



Astrodienst Ephemeris Tables for the year 2229

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 2229
geocentric

JANUARY 2229

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 42 0	10 ³ 17'10	3 ⁴ 42	19 ² 36	5 ³ 22	27 ² 7	10 ⁰ R16	23 ² 36	14 ¹ M17	28 ⁰ R36	27 ² 38	16 ⁰ R 3	15 ⁰ Y58	11 ¹ M 3	11 ⁰ R26	T 1
F 2	6 45 57	11 ⁰ 18'19	17 ⁰ 11	20 ⁰ 53	6 ³ 37	27 ⁰ 52	10 ⁰ M15	23 ⁰ 42	14 ⁰ 20	28 ⁰ II35	27 ⁰ 39	15 ⁰ Y59	15 ⁰ 55	11 ⁰ 10	11 ⁰ 825	F 2
S 3	6 49 53	12 ⁰ 19'27	0 ⁰ Y51	22 ⁰ 13	7 ⁰ 53	28 ⁰ 36	10 ⁰ 13	23 ⁰ 48	14 ⁰ 22	28 ⁰ 33	27 ⁰ 40	15 ⁰ 57	15 ⁰ 52	11 ⁰ 17	11 ⁰ 24	S 3
S 4	6 53 50	13 ⁰ 20'35	14 ⁰ 43	23 ⁰ 34	9 ⁰ 8	29 ⁰ 20	10 ⁰ 12	23 ⁰ 54	14 ⁰ 24	28 ⁰ 32	27 ⁰ 41	15 ⁰ 57	15 ⁰ 49	11 ⁰ 23	11 ⁰ 23	S 4
M 5	6 57 46	14 ⁰ 21'43	28 ⁰ 47	24 ⁰ 55	10 ⁰ 24	0 ⁰ 4	10 ⁰ 10	24 ⁰ 0	14 ⁰ 27	28 ⁰ 30	27 ⁰ 42	15 ⁰ 57	15 ⁰ 46	11 ⁰ 30	11 ⁰ 22	M 5
T 6	7 1 43	15 ⁰ 22'51	13 ⁰ 8 3	26 ⁰ 18	11 ⁰ 39	0 ⁰ 49	10 ⁰ 8	24 ⁰ 6	14 ⁰ 29	28 ⁰ 28	27 ⁰ 43	15 ⁰ 55	15 ⁰ 43	11 ⁰ 37	11 ⁰ 21	T 6
W 7	7 5 39	16 ⁰ 23'59	27 ⁰ 29	27 ⁰ 42	12 ⁰ 55	1 ⁰ 33	10 ⁰ 6	24 ⁰ 12	14 ⁰ 31	28 ⁰ 27	27 ⁰ 44	15 ⁰ 51	15 ⁰ 39	11 ⁰ 43	11 ⁰ 20	W 7
T 8	7 9 36	17 ⁰ 25'06	12 ⁰ II 1	29 ⁰ 7	14 ⁰ 10	2 ⁰ 18	10 ⁰ 3	24 ⁰ 19	14 ⁰ 33	28 ⁰ 25	27 ⁰ 45	15 ⁰ 44	15 ⁰ 36	11 ⁰ 50	11 ⁰ 19	T 8
F 9	7 13 32	18 ⁰ 26'13	26 ⁰ 34	0 ⁰ 32	15 ⁰ 26	3 ⁰ 2	10 ⁰ 1	24 ⁰ 25	14 ⁰ 36	28 ⁰ 24	27 ⁰ 46	15 ⁰ 34	15 ⁰ 33	11 ⁰ 57	11 ⁰ 19	F 9
S 10	7 17 29	19 ⁰ 27'21	11 ⁰ 8 1	1 ⁰ 58	16 ⁰ 41	3 ⁰ 47	9 ⁰ 58	24 ⁰ 31	14 ⁰ 38	28 ⁰ 22	27 ⁰ 46	15 ⁰ 23	15 ⁰ 30	12 ⁰ 3	11 ⁰ 18	S 10
S 11	7 21 26	20 ⁰ 28'28	25 ⁰ 16	3 ⁰ 25	17 ⁰ 57	4 ⁰ 31	9 ⁰ 55	24 ⁰ 38	14 ⁰ 40	28 ⁰ 20	27 ⁰ 47	15 ⁰ 10	15 ⁰ 27	12 ⁰ 10	11 ⁰ 17	S 11
M12	7 25 22	21 ⁰ 29'34	9 ⁰ 12	4 ⁰ 53	19 ⁰ 12	5 ⁰ 16	9 ⁰ 52	24 ⁰ 44	14 ⁰ 42	28 ⁰ 19	27 ⁰ 48	14 ⁰ 58	15 ⁰ 24	12 ⁰ 17	11 ⁰ 17	M12
T 13	7 29 19	22 ⁰ 30'41	22 ⁰ 45	6 ⁰ 21	20 ⁰ 28	6 ⁰ 1	9 ⁰ 48	24 ⁰ 51	14 ⁰ 44	28 ⁰ 17	27 ⁰ 48	14 ⁰ 47	15 ⁰ 20	12 ⁰ 23	11 ⁰ 16	T 13
W14	7 33 15	23 ⁰ 31'48	5 ⁰ II 54	7 ⁰ 50	21 ⁰ 43	6 ⁰ 45	9 ⁰ 45	24 ⁰ 57	14 ⁰ 46	28 ⁰ 16	27 ⁰ 49	14 ⁰ 39	15 ⁰ 17	12 ⁰ 30	11 ⁰ 16	W14
T 15	7 37 12	24 ⁰ 32'54	18 ⁰ 39	9 ⁰ 19	22 ⁰ 59	7 ⁰ 30	9 ⁰ 41	25 ⁰ 4	14 ⁰ 48	28 ⁰ 14	27 ⁰ 49	14 ⁰ 34	15 ⁰ 14	12 ⁰ 37	11 ⁰ 15	T 15
F 16	7 41 8	25 ⁰ 34'01	1 ⁰ 3	10 ⁰ 49	24 ⁰ 14	8 ⁰ 15	9 ⁰ 37	25 ⁰ 10	14 ⁰ 49	28 ⁰ 13	27 ⁰ 50	14 ⁰ 32	15 ⁰ 11	12 ⁰ 43	11 ⁰ 15	F 16
S 17	7 45 5	26 ⁰ 35'07	13 ⁰ 10	12 ⁰ 19	25 ⁰ 30	9 ⁰ 0	9 ⁰ 33	25 ⁰ 17	14 ⁰ 51	28 ⁰ 11	27 ⁰ 50	14 ⁰ D31	15 ⁰ 8	12 ⁰ 50	11 ⁰ 15	S 17
S 18	7 49 1	27 ⁰ 36'13	25 ⁰ 5	13 ⁰ 50	26 ⁰ 45	9 ⁰ 45	9 ⁰ 29	25 ⁰ 23	14 ⁰ 53	28 ⁰ 10	27 ⁰ 51	14 ⁰ R31	15 ⁰ 4	12 ⁰ 57	11 ⁰ 15	S 18
M19	7 52 58	28 ⁰ 37'19	6 ⁰ II 54	15 ⁰ 21	28 ⁰ 0	10 ⁰ 29	9 ⁰ 25	25 ⁰ 30	14 ⁰ 55	28 ⁰ 9	27 ⁰ 51	14 ⁰ 31	15 ⁰ 1	13 ⁰ 3	11 ⁰ 15	M19
T 20	7 56 55	29 ⁰ 38'25	18 ⁰ 42	16 ⁰ 53	29 ⁰ 16	11 ⁰ 14	9 ⁰ 20	25 ⁰ 37	14 ⁰ 56	28 ⁰ 7	27 ⁰ 52	14 ⁰ 29	14 ⁰ 58	13 ⁰ 10	11 ⁰ 14	T 20
W21	8 0 51	0 ⁰ 39'31	0 ⁰ 235	18 ⁰ 26	0 ⁰ 31	11 ⁰ 59	9 ⁰ 15	25 ⁰ 44	14 ⁰ 58	28 ⁰ 6	27 ⁰ 52	14 ⁰ 25	14 ⁰ 55	13 ⁰ 17	11 ⁰ D14	W21
T 22	8 4 48	1 ⁰ 40'37	12 ⁰ 37	19 ⁰ 59	1 ⁰ 47	12 ⁰ 45	9 ⁰ 11	25 ⁰ 51	14 ⁰ 59	28 ⁰ 4	27 ⁰ 52	14 ⁰ 19	14 ⁰ 52	13 ⁰ 23	11 ⁰ 14	T 22
F 23	8 8 44	2 ⁰ 41'42	24 ⁰ 52	21 ⁰ 32	3 ⁰ 2	13 ⁰ 30	9 ⁰ 6	25 ⁰ 57	15 ⁰ 1	28 ⁰ 3	27 ⁰ 53	14 ⁰ 9	14 ⁰ 49	13 ⁰ 30	11 ⁰ 15	F 23
S 24	8 12 41	3 ⁰ 42'47	7 ⁰ 23	23 ⁰ 6	4 ⁰ 18	14 ⁰ 15	9 ⁰ 0	26 ⁰ 4	15 ⁰ 2	28 ⁰ 2	27 ⁰ 53	13 ⁰ 58	14 ⁰ 45	13 ⁰ 37	11 ⁰ 15	S 24
S 25	8 16 37	4 ⁰ 43'52	20 ⁰ 10	24 ⁰ 41	5 ⁰ 33	15 ⁰ 0	8 ⁰ 55	26 ⁰ 11	15 ⁰ 4	28 ⁰ 0	27 ⁰ 53	13 ⁰ 45	14 ⁰ 42	13 ⁰ 43	11 ⁰ 15	S 25
M26	8 20 34	5 ⁰ 44'55	3 ⁰ 15	26 ⁰ 16	6 ⁰ 49	15 ⁰ 45	8 ⁰ 49	26 ⁰ 18	15 ⁰ 5	27 ⁰ 59	27 ⁰ 53	13 ⁰ 33	14 ⁰ 39	13 ⁰ 50	11 ⁰ 15	M26
T 27	8 24 31	6 ⁰ 45'59	16 ⁰ 34	27 ⁰ 52	8 ⁰ 4	16 ⁰ 30	8 ⁰ 44	26 ⁰ 25	15 ⁰ 6	27 ⁰ 58	27 ⁰ 53	13 ⁰ 21	14 ⁰ 36	13 ⁰ 57	11 ⁰ 16	T 27
W28	8 28 27	7 ⁰ 47'01	0 ⁰ II 7	29 ⁰ 28	9 ⁰ 19	17 ⁰ 16	8 ⁰ 38	26 ⁰ 32	15 ⁰ 8	27 ⁰ 57	27 ⁰ 54	13 ⁰ 12	14 ⁰ 33	14 ⁰ 3	11 ⁰ 16	W28
T 29	8 32 24	8 ⁰ 48'02	13 ⁰ 50	1 ⁰ 5	10 ⁰ 35	18 ⁰ 1	8 ⁰ 32	26 ⁰ 39	15 ⁰ 9	27 ⁰ 55	27 ⁰ 54	13 ⁰ 6	14 ⁰ 30	14 ⁰ 10	11 ⁰ 17	T 29
F 30	8 36 20	9 ⁰ 49'03	27 ⁰ 40	2 ⁰ 43	11 ⁰ 50	18 ⁰ 46	8 ⁰ 26	26 ⁰ 46	15 ⁰ 10	27 ⁰ 54	27 ⁰ R54	13 ⁰ 2	14 ⁰ 26	14 ⁰ 17	11 ⁰ 17	F 30
S 31	8 40 17	10 ⁰ 50'02	11 ⁰ Y37	4 ⁰ 21	13 ⁰ 6	19 ⁰ 32	8 ⁰ II 20	26 ⁰ 53	15 ⁰ II 11	27 ⁰ II 53	27 ⁰ 54	13 ⁰ D 1	14 ⁰ Y23	14 ⁰ II 23	11 ⁰ 818	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	23s 1	13s18	3s23	21s48	1n13	23s33	0s15	23s54	0s31	8n42	1n 5	14s48	1s14	15s43	0n25	22n 7	1s17	5n14	16n57	6n18	6n17	17s12	13n45	1s34					
F 2	22 56	7 18	2 26	22 2	1 4	23 32	0 17	23 55	0 32	8 43	1 5	14 46	1 14	15 43	0 25	22 7	1 17	5 15	16 58	6 17	6 15	17 15	13 45	1 34					
S 3	22 50	0 52	1 19	22 15	0 56	23 30	0 20	23 56	0 32	8 44	1 5	14 44	1 14	15 44	0 25	22 7	1 17	5 15	16 58	6 16	6 14	17 18	13 45	1 34					
S 4	22 45	5n42	0 7	22 28	0 48	23 28	0 22	23 57	0 33	8 45	1 5	14 42	1 14	15 45	0 25	22 7	1 17	5 15	16 59	6 16	6 13	17 21	13 44	1 34					
M 5	22 38	12 5	1n 7	22 39	0 40	23 25	0 24	23 58	0 33	8 46	1 6	14 40	1 14	15 45	0 25	22 7	1 17	5 15	17 0	6 16	6 12	17 24	13 44	1 34					
T 6	22 32	17 56	2 18	22 50	0 31	23 21	0 27	23 59	0 34	8 47	1 6	14 38	1 14	15 46	0 25	22 7	1 17	5 15	17 0	6 15	6 11	17 26	13 44	1 34					
W 7	22 24	22 49	3 20	23 0	0 23	23 16	0 29	23 59	0 35	8 48	1 6	14 36	1 14	15 47	0 25	22 7	1 17	5 16	17 1	6 14	6 9	17 29	13 43	1 34					
T 8	22 17	26 20	4 10	23 9	0 15	23 11	0 31	23 59	0 35	8 49	1 6	14 34	1 13	15 47	0 25	22 7	1 17	5 16	17 1	6 11	6 8	17 32	13 43	1 34					
F 9	22 9	28 6	4 44	23 17	0 8	23 4	0 33	23 58	0 36	8 50	1 7	14 31	1 13	15 48	0 25	22 7	1 17	5 16	17 2	6 7	6 7	17 35	13 43	1 34					
S 10	22 0	27 55	4 59	23 24	0s 0	22 58	0 36	23 58	0 36	8 51	1 7	14 29	1 13	15 49	0 25	22 7	1 17	5 16	17 2	6 3	6 6	17 38	13 43	1 34					
S 11	21 51	25 54	4 55	23 30	0 8	22 50	0 38	23 57	0 37	8 53	1 7	14 27	1 13	15 49	0 25	22 7	1 17	5 17	17 3	5 58	6 4	17 41	13 42	1 34					
M12	21 42	22 20	4 34	23 34	0 15	22 42	0 40	23 56	0 37	8 54	1 7	14 25	1 13	15 50	0 25	22 7	1 17	5 17	17 3	5 53	6 3	17 43	13 42	1 34					
T 13	21 32	17 39	3 58	23 38	0 22	22 33	0 42	23 55	0 38	8 56	1 8	14 23	1 13	15 50	0 25	22 7	1 17	5 17	17 4	5 49	6 2	17 46	13 42	1 34					
W14	21 22	12 16	3 9	23 40	0 29	22 23	0 44	23 53	0 39	8 57	1 8	14 21	1 13	15 51	0 25	22 7	1 17	5 18	17 5	5 46	6 1	17 49	13 42	1 34					
T 15	21 11	6 31	2 12	23 41	0 36	22 13	0 46	23 51	0 39	8 59	1 8	14 18	1 13	15 52	0 25	22 7	1 17	5 18	17 5	5 44	6 0	17 52	13 42	1 34					
F 16	21 0	0 40	1 11	23 41	0 43	22 2	0 48	23 49	0 40	9 0	1 8	14 16	1 13	15 52	0 25	22 7	1 17	5 18	17 6	5 43	5 58	17 55	13 42	1 34					
S 17	20 49	5s 5	0 7	23 40	0 49	21 50	0 50	23 47	0 40	9 2	1 9	14 14	1 13	15 53	0 25	22 7	1 17	5 19	17 6	5 43	5 57	17 57	13 42	1 34					
S 18	20 37	10 34	0s56	23 37	0 56	21 38	0 52	23 44	0 41	9 4	1 9	14 12	1 14	15 53	0 25	22 7	1 17	5 19	17 7	5 43	5 56	18 0	13 42	1 34					
M19	20 25	15 37	1 56	23 33	1 2	21 25	0 54	23 41	0 41	9 6	1 9	14 10	1 14	15 54	0 25	22 7	1 17	5 19	17 8	5 43	5 55	18 3	13 42	1 34					
T 20	20 12	20 6	2 51	23 28	1 8	21 11	0 56	23 38	0 42	9 8	1 9	14 7	1 14	15 54	0 25	22 7	1 17	5 20	17 8	5 42	5 53	18 6	13 42	1 34					
W21	19 59	23 49	3 39	23 21	1 13	20 57	0 58	23 35	0 43	9 10	1 10	14 5	1 14	15 54	0 25	22 7	1 17	5 20	17 9	5 41	5 52	18 8	13 42	1 34					
T 22	19 46	26 32	4 17	23 13	1 19	20 42	0 59	23 31	0 43	9 12	1 10	14 3	1 14	15 55	0 25	22 7	1 17	5 21	17 9	5 38	5 51	18 11	13 42	1 34					
F 23	19 32	28 4	4 45	23 4	1 24	20 27	1 1	23 27	0 44	9 14	1 10	14 0	1 14	15 55	0 25	22 7	1 17	5 21	17 10	5 35	5 50	18 14	13 42	1 34					
S 24	19 18	28 12	5 0	22 53	1 29	20 11	1 3	23 23	0 44	9 16	1 10	13 58	1 14	15 56	0 25	22 7	1 17	5 22	17 10	5 30	5 49	18 17	13 42	1 34					
S 25	19 4	26 50	5 0	22 42	1 33	19 54	1 4	23 19	0 45	9 18	1 11	13 56	1 14	15 56	0 25	22 7	1 16	5 22	17 11	5 25	5 47	18 19	13 42	1 34					
M26	18 49	24 1	4 44	22 28	1 38	19 37	1 6	23 14	0 45	9 21	1 11	13 53	1 14	15 56	0 25	22 7	1 16	5 23	17 12	5 20	5 46	18 22	13 42	1 34					
T 27	18 34	19 53	4 13	22 14	1 42	19 19	1 7	23 9	0 46	9 23	1 11	13 51	1 14	15 57	0 25	22 7	1 16	5 23	17 12	5 16	5 45	18 25	13 42	1 34					
W28	18 18	14 39	3 27	21 57	1 45	19 1	1 9	23 4	0 46	9 25	1 11	13 49	1 14	15 57	0 25	22 7	1 16	5 24	17 13	5 12	5 44	18 28	13 42	1 34					
T 29	18 2	8 39	2 29	21 40	1 49	18 42	1 10	22 59	0 47	9 28	1 11	13 46	1 14	15 57	0 25	22 7	1 16	5 24	17 13	5 10	5 42	18 30	13 42	1 34					
F 30	17 46	2 10	1 21	21 1	1 52	18 22	1 12	22 53	0 48	9 30	1 12	13 44	1 14	15 58	0 25	22 7	1 16	5 25	17 14	5 9	5 41	18 33	13 43	1 34					
S 31	17s30	4n28	0s 8	21s 1	1s55	18s 2	1s13	22s47	0s48	9n33	1n12	13s42	1s14	15s58	0n25	22n 7	1s16	5n25	17n14	5n 8	5n40	18s36	13n43	1s34					

