



Astrodienst Ephemeris Tables for the year 2015

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 2015
geocentric

JANUARY 2015

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	6 41 19	10 ³ 13'50	20 ⁸ 37	23 ³ 39	26 ³ 43	21 [≈] 3	21 [°] R46	0 [≈] 52	12 [°] Y37	5 [°] H23	13 ³ 10	15 [°] R26	14 [≈] 56	3 [°] ♐48	13 [°] H46	T 1
F 2	6 45 16	11 [°] 14'58	3 ^{II} 44	25 [°] 14	27 [°] 58	21 [°] 50	21 [°] Q41	0 [°] 58	12 [°] 37	5 [°] 25	13 [°] 12	15 [≈] 20	14 [°] 53	3 [°] 54	13 [°] 49	F 2
S 3	6 49 13	12 [°] 16'06	16 [°] 39	26 [°] 49	29 [°] 14	22 [°] 37	21 [°] 36	1 [°] 4	12 [°] 38	5 [°] 26	13 [°] 14	15 [°] 10	14 [°] 50	4 [°] 1	13 [°] 51	S 3
S 4	6 53 9	13 [°] 17'14	29 [°] 24	28 [°] 23	0 [≈] 29	23 [°] 24	21 [°] 32	1 [°] 10	12 [°] 39	5 [°] 28	13 [°] 16	14 [°] 57	14 [°] 47	4 [°] 8	13 [°] 53	S 4
M 5	6 57 6	14 [°] 18'22	11 [≈] 59	29 [°] 56	1 [°] 44	24 [°] 11	21 [°] 27	1 [°] 16	12 [°] 39	5 [°] 29	13 [°] 18	14 [°] 43	14 [°] 44	4 [°] 14	13 [°] 55	M 5
T 6	7 1 2	15 [°] 19'30	24 [°] 22	1 [≈] 27	2 [°] 59	24 [°] 58	21 [°] 21	1 [°] 22	12 [°] 40	5 [°] 31	13 [°] 20	14 [°] 28	14 [°] 40	4 [°] 21	13 [°] 57	T 6
W 7	7 4 59	16 [°] 20'38	6 ^Q 34	2 [°] 58	4 [°] 14	25 [°] 45	21 [°] 16	1 [°] 27	12 [°] 41	5 [°] 32	13 [°] 22	14 [°] 15	14 [°] 37	4 [°] 28	14 [°] 0	W 7
T 8	7 8 55	17 [°] 21'46	18 [°] 36	4 [°] 27	5 [°] 29	26 [°] 32	21 [°] 11	1 [°] 33	12 [°] 42	5 [°] 34	13 [°] 25	14 [°] 3	14 [°] 34	4 [°] 34	14 [°] 2	T 8
F 9	7 12 52	18 [°] 22'54	0 [°] ♐31	5 [°] 54	6 [°] 44	27 [°] 19	21 [°] 5	1 [°] 39	12 [°] 43	5 [°] 36	13 [°] 27	13 [°] 53	14 [°] 31	4 [°] 41	14 [°] 4	F 9
S 10	7 16 48	19 [°] 24'02	12 [°] 20	7 [°] 18	7 [°] 59	28 [°] 6	20 [°] 59	1 [°] 44	12 [°] 44	5 [°] 37	13 [°] 29	13 [°] 47	14 [°] 28	4 [°] 48	14 [°] 7	S 10
S 11	7 20 45	20 [°] 25'10	24 [°] 7	8 [°] 39	9 [°] 14	28 [°] 53	20 [°] 53	1 [°] 50	12 [°] 45	5 [°] 39	13 [°] 31	13 [°] 43	14 [°] 25	4 [°] 54	14 [°] 9	S 11
M 12	7 24 42	21 [°] 26'17	5 [≈] 58	9 [°] 57	10 [°] 30	29 [°] 40	20 [°] 47	1 [°] 55	12 [°] 46	5 [°] 41	13 [°] 33	13 [°] 42	14 [°] 21	5 [°] 1	14 [°] 12	M 12
T 13	7 28 38	22 [°] 27'25	17 [°] 56	11 [°] 11	11 [°] 45	0 [°] ♐27	20 [°] 41	2 [°] 1	12 [°] 47	5 [°] 43	13 [°] 35	13 [°] 42	14 [°] 18	5 [°] 8	14 [°] 15	T 13
W 14	7 32 35	23 [°] 28'33	0 ^{III} 8	12 [°] 20	13 [°] 0	1 [°] 14	20 [°] 35	2 [°] 6	12 [°] 48	5 [°] 44	13 [°] 37	13 [°] 42	14 [°] 15	5 [°] 14	14 [°] 17	W 14
T 15	7 36 31	24 [°] 29'40	12 [°] 40	13 [°] 24	14 [°] 15	2 [°] 1	20 [°] 28	2 [°] 11	12 [°] 49	5 [°] 46	13 [°] 39	13 [°] 41	14 [°] 12	5 [°] 21	14 [°] 20	T 15
F 16	7 40 28	25 [°] 30'48	25 [°] 35	14 [°] 21	15 [°] 30	2 [°] 48	20 [°] 22	2 [°] 17	12 [°] 50	5 [°] 48	13 [°] 41	13 [°] 37	14 [°] 9	5 [°] 28	14 [°] 23	F 16
S 17	7 44 24	26 [°] 31'55	8 [≈] 58	15 [°] 11	16 [°] 45	3 [°] 35	20 [°] 15	2 [°] 22	12 [°] 52	5 [°] 50	13 [°] 43	13 [°] 31	14 [°] 5	5 [°] 34	14 [°] 25	S 17
S 18	7 48 21	27 [°] 33'02	22 [°] 51	15 [°] 53	18 [°] 0	4 [°] 21	20 [°] 8	2 [°] 27	12 [°] 53	5 [°] 52	13 [°] 45	13 [°] 23	14 [°] 2	5 [°] 41	14 [°] 28	S 18
M 19	7 52 17	28 [°] 34'09	7 ³ 11	16 [°] 26	19 [°] 14	5 [°] 8	20 [°] 1	2 [°] 32	12 [°] 54	5 [°] 54	13 [°] 47	13 [°] 12	13 [°] 59	5 [°] 48	14 [°] 31	M 19
T 20	7 56 14	29 [°] 35'15	21 [°] 55	16 [°] 50	20 [°] 29	5 [°] 55	19 [°] 54	2 [°] 37	12 [°] 56	5 [°] 56	13 [°] 49	13 [°] 1	13 [°] 56	5 [°] 54	14 [°] 34	T 20
W 21	8 0 11	0 [≈] 36'21	6 [≈] 54	17 [°] 3	21 [°] 44	6 [°] 42	19 [°] 47	2 [°] 42	12 [°] 57	5 [°] 58	13 [°] 51	12 [°] 49	13 [°] 53	6 [°] 1	14 [°] 37	W 21
T 22	8 4 7	1 [°] 37'26	21 [°] 59	17 [°] R 5	22 [°] 59	7 [°] 29	19 [°] 40	2 [°] 46	12 [°] 59	5 [°] 59	13 [°] 53	12 [°] 40	13 [°] 50	6 [°] 8	14 [°] 40	T 22
F 23	8 8 4	2 [°] 38'30	6 [°] ♐59	16 [°] 55	24 [°] 14	8 [°] 16	19 [°] 33	2 [°] 51	13 [°] 0	6 [°] 1	13 [°] 55	12 [°] 33	13 [°] 46	6 [°] 14	14 [°] 43	F 23
S 24	8 12 0	3 [°] 39'33	21 [°] 48	16 [°] 34	25 [°] 29	9 [°] 3	19 [°] 25	2 [°] 56	13 [°] 2	6 [°] 3	13 [°] 57	12 [°] 29	13 [°] 43	6 [°] 21	14 [°] 46	S 24
S 25	8 15 57	4 [°] 40'35	6 [°] Y17	16 [°] 1	26 [°] 44	9 [°] 50	19 [°] 18	3 [°] 0	13 [°] 4	6 [°] 5	13 [°] 59	12 [°] D27	13 [°] 40	6 [°] 28	14 [°] 49	S 25
M 26	8 19 53	5 [°] 41'37	20 [°] 25	15 [°] 18	27 [°] 59	10 [°] 37	19 [°] 10	3 [°] 5	13 [°] 6	6 [°] 7	14 [°] 1	12 [°] 27	13 [°] 37	6 [°] 35	14 [°] 52	M 26
T 27	8 23 50	6 [°] 42'37	4 ⁸ 12	14 [°] 25	29 [°] 13	11 [°] 23	19 [°] 3	3 [°] 9	13 [°] 7	6 [°] 9	14 [°] 3	12 [°] R28	13 [°] 34	6 [°] 41	14 [°] 55	T 27
W 28	8 27 46	7 [°] 43'36	17 [°] 38	13 [°] 23	0 [°] ♐28	12 [°] 10	18 [°] 55	3 [°] 14	13 [°] 9	6 [°] 12	14 [°] 5	12 [°] 27	13 [°] 31	6 [°] 48	14 [°] 58	W 28
T 29	8 31 43	8 [°] 44'33	0 ^{II} 45	12 [°] 15	1 [°] 43	12 [°] 57	18 [°] 47	3 [°] 18	13 [°] 11	6 [°] 14	14 [°] 7	12 [°] 25	13 [°] 27	6 [°] 55	15 [°] 1	T 29
F 30	8 35 40	9 [°] 45'30	13 [°] 38	11 [°] 3	2 [°] 57	13 [°] 44	18 [°] 39	3 [°] 22	13 [°] 13	6 [°] 16	14 [°] 9	12 [°] 20	13 [°] 24	7 [°] 1	15 [°] 4	F 30
S 31	8 39 36	10 [≈] 46'26	26 ^{II} 16	9 [≈] 48	4 [°] ♐12	14 [°] ♐30	18 ^Q 32	3 [≈] 26	13 [°] Y15	6 [°] ♐18	14 ³ 11	12 [≈] 12	13 [≈] 21	7 [°] ♐ 8	15 [°] ♐ 7	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	lat
T 1	23s 2	15n 6	2s54	23s28	2s 8	22s 8	1s21	15s33	1s 8	15n 4	0n51	18s26	1n56	4n22	0s40	10s13	0s44	20s38	2n10	6s 5	5s53	6n57	2s 6	4n38
F 2	22 58	17 12	3 45	23 9	2 6	21 55	1 23	15 18	1 8	15 5	0 52	18 27	1 56	4 23	0 40	10 12	0 44	20 38	2 10	6 2	5 52	6 55	2 6	4 37
S 3	22 52	18 23	4 24	22 48	2 3	21 41	1 24	15 2	1 7	15 7	0 52	18 29	1 56	4 23	0 40	10 12	0 44	20 38	2 10	5 58	5 51	6 54	2 5	4 37
S 4	22 46	18 37	4 49	22 26	2 0	21 26	1 25	14 46	1 6	15 9	0 52	18 30	1 56	4 23	0 40	10 11	0 44	20 38	2 9	5 53	5 49	6 52	2 5	4 37
M 5	22 40	17 56	4 59	22 3	1 56	21 10	1 26	14 30	1 6	15 11	0 52	18 31	1 56	4 23	0 40	10 11	0 44	20 37	2 9	5 48	5 48	6 50	2 4	4 37
T 6	22 33	16 24	4 55	21 38	1 51	20 54	1 27	14 13	1 5	15 12	0 52	18 32	1 56	4 24	0 40	10 10	0 44	20 37	2 9	5 42	5 47	6 48	2 3	4 36
W 7	22 26	14 9	4 38	21 13	1 46	20 37	1 28	13 57	1 5	15 14	0 53	18 33	1 56	4 24	0 39	10 10	0 44	20 37	2 9	5 37	5 46	6 47	2 3	4 36
T 8	22 18	11 19	4 8	20 46	1 40	20 20	1 29	13 40	1 4	15 16	0 53	18 34	1 56	4 25	0 39	10 9	0 44	20 37	2 9	5 32	5 44	6 45	2 2	4 36
F 9	22 10	8 3	3 27	20 18	1 33	20 2	1 30	13 24	1 4	15 18	0 53	18 35	1 56	4 25	0 39	10 8	0 44	20 37	2 9	5 29	5 43	6 43	2 1	4 36
S 10	22 2	4 30	2 38	19 49	1 25	19 44	1 31	13 7	1 3	15 20	0 53	18 36	1 57	4 25	0 39	10 8	0 44	20 37	2 9	5 26	5 42	6 41	2 1	4 35
S 11	21 53	0 47	1 42	19 19	1 16	19 25	1 32	12 50	1 2	15 22	0 53	18 37	1 57	4 26	0 39	10 7	0 44	20 37	2 9	5 25	5 41	6 39	2 0	4 35
M 12	21 44	3s 0	0 41	18 49	1 6	19 5	1 32	12 33	1 2	15 25	0 54	18 38	1 57	4 26	0 39	10 6	0 44	20 37	2 9	5 24	5 40	6 38	1 59	4 35
T 13	21 34	6 41	0n22	18 18	0 56	18 45	1 33	12 16	1 1	15 27	0 54	18 39	1 57	4 27	0 39	10 6	0 44	20 37	2 9	5 24	5 38	6 36	1 59	4 34
W 14	21 24	10 10	1 26	17 48	0 44	18 24	1 33	11 59	1 0	15 29	0 54	18 40	1 57	4 27	0 39	10 5	0 44	20 36	2 9	5 24	5 37	6 34	1 58	4 34
T 15	21 13	13 18	2 27	17 18	0 31	18 3	1 34	11 41	1 0	15 31	0 54	18 41	1 57	4 28	0 39	10 4	0 44	20 36	2 8	5 24	5 36	6 32	1 57	4 34
F 16	21 2	15 52	3 23	16 48	0 18	17 41	1 34	11 24	0 59	15 33	0 54	18 42	1 57	4 28	0 39	10 4	0 44	20 36	2 8	5 22	5 35	6 30	1 56	4 34
S 17	20 51	17 41	4 9	16 20	0 3	17 19	1 35	11 6	0 59	15 36	0 55	18 43	1 57	4 29	0 39	10 3	0 44	20 36	2 8	5 20	5 33	6 29	1 55	4 33
S 18	20 39	18 32	4 43	15 52	0n13	16 56	1 35	10 49	0 58	15 38	0 55	18 44	1 57	4 29	0 39	10 2	0 44	20 36	2 8	5 17	5 32	6 27	1 55	4 33
M 19	20 27	18 15	5 0	15 27	0 29	16 33	1 35	10 31	0 57	15 40	0 55	18 45	1 58	4 30	0 39	10 2	0 44	20 36	2 8	5 13	5 31	6 25	1 54	4 33
T 20	20 14	16 45	4 58	15 3	0 46	16 10	1 35	10 13	0 57	15 43	0 55	18 45	1 58	4 30	0 39	10 1	0 44	20 36	2 8	5 8	5 30	6 23	1 53	4 33
W 21	20 1	14 6	4 36	14 43	1 4	15 45	1 35	9 55	0 56	15 45	0 55	18 46	1 58	4 31	0 39	10 0	0 44	20 36	2 8	5 4	5 28	6 22	1 52	4 33
T 22	19 48	10 29	3 54	14 25	1 22	15 21	1 35	9 37	0 55	15 48	0 56	18 47	1 58	4 32	0 39	10 0	0 44	20 35	2 8	5 0	5 27	6 20	1 51	4 32
F 23	19 34	6 13	2 57	14 10	1 40	14 56	1 35	9 19	0 55	15 50	0 56	18 48	1 58	4 32	0 39	9 59	0 44	20 35	2 8	4 57	5 26	6 18	1 50	4 32
S 24	19 20	1 36	1 48	13 59	1 58	14 31	1 35	9 1	0 54	15 53	0 56	18 49	1 58	4 33	0 39	9 58	0 44	20 35	2 8	4 56	5 25	6 16	1 49	4 32
S 25	19 5	3n 0	0 33	13 52	2 16	14 5	1 35	8 42	0 53	15 55	0 56	18 49	1 58	4 34	0 39	9 57	0 44	20 35	2 8	4 55	5 24	6 14	1 48	4 32
M 26	18 51	7 19	0s42	13 49	2 32	13 39	1 34	8 24	0 53	15 58	0 56	18 50	1 58	4 34	0 39	9 57	0 44	20 35	2 8	4 55	5 22	6 13	1 47	4 31
T 27	18 36	11 8	1 53	13 50	2 48	13 13	1 34	8 6	0 52	16 0	0 56	18 51	1 58	4 35	0 39	9 56	0 44	20 35	2 8	4 55	5 21	6 11	1 46	4 31
W 28	18 20	14 16	2 56	13 54	3 2	12 46	1 33	7 47	0 51	16 3	0 56	18 51	1 59	4 36	0 39	9 55	0 44	20 35	2 7	4 55	5 20	6 9	1 45	4 31
T 29	18 4	16 35	3 48	14 1	3 14	12 19	1 33	7 29	0 51	16 5	0 57	18 52	1 59	4 37	0 39	9 54	0 44	20 34	2 7	4 54	5 19	6 7	1 44	4 31
F 30	17 48	18 1	4 27	14 12	3 23	11 51	1 32	7 10	0 50	16 8	0 57	18 53	1 59	4 37	0 39	9 54	0 44	20 34	2 7	4 52	5 17	6 5	1 43	4 31
S 31	17s32	18n31	4s52	14s24	3n31	11s23	1s32	6s52	0s49	16n10	0n57	18s53	1n59	4n38	0s39	9s53	0s44	20s34	2n 7	4s49	5s16	6n 4	1s42	4n30

