



Astrodienst Ephemeris Tables for the year 2145

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 2145
geocentric

JANUARY 2145

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 43 22	10 ³ 41'01	11 ¹ 5 5	5 ² 33	24 ² 51	27 ¹ 58	6 ⁰ R50	12 ¹ 37	13 ¹ 8	23 ¹ 36	15 ⁰ R46	21 ⁰ D11	20 ⁰ 36	13 ¹ 14	20 ¹ 43	F 1
S 2	6 47 18	11 ⁰ 42'10	22 ⁰ 59	6 ⁰ 58	25 ⁰ 34	28 ⁰ 39	6 ⁰ Q43	12 ⁰ 39	13 ⁰ 10	23 ⁰ 38	15 ⁰ II45	21 ⁰ R11	20 ⁰ 32	13 ⁰ 21	20 ⁰ 43	S 2
S 3	6 51 15	12 ⁰ 43'18	4 ⁰ 46	8 ⁰ 33	26 ⁰ 17	29 ⁰ 21	6 ⁰ 36	12 ⁰ 41	13 ⁰ 12	23 ⁰ 40	15 ⁰ 44	21 ⁰ II10	20 ⁰ 29	13 ⁰ 28	20 ⁰ 44	S 3
M 4	6 55 11	13 ⁰ 44'26	16 ⁰ 34	10 ⁰ 8	26 ⁰ 58	0 ⁰ Y 2	6 ⁰ 29	12 ⁰ 44	13 ⁰ 15	23 ⁰ 42	15 ⁰ 43	21 ⁰ 8	20 ⁰ 26	13 ⁰ 34	20 ⁰ R44	M 4
T 5	6 59 8	14 ⁰ 45'34	28 ⁰ 26	11 ⁰ 43	27 ⁰ 38	0 ⁰ 43	6 ⁰ 22	12 ⁰ 46	13 ⁰ 17	23 ⁰ 44	15 ⁰ 42	21 ⁰ 3	20 ⁰ 23	13 ⁰ 41	20 ⁰ 44	T 5
W 6	7 3 4	15 ⁰ 46'42	10 ⁰ II27	13 ⁰ 19	28 ⁰ 17	1 ⁰ 25	6 ⁰ 15	12 ⁰ 48	13 ⁰ 19	23 ⁰ 47	15 ⁰ 41	20 ⁰ 55	20 ⁰ 20	13 ⁰ 48	20 ⁰ 43	W 6
T 7	7 7 1	16 ⁰ 47'50	22 ⁰ 39	14 ⁰ 56	28 ⁰ 54	2 ⁰ 6	6 ⁰ 8	12 ⁰ 51	13 ⁰ 21	23 ⁰ 49	15 ⁰ 40	20 ⁰ 44	20 ⁰ 17	13 ⁰ 54	20 ⁰ 43	T 7
F 8	7 10 57	17 ⁰ 48'58	5 ⁰ 5 5	16 ⁰ 32	29 ⁰ 30	2 ⁰ 47	6 ⁰ 1	12 ⁰ 53	13 ⁰ 24	23 ⁰ 51	15 ⁰ 39	20 ⁰ 31	20 ⁰ 13	14 ⁰ 1	20 ⁰ 43	F 8
S 9	7 14 54	18 ⁰ 50'06	17 ⁰ 44	18 ⁰ 9	0 ⁰ X 5	3 ⁰ 29	5 ⁰ 54	12 ⁰ 56	13 ⁰ 26	23 ⁰ 53	15 ⁰ 38	20 ⁰ 17	20 ⁰ 10	14 ⁰ 8	20 ⁰ 42	S 9
S 10	7 18 51	19 ⁰ 51'13	0 ⁰ Q38	19 ⁰ 47	0 ⁰ 38	4 ⁰ 10	5 ⁰ 46	12 ⁰ 58	13 ⁰ 28	23 ⁰ 55	15 ⁰ 37	20 ⁰ 3	20 ⁰ 7	14 ⁰ 14	20 ⁰ 41	S 10
M 11	7 22 47	20 ⁰ 52'20	13 ⁰ 45	21 ⁰ 25	1 ⁰ 10	4 ⁰ 52	5 ⁰ 39	13 ⁰ 1	13 ⁰ 30	23 ⁰ 57	15 ⁰ 36	19 ⁰ 50	20 ⁰ 4	14 ⁰ 21	20 ⁰ 41	M 11
T 12	7 26 44	21 ⁰ 53'27	27 ⁰ 2	23 ⁰ 3	1 ⁰ 40	5 ⁰ 33	5 ⁰ 31	13 ⁰ 4	13 ⁰ 32	23 ⁰ 59	15 ⁰ 35	19 ⁰ 40	20 ⁰ 1	14 ⁰ 27	20 ⁰ 40	T 12
W 13	7 30 40	22 ⁰ 54'34	10 ⁰ III30	24 ⁰ 42	2 ⁰ 9	6 ⁰ 14	5 ⁰ 23	13 ⁰ 7	13 ⁰ 34	24 ⁰ 1	15 ⁰ 35	19 ⁰ 33	19 ⁰ 57	14 ⁰ 34	20 ⁰ 39	W 13
T 14	7 34 37	23 ⁰ 55'41	24 ⁰ 7	26 ⁰ 21	2 ⁰ 35	6 ⁰ 56	5 ⁰ 16	13 ⁰ 10	13 ⁰ 35	24 ⁰ 3	15 ⁰ 34	19 ⁰ 28	19 ⁰ 54	14 ⁰ 41	20 ⁰ 38	T 14
F 15	7 38 33	24 ⁰ 56'48	7 ⁰ 52	28 ⁰ 0	3 ⁰ 0	7 ⁰ 37	5 ⁰ 8	13 ⁰ 14	13 ⁰ 37	24 ⁰ 5	15 ⁰ 33	19 ⁰ 27	19 ⁰ 51	14 ⁰ 47	20 ⁰ 36	F 15
S 16	7 42 30	25 ⁰ 57'55	21 ⁰ 46	29 ⁰ 40	3 ⁰ 24	8 ⁰ 19	5 ⁰ 0	13 ⁰ 17	13 ⁰ 39	24 ⁰ 7	15 ⁰ 32	19 ⁰ 26	19 ⁰ 48	14 ⁰ 54	20 ⁰ 35	S 16
S 17	7 46 26	26 ⁰ 59'02	5 ⁰ III49	1 ⁰ 21	3 ⁰ 45	9 ⁰ 0	4 ⁰ 52	13 ⁰ 20	13 ⁰ 41	24 ⁰ 9	15 ⁰ 31	19 ⁰ 26	19 ⁰ 45	15 ⁰ 1	20 ⁰ 34	S 17
M 18	7 50 23	28 ⁰ 0'09	20 ⁰ 0	3 ⁰ 2	4 ⁰ 4	9 ⁰ 41	4 ⁰ 44	13 ⁰ 24	13 ⁰ 42	24 ⁰ 11	15 ⁰ 30	19 ⁰ 25	19 ⁰ 42	15 ⁰ 7	20 ⁰ 32	M 18
T 19	7 54 20	29 ⁰ 1'15	4 ⁰ X 17	4 ⁰ 43	4 ⁰ 22	10 ⁰ 23	4 ⁰ 36	13 ⁰ 27	13 ⁰ 44	24 ⁰ 13	15 ⁰ 30	19 ⁰ 21	19 ⁰ 38	15 ⁰ 14	20 ⁰ 30	T 19
W 20	7 58 16	0 ⁰ 22'22	18 ⁰ 39	6 ⁰ 25	4 ⁰ 37	11 ⁰ 4	4 ⁰ 28	13 ⁰ 31	13 ⁰ 45	24 ⁰ 15	15 ⁰ 29	19 ⁰ 15	19 ⁰ 35	15 ⁰ 21	20 ⁰ 29	W 20
T 21	8 2 13	1 ⁰ 3'28	3 ⁰ 1	8 ⁰ 7	4 ⁰ 50	11 ⁰ 46	4 ⁰ 20	13 ⁰ 35	13 ⁰ 47	24 ⁰ 17	15 ⁰ 28	19 ⁰ 5	19 ⁰ 32	15 ⁰ 27	20 ⁰ 27	T 21
F 22	8 6 9	2 ⁰ 4'33	17 ⁰ 17	9 ⁰ 50	5 ⁰ 1	12 ⁰ 27	4 ⁰ 12	13 ⁰ 39	13 ⁰ 48	24 ⁰ 19	15 ⁰ 27	18 ⁰ 54	19 ⁰ 29	15 ⁰ 34	20 ⁰ 25	F 22
S 23	8 10 6	3 ⁰ 5'38	1 ⁰ 22	11 ⁰ 32	5 ⁰ 10	13 ⁰ 9	4 ⁰ 4	13 ⁰ 43	13 ⁰ 50	24 ⁰ 21	15 ⁰ 26	18 ⁰ 41	19 ⁰ 26	15 ⁰ 41	20 ⁰ 22	S 23
S 24	8 14 2	4 ⁰ 6'43	15 ⁰ 10	13 ⁰ 15	5 ⁰ 17	13 ⁰ 50	3 ⁰ 56	13 ⁰ 47	13 ⁰ 51	24 ⁰ 23	15 ⁰ 26	18 ⁰ 29	19 ⁰ 23	15 ⁰ 47	20 ⁰ 20	S 24
M 25	8 17 59	5 ⁰ 7'47	28 ⁰ 37	14 ⁰ 58	5 ⁰ 21	14 ⁰ 32	3 ⁰ 48	13 ⁰ 51	13 ⁰ 52	24 ⁰ 24	15 ⁰ 25	18 ⁰ 19	19 ⁰ 19	15 ⁰ 54	20 ⁰ 18	M 25
T 26	8 21 56	6 ⁰ 8'49	11 ⁰ X 41	16 ⁰ 41	5 ⁰ R22	15 ⁰ 13	3 ⁰ 40	13 ⁰ 55	13 ⁰ 54	24 ⁰ 26	15 ⁰ 24	18 ⁰ 11	19 ⁰ 16	16 ⁰ 1	20 ⁰ 16	T 26
W 27	8 25 52	7 ⁰ 9'51	24 ⁰ 24	18 ⁰ 24	5 ⁰ 21	15 ⁰ 55	3 ⁰ 32	14 ⁰ 0	13 ⁰ 55	24 ⁰ 28	15 ⁰ 24	18 ⁰ 5	19 ⁰ 13	16 ⁰ 7	20 ⁰ 13	W 27
T 28	8 29 49	8 ⁰ 10'52	6 ⁰ Y 46	20 ⁰ 7	5 ⁰ 18	16 ⁰ 36	3 ⁰ 24	14 ⁰ 4	13 ⁰ 56	24 ⁰ 30	15 ⁰ 23	18 ⁰ 3	19 ⁰ 10	16 ⁰ 14	20 ⁰ 10	T 28
F 29	8 33 45	9 ⁰ 11'52	18 ⁰ 53	21 ⁰ 49	5 ⁰ 12	17 ⁰ 17	3 ⁰ 16	14 ⁰ 9	13 ⁰ 57	24 ⁰ 32	15 ⁰ 22	18 ⁰ D 2	19 ⁰ 7	16 ⁰ 21	20 ⁰ 8	F 29
S 30	8 37 42	10 ⁰ 12'50	0 ⁰ B 48	23 ⁰ 30	5 ⁰ 4	17 ⁰ 59	3 ⁰ 8	14 ⁰ 13	13 ⁰ 58	24 ⁰ 33	15 ⁰ 22	18 ⁰ 3	19 ⁰ 3	16 ⁰ 27	20 ⁰ 5	S 30
S 31	8 41 38	11 ⁰ 13'48	12 ⁰ B 37	25 ⁰ 11	4 ⁰ X 53	18 ⁰ Y 40	3 ⁰ Q 0	14 ⁰ Y 18	13 ⁰ MI 59	24 ⁰ X 35	15 ⁰ II 21	18 ⁰ R 3	19 ⁰ II 0	16 ⁰ B 34	20 ⁰ II 2	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s59	5n12	0n53	24s35	1s17	13s39	0s27	1s10	0s24	19n 4	0n32	2n41	2s29	15s22	0n25	21s57	1n19	12n15	10s28	8s15	8s 2	13n54	1s10
S 2	22 54	8 47	0s10	24 36	1 22	13 16	0 18	0 53	0 22	19 6	0 32	2 42	2 29	15 22	0 25	21 57	1 19	12 15	10 28	8 15	8 1	13 55	1 10
S 3	22 49	11 59	1 12	24 35	1 27	12 54	0 10	0 35	0 21	19 8	0 33	2 43	2 29	15 23	0 25	21 57	1 19	12 15	10 28	8 15	8 0	13 57	1 10
M 4	22 43	14 42	2 10	24 33	1 31	12 32	0 1	0 17	0 20	19 10	0 33	2 44	2 29	15 24	0 25	21 57	1 19	12 15	10 28	8 14	7 59	13 58	1 11
T 5	22 36	16 48	3 4	24 30	1 36	12 9	0n 8	0n 0	0 19	19 12	0 33	2 45	2 28	15 25	0 25	21 58	1 19	12 15	10 27	8 12	7 57	13 59	1 11
W 6	22 29	18 13	3 49	24 25	1 40	11 47	0 17	0 18	0 17	19 14	0 33	2 47	2 28	15 25	0 25	21 58	1 19	12 15	10 27	8 9	7 56	14 0	1 11
T 7	22 22	18 48	4 25	24 18	1 44	11 25	0 27	0 35	0 16	19 16	0 33	2 48	2 28	15 26	0 25	21 58	1 19	12 15	10 27	8 5	7 55	14 1	1 11
F 8	22 14	18 30	4 49	24 11	1 48	11 3	0 37	0 53	0 15	19 18	0 33	2 49	2 28	15 26	0 25	21 58	1 19	12 15	10 27	8 0	7 54	14 3	1 12
S 9	22 6	17 17	5 0	24 1	1 51	10 42	0 47	1 11	0 13	19 19	0 34	2 50	2 27	15 27	0 25	21 58	1 19	12 15	10 27	7 55	7 53	14 4	1 12
S 10	21 57	15 12	4 55	23 51	1 54	10 20	0 58	1 28	0 12	19 21	0 34	2 52	2 27	15 28	0 25	21 58	1 19	12 15	10 27	7 50	7 51	14 5	1 12
M 11	21 48	12 18	4 35	23 38	1 57	9 59	1 9	1 46	0 11	19 23	0 34	2 53	2 27	15 28	0 25	21 58	1 19	12 15	10 26	7 45	7 50	14 6	1 12
T 12	21 38	8 44	3 59	23 25	1 59	9 38	1 20	2 3	0 10	19 25	0 34	2 54	2 27	15 29	0 25	21 58	1 19	12 16	10 26	7 41	7 49	14 7	1 12
W 13	21 28	4 41	3 10	23 9	2 1	9 17	1 31	2 21	0 9	19 28	0 34	2 56	2 26	15 29	0 25	21 58	1 19	12 16	10 26	7 38	7 48	14 9	1 12
T 14	21 18	0 21	2 10	22 53	2 3	8 57	1 43	2 38	0 7	19 30	0 34	2 57	2 26	15 30	0 26	21 58	1 19	12 16	10 26	7 37	7 47	14 10	1 11
F 15	21 7	4s 3	1 1	22 35	2 5	8 37	1 54	2 56	0 6	19 32	0 35	2 59	2 26	15 30	0 26	21 58	1 19	12 16	10 26	7 36	7 45	14 11	1 11
S 16	20 56	8 17	0n12	22 15	2 6	8 17	2 7	3 13	0 5	19 34	0 35	3 0	2 26	15 31	0 26	21 58	1 19	12 16	10 25	7 36	7 44	14 12	1 11
S 17	20 45	12 6	1 26	21 54	2 6	7 58	2 19	3 30	0 4	19 36	0 35	3 2	2 25	15 31	0 26	21 59	1 19	12 16	10 25	7 36	7 43	14 13	1 11
M 18	20 33	15 15	2 34	21 31	2 6	7 39	2 32	3 48	0 3	19 38	0 35	3 3	2 25	15 32	0 26	21 59	1 19	12 16	10 25	7 36	7 42	14 14	1 10
T 19	20 20	17 29	3 34	21 6	2 6	7 21	2 44	4 5	0 2	19 40	0 35	3 5	2 25	15 32	0 26	21 59	1 19	12 16	10 25	7 34	7 41	14 16	1 10
W 20	20 7	18 37	4 20	20 41	2 5	7 3	2 58	4 22	0 0	19 42	0 35	3 7	2 25	15 33	0 26	21 59	1 19	12 16	10 25	7 32	7 39	14 17	1 10
T 21	19 54	18 34	4 49	20 13	2 4	6 46	3 11	4 39	0n 1	19 44	0 35	3 8	2 24	15 33	0 26	21 59	1 19	12 16	10 25	7 28	7 38	14 18	1 9
F 22	19 41	17 20	5 1	19 44	2 3	6 29	3 25	4 57	0 2	19 46	0 36	3 10	2 24	15 34	0 26	21 59	1 19	12 17	10 24	7 24	7 37	14 19	1 9
S 23	19 27	15 3	4 54	19 14	2 0	6 13	3 38	5 14	0 3	19 48	0 36	3 12	2 24	15 34	0 26	21 59	1 19	12 17	10 24	7 19	7 36	14 20	1 8
S 24	19 13	11 59	4 30	18 42	1 58	5 58	3 52	5 31	0 4	19 50	0 36	3 13	2 24	15 34	0 26	21 59	1 19	12 17	10 24	7 14	7 35	14 21	1 7
M 25	18 58	8 20	3 51	18 9	1 54	5 43	4 6	5 48	0 5	19 52	0 36	3 15	2 24	15 35	0 26	21 59	1 19	12 17	10 24	7 10	7 33	14 22	1 7
T 26	18 43	4 23	3 0	17 34	1 50	5 29	4 20	6 5	0 6	19 54	0 36	3 17	2 23	15 35	0 26	21 59	1 19	12 17	10 23	7 7	7 32	14 24	1 6
W 27	18 28	0 21	2 2	16 58	1 46	5 16	4 35	6 22	0 7	19 56	0 36	3 19	2 23	15 36	0 26	21 59	1 19	12 17	10 23	7 5	7 31	14 25	1 5
T 28	18 12	3n36	1 0	16 21	1 40	5 4	4 49	6 38	0 8	19 58	0 36	3 21	2 23	15 36	0 26	21 59	1 19	12 17	10 23	7 4	7 30	14 26	1 4
F 29	17 56	7 19	0s 4	15 43	1 35	4 53	5 3	6 55	0 9	20 0	0 36	3 23	2 23	15 36	0 26	21 59	1 19	12 18	10 23	7 4	7 29	14 27	1 3
S 30	17 40	10 41	1 8	15 3	1 28	4 43	5 18	7 12	0 10	20 2	0 36	3 25	2 22	15 36	0 26	21 59	1 19	12 18	10 23	7 4	7 27	14 28	1 2
S 31	17s24	13n35	2s 7	14s23	1s21	4s33	5n32	7n29	0n11	20n 4	0n37	3n27	2s22	15s37	0n26	21s59	1n19	12n18	10s22	7s 4	7s26	14n29	1s 2

