



Astrodienst Ephemeris Tables for the year 1599

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 1599

geocentric

JANUARY 1599 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 40 22	10 ³ 14'07	2 ⁴ 48	5 ³ 30	25 ² 23	4 ³ 4	15 ⁰ R39	15 ² 52	23 ⁰ R10	25 ⁰ R28	20 ⁰ R18	19 ⁰ 17	20 ⁰ 49	26 ⁰ 44	19 ⁰ R53	F 1
S 2	6 44 19	11 ⁰ 15'18	17 ⁰ 13	7 ⁰ 6	26 ⁰ 38	4 ⁰ 50	15 ⁰ 31	15 ⁰ 54	23 ⁰ D10	25 ⁰ 27	20 ⁰ Y18	19 ⁰ 18	20 ⁰ 46	26 ⁰ 50	19 ⁰ 548	S 2
S 3	6 48 15	12 ⁰ 16'28	1 ⁰ Y23	8 ⁰ 42	27 ⁰ 53	5 ⁰ 35	15 ⁰ 23	15 ⁰ 57	23 ⁰ Y10	25 ⁰ 26	20 ⁰ 17	19 ⁰ 19	20 ⁰ 43	26 ⁰ 57	19 ⁰ 44	S 3
M 4	6 52 12	13 ⁰ 17'38	15 ⁰ 17	10 ⁰ 19	29 ⁰ 9	6 ⁰ 21	15 ⁰ 14	15 ⁰ 59	23 ⁰ 10	25 ⁰ 25	20 ⁰ D17	19 ⁰ R20	20 ⁰ 40	27 ⁰ 4	19 ⁰ 40	M 4
T 5	6 56 9	14 ⁰ 18'47	28 ⁰ 55	11 ⁰ 56	0 ⁰ 24	7 ⁰ 7	15 ⁰ 6	16 ⁰ 1	23 ⁰ 10	25 ⁰ 24	20 ⁰ 17	19 ⁰ 19	20 ⁰ 37	27 ⁰ 10	19 ⁰ 35	T 5
W 6	7 0 5	15 ⁰ 19'56	12 ⁰ 16	13 ⁰ 34	1 ⁰ 39	7 ⁰ 53	14 ⁰ 58	16 ⁰ 3	23 ⁰ 10	25 ⁰ 23	20 ⁰ 17	19 ⁰ 16	20 ⁰ 33	27 ⁰ 17	19 ⁰ 31	W 6
T 7	7 4 2	16 ⁰ 21'04	25 ⁰ 24	15 ⁰ 12	2 ⁰ 55	8 ⁰ 39	14 ⁰ 50	16 ⁰ 5	23 ⁰ 10	25 ⁰ 22	20 ⁰ 18	19 ⁰ 12	20 ⁰ 30	27 ⁰ 24	19 ⁰ 26	T 7
F 8	7 7 58	17 ⁰ 22'12	8 ⁰ II17	16 ⁰ 50	4 ⁰ 10	9 ⁰ 25	14 ⁰ 42	16 ⁰ 7	23 ⁰ 11	25 ⁰ 20	20 ⁰ 18	19 ⁰ 7	20 ⁰ 27	27 ⁰ 30	19 ⁰ 22	F 8
S 9	7 11 55	18 ⁰ 23'19	20 ⁰ 58	18 ⁰ 29	5 ⁰ 25	10 ⁰ 11	14 ⁰ 34	16 ⁰ 9	23 ⁰ 11	25 ⁰ 19	20 ⁰ 18	19 ⁰ 1	20 ⁰ 24	27 ⁰ 37	19 ⁰ 18	S 9
S 10	7 15 51	19 ⁰ 24'25	3 ⁰ 26	20 ⁰ 9	6 ⁰ 41	10 ⁰ 57	14 ⁰ 26	16 ⁰ 11	23 ⁰ 11	25 ⁰ 18	20 ⁰ 18	18 ⁰ 56	20 ⁰ 21	27 ⁰ 44	19 ⁰ 13	S 10
M11	7 19 48	20 ⁰ 25'31	15 ⁰ 44	21 ⁰ 49	7 ⁰ 56	11 ⁰ 43	14 ⁰ 18	16 ⁰ 12	23 ⁰ 12	25 ⁰ 17	20 ⁰ 18	18 ⁰ 51	20 ⁰ 18	27 ⁰ 50	19 ⁰ 9	M11
T 12	7 23 44	21 ⁰ 26'36	27 ⁰ 51	23 ⁰ 29	9 ⁰ 11	12 ⁰ 29	14 ⁰ 10	16 ⁰ 14	23 ⁰ 12	25 ⁰ 15	20 ⁰ 18	18 ⁰ 48	20 ⁰ 14	27 ⁰ 57	19 ⁰ 5	T 12
W13	7 27 41	22 ⁰ 27'41	9 ⁰ Ω50	25 ⁰ 10	10 ⁰ 27	13 ⁰ 15	14 ⁰ 2	16 ⁰ 15	23 ⁰ 13	25 ⁰ 14	20 ⁰ 18	18 ⁰ 46	20 ⁰ 11	28 ⁰ 4	19 ⁰ 0	W13
T 14	7 31 38	23 ⁰ 28'45	21 ⁰ 42	26 ⁰ 52	11 ⁰ 42	14 ⁰ 2	13 ⁰ 54	16 ⁰ 16	23 ⁰ 14	25 ⁰ 13	20 ⁰ 19	18 ⁰ D46	20 ⁰ 8	28 ⁰ 10	18 ⁰ 56	T 14
F 15	7 35 34	24 ⁰ 29'48	3 ⁰ III30	28 ⁰ 34	12 ⁰ 57	14 ⁰ 48	13 ⁰ 46	16 ⁰ 18	23 ⁰ 14	25 ⁰ 11	20 ⁰ 19	18 ⁰ 47	20 ⁰ 5	28 ⁰ 17	18 ⁰ 51	F 15
S 16	7 39 31	25 ⁰ 30'51	15 ⁰ 17	0 ⁰ 16	14 ⁰ 12	15 ⁰ 34	13 ⁰ 39	16 ⁰ 19	23 ⁰ 15	25 ⁰ 10	20 ⁰ 19	18 ⁰ 48	20 ⁰ 2	28 ⁰ 23	18 ⁰ 47	S 16
S 17	7 43 27	26 ⁰ 31'54	27 ⁰ 7	1 ⁰ 59	15 ⁰ 28	16 ⁰ 20	13 ⁰ 31	16 ⁰ 20	23 ⁰ 16	25 ⁰ 8	20 ⁰ 19	18 ⁰ 50	19 ⁰ 58	28 ⁰ 30	18 ⁰ 43	S 17
M18	7 47 24	27 ⁰ 32'56	9 ⁰ 4	3 ⁰ 42	16 ⁰ 43	17 ⁰ 7	13 ⁰ 23	16 ⁰ 20	23 ⁰ 17	25 ⁰ 7	20 ⁰ 20	18 ⁰ 52	19 ⁰ 55	28 ⁰ 37	18 ⁰ 38	M18
T 19	7 51 20	28 ⁰ 33'57	21 ⁰ 12	5 ⁰ 26	17 ⁰ 58	17 ⁰ 53	13 ⁰ 16	16 ⁰ 21	23 ⁰ 18	25 ⁰ 6	20 ⁰ 20	18 ⁰ 53	19 ⁰ 52	28 ⁰ 43	18 ⁰ 34	T 19
W20	7 55 17	29 ⁰ 34'58	3 ⁰ III37	7 ⁰ 10	19 ⁰ 14	18 ⁰ 39	13 ⁰ 8	16 ⁰ 22	23 ⁰ 18	25 ⁰ 4	20 ⁰ 20	18 ⁰ R53	19 ⁰ 49	28 ⁰ 50	18 ⁰ 30	W20
T 21	7 59 13	0 ⁰ 35'58	16 ⁰ 23	8 ⁰ 55	20 ⁰ 29	19 ⁰ 26	13 ⁰ 1	16 ⁰ 22	23 ⁰ 19	25 ⁰ 3	20 ⁰ 21	18 ⁰ 52	19 ⁰ 46	28 ⁰ 57	18 ⁰ 25	T 21
F 22	8 3 10	1 ⁰ 36'58	29 ⁰ 35	10 ⁰ 39	21 ⁰ 44	20 ⁰ 12	12 ⁰ 53	16 ⁰ 23	23 ⁰ 20	25 ⁰ 1	20 ⁰ 21	18 ⁰ 51	19 ⁰ 43	29 ⁰ 3	18 ⁰ 21	F 22
S 23	8 7 7	2 ⁰ 37'57	13 ⁰ 13	12 ⁰ 24	23 ⁰ 0	20 ⁰ 59	12 ⁰ 46	16 ⁰ 23	23 ⁰ 22	25 ⁰ 0	20 ⁰ 21	18 ⁰ 49	19 ⁰ 39	29 ⁰ 10	18 ⁰ 17	S 23
S 24	8 11 3	3 ⁰ 38'55	27 ⁰ 19	14 ⁰ 9	24 ⁰ 15	21 ⁰ 45	12 ⁰ 39	16 ⁰ 23	23 ⁰ 23	24 ⁰ 58	20 ⁰ 22	18 ⁰ 46	19 ⁰ 36	29 ⁰ 17	18 ⁰ 13	S 24
M25	8 15 0	4 ⁰ 39'53	11 ⁰ 349	15 ⁰ 53	25 ⁰ 30	22 ⁰ 32	12 ⁰ 32	16 ⁰ R23	23 ⁰ 24	24 ⁰ 56	20 ⁰ 22	18 ⁰ 44	19 ⁰ 33	29 ⁰ 23	18 ⁰ 9	M25
T 26	8 18 56	5 ⁰ 40'50	17 ⁰ 37	26 ⁰ 41	17 ⁰ 37	26 ⁰ 45	23 ⁰ 18	12 ⁰ 25	16 ⁰ 23	23 ⁰ 25	24 ⁰ 55	20 ⁰ 23	18 ⁰ 43	19 ⁰ 30	29 ⁰ 30	T 26
W27	8 22 53	6 ⁰ 41'45	11 ⁰ 44	19 ⁰ 21	28 ⁰ 1	24 ⁰ 5	12 ⁰ 18	16 ⁰ 23	23 ⁰ 26	24 ⁰ 53	20 ⁰ 23	18 ⁰ D42	19 ⁰ 27	29 ⁰ 37	18 ⁰ 0	W27
T 28	8 26 49	7 ⁰ 42'40	26 ⁰ 52	21 ⁰ 4	29 ⁰ 16	24 ⁰ 51	12 ⁰ 12	16 ⁰ 23	23 ⁰ 28	24 ⁰ 52	20 ⁰ 24	18 ⁰ 42	19 ⁰ 24	29 ⁰ 43	17 ⁰ 56	T 28
F 29	8 30 46	8 ⁰ 43'33	11 ⁰ 454	22 ⁰ 45	0 ⁰ 31	25 ⁰ 38	12 ⁰ 5	16 ⁰ 23	23 ⁰ 29	24 ⁰ 50	20 ⁰ 24	18 ⁰ 43	19 ⁰ 20	29 ⁰ 50	17 ⁰ 52	F 29
S 30	8 34 42	9 ⁰ 44'24	26 ⁰ 43	24 ⁰ 25	1 ⁰ 47	26 ⁰ 25	11 ⁰ 59	16 ⁰ 22	23 ⁰ 31	24 ⁰ 49	20 ⁰ 25	18 ⁰ 44	19 ⁰ 17	29 ⁰ 57	17 ⁰ 48	S 30
S 31	8 38 39	10 ⁰ 45'15	11 ⁰ Y12	26 ⁰ 4	3 ⁰ 2	27 ⁰ 11	11 ⁰ 52	16 ⁰ 22	23 ⁰ Y32	24 ⁰ 47	20 ⁰ Y25	18 ⁰ 45	19 ⁰ 14	0 ⁰ III3	17 ⁰ 544	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 1599
geocentric

FEBRUARY 1599 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 42 36	11 ⁴⁶ 03	25 ¹⁸ 18	27 ⁴⁰ 40	4 ¹⁷ 17	27 ⁵⁸ 58	11 ⁴⁶ 46	16 ²¹ 21	23 ³⁴ 34	24 ⁴⁵ 45	20 ²⁶ 26	18 ⁴⁵ 45	19 ¹¹ 11	0 ¹⁰ 10	17 ⁴¹ 41	M 1
T 2	8 46 32	12 ⁴⁶ 51	9 ¹ 1	29 ¹³ 13	5 ³² 32	28 ⁴⁵ 45	11 ⁴⁰ 40	16 ²⁰ 20	23 ³⁵ 35	24 ⁴⁴ 44	20 ²⁷ 27	18 ⁴⁵ 45	19 ⁸ 8	0 ¹⁶ 16	17 ³⁷ 37	T 2
W 3	8 50 29	13 ⁴⁷ 36	22 ²¹ 21	0 ⁴³ 43	6 ⁴⁷ 47	29 ³² 32	11 ³⁴ 34	16 ¹⁹ 19	23 ³⁷ 37	24 ⁴² 42	20 ²⁷ 27	18 ⁴⁵ 45	19 ⁴ 4	0 ²³ 23	17 ³³ 33	W 3
T 4	8 54 25	14 ⁴⁸ 21	5 ¹¹ 20	2 ⁹ 9	8 ³ 3	0 ¹⁸ 18	11 ²⁹ 29	16 ¹⁹ 19	23 ³⁸ 38	24 ⁴⁰ 40	20 ²⁸ 28	18 ⁴⁵ 45	19 ¹ 1	0 ³⁰ 30	17 ²⁹ 29	T 4
F 5	8 58 22	15 ⁴⁹ 03	18 ⁰ 0	3 ³⁰ 30	9 ¹⁸ 18	1 ⁵ 5	11 ²³ 23	16 ¹⁷ 17	23 ⁴⁰ 40	24 ³⁹ 39	20 ²⁹ 29	18 ⁴⁵ 45	18 ⁵⁸ 58	0 ³⁶ 36	17 ²⁶ 26	F 5
S 6	9 2 18	16 ⁴⁹ 44	0 ²⁶ 26	4 ⁴⁶ 46	10 ³³ 33	1 ⁵² 52	11 ¹⁸ 18	16 ¹⁶ 16	23 ⁴² 42	24 ³⁷ 37	20 ²⁹ 29	18 ⁴⁴ 44	18 ⁵⁵ 55	0 ⁴³ 43	17 ²² 22	S 6
S 7	9 6 15	17 ⁵⁰ 24	12 ³⁹ 39	5 ⁵⁶ 56	11 ⁴⁸ 48	2 ³⁹ 39	11 ¹² 12	16 ¹⁵ 15	23 ⁴⁴ 44	24 ³⁵ 35	20 ³⁰ 30	18 ⁴⁴ 44	18 ⁵² 52	0 ⁵⁰ 50	17 ¹⁸ 18	S 7
M 8	9 10 12	18 ⁵¹ 01	24 ⁴² 42	6 ⁵⁹ 59	13 ³ 3	3 ²⁶ 26	11 ⁷ 7	16 ¹⁴ 14	23 ⁴⁶ 46	24 ³⁴ 34	20 ³¹ 31	18 ⁴⁴ 44	18 ⁴⁹ 49	0 ⁵⁶ 56	17 ¹⁵ 15	M 8
T 9	9 14 8	19 ⁵¹ 37	6 ² 38	7 ⁵⁵ 55	14 ¹⁸ 18	4 ¹² 12	11 ² 2	16 ¹² 12	23 ⁴⁷ 47	24 ³² 32	20 ³² 32	18 ⁴⁴ 44	18 ⁴⁵ 45	1 ³ 3	17 ¹² 12	T 9
W 10	9 18 5	20 ⁵² 12	18 ³⁰ 30	8 ⁴² 42	15 ³⁴ 34	4 ⁵⁹ 59	10 ⁵⁸ 58	16 ¹¹ 11	23 ⁴⁹ 49	24 ³⁰ 30	20 ³² 32	18 ⁴⁴ 44	18 ⁴² 42	1 ¹⁰ 10	17 ⁸ 8	W 10
T 11	9 22 1	21 ⁵² 45	0 ¹⁸ 18	9 ²¹ 21	16 ⁴⁹ 49	5 ⁴⁶ 46	10 ⁵³ 53	16 ⁹ 9	23 ⁵¹ 51	24 ²⁹ 29	20 ³³ 33	18 ⁴⁴ 44	18 ³⁹ 39	1 ¹⁶ 16	17 ⁵ 5	T 11
F 12	9 25 58	22 ⁵³ 17	12 ⁶ 6	9 ⁵¹ 51	18 ⁴ 4	6 ³³ 33	10 ⁴⁹ 49	16 ⁷ 7	23 ⁵³ 53	24 ²⁷ 27	20 ³⁴ 34	18 ⁴⁴ 44	18 ³⁶ 36	1 ²³ 23	17 ² 2	F 12
S 13	9 29 54	23 ⁵³ 46	23 ⁵⁶ 56	10 ¹⁰ 10	19 ¹⁹ 19	7 ²⁰ 20	10 ⁴⁵ 45	16 ⁵ 5	23 ⁵⁵ 55	24 ²⁵ 25	20 ³⁵ 35	18 ⁴³ 43	18 ³³ 33	1 ³⁰ 30	16 ⁵⁹ 59	S 13
S 14	9 33 51	24 ⁵⁴ 15	5 ² 50	10 ²⁰ 20	20 ³⁴ 34	8 ⁷ 7	10 ⁴¹ 41	16 ³ 3	23 ⁵⁸ 58	24 ²⁴ 24	20 ³⁶ 36	18 ⁴³ 43	18 ³⁰ 30	1 ³⁶ 36	16 ⁵⁶ 56	S 14
M 15	9 37 47	25 ⁵⁴ 42	17 ⁵⁰ 50	10 ¹⁹ 19	21 ⁴⁹ 49	8 ⁵⁴ 54	10 ³⁷ 37	16 ¹ 1	24 ⁰ 0	24 ²² 22	20 ³⁷ 37	18 ⁴² 42	18 ²⁶ 26	1 ⁴³ 43	16 ⁵³ 53	M 15
T 16	9 41 44	26 ⁵⁵ 08	0 ¹ 1	10 ⁹ 9	23 ⁴ 4	9 ⁴¹ 41	10 ³³ 33	15 ⁵⁹ 59	24 ² 2	24 ²⁰ 20	20 ³⁷ 37	18 ⁴¹ 41	18 ²³ 23	1 ⁵⁰ 50	16 ⁵⁰ 50	T 16
W 17	9 45 40	27 ⁵⁵ 32	12 ²⁶ 26	9 ⁴⁸ 48	24 ¹⁹ 19	10 ²⁸ 28	10 ²⁹ 29	15 ⁵⁷ 57	24 ⁴ 4	24 ¹⁹ 19	20 ³⁸ 38	18 ⁴⁰ 40	18 ²⁰ 20	1 ⁵⁶ 56	16 ⁴⁷ 47	W 17
T 18	9 49 37	28 ⁵⁵ 55	25 ⁹ 9	9 ¹⁸ 18	25 ³⁴ 34	11 ¹⁵ 15	10 ²⁶ 26	15 ⁵⁵ 55	24 ⁶ 6	24 ¹⁷ 17	20 ³⁹ 39	18 ⁴⁰ 40	18 ¹⁷ 17	2 ³ 3	16 ⁴⁴ 44	T 18
F 19	9 53 34	29 ⁵⁶ 17	8 ² 12	8 ⁴⁰ 40	26 ⁴⁹ 49	12 ² 2	10 ²³ 23	15 ⁵² 52	24 ⁹ 9	24 ¹⁵ 15	20 ⁴⁰ 40	18 ⁴⁰ 40	18 ¹⁴ 14	2 ⁹ 9	16 ⁴¹ 41	F 19
S 20	9 57 30	0 ⁵⁶ 37	21 ⁴⁰ 40	7 ⁵⁴ 54	28 ⁴ 4	12 ⁴⁹ 49	10 ²⁰ 20	15 ⁵⁰ 50	24 ¹¹ 11	24 ¹⁴ 14	20 ⁴¹ 41	18 ⁴⁰ 40	18 ¹⁰ 10	2 ¹⁶ 16	16 ³⁹ 39	S 20
S 21	10 1 27	1 ⁵⁶ 56	5 ³ 34	7 ¹ 1	29 ¹⁹ 19	13 ³⁶ 36	10 ¹⁷ 17	15 ⁴⁷ 47	24 ¹³ 13	24 ¹² 12	20 ⁴² 42	18 ⁴¹ 41	18 ⁷ 7	2 ²³ 23	16 ³⁶ 36	S 21
M 22	10 5 23	2 ⁵⁷ 13	19 ⁵⁴ 54	6 ⁴ 4	0 ³ 34	14 ²³ 23	10 ¹⁵ 15	15 ⁴⁴ 44	24 ¹⁶ 16	24 ¹⁰ 10	20 ⁴³ 43	18 ⁴² 42	18 ⁴ 4	2 ²⁹ 29	16 ³⁴ 34	M 22
T 23	10 9 20	3 ⁵⁷ 29	4 ³⁸ 38	5 ³ 3	1 ⁴⁹ 49	15 ¹⁰ 10	10 ¹² 12	15 ⁴¹ 41	24 ¹⁸ 18	24 ⁹ 9	20 ⁴⁴ 44	18 ⁴³ 43	18 ¹ 1	2 ³⁶ 36	16 ³¹ 31	T 23
W 24	10 13 16	4 ⁵⁷ 43	19 ⁴⁰ 40	4 ⁰ 0	3 ⁴ 4	15 ⁵⁷ 57	10 ¹⁰ 10	15 ³⁹ 39	24 ²¹ 21	24 ⁷ 7	20 ⁴⁵ 45	18 ⁴³ 43	17 ⁵⁸ 58	2 ⁴³ 43	16 ²⁹ 29	W 24
T 25	10 17 13	5 ⁵⁷ 55	4 ³ 52	2 ⁵⁷ 57	4 ¹⁹ 19	16 ⁴⁴ 44	10 ⁸ 8	15 ³⁶ 36	24 ²³ 23	24 ⁵ 5	20 ⁴⁶ 46	18 ⁴³ 43	17 ⁵⁵ 55	2 ⁴⁹ 49	16 ²⁷ 27	T 25
F 26	10 21 9	6 ⁵⁸ 05	20 ⁶ 6	1 ⁵⁵ 55	5 ³⁴ 34	17 ³¹ 31	10 ⁷ 7	15 ³³ 33	24 ²⁶ 26	24 ⁴ 4	20 ⁴⁷ 47	18 ⁴² 42	17 ⁵¹ 51	2 ⁵⁶ 56	16 ²⁵ 25	F 26
S 27	10 25 6	7 ⁵⁸ 14	5 ⁹ 10	0 ⁵⁵ 55	6 ⁴⁹ 49	18 ¹⁸ 18	10 ⁵ 5	15 ³⁰ 30	24 ²⁸ 28	24 ² 2	20 ⁴⁸ 48	18 ³⁹ 39	17 ⁴⁸ 48	3 ³ 3	16 ²³ 23	S 27
S 28	10 29 3	8 ⁵⁸ 20	19 ⁹ 57	29 ⁵⁹ 59	8 ⁴ 4	19 ⁵ 5	10 ⁵ 5	15 ²⁶ 26	24 ³¹ 31	24 ¹ 1	20 ⁴⁹ 49	18 ³⁷ 37	17 ⁴⁵ 45	3 ⁹ 9	16 ²¹ 21	S 28