ASTRODIENST EPHEMERIS for the year 2015

geocentric

FEBRUARY 2015

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 43 33	11°47'20	8°44	8°R34	5°H27	15°H17	18°R24	3°H30	13°V17	6°H20	14°H13	12°R 3	13°H18	7°H15	15°H11	S 1
M 2	8 47 29	12°48'13	21° 2	7°H21	6°41	16° 4	18°H16	3°34	13°19	6°22	14°15	11°H51	13°15	7°21	15°14	M 2
T 3	8 51 26	13°49'05	3°H11	6°12	7°56	16°50	18° 8	3°38	13°21	6°24	14°17	11°40	13°11	7°28	15°17	T 3
W 4	8 55 22	14°49'56	15°13	5° 9	9°10	17°37	18° 0	3°42	13°23	6°26	14°19	11°28	13° 8	7°35	15°20	W 4
T 5	8 59 19	15°50'45	27° 9	4°12	10°25	18°24	17°52	3°45	13°25	6°28	14°21	11°19	13° 5	7°41	15°24	T 5
F 6	9 3 15	16°51'34	9°H 0	3°23	11°39	19°10	17°44	3°49	13°27	6°31	14°22	11°11	13° 2	7°48	15°27	F 6
S 7	9 7 12	17°52'21	20°48	2°42	12°54	19°57	17°36	3°53	13°30	6°33	14°24	11° 7	12°59	7°55	15°31	S 7
S 8	9 11 9	18°53'07	2°H36	2° 9	14° 8	20°43	17°28	3°56	13°32	6°35	14°26	11° 4	12°56	8° 1	15°34	S 8
M 9	9 15 5	19°53'53	14°27	1°44	15°23	21°30	17°20	3°59	13°34	6°37	14°28	11°D 4	12°52	8° 8	15°37	M 9
T 10	9 19 2	20°54'37	26°26	1°28	16°37	22°16	17°12	4° 3	13°36	6°39	14°30	11° 5	12°49	8°15	15°41	T 10
W11	9 22 58	21°55'20	8°H36	1°19	17°51	23° 3	17° 4	4° 6	13°39	6°42	14°31	11° 6	12°46	8°21	15°44	W11
T 12	9 26 55	22°56'02	21° 4	1°D19	19° 5	23°49	16°56	4° 9	13°41	6°44	14°33	11°R 7	12°43	8°28	15°48	T 12
F 13	9 30 51	23°56'43	3°H54	1°25	20°20	24°36	16°48	4°12	13°44	6°46	14°35	11° 6	12°40	8°35	15°51	F 13
S 14	9 34 48	24°57'23	17°11	1°38	21°34	25°22	16°41	4°15	13°46	6°48	14°36	11° 4	12°37	8°41	15°55	S 14
S 15	9 38 44	25°58'02	0°H56	1°57	22°48	26° 8	16°33	4°17	13°49	6°50	14°38	11° 0	12°33	8°48	15°58	S 15
M16	9 42 41	26°58'40	15°10	2°21	24° 2	26°55	16°25	4°20	13°51	6°53	14°40	10°54	12°30	8°55	16° 2	M16
T 17	9 46 38	27°59'17	29°52	2°51	25°16	27°41	16°17	4°23	13°54	6°55	14°41	10°47	12°27	9° 1	16° 6	T 17
W18	9 50 34	28°59'52	14°H54	3°26	26°30	28°27	16°10	4°25	13°57	6°57	14°43	10°40	12°24	9° 8	16° 9	W18
T 19	9 54 31	0°H 0'26	0°H 8	4° 6	27°44	29°13	16° 2	4°28	13°59	7° 0	14°45	10°34	12°21	9°15	16°13	T 19
F 20	9 58 27	1° 0'58	15°23	4°49	28°58	29°59	15°55	4°30	14° 2	7° 2	14°46	10°30	12°17	9°21	16°16	F 20
S 21	10 2 24	2° 1'28	0°V29	5°37	0°V12	0°V46	15°47	4°32	14° 5	7° 4	14°48	10°28	12°14	9°28	16°20	S 21
S 22	10 6 20	3° 1'57	15°18	6°27	1°26	1°32	15°40	4°34	14° 7	7° 6	14°49	10°D28	12°11	9°35	16°24	S 22
M23	10 10 17	4° 2'24	29°43	7°22	2°40	2°18	15°33	4°36	14°10	7° 9	14°51	10°29	12° 8	9°41	16°27	M23
T 24	10 14 13	5° 2'49	13°H43	8°19	3°53	3° 4	15°25	4°38	14°13	7°11	14°52	10°30	12° 5	9°48	16°31	T 24
W25	10 18 10	6° 3'12	27°17	9°19	5° 7	3°50	15°18	4°40	14°16	7°13	14°54	10°32	12° 2	9°55	16°35	W25
T 26	10 22 7	7° 3'33	10°H27	10°21	6°21	4°36	15°11	4°42	14°19	7°15	14°55	10°R32	11°58	10° 1	16°38	T 26
F 27	10 26 3	8° 3'52	23°16	11°26	7°34	5°22	15° 5	4°43	14°22	7°18	14°57	10°31	11°55	10° 8	16°42	F 27
S 28	10 30 0	9°H 4'09	5°H48	12°H33	8°V48	6°V 8	14°H58	4°H45	14°V25	7°H20	14°H58	10°H28	11°H52	10°H15	16°H46	S 28

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	17s15	18n 6	5s 3	14s39	3n35	10s55	1s31	6s33	0s49	16n13	0n57	18s54	1n59	4n39	0s39	S 1
M 2	16 58	16 51	5 0	14 55	3 38	10 27	1 30	6 14	0 48	16 15	0 57	18 55	1 59	4 40	0 39	M 2
T 3	16 41	14 51	4 43	15 12	3 38	9 58	1 29	5 55	0 47	16 18	0 57	18 55	1 59	4 41	0 38	T 3
W 4	16 23	12 13	4 14	15 30	3 35	9 30	1 28	5 37	0 47	16 21	0 57	18 56	2 0	4 41	0 38	W 4
T 5	16 5	9 7	3 33	15 47	3 31	9 0	1 27	5 18	0 46	16 23	0 58	18 56	2 0	4 42	0 38	T 5
F 6	15 47	5 40	2 44	16 4	3 25	8 31	1 26	4 59	0 45	16 26	0 58	18 57	2 0	4 43	0 38	F 6
S 7	15 28	2 1	1 47	16 21	3 17	8 2	1 25	4 40	0 45	16 28	0 58	18 57	2 0	4 44	0 38	S 7
S 8	15 10	1s44	0 46	16 37	3 8	7 32	1 24	4 21	0 44	16 31	0 58	18 58	2 0	4 45	0 38	S 8
M 9	14 51	5 25	0n18	16 52	2 58	7 2	1 22	4 2	0 43	16 33	0 58	18 58	2 0	4 46	0 38	M 9
T 10	14 31	8 55	1 22	17 6	2 48	6 32	1 21	3 43	0 43	16 36	0 58	18 59	2 0	4 47	0 38	T 10
W11	14 12	12 6	2 23	17 19	2 36	6 1	1 20	3 24	0 42	16 38	0 58	18 59	2 1	4 48	0 38	W11
T 12	13 52	14 49	3 19	17 31	2 25	5 31	1 18	3 5	0 41	16 41	0 58	19 0	2 1	4 49	0 38	T 12
F 13	13 32	16 53	4 7	17 41	2 13	5 0	1 16	2 46	0 41	16 43	0 58	19 0	2 1	4 50	0 38	F 13
S 14	13 12	18 7	4 43	17 50	2 0	4 29	1 15	2 27	0 40	16 46	0 58	19 0	2 1	4 51	0 38	S 14
S 15	12 52	18 21	5 5	17 58	1 48	3 59	1 13	2 8	0 39	16 48	0 58	19 1	2 1	4 52	0 38	S 15
M16	12 31	17 28	5 8	18 4	1 36	3 28	1 11	1 49	0 38	16 51	0 59	19 1	2 1	4 53	0 38	M16
T 17	12 10	15 24	4 53	18 9	1 24	2 57	1 9	1 30	0 38	16 53	0 59	19 1	2 2	4 54	0 38	T 17
W18	11 49	12 16	4 16	18 13	1 12	2 25	1 8	1 11	0 37	16 55	0 59	19 2	2 2	4 55	0 38	W18
T 19	11 28	8 17	3 22	18 15	1 0	1 54	1 6	0 52	0 36	16 58	0 59	19 2	2 2	4 56	0 38	T 19
F 20	11 7	3 44	2 12	18 16	0 48	1 23	1 4	0 33	0 36	17 0	0 59	19 2	2 2	4 57	0 38	F 20
S 21	10 45	1n 1	0 54	18 16	0 37	0 52	1 1	0 14	0 35	17 2	0 59	19 2	2 2	4 58	0 38	S 21
S 22	10 23	5 37	0s26	18 14	0 26	0 20	0 59	0n 5	0 34	17 4	0 59	19 3	2 2	4 59	0 38	S 22
M23	10 2	9 46	1 43	18 11	0 15	0n11	0 57	0 24	0 34	17 7	0 59	19 3	2 2	5 0	0 38	M23
T 24	9 40	13 13	2 52	18 6	0 5	0 43	0 55	0 43	0 33	17 9	0 59	19 3	2 3	5 1	0 38	T 24
W25	9 17	15 51	3 48	18 0	0s 5	1 14	0 52	1 2	0 32	17 11	0 59	19 3	2 3	5 2	0 38	W25
T 26	8 55	17 32	4 31	17 53	0 15	1 45	0 50	1 21	0 31	17 13	0 59	19 3	2 3	5 4	0 38	T 26
F 27	8 33	18 17	4 59	17 44	0 24	2 17	0 48	1 40	0 31	17 15	0 59	19 4	2 3	5 5	0 38	F 27
S 28	8s10	18n 7	5s12	17s34	0s34	2n48	0s45	1n59	0s30	17n17	0n59	19s 4	2n 3	5n 6	0s38	S 28

Julian Day Number = 2457054.5, Delta T = 67.68 sec
 Ecliptic obliquity = 23°26'05, Nutation = 0°00'06, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°57'04, Lahiri = 24°04'04