ASTRODIENST EPHEMERIS for the year 2229

geocentric

FEBRUARY 2229

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 44 13	11°51'00	25°38	6°0	14°21	20°17	8°13	27°0	15°12	27°52	27°54	13°2	14°20	14°30	11°18	S 1
M 2	8 48 10	12°51'57	9°42	7°39	15°36	21°3	8°7	27°7	15°13	27°51	27°54	13°R 2	14°17	14°37	11°19	M 2
T 3	8 52 6	13°52'53	23°48	9°20	16°52	21°48	8°0	27°14	15°14	27°50	27°53	13°2	14°14	14°43	11°20	T 3
W 4	8 56 3	14°53'48	7°15	11°0	18°7	22°34	7°54	27°22	15°14	27°49	27°53	13°0	14°10	14°50	11°21	W 4
T 5	9 0 0	15°54'41	22°5	12°42	19°22	23°19	7°47	27°29	15°15	27°48	27°53	12°55	14°7	14°57	11°22	T 5
F 6	9 3 56	16°55'33	6°10	14°24	20°38	24°5	7°40	27°36	15°16	27°47	27°53	12°48	14°4	15°3	11°22	F 6
S 7	9 7 53	17°56'24	20°8	16°7	21°53	24°50	7°33	27°43	15°17	27°46	27°53	12°39	14°1	15°10	11°23	S 7
S 8	9 11 49	18°57'14	3°56	17°51	23°8	25°36	7°26	27°50	15°17	27°45	27°52	12°29	13°58	15°17	11°25	S 8
M 9	9 15 46	19°58'02	17°30	19°35	24°24	26°22	7°19	27°57	15°18	27°44	27°52	12°20	13°55	15°23	11°26	M 9
T 10	9 19 42	20°58'49	0°47	21°21	25°39	27°7	7°11	28°5	15°18	27°43	27°52	12°12	13°51	15°30	11°27	T 10
W11	9 23 39	21°59'35	13°45	23°6	26°54	27°53	7°4	28°12	15°19	27°42	27°51	12°6	13°48	15°37	11°28	W11
T 12	9 27 35	23°0'20	26°24	24°53	28°9	28°39	6°56	28°19	15°19	27°41	27°51	12°3	13°45	15°43	11°29	T 12
F 13	9 31 32	24°1'03	8°46	26°40	29°25	29°25	6°49	28°26	15°19	27°40	27°50	12°D 1	13°42	15°50	11°31	F 13
S 14	9 35 29	25°1'46	20°53	28°28	0°40	0°11	6°41	28°34	15°20	27°40	27°50	12°2	13°39	15°57	11°32	S 14
S 15	9 39 25	26°2'28	2°49	0°17	1°55	0°57	6°34	28°41	15°20	27°39	27°49	12°3	13°36	16°3	11°34	S 15
M16	9 43 22	27°3'08	14°40	2°6	3°10	1°42	6°26	28°48	15°20	27°38	27°49	12°4	13°32	16°10	11°35	M16
T 17	9 47 18	28°3'48	26°29	3°56	4°25	2°28	6°18	28°55	15°20	27°38	27°48	12°R 5	13°29	16°17	11°37	T 17
W18	9 51 15	29°4'26	8°23	5°46	5°40	3°14	6°11	29°3	15°20	27°37	27°47	12°5	13°26	16°23	11°38	W18
T 19	9 55 11	0°5'03	20°26	7°36	6°56	4°0	6°3	29°10	15°R20	27°36	27°47	12°2	13°23	16°30	11°40	T 19
F 20	9 59 8	1°5'39	2°43	9°27	8°11	4°46	5°55	29°17	15°20	27°36	27°46	11°58	13°20	16°37	11°42	F 20
S 21	10 3 4	2°6'14	15°18	11°17	9°26	5°32	5°47	29°24	15°20	27°35	27°45	11°53	13°16	16°43	11°44	S 21
S 22	10 7 1	3°6'48	28°13	13°8	10°41	6°19	5°39	29°32	15°20	27°35	27°45	11°46	13°13	16°50	11°46	S 22
M23	10 10 58	4°7'20	11°29	14°58	11°56	7°5	5°31	29°39	15°20	27°34	27°44	11°39	13°10	16°57	11°47	M23
T 24	10 14 54	5°7'51	25°6	16°47	13°11	7°51	5°23	29°46	15°19	27°34	27°43	11°33	13°7	17°3	11°49	T 24
W25	10 18 51	6°8'20	9°2	18°35	14°26	8°37	5°15	29°53	15°19	27°33	27°42	11°28	13°4	17°10	11°51	W25
T 26	10 22 47	7°8'47	23°11	20°22	15°41	9°23	5°7	0°0	15°19	27°33	27°41	11°25	13°1	17°17	11°54	T 26
F 27	10 26 44	8°9'13	7°29	22°8	16°56	10°9	5°0	0°8	15°18	27°33	27°40	11°D24	12°57	17°23	11°56	F 27
S 28	10 30 40	9°9'37	21°52	23°51	18°11	10°56	4°52	0°15	15°18	27°32	27°49	11°Y24	12°Y54	17°M30	11°Y58	S 28

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	17s13	10n56	1n 7	20s39	1s58	17s42	1s14	22s41	0s49	9n35	1n12	13s39	1s14	15s58	0n25	22n 7
M 2	16 56	16 52	2 17	20 16	2 0	17 21	1 16	22 35	0 49	9 38	1 12	13 37	1 14	15 59	0 25	22 7
T 3	16 39	21 56	3 20	19 51	2 2	16 59	1 17	22 28	0 50	9 41	1 12	13 34	1 14	15 59	0 25	22 8
W 4	16 21	25 44	4 10	19 25	2 3	16 37	1 18	22 21	0 50	9 43	1 13	13 32	1 14	15 59	0 25	22 8
T 5	16 3	27 55	4 45	18 58	2 4	16 15	1 19	22 14	0 51	9 46	1 13	13 29	1 14	15 59	0 25	22 8
F 6	15 45	28 19	5 3	18 29	2 5	15 52	1 20	22 7	0 51	9 49	1 13	13 27	1 14	15 59	0 25	22 8
S 7	15 26	26 53	5 3	17 59	2 5	15 28	1 21	21 59	0 52	9 52	1 13	13 25	1 14	16 0	0 25	22 8
S 8	15 7	23 51	4 44	17 27	2 5	15 5	1 22	21 51	0 52	9 54	1 13	13 22	1 14	16 0	0 25	22 8
M 9	14 48	19 32	4 10	16 54	2 5	14 40	1 23	21 43	0 53	9 57	1 13	13 20	1 14	16 0	0 25	22 8
T 10	14 29	14 21	3 23	16 19	2 4	14 16	1 23	21 35	0 53	10 0	1 14	13 17	1 14	16 0	0 25	22 8
W11	14 10	8 38	2 26	15 43	2 2	13 51	1 24	21 26	0 54	10 3	1 14	13 15	1 14	16 0	0 25	22 8
T 12	13 50	2 42	1 23	15 6	2 0	13 25	1 25	21 18	0 54	10 6	1 14	13 12	1 14	16 0	0 25	22 8
F 13	13 30	3s12	0 18	14 27	1 58	13 0	1 25	21 9	0 55	10 9	1 14	13 10	1 14	16 0	0 25	22 8
S 14	13 10	8 53	0s48	13 47	1 55	12 34	1 26	20 59	0 55	10 12	1 14	13 7	1 14	16 0	0 25	22 8
S 15	12 49	14 10	1 50	13 6	1 51	12 7	1 26	20 50	0 56	10 15	1 14	13 5	1 14	16 1	0 25	22 8
M16	12 29	18 53	2 47	12 23	1 47	11 41	1 26	20 40	0 56	10 18	1 14	13 2	1 14	16 1	0 25	22 8
T 17	12 8	22 52	3 37	11 39	1 43	11 13	1 27	20 30	0 57	10 21	1 15	13 0	1 15	16 1	0 26	22 8
W18	11 47	25 56	4 18	10 54	1 37	10 46	1 27	20 20	0 57	10 24	1 15	12 58	1 15	16 1	0 26	22 8
T 19	11 26	27 52	4 48	10 7	1 31	10 18	1 27	20 10	0 58	10 27	1 15	12 55	1 15	16 1	0 26	22 8
F 20	11 4	28 29	5 6	9 20	1 25	9 51	1 27	20 0	0 58	10 30	1 15	12 53	1 15	16 1	0 26	22 8
S 21	10 43	27 40	5 9	8 32	1 18	9 22	1 27	19 49	0 59	10 33	1 15	12 50	1 15	16 0	0 26	22 8
S 22	10 21	25 21	4 57	7 42	1 10	8 54	1 27	19 38	0 59	10 36	1 15	12 48	1 15	16 0	0 26	22 8
M23	9 59	21 38	4 29	6 52	1 2	8 25	1 27	19 27	1 0	10 39	1 15	12 45	1 15	16 0	0 26	22 8
T 24	9 37	16 41	3 45	6 1	0 53	7 56	1 27	19 15	1 0	10 42	1 15	12 43	1 15	16 0	0 26	22 8
W25	9 15	10 46	2 47	5 10	0 43	7 27	1 27	19 4	1 1	10 44	1 15	12 40	1 15	16 0	0 26	22 8
T 26	8 53	4 12	1 38	4 18	0 32	6 58	1 27	18 52	1 1	10 47	1 15	12 38	1 15	16 0	0 26	22 8
F 27	8 30	2n38	0 21	3 27	0 21	6 29	1 26	18 40	1 1	10 50	1 15	12 35	1 15	16 0	0 26	22 8
S 28	8s 8	9n24	0n57	2s35	0s10	5s59	1s26	18s28	1s 2	10n53	1n16	12s33	1s15	16s 0	0n26	22n 8

Julian Day Number = 2535216.5, Delta T = 194.25 sec
 Ecliptic obliquity = 23°24'43, Nutation = - 0°00'03, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°56'31, Lahiri = 27°03'31

ASTRODIENST EPHEMERIS for the year 2229

geocentric

MARCH 2229

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 34 37	10° 59'	6° 15'	25° 32'	19° 26'	11° 42'	4° 44'	0° 22'	15° 17'	27° 32'	27° 38'	11° 25'	12° 51'	17° 37'	12° 0'	S 1
M 2	10 38 33	11° 10' 20"	20° 35'	27° 10'	20° 41'	12° 28'	4° 36'	0° 29'	15° 17'	27° 32'	27° 37'	11° 27'	12° 48'	17° 43'	12° 2'	M 2
T 3	10 42 30	12° 10' 38"	4° 48'	28° 44'	21° 56'	13° 14'	4° 28'	0° 36'	15° 16'	27° 32'	27° 36'	11° 28'	12° 45'	17° 50'	12° 5'	T 3
W 4	10 46 26	13° 10' 55"	18° 53'	0° 13'	23° 11'	14° 1'	4° 20'	0° 44'	15° 15'	27° 31'	27° 35'	11° 28'	12° 42'	17° 57'	12° 7'	W 4
T 5	10 50 23	14° 11' 09"	2° 48'	1° 38'	24° 26'	14° 47'	4° 13'	0° 51'	15° 15'	27° 31'	27° 34'	11° 27'	12° 38'	18° 3'	12° 9'	T 5
F 6	10 54 20	15° 11' 21"	16° 32'	2° 58'	25° 41'	15° 33'	4° 5'	0° 58'	15° 14'	27° 31'	27° 33'	11° 24'	12° 35'	18° 10'	12° 12'	F 6
S 7	10 58 16	16° 11' 32"	0° 6'	4° 11'	26° 56'	16° 20'	3° 57'	1° 5'	15° 13'	27° 31'	27° 32'	11° 21'	12° 32'	18° 17'	12° 14'	S 7
S 8	11 2 13	17° 11' 40"	13° 26'	5° 18'	28° 11'	17° 6'	3° 50'	1° 12'	15° 12'	27° 31'	27° 31'	11° 17'	12° 29'	18° 23'	12° 17'	S 8
M 9	11 6 9	18° 11' 46"	26° 34'	6° 18'	29° 25'	17° 53'	3° 42'	1° 19'	15° 11'	27° 31'	27° 30'	11° 13'	12° 26'	18° 30'	12° 19'	M 9
T 10	11 10 6	19° 11' 50"	9° 27'	7° 10'	0° 40'	18° 39'	3° 35'	1° 26'	15° 10'	27° 31'	27° 28'	11° 10'	12° 22'	18° 37'	12° 22'	T 10
W 11	11 14 2	20° 11' 52"	22° 7'	7° 54'	1° 55'	19° 25'	3° 28'	1° 33'	15° 9'	27° 31'	27° 27'	11° 8'	12° 19'	18° 43'	12° 25'	W 11
T 12	11 17 59	21° 11' 53"	4° 43'	8° 29'	3° 10'	20° 12'	3° 20'	1° 40'	15° 8'	27° 31'	27° 26'	11° 7'	12° 16'	18° 50'	12° 28'	T 12
F 13	11 21 55	22° 11' 51"	16° 47'	8° 56'	4° 24'	20° 58'	3° 13'	1° 47'	15° 7'	27° 31'	27° 25'	11° 6'	12° 13'	18° 57'	12° 30'	F 13
S 14	11 25 52	23° 11' 48"	28° 50'	9° 14'	5° 39'	21° 45'	3° 6'	1° 54'	15° 5'	27° 31'	27° 23'	11° 8'	12° 10'	19° 3'	12° 33'	S 14
S 15	11 29 49	24° 11' 44"	10° 45'	9° 23'	6° 54'	22° 31'	2° 59'	2° 1'	15° 4'	27° 32'	27° 22'	11° 9'	12° 7'	19° 10'	12° 36'	S 15
M 16	11 33 45	25° 11' 37"	22° 35'	9° 23'	8° 8'	23° 18'	2° 52'	2° 8'	15° 3'	27° 32'	27° 21'	11° 11'	12° 3'	19° 17'	12° 39'	M 16
T 17	11 37 42	26° 11' 29"	4° 25'	9° 15'	9° 23'	24° 4'	2° 46'	2° 15'	15° 2'	27° 32'	27° 19'	11° 12'	12° 0'	19° 23'	12° 42'	T 17
W 18	11 41 38	27° 11' 19"	16° 19'	8° 58'	10° 37'	24° 51'	2° 39'	2° 22'	15° 0'	27° 32'	27° 18'	11° 13'	11° 57'	19° 30'	12° 45'	W 18
T 19	11 45 35	28° 11' 08"	28° 21'	8° 34'	11° 52'	25° 37'	2° 32'	2° 28'	14° 59'	27° 33'	27° 17'	11° 13'	11° 54'	19° 37'	12° 48'	T 19
F 20	11 49 31	29° 10' 55"	10° 36'	8° 2'	13° 6'	26° 24'	2° 26'	2° 35'	14° 57'	27° 33'	27° 15'	11° 13'	11° 51'	19° 43'	12° 51'	F 20
S 21	11 53 28	0° 10' 40"	23° 9'	7° 24'	14° 21'	27° 11'	2° 20'	2° 42'	14° 56'	27° 34'	27° 14'	11° 12'	11° 47'	19° 50'	12° 54'	S 21
S 22	11 57 24	1° 10' 23"	6° 4'	6° 40'	15° 35'	27° 57'	2° 13'	2° 49'	14° 54'	27° 34'	27° 12'	11° 11'	11° 44'	19° 57'	12° 57'	S 22
M 23	12 1 21	2° 10' 05"	19° 22'	5° 52'	16° 50'	28° 44'	2° 7'	2° 55'	14° 53'	27° 34'	27° 11'	11° 10'	11° 41'	20° 3'	13° 0'	M 23
T 24	12 5 18	3° 9' 45"	3° 5'	5° 1'	18° 4'	29° 30'	2° 2'	3° 2'	14° 51'	27° 35'	27° 9'	11° 9'	11° 38'	20° 10'	13° 3'	T 24
W 25	12 9 14	4° 9' 23"	17° 12'	4° 7'	19° 19'	0° 17'	1° 56'	3° 8'	14° 49'	27° 36'	27° 8'	11° 8'	11° 35'	20° 17'	13° 6'	W 25
T 26	12 13 11	5° 8' 59"	1° 39'	3° 13'	20° 33'	1° 4'	1° 50'	3° 15'	14° 48'	27° 36'	27° 6'	11° 7'	11° 32'	20° 23'	13° 10'	T 26
F 27	12 17 7	6° 8' 33"	16° 21'	2° 19'	21° 47'	1° 50'	1° 45'	3° 21'	14° 46'	27° 37'	27° 5'	11° 6'	11° 28'	20° 30'	13° 13'	F 27
S 28	12 21 4	7° 8' 05"	1° 11'	1° 26'	23° 2'	2° 37'	1° 39'	3° 28'	14° 44'	27° 37'	27° 3'	11° 8'	11° 25'	20° 37'	13° 16'	S 28
S 29	12 25 0	8° 7' 34"	16° 1'	0° 35'	24° 16'	3° 23'	1° 34'	3° 34'	14° 42'	27° 38'	27° 2'	11° 8'	11° 22'	20° 43'	13° 20'	S 29
M 30	12 28 57	9° 7' 02"	0° 45'	29° 48'	25° 30'	4° 10'	1° 29'	3° 41'	14° 40'	27° 39'	27° 0'	11° 8'	11° 19'	20° 50'	13° 23'	M 30
T 31	12 32 53	10° 7' 28"	15° 16'	29° 4'	26° 45'	4° 57'	1° 24'	3° 47'	14° 38'	27° 39'	26° 58'	11° 8'	11° 16'	20° 57'	13° 26'	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	7s45	15n40	2n12	1s44	0n 2	5s29	1s25	18s15	1s 2	10n56	1n16	12s30	1s15	16s 0	0n26	22n 8	S 1
M 2	7 22 21	3 3 18	0 54	0 15	4 59	1 25	18 3	1 3	10 59	1 16	12 28	1 15	15 59	0 26	22 8	1 15	M 2
T 3	6 59 25 12	4 12 0	5 0 28	4 29	1 24	17 50	1 3	11 2	1 16	12 25	1 15	15 59	0 26	22 8	1 15	5 46	T 3
W 4	6 36 27 45	4 50 0n44	0 42	3 59	1 24	17 37	1 4	11 5	1 16	12 23	1 16	15 59	0 26	22 9	1 15	5 47	W 4
T 5	6 13 28 33	5 10 1	30 0 55	3 29	1 23	17 24	1 4	11 8	1 16	12 20	1 16	15 59	0 26	22 9	1 15	5 48	T 5
F 6	5 50 27 33	5 12 2	14 1 10	2 58	1 22	17 11	1 4	11 11	1 16	12 18	1 16	15 58	0 26	22 9	1 15	5 48	F 6
S 7	5 26 24 57	4 57 2	57 1 24	2 28	1 21	16 57	1 5	11 13	1 16	12 16	1 16	15 58	0 26	22 9	1 15	5 49	S 7
S 8	5 3 21 1	4 26 3	36 1 38	1 57	1 20	16 44	1 5	11 16	1 16	12 13	1 16	15 58	0 26	22 9	1 15	5 50	S 8
M 9	4 40 16 7	3 41 4	12 1 52	1 27	1 19	16 30	1 6	11 19	1 16	12 11	1 16	15 58	0 26	22 9	1 15	5 51	M 9
T 10	4 16 10 34	2 46 4	46 2 5	0 56	1 18	16 16	1 6	11 22	1 16	12 8	1 16	15 57	0 26	22 9	1 15	5 51	T 10
W 11	3 53 4 42	1 43 5	15 2 19	0 25	1 17	16 2	1 6	11 24	1 16	12 6	1 16	15 57	0 26	22 9	1 14	5 52	W 11
T 12	3 29 1s15	0 36 5	41 2 31	0n 5	1 16	15 48	1 7	11 27	1 16	12 3	1 16	15 57	0 26	22 9	1 14	5 53	T 12
F 13	3 6 7 4	0s31 6	2 2 43	0 36	1 15	15 33	1 7	11 29	1 16	12 1	1 16	15 56	0 26	22 9	1 14	5 54	F 13
S 14	2 42 12 33	1 36 6	20 2 54	1 7	1 14	15 18	1 8	11 32	1 16	11 59	1 17	15 56	0 26	22 9	1 14	5 54	S 14
S 15	2 18 17 31	2 37 6	32 3 4	1 38	1 12	15 4	1 8	11 35	1 16	11 56	1 17	15 56	0 26	22 9	1 14	5 55	S 15
M 16	1 54 21 47	3 10 6	40 3 13	2 8	1 11	14 49	1 8	11 37	1 16	11 54	1 17	15 55	0 26	22 9	1 14	5 56	M 16
T 17	1 31 25 10	4 14 6	44 3 20	2 39	1 9	14 34	1 9	11 39	1 16	11 52	1 17	15 55	0 26	22 9	1 14	5 57	T 17
W 18	1 7 27 28	4 47 6	43 3 26	3 10	1 8	14 18	1 9	11 42	1 16	11 49	1 17	15 54	0 26	22 9	1 14	5 57	W 18
T 19	0 43 28 33	5 9 6	37 3 30	3 40	1 6	14 3	1 9	11 44	1 16	11 47	1 17	15 54	0 26	22 9	1 14	5 58	T 19
F 20	0 20 28 15	5 17 6	26 3 33	4 11	1 5	13 48	1 10	11 46	1 16	11 45	1 17	15 54	0 26	22 9	1 14	5 59	F 20
S 21	0n 4 26 31	5 10 6	12 3 33	4 41	1 3	13 32	1 10	11 49	1 16	11 42	1 17	15 53	0 26	22 9	1 14	6 0	S 21
S 22	0 28 23 22	4 48 5	53 3 32	5 11	1 1	13 16	1 10	11 51	1 16	11 40	1 17	15 53	0 26	22 9	1 14	6 1	S 22
M 23	0 52 18 56	4 9 5	31 3 28	5 41	1 0	13 0	1 11	11 53	1 16	11 38	1 18	15 52	0 26	22 10	1 14	6 1	M 23
T 24	1 15 13 24	3 16 5	6 3 23	6 11	0 58	12 44	1 11	11 55	1 15	11 35	1 18	15 52	0 26	22 10	1 14	6 2	T 24
W 25	1 39 7 2	2 9 4	38 3 16	6 41	0 56	12 28	1 11	11 57	1 15	11 33	1 18	15 51	0 26	22 10	1 14	6 3	W 25
T 26	2 3 0 8	0 52 4	8 3 7	7 11	0 54	12 12	1 12	11 59	1 15	11 31	1 18	15 51	0 26	22 10	1 14	6 3	T 26
F 27	2 26 6n52	0n29 3	37 2 57	7 41	0 52	11 56	1 12	12 1	1 15	11 29	1 18	15 50	0 26	22 10	1 14	6 4	F 27
S 28	2 50 13 35	1 49 3	5 2 45	8 10	0 50	11 39	1 12	12 3	1 15	11 26	1 18	15 50	0 26	22 10	1 14	6 5	S 28
S 29	3 13 19 31	3 2 2	33 2 32	8 39	0 48	11 23	1 12	12 4	1 15	11 24	1 18	15 49	0 26	22 10	1 14	6 6	S 29
M 30	3 37 24 14	4 2 2	2 2 18	9 8	0 46	11 6	1 13	12 6	1 15	11 22	1 18	15 48	0 26	22 10	1 14	6 6	M 30
T 31	4n 0 27n20	4n46 1n31	2n 3 9n37	0s44 10s49	1s13 12n 8	1n15 11s20	1s19 15s48	0n26 22n10	1s13 6n 7	17n39	4n24 4n27	21s 9 14n22	1s34				T 31