ASTRODIENST EPHEMERIS for the year 2145
geocentric

MARCH 2145

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 35 58	10°32'45	2°11'14	4°R 0	20°R44	8°R35	29°R51	17°R 4	14°R 3	25°R13	15°R13	16°R 5	17°R28	19°R47	18°R 6	M 1
T 2	10 39 55	11°33'01	14° 7	3°R 0	20°R27	9°R16	29°R47	17°11	14°R 2	25°14	15°13	16°R 5	17°25	19°54	18°R 1	T 2
W 3	10 43 51	12°33'16	26°11	2° 6	20°12	9°57	29°42	17°18	14° 1	25°15	15°13	16° 4	17°22	20° 1	17°57	W 3
T 4	10 47 48	13°33'29	8°28	1°17	19°59	10°37	29°38	17°24	14° 1	25°15	15°13	16° 1	17°19	20° 7	17°52	T 4
F 5	10 51 45	14°33'40	21° 5	0°34	19°49	11°18	29°34	17°31	14° 0	25°16	15°13	15°58	17°15	20°14	17°47	F 5
S 6	10 55 41	15°33'49	4°R 2	29°R57	19°42	11°59	29°31	17°38	13°59	25°17	15°13	15°53	17°12	20°21	17°42	S 6
S 7	10 59 38	16°33'55	17°22	29°28	19°37	12°40	29°27	17°45	13°58	25°18	15°14	15°48	17° 9	20°27	17°38	S 7
M 8	11 3 34	17°34'00	1°R 5	29° 5	19°34	13°21	29°24	17°52	13°57	25°18	15°14	15°44	17° 6	20°34	17°33	M 8
T 9	11 7 31	18°34'03	15° 8	28°49	19°D34	14° 1	29°20	17°58	13°56	25°19	15°14	15°40	17° 3	20°41	17°28	T 9
W10	11 11 27	19°34'04	29°27	28°40	19°36	14°42	29°17	18° 5	13°55	25°20	15°14	15°38	16°59	20°47	17°23	W10
T 11	11 15 24	20°34'03	13°R56	28°D38	19°41	15°23	29°15	18°12	13°54	25°20	15°14	15°D37	16°56	20°54	17°19	T 11
F 12	11 19 20	21°34'00	28°30	28°42	19°48	16° 3	29°12	18°19	13°53	25°21	15°15	15°38	16°53	21° 1	17°14	F 12
S 13	11 23 17	22°33'56	13°R 3	28°52	19°57	16°44	29°10	18°26	13°51	25°21	15°15	15°39	16°50	21° 7	17° 9	S 13
S 14	11 27 13	23°33'50	27°30	29° 7	20° 8	17°25	29° 7	18°34	13°50	25°22	15°15	15°40	16°47	21°14	17° 4	S 14
M15	11 31 10	24°33'42	11°R48	29°28	20°22	18° 5	29° 5	18°41	13°49	25°22	15°16	15°41	16°44	21°21	17° 0	M15
T 16	11 35 7	25°33'33	25°55	29°54	20°38	18°46	29° 3	18°48	13°47	25°22	15°16	15°R42	16°40	21°27	16°55	T 16
W17	11 39 3	26°33'22	9°R48	0°R24	20°55	19°26	29° 2	18°55	13°46	25°23	15°16	15°41	16°37	21°34	16°50	W17
T 18	11 43 0	27°33'10	23°27	0°59	21°15	20° 7	29° 0	19° 2	13°44	25°23	15°17	15°40	16°34	21°41	16°46	T 18
F 19	11 46 56	28°32'56	6°R53	1°38	21°36	20°47	28°59	19°10	13°43	25°23	15°17	15°38	16°31	21°47	16°41	F 19
S 20	11 50 53	29°32'40	20° 5	2°21	22° 0	21°28	28°58	19°17	13°41	25°24	15°18	15°35	16°28	21°54	16°36	S 20
S 21	11 54 49	0°R32'22	3°R 2	3° 8	22°25	22° 8	28°57	19°24	13°40	25°24	15°18	15°33	16°25	22° 1	16°32	S 21
M22	11 58 46	1°32'02	15°47	3°58	22°51	22°49	28°56	19°31	13°38	25°24	15°19	15°31	16°21	22° 7	16°27	M22
T 23	12 2 42	2°31'41	28°18	4°51	23°19	23°29	28°56	19°39	13°37	25°24	15°19	15°30	16°18	22°14	16°23	T 23
W24	12 6 39	3°31'17	10°R38	5°48	23°49	24°10	28°55	19°46	13°35	25°24	15°20	15°D29	16°15	22°21	16°18	W24
T 25	12 10 36	4°30'52	22°46	6°47	24°21	24°50	28°D55	19°54	13°33	25°25	15°20	15°29	16°12	22°27	16°14	T 25
F 26	12 14 32	5°30'24	4°R46	7°49	24°53	25°30	28°55	20° 1	13°31	25°25	15°21	15°30	16° 9	22°34	16°10	F 26
S 27	12 18 29	6°29'54	16°39	8°53	25°27	26°11	28°56	20° 9	13°29	25°R25	15°21	15°31	16° 5	22°41	16° 5	S 27
S 28	12 22 25	7°29'22	28°28	10° 0	26° 3	26°51	28°56	20°16	13°28	25°25	15°22	15°32	16° 2	22°47	16° 1	S 28
M29	12 26 22	8°28'48	10°R18	11° 9	26°40	27°31	28°57	20°23	13°26	25°25	15°22	15°33	15°59	22°54	15°57	M29
T 30	12 30 18	9°28'11	22°11	12°20	27°17	28°11	28°58	20°31	13°24	25°25	15°23	15°33	15°56	23° 1	15°53	T 30
W31	12 34 15	10°R27'33	4°R14	13°R33	27°R57	28°R52	28°R59	20°R38	13°R22	25°R24	15°R24	15°R33	15°R53	23°R 7	15°R49	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	7s36	16n54	3s46	6s45	3n31	6s49	8n10	14n54	0n34	20n47	0n38	4n35	2s17	15s37	0n26	22s 0
T 2	7 14	18 5	4 26	7 13	3 24	7 0	8 3	15 7	0 35	20 48	0 39	4 38	2 17	15 37	0 26	22 0
W 3	6 51	18 28	4 54	7 41	3 15	7 12	7 56	15 21	0 36	20 49	0 39	4 41	2 17	15 37	0 26	22 0
T 4	6 28	17 59	5 10	8 9	3 4	7 23	7 49	15 34	0 36	20 50	0 39	4 43	2 17	15 37	0 26	22 0
F 5	6 4	16 38	5 12	8 35	2 42	7 33	7 41	15 48	0 37	20 51	0 39	4 46	2 17	15 36	0 26	22 0
S 6	5 41	14 25	4 57	8 59	2 50	7 44	7 32	16 1	0 38	20 52	0 39	4 49	2 17	15 36	0 26	22 0
S 7	5 18	11 22	4 27	9 22	2 26	7 54	7 24	16 14	0 38	20 53	0 39	4 51	2 16	15 36	0 26	22 0
M 8	4 55	7 38	3 41	9 43	2 12	8 3	7 14	16 27	0 39	20 53	0 39	4 54	2 16	15 36	0 26	22 0
T 9	4 31	3 24	2 40	10 1	1 58	8 12	7 5	16 40	0 40	20 54	0 39	4 57	2 16	15 35	0 26	22 0
W10	4 8	1s 7	1 28	10 18	1 44	8 20	6 55	16 52	0 40	20 55	0 39	4 59	2 16	15 35	0 26	22 0
T 11	3 44	5 38	0 9	10 32	1 30	8 28	6 46	17 5	0 41	20 55	0 39	5 2	2 16	15 35	0 26	22 0
F 12	3 20	9 50	1n10	10 44	1 16	8 36	6 36	17 17	0 41	20 56	0 39	5 5	2 16	15 34	0 26	22 0
S 13	2 57	13 26	2 25	10 53	1 2	8 43	6 25	17 30	0 42	20 56	0 39	5 8	2 16	15 34	0 26	22 0
S 14	2 33	16 10	3 31	11 1	0 48	8 49	6 15	17 42	0 43	20 57	0 39	5 10	2 16	15 33	0 26	22 0
M15	2 10	17 51	4 22	11 6	0 35	8 55	6 5	17 54	0 43	20 57	0 39	5 13	2 16	15 33	0 26	22 0
T 16	1 46	18 24	4 54	11 9	0 22	9 0	5 54	18 5	0 44	20 58	0 39	5 16	2 16	15 33	0 26	22 0
W17	1 22	17 50	5 14	11 10	0 9	9 4	5 44	18 17	0 44	20 58	0 39	5 19	2 15	15 32	0 26	22 0
T 18	0 58	16 15	5 13	11 9	0s 3	9 8	5 34	18 28	0 45	20 58	0 39	5 22	2 15	15 32	0 26	22 0
F 19	0 35	13 47	4 54	11 7	0 15	9 11	5 23	18 40	0 45	20 59	0 39	5 24	2 15	15 31	0 26	22 0
S 20	0 11	10 39	4 21	11 2	0 26	9 14	5 13	18 51	0 46	20 59	0 39	5 27	2 15	15 31	0 26	22 0
S 21	0n13	7 3	3 34	10 55	0 37	9 16	5 2	19 2	0 46	20 59	0 39	5 30	2 15	15 30	0 26	21 59
M22	0 37	3 11	2 37	10 47	0 47	9 17	4 52	19 13	0 47	20 59	0 39	5 33	2 15	15 30	0 26	21 59
T 23	1 0	0n46	1 34	10 36	0 57	9 18	4 41	19 23	0 47	20 59	0 39	5 36	2 15	15 29	0 26	21 59
W24	1 24	4 37	0 27	10 24	1 6	9 18	4 31	19 34	0 48	20 59	0 39	5 39	2 15	15 29	0 26	21 59
T 25	1 48	8 14	0s40	10 11	1 15	9 17	4 21	19 44	0 48	20 59	0 39	5 41	2 15	15 28	0 26	21 59
F 26	2 11	11 27	1 45	9 55	1 24	9 16	4 11	19 55	0 49	20 59	0 39	5 44	2 15	15 28	0 26	21 59
S 27	2 35	14 10	2 45	9 39	1 31	9 14	4 1	20 5	0 49	20 59	0 39	5 47	2 15	15 27	0 26	21 59
S 28	2 58	16 17	3 37	9 20	1 39	9 12	3 51	20 14	0 50	20 59	0 39	5 50	2 15	15 27	0 26	21 59
M29	3 22	17 41	4 20	9 1	1 46	9 9	3 41	20 24	0 50	20 59	0 39	5 53	2 15	15 26	0 26	21 59
T 30	3 45	18 20	4 52	8 39	1 52	9 5	3 31	20 34	0 51	20 59	0 39	5 56	2 15	15 25	0 26	21 59
W31	4n 8	18n10	5s12	8s17	1s58	9s 1	3n22	20n43	0n51	20n59	0n39	5n58	2s15	15s25	0n26	21s59

