



Astrodienst Ephemeris Tables for the year 2060

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 2060
geocentric

JANUARY 2060

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	6 41 42	10 ³ 18'09	7 ² 14	11 ³ 8	17 ² 18	1 ² 42	21 ⁰ R10	27 ⁰ R 9	7 ² 29	16 ⁰ R34	19 ⁰ 53	16 ⁰ R10	14 ⁰ 35	4 ² 49	21 ² 35	T 1
F 2	6 45 39	11 ⁰ 19'19	20 ⁰ 14	12 ⁰ 45	18 ⁰ 31	2 ⁰ 29	21 ⁰ 8	27 ⁰ 6	7 ⁰ 31	16 ⁰ 32	19 ⁰ 53	16 ⁰ 5	14 ⁰ 32	4 ⁰ 55	21 ⁰ 38	F 2
S 3	6 49 35	12 ⁰ 20'30	3 ² 34	14 ⁰ 22	19 ⁰ 44	3 ⁰ 17	21 ⁰ 4	27 ⁰ 4	7 ⁰ 33	16 ⁰ 30	19 ⁰ 54	15 ⁰ 58	14 ⁰ 29	5 ⁰ 2	21 ⁰ 42	S 3
S 4	6 53 32	13 ⁰ 21'41	17 ⁰ 16	15 ⁰ 59	20 ⁰ 57	4 ⁰ 4	21 ⁰ 2	27 ⁰ 1	7 ⁰ 35	16 ⁰ 29	19 ⁰ 55	15 ⁰ 49	14 ⁰ 26	5 ⁰ 9	21 ⁰ 45	S 4
M 5	6 57 29	14 ⁰ 22'52	1 ² 14	17 ⁰ 37	22 ⁰ 10	4 ⁰ 51	21 ⁰ 0	26 ⁰ 59	7 ⁰ 37	16 ⁰ 28	19 ⁰ 56	15 ⁰ 39	14 ⁰ 23	5 ⁰ 15	21 ⁰ 49	M 5
T 6	7 1 25	15 ⁰ 24'02	15 ⁰ 24	19 ⁰ 15	23 ⁰ 23	5 ⁰ 38	20 ⁰ 58	26 ⁰ 56	7 ⁰ 39	16 ⁰ 26	19 ⁰ 56	15 ⁰ 29	14 ⁰ 19	5 ⁰ 22	21 ⁰ 53	T 6
W 7	7 5 22	16 ⁰ 25'13	29 ⁰ 41	20 ⁰ 53	24 ⁰ 35	6 ⁰ 25	20 ⁰ 56	26 ⁰ 54	7 ⁰ 41	16 ⁰ 25	19 ⁰ 57	15 ⁰ 20	14 ⁰ 16	5 ⁰ 29	21 ⁰ 56	W 7
T 8	7 9 18	17 ⁰ 26'23	14 ⁰ 0	22 ⁰ 32	25 ⁰ 48	7 ⁰ 12	20 ⁰ 54	26 ⁰ 52	7 ⁰ 43	16 ⁰ 23	19 ⁰ 58	15 ⁰ 13	14 ⁰ 13	5 ⁰ 36	22 ⁰ 0	T 8
F 9	7 13 15	18 ⁰ 27'32	28 ⁰ 17	24 ⁰ 11	27 ⁰ 0	8 ⁰ 0	20 ⁰ 53	26 ⁰ 50	7 ⁰ 45	16 ⁰ 22	19 ⁰ 59	15 ⁰ 9	14 ⁰ 10	5 ⁰ 42	22 ⁰ 4	F 9
S 10	7 17 11	19 ⁰ 28'41	12 ⁰ 28	25 ⁰ 50	28 ⁰ 13	8 ⁰ 47	20 ⁰ 52	26 ⁰ 48	7 ⁰ 46	16 ⁰ 20	20 ⁰ 0	15 ⁰ 7	14 ⁰ 7	5 ⁰ 49	22 ⁰ 8	S 10
S 11	7 21 8	20 ⁰ 29'50	26 ⁰ 32	27 ⁰ 30	29 ⁰ 25	9 ⁰ 34	20 ⁰ 51	26 ⁰ 46	7 ⁰ 48	16 ⁰ 19	20 ⁰ 1	15 ⁰ D 7	14 ⁰ 3	5 ⁰ 56	22 ⁰ 12	S 11
M12	7 25 4	21 ⁰ 30'58	10 ⁰ 28	29 ⁰ 10	0 ⁰ 37	10 ⁰ 21	20 ⁰ 50	26 ⁰ 44	7 ⁰ 50	16 ⁰ 18	20 ⁰ 2	15 ⁰ R 7	14 ⁰ 0	6 ⁰ 2	22 ⁰ 15	M12
T 13	7 29 1	22 ⁰ 32'05	24 ⁰ 16	0 ⁰ 50	1 ⁰ 49	11 ⁰ 9	20 ⁰ 50	26 ⁰ 42	7 ⁰ 51	16 ⁰ 16	20 ⁰ 3	15 ⁰ 7	13 ⁰ 57	6 ⁰ 9	22 ⁰ 19	T 13
W14	7 32 58	23 ⁰ 33'12	7 ² 56	2 ⁰ 31	3 ⁰ 1	11 ⁰ 56	20 ⁰ 49	26 ⁰ 41	7 ⁰ 53	16 ⁰ 15	20 ⁰ 3	15 ⁰ 5	13 ⁰ 54	6 ⁰ 16	22 ⁰ 23	W14
T 15	7 36 54	24 ⁰ 34'19	21 ⁰ 28	4 ⁰ 11	4 ⁰ 13	12 ⁰ 43	20 ⁰ D49	26 ⁰ 39	7 ⁰ 55	16 ⁰ 14	20 ⁰ 4	15 ⁰ 0	13 ⁰ 51	6 ⁰ 22	22 ⁰ 27	T 15
F 16	7 40 51	25 ⁰ 35'25	4 ² 50	5 ⁰ 52	5 ⁰ 25	13 ⁰ 31	20 ⁰ 49	26 ⁰ 38	7 ⁰ 56	16 ⁰ 13	20 ⁰ 5	14 ⁰ 52	13 ⁰ 48	6 ⁰ 29	22 ⁰ 31	F 16
S 17	7 44 47	26 ⁰ 36'30	18 ⁰ 0	7 ⁰ 33	6 ⁰ 37	14 ⁰ 18	20 ⁰ 50	26 ⁰ 36	7 ⁰ 58	16 ⁰ 12	20 ⁰ 6	14 ⁰ 42	13 ⁰ 44	6 ⁰ 36	22 ⁰ 35	S 17
S 18	7 48 44	27 ⁰ 37'35	0 ⁰ 58	9 ⁰ 13	7 ⁰ 49	15 ⁰ 5	20 ⁰ 50	26 ⁰ 35	7 ⁰ 59	16 ⁰ 10	20 ⁰ 8	14 ⁰ 29	13 ⁰ 41	6 ⁰ 42	22 ⁰ 39	S 18
M19	7 52 40	28 ⁰ 38'39	13 ⁰ 42	10 ⁰ 53	9 ⁰ 1	15 ⁰ 53	20 ⁰ 51	26 ⁰ 34	8 ⁰ 0	16 ⁰ 9	20 ⁰ 9	14 ⁰ 16	13 ⁰ 38	6 ⁰ 49	22 ⁰ 43	M19
T 20	7 56 37	29 ⁰ 39'43	26 ⁰ 12	12 ⁰ 33	10 ⁰ 12	16 ⁰ 40	20 ⁰ 52	26 ⁰ 33	8 ⁰ 1	16 ⁰ 8	20 ⁰ 10	14 ⁰ 3	13 ⁰ 35	6 ⁰ 56	22 ⁰ 47	T 20
