



Astrodienst Ephemeris Tables for the year 1632

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 1632

geocentric

JANUARY 1632 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 40 23	10 ³ 12'49	28 ⁷ 32	6 ³ 44	7 ⁷ 45	26 ⁰ R11	10 ⁷ 55	25 ¹¹ 22	24 ⁰ R58	7 ¹¹ 31	22 ⁰ R 2	14 ⁸ 1	12 ⁸ 34	19 ⁸ 30	13 ⁷ 40	T 1
F 2	6 44 19	11 ⁰ 13'59	10 ⁸ 20	8 ⁰ 20	7 ⁵ 57	26 ⁰ Ω 7	11 ⁰ 1	25 ⁰ 28	24 ⁰ 58	7 ³ 33	22 ⁰ Ω 2	14 ⁰ R 2	12 ⁰ 30	19 ⁰ 36	13 ⁰ 40	F 2
S 3	6 48 16	12 ⁰ 15'08	22 ⁰ 6	9 ⁰ 57	8 ⁰ 10	26 ⁰ 2	11 ⁰ 6	25 ⁰ 34	24 ⁰ 58	7 ³ 34	22 ⁰ 1	14 ⁰ 1	12 ⁰ 27	19 ⁰ 43	13 ⁰ 41	S 3
S 4	6 52 12	13 ⁰ 16'17	3 ¹¹ 57	11 ⁰ 34	8 ⁰ 26	25 ⁰ 56	11 ⁰ 12	25 ⁰ 39	24 ⁰ 58	7 ³ 35	22 ⁰ 0	13 ⁰ 59	12 ⁰ 24	19 ⁰ 49	13 ⁰ 41	S 4
M 5	6 56 9	14 ⁰ 17'25	15 ⁰ 56	13 ⁰ 11	8 ⁰ 43	25 ⁰ 50	11 ⁰ 18	25 ⁰ 45	24 ⁰ 58	7 ³ 36	22 ⁰ 0	13 ⁰ 54	12 ⁰ 21	19 ⁰ 56	13 ⁰ 42	M 5
T 6	7 0 5	15 ⁰ 18'33	28 ⁰ 5	14 ⁰ 49	9 ⁰ 3	25 ⁰ 43	11 ⁰ 24	25 ⁰ 50	24 ⁰ 57	7 ³ 37	21 ⁰ 59	13 ⁰ 47	12 ⁰ 18	20 ⁰ 3	13 ⁰ 43	T 6
W 7	7 4 2	16 ⁰ 19'41	10 ⁰ 27	16 ⁰ 28	9 ⁰ 25	25 ⁰ 35	11 ⁰ 31	25 ⁰ 56	24 ⁰ 57	7 ³ 38	21 ⁰ 58	13 ⁰ 37	12 ⁰ 14	20 ⁰ 9	13 ⁰ 43	W 7
T 8	7 7 55	17 ⁰ 20'48	23 ⁰ 1	18 ⁰ 7	9 ⁰ 48	25 ⁰ 27	11 ⁰ 37	26 ⁰ 1	24 ⁰ 56	7 ³ 39	21 ⁰ 58	13 ⁰ 25	12 ⁰ 11	20 ⁰ 16	13 ⁰ 44	T 8
F 9	7 11 55	18 ⁰ 21'55	5 ⁰ 50	19 ⁰ 46	10 ⁰ 13	25 ⁰ 17	11 ⁰ 44	26 ⁰ 6	24 ⁰ 56	7 ³ 40	21 ⁰ 57	13 ⁰ 13	12 ⁰ 8	20 ⁰ 23	13 ⁰ 45	F 9
S 10	7 15 52	19 ⁰ 23'01	18 ⁰ 50	21 ⁰ 26	10 ⁰ 40	25 ⁰ 7	11 ⁰ 50	26 ⁰ 11	24 ⁰ 55	7 ³ 41	21 ⁰ 57	13 ⁰ 2	12 ⁰ 5	20 ⁰ 29	13 ⁰ 46	S 10
S 11	7 19 48	20 ⁰ 24'07	2 ⁰ 3	23 ⁰ 6	11 ⁰ 9	24 ⁰ 56	11 ⁰ 57	26 ⁰ 16	24 ⁰ 55	7 ³ 42	21 ⁰ 56	12 ⁰ 51	12 ⁰ 2	20 ⁰ 36	13 ⁰ 47	S 11
M12	7 23 45	21 ⁰ 25'13	15 ⁰ 26	24 ⁰ 47	11 ⁰ 39	24 ⁰ 44	12 ⁰ 5	26 ⁰ 22	24 ⁰ 54	7 ³ 43	21 ⁰ 56	12 ⁰ 44	11 ⁰ 59	20 ⁰ 43	13 ⁰ 48	M12
T 13	7 27 41	22 ⁰ 26'18	29 ⁰ 0	26 ⁰ 28	12 ⁰ 11	24 ⁰ 31	12 ⁰ 12	26 ⁰ 27	24 ⁰ 53	7 ³ 44	21 ⁰ 55	12 ⁰ 39	11 ⁰ 55	20 ⁰ 49	13 ⁰ 49	T 13
W14	7 31 38	23 ⁰ 27'23	12 ⁰ 43	28 ⁰ 10	12 ⁰ 45	24 ⁰ 18	12 ⁰ 19	26 ⁰ 31	24 ⁰ 53	7 ³ 45	21 ⁰ 55	12 ⁰ 37	11 ⁰ 52	20 ⁰ 56	13 ⁰ 50	W14
T 15	7 35 34	24 ⁰ 28'28	26 ⁰ 38	29 ⁰ 52	13 ⁰ 19	24 ⁰ 3	12 ⁰ 27	26 ⁰ 36	24 ⁰ 52	7 ³ 46	21 ⁰ 54	12 ⁰ D36	11 ⁰ 49	21 ⁰ 3	13 ⁰ 51	T 15
F 16	7 39 31	25 ⁰ 29'32	10 ⁰ 43	1 ⁰ 35	13 ⁰ 56	23 ⁰ 48	12 ⁰ 35	26 ⁰ 41	24 ⁰ 51	7 ³ 47	21 ⁰ 54	12 ⁰ R36	11 ⁰ 46	21 ⁰ 9	13 ⁰ 53	F 16
S 17	7 43 27	26 ⁰ 30'37	24 ⁰ 58	3 ⁰ 18	14 ⁰ 33	23 ⁰ 33	12 ⁰ 43	26 ⁰ 46	24 ⁰ 50	7 ³ 48	21 ⁰ 53	12 ⁰ 36	11 ⁰ 43	21 ⁰ 16	13 ⁰ 54	S 17
S 18	7 47 24	27 ⁰ 31'40	9 ⁰ 21	5 ⁰ 2	15 ⁰ 12	23 ⁰ 16	12 ⁰ 51	26 ⁰ 50	24 ⁰ 49	7 ³ 48	21 ⁰ 53	12 ⁰ 34	11 ⁰ 40	21 ⁰ 23	13 ⁰ 55	S 18
M19	7 51 21	28 ⁰ 32'44	23 ⁰ 49	6 ⁰ 45	15 ⁰ 52	22 ⁰ 59	12 ⁰ 59	26 ⁰ 55	24 ⁰ 48	7 ³ 49	21 ⁰ 53	12 ⁰ 28	11 ⁰ 36	21 ⁰ 29	13 ⁰ 57	M19
T 20	7 55 17	29 ⁰ 33'46	8 ⁰ 31	8 ⁰ 29	16 ⁰ 33	22 ⁰ 41	13 ⁰ 7	27 ⁰ 0	24 ⁰ 47	7 ³ 50	21 ⁰ 52	12 ⁰ 20	11 ⁰ 33	21 ⁰ 36	13 ⁰ 58	T 20
W21	7 59 14	0 ⁰ 34'48	22 ⁰ 41	10 ⁰ 13	17 ⁰ 15	22 ⁰ 23	13 ⁰ 16	27 ⁰ 4	24 ⁰ 46	7 ³ 50	21 ⁰ 52	12 ⁰ 10	11 ⁰ 30	21 ⁰ 42	14 ⁰ 0	W21
T 22	8 3 10	1 ⁰ 35'49	6 ⁰ 51	11 ⁰ 57	17 ⁰ 59	22 ⁰ 4	13 ⁰ 24	27 ⁰ 8	24 ⁰ 44	7 ³ 51	21 ⁰ 52	11 ⁰ 57	11 ⁰ 27	21 ⁰ 49	14 ⁰ 1	T 22
F 23	8 7 7	2 ⁰ 36'49	20 ⁰ 44	13 ⁰ 41	18 ⁰ 43	21 ⁰ 44	13 ⁰ 33	27 ⁰ 13	24 ⁰ 43	7 ³ 51	21 ⁰ 51	11 ⁰ 44	11 ⁰ 24	21 ⁰ 56	14 ⁰ 3	F 23
S 24	8 11 3	3 ⁰ 37'48	4 ⁰ 14	15 ⁰ 25	19 ⁰ 28	21 ⁰ 24	13 ⁰ 42	27 ⁰ 17	24 ⁰ 42	7 ³ 52	21 ⁰ 51	11 ⁰ 33	11 ⁰ 20	22 ⁰ 2	14 ⁰ 5	S 24
S 25	8 15 0	4 ⁰ 38'46	17 ⁰ 21	17 ⁰ 8	20 ⁰ 15	21 ⁰ 3	13 ⁰ 51	27 ⁰ 21	24 ⁰ 41	7 ³ 52	21 ⁰ 51	11 ⁰ 23	11 ⁰ 17	22 ⁰ 9	14 ⁰ 6	S 25
M26	8 18 56	5 ⁰ 39'43	0 ⁰ Y 4	18 ⁰ 50	21 ⁰ 2	20 ⁰ 42	14 ⁰ 0	27 ⁰ 25	24 ⁰ 39	7 ³ 53	21 ⁰ 51	11 ⁰ 16	11 ⁰ 14	22 ⁰ 16	14 ⁰ 8	M26
T 27	8 22 53	6 ⁰ 40'38	12 ⁰ 27	20 ⁰ 32	21 ⁰ 50	20 ⁰ 20	14 ⁰ 10	27 ⁰ 29	24 ⁰ 38	7 ³ 53	21 ⁰ 50	11 ⁰ 12	11 ⁰ 11	22 ⁰ 22	14 ⁰ 10	T 27
W28	8 26 50	7 ⁰ 41'32	24 ⁰ 33	22 ⁰ 12	22 ⁰ 39	19 ⁰ 58	14 ⁰ 19	27 ⁰ 33	24 ⁰ 36	7 ³ 54	21 ⁰ 50	11 ⁰ 10	11 ⁰ 8	22 ⁰ 29	14 ⁰ 12	W28
T 29	8 30 46	8 ⁰ 42'25	6 ⁰ 37	23 ⁰ 51	23 ⁰ 28	19 ⁰ 35	14 ⁰ 29	27 ⁰ 36	24 ⁰ 35	7 ³ 54	21 ⁰ 50	11 ⁰ 9	11 ⁰ 5	22 ⁰ 36	14 ⁰ 14	T 29
F 30	8 34 43	9 ⁰ 43'16	18 ⁰ 16	25 ⁰ 27	24 ⁰ 19	19 ⁰ 12	14 ⁰ 38	27 ⁰ 40	24 ⁰ 33	7 ³ 54	21 ⁰ 50	11 ⁰ 9	11 ⁰ 1	22 ⁰ 42	14 ⁰ 16	F 30
S 31	8 38 39	10 ⁰ 44'06	0 ⁰ II 3	27 ⁰ 31	25 ⁰ 10	18 ⁰ Ω49	14 ⁰ Y48	27 ⁰ 44	24 ⁰ 32	7 ³ 55	21 ⁰ 50	11 ⁰ 8	10 ⁰ Ω58	22 ⁰ 49	14 ⁰ Y18	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 6	9n42	1s22	24s55	1s36	16s59	4n43	16n15	3n39	3n 8	1s18	17s11	2n 1	2n43	0n46	12s22	1n47	4n49	13s56	16n 5	15n38	18n14	6n29	1n11					
F 2	23 1	14 38	0 20	24 53	1 40	16 57	4 47	16 18	3 41	3 10	1 18	17 13	2 1	2 43	0 46	12 22	1 47	4 49	13 56	16 5	15 37	18 17	6 30	1 11					
S 3	22 55	19 2	0n43	24 50	1 44	16 56	4 51	16 22	3 44	3 13	1 18	17 14	2 1	2 43	0 46	12 23	1 47	4 49	13 56	16 5	15 36	18 20	6 30	1 11					
S 4	22 50	22 42	1 45	24 46	1 47	16 55	4 54	16 26	3 46	3 15	1 17	17 15	2 1	2 43	0 46	12 23	1 47	4 50	13 56	16 4	15 35	18 22	6 30	1 10					
M 5	22 43	25 26	2 42	24 40	1 51	16 55	4 57	16 31	3 48	3 18	1 17	17 16	2 1	2 43	0 46	12 23	1 47	4 50	13 55	16 3	15 34	18 25	6 30	1 10					
T 6	22 36	27 1	3 33	24 33	1 54	16 56	4 59	16 35	3 51	3 21	1 17	17 17	2 1	2 43	0 47	12 24	1 47	4 50	13 55	16 0	15 33	18 28	6 30	1 10					
W 7	22 29	27 18	4 14	24 24	1 57	16 57	5 1	16 40	3 53	3 23	1 16	17 19	2 1	2 43	0 47	12 24	1 47	4 50	13 55	15 58	15 33	18 30	6 30	1 10					
T 8	22 22	26 11	4 44	24 13	1 59	16 59	5 3	16 45	3 55	3 26	1 16	17 20	2 2	2 44	0 47	12 24	1 47	4 50	13 55	15 54	15 32	18 33	6 30	1 10					
F 9	22 14	23 42	5 0	24 1	2 1	17 1	5 4	16 50	3 57	3 29	1 16	17 21	2 2	2 44	0 47	12 25	1 47	4 50	13 54	15 50	15 31	18 36	6 30	1 10					
S 10	22 5	19 58	5 1	23 48	2 3	17 4	5 5	16 56	4 0	3 32	1 16	17 22	2 2	2 44	0 47	12 25	1 47	4 50	13 54	15 47	15 30	18 38	6 31	1 10					
S 11	21 56	15 13	4 46	23 32	2 4	17 7	5 5	17 2	4 2	3 35	1 15	17 23	2 2	2 44	0 47	12 25	1 47	4 50	13 54	15 44	15 29	18 41	6 31	1 9					
M12	21 47	9 40	4 45	23 16	2 5	17 11	5 5	17 8	4 4	3 38	1 15	17 24	2 2	2 45	0 47	12 25	1 47	4 51	13 53	15 41	15 28	18 43	6 31	1 9					
T 13	21 37	3 36	3 30	22 57	2 5	17 15	5 5	17 14	4 6	3 41	1 15	17 25	2 2	2 45	0 47	12 26	1 47	4 51	13 53	15 40	15 27	18 46	6 31	1 9					
W14	21 27	2s43	2 32	22 37	2 5	17 20	5 5	17 21	4 8	3 44	1 15	17 26	2 2	2 45	0 47	12 26	1 47	4 51	13 53	15 39	15 26	18 49	6 32	1 9					
T 15	21 16	8 59	1 24	22 15	2 5	17 25	5 4	17 27	4 10	3 47	1 14	17 27	2 2	2 46	0 47	12 26	1 47	4 51	13 53	15 39	15 25	18 51	6 32	1 9					
F 16	21 5	14 54	0 10	21 52	2 4	17 30	5 4	17 34	4 12	3 51	1 14	17 28	2 3	2 46	0 47	12 26	1 47	4 51	13 52	15 39	15 24	18 54	6 32	1 9					
S 17	20 54	20 6	1s 5	21 27	2 3	17 35	5 2	17 41	4 14	3 54	1 14	17 29	2 3	2 47	0 47	12 26	1 48	4 51	13 52	15 39	15 23	18 56	6 33	1 9					
S 18	20 42	24 9	2 17	21 0	2 1	17 41	5 1	17 48	4 15	3 57	1 13	17 30	2 3	2 47	0 47	12 27	1 48	4 52	13 52	15 38	15 22	18 59	6 33	1 8					
M19	20 30	26 40	3 20	20 32	1 59	17 46	4 59	17 56	4 17	4 1	1 13	17 31	2 3	2 47	0 47	12 27	1 48	4 52	13 51	15 37	15 21	19 2	6 34	1 8					
T 20	20 17	27 23	4 10	20 2	1 56	17 52	4 58	18 3	4 19	4 4	1 13	17 32	2 3	2 48	0 47	12 27	1 48	4 52	13 51	15 34	15 20	19 4	6 34	1 8					
W21	20 4	26 14	4 44	19 31	1 52	17 58	4 56	18 11	4 20	4 8	1 13	17 33	2 3	2 48	0 47	12 27	1 48	4 52	13 51	15 31	15 19	19 7	6 35	1 8					
T 22	19 51	23 25	4 59	18 58	1 48	18 4	4 53	18 19	4 22	4 11	1 12	17 34	2 3	2 49	0 47	12 27	1 48	4 52	13 51	15 27	15 18	19 9	6 35	1 8					
F 23	19 37	19 18	4 57	18 24	1 43	18 11	4 51	18 26	4 23	4 15	1 12	17 34	2 3	2 49	0 47	12 27	1 48	4 53	13 50	15 23	15 17	19 12	6 36	1 8					
S 24	19 23	14 17	4 38	17 48	1 38	18 17	4 48	18 34	4 25	4 19	1 12	17 35	2 4	2 50	0 47	12 28	1 48	4 53	13 50	15 20	15 16	19 14	6 36	1 8					
S 25	19 8	8 45	4 4	17 11	1 32	18 23	4 46	18 42	4 26	4 22	1 12	17 36	2 4	2 51	0 47	12 28	1 48	4 53	13 50	15 17	15 15	19 17	6 37	1 8					
M26	18 54	3 1	3 19	16 33	1 25	18 29	4 43	18 50	4 27	4 26	1 11	17 37	2 4	2 51	0 47	12 28	1 48	4 53	13 49	15 14	15 14	19 20	6 37	1 7					
T 27	18 39	2n42	2 26	15 54	1 17	18 35	4 40	18 58	4 28	4 30	1 11	17 37	2 4	2 52	0 47	12 28	1 48	4 54	13 49	15 13	15 13	19 22	6 38	1 7					
W28	18 23	8 11	1 27	15 13	1 9	18 41	4 36	19 7	4 29	4 34	1 11	17 38	2 4	2 52	0 47	12 28	1 48	4 54	13 49	15 13	15 12	19 25	6 38	1 7					
T 29	18 7	13 18	0 25	14 32	1 0	18 47	4 33	19 15	4 30	4 38	1 11	17 39	2 4	2 53	0 47	12 28	1 48	4 54	13 48	15 12	15 11	19 27	6 39	1 7					
F 30	17 51	17 54	0n38	13 51	0 50	18 53	4 30	19 23	4 31	4 42	1 11	17 40	2 5	2 54	0 47	12 28	1 48	4 54	13 48	15 12	15 10	19 30	6 40	1 7					
S 31	17s35	21n48	1n38	13s 9	0s39	18s58	4n26	19n31	4n32	4n46	1s10	17s40	2n 5	2n54	0n47	12s28	1n48	4n55	13s48	15n12	15n 9	19n32	6n40	1n					