Julian Day Number = 2504564.5, Delta T = 118.40 sec
Ecliptic obliquity = 23°25'05, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°46'07, Lahiri = 25°53'08

ASTRODIENST EPHEMERIS for the year 2145
geocentric

APRIL 2145

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 38 11	11°26'52	16°29	14°49	28°37	29°32	29°0	20°46	13°R20	25°R24	15°II24	15°R33	15°50	23°14	15°R45	T 1
F 2	12 42 8	12°26'08	29° 2	16° 6	29°18	0°II12	29° 1	20°53	13°II.18	25°24	15°25	15°23	15°46	23°21	15°41	F 2
S 3	12 46 5	13°25'23	11°56	17°25	0°X 0	0°52	29° 3	21° 1	13°16	25°24	15°26	15°33	15°43	23°27	15°37	S 3
S 4	12 50 1	14°24'35	25°15	18°46	0°44	1°32	29° 5	21° 9	13°14	25°24	15°27	15°33	15°40	23°34	15°33	S 4
M 5	12 53 58	15°23'44	9°10	20° 8	1°28	2°12	29° 7	21°16	13°11	25°23	15°27	15°D33	15°37	23°41	15°29	M 5
T 6	12 57 54	16°22'52	23°10	21°33	2°13	2°52	29° 9	21°24	13° 9	25°23	15°28	15°33	15°34	23°47	15°25	T 6
W 7	13 1 51	17°21'57	7°42	22°59	2°59	3°32	29°11	21°31	13° 7	25°23	15°29	15°R33	15°31	23°54	15°22	W 7
T 8	13 5 47	18°21'00	22°31	24°27	3°46	4°12	29°14	21°39	13° 5	25°22	15°30	15°33	15°27	24° 1	15°18	T 8
F 9	13 9 44	19°20'02	7°12	25°56	4°34	4°52	29°16	21°46	13° 3	25°22	15°31	15°33	15°24	24° 7	15°15	F 9
S 10	13 13 40	20°19'01	22°28	27°27	5°23	5°32	29°19	21°54	13° 0	25°22	15°31	15°32	15°21	24°14	15°12	S 10
S 11	13 17 37	21°17'59	7°20	28°59	6°12	6°12	29°22	22° 2	12°58	25°21	15°32	15°32	15°18	24°21	15° 8	S 11
M12	13 21 34	22°16'54	21°58	0°Y34	7° 2	6°52	29°26	22° 9	12°56	25°21	15°33	15°31	15°15	24°27	15° 5	M12
T 13	13 25 30	23°15'49	6°31	2° 9	7°53	7°32	29°29	22°17	12°53	25°20	15°34	15°31	15°11	24°34	15° 2	T 13
W14	13 29 27	24°14'41	20°15	3°46	8°44	8°12	29°33	22°24	12°51	25°20	15°35	15°D30	15° 8	24°41	14°59	W14
T 15	13 33 23	25°13'32	3°51	5°25	9°37	8°52	29°36	22°32	12°49	25°19	15°36	15°30	15° 5	24°47	14°56	T 15
F 16	13 37 20	26°12'21	17° 6	7° 6	10°29	9°31	29°40	22°40	12°46	25°18	15°37	15°31	15° 2	24°54	14°53	F 16
S 17	13 41 16	27°11'08	0°X 2	8°48	11°23	10°11	29°44	22°47	12°44	25°18	15°38	15°32	14°59	25° 1	14°50	S 17
S 18	13 45 13	28° 9'54	12°42	10°31	12°17	10°51	29°49	22°55	12°41	25°17	15°39	15°33	14°56	25° 7	14°48	S 18
M19	13 49 9	29° 8'37	25° 8	12°16	13°11	11°31	29°53	23° 2	12°39	25°16	15°40	15°34	14°52	25°14	14°45	M19
T 20	13 53 6	0°X 7'19	7°Y22	14° 3	14° 6	12°10	29°58	23°10	12°37	25°16	15°41	15°35	14°49	25°21	14°43	T 20
W21	13 57 2	1° 5'59	19°28	15°51	15° 2	12°50	0°X 2	23°17	12°34	25°15	15°42	15°R35	14°46	25°28	14°40	W21
T 22	14 0 59	2° 4'37	1°X26	17°41	15°58	13°30	0° 7	23°25	12°32	25°14	15°43	15°34	14°43	25°34	14°38	T 22
F 23	14 4 56	3° 3'14	13°19	19°33	16°54	14° 9	0°12	23°32	12°29	25°13	15°44	15°33	14°40	25°41	14°36	F 23
S 24	14 8 52	4° 1'48	25°10	21°26	17°51	14°49	0°18	23°40	12°27	25°13	15°45	15°30	14°36	25°48	14°34	S 24
S 25	14 12 49	5° 0'21	6°II59	23°20	18°49	15°28	0°23	23°47	12°24	25°12	15°46	15°27	14°33	25°54	14°32	S 25
M26	14 16 45	5°58'51	18°50	25°17	19°46	16° 8	0°29	23°55	12°22	25°11	15°47	15°24	14°30	26° 1	14°30	M26
T 27	14 20 42	6°57'20	0°X45	27°15	20°45	16°47	0°34	24° 2	12°19	25°10	15°48	15°21	14°27	26° 8	14°28	T 27
W28	14 24 38	7°55'46	12°48	29°14	21°43	17°27	0°40	24°10	12°17	25° 9	15°49	15°18	14°24	26°14	14°27	W28
T 29	14 28 35	8°54'10	25° 2	1°X15	22°42	18° 6	0°46	24°17	12°14	25° 8	15°50	15°16	14°21	26°21	14°25	T 29
F 30	14 32 31	9°52'32	7°X32	3°X18	23°X42	18°II46	0°X52	24°Y25	12°II.11	25°X 7	15°II52	15°D15	14°X17	26°X28	14°X24	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
T 1	4n31	17n 9	5s18	7s53	2s 4	8s56	3n12	20n52	0n51	20n58	0n39	6n 1	2s15	15s24	0n26	21s59	1n21	12n33	10s 7	6s 7	6s13	15n32	0n48	5s13	
F 2	4 55	15 17	5 9	7 27	2 8	8 51	3 3	21 1	0 52	20 58	0 39	6 4	2 15	15 24	0 27	21 59	1 21	12 34	10 7	6 7	6 12	15 33	0 50	5 13	
S 3	5 18	12 38	4 45	7 0	2 13	8 45	2 54	21 10	0 52	20 58	0 39	6 7	2 15	15 23	0 27	21 59	1 21	12 34	10 7	6 7	6 11	15 34	0 52	5 12	
S 4	5 41	9 15	4 5	6 32	2 17	8 38	2 44	21 19	0 53	20 57	0 39	6 10	2 14	15 22	0 27	21 59	1 21	12 34	10 7	6 7	6 10	15 35	0 54	5 12	
M 5	6 3	5 15	3 10	6 3	2 20	8 31	2 35	21 27	0 53	20 57	0 39	6 13	2 14	15 22	0 27	21 59	1 21	12 35	10 6	6 7	6 8	15 36	0 56	5 11	
T 6	6 26	0 51	2 1	5 33	2 23	8 24	2 27	21 35	0 54	20 56	0 39	6 15	2 14	15 21	0 27	21 59	1 21	12 35	10 6	6 7	6 7	15 37	0 58	5 11	
W 7	6 49	3s43	0 43	5 1	2 26	8 15	2 18	21 44	0 54	20 56	0 38	6 18	2 14	15 20	0 27	21 59	1 22	12 35	10 6	6 7	6 6	15 38	1 0	5 10	
T 8	7 11	8 9	0n39	4 28	2 28	8 7	2 9	21 51	0 54	20 55	0 38	6 21	2 14	15 20	0 27	21 59	1 22	12 35	10 6	6 7	6 5	15 39	1 2	5 9	
F 9	7 34	12 7	1 59	3 54	2 29	7 57	2 1	21 59	0 55	20 55	0 38	6 24	2 14	15 19	0 27	21 59	1 22	12 36	10 5	6 7	6 4	15 40	1 4	5 9	
S 10	7 56	15 17	3 11	3 19	2 30	7 47	1 52	22 7	0 55	20 54	0 38	6 27	2 14	15 18	0 27	21 59	1 22	12 36	10 5	6 7	6 2	15 41	1 5	5 8	
S 11	8 18	17 24	4 10	2 42	2 31	7 37	1 44	22 14	0 56	20 53	0 38	6 30	2 14	15 18	0 27	21 59	1 22	12 36	10 5	6 7	6 1	15 41	1 7	5 8	
M12	8 40	18 20	4 51	2 5	2 31	7 26	1 36	22 21	0 56	20 53	0 38	6 32	2 14	15 17	0 27	21 59	1 22	12 37	10 5	6 6	6 0	15 42	1 9	5 7	
T 13	9 2	18 3	5 13	1 26	2 30	7 15	1 28	22 28	0 56	20 52	0 38	6 35	2 14	15 16	0 27	21 58	1 22	12 37	10 5	6 6	5 59	15 43	1 11	5 6	
W14	9 24	16 41	5 16	0 47	2 29	7 3	1 20	22 35	0 57	20 51	0 38	6 38	2 14	15 16	0 27	21 58	1 22	12 37	10 4	6 6	5 57	15 44	1 13	5 6	
T 15	9 45	14 23	5 1	0 6	2 28	6 50	1 13	22 42	0 57	20 50	0 38	6 41	2 14	15 15	0 27	21 58	1 22	12 38	10 4	6 6	5 56	15 45	1 14	5 5	
F 16	10 6	11 24	4 31	0n35	2 26	6 37	1 5	22 48	0 57	20 50	0 38	6 44	2 14	15 14	0 27	21 58	1 22	12 38	10 4	6 6	5 55	15 46	1 16	5 4	
S 17	10 28	7 55	3 47	1 17	2 23	6 24	0 58	22 54	0 58	20 49	0 38	6 46	2 14	15 13	0 27	21 58	1 22	12 38	10 4	6 7	5 54	15 47	1 18	5 4	
S 18	10 49	4 8	2 52	2 1	2 20	6 10	0 51	23 0	0 58	20 48	0 38	6 49	2 14	15 13	0 27	21 58	1 22	12 38	10 4	6 7	5 53	15 48	1 19	5 3	
M19	11 10	0 14	1 51	2 45	2 16	5 56	0 44	23 6	0 58	20 47	0 38	6 52	2 14	15 12	0 27	21 58	1 22	12 39	10 3	6 7	5 51	15 49	1 21	5 2	
T 20	11 30	3n37	0 45	3 30	2 12	5 41	0 37	23 12	0 59	20 46	0 38	6 55	2 14	15 11	0 27	21 58	1 22	12 39	10 3	6 8	5 50	15 50	1 23	5 1	
W21	11 51	7 17	0s21	4 16	2 8	5 26	0 30	23 17	0 59	20 45	0 38	6 57	2 15	15 11	0 27	21 58	1 22	12 39	10 3	6 8	5 49	15 51	1 24	5 1	
T 22	12 11	10 36	1 27	5 3	2 3	5 11	0 23	23 23	0 59	20 44	0 38	7 0	2 15	15 10	0 27	21 58	1 22	12 40	10 3	6 7	5 48	15 52	1 26	5 0	
F 23	12 31	13 29	2 27	5 50	1 57	4 55	0 17	23 28	1 0	20 43	0 38	7 3	2 15	15 9	0 27	21 58	1 22	12 40	10 3	6 7	5 46	15 52	1 27	4 59	
S 24	12 51	15 46	3 22	6 38	1 51	4 38	0 10	23 33	1 0	20 41	0 38	7 6	2 15	15 8	0 27	21 58	1 22	12 40	10 2	6 6	5 45	15 53	1 29	4 59	
S 25	13 11	17 24	4 7	7 26	1 45	4 22	0 4	23 37	1 0	20 40	0 38	7 8	2 15	15 7	0 26	21 58	1 22	12 40	10 2	6 5	5 44	15 54	1 30	4 58	
M26	13 30	18 16	4 42	8 15	1 38	4 5	0s 2	23 42	1 0	20 39	0 38	7 11	2 15	15 7	0 26	21 58	1 22	12 41	10 2	6 3	5 43	15 55	1 32	4 57	
T 27	13 49	18 20	5 5	9 5	1 30	3 47	0 8	23 46	1 1	20 38	0 38	7 14	2 15	15 6	0 26	21 58	1 22	12 41	10 2	6 2	5 41	15 56	1 33	4 56	
W28	14 8	17 35	5 14	9 55	1 22	3 29	0 14	23 50	1 1	20 37	0 38	7 16	2 15	15 5	0 26	21 58	1 22	12 41	10 2	6 1	5 40	15 57	1 34	4 56	
T 29	14 27	16 1	5 10	10 45	1 14	3 11	0 19	23 54	1 1	20 35	0 38	7 19	2 15	15 4	0 26	21 58	1 22	12 42	10 2	6 0	5 39	15 58	1 35	4 55	
F 30	14n46	13n40	4s51	11n35	1s 5	2s53	0s25	23n58	1n 2	20n34	0n38	7n22	2s15	15s 4	0n26	21s57	1n22	12n42	10s 1	6s 0	5s38	15n59	1n37	4s54	