Julian Day Number = 2535244.5, Delta T = 194.34 sec
 Ecliptic obliquity = 23°24'43", Nutation = - 0°00'03", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°56'35", Lahiri = 27°03'35"

ASTRODIENST EPHEMERIS for the year 2229

geocentric

APRIL 2229

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 36 50	11°5'51"	29°30'	28°R25	27°Y59	5°H43	1°R19	3°H53	14°R36	27°II40	26°R57	11°R 8	11°Y13	21°M 3	13°B30	W 1
T 2	12 40 47	12° 5'12"	13°26'	27°H51	29°13	6°30	1°M15	4° 0	14°M34	27°41	26°A55	11°D 8	11° 9	21°10	13°33	T 2
F 3	12 44 43	13° 4'30"	27° 3	27°22	0°B27	7°17	1°11	4° 6	14°32	27°42	26°54	11°Y 8	11° 6	21°17	13°37	F 3
S 4	12 48 40	14° 3'47"	10°21	26°59	1°41	8° 3	1° 6	4°12	14°30	27°43	26°52	11° 9	11° 3	21°23	13°40	S 4
S 5	12 52 36	15° 3'00"	23°23	26°41	2°55	8°50	1° 2	4°18	14°28	27°44	26°50	11° 9	11° 0	21°30	13°44	S 5
M 6	12 56 33	16° 2'12"	6°M 9	26°29	4° 9	9°37	0°58	4°24	14°26	27°45	26°49	11° 9	10°57	21°37	13°47	M 6
T 7	13 0 29	17° 1'21"	18°42	26°23	5°23	10°23	0°55	4°30	14°24	27°45	26°47	11°10	10°53	21°43	13°51	T 7
W 8	13 4 26	18° 0'28"	1°A 3	26°D23	6°37	11°10	0°51	4°36	14°22	27°46	26°45	11°10	10°50	21°50	13°55	W 8
T 9	13 8 22	18°59'33"	13°14	26°28	7°51	11°56	0°48	4°42	14°20	27°47	26°44	11°R10	10°47	21°57	13°58	T 9
F 10	13 12 19	19°58'36"	25°17	26°38	9° 5	12°43	0°45	4°48	14°17	27°49	26°42	11°10	10°44	22° 4	14° 2	F 10
S 11	13 16 16	20°57'37"	7°M13	26°53	10°19	13°30	0°42	4°54	14°15	27°50	26°40	11° 9	10°41	22°10	14° 5	S 11
S 12	13 20 12	21°56'36"	19° 5	27°13	11°33	14°16	0°39	4°59	14°13	27°51	26°39	11° 8	10°38	22°17	14° 9	S 12
M13	13 24 9	22°55'33"	0°A56	27°38	12°46	15° 3	0°36	5° 5	14°11	27°52	26°37	11° 6	10°34	22°24	14°13	M13
T 14	13 28 5	23°54'29"	12°46	28° 8	14° 0	15°49	0°34	5°11	14° 8	27°53	26°35	11° 4	10°31	22°30	14°17	T 14
W15	13 32 2	24°53'23"	24°41	28°41	15°14	16°36	0°31	5°16	14° 6	27°54	26°34	11° 3	10°28	22°37	14°20	W15
T 16	13 35 58	25°52'14"	6°B43	29°19	16°28	17°23	0°29	5°22	14° 4	27°55	26°32	11° 1	10°25	22°44	14°24	T 16
F 17	13 39 55	26°51'05"	18°57	0°Y 0	17°41	18° 9	0°27	5°27	14° 1	27°57	26°30	11° 0	10°22	22°50	14°28	F 17
S 18	13 43 51	27°49'53"	1°A26	0°46	18°55	18°56	0°26	5°32	13°59	27°58	26°29	11°D 0	10°19	22°57	14°32	S 18
S 19	13 47 48	28°48'40"	14°15	1°34	20° 8	19°42	0°24	5°38	13°56	27°59	26°27	11° 1	10°15	23° 4	14°35	S 19
M20	13 51 45	29°47'25"	29°47'28"	2°26	21°22	20°29	0°23	5°43	13°54	28° 1	26°25	11° 2	10°12	23°10	14°39	M20
T 21	13 55 41	0°B46'08"	11°H 7	3°21	22°36	21°15	0°22	5°48	13°52	28° 2	26°23	11° 3	10° 9	23°17	14°43	T 21
W22	13 59 38	1°44'50"	25°13	4°19	23°49	22° 2	0°21	5°53	13°49	28° 3	26°22	11° 4	10° 6	23°24	14°47	W22
T 23	14 3 34	2°43'29"	9°Y43	5°20	25° 2	22°48	0°20	5°58	13°47	28° 5	26°20	11°R 5	10° 3	23°30	14°51	T 23
F 24	14 7 31	3°42'07"	24°35	6°24	26°16	23°35	0°19	6° 3	13°44	28° 6	26°18	11° 5	9°59	23°37	14°55	F 24
S 25	14 11 27	4°40'43"	9°B41	7°30	27°29	24°21	0°19	6° 8	13°42	28° 8	26°17	11° 3	9°56	23°44	14°59	S 25
S 26	14 15 24	5°39'18"	24°51	8°39	28°43	25° 8	0°19	6°13	13°39	28° 9	26°15	11° 0	9°53	23°50	15° 3	S 26
M27	14 19 20	6°37'50"	9°II57	9°50	29°56	25°54	0°D19	6°18	13°37	28°11	26°13	10°57	9°50	23°57	15° 6	M27
T 28	14 23 17	7°36'21"	24°48	11° 3	1°II 9	26°41	0°19	6°23	13°34	28°12	26°12	10°53	9°47	24° 4	15°10	T 28
W29	14 27 14	8°34'49"	9°B19	12°19	2°22	27°27	0°19	6°27	13°32	28°14	26°10	10°50	9°44	24°10	15°14	W29
T 30	14 31 10	9°B33'15"	23°B25	13°Y37	3°II36	28°H13	0°M20	6°H32	13°M29	28°II15	26°A 8	10°Y48	9°Y40	24°M17	15°B18	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	4n23	28n36	5n11	1n 1	1n48	10n 6	0s42	10s32	1s13	12n 9	1n15	11s18	1s19	15s47	0n26	22n10	1s13	6n 8	17n40	4n24	4n26	21s11	14n23	1s34	
T 2	4 46	28 0	5 17	0 33	1 32	10 34	0 39	10 15	1 13	12 11	1 15	11 15	1 19	15 47	0 26	22 10	1 13	6 9	17 40	4 24	4 25	21 14	14 24	1 34	
F 3	5 9	25 43	5 5	0 7	1 17	11 2	0 37	9 58	1 14	12 12	1 15	11 13	1 19	15 46	0 26	22 10	1 13	6 9	17 40	4 24	4 23	21 16	14 25	1 34	
S 4	5 32	22 4	4 37	0s16	1 1	11 30	0 35	9 41	1 14	12 14	1 15	11 11	1 19	15 46	0 26	22 10	1 13	6 10	17 40	4 24	4 22	21 18	14 26	1 34	
S 5	5 55	17 25	3 55	0 38	0 45	11 58	0 32	9 24	1 14	12 15	1 14	11 9	1 19	15 45	0 26	22 10	1 13	6 11	17 40	4 24	4 21	21 21	14 27	1 34	
M 6	6 18	12 4	3 2	0 57	0 29	12 25	0 30	9 6	1 14	12 16	1 14	11 7	1 19	15 44	0 26	22 10	1 13	6 11	17 40	4 25	4 20	21 23	14 28	1 34	
T 7	6 41	6 20	2 2	1 13	0 14	12 52	0 28	8 49	1 14	12 18	1 14	11 5	1 20	15 44	0 26	22 10	1 13	6 12	17 40	4 25	4 18	21 26	14 29	1 34	
W 8	7 3	0 26	0 56	1 27	0s 1	13 19	0 25	8 31	1 15	12 19	1 14	11 3	1 20	15 43	0 26	22 11	1 13	6 13	17 40	4 25	4 17	21 28	14 30	1 34	
T 9	7 26	5s24	0s11	1 38	0 15	13 45	0 23	8 14	1 15	12 20	1 14	11 1	1 20	15 42	0 26	22 11	1 13	6 13	17 41	4 25	4 16	21 30	14 31	1 34	
F 10	7 48	10 58	1 17	1 47	0 29	14 11	0 20	7 56	1 15	12 21	1 14	10 59	1 20	15 42	0 26	22 11	1 13	6 14	17 41	4 25	4 15	21 33	14 32	1 34	
S 11	8 10	16 6	2 19	1 53	0 42	14 37	0 18	7 38	1 15	12 22	1 14	10 57	1 20	15 41	0 26	22 11	1 13	6 15	17 41	4 25	4 13	21 35	14 33	1 34	
S 12	8 32	20 36	3 15	1 56	0 54	15 2	0 15	7 21	1 15	12 23	1 14	10 55	1 20	15 40	0 26	22 11	1 13	6 15	17 41	4 24	4 12	21 38	14 34	1 34	
M13	8 54	24 16	4 2	1 57	1 6	15 27	0 13	7 3	1 16	12 24	1 13	10 53	1 20	15 40	0 26	22 11	1 13	6 16	17 41	4 23	4 11	21 40	14 35	1 34	
T 14	9 16	26 54	4 39	1 56	1 18	15 52	0 10	6 45	1 16	12 24	1 13	10 51	1 21	15 39	0 26	22 11	1 13	6 16	17 41	4 23	4 10	21 42	14 36	1 34	
W15	9 38	28 21	5 3	1 52	1 28	16 16	0 8	6 27	1 16	12 25	1 13	10 49	1 21	15 38	0 26	22 11	1 13	6 17	17 41	4 22	4 8	21 45	14 37	1 35	
T 16	9 59	28 29	5 15	1 46	1 38	16 40	0 5	6 9	1 16	12 26	1 13	10 47	1 21	15 38	0 26	22 11	1 13	6 18	17 41	4 21	4 7	21 47	14 38	1 35	
F 17	10 20	27 14	5 13	1 38	1 48	17 3	0 2	5 51	1 16	12 26	1 13	10 46	1 21	15 37	0 26	22 11	1 13	6 18	17 41	4 21	4 6	21 49	14 39	1 35	
S 18	10 41	24 38	4 56	1 28	1 56	17 26	0n 0	5 33	1 16	12 27	1 13	10 44	1 21	15 36	0 26	22 11	1 13	6 19	17 41	4 21	4 5	21 52	14 40	1 35	
S 19	11 2	20 45	4 25	1 17	2 4	17 48	0 3	5 15	1 16	12 27	1 13	10 42	1 21	15 35	0 26	22 11	1 13	6 19	17 41	4 21	4 3	21 54	14 41	1 35	
M20	11 23	15 45	3 38	1 3	2 11	18 10	0 6	4 56	1 17	12 27	1 13	10 40	1 22	15 35	0 26	22 11	1 13	6 20	17 41	4 22	4 2	21 57	14 42	1 35	
T 21	11 44	9 49	2 38	0 47	2 18	18 32	0 8	4 38	1 17	12 28	1 12	10 38	1 22	15 34	0 26	22 11	1 12	6 20	17 41	4 22	4 1	21 59	14 43	1 35	
W22	12 4	3 13	1 26	0 30	2 24	18 53	0 11	4 20	1 17	12 28	1 12	10 37	1 22	15 33	0 26	22 11	1 12	6 21	17 41	4 23	4 0	22 1	14 45	1 35	
T 23	12 24	3n44	0 7	0 10	2 30	19 14	0 14	4 2	1 17	12 28	1 12	10 35	1 22	15 33	0 26	22 11	1 12	6 21	17 41	4 23	3 58	22 3	14 46	1 35	
F 24	12 44	10 40	1n14	0n10	2 34	19 34	0 16	3 43	1 17	12 28	1 12	10 33	1 22	15 32	0 26	22 12	1 12	6 22	17 41	4 23	3 57	22 6	14 47	1 35	
S 25	13 4	17 5	2 31	0 33	2 38	19 53	0 19	3 25	1 17	12 28	1 12	10 32	1 22	15 31	0 26	22 12	1 12	6 22	17 41	4 22	3 56	22 8	14 48	1 35	
S 26	13 24	22 29	3 38	0 56	2 42	20 12	0 22	3 7	1 17	12 28	1 12	10 30	1 23	15 30	0 26	22 12	1 12	6 23	17 41	4 21	3 55	22 10	14 49	1 35	
M27	13 43	26 21	4 29	1 22	2 45	20 31	0 25	2 48	1 17	12 28	1 12	10 28	1 23	15 30	0 26	22 12	1 12	6 23	17 40	4 20	3 53	22 13	14 50	1 35	
T 28	14 2	28 20	5 1	1 48	2 47	20 49	0 27	2 30	1 17	12 28	1 11	10 27	1 23	15 29	0 26	22 12	1 12	6 24	17 40	4 18	3 52	22 15	14 51	1 35	
W29	14 21	28 18	5 14	2 16	2 49	21 6	0 30	2 12	1 17	12 28	1 11	10 25	1 23	15 28	0 26	22 12	1 12	6 24	17 40	4 17	3 51	22 17	14 52	1 35	
T 30	14n39	26n25	5n 6	2n45	2s50	21n23	0n33	1s53	1s17	12n27	1n11	10s24	1s23	15s27	0n26	22n12	1s12	6n25	17n40	4n16	3n50	22s20	14n53	1s35	