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	17s18	14n20	4n52	12s57	0s41	20s10	0s57	21s35	0s59	23n16	0n18	4s 3	2n36	8n40	0s33	13n49	0n33	7s42	16s56	15s14	15s 6	10n31	14n48	7s36			
T 2	17 1	19 28	5 13	12 14	0 30	19 53	0 59	21 25	0 59	23 17	0 18	4 2	2 36	8 40	0 33	13 49	0 33	7 42	16 56	15 14	15 7	10 28	14 48	7 35			
W 3	16 43	23 30	5 17	11 31	0 18	19 36	1 1	21 16	1 0	23 17	0 18	4 2	2 36	8 41	0 33	13 50	0 33	7 41	16 55	15 14	15 8	10 25	14 49	7 35			
T 4	16 26	26 14	5 5	10 49	0 5	19 18	1 3	21 6	1 0	23 18	0 18	4 1	2 37	8 42	0 33	13 50	0 33	7 40	16 55	15 14	15 9	10 22	14 50	7 35			
F 5	16 8	27 33	4 37	10 7	0n 8	19 0	1 4	20 57	1 0	23 19	0 18	4 0	2 37	8 42	0 32	13 51	0 33	7 40	16 55	15 14	15 10	10 19	14 51	7 34			
S 6	15 50	27 27	3 58	9 26	0 23	18 41	1 6	20 46	1 1	23 19	0 18	4 0	2 37	8 43	0 32	13 52	0 33	7 39	16 54	15 15	15 11	10 15	14 51	7 34			
S 7	15 31	26 0	3 8	8 47	0 37	18 22	1 7	20 36	1 1	23 20	0 19	3 59	2 38	8 44	0 32	13 52	0 33	7 39	16 54	15 15	15 12	10 12	14 52	7 34			
M 8	15 12	23 22	2 10	8 9	0 52	18 2	1 9	20 26	1 1	23 20	0 19	3 58	2 38	8 44	0 32	13 53	0 33	7 38	16 54	15 15	15 13	10 9	14 53	7 33			
T 9	14 53	19 44	1 7	7 34	1 8	17 42	1 10	20 15	1 2	23 21	0 19	3 57	2 38	8 45	0 32	13 53	0 33	7 38	16 54	15 15	15 14	10 6	14 54	7 33			
W10	14 34	15 20	0 1	7 2	1 24	17 21	1 11	20 4	1 2	23 21	0 19	3 56	2 38	8 46	0 32	13 54	0 33	7 37	16 53	15 15	15 15	10 3	14 55	7 32			
T 11	14 15	10 24	1s 4	6 32	1 40	16 59	1 13	19 53	1 2	23 22	0 19	3 56	2 39	8 47	0 32	13 54	0 33	7 36	16 53	15 15	15 16	10 0	14 55	7 32			
F 12	13 55	5 5	2 6	6 6	1 56	16 37	1 14	19 41	1 2	23 22	0 19	3 55	2 39	8 47	0 32	13 55	0 33	7 36	16 53	15 15	15 17	9 56	14 56	7 32			
S 13	13 35	0s24	3 3	5 44	2 11	16 15	1 15	19 29	1 3	23 22	0 19	3 54	2 39	8 48	0 32	13 56	0 33	7 35	16 52	15 15	15 18	9 53	14 57	7 31			
S 14	13 15	5 53	3 53	5 27	2 27	15 52	1 16	19 18	1 3	23 23	0 19	3 53	2 39	8 49	0 32	13 56	0 33	7 35	16 52	15 15	15 19	9 50	14 58	7 31			
M15	12 55	11 13	4 33	5 14	2 41	15 29	1 17	19 6	1 3	23 23	0 19	3 52	2 40	8 50	0 32	13 57	0 33	7 34	16 52	15 15	15 20	9 47	14 59	7 30			
T 16	12 34	16 11	5 1	5 5	2 55	15 5	1 18	18 53	1 4	23 24	0 19	3 51	2 40	8 51	0 32	13 57	0 33	7 34	16 51	15 16	15 21	9 44	15 0	7 30			
W17	12 13	20 36	5 15	5 1	3 7	14 41	1 19	18 41	1 4	23 24	0 19	3 50	2 40	8 52	0 32	13 58	0 33	7 33	16 51	15 16	15 22	9 41	15 0	7 29			
T 18	11 52	24 11	5 15	5 2	3 18	14 17	1 20	18 28	1 4	23 24	0 19	3 48	2 40	8 52	0 32	13 58	0 33	7 32	16 51	15 16	15 23	9 37	15 1	7 29			
F 19	11 31	26 39	4 59	5 8	3 27	13 52	1 21	18 15	1 4	23 25	0 20	3 47	2 41	8 53	0 32	13 59	0 33	7 32	16 51	15 16	15 24	9 34	15 2	7 28			
S 20	11 10	27 40	4 26	5 18	3 35	13 27	1 22	18 2	1 5	23 25	0 20	3 46	2 41	8 54	0 32	14 0	0 33	7 31	16 50	15 16	15 25	9 31	15 3	7 28			
S 21	10 48	27 0	3 37	5 33	3 40	13 1	1 22	17 49	1 5	23 25	0 20	3 45	2 41	8 55	0 32	14 0	0 33	7 31	16 50	15 16	15 26	9 28	15 4	7 27			
M22	10 27	24 32	2 33	5 51	3 43	12 35	1 23	17 35	1 5	23 25	0 20	3 44	2 41	8 56	0 32	14 1	0 33	7 30	16 50	15 15	15 27	9 25	15 4	7 27			
T 23	10 5	20 24	1 17	6 12	3 44	12 9	1 24	17 22	1 5	23 26	0 20	3 42	2 41	8 57	0 32	14 1	0 33	7 29	16 49	15 15	15 28	9 21	15 5	7 26			
W24	9 43	14 52	0n 5	6 36	3 43	11 42	1 24	17 8	1 6	23 26	0 20	3 41	2 42	8 58	0 32	14 2	0 33	7 29	16 49	15 15	15 29	9 18	15 6	7 26			
T 25	9 21	8 23	1 28	7 1	3 40	11 16	1 25	16 54	1 6	23 26	0 20	3 40	2 42	8 59	0 32	14 2	0 33	7 28	16 49	15 15	15 30	9 15	15 7	7 25			
F 26	8 58	1 24	2 45	7 28	3 35	10 48	1 25	16 40	1 6	23 26	0 20	3 38	2 42	9 0	0 32	14 3	0 33	7 28	16 49	15 15	15 31	9 12	15 8	7 25			
S 27	8 36	5n34	3 49	7 56	3 27	10 21	1 25	16 26	1 6	23 27	0 20	3 37	2 42	9 1	0 32	14 3	0 33	7 27	16 48	15 16	15 32	9 9	15 8	7 24			
S 28	8s13	12n 5	4n37	8s24	3n19	9s53	1s26	16s11	1s 6	23n27	0n20	3s36	2n42	9n 2	0s32	14n 4	0n33	7s26	16s48	15s17	15s33	9n 6	15n 9	7s23			