ASTRODIENST EPHEMERIS for the year 2145

geocentric

MAY 2145

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 36 28	10♌50'52	20♏20	5♊22	24♋41	19♏25	0♏59	24♋32	12°R 9	25°R 6	15♏53	15♏16	14♏14	26♊34	14°R22	S 1
S 2	14 40 25	11°49'10	3♏33	7°27	25°41	20° 5	1° 5	24°40	12♏6	25♊5	15°54	15°17	14°11	26°41	14♏21	S 2
M 3	14 44 21	12°47'26	17°10	9°33	26°42	20°44	1°12	24°47	12° 4	25° 4	15°55	15°18	14° 8	26°48	14°20	M 3
T 4	14 48 18	13°45'40	1♏16	11°41	27°43	21°23	1°19	24°54	12° 1	25° 3	15°56	15°20	14° 5	26°54	14°19	T 4
W 5	14 52 14	14°43'52	15°47	13°49	28°44	22° 3	1°25	25° 2	11°59	25° 2	15°57	15°R20	14° 2	27° 1	14°18	W 5
T 6	14 56 11	15°42'02	0♏40	15°58	29°45	22°42	1°33	25° 9	11°56	25° 0	15°59	15°19	13°58	27° 8	14°17	T 6
F 7	15 0 7	16°40'10	15°49	18° 8	0♋47	23°21	1°40	25°16	11°54	24°59	16° 0	15°17	13°55	27°14	14°17	F 7
S 8	15 4 4	17°38'17	1♊4	20°18	1°48	24° 1	1°47	25°23	11°51	24°58	16° 1	15°14	13°52	27°21	14°16	S 8
S 9	15 8 0	18°36'22	16°15	22°28	2°51	24°40	1°54	25°31	11°49	24°57	16° 2	15° 9	13°49	27°28	14°16	S 9
M10	15 11 57	19°34'25	1♊11	24°38	3°53	25°19	2° 2	25°38	11°46	24°56	16° 4	15° 4	13°46	27°34	14°15	M10
T 11	15 15 54	20°32'27	15°47	26°47	4°56	25°58	2°10	25°45	11°44	24°54	16° 5	15° 0	13°42	27°41	14°15	T 11
W12	15 19 50	21°30'28	29°56	28°56	5°59	26°37	2°17	25°52	11°41	24°53	16° 6	14°57	13°39	27°48	14°D15	W12
T 13	15 23 47	22°28'28	13♏37	1♏3	7° 2	27°16	2°25	25°59	11°39	24°52	16° 7	14°55	13°36	27°54	14°15	T 13
F 14	15 27 43	23°26'26	26°52	3° 9	8° 6	27°56	2°33	26° 6	11°36	24°51	16° 9	14°D54	13°33	28° 1	14°15	F 14
S 15	15 31 40	24°24'23	9♋43	5°14	9° 9	28°35	2°42	26°13	11°34	24°49	16°10	14°55	13°30	28° 8	14°15	S 15
S 16	15 35 36	25°22'18	22°14	7°16	10°13	29°14	2°50	26°20	11°31	24°48	16°11	14°57	13°27	28°15	14°16	S 16
M17	15 39 33	26°20'12	4♋30	9°16	11°17	29°53	2°58	26°27	11°29	24°47	16°13	14°58	13°23	28°21	14°16	M17
T 18	15 43 29	27°18'05	16°34	11°14	12°22	0♊32	3° 7	26°34	11°26	24°45	16°14	14°R59	13°20	28°28	14°17	T 18
W19	15 47 26	28°15'57	28°29	13°10	13°26	1°11	3°16	26°41	11°24	24°44	16°15	14°58	13°17	28°35	14°17	W19
T 20	15 51 23	29°13'48	10♊21	15° 3	14°31	1°50	3°24	26°48	11°21	24°42	16°16	14°55	13°14	28°41	14°18	T 20
F 21	15 55 19	0♏11'37	22°10	16°53	15°36	2°29	3°33	26°55	11°19	24°41	16°18	14°49	13°11	28°48	14°19	F 21
S 22	15 59 16	1° 9'24	3♏59	18°40	16°41	3° 8	3°42	27° 1	11°17	24°39	16°19	14°42	13° 8	28°55	14°20	S 22
S 23	16 3 12	2° 7'11	15°51	20°24	17°46	3°47	3°51	27° 8	11°14	24°38	16°20	14°34	13° 4	29° 1	14°21	S 23
M24	16 7 9	3° 4'56	27°46	22° 5	18°52	4°26	4° 0	27°15	11°12	24°37	16°22	14°25	13° 1	29° 8	14°23	M24
T 25	16 11 5	4° 2'40	9♊46	23°43	19°57	5° 5	4°10	27°21	11°10	24°35	16°23	14°16	12°58	29°15	14°24	T 25
W26	16 15 2	5° 0'22	21°54	25°18	21° 3	5°43	4°19	27°28	11° 8	24°34	16°25	14° 8	12°55	29°21	14°25	W26
T 27	16 18 58	5°58'03	4♏12	26°49	22° 9	6°22	4°29	27°34	11° 5	24°32	16°26	14° 1	12°52	29°28	14°27	T 27
F 28	16 22 55	6°55'42	16°43	28°17	23°15	7° 1	4°38	27°41	11° 3	24°31	16°27	13°57	12°48	29°35	14°29	F 28
S 29	16 26 52	7°53'19	29°30	29°42	24°21	7°40	4°48	27°47	11° 1	24°29	16°29	13°55	12°45	29°41	14°31	S 29
S 30	16 30 48	8°50'56	12♏37	1♊4	25°28	8°19	4°58	27°54	10°59	24°27	16°30	13°D55	12°42	29°48	14°33	S 30
M31	16 34 45	9♏48'30	26♏6	2♊22	26°34	8°58	5♏8	28°0	10♏57	24°26	16♏31	13♏56	12♏39	29♊55	14♏35	M31

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
S 1	15n 4	10n37	4s18	12n25	0s56	2s34	0s30	24n 1	1n 2	20n32	0n38	7n24	2s15	15s 3	0n26	21s57	1n22	12n42	10s 1	6s 0	5s37	16n 0	1n38	4s53	
S 2	15 22	6 56	3 30	13 15	0 46	2 15	0 36	24 5	1 2	20 31	0 38	7 27	2 15	15 2	0 26	21 57	1 22	12 42	10 1	6 1	5 35	16 1	1 39	4 53	
M 3	15 40	2 47	2 29	14 5	0 36	1 56	0 41	24 8	1 2	20 30	0 38	7 30	2 15	15 1	0 26	21 57	1 22	12 43	10 1	6 1	5 34	16 1	1 40	4 52	
T 4	15 57	1s40	1 17	14 54	0 26	1 36	0 46	24 11	1 3	20 28	0 38	7 32	2 15	15 1	0 26	21 57	1 22	12 43	10 1	6 2	5 33	16 2	1 41	4 51	
W 5	16 15	6 10	0n 2	15 43	0 16	1 17	0 50	24 13	1 3	20 27	0 38	7 35	2 15	15 0	0 26	21 57	1 22	12 43	10 1	6 2	5 32	16 3	1 42	4 50	
T 6	16 32	10 24	1 23	16 31	0 6	0 57	0 55	24 16	1 3	20 25	0 38	7 37	2 15	14 59	0 26	21 57	1 22	12 43	10 0	6 2	5 30	16 4	1 43	4 50	
F 7	16 48	14 1	2 39	17 18	0n 5	0 36	1 0	24 18	1 3	20 23	0 38	7 40	2 15	14 58	0 26	21 57	1 22	12 44	10 0	6 1	5 29	16 5	1 44	4 49	
S 8	17 5	16 41	3 44	18 3	0 16	0 16	1 4	24 20	1 4	20 22	0 38	7 42	2 15	14 58	0 26	21 57	1 22	12 44	10 0	6 0	5 28	16 6	1 45	4 48	
S 9	17 21	18 10	4 33	18 48	0 26	0n 5	1 8	24 22	1 4	20 20	0 38	7 45	2 16	14 57	0 26	21 57	1 22	12 44	10 0	5 58	5 27	16 7	1 46	4 47	
M10	17 37	18 22	5 3	19 30	0 37	0 26	1 12	24 24	1 4	20 18	0 38	7 48	2 16	14 56	0 26	21 57	1 22	12 45	10 0	5 56	5 25	16 7	1 47	4 46	
T 11	17 52	17 19	5 12	20 11	0 47	0 47	1 16	24 26	1 4	20 17	0 38	7 50	2 16	14 55	0 26	21 57	1 23	12 45	10 0	5 54	5 24	16 8	1 48	4 46	
W12	18 7	15 14	5 1	20 50	0 57	1 9	1 20	24 27	1 4	20 15	0 38	7 53	2 16	14 54	0 26	21 57	1 23	12 45	10 0	5 53	5 23	16 9	1 49	4 45	
T 13	18 22	12 21	4 34	21 26	1 6	1 30	1 24	24 28	1 5	20 13	0 38	7 55	2 16	14 54	0 26	21 57	1 23	12 45	9 59	5 52	5 22	16 10	1 49	4 44	
F 14	18 37	8 54	3 52	22 0	1 16	1 52	1 27	24 29	1 5	20 11	0 38	7 57	2 16	14 53	0 26	21 57	1 23	12 46	9 59	5 52	5 21	16 11	1 50	4 43	
S 15	18 51	5 8	3 0	22 32	1 24	2 14	1 31	24 30	1 5	20 9	0 38	8 0	2 16	14 52	0 26	21 56	1 23	12 46	9 59	5 52	5 19	16 12	1 51	4 42	
S 16	19 5	1 14	2 1	23 2	1 33	2 36	1 34	24 30	1 5	20 7	0 38	8 2	2 16	14 51	0 26	21 56	1 23	12 46	9 59	5 53	5 18	16 13	1 51	4 42	
M17	19 19	2n39	0 57	23 28	1 40	2 58	1 37	24 30	1 5	20 5	0 38	8 5	2 16	14 51	0 26	21 56	1 23	12 46	9 59	5 54	5 17	16 13	1 52	4 41	
T 18	19 32	6 22	0s 9	23 53	1 47	3 20	1 40	24 31	1 6	20 3	0 38	8 7	2 16	14 50	0 26	21 56	1 23	12 46	9 59	5 54	5 16	16 14	1 52	4 40	
W19	19 45	9 48	1 13	24 14	1 54	3 43	1 43	24 31	1 6	20 1	0 38	8 9	2 17	14 49	0 26	21 56	1 23	12 47	9 59	5 53	5 14	16 15	1 53	4 39	
T 20	19 58	12 48	2 13	24 33	1 59	4 5	1 46	24 30	1 6	19 59	0 38	8 12	2 17	14 49	0 26	21 56	1 23	12 47	9 59	5 52	5 13	16 16	1 53	4 39	
F 21	20 10	15 16	3 7	24 50	2 4	4 28	1 49	24 30	1 6	19 57	0 38	8 14	2 17	14 48	0 26	21 56	1 23	12 47	9 59	5 50	5 12	16 17	1 53	4 38	
S 22	20 22	17 6	3 54	25 4	2 8	4 50	1 51	24 29	1 6	19 55	0 38	8 16	2 17	14 47	0 26	21 56	1 23	12 47	9 58	5 47	5 11	16 18	1 54	4 37	
S 23	20 34	18 12	4 30	25 15	2 11	5 13	1 54	24 28	1 6	19 53	0 38	8 19	2 17	14 46	0 26	21 56	1 23	12 48	9 58	5 44	5 9	16 18	1 54	4 36	
M24	20 45	18 30	4 54	25 24	2 14	5 35	1 56	24 27	1 7	19 51	0 38	8 21	2 17	14 46	0 26	21 56	1 23	12 48	9 58	5 41	5 8	16 19	1 54	4 35	
T 25	20 56	17 58	5 6	25 31	2 15	5 58	1 58	24 26	1 7	19 49	0 38	8 23	2 17	14 45	0 26	21 56	1 23	12 48	9 58	5 37	5 7	16 20	1 55	4 35	
W26	21 7	16 38	5 4	25 36	2 16	6 21	2 0	24 25	1 7	19 46	0 38	8 25	2 17	14 44	0 26	21 56	1 23	12 48	9 58	5 34	5 6	16 21	1 55	4 34	
T 27	21 17	14 31	4 48	25 39	2 16	6 44	2 2	24 23	1 7	19 44	0 38	8 28	2 18	14 44	0 26	21 56	1 23	12 48	9 58	5 32	5 5	16 22	1 55	4 33	
F 28	21 27	11 42	4 18	25 40	2 15	7 6	2 4	24 21	1 7	19 42	0 38	8 30	2 18	14 43	0 26	21 56	1 23	12 49	9 58	5 30	5 3	16 22	1 55	4 32	
S 29	21 36	8 16	3 35	25 39	2 14	7 29	2 6	24 19	1 7	19 40	0 38	8 32	2 18	14 42	0 26	21 55	1 23	12 49	9 58	5 29	5 2	16 23	1 55	4 31	
S 30	21 45	4 21	2 40	25 36	2 11	7 52	2 7	24 17	1 8	19 37	0 38	8 34	2 18	14 42	0 26	21 55	1 23	12 49	9 58	5 29	5 1	16 24	1 55	4 31	
M31	21n54	0n 6	1s34	25n31	2n 8	8n14	2s 9	24n14	1n 8	19n35	0n38	8n36	2s18	14s41	0n26	21s55	1n23	12n49	9s58	5s29	5s 0	16n25	1n55	4s30	