ASTRODIENST EPHEMERIS for the year 1632
geocentric

FEBRUARY 1632 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 42 36	11 ⁴⁴ 44'54	11 ^{II} 56	28 ³² 32	26 ²⁷ 2	18°R26	14 ^Y 58	27 ^{II} 47	24°R30	7 ^{II} 55	21°R50	11°R 6	10 ⁸ 55	22 ⁸ 56	14 ^Y 20	S 1
M 2	8 46 32	12°45'41	23°58	29°59	26°55	18 ^{II} 2	15° 8	27°51	24 ^{II} 28	7°55	21 ⁸ 50	11 ⁸ 0	10°52	23° 2	14°22	M 2
T 3	8 50 29	13°46'27	6 ^{II} 15	1 ^{II} 22	27°48	17°39	15°18	27°54	24°27	7°55	21°50	10°52	10°49	23° 9	14°24	T 3
W 4	8 54 25	14°47'11	18°47	2°40	28°42	17°15	15°29	27°57	24°25	7°56	21°50	10°42	10°46	23°16	14°26	W 4
T 5	8 58 22	15°47'54	1 ^{II} 38	3°52	29°37	16°51	15°39	28° 0	24°23	7°56	21°D50	10°29	10°42	23°22	14°29	T 5
F 6	9 2 19	16°48'35	14°46	4°58	0 ^{II} 32	16°27	15°50	28° 3	24°21	7°56	21°50	10°15	10°39	23°29	14°31	F 6
S 7	9 6 15	17°49'15	28°10	5°57	1°27	16° 3	16° 0	28° 6	24°19	7°56	21°50	10° 2	10°36	23°35	14°33	S 7
S 8	9 10 12	18°49'53	11 ^{II} 48	6°48	2°24	15°39	16°11	28° 9	24°17	7°R56	21°50	9°51	10°33	23°42	14°36	S 8
M 9	9 14 8	19°50'30	25°35	7°30	3°20	15°15	16°22	28°12	24°15	7°56	21°50	9°42	10°30	23°49	14°38	M 9
T 10	9 18 5	20°51'06	9 ^{II} 31	8° 3	4°18	14°52	16°33	28°15	24°13	7°56	21°50	9°36	10°26	23°55	14°40	T 10
W11	9 22 1	21°51'40	23°30	8°27	5°16	14°28	16°44	28°17	24°11	7°56	21°50	9°34	10°23	24° 2	14°43	W11
T 12	9 25 58	22°52'13	7 ^{II} 33	8°40	6°14	14° 5	16°55	28°20	24° 9	7°56	21°50	9°D33	10°20	24° 9	14°46	T 12
F 13	9 29 54	23°52'46	21°38	8°R43	7°13	13°42	17° 6	28°22	24° 7	7°56	21°50	9°R33	10°17	24°15	14°48	F 13
S 14	9 33 51	24°53'16	5 ^{II} 43	8°36	8°12	13°19	17°18	28°24	24° 5	7°55	21°51	9°33	10°14	24°22	14°51	S 14
S 15	9 37 48	25°53'46	19°49	8°19	9°11	12°57	17°29	28°27	24° 3	7°55	21°51	9°31	10°11	24°29	14°53	S 15
M16	9 41 44	26°54'15	3 ^{II} 54	7°51	10°11	12°35	17°41	28°29	24° 1	7°55	21°51	9°26	10° 7	24°35	14°56	M16
T 17	9 45 41	27°54'42	17°55	7°15	11°12	12°14	17°53	28°31	23°58	7°55	21°51	9°19	10° 4	24°42	14°59	T 17
W18	9 49 37	28°55'07	1 ^{II} 50	6°31	12°13	11°53	18° 4	28°33	23°56	7°54	21°52	9° 9	10° 1	24°49	15° 2	W18
T 19	9 53 34	29°55'31	15°35	5°40	13°14	11°33	18°16	28°35	23°54	7°54	21°52	8°57	9°58	24°55	15° 5	T 19
F 20	9 57 30	0 ^{II} 55'53	29° 6	4°43	14°15	11°13	18°28	28°36	23°51	7°54	21°52	8°45	9°55	25° 2	15° 7	F 20
S 21	10 1 27	1°56'14	12 ^{II} 20	3°43	15°17	10°54	18°40	28°38	23°49	7°53	21°52	8°34	9°52	25° 9	15°10	S 21
S 22	10 5 23	2°56'33	25°16	2°39	16°19	10°35	18°52	28°39	23°47	7°53	21°53	8°25	9°48	25°15	15°13	S 22
M23	10 9 20	3°56'50	7°Y53	1°35	17°21	10°17	19° 4	28°41	23°44	7°52	21°53	8°18	9°45	25°22	15°16	M23
T 24	10 13 17	4°57'04	20°13	0°32	18°24	10° 0	19°16	28°42	23°42	7°52	21°54	8°14	9°42	25°29	15°19	T 24
W25	10 17 13	5°57'17	2 ^{II} 18	29°30	19°27	9°43	19°29	28°43	23°39	7°51	21°54	8°12	9°39	25°35	15°22	W25
T 26	10 21 10	6°57'28	14°13	28°32	20°30	9°27	19°41	28°45	23°37	7°51	21°54	8°D12	9°36	25°42	15°25	T 26
F 27	10 25 6	7°57'37	26° 2	27°38	21°34	9°12	19°54	28°46	23°35	7°50	21°55	8°13	9°32	25°48	15°29	F 27
S 28	10 29 3	8°57'44	7 ^{II} 50	26°50	22°38	8°57	20° 6	28°46	23°32	7°49	21°55	8°R13	9°29	25°55	15°32	S 28
S 29	10 32 59	9 ^{II} 57'49	19 ^{II} 44	26 ³³ 7	23 ^{II} 42	8 ^{II} 44	20 ^Y 19	28 ^{II} 47	23 ^{II} 30	7 ^{II} 49	21 ⁸ 56	8 ⁸ 13	9 ⁸ 26	26 ⁸ 2	15 ^Y 35	S 29

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	17s18	24n50	2n35	12s26	0s27	19s 4	4n22	19n39	4n32	4n50	1s10	17s41	2n 5	2n55	0n47	12s28	1n48	4n55	13s47	15n11	15n 8	19n35	6n41	1n 7	
M 2	17 1	26 47	3 26	11 44	0 15	19 9	4 18	19 47	4 33	4 54	1 10	17 41	2 5	2 56	0 47	12 28	1 49	4 55	13 47	15 10	15 7	19 37	6 42	1 6	
T 3	16 44	27 28	4 8	11 3	0 2	19 14	4 14	19 54	4 33	4 58	1 10	17 42	2 5	2 56	0 48	12 28	1 49	4 56	13 47	15 7	15 6	19 40	6 42	1 6	
W 4	16 26	26 46	4 39	10 22	0n12	19 19	4 10	20 2	4 33	5 2	1 9	17 43	2 5	2 57	0 48	12 28	1 49	4 56	13 46	15 4	15 5	19 42	6 43	1 6	
T 5	16 8	24 39	4 57	9 42	0 26	19 23	4 6	20 10	4 33	5 7	1 9	17 43	2 5	2 58	0 48	12 28	1 49	4 56	13 46	15 0	15 4	19 45	6 44	1 6	
F 6	15 50	21 12	4 59	9 4	0 41	19 27	4 2	20 17	4 34	5 11	1 9	17 44	2 6	2 59	0 48	12 28	1 49	4 56	13 46	14 56	15 3	19 47	6 45	1 6	
S 7	15 31	16 36	4 45	8 28	0 56	19 31	3 58	20 24	4 33	5 15	1 9	17 44	2 6	2 59	0 48	12 28	1 49	4 57	13 46	14 51	15 2	19 50	6 46	1 6	
S 8	15 13	11 5	4 15	7 55	1 12	19 35	3 53	20 31	4 33	5 19	1 9	17 45	2 6	3 0	0 48	12 28	1 49	4 57	13 45	14 48	15 1	19 52	6 46	1 6	
M 9	14 54	4 58	3 30	7 24	1 28	19 38	3 49	20 38	4 33	5 24	1 8	17 45	2 6	3 1	0 48	12 28	1 49	4 57	13 45	14 45	15 0	19 55	6 47	1 6	
T 10	14 34	1s27	2 32	6 57	1 45	19 41	3 44	20 45	4 33	5 28	1 8	17 45	2 6	3 2	0 48	12 28	1 49	4 58	13 45	14 43	14 59	19 57	6 48	1 5	
W11	14 15	7 51	1 24	6 33	2 1	19 44	3 39	20 51	4 32	5 33	1 8	17 46	2 6	3 3	0 48	12 28	1 49	4 58	13 44	14 42	14 58	20 0	6 49	1 5	
T 12	13 55	13 54	0 11	6 14	2 16	19 46	3 35	20 58	4 31	5 37	1 8	17 46	2 7	3 3	0 48	12 28	1 49	4 58	13 44	14 42	14 57	20 2	6 50	1 5	
F 13	13 35	19 14	1s 4	5 59	2 31	19 48	3 30	21 4	4 31	5 42	1 8	17 47	2 7	3 4	0 48	12 27	1 49	4 59	13 44	14 42	14 56	20 5	6 51	1 5	
S 14	13 15	23 30	2 14	5 48	2 46	19 49	3 25	21 10	4 30	5 46	1 7	17 47	2 7	3 5	0 48	12 27	1 49	4 59	13 43	14 42	14 55	20 7	6 52	1 5	
S 15	12 55	26 21	3 16	5 42	2 59	19 50	3 20	21 15	4 29	5 51	1 7	17 47	2 7	3 6	0 48	12 27	1 49	5 0	13 43	14 41	14 54	20 10	6 53	1 5	
M16	12 34	27 32	4 6	5 41	3 11	19 51	3 15	21 21	4 28	5 55	1 7	17 48	2 7	3 7	0 48	12 27	1 49	5 0	13 43	14 40	14 53	20 12	6 53	1 5	
T 17	12 13	26 56	4 41	5 45	3 22	19 51	3 10	21 26	4 27	6 0	1 7	17 48	2 7	3 8	0 48	12 27	1 49	5 0	13 42	14 38	14 52	20 15	6 54	1 5	
W18	11 52	24 39	4 59	5 53	3 30	19 51	3 5	21 31	4 26	6 5	1 7	17 48	2 8	3 9	0 48	12 27	1 50	5 1	13 42	14 34	14 51	20 17	6 55	1 4	
T 19	11 31	20 58	5 0	6 5	3 37	19 50	3 0	21 35	4 24	6 9	1 6	17 48	2 8	3 10	0 48	12 27	1 50	5 1	13 42	14 31	14 50	20 20	6 56	1 4	
F 20	11 10	16 14	4 43	6 21	3 42	19 49	2 55	21 39	4 23	6 14	1 6	17 49	2 8	3 11	0 48	12 26	1 50	5 1	13 41	14 27	14 49	20 22	6 57	1 4	
S 21	10 48	10 49	4 12	6 41	3 44	19 48	2 50	21 43	4 22	6 19	1 6	17 49	2 8	3 12	0 48	12 26	1 50	5 2	13 41	14 23	14 48	20 25	6 58	1 4	
S 22	10 27	5 4	3 28	7 3	3 44	19 45	2 45	21 47	4 20	6 23	1 6	17 49	2 8	3 13	0 48	12 26	1 50	5 2	13 41	14 20	14 47	20 27	6 59	1 4	
M23	10 5	0n46	2 34	7 28	3 42	19 43	2 40	21 51	4 19	6 28	1 6	17 49	2 9	3 14	0 48	12 26	1 50	5 3	13 40	14 18	14 46	20 29	7 0	1 4	
T 24	9 43	6 27	1 35	7 54	3 38	19 40	2 35	21 54	4 17	6 33	1 6	17 49	2 9	3 14	0 48	12 26	1 50	5 3	13 40	14 17	14 45	20 32	7 2	1 4	
W25	9 21	11 48	0 31	8 21	3 32	19 36	2 30	21 57	4 15	6 38	1 5	17 49	2 9	3 15	0 48	12 25	1 50	5 3	13 40	14 16	14 44	20 34	7 3	1 4	
T 26	8 59	16 39	0n32	8 49	3 24	19 32	2 25	21 59	4 13	6 43	1 5	17 49	2 9	3 16	0 48	12 25	1 50	5 4	13 40	14 16	14 43	20 37	7 4	1 4	
F 27	8 36	20 50	1 34	9 16	3 15	19 28	2 19	22 2	4 11	6 47	1 5	17 49	2 9	3 17	0 48	12 25	1 50	5 4	13 39	14 16	14 42	20 39	7 5	1 3	
S 28	8 14	24 10	2 32	9 43	3 4	19 23	2 14	22 4	4 10	6 52	1 5	17 49	2 9	3 18	0 48	12 25	1 50	5 5	13 39	14 17	14 41	20 42	7 6	1 3	
S 29	7s51	26n28	3n24	10s 8	2n52	19s17	2n 9	22n 6	4n 8	6n57	1s 5	17s49	2n10	3n19	0n48	12s24	1n50	5n 5	13s39	14n16	14n40	20n44	7n 7	1n 3	