ASTRODIENST EPHEMERIS for the year 1599

geocentric

MARCH 1599 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 32 59	9♂58'25	4♂19	29°R 7	9♂19	19♂52	10°R 2	15°R23	24♂34	23°R59	20♂50	18°R34	17♂42	3♂16	16°R19	M 1
T 2	10 36 56	10°58'27	18°14	28♂21	10°34	20°40	10♂1	15♂20	24°36	23♂57	20°52	18♂31	17°39	3°23	16♂17	T 2
W 3	10 40 52	11°58'27	1♂41	27°41	11°49	21°27	10°1	15°16	24°39	23°56	20°53	18°30	17°36	3°29	16°16	W 3
T 4	10 44 49	12°58'25	14°42	27°7	13°4	22°14	10°0	15°13	24°42	23°54	20°54	18°D30	17°32	3°36	16°14	T 4
F 5	10 48 45	13°58'21	27°20	26°39	14°19	23°1	10°0	15°9	24°45	23°53	20°55	18°30	17°29	3°43	16°13	F 5
S 6	10 52 42	14°58'14	9♂39	26°18	15°33	23°48	9°59	15°6	24°47	23°51	20°56	18°32	17°26	3°49	16°11	S 6
S 7	10 56 38	15°58'05	21°44	26°4	16°48	24°35	9°D59	15°2	24°50	23°50	20°57	18°34	17°23	3°56	16°10	S 7
M 8	11 0 35	16°57'54	3♂40	25°56	18°3	25°22	10°0	14°58	24°53	23°48	20°58	18°35	17°20	4°3	16°9	M 8
T 9	11 4 32	17°57'41	15°29	25°D55	19°18	26°9	10°0	14°54	24°56	23°47	21°0	18°R36	17°16	4°9	16°8	T 9
W10	11 8 28	18°57'26	27°17	25°59	20°32	26°56	10°1	14°50	24°59	23°45	21°1	18°36	17°13	4°16	16°7	W10
T 11	11 12 25	19°57'09	9♂4	26°10	21°47	27°43	10°1	14°47	25°2	23°44	21°2	18°34	17°10	4°23	16°6	T 11
F 12	11 16 21	20°56'49	20°55	26°25	23°2	28°30	10°2	14°43	25°5	23°42	21°3	18°30	17°7	4°29	16°5	F 12
S 13	11 20 18	21°56'27	2♂50	26°46	24°17	29°17	10°3	14°38	25°8	23°41	21°5	18°25	17°4	4°36	16°5	S 13
S 14	11 24 14	22°56'04	14°53	27°12	25°31	0♂4	10°5	14°34	25°11	23°39	21°6	18°19	17°1	4°42	16°4	S 14
M15	11 28 11	23°55'38	27°3	27°43	26°46	0°52	10°6	14°30	25°14	23°38	21°7	18°13	16°57	4°49	16°3	M15
T 16	11 32 7	24°55'11	9♂23	28°18	28°1	1°39	10°8	14°26	25°17	23°36	21°8	18°6	16°54	4°56	16°3	T 16
W17	11 36 4	25°54'42	21°55	28°57	29°15	2°26	10°10	14°22	25°20	23°35	21°10	18°1	16°51	5°2	16°3	W17
T 18	11 40 1	26°54'11	4♂41	29°40	0♂30	3°13	10°12	14°18	25°23	23°34	21°11	17°57	16°48	5°9	16°3	T 18
F 19	11 43 57	27°53'38	17°44	0♂26	1°44	4°0	10°14	14°13	25°26	23°32	21°12	17°55	16°45	5°16	16°D 2	F 19
S 20	11 47 54	28°53'04	1♂6	1°16	2°59	4°47	10°17	14°9	25°29	23°31	21°13	17°D54	16°41	5°22	16°3	S 20
S 21	11 51 50	29°52'28	14°48	2°9	4°13	5°34	10°19	14°4	25°33	23°30	21°15	17°55	16°38	5°29	16°3	S 21
M22	11 55 47	0♂51'50	28°53	3°5	5°28	6°21	10°22	14°0	25°36	23°28	21°16	17°56	16°35	5°36	16°3	M22
T 23	11 59 43	1°51'10	13♂19	4°4	6°43	7°8	10°25	13°56	25°39	23°27	21°17	17°R57	16°32	5°42	16°3	T 23
W24	12 3 40	2°50'29	28°5	5°6	7°57	7°55	10°29	13°51	25°42	23°26	21°19	17°57	16°29	5°49	16°4	W24
T 25	12 7 36	3°49'45	13♂4	6°10	9°12	8°42	10°32	13°47	25°46	23°25	21°20	17°55	16°26	5°56	16°4	T 25
F 26	12 11 33	4°49'00	28°11	7°17	10°26	9°29	10°35	13°42	25°49	23°24	21°21	17°50	16°22	6°2	16°5	F 26
S 27	12 15 30	5°48'12	13♂14	8°26	11°40	10°15	10°39	13°38	25°52	23°22	21°23	17°44	16°19	6°9	16°5	S 27
S 28	12 19 26	6°47'23	28°4	9°38	12°55	11°2	10°43	13°33	25°55	23°21	21°24	17°36	16°16	6°16	16°6	S 28
M29	12 23 23	7°46'31	12♂34	10°51	14°9	11°49	10°47	13°28	25°59	23°20	21°25	17°28	16°13	6°22	16°7	M29
T 30	12 27 19	8°45'37	26°37	12°7	15°24	12°36	10°51	13°24	26°2	23°19	21°27	17°21	16°10	6°29	16°8	T 30
W31	12 31 16	9♂44'41	10♂12	13♂24	16♂38	13♂23	10♂56	13♂19	26♂5	23♂18	21♂28	17♂16	16♂7	6♂36	16♂9	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	7s51	17n47	5n 6	8s52	3n 8	9s25	1s26	15s56	1s 7	23n27	0n20	3s34	2n43	9n 3	0s32	14n 5
T 2	7 28	22 20	5 15	9 18	2 57	8 57	1 26	15 42	1 7	23 27	0 20	3 33	2 43	9 4	0 32	14 5
W 3	7 5	25 33	5 7	9 44	2 44	8 28	1 26	15 27	1 7	23 27	0 20	3 31	2 43	9 5	0 32	14 6
T 4	6 42	27 18	4 43	10 8	2 31	8 0	1 26	15 11	1 7	23 27	0 20	3 30	2 43	9 6	0 32	14 6
F 5	6 19	27 34	4 6	10 30	2 17	7 31	1 26	14 56	1 7	23 27	0 20	3 28	2 43	9 7	0 32	14 7
S 6	5 56	26 26	3 18	10 51	2 3	7 1	1 26	14 41	1 7	23 27	0 21	3 27	2 44	9 8	0 32	14 7
S 7	5 33	24 5	2 22	11 9	1 49	6 32	1 26	14 25	1 8	23 28	0 21	3 25	2 44	9 9	0 32	14 8
M 8	5 10	20 42	1 21	11 25	1 34	6 3	1 25	14 9	1 8	23 28	0 21	3 23	2 44	9 10	0 32	14 8
T 9	4 46	16 30	0 17	11 39	1 20	5 33	1 25	13 54	1 8	23 28	0 21	3 22	2 44	9 11	0 32	14 9
W10	4 23	11 42	0s47	11 51	1 6	5 3	1 25	13 38	1 8	23 28	0 21	3 20	2 44	9 12	0 32	14 9
T 11	3 59	6 29	1 50	12 1	0 52	4 33	1 24	13 21	1 8	23 28	0 21	3 19	2 44	9 13	0 32	14 10
F 12	3 36	1 2	2 48	12 8	0 38	4 3	1 24	13 5	1 8	23 28	0 21	3 17	2 45	9 14	0 32	14 10
S 13	3 12	4s28	3 38	12 14	0 25	3 33	1 23	12 49	1 8	23 28	0 21	3 15	2 45	9 15	0 32	14 11
S 14	2 49	9 52	4 20	12 17	0 12	3 3	1 23	12 32	1 8	23 27	0 21	3 13	2 45	9 17	0 31	14 11
M15	2 25	14 57	4 50	12 18	0s 1	2 32	1 22	12 16	1 9	23 27	0 21	3 12	2 45	9 18	0 31	14 12
T 16	2 1	19 30	5 7	12 15	0 13	2 2	1 21	11 59	1 9	23 27	0 21	3 10	2 45	9 19	0 31	14 12
W17	1 38	23 16	5 10	12 15	0 24	1 32	1 20	11 42	1 9	23 27	0 21	3 8	2 45	9 20	0 31	14 13
T 18	1 14	26 0	4 58	12 10	0 36	1 1	1 19	11 25	1 9	23 27	0 21	3 6	2 45	9 21	0 31	14 13
F 19	0 50	27 24	4 30	12 4	0 46	0 30	1 19	11 8	1 9	23 27	0 21	3 5	2 45	9 22	0 31	14 13
S 20	0 27	27 16	3 47	11 56	0 56	0n 0	1 18	10 51	1 9	23 27	0 21	3 3	2 46	9 24	0 31	14 14
S 21	0 3	25 29	2 50	11 46	1 6	0 31	1 17	10 34	1 9	23 27	0 21	3 1	2 46	9 25	0 31	14 14
M22	0n21	22 5	1 42	11 34	1 15	1 1	1 15	10 16	1 9	23 27	0 21	2 59	2 46	9 26	0 31	14 15
T 23	0 44	17 16	0 25	11 20	1 24	1 32	1 14	9 59	1 9	23 26	0 21	2 58	2 46	9 27	0 31	14 15
W24	1 8	11 19	0n55	11 5	1 32	2 3	1 13	9 41	1 9	23 26	0 21	2 56	2 46	9 28	0 31	14 16
T 25	1 32	4 38	2 12	10 48	1 39	2 33	1 12	9 24	1 9	23 26	0 22	2 54	2 46	9 29	0 31	14 16
F 26	1 55	2n20	3 20	10 30	1 47	3 4	1 10	9 6	1 9	23 26	0 22	2 52	2 46	9 31	0 31	14 16
S 27	2 19	9 8	4 14	10 10	1 53	3 34	1 9	8 48	1 9	23 25	0 22	2 50	2 46	9 32	0 31	14 17
S 28	2 42	15 19	4 50	9 49	1 59	4 4	1 8	8 30	1 9	23 25	0 22	2 48	2 46	9 33	0 31	14 17
M29	3 6	20 30	5 6	9 26	2 5	4 35	1 6	8 12	1 9	23 25	0 22	2 47	2 46	9 34	0 31	14 17
T 30	3 29	24 21	5 3	9 2	2 10	5 5	1 5	7 54	1 9	23 25	0 22	2 45	2 46	9 36	0 31	14 18
W31	3n52	26n42	4n43	8s36	2s14	5n35	1s 3	7s36	1s 9	23n24	0n22	2s43	2n46	9n37	0s31	14n18

Julian Day Number = 2305141.5, Delta T = 89.93 sec

Ecliptic obliquity = 23°29'36", Nutation = 0°00'12", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 19°08'46", Lahiri = 18°15'46"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1599

geocentric

MAY 1599 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 33 29	9♂58'59	26♂30	7♂30	24♂52	7♂22	14♂28	11°R 4	27♂51	23°R 0	22♂11	14°R31	14♂28	10♂2	17♂30	S 1
S 2	14 37 26	10°57'01	8♂36	9°39	26° 6	8° 8	14°37	11♂ 0	27°55	23♂ 0	22°12	14♂31	14°25	10° 9	17°34	S 2
M 3	14 41 22	11°55'02	20°31	11°48	27°19	8°54	14°46	10°57	27°58	23° 0	22°14	14°31	14°22	10°15	17°38	M 3
T 4	14 45 19	12°53'01	2♂20	13°59	28°33	9°40	14°55	10°53	28° 2	22°D59	22°15	14°30	14°19	10°22	17°42	T 4
W 5	14 49 15	13°50'58	14° 8	16° 9	29°47	10°26	15° 4	10°50	28° 5	22°59	22°16	14°28	14°15	10°29	17°46	W 5
T 6	14 53 12	14°48'53	26° 1	18°20	1♂ 0	11°11	15°14	10°46	28° 8	23° 0	22°18	14°23	14°12	10°35	17°50	T 6
F 7	14 57 8	15°46'46	8♂ 2	20°30	2°14	11°57	15°23	10°43	28°12	23° 0	22°19	14°15	14° 9	10°42	17°55	F 7
S 8	15 1 5	16°44'38	20°14	22°40	3°27	12°43	15°33	10°39	28°15	23° 0	22°20	14° 5	14° 6	10°49	17°59	S 8
S 9	15 5 1	17°42'28	2♂41	24°49	4°41	13°28	15°42	10°36	28°18	23° 0	22°22	13°53	14° 3	10°55	18° 4	S 9
M10	15 8 58	18°40'16	15°21	26°57	5°54	14°14	15°52	10°33	28°22	23° 0	22°23	13°40	13°59	11° 2	18° 8	M10
T 11	15 12 54	19°38'03	28°16	29° 3	7° 8	14°59	16° 2	10°30	28°25	23° 0	22°24	13°27	13°56	11° 9	18°13	T 11
W12	15 16 51	20°35'49	11♂24	1♂ 8	8°21	15°45	16°12	10°27	28°28	23° 0	22°25	13°16	13°53	11°15	18°18	W12
T 13	15 20 48	21°33'34	24°44	3°11	9°34	16°30	16°22	10°24	28°31	23° 1	22°27	13° 7	13°50	11°22	18°22	T 13
F 14	15 24 44	22°31'17	8♂15	5°12	10°48	17°15	16°32	10°21	28°35	23° 1	22°28	13° 1	13°47	11°28	18°27	F 14
S 15	15 28 41	23°28'59	21°55	7°11	12° 1	18° 1	16°42	10°19	28°38	23° 1	22°29	12°57	13°44	11°35	18°32	S 15
S 16	15 32 37	24°26'40	5♂44	9° 7	13°14	18°46	16°53	10°16	28°41	23° 2	22°30	12°56	13°40	11°42	18°37	S 16
M17	15 36 34	25°24'20	19°41	11° 1	14°28	19°31	17° 3	10°13	28°44	23° 2	22°32	12°56	13°37	11°48	18°42	M17
T 18	15 40 30	26°21'59	3♂47	12°52	15°41	20°16	17°14	10°11	28°47	23° 3	22°33	12°56	13°34	11°55	18°47	T 18
W19	15 44 27	27°19'37	17°59	14°40	16°54	21° 2	17°24	10° 8	28°51	23° 3	22°34	12°54	13°31	12° 2	18°52	W19
T 20	15 48 23	28°17'14	2♂18	16°25	18° 7	21°47	17°35	10° 6	28°54	23° 3	22°35	12°51	13°28	12° 8	18°58	T 20
F 21	15 52 20	29°14'50	16°39	18° 8	19°21	22°32	17°46	10° 4	28°57	23° 4	22°36	12°45	13°24	12°15	19° 3	F 21
S 22	15 56 17	0♂12'25	0♂59	19°47	20°34	23°17	17°57	10° 2	29° 0	23° 5	22°38	12°36	13°21	12°22	19° 8	S 22
S 23	16 0 13	1° 9'59	15°12	21°24	21°47	24° 1	18° 7	10° 0	29° 3	23° 5	22°39	12°26	13°18	12°28	19°14	S 23
M24	16 4 10	2° 7'32	29°13	22°58	23° 0	24°46	18°18	9°58	29° 6	23° 6	22°40	12°15	13°15	12°35	19°19	M24
T 25	16 8 6	3° 5'04	12♂57	24°28	24°13	25°31	18°30	9°56	29° 9	23° 6	22°41	12° 4	13°12	12°42	19°25	T 25
W26	16 12 3	4° 2'35	26°20	25°55	25°26	26°16	18°41	9°54	29°12	23° 7	22°42	11°55	13° 9	12°48	19°30	W26
T 27	16 15 59	5° 0'05	9♂22	27°20	26°39	27° 1	18°52	9°52	29°15	23° 8	22°43	11°49	13° 5	12°55	19°36	T 27
F 28	16 19 56	5°57'34	22° 3	28°41	27°52	27°45	19° 3	9°51	29°18	23° 9	22°44	11°45	13° 2	13° 2	19°42	F 28
S 29	16 23 53	6°55'01	4♂24	29°59	29° 5	28°30	19°15	9°49	29°21	23° 9	22°45	11°43	12°59	13° 8	19°48	S 29
S 30	16 27 49	7°52'27	16°31	1♂13	0♂18	29°14	19°26	9°48	29°24	23°10	22°46	11°D43	12°56	13°15	19°53	S 30
M31	16 31 46	8♂49'52	28♂26	2♂24	1♂31	29♂59	19♂38	9♂46	29♂26	23♂11	22♂47	11♂43	12♂53	13♂22	19♂59	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14n51	22n26	1n34	13n39	0s25	19n 6	0n 5	1n57	1 s 4	23n 5	0n23	1s52	2n45	10n15	0s31	14n24	0n33	6s52	16s43	16s31	16s32	5n46	15n41	6s43
S 2	15 9	18 39	0 31	14 31	0 14	19 26	0 7	2 15	1 4	23 4	0 23	1 50	2 45	10 16	0 31	14 24	0 33	6 52	16 43	16 31	16 33	5 43	15 41	6 43
M 3	15 27	14 11	0s32	15 21	0 4	19 46	0 10	2 34	1 4	23 3	0 23	1 49	2 44	10 18	0 31	14 24	0 33	6 52	16 43	16 31	16 34	5 39	15 41	6 42
T 4	15 44	9 13	1 33	16 11	0n 7	20 5	0 12	2 52	1 3	23 2	0 23	1 48	2 44	10 19	0 31	14 24	0 33	6 51	16 44	16 31	16 34	5 36	15 41	6 42
W 5	16 2	3 57	2 30	16 59	0 17	20 23	0 15	3 10	1 3	23 1	0 23	1 47	2 44	10 20	0 31	14 24	0 33	6 51	16 44	16 32	16 35	5 33	15 41	6 41
T 6	16 19	1s29	3 21	17 46	0 28	20 41	0 17	3 29	1 3	23 0	0 23	1 45	2 44	10 21	0 31	14 24	0 33	6 51	16 44	16 33	16 36	5 30	15 41	6 41
F 7	16 36	6 55	4 3	18 32	0 38	20 58	0 20	3 47	1 2	22 59	0 23	1 44	2 44	10 22	0 31	14 24	0 33	6 50	16 44	16 35	16 37	5 26	15 41	6 40
S 8	16 53	12 10	4 35	19 16	0 48	21 15	0 22	4 5	1 2	22 58	0 23	1 43	2 44	10 24	0 31	14 24	0 33	6 50	16 44	16 38	16 38	5 23	15 41	6 39
S 9	17 9	17 2	4 55	19 57	0 58	21 31	0 25	4 23	1 2	22 57	0 23	1 42	2 43	10 25	0 31	14 24	0 33	6 50	16 44	16 42	16 39	5 20	15 41	6 39
M10	17 25	21 15	5 0	20 37	1 8	21 47	0 27	4 41	1 1	22 56	0 23	1 41	2 43	10 26	0 31	14 24	0 33	6 49	16 44	16 46	16 40	5 17	15 41	6 38
T 11	17 41	24 32	4 50	21 15	1 17	22 2	0 30	4 59	1 1	22 55	0 24	1 40	2 43	10 27	0 31	14 24	0 33	6 49	16 44	16 49	16 41	5 13	15 41	6 38
W12	17 56	26 35	4 25	21 50	1 25	22 16	0 32	5 17	1 1	22 54	0 24	1 39	2 43	10 28	0 31	14 24	0 33	6 49	16 45	16 52	16 42	5 10	15 41	6 37
T 13	18 12	27 9	3 45	22 22	1 33	22 30	0 35	5 34	1 0	22 53	0 24	1 38	2 43	10 29	0 31	14 24	0 33	6 48	16 45	16 55	16 43	5 7	15 40	6 37
F 14	18 27	26 6	2 52	22 52	1 41	22 43	0 37	5 52	1 0	22 52	0 24	1 37	2 43	10 31	0 31	14 23	0 33	6 48	16 45	16 57	16 44	5 4	15 40	6 36
S 15	18 41	23 30	1 49	23 19	1 48	22 56	0 39	6 10	1 0	22 50	0 24	1 36	2 42	10 32	0 31	14 23	0 33	6 48	16 45	16 58	16 45	5 0	15 40	6 36
S 16	18 55	19 30	0 38	23 44	1 54	23 8	0 42	6 27	0 59	22 49	0 24	1 35	2 42	10 33	0 31	14 23	0 33	6 47	16 45	16 58	16 45	4 57	15 40	6 35
M17	19 9	14 23	0n36	24 6	1 59	23 19	0 44	6 45	0 59	22 48	0 24	1 34	2 42	10 34	0 31	14 23	0 33	6 47	16 45	16 58	16 46	4 54	15 40	6 35
T 18	19 23	8 28	1 48	24 26	2 4	23 30	0 47	7 2	0 58	22 46	0 24	1 34	2 42	10 35	0 31	14 23	0 33	6 47	16 46	16 58	16 47	4 51	15 40	6 34
W19	19 36	2 5	2 54	24 43	2 7	23 39	0 49	7 20	0 58	22 45	0 24	1 33	2 42	10 36	0 31	14 23	0 33	6 47	16 46	16 59	16 48	4 47	15 39	6 34
T 20	19 49	4n26	3 50	24 58	2 10	23 49	0 51	7 37	0 58	22 44	0 24	1 32	2 41	10 37	0 31	14 23	0 33	6 46	16 46	17 0	16 49	4 44	15 39	6 33
F 21	20 2	10 44	4 32	25 10	2 13	23 57	0 53	7 54	0 57	22 42	0 24	1 31	2 41	10 38	0 31	14 22	0 33	6 46	16 46	17 1	16 50	4 41	15 39	6 33
S 22	20 14	16 27	4 56	25 20	2 14	24 5	0 56	8 11	0 57	22 41	0 24	1 31	2 41	10 40	0 31	14 22	0 33	6 46	16 46	17 4	16 51	4 38	15 39	6 33
S 23	20 26	21 14	5 1	25 27	2 15	24 12	0 58	8 28	0 56	22 40	0 24	1 30	2 41	10 41	0 31	14 22	0 33	6 46	16 47	17 7	16 52	4 34	15 38	6 32
M24	20 38	24 43	4 49	25 33	2 15	24 18	1 0	8 45	0 56	22 38	0 24	1 30	2 40	10 42	0 31	14 22	0 33	6 46	16 47	17 10	16 53	4 31	15 38	6 32
T 25	20 49	26 42	4 20	25 36	2 14	24 24	1 2	9 2	0 55	22 37	0 24	1 29	2 40	10 43	0 31	14 22	0 33	6 45	16 47	17 13	16 54	4 28	15 38	6 31
W26	21 0	27 3	3 37	25 38	2 12	24 29	1 4	9 18	0 55	22 35	0 24	1 29	2 40	10 44	0 31	14 21	0 33	6 45	16 47	17 15	16 55	4 25	15 37	6 31
T 27	21 11	25 53	2 43	25 37	2 9	24 33	1 6	9 35	0 54	22 34	0 24	1 28	2 40	10 45	0 31	14 21	0 33	6 45	16 47	17 17	16 55	4 21	15 37	6 30
F 28	21 21	23 23	1 43	25 35	2 6	24 37	1 9	9 51	0 54	22 32	0 24	1 28	2 40	10 46	0 31	14 21	0 33	6 45	16 48	17 18	16 56	4 18	15 37	6 30
S 29	21 31	19 50	0 39	25 31	2 2	24 40	1 11	10 8	0 53	22 31	0 24	1 27	2 39	10 47	0 31	14 21	0 33	6 45	16 48	17 19	16 57	4 15	15 36	6 30
S 30	21 40	15 31	0s26	25 26	1 57	24 42	1 12	10 24	0 54	22 29	0 24	1 27	2 39	10 48	0 31	14 20	0 33	6 44	16 48	17 19	16 58	4 12	15 36	6 29
M31	21n49	10n40	1s28	25n19	1n51	24n43	1n14	10n40	0s53	22n27	0n24	1s27	2n39	10n49	0s31	14n20	0n33	6s44	16s48	17s19	16s59	4n 8	15n35	6s29