ASTRODIENST EPHEMERIS for the year 2145
geocentric

JUNE 2145

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 38 41	10 ^{II} 46'04	10 ^{II} 0 0	3 ^{III} 37	27 ^{VI} 41	9 ^{III} 36	5 ^{II} 18	28 ^{VI} 6	10 ^R 55	24 ^R 24	16 ^{II} 33	13 ^R 56	12 ^{II} 36	0 ^{II} 2	14 ^{III} 37	T 1
W 2	16 42 38	11°43'36	24°21	4°48	28°47	10°15	5°28	28°13	10 ^{III} 52	24 ^{II} 23	16°34	13 ^{II} 56	12°33	0°8	14°39	W 2
T 3	16 46 34	12°41'06	9 ^{III} 5	5°56	29°54	10°54	5°38	28°19	10°50	24°21	16°36	13°54	12°29	0°15	14°41	T 3
F 4	16 50 31	13°38'36	24°8	7°0	1 ^{III} 1	11°32	5°48	28°25	10°48	24°20	16°37	13°49	12°26	0°22	14°44	F 4
S 5	16 54 27	14°36'04	9 ^{II} 23	8°1	2°8	12°11	5°59	28°31	10°46	24°18	16°38	13°42	12°23	0°28	14°46	S 5
S 6	16 58 24	15°33'32	24°38	8°58	3°16	12°50	6°9	28°37	10°45	24°16	16°40	13°34	12°20	0°35	14°49	S 6
M 7	17 2 21	16°30'58	9 ^{II} 43	9°51	4°23	13°28	6°20	28°43	10°43	24°15	16°41	13°25	12°17	0°42	14°52	M 7
T 8	17 6 17	17°28'24	24°28	10°40	5°31	14°7	6°30	28°49	10°41	24°13	16°42	13°16	12°14	0°48	14°55	T 8
W 9	17 10 14	18°25'49	8 ^{III} 46	11°25	6°38	14°46	6°41	28°55	10°39	24°12	16°44	13°9	12°10	0°55	14°58	W 9
T 10	17 14 10	19°23'13	22°36	12°6	7°46	15°24	6°52	29°0	10°37	24°10	16°45	13°4	12°7	1°2	15°1	T 10
F 11	17 18 7	20°20'36	5 ^{III} 55	12°43	8°54	16°3	7°3	29°6	10°35	24°8	16°47	13°1	12°4	1°8	15°4	F 11
S 12	17 22 3	21°17'59	18°48	13°16	10°2	16°41	7°14	29°12	10°34	24°7	16°48	13°D 0	12°1	1°15	15°7	S 12
S 13	17 26 0	22°15'22	1 ^{VI} 18	13°44	11°10	17°20	7°25	29°17	10°32	24°5	16°49	13°0	11°58	1°22	15°11	S 13
M14	17 29 56	23°12'44	13°31	14°8	12°18	17°59	7°36	29°23	10°30	24°4	16°51	13°R 0	11°54	1°28	15°14	M14
T 15	17 33 53	24°10'06	25°31	14°27	13°26	18°37	7°47	29°28	10°29	24°2	16°52	13°0	11°51	1°35	15°18	T 15
W16	17 37 50	25°7'27	7 ^{III} 23	14°42	14°35	19°16	7°58	29°34	10°27	24°0	16°53	12°57	11°48	1°42	15°22	W16
T 17	17 41 46	26°4'47	19°11	14°53	15°43	19°54	8°9	29°39	10°25	23°59	16°55	12°52	11°45	1°49	15°25	T 17
F 18	17 45 43	27°2'07	1 ^{II} 0	14°59	16°52	20°33	8°21	29°44	10°24	23°57	16°56	12°44	11°42	1°55	15°29	F 18
S 19	17 49 39	27°59'27	12°51	15°R 0	18°0	21°11	8°32	29°49	10°23	23°55	16°58	12°34	11°39	2°2	15°33	S 19
S 20	17 53 36	28°56'46	24°48	14°57	19°9	21°50	8°44	29°55	10°21	23°54	16°59	12°22	11°35	2°9	15°38	S 20
M21	17 57 32	29°54'05	6 ^{III} 50	14°49	20°18	22°28	8°55	29°59	10°20	23°52	17°0	12°8	11°32	2°15	15°42	M21
T 22	18 1 29	0 ^{III} 51'23	19°0	14°37	21°27	23°6	9°7	0 ^{III} 5	10°18	23°51	17°2	11°55	11°29	2°22	15°46	T 22
W23	18 5 25	1°48'41	1 ^{II} 19	14°21	22°36	23°45	9°18	0°9	10°17	23°49	17°3	11°43	11°26	2°29	15°50	W23
T 24	18 9 22	2°45'58	13°47	14°2	23°45	24°23	9°30	0°14	10°16	23°47	17°4	11°34	11°23	2°35	15°55	T 24
F 25	18 13 19	3°43'14	26°27	13°38	24°54	25°2	9°42	0°19	10°15	23°46	17°6	11°27	11°20	2°42	16°0	F 25
S 26	18 17 15	4°40'30	9 ^{III} 20	13°12	26°3	25°40	9°54	0°24	10°14	23°44	17°7	11°22	11°16	2°49	16°4	S 26
S 27	18 21 12	5°37'45	22°28	12°42	27°13	26°18	10°6	0°28	10°13	23°43	17°8	11°21	11°13	2°55	16°9	S 27
M28	18 25 8	6°34'59	5 ^{II} 54	12°10	28°22	26°57	10°18	0°33	10°11	23°41	17°10	11°20	11°10	3°2	16°14	M28
T 29	18 29 5	7°32'13	19°40	11°37	29°31	27°35	10°30	0°37	10°10	23°39	17°11	11°20	11°7	3°9	16°19	T 29
W30	18 33 1	8 ^{III} 29'26	3 ^{III} 49	11°52	0 ^{II} 41	28 ^{III} 14	10 ^{II} 42	0 ^{III} 42	10 ^{II} 10	23 ^{II} 38	17 ^{II} 12	11 ^{II} 19	11 ^{II} 4	3 ^{II} 16	16 ^{II} 24	W30