ASTRODIENST EPHEMERIS for the year 1632

geocentric

MARCH 1632 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 36 56	10 ^h 57'51"	1 ^h 47'	25°R31	24 ^h 346	8°R31	20 ^h Y32	28 ^h M48	23°R27	7°R48	21 ^h 856	8°R10	9 ^h 823	26 ^h 8 8	15 ^h Y38	M 1
T 2	10 40 52	11°57'52"	14° 6'	25 ^h ≈ 1	25°51'	8 ^h Ω18	20°44'	28°49'	23 ^h η25	7 ^h M47	21°57'	8 ^h 8 6	9°20'	26°15'	15°41'	T 2
W 3	10 44 49	12°57'50"	26°43'	24°38'	26°56'	8° 7'	20°57'	28°49'	23°22'	7°47'	21°58'	7°59'	9°17'	26°22'	15°45'	W 3
T 4	10 48 46	13°57'46"	9 ^h Ω42	24°22'	28° 1'	7°56'	21°10'	28°50'	23°19'	7°46'	21°58'	7°50'	9°13'	26°28'	15°48'	T 4
F 5	10 52 42	14°57'40"	23° 3'	24°12'	29° 6'	7°46'	21°23'	28°50'	23°17'	7°45'	21°59'	7°41'	9°10'	26°35'	15°51'	F 5
S 6	10 56 39	15°57'32"	6 ^h η45	24°D 9	0 ^h ≈11	7°37'	21°36'	28°50'	23°14'	7°44'	21°59'	7°32'	9° 7'	26°42'	15°54'	S 6
S 7	11 0 35	16°57'22"	20°45'	24°12'	1°17'	7°29'	21°49'	28°50'	23°12'	7°43'	22° 0'	7°24'	9° 4'	26°48'	15°58'	S 7
M 8	11 4 32	17°57'10"	5 ^h Δ 0	24°21'	2°23'	7°21'	22° 2'	28°R50	23° 9'	7°42'	22° 1'	7°18'	9° 1'	26°55'	16° 1'	M 8
T 9	11 8 28	18°56'56"	19°22'	24°35'	3°29'	7°15'	22°15'	28°50'	23° 6'	7°42'	22° 1'	7°15'	8°57'	27° 2'	16° 5'	T 9
W10	11 12 25	19°56'40"	3 ^h M47	24°55'	4°35'	7° 9'	22°29'	28°50'	23° 4'	7°41'	22° 2'	7°D13	8°54'	27° 8'	16° 8'	W10
T 11	11 16 21	20°56'22"	18°11'	25°20'	5°41'	7° 3'	22°42'	28°50'	23° 1'	7°40'	22° 3'	7°14'	8°51'	27°15'	16°11'	T 11
F 12	11 20 18	21°56'03"	2 ^h Δ30	25°50'	6°48'	6°59'	22°55'	28°49'	22°59'	7°39'	22° 4'	7°15'	8°48'	27°22'	16°15'	F 12
S 13	11 24 15	22°55'42"	16°41'	26°24'	7°54'	6°55'	23° 9'	28°49'	22°56'	7°38'	22° 4'	7°R16	8°45'	27°28'	16°18'	S 13
S 14	11 28 11	23°55'20"	0 ^h Σ43	27° 2'	9° 1'	6°52'	23°22'	28°48'	22°53'	7°37'	22° 5'	7°16'	8°42'	27°35'	16°22'	S 14
M15	11 32 8	24°54'56"	14°36'	27°44'	10° 8'	6°50'	23°36'	28°47'	22°51'	7°36'	22° 6'	7°14'	8°38'	27°42'	16°25'	M15
T 16	11 36 4	25°54'30"	28°18'	28°30'	11°16'	6°49'	23°49'	28°47'	22°48'	7°34'	22° 7'	7°10'	8°35'	27°48'	16°29'	T 16
W17	11 40 1	26°54'02"	11 ^h ≈48	29°20'	12°23'	6°D48	24° 3'	28°46'	22°46'	7°33'	22° 8'	7° 5'	8°32'	27°55'	16°33'	W17
T 18	11 43 57	27°53'32"	25° 7'	0 ^h Δ12	13°30'	6°48'	24°17'	28°45'	22°43'	7°32'	22° 8'	6°59'	8°29'	28° 2'	16°36'	T 18
F 19	11 47 54	28°53'00"	8 ^h Δ13	1° 8'	14°38'	6°49'	24°30'	28°44'	22°40'	7°31'	22° 9'	6°52'	8°26'	28° 8'	16°40'	F 19
S 20	11 51 50	29°52'27"	21° 4'	2° 6'	15°46'	6°51'	24°44'	28°43'	22°38'	7°30'	22°10'	6°45'	8°23'	28°15'	16°43'	S 20
S 21	11 55 47	0 ^h Y51'51"	3 ^h Y42	3° 7'	16°54'	6°53'	24°58'	28°41'	22°35'	7°29'	22°11'	6°40'	8°19'	28°21'	16°47'	S 21
M22	11 59 44	1°51'13"	16° 6'	4°11'	18° 2'	6°56'	25°12'	28°40'	22°33'	7°27'	22°12'	6°37'	8°16'	28°28'	16°51'	M22
T 23	12 3 40	2°50'33"	28°18'	5°17'	19°10'	7° 0'	25°25'	28°38'	22°30'	7°26'	22°13'	6°35'	8°13'	28°35'	16°54'	T 23
W24	12 7 37	3°49'51"	10 ^h Σ18	6°26'	20°18'	7° 4'	25°39'	28°37'	22°28'	7°25'	22°14'	6°D34	8°10'	28°41'	16°58'	W24
T 25	12 11 33	4°49'07"	22°11'	7°37'	21°26'	7° 9'	25°53'	28°35'	22°25'	7°23'	22°15'	6°35'	8° 7'	28°48'	17° 2'	T 25
F 26	12 15 30	5°48'21"	4 ^h Δ 0	8°50'	22°35'	7°15'	26° 7'	28°33'	22°22'	7°22'	22°16'	6°37'	8° 3'	28°55'	17° 5'	F 26
S 27	12 19 26	6°47'32"	15°48'	10° 5'	23°43'	7°21'	26°21'	28°32'	22°20'	7°21'	22°17'	6°39'	8° 0'	29° 1'	17° 9'	S 27
S 28	12 23 23	7°46'41"	27°41'	11°22'	24°52'	7°28'	26°35'	28°30'	22°17'	7°19'	22°18'	6°40'	7°57'	29° 8'	17°13'	S 28
M29	12 27 19	8°45'48"	9 ^h Δ44	12°41'	26° 1'	7°36'	26°49'	28°28'	22°15'	7°18'	22°19'	6°R41	7°54'	29°15'	17°16'	M29
T 30	12 31 16	9°44'52"	22° 1'	14° 1'	27°10'	7°44'	27° 3'	28°25'	22°13'	7°17'	22°20'	6°40'	7°51'	29°21'	17°20'	T 30
W31	12 35 13	10 ^h Y43'54"	4 ^h Δ37	15 ^h Δ24	28 ^h ≈19	7 ^h Δ53	27 ^h Y17	28 ^h M23	22 ^h η10	7 ^h M15	22 ^h 821	6 ^h Σ38	7 ^h Σ48	29 ^h 828	17 ^h Y24	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
M 1	7s28	27n36	4n 7	10s32	2n40	19s11	2n 4	22n 7	4n 6	7n 2	1s 5	17s49	2n10	3n20	0n48	M 1
T 2	7 5	27 23	4 40	10 55	2 26	19 5	1 59	22 9	4 4	7 7	1 4	17 49	2 10	3 21	0 48	T 2
W 3	6 42	25 46	5 0	11 15	2 12	18 58	1 54	22 10	4 2	7 12	1 4	17 49	2 10	3 22	0 48	W 3
T 4	6 19	22 46	5 6	11 34	1 58	18 50	1 48	22 10	3 59	7 17	1 4	17 49	2 10	3 23	0 48	T 4
F 5	5 56	18 30	4 55	11 51	1 44	18 42	1 43	22 11	3 57	7 22	1 4	17 49	2 10	3 25	0 48	F 5
S 6	5 33	13 11	4 28	12 5	1 30	18 33	1 38	22 11	3 55	7 27	1 4	17 49	2 11	3 26	0 48	S 6
S 7	5 10	7 5	3 43	12 18	1 16	18 24	1 33	22 11	3 53	7 32	1 4	17 49	2 11	3 27	0 48	S 7
M 8	4 46	0 32	2 45	12 28	1 2	18 14	1 28	22 11	3 51	7 37	1 4	17 49	2 11	3 28	0 48	M 8
T 9	4 23	6s 8	1 35	12 36	0 48	18 4	1 23	22 11	3 48	7 42	1 3	17 48	2 11	3 29	0 48	T 9
W10	3 59	12 31	0 19	12 42	0 34	17 54	1 18	22 10	3 46	7 47	1 3	17 48	2 11	3 30	0 48	W10
T 11	3 36	18 14	0s59	12 46	0 21	17 43	1 13	22 9	3 44	7 52	1 3	17 48	2 11	3 31	0 48	T 11
F 12	3 12	22 52	2 12	12 48	0 9	17 31	1 8	22 8	3 42	7 57	1 3	17 48	2 12	3 32	0 48	F 12
S 13	2 49	26 5	3 17	12 48	0s 4	17 19	1 3	22 7	3 39	8 2	1 3	17 48	2 12	3 33	0 48	S 13
S 14	2 25	27 38	4 9	12 46	0 15	17 6	0 58	22 6	3 37	8 8	1 3	17 47	2 12	3 34	0 48	S 14
M15	2 1	27 26	4 46	12 42	0 27	16 53	0 53	22 4	3 35	8 13	1 3	17 47	2 12	3 35	0 48	M15
T 16	1 38	25 32	5 6	12 36	0 38	16 39	0 49	22 2	3 33	8 18	1 3	17 47	2 12	3 36	0 48	T 16
W17	1 14	22 13	5 9	12 29	0 48	16 25	0 44	22 0	3 30	8 23	1 2	17 46	2 12	3 37	0 48	W17
T 18	0 50	17 48	4 54	12 20	0 58	16 11	0 39	21 58	3 28	8 28	1 2	17 46	2 13	3 38	0 48	T 18
F 19	0 27	12 36	4 25	12 9	1 7	15 56	0 34	21 55	3 26	8 33	1 2	17 45	2 13	3 39	0 48	F 19
S 20	0 3	6 57	3 42	11 56	1 16	15 40	0 30	21 53	3 23	8 38	1 2	17 45	2 13	3 40	0 48	S 20
S 21	0n21	1 7	2 50	11 42	1 25	15 24	0 25	21 50	3 21	8 43	1 2	17 45	2 13	3 41	0 48	S 21
M22	0 44	4n40	1 49	11 26	1 33	15 8	0 21	21 47	3 19	8 49	1 2	17 44	2 13	3 42	0 48	M22
T 23	1 8	10 11	0 45	11 8	1 40	14 51	0 16	21 44	3 17	8 54	1 2	17 44	2 13	3 43	0 48	T 23
W24	1 32	15 16	0n20	10 49	1 47	14 34	0 12	21 40	3 14	8 59	1 2	17 43	2 14	3 44	0 48	W24
T 25	1 55	19 43	1 25	10 29	1 53	14 16	0 8	21 37	3 12	9 4	1 1	17 43	2 14	3 45	0 48	T 25
F 26	2 19	23 22	2 25	10 7	1 59	13 58	0 3	21 33	3 10	9 9	1 1	17 42	2 14	3 46	0 48	F 26
S 27	2 42	26 1	3 19	9 44	2 5	13 39	0s 1	21 30	3 8	9 14	1 1	17 42	2 14	3 47	0 48	S 27
S 28	3 6	27 33	4 5	9 19	2 9	13 20	0 5	21 26	3 5	9 19	1 1	17 41	2 14	3 48	0 48	S 28
M29	3 29	27 47	4 40	8 53	2 14	13 1	0 9	21 21	3 3	9 25	1 1	17 40	2 14	3 49	0 48	M29
T 30	3 52	26 41	5 4	8 25	2 18	12 41	0 13	21 17	3 1	9 30	1 1	17 40	2 14	3 50	0 48	T 30
W31	4n15	24n14	5n14	7s56	2s21	12s21	0s17	21n13	2n59	9n35	1s 1	17s39	2n15	3n51	0n48	W31

Julian Day Number = 2317195.5, Delta T = 56.25 sec
 Ecliptic obliquity = 23°29'21", Nutation = - 0°00'10", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°36'23", Lahiri = 18°43'23"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1632

geocentric

MAY 1632 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 37 26	10♌58'00	22♍54	11♌29	4♋32	16♏27	4♌41	26°R39	21°R 9	6°R27	22♌58	6♌21	6♌ 9	2♐54	19♋18	S 1
S 2	14 41 22	11°56'01	7♌ 5	13°39	5°43	16°50	4°55	26♌35	21♍ 8	6♌25	23° 0	6°22	6° 6	3° 1	19°22	S 2
M 3	14 45 19	12°54'00	21°41	15°50	6°54	17°13	5° 9	26°30	21° 6	6°23	23° 1	6°22	6° 3	3° 8	19°25	M 3
T 4	14 49 15	13°51'57	6♌36	18° 0	8° 5	17°36	5°24	26°26	21° 5	6°22	23° 2	6°R22	6° 0	3°14	19°29	T 4
W 5	14 53 12	14°49'53	21°42	20°10	9°16	18° 0	5°38	26°22	21° 4	6°20	23° 4	6°22	5°56	3°21	19°32	W 5
T 6	14 57 8	15°47'47	6♌52	22°19	10°27	18°24	5°52	26°17	21° 3	6°19	23° 5	6°21	5°53	3°28	19°36	T 6
F 7	15 1 5	16°45'40	21°54	24°28	11°38	18°48	6° 6	26°13	21° 2	6°17	23° 6	6°20	5°50	3°34	19°39	F 7
S 8	15 5 2	17°43'32	6♌42	26°35	12°49	19°12	6°21	26° 9	21° 1	6°15	23° 8	6°19	5°47	3°41	19°43	S 8
S 9	15 8 58	18°41'22	21° 9	28°41	14° 0	19°37	6°35	26° 4	20°59	6°14	23° 9	6°18	5°44	3°48	19°46	S 9
M10	15 12 55	19°39'11	5♌11	0♐44	15°12	20° 2	6°49	26° 0	20°59	6°12	23°11	6°17	5°40	3°54	19°49	M10
T 11	15 16 51	20°36'59	18°49	2°46	16°23	20°27	7° 3	25°55	20°58	6°11	23°12	6°D16	5°37	4° 1	19°53	T 11
W12	15 20 48	21°34'46	2♌ 2	4°46	17°34	20°53	7°17	25°51	20°57	6° 9	23°13	6°17	5°34	4° 8	19°56	W12
T 13	15 24 44	22°32'32	14°53	6°44	18°46	21°19	7°31	25°47	20°56	6° 7	23°15	6°17	5°31	4°14	19°59	T 13
F 14	15 28 41	23°30'16	27°26	8°39	19°57	21°45	7°45	25°42	20°55	6° 6	23°16	6°19	5°28	4°21	20° 3	F 14
S 15	15 32 37	24°27'59	9♋44	10°31	21° 9	22°11	7°59	25°38	20°54	6° 4	23°17	6°20	5°25	4°28	20° 6	S 15
S 16	15 36 34	25°25'41	21°50	12°20	22°20	22°37	8°13	25°33	20°54	6° 3	23°19	6°21	5°21	4°34	20° 9	S 16
M17	15 40 31	26°23'22	3♌48	14° 7	23°32	23° 4	8°27	25°29	20°53	6° 1	23°20	6°R22	5°18	4°41	20°12	M17
T 18	15 44 27	27°21'02	15°41	15°51	24°43	23°31	8°41	25°24	20°52	6° 0	23°21	6°22	5°15	4°48	20°15	T 18
W19	15 48 24	28°18'41	27°30	17°31	25°55	23°58	8°55	25°20	20°52	5°58	23°23	6°20	5°12	4°54	20°19	W19
T 20	15 52 20	29°16'18	9♐18	19° 9	27° 6	24°25	9° 9	25°15	20°51	5°57	23°24	6°18	5° 9	5° 1	20°22	T 20
F 21	15 56 17	0♐13'55	21° 7	20°44	28°18	24°53	9°23	25°11	20°51	5°55	23°25	6°14	5° 6	5° 8	20°25	F 21
S 22	16 0 13	1°11'30	3♌ 0	22°15	29°29	25°21	9°37	25° 6	20°51	5°54	23°27	6°10	5° 2	5°14	20°28	S 22
S 23	16 4 10	2° 9'03	14°58	23°44	0♌41	25°49	9°51	25° 2	20°50	5°53	23°28	6° 6	4°59	5°21	20°31	S 23
M24	16 8 7	3° 6'36	27° 5	25° 9	1°53	26°17	10° 4	24°58	20°50	5°51	23°29	6° 2	4°56	5°28	20°34	M24
T 25	16 12 3	4° 4'07	9♏22	26°31	3° 5	26°45	10°18	24°53	20°50	5°50	23°31	5°59	4°53	5°34	20°37	T 25
W26	16 16 0	5° 1'37	21°55	27°49	4°16	27°14	10°32	24°49	20°50	5°48	23°32	5°57	4°50	5°41	20°40	W26
T 27	16 19 56	5°59'05	4♍45	29° 5	5°28	27°43	10°45	24°44	20°50	5°47	23°33	5°D56	4°46	5°48	20°43	T 27
F 28	16 23 53	6°56'32	17°57	0♌17	6°40	28°12	10°59	24°40	20°D50	5°46	23°35	5°57	4°43	5°54	20°45	F 28
S 29	16 27 49	7°53'58	1♌34	1°25	7°52	28°41	11°13	24°36	20°50	5°44	23°36	5°58	4°40	6° 1	20°48	S 29
S 30	16 31 46	8°51'22	15°36	2°30	9° 3	29°10	11°26	24°32	20°50	5°43	23°37	5°59	4°37	6° 8	20°51	S 30
M31	16 35 42	9♐48'46	0♌ 3	3♌32	10♌15	29♏40	11♌40	24♌27	20♍50	5♌42	23♌39	6°R 0	4♌34	6♐14	20♋54	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	15n 9	6n10	3n39	15n17	0s 1	0n17	1s40	17n51	2n 0	12n11	0s59	17s13	2n17	4n14	0n47	S 1
S 2	15 27	0s26	2 36	16 7	0n 9	0 44	1 41	17 43	1 59	12 16	0 59	17 12	2 17	4 15	0 47	S 2
M 3	15 45	7 13	1 21	16 56	0 20	1 11	1 42	17 34	1 57	12 21	0 59	17 11	2 17	4 15	0 47	M 3
T 4	16 2	13 46	0s 1	17 43	0 30	1 38	1 44	17 25	1 56	12 25	0 59	17 10	2 17	4 16	0 47	T 4
W 5	16 19	19 35	1 24	18 29	0 41	2 5	1 45	17 17	1 54	12 30	0 59	17 9	2 17	4 16	0 47	W 5
T 6	16 36	24 9	2 41	19 12	0 51	2 32	1 46	17 8	1 53	12 35	0 59	17 8	2 17	4 17	0 47	T 6
F 7	16 53	27 1	3 47	19 54	1 1	2 59	1 46	16 59	1 51	12 40	0 59	17 7	2 17	4 17	0 47	F 7
S 8	17 9	27 54	4 36	20 34	1 10	3 26	1 47	16 50	1 49	12 44	0 59	17 6	2 17	4 17	0 47	S 8
S 9	17 25	26 51	5 6	21 11	1 19	3 53	1 48	16 40	1 48	12 49	0 59	17 5	2 17	4 18	0 47	S 9
M10	17 41	24 7	5 17	21 47	1 28	4 20	1 48	16 31	1 46	12 54	0 59	17 4	2 17	4 18	0 47	M10
T 11	17 57	20 7	5 9	22 19	1 36	4 47	1 49	16 22	1 45	12 58	0 59	17 3	2 17	4 18	0 47	T 11
W12	18 12	15 13	4 45	22 49	1 43	5 14	1 49	16 12	1 44	13 3	0 59	17 2	2 17	4 19	0 47	W12
T 13	18 27	9 46	4 8	23 17	1 50	5 40	1 50	16 2	1 42	13 7	0 59	17 1	2 17	4 19	0 47	T 13
F 14	18 41	4 4	3 19	23 41	1 56	6 7	1 50	15 52	1 41	13 12	0 59	17 0	2 17	4 19	0 47	F 14
S 15	18 56	1n41	2 22	24 4	2 1	6 34	1 50	15 43	1 39	13 17	0 59	16 59	2 17	4 19	0 47	S 15
S 16	19 10	7 18	1 19	24 23	2 5	7 0	1 50	15 33	1 38	13 21	0 59	16 58	2 17	4 20	0 47	S 16
M17	19 23	12 35	0 14	24 41	2 9	7 27	1 50	15 22	1 36	13 26	0 59	16 57	2 17	4 20	0 46	M17
T 18	19 37	17 23	0n51	24 55	2 12	7 53	1 50	15 12	1 35	13 30	0 59	16 56	2 17	4 20	0 46	T 18
W19	19 50	21 29	1 54	25 8	2 14	8 19	1 50	15 2	1 34	13 34	0 59	16 55	2 17	4 20	0 46	W19
T 20	20 2	24 43	2 52	25 18	2 15	8 45	1 50	14 52	1 32	13 39	0 59	16 54	2 17	4 20	0 46	T 20
F 21	20 14	26 53	3 42	25 26	2 16	9 11	1 49	14 41	1 31	13 43	0 59	16 53	2 17	4 21	0 46	F 21
S 22	20 26	27 50	4 23	25 31	2 16	9 37	1 49	14 30	1 30	13 48	0 59	16 52	2 17	4 21	0 46	S 22
S 23	20 38	27 29	4 52	25 35	2 15	10 2	1 49	14 20	1 28	13 52	0 59	16 51	2 16	4 21	0 46	S 23
M24	20 49	25 51	5 10	25 37	2 13	10 28	1 48	14 9	1 27	13 56	0 59	16 50	2 16	4 21	0 46	M24
T 25	21 0	22 58	5 13	25 36	2 10	10 53	1 47	13 58	1 26	14 1	0 59	16 49	2 16	4 21	0 46	T 25
W26	21 11	18 59	5 1	25 35	2 6	11 18	1 47	13 47	1 24	14 5	0 59	16 48	2 16	4 21	0 46	W26
T 27	21 21	14 3	4 35	25 31	2 2	11 42	1 46	13 36	1 23	14 9	0 59	16 48	2 16	4 21	0 46	T 27
F 28	21 31	8 21	3 53	25 26	1 57	12 7	1 45	13 24	1 22	14 13	0 59	16 47	2 16	4 21	0 46	F 28
S 29	21 40	2 5	2 57	25 20	1 51	12 31	1 44	13 13	1 21	14 18	0 59	16 46	2 16	4 21	0 46	S 29
S 30	21 49	4s28	1 49	25 12	1 44	12 55	1 43	13 2	1 19	14 22	0 59	16 45	2 16	4 21	0 46	S 30
M31	21n58	11s 0	0n33	25n 3	1n37	13n19	1s42	12n50	1n18	14n26	0s59	16s44	2n16	4n21	0n46	M31