W21	8 0 34	0 ⁰ 40'46	8 ² 27	14 ⁰ 13	11 ⁰ 24	17 ⁰ 27	20 ⁰ 53	26 ⁰ 33	8 ⁰ 3	16 ⁰ 7	20 ⁰ 11	13 ⁰ 51	13 ⁰ 32	7 ⁰ 2	22 ⁰ 51	W21
T 22	8 4 30	1 ⁰ 41'49	20 ⁰ 31	15 ⁰ 51	12 ⁰ 35	18 ⁰ 15	20 ⁰ 54	26 ⁰ 32	8 ⁰ 4	16 ⁰ 6	20 ⁰ 12	13 ⁰ 42	13 ⁰ 29	7 ⁰ 9	22 ⁰ 55	T 22
F 23	8 8 27	2 ⁰ 42'51	2 ² 25	17 ⁰ 29	13 ⁰ 46	19 ⁰ 2	20 ⁰ 56	26 ⁰ 31	8 ⁰ 5	16 ⁰ 5	20 ⁰ 13	13 ⁰ 35	13 ⁰ 25	7 ⁰ 16	22 ⁰ 59	F 23
S 24	8 12 23	3 ⁰ 43'53	14 ⁰ 14	19 ⁰ 5	14 ⁰ 57	19 ⁰ 50	20 ⁰ 57	26 ⁰ 31	8 ⁰ 6	16 ⁰ 4	20 ⁰ 14	13 ⁰ 32	13 ⁰ 22	7 ⁰ 22	23 ⁰ 4	S 24
S 25	8 16 20	4 ⁰ 44'54	26 ⁰ 3	20 ⁰ 39	16 ⁰ 8	20 ⁰ 37	20 ⁰ 59	26 ⁰ 30	8 ⁰ 7	16 ⁰ 3	20 ⁰ 15	13 ⁰ 30	13 ⁰ 19	7 ⁰ 29	23 ⁰ 8	S 25
M26	8 20 16	5 ⁰ 45'55	7 ² 56	22 ⁰ 12	17 ⁰ 19	21 ⁰ 25	21 ⁰ 1	26 ⁰ 30	8 ⁰ 8	16 ⁰ 2	20 ⁰ 16	13 ⁰ 30	13 ⁰ 16	7 ⁰ 36	23 ⁰ 12	M26
T 27	8 24 13	6 ⁰ 46'56	19 ⁰ 59	23 ⁰ 41	18 ⁰ 30	22 ⁰ 12	21 ⁰ 4	26 ⁰ 30	8 ⁰ 9	16 ⁰ 1	20 ⁰ 18	13 ⁰ 30	13 ⁰ 13	7 ⁰ 42	23 ⁰ 16	T 27
W28	8 28 9	7 ⁰ 47'55	2 ² 19	25 ⁰ 8	19 ⁰ 41	22 ⁰ 59	21 ⁰ 6	26 ⁰ D30	8 ⁰ 10	16 ⁰ 0	20 ⁰ 19	13 ⁰ 29	13 ⁰ 9	7 ⁰ 49	23 ⁰ 20	W28
T 29	8 32 6	8 ⁰ 48'55	14 ⁰ 59	26 ⁰ 31	20 ⁰ 51	23 ⁰ 47	21 ⁰ 9	26 ⁰ 30	8 ⁰ 10	15 ⁰ 59	20 ⁰ 20	13 ⁰ 26	13 ⁰ 6	7 ⁰ 56	23 ⁰ 25	T 29
F 30	8 36 3	9 ⁰ 49'53	28 ⁰ 3	27 ⁰ 50	22 ⁰ 2	24 ⁰ 34	21 ⁰ 12	26 ⁰ 30	8 ⁰ 11	15 ⁰ 58	20 ⁰ 21	13 ⁰ 20	13 ⁰ 3	8 ⁰ 2	23 ⁰ 29	F 30
S 31	8 39 59	10 ⁰ 50'51	11 ² 34	29 ⁰ 4	23 ⁰ 12	25 ⁰ 22	21 ⁰ 15	26 ⁰ 31	8 ⁰ 12	15 ⁰ 57	20 ⁰ 23	13 ⁰ 11	13 ⁰ 0	8 ⁰ 9	23 ⁰ 33	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 2	23s20	1s50	24s45	1s48	17s25	1s51	20s53	1s 8	17n 5	1s 0	17n25	2s 9	13s33	0n29	21n16	1s30	17s37	14s50	16n40	16n13	1n 7	8s33	6n 4
F 2	22 57	25 56	2 52	24 40	1 51	17 1	1 50	20 42	1 8	17 4	1 0	17 25	2 9	13 34	0 29	21 16	1 30	17 36	14 50	16 39	16 12	1 4	8 33	6 4
S 3	22 52	27 8	3 45	24 33	1 54	16 37	1 49	20 31	1 8	17 4	0 59	17 25	2 9	13 34	0 29	21 16	1 30	17 36	14 50	16 37	16 11	1 0	8 32	6 3
S 4	22 46	26 44	4 28	24 25	1 57	16 13	1 48	20 20	1 8	17 4	0 59	17 24	2 8	13 35	0 29	21 16	1 29	17 35	14 50	16 34	16 10	0 57	8 31	6 3
M 5	22 39	24 40	4 55	24 15	2 0	15 48	1 47	20 9	1 8	17 3	0 59	17 24	2 8	13 36	0 29	21 16	1 29	17 35	14 49	16 31	16 9	0 54	8 30	6 3
T 6	22 33	21 3	5 4	24 4	2 2	15 23	1 46	19 57	1 8	17 3	0 59	17 24	2 8	13 36	0 29	21 16	1 29	17 34	14 49	16 28	16 8	0 51	8 29	6 3
W 7	22 25	16 10	4 55	23 51	2 4	14 58	1 44	19 45	1 8	17 3	0 58	17 23	2 8	13 37	0 29	21 15	1 29	17 33	14 49	16 26	16 7	0 47	8 28	6 2
T 8	22 18	10 24	4 27	23 37	2 5	14 32	1 43	19 33	1 8	17 3	0 58	17 23	2 7	13 37	0 29	21 15	1 29	17 33	14 48	16 24	16 6	0 44	8 27	6 2
F 9	22 10	4 5	3 42	23 21	2 6	14 6	1 41	19 21	1 8	17 3	0 58	17 23	2 7	13 38	0 29	21 15	1 29	17 32	14 48	16 22	16 5	0 41	8 26	6 2
S 10	22 1	2n24	2 45	23 3	2 7	13 39	1 40	19 9	1 8	17 3	0 58	17 23	2 7	13 39	0 29	21 15	1 29	17 32	14 48	16 22	16 4	0 37	8 25	6 2