ASTRODIENST EPHEMERIS for the year 2015

geocentric

MARCH 2015

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 33 56	10♈ 4'25	18♌ 6	13♈42	10♏ 1	6♏54	14°R51	4♏46	14♏27	7♏22	14♏59	10°R24	11♏49	10♏21	16♏49	S 1
M 2	10 37 53	11° 4'38	0♏13	14°54	11°15	7°40	14♏45	4°48	14°30	7°25	15° 1	10♏19	11°46	10°28	16°53	M 2
T 3	10 41 49	12° 4'49	12°12	16° 7	12°28	8°25	14°38	4°49	14°33	7°27	15° 2	10°14	11°43	10°35	16°57	T 3
W 4	10 45 46	13° 4'58	24° 6	17°22	13°42	9°11	14°32	4°50	14°36	7°29	15° 3	10° 9	11°39	10°41	17° 1	W 4
T 5	10 49 42	14° 5'06	5♏56	18°38	14°55	9°57	14°26	4°51	14°40	7°31	15° 5	10° 5	11°36	10°48	17° 4	T 5
F 6	10 53 39	15° 5'11	17°45	19°57	16° 8	10°42	14°20	4°52	14°43	7°34	15° 6	10° 2	11°33	10°55	17° 8	F 6
S 7	10 57 35	16° 5'15	29°34	21°17	17°21	11°28	14°14	4°53	14°46	7°36	15° 7	10° 0	11°30	11° 1	17°12	S 7
S 8	11 1 32	17° 5'17	11♏26	22°38	18°34	12°14	14° 8	4°54	14°49	7°38	15° 8	10°D 0	11°27	11° 8	17°15	S 8
M 9	11 5 29	18° 5'17	23°24	24° 1	19°47	12°59	14° 3	4°54	14°52	7°40	15°10	10° 0	11°23	11°15	17°19	M 9
T 10	11 9 25	19° 5'15	5♏29	25°25	21° 0	13°45	13°57	4°55	14°55	7°43	15°11	10° 2	11°20	11°21	17°23	T 10
W 11	11 13 22	20° 5'12	17°45	26°50	22°13	14°30	13°52	4°55	14°58	7°45	15°12	10° 3	11°17	11°28	17°27	W 11
T 12	11 17 18	21° 5'07	0♏16	28°17	23°26	15°15	13°47	4°55	15° 1	7°47	15°13	10° 5	11°14	11°35	17°30	T 12
F 13	11 21 15	22° 5'00	13° 5	29°46	24°39	16° 1	13°42	4°56	15° 5	7°49	15°14	10° 6	11°11	11°41	17°34	F 13
S 14	11 25 11	23° 4'52	26°16	1♏15	25°51	16°46	13°37	4°56	15° 8	7°52	15°15	10°R 6	11° 8	11°48	17°38	S 14
S 15	11 29 8	24° 4'42	9♏52	2°46	27° 4	17°31	13°33	4°R56	15°11	7°54	15°16	10° 5	11° 4	11°55	17°42	S 15
M 16	11 33 4	25° 4'31	23°54	4°18	28°17	18°17	13°28	4°56	15°14	7°56	15°17	10° 4	11° 1	12° 1	17°45	M 16
T 17	11 37 1	26° 4'17	8♏20	5°51	29°29	19° 2	13°24	4°56	15°18	7°58	15°18	10° 2	10°58	12° 8	17°49	T 17
W 18	11 40 58	27° 4'02	23° 9	7°26	0♏42	19°47	13°20	4°55	15°21	8° 0	15°19	10° 1	10°55	12°15	17°53	W 18
T 19	11 44 54	28° 3'46	8♏12	9° 2	1°54	20°32	13°16	4°55	15°24	8° 3	15°20	9°59	10°52	12°21	17°56	T 19
F 20	11 48 51	29° 3'27	23°23	10°39	3° 6	21°17	13°12	4°54	15°28	8° 5	15°21	9°58	10°48	12°28	18° 0	F 20
S 21	11 52 47	0♏3'06	8♏31	12°17	4°18	22° 2	13° 8	4°54	15°31	8° 7	15°21	9°D58	10°45	12°35	18° 4	S 21
S 22	11 56 44	1° 2'43	23°27	13°57	5°31	22°47	13° 5	4°53	15°34	8° 9	15°22	9°58	10°42	12°41	18° 7	S 22
M 23	12 0 40	2° 2'18	8♏ 4	15°38	6°43	23°32	13° 2	4°52	15°38	8°11	15°23	9°59	10°39	12°48	18°11	M 23
T 24	12 4 37	3° 1'51	22°17	17°20	7°55	24°17	12°59	4°51	15°41	8°13	15°24	9°59	10°36	12°55	18°15	T 24
W 25	12 8 33	4° 1'22	6♏ 2	19° 4	9° 6	25° 2	12°56	4°50	15°44	8°15	15°25	10° 0	10°33	13° 1	18°18	W 25
T 26	12 12 30	5° 0'50	19°21	20°48	10°18	25°46	12°53	4°49	15°48	8°17	15°25	10° 0	10°29	13° 8	18°22	T 26
F 27	12 16 27	6° 0'16	2♏15	22°34	11°30	26°31	12°51	4°48	15°51	8°20	15°26	10°R 1	10°26	13°14	18°25	F 27
S 28	12 20 23	6°59'40	14°48	24°22	12°42	27°16	12°48	4°47	15°55	8°22	15°27	10° 1	10°23	13°21	18°29	S 28
S 29	12 24 20	7°59'02	27° 4	26°10	13°53	28° 0	12°46	4°45	15°58	8°24	15°27	10° 0	10°20	13°28	18°33	S 29
M 30	12 28 16	8°58'21	9♏ 7	28° 1	15° 5	28°45	12°44	4°44	16° 1	8°26	15°28	10° 0	10°17	13°34	18°36	M 30
T 31	12 32 13	9♏57'37	21♏ 2	29♏52	16♏16	29♏30	12♏43	4♏42	16♏ 5	8♏28	15♏28	10°D 0	10♏14	13♏41	18♏40	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	
S 1	7s47	17n 5	5s10	17s23	0s42	3n19	0s43	2n17	0s29	17n19	0n59	19s 4	2n 3	5n 7	0s38	S 1
M 2	7 25	15 18	4 54	17 10	0 51	3 50	0 40	2 36	0 29	17 21	0 59	19 4	2 4	5 8	0 38	M 2
T 3	7 2	12 53	4 26	16 56	0 59	4 21	0 37	2 55	0 28	17 23	0 59	19 4	2 4	5 9	0 38	T 3
W 4	6 39	9 56	3 46	16 41	1 6	4 52	0 35	3 13	0 27	17 25	0 59	19 4	2 4	5 11	0 38	W 4
T 5	6 16	6 36	2 57	16 24	1 14	5 23	0 32	3 32	0 26	17 26	0 59	19 4	2 4	5 12	0 38	T 5
F 6	5 52	3 0	1 59	16 6	1 21	5 54	0 29	3 51	0 26	17 28	0 59	19 4	2 4	5 13	0 38	F 6
S 7	5 29	0s42	0 57	15 47	1 27	6 25	0 26	4 9	0 25	17 30	0 59	19 4	2 4	5 14	0 38	S 7
S 8	5 6	4 24	0n 8	15 26	1 33	6 55	0 23	4 27	0 24	17 32	0 59	19 4	2 5	5 15	0 38	S 8
M 9	4 43	7 57	1 13	15 4	1 39	7 25	0 20	4 46	0 24	17 33	0 59	19 4	2 5	5 17	0 38	M 9
T 10	4 19	11 12	2 16	14 41	1 44	7 56	0 17	5 4	0 23	17 35	0 59	19 4	2 5	5 18	0 38	T 10
W 11	3 56	14 1	3 14	14 17	1 49	8 26	0 14	5 22	0 22	17 36	0 59	19 4	2 5	5 19	0 38	W 11
T 12	3 32	16 14	4 3	13 51	1 54	8 55	0 11	5 41	0 21	17 38	0 59	19 4	2 5	5 20	0 38	T 12
F 13	3 8	17 42	4 42	13 24	1 58	9 25	0 8	5 59	0 21	17 39	0 59	19 3	2 5	5 22	0 38	F 13
S 14	2 45	18 15	5 8	12 56	2 2	9 54	0 5	6 17	0 20	17 40	0 59	19 3	2 6	5 23	0 38	S 14
S 15	2 21	17 48	5 17	12 26	2 5	10 24	0 2	6 35	0 19	17 42	0 59	19 3	2 6	5 24	0 37	S 15
M 16	1 57	16 16	5 8	11 55	2 8	10 53	0n 1	6 53	0 19	17 43	0 59	19 3	2 6	5 25	0 37	M 16
T 17	1 34	13 41	4 39	11 23	2 11	11 21	0 4	7 10	0 18	17 44	0 59	19 3	2 6	5 27	0 37	T 17
W 18	1 10	10 9	3 52	10 50	2 13	11 50	0 8	7 28	0 17	17 45	0 59	19 3	2 6	5 28	0 37	W 18
T 19	0 46	5 54	2 47	10 16	2 15	12 18	0 11	7 46	0 17	17 46	0 59	19 2	2 6	5 29	0 37	T 19
F 20	0 22	1 14	1 31	9 40	2 16	12 46	0 14	8 3	0 16	17 47	0 59	19 2	2 7	5 31	0 37	F 20
S 21	0n 1	3n30	0 8	9 3	2 17	13 13	0 17	8 21	0 15	17 48	0 59	19 2	2 7	5 32	0 37	S 21
S 22	0 25	7 58	1s14	8 25	2 17	13 41	0 21	8 38	0 14	17 49	0 59	19 2	2 7	5 33	0 37	S 22
M 23	0 49	11 50	2 30	7 46	2 17	14 8	0 24	8 55	0 14	17 50	0 58	19 1	2 7	5 34	0 37	M 23
T 24	1 12	14 53	3 34	7 6	2 17	14 34	0 27	9 13	0 13	17 51	0 58	19 1	2 7	5 36	0 37	T 24
W 25	1 36	16 59	4 24	6 25	2 16	15 1	0 31	9 30	0 12	17 52	0 58	19 1	2 7	5 37	0 37	W 25
T 26	2 0	18 4	4 58	5 42	2 14	15 27	0 34	9 47	0 12	17 52	0 58	19 0	2 7	5 38	0 37	T 26
F 27	2 23	18 10	5 15	4 58	2 12	15 52	0 37	10 3	0 11	17 53	0 58	19 0	2 8	5 40	0 37	F 27
S 28	2 47	17 22	5 17	4 13	2 10	16 17	0 41	10 20	0 10	17 54	0 58	19 0	2 8	5 41	0 37	S 28
S 29	3 10	15 46	5 4	3 28	2 7	16 42	0 44	10 37	0 10	17 54	0 58	18 59	2 8	5 42	0 37	S 29
M 30	3 33	13 30	4 38	2 41	2 3	17 7	0 47	10 53	0 9	17 55	0 58	18 59	2 8	5 44	0 37	M 30
T 31	3n57	10n41	4s 0	1s53	1s59	17n31	0n51	11n10	0s 8	17n55	0n58	18s58	2n 8	5n45	0s37	T 31

Julian Day Number = 2457082.5, Delta T = 67.71 sec
 Ecliptic obliquity = 23°26'06, Nutation = 0°00'05, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°57'08, Lahiri = 24°04'08

ASTRODIENST EPHEMERIS for the year 2015

geocentric

APRIL 2015

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 36 9	10°56'52	2°51	1°45	17°27	0°14	12°R41	4°R41	16°Y 8	8°K30	15°Z29	10°Ω 0	10°Ω 10	13°M48	18°K43	W 1
T 2	12 40 6	11°56'04	14°39	3°39	18°39	0°58	12°Ω40	4°Z39	16°12	8°32	15°29	10° 0	10° 7	13°54	18°47	T 2
F 3	12 44 2	12°55'14	26°29	5°34	19°50	1°43	12°39	4°37	16°15	8°34	15°30	10° 1	10° 4	14° 1	18°50	F 3
S 4	12 47 59	13°54'22	8°22	7°31	21° 1	2°27	12°38	4°35	16°18	8°36	15°30	10°R 1	10° 1	14° 8	18°54	S 4
S 5	12 51 55	14°53'28	20°22	9°29	22°12	3°11	12°37	4°33	16°22	8°38	15°30	10° 1	9°58	14°14	18°57	S 5
M 6	12 55 52	15°52'32	2°30	11°29	23°22	3°56	12°36	4°31	16°25	8°39	15°31	10° 0	9°54	14°21	19° 0	M 6
T 7	12 59 49	16°51'34	14°48	13°29	24°33	4°40	12°36	4°29	16°29	8°41	15°31	10° 0	9°51	14°28	19° 4	T 7
W 8	13 3 45	17°50'34	27°18	15°31	25°44	5°24	12°35	4°26	16°32	8°43	15°31	9°59	9°48	14°34	19° 7	W 8
T 9	13 7 42	18°49'33	10°1	17°34	26°54	6° 8	12°D35	4°24	16°36	8°45	15°32	9°57	9°45	14°41	19°10	T 9
F 10	13 11 38	19°48'29	22°59	19°38	28° 4	6°52	12°36	4°22	16°39	8°47	15°32	9°56	9°42	14°48	19°14	F 10
S 11	13 15 35	20°47'24	6°31	21°42	29°15	7°36	12°36	4°19	16°42	8°49	15°32	9°56	9°39	14°54	19°17	S 11
S 12	13 19 31	21°46'17	19°47	23°48	0°11	8°20	12°36	4°16	16°46	8°51	15°32	9°D55	9°35	15° 1	19°20	S 12
M13	13 23 28	22°45'09	3°39	25°54	1°35	9° 4	12°37	4°14	16°49	8°52	15°32	9°55	9°32	15° 8	19°24	M13
T 14	13 27 24	23°43'58	17°50	28° 0	2°45	9°48	12°38	4°11	16°53	8°54	15°33	9°56	9°29	15°14	19°27	T 14
W15	13 31 21	24°42'46	2°19	0°8	3°55	10°32	12°39	4° 8	16°56	8°56	15°33	9°57	9°26	15°21	19°30	W15
T 16	13 35 18	25°41'32	17° 1	2°12	5° 4	11°15	12°40	4° 5	16°59	8°57	15°33	9°58	9°23	15°28	19°33	T 16
F 17	13 39 14	26°40'17	1°Y52	4°18	6°14	11°59	12°42	4° 2	17° 3	8°59	15°R33	9°59	9°19	15°34	19°36	F 17
S 18	13 43 11	27°38'59	16°44	6°22	7°24	12°43	12°44	3°59	17° 6	9° 1	15°33	9°R59	9°16	15°41	19°39	S 18
S 19	13 47 7	28°37'40	1°8	8°26	8°33	13°26	12°45	3°56	17°10	9° 2	15°33	9°58	9°13	15°48	19°42	S 19
M20	13 51 4	29°36'19	16° 5	10°28	9°42	14°10	12°47	3°53	17°13	9° 4	15°33	9°56	9°10	15°54	19°46	M20
T 21	13 55 0	0°34'56	0°11	12°29	10°51	14°53	12°50	3°49	17°16	9° 6	15°33	9°54	9° 7	16° 1	19°49	T 21
W22	13 58 57	1°33'30	14° 9	14°27	12° 0	15°37	12°52	3°46	17°20	9° 7	15°32	9°51	9° 4	16° 8	19°52	W22
T 23	14 2 53	2°32'03	27°34	16°23	13° 9	16°20	12°54	3°43	17°23	9° 9	15°32	9°48	9° 0	16°14	19°54	T 23
F 24	14 6 50	3°30'33	10°34	18°16	14°18	17° 4	12°57	3°39	17°26	9°10	15°32	9°45	8°57	16°21	19°57	F 24
S 25	14 10 47	4°29'02	23°12	20° 6	15°26	17°47	13° 0	3°35	17°30	9°12	15°32	9°43	8°54	16°28	20° 0	S 25
S 26	14 14 43	5°27'28	5°Ω30	21°53	16°35	18°30	13° 3	3°32	17°33	9°13	15°32	9°D43	8°51	16°34	20° 3	S 26
M27	14 18 40	6°25'52	17°33	23°37	17°43	19°13	13° 6	3°28	17°36	9°15	15°31	9°43	8°48	16°41	20° 6	M27
T 28	14 22 36	7°24'14	29°27	25°17	18°51	19°56	13°10	3°24	17°40	9°16	15°31	9°45	8°45	16°48	20° 9	T 28
W29	14 26 33	8°22'34	11°M16	26°53	19°59	20°40	13°13	3°21	17°43	9°18	15°31	9°47	8°41	16°54	20°11	W29
T 30	14 30 29	9°20'52	23°M 4	28°Z25	21°II 7	21°Z23	13°Ω17	3°M17	17°Y46	9°K19	15°Z30	9°Z48	8°Z38	17°M 1	20°K14	T 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	4n20	7n28	3s12	1s 4	1s55	17n54	0n54	11n26	0s 8	17n55	0n58	18s58	2n 8	5n46	0s37	9s 4
T 2	4 43	3 57	2 16	0 14	1 50	18 17	0 57	11 42	0 7	17 56	0 58	18 58	2 8	5 48	0 37	9 4
F 3	5 6	0 16	1 15	0n37	1 44	18 40	1 1	11 58	0 6	17 56	0 58	18 57	2 9	5 49	0 37	9 3
S 4	5 29	3s28	0 9	1 29	1 38	19 2	1 4	12 14	0 6	17 56	0 58	18 57	2 9	5 50	0 37	9 2
S 5	5 52	7 4	0n57	2 21	1 32	19 24	1 7	12 30	0 5	17 56	0 58	18 56	2 9	5 52	0 37	9 1
M 6	6 15	10 26	2 2	3 14	1 25	19 45	1 11	12 46	0 4	17 57	0 58	18 56	2 9	5 53	0 37	9 1
T 7	6 37	13 23	3 2	4 8	1 17	20 6	1 14	13 1	0 4	17 57	0 57	18 55	2 9	5 54	0 37	9 0
W 8	7 0	15 46	3 54	5 2	1 9	20 26	1 17	13 17	0 3	17 57	0 57	18 55	2 9	5 56	0 37	8 59
T 9	7 22	17 25	4 35	5 57	1 1	20 46	1 20	13 32	0 2	17 56	0 57	18 54	2 9	5 57	0 37	8 59
F 10	7 45	18 12	5 3	6 53	0 52	21 5	1 24	13 47	0 1	17 56	0 57	18 53	2 9	5 58	0 37	8 58
S 11	8 7	18 1	5 17	7 48	0 43	21 24	1 27	14 2	0 1	17 56	0 57	18 53	2 10	6 0	0 37	8 57
S 12	8 29	16 49	5 13	8 43	0 33	21 42	1 30	14 17	0 0	17 56	0 57	18 52	2 10	6 1	0 37	8 57
M13	8 51	14 37	4 50	9 39	0 23	22 0	1 33	14 31	0n 1	17 56	0 57	18 52	2 10	6 2	0 37	8 56
T 14	9 13	11 30	4 11	10 34	0 12	22 17	1 36	14 46	0 1	17 55	0 57	18 51	2 10	6 3	0 37	8 55
W15	9 34	7 38	3 14	11 29	0 2	22 33	1 39	15 0	0 2	17 55	0 57	18 50	2 10	6 5	0 37	8 55
T 16	9 56	3 13	2 4	12 23	0n 9	22 49	1 42	15 15	0 2	17 55	0 57	18 50	2 10	6 6	0 37	8 54
F 17	10 17	1n26	0 45	13 16	0 30	23 4	1 45	15 29	0 3	17 54	0 57	18 49	2 10	6 7	0 37	8 54
S 18	10 38	6 0	0 37	14 8	0 21	23 19	1 48	15 43	0 4	17 53	0 57	18 48	2 10	6 9	0 37	8 53
S 19	10 59	10 11	1 56	14 59	0 42	23 33	1 51	15 56	0 4	17 53	0 56	18 48	2 10	6 10	0 37	8 52
M20	11 20	13 40	3 7	15 48	0 53	23 47	1 54	16 10	0 5	17 52	0 56	18 47	2 10	6 11	0 37	8 52
T 21	11 40	16 15	4 3	16 35	1 4	24 0	1 57	16 24	0 6	17 52	0 56	18 46	2 11	6 13	0 37	8 51
W22	12 1	17 47	4 44	17 21	1 14	24 12	2 0	16 37	0 6	17 51	0 56	18 46	2 11	6 14	0 37	8 51
T 23	12 21	18 17	5 8	18 5	1 24	24 24	2 2	16 50	0 7	17 50	0 56	18 45	2 11	6 15	0 37	8 50
F 24	12 41	17 47	5 15	18 46	1 34	24 35	2 5	17 3	0 8	17 49	0 56	18 44	2 11	6 16	0 37	8 50
S 25	13 1	16 24	5 7	19 25	1 43	24 45	2 8	17 16	0 8	17 48	0 56	18 44	2 11	6 18	0 37	8 49
S 26	13 20	14 18	4 44	20 2	1 52	24 55	2 10	17 28	0 9	17 47	0 56	18 43	2 11	6 19	0 37	8 48
M27	13 40	11 37	4 9	20 36	2 0	25 4	2 12	17 41	0 10	17 46	0 56	18 42	2 11	6 20	0 37	8 48
T 28	13 59	8 28	3 24	21 8	2 7	25 12	2 15	17 53	0 10	17 45	0 56	18 41	2 11	6 21	0 37	8 47
W29	14 18	5 1	2 31	21 37	2 14	25 20	2 17	18 5	0 11	17 44	0 56	18 41	2 11	6 23	0 37	8 47
T 30	14n36	1n22	1s31	22n 4	2n20	25n27	2n19	18n17	0n11	17n43	0n55	18s40	2n11	6n24	0s37	8s46