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	22n 2	4s17	0s21	25n25	2n 3	8n37	2s10	24n12	1n 8	19n32	0n38	8n38	2s18	14s40	0n26	21s55	1n23	12n49	9s58	5s30	4s58	16n26	1n55	4s29			
W 2	22 10	8 34	0n56	25 18	1 58	8 59	2 11	24 9	1 8	19 30	0 38	8 40	2 18	14 40	0 26	21 55	1 23	12 50	9 58	5 29	4 57	16 26	1 55	4 28			
T 3	22 18	12 27	2 10	25 9	1 52	9 22	2 12	24 6	1 8	19 27	0 38	8 42	2 19	14 39	0 26	21 55	1 23	12 50	9 58	5 29	4 56	16 27	1 54	4 28			
F 4	22 25	15 36	3 18	25 0	1 46	9 44	2 13	24 3	1 8	19 25	0 38	8 44	2 19	14 39	0 26	21 55	1 23	12 50	9 58	5 27	4 55	16 28	1 54	4 27			
S 5	22 32	17 41	4 12	24 49	1 38	10 7	2 14	24 0	1 8	19 22	0 38	8 46	2 19	14 38	0 26	21 55	1 23	12 50	9 57	5 24	4 53	16 29	1 54	4 26			
S 6	22 38	18 31	4 48	24 37	1 30	10 29	2 15	23 56	1 8	19 20	0 38	8 48	2 19	14 37	0 26	21 55	1 23	12 50	9 57	5 21	4 52	16 30	1 54	4 25			
M 7	22 44	18 1	5 3	24 24	1 21	10 51	2 15	23 52	1 8	19 17	0 38	8 50	2 19	14 37	0 26	21 55	1 23	12 51	9 57	5 17	4 51	16 30	1 53	4 25			
T 8	22 50	16 19	4 58	24 10	1 11	11 13	2 16	23 48	1 9	19 14	0 38	8 52	2 19	14 36	0 26	21 55	1 23	12 51	9 57	5 14	4 50	16 31	1 53	4 24			
W 9	22 55	13 38	4 34	23 56	1 0	11 34	2 16	23 44	1 9	19 12	0 38	8 54	2 20	14 36	0 26	21 55	1 23	12 51	9 57	5 11	4 48	16 32	1 52	4 23			
T 10	23 0	10 16	3 55	23 41	0 49	11 56	2 17	23 40	1 9	19 9	0 38	8 56	2 20	14 35	0 26	21 55	1 23	12 51	9 57	5 9	4 47	16 33	1 52	4 22			
F 11	23 4	6 29	3 4	23 25	0 37	12 17	2 17	23 36	1 9	19 6	0 38	8 58	2 20	14 35	0 26	21 55	1 23	12 51	9 57	5 8	4 46	16 33	1 51	4 22			
S 12	23 8	2 30	2 5	23 9	0 24	12 39	2 17	23 31	1 9	19 4	0 38	9 0	2 20	14 34	0 26	21 55	1 23	12 51	9 57	5 8	4 45	16 34	1 51	4 21			
S 13	23 11	1n28	1 2	22 53	0 10	13 0	2 17	23 26	1 9	19 1	0 38	9 1	2 20	14 34	0 26	21 54	1 23	12 51	9 57	5 8	4 43	16 35	1 50	4 20			
M14	23 15	5 17	0s 3	22 36	0s 4	13 21	2 17	23 21	1 9	18 58	0 38	9 3	2 20	14 33	0 26	21 54	1 23	12 52	9 57	5 8	4 42	16 36	1 49	4 19			
T 15	23 17	8 50	1 6	22 20	0 19	13 41	2 17	23 16	1 9	18 55	0 38	9 5	2 21	14 33	0 26	21 54	1 23	12 52	9 57	5 8	4 41	16 37	1 49	4 19			
W16	23 20	11 59	2 6	22 3	0 34	14 2	2 16	23 11	1 9	18 52	0 38	9 7	2 21	14 32	0 26	21 54	1 23	12 52	9 57	5 7	4 40	16 37	1 48	4 18			
T 17	23 22	14 37	3 0	21 46	0 49	14 22	2 16	23 5	1 9	18 49	0 38	9 8	2 21	14 32	0 26	21 54	1 23	12 52	9 57	5 5	4 38	16 38	1 47	4 17			
F 18	23 23	16 40	3 46	21 29	1 6	14 42	2 15	23 0	1 9	18 46	0 38	9 10	2 21	14 31	0 26	21 54	1 23	12 52	9 57	5 2	4 37	16 39	1 46	4 16			
S 19	23 24	17 59	4 22	21 13	1 22	15 1	2 15	22 54	1 9	18 43	0 38	9 12	2 21	14 31	0 26	21 54	1 23	12 52	9 57	4 58	4 36	16 40	1 45	4 16			
S 20	23 25	18 32	4 47	20 57	1 39	15 21	2 14	22 48	1 10	18 40	0 38	9 13	2 22	14 30	0 26	21 54	1 23	12 52	9 57	4 53	4 35	16 40	1 45	4 15			
M21	23 25	18 16	4 59	20 41	1 55	15 40	2 13	22 41	1 10	18 37	0 38	9 15	2 22	14 30	0 26	21 54	1 23	12 53	9 57	4 48	4 34	16 41	1 44	4 14			
T 22	23 25	17 9	4 58	20 26	2 12	15 59	2 12	22 35	1 10	18 34	0 38	9 16	2 22	14 30	0 25	21 54	1 23	12 53	9 57	4 42	4 32	16 42	1 43	4 14			
W23	23 24	15 14	4 43	20 11	2 28	16 17	2 11	22 29	1 10	18 31	0 38	9 18	2 22	14 29	0 25	21 54	1 23	12 53	9 57	4 38	4 31	16 42	1 42	4 13			
T 24	23 23	12 36	4 15	19 57	2 45	16 35	2 10	22 22	1 10	18 28	0 38	9 19	2 22	14 29	0 25	21 54	1 23	12 53	9 57	4 34	4 30	16 43	1 40	4 12			
F 25	23 22	9 20	3 34	19 44	3 0	16 53	2 9	22 15	1 10	18 25	0 38	9 21	2 23	14 29	0 25	21 54	1 23	12 53	9 57	4 31	4 29	16 44	1 39	4 11			
S 26	23 20	5 35	2 41	19 31	3 16	17 10	2 8	22 8	1 10	18 22	0 38	9 22	2 23	14 28	0 25	21 54	1 23	12 53	9 57	4 30	4 27	16 45	1 38	4 11			
S 27	23 18	1 29	1 38	19 19	3 30	17 28	2 7	22 1	1 10	18 19	0 38	9 24	2 23	14 28	0 25	21 54	1 23	12 53	9 57	4 29	4 26	16 45	1 37	4 10			
M28	23 15	2s47	0 29	19 9	3 44	17 44	2 5	21 54	1 10	18 15	0 38	9 25	2 23	14 28	0 25	21 54	1 23	12 53	9 57	4 29	4 25	16 46	1 36	4 9			
T 29	23 12	7 1	0n44	18 59	3 56	18 1	2 4	21 46	1 10	18 12	0 38	9 26	2 24	14 27	0 25	21 53	1 23	12 53	9 57	4 29	4 24	16 47	1 34	4 9			
W30	23n 9	10s58	1n56	18n50	4s 8	18n17	2s 2	21n38	1n10	18n 9	0n38	9n27	2s24	14s27	0n25	21s53	1n23	12n53	9s57	4s28	4s22	16n48	1n33	4s 8			

ASTRODIENST EPHEMERIS for the year 2145

geocentric

JULY 2145

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 36 58	9 ²⁶ 39	18 ¹⁸ 18	10°R26	1 ¹¹ 50	28 ⁵² 52	10 ⁵⁴ 54	0 ⁸ 46	10°R 9	23°R36	17 ¹¹ 14	11°R16	11 ¹¹ 0	3 ¹¹ 22	16 ¹⁶ 29	T 1
F 2	18 40 54	10°23'51	3 ¹⁷ 5	9 ⁵⁰ 50	3° 0	29°30	11° 6	0°50	10 ¹⁸ 8	23° ¹⁷ 35	17°15	11 ¹¹ 10	10°57	3°29	16°34	F 2
S 3	18 44 51	11°21'03	18° 4	9°15	4°10	0 ⁸ 8	11°18	0°54	10° 7	23°33	17°16	11° 2	10°54	3°36	16°39	S 3
S 4	18 48 48	12°18'15	3 ¹⁷ 7	8°41	5°20	0°47	11°31	0°58	10° 6	23°32	17°17	10°52	10°51	3°42	16°45	S 4
M 5	18 52 44	13°15'27	18° 4	8° 8	6°30	1°25	11°43	1° 2	10° 6	23°30	17°19	10°41	10°48	3°49	16°50	M 5
T 6	18 56 41	14°12'38	2 ¹⁷ 45	7°38	7°40	2° 3	11°55	1° 6	10° 5	23°29	17°20	10°31	10°45	3°56	16°56	T 6
W 7	19 0 37	15° 9'50	17° 4	7°11	8°50	2°42	12° 8	1°10	10° 4	23°27	17°21	10°22	10°41	4° 2	17° 1	W 7
T 8	19 4 34	16° 7'02	0 ¹⁷ 55	6°46	10° 0	3°20	12°20	1°13	10° 4	23°26	17°22	10°15	10°38	4° 9	17° 7	T 8
F 9	19 8 30	17° 4'14	14°18	6°26	11°10	3°58	12°33	1°17	10° 3	23°24	17°24	10°11	10°35	4°16	17°13	F 9
S 10	19 12 27	18° 1'26	27°14	6°10	12°20	4°36	12°45	1°21	10° 3	23°23	17°25	10° 9	10°32	4°23	17°19	S 10
S 11	19 16 24	18°58'38	9 ¹⁷ 47	5°58	13°30	5°15	12°58	1°24	10° 2	23°22	17°26	10°D 8	10°29	4°29	17°24	S 11
M12	19 20 20	19°55'51	22° 1	5°51	14°41	5°53	13°10	1°27	10° 2	23°20	17°27	10°R 8	10°25	4°36	17°30	M12
T 13	19 24 17	20°53'04	4 ¹⁷ 2	5°D49	15°51	6°31	13°23	1°31	10° 2	23°19	17°28	10° 8	10°22	4°43	17°37	T 13
W14	19 28 13	21°50'18	15°54	5°52	17° 2	7° 9	13°36	1°34	10° 1	23°17	17°30	10° 5	10°19	4°49	17°43	W14
T 15	19 32 10	22°47'33	27°44	6° 0	18°12	7°47	13°48	1°37	10° 1	23°16	17°31	10° 1	10°16	4°56	17°49	T 15
F 16	19 36 6	23°44'47	9 ¹¹ 34	6°14	19°23	8°26	14° 1	1°40	10° 1	23°15	17°32	9°54	10°13	5° 3	17°55	F 16
S 17	19 40 3	24°42'03	21°30	6°33	20°34	9° 4	14°14	1°43	10° 1	23°13	17°33	9°44	10°10	5° 9	18° 2	S 17
S 18	19 43 59	25°39'18	3 ¹⁷ 32	6°57	21°45	9°42	14°27	1°45	10°D 1	23°12	17°34	9°33	10° 6	5°16	18° 8	S 18
M19	19 47 56	26°36'35	15°45	7°27	22°55	10°20	14°40	1°48	10° 1	23°11	17°35	9°20	10° 3	5°23	18°14	M19
T 20	19 51 53	27°33'51	28° 7	8° 2	24° 6	10°58	14°52	1°51	10° 1	23° 9	17°36	9° 8	10° 0	5°29	18°21	T 20
W21	19 55 49	28°31'08	10 ¹⁸ 41	8°43	25°17	11°37	15° 5	1°53	10° 1	23° 8	17°38	8°56	9°57	5°36	18°28	W21
T 22	19 59 46	29°28'25	23°26	9°29	26°28	12°15	15°18	1°56	10° 1	23° 7	17°39	8°47	9°54	5°43	18°34	T 22
F 23	20 3 42	0 ¹⁸ 25'43	6 ¹⁷ 22	10°20	27°39	12°53	15°31	1°58	10° 1	23° 6	17°40	8°41	9°51	5°50	18°41	F 23
S 24	20 7 39	1°23'01	19°29	11°17	28°50	13°31	15°44	2° 0	10° 2	23° 4	17°41	8°37	9°47	5°56	18°48	S 24
S 25	20 11 35	2°20'19	2 ¹⁷ 49	12°18	0 ¹⁸ 2	14° 9	15°57	2° 2	10° 2	23° 3	17°42	8°D35	9°44	6° 3	18°55	S 25
M26	20 15 32	3°17'38	16°21	13°25	1°13	14°47	16°10	2° 4	10° 2	23° 2	17°43	8°35	9°41	6°10	19° 2	M26
T 27	20 19 28	4°14'57	0 ¹⁸ 8	14°37	2°24	15°26	16°23	2° 6	10° 3	23° 1	17°44	8°R36	9°38	6°16	19° 9	T 27
W28	20 23 25	5°12'16	14°10	15°53	3°36	16° 4	16°36	2° 8	10° 3	23° 0	17°45	8°36	9°35	6°23	19°16	W28
T 29	20 27 21	6° 9'35	28°26	17°15	4°47	16°42	16°49	2°10	10° 4	22°59	17°46	8°34	9°31	6°30	19°23	T 29
F 30	20 31 18	7° 6'55	12 ¹⁷ 55	18°41	5°58	17°20	17° 2	2°11	10° 4	22°58	17°47	8°29	9°28	6°36	19°30	F 30
S 31	20 35 15	8 ¹⁸ 4'16	27 ¹⁷ 32	20 ¹⁸ 11	7 ¹⁸ 10	17 ¹⁸ 58	17 ¹⁸ 15	2 ¹⁸ 13	10 ¹⁸ 5	22 ¹⁷ 57	17 ¹⁸ 48	8 ¹⁸ 23	9 ¹⁸ 25	6 ¹⁸ 43	19 ¹⁸ 37	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	decl lat
T 1	23n 5	14s21	3n 2	18n43	4s18	18n32	2s 1	21n31	1n10	18n 6	0n38	9n29	2s24	14s27	0n25	21s53
F 2	23 1	16 52	3 57	18 37	4 27	18 47	1 59	21 23	1 10	18 2	0 38	9 30	2 24	14 27	0 25	21 53
S 3	22 56	18 17	4 37	18 32	4 34	19 2	1 58	21 15	1 10	17 59	0 38	9 31	2 24	14 26	0 25	21 53
S 4	22 51	18 25	4 58	18 28	4 40	19 16	1 56	21 6	1 10	17 56	0 38	9 32	2 25	14 26	0 25	21 53
M 5	22 45	17 17	4 58	18 26	4 45	19 30	1 54	20 58	1 10	17 52	0 38	9 34	2 25	14 26	0 25	21 53
T 6	22 40	15 0	4 39	18 25	4 47	19 44	1 52	20 49	1 10	17 49	0 38	9 35	2 25	14 26	0 25	21 53
W 7	22 33	11 52	4 2	18 25	4 49	19 57	1 50	20 41	1 10	17 45	0 38	9 36	2 25	14 26	0 25	21 53
T 8	22 27	8 9	3 12	18 27	4 48	20 9	1 48	20 32	1 10	17 42	0 38	9 37	2 26	14 25	0 25	21 53
F 9	22 20	4 8	2 12	18 30	4 46	20 21	1 46	20 23	1 10	17 38	0 38	9 38	2 26	14 25	0 25	21 53
S 10	22 12	0 4	1 8	18 34	4 43	20 32	1 44	20 14	1 10	17 35	0 38	9 39	2 26	14 25	0 25	21 53
S 11	22 5	3n54	0 2	18 39	4 38	20 43	1 41	20 4	1 10	17 31	0 38	9 40	2 26	14 25	0 25	21 53
M12	21 56	7 36	1 s 3	18 45	4 32	20 54	1 39	19 55	1 10	17 28	0 39	9 41	2 27	14 25	0 25	21 53
T 13	21 48	10 55	2 3	18 52	4 25	21 4	1 37	19 45	1 10	17 24	0 39	9 42	2 27	14 25	0 25	21 53
W14	21 39	13 45	2 57	19 1	4 17	21 13	1 35	19 36	1 10	17 21	0 39	9 42	2 27	14 25	0 25	21 53
T 15	21 30	16 0	3 44	19 9	4 8	21 22	1 32	19 26	1 10	17 17	0 39	9 43	2 27	14 25	0 25	21 53
F 16	21 20	17 34	4 21	19 19	3 57	21 30	1 30	19 16	1 10	17 13	0 39	9 44	2 28	14 25	0 25	21 53
S 17	21 10	18 23	4 46	19 29	3 46	21 38	1 27	19 6	1 10	17 10	0 39	9 45	2 28	14 25	0 25	21 53
S 18	21 0	18 23	5 0	19 40	3 35	21 45	1 25	18 56	1 10	17 6	0 39	9 45	2 28	14 25	0 25	21 53
M19	20 49	17 32	4 59	19 51	3 22	21 52	1 22	18 45	1 10	17 2	0 39	9 46	2 28	14 25	0 25	21 53
T 20	20 38	15 52	4 45	20 2	3 9	21 58	1 19	18 35	1 10	16 59	0 39	9 47	2 29	14 25	0 25	21 53
W21	20 26	13 25	4 17	20 12	2 56	22 3	1 17	18 24	1 10	16 55	0 39	9 47	2 29	14 25	0 25	21 53
T 22	20 15	10 18	3 36	20 23	2 42	22 8	1 14	18 14	1 10	16 51	0 39	9 48	2 29	14 25	0 25	21 52
F 23	20 2	6 39	2 42	20 34	2 28	22 12	1 11	18 3	1 10	16 47	0 39	9 48	2 29	14 25	0 25	21 52
S 24	19 50	2 38	1 40	20 43	2 13	22 16	1 9	17 52	1 10	16 44	0 39	9 49	2 30	14 25	0 25	21 52
S 25	19 37	1s35	0 31	20 52	1 59	22 19	1 6	17 41	1 10	16 40	0 39	9 49	2 30	14 25	0 25	21 52
M26	19 24	5 47	0n41	21 1	1 44	22 22	1 3	17 30	1 10	16 36	0 39	9 50	2 30	14 26	0 24	21 52
T 27	19 11	9 45	1 52	21 8	1 30	22 23	1 0	17 18	1 10	16 32	0 39	9 50	2 30	14 26	0 24	21 52
W28	18 57	13 15	2 58	21 14	1 15	22 25	0 57	17 7	1 10	16 28	0 39	9 51	2 31	14 26	0 24	21 52
T 29	18 43	16 0	3 53	21 18	1 1	22 25	0 55	16 55	1 9	16 24	0 39	9 51	2 31	14 26	0 24	21 52
F 30	18 29	17 47	4 35	21 21	0 47	22 25	0 52	16 44	1 9	16 20	0 39	9 51	2 31	14 26	0 24	21 52
S 31	18n14	18s25	4n59	21n22	0s33	22n25	0s49	16n32	1n 9	16n17	0n39	9n52	2s31	14s27	0n24	21s52