ASTRODIENST EPHEMERIS for the year 1599

geocentric

JUNE 1599 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 35 42	9II47'16	10II17	3☾32	2☾44	0☿43	19☿49	9°R45	29°Y29	23°L12	22°Y48	11°R44	12°S50	13°II28	20☾5	T 1
W 2	16 39 39	10°44'39	22° 7	4°37	3°57	1°28	20° 1	9°A44	29°32	23°13	22°49	11°A43	12°46	13°35	20°11	W 2
T 3	16 43 35	11°42'00	4A 2	5°38	5°10	2°12	20°13	9°43	29°35	23°14	22°50	11°41	12°43	13°42	20°17	T 3
F 4	16 47 32	12°39'21	16° 7	6°35	6°23	2°56	20°24	9°42	29°38	23°15	22°51	11°36	12°40	13°48	20°23	F 4
S 5	16 51 28	13°36'41	28°25	7°29	7°36	3°40	20°36	9°41	29°40	23°16	22°52	11°29	12°37	13°55	20°29	S 5
S 6	16 55 25	14°33'59	11II 1	8°19	8°48	4°24	20°48	9°41	29°43	23°17	22°53	11°20	12°34	14° 2	20°35	S 6
M 7	16 59 22	15°31'17	23°54	9° 5	10° 1	5° 8	21° 0	9°40	29°46	23°18	22°54	11°11	12°30	14° 8	20°42	M 7
T 8	17 3 18	16°28'34	7A 6	9°47	11°14	5°52	21°12	9°39	29°48	23°19	22°55	11° 2	12°27	14°15	20°48	T 8
W 9	17 7 15	17°25'51	20°35	10°26	12°27	6°36	21°24	9°39	29°51	23°20	22°56	10°53	12°24	14°22	20°54	W 9
T 10	17 11 11	18°23'06	4☿18	11° 0	13°39	7°20	21°36	9°39	29°53	23°21	22°57	10°47	12°21	14°28	21° 0	T 10
F 11	17 15 8	19°20'22	18°13	11°29	14°52	8° 4	21°48	9°39	29°56	23°22	22°58	10°43	12°18	14°35	21° 7	F 11
S 12	17 19 4	20°17'37	2A17	11°55	16° 4	8°48	22° 0	9°38	29°58	23°23	22°59	10°41	12°15	14°42	21°13	S 12
S 13	17 23 1	21°14'51	16°25	12°16	17°17	9°32	22°13	9°D38	0☿ 1	23°25	22°59	10°D40	12°11	14°48	21°20	S 13
M14	17 26 57	22°12'05	0A36	12°33	18°30	10°15	22°25	9°38	0° 3	23°26	23° 0	10°41	12° 8	14°55	21°26	M14
T 15	17 30 54	23° 9'19	14°48	12°45	19°42	10°59	22°37	9°39	0° 6	23°27	23° 1	10°42	12° 5	15° 2	21°33	T 15
W16	17 34 51	24° 6'33	28°58	12°52	20°55	11°42	22°50	9°39	0° 8	23°28	23° 2	10°R42	12° 2	15° 8	21°39	W16
T 17	17 38 47	25° 3'47	13°Y 5	12°R55	22° 7	12°26	23° 2	9°39	0°10	23°30	23° 3	10°41	11°59	15°15	21°46	T 17
F 18	17 42 44	26° 1'01	27° 8	12°54	23°19	13° 9	23°15	9°40	0°13	23°31	23° 3	10°38	11°56	15°22	21°52	F 18
S 19	17 46 40	26°58'15	11☿ 4	12°48	24°32	13°52	23°27	9°40	0°15	23°32	23° 4	10°33	11°52	15°28	21°59	S 19
S 20	17 50 37	27°55'28	24°51	12°37	25°44	14°36	23°40	9°41	0°17	23°34	23° 5	10°26	11°49	15°35	22° 6	S 20
M21	17 54 33	28°52'42	8II25	12°23	26°56	15°19	23°52	9°42	0°19	23°35	23° 5	10°20	11°46	15°42	22°12	M21
T 22	17 58 30	29°49'55	21°45	12° 4	28° 9	16° 2	24° 5	9°43	0°21	23°37	23° 6	10°13	11°43	15°48	22°19	T 22
W23	18 2 26	0☿47'09	4☿50	11°42	29°21	16°45	24°18	9°44	0°23	23°38	23° 7	10° 8	11°40	15°55	22°26	W23
T 24	18 6 23	1°44'22	17°37	11°16	0☿L33	17°28	24°31	9°45	0°26	23°40	23° 7	10° 4	11°36	16° 2	22°33	T 24
F 25	18 10 20	2°41'35	0☿ 8	10°46	1°46	18°11	24°43	9°46	0°28	23°41	23° 8	10° 2	11°33	16° 8	22°40	F 25
S 26	18 14 16	3°38'47	12°23	10°15	2°58	18°54	24°56	9°47	0°30	23°43	23° 9	10°D 1	11°30	16°15	22°46	S 26
S 27	18 18 13	4°35'59	24°27	9°41	4°10	19°37	25° 9	9°48	0°31	23°44	23° 9	10° 2	11°27	16°22	22°53	S 27
M28	18 22 9	5°33'11	6II22	9° 5	5°22	20°19	25°22	9°50	0°33	23°46	23°10	10° 4	11°24	16°29	23° 0	M28
T 29	18 26 6	6°30'23	18°12	8°28	6°34	21° 2	25°35	9°51	0°35	23°48	23°10	10° 5	11°21	16°35	23° 7	T 29
W30	18 30 2	7☿27'35	0A 2	7☿51	7☿46	21☿44	25☿48	9☿53	0☿37	23☿49	23☿11	10☿ 6	11☿17	16☿42	23☿14	W30

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	
T 1	21n58	5n28	2s27	25n11	1n44	24n44	1n16	10n56	0s52	22n26	0n25	1s26	2n39	10n50	0s31	T 1
W 2	22 6 0	6 3	19 25	2 2	1 37	24 44	1 18	11 12	0 52	22 24	0 25	1 26	2 38	10 51	0 33	W 2
T 3	22 14	5s19	4 2	24 51	1 29	24 43	1 20	11 28	0 51	22 22	0 25	1 26	2 38	10 52	0 31	T 3
F 4	22 22	10 35	4 36	24 40	1 20	24 42	1 22	11 44	0 51	22 21	0 25	1 26	2 38	10 53	0 31	F 4
S 5	22 29	15 34	4 57	24 27	1 11	24 40	1 23	11 59	0 50	22 19	0 25	1 26	2 38	10 54	0 31	S 5
S 6	22 36	19 59	5 5	24 14	1 0	24 37	1 25	12 14	0 50	22 17	0 25	1 26	2 37	10 55	0 31	S 6
M 7	22 42	23 36	4 58	24 0	0 49	24 33	1 26	12 30	0 49	22 15	0 25	1 26	2 37	10 56	0 31	M 7
T 8	22 48	26 3	4 35	23 45	0 38	24 29	1 28	12 45	0 48	22 14	0 25	1 26	2 37	10 56	0 31	T 8
W 9	22 54	27 5	3 56	23 30	0 25	24 24	1 29	13 0	0 48	22 12	0 25	1 26	2 37	10 57	0 31	W 9
T 10	22 59	26 28	3 3	23 14	0 12	24 18	1 31	13 15	0 47	22 10	0 25	1 26	2 36	10 58	0 31	T 10
F 11	23 4	24 12	1 58	22 58	0s 1	24 11	1 32	13 29	0 47	22 8	0 25	1 26	2 36	10 59	0 31	F 11
S 12	23 8	20 26	0 45	22 42	0 15	24 4	1 33	13 44	0 46	22 6	0 25	1 26	2 36	11 0	0 31	S 12
S 13	23 12	15 27	0n31	22 26	0 30	23 56	1 35	13 58	0 46	22 4	0 25	1 26	2 36	11 1	0 31	S 13
M14	23 16	9 38	1 45	22 9	0 45	23 48	1 36	14 13	0 45	22 2	0 25	1 27	2 35	11 2	0 31	M14
T 15	23 19	3 20	2 54	21 52	1 1	23 38	1 37	14 27	0 45	22 0	0 25	1 27	2 35	11 3	0 31	T 15
W16	23 22	3n 7	3 51	21 36	1 17	23 28	1 38	14 41	0 44	21 58	0 25	1 27	2 35	11 3	0 31	W16
T 17	23 24	9 23	4 34	21 19	1 33	23 18	1 39	14 55	0 43	21 56	0 25	1 28	2 35	11 4	0 31	T 17
F 18	23 26	15 8	5 0	21 3	1 49	23 6	1 40	15 9	0 43	21 54	0 25	1 28	2 34	11 5	0 31	F 18
S 19	23 27	20 4	5 9	20 48	2 5	22 55	1 40	15 22	0 42	21 52	0 26	1 29	2 34	11 6	0 31	S 19
S 20	23 29	23 51	4 59	20 33	2 22	22 42	1 41	15 36	0 42	21 50	0 26	1 29	2 34	11 6	0 31	S 20
M21	23 29	26 15	4 33	20 18	2 38	22 29	1 42	15 49	0 41	21 48	0 26	1 30	2 34	11 7	0 31	M21
T 22	23 30	27 6	3 52	20 4	2 54	22 15	1 42	16 2	0 40	21 46	0 26	1 30	2 33	11 8	0 31	T 22
W23	23 29	26 24	2 59	19 51	3 9	22 0	1 43	16 15	0 40	21 44	0 26	1 31	2 33	11 9	0 31	W23
T 24	23 29	24 18	1 59	19 38	3 24	21 45	1 43	16 28	0 39	21 41	0 26	1 32	2 33	11 9	0 31	T 24
F 25	23 28	21 3	0 54	19 26	3 37	21 30	1 44	16 40	0 38	21 39	0 26	1 32	2 33	11 10	0 31	F 25
S 26	23 27	16 55	0s13	19 16	3 51	21 14	1 44	16 53	0 38	21 37	0 26	1 33	2 32	11 11	0 31	S 26
S 27	23 25	12 11	1 18	19 6	4 3	20 57	1 44	17 5	0 37	21 35	0 26	1 34	2 32	11 11	0 31	S 27
M28	23 23	7 3	2 19	18 58	4 13	20 39	1 44	17 17	0 36	21 32	0 26	1 35	2 32	11 12	0 31	M28
T 29	23 20	1 42	3 14	18 51	4 23	20 21	1 44	17 29	0 36	21 30	0 26	1 35	2 32	11 13	0 32	T 29
W30	23n17	3s41	4s 0	18n45	4s31	20n 3	1n44	17n41	0s35	21n28	0n26	1s36	2n31	11n13	0s32	W30

Julian Day Number = 2305233.5, Delta T = 89.59 sec

Ecliptic obliquity = 23°29'35, Nutation = 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 19°08'59, Lahiri = 18°15'59Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1599

geocentric

JULY 1599 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 33 59	8°24'46	11°58	7°R14	8°L58	22°8'27	26°51	9°55	0°8'39	23°L51	23°V11	10°R 7	11°58	16°M49	23°21	T 1
F 2	18 37 55	9°21'57	24° 4	6°38	10°10	23° 9	26°14	9°57	0°40	23°53	23°12	10°58	11°11	16°55	23°28	F 2
S 3	18 41 52	10°19'08	6°M24	6° 4	11°22	23°52	26°27	9°59	0°42	23°54	23°12	10° 3	11° 8	17° 2	23°35	S 3
S 4	18 45 49	11°16'19	19° 3	5°31	12°34	24°34	26°40	10° 1	0°44	23°56	23°13	10° 0	11° 5	17° 9	23°42	S 4
M 5	18 49 45	12°13'30	2°27	5° 1	13°45	25°16	26°53	10° 3	0°45	23°58	23°13	9°56	11° 2	17°15	23°49	M 5
T 6	18 53 42	13°10'41	15°24	4°35	14°57	25°58	27° 6	10° 5	0°47	24° 0	23°13	9°52	10°58	17°22	23°56	T 6
W 7	18 57 38	14° 7'52	29° 8	4°12	16° 9	26°40	27°19	10° 7	0°48	24° 1	23°14	9°48	10°55	17°29	24° 3	W 7
T 8	19 1 35	15° 5'04	13°31	3°53	17°21	27°22	27°32	10°10	0°50	24° 3	23°14	9°45	10°52	17°35	24°10	T 8
F 9	19 5 31	16° 2'15	27°30	3°38	18°32	28° 4	27°45	10°12	0°51	24° 5	23°14	9°44	10°49	17°42	24°17	F 9
S 10	19 9 28	16°59'27	12°58	3°29	19°44	28°46	27°58	10°15	0°53	24° 7	23°15	9°D44	10°46	17°49	24°25	S 10
S 11	19 13 25	17°56'40	26°34	3°D24	20°55	29°28	28°11	10°18	0°54	24° 9	23°15	9°44	10°42	17°55	24°32	S 11
M12	19 17 21	18°53'53	11°H 7	3°25	22° 7	0°H10	28°24	10°20	0°55	24°11	23°15	9°45	10°39	18° 2	24°39	M12
T 13	19 21 18	19°51'07	25°34	3°31	23°18	0°51	28°38	10°23	0°57	24°12	23°16	9°47	10°36	18° 9	24°46	T 13
W14	19 25 14	20°48'21	9°V53	3°43	24°30	1°33	28°51	10°26	0°58	24°14	23°16	9°47	10°33	18°15	24°53	W14
T 15	19 29 11	21°45'36	24° 0	4° 1	25°41	2°14	29° 4	10°29	0°59	24°16	23°16	9°R48	10°30	18°22	25° 0	T 15
F 16	19 33 7	22°42'52	7°54	4°24	26°52	2°56	29°17	10°32	1° 0	24°18	23°16	9°47	10°27	18°29	25° 8	F 16
S 17	19 37 4	23°40'10	21°33	4°53	28° 4	3°37	29°30	10°36	1° 1	24°20	23°16	9°46	10°23	18°35	25°15	S 17
S 18	19 41 0	24°37'28	4°H58	5°28	29°15	4°18	29°44	10°39	1° 2	24°22	23°16	9°44	10°20	18°42	25°22	S 18
M19	19 44 57	25°34'46	18° 9	6° 8	0°H26	4°59	29°57	10°42	1° 3	24°24	23°17	9°42	10°17	18°49	25°29	M19
T 20	19 48 54	26°32'06	1°56	6°54	1°37	5°40	0°H10	10°46	1° 4	24°26	23°17	9°40	10°14	18°55	25°36	T 20
W21	19 52 50	27°29'27	13°48	7°46	2°48	6°21	0°24	10°49	1° 5	24°28	23°17	9°39	10°11	19° 2	25°43	W21
T 22	19 56 47	28°26'48	26°18	8°43	3°59	7° 2	0°37	10°53	1° 6	24°30	23°17	9°38	10° 8	19° 9	25°51	T 22
F 23	20 0 43	29°24'10	8°L35	9°46	5°10	7°43	0°50	10°57	1° 6	24°32	23°17	9°D38	10° 4	19°15	25°58	F 23
S 24	20 4 40	0°L21'32	20°42	10°54	6°21	8°24	1° 3	11° 1	1° 7	24°34	23°R17	9°38	10° 1	19°22	26° 5	S 24
S 25	20 8 36	1°18'56	2°H40	12° 7	7°32	9° 4	1°17	11° 5	1° 8	24°36	23°17	9°39	9°58	19°29	26°12	S 25
M26	20 12 33	2°16'20	14°32	13°25	8°42	9°45	1°30	11° 8	1° 8	24°38	23°17	9°39	9°55	19°35	26°19	M26
T 27	20 16 29	3°13'44	26°22	14°48	9°53	10°26	1°43	11°13	1° 9	24°41	23°17	9°40	9°52	19°42	26°27	T 27
W28	20 20 26	4°11'10	8°L12	16°16	11° 4	11° 6	1°56	11°17	1° 9	24°43	23°17	9°41	9°48	19°49	26°34	W28
T 29	20 24 23	5° 8'36	20° 7	17°49	12°14	11°46	2°10	11°21	1°10	24°45	23°17	9°41	9°45	19°55	26°41	T 29
F 30	20 28 19	6° 6'03	2°M11	19°25	13°25	12°26	2°23	11°25	1°10	24°47	23°17	9°R41	9°42	20° 2	26°48	F 30
S 31	20 32 16	7°L 3'30	14°M30	21°56	14°M35	13°H 7	2°L36	11°L30	1°H11	24°L49	23°V16	9°54	9°58	20°M 9	26°55	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	23n14	8s59	4s36	18n40	4s38	19n44	1n44	17n52	0s34	21n25	0n26	1s37	2n31	11n14	0s32	14n 7
F 2	23 10	14 1	5 1	18 37	4 43	19 24	1 44	18 4	0 34	21 23	0 26	1 38	2 31	11 14	0 32	14 6
S 3	23 5	18 36	5 12	18 35	4 46	19 4	1 44	18 15	0 33	21 21	0 26	1 39	2 31	11 15	0 32	14 6
S 4	23 1	22 28	5 9	18 35	4 48	18 44	1 43	18 26	0 32	21 18	0 26	1 40	2 30	11 16	0 32	14 5
M 5	22 56	25 21	4 50	18 36	4 49	18 23	1 43	18 37	0 32	21 16	0 27	1 41	2 30	11 16	0 32	14 4
T 6	22 50	26 55	4 15	18 38	4 47	18 1	1 42	18 47	0 31	21 13	0 27	1 42	2 30	11 17	0 32	14 4
W 7	22 44	26 54	3 25	18 41	4 44	17 39	1 42	18 58	0 30	21 11	0 27	1 43	2 30	11 17	0 32	14 3
T 8	22 38	25 10	2 21	18 46	4 40	17 17	1 41	19 8	0 29	21 8	0 27	1 45	2 29	11 18	0 32	14 3
F 9	22 32	21 48	1 7	18 52	4 34	16 54	1 40	19 18	0 29	21 6	0 27	1 46	2 29	11 18	0 32	14 2
S 10	22 25	17 2	0n13	18 59	4 27	16 30	1 39	19 28	0 28	21 3	0 27	1 47	2 29	11 19	0 32	14 1
S 11	22 17	11 15	1 31	19 8	4 19	16 7	1 39	19 38	0 27	21 1	0 27	1 48	2 29	11 19	0 32	14 1
M12	22 9	4 53	2 45	19 17	4 10	15 42	1 38	19 48	0 27	20 58	0 27	1 50	2 28	11 19	0 32	14 0
T 13	22 1	1n42	3 47	19 27	4 0	15 18	1 36	19 57	0 26	20 55	0 27	1 51	2 28	11 20	0 32	14 0
W14	21 53	8 7	4 34	19 38	3 48	14 53	1 35	20 6	0 25	20 53	0 27	1 52	2 28	11 20	0 32	13 59
T 15	21 44	14 2	5 4	19 50	3 36	14 28	1 34	20 15	0 24	20 50	0 27	1 54	2 28	11 21	0 32	13 58
F 16	21 35	19 8	5 16	20 2	3 24	14 2	1 33	20 24	0 24	20 47	0 27	1 55	2 28	11 21	0 32	13 58
S 17	21 25	23 10	5 9	20 14	3 10	13 36	1 31	20 33	0 23	20 45	0 27	1 57	2 27	11 21	0 32	13 57
S 18	21 15	25 51	4 46	20 26	2 57	13 10	1 30	20 41	0 22	20 42	0 28	1 58	2 27	11 22	0 32	13 56
M19	21 4	27 4	4 8	20 39	2 43	12 43	1 28	20 50	0 21	20 39	0 28	2 0	2 27	11 22	0 32	13 56
T 20	20 54	26 47	3 17	20 51	2 28	12 16	1 26	20 58	0 20	20 37	0 28	2 1	2 27	11 22	0 32	13 55
W21	20 43	25 4	2 18	21 3	2 13	11 49	1 24	21 6	0 20	20 34	0 28	2 3	2 26	11 23	0 32	13 54
T 22	20 31	22 8	1 13	21 14	1 59	11 21	1 23	21 13	0 19	20 31	0 28	2 5	2 26	11 23	0 32	13 54
F 23	20 19	18 15	0 6	21 25	1 44	10 53	1 21	21 21	0 18	20 28	0 28	2 6	2 26	11 23	0 32	13 53
S 24	20 7	13 40	1s 1	21 34	1 29	10 25	1 19	21 28	0 17	20 25	0 28	2 8	2 26	11 23	0 32	13 52
S 25	19 55	8 37	2 4	21 43	1 14	9 57	1 17	21 35	0 17	20 23	0 28	2 10	2 25	11 24	0 32	13 52
M26	19 42	3 18	3 2	21 50	0 59	9 28	1 14	21 42	0 16	20 20	0 28	2 11	2 25	11 24	0 32	13 51
T 27	19 29	2s 5	3 51	21 55	0 45	8 59	1 12	21 49	0 15	20 17	0 28	2 13	2 25	11 24	0 32	13 50
W28	19 15	7 24	4 31	21 59	0 31	8 30	1 10	21 55	0 14	20 14	0 28	2 15	2 25	11 24	0 32	13 49
T 29	19 1	12 29	4 59	22 1	0 17	8 1	1 7	22 2	0 13	20 11	0 28	2 17	2 25	11 24	0 32	13 49
F 30	18 47	17 10	5 15	22 1	0 4	7 32	1 5	22 8	0 12	20 8	0 29	2 19	2 24	11 24	0 32	13 48
S 31	18n33	21s15	5s16	21n58	0n 9	7n 2	1n 2	22n14	0s12	20n 5	0n29	2s21	2n24	11n24	0s32	13n47