Julian Day Number = 2457113.5, Delta T = 67.75 sec

Ecliptic obliquity = 23°26'06, Nutation = 0°00'03, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°57'12, Lahiri = 24°04'12

ASTRODIENST EPHEMERIS for the year 2015

geocentric

MAY 2015

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 34 26	10♈19'07	4♊56	29♈53	22♈15	22♈ 6	13♈21	3°R13	17°Y49	9♈20	15°R30	9°R49	8♊35	17♈ 7	20♈17	F 1
S 2	14 38 22	11°17'21	16°56	1♈17	23°22	22°49	13°25	3♈ 9	17°53	9°22	15°29	9♊49	8°32	17°14	20°19	S 2
S 3	14 42 19	12°15'33	29° 5	2°36	24°29	23°31	13°29	3° 5	17°56	9°23	15°29	9°48	8°29	17°21	20°22	S 3
M 4	14 46 16	13°13'44	11♈27	3°51	25°36	24°14	13°34	3° 1	17°59	9°24	15°29	9°44	8°25	17°27	20°25	M 4
T 5	14 50 12	14°11'52	24° 2	5° 2	26°43	24°57	13°38	2°57	18° 2	9°25	15°28	9°40	8°22	17°34	20°27	T 5
W 6	14 54 9	15° 9'59	6♈52	6° 8	27°50	25°40	13°43	2°53	18° 5	9°27	15°28	9°34	8°19	17°41	20°30	W 6
T 7	14 58 5	16° 8'04	19°55	7° 9	28°57	26°23	13°48	2°49	18° 8	9°28	15°27	9°28	8°16	17°47	20°32	T 7
F 8	15 2 2	17° 6'08	3♈11	8° 6	0♈ 3	27° 5	13°53	2°44	18°12	9°29	15°26	9°22	8°13	17°54	20°34	F 8
S 9	15 5 58	18° 4'11	16°41	8°58	1° 9	27°48	13°58	2°40	18°15	9°30	15°26	9°18	8°10	18° 1	20°37	S 9
S 10	15 9 55	19° 2'12	0♈22	9°46	2°15	28°30	14° 4	2°36	18°18	9°31	15°25	9°14	8° 6	18° 7	20°39	S 10
M11	15 13 51	20° 0'11	14°15	10°28	3°21	29°13	14° 9	2°32	18°21	9°32	15°24	9°D13	8° 3	18°14	20°41	M11
T 12	15 17 48	20°58'10	28°18	11° 6	4°27	29°55	14°15	2°27	18°24	9°33	15°24	9°13	8° 0	18°21	20°44	T 12
W13	15 21 45	21°56'07	12♈31	11°38	5°32	0♈38	14°21	2°23	18°27	9°34	15°23	9°14	7°57	18°27	20°46	W13
T 14	15 25 41	22°54'03	26°52	12° 6	6°37	1°20	14°27	2°19	18°30	9°35	15°22	9°15	7°54	18°34	20°48	T 14
F 15	15 29 38	23°51'57	11°Y18	12°28	7°42	2° 2	14°33	2°14	18°33	9°36	15°22	9°R16	7°51	18°41	20°50	F 15
S 16	15 33 34	24°49'51	25°46	12°46	8°47	2°45	14°39	2°10	18°36	9°37	15°21	9°14	7°47	18°47	20°52	S 16
S 17	15 37 31	25°47'43	10♈11	12°58	9°51	3°27	14°46	2° 5	18°39	9°38	15°20	9°11	7°44	18°54	20°54	S 17
M18	15 41 27	26°45'33	24°27	13° 6	10°56	4° 9	14°52	2° 1	18°41	9°39	15°19	9° 6	7°41	19° 1	20°56	M18
T 19	15 45 24	27°43'23	8♈28	13°R 9	12° 0	4°51	14°59	1°56	18°44	9°39	15°18	8°59	7°38	19° 7	20°58	T 19
W20	15 49 20	28°41'11	22°12	13° 7	13° 4	5°33	15° 6	1°52	18°47	9°40	15°17	8°51	7°35	19°14	21° 0	W20
T 21	15 53 17	29°38'57	5♈34	13° 0	14° 7	6°15	15°13	1°47	18°50	9°41	15°16	8°42	7°31	19°21	21° 2	T 21
F 22	15 57 14	0♈36'42	18°34	12°49	15°10	6°57	15°20	1°43	18°53	9°42	15°15	8°35	7°28	19°27	21° 3	F 22
S 23	16 1 10	1°34'25	1♈12	12°34	16°13	7°39	15°27	1°39	18°55	9°42	15°14	8°29	7°25	19°34	21° 5	S 23
S 24	16 5 7	2°32'07	13°31	12°15	17°16	8°21	15°34	1°34	18°58	9°43	15°14	8°25	7°22	19°41	21° 7	S 24
M25	16 9 3	3°29'47	25°35	11°52	18°18	9° 3	15°42	1°30	19° 1	9°44	15°13	8°23	7°19	19°47	21° 8	M25
T 26	16 13 0	4°27'26	7♈30	11°27	19°20	9°45	15°49	1°25	19° 3	9°44	15°11	8°D23	7°16	19°54	21°10	T 26
W27	16 16 56	5°25'03	19°19	10°58	20°22	10°26	15°57	1°21	19° 6	9°45	15°10	8°23	7°12	20° 0	21°12	W27
T 28	16 20 53	6°22'39	1♈ 8	10°28	21°24	11° 8	16° 5	1°16	19° 9	9°45	15° 9	8°24	7° 9	20° 7	21°13	T 28
F 29	16 24 49	7°20'13	13° 3	9°55	22°25	11°50	16°13	1°12	19°11	9°46	15° 8	8°R24	7° 6	20°14	21°14	F 29
S 30	16 28 46	8°17'46	25° 8	9°22	23°26	12°31	16°21	1° 7	19°14	9°46	15° 7	8°23	7° 3	20°20	21°16	S 30
S 31	16 32 43	9♈15'17	7♈26	8♈48	24♈26	13♈13	16♈29	1♈ 3	19°Y16	9♈47	15°2 6	8♈19	7♈ 0	20°27	21°17	S 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
F 1	14n55	2s22	0s27	22n29	2n25	25n34	2n22	18n29	0n12	17n42	0n55	18s39	2n11	6n25	0s37	8s46	0s45	20s29	2n 4	3s53	3s24	3n21	0n16	4n28	
S 2	15 13	6 3	0n39	22 50	2 29	25 40	2 24	18 41	0 13	17 40	0 55	18 38	2 11	6 26	0 37	8 46	0 45	20 29	2 3	3 53	3 23	3 19	0 17	4 28	
S 3	15 31	9 32	1 44	23 10	2 32	25 45	2 26	18 52	0 13	17 39	0 55	18 37	2 11	6 27	0 37	8 45	0 45	20 30	2 3	3 53	3 22	3 17	0 18	4 28	
M 4	15 48	12 39	2 44	23 27	2 34	25 49	2 28	19 3	0 14	17 38	0 55	18 37	2 11	6 29	0 37	8 45	0 45	20 30	2 3	3 51	3 20	3 15	0 19	4 29	
T 5	16 6	15 15	3 38	23 41	2 36	25 53	2 29	19 14	0 15	17 36	0 55	18 36	2 11	6 30	0 37	8 44	0 45	20 30	2 3	3 50	3 19	3 13	0 20	4 29	
W 6	16 23	17 9	4 22	23 54	2 36	25 56	2 31	19 25	0 15	17 35	0 55	18 35	2 11	6 31	0 37	8 44	0 45	20 30	2 3	3 47	3 18	3 12	0 21	4 29	
T 7	16 40	18 11	4 53	24 4	2 36	25 59	2 33	19 36	0 16	17 33	0 55	18 34	2 11	6 32	0 37	8 43	0 46	20 30	2 3	3 45	3 17	3 10	0 22	4 29	
F 8	16 56	18 15	5 9	24 12	2 34	26 1	2 35	19 46	0 16	17 32	0 55	18 33	2 11	6 33	0 37	8 43	0 46	20 30	2 3	3 43	3 15	3 8	0 23	4 29	
S 9	17 13	17 18	5 8	24 17	2 32	26 2	2 36	19 56	0 17	17 30	0 55	18 32	2 11	6 35	0 37	8 43	0 46	20 30	2 3	3 41	3 14	3 6	0 24	4 29	
S 10	17 29	15 21	4 50	24 21	2 28	26 2	2 37	20 7	0 18	17 29	0 55	18 32	2 11	6 36	0 37	8 42	0 46	20 30	2 3	3 40	3 13	3 4	0 26	4 29	
M11	17 44	12 29	4 15	24 23	2 23	26 2	2 39	20 16	0 18	17 27	0 55	18 31	2 11	6 37	0 37	8 42	0 46	20 30	2 3	3 39	3 12	3 2	0 27	4 30	
T 12	18 0	8 52	3 24	24 22	2 18	26 1	2 40	20 26	0 19	17 25	0 54	18 30	2 11	6 38	0 37	8 42	0 46	20 31	2 3	3 39	3 10	3 1	0 28	4 30	
W13	18 15	4 42	2 20	24 20	2 11	26 0	2 41	20 36	0 19	17 23	0 54	18 29	2 11	6 39	0 37	8 41	0 46	20 31	2 3	3 39	3 9	2 59	0 29	4 30	
T 14	18 30	0 14	1 7	24 16	2 3	25 58	2 42	20 45	0 20	17 22	0 54	18 28	2 11	6 40	0 37	8 41	0 46	20 31	2 3	3 40	3 8	2 57	0 30	4 30	
F 15	18 44	4n18	0s11	24 10	1 54	25 55	2 43	20 54	0 21	17 20	0 54	18 27	2 11	6 41	0 37	8 41	0 46	20 31	2 3	3 40	3 7	2 55	0 31	4 30	
S 16	18 58	8 35	1 28	24 2	1 44	25 52	2 44	21 3	0 21	17 18	0 54	18 27	2 11	6 43	0 37	8 40	0 46	20 31	2 3	3 40	3 5	2 53	0 31	4 30	
S 17	19 12	12 21	2 39	23 53	1 33	25 48	2 44	21 12	0 22	17 16	0 54	18 26	2 11	6 44	0 37	8 40	0 46	20 31	2 3	3 38	3 4	2 52	0 32	4 30	
M18	19 26	15 20	3 39	23 42	1 21	25 43	2 45	21 20	0 22	17 14	0 54	18 25	2 11	6 45	0 37	8 40	0 46	20 31	2 3	3 36	3 3	2 50	0 33	4 31	
T 19	19 39	17 21	4 25	23 30	1 8	25 38	2 45	21 28	0 23	17 12	0 54	18 24	2 11	6 46	0 37	8 39	0 46	20 32	2 3	3 34	3 2	2 48	0 34	4 31	
W20	19 52	18 18	4 55	23 15	0 54	25 32	2 45	21 37	0 23	17 10	0 54	18 23	2 11	6 47	0 37	8 39	0 46	20 32	2 3	3 30	3 0	2 46	0 35	4 31	
T 21	20 4	18 13	5 7	23 0	0 39	25 26	2 46	21 44	0 24	17 8	0 54	18 22	2 11	6 48	0 37	8 39	0 46	20 32	2 3	3 27	2 59	2 44	0 36	4 31	
F 22	20 16	17 9	5 3	22 43	0 24	25 19	2 46	21 52	0 25	17 6	0 54	18 22	2 11	6 49	0 38	8 39	0 46	20 32	2 3	3 24	2 58	2 42	0 37	4 31	
S 23	20 28	15 16	4 44	22 25	0 7	25 11	2 46	22 0	0 25	17 3	0 54	18 21	2 11	6 50	0 38	8 38	0 46	20 32	2 2	3 22	2 57	2 41	0 38	4 32	
S 24	20 40	12 44	4 12	22 6	0s 9	25 3	2 45	22 7	0 26	17 1	0 54	18 20	2 11	6 51	0 38	8 38	0 46	20 32	2 2	3 20	2 55	2 39	0 38	4 32	
M25	20 51	9 42	3 29	21 46	0 26	24 54	2 45	22 14	0 26	16 59	0 53	18 19	2 11	6 52	0 38	8 38	0 46	20 32	2 2	3 19	2 54	2 37	0 39	4 32	
T 26	21 2	6 18	2 38	21 26	0 44	24 45	2 45	22 21	0 27	16 56	0 53	18 18	2 11	6 53	0 38	8 38	0 46	20 33	2 2	3 19	2 53	2 35	0 40	4 32	
W27	21 12	2 41	1 41	21 4	1 1	24 35	2 44	22 28	0 27	16 54	0 53	18 17	2 11	6 54	0 38	8 38	0 46	20 33	2 2	3 20	2 52	2 33	0 41	4 32	
T 28	21 22	1s 3	0 39	20 43	1 19	24 25	2 43	22 34	0 28	16 52	0 53	18 17	2 11	6 55	0 38	8 37	0 46	20 33	2 2	3 20	2 50	2 31	0 42	4 32	
F 29	21 32	4 46	0n25	20 21	1 36	24 14	2 42	22 40	0 28	16 49	0 53	18 16	2 11	6 56	0 38	8 37	0 46	20 33	2 2	3 20	2 49	2 30	0 42	4 33	
S 30	21 41	8 21	1 28	19 59	1 53	24 3	2 41	22 46	0 29	16 47	0 53	18 15	2 11	6 57	0 38	8 37	0 46	20 33	2 2	3 19	2 48	2 28	0 43	4 33	
S 31	21n50	11s39	2n29	19n38	2s10	23n51	2n40	22n52	0n30	16n44	0n53	18s14	2n11	6n58	0s38	8s37	0s46	20s34	2n 2	3s18	2s47	2n26	0n44	4n33	

