	3 ⁴⁵ 29	4 ⁴⁵ 58	M22
T 23	4 46 13	10 ⁴⁶ 46'02	5 ⁴⁶ 0	4 ⁴⁶ 16	27 ⁴⁶ 39	22 ⁴⁶ 10	0 ⁴⁶ Y2	23 ⁴⁶ 42	20 ⁴⁶ 28	13 ⁴⁶ 29	11 ⁴⁶ 53	5 ⁴⁶ R27	4 ⁴⁶ 8	3 ⁴⁶ 36	4 ⁴⁶ 55	T 23
W24	4 50 10	11 ⁴⁷ 47'03	18 ⁴⁷ 18	5 ⁴⁷ 50	28 ⁴⁷ 21	22 ⁴⁷ 57	0 ⁴⁷ 4	23 ⁴⁷ 48	20 ⁴⁷ 28	13 ⁴⁷ 29	11 ⁴⁷ 54	5 ⁴⁷ 26	4 ⁴⁷ 5	3 ⁴⁷ 42	4 ⁴⁷ 53	W24
T 25	4 54 6	12 ⁴⁸ 48'05	1 ⁴⁸ 23	7 ⁴⁸ 23	29 ⁴⁸ 4	23 ⁴⁸ 44	0 ⁴⁸ 7	23 ⁴⁸ 54	20 ⁴⁸ 27	13 ⁴⁸ 28	11 ⁴⁸ 55	5 ⁴⁸ 23	4 ⁴⁸ 2	3 ⁴⁸ 49	4 ⁴⁸ 51	T 25
F 26	4 58 3	13 ⁴⁹ 49'09	14 ⁴⁹ 16	8 ⁴⁹ 57	29 ⁴⁹ 48	24 ⁴⁹ 30	0 ⁴⁹ 9	23 ⁴⁹ 59	20 ⁴⁹ 27	13 ⁴⁹ 27	11 ⁴⁹ 56	5 ⁴⁹ 17	3 ⁴⁹ 59	3 ⁴⁹ 56	4 ⁴⁹ 48	F 26
S 27	5 1 59	14 ⁵⁰ 50'13	27 ⁵⁰ 0	10 ⁵⁰ 31	0 ⁵⁰ 34	25 ⁵⁰ 17	0 ⁵⁰ 11	24 ⁵⁰ 5	20 ⁵⁰ 26	13 ⁵⁰ 27	11 ⁵⁰ 57	5 ⁵⁰ 8	3 ⁵⁰ 55	4 ⁵⁰ 3	4 ⁵⁰ 46	S 27
S 28	5 5 56	15 ⁵¹ 51'18	9 ⁵¹ 33	12 ⁵¹ 5	1 ⁵¹ 20	26 ⁵¹ 4	0 ⁵¹ 12	24 ⁵¹ 10	20 ⁵¹ 26	13 ⁵¹ 26	11 ⁵¹ 58	4 ⁵¹ 57	3 ⁵¹ 52	4 ⁵¹ 9	4 ⁵¹ 44	S 28
M29	5 9 53	16 ⁵² 52'24	21 ⁵² 56	13 ⁵² 39	2 ⁵² 7	26 ⁵² 51	0 ⁵² 14	24 ⁵² 15	20 ⁵² 25	13 ⁵² 26	11 ⁵² 59	4 ⁵² 44	3 ⁵² 49	4 ⁵² 16	4 ⁵² 42	M29
T 30	5 13 49	17 ⁵³ 53'30	4 ⁵³ 9	15 ⁵³ 14	2 ⁵³ 55	27 ⁵³ 38	0 ⁵³ 15	24 ⁵³ 21	20 ⁵³ 24	13 ⁵³ 25	12 ⁵³ 0	4 ⁵³ Y30	3 ⁵³ Y46	4 ⁵³ 23	4 ⁵³ 40	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	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	decl	lat
M 1	17s22	27s10	4s43	9s48	2n 5	8s39	1s25	24s45	1s22	12n53	0n53	6s14	2n18	15n24	0n42	3n53	1s44	25s29	8s30	2n44	2n 7	24s28	12n11	1s26							
T 2	17 39	28 29	5 3	10 22	2 0	8 28	1 11	24 43	1 22	12 51	0 53	6 16	2 18	15 23	0 42	3 53	1 44	25 29	8 29	2 41	2 5	24 27	12 10	1 26							
W 3	17 55	28 23	5 8	10 55	1 55	8 19	0 58	24 41	1 21	12 49	0 53	6 19	2 18	15 23	0 42	3 52	1 44	25 29	8 29	2 38	2 4	24 25	12 9	1 26							
T 4	18 11	26 57	5 0	11 30	1 50	8 10	0 45	24 39	1 21	12 48	0 53	6 21	2 18	15 23	0 42	3 52	1 44	25 28	8 29	2 35	2 3	24 23	12 8	1 26							
F 5	18 27	24 19	4 39	12 4	1 44	8 3	0 33	24 36	1 21	12 46	0 54	6 24	2 19	15 23	0 42	3 52	1 44	25 28	8 29	2 33	2 2	24 21	12 7	1 26							
S 6	18 42	20 40	4 6	12 39	1 38	7 56	0 21	24 33	1 21	12 44	0 54	6 26	2 19	15 23	0 42	3 51	1 44	25 28	8 29	2 32	2 0	24 19	12 6	1 26							
S 7	18 57	16 11	3 22	13 13	1 32	7 51	0 9	24 29	1 21	12 42	0 54	6 28	2 19	15 23	0 42	3 51	1 44	25 27	8 29	2 32	1 59	24 17	12 5	1 26							
M 8	19 12	11 3	2 29	13 48	1 26	7 47	0n 2	24 26	1 21	12 41	0 54	6 31	2 19	15 23	0 42	3 50	1 44	25 27	8 28	2 32	1 58	24 15	12 4	1 26							