Julian Day Number = 2317256.5, Delta T = 56.12 sec
 Ecliptic obliquity = 23°29'21, Nutation = - 0°00'11, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°36'31, Lahiri = 18°43'32Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1632

geocentric

JUNE 1632 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 39 39	10 ^{II} 46'08	14 ^{III} 53	4 ^{III} 30	11 ^{II} 27	0 ^{III} 9	11 ^{II} 53	24 ^R 23	20 ^{III} 50	5 ^R 40	23 ^{II} 40	6 ^R 0	4 ^{II} 31	6 ^{II} 21	20 ^V 56	T 1
W 2	16 43 36	11°43'29	29°59	5°24	12°39	0°39	12°6	24 ^{III} 19	20°50	5 ^{III} 39	23°41	5 ^{II} 58	4°27	6°28	20°59	W 2
T 3	16 47 32	12°40'50	15 ^{II} 21	6°14	13°51	1°9	12°20	24°15	20°50	5°38	23°43	5°55	4°24	6°34	21°2	T 3
F 4	16 51 29	13°38'10	0 ^{III} 26	7°1	15°3	1°39	12°33	24°11	20°51	5°37	23°44	5°50	4°21	6°41	21°4	F 4
S 5	16 55 25	14°35'29	15°27	7°43	16°15	2°10	12°46	24°7	20°51	5°35	23°45	5°45	4°18	6°48	21°7	S 5
S 6	16 59 22	15°32'47	0 ^{III} 7	8°22	17°27	2°40	12°59	24°3	20°52	5°34	23°47	5°39	4°15	6°54	21°9	S 6
M 7	17 3 18	16°30'05	14°20	8°56	18°39	3°11	13°12	23°59	20°52	5°33	23°48	5°35	4°12	7°1	21°12	M 7
T 8	17 7 15	17°27'23	28°5	9°26	19°51	3°42	13°25	23°55	20°53	5°32	23°49	5°31	4°8	7°8	21°14	T 8
W 9	17 11 11	18°24'40	11 ^{II} 21	9°52	21°3	4°13	13°38	23°51	20°53	5°31	23°50	5°29	4°5	7°14	21°17	W 9
T 10	17 15 8	19°21'57	24°12	10°14	22°16	4°44	13°51	23°47	20°54	5°30	23°52	5°D29	4°2	7°21	21°19	T 10
F 11	17 19 5	20°19'13	6 ^V 42	10°31	23°28	5°15	14°4	23°43	20°55	5°29	23°53	5°30	3°59	7°28	21°21	F 11
S 12	17 23 1	21°16'29	18°54	10°43	24°40	5°46	14°17	23°40	20°55	5°28	23°54	5°32	3°56	7°34	21°24	S 12
S 13	17 26 58	22°13'45	0 ^{III} 53	10°51	25°52	6°18	14°30	23°36	20°56	5°27	23°55	5°R33	3°52	7°41	21°26	S 13
M14	17 30 54	23°11'01	12°45	10°R54	27°4	6°50	14°42	23°32	20°57	5°26	23°56	5°32	3°49	7°48	21°28	M14
T 15	17 34 51	24°8'16	24°33	10°53	28°17	7°21	14°55	23°29	20°58	5°25	23°58	5°30	3°46	7°54	21°30	T 15
W16	17 38 47	25°5'31	6 ^{II} 21	10°47	29°29	7°53	15°8	23°25	20°59	5°24	23°59	5°26	3°43	8°1	21°32	W16
T 17	17 42 44	26°2'46	18°10	10°37	0 ^{II} 41	8°26	15°20	23°22	21°0	5°23	24°0	5°20	3°40	8°8	21°34	T 17
F 18	17 46 40	27°0'00	0 ^{III} 4	10°23	1°54	8°58	15°32	23°19	21°1	5°22	24°1	5°12	3°37	8°14	21°36	F 18
S 19	17 50 37	27°57'14	12°4	10°5	3°6	9°30	15°45	23°15	21°2	5°21	24°2	5°2	3°33	8°21	21°38	S 19
S 20	17 54 34	28°54'28	24°11	9°42	4°19	10°3	15°57	23°12	21°3	5°20	24°4	4°52	3°30	8°28	21°40	S 20
M21	17 58 30	29°51'41	6 ^{II} 26	9°17	5°31	10°36	16°9	23°9	21°4	5°20	24°5	4°43	3°27	8°34	21°42	M21
T 22	18 2 27	0 ^{III} 48'54	18°53	8°48	6°43	11°8	16°21	23°6	21°6	5°19	24°6	4°35	3°24	8°41	21°44	T 22
W23	18 6 23	1°46'07	1 ^{III} 31	8°17	7°56	11°41	16°33	23°3	21°7	5°18	24°7	4°29	3°21	8°48	21°46	W23
T 24	18 10 20	2°43'19	14°24	7°43	9°8	12°14	16°45	23°0	21°8	5°17	24°8	4°25	3°18	8°54	21°47	T 24
F 25	18 14 16	3°40'30	27°34	7°8	10°21	12°48	16°57	22°57	21°10	5°17	24°9	4°23	3°14	9°1	21°49	F 25
S 26	18 18 13	4°37'41	11 ^{II} 4	6°32	11°34	13°21	17°9	22°54	21°11	5°16	24°10	4°D23	3°11	9°8	21°51	S 26
S 27	18 22 9	5°34'52	24°55	5°56	12°46	13°54	17°21	22°52	21°13	5°15	24°11	4°24	3°8	9°14	21°52	S 27
M28	18 26 6	6°32'03	9 ^{III} 9	5°19	13°59	14°28	17°33	22°49	21°14	5°15	24°12	4°R24	3°5	9°21	21°54	M28
T 29	18 30 3	7°29'13	23°45	4°44	15°11	15°2	17°44	22°46	21°16	5°14	24°13	4°23	3°2	9°28	21°55	T 29
W30	18 33 59	8°26'23	8 ^{II} 38	4°510	16 ^{II} 24	15 ^{III} 35	17°56	22 ^{III} 44	21 ^{III} 17	5 ^{III} 14	24°14	4°19	2°58	9 ^{II} 34	21°57	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 6	17s 6	0s48	24n53	1n28	13n42	1s41	12n38	1n17	14n30	0s59	16s43	2n16	4n21	0n46	11s41	1n51	5n43	13s25	13n33	13n 3	24n 6	9n 4	0n57			
W 2	22 14	22 16	2 7	24 42	1 19	14 5	1 40	12 27	1 16	14 34	0 59	16 42	2 15	4 20	0 46	11 41	1 51	5 43	13 25	13 32	13 2	24 7	9 5	0 57			
T 3	22 22	25 56	3 17	24 30	1 9	14 28	1 39	12 15	1 14	14 38	0 59	16 41	2 15	4 20	0 46	11 41	1 51	5 43	13 25	13 31	13 1	24 9	9 6	0 57			
F 4	22 29	27 43	4 14	24 17	0 59	14 50	1 37	12 3	1 13	14 42	0 59	16 40	2 15	4 20	0 46	11 40	1 51	5 43	13 25	13 30	13 0	24 11	9 7	0 57			
S 5	22 36	27 25	4 51	24 3	0 47	15 12	1 36	11 51	1 12	14 46	0 59	16 39	2 15	4 20	0 46	11 40	1 51	5 44	13 25	13 28	12 59	24 13	9 8	0 57			
S 6	22 42	25 12	5 9	23 49	0 35	15 34	1 34	11 39	1 11	14 50	0 59	16 39	2 15	4 20	0 46	11 40	1 51	5 44	13 25	13 26	12 58	24 15	9 9	0 57			
M 7	22 48	21 27	5 7	23 34	0 23	15 55	1 33	11 27	1 10	14 54	0 59	16 38	2 15	4 19	0 46	11 39	1 51	5 44	13 25	13 24	12 57	24 17	9 10	0 57			
T 8	22 54	16 39	4 47	23 18	0 9	16 16	1 31	11 14	1 9	14 58	0 59	16 37	2 15	4 19	0 46	11 39	1 51	5 44	13 26	13 23	12 56	24 19	9 11	0 57			
W 9	22 59	11 12	4 12	23 3	0s 5	16 37	1 30	11 2	1 7	15 2	0 59	16 36	2 14	4 19	0 45	11 39	1 51	5 44	13 26	13 23	12 54	24 21	9 12	0 57			
T 10	23 4	5 27	3 25	22 46	0 19	16 57	1 28	10 49	1 6	15 5	0 59	16 35	2 14	4 19	0 45	11 38	1 51	5 45	13 26	13 23	12 53	24 22	9 12	0 57			
F 11	23 8	0n22	2 30	22 30	0 34	17 17	1 26	10 37	1 5	15 9	0 59	16 35	2 14	4 18	0 45	11 38	1 51	5 45	13 26	13 23	12 52	24 24	9 13	0 57			
S 12	23 12	6 3	1 29	22 14	0 50	17 36	1 25	10 24	1 4	15 13	0 59	16 34	2 14	4 18	0 45	11 38	1 51	5 45	13 26	13 24	12 51	24 26	9 14	0 57			
S 13	23 16	11 25	0 25	21 57	1 6	17 55	1 23	10 12	1 3	15 17	0 59	16 33	2 14	4 18	0 45	11 37	1 51	5 45	13 26	13 24	12 50	24 28	9 15	0 57			
M14	23 19	16 19	0n39	21 41	1 22	18 14	1 21	9 59	1 2	15 20	0 59	16 32	2 14	4 17	0 45	11 37	1 51	5 45	13 26	13 24	12 49	24 30	9 16	0 56			
T 15	23 22	20 35	1 41	21 25	1 38	18 32	1 19	9 46	1 1	15 24	0 59	16 32	2 14	4 17	0 45	11 37	1 51	5 46	13 26	13 23	12 48	24 32	9 16	0 56			
W16	23 24	24 1	2 38	21 9	1 54	18 50	1 17	9 33	1 0	15 28	0 59	16 31	2 13	4 16	0 45	11 37	1 51	5 46	13 26	13 22	12 47	24 33	9 17	0 56			
T 17	23 26	26 26	3 29	20 53	2 11	19 7	1 15	9 20	0 59	15 31	0 59	16 30	2 13	4 16	0 45	11 36	1 51	5 46	13 26	13 20	12 46	24 35	9 18	0 56			
F 18	23 27	27 40	4 11	20 38	2 27	19 23	1 13	9 7	0 57	15 35	0 59	16 30	2 13	4 16	0 45	11 36	1 51	5 46	13 27	13 17	12 45	24 37	9 19	0 56			
S 19	23 28	27 37	4 41	20 23	2 43	19 40	1 11	8 53	0 56	15 38	0 59	16 29	2 13	4 15	0 45	11 36	1 51	5 46	13 27	13 14	12 44	24 39	9 19	0 56			
S 20	23 29	26 15	5 0	20 9	2 59	19 55	1 9	8 40	0 55	15 42	1 0	16 28	2 13	4 15	0 45	11 36	1 50	5 46	13 27	13 10	12 43	24 41	9 20	0 56			
M21	23 29	23 37	5 5	19 56	3 14	20 11	1 7	8 27	0 54	15 45	1 0	16 28	2 12	4 14	0 45	11 35	1 50	5 46	13 27	13 7	12 41	24 42	9 21	0 56			
T 22	23 29	19 53	4 56	19 44	3 29	20 25	1 4	8 13	0 53	15 49	1 0	16 27	2 12	4 14	0 45	11 35	1 50	5 47	13 27	13 4	12 40	24 44	9 21	0 56			
W23	23 29	15 12	4 32	19 32	3 42	20 39	1 2	8 0	0 52	15 52	1 0	16 27	2 12	4 13	0 45	11 35	1 50	5 47	13 27	13 2	12 39	24 46	9 22	0 56			
T 24	23 28	9 45	3 55	19 21	3 55	20 53	1 0	7 46	0 51	15 55	1 0	16 26	2 12	4 12	0 45	11 35	1 50	5 47	13 27	13 1	12 38	24 48	9 23	0 56			
F 25	23 26	3 47	3 4	19 12	4 6	21 6	0 58	7 33	0 50	15 59	1 0	16 26	2 12	4 12	0 45	11 35	1 50	5 47	13 27	13 1	12 37	24 49	9 23	0 56			
S 26	23 24	2s32	2 1	19 3	4 17	21 18	0 55	7 19	0 49	16 2	1 0	16 25	2 11	4 11	0 45	11 34	1 50	5 47	13 28	13 1	12 36	24 51	9 24	0 56			
S 27	23 22	8 53	0 50	18 56	4 25	21 30	0 53	7 5	0 48	16 5	1 0	16 25	2 11	4 11	0 45	11 34	1 50	5 47	13 28	13 1	12 35	24 53	9 24	0 56			
M28	23 20	14 59	0s25	18 50	4 33	21 41	0 50	6 51	0 47	16 8	1 0	16 24	2 11	4 10	0 45	11 34	1 50	5 47	13 28	13 1	12 34	24 55	9 25	0 56			
T 29	23 17	20 23	1 41	18 46	4 39	21 52	0 48	6 37	0 46	16 12	1 0	16 24	2 11	4 9	0 45	11 34	1 50	5 47	13 28	13 0	12 33	24 56	9 25	0 56			
W30	23n13	24s37	2s52	18n42	4s43	22n 2	0s46	6n23	0n45	16n15	1s 0	16s23	2n11	4n 9	0n45	11s34	1n50	5n47	13s28	12n59	12n32	24n58	9n26	0n56			