S 11	21 52	8 43	1 37	22 44	2 7	13 12	1 38	18 56	1 7	17 3	0 57	17 22	2 7	13 39	0 29	21 15	1 29	17 31	14 48	16 22	16 3	0 34	8 24	6 1
M12	21 43	14 34	0 25	22 24	2 7	12 45	1 36	18 43	1 7	17 3	0 57	17 22	2 6	13 40	0 29	21 15	1 29	17 30	14 47	16 22	16 2	0 31	8 23	6 1
T 13	21 33	19 37	0n48	22 1	2 7	12 17	1 34	18 30	1 7	17 3	0 57	17 22	2 6	13 40	0 29	21 15	1 29	17 30	14 47	16 22	16 1	0 28	8 22	6 1
W14	21 23	23 34	1 58	21 38	2 5	11 49	1 32	18 17	1 7	17 3	0 56	17 22	2 6	13 41	0 29	21 15	1 29	17 29	14 47	16 21	16 0	0 24	8 21	6 1
T 15	21 12	26 9	3 0	21 13	2 4	11 21	1 30	18 3	1 7	17 3	0 56	17 22	2 6	13 41	0 29	21 15	1 29	17 28	14 47	16 20	15 59	0 21	8 20	6 1
F 16	21 1	27 12	3 51	20 46	2 2	10 53	1 27	17 50	1 7	17 3	0 56	17 22	2 5	13 42	0 29	21 15	1 29	17 28	14 46	16 18	15 58	0 18	8 19	6 0
S 17	20 50	26 40	4 29	20 18	1 59	10 24	1 25	17 36	1 7	17 4	0 56	17 22	2 5	13 42	0 29	21 14	1 29	17 27	14 46	16 15	15 58	0 15	8 18	6 0
S 18	20 38	24 42	4 53	19 48	1 56	9 55	1 23	17 22	1 6	17 4	0 55	17 22	2 5	13 42	0 29	21 14	1 29	17 27	14 46	16 11	15 57	0 11	8 17	6 0
M19	20 26	21 30	5 1	19 17	1 52	9 26	1 20	17 8	1 6	17 5	0 55	17 22	2 4	13 43	0 29	21 14	1 29	17 26	14 46	16 7	15 56	0 8	8 16	6 0
T 20	20 13	17 23	4 54	18 45	1 47	8 56	1 18	16 53	1 6	17 5	0 55	17 22	2 4	13 43	0 29	21 14	1 29	17 25	14 45	16 3	15 55	0 5	8 15	6 0
W21	20 0	12 38	4 34	18 11	1 42	8 27	1 15	16 39	1 6	17 6	0 54	17 22	2 4	13 44	0 29	21 14	1 29	17 25	14 45	16 0	15 54	0 1	8 14	5 59
T 22	19 47	7 28	4 2	17 36	1 36	7 57	1 12	16 24	1 6	17 6	0 54	17 22	2 4	13 44	0 29	21 14	1 29	17 24	14 45	15 57	15 53	0s 2	8 12	5 59
F 23	19 33	2 5	3 19	17 0	1 29	7 27	1 9	16 9	1 6	17 7	0 54	17 22	2 3	13 44	0 29	21 14	1 29	17 23	14 45	15 55	15 52	0 5	8 11	5 59
S 24	19 19	3s20	2 28	16 23	1 22	6 57	1 6	15 54	1 5	17 8	0 54	17 22	2 3	13 45	0 29	21 14	1 29	17 23	14 44	15 54	15 51	0 8	8 10	5 59
S 25	19 4	8 38	1 31	15 46	1 13	6 26	1 3	15 39	1 5	17 8	0 53	17 23	2 3	13 45	0 29	21 14	1 29	17 22	14 44	15 53	15 50	0 12	8 9	5 59
M26	18 50	13 41	0 29	15 7	1 4	5 56	1 0	15 23	1 5	17 9	0 53	17 23	2 3	13 45	0 29	21 14	1 29	17 21	14 44	15 53	15 49	0 15	8 8	5 59
T 27	18 34	18 17	0s34	14 28	0 54	5 25	0 57	15 8	1 5	17 10	0 53	17 23	2 2	13 45	0 29	21 14	1 29	17 21	14 44	15 53	15 48	0 18	8 7	5 58
W28	18 19	22 13	1 38	13 49	0 44	4 54	0 53	14 52	1 5	17 11	0 52	17 23	2 2	13 46	0 29	21 14	1 29	17 20	14 44	15 53	15 47	0 22	8 5	5 58
T 29	18 3	25 12	2 38	13 10	0 32	4 23	0 50	14 36	1 4	17 12	0 52	17 24	2 2	13 46	0 29	21 14	1 28	17 19	14 43	15 52	15 46	0 25	8 4	5 58
F 30	17 47	26 57	3 32	12 32	0 19	3 52	0 47	14 20	1 4	17 13	0 52	17 24	2 1	13 46	0 29	21 14	1 28	17 19	14 43	15 50	15 45	0 28	8 3	5 58
S 31	17s30	27s11	4s16	11s53	0s 6	3s21	0s43	14s 4	1s 4	17n14	0s52	17n24	2s 1	13s46	0n29	21n14	1s28	17s18	14s43	15n48	15n44	0s31	8s 2	5n58