Julian Day Number = 2305263.5, Delta T = 89.48 sec
 Ecliptic obliquity = 23°29'34", Nutation = 0°00'13", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 19°09'03", Lahiri = 18°16'03"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1599
geocentric

AUGUST 1599 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 36 12	8♌ 0'59	27♍ 6	22♎ 51	15♏ 46	13♐ 47	2♑ 49	11♒ 34	1♓ 11	24♓ 51	23♒ 16	9♓ 41	9♓ 36	20♓ 15	27♎ 2	S 1
M 2	20 40 9	8°58'28	10♌ 5	24°38	16°56	14°27	3° 3	11°38	1°11	24°53	23♒ 16	9♓ 41	9°33	20°22	27° 9	M 2
T 3	20 44 5	9°55'58	23°27	26°29	18° 6	15° 7	3°16	11°43	1°11	24°55	23°16	9°D41	9°29	20°29	27°17	T 3
W 4	20 48 2	10°53'29	7♌ 16	28°23	19°16	15°46	3°29	11°48	1°12	24°58	23°16	9°41	9°26	20°36	27°24	W 4
T 5	20 51 58	11°51'01	21°29	0♌ 19	20°27	16°26	3°42	11°52	1°12	25° 0	23°15	9°41	9°23	20°42	27°31	T 5
F 6	20 55 55	12°48'34	6♌ 3	2°17	21°37	17° 6	3°55	11°57	1°12	25° 2	23°15	9°R41	9°20	20°49	27°38	F 6
S 7	20 59 52	13°46'08	20°53	4°16	22°47	17°45	4° 9	12° 2	1°R12	25° 4	23°15	9°41	9°17	20°56	27°45	S 7
S 8	21 3 48	14°43'43	5♌ 51	6°17	23°56	18°25	4°22	12° 7	1°12	25° 6	23°15	9°41	9°14	21° 2	27°52	S 8
M 9	21 7 45	15°41'19	20°48	8°18	25° 6	19° 4	4°35	12°12	1°12	25° 9	23°14	9°40	9°10	21° 9	27°59	M 9
T 10	21 11 41	16°38'57	5♒ 38	10°20	26°16	19°43	4°48	12°17	1°12	25°11	23°14	9°40	9° 7	21°16	28° 6	T 10
W11	21 15 38	17°36'37	20°13	12°22	27°25	20°22	5° 1	12°22	1°11	25°13	23°14	9°39	9° 4	21°22	28°13	W11
T 12	21 19 34	18°34'18	4♌ 29	14°24	28°35	21° 1	5°14	12°27	1°11	25°15	23°13	9°38	9° 1	21°29	28°20	T 12
F 13	21 23 31	19°32'00	18°24	16°26	29°44	21°40	5°27	12°33	1°11	25°17	23°13	9°D38	8°58	21°36	28°27	F 13
S 14	21 27 27	20°29'45	1♌ 57	18°28	0♌ 54	22°19	5°40	12°38	1°11	25°20	23°12	9°38	8°54	21°42	28°34	S 14
S 15	21 31 24	21°27'31	15°10	20°28	2° 3	22°58	5°53	12°43	1°10	25°22	23°12	9°39	8°51	21°49	28°41	S 15
M16	21 35 21	22°25'19	28° 4	22°28	3°12	23°37	6° 6	12°49	1°10	25°24	23°11	9°40	8°48	21°56	28°47	M16
T 17	21 39 17	23°23'09	10♌ 42	24°27	4°22	24°15	6°19	12°54	1° 9	25°26	23°11	9°41	8°45	22° 2	28°54	T 17
W18	21 43 14	24°21'00	23° 7	26°25	5°31	24°54	6°32	13° 0	1° 9	25°29	23°11	9°42	8°42	22° 9	29° 1	W18
T 19	21 47 10	25°18'53	5♌ 20	28°22	6°40	25°32	6°45	13° 6	1° 8	25°31	23°10	9°R43	8°39	22°16	29° 8	T 19
F 20	21 51 7	26°16'47	17°25	0♌ 17	7°48	26°11	6°58	13°11	1° 8	25°33	23° 9	9°43	8°35	22°22	29°15	F 20
S 21	21 55 3	27°14'43	29°22	2°12	8°57	26°49	7°11	13°17	1° 7	25°35	23° 9	9°42	8°32	22°29	29°21	S 21
S 22	21 59 0	28°12'40	11♌ 15	4° 5	10° 6	27°27	7°23	13°23	1° 6	25°37	23° 8	9°40	8°29	22°36	29°28	S 22
M23	22 2 56	29°10'39	23° 5	5°57	11°14	28° 5	7°36	13°29	1° 5	25°40	23° 8	9°37	8°26	22°42	29°35	M23
T 24	22 6 53	0♌ 8'40	4♌ 54	7°48	12°23	28°43	7°49	13°35	1° 5	25°42	23° 7	9°34	8°23	22°49	29°41	T 24
W25	22 10 50	1° 6'41	16°45	9°37	13°31	29°20	8° 2	13°41	1° 4	25°44	23° 7	9°30	8°20	22°56	29°48	W25
T 26	22 14 46	2° 4'45	28°41	11°25	14°39	29°58	8°14	13°47	1° 3	25°46	23° 6	9°27	8°16	23° 2	29°54	T 26
F 27	22 18 43	3° 2'49	10♌ 45	13°12	15°48	0♌ 36	8°27	13°53	1° 2	25°49	23° 5	9°24	8°13	23° 9	0♌ 1	F 27
S 28	22 22 39	4° 0'56	23° 2	14°57	16°56	1°13	8°40	13°59	1° 1	25°51	23° 5	9°23	8°10	23°16	0° 7	S 28
S 29	22 26 36	4°59'04	5♌ 34	16°42	18° 3	1°50	8°52	14° 5	1° 0	25°53	23° 4	9°D22	8° 7	23°23	0°14	S 29
M30	22 30 32	5°57'13	18°27	18°25	19°11	2°28	9° 5	14°11	0°59	25°55	23° 3	9°23	8° 4	23°29	0°20	M30
T 31	22 34 29	6♌ 55'23	1♌ 43	20♌ 7	20♌ 19	3♌ 5	9♌ 17	14♌ 18	0♌ 58	25♌ 57	23♒ 2	9♓ 24	8♓ 0	23♓ 36	0♌ 27	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	18n18	24s28	5s 3	21n53	0n21	6n32	0n59	22n20	0s11	20n 2	0n29	2s23	2n24	11n25	0s32	13n47
M 2	18 3	26 32	4 34	21 46	0 32	6 2	0 57	22 25	0 10	19 59	0 29	2 24	2 24	11 25	0 32	13 46
T 3	17 48	27 9	3 49	21 36	0 43	5 32	0 54	22 31	0 9	19 56	0 29	2 26	2 24	11 25	0 32	13 45
W 4	17 32	26 8	2 50	21 23	0 52	5 2	0 51	22 36	0 8	19 53	0 29	2 28	2 23	11 25	0 32	13 45
T 5	17 16	23 25	1 39	21 8	1 1	4 32	0 48	22 41	0 7	19 50	0 29	2 30	2 23	11 25	0 32	13 44
F 6	17 0	21 18	0 20	20 50	1 10	4 1	0 45	22 45	0 6	19 47	0 29	2 33	2 23	11 25	0 32	13 43
S 7	16 44	13 35	1n 2	20 29	1 17	3 31	0 42	22 50	0 6	19 44	0 29	2 35	2 23	11 25	0 32	13 42
S 8	16 27	7 13	2 20	20 6	1 24	3 0	0 39	22 54	0 5	19 41	0 29	2 37	2 23	11 25	0 32	13 42
M 9	16 10	0 27	3 29	19 40	1 29	2 29	0 35	22 59	0 4	19 38	0 29	2 39	2 22	11 25	0 32	13 41
T 10	15 53	6n16	4 23	19 12	1 34	1 59	0 32	23 3	0 3	19 35	0 30	2 41	2 22	11 25	0 32	13 40
W11	15 35	12 32	4 59	18 42	1 38	1 28	0 29	23 7	0 2	19 32	0 30	2 43	2 22	11 25	0 32	13 39
T 12	15 18	17 59	5 16	18 9	1 41	0 57	0 25	23 10	0 1	19 29	0 30	2 45	2 22	11 24	0 32	13 39
F 13	15 0	22 21	5 13	17 35	1 43	0 26	0 22	23 14	0 0	19 26	0 30	2 48	2 22	11 24	0 32	13 38
S 14	14 41	25 23	4 53	17 0	1 45	0s 5	0 18	23 17	0n 1	19 23	0 30	2 50	2 22	11 24	0 32	13 37
S 15	14 23	26 56	4 18	16 22	1 46	0 36	0 14	23 20	0 2	19 20	0 30	2 52	2 21	11 24	0 32	13 36
M16	14 4	26 59	3 31	15 43	1 46	1 7	0 11	23 23	0 3	19 17	0 30	2 54	2 21	11 24	0 32	13 36
T 17	13 45	25 37	2 34	15 3	1 46	1 38	0 7	23 26	0 3	19 13	0 30	2 57	2 21	11 24	0 32	13 35
W18	13 26	23 0	1 31	14 22	1 44	2 9	0 3	23 28	0 4	19 10	0 30	2 59	2 21	11 23	0 32	13 34
T 19	13 7	19 22	0 24	13 40	1 43	2 40	0s 1	23 30	0 5	19 7	0 31	3 1	2 21	11 23	0 33	13 33
F 20	12 47	14 59	0s42	12 58	1 40	3 11	0 5	23 32	0 6	19 4	0 31	3 4	2 21	11 23	0 33	13 33
S 21	12 27	10 3	1 46	12 14	1 38	3 42	0 9	23 34	0 7	19 1	0 31	3 6	2 20	11 23	0 33	13 32
S 22	12 7	4 49	2 45	11 30	1 34	4 12	0 13	23 36	0 8	18 58	0 31	3 8	2 20	11 23	0 33	13 31
M23	11 47	0s34	3 37	10 45	1 31	4 43	0 17	23 38	0 9	18 55	0 31	3 11	2 20	11 22	0 33	13 30
T 24	11 27	5 55	4 19	10 0	1 27	5 14	0 21	23 39	0 10	18 51	0 31	3 13	2 20	11 22	0 33	13 30
W25	11 6	11 3	4 50	9 15	1 22	5 44	0 25	23 41	0 11	18 48	0 31	3 16	2 20	11 22	0 33	13 29
T 26	10 45	15 50	5 9	8 29	1 17	6 15	0 30	23 42	0 12	18 45	0 31	3 18	2 20	11 21	0 33	13 28
F 27	10 25	20 3	5 14	7 43	1 12	6 45	0 34	23 42	0 13	18 42	0 31	3 21	2 20	11 21	0 33	13 28
S 28	10 4	23 29	5 5	6 58	1 6	7 15	0 38	23 43	0 14	18 39	0 32	3 23	2 19	11 21	0 33	13 27
S 29	9 42	25 54	4 42	6 12	1 1	7 45	0 43	23 44	0 15	18 35	0 32	3 26	2 19	11 20	0 33	13 26
M30	9 21	27 3	4 4	5 26	0 55	8 15	0 47	23 44	0 16	18 32	0 32	3 28	2 19	11 20	0 33	13 25
T 31	8n59	26s41	3s12	4n40	0n48	8s45	0s52	23n44	0n17	18n29	0n32	3s31	2n19	11n19	0s33	13n25

Julian Day Number = 2305294.5, Delta T = 89.37 sec
Ecliptic obliquity = 23°29'34", Nutation = 0°00'14", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'07", Lahiri = 18°16'07"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1599
geocentric