ASTRODIENST EPHEMERIS for the year 2229

geocentric

MAY 2229

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 35 7	10 ⁸ 31'39	7 ⁸ 5	14 ^Y 57	4 ^{II} 49	29 [✠] 0	0 ^{III} 20	6 [✠] 36	13 ^R 26	28 ^{II} 17	26 ^R 7	10 ^D 47	9 ^Y 37	24 ^{III} 24	15 ⁸ 22	F 1
S 2	14 39 3	11°30'01	20°20	16°20	6° 2	29°46	0°21	6°41	13 ^{III} 24	28°19	26 ^Δ 5	10 ^Y 47	9°34	24°31	15°26	S 2
S 3	14 43 0	12°28'20	3 ^{III} 12	17°44	7°15	0 ^Y 32	0°22	6°45	13°21	28°20	26° 4	10°49	9°31	24°37	15°30	S 3
M 4	14 46 56	13°26'38	15°47	19°10	8°28	1°19	0°24	6°49	13°19	28°22	26° 2	10°50	9°28	24°44	15°34	M 4
T 5	14 50 53	14°24'53	28° 6	20°39	9°41	2° 5	0°25	6°53	13°16	28°24	26° 0	10°52	9°25	24°51	15°38	T 5
W 6	14 54 49	15°23'07	10 ^Δ 14	22° 9	10°54	2°51	0°27	6°57	13°14	28°25	25°59	10°R52	9°21	24°57	15°42	W 6
T 7	14 58 46	16°21'19	22°13	23°41	12° 7	3°37	0°28	7° 1	13°11	28°27	25°57	10°52	9°18	25° 4	15°46	T 7
F 8	15 2 43	17°19'28	4 ^{III} 8	25°15	13°20	4°23	0°30	7° 5	13° 9	28°29	25°56	10°49	9°15	25°11	15°50	F 8
S 9	15 6 39	18°17'37	15°59	26°51	14°32	5°10	0°33	7° 9	13° 6	28°31	25°54	10°45	9°12	25°17	15°54	S 9
S 10	15 10 36	19°15'43	27°49	28°29	15°45	5°56	0°35	7°13	13° 4	28°33	25°53	10°39	9° 9	25°24	15°57	S 10
M 11	15 14 32	20°13'48	9 ^Δ 40	0 ⁸ 9	16°58	6°42	0°37	7°17	13° 1	28°34	25°51	10°32	9° 5	25°31	16° 1	M 11
T 12	15 18 29	21°11'51	21°34	1°51	18°10	7°28	0°40	7°20	12°59	28°36	25°50	10°25	9° 2	25°37	16° 5	T 12
W 13	15 22 25	22° 9'53	3 ⁸ 33	3°35	19°23	8°14	0°43	7°24	12°56	28°38	25°48	10°17	8°59	25°44	16° 9	W 13
T 14	15 26 22	23° 7'54	15°39	5°21	20°36	9° 0	0°46	7°27	12°54	28°40	25°47	10°11	8°56	25°51	16°13	T 14
F 15	15 30 18	24° 5'53	27°54	7° 9	21°48	9°46	0°49	7°30	12°51	28°42	25°45	10° 6	8°53	25°57	16°17	F 15
S 16	15 34 15	25° 3'51	10 ^Δ 23	8°58	23° 1	10°32	0°53	7°34	12°49	28°44	25°44	10° 3	8°50	26° 4	16°21	S 16
S 17	15 38 12	26° 1'47	23° 9	10°50	24°13	11°18	0°56	7°37	12°46	28°46	25°42	10°D 2	8°46	26°11	16°25	S 17
M 18	15 42 8	26°59'42	6 [✠] 16	12°43	25°26	12° 4	1° 0	7°40	12°44	28°48	25°41	10° 2	8°43	26°17	16°29	M 18
T 19	15 46 5	27°57'36	19°46	14°39	26°38	12°49	1° 4	7°43	12°41	28°50	25°40	10° 3	8°40	26°24	16°33	T 19
W 20	15 50 1	28°55'29	3 ^Y 42	16°36	27°50	13°35	1° 8	7°46	12°39	28°52	25°38	10°R 4	8°37	26°31	16°37	W 20
T 21	15 53 58	29°53'20	18° 5	18°35	29° 2	14°21	1°12	7°49	12°36	28°54	25°37	10° 4	8°34	26°38	16°40	T 21
F 22	15 57 54	0 ^{II} 51'11	2 ⁸ 52	20°36	0 ⁸ 15	15° 7	1°16	7°51	12°34	28°56	25°36	10° 2	8°30	26°44	16°44	F 22
S 23	16 1 51	1°49'00	17°57	22°39	1°27	15°52	1°21	7°54	12°32	28°58	25°34	9°58	8°27	26°51	16°48	S 23
S 24	16 5 47	2°46'48	3 ^{II} 12	24°44	2°39	16°38	1°25	7°57	12°29	29° 0	25°33	9°52	8°24	26°58	16°52	S 24
M 25	16 9 44	3°44'34	18°27	26°50	3°51	17°24	1°30	7°59	12°27	29° 2	25°32	9°44	8°21	27° 4	16°56	M 25
T 26	16 13 41	4°42'19	3 ⁸ 31	28°57	5° 3	18° 9	1°35	8° 1	12°25	29° 4	25°31	9°36	8°18	27°11	17° 0	T 26
W 27	16 17 37	5°40'03	18°14	1 ^{II} 6	6°15	18°55	1°40	8° 4	12°22	29° 6	25°29	9°28	8°15	27°18	17° 3	W 27
T 28	16 21 34	6°37'45	2 ^{II} 31	3°16	7°27	19°40	1°46	8° 6	12°20	29° 8	25°28	9°22	8°11	27°24	17° 7	T 28
F 29	16 25 30	7°35'26	16°19	5°26	8°39	20°26	1°51	8° 8	12°18	29°10	25°27	9°18	8° 8	27°31	17°11	F 29
S 30	16 29 27	8°33'05	29°38	7°38	9°51	21°11	1°57	8°10	12°16	29°12	25°26	9°16	8° 5	27°38	17°15	S 30
S 31	16 33 23	9 ^{II} 30'43	12 ^{III} 31	9 ^{II} 49	11 ⁸ 3	21 ^Y 56	2 ^{III} 3	8 [✠] 12	12 ^{III} 14	29 ^{II} 14	25 ^Δ 25	9°D16	8 ^Y 2	27 ^{III} 44	17 ⁸ 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	decl	lat
F 1	14n58	23n 1	4n41	3n16	2s51	21n39	0n35	1s35	1s17	12n27	1n11	10s22	1s23	15s27	0n26	22n12	1s12	6n25	17n40	4n16	3n48	22s22	14n54	1s35							
S 2	15 16	18 31	4 2	3 47	2 51	21 55	0 38	1 16	1 17	12 26	1 11	10 21	1 24	15 26	0 26	22 12	1 12	6 26	17 40	4 16	3 47	22 24	14 55	1 36							
S 3	15 34	13 18	3 12	4 20	2 50	22 10	0 41	0 58	1 17	12 26	1 11	10 19	1 24	15 25	0 26	22 12	1 12	6 26	17 40	4 16	3 46	22 26	14 56	1 36							
M 4	15 51	7 39	2 13	4 53	2 49	22 24	0 43	0 40	1 17	12 25	1 11	10 18	1 24	15 24	0 26	22 12	1 12	6 26	17 39	4 17	3 45	22 29	14 57	1 36							
T 5	16 9	1 49	1 9	5 28	2 47	22 38	0 46	0 21	1 17	12 25	1 10	10 17	1 24	15 24	0 26	22 12	1 12	6 27	17 39	4 18	3 43	22 31	14 58	1 36							
W 6	16 26	3s59	0 4	6 4	2 45	22 51	0 48	0 3	1 17	12 24	1 10	10 15	1 24	15 23	0 26	22 12	1 12	6 27	17 39	4 18	3 42	22 33	14 59	1 36							
T 7	16 43	9 36	1s 2	6 40	2 42	23 4	0 51	0n16	1 17	12 23	1 10	10 14	1 25	15 22	0 26	22 12	1 12	6 27	17 39	4 18	3 41	22 35	15 1	1 36							
F 8	16 59	14 49	2 3	7 18	2 39	23 16	0 54	0 34	1 17	12 22	1 10	10 13	1 25	15 21	0 26	22 12	1 12	6 28	17 39	4 17	3 40	22 38	15 2	1 36							
S 9	17 15	19 28	2 59	7 56	2 35	23 27	0 56	0 52	1 17	12 21	1 10	10 11	1 25	15 21	0 26	22 12	1 12	6 28	17 38	4 15	3 38	22 40	15 3	1 36							
S 10	17 31	23 21	3 47	8 35	2 30	23 37	0 59	1 10	1 17	12 20	1 10	10 10	1 25	15 20	0 26	22 12	1 12	6 28	17 38	4 13	3 37	22 42	15 4	1 36							
M 11	17 47	26 15	4 26	9 15	2 25	23 47	1 1	1 29	1 17	12 19	1 9	10 9	1 25	15 19	0 26	22 13	1 12	6 29	17 38	4 10	3 36	22 44	15 5	1 36							
T 12	18 2	28 1	4 53	9 55	2 20	23 56	1 4	1 47	1 17	12 18	1 9	10 8	1 26	15 18	0 26	22 13	1 12	6 29	17 38	4 7	3 35	22 47	15 6	1 36							
W 13	18 17	28 28	5 7	10 36	2 14	24 5	1 6	2 5	1 17	12 17	1 9	10 7	1 26	15 18	0 26	22 13	1 12	6 29	17 37	4 4	3 33	22 49	15 7	1 36							
T 14	18 32	27 35	5 7	11 17	2 7	24 13	1 8	2 23	1 17	12 16	1 9	10 6	1 26	15 17	0 26	22 13	1 12	6 30	17 37	4 2	3 32	22 51	15 8	1 36							
F 15	18 46	25 22	4 54	11 59	2 0	24 20	1 11	2 42	1 16	12 15	1 9	10 5	1 26	15 16	0 26	22 13	1 12	6 30	17 37	4 0	3 31	22 53	15 9	1 37							
S 16	19 1	21 54	4 27	12 41	1 53	24 27	1 13	3 0	1 16	12 13	1 9	10 4	1 26	15 15	0 26	22 13	1 12	6 30	17 37	3 59	3 30	22 55	15 10	1 37							
S 17	19 14	17 20	3 46	13 23	1 45	24 32	1 15	3 18	1 16	12 12	1 9	10 3	1 27	15 15	0 26	22 13	1 12	6 30	17 36	3 58	3 28	22 58	15 11	1 37							
M 18	19 28	11 52	2 52	14 6	1 37	24 37	1 17	3 36	1 16	12 10	1 8	10 2	1 27	15 14	0 26	22 13	1 12	6 30	17 36	3 58	3 27	23 0	15 12	1 37							
T 19	19 41	5 42	1 47	14 48	1 28	24 42	1 20	3 54	1 16	12 9	1 8	10 1	1 27	15 13	0 26	22 13	1 11	6 31	17 36	3 59	3 26	23 2	15 13	1 37							
W 20	19 54	0n57	0 34	15 31	1 19	24 45	1 22	4 12	1 16	12 7	1 8	10 0	1 27	15 12	0 26	22 13	1 11	6 31	17 35	3 59	3 25	23 4	15 14	1 37							
T 21	20 6	7 45	0n43	16 13	1 10	24 48	1 24	4 29	1 16	12 6	1 8	9 59	1 27	15 12	0 26	22 13	1 11	6 31	17 35	3 59	3 23	23 6	15 15	1 37							
F 22	20 18	14 19	2 0	16 55	1 0	24 51	1 26	4 47	1 15	12 4	1 8	9 58	1 28	15 11	0 26	22 13	1 11	6 31	17 35	3 58	3 22	23 8	15 16	1 37							
S 23	20 30	20 11	3 9	17 36	0 50	24 52	1 28	5 5	1 15	12 2	1 8	9 57	1 28	15 10	0 26	22 13	1 11	6 31	17 34	3 57	3 21	23 11	15 17	1 37							
S 24	20 41	24 48	4 6	18 17	0 40	24 53	1 30	5 23	1 15	12 0	1 8	9 57	1 28	15 10	0 26	22 13	1 11	6 31	17 34	3 54	3 20	23 13	15 18	1 37							
M 25	20 53	27 39	4 45	18 57	0 29	24 53	1 32	5 40	1 15	11 59	1 7	9 56	1 28	15 9	0 26	22 13	1 11	6 31	17 34	3 51	3 18	23 15	15 19	1 37							
T 26	21 3	28 26	5 4	19 36	0 19	24 53	1 34	5 58	1 15	11 57	1 7	9 55	1 28	15 8	0 26	22 13	1 11	6 31	17 33	3 48	3 17	23 17	15 20	1 38							
W 27	21 14	27 10	5 2	20 13	0 8	24 51	1 35	6 15	1 14	11 55	1 7	9 55	1 29	15 8	0 26	22 13	1 11	6 31	17 33	3 45	3 16	23 19	15 21	1 38							
T 28	21 23	24 8	4 41	20 49	0n 2	24 49	1 37	6 33	1 14	11 53	1 7	9 54	1 29	15 7	0 26	22 13	1 11	6 31	17 32	3 42	3 15	23 21	15 22	1 38							
F 29	21 33	19 49	4 5	21 24	0 13	24 46	1 39	6 50	1 14	11 51	1 7	9 53	1 29	15 6	0 26	22 13	1 11	6 32	17 32	3 41	3 13	23 23	15 23	1 38							
S 30	21 42	14 38	3 16	21 56	0 23	24 43	1 40	7 7	1 14	11 48	1 7	9 53	1 29	15 6	0 26	22 13	1 11	6 32	17 32	3 40	3 12	23 25	15 24	1 38							
S 31	21n51	8n59	2n18	22n27	0n33	24n39	1n42	7n24	1s13	11n46	1n 7	9s52	1s30	15s 5	0n26	22n13	1s11	6n32	17n31	3n40	3n11	23s28	15n25	1s38							

ASTRODIENST EPHEMERIS for the year 2229

geocentric

JUNE 2229

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 37 20	10 ^{II} 28'19	25 ^{III} 2	12 ^{II} 1	12 ^{III} 14	22 ^V 42	2 ^{III} 8	8 ^{II} 14	12°R11	29 ^{II} 16	25°R24	9°V16	7°V59	27 ^{III} 51	17 ^{III} 22	M 1
T 2	16 41 16	11°25'53	7 ^{II} 16	14°13	13°26	23°27	2°15	8°15	12 ^{III} 9	29°19	25 ^{II} 23	9°R17	7°56	27°58	17°26	T 2
W 3	16 45 13	12°23'26	19°17	16°25	14°38	24°12	2°21	8°17	12° 7	29°21	25°22	9°16	7°52	28° 5	17°30	W 3
T 4	16 49 10	13°20'58	1 ^{III} 11	18°36	15°49	24°57	2°27	8°18	12° 5	29°23	25°21	9°14	7°49	28°11	17°33	T 4
F 5	16 53 6	14°18'29	13° 1	20°45	17° 1	25°42	2°33	8°20	12° 3	29°25	25°20	9° 9	7°46	28°18	17°37	F 5
S 6	16 57 3	15°15'59	24°50	22°54	18°12	26°27	2°40	8°21	12° 1	29°27	25°19	9° 2	7°43	28°25	17°40	S 6
S 7	17 0 59	16°13'27	6 ^{II} 41	25° 1	19°23	27°12	2°47	8°22	11°59	29°29	25°18	8°52	7°40	28°31	17°44	S 7
M 8	17 4 56	17°10'55	18°36	27° 7	20°35	27°57	2°54	8°23	11°57	29°32	25°17	8°40	7°37	28°38	17°48	M 8
T 9	17 8 52	18° 8'21	0 ^{III} 37	29°11	21°46	28°42	3° 1	8°24	11°55	29°34	25°16	8°28	7°33	28°45	17°51	T 9
W10	17 12 49	19° 5'47	12°43	1 ^{III} 13	22°57	29°27	3° 8	8°25	11°53	29°36	25°15	8°16	7°30	28°51	17°55	W10
T 11	17 16 46	20° 3'12	24°58	3°13	24° 8	0 ^{III} 12	3°15	8°26	11°52	29°38	25°15	8° 5	7°27	28°58	17°58	T 11
F 12	17 20 42	21° 0'36	7 ^{II} 22	5°11	25°19	0°57	3°22	8°27	11°50	29°40	25°14	7°56	7°24	29° 5	18° 2	F 12
S 13	17 24 39	21°57'59	19°57	7° 6	26°30	1°41	3°30	8°28	11°48	29°43	25°13	7°49	7°21	29°11	18° 5	S 13
S 14	17 28 35	22°55'22	2 ^{II} 46	8°59	27°41	2°26	3°38	8°28	11°46	29°45	25°12	7°46	7°17	29°18	18° 8	S 14
M15	17 32 32	23°52'45	15°52	10°50	28°52	3°11	3°45	8°29	11°45	29°47	25°12	7°44	7°14	29°25	18°12	M15
T 16	17 36 28	24°50'06	29°17	12°38	0 ^{III} 3	3°55	3°53	8°29	11°43	29°49	25°11	7°D44	7°11	29°32	18°15	T 16
W17	17 40 25	25°47'28	13°V 4	14°24	1°13	4°40	4° 1	8°29	11°41	29°52	25°10	7°R44	7° 8	29°38	18°19	W17
T 18	17 44 21	26°44'49	27°15	16° 7	2°24	5°24	4° 9	8°29	11°40	29°54	25°10	7°43	7° 5	29°45	18°22	T 18
F 19	17 48 18	27°42'09	11 ^{III} 48	17°48	3°35	6° 8	4°18	8°R29	11°38	29°56	25° 9	7°40	7° 2	29°52	18°25	F 19
S 20	17 52 15	28°39'30	26°39	19°26	4°45	6°53	4°26	8°29	11°37	29°58	25° 9	7°34	6°58	29°58	18°28	S 20
S 21	17 56 11	29°36'50	11 ^{II} 44	21° 2	5°55	7°37	4°34	8°29	11°36	0 ^{III} 1	25° 8	7°26	6°55	0 ^{III} 5	18°32	S 21
M22	18 0 8	0 ^{III} 34'09	26°52	22°35	7° 6	8°21	4°43	8°29	11°34	0° 3	25° 8	7°16	6°52	0°12	18°35	M22
T 23	18 4 4	1°31'28	11 ^{III} 53	24° 6	8°16	9° 5	4°52	8°28	11°33	0° 5	25° 7	7° 5	6°49	0°18	18°38	T 23
W24	18 8 1	2°28'47	26°37	25°34	9°26	9°49	5° 0	8°28	11°31	0° 7	25° 7	6°54	6°46	0°25	18°41	W24
T 25	18 11 57	3°26'05	10 ^{III} 58	26°59	10°36	10°33	5° 9	8°27	11°30	0°10	25° 7	6°45	6°43	0°32	18°44	T 25
F 26	18 15 54	4°23'22	24°50	28°22	11°47	11°17	5°18	8°27	11°29	0°12	25° 6	6°39	6°39	0°39	18°47	F 26
S 27	18 19 50	5°20'38	8 ^{III} 14	29°42	12°56	12° 1	5°28	8°26	11°28	0°14	25° 6	6°35	6°36	0°45	18°50	S 27
S 28	18 23 47	6°17'54	21°10	0 ^{III} 59	14° 6	12°45	5°37	8°25	11°27	0°16	25° 6	6°33	6°33	0°52	18°53	S 28
M29	18 27 44	7°15'09	3 ^{II} 42	2°14	15°16	13°28	5°46	8°24	11°26	0°18	25° 6	6°33	6°30	0°59	18°56	M29
T 30	18 31 40	8° ^{III} 2'23	15 ^{II} 57	3 ^{III} 26	16° ^{III} 26	14° ^{III} 12	5° ^{III} 55	8° ^{II} 23	11 ^{III} 25	0 ^{III} 21	25° ^{II} 5	6°V33	6°V27	1° ^{II} 5	18° ^{III} 59	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	22n 0	3n 8	1n15	22n55	0n43	24n34	1n43	7n41	1s13	11n44	1n 6	9s52	1s30	15s 4	0n26	22n13	1s11	6n31	17n31	3n40	3n10	23s30	15n26	1s38			
T 2	22 8	2s43	0 11	23 21	0 53	24 28	1 45	7 58	1 13	11 42	1 6	9 51	1 30	15 4	0 25	22 13	1 11	6 31	17 30	3 40	3 8	23 32	15 26	1 38			
W 3	22 15	8 22	0s53	23 45	1 2	24 22	1 46	8 15	1 13	11 39	1 6	9 51	1 30	15 3	0 25	22 13	1 11	6 31	17 30	3 40	3 7	23 34	15 27	1 38			
T 4	22 23	13 39	1 54	24 6	1 11	24 15	1 48	8 32	1 12	11 37	1 6	9 51	1 30	15 2	0 25	22 14	1 11	6 31	17 29	3 39	3 6	23 36	15 28	1 39			
F 5	22 29	18 25	2 50	24 24	1 19	24 8	1 49	8 48	1 12	11 35	1 6	9 50	1 31	15 2	0 25	22 14	1 11	6 31	17 29	3 37	3 5	23 38	15 29	1 39			
S 6	22 36	22 28	3 37	24 40	1 26	23 59	1 50	9 5	1 12	11 32	1 6	9 50	1 31	15 1	0 25	22 14	1 11	6 31	17 29	3 34	3 3	23 40	15 30	1 39			
S 7	22 42	25 36	4 16	24 52	1 33	23 51	1 51	9 21	1 11	11 29	1 6	9 50	1 31	15 1	0 25	22 14	1 11	6 31	17 28	3 31	3 2	23 42	15 31	1 39			
M 8	22 48	27 38	4 43	25 2	1 39	23 41	1 52	9 38	1 11	11 27	1 5	9 50	1 31	15 0	0 25	22 14	1 11	6 31	17 28	3 26	3 1	23 44	15 32	1 39			
T 9	22 53	28 23	4 59	25 10	1 45	23 31	1 53	9 54	1 11	11 24	1 5	9 49	1 32	15 0	0 25	22 14	1 11	6 31	17 27	3 21	3 0	23 46	15 33	1 39			
W10	22 58	27 47	5 0	25 14	1 50	23 20	1 54	10 10	1 10	11 22	1 5	9 49	1 32	14 59	0 25	22 14	1 11	6 31	17 27	3 16	2 58	23 48	15 34	1 39			
T 11	23 2	25 51	4 49	25 16	1 54	23 8	1 54	10 26	1 10	11 19	1 5	9 49	1 32	14 58	0 25	22 14	1 11	6 30	17 26	3 12	2 57	23 50	15 34	1 39			
F 12	23 6	22 39	4 23	25 16	1 57	22 56	1 55	10 42	1 10	11 16	1 5	9 49	1 32	14 58	0 25	22 14	1 11	6 30	17 26	3 8	2 56	23 52	15 35	1 40			
S 13	23 10	18 22	3 44	25 13	2 0	22 43	1 56	10 58	1 9	11 13	1 5	9 49	1 32	14 57	0 25	22 14	1 11	6 30	17 25	3 6	2 55	23 54	15 36	1 40			
S 14	23 13	13 11	2 54	25 8	2 1	22 30	1 56	11 14	1 9	11 10	1 5	9 49	1 33	14 57	0 25	22 14	1 11	6 30	17 25	3 5	2 53	23 56	15 37	1 40			
M15	23 16	7 18	1 53	25 0	2 2	22 16	1 57	11 29	1 8	11 7	1 5	9 49	1 33	14 56	0 25	22 14	1 11	6 30	17 24	3 4	2 52	23 58	15 38	1 40			
T 16	23 19	0 58	0 45	24 51	2 3	22 1	1 57	11 45	1 8	11 4	1 4	9 49	1 33	14 56	0 25	22 14	1 11	6 29	17 24	3 4	2 51	24 0	15 38	1 40			
W17	23 21	5n35	0n28	24 39	2 2	21 46	1 57	12 0	1 8	11 1	1 4	9 49	1 33	14 56	0 25	22 14	1 11	6 29	17 23	3 4	2 50	24 2	15 39	1 40			
T 18	23 22	12 3	1 41	24 26	2 1	21 30	1 57	12 15	1 7	10 58	1 4	9 49	1 34	14 55	0 25	22 14	1 11	6 29	17 23	3 3	2 48	24 4	15 40	1 40			
F 19	23 24	18 3	2 50	24 12	1 59	21 14	1 57	12 30	1 7	10 55	1 4	9 50	1 34	14 55	0 25	22 14	1 11	6 29	17 22	3 2	2 47	24 6	15 41	1 41			
S 20	23 24	23 5	3 48	23 55	1 56	20 57	1 57	12 45	1 6	10 52	1 4	9 50	1 34	14 54	0 25	22 14	1 11	6 28	17 22	3 0	2 46	24 8	15 42	1 41			
S 21	23 25	26 39	4 31	23 38	1 53	20 40	1 57	13 0	1 6	10 49	1 4	9 50	1 34	14 54	0 25	22 14	1 11	6 28	17 21	2 57	2 45	24 10	15 42	1 41			
M22	23 25	28 18	4 56	23 18	1 49	20 22	1 57	13 14	1 5	10 46	1 4	9 50	1 34	14 53	0 25	22 14	1 11	6 28	17 21	2 53	2 43	24 12	15 43	1 41			
T 23	23 24	27 51	4 59	22 58	1 44	20 4	1 57	13 29	1 5	10 42	1 4	9 51	1 35	14 53	0 25	22 14	1 11	6 27	17 20	2 48	2 42	24 14	15 44	1 41			
W24	23 23	25 26	4 43	22 37	1 38	19 45	1 57	13 43	1 5	10 39	1 4	9 51	1 35	14 53	0 25	22 14	1 11	6 27	17 20	2 44	2 41	24 16	15 44	1 41			
T 25	23 22	21 27	4 9	22 15	1 32	19 25	1 56	13 57	1 4	10 36	1 3	9 52	1 35	14 52	0 25	22 14	1 11	6 26	17 19	2 41	2 40	24 18	15 45	1 41			
F 26	23 20	16 23	3 21	21 52	1 26	19 5	1 56	14 11	1 4	10 32	1 3	9 52	1 35	14 52	0 25	22 14	1 11	6 26	17 18	2 38	2 38	24 20	15 46	1 42			
S 27	23 18	10 42	2 24	21 28	1 18	18 45	1 55	14 25	1 3	10 29	1 3	9 53	1 36	14 52	0 25	22 14	1 11	6 26	17 18	2 37	2 37	24 22	15 46	1 42			
S 28	23 16	4 44	1 20	21 4	1 10	18 24	1 54	14 39	1 3	10 25	1 3	9 53	1 36	14 51	0 25	22 14	1 11	6 25	17 17	2 36	2 36	24 24	15 47	1 42			
M29	23 13	1s15	0 15	20 39	1 2	18 3	1 53	14 53	1 2	10 22	1 3	9 54	1 36	14 51	0 25	22 14	1 11	6 25	17 17	2 36	2 35	24 26	15 48	1 42			
T 30	23n 9	7s 2	0s50	20n13	0n53	17n41	1n52	15n 6	1 s 2	10n18	1n 3	9s54	1s36	14s51	0n25	22n14	1s11	6n24	17n16	2n36	2n33	24s28	15n48	1s42			