T 9	19 26	5 24	1 28	14 22	1 19	7 44	0 13	24 22	1 21	12 39	0 55	6 33	2 19	15 22	0 42	3 50	1 44	25 27	8 28	2 33	1 57	24 13	12 3	1 26							
W10	19 40	0n35	0 22	14 56	1 13	7 42	0 24	24 17	1 21	12 38	0 55	6 35	2 19	15 22	0 43	3 50	1 43	25 26	8 28	2 33	1 55	24 11	12 2	1 27							
T 11	19 54	6 43	0n47	15 30	1 6	7 41	0 34	24 13	1 21	12 36	0 55	6 37	2 19	15 22	0 43	3 49	1 43	25 26	8 28	2 33	1 54	24 9	12 1	1 27							
F 12	20 7	12 45	1 55	16 3	0 59	7 41	0 44	24 8	1 20	12 35	0 55	6 40	2 19	15 22	0 43	3 49	1 43	25 26	8 28	2 32	1 53	24 7	12 0	1 27							
S 13	20 20	18 22	2 59	16 36	0 52	7 42	0 54	24 3	1 20	12 34	0 56	6 42	2 20	15 22	0 43	3 48	1 43	25 25	8 28	2 30	1 52	24 5	11 59	1 27							
S 14	20 32	23 9	3 54	17 8	0 45	7 44	1 3	23 58	1 20	12 32	0 56	6 44	2 20	15 22	0 43	3 48	1 43	25 25	8 28	2 28	1 50	24 3	11 58	1 27							
M15	20 45	26 39	4 35	17 39	0 38	7 47	1 12	23 52	1 20	12 31	0 56	6 46	2 20	15 22	0 43	3 48	1 43	25 25	8 27	2 24	1 49	24 1	11 57	1 27							
T 16	20 56	28 24	4 59	18 9	0 31	7 50	1 20	23 46	1 20	12 30	0 56	6 48	2 20	15 22	0 43	3 47	1 43	25 24	8 27	2 20	1 48	23 59	11 56	1 27							
W17	21 8	28 9	5 3	18 39	0 24	7 55	1 28	23 40	1 20	12 29	0 57	6 50	2 20	15 22	0 43	3 47	1 43	25 24	8 27	2 17	1 46	23 57	11 55	1 27							
T 18	21 19	25 56	4 47	19 8	0 17	8 0	1 36	23 34	1 19	12 28	0 57	6 52	2 20	15 22	0 43	3 47	1 43	25 23	8 27	2 14	1 45	23 55	11 54	1 27							
F 19	21 29	22 2	4 13	19 37	0 10	8 7	1 44	23 27	1 19	12 27	0 57	6 54	2 20	15 22	0 43	3 46	1 43	25 23	8 27	2 11	1 44	23 53	11 53	1 27							
S 20	21 39	16 52	3 23	20 4	0 3	8 13	1 51	23 20	1 19	12 26	0 57	6 56	2 21	15 23	0 43	3 46	1 43	25 23	8 27	2 10	1 43	23 51	11 52	1 27							
S 21	21 49	10 54	2 22	20 30	0s 4	8 21	1 58	23 13	1 19	12 25	0 58	6 58	2 21	15 23	0 43	3 46	1 43	25 22	8 27	2 10	1 41	23 49	11 51	1 27							
M22	21 58	4 31	1 14	20 56	0 11	8 29	2 4	23 5	1 19	12 25	0 58	7 0	2 21	15 23	0 43	3 46	1 43	25 22	8 26	2 10	1 40	23 47	11 50	1 27							
T 23	22 7	1s57	0 2	21 20	0 17	8 38	2 10	22 58	1 18	12 24	0 58	7 2	2 21	15 23	0 43	3 45	1 43	25 21	8 26	2 10	1 39	23 45	11 50	1 27							
W24	22 16	8 14	1s 8	21 44	0 24	8 47	2 16	22 50	1 18	12 23	0 58	7 4	2 21	15 23	0 43	3 45	1 43	25 21	8 26	2 10	1 38	23 43	11 49	1 27							
T 25	22 24	14 4	2 13	22 6	0 30	8 58	2 22	22 41	1 18	12 23	0 59	7 6	2 21	15 23	0 43	3 45	1 43	25 21	8 26	2 9	1 36	23 41	11 48	1 27							