ASTRODIENST EPHEMERIS for the year 2060

geocentric

FEBRUARY 2060

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 43 56	11°51'49"	25°31'	0°12'	24°22'	26°09'	21°18'	26°31'	8°12'	15°R56	20°24'	13°R 0	12°57'	8°16'	23°37'	S 1
M 2	8 47 52	12°52'45"	9°51'	1°14'	25°32'	26°57'	21°22'	26°32'	8°13'	15°II56	20°25'	12°48'	12°54'	8°22'	23°41'	M 2
T 3	8 51 49	13°53'40"	24°28'	2° 8'	26°42'	27°44'	21°25'	26°32'	8°13'	15°55'	20°26'	12°35'	12°50'	8°29'	23°46'	T 3
W 4	8 55 45	14°54'34"	9°13'	2°54'	27°52'	28°32'	21°29'	26°33'	8°14'	15°54'	20°28'	12°24'	12°47'	8°36'	23°50'	W 4
T 5	8 59 42	15°55'27"	23°59'	3°31'	29° 2'	29°19'	21°33'	26°34'	8°14'	15°53'	20°29'	12°15'	12°44'	8°42'	23°54'	T 5
F 6	9 3 38	16°56'18"	8°Y38	3°59'	0°Y11	0°11'	21°38'	26°35'	8°15'	15°53'	20°30'	12°10'	12°41'	8°49'	23°59'	F 6
S 7	9 7 35	17°57'08"	23° 5'	4°16'	1°20'	0°54'	21°42'	26°36'	8°15'	15°52'	20°32'	12° 7'	12°38'	8°56'	24° 3'	S 7
S 8	9 11 32	18°57'56"	7°17'	4°R23	2°29'	1°42'	21°47'	26°37'	8°15'	15°52'	20°33'	12° 6'	12°34'	9° 2'	24° 7'	S 8
M 9	9 15 28	19°58'43"	21°12'	4°19'	3°38'	2°29'	21°51'	26°39'	8°15'	15°51'	20°34'	12° 6'	12°31'	9° 9'	24°12'	M 9
T 10	9 19 25	20°59'29"	4°II52	4° 4'	4°47'	3°16'	21°56'	26°40'	8°15'	15°51'	20°36'	12° 5'	12°28'	9°16'	24°16'	T 10
W11	9 23 21	22° 0'13"	18°17'	3°38'	5°56'	4° 4'	22° 2'	26°42'	8°R15	15°50'	20°37'	12° 3'	12°25'	9°22'	24°20'	W11
T 12	9 27 18	23° 0'55"	1°28'	3° 2'	7° 4'	4°51'	22° 7'	26°43'	8°15'	15°50'	20°39'	11°58'	12°22'	9°29'	24°24'	T 12
F 13	9 31 14	24° 1'36"	14°28'	2°17'	8°13'	5°39'	22°12'	26°45'	8°15'	15°49'	20°40'	11°50'	12°19'	9°36'	24°29'	F 13
S 14	9 35 11	25° 2'15"	27°17'	1°24'	9°21'	6°26'	22°18'	26°47'	8°15'	15°49'	20°42'	11°39'	12°15'	9°42'	24°33'	S 14
S 15	9 39 7	26° 2'53"	9°25'	0°24'	10°29'	7°13'	22°24'	26°49'	8°15'	15°48'	20°43'	11°27'	12°12'	9°49'	24°37'	S 15
M16	9 43 4	27° 3'29"	22°22'	29°20'	11°36'	8° 1'	22°30'	26°51'	8°15'	15°48'	20°44'	11°13'	12° 9'	9°56'	24°42'	M16
T 17	9 47 1	28° 4'04"	4°19'	28°12'	12°44'	8°48'	22°36'	26°53'	8°15'	15°48'	20°46'	11° 0'	12° 6'	10° 2'	24°46'	T 17
W18	9 50 57	29° 4'37"	16°46'	27° 3'	13°51'	9°36'	22°42'	26°55'	8°14'	15°48'	20°47'	10°48'	12° 3'	10° 9'	24°50'	W18
T 19	9 54 54	0°11'	28°44'	25°55'	14°58'	10°23'	22°49'	26°58'	8°14'	15°47'	20°49'	10°38'	12° 0'	10°16'	24°55'	T 19
F 20	9 58 50	1° 5'39"	10°23'	24°49'	16° 5'	11°10'	22°56'	27° 0'	8°13'	15°47'	20°50'	10°31'	11°56'	10°22'	24°59'	F 20
S 21	10 2 47	2° 6'08"	22°23'	23°46'	17°11'	11°58'	23° 2'	27° 3'	8°13'	15°47'	20°52'	10°27'	11°53'	10°29'	25° 3'	S 21
S 22	10 6 43	3° 6'36"	4°11'	22°49'	18°18'	12°45'	23° 9'	27° 6'	8°12'	15°47'	20°53'	10°25'	11°50'	10°36'	25° 7'	S 22
M23	10 10 40	4° 7'02"	16° 3'	21°57'	19°24'	13°32'	23°17'	27° 9'	8°12'	15°47'	20°55'	10°D25	11°47'	10°42'	25°12'	M23
T 24	10 14 36	5° 7'27"	28° 4'	21°12'	20°30'	14°19'	23°24'	27°11'	8°11'	15°47'	20°56'	10°26'	11°44'	10°49'	25°16'	T 24
W25	10 18 33	6° 7'50"	10°20'	20°34'	21°35'	15° 7'	23°31'	27°14'	8°10'	15°D47	20°58'	10°R26	11°40'	10°56'	25°20'	W25
T 26	10 22 30	7° 8'13"	22°57'	20° 4'	22°40'	15°54'	23°39'	27°18'	8°10'	15°47'	20°59'	10°24'	11°37'	11° 2'	25°24'	T 26
F 27	10 26 26	8° 8'34"	5°35'	19°40'	23°46'	16°41'	23°47'	27°21'	8° 9'	15°47'	21° 1'	10°21'	11°34'	11° 9'	25°29'	F 27
S 28	10 30 23	9° 8'53"	19°28'	19°24'	24°50'	17°28'	23°55'	27°24'	8° 8'	15°47'	21° 2'	10°15'	11°31'	11°16'	25°33'	S 28
S 29	10 34 19	10°11'	3°27'	19°16'	25°Y55	18°15'	24° 3'	27°28'	8°17'	15°II47	21° 4'	10° 7'	11°28'	11°22'	25°37'	S 29

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	17s14	25s43	4s46	11s16	0n 8	2s50	0s39	13s48	1s 4	17n15	0s51	17n25	2s 1	13s47	0n29	21n14
M 2	16 57	22 35	5 0	10 41	0 23	2 19	0 36	13 31	1 3	17 16	0 51	17 25	2 1	13 47	0 29	21 14
T 3	16 39	17 59	4 54	10 7	0 38	1 48	0 32	13 15	1 3	17 18	0 51	17 26	2 0	13 47	0 29	21 14
W 4	16 22	12 15	4 28	9 35	0 55	1 16	0 28	12 58	1 3	17 19	0 51	17 26	2 0	13 47	0 29	21 14
T 5	16 4	5 50	3 45	9 6	1 11	0 45	0 24	12 41	1 3	17 20	0 50	17 26	2 0	13 47	0 29	21 14
F 6	15 45	0n52	2 47	8 41	1 28	0 14	0 20	12 24	1 2	17 22	0 50	17 27	1 59	13 47	0 29	21 14
S 7	15 27	7 27	1 39	8 19	1 45	0n18	0 16	12 7	1 2	17 23	0 50	17 28	1 59	13 47	0 29	21 13
S 8	15 8	13 32	0 25	8 1	2 2	0 49	0 11	11 50	1 2	17 24	0 50	17 28	1 59	13 47	0 30	21 13
M 9	14 49	18 50	0n48	7 47	2 18	1 20	0 7	11 32	1 1	17 26	0 49	17 29	1 59	13 47	0 30	21 13
T 10	14 30	23 1	1 57	7 38	2 34	1 51	0 3	11 15	1 1	17 27	0 49	17 29	1 58	13 47	0 30	21 13
W11	14 10	25 53	2 59	7 33	2 49	2 23	0n 1	10 58	1 1	17 29	0 49	17 30	1 58	13 47	0 30	21 13
T 12	13 51	27 15	3 50	7 33	3 2	2 54	0 6	10 40	1 0	17 31	0 49	17 31	1 58	13 47	0 30	21 13
F 13	13 31	27 5	4 28	7 38	3 14	3 25	0 10	10 22	1 0	17 32	0 48	17 31	1 57	13 47	0 30	21 13
S 14	13 10	25 27	4 51	7 47	3 24	3 56	0 15	10 4	1 0	17 34	0 48	17 32	1 57	13 47	0 30	21 14
S 15	12 50	22 35	5 0	8 1	3 33	4 27	0 20	9 46	0 59	17 36	0 48	17 33	1 57	13 47	0 30	21 14
M16	12 29	18 42	4 55	8 18	3 38	4 58	0 24	9 29	0 59	17 38	0 48	17 33	1 57	13 47	0 30	21 14
T 17	12 9	14 5	4 36	8 37	3 42	5 29	0 29	9 10	0 59	17 39	0 47	17 34	1 56	13 47	0 30	21 14
W18	11 48	8 58	4 4	9 0	3 43	5 59	0 34	8 52	0 58	17 41	0 47	17 35	1 56	13 47	0 30	21 14
T 19	11 26	3 36	3 22	9 24	3 42	6 30	0 39	8 34	0 58	17 43	0 47	17 36	1 56	13 47	0 30	21 14
F 20	11 5	1s52	2 32	9 49	3 39	7 0	0 44	8 16	0 58	17 45	0 47	17 37	1 55	13 47	0 30	21 14
S 21	10 43	7 15	1 34	10 14	3 33	7 30	0 49	7 57	0 57	17 47	0 46	17 37	1 55	13 46	0 30	21 14
S 22	10 22	12 23	0 33	10 40	3 26	8 0	0 54	7 39	0 57	17 49	0 46	17 38	1 55	13 46	0 30	21 14
M23	10 0	17 7	0s30	11 4	3 17	8 30	0 59	7 20	0 56	17 51	0 46	17 39	1 55	13 46	0 30	21 14
T 24	9 38	21 14	1 33	11 28	3 7	8 59	1 4	7 2	0 56	17 53	0 46	17 40	1 54	13 46	0 30	21 14
W25	9 16	24 31	2 33	11 51	2 56	9 29	1 9	6 43	0 56	17 55	0 45	17 41	1 54	13 45	0 30	21 14
T 26	8 53	26 41	3 27	12 12	2 44	9 58	1 14	6 25	0 55	17 57	0 45	17 42	1 54	13 45	0 30	21 14
F 27	8 31	27 30	4 12	12 31	2 31	10 27	1 20	6 6	0 55	17 59	0 45	17 43	1 54	13 45	0 30	21 14
S 28	8 8	26 43	4 45	12 49	2 18	10 56	1 25	5 47	0 54	18 1	0 45	17 44	1 53	13 45	0 30	21 14
S 29	7s46	24s17	5s 3	13s 4	2n 5	11n24	1n30	5s28	0s54	18n 4	0s44	17n45	1s53	13s44	0n30	21n14