ASTRODIENST EPHEMERIS for the year 2015

geocentric

JULY 2015

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	18 34 56	8°52'34	24°45	17°11	21°02	4°20	21°03	29°R 5	20°Y14	9°R44	14°R24	5°R13	5°21	23°53	21°R32	W 1
T 2	18 38 52	9°49'45	8°34	19°10	22° 4	5° 0	21°45	29°R 2	20°16	9°R43	14°R23	5° 1	5°18	24° 0	21°R32	T 2
F 3	18 42 49	10°46'56	22°40	20°35	22°43	5°40	21°56	29° 0	20°17	9°42	14°21	4°50	5°15	24° 7	21°31	F 3
S 4	18 46 45	11°44'07	6°58	22° 5	23°21	6°20	22° 8	28°57	20°18	9°42	14°20	4°40	5°12	24°13	21°31	S 4
S 5	18 50 42	12°41'18	21°22	23°37	23°58	7° 0	22°19	28°54	20°19	9°41	14°18	4°33	5° 8	24°20	21°30	S 5
M 6	18 54 39	13°38'29	5°46	25°14	24°34	7°40	22°30	28°52	20°20	9°40	14°17	4°28	5° 5	24°26	21°30	M 6
T 7	18 58 35	14°35'41	20° 7	26°54	25° 8	8°20	22°42	28°49	20°21	9°39	14°15	4°26	5° 2	24°33	21°29	T 7
W 8	19 2 32	15°32'53	4°Y22	28°37	25°41	9° 0	22°53	28°47	20°22	9°39	14°14	4°D25	4°59	24°40	21°28	W 8
T 9	19 6 28	16°30'05	18°28	0°23	26°12	9°40	23° 5	28°45	20°23	9°38	14°12	4°R25	4°56	24°46	21°28	T 9
F 10	19 10 25	17°27'18	2°25	2°12	26°42	10°20	23°17	28°43	20°24	9°37	14°11	4°25	4°53	24°53	21°27	F 10
S 11	19 14 21	18°24'31	16°13	4° 5	27°11	11° 0	23°28	28°40	20°24	9°36	14° 9	4°22	4°49	25° 0	21°26	S 11
S 12	19 18 18	19°21'44	29°51	6° 0	27°38	11°40	23°40	28°38	20°25	9°35	14° 8	4°17	4°46	25° 6	21°25	S 12
M13	19 22 14	20°18'58	13°11	7°58	28° 4	12°19	23°52	28°36	20°26	9°34	14° 6	4°10	4°43	25°13	21°24	M13
T 14	19 26 11	21°16'13	26°35	9°58	28°28	12°59	24° 4	28°35	20°26	9°33	14° 5	4° 0	4°40	25°20	21°23	T 14
W15	19 30 8	22°13'28	9°39	12° 0	28°50	13°39	24°16	28°33	20°27	9°33	14° 3	3°48	4°37	25°26	21°22	W15
T 16	19 34 4	23°10'43	22°29	14° 4	29°10	14°19	24°28	28°31	20°28	9°32	14° 2	3°36	4°34	25°33	21°21	T 16
F 17	19 38 1	24° 7'59	5° 5	16° 9	29°29	14°58	24°40	28°30	20°28	9°31	14° 0	3°25	4°30	25°40	21°20	F 17
S 18	19 41 57	25° 5'14	17°27	18°15	29°46	15°38	24°52	28°28	20°28	9°29	13°59	3°16	4°27	25°46	21°19	S 18
S 19	19 45 54	26° 2'31	29°37	20°23	0° 1	16°18	25° 4	28°27	20°29	9°28	13°57	3° 8	4°24	25°53	21°17	S 19
M20	19 49 50	26°59'47	11° 35	22°31	0°14	16°57	25°17	28°25	20°29	9°27	13°56	3° 4	4°21	26° 0	21°16	M20
T 21	19 53 47	27°57'04	23°26	24°39	0°25	17°37	25°29	28°24	20°29	9°26	13°55	3° 2	4°18	26° 6	21°15	T 21
W22	19 57 43	28°54'20	5°13	26°47	0°33	18°16	25°41	28°23	20°30	9°25	13°53	3°D 1	4°14	26°13	21°13	W22
T 23	20 1 40	29°51'38	17° 1	28°55	0°40	18°55	25°53	28°22	20°30	9°24	13°52	3° 2	4°11	26°19	21°12	T 23
F 24	20 5 37	0°48'55	28°56	1° 2	0°44	19°35	26° 6	28°21	20°30	9°23	13°50	3°R 2	4° 8	26°26	21°10	F 24
S 25	20 9 33	1°46'13	11° 3	3° 9	0°R46	20°14	26°18	28°20	20°30	9°22	13°49	3° 2	4° 5	26°33	21° 9	S 25
S 26	20 13 30	2°43'31	23°27	5°15	0°46	20°54	26°31	28°19	20°R30	9°20	13°47	3° 0	4° 2	26°39	21° 7	S 26
M27	20 17 26	3°40'50	6°13	7°19	0°43	21°33	26°43	28°19	20°30	9°19	13°46	2°55	3°59	26°46	21° 6	M27
T 28	20 21 23	4°38'09	19°23	9°22	0°38	22°12	26°56	28°18	20°30	9°18	13°45	2°49	3°55	26°53	21° 4	T 28
W29	20 25 19	5°35'29	2°59	11°24	0°31	22°51	27° 8	28°18	20°30	9°17	13°43	2°41	3°52	26°59	21° 2	W29
T 30	20 29 16	6°32'49	17° 1	13°25	0°21	23°31	27°21	28°17	20°30	9°15	13°42	2°32	3°49	27° 6	21° 1	T 30
F 31	20 33 12	7°30'10	1°25	15°24	0° 9	24°10	27°33	28°17	20°Y30	9°R14	13°R41	2°24	3°46	27°13	20°R59	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	23n 8	18s24	4n56	20n36	2s17	14n53	0n33	24n 7	0n45	15n 8	0n52	17s54	2n 6	7n19	0s38	8s39
T 2	23 4	18 10	5 0	20 55	2 5	14 33	0 26	24 6	0 45	15 4	0 52	17 54	2 6	7 19	0 38	8 39
F 3	23 0	16 49	4 47	21 13	1 53	14 13	0 18	24 5	0 46	15 0	0 52	17 53	2 6	7 20	0 38	8 40
S 4	22 55	14 25	4 15	21 31	1 41	13 53	0 10	24 3	0 46	14 57	0 52	17 53	2 5	7 20	0 38	8 40
S 5	22 50	11 7	3 27	21 49	1 28	13 33	0 2	24 2	0 47	14 53	0 52	17 52	2 5	7 21	0 38	8 40
M 6	22 44	7 8	2 26	22 5	1 16	13 14	0s 7	24 0	0 47	14 49	0 52	17 52	2 5	7 21	0 39	8 41
T 7	22 38	2 46	1 15	22 21	1 3	12 54	0 16	23 58	0 48	14 45	0 51	17 52	2 5	7 21	0 39	8 41
W 8	22 32	1n44	0 0	22 35	0 50	12 34	0 25	23 56	0 48	14 42	0 51	17 52	2 5	7 22	0 39	8 41
T 9	22 25	6 6	1s14	22 48	0 38	12 15	0 34	23 53	0 49	14 38	0 51	17 51	2 4	7 22	0 39	8 42
F 10	22 18	10 5	2 23	22 59	0 26	11 56	0 44	23 51	0 49	14 34	0 51	17 51	2 4	7 22	0 39	8 42
S 11	22 10	13 27	3 22	23 9	0 13	11 37	0 54	23 48	0 49	14 30	0 51	17 51	2 4	7 22	0 39	8 42
S 12	22 2	16 3	4 10	23 16	0 2	11 18	1 4	23 45	0 50	14 26	0 51	17 50	2 4	7 23	0 39	8 43
M13	21 54	17 43	4 43	23 22	0n10	10 59	1 14	23 42	0 50	14 22	0 51	17 50	2 3	7 23	0 39	8 43
T 14	21 45	18 24	4 59	23 25	0 21	10 41	1 25	23 38	0 51	14 18	0 51	17 50	2 3	7 23	0 39	8 43
W15	21 36	18 5	5 0	23 25	0 32	10 23	1 36	23 35	0 51	14 14	0 51	17 50	2 3	7 23	0 39	8 44
T 16	21 27	16 51	4 46	23 23	0 42	10 5	1 47	23 31	0 51	14 10	0 51	17 50	2 3	7 23	0 39	8 44
F 17	21 17	14 49	4 18	23 18	0 51	9 48	1 58	23 27	0 52	14 6	0 51	17 50	2 3	7 24	0 39	8 45
S 18	21 7	12 8	3 38	23 11	1 0	9 31	2 10	23 23	0 52	14 2	0 51	17 50	2 2	7 24	0 39	8 45
S 19	20 56	8 59	2 48	23 1	1 8	9 15	2 22	23 19	0 53	13 58	0 51	17 49	2 2	7 24	0 39	8 45
M20	20 45	5 30	1 52	22 48	1 15	8 59	2 34	23 14	0 53	13 54	0 51	17 49	2 2	7 24	0 39	8 46
T 21	20 34	1 50	0 51	22 32	1 22	8 44	2 47	23 10	0 54	13 50	0 51	17 49	2 2	7 24	0 39	8 46
W22	20 22	1s53	0n12	22 14	1 28	8 29	2 59	23 5	0 54	13 46	0 51	17 49	2 1	7 24	0 39	8 47
T 23	20 11	5 33	1 14	21 53	1 33	8 14	3 12	23 0	0 54	13 42	0 51	17 49	2 1	7 24	0 39	8 47
F 24	19 58	9 0	2 14	21 30	1 37	8 1	3 25	22 55	0 55	13 37	0 51	17 49	2 1	7 24	0 39	8 48
S 25	19 46	12 9	3 9	21 5	1 41	7 48	3 38	22 49	0 55	13 33	0 51	17 49	2 1	7 24	0 39	8 48
S 26	19 33	14 49	3 56	20 37	1 43	7 35	3 52	22 44	0 56	13 29	0 51	17 50	2 0	7 24	0 39	8 49
M27	19 20	16 51	4 34	20 8	1 45	7 23	4 5	22 38	0 56	13 25	0 51	17 50	2 0	7 24	0 39	8 49
T 28	19 6	18 4	4 58	19 37	1 46	7 13	4 19	22 32	0 56	13 20	0 51	17 50	2 0	7 24	0 39	8 50
W29	18 52	18 18	5 6	19 4	1 47	7 2	4 32	22 26	0 57	13 16	0 51	17 50	2 0	7 24	0 39	8 50
T 30	18 38	17 27	4 56	18 30	1 47	6 53	4 46	22 20	0 57	13 12	0 51	17 50	1 59	7 24	0 39	8 51
F 31	18n23	15s29	4n28	17n54	1n46	6n45	4s59	22n13	0n57	13n 7	0n51	17s50	1n59	7n24	0s39	8s51

Julian Day Number = 2457204.5, Delta T = 67.86 sec
 Ecliptic obliquity = 23°26'04, Nutation = 0°00'02, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°57'24, Lahiri = 24°04'25