F 26	22 31	19 12	3 11	22 27	0 37	9 8	2 27	22 33	1 18	12 22	0 59	7 8	2 22	15 24	0 43	3 45	1 43	25 20	8 26	2 6	1 35	23 39	11 47	1 27							
S 27	22 38	23 23	3 57	22 48	0 43	9 19	2 32	22 24	1 17	12 22	0 59	7 10	2 22	15 24	0 43	3 45	1 43	25 20	8 26	2 3	1 34	23 37	11 46	1 27							
S 28	22 45	26 25	4 32	23 7	0 49	9 31	2 37	22 15	1 17	12 21	0 59	7 12	2 22	15 24	0 43	3 44	1 43	25 19	8 26	1 58	1 33	23 35	11 46	1 27							
M29	22 51	28 8	4 53	23 25	0 55	9 43	2 42	22 6	1 17	12 21	1 0	7 14	2 22	15 24	0 43	3 44	1 43	25 19	8 25	1 53	1 31	23 33	11 45	1 27							
T 30	22s57	28s26	5s 0	23s42	1s 1	9s55	2n46	21s56	1s16	12n21	1n 0	7s15	2n22	15n25	0n43	3n44	1s43	25s18	8s25	1n47	1n30	23s31	11n44	1s27							

ASTRODIENST EPHEMERIS for the year 1540

geocentric

DECEMBER 1540 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	5 17 46	18°54'37	16°13	16°48	31°44	28°25	0°16	24°26	20°R23	13°R25	12°1	4°R16	3°Y43	4°29	4°R38	W 1
T 2	5 21 42	19°55'45	28° 9	18°23	4°34	29°12	0°17	24°31	20°R23	13°Y24	12° 3	4°Y 4	3°40	4°36	4°R36	T 2
F 3	5 25 39	20°56'52	10°08	19°57	5°25	29°59	0°18	24°36	20°22	13°24	12° 4	3°55	3°36	4°43	4°34	F 3
S 4	5 29 35	21°58'00	21°48	21°32	6°16	0°46	0°18	24°41	20°21	13°23	12° 5	3°48	3°33	4°49	4°32	S 4
S 5	5 33 32	22°59'09	3°38	23° 7	7° 9	1°33	0°19	24°46	20°20	13°23	12° 6	3°44	3°30	4°56	4°30	S 5
M 6	5 37 28	24° 0'17	15°35	24°42	8° 2	2°20	0°R19	24°51	20°19	13°23	12° 8	3°43	3°27	5° 3	4°28	M 6
T 7	5 41 25	25° 1'26	27°43	26°18	8°55	3° 7	0°19	24°56	20°18	13°22	12° 9	3°43	3°24	5°10	4°27	T 7
W 8	5 45 22	26° 2'35	10°Y 9	27°53	9°49	3°54	0°19	25° 1	20°16	13°22	12°10	3°43	3°21	5°16	4°25	W 8
T 9	5 49 18	27° 3'44	22°57	29°29	10°44	4°41	0°18	25° 5	20°15	13°22	12°12	3°42	3°17	5°23	4°23	T 9
F 10	5 53 15	28° 4'53	6°12	1°35	11°40	5°28	0°18	25°10	20°14	13°22	12°13	3°38	3°14	5°30	4°22	F 10
S 11	5 57 11	29° 6'02	19°57	2°42	12°36	6°15	0°17	25°14	20°13	13°21	12°14	3°32	3°11	5°36	4°20	S 11
S 12	6 1 8	0°37'11	4°11	4°18	13°33	7° 2	0°16	25°19	20°11	13°21	12°16	3°24	3° 8	5°43	4°19	S 12
M13	6 5 4	1° 8'20	18°51	5°55	14°30	7°49	0°15	25°23	20°10	13°21	12°17	3°13	3° 5	5°50	4°18	M13
T 14	6 9 1	2° 9'29	3°50	7°32	15°28	8°36	0°13	25°27	20° 8	13°21	12°18	3° 1	3° 1	5°56	4°16	T 14
W15	6 12 57	3°10'39	18°58	9°10	16°26	9°23	0°12	25°31	20° 7	13°D21	12°20	2°49	2°58	6° 3	4°15	W15