ASTRODIENST EPHEMERIS for the year 2229

geocentric

JULY 2229

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	18 35 37	9°37'	27°58'	4°34'	17°23'	14°56'	6°15'	8°R22	11°R24	0°23'	25°R 5	6°R32	6°Y23	1°12'	19°R 2	W 1
T 2	18 39 33	10° 6'51	9°51'	5°40'	18°45'	15°39'	6°15'	8°H21	11°M23	0°25'	25°A 5	6°Y29	6°20'	1°19'	19° 5	T 2
F 3	18 43 30	11° 4'04	21°40'	6°43'	19°54'	16°23'	6°24'	8°19'	11°22'	0°27'	25° 5	6°24'	6°17'	1°25'	19° 7	F 3
S 4	18 47 26	12° 1'17	3°31'	7°43'	21° 4	17° 6	6°34'	8°18'	11°21'	0°30'	25° 5	6°16'	6°14'	1°32'	19°10	S 4
S 5	18 51 23	12°58'29	15°25'	8°39'	22°13'	17°49'	6°44'	8°16'	11°20'	0°32'	25°D 5	6° 6	6°11'	1°39'	19°13	S 5
M 6	18 55 19	13°55'41	27°26'	9°32'	23°22'	18°32'	6°54'	8°15'	11°19'	0°34'	25° 5	5°53'	6° 8	1°45'	19°15	M 6
T 7	18 59 16	14°52'53	9°35'	10°22'	24°31'	19°15'	7° 4	8°13'	11°19'	0°36'	25° 5	5°40'	6° 4	1°52'	19°18	T 7
W 8	19 3 13	15°50'05	21°54'	11° 8	25°40'	19°58'	7°14'	8°11'	11°18'	0°38'	25° 5	5°27'	6° 1	1°59'	19°21	W 8
T 9	19 7 9	16°47'17	4°22'	11°50'	26°49'	20°41'	7°24'	8° 9	11°18'	0°40'	25° 5	5°16'	5°58'	2° 6	19°23	T 9
F 10	19 11 6	17°44'29	17° 0	12°29'	27°57'	21°24'	7°35'	8° 7	11°17'	0°43'	25° 5	5° 6	5°55'	2°12'	19°26	F 10
S 11	19 15 2	18°41'41	29°50'	13° 3	29° 6	22° 7	7°45'	8° 5	11°17'	0°45'	25° 5	4°59'	5°52'	2°19'	19°28	S 11
S 12	19 18 59	19°38'53	12°51'	13°34'	0°14'	22°50'	7°56'	8° 3	11°16'	0°47'	25° 6	4°55'	5°49'	2°26'	19°30	S 12
M13	19 22 55	20°36'06	26° 5	14° 0	1°23'	23°33'	8° 6	8° 1	11°16'	0°49'	25° 6	4°53'	5°45'	2°32'	19°33	M13
T 14	19 26 52	21°33'19	9°Y34	14°22'	2°31'	24°15'	8°17'	7°59'	11°15'	0°51'	25° 6	4°D53	5°42'	2°39'	19°35	T 14
W15	19 30 48	22°30'32	23°18'	14°40'	3°39'	24°58'	8°28'	7°56'	11°15'	0°53'	25° 6	4°R53	5°39'	2°46'	19°37	W15
T 16	19 34 45	23°27'46	7°B20	14°53'	4°47'	25°40'	8°38'	7°54'	11°15'	0°55'	25° 7	4°53'	5°36'	2°52'	19°40	T 16
F 17	19 38 42	24°25'01	21°39'	15° 1	5°55'	26°23'	8°49'	7°51'	11°15'	0°57'	25° 7	4°50'	5°33'	2°59'	19°42	F 17
S 18	19 42 38	25°22'16	6°II13	15°R 5	7° 3	27° 5	9° 0	7°48'	11°15'	1° 0	25° 8	4°45'	5°29'	3° 6	19°44	S 18
S 19	19 46 35	26°19'32	20°57'	15° 4	8°10'	27°47'	9°11'	7°46'	11°14'	1° 2	25° 8	4°38'	5°26'	3°13'	19°46	S 19
M20	19 50 31	27°16'48	5°D44	14°58'	9°18'	28°29'	9°22'	7°43'	11°D14	1° 4	25° 9	4°29'	5°23'	3°19'	19°48	M20
T 21	19 54 28	28°14'05	20°28'	14°47'	10°25'	29°11'	9°33'	7°40'	11°15'	1° 6	25° 9	4°19'	5°20'	3°26'	19°50	T 21
W22	19 58 24	29°11'22	4°Q59	14°31'	11°32'	29°53'	9°45'	7°37'	11°15'	1° 8	25°10	4°10'	5°17'	3°33'	19°52	W22
T 23	20 2 21	0°Q 8'39	19°10'	14°11'	12°39'	0°II35	9°56'	7°34'	11°15'	1°10	25°10	4° 1	5°14'	3°39'	19°54	T 23
F 24	20 6 18	1° 5'57	2°15'58	13°47'	13°46'	1°17'	10° 7	7°31'	11°15'	1°12	25°11	3°55'	5°10'	3°46'	19°56	F 24
S 25	20 10 14	2° 3'15	16°21'	13°18'	14°53'	1°58'	10°19'	7°28'	11°15'	1°14	25°11	3°52'	5° 7	3°53'	19°57	S 25
S 26	20 14 11	3° 0'33	29°18'	12°46'	16° 0	2°40'	10°30'	7°24'	11°15'	1°16	25°12	3°D50	5° 4	4° 0	19°59	S 26
M27	20 18 7	3°57'52	11°A52	12°10'	17° 6	3°21'	10°42'	7°21'	11°16'	1°18	25°13	3°51'	5° 1	4° 6	20° 1	M27
T 28	20 22 4	4°55'10	24° 9	11°32'	18°13'	4° 3	10°53'	7°18'	11°16'	1°20	25°14	3°51'	4°58'	4°13'	20° 2	T 28
W29	20 26 0	5°52'30	6°II11	10°51'	19°19'	4°44'	11° 5	7°14'	11°17'	1°22	25°14	3°R52	4°55'	4°20'	20° 4	W29
T 30	20 29 57	6°49'49	18° 6	10° 8	20°25'	5°25'	11°17'	7°11'	11°17'	1°23	25°15	3°51'	4°51'	4°26'	20° 5	T 30
F 31	20 33 53	7°Q47'09	29°II57	9°Q25	21°13'31	6°II 6	11°19'29	7°H 7	11°M18	1°25	25°16	3°Y48	4°Y48	4°33'	20°R 7	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	23n 6	12s28	1s51	19n48	0n43	17n19	1n51	15n19	1s 1	10n15	1n 3	9s55	1s36	14s50	0n25	22n14
T 2	23 2	17 23	2 46	19 22	0 33	16 56	1 50	15 33	1 0	10 11	1 3	9 56	1 37	14 50	0 25	22 14
F 3	22 57	21 37	3 34	18 56	0 22	16 33	1 49	15 46	1 0	10 7	1 3	9 56	1 37	14 50	0 25	22 14
S 4	22 52	24 58	4 13	18 30	0 11	16 10	1 48	15 58	0 59	10 4	1 3	9 57	1 37	14 50	0 25	22 14
S 5	22 47	27 16	4 41	18 4	0s 1	15 46	1 46	16 11	0 59	10 0	1 3	9 58	1 37	14 49	0 25	22 14
M 6	22 41	28 20	4 57	17 38	0 13	15 22	1 45	16 23	0 58	9 56	1 2	9 59	1 37	14 49	0 25	22 14
T 7	22 35	28 2	4 59	17 13	0 26	14 57	1 43	16 36	0 58	9 52	1 2	9 59	1 38	14 49	0 25	22 14
W 8	22 28	26 22	4 48	16 48	0 39	14 32	1 41	16 48	0 57	9 48	1 2	10 0	1 38	14 49	0 25	22 14
T 9	22 22	23 24	4 23	16 23	0 52	14 7	1 39	17 0	0 56	9 45	1 2	10 1	1 38	14 49	0 25	22 14
F 10	22 14	19 17	3 44	15 59	1 6	13 42	1 37	17 12	0 56	9 41	1 2	10 2	1 38	14 49	0 25	22 14
S 11	22 7	14 14	2 55	15 36	1 20	13 16	1 35	17 23	0 55	9 37	1 2	10 3	1 39	14 48	0 24	22 14
S 12	21 59	8 29	1 54	15 14	1 34	12 50	1 33	17 35	0 54	9 33	1 2	10 4	1 39	14 48	0 24	22 14
M13	21 50	2 16	0 47	14 53	1 48	12 23	1 31	17 46	0 54	9 29	1 2	10 5	1 39	14 48	0 24	22 14
T 14	21 41	4n10	0n25	14 32	2 3	11 57	1 29	17 57	0 53	9 25	1 2	10 6	1 39	14 48	0 24	22 14
W15	21 32	10 32	1 36	14 13	2 18	11 30	1 26	18 8	0 53	9 21	1 2	10 7	1 39	14 48	0 24	22 14
T 16	21 23	16 31	2 43	13 55	2 32	11 2	1 24	18 19	0 52	9 16	1 2	10 8	1 40	14 48	0 24	22 14
F 17	21 13	21 43	3 41	13 39	2 47	10 35	1 21	18 29	0 51	9 12	1 2	10 9	1 40	14 48	0 24	22 14
S 18	21 2	25 41	4 26	13 24	3 1	10 7	1 18	18 40	0 51	9 8	1 2	10 11	1 40	14 48	0 24	22 14
S 19	20 52	27 59	4 54	13 11	3 16	9 40	1 15	18 50	0 50	9 4	1 1	10 12	1 40	14 48	0 24	22 14
M20	20 41	28 19	5 2	12 59	3 29	9 11	1 12	19 0	0 49	9 0	1 1	10 13	1 40	14 48	0 24	22 14
T 21	20 29	26 39	4 51	12 50	3 43	8 43	1 9	19 10	0 48	8 55	1 1	10 14	1 40	14 48	0 24	22 14
W22	20 18	23 12	4 20	12 42	3 55	8 15	1 6	19 20	0 48	8 51	1 1	10 16	1 41	14 48	0 24	22 14
T 23	20 6	18 27	3 34	12 36	4 7	7 46	1 3	19 29	0 47	8 47	1 1	10 17	1 41	14 48	0 24	22 13
F 24	19 53	12 50	2 37	12 32	4 19	7 17	0 59	19 38	0 46	8 42	1 1	10 18	1 41	14 48	0 24	22 13
S 25	19 41	6 48	1 32	12 31	4 29	6 48	0 56	19 47	0 45	8 38	1 1	10 20	1 41	14 48	0 24	22 13
S 26	19 28	0 39	0 24	12 31	4 37	6 19	0 52	19 56	0 45	8 34	1 1	10 21	1 41	14 49	0 24	22 13
M27	19 14	5s21	0s43	12 34	4 55	5 50	0 49	20 5	0 44	8 29	1 1	10 22	1 42	14 49	0 24	22 13
T 28	19 1	11 0	1 46	12 38	4 51	5 21	0 45	20 13	0 43	8 25	1 1	10 24	1 42	14 49	0 24	22 13
W29	18 47	16 9	2 44	12 45	4 56	4 51	0 41	20 22	0 42	8 20	1 1	10 25	1 42	14 49	0 24	22 13
T 30	18 33	20 37	3 34	12 53	4 58	4 22	0 37	20 30	0 42	8 16	1 1	10 27	1 42	14 49	0 24	22 13
F 31	18n18	24s15	4s14	13n 3	5s 0	3n52	0n33	20n38	0s41	8n11	1n 1	10s28	1s42	14s49	0n24	22n13

Julian Day Number = 2535366.5, Delta T = 194.74 sec

Ecliptic obliquity = 23°24'43", Nutation = - 0°00'02", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°56'52", Lahiri = 27°03'52"