SEPTEMBER 1599 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 38 25	7 ^h 53'36	15 ^h 26	21 ^h 47	21 ^h 26	3 ^h 42	9 ^h 29	14 ^h 24	0 ^h 57	26 ^h 0	23 ^h 2	9 ^h 26	7 ^h 57	23 ^h 43	0 ^h 33	W 1
T 2	22 42 22	8 ^h 51'49	29 ^h 36	23 ^h 27	22 ^h 34	4 ^h 18	9 ^h 42	14 ^h 30	0 ^h 55	26 ^h 2	23 ^h 1	9 ^h 27	7 ^h 54	23 ^h 49	0 ^h 39	T 2
F 3	22 46 19	9 ^h 50'05	14 ^h 36	25 ^h 5	23 ^h 41	4 ^h 55	9 ^h 54	14 ^h 37	0 ^h 54	26 ^h 4	23 ^h 0	9 ^h 27	7 ^h 51	23 ^h 56	0 ^h 46	F 3
S 4	22 50 15	10 ^h 48'21	29 ^h 9	26 ^h 42	24 ^h 48	5 ^h 32	10 ^h 6	14 ^h 43	0 ^h 53	26 ^h 6	22 ^h 59	9 ^h 26	7 ^h 48	24 ^h 3	0 ^h 52	S 4
S 5	22 54 12	11 ^h 46'40	14 ^h 20	28 ^h 18	25 ^h 55	6 ^h 8	10 ^h 19	14 ^h 49	0 ^h 52	26 ^h 8	22 ^h 59	9 ^h 23	7 ^h 45	24 ^h 9	0 ^h 58	S 5
M 6	22 58 8	12 ^h 45'00	29 ^h 35	29 ^h 53	27 ^h 2	6 ^h 45	10 ^h 31	14 ^h 56	0 ^h 50	26 ^h 10	22 ^h 58	9 ^h 19	7 ^h 41	24 ^h 16	1 ^h 4	M 6
T 7	23 2 5	13 ^h 43'22	14 ^h 44	1 ^h 27	28 ^h 9	7 ^h 21	10 ^h 43	15 ^h 3	0 ^h 49	26 ^h 13	22 ^h 57	9 ^h 14	7 ^h 38	24 ^h 23	1 ^h 10	T 7
W 8	23 6 1	14 ^h 41'47	29 ^h 37	3 ^h 0	29 ^h 15	7 ^h 57	10 ^h 55	15 ^h 9	0 ^h 47	26 ^h 15	22 ^h 56	9 ^h 9	7 ^h 35	24 ^h 29	1 ^h 16	W 8
T 9	23 9 58	15 ^h 40'13	14 ^h 8	4 ^h 31	0 ^h 21	8 ^h 33	11 ^h 7	15 ^h 16	0 ^h 46	26 ^h 17	22 ^h 55	9 ^h 5	7 ^h 32	24 ^h 36	1 ^h 22	T 9
F 10	23 13 54	16 ^h 38'42	28 ^h 11	6 ^h 2	1 ^h 28	9 ^h 9	11 ^h 19	15 ^h 22	0 ^h 44	26 ^h 19	22 ^h 54	9 ^h 2	7 ^h 29	24 ^h 43	1 ^h 28	F 10
S 11	23 17 51	17 ^h 37'13	11 ^h 48	7 ^h 31	2 ^h 34	9 ^h 45	11 ^h 31	15 ^h 29	0 ^h 43	26 ^h 21	22 ^h 53	9 ^h 1	7 ^h 26	24 ^h 49	1 ^h 34	S 11
S 12	23 21 48	18 ^h 35'46	24 ^h 58	8 ^h 59	3 ^h 40	10 ^h 21	11 ^h 42	15 ^h 36	0 ^h 41	26 ^h 23	22 ^h 52	9 ^h 1	7 ^h 22	24 ^h 56	1 ^h 39	S 12
M13	23 25 44	19 ^h 34'22	7 ^h 45	10 ^h 26	4 ^h 45	10 ^h 56	11 ^h 54	15 ^h 43	0 ^h 39	26 ^h 25	22 ^h 52	9 ^h 2	7 ^h 19	25 ^h 3	1 ^h 45	M13
T 14	23 29 41	20 ^h 32'59	20 ^h 13	11 ^h 52	5 ^h 51	11 ^h 31	12 ^h 6	15 ^h 50	0 ^h 38	26 ^h 27	22 ^h 51	9 ^h 3	7 ^h 16	25 ^h 10	1 ^h 51	T 14
W15	23 33 37	21 ^h 31'39	2 ^h 26	13 ^h 17	6 ^h 56	12 ^h 7	12 ^h 17	15 ^h 56	0 ^h 36	26 ^h 29	22 ^h 50	9 ^h 4	7 ^h 13	25 ^h 16	1 ^h 56	W15
T 16	23 37 34	22 ^h 30'21	14 ^h 29	14 ^h 41	8 ^h 1	12 ^h 42	12 ^h 29	16 ^h 3	0 ^h 34	26 ^h 31	22 ^h 49	9 ^h 4	7 ^h 10	25 ^h 23	2 ^h 2	T 16
F 17	23 41 30	23 ^h 29'05	26 ^h 24	16 ^h 3	9 ^h 6	13 ^h 17	12 ^h 41	16 ^h 10	0 ^h 32	26 ^h 33	22 ^h 48	9 ^h 3	7 ^h 6	25 ^h 30	2 ^h 8	F 17
S 18	23 45 27	24 ^h 27'51	8 ^h 15	17 ^h 25	10 ^h 11	13 ^h 52	12 ^h 52	16 ^h 17	0 ^h 31	26 ^h 36	22 ^h 47	8 ^h 59	7 ^h 3	25 ^h 36	2 ^h 13	S 18
S 19	23 49 23	25 ^h 26'39	20 ^h 5	18 ^h 45	11 ^h 16	14 ^h 26	13 ^h 3	16 ^h 24	0 ^h 29	26 ^h 38	22 ^h 46	8 ^h 53	7 ^h 0	25 ^h 43	2 ^h 18	S 19
M20	23 53 20	26 ^h 25'29	1 ^h 54	20 ^h 3	12 ^h 20	15 ^h 1	13 ^h 15	16 ^h 31	0 ^h 27	26 ^h 40	22 ^h 45	8 ^h 45	6 ^h 57	25 ^h 50	2 ^h 24	M20
T 21	23 57 16	27 ^h 24'21	13 ^h 46	21 ^h 21	13 ^h 24	15 ^h 35	13 ^h 26	16 ^h 38	0 ^h 25	26 ^h 42	22 ^h 44	8 ^h 36	6 ^h 54	25 ^h 56	2 ^h 29	T 21
W22	0 1 13	28 ^h 23'15	25 ^h 42	22 ^h 37	14 ^h 28	16 ^h 9	13 ^h 37	16 ^h 45	0 ^h 23	26 ^h 43	22 ^h 43	8 ^h 26	6 ^h 51	26 ^h 3	2 ^h 34	W22
T 23	0 5 10	29 ^h 22'11	7 ^h 42	23 ^h 51	15 ^h 32	16 ^h 44	13 ^h 48	16 ^h 52	0 ^h 21	26 ^h 45	22 ^h 42	8 ^h 17	6 ^h 47	26 ^h 10	2 ^h 39	T 23
F 24	0 9 6	0 ^h 21'09	19 ^h 51	25 ^h 4	16 ^h 36	17 ^h 17	13 ^h 59	16 ^h 59	0 ^h 19	26 ^h 47	22 ^h 41	8 ^h 9	6 ^h 44	26 ^h 16	2 ^h 44	F 24
S 25	0 13 3	1 ^h 20'09	2 ^h 10	26 ^h 15	17 ^h 39	17 ^h 51	14 ^h 10	17 ^h 6	0 ^h 17	26 ^h 49	22 ^h 40	8 ^h 3	6 ^h 41	26 ^h 23	2 ^h 49	S 25
S 26	0 16 59	2 ^h 19'11	14 ^h 41	27 ^h 24	18 ^h 42	18 ^h 25	14 ^h 21	17 ^h 13	0 ^h 15	26 ^h 51	22 ^h 39	7 ^h 59	6 ^h 38	26 ^h 30	2 ^h 54	S 26
M27	0 20 56	3 ^h 18'14	27 ^h 30	28 ^h 32	19 ^h 45	18 ^h 58	14 ^h 31	17 ^h 21	0 ^h 13	26 ^h 53	22 ^h 38	7 ^h 57	6 ^h 35	26 ^h 36	2 ^h 59	M27
T 28	0 24 52	4 ^h 17'19	10 ^h 39	29 ^h 37	20 ^h 47	19 ^h 32	14 ^h 42	17 ^h 28	0 ^h 11	26 ^h 55	22 ^h 36	7 ^h 57	6 ^h 31	26 ^h 43	3 ^h 4	T 28
W29	0 28 49	5 ^h 16'26	24 ^h 12	0 ^h 40	21 ^h 49	20 ^h 5	14 ^h 52	17 ^h 35	0 ^h 8	26 ^h 57	22 ^h 35	7 ^h 58	6 ^h 28	26 ^h 50	3 ^h 9	W29
T 30	0 32 45	6 ^h 15'35	8 ^h 10	1 ^h 41	22 ^h 51	20 ^h 38	15 ^h 3	17 ^h 42	0 ^h 6	26 ^h 59	22 ^h 34	7 ^h 58	6 ^h 25	26 ^h 57	3 ^h 13	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
W 1	8n38	24s43	2s 8	3n54	0n42	9s15	0s56	23n44	0n18	18n26	0n32	3s33	2n19	11n19	0s33	13n24	0n33	7s 6	17s17	17s56	18s19	0s53	13n46	6s27						
T 2	8 16	21 9	0 54	3 9	0 35	9 44	1 0	23 44	0 19	18 23	0 32	3 36	2 19	11 19	0 33	13 23	0 33	7 7	17 17	17 56	18 20	0 56	13 45	6 27						
F 3	7 54	16 11	0n26	2 23	0 28	10 13	1 5	23 44	0 20	18 20	0 32	3 38	2 19	11 18	0 33	13 22	0 33	7 7	17 18	17 56	18 21	1 0	13 43	6 28						
S 4	7 32	10 9	1 46	1 38	0 21	10 42	1 10	23 44	0 21	18 16	0 32	3 41	2 19	11 18	0 33	13 22	0 33	7 8	17 18	17 56	18 22	1 3	13 41	6 28						
S 5	7 10	3 25	2 59	0 53	0 14	11 11	1 14	23 43	0 22	18 13	0 33	3 44	2 18	11 17	0 33	13 21	0 33	7 8	17 18	17 57	18 22	1 6	13 40	6 29						
M 6	6 47	3n30	4 0	0 9	0 7	11 40	1 19	23 42	0 23	18 10	0 33	3 46	2 18	11 17	0 33	13 20	0 33	7 9	17 18	17 58	18 23	1 9	13 38	6 29						
T 7	6 25	10 10	4 44	0s35	0s 1	12 8	1 23	23 42	0 24	18 7	0 33	3 49	2 18	11 16	0 33	13 20	0 33	7 9	17 19	17 59	18 24	1 12	13 36	6 29						
W 8	6 2	16 9	5 7	1 19	0 8	12 36	1 28	23 40	0 25	18 4	0 33	3 51	2 18	11 16	0 33	13 19	0 33	7 10	17 19	18 0	18 25	1 16	13 35	6 30						
T 9	5 40	21 3	5 10	2 3	0 16	13 4	1 33	23 39	0 26	18 0	0 33	3 54	2 18	11 15	0 33	13 18	0 33	7 10	17 19	18 1	18 26	1 19	13 33	6 30						
F 10	5 17	24 35	4 54	2 46	0 24	13 32	1 37	23 38	0 27	17 57	0 33	3 57	2 18	11 15	0 33	13 17	0 33	7 11	17 19	18 2	18 27	1 22	13 31	6 31						
S 11	4 54	26 35	4 22	3 28	0 31	13 59	1 42	23 36	0 29	17 54	0 33	3 59	2 18	11 14	0 33	13 17	0 33	7 11	17 19	18 3	18 27	1 25	13 30	6 31						
S 12	4 31	27 0	3 37	4 10	0 39	14 26	1 46	23 35	0 30	17 51	0 33	4 2	2 18	11 13	0 33	13 16	0 33	7 12	17 20	18 3	18 28	1 28	13 28	6 32						
M13	4 8	25 58	2 42	4 52	0 47	14 53	1 51	23 33	0 31	17 48	0 34	4 5	2 18	11 13	0 33	13 15	0 33	7 12	17 20	18 2	18 29	1 32	13 26	6 32						
T 14	3 45	23 38	1 41	5 33	0 55	15 19	1 56	23 31	0 32	17 45	0 34	4 8	2 18	11 12	0 33	13 15	0 33	7 13	17 20	18 2	18 30	1 35	13 25	6 32						
W15	3 22	20 15	0 36	6 13	1 3	15 45	2 0	23 29	0 33	17 42	0 34	4 10	2 17	11 12	0 33	13 14	0 33	7 13	17 20	18 2	18 31	1 38	13 23	6 33						
T 16	2 59	16 4	0s29	6 53	1 10	16 11	2 5	23 27	0 34	17 38	0 34	4 13	2 17	11 11	0 33	13 13	0 33	7 14	17 20	18 2	18 31	1 41	13 21	6 33						
F 17	2 36	11 18	1 32	7 32	1 18	16 37	2 10	23 25	0 35	17 35	0 34	4 16	2 17	11 10	0 33	13 13	0 33	7 14	17 20	18 2	18 32	1 44	13 20	6 34						
S 18	2 12	6 9	2 31	8 10	1 26	17 2	2 14	23 22	0 36	17 32	0 34	4 18	2 17	11 10	0 33	13 12	0 33	7 15	17 21	18 3	18 33	1 48	13 18	6 34						
S 19	1 49	0 50	3 23	8 48	1 34	17 27	2 19	23 20	0 37	17 29	0 34	4 21	2 17	11 9	0 33	13 11	0 33	7 15	17 21	18 5	18 34	1 51	13 16	6 35						
M20	1 25	4s31	4 6	9 25	1 41	17 51	2 24	23 17	0 39	17 26	0 35	4 24	2 17	11 8	0 33	13 11	0 33	7 16	17 21	18 7	18 35	1 54	13 15	6 35						
T 21	1 2	9 43	4 38	10 1	1 49	18 15	2 28	23 14	0 40	17 23	0 35	4 27	2 17	11 8	0 33	13 10	0 33	7 16	17 21	18 9	18 35	1 57	13 13	6 36						
W22	0 39	14 35	4 59	10 37	1 56	18 39	2 33	23 11	0 41	17 20	0 35	4 29	2 17	11 7	0 33	13 9	0 33	7 17	17 21	18 12	18 36	2 0	13 12	6 36						
T 23	0 15	18 56	5 6	11 11	2 3	19 2	2 37	23 8	0 42	17 17	0 35	4 32	2 17	11 6	0 33	13 9	0 33	7 17	17 21	18 14	18 37	2 3	13 10	6 37						
F 24	0s 8	22 33	5 0	11 45	2 10	19 25	2 42	23 5	0 43	17 14	0 35	4 35	2 17	11 6	0 33	13 8	0 33	7 18	17 22	18 16	18 38	2 7	13 8	6 37						
S 25	0 32	25 12	4 40	12 17	2 17	19 47	2 46	23 2	0 44	17 11	0 35	4 38	2 17	11 5	0 33	13 7	0 33	7 18	17 22	18 18	18 39	2 10	13 7	6 38						
S 26	0 55	26 41	4 6	12 49	2 24	20 9	2 51	22 59	0 46	17 8	0 36	4 40	2 17	11 4	0 33	13 7	0 33	7 19	17 22	18 19	18 39	2 13	13 5	6 38						
M27	1 19	26 47	3 19	13 19	2 31	20 31	2 55	22 55	0 47	17 5	0 36	4 43	2 17	11 3	0 33	13 6	0 33	7 19	17 22	18 19	18 40	2 16	13 3	6 39						
T 28	1 43	25 24	2 21	13 48	2 37	20 52	2 59	22 52	0 48	17 2	0 36	4 46	2 17	11 3	0 33	13 5	0 33	7 19	17 22	18 19	18 41	2 19	13 2	6 40						
W 29	2 6	22 31	1 13	14 16	2 43	21 13	3 4	22 48	0 49	16 59	0 36	4 49	2 17	11 2	0 33	13 5	0 33	7 20	17 22	18 19	18 42	2 23	13 0	6 40						
T 30	2s29	18s15	0n 1	14s43	2s49	21s33	3s 8	22n44	0n51	16n56	0n36	4s51	2n17	11n 1	0s33	13n 4	0n33	7s20	17s22	18s19	18s43	2s26	12n59	6s41						