ASTRODIENST EPHEMERIS for the year 1632
geocentric

JULY 1632 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 37 56	9 ⁵⁵ 23'33	23 ⁴⁷ 42	3 ⁵⁰ R37	17 ¹¹ 37	16 ¹⁰ 9	18 ⁸ 7	22 ⁵ R42	21 ¹⁰ 19	5 ⁵⁰ R13	24 ⁸ 15	4 ⁵⁰ R13	2 ⁵⁵ 55	9 ¹¹ 41	21 ¹⁰ 58	T 1
F 2	18 41 52	10 ⁵⁰ 20'43	8 ⁵⁰ 49	3 ⁵⁰ 8	18 ⁵⁰ 50	16 ⁴³	18 ⁵⁰ 18	22 ¹⁰ 39	21 ⁵⁰ 21	5 ¹⁰ 13	24 ¹⁶ 16	4 ⁵ 5	2 ⁵² 52	9 ⁴⁸ 48	21 ⁵⁹ 59	F 2
S 3	18 45 49	11 ⁵⁰ 17'54	23 ⁴⁸	2 ⁴²	20 ²	17 ¹⁷	18 ²⁹	22 ³⁷	21 ²³	5 ¹²	24 ¹⁷	3 ⁵⁵	2 ⁴⁹	9 ⁵⁴	22 ¹	S 3
S 4	18 49 45	12 ⁵⁰ 15'04	8 ⁵⁰ 30	2 ¹⁹	21 ¹⁵	17 ⁵²	18 ⁴¹	22 ³⁵	21 ²⁵	5 ¹²	24 ¹⁸	3 ⁴⁵	2 ⁴⁶	10 ¹	22 ²	S 4
M 5	18 53 42	13 ⁵⁰ 12'15	22 ⁴⁸	2 ⁰	22 ²⁸	18 ²⁶	18 ⁵²	22 ³³	21 ²⁶	5 ¹²	24 ¹⁹	3 ³⁷	2 ⁴³	10 ⁸	22 ³	M 5
T 6	18 57 39	14 ⁵⁰ 9'25	6 ⁵⁰ 38	1 ⁴⁶	23 ⁴¹	19 ⁰	19 ³	22 ³¹	21 ²⁸	5 ¹¹	24 ²⁰	3 ³⁰	2 ³⁹	10 ¹⁴	22 ⁴	T 6
W 7	19 1 35	15 ⁵⁰ 6'37	19 ⁵⁹	1 ³⁶	24 ⁵⁴	19 ³⁵	19 ¹³	22 ²⁹	21 ³⁰	5 ¹¹	24 ²¹	3 ²⁵	2 ³⁶	10 ²¹	22 ⁵	W 7
T 8	19 5 32	16 ⁵⁰ 3'49	2 ⁵⁰ 53	1 ⁵⁰ D32	26 ⁷	20 ¹⁰	19 ²⁴	22 ²⁷	21 ³²	5 ¹¹	24 ²²	3 ²²	2 ³³	10 ²⁸	22 ⁶	T 8
F 9	19 9 28	17 ⁵⁰ 1'01	15 ²³	1 ³²	27 ¹⁹	20 ⁴⁴	19 ³⁵	22 ²⁶	21 ³⁴	5 ¹⁰	24 ²³	3 ⁵⁰ D22	2 ³⁰	10 ³⁵	22 ⁷	F 9
S 10	19 13 25	17 ⁵⁸ 15	27 ³⁵	1 ³⁸	28 ³²	21 ¹⁹	19 ⁴⁵	22 ²⁴	21 ³⁷	5 ¹⁰	24 ²⁴	3 ⁵⁰ R22	2 ²⁷	10 ⁴¹	22 ⁸	S 10
S 11	19 17 21	18 ⁵⁵ 28	9 ⁵⁰ 34	1 ⁵⁰	29 ⁴⁵	21 ⁵⁴	19 ⁵⁶	22 ²³	21 ³⁹	5 ¹⁰	24 ²⁵	3 ²²	2 ²⁴	10 ⁴⁸	22 ⁹	S 11
M 12	19 21 18	19 ⁵² 43	21 ²⁴	2 ⁷	0 ⁵⁰ 58	22 ²⁹	20 ⁶	22 ²¹	21 ⁴¹	5 ¹⁰	24 ²⁶	3 ²¹	2 ²⁰	10 ⁵⁵	22 ¹⁰	M 12
T 13	19 25 14	20 ⁴⁹ 58	3 ¹¹ 12	2 ²⁹	2 ¹²	23 ⁵	20 ¹⁶	22 ²⁰	21 ⁴³	5 ¹⁰	24 ²⁶	3 ¹⁷	2 ¹⁷	11 ¹	22 ¹¹	T 13
W 14	19 29 11	21 ⁴⁷ 14	15 ¹	2 ⁵⁷	3 ²⁵	23 ⁴⁰	20 ²⁶	22 ¹⁹	21 ⁴⁶	5 ¹⁰	24 ²⁷	3 ¹¹	2 ¹⁴	11 ⁸	22 ¹¹	W 14
T 15	19 33 8	22 ⁴⁴ 31	26 ⁵⁴	3 ³¹	4 ³⁸	24 ¹⁵	20 ³⁶	22 ¹⁷	21 ⁴⁸	5 ⁹	24 ²⁸	3 ²	2 ¹¹	11 ¹⁵	22 ¹²	T 15
F 16	19 37 4	23 ⁴¹ 48	8 ⁵⁰ 55	4 ¹⁰	5 ⁵¹	24 ⁵¹	20 ⁴⁶	22 ¹⁶	21 ⁵⁰	5 ⁹	24 ²⁹	2 ⁵¹	2 ⁸	11 ²¹	22 ¹²	F 16
S 17	19 41 1	24 ³⁹ 06	21 ⁵	4 ⁵⁵	7 ⁴	25 ²⁷	20 ⁵⁶	22 ¹⁶	21 ⁵³	5 ¹⁰ D 9	24 ³⁰	2 ³⁸	2 ⁴	11 ²⁸	22 ¹³	S 17
S 18	19 44 57	25 ³⁶ 25	3 ⁵⁰ 24	5 ⁴⁵	8 ¹⁷	26 ²	21 ⁶	22 ¹⁵	21 ⁵⁵	5 ⁹	24 ³⁰	2 ²⁵	2 ¹	11 ³⁵	22 ¹³	S 18
M 19	19 48 54	26 ³³ 44	15 ⁵⁴	6 ⁴¹	9 ³¹	26 ³⁸	21 ¹⁵	22 ¹⁴	21 ⁵⁸	5 ⁹	24 ³¹	2 ¹²	1 ⁵⁸	11 ⁴¹	22 ¹⁴	M 19
T 20	19 52 50	27 ³¹ 03	28 ³⁵	7 ⁴²	10 ⁴⁴	27 ¹⁴	21 ²⁵	22 ¹³	22 ⁰	5 ¹⁰	24 ³²	2 ¹	1 ⁵⁵	11 ⁴⁸	22 ¹⁴	T 20
W 21	19 56 47	28 ²⁸ 23	11 ¹⁰ 28	8 ⁴⁹	11 ⁵⁷	27 ⁵⁰	21 ³⁴	22 ¹³	22 ³	5 ¹⁰	24 ³³	1 ⁵³	1 ⁵²	11 ⁵⁵	22 ¹⁴	W 21
T 22	20 0 43	29 ²⁵ 44	24 ³²	10 ⁰	13 ¹¹	28 ²⁶	21 ⁴³	22 ¹²	22 ⁵	5 ¹⁰	24 ³³	1 ⁴⁷	1 ⁴⁹	12 ¹	22 ¹⁵	T 22
F 23	20 4 40	0 ⁵⁰ 23'05	7 ⁵⁰ 49	11 ¹⁷	14 ²⁴	29 ³	21 ⁵²	22 ¹²	22 ⁸	5 ¹⁰	24 ³⁴	1 ⁴⁴	1 ⁴⁵	12 ⁸	22 ¹⁵	F 23
S 24	20 8 37	1 ²⁰ 27	21 ²⁰	12 ³⁸	15 ³⁷	29 ³⁹	22 ¹	22 ¹²	22 ¹¹	5 ¹⁰	24 ³⁴	1 ⁴³	1 ⁴²	12 ¹⁵	22 ¹⁵	S 24
S 25	20 12 33	2 ¹⁷ 49	5 ¹⁰ 7	14 ⁴	16 ⁵¹	0 ⁵⁰ 15	22 ¹⁰	22 ¹¹	22 ¹³	5 ¹¹	24 ³⁵	1 ⁴²	1 ³⁹	12 ²¹	22 ¹⁵	S 25
M 26	20 16 30	3 ¹⁵ 12	19 ¹¹	15 ³⁵	18 ⁴	0 ⁵²	22 ¹⁹	22 ¹⁰ D11	22 ¹⁶	5 ¹¹	24 ³⁶	1 ⁴²	1 ³⁶	12 ²⁸	22 ¹⁵	M 26
T 27	20 20 26	4 ¹² 35	3 ⁵⁰ 31	17 ¹⁰	19 ¹⁸	1 ²⁸	22 ²⁷	22 ¹¹	22 ¹⁹	5 ¹¹	24 ³⁶	1 ⁴⁰	1 ³³	12 ³⁵	22 ¹⁵	T 27
W 28	20 24 23	5 ¹⁰ 00	18 ⁵	18 ⁴⁹	20 ³¹	2 ⁵	22 ³⁶	22 ¹¹	22 ²²	5 ¹¹	24 ³⁷	1 ³⁶	1 ³⁰	12 ⁴¹	22 ¹⁵	W 28
T 29	20 28 19	6 ⁷ 24	2 ⁵⁰ 48	20 ³²	21 ⁴⁵	2 ⁴²	22 ⁴⁴	22 ¹²	22 ²⁵	5 ¹²	24 ³⁷	1 ²⁹	1 ²⁶	12 ⁴⁸	22 ¹⁵	T 29
F 30	20 32 16	7 ⁴ 50	17 ³⁶	22 ¹⁹	22 ⁵⁸	3 ¹⁹	22 ⁵²	22 ¹²	22 ²⁷	5 ¹²	24 ³⁸	1 ²⁰	1 ²³	12 ⁵⁵	22 ¹⁵	F 30
S 31	20 36 12	8 ⁵⁰ 2'17	2 ⁵⁰ 18	24 ⁵⁰ 8	24 ⁵⁰ 12	3 ⁵⁰ 56	23 ⁸ 0	22 ¹⁰ 12	22 ¹⁰ 30	5 ¹⁰ 13	24 ³⁸	1 ⁸ 9	1 ⁸ 20	13 ¹¹ 1	22 ¹⁶ 14	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 9	27s11	3s51	18n41	4s46	22n12	0s43	6n 9	0n44	16n18	1 s 0	16s23	2n10	4n 8	0n45	11s34	1n50	5n47	13s28	12n57	12n31	25n 0	9n26	0n56							
F 2	23 5	27 45	4 34	18 40	4 47	22 21	0 41	5 55	0 43	16 21	1 0	16 23	2 10	4 7	0 45	11 34	1 50	5 48	13 29	12 54	12 30	25 2	9 27	0 56							
S 3	23 0	26 17	4 58	18 41	4 47	22 29	0 38	5 41	0 42	16 24	1 0	16 22	2 10	4 6	0 44	11 34	1 50	5 48	13 29	12 51	12 28	25 3	9 27	0 56							
S 4	22 55	23 1	5 2	18 43	4 45	22 36	0 36	5 26	0 41	16 27	1 0	16 22	2 10	4 6	0 44	11 34	1 50	5 48	13 29	12 48	12 27	25 5	9 28	0 56							
M 5	22 50	18 27	4 46	18 47	4 41	22 43	0 33	5 12	0 40	16 30	1 0	16 22	2 9	4 5	0 44	11 33	1 50	5 48	13 29	12 45	12 26	25 7	9 28	0 56							
T 6	22 44	13 2	4 14	18 52	4 37	22 50	0 31	4 57	0 39	16 33	1 1	16 21	2 9	4 4	0 44	11 33	1 50	5 48	13 29	12 42	12 25	25 8	9 29	0 56							
W 7	22 38	7 11	3 29	18 58	4 30	22 55	0 28	4 43	0 38	16 36	1 1	16 21	2 9	4 3	0 44	11 33	1 50	5 48	13 29	12 41	12 24	25 10	9 29	0 56							
T 8	22 31	1 13	2 34	19 6	4 23	23 0	0 26	4 28	0 37	16 39	1 1	16 21	2 9	4 2	0 44	11 33	1 49	5 48	13 30	12 40	12 23	25 12	9 29	0 56							
F 9	22 24	4n37	1 34	19 14	4 15	23 5	0 23	4 14	0 36	16 41	1 1	16 21	2 9	4 2	0 44	11 33	1 49	5 48	13 30	12 40	12 22	25 13	9 30	0 56							
S 10	22 17	10 9	0 31	19 24	4 5	23 8	0 20	3 59	0 35	16 44	1 1	16 20	2 8	4 1	0 44	11 33	1 49	5 48	13 30	12 40	12 21	25 15	9 30	0 56							
S 11	22 9	15 13	0n33	19 34	3 55	23 12	0 18	3 45	0 34	16 47	1 1	16 20	2 8	4 0	0 44	11 33	1 49	5 48	13 30	12 40	12 20	25 17	9 30	0 56							
M12	22 1	19 40	1 34	19 45	3 43	23 14	0 15	3 30	0 33	16 49	1 1	16 20	2 8	3 59	0 44	11 33	1 49	5 48	13 30	12 39	12 19	25 18	9 31	0 56							
T 13	21 52	23 19	2 31	19 57	3 31	23 16	0 13	3 15	0 32	16 52	1 1	16 20	2 8	3 58	0 44	11 33	1 49	5 48	13 31	12 38	12 18	25 20	9 31	0 56							
W14	21 43	25 59	3 21	20 9	3 19	23 17	0 10	3 0	0 32	16 55	1 1	16 20	2 7	3 57	0 44	11 33	1 49	5 48	13 31	12 36	12 16	25 22	9 31	0 56							
T 15	21 34	27 30	4 3	20 21	3 5	23 17	0 8	2 45	0 31	16 57	1 1	16 20	2 7	3 56	0 44	11 33	1 49	5 48	13 31	12 33	12 15	25 23	9 31	0 56							
F 16	21 24	27 45	4 35	20 34	2 52	23 17	0 5	2 30	0 30	17 0	1 1	16 20	2 7	3 55	0 44	11 33	1 49	5 48	13 31	12 29	12 14	25 25	9 31	0 56							
S 17	21 14	26 40	4 54	20 46	2 38	23 16	0 2	2 15	0 29	17 2	1 1	16 20	2 7	3 54	0 44	11 33	1 49	5 48	13 31	12 25	12 13	25 27	9 32	0 56							
S 18	21 4	24 18	5 0	20 59	2 23	23 14	0n 0	2 0	0 28	17 5	1 2	16 20	2 6	3 53	0 44	11 33	1 49	5 48	13 32	12 20	12 12	25 28	9 32	0 56							
M19	20 53	20 44	4 52	21 11	2 9	23 12	0 3	1 45	0 27	17 7	1 2	16 20	2 6	3 52	0 44	11 34	1 49	5 48	13 32	12 16	12 11	25 30	9 32	0 56							
T 20	20 42	16 11	4 29	21 22	1 54	23 8	0 5	1 30	0 26	17 10	1 2	16 20	2 6	3 51	0 44	11 34	1 49	5 48	13 32	12 12	12 10	25 31	9 32	0 56							
W21	20 31	10 51	3 52	21 33	1 39	23 5	0 8	1 15	0 25	17 12	1 2	16 20	2 6	3 50	0 44	11 34	1 49	5 48	13 32	12 9	12 9	25 33	9 32	0 56							
T 22	20 19	4 58	3 3	21 42	1 25	23 0	0 10	1 0	0 24	17 14	1 2	16 20	2 5	3 49	0 44	11 34	1 49	5 48	13 33	12 7	12 8	25 35	9 32	0 56							
F 23	20 7	1s14	2 3	21 51	1 10	22 55	0 13	0 44	0 23	17 16	1 2	16 20	2 5	3 48	0 44	11 34	1 49	5 47	13 33	12 6	12 7	25 36	9 32	0 56							
S 24	19 54	7 30	0 55	21 58	0 56	22 49	0 15	0 29	0 23	17 19	1 2	16 21	2 5	3 47	0 44	11 34	1 49	5 47	13 33	12 6	12 5	25 38	9 32	0 55							
S 25	19 41	13 32	0s18	22 3	0 41	22 43	0 18	0 14	0 22	17 21	1 2	16 21	2 5	3 46	0 44	11 34	1 48	5 47	13 33	12 6	12 4	25 39	9 32	0 55							
M26	19 28	19 1	1 31	22 7	0 28	22 36	0 20	0s 2	0 21	17 23	1 2	16 21	2 4	3 45	0 44	11 34	1 48	5 47	13 33	12 5	12 3	25 41	9 32	0 55							
T 27	19 15	23 31	2 40	22 9	0 14	22 28	0 22	0 17	0 20	17 25	1 3	16 21	2 4	3 43	0 44	11 35	1 48	5 47	13 34	12 5	12 2	25 42	9 32	0 55							
W28	19 1	26 35	3 39	22 9	0 1	22 20	0 25	0 32	0 19	17 27	1 3	16 22	2 4	3 42	0 44	11 35	1 48	5 47	13 34	12 3	12 1	25 44	9 32	0 55							
T 29	18 47	27 52	4 24	22 6	0n11	22 11	0 27	0 48	0 18	17 29	1 3	16 22	2 4	3 41	0 44	11 35	1 48	5 47	13 34	12 1	12 0	25 45	9 32	0 55							
F 30	18 32	27 9	4 52	22 1	0 23	22 1	0 29	1 3	0 17	17 31	1 3	16 22	2 3	3 40	0 44	11 35	1 48	5 47	13 34	11 58	11 59	25 47	9 32	0 55							
S 31	18n18	24s34	5s 0	21n53	0n34	21n50	0n32	1s19	0n17	17n33	1 s 3	16s22	2n 3	3n39	0n43	11s35	1n48	5n47	13s35	11n54	11n58	25n48	9n32	0n55							