ASTRODIENST EPHEMERIS for the year 2229

geocentric

AUGUST 2229

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 37 50	8♂44'30	11♂50	8♂R42	22♂36	6♂47	11♂40	7♂R 3	11♂18	1♂27	25♂17	3♂R44	4♂Y45	4♂Z40	20♂ 8	S 1
S 2	20 41 47	9°41'51	23°48	7♂59	23°42	7°28	11°52	7♂ 0	11°19	1°29	25°18	3♂Y37	4°42	4°46	20°10	S 2
M 3	20 45 43	10°39'13	5♂55	7°18	24°47	8° 9	12° 4	6°56	11°20	1°31	25°19	3°29	4°39	4°53	20°11	M 3
T 4	20 49 40	11°36'35	18°13	6°38	25°52	8°49	12°16	6°52	11°20	1°33	25°20	3°19	4°35	5° 0	20°12	T 4
W 5	20 53 36	12°33'58	0♂44	6° 2	26°57	9°30	12°28	6°48	11°21	1°35	25°21	3°10	4°32	5° 7	20°13	W 5
T 6	20 57 33	13°31'22	13°28	5°30	28° 1	10°10	12°40	6°44	11°22	1°36	25°22	3° 2	4°29	5°13	20°14	T 6
F 7	21 1 29	14°28'46	26°25	5° 2	29° 6	10°51	12°52	6°40	11°23	1°38	25°23	2°55	4°26	5°20	20°16	F 7
S 8	21 5 26	15°26'12	9♂35	4°38	0♂10	11°31	13° 5	6°36	11°24	1°40	25°24	2°51	4°23	5°27	20°17	S 8
S 9	21 9 22	16°23'38	22°57	4°20	1°14	12°11	13°17	6°32	11°25	1°42	25°25	2°49	4°20	5°33	20°18	S 9
M10	21 13 19	17°21'06	6♂Y29	4° 8	2°18	12°51	13°29	6°28	11°26	1°43	25°26	2°D48	4°16	5°40	20°18	M10
T 11	21 17 16	18°18'35	20°12	4°D 2	3°21	13°31	13°41	6°24	11°27	1°45	25°27	2°49	4°13	5°47	20°19	T 11
W12	21 21 12	19°16'05	4♂ 5	4° 3	4°25	14°11	13°54	6°20	11°28	1°47	25°29	2°50	4°10	5°53	20°20	W12
T 13	21 25 9	20°13'36	18° 8	4°10	5°28	14°51	14° 6	6°15	11°30	1°48	25°30	2°R51	4° 7	6° 0	20°21	T 13
F 14	21 29 5	21°11'09	2♂10	4°25	6°31	15°31	14°18	6°11	11°31	1°50	25°31	2°51	4° 4	6° 7	20°21	F 14
S 15	21 33 2	22° 8'44	16°38	4°46	7°33	16°10	14°31	6° 7	11°32	1°51	25°32	2°48	4° 0	6°14	20°22	S 15
S 16	21 36 58	23° 6'19	1♂ 0	5°14	8°35	16°50	14°43	6° 2	11°34	1°53	25°34	2°45	3°57	6°20	20°23	S 16
M17	21 40 55	24° 3'57	15°22	5°49	9°37	17°29	14°56	5°58	11°35	1°54	25°35	2°39	3°54	6°27	20°23	M17
T 18	21 44 51	25° 1'35	29°39	6°31	10°39	18° 8	15° 8	5°54	11°36	1°56	25°37	2°34	3°51	6°34	20°24	T 18
W19	21 48 48	25°59'15	13♂46	7°20	11°41	18°47	15°21	5°49	11°38	1°57	25°38	2°28	3°48	6°40	20°24	W19
T 20	21 52 45	26°56'56	27°37	8°15	12°42	19°26	15°34	5°45	11°39	1°59	25°39	2°23	3°45	6°47	20°24	T 20
F 21	21 56 41	27°54'39	11♂10	9°17	13°43	20° 5	15°46	5°40	11°41	2° 0	25°41	2°20	3°41	6°54	20°25	F 21
S 22	22 0 38	28°52'22	24°23	10°25	14°43	20°43	15°59	5°36	11°43	2° 2	25°42	2°18	3°38	7° 1	20°25	S 22
S 23	22 4 34	29°50'07	7♂15	11°39	15°44	21°22	16°12	5°31	11°44	2° 3	25°44	2°D18	3°35	7° 7	20°25	S 23
M24	22 8 31	0♂47'53	19°47	12°59	16°44	22° 0	16°24	5°27	11°46	2° 5	25°45	2°19	3°32	7°14	20°25	M24
T 25	22 12 27	1°45'40	2♂ 4	14°24	17°43	22°39	16°37	5°22	11°48	2° 6	25°47	2°21	3°29	7°21	20°25	T 25
W26	22 16 24	2°43'28	14° 7	15°54	18°42	23°17	16°50	5°18	11°50	2° 7	25°49	2°22	3°26	7°27	20°25	W26
T 27	22 20 20	3°41'17	26° 3	17°29	19°41	23°55	17° 3	5°13	11°52	2° 8	25°50	2°24	3°22	7°34	20°25	T 27
F 28	22 24 17	4°39'08	7♂55	19° 8	20°40	24°33	17°16	5° 9	11°54	2°10	25°52	2°R24	3°19	7°41	20°25	F 28
S 29	22 28 14	5°37'00	19°49	20°50	21°38	25°11	17°28	5° 4	11°56	2°11	25°54	2°23	3°16	7°48	20°25	S 29
S 30	22 32 10	6°34'53	1♂49	22°36	22°35	25°48	17°41	4°59	11°58	2°12	25°55	2°21	3°13	7°54	20°24	S 30
M31	22 36 7	7♂32'47	13♂59	24♂25	23♂33	26♂26	17♂54	4♂55	12♂ 0	2°13	25°57	2°Y18	3°Y10	8♂ 1	20♂24	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	18n 3	26s52	4s44	13n15	4s59	3n22	0n29	20n46	0s40	8n 7	1n 1	10s30	1s42	14s50	0n24	22n13
S 2	17 48	28 17	5 1	13 28	4 57	2 53	0 25	20 53	0 39	8 2	1 1	10 31	1 43	14 50	0 24	22 13
M 3	17 33	28 22	5 5	13 43	4 52	2 23	0 20	21 0	0 38	7 58	1 1	10 33	1 43	14 50	0 24	22 13
T 4	17 17	27 3	4 56	13 58	4 47	1 53	0 16	21 8	0 38	7 53	1 1	10 34	1 43	14 50	0 24	22 13
W 5	17 1	24 23	4 31	14 14	4 39	1 23	0 11	21 15	0 37	7 48	1 1	10 36	1 43	14 51	0 24	22 13
T 6	16 45	20 29	3 54	14 31	4 30	0 53	0 7	21 21	0 36	7 44	1 1	10 38	1 43	14 51	0 24	22 13
F 7	16 28	15 34	3 3	14 48	4 19	0 23	0 2	21 28	0 35	7 39	1 1	10 39	1 43	14 51	0 24	22 13
S 8	16 11	9 51	2 2	15 5	4 7	0s 7	0s 3	21 34	0 34	7 34	1 0	10 41	1 43	14 52	0 24	22 13
S 9	15 54	3 37	0 53	15 21	3 54	0 36	0 8	21 41	0 33	7 30	1 0	10 42	1 44	14 52	0 24	22 13
M10	15 37	2n53	0n20	15 38	3 40	1 6	0 13	21 47	0 32	7 25	1 0	10 44	1 44	14 52	0 24	22 13
T 11	15 19	9 19	1 33	15 54	3 25	1 36	0 18	21 52	0 32	7 20	1 0	10 46	1 44	14 53	0 24	22 13
W12	15 2	15 24	2 41	16 9	3 10	2 6	0 23	21 58	0 31	7 15	1 0	10 47	1 44	14 53	0 24	22 13
T 13	14 44	20 44	3 41	16 23	2 53	2 36	0 28	22 4	0 30	7 11	1 0	10 49	1 44	14 53	0 23	22 13
F 14	14 25	24 58	4 27	16 36	2 37	3 6	0 33	22 9	0 29	7 6	1 0	10 51	1 44	14 54	0 23	22 13
S 15	14 7	27 41	4 58	16 47	2 20	3 35	0 39	22 14	0 28	7 1	1 0	10 53	1 44	14 54	0 23	22 13
S 16	13 48	28 34	5 10	16 57	2 3	4 5	0 44	22 19	0 27	6 56	1 0	10 54	1 44	14 55	0 23	22 13
M17	13 29	27 32	5 2	17 5	1 46	4 34	0 50	22 23	0 26	6 51	1 0	10 56	1 45	14 55	0 23	22 13
T 18	13 10	24 42	4 36	17 11	1 29	5 4	0 55	22 28	0 25	6 46	1 0	10 58	1 45	14 56	0 23	22 12
W19	12 51	20 24	3 53	17 15	1 13	5 33	1 1	22 32	0 24	6 42	1 0	10 59	1 45	14 56	0 23	22 12
T 20	12 31	15 4	2 58	17 16	0 56	6 2	1 7	22 36	0 23	6 37	1 0	11 1	1 45	14 57	0 23	22 12
F 21	12 11	9 6	1 53	17 16	0 41	6 31	1 13	22 40	0 22	6 32	1 0	11 3	1 45	14 57	0 23	22 12
S 22	11 51	2 53	0 43	17 12	0 25	7 0	1 19	22 44	0 21	6 27	1 0	11 5	1 45	14 58	0 23	22 12
S 23	11 31	3s17	0s27	17 6	0 11	7 29	1 25	22 48	0 20	6 22	1 0	11 6	1 45	14 58	0 23	22 12
M24	11 11	9 11	1 34	16 57	0n 3	7 58	1 31	22 51	0 19	6 17	1 0	11 8	1 45	14 59	0 23	22 12
T 25	10 50	14 37	2 36	16 45	0 17	8 26	1 37	22 54	0 18	6 12	1 0	11 10	1 45	14 59	0 23	22 12
W26	10 29	19 23	3 29	16 31	0 29	8 54	1 43	22 57	0 17	6 7	1 0	11 12	1 45	15 0	0 23	22 12
T 27	10 9	23 20	4 13	16 13	0 41	9 22	1 49	23 0	0 16	6 2	1 0	11 13	1 46	15 1	0 23	22 12
F 28	9 48	26 18	4 46	15 53	0 51	9 50	1 55	23 3	0 15	5 57	1 0	11 15	1 46	15 1	0 23	22 12
S 29	9 26	28 7	5 6	15 30	1 1	10 18	2 2	23 5	0 14	5 52	1 0	11 17	1 46	15 2	0 23	22 12
S 30	9 5	28 37	5 14	15 4	1 10	10 46	2 8	23 8	0 13	5 47	1 0	11 19	1 46	15 3	0 23	22 12
M31	8n44	27s46	5s 7	14n35	1n18	11s13	2s14	23n10	0s12	5n42	1n 0	11s20	1s46	15s 3	0n23	22n12

Julian Day Number = 2535397.5, Delta T = 194.84 sec

Ecliptic obliquity = 23°24'43, Nutation = - 0°00'00, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°56'56, Lahiri = 27°03'56

ASTRODIENST EPHEMERIS for the year 2229

geocentric

SEPTEMBER 2229

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 40 3	8 ^h 30'43"	26 ^h 32'23"	26 ^h 01'16"	24 ^h 24'29"	27 ^h 11'3	18 ^h 17'7"	4 ^h 50'50"	12 ^h 11'2"	2 ^h 51'14"	25 ^h 25'59"	2 ^h 01'14"	3 ^h 01'6"	8 ^h 27'8"	20 ^h 02'24"	T 1
W 2	22 44 0	9 ^h 28'40"	9 ^h 33'3	28 ^h 0'9"	25 ^h 25'26"	27 ^h 40'	18 ^h 20'	4 ^h 46'46"	12 ^h 0'4"	2 ^h 15'	26 ^h 0'1"	2 ^h 01'11"	3 ^h 0'3"	8 ^h 14'	20 ^h 02'23"	W 2
T 3	22 47 56	10 ^h 26'38"	22 ^h 0'1"	0 ^h 17'4"	26 ^h 22'	28 ^h 17'	18 ^h 33'	4 ^h 41'	12 ^h 0'6"	2 ^h 17'	26 ^h 0'2"	2 ^h 0'7"	3 ^h 0'0"	8 ^h 21'	20 ^h 02'23"	T 3
F 4	22 51 53	11 ^h 24'38"	5 ^h 16'	2 ^h 0'0"	27 ^h 17'	28 ^h 54'	18 ^h 46'	4 ^h 37'	12 ^h 0'9"	2 ^h 18'	26 ^h 0'4"	2 ^h 0'5"	2 ^h 0'57"	8 ^h 28'	20 ^h 02'22"	F 4
S 5	22 55 49	12 ^h 22'39"	18 ^h 48'	3 ^h 56'	28 ^h 12'	29 ^h 31'	18 ^h 59'	4 ^h 32'	12 ^h 0'11"	2 ^h 19'	26 ^h 0'6"	2 ^h 0'3"	2 ^h 0'54"	8 ^h 34'	20 ^h 02'22"	S 5
S 6	22 59 46	13 ^h 20'42"	2 ^h 01'35"	5 ^h 53'	29 ^h 0'6"	0 ^h 58'8"	19 ^h 12'	4 ^h 28'	12 ^h 0'13"	2 ^h 20'	26 ^h 0'8"	2 ^h 0'D 3"	2 ^h 0'51"	8 ^h 41'	20 ^h 02'21"	S 6
M 7	23 3 43	14 ^h 18'46"	16 ^h 33'	7 ^h 50'	0 ^h 11'0"	0 ^h 44'	19 ^h 25'	4 ^h 23'	12 ^h 0'16"	2 ^h 21'	26 ^h 0'10"	2 ^h 0'3"	2 ^h 0'47"	8 ^h 48'	20 ^h 02'20"	M 7
T 8	23 7 39	15 ^h 16'53"	0 ^h 34'1"	9 ^h 48'	0 ^h 53'	1 ^h 20'	19 ^h 38'	4 ^h 19'	12 ^h 0'18"	2 ^h 21'	26 ^h 0'12"	2 ^h 0'4"	2 ^h 0'44"	8 ^h 55'	20 ^h 02'19"	T 8
W 9	23 11 36	16 ^h 15'01"	14 ^h 53'	11 ^h 45'	1 ^h 46'	1 ^h 57'	19 ^h 51'	4 ^h 15'	12 ^h 0'20"	2 ^h 22'	26 ^h 0'14"	2 ^h 0'6"	2 ^h 0'41"	9 ^h 0'1"	20 ^h 02'19"	W 9
T 10	23 15 32	17 ^h 13'12"	29 ^h 0'8"	13 ^h 41'	2 ^h 38'	2 ^h 33'	20 ^h 0'4"	4 ^h 10'	12 ^h 0'23"	2 ^h 23'	26 ^h 0'16"	2 ^h 0'7"	2 ^h 0'38"	9 ^h 0'8"	20 ^h 02'18"	T 10
F 11	23 19 29	18 ^h 11'24"	13 ^h 11'23"	15 ^h 37'	3 ^h 29'	3 ^h 0'9"	20 ^h 17'	4 ^h 0'6"	12 ^h 0'25"	2 ^h 24'	26 ^h 0'18"	2 ^h 0'R 7"	2 ^h 0'35"	9 ^h 15'	20 ^h 02'17"	F 11
S 12	23 23 25	19 ^h 0'9'39"	27 ^h 0'35"	17 ^h 32'	4 ^h 20'	3 ^h 44'	20 ^h 30'	4 ^h 0'2"	12 ^h 0'28"	2 ^h 25'	26 ^h 0'20"	2 ^h 0'7"	2 ^h 0'32"	9 ^h 21'	20 ^h 02'16"	S 12
S 13	23 27 22	20 ^h 0'7'56"	11 ^h 58'42"	19 ^h 27'	5 ^h 10'	4 ^h 20'	20 ^h 43'	3 ^h 57'	12 ^h 0'31"	2 ^h 26'	26 ^h 0'22"	2 ^h 0'6"	2 ^h 0'28"	9 ^h 28'	20 ^h 02'15"	S 13
M14	23 31 18	21 ^h 0'6'14"	25 ^h 0'42"	21 ^h 20'	6 ^h 0'0"	4 ^h 55'	20 ^h 56'	3 ^h 53'	12 ^h 0'33"	2 ^h 26'	26 ^h 0'24"	2 ^h 0'5"	2 ^h 0'25"	9 ^h 35'	20 ^h 02'13"	M14
T 15	23 35 15	22 ^h 0'4'35"	9 ^h 02'32"	23 ^h 0'13"	6 ^h 48'	5 ^h 30'	21 ^h 0'9"	3 ^h 49'	12 ^h 0'36"	2 ^h 27'	26 ^h 0'26"	2 ^h 0'4"	2 ^h 0'22"	9 ^h 42'	20 ^h 02'12"	T 15
W16	23 39 12	23 ^h 0'2'58"	23 ^h 0'11"	25 ^h 0'4"	7 ^h 36'	6 ^h 0'5"	21 ^h 22'	3 ^h 45'	12 ^h 0'39"	2 ^h 28'	26 ^h 0'28"	2 ^h 0'3"	2 ^h 0'19"	9 ^h 48'	20 ^h 02'11"	W16
T 17	23 43 8	24 ^h 0'1'22"	6 ^h 17'36"	26 ^h 0'55"	8 ^h 24'	6 ^h 40'	21 ^h 35'	3 ^h 41'	12 ^h 0'41"	2 ^h 28'	26 ^h 0'30"	2 ^h 0'2"	2 ^h 0'16"	9 ^h 55'	20 ^h 02'10"	T 17
F 18	23 47 5	24 ^h 59'49"	19 ^h 0'47"	28 ^h 0'44"	9 ^h 10'	7 ^h 15'	21 ^h 48'	3 ^h 36'	12 ^h 0'44"	2 ^h 29'	26 ^h 0'32"	2 ^h 0'1"	2 ^h 0'12"	10 ^h 0'2"	20 ^h 02'0'8"	F 18
S 19	23 51 1	25 ^h 58'17"	2 ^h 24'42"	0 ^h 23'33"	9 ^h 56'	7 ^h 49'	22 ^h 0'1"	3 ^h 32'	12 ^h 0'47"	2 ^h 30'	26 ^h 0'34"	2 ^h 0'D 1"	2 ^h 0'9"	10 ^h 0'8"	20 ^h 02'0'7"	S 19
S 20	23 54 58	26 ^h 56'47"	15 ^h 23'	2 ^h 20'	10 ^h 40'	8 ^h 24'	22 ^h 0'14"	3 ^h 28'	12 ^h 0'50"	2 ^h 30'	26 ^h 0'36"	2 ^h 0'1"	2 ^h 0'6"	10 ^h 15'	20 ^h 02'0'6"	S 20
M21	23 58 54	27 ^h 55'19"	27 ^h 0'48"	4 ^h 0'7"	11 ^h 24'	8 ^h 58'	22 ^h 0'27"	3 ^h 24'	12 ^h 0'53"	2 ^h 31'	26 ^h 0'39"	2 ^h 0'2"	2 ^h 0'3"	10 ^h 22'	20 ^h 02'0'4"	M21
T 22	0 2 51	28 ^h 53'53"	10 ^h 11'1"	5 ^h 52'	12 ^h 0'7"	9 ^h 32'	22 ^h 0'40"	3 ^h 21'	12 ^h 0'56"	2 ^h 31'	26 ^h 0'41"	2 ^h 0'2"	2 ^h 0'0"	10 ^h 29'	20 ^h 02'0'3"	T 22
W23	0 6 47	29 ^h 52'28"	22 ^h 0'3"	7 ^h 36'	12 ^h 49'	10 ^h 0'6"	22 ^h 0'53"	3 ^h 17'	12 ^h 0'59"	2 ^h 32'	26 ^h 0'43"	2 ^h 0'2"	1 ^h 57'	10 ^h 35'	20 ^h 02'0'1"	W23
T 24	0 10 44	0 ^h 25'1'05"	3 ^h 27'58"	9 ^h 19'	13 ^h 30'	10 ^h 39'	23 ^h 0'6"	3 ^h 13'	13 ^h 0'2"	2 ^h 32'	26 ^h 0'45"	2 ^h 0'3"	1 ^h 53'	10 ^h 42'	19 ^h 59'59"	T 24
F 25	0 14 40	1 ^h 49'44"	15 ^h 50'	11 ^h 0'1"	14 ^h 0'9"	11 ^h 12'	23 ^h 0'19"	3 ^h 0'9"	13 ^h 0'5"	2 ^h 32'	26 ^h 0'47"	2 ^h 0'R 3"	1 ^h 50'	10 ^h 49'	19 ^h 59'58"	F 25
S 26	0 18 37	2 ^h 48'25"	27 ^h 0'43"	12 ^h 42'	14 ^h 48'	11 ^h 46'	23 ^h 0'31"	3 ^h 0'6"	13 ^h 0'8"	2 ^h 33'	26 ^h 0'50"	2 ^h 0'D 3"	1 ^h 47'	10 ^h 55'	19 ^h 59'56"	S 26
S 27	0 22 34	3 ^h 47'07"	9 ^h 34'42"	14 ^h 23'	15 ^h 26'	12 ^h 18'	23 ^h 0'44"	3 ^h 0'2"	13 ^h 0'11"	2 ^h 33'	26 ^h 0'52"	2 ^h 0'3"	1 ^h 44'	11 ^h 0'2"	19 ^h 59'54"	S 27
M28	0 26 30	4 ^h 45'51"	21 ^h 52'	16 ^h 0'2"	16 ^h 0'2"	12 ^h 51'	23 ^h 0'57"	2 ^h 59'	13 ^h 0'14"	2 ^h 33'	26 ^h 0'54"	2 ^h 0'3"	1 ^h 41'	11 ^h 0'9"	19 ^h 59'52"	M28
T 29	0 30 27	5 ^h 44'37"	4 ^h 22'16"	17 ^h 40'	16 ^h 37'	13 ^h 24'	24 ^h 0'10"	2 ^h 55'	13 ^h 0'17"	2 ^h 34'	26 ^h 0'56"	2 ^h 0'3"	1 ^h 38'	11 ^h 16'	19 ^h 59'50"	T 29
W30	0 34 23	6 ^h 43'24"	16 ^h 25'58"	19 ^h 24'17"	17 ^h 11'11"	13 ^h 56'56"	24 ^h 17'23"	2 ^h 52'	13 ^h 0'20"	2 ^h 34'	26 ^h 0'59"	2 ^h 0'3"	1 ^h 34'	11 ^h 27'22"	19 ^h 59'48"	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	decl	lat
T 1	8n22	25s32	4s46	14n 4	1n25	11s40	2s21	23n12	0s11	5n37	1n 0	11s22	1s46	15s 4	0n23	22n12	1s12	5n35	16n43	0n53	1n14	26s15	16n 0	1s54					
W 2	8 0	22 0	4 11	13 31	1 30	12 7	2 27	23 14	0 10	5 32	1 0	11 24	1 46	15 5	0 23	22 12	1 12	5 34	16 43	0 52	1 13	26 16	16 0	1 54					
T 3	7 39	17 21	3 23	12 55	1 35	12 33	2 34	23 15	0 9	5 27	1 0	11 25	1 46	15 5	0 23	22 12	1 12	5 33	16 42	0 51	1 12	26 17	15 59	1 54					
F 4	7 17	11 46	2 22	12 18	1 39	12 59	2 41	23 17	0 8	5 22	1 0	11 27	1 46	15 6	0 23	22 12	1 12	5 32	16 42	0 50	1 10	26 19	15 59	1 54					
S 5	6 55	5 32	1 12	11 39	1 43	13 25	2 47	23 18	0 6	5 17	1 0	11 29	1 46	15 7	0 23	22 12	1 12	5 31	16 41	0 49	1 9	26 20	15 59	1 54					
S 6	6 32	1n 4	0n 3	10 58	1 45	13 51	2 54	23 19	0 5	5 12	1 0	11 30	1 46	15 7	0 23	22 12	1 12	5 30	16 41	0 49	1 8	26 22	15 58	1 55					
M 7	6 10	7 43	1 19	10 16	1 46	14 17	3 1	23 20	0 4	5 7	1 0	11 32	1 46	15 8	0 23	22 12	1 12	5 29	16 41	0 49	1 6	26 23	15 58	1 55					
T 8	5 48	14 4	2 32	9 32	1 47	14 42	3 7	23 21	0 3	5 2	1 0	11 34	1 46	15 9	0 23	22 11	1 12	5 28	16 40	0 49	1 5	26 25	15 58	1 55					
W 9	5 25	19 42	3 35	8 48	1 47	15 6	3 14	23 22	0 2	4 57	1 0	11 35	1 46	15 10	0 23	22 11	1 12	5 27	16 40	0 50	1 4	26 26	15 57	1 55					
T 10	5 3	24 15	4 25	8 3	1 46	15 31	3 21	23 23	0 1	4 52	1 0	11 37	1 46	15 10	0 23	22 11	1 12	5 26	16 40	0 50	1 3	26 27	15 57	1 55					
F 11	4 40	27 20	4 59	7 16	1 45	15 55	3 28	23 23	0n 0	4 46	1 0	11 39	1 46	15 11	0 23	22 11	1 12	5 25	16 39	0 50	1 1	26 29	15 56	1 56					
S 12	4 17	28 38	5 15	6 30	1 43	16 19	3 35	23 23	0 2	4 41	1 0	11 40	1 46	15 12	0 23	22 11	1 12	5 24	16 39	0 50	1 0	26 30	15 56	1 56					
S 13	3 54	28 4	5 12	5 43	1 40	16 42	3 41	23 23	0 3	4 36	1 1	11 42	1 46	15 13	0 23	22 11	1 12	5 23	16 39	0 50	0 59	26 32	15 55	1 56					
M14	3 31	25 43	4 50	4 55	1 37	17 5	3 48	23 23	0 4	4 31	1 1	11 43	1 46	15 14	0 23	22 11	1 12	5 22	16 38	0 50	0 58	26 33	15 55	1 56					
T 15	3 8	21 53	4 11	4 8	1 34	17 28	3 55	23 23	0 5	4 26	1 1	11 45	1 46	15 15	0 23	22 11	1 12	5 21	16 38	0 49	0 56	26 34	15 54	1 56					
W16	2 45	16 54	3 19	3 20	1 30	17 51	4 2	23 23	0 6	4 21	1 1	11 46	1 46	15 15	0 23	22 11	1 12	5 20	16 38	0 49	0 55	26 36	15 54	1 57					
T 17	2 22	11 11	2 16	2 32	1 26	18 13	4 9	23 22	0 8	4 16	1 1	11 48	1 46	15 16	0 23	22 11	1 12	5 19	16 37	0 48	0 54	26 37	15 53	1 57					
F 18	1 59	5 4	1 7	1 44	1 21	18 34	4 16	23 22	0 9	4 11	1 1	11 49	1 46	15 17	0 23	22 11	1 12	5 18	16 37	0 48	0 53	26 39	15 53	1 57					
S 19	1 36	1s 8	0s 4	0 57	1 16	18 55	4 22	23 21	0 10	4 6	1 1	11 51	1 46	15 18	0 22	22 11	1 12	5 17	16 37	0 48	0 50	26 40	15 52	1 57					
S 20	1 13	7 11	1 13	0 9	1 11	19 16	4 29	23 20	0 12	4 1	1 1	11 52	1 46	15 19	0 22	22 11	1 12	5 16	16 36	0 48	0 51	26 41	15 52	1 57					
M21	0 50	12 50	2 18	0s38	1 5	19 36	4 36	23 19	0 13	3 56	1 1	11 54	1 46	15 20	0 22	22 11	1 12	5 15	16 36	0 48	0 49	26 43	15 51	1 57					
T 22	0 26	17 53	3 15	1 25	0 59	19 56	4 43	23 18	0 14	3 51	1 1	11 55	1 46	15 21	0 22	22 11	1 12	5 14	16 36	0 48	0 48	26 44	15 51	1 58					
W23	0 3	22 10	4 3	2 12	0 53	20 15	4 49	23 17	0 15	3 45	1 1	11 57	1 46	15 22	0 22	22 11	1 12	5 13	16 36	0 49	0 46	26 45	15 50	1 58					
T 24	0s20	25 30	4 40	2 58	0 47	20 34	4 56	23 16	0 17	3 40	1 1	11 58	1 46	15 23	0 22	22 11	1 12	5 12	16 35	0 49	0 45	26 46	15 49	1 58					
F 25	0 44	27 42	5 4	3 44	0 41	20 53	5 3	23 14	0 18	3 35	1 1	11 59	1 46	15 23	0 22	22 11	1 13	5 11	16 35	0 49	0 44	26 48	15 49	1 58					
S 26	1 7	28 40	5 16	4 30	0 34	21 11	5 9	23 13	0 19	3 30	1 1	12 0	1 46	15 24	0 22	22 11	1 13	5 10	16 35	0 49	0 43	26 49	15 48	1 58					
S 27	1 30	28 17	5 14	5 15	0 27	21 28	5 16	23 11	0 21	3 25	1 1	12 2	1 46	15 25	0 22	22 11	1 13	5 9	16 35	0 49	0 41	26 50	15 47	1 59					
M28	1 53	26 33	4 58	5 59	0 20	21 45	5 22	23 10	0 22	3 20	1 1	12 3	1 46	15 26	0 22	22 11	1 13	5 8	16 35	0 49	0 40	26 52	15 47	1 59					
T 29	2 17	23 31	4 48	6 43	0 13	22 1	5 28	23 8	0 24	3 15	1 1	12 4	1 46	15 27	0 22	22 11	1 13	5 7	16 34	0 49	0 39	26 53	15 46	1 59					
W30	2s40	19s18	2s45	7s27	0n 6	22s17	5s34	23n 6	0n25	3n10	1n 1	12s 5	1s46	15s28	0n22	22n11	1s13	5n 6	16n34	0n49	0n37	26s54	15n45	1s59					