T 16	6 16 54	4°11'48	4°12	10°48	17°25	10°10	0°10	25°35	20° 5	13°21	12°21	2°39	2°55	6°10	4°14	T 16
F 17	6 20 51	5°12'58	19° 2	12°26	18°24	10°57	0° 8	25°39	20° 4	13°21	12°23	2°31	2°52	6°17	4°13	F 17
S 18	6 24 47	6°14'08	3°14	14° 4	19°24	11°45	0° 6	25°43	20° 2	13°21	12°24	2°27	2°49	6°23	4°12	S 18
S 19	6 28 44	7°15'18	17°56	15°42	20°24	12°32	0° 3	25°47	20° 1	13°22	12°26	2°24	2°46	6°30	4°11	S 19
M20	6 32 40	8°16'28	1°48	17°21	21°25	13°19	0° 1	25°51	19°59	13°22	12°27	2°24	2°42	6°37	4°10	M20
T 21	6 36 37	9°17'38	15°17	19° 0	22°26	14° 6	29°J58	25°54	19°57	13°22	12°29	2°24	2°39	6°43	4° 9	T 21
W22	6 40 33	10°18'49	28°27	20°39	23°28	14°53	29°55	25°58	19°55	13°22	12°30	2°23	2°36	6°50	4° 8	W22
T 23	6 44 30	11°20'00	11°11	22°17	24°29	15°40	29°52	26° 1	19°53	13°22	12°32	2°20	2°33	6°57	4° 7	T 23
F 24	6 48 27	12°21'11	23°57	23°56	25°32	16°27	29°49	26° 5	19°52	13°23	12°34	2°14	2°30	7° 3	4° 7	F 24
S 25	6 52 23	13°22'21	6°12	25°35	26°34	17°15	29°45	26° 8	19°50	13°23	12°35	2° 5	2°27	7°10	4° 6	S 25
S 26	6 56 20	14°23'32	18°41	27°13	27°37	18° 2	29°42	26°11	19°48	13°23	12°37	1°53	2°23	7°17	4° 5	S 26
M27	7 0 16	15°24'42	0°35	28°51	28°41	18°49	29°38	26°14	19°46	13°24	12°38	1°39	2°20	7°24	4° 5	M27
T 28	7 4 13	16°25'52	12°53	0°29	29°44	19°36	29°34	26°17	19°44	13°24	12°40	1°25	2°17	7°30	4° 4	T 28
W29	7 8 9	17°27'02	24°50	2° 5	0°48	20°23	29°29	26°20	19°42	13°25	12°42	1°11	2°14	7°37	4° 4	W29
T 30	7 12 6	18°28'11	6°43	3°41	1°52	21°10	29°25	26°23	19°39	13°25	12°43	0°58	2°11	7°44	4° 4	T 30
F 31	7 16 2	19°29'20	18°32	5°15	2°57	21°58	29°J21	26°26	19°J37	13°Y26	12°45	0°Y48	2°Y 8	7°50	4° 4	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	23s 2	27s23	4s54	23s57	1s 7	10s 8	2n50	21s46	1s16	12n21	1n 0	7s17	2n23	15n25	0n43	3n44
T 2	23 7	25 4	4 35	24 11	1 12	10 21	2 54	21 36	1 16	12 21	1 1	7 19	2 23	15 25	0 43	3 44
F 3	23 11	21 42	4 4	24 25	1 18	10 35	2 57	21 26	1 16	12 21	1 1	7 20	2 23	15 25	0 43	3 44
S 4	23 15	17 28	3 22	24 36	1 23	10 48	3 0	21 16	1 15	12 21	1 1	7 22	2 23	15 26	0 44	3 44
S 5	23 19	12 33	2 32	24 47	1 28	11 3	3 3	21 5	1 15	12 21	1 1	7 24	2 23	15 26	0 44	3 43
M 6	23 22	7 9	1 34	24 56	1 32	11 17	3 6	20 54	1 15	12 21	1 2	7 25	2 24	15 27	0 44	3 43
T 7	23 24	1 23	0 32	25 4	1 37	11 32	3 9	20 43	1 14	12 21	1 2	7 27	2 24	15 27	0 44	3 43
W 8	23 27	4n33	0n34	25 10	1 41	11 46	3 11	20 32	1 14	12 22	1 2	7 28	2 24	15 27	0 44	3 43