ASTRODIENST EPHEMERIS for the year 2015

geocentric

AUGUST 2015

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 37 9	8♌27°31	16♋4	17♌22	29°R55	24♌49	27♌46	28°R17	20°R29	9°R13	13°R39	2°R16	3♌43	27♌19	20°R57	S 1
S 2	20 41 6	9°24'54	0♌52	19°18	29♌38	25°28	27°59	28°D17	20°Y29	9♌11	13♌38	2♌11	3°40	27°26	20♌55	S 2
M 3	20 45 2	10°22'17	15°40	21°12	29°18	26° 7	28°11	28♌17	20°29	9°10	13°37	2° 8	3°36	27°33	20°53	M 3
T 4	20 48 59	11°19'42	0♌22	23° 5	28°57	26°46	28°24	28°17	20°28	9° 8	13°35	2°D 7	3°33	27°39	20°51	T 4
W 5	20 52 55	12°17'07	14°52	24°57	28°33	27°25	28°37	28°17	20°28	9° 7	13°34	2° 7	3°30	27°46	20°49	W 5
T 6	20 56 52	13°14'34	29° 7	26°46	28° 8	28° 4	28°50	28°18	20°27	9° 6	13°33	2° 8	3°27	27°52	20°47	T 6
F 7	21 0 48	14°12'02	13♌6	28°34	27°40	28°43	29° 2	28°18	20°27	9° 4	13°32	2°R 9	3°24	27°59	20°45	F 7
S 8	21 4 45	15° 9'32	26°48	0♌21	27°11	29°22	29°15	28°19	20°26	9° 3	13°30	2° 8	3°20	28° 6	20°43	S 8
S 9	21 8 41	16° 7'03	10♌14	2° 6	26°40	0♌ 1	29°28	28°19	20°26	9° 1	13°29	2° 6	3°17	28°12	20°41	S 9
M10	21 12 38	17° 4'35	23°25	3°49	26° 7	0°40	29°41	28°20	20°25	9° 0	13°28	2° 1	3°14	28°19	20°39	M10
T 11	21 16 35	18° 2'08	6♌22	5°31	25°33	1°18	29°54	28°21	20°24	8°58	13°27	1°55	3°11	28°26	20°37	T 11
W12	21 20 31	18°59'43	19° 6	7°11	24°59	1°57	0♌7	28°22	20°24	8°57	13°26	1°48	3° 8	28°32	20°34	W12
T 13	21 24 28	19°57'19	1♌37	8°50	24°23	2°36	0°20	28°23	20°23	8°55	13°25	1°41	3° 5	28°39	20°32	T 13
F 14	21 28 24	20°54'57	13°57	10°27	23°46	3°15	0°33	28°24	20°22	8°54	13°23	1°33	3° 1	28°46	20°30	F 14
S 15	21 32 21	21°52'35	26° 6	12° 3	23° 9	3°53	0°46	28°25	20°21	8°52	13°22	1°28	2°58	28°52	20°27	S 15
S 16	21 36 17	22°50'15	8♌6	13°37	22°32	4°32	0°59	28°26	20°20	8°51	13°21	1°23	2°55	28°59	20°25	S 16
M17	21 40 14	23°47'56	19°59	15°10	21°55	5°11	1°12	28°28	20°19	8°49	13°20	1°21	2°52	29° 6	20°23	M17
T 18	21 44 10	24°45'38	1♌47	16°41	21°18	5°49	1°25	28°29	20°18	8°47	13°19	1°D20	2°49	29°12	20°20	T 18
W19	21 48 7	25°43'21	13°33	18°11	20°41	6°28	1°38	28°31	20°17	8°46	13°18	1°21	2°46	29°19	20°18	W19
T 20	21 52 4	26°41'05	25°21	19°39	20° 5	7° 7	1°51	28°32	20°16	8°44	13°17	1°22	2°42	29°26	20°15	T 20
F 21	21 56 0	27°38'51	7♌16	21° 6	19°31	7°45	2° 4	28°34	20°15	8°43	13°16	1°24	2°39	29°32	20°13	F 21
S 22	21 59 57	28°36'37	19°22	22°30	18°57	8°24	2°17	28°36	20°13	8°41	13°15	1°25	2°36	29°39	20°10	S 22
S 23	22 3 53	29°34'25	1♌44	23°54	18°24	9° 2	2°30	28°38	20°12	8°39	13°14	1°R26	2°33	29°45	20° 8	S 23
M24	22 7 50	0♌32'14	14°26	25°16	17°54	9°41	2°43	28°40	20°11	8°38	13°13	1°25	2°30	29°52	20° 5	M24
T 25	22 11 46	1°30'04	27°34	26°36	17°24	10°19	2°56	28°42	20°10	8°36	13°13	1°23	2°26	29°59	20° 3	T 25
W26	22 15 43	2°27'55	11♌9	27°54	16°57	10°57	3° 9	28°44	20° 8	8°34	13°12	1°19	2°23	0♌5	20° 0	W26
T 27	22 19 39	3°25'48	25°11	29°11	16°32	11°36	3°22	28°47	20° 7	8°33	13°11	1°15	2°20	0°12	19°57	T 27
F 28	22 23 36	4°23'42	9♌39	0♌26	16° 8	12°14	3°35	28°49	20° 5	8°31	13°10	1°12	2°17	0°19	19°55	F 28
S 29	22 27 33	5°21'37	24°28	1°38	15°47	12°52	3°48	28°51	20° 4	8°30	13° 9	1° 8	2°14	0°25	19°52	S 29
S 30	22 31 29	6°19'34	9♌31	2°49	15°28	13°31	4° 1	28°54	20° 2	8°28	13° 9	1° 6	2°11	0°32	19°49	S 30
M31	22 35 26	7♌17'32	24♌38	3♌58	15♌12	14♌ 9	4♌14	28♌57	20°Y 1	8♌26	13♌ 8	1°D 5	2♌ 7	0♌39	19♌47	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	18n 9	12s29	3n42	17n17	1n45	6n37	5s13	22n 7	0n58	13n 3	0n51	17s50	1n59	7n24	0s39	S 1
S 2	17 54	8 40	2 40	16 39	1 43	6 30	5 26	22 0	0 58	12 59	0 51	17 51	1 59	7 24	0 39	S 2
M 3	17 38	4 18	1 27	16 0	1 40	6 24	5 39	21 53	0 59	12 54	0 51	17 51	1 58	7 24	0 39	M 3
T 4	17 23	0n17	0 9	15 21	1 37	6 19	5 52	21 46	0 59	12 50	0 52	17 51	1 58	7 23	0 39	T 4
W 5	17 7	4 48	1s 8	14 40	1 33	6 16	6 5	21 38	0 59	12 46	0 52	17 51	1 58	7 23	0 39	W 5
T 6	16 50	8 58	2 21	13 59	1 29	6 13	6 18	21 31	1 0	12 41	0 52	17 52	1 58	7 23	0 39	T 6
F 7	16 34	12 32	3 23	13 18	1 25	6 10	6 30	21 24	1 0	12 37	0 52	17 52	1 57	7 23	0 39	F 7
S 8	16 17	15 20	4 13	12 35	1 20	6 9	6 41	21 16	1 0	12 32	0 52	17 52	1 57	7 22	0 39	S 8
S 9	16 0	17 15	4 47	11 53	1 14	6 9	6 52	21 8	1 1	12 28	0 52	17 53	1 57	7 22	0 39	S 9
M10	15 43	18 11	5 6	11 10	1 9	6 10	7 3	21 0	1 1	12 23	0 52	17 53	1 57	7 22	0 39	M10
T 11	15 25	18 9	5 8	10 27	1 3	6 12	7 13	20 52	1 1	12 19	0 52	17 54	1 56	7 22	0 39	T 11
W12	15 8	17 12	4 55	9 44	0 56	6 15	7 22	20 43	1 2	12 14	0 52	17 54	1 56	7 21	0 40	W12
T 13	14 50	15 26	4 28	9 1	0 49	6 18	7 31	20 35	1 2	12 10	0 52	17 55	1 56	7 21	0 40	T 13
F 14	14 31	12 59	3 49	8 18	0 42	6 22	7 38	20 26	1 2	12 5	0 52	17 55	1 56	7 21	0 40	F 14
S 15	14 13	9 59	3 0	7 35	0 35	6 28	7 45	20 18	1 3	12 1	0 52	17 55	1 56	7 20	0 40	S 15
S 16	13 54	6 37	2 3	6 52	0 27	6 33	7 52	20 9	1 3	11 56	0 52	17 56	1 55	7 20	0 40	S 16
M17	13 35	3 1	1 2	6 9	0 20	6 40	7 57	20 0	1 3	11 51	0 52	17 57	1 55	7 20	0 40	M17
T 18	13 16	0s40	0n 2	5 26	0 12	6 47	8 1	19 51	1 4	11 47	0 52	17 57	1 55	7 19	0 40	T 18
W19	12 57	4 20	1 6	4 44	0 4	6 55	8 5	19 41	1 4	11 42	0 52	17 58	1 55	7 19	0 40	W19
T 20	12 37	7 49	2 8	4 1	0s 5	7 3	8 8	19 32	1 4	11 38	0 52	17 58	1 54	7 18	0 40	T 20
F 21	12 17	11 2	3 4	3 20	0 13	7 12	8 10	19 22	1 5	11 33	0 52	17 59	1 54	7 18	0 40	F 21
S 22	11 57	13 49	3 53	2 38	0 22	7 21	8 11	19 13	1 5	11 28	0 52	18 0	1 54	7 17	0 40	S 22
S 23	11 37	16 3	4 33	1 57	0 31	7 31	8 11	19 3	1 5	11 24	0 52	18 0	1 54	7 17	0 40	S 23
M24	11 17	17 33	5 0	1 16	0 40	7 41	8 10	18 53	1 6	11 19	0 52	18 1	1 53	7 16	0 40	M24
T 25	10 56	18 12	5 13	0 36	0 49	7 51	8 8	18 43	1 6	11 14	0 52	18 2	1 53	7 16	0 40	T 25
W26	10 36	17 50	5 9	0s 3	0 58	8 1	8 6	18 33	1 6	11 10	0 52	18 2	1 53	7 15	0 40	W26
T 27	10 15	16 23	4 47	0 42	1 7	8 11	8 3	18 22	1 7	11 5	0 52	18 3	1 53	7 15	0 40	T 27
F 28	9 54	13 52	4 6	1 20	1 16	8 21	8 0	18 12	1 7	11 0	0 52	18 4	1 52	7 14	0 40	F 28
S 29	9 33	10 24	3 8	1 58	1 26	8 32	7 55	18 1	1 7	10 56	0 53	18 5	1 52	7 14	0 40	S 29
S 30	9 11	6 12	1 56	2 35	1 35	8 42	7 50	17 51	1 8	10 51	0 53	18 5	1 52	7 13	0 40	S 30
M31	8n50	1s35	0n36	3s11	1s44	8n52	7s45	17n40	1n 8	10n46	0n53	18s 6	1n52	7n12	0s40	M31

Julian Day Number = 2457235.5, Delta T = 67.90 sec
 Ecliptic obliquity = 23°26'05, Nutation = 0°00'03, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°57'29, Lahiri = 24°04'29