ASTRODIENST EPHEMERIS for the year 2229

geocentric

OCTOBER 2229

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 38 20	7 ^h 42'13"	0 ^h 2	20 ^h 54	17 ^h 43	14 ^h 28	24 ^h 36	2°R48	13 ^h 24	2 ^h 34	27 ^h 1	2°Y 4	1°Y31	11 ^h 29	19°R46	T 1
F 2	0 42 16	8°41'04"	13°28	22°29	18°14	15° 0	24°49	2 ^h 45	13°27	2°34	27° 3	2° 4	1°28	11°36	19°44	F 2
S 3	0 46 13	9°39'57"	27°17	24° 4	18°43	15°31	25° 1	2°42	13°30	2°34	27° 5	2°R 5	1°25	11°42	19°42	S 3
S 4	0 50 9	10°38'51"	11°Y26	25°37	19°11	16° 3	25°14	2°39	13°33	2°34	27° 8	2° 5	1°22	11°49	19°40	S 4
M 5	0 54 6	11°37'48"	25°52	27°10	19°38	16°34	25°27	2°36	13°37	2°34	27°10	2° 4	1°18	11°56	19°38	M 5
T 6	0 58 3	12°36'47"	10 ^h 27	28°42	20° 2	17° 5	25°40	2°33	13°40	2°R34	27°12	2° 3	1°15	12° 3	19°36	T 6
W 7	1 1 59	13°35'47"	25° 7	0 ^h 13	20°25	17°36	25°52	2°30	13°43	2°34	27°15	2° 2	1°12	12° 9	19°33	W 7
T 8	1 5 56	14°34'51"	9 ^h 14	1°43	20°47	18° 6	26° 5	2°27	13°47	2°34	27°17	2° 0	1° 9	12°16	19°31	T 8
F 9	1 9 52	15°33'56"	24°14	3°13	21° 6	18°36	26°18	2°25	13°50	2°34	27°20	1°59	1° 6	12°23	19°29	F 9
S 10	1 13 49	16°33'04"	8 ^h 31	4°41	21°24	19° 6	26°30	2°22	13°54	2°34	27°22	1°58	1° 3	12°29	19°26	S 10
S 11	1 17 45	17°32'14"	22°34	6° 9	21°39	19°36	26°43	2°19	13°57	2°34	27°24	1°D58	0°59	12°36	19°24	S 11
M12	1 21 42	18°31'27"	6 ^h 20	7°36	21°53	20° 5	26°55	2°17	14° 0	2°34	27°27	1°59	0°56	12°43	19°21	M12
T 13	1 25 38	19°30'42"	19°51	9° 2	22° 4	20°34	27° 8	2°15	14° 4	2°34	27°29	2° 0	0°53	12°50	19°19	T 13
W14	1 29 35	20°29'59"	3 ^h 11	10°27	22°14	21° 3	27°20	2°12	14° 7	2°33	27°31	2° 2	0°50	12°56	19°16	W14
T 15	1 33 32	21°29'18"	16° 7	11°51	22°21	21°32	27°33	2°10	14°11	2°33	27°34	2° 3	0°47	13° 3	19°14	T 15
F 16	1 37 28	22°28'39"	28°55	13°14	22°26	22° 0	27°45	2° 8	14°15	2°33	27°36	2°R 3	0°43	13°10	19°11	F 16
S 17	1 41 25	23°28'03"	11 ^h 31	14°36	22°29	22°28	27°58	2° 6	14°18	2°32	27°39	2° 3	0°40	13°16	19° 9	S 17
S 18	1 45 21	24°27'28"	23°56	15°58	22°R29	22°56	28°10	2° 4	14°22	2°32	27°41	2° 2	0°37	13°23	19° 6	S 18
M19	1 49 18	25°26'56"	6 ^h 11	17°18	22°28	23°23	28°22	2° 2	14°25	2°31	27°43	1°59	0°34	13°30	19° 3	M19
T 20	1 53 14	26°26'25"	18°16	18°37	22°23	23°50	28°34	2° 1	14°29	2°31	27°46	1°55	0°31	13°37	19° 1	T 20
W21	1 57 11	27°25'57"	0 ^h 15	19°55	22°17	24°17	28°47	1°59	14°32	2°31	27°48	1°51	0°28	13°43	18°58	W21
T 22	2 1 7	28°25'31"	12° 8	21°11	22° 8	24°43	28°59	1°58	14°36	2°30	27°51	1°46	0°24	13°50	18°55	T 22
F 23	2 5 4	29°25'06"	23°59	22°26	21°56	25° 9	29°11	1°56	14°40	2°29	27°53	1°42	0°21	13°57	18°52	F 23
S 24	2 9 1	0 ^h 24'43"	5 ^h 51	23°40	21°42	25°35	29°23	1°55	14°43	2°29	27°55	1°39	0°18	14° 3	18°50	S 24
S 25	2 12 57	1°24'22"	17°48	24°52	21°26	26° 0	29°35	1°54	14°47	2°28	27°58	1°36	0°15	14°10	18°47	S 25
M26	2 16 54	2°24'03"	29°54	26° 2	21° 7	26°25	29°47	1°52	14°51	2°28	28° 0	1°D35	0°12	14°17	18°44	M26
T 27	2 20 50	3°23'45"	12 ^h 13	27°10	20°46	26°50	29°59	1°51	14°54	2°27	28° 3	1°36	0° 9	14°24	18°41	T 27
W28	2 24 47	4°23'29"	24°51	28°16	20°23	27°14	0 ^h 10	1°50	14°58	2°26	28° 5	1°37	0° 5	14°30	18°38	W28
T 29	2 28 43	5°23'14"	7 ^h 52	29°20	19°58	27°38	0°22	1°50	15° 2	2°25	28° 7	1°38	0° 2	14°37	18°35	T 29
F 30	2 32 40	6°23'01"	21°18	0 ^h 21	19°31	28° 1	0°34	1°49	15° 6	2°25	28°10	1°40	29 ^h 59	14°44	18°32	F 30
S 31	2 36 36	7 ^h 22'50"	5°Y12	1 ^h 20	19 ^h 12	28 ^h 25	0 ^h 46	1 ^h 48	15 ^h 9	2 ^h 24	28 ^h 12	1°R40	29 ^h 56	14 ^h 51	18 ^h 29	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	3s 3	14s 4	2s48	8s 9	0s 1	22s32	5s41	23n 4	0n26	3n 5	1n 1	12s 7	1s46	15s29	0n22	22n11
F 2	3 26	8 3	1 41	8 52	0 8	22 47	5 46	23 2	0 28	3 0	1 2	12 8	1 46	15 30	0 22	22 10
S 3	3 50	1 29	0 27	9 33	0 15	23 1	5 52	23 0	0 29	2 55	1 2	12 9	1 46	15 31	0 22	22 10
S 4	4 13	5n19	0n52	10 14	0 22	23 14	5 58	22 57	0 31	2 50	1 2	12 10	1 46	15 32	0 22	22 10
M 5	4 36	11 58	2 8	10 55	0 30	23 27	6 3	22 55	0 32	2 45	1 2	12 11	1 46	15 33	0 22	22 10
T 6	4 59	18 3	3 17	11 34	0 37	23 39	6 9	22 53	0 34	2 40	1 2	12 12	1 46	15 34	0 22	22 10
W 7	5 22	23 7	4 13	12 13	0 44	23 50	6 14	22 50	0 35	2 35	1 2	12 13	1 46	15 35	0 22	22 10
T 8	5 44	26 42	4 53	12 52	0 51	24 1	6 19	22 48	0 37	2 30	1 2	12 14	1 46	15 36	0 22	22 10
F 9	6 7	28 30	5 13	13 29	0 58	24 10	6 24	22 45	0 38	2 25	1 2	12 15	1 45	15 37	0 22	22 10
S 10	6 30	28 22	5 14	14 6	1 6	24 19	6 28	22 42	0 40	2 20	1 2	12 16	1 45	15 38	0 22	22 10
S 11	6 53	26 23	4 56	14 42	1 13	24 28	6 32	22 40	0 41	2 15	1 2	12 16	1 45	15 39	0 22	22 10
M12	7 15	22 53	4 11	15 17	1 20	24 35	6 36	22 37	0 43	2 10	1 2	12 17	1 45	15 40	0 22	22 10
T 13	7 38	18 12	3 32	15 51	1 26	24 42	6 40	22 34	0 44	2 6	1 2	12 18	1 45	15 41	0 22	22 10
W14	8 0	12 44	2 33	16 25	1 33	24 47	6 43	22 31	0 46	2 1	1 2	12 19	1 45	15 43	0 22	22 10
T 15	8 22	6 48	1 27	16 57	1 40	24 52	6 46	22 29	0 48	1 56	1 3	12 19	1 45	15 44	0 22	22 10
F 16	8 44	0 41	0 17	17 29	1 46	24 56	6 48	22 26	0 49	1 51	1 3	12 20	1 45	15 45	0 22	22 10
S 17	9 6	5s21	0s52	17 0	1 53	24 58	6 50	22 23	0 51	1 46	1 3	12 21	1 45	15 46	0 22	22 10
S 18	9 28	11 6	1 57	18 30	1 59	25 0	6 52	22 20	0 53	1 41	1 3	12 21	1 45	15 47	0 22	22 10
M19	9 50	16 20	2 57	18 59	2 5	25 1	6 53	22 17	0 54	1 37	1 3	12 22	1 45	15 48	0 22	22 10
T 20	10 11	20 53	3 47	19 26	2 11	25 0	6 54	22 14	0 56	1 32	1 3	12 22	1 45	15 49	0 22	22 10
W21	10 33	24 31	4 27	19 53	2 17	24 59	6 54	22 11	0 58	1 27	1 3	12 23	1 44	15 50	0 22	22 10
T 22	10 54	27 5	4 55	20 19	2 22	24 56	6 54	22 8	0 59	1 22	1 3	12 23	1 44	15 51	0 22	22 10
F 23	11 15	28 26	5 10	20 44	2 27	24 52	6 52	22 5	1 1	1 18	1 3	12 24	1 44	15 52	0 22	22 10
S 24	11 36	28 28	5 12	21 7	2 32	24 46	6 51	22 2	1 3	1 13	1 4	12 24	1 44	15 53	0 22	22 10
S 25	11 57	27 11	5 0	21 29	2 36	24 40	6 48	21 59	1 5	1 8	1 4	12 25	1 44	15 54	0 22	22 10
M26	12 18	24 38	4 35	21 50	2 40	24 32	6 45	21 56	1 7	1 4	1 4	12 25	1 44	15 55	0 22	22 10
T 27	12 38	20 55	3 58	22 10	2 44	24 22	6 42	21 53	1 9	0 59	1 4	12 25	1 44	15 57	0 22	22 10
W28	12 58	16 10	3 7	22 29	2 48	24 12	6 37	21 50	1 10	0 55	1 4	12 25	1 44	15 58	0 22	22 10
T 29	13 18	10 34	2 6	22 46	2 51	24 0	6 32	21 47	1 12	0 50	1 4	12 26	1 44	15 59	0 22	22 10
F 30	13 38	4 18	0 56	23 1	2 53	23 46	6 26	21 45	1 14	0 46	1 4	12 26	1 44	16 0	0 22	22 10
S 31	13s58	2n22	0n19	23s15	2s55	23s32	6s19	21n42	1n16	0n41	1n 4	12s26	1s44	16s 1	0n22	22n10

Julian Day Number = 2535458.5, Delta T = 195.03 sec
 Ecliptic obliquity = 23°24'44", Nutation = - 0°00'01", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°57'04", Lahiri = 27°04'05"