Julian Day Number = 2473490.5, Delta T = 77.67 sec
 Ecliptic obliquity = 23°26'00", Nutation = - 0°00'10", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°34'47", Lahiri = 24°41'47"

ASTRODIENST EPHEMERIS for the year 2060

geocentric

MARCH 2060

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 38 16	11° 8' 28"	17° 53'	19° 13'	26° 59'	19° 3'	24° 8'	27° 31'	8° 6'	15° 47'	21° 6'	9° 58'	11° 25'	11° 29'	25° 41'	M 1
T 2	10 42 12	12° 9' 42"	2° 42'	19° 18'	28° 3'	19° 50'	24° 19'	27° 35'	8° 5'	15° 47'	21° 7'	9° 58'	11° 21'	11° 36'	25° 46'	T 2
W 3	10 46 9	13° 9' 55"	17° 45'	19° 29'	29° 7'	20° 37'	24° 28'	27° 38'	8° 4'	15° 48'	21° 9'	9° 40'	11° 18'	11° 42'	25° 50'	W 3
T 4	10 50 5	14° 10' 06"	2° 52'	19° 45'	0° 10'	21° 24'	24° 36'	27° 42'	8° 3'	15° 48'	21° 10'	9° 33'	11° 15'	11° 49'	25° 54'	T 4
F 5	10 54 2	15° 10' 15"	17° 55'	20° 7'	1° 13'	22° 11'	24° 45'	27° 46'	8° 2'	15° 48'	21° 12'	9° 29'	11° 12'	11° 56'	25° 58'	F 5
S 6	10 57 59	16° 10' 23"	2° 43'	20° 34'	2° 16'	22° 58'	24° 54'	27° 50'	8° 0'	15° 48'	21° 13'	9° 27'	11° 9'	12° 2'	26° 2'	S 6
S 7	11 1 55	17° 10' 28"	17° 13'	21° 6'	3° 18'	23° 45'	25° 3'	27° 54'	7° 59'	15° 49'	21° 15'	9° 27'	11° 6'	12° 9'	26° 6'	S 7
M 8	11 5 52	18° 10' 31"	1° 12'	21° 42'	4° 20'	24° 32'	25° 12'	27° 58'	7° 58'	15° 49'	21° 16'	9° 28'	11° 2'	12° 16'	26° 10'	M 8
T 9	11 9 48	19° 10' 32"	15° 4'	22° 22'	5° 21'	25° 19'	25° 21'	28° 3'	7° 57'	15° 50'	21° 18'	9° 29'	10° 59'	12° 22'	26° 14'	T 9
W10	11 13 45	20° 10' 30"	28° 27'	23° 7'	6° 22'	26° 6'	25° 30'	28° 7'	7° 55'	15° 50'	21° 20'	9° 29'	10° 56'	12° 29'	26° 18'	W10
T 11	11 17 41	21° 10' 27"	11° 31'	23° 54'	7° 23'	26° 53'	25° 40'	28° 12'	7° 54'	15° 51'	21° 21'	9° 26'	10° 53'	12° 36'	26° 22'	T 11
F 12	11 21 38	22° 10' 21"	24° 19'	24° 46'	8° 23'	27° 39'	25° 49'	28° 16'	7° 52'	15° 51'	21° 23'	9° 22'	10° 50'	12° 42'	26° 26'	F 12
S 13	11 25 34	23° 10' 13"	6° 53'	25° 40'	9° 23'	28° 26'	25° 59'	28° 21'	7° 51'	15° 52'	21° 24'	9° 16'	10° 46'	12° 49'	26° 30'	S 13
S 14	11 29 31	24° 10' 03"	19° 15'	26° 37'	10° 23'	29° 13'	26° 9'	28° 25'	7° 49'	15° 52'	21° 26'	9° 8'	10° 43'	12° 56'	26° 34'	S 14
M15	11 33 28	25° 9' 51"	1° 12'	27° 37'	11° 22'	29° 59'	26° 19'	28° 30'	7° 48'	15° 53'	21° 27'	9° 0'	10° 40'	13° 2'	26° 38'	M15
T 16	11 37 24	26° 9' 37"	13° 31'	28° 40'	12° 20'	0° 47'	26° 29'	28° 35'	7° 46'	15° 54'	21° 29'	8° 51'	10° 37'	13° 9'	26° 42'	T 16
W17	11 41 21	27° 9' 20"	25° 29'	29° 45'	13° 18'	1° 33'	26° 39'	28° 40'	7° 44'	15° 54'	21° 31'	8° 44'	10° 34'	13° 16'	26° 46'	W17
T 18	11 45 17	28° 9' 02"	7° 52'	0° 52'	14° 16'	2° 20'	26° 50'	28° 45'	7° 42'	15° 55'	21° 32'	8° 38'	10° 31'	13° 22'	26° 50'	T 18
F 19	11 49 14	29° 8' 42"	19° 10'	2° 2'	15° 13'	3° 6'	27° 0'	28° 50'	7° 41'	15° 56'	21° 34'	8° 34'	10° 27'	13° 29'	26° 53'	F 19
S 20	11 53 10	0° 8' 20"	0° 58'	3° 14'	16° 9'	3° 53'	27° 10'	28° 55'	7° 39'	15° 57'	21° 35'	8° 32'	10° 24'	13° 36'	26° 57'	S 20
S 21	11 57 7	1° 7' 56"	12° 47'	4° 27'	17° 5'	4° 40'	27° 21'	29° 1'	7° 37'	15° 57'	21° 37'	8° 32'	10° 21'	13° 42'	27° 1'	S 21
M22	12 1 3	2° 7' 30"	24° 41'	5° 43'	18° 0'	5° 26'	27° 32'	29° 6'	7° 35'	15° 58'	21° 38'	8° 33'	10° 18'	13° 49'	27° 5'	M22
T 23	12 5 0	3° 7' 02"	6° 44'	7° 0'	18° 55'	6° 13'	27° 42'	29° 11'	7° 33'	15° 59'	21° 40'	8° 35'	10° 15'	13° 56'	27° 8'	T 23
W24	12 8 56	4° 6' 33"	19° 1'	8° 20'	19° 49'	6° 59'	27° 53'	29° 17'	7° 31'	16° 0'	21° 41'	8° 36'	10° 12'	14° 2'	27° 12'	W24
T 25	12 12 53	5° 6' 02"	1° 35'	9° 41'	20° 43'	7° 46'	28° 4'	29° 22'	7° 29'	16° 1'	21° 43'	8° 37'	10° 8'	14° 9'	27° 16'	T 25
F 26	12 16 50	6° 5' 29"	14° 32'	11° 3'	21° 36'	8° 32'	28° 15'	29° 28'	7° 27'	16° 2'	21° 44'	8° 37'	10° 5'	14° 16'	27° 19'	F 26