ASTRODIENST EPHEMERIS for the year 1632

geocentric

AUGUST 1632 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 40 9	8♂59'44	16♂49	26♂1	25♂26	4♂33	23♂8	22♂13	22♂33	5♂13	24♂39	0°R57	1♂17	13♂8	22°R14	S 1
M 2	20 44 6	9°57'12	0♂59	27°56	26°39	5°10	23°16	22°13	22°36	5°14	24°39	0♂47	1°14	13°15	22°Y14	M 2
T 3	20 48 2	10°54'42	14°46	29°53	27°53	5°47	23°23	22°14	22°39	5°14	24°40	0°39	1°10	13°21	22°13	T 3
W 4	20 51 59	11°52'13	28° 6	1♂53	29° 7	6°25	23°31	22°15	22°42	5°15	24°40	0°33	1° 7	13°28	22°13	W 4
T 5	20 55 55	12°49'45	11♂1	3°53	0♂20	7° 2	23°38	22°16	22°46	5°15	24°41	0°29	1° 4	13°35	22°12	T 5
F 6	20 59 52	13°47'19	23°33	5°54	1°34	7°40	23°45	22°17	22°49	5°16	24°41	0°28	1° 1	13°42	22°12	F 6
S 7	21 3 48	14°44'54	5♂47	7°57	2°48	8°17	23°52	22°18	22°52	5°17	24°41	0°D28	0°58	13°48	22°11	S 7
S 8	21 7 45	15°42'30	17°47	9°59	4° 2	8°55	23°59	22°19	22°55	5°17	24°42	0°R28	0°55	13°55	22°10	S 8
M 9	21 11 41	16°40'08	29°39	12° 2	5°16	9°33	24° 6	22°20	22°58	5°18	24°42	0°27	0°51	14° 2	22°10	M 9
T 10	21 15 38	17°37'48	11♂28	14° 4	6°30	10°10	24°12	22°22	23° 1	5°19	24°42	0°25	0°48	14° 8	22° 9	T 10
W11	21 19 35	18°35'29	23°20	16° 7	7°43	10°48	24°19	22°23	23° 5	5°20	24°43	0°20	0°45	14°15	22° 8	W11
T 12	21 23 31	19°33'12	5♂17	18° 8	8°57	11°26	24°25	22°25	23° 8	5°20	24°43	0°13	0°42	14°22	22° 7	T 12
F 13	21 27 28	20°30'56	17°25	20° 9	10°11	12° 5	24°31	22°26	23°11	5°21	24°43	0° 3	0°39	14°28	22° 6	F 13
S 14	21 31 24	21°28'42	29°45	22° 9	11°25	12°43	24°37	22°28	23°15	5°22	24°43	29°Y52	0°36	14°35	22° 5	S 14
S 15	21 35 21	22°26'30	12♂18	24° 8	12°40	13°21	24°43	22°30	23°18	5°23	24°44	29°40	0°32	14°42	22° 4	S 15
M16	21 39 17	23°24'18	25° 5	26° 6	13°54	13°59	24°48	22°32	23°21	5°24	24°44	29°28	0°29	14°48	22° 3	M16
T 17	21 43 14	24°22'08	8♂6	28° 2	15° 8	14°38	24°54	22°34	23°25	5°25	24°44	29°18	0°26	14°55	22° 2	T 17
W18	21 47 10	25°20'00	21°19	29°58	16°22	15°17	24°59	22°36	23°28	5°26	24°44	29°11	0°23	15° 2	22° 1	W18
T 19	21 51 7	26°17'53	4♂43	1♂52	17°36	15°55	25° 4	22°38	23°32	5°27	24°44	29° 6	0°20	15° 8	21°59	T 19
F 20	21 55 4	27°15'47	18°17	3°45	18°50	16°34	25° 9	22°41	23°35	5°28	24°44	29° 3	0°16	15°15	21°58	F 20
S 21	21 59 0	28°13'42	2♂1	5°37	20° 4	17°13	25°14	22°43	23°39	5°29	24°44	29°D 3	0°13	15°22	21°57	S 21
S 22	22 2 57	29°11'39	15°54	7°27	21°19	17°52	25°18	22°45	23°42	5°30	24°45	29° 3	0°10	15°28	21°55	S 22
M23	22 6 53	0♂9'37	29°56	9°16	22°33	18°31	25°23	22°48	23°46	5°32	24°45	29°R 4	0° 7	15°35	21°54	M23
T 24	22 10 50	1° 7'37	14♂7	11° 4	23°47	19°10	25°27	22°51	23°49	5°33	24°R45	29° 3	0° 4	15°42	21°52	T 24
W25	22 14 46	2° 5'38	28°24	12°51	25° 2	19°49	25°31	22°53	23°53	5°34	24°45	29° 1	0° 1	15°48	21°51	W25
T 26	22 18 43	3° 3'40	12♂45	14°36	26°16	20°28	25°35	22°56	23°56	5°35	24°45	28°56	29°Y57	15°55	21°49	T 26
F 27	22 22 39	4° 1'44	27° 7	16°20	27°30	21° 7	25°39	22°59	24° 0	5°36	24°45	28°49	29°54	16° 2	21°47	F 27
S 28	22 26 36	4°59'49	11♂24	18° 3	28°45	21°47	25°42	23° 2	24° 4	5°38	24°44	28°40	29°51	16° 9	21°46	S 28
S 29	22 30 33	5°57'56	25°31	19°44	29°59	22°26	25°45	23° 5	24° 7	5°39	24°44	28°32	29°48	16°15	21°44	S 29
M30	22 34 29	6°56'04	9♂22	21°24	1♂13	23° 6	25°48	23° 9	24°11	5°40	24°44	28°24	29°45	16°22	21°42	M30
T 31	22 38 26	7♂54'14	22♂55	23♂3	2♂28	23♂45	25♂51	23♂12	24♂14	5♂42	24♂44	28°Y17	29°Y42	16♂29	21°Y40	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	18n 3	20s25	4s49	21n43	0n44	21n39	0n34	1s34	0n16	17n35	1s 3	16s23	2n 3	3n38	0n43	11s35
M 2	17 47	15 12	4 20	21 30	0 54	21 28	0 36	1 50	0 15	17 36	1 3	16 23	2 3	3 36	0 43	11 36
T 3	17 32	9 21	3 37	21 15	1 3	21 15	0 38	2 5	0 14	17 38	1 3	16 24	2 2	3 35	0 43	11 36
W 4	17 16	3 14	2 42	20 56	1 11	21 2	0 41	2 21	0 13	17 40	1 3	16 24	2 2	3 34	0 43	11 36
T 5	17 0	2n49	1 41	20 35	1 18	20 49	0 43	2 36	0 12	17 42	1 4	16 25	2 2	3 33	0 43	11 36
F 6	16 43	8 36	0 37	20 12	1 25	20 35	0 45	2 52	0 12	17 43	1 4	16 25	2 2	3 31	0 43	11 37
S 7	16 27	13 55	0n28	19 46	1 30	20 20	0 47	3 8	0 11	17 45	1 4	16 26	2 1	3 30	0 43	11 37
S 8	16 10	18 37	1 31	19 18	1 35	20 5	0 49	3 23	0 10	17 47	1 4	16 26	2 1	3 29	0 43	11 37
M 9	15 52	22 32	2 28	18 48	1 39	19 49	0 51	3 39	0 9	17 48	1 4	16 27	2 1	3 27	0 43	11 38
T 10	15 35	25 30	3 19	18 16	1 42	19 32	0 53	3 55	0 8	17 50	1 4	16 27	2 1	3 26	0 43	11 38
W11	15 17	27 21	4 2	17 41	1 44	19 15	0 55	4 10	0 8	17 51	1 4	16 28	2 0	3 25	0 43	11 38
T 12	14 59	27 57	4 34	17 6	1 45	18 58	0 56	4 26	0 7	17 52	1 4	16 29	2 0	3 24	0 43	11 39
F 13	14 41	27 13	4 55	16 28	1 46	18 40	0 58	4 41	0 6	17 54	1 4	16 29	2 0	3 22	0 43	11 39
S 14	14 22	25 10	5 2	15 50	1 46	18 21	1 0	4 57	0 5	17 55	1 5	16 30	2 0	3 21	0 43	11 39
S 15	14 4	21 51	4 55	15 10	1 45	18 2	1 1	5 13	0 4	17 56	1 5	16 31	1 59	3 20	0 43	11 40
M16	13 45	17 28	4 33	14 29	1 44	17 42	1 3	5 28	0 4	17 58	1 5	16 31	1 59	3 18	0 43	11 40
T 17	13 26	12 12	3 56	13 47	1 42	17 22	1 5	5 44	0 3	17 59	1 5	16 32	1 59	3 17	0 43	11 40
W18	13 6	6 19	3 7	13 4	1 40	17 1	1 6	6 0	0 2	18 0	1 5	16 33	1 59	3 15	0 43	11 41
T 19	12 47	0 3	2 6	12 20	1 37	16 40	1 8	6 15	0 1	18 1	1 5	16 34	1 58	3 14	0 43	11 41
F 20	12 27	6s18	0 57	11 36	1 34	16 18	1 9	6 31	0 1	18 2	1 5	16 34	1 58	3 13	0 43	11 41
S 21	12 7	12 27	0s16	10 52	1 30	15 56	1 10	6 47	0s 0	18 3	1 6	16 35	1 58	3 11	0 43	11 42
S 22	11 47	18 3	1 29	10 7	1 26	15 34	1 12	7 2	0 1	18 4	1 6	16 36	1 58	3 10	0 43	11 42
M23	11 26	22 44	2 37	9 22	1 21	15 11	1 13	7 18	0 2	18 5	1 6	16 37	1 57	3 8	0 43	11 43
T 24	11 6	26 8	3 37	8 36	1 16	14 47	1 14	7 33	0 2	18 6	1 6	16 38	1 57	3 7	0 43	11 43
W25	10 45	27 52	4 23	7 51	1 11	14 23	1 15	7 49	0 3	18 7	1 6	16 39	1 57	3 6	0 43	11 44
T 26	10 24	27 45	4 54	7 5	1 5	13 59	1 16	8 4	0 4	18 7	1 6	16 40	1 57	3 4	0 43	11 44
F 27	10 3	25 46	5 5	6 19	0 59	13 35	1 17	8 20	0 5	18 8	1 6	16 41	1 56	3 3	0 43	11 45
S 28	9 42	22 10	4 58	5 33	0 53	13 10	1 18	8 35	0 5	18 9	1 6	16 42	1 56	3 1	0 43	11 45
S 29	9 21	17 19	4 33	4 48	0 47	12 44	1 19	8 51	0 6	18 10	1 7	16 43	1 56	3 0	0 43	11 46
M30	8 59	11 39	3 52	4 2	0 40	12 18	1 20	9 6	0 7	18 10	1 7	16 44	1 56	2 58	0 43	11 46
T 31	8n37	5s33	2s58	3n17	0n34	11n52	1n21	9s21	0s 8	18n11	1s 7	16s45	1n56	2n57	0n43	11s47

Julian Day Number = 2317348.5, Delta T = 55.92 sec
 Ecliptic obliquity = 23°29'21", Nutation = - 0°00'07", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°36'44", Lahiri = 18°43'44"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1632

geocentric

SEPTEMBER 1632 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 42 22	8 ^h 52'26"	6 ^h 6'	24 ^h 41'	3 ^h 42'	24 ^h 25'	25 ^h 54'	23 ^h 15'	24 ^h 18'	5 ^h 43'	24 ^h R44	28 ^h R13	29 ^h Y38	16 ^h II35	21 ^h R38	W 1
T 2	22 46 19	9 ^h 50'39"	18 ^h 56'	26 ^h 18'	4 ^h 57'	25 ^h 5'	25 ^h 57'	23 ^h 19'	24 ^h 22'	5 ^h 45'	24 ^h B44	28 ^h Y11	29 ^h 35'	16 ^h 42'	21 ^h Y36	T 2
F 3	22 50 15	10 ^h 48'55"	18 ^h 26'	27 ^h 53'	6 ^h 11'	25 ^h 45'	25 ^h 59'	23 ^h 22'	24 ^h 26'	5 ^h 46'	24 ^h 44'	28 ^h D10	29 ^h 32'	16 ^h 49'	21 ^h 35'	F 3
S 4	22 54 12	11 ^h 47'13"	13 ^h 40'	29 ^h 28'	7 ^h 26'	26 ^h 25'	26 ^h 1'	23 ^h 26'	24 ^h 29'	5 ^h 47'	24 ^h 43'	28 ^h 11'	29 ^h 29'	16 ^h 55'	21 ^h 33'	S 4
S 5	22 58 8	12 ^h 45'33"	25 ^h 41'	1 ^h 1	8 ^h 40'	27 ^h 5'	26 ^h 3'	23 ^h 29'	24 ^h 33'	5 ^h 49'	24 ^h 43'	28 ^h 13'	29 ^h 26'	17 ^h 2'	21 ^h 30'	S 5
M 6	23 2 5	13 ^h 43'55"	7 ^h II35	2 ^h 33'	9 ^h 55'	27 ^h 45'	26 ^h 5'	23 ^h 33'	24 ^h 37'	5 ^h 50'	24 ^h 43'	28 ^h 14'	29 ^h 22'	17 ^h 9'	21 ^h 28'	M 6
T 7	23 6 2	14 ^h 42'19"	19 ^h 25'	4 ^h 4'	11 ^h 10'	28 ^h 25'	26 ^h 7'	23 ^h 37'	24 ^h 40'	5 ^h 52'	24 ^h 43'	28 ^h R14	29 ^h 19'	17 ^h 15'	21 ^h 26'	T 7
W 8	23 9 58	15 ^h 40'45"	18 ^h 18'	5 ^h 34'	12 ^h 24'	29 ^h 5'	26 ^h 8'	23 ^h 41'	24 ^h 44'	5 ^h 54'	24 ^h 42'	28 ^h 12'	29 ^h 16'	17 ^h 22'	21 ^h 24'	W 8
T 9	23 13 55	16 ^h 39'13"	13 ^h 18'	7 ^h 3'	13 ^h 39'	29 ^h 45'	26 ^h 9'	23 ^h 45'	24 ^h 48'	5 ^h 55'	24 ^h 42'	28 ^h 9'	29 ^h 13'	17 ^h 29'	21 ^h 22'	T 9
F 10	23 17 51	17 ^h 37'44"	25 ^h 30'	8 ^h 31'	14 ^h 53'	0 ^h ML26	26 ^h 10'	23 ^h 49'	24 ^h 52'	5 ^h 57'	24 ^h 42'	28 ^h 4'	29 ^h 10'	17 ^h 35'	21 ^h 20'	F 10
S 11	23 21 48	18 ^h 36'17"	7 ^h Q57	9 ^h 57'	16 ^h 8'	1 ^h 6'	26 ^h 11'	23 ^h 53'	24 ^h 55'	5 ^h 58'	24 ^h 41'	27 ^h 58'	29 ^h 7'	17 ^h 42'	21 ^h 17'	S 11
S 12	23 25 44	19 ^h 34'51"	20 ^h 40'	11 ^h 22'	17 ^h 23'	1 ^h 47'	26 ^h 11'	23 ^h 57'	24 ^h 59'	6 ^h 0'	24 ^h 41'	27 ^h 52'	29 ^h 3'	17 ^h 49'	21 ^h 15'	S 12
M13	23 29 41	20 ^h 33'28"	3 ^h II42	12 ^h 46'	18 ^h 38'	2 ^h 28'	26 ^h 12'	24 ^h 2'	25 ^h 3'	6 ^h 2'	24 ^h 41'	27 ^h 45'	29 ^h 0'	17 ^h 56'	21 ^h 13'	M13
T 14	23 33 37	21 ^h 32'07"	17 ^h 1'	14 ^h 9'	19 ^h 52'	3 ^h 8'	26 ^h R12	24 ^h 6'	25 ^h 7'	6 ^h 3'	24 ^h 40'	27 ^h 39'	28 ^h 57'	18 ^h 2'	21 ^h 10'	T 14
W15	23 37 34	22 ^h 30'48"	0 ^h II37	15 ^h 31'	21 ^h 7'	3 ^h 49'	26 ^h 12'	24 ^h 11'	25 ^h 11'	6 ^h 5'	24 ^h 40'	27 ^h 35'	28 ^h 54'	18 ^h 9'	21 ^h 8'	W15
T 16	23 41 31	23 ^h 29'30"	14 ^h 26'	16 ^h 51'	22 ^h 22'	4 ^h 30'	26 ^h 12'	24 ^h 15'	25 ^h 14'	6 ^h 7'	24 ^h 39'	27 ^h 33'	28 ^h 51'	18 ^h 16'	21 ^h 5'	T 16
F 17	23 45 27	24 ^h 28'15"	28 ^h 25'	18 ^h 10'	23 ^h 37'	5 ^h 11'	26 ^h 11'	24 ^h 20'	25 ^h 18'	6 ^h 9'	24 ^h 39'	27 ^h D32	28 ^h 47'	18 ^h 22'	21 ^h 3'	F 17
S 18	23 49 24	25 ^h 27'01"	12 ^h ML32	19 ^h 28'	24 ^h 51'	5 ^h 52'	26 ^h 11'	24 ^h 24'	25 ^h 22'	6 ^h 11'	24 ^h 38'	27 ^h 33'	28 ^h 44'	18 ^h 29'	21 ^h 0'	S 18
S 19	23 53 20	26 ^h 25'50"	26 ^h 43'	20 ^h 44'	26 ^h 6'	6 ^h 33'	26 ^h 10'	24 ^h 29'	25 ^h 26'	6 ^h 12'	24 ^h 38'	27 ^h 34'	28 ^h 41'	18 ^h 36'	20 ^h 58'	S 19
M20	23 57 17	27 ^h 24'40"	10 ^h Y56	21 ^h 59'	27 ^h 21'	7 ^h 14'	26 ^h 9'	24 ^h 34'	25 ^h 29'	6 ^h 14'	24 ^h 37'	27 ^h 36'	28 ^h 38'	18 ^h 42'	20 ^h 55'	M20
T 21	0 1 13	28 ^h 23'32"	25 ^h 8'	23 ^h 12'	28 ^h 36'	7 ^h 56'	26 ^h 8'	24 ^h 39'	25 ^h 33'	6 ^h 16'	24 ^h 37'	27 ^h R37	28 ^h 35'	18 ^h 49'	20 ^h 53'	T 21
W22	0 5 10	29 ^h 22'25"	9 ^h Y18	24 ^h 23'	29 ^h 51'	8 ^h 37'	26 ^h 6'	24 ^h 44'	25 ^h 37'	6 ^h 18'	24 ^h 36'	27 ^h 36'	28 ^h 32'	18 ^h 56'	20 ^h 50'	W22
T 23	0 9 6	0 ^h II21'21"	23 ^h 23'	25 ^h 33'	1 ^h II6	9 ^h 18'	26 ^h 4'	24 ^h 49'	25 ^h 41'	6 ^h 20'	24 ^h 36'	27 ^h 35'	28 ^h 28'	19 ^h 2'	20 ^h 47'	T 23
F 24	0 13 3	1 ^h 20'18"	7 ^h Y22	26 ^h 41'	2 ^h 21'	10 ^h 0'	26 ^h 3'	24 ^h 54'	25 ^h 45'	6 ^h 22'	24 ^h 35'	27 ^h 32'	28 ^h 25'	19 ^h 9'	20 ^h 45'	F 24
S 25	0 17 0	2 ^h 19'16"	21 ^h 12'	27 ^h 46'	3 ^h 35'	10 ^h 41'	26 ^h 1'	24 ^h 59'	25 ^h 48'	6 ^h 24'	24 ^h 34'	27 ^h 28'	28 ^h 22'	19 ^h 16'	20 ^h 42'	S 25
S 26	0 20 56	3 ^h 18'17"	4 ^h Y51	28 ^h 50'	4 ^h 50'	11 ^h 23'	25 ^h 58'	25 ^h 4'	25 ^h 52'	6 ^h 26'	24 ^h 34'	27 ^h 25'	28 ^h 19'	19 ^h 23'	20 ^h 39'	S 26
M27	0 24 53	4 ^h 17'19"	18 ^h 17'	29 ^h 51'	6 ^h 5'	12 ^h 5'	25 ^h 56'	25 ^h 9'	25 ^h 56'	6 ^h 28'	24 ^h 33'	27 ^h 21'	28 ^h 16'	19 ^h 29'	20 ^h 37'	M27
T 28	0 28 49	5 ^h 16'23"	1 ^h Y27	0 ^h ML50	7 ^h 20'	12 ^h 47'	25 ^h 53'	25 ^h 15'	26 ^h 0'	6 ^h 29'	24 ^h 32'	27 ^h 19'	28 ^h 13'	19 ^h 36'	20 ^h 34'	T 28
W29	0 32 46	6 ^h 15'30"	14 ^h 22'	1 ^h 45'	8 ^h 35'	13 ^h 28'	25 ^h 50'	25 ^h 20'	26 ^h 3'	6 ^h 31'	24 ^h 32'	27 ^h 17'	28 ^h 9'	19 ^h 43'	20 ^h 31'	W29
T 30	0 36 42	7 ^h II14'38"	27 ^h Y0	2 ^h ML38	9 ^h II50	14 ^h ML10	25 ^h B47	25 ^h ML26	26 ^h ML7	6 ^h ML33	24 ^h B31	27 ^h D16	28 ^h Y6	19 ^h II49	20 ^h Y28	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 1632
geocentric