Julian Day Number = 2504686.5, Delta T = 118.63 sec
 Ecliptic obliquity = 23°25'04, Nutation = 0°00'04, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 26°46'24, Lahiri = 25°53'24

ASTRODIENST EPHEMERIS for the year 2145
geocentric

OCTOBER 2145

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 39 41	8♌ 1'45	8♏51	3♌46	22♏46	27♏28	0♏27	0°R32	12♌15	22♏50	18°R10	6°R27	6♌ 8	13♏39	28♏11	F 1
S 2	0 43 37	9° 0'39	21°26	4°47	24° 1	28° 6	0°38	0♏28	12°18	22°51	18♏10	6♌27	6° 5	13°46	28°20	S 2
S 3	0 47 34	9°59'35	3♌48	5°45	25°15	28°45	0°50	0°23	12°21	22°52	18° 9	6°27	6° 2	13°52	28°28	S 3
M 4	0 51 31	10°58'33	15°58	6°40	26°30	29°23	1° 1	0°19	12°25	22°53	18° 9	6°26	5°59	13°59	28°37	M 4
T 5	0 55 27	11°57'34	27°59	7°32	27°45	0♌ 2	1°13	0°15	12°28	22°54	18° 9	6°26	5°55	14° 6	28°45	T 5
W 6	0 59 24	12°56'37	9♏54	8°21	28°59	0°40	1°24	0°10	12°32	22°55	18° 8	6°25	5°52	14°13	28°54	W 6
T 7	1 3 20	13°55'42	21°45	9° 6	0♌14	1°19	1°35	0° 6	12°35	22°56	18° 8	6°24	5°49	14°19	29° 2	T 7
F 8	1 7 17	14°54'49	3♌38	9°48	1°29	1°57	1°47	0° 1	12°38	22°57	18° 8	6°24	5°46	14°26	29°11	F 8
S 9	1 11 13	15°53'58	15°37	10°25	2°43	2°36	1°58	29♏57	12°42	22°58	18° 7	6°D23	5°43	14°33	29°20	S 9
S 10	1 15 10	16°53'10	27°46	10°58	3°58	3°14	2° 9	29°52	12°45	23° 0	18° 7	6°24	5°39	14°39	29°28	S 10
M 11	1 19 6	17°52'24	10♌ 9	11°25	5°13	3°53	2°20	29°48	12°49	23° 1	18° 6	6°24	5°36	14°46	29°36	M 11
T 12	1 23 3	18°51'41	22°52	11°47	6°28	4°32	2°31	29°43	12°52	23° 2	18° 6	6°25	5°33	14°53	29°45	T 12
W 13	1 27 0	19°50'59	5♏56	12° 3	7°43	5°10	2°41	29°38	12°56	23° 3	18° 5	6°26	5°30	15° 0	29°53	W 13
T 14	1 30 56	20°50'20	19°25	12°12	8°57	5°49	2°52	29°34	12°59	23° 4	18° 5	6°27	5°27	15° 6	0♌ 2	T 14
F 15	1 34 53	21°49'43	3♌17	12°R14	10°12	6°27	3° 3	29°29	13° 3	23° 6	18° 4	6°R28	5°24	15°13	0°10	F 15
S 16	1 38 49	22°49'08	17°32	12° 9	11°27	7° 6	3°13	29°24	13° 6	23° 7	18° 3	6°28	5°20	15°20	0°18	S 16
S 17	1 42 46	23°48'36	2♌ 5	11°56	12°42	7°45	3°24	29°19	13°10	23° 8	18° 3	6°27	5°17	15°26	0°27	S 17
M 18	1 46 42	24°48'05	16°49	11°35	13°57	8°23	3°34	29°15	13°14	23°10	18° 2	6°25	5°14	15°33	0°35	M 18
T 19	1 50 39	25°47'36	1♏38	11° 5	15°12	9° 2	3°45	29°10	13°17	23°11	18° 2	6°22	5°11	15°40	0°43	T 19
W 20	1 54 35	26°47'09	16°23	10°27	16°27	9°41	3°55	29° 5	13°21	23°13	18° 1	6°19	5° 8	15°47	0°51	W 20
T 21	1 58 32	27°46'44	0♌59	9°40	17°42	10°20	4° 5	29° 0	13°24	23°14	18° 0	6°17	5° 5	15°53	1° 0	T 21
F 22	2 2 28	28°46'20	15°20	8°46	18°57	10°58	4°15	28°55	13°28	23°15	18° 0	6°16	5° 1	16° 0	1° 8	F 22
S 23	2 6 25	29°45'59	29°23	7°44	20°12	11°37	4°25	28°51	13°32	23°17	17°59	6°D15	4°58	16° 7	1°16	S 23
S 24	2 10 22	0♌45'39	13♏ 7	6°36	21°27	12°16	4°35	28°46	13°35	23°18	17°58	6°15	4°55	16°13	1°24	S 24
M 25	2 14 18	1°45'20	26°33	5°23	22°42	12°55	4°44	28°41	13°39	23°20	17°57	6°17	4°52	16°20	1°32	M 25
T 26	2 18 15	2°45'03	9♏42	4° 8	23°57	13°33	4°54	28°36	13°43	23°22	17°57	6°18	4°49	16°27	1°40	T 26
W 27	2 22 11	3°44'48	22°37	2°53	25°12	14°12	5° 3	28°32	13°47	23°23	17°56	6°20	4°45	16°34	1°48	W 27
T 28	2 26 8	4°44'35	5♏18	1°39	26°28	14°51	5°13	28°27	13°50	23°25	17°55	6°R21	4°42	16°40	1°56	T 28
F 29	2 30 4	5°44'23	17°47	0°29	27°43	15°30	5°22	28°22	13°54	23°26	17°54	6°20	4°39	16°47	2° 4	F 29
S 30	2 34 1	6°44'14	0♌ 7	29♌25	28°58	16° 9	5°31	28°17	13°58	23°28	17°54	6°18	4°36	16°54	2°11	S 30
S 31	2 37 57	7♌44'06	12♌17	28♌30	0♌13	16♌48	5♏40	28°♏13	14♌ 1	23♏30	17♏53	6♌14	4♌33	17♏ 0	2♌19	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	3s11	3n18	0s13	15s18	2s42	4n11	1n26	1n56	1n 0	12n 1	0n45	9n 4	2s45	15s 8	0n23	21s55
S 2	3 34	7 5	1 22	15 45	2 48	3 42	1 26	1 40	1 0	11 57	0 46	9 2	2 45	15 9	0 23	21 55
S 3	3 57	10 29	2 26	16 10	2 54	3 13	1 27	1 25	1 0	11 53	0 46	9 1	2 45	15 10	0 23	21 55
M 4	4 20	13 23	3 22	16 33	3 0	2 43	1 27	1 9	1 0	11 49	0 46	8 59	2 46	15 11	0 23	21 55
T 5	4 43	15 39	4 8	16 55	3 5	2 14	1 28	0 54	0 59	11 45	0 46	8 58	2 46	15 12	0 23	21 55
W 6	5 6	17 14	4 44	17 16	3 9	1 45	1 28	0 38	0 59	11 41	0 46	8 56	2 46	15 13	0 23	21 55
T 7	5 29	18 4	5 7	17 35	3 14	1 15	1 28	0 23	0 59	11 37	0 46	8 54	2 46	15 14	0 23	21 56
F 8	5 52	18 6	5 16	17 51	3 17	0 46	1 28	0 7	0 59	11 33	0 47	8 53	2 46	15 16	0 23	21 56
S 9	6 15	17 20	5 13	18 6	3 20	0 16	1 28	0s 8	0 58	11 30	0 47	8 51	2 46	15 17	0 23	21 56
S 10	6 38	15 46	4 55	18 19	3 23	0s13	1 28	0 24	0 58	11 26	0 47	8 49	2 46	15 18	0 23	21 56
M 11	7 0	13 27	4 24	18 29	3 24	0 43	1 28	0 39	0 58	11 22	0 47	8 48	2 46	15 19	0 23	21 56
T 12	7 23	10 26	3 39	18 36	3 25	1 13	1 28	0 55	0 58	11 18	0 47	8 46	2 46	15 20	0 23	21 56
W 13	7 45	6 50	2 41	18 41	3 25	1 42	1 28	1 10	0 57	11 14	0 47	8 44	2 46	15 21	0 22	21 56
T 14	8 8	2 46	1 33	18 43	3 24	2 12	1 28	1 26	0 57	11 11	0 47	8 43	2 46	15 22	0 22	21 56
F 15	8 30	1s34	0 18	18 41	3 21	2 42	1 27	1 42	0 57	11 7	0 48	8 41	2 46	15 23	0 22	21 56
S 16	8 52	5 56	1n 1	18 36	3 17	3 11	1 27	1 57	0 57	11 3	0 48	8 39	2 46	15 24	0 22	21 57
S 17	9 14	10 3	2 17	18 27	3 12	3 41	1 27	2 13	0 56	11 0	0 48	8 38	2 46	15 25	0 22	21 57
M 18	9 36	13 34	3 25	18 14	3 6	4 11	1 26	2 28	0 56	10 56	0 48	8 36	2 46	15 26	0 22	21 57
T 19	9 57	16 14	4 19	17 57	2 57	4 40	1 25	2 43	0 56	10 53	0 48	8 34	2 46	15 27	0 22	21 57
W 20	10 19	17 49	4 56	17 35	2 47	5 9	1 25	2 59	0 55	10 49	0 49	8 33	2 46	15 29	0 22	21 57
T 21	10 40	18 11	5 13	17 9	2 35	5 39	1 24	3 14	0 55	10 46	0 49	8 31	2 46	15 30	0 22	21 57
F 22	11 2	17 23	5 11	16 39	2 22	6 8	1 23	3 30	0 55	10 42	0 49	8 29	2 46	15 31	0 22	21 57
S 23	11 23	15 32	4 50	16 4	2 6	6 37	1 23	3 45	0 55	10 39	0 49	8 28	2 46	15 32	0 22	21 57
S 24	11 44	12 50	4 12	15 25	1 49	7 6	1 22	4 1	0 54	10 35	0 49	8 26	2 46	15 33	0 22	21 57
M 25	12 4	9 30	3 21	14 44	1 31	7 35	1 21	4 16	0 54	10 32	0 49	8 24	2 46	15 34	0 22	21 58
T 26	12 25	5 45	2 21	14 0	1 11	8 3	1 20	4 31	0 54	10 29	0 50	8 23	2 46	15 35	0 22	21 58
W 27	12 45	1 47	1 15	13 15	0 51	8 32	1 19	4 47	0 53	10 25	0 50	8 21	2 46	15 36	0 22	21 58
T 28	13 5	2n11	0 6	12 30	0 30	9 0	1 17	5 2	0 53	10 22	0 50	8 19	2 46	15 37	0 22	21 58
F 29	13 25	6 1	1s 2	11 47	0 10	9 28	1 16	5 17	0 53	10 19	0 50	8 18	2 46	15 39	0 22	21 58
S 30	13 45	9 32	2 6	11 6	0n11	9 56	1 15	5 32	0 52	10 16	0 50	8 16	2 46	15 40	0 22	21 58
S 31	14s 5	12n35	3s 4	10s28	0n30	10s23	1n14	5s47	0n52	10n12	0n51	8n14	2s46	15s41	0n22	21s58