ASTRODIENST EPHEMERIS for the year 2015

geocentric

SEPTEMBER 2015

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 39 22	8 ^h 15'32	9 ^h 40	5 ^h 5	14 ^h R58	14 ^h Ω47	4 ^h 27	28 ^h 59	19 ^h R59	8 ^h R25	13 ^h R 7	1 ^h 5	2 ^h 4	0 ^h 45	19 ^h R44	T 1
W 2	22 43 19	9 ^h 13'34	24 ^h 30	6 ^h 10	14 ^h Ω46	15 ^h 25	4 ^h 40	29 ^h 2	19 ^h Y57	8 ^h 23	13 ^h ☾ 6	1 ^h 6	2 ^h 1	0 ^h 52	19 ^h Y41	W 2
T 3	22 47 15	10 ^h 11'38	9 ^h 8	7 ^h 12	14 ^h 37	16 ^h 3	4 ^h 53	29 ^h 5	19 ^h 56	8 ^h 21	13 ^h 6	1 ^h 7	1 ^h 58	0 ^h 59	19 ^h 38	T 3
F 4	22 51 12	11 ^h 9'44	23 ^h 11	8 ^h 12	14 ^h 30	16 ^h 42	5 ^h 6	29 ^h 8	19 ^h 54	8 ^h 20	13 ^h 5	1 ^h 8	1 ^h 55	1 ^h 5	19 ^h 36	F 4
S 5	22 55 8	12 ^h 7'51	6 ^h 11'57	9 ^h 9	14 ^h 25	17 ^h 20	5 ^h 19	29 ^h 11	19 ^h 52	8 ^h 18	13 ^h 5	1 ^h R 9	1 ^h 51	1 ^h 12	19 ^h 33	S 5
S 6	22 59 5	13 ^h 6'01	20 ^h 22	10 ^h 4	14 ^h D23	17 ^h 58	5 ^h 32	29 ^h 15	19 ^h 51	8 ^h 16	13 ^h 4	1 ^h 9	1 ^h 48	1 ^h 18	19 ^h 30	S 6
M 7	23 3 1	14 ^h 4'13	3 ^h 25	10 ^h 55	14 ^h 24	18 ^h 36	5 ^h 45	29 ^h 18	19 ^h 49	8 ^h 15	13 ^h 3	1 ^h 8	1 ^h 45	1 ^h 25	19 ^h 27	M 7
T 8	23 6 58	15 ^h 2'27	16 ^h 10	11 ^h 43	14 ^h 26	19 ^h 14	5 ^h 58	29 ^h 21	19 ^h 47	8 ^h 13	13 ^h 3	1 ^h 7	1 ^h 42	1 ^h 32	19 ^h 25	T 8
W 9	23 10 55	16 ^h 0'42	28 ^h 40	12 ^h 28	14 ^h 31	19 ^h 52	6 ^h 11	29 ^h 25	19 ^h 45	8 ^h 11	13 ^h 2	1 ^h 5	1 ^h 39	1 ^h 38	19 ^h 22	W 9
T 10	23 14 51	16 ^h 59'00	10 ^h Ω56	13 ^h 10	14 ^h 39	20 ^h 30	6 ^h 24	29 ^h 28	19 ^h 43	8 ^h 10	13 ^h 2	1 ^h 2	1 ^h 36	1 ^h 45	19 ^h 19	T 10
F 11	23 18 48	17 ^h 57'20	23 ^h 3	13 ^h 47	14 ^h 48	21 ^h 8	6 ^h 37	29 ^h 32	19 ^h 41	8 ^h 8	13 ^h 2	1 ^h 0	1 ^h 32	1 ^h 52	19 ^h 16	F 11
S 12	23 22 44	18 ^h 55'41	5 ^h 11	14 ^h 20	15 ^h 0	21 ^h 46	6 ^h 50	29 ^h 36	19 ^h 39	8 ^h 7	13 ^h 1	0 ^h 59	1 ^h 29	1 ^h 58	19 ^h 14	S 12
S 13	23 26 41	19 ^h 54'05	16 ^h 53	14 ^h 49	15 ^h 13	22 ^h 24	7 ^h 3	29 ^h 39	19 ^h 37	8 ^h 5	13 ^h 1	0 ^h 58	1 ^h 26	2 ^h 5	19 ^h 11	S 13
M14	23 30 37	20 ^h 52'30	28 ^h 41	15 ^h 13	15 ^h 29	23 ^h 2	7 ^h 16	29 ^h 43	19 ^h 35	8 ^h 3	13 ^h 0	0 ^h D57	1 ^h 23	2 ^h 12	19 ^h 8	M14
T 15	23 34 34	21 ^h 50'57	10 ^h Ω28	15 ^h 32	15 ^h 46	23 ^h 39	7 ^h 29	29 ^h 47	19 ^h 33	8 ^h 2	13 ^h 0	0 ^h 58	1 ^h 20	2 ^h 18	19 ^h 5	T 15
W16	23 38 30	22 ^h 49'26	22 ^h 15	15 ^h 46	16 ^h 6	24 ^h 17	7 ^h 42	29 ^h 51	19 ^h 31	8 ^h 0	13 ^h 0	0 ^h 58	1 ^h 17	2 ^h 25	19 ^h 2	W16
T 17	23 42 27	23 ^h 47'56	4 ^h 11	15 ^h 53	16 ^h 27	24 ^h 55	7 ^h 54	29 ^h 55	19 ^h 29	7 ^h 59	13 ^h 0	0 ^h 59	1 ^h 13	2 ^h 32	19 ^h 0	T 17
F 18	23 46 24	24 ^h 46'28	16 ^h 4	15 ^h R55	16 ^h 50	25 ^h 33	8 ^h 7	29 ^h 59	19 ^h 27	7 ^h 57	12 ^h 59	1 ^h 0	1 ^h 10	2 ^h 38	18 ^h 57	F 18
S 19	23 50 20	25 ^h 45'03	28 ^h 12	15 ^h 50	17 ^h 15	26 ^h 11	8 ^h 20	0 ^h 27	19 ^h 25	7 ^h 55	12 ^h 59	1 ^h 0	1 ^h 7	2 ^h 45	18 ^h 54	S 19
S 20	23 54 17	26 ^h 43'38	10 ^h Y34	15 ^h 39	17 ^h 41	26 ^h 48	8 ^h 33	0 ^h 8	19 ^h 22	7 ^h 54	12 ^h 59	1 ^h 1	1 ^h 4	2 ^h 51	18 ^h 51	S 20
M21	23 58 13	27 ^h 42'16	23 ^h 14	15 ^h 20	18 ^h 9	27 ^h 26	8 ^h 45	0 ^h 12	19 ^h 20	7 ^h 52	12 ^h 59	1 ^h R 1	1 ^h 1	2 ^h 58	18 ^h 49	M21
T 22	0 2 10	28 ^h 40'55	6 ^h 31	14 ^h 54	18 ^h 39	28 ^h 4	8 ^h 58	0 ^h 17	19 ^h 18	7 ^h 51	12 ^h 59	1 ^h 1	0 ^h 57	3 ^h 5	18 ^h 46	T 22
W23	0 6 6	29 ^h 39'36	19 ^h 43	14 ^h 22	19 ^h 10	28 ^h 41	9 ^h 11	0 ^h 22	19 ^h 16	7 ^h 49	12 ^h 59	1 ^h 1	0 ^h 54	3 ^h 11	18 ^h 43	W23
T 24	0 10 3	0 ^h 38'18	3 ^h 36	13 ^h 42	19 ^h 43	29 ^h 19	9 ^h 23	0 ^h 26	19 ^h 14	7 ^h 48	12 ^h 59	1 ^h D 1	0 ^h 51	3 ^h 18	18 ^h 40	T 24
F 25	0 13 59	1 ^h 37'02	17 ^h 56	12 ^h 55	20 ^h 17	29 ^h 56	9 ^h 36	0 ^h 31	19 ^h 11	7 ^h 46	12 ^h D58	1 ^h 1	0 ^h 48	3 ^h 25	18 ^h 38	F 25
S 26	0 17 56	2 ^h 35'48	2 ^h 39	12 ^h 3	20 ^h 52	0 ^h 34	9 ^h 48	0 ^h 36	19 ^h 9	7 ^h 45	12 ^h 58	1 ^h 1	0 ^h 45	3 ^h 31	18 ^h 35	S 26
S 27	0 21 53	3 ^h 34'36	17 ^h 40	11 ^h 4	21 ^h 28	1 ^h 11	10 ^h 1	0 ^h 40	19 ^h 7	7 ^h 43	12 ^h 59	1 ^h 1	0 ^h 42	3 ^h 38	18 ^h 32	S 27
M28	0 25 49	4 ^h 33'25	2 ^h Y52	10 ^h 2	22 ^h 6	1 ^h 49	10 ^h 13	0 ^h 45	19 ^h 4	7 ^h 42	12 ^h 59	1 ^h R 1	0 ^h 38	3 ^h 45	18 ^h 30	M28
T 29	0 29 46	5 ^h 32'17	18 ^h 5	8 ^h 56	22 ^h 45	2 ^h 26	10 ^h 26	0 ^h 50	19 ^h 2	7 ^h 41	12 ^h 59	1 ^h 1	0 ^h 35	3 ^h 51	18 ^h 27	T 29
W30	0 33 42	6 ^h 31'10	3 ^h 8	7 ^h 48	23 ^h Ω25	3 ^h 11	10 ^h 38	0 ^h 55	19 ^h Y 0	7 ^h 39	12 ^h ☾59	1 ^h 0	0 ^h 32	3 ^h 58	18 ^h 24	W30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat		
T 1	8n28	3n 6	0s47	3s46	1s54	9n 1	7s39	17n29	1n 8	10n42	0n53	18s 7	1n51	7n12	0s40	9s10	0s49	20s56	1n52	0s26	0s49	0s25	0n19	4n46
W 2	8 7	7 32	2 6	4 20	2 3	9 11	7 32	17 18	1 9	10 37	0 53	18 8	1 51	7 11	0 40	9 11	0 49	20 56	1 52	0 26	0 48	0 26	0 18	4 46
T 3	7 45	11 26	3 15	4 53	2 12	9 20	7 25	17 7	1 9	10 32	0 53	18 9	1 51	7 10	0 40	9 12	0 49	20 56	1 52	0 27	0 47	0 28	0 17	4 46
F 4	7 23	14 32	4 10	5 25	2 21	9 29	7 18	16 56	1 9	10 27	0 53	18 10	1 51	7 10	0 40	9 12	0 49	20 57	1 51	0 27	0 46	0 30	0 16	4 46
S 5	7 1	16 43	4 49	5 56	2 30	9 38	7 10	16 44	1 9	10 23	0 53	18 10	1 51	7 9	0 40	9 13	0 49	20 57	1 51	0 27	0 44	0 32	0 15	4 46
S 6	6 38	17 55	5 11	6 25	2 39	9 46	7 2	16 33	1 10	10 18	0 53	18 11	1 50	7 8	0 40	9 13	0 49	20 57	1 51	0 27	0 43	0 34	0 14	4 46
M 7	6 16	18 7	5 16	6 53	2 47	9 54	6 54	16 22	1 10	10 13	0 53	18 12	1 50	7 8	0 40	9 14	0 49	20 57	1 51	0 27	0 42	0 35	0 13	4 46
T 8	5 54	17 24	5 6	7 20	2 56	10 1	6 45	16 10	1 10	10 9	0 53	18 13	1 50	7 7	0 40	9 15	0 49	20 57	1 51	0 26	0 41	0 37	0 12	4 46
W 9	5 31	15 51	4 41	7 45	3 4	10 8	6 37	15 58	1 11	10 4	0 53	18 14	1 50	7 6	0 40	9 15	0 49	20 58	1 51	0 26	0 39	0 39	0 11	4 46
T 10	5 8	13 35	4 3	8 8	3 12	10 15	6 28	15 46	1 11	9 59	0 53	18 15	1 49	7 6	0 40	9 16	0 49	20 58	1 51	0 25	0 38	0 41	0 9	4 46
F 11	4 46	10 45	3 15	8 30	3 19	10 21	6 19	15 35	1 11	9 54	0 53	18 16	1 49	7 5	0 40	9 16	0 49	20 58	1 50	0 24	0 37	0 43	0 8	4 46
S 12	4 23	7 31	2 19	8 49	3 27	10 27	6 9	15 23	1 11	9 50	0 53	18 17	1 49	7 4	0 40	9 17	0 49	20 58	1 50	0 23	0 35	0 45	0 7	4 46
S 13	4 0	3 59	1 17	9 7	3 33	10 32	6 0	15 11	1 12	9 45	0 54	18 18	1 49	7 3	0 40	9 18	0 49	20 58	1 50	0 23	0 34	0 46	0 6	4 46
M14	3 37	0 20	0 13	9 22	3 39	10 36	5 51	14 58	1 12	9 40	0 54	18 19	1 49	7 3	0 40	9 18	0 49	20 59	1 50	0 23	0 33	0 48	0 5	4 46
T 15	3 14	3s20	0n53	9 34	3 45	10 40	5 41	14 46	1 12	9 36	0 54	18 20	1 48	7 2	0 40	9 19	0 49	20 59	1 50	0 23	0 32	0 50	0 4	4 46
W16	2 51	6 52	1 56	9 44	3 49	10 44	5 31	14 34	1 13	9 31	0 54	18 21	1 48	7 1	0 40	9 19	0 49	20 59	1 50	0 23	0 30	0 52	0 3	4 45
T 17	2 28	10 9	2 54	9 50	3 53	10 47	5 22	14 21	1 13	9 26	0 54	18 22	1 48	7 0	0 40	9 20	0 49	20 59	1 49	0 23	0 29	0 54	0 1	4 45
F 18	2 5	13 2	3 46	9 54	3 56	10 49	5 12	14 9	1 13	9 21	0 54	18 23	1 48	6 59	0 40	9 21	0 49	20 59	1 49	0 24	0 28	0 56	0 0	4 45
S 19	1 41	15 24	4 28	9 54	3 58	10 51	5 3	13 56	1 13	9 17	0 54	18 24	1 48	6 59	0 40	9 21	0 49	20 59	1 49	0 24	0 27	0 57	0s1	4 45
S 20	1 18	17 6	4 58	9 50	3 59	10 52	4 53	13 44	1 14	9 12	0 54	18 26	1 47	6 58	0 40	9 22	0 49	21 0	1 49	0 24	0 25	0 59	0 2	4 45
M21	0 55	18 1	5 15	9 42	3 59	10 53	4 43	13 31	1 14	9 7	0 54	18 27	1 47	6 57	0 40	9 22	0 49	21 0	1 49	0 24	0 24	1 1	0 3	4 45
T 22	0 31	18 1	5 17	9 31	3 57	10 53	4 34	13 18	1 14	9 3	0 54	18 28	1 47	6 56	0 40	9 23	0 49	21 0	1 49	0 24	0 23	1 3	0 4	4 45
W23	0 8	17 1	5 1	9 15	3 53	10 53	4 24	13 5	1 14	8 58	0 55	18 29	1 47	6 55	0 40	9 24	0 49	21 0	1 49	0 24	0 22	1 5	0 6	4 45
T 24	0s15	15 0	4 28	8 54	3 48	10 52	4 15	12 53	1 15	8 53	0 55	18 30	1 47	6 54	0 40	9 24	0 49	21 0	1 48	0 24	0 20	1 7	0 7	4 45
F 25	0 39	12 0	3 38	8 30	3 41	10 50	4 5	12 40	1 15	8 49	0 55	18 31	1 46	6 53	0 40	9 25	0 49	21 0	1 48	0 24	0 19	1 8	0 8	4 45
S 26	1 2	8 10	2 31	8 1	3 32	10 48	3 56	12 27	1 15	8 44	0 55	18 32	1 46	6 53	0 40	9 25	0 49	21 1	1 48	0 24	0 18	1 10	0 9	4 44
S 27	1 25	3 44	1 14	7 28	3 21	10 46	3 47	12 13	1 15	8 40	0 55	18 34	1 46	6 52	0 40	9 26	0 49	21 1	1 48	0 24	0 17	1 12	0 10	4 44
M28	1 49	0n59	0s10	6 52	3 9	10 42	3 38	12 0	1 16	8 35	0 55	18 35	1 46	6 51	0 40	9 26	0 49	21 1	1 48	0 24	0 15	1 14	0 11	4 44
T 29	2 12	5 39	1 34	6 13	2 54	10 38	3 28	11 47	1 16	8 30	0 55	18 36	1 46	6 50	0 40	9 27	0 49	21 1	1 48	0 24	0 14	1 16	0 13	4 44
W30	2s35	9n54	2s50	5s31	2s38	10n34	3s19	11n34	1n16	8n26	0n55	18s37	1n45	6n49	0s40	9s27	0s49	21s 1	1n47	0s24	0s13	1s18	0s14	4n44