S 27	12 20 46	7° 4' 55"	27° 54'	12° 28'	22° 28'	9° 18'	28° 27'	29° 34'	7° 25'	16° 3'	21° 46'	8° 35'	10° 2'	14° 22'	27° 23'	S 27
S 28	12 24 43	8° 4' 18"	11° 45'	13° 53'	23° 19'	10° 5'	28° 38'	29° 39'	7° 23'	16° 4'	21° 48'	8° 32'	9° 59'	14° 29'	27° 26'	S 28
M29	12 28 39	9° 3' 40"	26° 4'	15° 21'	24° 10'	10° 51'	28° 49'	29° 45'	7° 21'	16° 5'	21° 49'	8° 28'	9° 56'	14° 36'	27° 30'	M29
T 30	12 32 36	10° 3' 00"	10° 48'	16° 50'	25° 0'	11° 37'	29° 1'	29° 51'	7° 19'	16° 6'	21° 51'	8° 24'	9° 52'	14° 42'	27° 33'	T 30
W31	12 36 32	11° 2' 18"	25° 50'	18° 50'	25° 49'	12° 23'	29° 8'	29° 57'	7° 17'	16° 7'	21° 52'	8° 20'	9° 49'	14° 49'	27° 37'	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	7s23	20s15	5s 2	13s18	1n51	11n53	1n35	5s 9	0s54	18n 6	0s44	17n46	1s53	13s44	0n30	21n14	1s27
T 2	7 0	14 53	4 41	13 29	1 37	12 21	1 41	4 51	0 53	18 8	0 44	17 47	1 53	13 44	0 30	21 14	1 27
W 3	6 37	8 32	4 1	13 39	1 24	12 49	1 46	4 32	0 53	18 10	0 44	17 48	1 52	13 43	0 30	21 14	1 27
T 4	6 14	1 39	3 3	13 46	1 11	13 16	1 52	4 13	0 52	18 13	0 44	17 49	1 52	13 43	0 30	21 14	1 27
F 5	5 51	5n17	1 53	13 52	0 57	13 43	1 57	3 54	0 52	18 15	0 43	17 51	1 52	13 43	0 30	21 15	1 27
S 6	5 27	11 51	0 36	13 56	0 45	14 10	2 2	3 35	0 51	18 17	0 43	17 52	1 52	13 42	0 30	21 15	1 26
S 7	5 4	17 38	0n42	13 57	0 32	14 37	2 8	3 16	0 51	18 20	0 43	17 53	1 51	13 42	0 30	21 15	1 26
M 8	4 40	22 18	1 55	13 57	0 20	15 3	2 13	2 57	0 51	18 22	0 43	17 54	1 51	13 41	0 30	21 15	1 26
T 9	4 17	25 34	3 0	13 56	0 8	15 29	2 19	2 38	0 50	18 24	0 43	17 55	1 51	13 41	0 30	21 15	1 26
W10	3 53	27 18	3 53	13 52	0s 3	15 54	2 24	2 19	0 50	18 27	0 42	17 56	1 51	13 40	0 30	21 15	1 26
T 11	3 30	27 27	4 32	13 47	0 15	16 20	2 30	2 0	0 49	18 29	0 42	17 58	1 50	13 40	0 30	21 15	1 26
F 12	3 6	26 8	4 57	13 40	0 25	16 45	2 35	1 40	0 49	18 32	0 42	17 59	1 50	13 39	0 30	21 15	1 26
S 13	2 43	23 30	5 8	13 31	0 35	17 9	2 40	1 21	0 48	18 34	0 42	18 0	1 50	13 39	0 30	21 15	1 26
S 14	2 19	19 50	5 3	13 21	0 45	17 33	2 46	1 2	0 48	18 37	0 41	18 1	1 50	13 38	0 30	21 16	1 26
M15	1 55	15 23	4 45	13 9	0 54	17 57	2 51	0 43	0 47	18 39	0 41	18 3	1 49	13 38	0 30	21 16	1 26
T 16	1 32	10 23	4 45	12 56	1 3	18 20	2 57	0 24	0 47	18 42	0 41	18 4	1 49	13 37	0 30	21 16	1 26
W17	1 8	5 2	3 32	12 41	1 12	18 43	3 2	0 5	0 46	18 44	0 41	18 5	1 49	13 37	0 30	21 16	1 26
T 18	0 44	0s27	2 41	12 24	1 20	19 6	3 8	0n14	0 46	18 47	0 41	18 6	1 49	13 36	0 30	21 16	1 26
F 19	0 20	5 54	1 43	12 6	1 27	19 28	3 13	0 33	0 45	18 50	0 41	18 8	1 48	13 36	0 30	21 16	1 26
S 20	0n 3	11 10	0 41	11 47	1 34	19 50	3 18	0 52	0 45	18 52	0 40	18 9	1 48	13 35	0 30	21 16	1 26
S 21	0 27	16 2	0s23	11 27	1 41	20 11	3 23	1 11	0 44	18 55	0 40	18 10	1 48	13 34	0 30	21 16	1 26
M22	0 51	20 21	1 27	11 4	1 47	20 32	3 29	1 30	0 44	18 57	0 40	18 12	1 48	13 34	0 30	21 17	1 26
T 23	1 14	23 52	2 28	10 41	1 53	20 52	3 34	1 48	0 43	19 0	0 40	18 13	1 48	13 33	0 30	21 17	1 26
W24	1 38	26 21	3 23	10 16	1 58	21 12	3 39	2 7	0 43	19 3	0 40	18 15	1 47	13 32	0 30	21 17	1 25
T 25	2 2	27 36	4 10	9 50	2 3	21 32	3 44	2 26	0 42	19 5	0 39	18 16	1 47	13 32	0 30	21 17	1 25
F 26	2 25	27 23	4 46	9 23	2 7	21 51	3 49	2 45	0 41	19 8	0 39	18 17	1 47	13 31	0 30	21 17	1 25
S 27	2 49	25 36	5 8	8 54	2 11	22 9	3 54	3 4	0 41	19 10	0 39	18 19	1 47	13 30	0 30	21 17	1 25
S 28	3 12	22 16	5 13	8 25	2 15	22 27	3 59	3 22	0 40	19 13	0 39	18 20	1 47	13 30	0 30	21 17	1 25
M29	3 35	17 30	4 59	7 53	2 18	22 45	4 4	3 41	0 40	19 16	0 39	18 22	1 46	13 29	0 30	21 18	1 25
T 30	3 59	11 36	4 25	7 21	2 20	23 2	4 9	3 59	0 39	19 18	0 39	18 23	1 46	13 28	0 30	21 18	1 25
W31	4n22	4s54	3s32	6s48	2s22	23n19	4n14	4n18	0s39	19n21	0s38	18n25	1s46	13s28	0n30	21n18	1s25