Julian Day Number = 2504778.5, Delta T = 118.79 sec
Ecliptic obliquity = 23°25'05, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°46'37, Lahiri = 25°53'37

ASTRODIENST EPHEMERIS for the year 2145

geocentric

DECEMBER 2145

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 40 11	8°55'13	26°11'51	28°11'08	9°57'09	7°11'01	9°11'16	26°11'01	15°11'56	24°11'31	17°11'21	4°11'07	2°11'54	20°11'29	5°11'50	W 1
T 2	4 44 7	9°55'57	8°55'43	29°41'10	10°24'7	7°40'9	9°20'20	26°11'08	16°0'0	24°34'17	17°11'20	3°11'54	2°11'51	20°35'5	5°56'5	T 2
F 3	4 48 4	10°56'43	20°38'1	1°15'11	11°40'8	8°20'9	9°25'29	26°5'5	16°3'3	24°36'17	17°11'19	3°43'3	2°48'4	20°42'6	6°1'1	F 3
S 4	4 52 0	11°57'31	2°13'36	2°49'12	12°55'8	8°59'9	9°29'29	26°3'3	16°7'7	24°38'17	17°11'18	3°34'3	2°45'4	20°49'6	6°7'7	S 4
S 5	4 55 57	12°58'19	14°42'4	4°23'14	14°10'9	9°39'33	9°33'33	26°0'0	16°10'24	24°40'17	17°11'17	3°28'2	2°42'2	20°56'6	6°12'1	S 5
M 6	4 59 53	13°59'09	26°58'5	5°57'15	15°26'10	10°18'9	9°37'37	25°58'16	16°14'24	24°43'17	17°11'15	3°24'2	2°38'2	21°2'6	6°17'1	M 6
T 7	5 3 50	15°0'01	9°11'30	7°31'16	16°41'10	10°58'9	9°40'40	25°56'16	16°17'24	24°45'17	17°11'14	3°23'2	2°35'2	21°9'6	6°23'1	T 7
W 8	5 7 47	16°0'53	22°22'9	9°4'17	17°57'11	11°37'9	9°44'44	25°53'16	16°20'24	24°47'17	17°11'13	3°23'2	2°32'2	21°16'6	6°28'1	W 8
T 9	5 11 43	17°1'47	5°13'10	10°38'19	19°12'12	12°17'9	9°47'47	25°51'16	16°24'24	24°49'17	17°11'12	3°23'2	2°29'2	21°22'6	6°33'1	T 9
F 10	5 15 40	18°2'43	19°21'12	12°12'20	20°28'12	12°56'9	9°50'50	25°49'16	16°27'24	24°52'17	17°11'11	3°22'2	2°26'2	21°29'6	6°38'1	F 10
S 11	5 19 36	19°3'40	3°11'33	13°46'21	21°43'13	13°36'9	9°53'53	25°47'16	16°30'24	24°54'17	17°11'10	3°19'2	2°22'2	21°36'6	6°42'1	S 11
S 12	5 23 33	20°4'37	18°14'15	15°20'22	22°59'14	14°15'9	9°56'56	25°45'16	16°34'24	24°56'17	17°11'9	3°13'2	2°19'2	21°43'6	6°47'1	S 12
M13	5 27 29	21°5'36	3°11'18	16°54'24	24°14'14	14°55'9	9°58'58	25°44'16	16°37'24	24°58'17	17°11'7	3°4'2	2°16'2	21°49'6	6°52'1	M13
T14	5 31 26	22°6'37	18°37'18	18°28'25	25°30'15	15°35'10	10°1'25	25°42'16	16°40'25	25°1'17	17°11'6	2°54'2	2°13'2	21°56'6	6°56'1	T14
W15	5 35 22	23°7'38	3°35'59	20°2'26	26°45'16	16°14'10	10°3'25	25°41'16	16°43'25	25°3'17	17°11'5	2°42'2	2°10'2	22°3'7	7°1'1	W15
T16	5 39 19	24°8'39	19°12'21	21°36'28	1°16°54	10°5'25	25°39'16	25°7'16	16°47'25	25°5'17	17°11'4	2°31'2	2°7'2	22°9'7	7°5'1	T16
F17	5 43 16	25°9'42	4°7'23	23°11'29	29°16'17	17°34'10	10°7'25	25°38'16	16°50'25	25°7'17	17°11'3	2°22'2	2°3'2	22°16'7	7°9'1	F17
S18	5 47 12	26°10'44	18°35'24	24°45'0	31°18°13	18°13'10	10°8'25	25°37'16	16°53'25	25°10'17	17°11'2	2°15'2	2°0'2	22°23'7	7°13'1	S18
S19	5 51 9	27°11'48	2°11'33	26°19'1	1°47'18	18°53'10	10°10'25	25°36'16	16°56'25	25°12'17	17°11'1	2°11'2	1°57'2	22°30'7	7°17'1	S19
M20	5 55 5	28°12'51	16°2'27	27°54'3	2'19°33	10°11'25	25°35'16	16°59'25	16°59'25	25°14'16	16°59'2	2°9'2	1°54'2	22°36'7	7°21'1	M20
T21	5 59 2	29°13'55	29°2'29	29°29'4	18°20'13	10°12'25	25°34'17	25°16'25	16°58'2	25°16'16	16°58'2	2°9'2	1°51'2	22°43'7	7°25'1	T21
W22	6 2 58	0°14'59	11°14'43	1°4'5	5°33'20	20°52'10	10°13'25	25°33'17	16°57'25	25°19'16	16°57'2	2°9'2	1°48'2	22°50'7	7°29'1	W22
T23	6 6 55	1°16'03	24°4'2	2°39'6	6°49'21	21°32'10	10°14'25	25°33'17	16°56'25	25°21'16	16°56'2	2°7'2	1°44'2	22°57'7	7°32'1	T23
F24	6 10 51	2°17'08	6°12'4	4°14'8	8°4'22	22°12'10	10°14'25	25°32'17	16°55'25	25°23'16	16°55'2	2°4'2	1°41'2	23°3'7	7°36'1	F24
S25	6 14 48	3°18'13	18°11'5	5°49'9	9°20'22	22°52'10	10°14'25	25°32'17	16°54'25	25°25'16	16°54'1	1°58'2	1°38'2	23°10'7	7°39'1	S25
S26	6 18 45	4°19'19	0°11'5	7°25'10	10°35'23	23°32'10	10°15'25	25°31'17	16°53'25	25°28'16	16°53'1	1°48'2	1°35'2	23°17'7	7°42'1	S26
M27	6 22 41	5°20'24	11°57'9	1°11°51	24°12'10	10°14'25	25°31'17	25°30'16	16°52'1	25°30'16	16°52'1	1°36'2	1°32'2	23°23'7	7°46'1	M27
T28	6 26 38	6°21'30	23°49'10	37'13°6	24°51'10	10°14'25	25°31'17	25°32'16	16°51'1	25°32'16	16°51'1	1°22'2	1°28'2	23°30'7	7°49'1	T28
W29	6 30 34	7°22'36	5°13'12	14°21'14	25°31'10	10°14'25	25°31'17	25°34'16	16°49'1	25°34'16	16°49'1	1°7'2	1°25'2	23°37'7	7°52'1	W29
T30	6 34 31	8°23'43	17°39'13	13°50'15	25°37'26	11°10°13	25°31'17	25°37'16	16°48'0	25°37'16	16°48'0	0°52'2	1°22'2	23°44'7	7°54'1	T30
F31	6 38 27	9°24'50	29°40'15	15°27'16	25°52'26	11°10°13	25°31'17	25°37'16	16°48'0	25°37'16	16°48'0	0°52'2	1°22'2	23°44'7	7°54'1	F31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	21s46	18n23	5s 0	19s 5	0n40	21s35	0n13	13s12	0n41	8n59	0n57	7n35	2s41	16s14	0n22	22s 2
T 2	21 55	18 7	5 1	19 32	0 33	21 49	0 10	13 25	0 40	8 57	0 58	7 35	2 41	16 15	0 22	22 2
F 3	22 4	17 4	4 49	19 58	0 26	22 2	0 8	13 39	0 40	8 56	0 58	7 34	2 41	16 16	0 22	22 2
S 4	22 12	15 16	4 25	20 24	0 19	22 14	0 6	13 52	0 39	8 54	0 58	7 33	2 41	16 17	0 22	22 2
S 5	22 20	12 46	3 48	20 49	0 12	22 26	0 3	14 4	0 39	8 53	0 58	7 33	2 40	16 18	0 22	22 2
M 6	22 27	9 41	3 0	21 12	0 5	22 36	0 1	14 17	0 38	8 52	0 59	7 32	2 40	16 19	0 22	22 2
T 7	22 34	6 6	2 3	21 35	0s 2	22 47	0s 1	14 30	0 38	8 51	0 59	7 31	2 40	16 20	0 22	22 3
W 8	22 41	2 8	0 58	21 56	0 9	22 56	0 4	14 43	0 37	8 50	0 59	7 31	2 40	16 21	0 22	22 3
T 9	22 47	2s 3	0n12	22 17	0 16	23 5	0 6	14 55	0 37	8 49	1 0	7 30	2 39	16 22	0 22	22 3
F 10	22 53	6 17	1 24	22 36	0 23	23 13	0 9	15 8	0 37	8 48	1 0	7 30	2 39	16 23	0 22	22 3
S 11	22 58	10 18	2 32	22 55	0 29	23 21	0 11	15 20	0 36	8 47	1 0	7 29	2 39	16 24	0 22	22 3
S 12	23 3	13 49	3 34	23 12	0 36	23 27	0 13	15 32	0 36	8 46	1 0	7 29	2 39	16 25	0 22	22 3
M13	23 7	16 31	4 21	23 28	0 42	23 33	0 16	15 44	0 35	8 45	1 1	7 29	2 38	16 26	0 22	22 3
T14	23 11	18 5	4 51	23 43	0 48	23 39	0 18	15 56	0 35	8 45	1 1	7 28	2 38	16 27	0 22	22 3
W15	23 14	18 21	5 0	23 57	0 54	23 43	0 21	16 8	0 34	8 44	1 1	7 28	2 38	16 28	0 22	22 3
T16	23 17	17 17	4 48	24 9	1 0	23 47	0 23	16 20	0 34	8 44	1 1	7 28	2 38	16 29	0 22	22 3
F17	23 20	15 4	4 16	24 20	1 6	23 50	0 25	16 32	0 33	8 43	1 2	7 27	2 37	16 30	0 22	22 4
S18	23 22	11 56	3 28	24 30	1 11	23 52	0 27	16 43	0 33	8 43	1 2	7 27	2 37	16 31	0 22	22 4
S19	23 23	8 14	2 30	24 39	1 17	23 54	0 30	16 54	0 32	8 43	1 2	7 27	2 37	16 32	0 22	22 4
M20	23 24	4 13	1 24	24 46	1 22	23 55	0 32	17 6	0 32	8 42	1 2	7 27	2 36	16 33	0 22	22 4
T21	23 25	0 7	0 16	24 52	1 27	23 55	0 34	17 17	0 31	8 42	1 3	7 27	2 36	16 33	0 22	22 4
W22	23 25	3n51	0s50	24 56	1 32	23 55	0 37	17 28	0 31	8 42	1 3	7 27	2 36	16 34	0 22	22 4
T23	23 25	7 34	1 53	25 0	1 36	23 53	0 39	17 39	0 30	8 42	1 3	7 27	2 36	16 35	0 22	22 4
F24	23 24	10 54	2 49	25 1	1 40	23 51	0 41	17 50	0 30	8 42	1 3	7 27	2 35	16 36	0 22	22 4
S25	23 23	13 45	3 37	25 2	1 45	23 48	0 43	18 0	0 29	8 42	1 4	7 27	2 35	16 37	0 22	22 4
S26	23 21	15 59	4 15	25 1	1 48	23 45	0 45	18 11	0 28	8 43	1 4	7 27	2 35	16 37	0 22	22 4
M27	23 19	17 32	4 42	24 58	1 52	23 40	0 47	18 21	0 28	8 43	1 4	7 28	2 34	16 38	0 22	22 4
T28	23 16	18 20	4 57	24 54	1 55	23 35	0 49	18 31	0 27	8 43	1 5	7 28	2 34	16 39	0 22	22 4
W29	23 13	18 20	4 58	24 49	1 58	23 30	0 51	18 41	0 27	8 44	1 5	7 28	2 34	16 40	0 22	22 5
T30	23 9	17 31	4 47	24 42	2 1	23 23	0 53	18 51	0 26	8 44	1 5	7 28	2 34	16 40	0 22	22 5
F31	23s 5	15n55	4s23	24s34	2s 3	23s16	0s55	19s 1	0n26	8n45	1n 5	7n29	2s33	16s41	0n22	22s 5

Julian Day Number = 2504839.5, Delta T = 118.90 sec

Ecliptic obliquity = 23°25'03, Nutation = - 0°00'00, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 26°46'45, Lahiri = 25°53'46