ASTRODIENST EPHEMERIS for the year 2229

geocentric

NOVEMBER 2229

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 40 33	8♍22'41	19♋33	2♊15	18°R31	28♎47	0♈57	1°R48	15♍13	2°R23	28♎15	1°R39	29♋53	14♊57	18°R26	S 1
M 2	2 44 30	9°22'34	4♉16	3° 7	17♍59	29°10	1° 9	1♋47	15°17	2♎22	28°17	1°Y36	29°49	15° 4	18♎23	M 2
T 3	2 48 26	10°22'28	19°15	3°55	17°25	29°32	1°20	1°47	15°21	2°21	28°19	1°31	29°46	15°11	18°20	T 3
W 4	2 52 23	11°22'25	4♏21	4°38	16°51	29°53	1°31	1°47	15°24	2°20	28°22	1°25	29°43	15°17	18°17	W 4
T 5	2 56 19	12°22'23	19°24	5°17	16°15	0♏14	1°43	1°D47	15°28	2°20	28°24	1°19	29°40	15°24	18°14	T 5
F 6	3 0 16	13°22'24	4♎16	5°50	15°39	0°35	1°54	1°47	15°32	2°19	28°26	1°13	29°37	15°31	18°11	F 6
S 7	3 4 12	14°22'27	18°48	6°18	15° 3	0°55	2° 5	1°47	15°36	2°18	28°29	1° 9	29°34	15°38	18° 8	S 7
S 8	3 8 9	15°22'32	2♏58	6°39	14°26	1°15	2°16	1°47	15°39	2°17	28°31	1° 6	29°30	15°44	18° 5	S 8
M 9	3 12 5	16°22'38	16°44	6°52	13°49	1°34	2°27	1°47	15°43	2°15	28°33	1°D 6	29°27	15°51	18° 2	M 9
T 10	3 16 2	17°22'47	0♏7	6°R58	13°13	1°53	2°38	1°48	15°47	2°14	28°36	1° 6	29°24	15°58	17°59	T 10
W11	3 19 59	18°22'58	13° 9	6°55	12°38	2°11	2°49	1°48	15°51	2°13	28°38	1° 8	29°21	16° 4	17°56	W11
T 12	3 23 55	19°23'11	25°54	6°44	12° 3	2°29	3° 0	1°49	15°54	2°12	28°40	1°R 9	29°18	16°11	17°53	T 12
F 13	3 27 52	20°23'26	8♎25	6°22	11°30	2°46	3°11	1°50	15°58	2°11	28°43	1° 8	29°15	16°18	17°50	F 13
S 14	3 31 48	21°23'43	20°44	5°51	10°57	3° 3	3°21	1°50	16° 2	2°10	28°45	1° 6	29°11	16°25	17°47	S 14
S 15	3 35 45	22°24'02	2♍54	5°10	10°27	3°19	3°32	1°51	16° 6	2° 9	28°47	1° 2	29° 8	16°31	17°44	S 15
M16	3 39 41	23°24'23	14°58	4°19	9°58	3°34	3°42	1°52	16° 9	2° 7	28°49	0°55	29° 5	16°38	17°41	M16
T 17	3 43 38	24°24'45	26°56	3°18	9°30	3°49	3°52	1°54	16°13	2° 6	28°52	0°46	29° 2	16°45	17°38	T 17
W18	3 47 34	25°25'09	8♊50	2°10	9° 5	4° 4	4° 3	1°55	16°17	2° 5	28°54	0°35	28°59	16°51	17°35	W18
T 19	3 51 31	26°25'35	20°42	0°56	8°42	4°18	4°13	1°56	16°21	2° 4	28°56	0°23	28°55	16°58	17°32	T 19
F 20	3 55 28	27°26'02	2♎33	29♍37	8°21	4°31	4°23	1°58	16°24	2° 2	28°58	0°12	28°52	17° 5	17°29	F 20
S 21	3 59 24	28°26'31	14°26	28°16	8° 2	4°44	4°33	1°59	16°28	2° 1	29° 0	0° 3	28°49	17°12	17°26	S 21
S 22	4 3 21	29°27'01	26°22	26°55	7°46	4°56	4°43	2° 1	16°32	2° 0	29° 3	29♋55	28°46	17°18	17°23	S 22
M23	4 7 17	0♊27'32	8♎26	25°39	7°32	5° 7	4°53	2° 3	16°35	1°58	29° 5	29°50	28°43	17°25	17°20	M23
T 24	4 11 14	1°28'05	20°42	24°28	7°20	5°18	5° 2	2° 4	16°39	1°57	29° 7	29°47	28°40	17°32	17°17	T 24
W25	4 15 10	2°28'38	3♋14	23°25	7°11	5°28	5°12	2° 6	16°43	1°55	29° 9	29°D47	28°36	17°39	17°14	W25
T 26	4 19 7	3°29'13	16° 6	22°31	7° 5	5°37	5°21	2° 9	16°46	1°54	29°11	29°47	28°33	17°45	17°11	T 26
F 27	4 23 3	4°29'49	29°25	21°49	7° 0	5°46	5°31	2°11	16°50	1°52	29°13	29°R48	28°30	17°52	17° 9	F 27
S 28	4 27 0	5°30'26	13♋11	21°18	6°D59	5°54	5°40	2°13	16°54	1°51	29°15	29°47	28°27	17°59	17° 6	S 28
S 29	4 30 57	6°31'04	27°27	20°59	6°59	6° 2	5°49	2°15	16°57	1°49	29°17	29°44	28°24	18° 5	17° 3	S 29
M30	4 34 53	7♊31'44	12♎11	20°D51	7♍ 3	6♏ 8	5♎58	2♋18	17♍ 1	1♎48	29♎19	29♋38	28♋21	18♊12	17♎ 0	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	14s17	9n 7	1n36	23s28	2s56	23s16	6s12	21n39	1n18	0n37	1n 5	12s26	1s43	16s 2	0n22	22n10	1s14	4n39	16n33	0n39	0s 3	27s30	15n19	2s 4							
M 2	14 36	15 33	2 48	23 39	2 57	22 58	6 3	21 36	1 20	0 32	1 5	12 26	1 43	16 3	0 22	22 10	1 14	4 38	16 33	0 38	0 4	27 31	15 18	2 4							
T 3	14 55	21 12	3 49	23 48	2 57	22 40	5 54	21 34	1 22	0 28	1 5	12 26	1 43	16 4	0 22	22 10	1 14	4 38	16 33	0 36	0 5	27 32	15 17	2 4							
W 4	15 14	25 30	4 36	23 55	2 56	22 21	5 44	21 31	1 24	0 23	1 5	12 26	1 43	16 5	0 22	22 10	1 14	4 37	16 33	0 34	0 7	27 33	15 16	2 4							
T 5	15 32	28 1	5 3	24 1	2 54	22 0	5 34	21 29	1 26	0 19	1 5	12 26	1 43	16 6	0 22	22 10	1 14	4 36	16 33	0 31	0 8	27 34	15 15	2 4							
F 6	15 50	28 29	5 9	24 4	2 52	21 39	5 22	21 26	1 28	0 15	1 5	12 26	1 43	16 8	0 22	22 10	1 14	4 36	16 33	0 29	0 9	27 35	15 14	2 4							
S 7	16 8	26 57	4 55	24 5	2 48	21 16	5 10	21 24	1 30	0 10	1 5	12 26	1 43	16 9	0 22	22 10	1 14	4 35	16 33	0 27	0 10	27 36	15 13	2 4							
S 8	16 26	23 44	4 23	24 4	2 43	20 53	4 58	21 22	1 32	0 6	1 6	12 26	1 43	16 10	0 22	22 10	1 14	4 34	16 33	0 26	0 12	27 37	15 12	2 4							
M 9	16 43	19 14	3 37	24 1	2 37	20 30	4 45	21 19	1 34	0 2	1 6	12 25	1 43	16 11	0 22	22 10	1 14	4 34	16 34	0 26	0 13	27 38	15 11	2 4							
T 10	17 0	13 54	2 40	23 54	2 29	20 6	4 31	21 17	1 37	0s 2	1 6	12 25	1 42	16 12	0 22	22 10	1 14	4 33	16 34	0 26	0 14	27 39	15 11	2 5							
W11	17 17	8 5	1 36	23 45	2 21	19 41	4 17	21 15	1 39	0 7	1 6	12 25	1 42	16 13	0 22	22 10	1 14	4 32	16 34	0 27	0 16	27 40	15 10	2 5							
T 12	17 33	2 4	0 28	23 33	2 10	19 17	4 3	21 13	1 41	0 11	1 6	12 24	1 42	16 14	0 22	22 10	1 14	4 32	16 34	0 27	0 17	27 41	15 9	2 5							
F 13	17 50	3s56	0s39	23 17	1 58	18 52	3 48	21 12	1 43	0 15	1 6	12 24	1 42	16 15	0 22	22 10	1 14	4 31	16 34	0 27	0 18	27 42	15 8	2 5							
S 14	18 5	9 41	1 43	22 58	1 44	18 28	3 33	21 10	1 45	0 19	1 6	12 24	1 42	16 16	0 22	22 10	1 14	4 31	16 35	0 26	0 19	27 43	15 7	2 5							
S 15	18 21	15 0	2 42	22 36	1 29	18 4	3 18	21 8	1 48	0 23	1 7	12 23	1 42	16 17	0 22	22 10	1 14	4 30	16 35	0 25	0 21	27 44	15 6	2 5							
M16	18 36	19 42	3 33	22 10	1 12	17 40	3 2	21 7	1 50	0 27	1 7	12 23	1 42	16 18	0 22	22 10	1 14	4 30	16 35	0 22	0 22	27 44	15 5	2 5							
T 17	18 51	23 33	4 13	21 41	0 54	17 17	2 47	21 6	1 52	0 31	1 7	12 22	1 42	16 20	0 22	22 10	1 14	4 29	16 35	0 18	0 23	27 45	15 4	2 5							
W18	19 6	26 24	4 43	21 9	0 35	16 54	2 32	21 5	1 55	0 35	1 7	12 22	1 41	16 21	0 22	22 10	1 14	4 28	16 35	0 14	0 24	27 46	15 3	2 5							
T 19	19 20	28 4	5 0	20 34	0 15	16 32	2 16	21 3	1 57	0 39	1 7	12 21	1 41	16 22	0 22	22 10	1 14	4 28	16 36	0 9	0 26	27 47	15 2	2 5							
F 20	19 34	28 27	5 4	19 57	0n 6	16 11	2 1	21 3	1 59	0 42	1 7	12 20	1 41	16 23	0 22	22 10	1 14	4 27	16 36	0 5	0 27	27 48	15 1	2 5							
S 21	19 47	27 31	4 55	19 19	0 26	15 50	1 46	21 2	2 2	0 46	1 8	12 20	1 41	16 24	0 22	22 10	1 14	4 27	16 36	0 1	0 28	27 49	15 1	2 5							
S 22	20 1	25 19	4 33	18 42	0 46	15 31	1 31	21 1	2 4	0 50	1 8	12 19	1 41	16 25	0 22	22 10	1 14	4 27	16 36	0s 2	0 29	27 50	15 0	2 5							
M23	20 13	21 58	3 58	18 5	1 5	15 12	1 16	21 1	2 7	0 54	1 8	12 18	1 41	16 26	0 22	22 10	1 14	4 26	16 37	0 4	0 31	27 50	14 59	2 6							
T 24	20 26	17 37	3 13	17 31	1 23	14 55	1 2	21 1	2 9	0 57	1 8	12 18	1 41	16 27	0 22	22 10	1 14	4 26	16 37	0 5	0 32	27 51	14 58	2 6							
W25	20 38	12 26	2 17	17 1	1 39	14 39	0 48	21 1	2 12	1 1	1 8	12 17	1 41	16 28	0 22	22 10	1 14	4 25	16 37	0 5	0 33	27 52	14 57	2 6							
T 26	20 50	6 35	1 12	16 34	1 53	14 23	0 34	21 1	2 14	1 5	1 9	12 16	1 41	16 29	0 22	22 10	1 14	4 25	16 38	0 5	0 34	27 53	14 56	2 6							
F 27	21 1	0 16	0 2	16 11	2 5	14 9	0 20	21 1	2 17	1 8	1 9	12 15	1 40	16 30	0 22	22 10	1 14	4 24	16 38	0 5	0 36	27 54	14 55	2 6							
S 28	21 12	6n17	1n11	15 54	2 14	13 56	0 7	21 2	2 20	1 12	1 9	12 14	1 40	16 31	0 22	22 10	1 14	4 24	16 38	0 5	0 37	27 54	14 55	2 6							
S 29	21 22	12 45	2 21	15 42	2 22	13 45	0n 6	21 2	2 22	1 15	1 9	12 13	1 40	16 32	0 22	22 10	1 14	4 24	16 39	0 6	0 38	27 55	14 54	2 6							
M30	21s32	18n44	3n25	15s34	2n28	13s34	0n18	21n 3	2n25	1s18	1n 9	12s12	1s40	16s33	0n22	22n10	1s14	4n23	16n39	0s 9	0s40	27s56	14n53	2s 6							

ASTRODIENST EPHEMERIS for the year 2229

geocentric

DECEMBER 2229

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 38 50	8°32'25	27°18	20°54	7°18	6°14	6°17	2°20	17°18	1°46	29°21	29°30	28°17	18°19	16°57	T 1
W 2	4 42 46	9°33'07	12°37	21°08	7°16	6°20	6°16	2°23	17°08	1°45	29°23	29°20	28°14	18°26	16°55	W 2
T 3	4 46 43	10°33'50	27°58	21°31	7°26	6°24	6°25	2°26	17°11	1°43	29°25	29°10	28°11	18°32	16°52	T 3
F 4	4 50 39	11°34'35	13°09	22°02	7°39	6°28	6°33	2°29	17°15	1°42	29°27	28°59	28°08	18°39	16°49	F 4
S 5	4 54 36	12°35'21	28°00	22°41	7°53	6°31	6°42	2°32	17°18	1°40	29°29	28°51	28°05	18°46	16°46	S 5
S 6	4 58 33	13°36'09	12°25	23°27	8°10	6°33	6°50	2°35	17°22	1°39	29°31	28°45	28°01	18°52	16°44	S 6
M 7	5 02 29	14°36'57	26°21	24°19	8°28	6°35	6°58	2°38	17°25	1°37	29°33	28°42	27°58	18°59	16°41	M 7
T 8	5 06 26	15°37'48	9°48	25°16	8°49	6°35	7°06	2°41	17°29	1°35	29°34	28°40	27°55	19°06	16°39	T 8
W 9	5 10 22	16°38'39	22°49	26°18	9°12	6°35	7°14	2°44	17°32	1°34	29°36	28°40	27°52	19°13	16°36	W 9
T 10	5 14 19	17°39'32	5°28	27°24	9°36	6°34	7°22	2°48	17°36	1°32	29°38	28°40	27°49	19°19	16°34	T 10
F 11	5 18 15	18°40'26	17°50	28°33	10°02	6°32	7°30	2°51	17°39	1°31	29°40	28°39	27°46	19°26	16°31	F 11
S 12	5 22 12	19°41'22	29°59	29°45	10°30	6°29	7°38	2°55	17°42	1°29	29°42	28°35	27°42	19°33	16°29	S 12
S 13	5 26 08	20°42'19	12°11	1°00	11°00	6°26	7°45	2°58	17°46	1°27	29°43	28°29	27°39	19°40	16°26	S 13
M14	5 30 05	21°43'17	23°56	2°17	11°31	6°22	7°52	3°02	17°49	1°26	29°45	28°19	27°36	19°46	16°24	M14
T 15	5 34 02	22°44'15	5°49	3°36	12°04	6°16	7°59	3°06	17°52	1°24	29°47	28°06	27°33	19°53	16°22	T 15
W16	5 37 58	23°45'15	17°41	4°57	12°38	6°10	8°06	3°10	17°55	1°22	29°48	27°52	27°30	20°00	16°19	W16
T 17	5 41 55	24°46'16	29°33	6°19	13°13	6°03	8°13	3°14	17°59	1°21	29°50	27°36	27°27	20°06	16°17	T 17
F 18	5 45 51	25°47'18	11°37	7°43	13°50	5°56	8°20	3°18	18°02	1°19	29°51	27°21	27°23	20°13	16°15	F 18
S 19	5 49 48	26°48'20	23°24	9°07	14°28	5°47	8°27	3°22	18°05	1°17	29°53	27°08	27°20	20°20	16°13	S 19
S 20	5 53 44	27°49'23	5°25	10°33	15°08	5°38	8°33	3°26	18°08	1°15	29°54	26°57	27°17	20°27	16°11	S 20
M21	5 57 41	28°50'26	17°34	11°59	15°49	5°27	8°39	3°31	18°11	1°14	29°56	26°49	27°14	20°33	16°09	M21
T 22	6 01 37	29°51'30	29°52	13°26	16°30	5°16	8°46	3°35	18°14	1°12	29°57	26°44	27°11	20°40	16°07	T 22
W23	6 05 34	0°52'34	12°23	14°54	17°13	5°04	8°52	3°40	18°17	1°10	29°59	26°42	27°07	20°47	16°05	W23
T 24	6 09 31	1°53'38	25°11	16°22	17°57	4°51	8°57	3°44	18°20	1°09	0°00	26°42	27°04	20°53	16°03	T 24
F 25	6 13 27	2°54'43	8°21	17°51	18°42	4°38	9°03	3°49	18°23	1°07	0°02	26°42	27°01	21°00	16°01	F 25
S 26	6 17 24	3°55'48	21°56	19°20	19°28	4°23	9°09	3°54	18°26	1°05	0°03	26°41	26°58	21°07	15°59	S 26
S 27	6 21 20	4°56'53	5°59	20°50	20°15	4°08	9°14	3°59	18°29	1°04	0°04	26°38	26°55	21°14	15°58	S 27
M28	6 25 17	5°57'58	20°29	22°20	21°03	3°53	9°19	4°04	18°32	1°02	0°06	26°32	26°52	21°20	15°56	M28
T 29	6 29 13	6°59°04	5°24	23°50	21°52	3°36	9°24	4°08	18°35	1°00	0°07	26°24	26°48	21°27	15°54	T 29
W30	6 33 10	8°0°10	20°36	25°21	22°42	3°19	9°29	4°14	18°38	0°58	0°08	26°14	26°45	21°34	15°53	W30
T 31	6 37 06	9°0°16	5°56	26°52	23°32	3°01	9°34	4°19	18°40	0°57	0°09	26°06	26°42	21°41	15°51	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	21s42	23n41	4n16	15s31	2n32	13s24	0n30	21n4	2n27	1s22	1n9	12s11	1s40	16s34	0n22	22n10
W 2	21s51	27°3	4°49	15°33	2°34	13°16	0°41	21°6	2°30	1°25	1°10	12°10	1°40	16°35	0°22	22°10
T 3	22°0	28°25	5°1	15°38	2°35	13°9	0°53	21°7	2°33	1°28	1°10	12°9	1°40	16°36	0°22	22°10
F 4	22°9	27°37	4°52	15°46	2°34	13°3	1°3	21°9	2°36	1°32	1°10	12°8	1°40	16°37	0°22	22°10
S 5	22°17	24°50	4°24	15°58	2°32	12°58	1°14	21°11	2°38	1°35	1°10	12°7	1°40	16°38	0°22	22°10
S 6	22°24	20°33	3°39	16°12	2°29	12°54	1°23	21°13	2°41	1°38	1°11	12°6	1°39	16°39	0°22	22°10
M 7	22°32	15°16	2°42	16°28	2°26	12°51	1°33	21°15	2°44	1°41	1°11	12°4	1°39	16°40	0°22	22°10
T 8	22°38	9°24	1°38	16°46	2°21	12°49	1°42	21°17	2°47	1°44	1°11	12°3	1°39	16°41	0°22	22°10
W 9	22°45	3°20	0°31	17°6	2°16	12°48	1°51	21°20	2°49	1°47	1°11	12°2	1°39	16°42	0°22	22°10
T 10	22°50	2s43	0s36	17°26	2°11	12°47	1°59	21°23	2°52	1°50	1°11	12°0	1°39	16°43	0°22	22°10
F 11	22°56	8°31	1°39	17°47	2°5	12°48	2°7	21°26	2°55	1°53	1°12	11°59	1°39	16°44	0°22	22°10
S 12	23°1	13°55	2°37	18°9	1°58	12°50	2°14	21°30	2°58	1°55	1°12	11°58	1°39	16°45	0°22	22°10
S 13	23°5	18°43	3°27	18°31	1°52	12°52	2°22	21°33	3°0	1°58	1°12	11°56	1°39	16°46	0°22	22°10
M14	23°9	22°44	4°8	18°53	1°45	12°55	2°28	21°37	3°3	2°1	1°12	11°55	1°39	16°47	0°22	22°10
T 15	23°13	25°48	4°37	19°15	1°37	12°59	2°35	21°41	3°6	2°3	1°12	11°53	1°39	16°48	0°22	22°10
W16	23°16	27°43	4°54	19°37	1°30	13°3	2°41	21°45	3°9	2°6	1°13	11°52	1°38	16°48	0°22	22°10
T 17	23°19	28°23	4°59	19°59	1°22	13°8	2°47	21°50	3°12	2°8	1°13	11°50	1°38	16°49	0°22	22°10
F 18	23°21	27°44	4°50	20°20	1°15	13°14	2°52	21°55	3°15	2°11	1°13	11°49	1°38	16°50	0°22	22°10
S 19	23°22	25°48	4°29	20°41	1°7	13°20	2°57	21°59	3°17	2°13	1°13	11°47	1°38	16°51	0°22	22°10
S 20	23°24	22°41	3°55	21°1	0°59	13°27	3°2	22°4	3°20	2°16	1°14	11°45	1°38	16°52	0°22	22°10
M21	23°24	18°35	3°11	21°21	0°52	13°34	3°7	22°10	3°23	2°18	1°14	11°44	1°38	16°53	0°22	22°10
T 22	23°25	13°38	2°17	21°39	0°44	13°42	3°11	22°15	3°26	2°20	1°14	11°42	1°38	16°54	0°22	22°10
W23	23°25	8°4	1°15	21°57	0°36	13°51	3°15	22°21	3°28	2°22	1°14	11°40	1°38	16°54	0°22	22°10
T 24	23°24	2°2	0°8	22°14	0°29	13°59	3°18	22°26	3°31	2°24	1°15	11°39	1°38	16°55	0°22	22°10
F 25	23°23	4n15	1n1	22°30	0°21	14°8	3°22	22°32	3°34	2°26	1°15	11°37	1°38	16°56	0°22	22°10
S 26	23°21	10°32	2°9	22°45	0°14	14°18	3°25	22°38	3°36	2°28	1°15	11°35	1°38	16°57	0°22	22°10
S 27	23°19	16°31	3°11	22°59	0°6	14°27	3°27	22°44	3°39	2°30	1°15	11°33	1°37	16°58	0°22	22°10
M28	23°17	21°46	4°4	23°12	0s1	14°37	3°30	22°51	3°41	2°32	1°16	11°31	1°37	16°58	0°22	22°10
T 29	23°14	25°47	4°41	23°24	0°8	14°48	3°32	22°57	3°44	2°34	1°16	11°29	1°37	16°59	0°22	22°10
W30	23°10	28°3	4°59	23°35	0°15	14°58	3°34	23°3	3°46	2°35	1°16	11°28	1°37	17°0	0°22	22°10
T 31	23s6	28n12	4n56	23s45	0s22	15s9	3n36	23n10	3n48	2s37	1n16	11s26	1s37	17s1	0n22	22n10

Julian Day Number = 2535519.5, Delta T = 195.23 sec
 Ecliptic obliquity = 23°24'42", Nutation = - 0°00'01", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°57'13", Lahiri = 27°04'13"