T 9	23 28	10 30	1 40	25 15	1 45	12 1	3 13	20 20	1 14	12 22	1 2	7 30	2 24	15 28	0 44	3 43
F 10	23 29	16 11	2 43	25 18	1 49	12 17	3 15	20 8	1 13	12 23	1 3	7 31	2 24	15 28	0 44	3 43
S 11	23 30	21 16	3 38	25 21	1 52	12 32	3 17	19 56	1 13	12 23	1 3	7 33	2 25	15 29	0 44	3 43
S 12	23 30	25 20	4 22	25 21	1 55	12 48	3 18	19 44	1 12	12 24	1 3	7 34	2 25	15 29	0 44	3 43
M13	23 30	27 51	4 51	25 20	1 58	13 3	3 20	19 31	1 12	12 24	1 4	7 35	2 25	15 30	0 44	3 43
T 14	23 29	28 26	5 0	25 18	2 1	13 19	3 21	19 19	1 12	12 25	1 4	7 37	2 25	15 30	0 44	3 43
W15	23 28	26 55	4 48	25 14	2 3	13 34	3 22	19 6	1 11	12 26	1 4	7 38	2 25	15 31	0 44	3 43
T 16	23 26	23 26	4 16	25 8	2 5	13 50	3 22	18 53	1 11	12 27	1 4	7 39	2 26	15 31	0 44	3 43
F 17	23 24	18 26	3 27	25 1	2 6	14 6	3 23	18 39	1 10	12 28	1 5	7 41	2 26	15 32	0 44	3 43
S 18	23 21	12 27	2 25	24 52	2 7	14 22	3 23	18 26	1 10	12 29	1 5	7 42	2 26	15 32	0 44	3 44
S 19	23 18	5 56	1 16	24 41	2 8	14 38	3 23	18 12	1 10	12 30	1 5	7 43	2 26	15 33	0 44	3 44
M20	23 15	0s40	0 3	24 29	2 8	14 53	3 24	17 58	1 9	12 31	1 5	7 44	2 27	15 33	0 44	3 44
T 21	23 10	7 5	1s 8	24 16	2 8	15 9	3 23	17 44	1 9	12 32	1 6	7 45	2 27	15 34	0 44	3 44
W22	23 6	13 1	2 13	24 0	2 7	15 24	3 23	17 30	1 8	12 33	1 6	7 46	2 27	15 35	0 44	3 44
T 23	23 1	18 16	3 10	23 43	2 6	15 40	3 23	17 16	1 8	12 35	1 6	7 47	2 27	15 35	0 44	3 44
F 24	22 56	22 37	3 56	23 25	2 4	15 55	3 22	17 1	1 8	12 36	1 6	7 48	2 28	15 36	0 44	3 44
S 25	22 50	25 53	4 31	23 4	2 2	16 10	3 21	16 46	1 7	12 38	1 7	7 49	2 28	15 36	0 44	3 44
S 26	22 43	27 52	4 52	22 43	1 59	16 25	3 21	16 31	1 7	12 39	1 7	7 50	2 28	15 37	0 44	3 45
M27	22 37	28 30	5 0	22 19	1 55	16 40	3 20	16 16	1 6	12 41	1 7	7 51	2 28	15 38	0 44	3 45
T 28	22 29	27 45	4 54	21 54	1 51	16 55	3 18	16 1	1 6	12 42	1 7	7 52	2 29	15 38	0 44	3 45
W29	22 22	25 44	4 35	21 28	1 46	17 9	3 17	15 46	1 5	12 44	1 8	7 53	2 29	15 39	0 44	3 45
T 30	22 13	22 35	4 5	21 0	1 40	17 24	3 16	15 30	1 5	12 46	1 8	7 53	2 29	15 40	0 44	3 46
F 31	22s 5	18s32	3s23	20s31	1s34	17s38	3n14	15s14	1s 4	12n48	1n 8	7s54	2n29	15n40	0n44	3n46

Julian Day Number = 2283877.5, Delta T = 199.87 sec

Ecliptic obliquity = 23°30'05, Nutation = - 0°00'01, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°20'04, Lahiri = 17°27'04 Julian Calendar 1 Dec. 1540 == Greg. Calendar 11 Dec. 1540