ASTRODIENST EPHEMERIS for the year 1599
geocentric

OCTOBER 1599 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 36 42	7♏14'45	22♏35	2♏39	23♏53	21♏10	15♏13	17♏49	0°R 4	27♏0	22°R33	7°R58	6♏22	27♏3	3♏18	F 1
S 2	0 40 39	8°13'57	7♏24	3°34	24°54	21°43	15°23	17°56	0♏2	27°2	22°Y32	7♏54	6°19	27°10	3°22	S 2
S 3	0 44 35	9°13'11	22°31	4°26	25°55	22°15	15°34	18°4	29°Y59	27°4	22°31	7°49	6°16	27°17	3°27	S 3
M 4	0 48 32	10°12'27	7°Y48	5°15	26°56	22°48	15°44	18°11	29°57	27°6	22°30	7°41	6°12	27°23	3°31	M 4
T 5	0 52 28	11°11'45	23°3	5°59	27°56	23°20	15°54	18°18	29°55	27°7	22°29	7°32	6°9	27°30	3°35	T 5
W 6	0 56 25	12°11'06	8♏7	6°40	28°56	23°52	16°4	18°25	29°53	27°9	22°28	7°22	6°6	27°37	3°39	W 6
T 7	1 0 21	13°10'28	22°49	7°17	29°55	24°23	16°13	18°33	29°50	27°11	22°27	7°13	6°3	27°43	3°43	T 7
F 8	1 4 18	14°9'53	7♏3	7°48	0♏54	24°55	16°23	18°40	29°48	27°12	22°25	7°6	6°0	27°50	3°47	F 8
S 9	1 8 14	15°9'20	20°47	8°14	1°53	25°26	16°33	18°47	29°46	27°14	22°24	7°1	5°57	27°57	3°51	S 9
S 10	1 12 11	16°8'49	4♏2	8°35	2°52	25°57	16°42	18°55	29°43	27°16	22°23	6°58	5°53	28°3	3°55	S 10
M 11	1 16 8	17°8'21	16°50	8°49	3°49	26°28	16°51	19°2	29°41	27°17	22°22	6°D58	5°50	28°10	3°59	M 11
T 12	1 20 4	18°7'55	29°16	8°R56	4°47	26°59	17°1	19°9	29°39	27°19	22°21	6°58	5°47	28°17	4°3	T 12
W 13	1 24 1	19°7'32	11♏26	8°56	5°44	27°30	17°10	19°16	29°36	27°20	22°20	6°R58	5°44	28°24	4°6	W 13
T 14	1 27 57	20°7'10	23°24	8°47	6°41	28°0	17°19	19°24	29°34	27°22	22°19	6°57	5°41	28°30	4°10	T 14
F 15	1 31 54	21°6'51	5♏15	8°31	7°37	28°30	17°28	19°31	29°31	27°23	22°18	6°53	5°37	28°37	4°13	F 15
S 16	1 35 50	22°6'34	17°4	8°6	8°32	29°0	17°37	19°38	29°29	27°25	22°16	6°47	5°34	28°44	4°17	S 16
S 17	1 39 47	23°6'19	28°53	7°31	9°27	29°30	17°45	19°46	29°26	27°26	22°15	6°38	5°31	28°50	4°20	S 17
M 18	1 43 43	24°6'06	10♏45	6°49	10°22	29°59	17°54	19°53	29°24	27°28	22°14	6°26	5°28	28°57	4°23	M 18
T 19	1 47 40	25°5'55	22°43	5°57	11°16	0♏28	18°2	20°0	29°21	27°29	22°13	6°13	5°25	29°4	4°26	T 19
W 20	1 51 37	26°5'46	4♏46	4°58	12°9	0°57	18°10	20°7	29°19	27°30	22°12	5°58	5°22	29°10	4°29	W 20
T 21	1 55 33	27°5'40	16°57	3°51	13°2	1°26	18°19	20°15	29°17	27°32	22°11	5°44	5°18	29°17	4°32	T 21
F 22	1 59 30	28°5'35	29°17	2°39	13°54	1°54	18°27	20°22	29°14	27°33	22°10	5°32	5°15	29°24	4°35	F 22
S 23	2 3 26	29°5'32	11♏45	1°24	14°46	2°22	18°35	20°29	29°12	27°34	22°8	5°22	5°12	29°31	4°37	S 23
S 24	2 7 23	0♏5'30	24°25	0°7	15°37	2°50	18°42	20°36	29°9	27°36	22°7	5°15	5°9	29°37	4°40	S 24
M 25	2 11 19	1°5'31	7♏17	28♏51	16°27	3°18	18°50	20°44	29°7	27°37	22°6	5°11	5°6	29°44	4°42	M 25
T 26	2 15 16	2°5'33	20°25	27°37	17°16	3°45	18°58	20°51	29°4	27°38	22°5	5°10	5°3	29°51	4°45	T 26
W 27	2 19 12	3°5'37	3♏52	26°30	18°5	4°13	19°5	20°58	29°2	27°39	22°4	5°10	4°59	29°57	4°47	W 27
T 28	2 23 9	4°5'42	17°39	25°30	18°52	4°39	19°12	21°5	28°59	27°40	22°3	5°9	4°56	0♏4	4°49	T 28
F 29	2 27 6	5°5'48	1♏48	24°39	19°39	5°6	19°19	21°12	28°57	27°41	22°2	5°8	4°53	0°11	4°51	F 29
S 30	2 31 2	6°5'56	16°19	23°58	20°25	5°32	19°26	21°19	28°54	27°42	22°1	5°4	4°50	0°17	4°53	S 30
S 31	2 34 59	7♏6'06	1°Y 8	23♏29	21♏10	5♏58	19♏33	21♏27	28°Y52	27♏44	21°Y59	4♏57	4♏47	0♏24	4♏55	S 31

Day	☉	☽		♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	2s53	12s48	1n17	15s 8	2s54	21s53	3s12	22n40	0n52	16n53	0n36	4s54	2n17	11n 0	0s33	13n 4	0n33	7s21	17s22	18s19	18s43	2s29	12n57	6s41	
S 2	3 16	6 29	2 30	15 32	2 59	22 12	3 16	22 37	0 53	16 50	0 37	4 57	2 16	11 0	0 33	13 3	0 33	7 21	17 22	18 20	18 44	2 32	12 56	6 42	
S 3	3 40	0n18	3 34	15 54	3 4	22 31	3 20	22 33	0 54	16 47	0 37	5 0	2 16	10 59	0 33	13 2	0 33	7 22	17 22	18 21	18 45	2 35	12 54	6 42	
M 4	4 3	7 8	4 23	16 15	3 8	22 49	3 24	22 29	0 56	16 45	0 37	5 3	2 16	10 58	0 33	13 2	0 33	7 22	17 23	18 23	18 46	2 38	12 52	6 43	
T 5	4 26	13 31	4 54	16 33	3 11	23 7	3 28	22 24	0 57	16 42	0 37	5 5	2 16	10 57	0 33	13 1	0 33	7 23	17 23	18 26	18 47	2 42	12 51	6 44	
W 6	4 50	19 1	5 3	16 50	3 14	23 25	3 32	22 20	0 58	16 39	0 37	5 8	2 16	10 56	0 33	13 1	0 34	7 23	17 23	18 28	18 47	2 45	12 49	6 44	
T 7	5 13	23 13	4 52	17 4	3 17	23 41	3 36	22 16	0 59	16 36	0 37	5 11	2 16	10 55	0 33	13 0	0 34	7 24	17 23	18 31	18 48	2 48	12 48	6 45	
F 8	5 36	25 52	4 23	17 16	3 18	23 58	3 39	22 11	1 1	16 33	0 38	5 14	2 16	10 55	0 33	13 0	0 34	7 24	17 23	18 32	18 49	2 51	12 46	6 45	
S 9	5 59	26 49	3 40	17 25	3 19	24 13	3 43	22 7	1 2	16 31	0 38	5 16	2 16	10 54	0 33	12 59	0 34	7 25	17 23	18 34	18 50	2 54	12 45	6 46	
S 10	6 22	26 12	2 46	17 32	3 19	24 29	3 47	22 3	1 3	16 28	0 38	5 19	2 16	10 53	0 33	12 59	0 34	7 25	17 23	18 34	18 51	2 57	12 43	6 47	
M11	6 45	24 10	1 45	17 35	3 18	24 43	3 50	21 58	1 5	16 25	0 38	5 22	2 16	10 52	0 33	12 58	0 34	7 25	17 23	18 34	18 51	3 1	12 42	6 47	
T 12	7 8	21 1	0 41	17 35	3 15	24 58	3 53	21 53	1 6	16 23	0 38	5 25	2 16	10 51	0 33	12 58	0 34	7 26	17 23	18 34	18 52	3 4	12 40	6 48	
W13	7 30	17 1	0s24	17 32	3 12	25 11	3 57	21 49	1 8	16 20	0 38	5 27	2 16	10 50	0 33	12 57	0 34	7 26	17 23	18 34	18 53	3 7	12 39	6 49	
T 14	7 53	12 24	1 26	17 24	3 7	25 24	4 0	21 44	1 9	16 18	0 39	5 30	2 16	10 50	0 33	12 57	0 34	7 27	17 23	18 35	18 54	3 10	12 38	6 49	
F 15	8 15	7 22	2 24	17 13	3 0	25 37	4 3	21 39	1 10	16 15	0 39	5 33	2 16	10 49	0 33	12 56	0 34	7 27	17 23	18 36	18 54	3 13	12 36	6 50	
S 16	8 38	2 7	3 15	16 57	2 52	25 49	4 6	21 34	1 12	16 13	0 39	5 36	2 16	10 48	0 33	12 56	0 34	7 27	17 23	18 37	18 55	3 16	12 35	6 51	
S 17	9 0	3s12	3 58	16 36	2 42	26 0	4 8	21 30	1 13	16 10	0 39	5 38	2 16	10 47	0 33	12 55	0 34	7 28	17 23	18 39	18 56	3 20	12 33	6 51	
M18	9 22	8 25	4 31	16 11	2 31	26 11	4 11	21 25	1 15	16 8	0 39	5 41	2 16	10 46	0 33	12 55	0 34	7 28	17 23	18 42	18 57	3 23	12 32	6 52	
T 19	9 44	13 22	4 52	15 41	2 17	26 22	4 13	21 20	1 16	16 5	0 40	5 44	2 16	10 45	0 33	12 54	0 34	7 29	17 23	18 46	18 58	3 26	12 31	6 53	
W20	10 6	17 50	5 0	15 7	2 2	26 31	4 16	21 15	1 17	16 3	0 40	5 47	2 16	10 44	0 33	12 54	0 34	7 29	17 23	18 49	18 58	3 29	12 29	6 53	
T 21	10 28	21 38	4 54	14 29	1 45	26 41	4 18	21 10	1 19	16 0	0 40	5 49	2 16	10 44	0 33	12 53	0 34	7 29	17 23	18 53	18 59	3 32	12 28	6 54	
F 22	10 49	24 31	4 35	13 47	1 27	26 49	4 20	21 5	1 20	15 58	0 40	5 52	2 17	10 43	0 33	12 53	0 34	7 30	17 23	18 56	19 0	3 35	12 27	6 55	
S 23	11 11	26 15	4 2	13 2	1 7	26 57	4 22	21 0	1 22	15 56	0 40	5 55	2 17	10 42	0 33	12 52	0 34	7 30	17 23	18 58	19 1	3 38	12 25	6 55	
S 24	11 32	26 40	3 17	12 16	0 47	27 5	4 24	20 55	1 23	15 54	0 41	5 57	2 17	10 41	0 33	12 52	0 34	7 30	17 23	19 0	19 1	3 42	12 24	6 56	
M25	11 53	25 39	2 21	11 30	0 27	27 12	4 25	20 50	1 25	15 51	0 41	6 0	2 17	10 40	0 33	12 52	0 34	7 31	17 23	19 1	19 2	3 45	12 23	6 57	
T 26	12 14	23 12	1 17	10 45	0 6	27 18	4 27	20 45	1 27	15 49	0 41	6 3	2 17	10 39	0 33	12 51	0 34	7 31	17 22	19 1	19 3	3 48	12 22	6 57	
W27	12 34	19 27	0 7	10 1	0n14	27 24	4 28	20 40	1 28	15 47	0 41	6 5	2 17	10 38	0 33	12 51	0 34	7 31	17 22	19 1	19 4	3 51	12 20	6 58	
T 28	12 55	14 32	1n 5	9 21	0 34	27 29	4 29	20 36	1 30	15 45	0 41	6 8	2 17	10 37	0 33	12 51	0 34	7 32	17 22	19 1	19 4	3 54	12 19	6 59	
F 29	13 15	8 45	2 16	8 46	0 52	27 34	4 30	20 31	1 31	15 43	0 42	6 11	2 17	10 37	0 33	12 50	0 34	7 32	17 22	19 2	19 5	3 57	12 18	7 0	
S 30	13 35	2 21	3 19	8 16	1 8	27 38	4 30	20 26	1 33	15 41	0 42	6 13	2 17	10 36	0 33	12 50	0 34	7 32	17 22	19 3	19 6	4 0	12 17	7 0	
S 31	13s55	4n16	4n10	7s51	1n23	27s42	4s31	20n21	1n34	15n39	0n42	6s16	2n17	10n35	0s33	12n49	0n34	7s33	17s22	19s 4	19s 7	4s 3	12n16	7s 1	

ASTRODIENST EPHEMERIS for the year 1599

geocentric

NOVEMBER 1599 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 38 55	8♈ 6'17	16♏ 9	23°R12	21♏54	6♈24	19♈40	21♏34	28°R49	27♈45	21°R58	4°R48	4♈43	0♈31	4♈57	M 1
T 2	2 42 52	9° 6'30	1♈13	23°D 6	22°37	6°49	19°46	21°41	28°Y47	27°45	21°Y57	4♈37	4°40	0°38	4°59	T 2
W 3	2 46 48	10° 6'45	16°10	23♈11	23°19	7°14	19°53	21°48	28°45	27°46	21°56	4°25	4°37	0°44	5° 0	W 3
T 4	2 50 45	11° 7'02	0♈15	23°27	24° 0	7°39	19°59	21°55	28°42	27°47	21°55	4°14	4°34	0°51	5° 2	T 4
F 5	2 54 41	12° 7'20	15° 8	23°53	24°40	8° 4	20° 5	22° 2	28°40	27°48	21°54	4° 5	4°31	0°58	5° 3	F 5
S 6	2 58 38	13° 7'41	28°57	24°28	25°18	8°28	20°11	22° 9	28°38	27°49	21°53	3°58	4°28	1° 4	5° 5	S 6
S 7	3 2 35	14° 8'03	12♏18	25°11	25°56	8°52	20°17	22°16	28°35	27°50	21°52	3°54	4°24	1°11	5° 6	S 7
M 8	3 6 31	15° 8'27	25°11	26° 1	26°32	9°15	20°22	22°23	28°33	27°51	21°51	3°53	4°21	1°18	5° 7	M 8
T 9	3 10 28	16° 8'54	7♈41	26°58	27° 6	9°38	20°28	22°30	28°30	27°51	21°50	3°D52	4°18	1°24	5° 8	T 9
W10	3 14 24	17° 9'21	19°52	28° 1	27°40	10° 1	20°33	22°37	28°28	27°52	21°49	3°R52	4°15	1°31	5° 9	W10
T 11	3 18 21	18° 9'51	1♏51	29° 8	28°12	10°23	20°38	22°43	28°26	27°53	21°48	3°52	4°12	1°38	5°10	T 11
F 12	3 22 17	19°10'23	13°43	0♈19	28°42	10°45	20°43	22°50	28°24	27°54	21°47	3°49	4° 8	1°45	5°10	F 12
S 13	3 26 14	20°10'56	25°31	1°35	29°11	11° 7	20°48	22°57	28°21	27°54	21°46	3°44	4° 5	1°51	5°11	S 13
S 14	3 30 10	21°11'31	7♈22	2°53	29°38	11°28	20°52	23° 4	28°19	27°55	21°45	3°36	4° 2	1°58	5°11	S 14
M15	3 34 7	22°12'08	19°18	4°13	0♈ 4	11°49	20°57	23°10	28°17	27°55	21°44	3°25	3°59	2° 5	5°12	M15
T 16	3 38 4	23°12'47	1♈23	5°36	0°28	12° 9	21° 1	23°17	28°15	27°56	21°43	3°12	3°56	2°11	5°12	T 16
W17	3 42 0	24°13'27	13°37	7° 1	0°50	12°29	21° 5	23°24	28°13	27°56	21°42	2°59	3°53	2°18	5°12	W17
T 18	3 45 57	25°14'08	26° 1	8°28	1°10	12°49	21° 9	23°30	28°10	27°57	21°41	2°46	3°49	2°25	5°R12	T 18
F 19	3 49 53	26°14'51	8♏36	9°55	1°28	13° 8	21°13	23°37	28° 8	27°57	21°40	2°35	3°46	2°31	5°12	F 19
S 20	3 53 50	27°15'36	21°23	11°24	1°45	13°27	21°16	23°43	28° 6	27°58	21°39	2°26	3°43	2°38	5°12	S 20
S 21	3 57 46	28°16'21	4♏19	12°54	1°59	13°45	21°20	23°50	28° 4	27°58	21°38	2°19	3°40	2°45	5°12	S 21
M22	4 1 43	29°17'08	17°27	14°24	2°11	14° 3	21°23	23°56	28° 2	27°58	21°37	2°16	3°37	2°52	5°11	M22
T 23	4 5 39	0♏17'56	0♈46	15°55	2°21	14°20	21°26	24° 3	28° 0	27°59	21°37	2°D15	3°34	2°58	5°11	T 23
W24	4 9 36	1°18'45	14°18	17°26	2°28	14°37	21°29	24° 9	27°58	27°59	21°36	2°15	3°30	3° 5	5°10	W24
T 25	4 13 33	2°19'34	28° 4	18°58	2°34	14°53	21°31	24°15	27°56	27°59	21°35	2°R16	3°27	3°12	5°10	T 25
F 26	4 17 29	3°20'25	12♈ 4	20°30	2°37	15° 9	21°34	24°21	27°54	27°59	21°34	2°16	3°24	3°18	5° 9	F 26
S 27	4 21 26	4°21'16	26°18	22° 3	2°R37	15°24	21°36	24°28	27°53	27°59	21°33	2°13	3°21	3°25	5° 8	S 27
S 28	4 25 22	5°22'08	10♏45	23°35	2°35	15°39	21°38	24°34	27°51	27°59	21°33	2° 9	3°18	3°32	5° 7	S 28
M29	4 29 19	6°23'01	25°20	25° 8	2°31	15°53	21°40	24°40	27°49	28° 0	21°32	2° 2	3°14	3°38	5° 6	M29
T 30	4 33 15	7♏23'55	9♈58	26♈41	2♏24	16♈ 7	21♈42	24♈46	27°Y47	28♈ 0	21°Y31	1♈54	3♈11	3♈45	5♈ 5	T 30