OCTOBER 1632 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 40 39	8♂13'49	9♂24	3♂27	11♂ 5	14♂52	25°R44	25♂31	26♂11	6♂35	24°R30	27°Y17	28°Y 3	19♂56	20°R26	F 1
S 2	0 44 35	9°13'02	21°34	4°13	12°20	15°34	25♂41	25°37	26°14	6°38	24♂30	27°18	28° 0	20° 3	20°Y23	S 2
S 3	0 48 32	10°12'17	3♂34	4°55	13°35	16°16	25°37	25°42	26°18	6°40	24°29	27°19	27°57	20° 9	20°20	S 3
M 4	0 52 28	11°11'35	15°27	5°33	14°50	16°59	25°33	25°48	26°22	6°42	24°28	27°21	27°53	20°16	20°17	M 4
T 5	0 56 25	12°10'54	27°18	6° 6	16° 5	17°41	25°30	25°54	26°26	6°44	24°27	27°22	27°50	20°23	20°14	T 5
W 6	1 0 22	13°10'17	9♂11	6°34	17°20	18°23	25°25	25°59	26°29	6°46	24°26	27°R23	27°47	20°29	20°11	W 6
T 7	1 4 18	14° 9'41	21°10	6°56	18°35	19° 6	25°21	26° 5	26°33	6°48	24°26	27°23	27°44	20°36	20° 9	T 7
F 8	1 8 15	15° 9'08	3♂21	7°12	19°50	19°48	25°17	26°11	26°37	6°50	24°25	27°22	27°41	20°43	20° 6	F 8
S 9	1 12 11	16° 8'37	15°48	7°21	21° 5	20°31	25°12	26°17	26°40	6°52	24°24	27°21	27°38	20°50	20° 3	S 9
S 10	1 16 8	17° 8'08	28°35	7°R24	22°20	21°14	25° 7	26°23	26°44	6°54	24°23	27°19	27°34	20°56	20° 0	S 10
M 11	1 20 4	18° 7'42	11♂43	7°18	23°35	21°56	25° 2	26°29	26°47	6°56	24°22	27°18	27°31	21° 3	19°57	M 11
T 12	1 24 1	19° 7'17	25°14	7° 5	24°50	22°39	24°57	26°35	26°51	6°59	24°21	27°17	27°28	21°10	19°54	T 12
W 13	1 27 57	20° 6'55	9♂ 7	6°43	26° 5	23°22	24°51	26°41	26°55	7° 1	24°20	27°16	27°25	21°16	19°51	W 13
T 14	1 31 54	21° 6'35	23°18	6°12	27°20	24° 5	24°46	26°48	26°58	7° 3	24°20	27°D16	27°22	21°23	19°48	T 14
F 15	1 35 51	22° 6'17	7♂45	5°33	28°35	24°48	24°40	26°54	27° 2	7° 5	24°19	27°16	27°19	21°30	19°46	F 15
S 16	1 39 47	23° 6'01	22°20	4°45	29°50	25°31	24°34	27° 0	27° 5	7° 7	24°18	27°16	27°15	21°36	19°43	S 16
S 17	1 43 44	24° 5'47	6♂58	3°49	1♂ 5	26°14	24°28	27° 6	27° 9	7° 9	24°17	27°17	27°12	21°43	19°40	S 17
M 18	1 47 40	25° 5'35	21°32	2°46	2°20	26°57	24°22	27°13	27°12	7°12	24°16	27°17	27° 9	21°50	19°37	M 18
T 19	1 51 37	26° 5'25	5♂59	1°37	3°36	27°41	24°16	27°19	27°16	7°14	24°15	27°17	27° 6	21°57	19°34	T 19
W 20	1 55 33	27° 5'16	20°13	0°23	4°51	28°24	24° 9	27°25	27°19	7°16	24°14	27°17	27° 3	22° 3	19°31	W 20
T 21	1 59 30	28° 5'09	4♂14	29♂ 7	6° 6	29° 7	24° 3	27°32	27°22	7°18	24°13	27°17	26°59	22°10	19°28	T 21
F 22	2 3 26	29° 5'03	17°59	27°50	7°21	29°51	23°56	27°38	27°26	7°21	24°12	27°17	26°56	22°17	19°26	F 22
S 23	2 7 23	0♂45'9	1♂29	26°36	8°36	0♂34	23°49	27°45	27°29	7°23	24°11	27°17	26°53	22°23	19°23	S 23
S 24	2 11 20	1° 4'57	14°44	25°26	9°51	1°18	23°42	27°52	27°32	7°25	24°10	27°18	26°50	22°30	19°20	S 24
M 25	2 15 16	2° 4'56	27°44	24°23	11° 6	2° 2	23°35	27°58	27°36	7°27	24° 9	27°18	26°47	22°37	19°17	M 25
T 26	2 19 13	3° 4'57	10°Y31	23°28	12°21	2°45	23°28	28° 5	27°39	7°30	24° 8	27°19	26°44	22°43	19°14	T 26
W 27	2 23 9	4° 5'00	23° 6	22°43	13°36	3°29	23°21	28°11	27°42	7°32	24° 7	27°R19	26°40	22°50	19°11	W 27
T 28	2 27 6	5° 5'05	5♂29	22°10	14°51	4°13	23°13	28°18	27°45	7°34	24° 6	27°19	26°37	22°57	19° 9	T 28
F 29	2 31 2	6° 5'11	17°42	21°47	16° 6	4°57	23° 6	28°25	27°49	7°36	24° 5	27°18	26°34	23° 3	19° 6	F 29
S 30	2 34 59	7° 5'20	29°46	21°D36	17°22	5°41	22°58	28°32	27°52	7°38	24° 4	27°17	26°31	23°10	19° 3	S 30
S 31	2 38 55	8♂ 5'30	11♂43	21♂37	18♂37	6♂25	22♂51	28♂38	27♂55	7♂41	24♂ 2	27°Y16	26°Y28	23♂17	19°Y 1	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	3s16	15n42	1n 6	15s37	3s 7	3s17	1n13	16s47	0s28	18n 5	1s11	17s25	1n49	2n11	0n43	12s 5
S 2	3 40	20 17	2 10	15 57	3 11	3 47	1 12	17 0	0 29	18 5	1 11	17 26	1 49	2 9	0 43	12 6
S 3	4 3	23 58	3 7	16 14	3 15	4 18	1 10	17 13	0 30	18 4	1 11	17 28	1 49	2 8	0 43	12 7
M 4	4 26	26 36	3 56	16 30	3 17	4 48	1 9	17 25	0 30	18 3	1 11	17 29	1 49	2 6	0 43	12 7
T 5	4 49	28 2	4 34	16 43	3 20	5 18	1 7	17 38	0 31	18 2	1 11	17 31	1 49	2 5	0 43	12 8
W 6	5 13	28 10	5 1	16 54	3 21	5 48	1 6	17 50	0 31	18 1	1 11	17 32	1 49	2 3	0 43	12 9
T 7	5 36	27 0	5 15	17 2	3 22	6 18	1 4	18 3	0 32	17 59	1 11	17 34	1 48	2 2	0 43	12 10
F 8	5 59	24 33	5 15	17 7	3 21	6 48	1 3	18 15	0 33	17 58	1 11	17 35	1 48	2 0	0 43	12 10
S 9	6 22	20 54	5 0	17 8	3 20	7 18	1 1	18 27	0 33	17 57	1 11	17 37	1 48	1 59	0 43	12 11
S 10	6 45	16 13	4 31	17 6	3 17	7 47	1 0	18 39	0 34	17 56	1 11	17 38	1 48	1 57	0 43	12 12
M 11	7 7	10 40	3 46	17 1	3 13	8 17	0 58	18 50	0 34	17 55	1 11	17 40	1 48	1 56	0 43	12 12
T 12	7 30	4 28	2 48	16 51	3 7	8 46	0 56	19 2	0 35	17 53	1 11	17 41	1 48	1 55	0 43	12 13
W 13	7 53	2s 6	1 39	16 37	3 0	9 15	0 54	19 13	0 35	17 52	1 11	17 43	1 47	1 53	0 43	12 14
T 14	8 15	8 44	0 22	16 19	2 52	9 44	0 53	19 25	0 36	17 51	1 12	17 44	1 47	1 52	0 43	12 15
F 15	8 38	15 2	0s58	15 56	2 41	10 12	0 51	19 36	0 37	17 49	1 12	17 46	1 47	1 50	0 43	12 15
S 16	9 0	20 34	2 15	15 28	2 29	10 41	0 49	19 47	0 37	17 48	1 12	17 48	1 47	1 49	0 43	12 16
S 17	9 22	24 51	3 23	14 56	2 15	11 9	0 47	19 58	0 38	17 46	1 12	17 49	1 47	1 48	0 43	12 17
M 18	9 44	27 30	4 18	14 19	1 59	11 37	0 45	20 8	0 38	17 45	1 12	17 51	1 47	1 46	0 43	12 17
T 19	10 6	28 17	4 56	13 39	1 42	12 4	0 43	20 19	0 39	17 43	1 12	17 52	1 47	1 45	0 43	12 18
W 20	10 27	27 9	5 15	12 55	1 23	12 32	0 41	20 29	0 39	17 41	1 12	17 54	1 46	1 44	0 43	12 19
T 21	10 49	24 20	5 15	12 10	1 3	12 59	0 38	20 39	0 40	17 40	1 12	17 55	1 46	1 42	0 43	12 20
F 22	11 10	20 11	4 57	11 23	0 43	13 25	0 36	20 49	0 40	17 38	1 12	17 57	1 46	1 41	0 43	12 20
S 23	11 31	15 3	4 23	10 37	0 22	13 52	0 34	20 59	0 41	17 37	1 12	17 59	1 46	1 40	0 43	12 21
S 24	11 52	9 20	3 35	9 53	0 1	14 18	0 32	21 8	0 41	17 35	1 12	18 0	1 46	1 38	0 43	12 22
M 25	12 13	3 18	2 37	9 11	0n19	14 43	0 30	21 18	0 42	17 33	1 12	18 2	1 46	1 37	0 43	12 23
T 26	12 34	2n46	1 32	8 33	0 37	15 8	0 27	21 27	0 42	17 31	1 12	18 3	1 46	1 36	0 43	12 23
W 27	12 54	8 38	0 23	8 0	0 55	15 33	0 25	21 36	0 43	17 29	1 12	18 5	1 46	1 34	0 43	12 24
T 28	13 15	14 5	0n45	7 33	1 11	15 58	0 23	21 45	0 43	17 28	1 12	18 6	1 46	1 33	0 43	12 25
F 29	13 35	18 55	1 51	7 11	1 25	16 22	0 21	21 53	0 44	17 26	1 12	18 8	1 45	1 32	0 43	12 25
S 30	13 54	22 55	2 50	6 56	1 38	16 46	0 18	22 1	0 44	17 24	1 12	18 10	1 45	1 31	0 43	12 26
S 31	14s14	25n54	3n42	6s46	1n48	17s 9	0n16	22s10	0s45	17n22	1s12	18s11	1n45	1n29	0n43	12s27

Julian Day Number = 2317409.5, Delta T = 55.79 sec
Ecliptic obliquity = 23°29'22", Nutation = - 0°00'09", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°36'52", Lahiri = 18°43'53"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1632
geocentric