Julian Day Number = 2473519.5, Delta T = 77.69 sec
 Ecliptic obliquity = 23°26'01", Nutation = - 0°00'10", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°34'51", Lahiri = 24°41'51"

ASTRODIENST EPHEMERIS for the year 2060

geocentric

APRIL 2060

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	12 40 29	12°13'5	11°13'3	19°52'5	26°37'3	13°13'9	29°24'8	0°11'3	7°14'1	16°11'9	21°54'5	8°17'1	9°46'4	14°55'5	27°40'4	T 1
F 2	12 44 25	13°0'49	26°17'	21°25'	27°25'	13°56'	29°35'	0°9'	7°14'1	16°10'	21°55'	8°16'	9°43'	15°2'	27°43'	F 2
S 3	12 48 22	14°0'01	11°18'20	23°0'	28°12'	14°42'	29°47'	0°15'	7°10'	16°11'	21°57'	8°15'	9°40'	15°9'	27°46'	S 3
S 4	12 52 19	14°59'11	26°6'	24°37'	28°57'	15°28'	29°59'	0°21'	7°8'	16°12'	21°58'	8°16'	9°37'	15°15'	27°50'	S 4
M 5	12 56 15	15°58'18	10°11'29	26°14'	29°42'	16°14'	0°11'1	0°28'	7°5'	16°14'	21°59'	8°17'	9°33'	15°22'	27°53'	M 5
T 6	13 0 12	16°57'24	24°26'	27°54'	0°11'26	17°0'	0°23'	0°34'	7°3'	16°15'	22°1'	8°19'	9°30'	15°29'	27°56'	T 6
W 7	13 4 8	17°56'27	7°55'57	29°34'	1°9'	17°45'	0°35'	0°40'	7°1'	16°16'	22°2'	8°20'	9°27'	15°35'	27°59'	W 7
T 8	13 8 5	18°55'28	21°4'	1°16'16	1°51'	18°31'	0°47'	0°47'	6°58'	16°18'	22°4'	8°20'	9°24'	15°42'	28°2'	T 8
F 9	13 12 1	19°54'26	3°0'0	2°31'	19°17'	0°59'	0°53'	0°53'	6°56'	16°19'	22°5'	8°19'	9°21'	15°49'	28°5'	F 9
S 10	13 15 58	20°53'22	16°17'	4°45'	3°11'	20°3'	1°12'	1°0'	6°53'	16°20'	22°7'	8°18'	9°17'	15°55'	28°8'	S 10
S 11	13 19 54	21°52'16	28°31'	6°32'	3°49'	20°49'	1°24'	1°7'	6°51'	16°22'	22°8'	8°16'	9°14'	16°2'	28°11'	S 11
M 12	13 23 51	22°51'08	10°11'34	8°20'	4°26'	21°34'	1°37'	1°13'	6°49'	16°23'	22°9'	8°14'	9°11'	16°9'	28°14'	M 12
T 13	13 27 48	23°49'57	22°30'	10°9'	5°2'	22°20'	1°49'	1°20'	6°46'	16°25'	22°11'	8°11'	9°8'	16°15'	28°17'	T 13
W 14	13 31 44	24°48'45	4°42'20	12°1'	5°36'	23°5'	2°2'	1°27'	6°44'	16°26'	22°12'	8°9'	9°5'	16°22'	28°20'	W 14
T 15	13 35 41	25°47'30	16°9'	13°53'	6°9'	23°51'	2°14'	1°33'	6°41'	16°28'	22°13'	8°8'	9°2'	16°29'	28°23'	T 15
F 16	13 39 37	26°46'13	27°58'	15°47'	6°40'	24°36'	2°27'	1°40'	6°39'	16°29'	22°15'	8°7'	8°58'	16°35'	28°25'	F 16
S 17	13 43 34	27°44'54	9°14'48	17°43'	7°10'	25°22'	2°40'	1°47'	6°36'	16°31'	22°16'	8°7'	8°55'	16°42'	28°28'	S 17
S 18	13 47 30	28°43'34	21°43'	19°40'	7°39'	26°7'	2°52'	1°54'	6°34'	16°33'	22°17'	8°7'	8°52'	16°49'	28°31'	S 18
M 19	13 51 27	29°42'11	3°24'45	21°39'	8°6'	26°53'	3°5'	2°1'	6°31'	16°34'	22°19'	8°8'	8°49'	16°55'	28°33'	M 19
T 20	13 55 23	0°40'47	15°56'	23°39'	8°31'	27°38'	3°18'	2°8'	6°29'	16°36'	22°20'	8°8'	8°46'	17°2'	28°36'	T 20
W 21	13 59 20	1°39'21	28°20'	25°41'	8°54'	28°23'	3°31'	2°15'	6°26'	16°38'	22°21'	8°9'	8°43'	17°9'	28°38'	W 21
T 22	14 3 17	2°37'54	10°35'59	27°44'	9°16'	29°8'	3°44'	2°22'	6°23'	16°39'	22°23'	8°10'	8°39'	17°15'	28°40'	T 22
F 23	14 7 13	3°36'25	23°56'	29°48'	9°36'	29°53'	3°57'	2°29'	6°21'	16°41'	22°24'	8°10'	8°36'	17°22'	28°43'	F 23
S 24	14 11 10	4°34'54	7°14'14	18°54'	9°54'	0°39'	4°10'	2°36'	6°18'	16°43'	22°25'	8°10'	8°33'	17°29'	28°45'	S 24
S 25	14 15 6	5°33'21	20°56'	4°0'	10°10'	1°24'	4°23'	2°44'	6°16'	16°45'	22°26'	8°10'	8°30'	17°35'	28°47'	S 25
M 26	14 19 3	6°31'47	5°14'2	6°8'	10°24'	2°9'	4°36'	2°51'	6°13'	16°46'	22°27'	8°10'	8°27'	17°42'	28°50'	M 26
T 27	14 22 59	7°30'12	19°30'	8°16'	10°35'	2°54'	4°50'	2°58'	6°11'	16°48'	22°29'	8°10'	8°23'	17°49'	28°52'	T 27
W 28	14 26 56	8°28'35	4°18'18	10°25'	10°45'	3°39'	5°3'	3°5'	6°8'	16°50'	22°30'	8°10'	8°20'	17°55'	28°54'	W 28
T 29	14 30 52	9°26'56	19°19'	12°34'	10°53'	4°23'	5°16'	3°13'	6°6'	16°52'	22°31'	8°10'	8°17'	18°2'	28°56'	T 29
F 30	14 34 49	10°25'15	4°26'26	14°43'43	10°11'58	5°8'	5°11'30	3°11'20	6°11'3	16°54'	22°32'	8°10'	8°14'	18°2'9	28°58'	F 30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	4n45	2n10	2s24	6s13	2s24	23n35	4n18	4n36	0s38	19n24	0s38	18n26	1s46	13s27	0n30	21n18	1s25	16s40	14s41	14n16	14n44	3s53	6s37	6n 1	
F 2	5 8	9 7	1 5	5 37	2 25	23 50	4 23	4 55	0 38	19 26	0 38	18 27	1 46	13 26	0 30	21 18	1 25	16 40	14 41	14 15	14 43	3 56	6 36	6 1	