Day	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14s14	10n44	4n45	7s33	1n36	27s45	4s31	20n16	1n36	15n37	0n42	6s18	2n17	10n34	0s33	12n49	0n34	7s33	17s22	19s 6	19s 8	4s 7	12n15	7s 2
T 2	14 34	16 36	5 0	7 20	1 47	27 48	4 31	20 11	1 38	15 35	0 42	6 21	2 17	10 33	0 33	12 49	0 34	7 33	17 22	19 9	19 8	4 10	12 14	7 2
W 3	14 53	21 24	4 54	7 13	1 57	27 50	4 31	20 6	1 39	15 34	0 43	6 24	2 17	10 32	0 33	12 49	0 34	7 33	17 22	19 12	19 9	4 13	12 12	7 3
T 4	15 12	24 45	4 29	7 12	2 4	27 51	4 30	20 2	1 41	15 32	0 43	6 26	2 17	10 32	0 33	12 48	0 34	7 34	17 22	19 15	19 10	4 16	12 11	7 4
F 5	15 30	26 26	3 47	7 16	2 10	27 52	4 29	19 57	1 43	15 30	0 43	6 29	2 17	10 31	0 33	12 48	0 34	7 34	17 21	19 17	19 11	4 19	12 10	7 4
S 6	15 49	26 23	2 53	7 25	2 14	27 53	4 28	19 52	1 45	15 28	0 43	6 31	2 17	10 30	0 33	12 48	0 34	7 34	17 21	19 18	19 11	4 22	12 9	7 5
S 7	16 7	24 46	1 52	7 38	2 17	27 53	4 27	19 48	1 46	15 27	0 44	6 34	2 17	10 29	0 33	12 47	0 34	7 34	17 21	19 19	19 12	4 25	12 8	7 6
M 8	16 25	21 54	0 46	7 55	2 19	27 52	4 25	19 43	1 48	15 25	0 44	6 36	2 18	10 28	0 33	12 47	0 34	7 35	17 21	19 20	19 13	4 28	12 7	7 7
T 9	16 42	18 4	0s20	8 15	2 19	27 51	4 23	19 38	1 50	15 24	0 44	6 39	2 18	10 27	0 33	12 47	0 34	7 35	17 21	19 20	19 14	4 32	12 7	7 7
W10	17 0	13 34	1 24	8 38	2 19	27 49	4 21	19 34	1 52	15 22	0 44	6 41	2 18	10 27	0 33	12 47	0 34	7 35	17 21	19 20	19 14	4 35	12 6	7 8
T 11	17 17	8 37	2 23	9 3	2 17	27 47	4 19	19 30	1 53	15 21	0 44	6 43	2 18	10 26	0 33	12 47	0 34	7 35	17 20	19 20	19 15	4 38	12 5	7 9
F 12	17 33	3 26	3 14	9 30	2 15	27 45	4 16	19 25	1 55	15 19	0 45	6 46	2 18	10 25	0 33	12 46	0 35	7 36	17 20	19 20	19 16	4 41	12 4	7 10
S 13	17 50	1s51	3 58	9 59	2 12	27 42	4 13	19 21	1 57	15 18	0 45	6 48	2 18	10 24	0 33	12 46	0 35	7 36	17 20	19 22	19 17	4 44	12 3	7 10
S 14	18 6	7 4	4 31	10 30	2 8	27 38	4 9	19 17	1 59	15 17	0 45	6 51	2 18	10 23	0 33	12 46	0 35	7 36	17 20	19 24	19 17	4 47	12 2	7 11
M15	18 22	12 5	4 52	11 1	2 4	27 35	4 5	19 13	2 1	15 16	0 45	6 53	2 18	10 23	0 33	12 46	0 35	7 36	17 20	19 26	19 18	4 50	12 1	7 12
T 16	18 37	16 41	5 1	11 33	1 59	27 30	4 1	19 9	2 3	15 15	0 46	6 55	2 18	10 22	0 33	12 46	0 35	7 36	17 20	19 29	19 19	4 53	12 1	7 12
W17	18 52	20 40	4 56	12 6	1 53	27 25	3 56	19 5	2 5	15 13	0 46	6 58	2 18	10 21	0 33	12 46	0 35	7 36	17 19	19 32	19 20	4 56	12 0	7 13
T 18	19 7	23 47	4 37	12 39	1 48	27 20	3 51	19 2	2 7	15 12	0 46	7 0	2 19	10 20	0 33	12 45	0 35	7 37	17 19	19 35	19 20	4 59	11 59	7 14
F 19	19 21	25 49	4 5	13 12	1 42	27 14	3 45	18 58	2 9	15 11	0 46	7 2	2 19	10 20	0 33	12 45	0 35	7 37	17 19	19 38	19 21	5 3	11 59	7 15
S 20	19 35	26 32	3 19	13 46	1 36	27 8	3 39	18 54	2 11	15 11	0 46	7 5	2 19	10 19	0 33	12 45	0 35	7 37	17 19	19 40	19 22	5 6	11 58	7 15
S 21	19 49	25 48	2 23	14 19	1 29	27 1	3 33	18 51	2 13	15 10	0 47	7 7	2 19	10 18	0 33	12 45	0 35	7 37	17 18	19 41	19 23	5 9	11 57	7 16
M22	20 3	23 38	1 18	14 52	1 23	26 54	3 26	18 48	2 15	15 9	0 47	7 9	2 19	10 18	0 33	12 45	0 35	7 37	17 18	19 42	19 23	5 12	11 57	7 17
T 23	20 16	20 9	0 8	15 25	1 16	26 47	3 18	18 45	2 17	15 8	0 47	7 11	2 19	10 17	0 33	12 45	0 35	7 37	17 18	19 42	19 24	5 15	11 56	7 17
W24	20 28	15 33	1n 4	15 58	1 9	26 39	3 11	18 42	2 19	15 7	0 47	7 14	2 19	10 16	0 33	12 45	0 35	7 37	17 18	19 42	19 25	5 18	11 56	7 18
T 25	20 40	10 5	2 13	16 30	1 2	26 30	3 2	18 39	2 21	15 7	0 48	7 16	2 19	10 16	0 33	12 45	0 35	7 37	17 18	19 42	19 26	5 21	11 55	7 19
F 26	20 52	4 2	3 16	17 2	0 55	26 21	2 53	18 36	2 23	15 6	0 48	7 18	2 20	10 15	0 32	12 45	0 35	7 37	17 17	19 42	19 26	5 24	11 55	7 19
S 27	21 4	2n19	4 8	17 32	0 48	26 12	2 44	18 34	2 25	15 6	0 48	7 20	2 20	10 14	0 32	12 45	0 35	7 37	17 17	19 42	19 27	5 27	11 54	7 20
S 28	21 15	8 37	4 44	18 3	0 41	26 2	2 34	18 31	2 27	15 5	0 48	7 22	2 20	10 14	0 32	12 45	0 35	7 37	17 17	19 43	19 28	5 30	11 54	7 21
M29	21 25	14 31	5 3	18 32	0 34	25 52	2 24	18 29	2 29	15 5	0 49	7 24	2 20	10 13	0 32	12 45	0 35	7 37	17 16	19 45	19 29	5 33	11 53	7 21
T 30	21s36	19n37	5n 2	19s 1	0n27	25s41	2s13	18n27	2n32	15n 5	0n49	7s26	2n20	10n12	0s32	12n45	0n35	7s37	17s16	19s47	19s29	5s36	11n53	7s22

ASTRODIENST EPHEMERIS for the year 1599
geocentric

DECEMBER 1599 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 37 12	8°24'50	24°33	28°14	2°R15	16°20	21°43	24°52	27°R46	28°R 0	21°R30	1°R45	3° 8	3°52	5°R 3	W 1
T 2	4 41 8	9°25'45	8°156	29°47	2°3	16°32	21°45	24°58	27°Y44	28°R 0	21°Y30	1°36	3° 5	3°59	5°R 2	T 2
F 3	4 45 5	10°26'42	23° 1	1°20	1°48	16°44	21°46	25° 3	27°42	27°59	21°29	1°29	3° 2	4° 5	5° 0	F 3
S 4	4 49 2	11°27'40	6°44	2°53	1°31	16°56	21°47	25° 9	27°41	27°59	21°28	1°24	2°59	4°12	4°59	S 4
S 5	4 52 58	12°28'39	20° 3	4°27	1°12	17° 6	21°47	25°15	27°39	27°59	21°28	1°21	2°55	4°19	4°57	S 5
M 6	4 56 55	13°29'38	2°58	6° 0	0°51	17°17	21°48	25°21	27°38	27°59	21°27	1°D21	2°52	4°25	4°55	M 6
T 7	5 0 51	14°30'39	15°32	7°34	0°27	17°26	21°48	25°26	27°36	27°59	21°26	1°21	2°49	4°32	4°53	T 7
W 8	5 4 48	15°31'41	27°47	9° 7	0° 1	17°35	21°R48	25°32	27°35	27°59	21°26	1°23	2°46	4°39	4°51	W 8
T 9	5 8 44	16°32'44	9°49	10°41	29°34	17°43	21°48	25°37	27°33	27°58	21°25	1°24	2°43	4°46	4°49	T 9
F 10	5 12 41	17°33'47	21°43	12°15	29° 4	17°51	21°48	25°43	27°32	27°58	21°24	1°R24	2°40	4°52	4°47	F 10
S 11	5 16 37	18°34'52	3°33	13°48	28°33	17°58	21°48	25°48	27°31	27°58	21°24	1°23	2°36	4°59	4°45	S 11
S 12	5 20 34	19°35'57	15°26	15°22	28° 1	18° 4	21°47	25°53	27°29	27°57	21°23	1°19	2°33	5° 6	4°42	S 12
M13	5 24 31	20°37'04	27°25	16°57	27°27	18°10	21°46	25°59	27°28	27°57	21°23	1°14	2°30	5°12	4°40	M13
T 14	5 28 27	21°38'11	9°33	18°31	26°52	18°14	21°45	26° 4	27°27	27°57	21°22	1° 8	2°27	5°19	4°37	T 14
W15	5 32 24	22°39'19	21°55	20° 5	26°16	18°18	21°44	26° 9	27°26	27°56	21°22	1° 0	2°24	5°26	4°35	W15
T 16	5 36 20	23°40'28	4°32	21°40	25°40	18°22	21°43	26°14	27°25	27°56	21°21	0°53	2°20	5°32	4°32	T 16
F 17	5 40 17	24°41'37	17°23	23°15	25° 4	18°24	21°41	26°19	27°24	27°55	21°21	0°47	2°17	5°39	4°29	F 17
S 18	5 44 13	25°42'47	0°30	24°50	24°27	18°26	21°39	26°24	27°23	27°55	21°21	0°42	2°14	5°46	4°26	S 18
S 19	5 48 10	26°43'57	13°50	26°25	23°51	18°27	21°37	26°28	27°22	27°54	21°20	0°39	2°11	5°53	4°23	S 19
M20	5 52 7	27°45'08	27°23	28° 0	23°15	18°R28	21°35	26°33	27°21	27°53	21°20	0°D38	2° 8	5°59	4°20	M20
T 21	5 56 3	28°46'18	11°36	29°36	22°40	18°27	21°33	26°38	27°20	27°53	21°19	0°38	2° 5	6° 6	4°17	T 21
W22	6 0 0	29°47'29	24°57	1°12	22° 6	18°26	21°30	26°42	27°19	27°52	21°19	0°39	2° 1	6°13	4°14	W22
T 23	6 3 56	0°38'39	8°56	2°48	21°33	18°24	21°27	26°47	27°19	27°51	21°19	0°41	1°58	6°19	4°11	T 23
F 24	6 7 53	1°49'50	23° 0	4°25	21° 1	18°21	21°24	26°51	27°18	27°50	21°19	0°42	1°55	6°26	4° 7	F 24
S 25	6 11 49	2°51'00	7°Y 9	6° 2	20°31	18°17	21°21	26°55	27°17	27°50	21°18	0°R42	1°52	6°33	4° 4	S 25
S 26	6 15 46	3°52'10	21°21	7°39	20° 3	18°13	21°18	27° 0	27°17	27°49	21°18	0°41	1°49	6°40	4° 0	S 26
M27	6 19 42	4°53'20	5°34	9°16	19°37	18° 8	21°14	27° 4	27°16	27°48	21°18	0°39	1°46	6°46	3°57	M27
T 28	6 23 39	5°54'30	19°43	10°54	19°12	18° 2	21°11	27° 8	27°16	27°47	21°18	0°36	1°42	6°53	3°53	T 28
W29	6 27 36	6°55'39	3°14	12°32	18°50	17°55	21° 7	27°12	27°15	27°46	21°17	0°32	1°39	7° 0	3°49	W29
T 30	6 31 32	7°56'48	17°42	14°10	18°30	17°47	21° 3	27°16	27°15	27°45	21°17	0°29	1°36	7° 6	3°46	T 30
F 31	6 35 29	8°57'58	1°22	15°34	18°13	17°43	20°58	27°19	27°15	27°44	21°17	0°26	1°33	7°13	3°42	F 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
W 1	21s45	23n30	4n42	19s29	0n20	25s30	2s 1	18n25	2n34	15n 4	0n49	7s28	2n20	10n12	0s32	12n45
T 2	21 55	25 51	4 3	19 56	0 13	25 18	1 49	18 24	2 36	15 4	0 49	7 30	2 21	10 11	0 32	12 45
F 3	22 4	26 29	3 11	20 23	0 6	25 6	1 37	18 22	2 38	15 4	0 50	7 32	2 21	10 11	0 32	12 45
S 4	22 12	25 28	2 8	20 48	0s 1	24 53	1 24	18 21	2 40	15 4	0 50	7 34	2 21	10 10	0 32	12 45
S 5	22 21	22 59	1 0	21 12	0 8	24 40	1 11	18 20	2 43	15 4	0 50	7 36	2 21	10 10	0 32	12 45
M 6	22 28	19 24	0s 9	21 36	0 15	24 26	0 57	18 19	2 45	15 4	0 50	7 38	2 21	10 9	0 32	12 45
T 7	22 35	15 0	1 16	21 58	0 21	24 12	0 43	18 18	2 47	15 4	0 51	7 40	2 21	10 9	0 32	12 45
W 8	22 42	10 7	2 18	22 20	0 28	23 58	0 28	18 17	2 50	15 4	0 51	7 42	2 22	10 8	0 32	12 45
T 9	22 49	4 56	3 13	22 40	0 34	23 43	0 14	18 17	2 52	15 5	0 51	7 44	2 22	10 8	0 32	12 45
F 10	22 55	0s22	3 59	22 59	0 41	23 28	0n 2	18 17	2 54	15 5	0 51	7 45	2 22	10 7	0 32	12 46
S 11	23 0	5 36	4 34	23 17	0 47	23 12	0 17	18 17	2 57	15 5	0 52	7 47	2 22	10 7	0 32	12 46
S 12	23 5	10 40	4 58	23 34	0 53	22 56	0 32	18 17	2 59	15 6	0 52	7 49	2 22	10 6	0 32	12 46
M13	23 10	15 22	5 9	23 50	0 59	22 40	0 48	18 18	3 2	15 6	0 52	7 51	2 22	10 6	0 32	12 46
T 14	23 14	19 32	5 6	24 4	1 5	22 24	1 4	18 19	3 4	15 7	0 52	7 52	2 23	10 5	0 32	12 46
W15	23 17	22 56	4 49	24 17	1 10	22 7	1 19	18 20	3 7	15 7	0 53	7 54	2 23	10 5	0 32	12 46
T 16	23 20	25 19	4 34	24 29	1 15	21 50	1 35	18 21	3 9	15 8	0 53	7 56	2 23	10 5	0 32	12 47
F 17	23 23	26 26	3 34	24 40	1 21	21 34	1 50	18 23	3 12	15 9	0 53	7 57	2 23	10 4	0 32	12 47
S 18	23 25	26 6	2 37	24 49	1 26	21 17	2 6	18 25	3 14	15 10	0 53	7 59	2 23	10 4	0 32	12 47
S 19	23 27	24 16	1 30	24 57	1 30	21 1	2 21	18 27	3 17	15 11	0 54	8 0	2 24	10 4	0 32	12 47
M20	23 28	21 1	0 18	25 4	1 35	20 44	2 35	18 29	3 19	15 12	0 54	8 2	2 24	10 3	0 32	12 48
T 21	23 29	16 34	0n57	25 9	1 39	20 28	2 49	18 31	3 22	15 13	0 54	8 3	2 24	10 3	0 32	12 48
W22	23 30	11 12	2 9	25 12	1 43	20 13	3 3	18 34	3 24	15 14	0 54	8 5	2 24	10 3	0 32	12 48
T 23	23 29	5 14	3 14	25 15	1 47	19 57	3 16	18 37	3 27	15 15	0 55	8 6	2 24	10 3	0 32	12 48
F 24	23 29	1n 1	4 8	25 16	1 51	19 43	3 29	18 40	3 29	15 16	0 55	8 7	2 25	10 3	0 32	12 49
S 25	23 28	7 15	4 48	25 15	1 54	19 28	3 41	18 44	3 32	15 17	0 55	8 9	2 25	10 2	0 32	12 49
S 26	23 26	13 7	5 9	25 13	1 57	19 15	3 53	18 48	3 34	15 18	0 55	8 10	2 25	10 2	0 32	12 49
M27	23 24	18 18	5 12	25 9	1 59	19 2	4 4	18 52	3 37	15 20	0 56	8 11	2 25	10 2	0 32	12 50
T 28	23 22	22 27	4 56	25 4	2 2	18 50	4 14	18 56	3 39	15 21	0 56	8 13	2 26	10 2	0 32	12 50
W29	23 19	25 15	4 23	24 57	2 4	18 38	4 24	19 0	3 42	15 23	0 56	8 14	2 26	10 2	0 32	12 50
T 30	23 15	26 28	3 34	24 49	2 5	18 28	4 33	19 5	3 44	15 24	0 56	8 15	2 26	10 2	0 31	12 51
F 31	23s11	26n 2	2n33	24s39	2s 6	18s18	4n41	19n10	3n46	15n26	0n57	8s16	2n26	10n 2	0s31	12n51

Julian Day Number = 2305416.5, Delta T = 88.92 sec
Ecliptic obliquity = 23°29'33", Nutation = 0°00'13", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 19°09'24", Lahiri = 18°16'24"Greg. Calendar