NOVEMBER 1632 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 42 52	9♉ 5'43	23♊35	21♊49	19♉52	7♊ 9	22°R43	28♉45	27♉58	7♉43	24°R 1	27°R14	26♉24	23♊24	18°R58	M 1
T 2	2 46 49	10° 5'57	5♊25	22°10	21° 7	7°53	22♊35	28°52	28° 1	7°45	24♊ 0	27°Y12	26°21	23°30	18°Y55	T 2
W 3	2 50 45	11° 6'13	17°17	22°42	22°22	8°37	22°27	28°59	28° 4	7°47	23°59	27°11	26°18	23°37	18°53	W 3
T 4	2 54 42	12° 6'32	29°15	23°22	23°37	9°22	22°19	29° 6	28° 7	7°50	23°58	27° 9	26°15	23°44	18°50	T 4
F 5	2 58 38	13° 6'52	11♊23	24° 9	24°52	10° 6	22°11	29°13	28°10	7°52	23°57	27°D 9	26°12	23°50	18°47	F 5
S 6	3 2 35	14° 7'15	23°46	25° 4	26° 7	10°51	22° 3	29°20	28°13	7°54	23°56	27° 9	26° 9	23°57	18°45	S 6
S 7	3 6 31	15° 7'39	6♉27	26° 5	27°22	11°35	21°55	29°27	28°16	7°56	23°55	27°10	26° 5	24° 4	18°42	S 7
M 8	3 10 28	16° 8'05	19°32	27°10	28°37	12°20	21°47	29°34	28°19	7°59	23°54	27°12	26° 2	24°11	18°40	M 8
T 9	3 14 24	17° 8'33	3♊ 3	28°21	29°53	13° 4	21°39	29°40	28°22	8° 1	23°53	27°13	25°59	24°17	18°37	T 9
W10	3 18 21	18° 9'03	17° 0	29°35	1♊ 8	13°49	21°31	29°47	28°24	8° 3	23°51	27°14	25°56	24°24	18°35	W10
T 11	3 22 18	19° 9'34	1♉22	0♉52	2°23	14°34	21°23	29°54	28°27	8° 5	23°50	27°R14	25°53	24°31	18°33	T 11
F 12	3 26 14	20°10'08	16° 6	2°13	3°38	15°18	21°15	0♊ 2	28°30	8° 8	23°49	27°13	25°50	24°37	18°30	F 12
S 13	3 30 11	21°10'43	1♊ 5	3°35	4°53	16° 3	21° 6	0° 9	28°32	8°10	23°48	27°11	25°46	24°44	18°28	S 13
S 14	3 34 7	22°11'19	16° 9	5° 0	6° 8	16°48	20°58	0°16	28°35	8°12	23°47	27° 8	25°43	24°51	18°26	S 14
M15	3 38 4	23°11'57	1♊10	6°26	7°23	17°33	20°50	0°23	28°38	8°14	23°46	27° 4	25°40	24°57	18°23	M15
T 16	3 42 0	24°12'37	15°59	7°54	8°38	18°18	20°42	0°30	28°40	8°16	23°45	27° 1	25°37	25° 4	18°21	T 16
W17	3 45 57	25°13'17	0♊29	9°23	9°54	19° 3	20°34	0°37	28°43	8°19	23°44	26°58	25°34	25°11	18°19	W17
T 18	3 49 53	26°13'58	14°38	10°53	11° 9	19°48	20°26	0°44	28°45	8°21	23°42	26°56	25°30	25°18	18°17	T 18
F 19	3 53 50	27°14'41	28°22	12°23	12°24	20°34	20°18	0°51	28°48	8°23	23°41	26°D55	25°27	25°24	18°15	F 19
S 20	3 57 47	28°15'24	11♊44	13°54	13°39	21°19	20° 9	0°58	28°50	8°25	23°40	26°56	25°24	25°31	18°13	S 20
S 21	4 1 43	29°16'09	24°45	15°26	14°54	22° 4	20° 1	1° 5	28°52	8°27	23°39	26°57	25°21	25°38	18°11	S 21
M22	4 5 40	0♊16'54	7♉28	16°58	16° 9	22°50	19°54	1°12	28°55	8°29	23°38	26°59	25°18	25°44	18° 9	M22
T 23	4 9 36	1°17'41	19°57	18°31	17°24	23°35	19°46	1°19	28°57	8°31	23°37	27° 0	25°15	25°51	18° 7	T 23
W24	4 13 33	2°18'28	2♊15	20° 3	18°39	24°20	19°38	1°26	28°59	8°34	23°36	27°R 0	25°11	25°58	18° 5	W24
T 25	4 17 29	3°19'17	14°23	21°36	19°54	25° 6	19°30	1°34	29° 1	8°36	23°35	26°59	25° 8	26° 4	18° 3	T 25
F 26	4 21 26	4°20'07	26°25	23°10	21° 9	25°51	19°22	1°41	29° 3	8°38	23°33	26°55	25° 5	26°11	18° 1	F 26
S 27	4 25 22	5°20'58	8♊22	24°43	22°24	26°37	19°15	1°48	29° 5	8°40	23°32	26°50	25° 2	26°18	18° 0	S 27
S 28	4 29 19	6°21'50	20°15	26°16	23°39	27°23	19° 7	1°55	29° 7	8°42	23°31	26°43	24°59	26°25	17°58	S 28
M29	4 33 16	7°22'44	2♊ 6	27°49	24°54	28° 8	19° 0	2° 2	29° 9	8°44	23°30	26°35	24°56	26°31	17°56	M29
T 30	4 37 12	8♊23'38	13♊58	29♉23	26♊10	28♊54	18♊53	2♊ 9	29♉11	8♉46	23♊29	26°Y27	24°Y52	26♊38	17°Y55	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
M 1	14s33	27n43	4n23	6s42	1n57	17s32	0n13	22s18	0s45	17n20	1s12	18s13	1n45	1n28	0n43	12s28	1n45	5n20	13s53	10n31	10n13	27n38	8n13	0n50	
T 2	14 53	28 16	4 54	6 44	2 4	17 54	0 11	22 25	0 46	17 18	1 11	18 14	1 45	1 27	0 43	12 28	1 45	5 20	13 53	10 30	10 12	27 39	8 12	0 50	
W 3	15 11	27 31	5 11	6 50	2 10	18 16	0 9	22 33	0 46	17 16	1 11	18 16	1 45	1 26	0 43	12 29	1 45	5 20	13 53	10 29	10 10	27 40	8 10	0 50	
T 4	15 30	25 30	5 16	7 1	2 14	18 37	0 6	22 40	0 47	17 14	1 11	18 18	1 45	1 25	0 43	12 30	1 45	5 20	13 53	10 29	10 9	27 41	8 9	0 49	
F 5	15 48	22 18	5 6	7 16	2 16	18 58	0 4	22 47	0 47	17 12	1 11	18 19	1 45	1 24	0 43	12 31	1 45	5 19	13 53	10 29	10 8	27 41	8 8	0 49	
S 6	16 7	18 4	4 43	7 35	2 18	19 18	0 1	22 54	0 48	17 10	1 11	18 21	1 45	1 22	0 43	12 31	1 45	5 19	13 53	10 29	10 7	27 42	8 7	0 49	
S 7	16 24	12 57	4 5	7 57	2 18	19 38	0s 1	23 1	0 48	17 8	1 11	18 22	1 45	1 21	0 43	12 32	1 45	5 19	13 53	10 29	10 6	27 43	8 6	0 49	
M 8	16 42	7 7	3 13	8 21	2 17	19 57	0 4	23 7	0 49	17 6	1 11	18 24	1 44	1 20	0 43	12 33	1 45	5 19	13 53	10 30	10 5	27 44	8 5	0 49	
T 9	16 59	0 46	2 9	8 48	2 15	20 16	0 6	23 13	0 49	17 4	1 11	18 25	1 44	1 19	0 43	12 33	1 45	5 18	13 53	10 30	10 3	27 45	8 4	0 49	
W10	17 16	5s50	0 56	9 16	2 13	20 34	0 9	23 19	0 49	17 2	1 11	18 27	1 44	1 18	0 43	12 34	1 45	5 18	13 53	10 31	10 2	27 45	8 3	0 49	
T 11	17 33	12 20	0s23	9 46	2 10	20 52	0 11	23 25	0 50	17 0	1 11	18 28	1 44	1 17	0 43	12 35	1 45	5 18	13 53	10 31	10 1	27 46	8 2	0 49	
F 12	17 49	18 19	1 42	10 18	2 6	21 9	0 14	23 31	0 50	16 58	1 11	18 30	1 44	1 16	0 44	12 35	1 45	5 18	13 53	10 30	10 0	27 47	8 1	0 49	
S 13	18 5	23 17	2 55	10 50	2 2	21 25	0 16	23 36	0 51	16 56	1 11	18 32	1 44	1 15	0 44	12 36	1 45	5 17	13 53	10 30	9 59	27 48	8 0	0 49	
S 14	18 21	26 42	3 57	11 23	1 57	21 41	0 19	23 41	0 51	16 54	1 10	18 33	1 44	1 14	0 44	12 37	1 45	5 17	13 53	10 28	9 58	27 48	7 59	0 48	
M15	18 37	28 11	4 42	11 56	1 51	21 56	0 21	23 46	0 52	16 52	1 10	18 35	1 44	1 13	0 44	12 38	1 45	5 17	13 53	10 27	9 56	27 49	7 58	0 48	
T 16	18 52	27 37	5 8	12 30	1 46	22 11	0 23	23 50	0 52	16 50	1 10	18 36	1 44	1 12	0 44	12 38	1 45	5 17	13 53	10 26	9 55	27 50	7 57	0 48	
W17	19 7	25 10	5 13	13 4	1 40	22 24	0 26	23 54	0 52	16 48	1 10	18 38	1 44	1 11	0 44	12 39	1 45	5 16	13 53	10 25	9 54	27 50	7 56	0 48	
T 18	19 21	21 14	4 59	13 38	1 34	22 38	0 28	23 58	0 53	16 46	1 10	18 39	1 44	1 10	0 44	12 40	1 45	5 16	13 53	10 24	9 53	27 51	7 55	0 48	
F 19	19 35	16 15	4 28	14 12	1 27	22 50	0 31	24 2	0 53	16 44	1 10	18 41	1 44	1 9	0 44	12 40	1 45	5 16	13 53	10 24	9 52	27 52	7 54	0 48	
S 20	19 49	10 36	3 43	14 46	1 21	23 2	0 33	24 6	0 54	16 42	1 10	18 42	1 44	1 8	0 44	12 41	1 45	5 16	13 53	10 24	9 51	27 52	7 53	0 48	
S 21	20 2	4 39	2 47	15 19	1 14	23 13	0 36	24 9	0 54	16 40	1 10	18 44	1 44	1 7	0 44	12 42	1 45	5 15	13 53	10 25	9 50	27 53	7 53	0 48	
M22	20 15	1n22	1 45	15 52	1 7	23 24	0 38	24 12	0 54	16 38	1 9	18 45	1 44	1 6	0 44	12 42	1 45	5 15	13 53	10 25	9 48	27 54	7 52	0 48	
T 23	20 28	7 13	0 38	16 24	1 0	23 34	0 40	24 15	0 55	16 36	1 9	18 47	1 44	1 5	0 44	12 43	1 45	5 15	13 53	10 26	9 47	27 54	7 51	0 47	
W24	20 40	12 44	0n29	16 56	0 53	23 43	0 43	24 17	0 55	16 34	1 9	18 48	1 43	1 5	0 44	12 44	1 45	5 15	13 53	10 26	9 46	27 55	7 50	0 47	
T 25	20 52	17 40	1 33	17 27	0 46	23 51	0 45	24 19	0 55	16 32	1 9	18 50	1 43	1 4	0 44	12 44	1 45	5 15	13 52	10 25	9 45	27 56	7 49	0 47	
F 26	21 3	21 52	2 33	17 58	0 39	23 59	0 47	24 21	0 56	16 30	1 9	18 51	1 43	1 3	0 44	12 45	1 45	5 15	13 52	10 24	9 44	27 56	7 48	0 47	
S 27	21 14	25 8	3 26	18 28	0 32	24 6	0 49	24 23	0 56	16 29	1 8	18 53	1 43	1 2	0 44	12 45	1 45	5 14	13 52	10 22	9 43	27 57	7 48	0 47	
S 28	21 25	27 16	4 9	18 57	0 25	24 12	0 52	24 24	0 56	16 27	1 8	18 54	1 43	1 1	0 44	12 46	1 45	5 14	13 52	10 19	9 41	27 58	7 47	0 47	
M29	21 35	28 9	4 41	19 25	0 18	24 17	0 54	24 25	0 57	16 25	1 8	18 55	1 43	1 1	0 44	12 47	1 45	5 14	13 52	10 16	9 40	27 58	7 46	0 47	
T 30	21s45	27n45	5n 1	19s53	0n11	24s22	0s56	24s26	0s57	16n23	1s 8	18s57	1n43	1n 0	0n44	12s47	1n45	5n14	13s52	10n13	9n39	27n59	7n46	0n47	

ASTRODIENST EPHEMERIS for the year 1632
geocentric

DECEMBER 1632 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 41 9	9♂24'34	25♂51	0♂56	27♂25	29♂40	18♂46	2♂16	29♂13	8♂48	23♂28	26♂19	24♂49	26♂45	17♂53	W 1
T 2	4 45 5	10°25'31	7♂50	2°30	28°40	0♂26	18♂38	2°23	29°15	8°50	23♂27	26♂12	24°46	26°51	17♂52	T 2
F 3	4 49 2	11°26'29	19°57	4° 3	29°55	1°12	18°31	2°30	29°17	8°52	23°26	26° 8	24°43	26°58	17°50	F 3
S 4	4 52 58	12°27'28	2♂16	5°37	1♂10	1°58	18°25	2°37	29°18	8°54	23°25	26° 5	24°40	27° 5	17°49	S 4
S 5	4 56 55	13°28'28	14°51	7°11	2°25	2°44	18°18	2°44	29°20	8°56	23°24	26°D 5	24°36	27°12	17°47	S 5
M 6	5 0 52	14°29'29	27°47	8°45	3°40	3°30	18°11	2°51	29°22	8°58	23°23	26° 5	24°33	27°18	17°46	M 6
T 7	5 4 48	15°30'32	11♂ 8	10°18	4°55	4°16	18° 5	2°58	29°23	9° 0	23°22	26° 7	24°30	27°25	17°45	T 7
W 8	5 8 45	16°31'35	24°57	11°52	6°10	5° 2	17°59	3° 5	29°25	9° 1	23°21	26°R 7	24°27	27°32	17°44	W 8
T 9	5 12 41	17°32'40	9♂15	13°26	7°25	5°48	17°52	3°12	29°26	9° 3	23°20	26° 7	24°24	27°38	17°43	T 9
F 10	5 16 38	18°33'45	23°59	15° 0	8°40	6°34	17°46	3°19	29°27	9° 5	23°19	26° 4	24°21	27°45	17°41	F 10
S 11	5 20 34	19°34'52	9♂ 4	16°34	9°55	7°21	17°40	3°26	29°29	9° 7	23°18	25°58	24°17	27°52	17°40	S 11
S 12	5 24 31	20°35'59	24°22	18° 9	11°10	8° 7	17°35	3°33	29°30	9° 9	23°17	25°51	24°14	27°59	17°40	S 12
M13	5 28 27	21°37'07	9♂41	19°43	12°25	8°53	17°29	3°40	29°31	9°11	23°16	25°42	24°11	28° 5	17°39	M13
T 14	5 32 24	22°38'15	24°50	21°18	13°40	9°40	17°24	3°47	29°32	9°12	23°15	25°33	24° 8	28°12	17°38	T 14
W15	5 36 21	23°39'24	9♂40	22°53	14°55	10°26	17°19	3°54	29°34	9°14	23°14	25°25	24° 5	28°19	17°37	W15
T 16	5 40 17	24°40'32	24° 3	24°28	16°10	11°13	17°14	4° 0	29°35	9°16	23°13	25°19	24° 2	28°25	17°36	T 16
F 17	5 44 14	25°41'41	7♂57	26° 3	17°25	11°59	17° 9	4° 7	29°36	9°18	23°12	25°15	23°58	28°32	17°36	F 17
S 18	5 48 10	26°42'50	21°22	27°38	18°39	12°46	17° 4	4°14	29°37	9°19	23°11	25°D13	23°55	28°39	17°35	S 18
S 19	5 52 7	27°43'59	4♂22	29°14	19°54	13°32	16°59	4°21	29°38	9°21	23°10	25°13	23°52	28°45	17°34	S 19
M20	5 56 3	28°45'08	16°59	0♂50	21° 9	14°19	16°55	4°27	29°38	9°22	23° 9	25°14	23°49	28°52	17°34	M20
T 21	6 0 0	29°46'17	29°20	2°26	22°24	15° 6	16°51	4°34	29°39	9°24	23° 8	25°R14	23°46	28°59	17°33	T 21
W22	6 3 56	0♂47'26	11♂27	4° 2	23°39	15°52	16°47	4°41	29°40	9°26	23° 7	25°13	23°42	29° 6	17°33	W22
T 23	6 7 53	1°48'35	23°26	5°39	24°54	16°39	16°43	4°47	29°41	9°27	23° 6	25° 9	23°39	29°12	17°33	T 23
F 24	6 11 50	2°49'44	5♂20	7°16	26° 9	17°26	16°40	4°54	29°41	9°29	23° 6	25° 2	23°36	29°19	17°33	F 24
S 25	6 15 46	3°50'53	17°12	8°53	27°23	18°13	16°36	5° 0	29°42	9°30	23° 5	24°52	23°33	29°26	17°32	S 25
S 26	6 19 43	4°52'02	29° 3	10°30	28°38	18°59	16°33	5° 7	29°42	9°32	23° 4	24°40	23°30	29°32	17°32	S 26
M27	6 23 39	5°53'12	10♂56	12° 8	29°53	19°46	16°30	5°13	29°43	9°33	23° 3	24°27	23°27	29°39	17°32	M27
T 28	6 27 36	6°54'21	22°51	13°46	1♂ 8	20°33	16°27	5°20	29°43	9°35	23° 2	24°13	23°23	29°46	17°D32	T 28
W29	6 31 32	7°55'30	4♂50	15°24	2°22	21°20	16°25	5°26	29°44	9°36	23° 2	23°59	23°20	29°53	17°32	W29
T 30	6 35 29	8°56'40	16°54	17° 3	3°37	22° 7	16°22	5°32	29°44	9°37	23° 1	23°47	23°17	29°59	17°32	T 30
F 31	6 39 26	9♂57'49	29♂ 6	18♂42	4♂52	22♂54	16♂20	5♂39	29♂44	9♂39	23♂ 0	23♂38	23♂14	0♂ 6	17♂32	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	21s54	26n 4	5n 8	20s19	0n 4	24s26	0s58	24s27	0s57	16n21	1s 8	18s58	1n43	0n59	0n44	12s48
T 2	22 3	23 12	5 2	20 45	0s 3	24 29	1 0	24 27	0 58	16 20	1 7	19 0	1 43	0 59	0 44	12 49
F 3	22 12	19 19	4 42	21 9	0 9	24 32	1 2	24 27	0 58	16 18	1 7	19 1	1 43	0 58	0 44	12 49
S 4	22 20	14 34	4 9	21 33	0 16	24 33	1 4	24 27	0 58	16 16	1 7	19 2	1 43	0 57	0 44	12 50
S 5	22 28	9 7	3 24	21 56	0 23	24 34	1 6	24 26	0 59	16 15	1 7	19 4	1 43	0 57	0 44	12 50
M 6	22 35	3 7	2 27	22 17	0 29	24 34	1 8	24 25	0 59	16 13	1 7	19 5	1 43	0 56	0 44	12 51
T 7	22 42	3s12	1 20	22 38	0 36	24 34	1 10	24 24	0 59	16 11	1 6	19 7	1 43	0 55	0 44	12 51
W 8	22 48	9 35	0 6	22 57	0 42	24 33	1 12	24 23	0 59	16 10	1 6	19 8	1 43	0 55	0 44	12 52
T 9	22 54	15 43	1s10	23 15	0 48	24 30	1 14	24 21	1 0	16 8	1 6	19 9	1 43	0 54	0 44	12 53
F 10	23 0	21 8	2 24	23 33	0 54	24 28	1 15	24 19	1 0	16 7	1 6	19 11	1 43	0 54	0 44	12 53
S 11	23 5	25 18	3 29	23 48	1 0	24 24	1 17	24 17	1 0	16 5	1 5	19 12	1 43	0 53	0 45	12 54
S 12	23 9	27 42	4 21	24 3	1 6	24 20	1 19	24 15	1 1	16 4	1 5	19 13	1 43	0 53	0 45	12 54
M13	23 13	28 0	4 53	24 17	1 11	24 15	1 20	24 12	1 1	16 3	1 5	19 14	1 43	0 52	0 45	12 55
T 14	23 17	26 12	5 5	24 29	1 17	24 9	1 22	24 9	1 1	16 2	1 5	19 16	1 43	0 52	0 45	12 55
W15	23 20	22 37	4 56	24 40	1 22	24 2	1 23	24 6	1 1	16 0	1 4	19 17	1 43	0 51	0 45	12 56
T 16	23 23	17 44	4 28	24 49	1 27	23 55	1 25	24 2	1 2	15 59	1 4	19 18	1 43	0 51	0 45	12 56
F 17	23 25	12 5	3 45	24 57	1 32	23 47	1 26	23 58	1 2	15 58	1 4	19 20	1 43	0 51	0 45	12 57
S 18	23 27	6 2	2 50	25 4	1 36	23 38	1 28	23 54	1 2	15 57	1 4	19 21	1 43	0 50	0 45	12 57
S 19	23 28	0n 4	1 49	25 10	1 40	23 29	1 29	23 50	1 2	15 56	1 3	19 22	1 43	0 50	0 45	12 58
M20	23 29	6 1	0 44	25 13	1 44	23 18	1 30	23 45	1 2	15 55	1 3	19 23	1 43	0 50	0 45	12 58
T 21	23 29	11 36	0n22	25 16	1 48	23 7	1 31	23 40	1 3	15 54	1 3	19 24	1 43	0 49	0 45	12 59
W22	23 29	16 39	1 25	25 17	1 52	22 56	1 32	23 35	1 3	15 53	1 3	19 26	1 43	0 49	0 45	12 59
T 23	23 29	21 0	2 24	25 17	1 55	22 43	1 33	23 29	1 3	15 52	1 2	19 27	1 43	0 49	0 45	13 0
F 24	23 28	24 27	3 16	25 15	1 58	22 31	1 34	23 24	1 3	15 52	1 2	19 28	1 43	0 49	0 45	13 0
S 25	23 26	26 50	3 59	25 11	2 0	22 17	1 35	23 18	1 3	15 51	1 2	19 29	1 43	0 49	0 45	13 0
S 26	23 24	28 1	4 31	25 6	2 2	22 3	1 36	23 11	1 3	15 50	1 2	19 30	1 43	0 48	0 45	13 1
M27	23 21	27 54	4 52	25 0	2 4	21 48	1 37	23 5	1 4	15 50	1 1	19 31	1 43	0 48	0 45	13 1
T 28	23 19	26 29	5 0	24 52	2 6	21 32	1 37	22 58	1 4	15 49	1 1	19 32	1 43	0 48	0 45	13 2
W29	23 15	23 52	4 55	24 42	2 7	21 16	1 38	22 51	1 4	15 49	1 1	19 33	1 43	0 48	0 45	13 2
T 30	23 11	20 12	4 37	24 31	2 8	20 59	1 39	22 43	1 4	15 48	1 0	19 35	1 43	0 48	0 45	13 2
F 31	23s 7	15n38	4n 6	24s18	2s 8	20s42	1s39	22s36	1s 4	15n48	1s 0	19s36	1n44	0n48	0n45	13s 3

Julian Day Number = 2317470.5, Delta T = 55.67 sec
Ecliptic obliquity = 23°29'21", Nutation = - 0°00'08", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°37'00, Lahiri = 18°44'01Greg. Calendar