ASTRODIENST EPHEMERIS for the year 2015

geocentric

OCTOBER 2015

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 37 39	7 ^h 30'06	17 ^h 56	6 ^h R41	24 ^h Ω 7	3 ^h ♂41	10 ^h ♂50	1 ^h ♂ 0	18 ^h R57	7 ^h R38	12 ^h ♂59	1 ^h R 0	0 ^h ♂29	4 ^h ♂ 5	18 ^h R22	T 1
F 2	0 41 35	8 ^h 29'04	2 ^h II20	5 ^h ♂35	24 ^h 49	4 ^h 19	11 ^h 3	1 ^h 6	18 ^h Y55	7 ^h ♂36	12 ^h 59	0 ^h ♂59	0 ^h 26	4 ^h 11	18 ^h ♂19	F 2
S 3	0 45 32	9 ^h 28'05	16 ^h 18	4 ^h 33	25 ^h 33	4 ^h 56	11 ^h 15	1 ^h 11	18 ^h 53	7 ^h 35	12 ^h 59	0 ^h 58	0 ^h 22	4 ^h 18	18 ^h 17	S 3
S 4	0 49 28	10 ^h 27'07	29 ^h 48	3 ^h 36	26 ^h 17	5 ^h 33	11 ^h 27	1 ^h 16	18 ^h 50	7 ^h 34	13 ^h 0	0 ^h 58	0 ^h 19	4 ^h 24	18 ^h 14	S 4
M 5	0 53 25	11 ^h 26'12	12 ^h ♂53	2 ^h 46	27 ^h 3	6 ^h 11	11 ^h 39	1 ^h 21	18 ^h 48	7 ^h 33	13 ^h 0	0 ^h D57	0 ^h 16	4 ^h 31	18 ^h 12	M 5
T 6	0 57 21	12 ^h 25'20	25 ^h 35	2 ^h 4	27 ^h 49	6 ^h 48	11 ^h 51	1 ^h 27	18 ^h 45	7 ^h 31	13 ^h 0	0 ^h 58	0 ^h 13	4 ^h 38	18 ^h 9	T 6
W 7	1 1 18	13 ^h 24'29	7 ^h Ω58	1 ^h 31	28 ^h 36	7 ^h 25	12 ^h 3	1 ^h 32	18 ^h 43	7 ^h 30	13 ^h 1	0 ^h 58	0 ^h 10	4 ^h 44	18 ^h 7	W 7
T 8	1 5 15	14 ^h 23'41	20 ^h 6	1 ^h 8	29 ^h 24	8 ^h 3	12 ^h 15	1 ^h 38	18 ^h 40	7 ^h 29	13 ^h 1	1 ^h 0	0 ^h 7	4 ^h 51	18 ^h 4	T 8
F 9	1 9 11	15 ^h 22'55	2 ^h ♂ 4	0 ^h 56	0 ^h ♂13	8 ^h 40	12 ^h 27	1 ^h 43	18 ^h 38	7 ^h 27	13 ^h 1	1 ^h 1	0 ^h 3	4 ^h 58	18 ^h 2	F 9
S 10	1 13 8	16 ^h 22'12	13 ^h 55	0 ^h D55	1 ^h 3	9 ^h 17	12 ^h 39	1 ^h 49	18 ^h 36	7 ^h 26	13 ^h 2	1 ^h 2	0 ^h 0	5 ^h 4	18 ^h 0	S 10
S 11	1 17 4	17 ^h 21'30	25 ^h 42	1 ^h 4	1 ^h 54	9 ^h 54	12 ^h 51	1 ^h 55	18 ^h 33	7 ^h 25	13 ^h 2	1 ^h R 3	29 ^h ♂57	5 ^h 11	17 ^h 57	S 11
M12	1 21 1	18 ^h 20'51	7 ^h ♂29	1 ^h 24	2 ^h 45	10 ^h 31	13 ^h 3	2 ^h 0	18 ^h 31	7 ^h 24	13 ^h 3	1 ^h 3	29 ^h 54	5 ^h 18	17 ^h 55	M12
T 13	1 24 57	19 ^h 20'14	19 ^h 18	1 ^h 54	3 ^h 37	11 ^h 8	13 ^h 15	2 ^h 6	18 ^h 28	7 ^h 23	13 ^h 3	1 ^h 2	29 ^h 51	5 ^h 24	17 ^h 53	T 13
W14	1 28 54	20 ^h 19'38	1 ^h ♂10	2 ^h 33	4 ^h 30	11 ^h 45	13 ^h 26	2 ^h 12	18 ^h 26	7 ^h 22	13 ^h 4	1 ^h 0	29 ^h 48	5 ^h 31	17 ^h 50	W14
T 15	1 32 50	21 ^h 19'05	13 ^h 9	3 ^h 20	5 ^h 23	12 ^h 23	13 ^h 38	2 ^h 18	18 ^h 23	7 ^h 21	13 ^h 4	0 ^h 57	29 ^h 44	5 ^h 38	17 ^h 48	T 15
F 16	1 36 47	22 ^h 18'34	25 ^h 16	4 ^h 16	6 ^h 17	13 ^h 0	13 ^h 49	2 ^h 24	18 ^h 21	7 ^h 20	13 ^h 5	0 ^h 54	29 ^h 41	5 ^h 44	17 ^h 46	F 16
S 17	1 40 44	23 ^h 18'05	7 ^h ♂32	5 ^h 18	7 ^h 12	13 ^h 37	14 ^h 1	2 ^h 30	18 ^h 19	7 ^h 19	13 ^h 6	0 ^h 50	29 ^h 38	5 ^h 51	17 ^h 44	S 17
S 18	1 44 40	24 ^h 17'37	20 ^h 1	6 ^h 27	8 ^h 7	14 ^h 14	14 ^h 12	2 ^h 36	18 ^h 16	7 ^h 18	13 ^h 6	0 ^h 47	29 ^h 35	5 ^h 57	17 ^h 42	S 18
M19	1 48 37	25 ^h 17'11	2 ^h ♂45	7 ^h 42	9 ^h 3	14 ^h 50	14 ^h 23	2 ^h 42	18 ^h 14	7 ^h 17	13 ^h 7	0 ^h 44	29 ^h 32	6 ^h 4	17 ^h 40	M19
T 20	1 52 33	26 ^h 16'48	15 ^h 45	9 ^h 1	9 ^h 59	15 ^h 27	14 ^h 35	2 ^h 48	18 ^h 11	7 ^h 16	13 ^h 8	0 ^h 42	29 ^h 28	6 ^h 11	17 ^h 38	T 20
W21	1 56 30	27 ^h 16'25	29 ^h 5	10 ^h 24	10 ^h 56	16 ^h 4	14 ^h 46	2 ^h 54	18 ^h 9	7 ^h 15	13 ^h 9	0 ^h D42	29 ^h 25	6 ^h 17	17 ^h 36	W21
T 22	2 0 26	28 ^h 16'05	12 ^h ♂47	11 ^h 51	11 ^h 54	16 ^h 41	14 ^h 57	3 ^h 1	18 ^h 6	7 ^h 14	13 ^h 9	0 ^h 43	29 ^h 22	6 ^h 24	17 ^h 34	T 22
F 23	2 4 23	29 ^h 15'46	26 ^h 51	13 ^h 20	12 ^h 52	17 ^h 18	15 ^h 8	3 ^h 7	18 ^h 4	7 ^h 13	13 ^h 10	0 ^h 44	29 ^h 19	6 ^h 31	17 ^h 32	F 23
S 24	2 8 19	0 ^h ♂15'29	11 ^h ♂17	14 ^h 52	13 ^h 50	17 ^h 55	15 ^h 19	3 ^h 13	18 ^h 2	7 ^h 12	13 ^h 11	0 ^h 45	29 ^h 16	6 ^h 37	17 ^h 30	S 24
S 25	2 12 16	1 ^h 15'13	26 ^h 3	16 ^h 26	14 ^h 49	18 ^h 31	15 ^h 30	3 ^h 20	17 ^h 59	7 ^h 11	13 ^h 12	0 ^h R46	29 ^h 13	6 ^h 44	17 ^h 28	S 25
M26	2 16 13	2 ^h 15'00	11 ^h Y 2	18 ^h 1	15 ^h 49	19 ^h 8	15 ^h 40	3 ^h 26	17 ^h 57	7 ^h 10	13 ^h 13	0 ^h 46	29 ^h 9	6 ^h 51	17 ^h 27	M26
T 27	2 20 9	3 ^h 14'48	26 ^h 9	19 ^h 38	16 ^h 48	19 ^h 45	15 ^h 51	3 ^h 33	17 ^h 55	7 ^h 10	13 ^h 14	0 ^h 44	29 ^h 6	6 ^h 57	17 ^h 25	T 27
W28	2 24 6	4 ^h 14'38	11 ^h ♂13	21 ^h 15	17 ^h 49	20 ^h 21	16 ^h 2	3 ^h 39	17 ^h 52	7 ^h 9	13 ^h 15	0 ^h 41	29 ^h 3	7 ^h 4	17 ^h 23	W28
T 29	2 28 2	5 ^h 14'30	26 ^h 5	22 ^h 54	18 ^h 50	20 ^h 58	16 ^h 12	3 ^h 46	17 ^h 50	7 ^h 8	13 ^h 16	0 ^h 36	29 ^h 0	7 ^h 11	17 ^h 22	T 29
F 30	2 31 59	6 ^h 14'24	10 ^h II37	24 ^h 33	19 ^h 51	21 ^h 35	16 ^h 23	3 ^h 52	17 ^h 48	7 ^h 8	13 ^h 17	0 ^h 30	28 ^h 57	7 ^h 17	17 ^h 20	F 30
S 31	2 35 55	7 ^h ♂14'21	24 ^h II44	26 ^h ♂12	20 ^h ♂52	22 ^h ♂11	16 ^h ♂33	3 ^h ♂59	17 ^h Y46	7 ^h ♂ 7	13 ^h ♂18	0 ^h ♂25	28 ^h ♂54	7 ^h ♂24	17 ^h ♂18	S 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	
T 1	2s59	13n27	3s53	4s48	2s20	10n29	3s10	11n20	1n16	8n21	0n55	18s38	1n45	6n48	0s40	9s28	0s49	21s 1	1n47	0s24	0s11	1s19	0s15	4n44						
F 2	3 22	16 4	4 39	4 5	2 1	10 23	3 2	11 7	1 17	8 17	0 56	18 40	1 45	6 47	0 40	9 28	0 49	21 1	1 47	0 23	0 10	1 21	0 16	4 44						
S 3	3 45	17 38	5 7	3 22	1 42	10 17	2 53	10 54	1 17	8 12	0 56	18 41	1 45	6 46	0 40	9 29	0 49	21 2	1 47	0 23	0 9	1 23	0 17	4 43						
S 4	4 8	18 8	5 18	2 40	1 21	10 11	2 44	10 40	1 17	8 8	0 56	18 42	1 45	6 45	0 40	9 29	0 49	21 2	1 47	0 23	0 8	1 25	0 18	4 43						
M 5	4 31	17 39	5 11	2 2	1 1	10 3	2 36	10 26	1 17	8 3	0 56	18 43	1 45	6 44	0 40	9 30	0 49	21 2	1 47	0 23	0 6	1 27	0 19	4 43						
T 6	4 54	16 17	4 49	1 26	0 41	9 56	2 27	10 13	1 18	7 59	0 56	18 45	1 44	6 44	0 40	9 30	0 49	21 2	1 47	0 23	0 5	1 29	0 20	4 43						
W 7	5 17	14 11	4 14	0 55	0 21	9 47	2 19	9 59	1 18	7 54	0 56	18 46	1 44	6 43	0 40	9 31	0 49	21 2	1 46	0 23	0 4	1 30	0 22	4 43						
T 8	5 40	11 29	3 28	0 29	0 2	9 38	2 10	9 46	1 18	7 50	0 56	18 47	1 44	6 42	0 40	9 31	0 49	21 2	1 46	0 24	0 3	1 32	0 23	4 42						
F 9	6 3	8 20	2 34	0 8	0n16	9 29	2 2	9 32	1 18	7 45	0 56	18 48	1 44	6 41	0 40	9 32	0 49	21 2	1 46	0 24	0 1	1 34	0 24	4 42						
S 10	6 26	4 53	1 34	0n 8	0 33	9 19	1 54	9 18	1 19	7 41	0 57	18 50	1 44	6 40	0 40	9 32	0 49	21 2	1 46	0 25	0 0	1 36	0 25	4 42						
S 11	6 49	1 15	0 30	0 19	0 48	9 9	1 46	9 4	1 19	7 36	0 57	18 51	1 43	6 39	0 40	9 32	0 49	21 2	1 46	0 25	0n 1	1 38	0 26	4 42						
M12	7 11	2s25	0n36	0 24	1 2	8 58	1 39	8 50	1 19	7 32	0 57	18 52	1 43	6 38	0 40	9 33	0 49	21 3	1 46	0 25	0 2	1 39	0 27	4 42						
T 13	7 34	6 1	1 39	0 23	1 14	8 46	1 31	8 36	1 19	7 28	0 57	18 54	1 43	6 37	0 40	9 33	0 49	21 3	1 46	0 25	0 4	1 41	0 28	4 42						
W14	7 56	9 24	2 39	0 18	1 25	8 34	1 23	8 23	1 19	7 23	0 57	18 55	1 43	6 36	0 40	9 34	0 49	21 3	1 45	0 24	0 5	1 43	0 29	4 41						
T 15	8 19	12 25	3 32	0 7	1 35	8 22	1 16	8 9	1 20	7 19	0 57	18 56	1 43	6 35	0 40	9 34	0 49	21 3	1 45	0 23	0 6	1 45	0 30	4 41						
F 16	8 41	14 56	4 16	0s 8	1 42	8 9	1 8	7 55	1 20	7 15	0 57	18 57	1 43	6 34	0 40	9 34	0 49	21 3	1 45	0 21	0 7	1 47	0 31	4 41						
S 17	9 3	16 48	4 49	0 26	1 49	7 55	1 1	7 41	1 20	7 10	0 58	18 59	1 43	6 33	0 40	9 35	0 49	21 3	1 45	0 20	0 9	1 49	0 32	4 41						
S 18	9 25	17 55	5 9	0 49	1 54	7 41	0 54	7 26	1 20	7 6	0 58	19 0	1 42	6 33	0 40	9 35	0 49	21 3	1 45	0 19	0 10	1 50	0 33	4 40						
M19	9 47	18 10	5 15	1 15	1 58	7 27	0 47	7 12	1 20	7 2	0 58	19 1	1 42	6 32	0 40	9 36	0 49	21 3	1 45	0 17	0 11	1 52	0 34	4 40						
T 20	10 8	17 28	5 4	1 43	2 1	7 12	0 40	6 58	1 21	6 58	0 58	19 3	1 42	6 31	0 40	9 36	0 49	21 3	1 44	0 17	0 13	1 54	0 35	4 40						
W21	10 30	15 49	4 37	2 14	2 2	6 57	0 34	6 44	1 21	6 54	0 58	19 4	1 42	6 30	0 40	9 36	0 49	21 3	1 44	0 17	0 14	1 56	0 36	4 40						
T 22	10 51	13 14	3 54	2 48	2 3	6 41	0 27	6 30	1 21	6 49	0 58	19 5	1 42	6 29	0 40	9 37	0 49	21 3	1 44	0 17	0 15	1 58	0 37	4 39						
F 23	11 13	9 48	2 56	3 23	2 3	6 25	0 21	6 16	1 21	6 45	0 58	19 7	1 42	6 28	0 40	9 37	0 49	21 3	1 44	0 17	0 16	1 59	0 38	4 39						
S 24	11 34	5 43	1 45	3 59	2 2	6 8	0 14	6 2	1 22	6 41	0 59	19 8	1 42	6 27	0 40	9 37	0 49	21 4	1 44	0 18	0 18	2 1	0 39	4 39						
S 25	11 54	1 11	0 26	4 37	2 0	5 51	0 8	5 48	1 22	6 37	0 59	19 9	1 41	6 26	0 40	9 37	0 49	21 4	1 44	0 18	0 19	2 3	0 40	4 39						
M26	12 15	3n31	0s56	5 15	1 58	5 15	5 34	0 2	5 33	1 22	6 33	0 59	19 11	1 41	6 25	0 40	9 38	0 49	21 4	1 44	0 18	0 20	2 5	0 41	4 38					
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S 31	13s56	18n10	5s10	8s36	1n37	4n 1	0n26	4n22	1n23	6n13	1n 0	19s17	1n41	6n21	0s40	9s39	0s49	21s 4	1n43	0s10	0n26	2s14	0s45	4n37						