S 3	5 31	15 30	0n17	5 0	2 26	24 5	4 27	5 13	0 37	19 29	0 38	18 29	1 45	13 25	0 30	21 18	1 25	16 39	14 41	14 15	14 42	3 59	6 35	6 2	
S 4	5 54	20 51	1 37	4 22	2 26	24 20	4 32	5 31	0 37	19 32	0 38	18 30	1 45	13 25	0 30	21 19	1 25	16 39	14 41	14 16	14 41	4 3	6 33	6 2	
M 5	6 17	24 47	2 48	3 43	2 25	24 34	4 36	5 50	0 36	19 34	0 38	18 32	1 45	13 24	0 30	21 19	1 25	16 38	14 42	14 16	14 40	4 6	6 32	6 2	
T 6	6 40	27 7	3 48	3 3	2 24	24 48	4 40	6 8	0 35	19 37	0 37	18 33	1 45	13 23	0 30	21 19	1 25	16 38	14 42	14 16	14 39	4 9	6 31	6 2	
W 7	7 2	27 44	4 33	2 22	2 23	25 1	4 44	6 26	0 35	19 40	0 37	18 35	1 45	13 22	0 30	21 19	1 25	16 37	14 42	14 17	14 38	4 13	6 29	6 3	
T 8	7 25	26 45	5 2	1 39	2 21	25 13	4 48	6 44	0 34	19 42	0 37	18 36	1 44	13 22	0 30	21 19	1 25	16 37	14 42	14 17	14 37	4 16	6 28	6 3	
F 9	7 47	24 23	5 15	0 56	2 19	25 25	4 52	7 2	0 34	19 45	0 37	18 38	1 44	13 21	0 30	21 20	1 25	16 37	14 42	14 17	14 36	4 19	6 27	6 3	
S 10	8 9	20 55	5 13	0 12	2 16	25 37	4 55	7 20	0 33	19 48	0 37	18 39	1 44	13 20	0 30	21 20	1 25	16 36	14 42	14 16	14 35	4 23	6 26	6 3	
S 11	8 31	16 37	4 56	0n34	2 13	25 48	4 59	7 37	0 32	19 50	0 37	18 41	1 44	13 19	0 30	21 20	1 25	16 36	14 43	14 15	14 34	4 26	6 24	6 4	
M 12	8 53	11 43	4 27	1 20	2 9	25 58	5 2	7 55	0 32	19 53	0 36	18 42	1 44	13 18	0 30	21 20	1 25	16 35	14 43	14 15	14 33	4 29	6 23	6 4	
T 13	9 15	6 27	3 46	2 7	2 5	26 8	5 5	8 12	0 31	19 56	0 36	18 44	1 44	13 18	0 30	21 20	1 25	16 35	14 43	14 14	14 32	4 32	6 22	6 4	
W 14	9 36	0 58	2 56	2 55	2 0	26 17	5 8	8 30	0 31	19 58	0 36	18 45	1 43	13 17	0 30	21 21	1 24	16 35	14 43	14 13	14 31	4 36	6 21	6 4	
T 15	9 58	4s31	1 59	3 43	1 54	26 25	5 11	8 47	0 30	20 1	0 36	18 47	1 43	13 16	0 30	21 21	1 24	16 34	14 43	14 13	14 30	4 39	6 20	6 5	
F 16	10 19	9 52	0 56	4 33	1 49	26 34	5 13	9 4	0 29	20 4	0 36	18 48	1 43	13 15	0 30	21 21	1 24	16 34	14 44	14 13	14 29	4 42	6 19	6 5	
S 17	10 40	14 54	0s 9	5 23	1 42	26 41	5 15	9 22	0 29	20 6	0 36	18 50	1 43	13 14	0 30	21 21	1 24	16 34	14 44	14 13	14 28	4 46	6 17	6 5	
S 18	11 1	19 24	1 15	6 13	1 35	26 48	5 17	9 39	0 28	20 9	0 36	18 51	1 43	13 14	0 30	21 21	1 24	16 33	14 44	14 13	14 27	4 49	6 16	6 5	
M 19	11 22	23 9	2 18	7 5	1 28	26 54	5 19	9 56	0 28	20 11	0 35	18 53	1 43	13 13	0 30	21 22	1 24	16 33	14 44	14 13	14 26	4 52	6 15	6 6	
T 20	11 42	25 55	3 15	7 56	1 20	27 0	5 21	10 12	0 27	20 14	0 35	18 55	1 42	13 12	0 30	21 22	1 24	16 33	14 44	14 13	14 25	4 56	6 14	6 6	
W 21	12 3	27 30	4 4	8 48	1 12	27 5	5 22	10 29	0 26	20 17	0 35	18 56	1 42	13 11	0 30	21 22	1 24	16 32	14 45	14 13	14 24	4 59	6 13	6 6	
T 22	12 23	27 41	4 43	9 41	1 3	27 9	5 23	10 46	0 26	20 19	0 35	18 58	1 42	13 10	0 30	21 22	1 24	16 32	14 45	14 13	14 23	5 2	6 12	6 7	
F 23	12 43	26 22	5 8	10 33	0 54	27 13	5 24	11 2	0 25	20 22	0 35	18 59	1 42	13 9	0 30	21 22	1 24	16 32	14 45	14 14	14 22	5 5	6 11	6 7	
S 24	13 3	23 34	5 18	11 26	0 45	27 16	5 24	11 19	0 25	20 24	0 35	19 1	1 42	13 9	0 30	21 23	1 24	16 32	14 45	14 14	14 21	5 9	6 10	6 7	
S 25	13 22	19 24	5 10	12 18	0 35	27 19	5 24	11 35	0 24	20 27	0 35	19 2	1 42	13 8	0 30	21 23	1 24	16 31	14 46	14 14	14 20	5 12	6 9	6 8	
M 26	13 42	14 4	4 44	13 10	0 25	27 21	5 24	11 51	0 23	20 29	0 34	19 4	1 42	13 7	0 30	21 23	1 24	16 31	14 46	14 14	14 19	5 15	6 7	6 8	
T 27	14 1	7 49	3 59	14 1	0 15	27 22	5 23	12 7	0 23	20 32	0 34	19 5	1 41	13 6	0 30	21 23	1 24	16 31	14 46	14 13	14 18	5 19	6 6	6 8	
W 28	14 20	1 0	2 57	14 52	0 4	27 22	5 22	12 23	0 22	20 34	0 34	19 7	1 41	13 5	0 30	21 23	1 24	16 31	14 46	14 13	14 17	5 22	6 5	6 8	
T 29	14 38	5n58	1 43	15 42	0n 6	27 22	5 21	12 39	0 21	20 37	0 34	19 8	1 41	13 4	0 30	21 24	1 24	16 30	14 47	14 14	14 16	5 25	6 4	6 9	
F 30	14n57	12n40	0s21	16n31	0m17	27n21	5n19	12n54	0s21	20m39	0s34	19n10	1s41	13s 4	0n30	21n24	1s24	16s30	14s47	14n14	14n15	5s28	6s 3	6n 9	

ASTRODIENST EPHEMERIS for the year 2060

geocentric

MAY 2060

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 38 46	11823'33	19829	16852	1111	5853	51143	31128	6°R 0	161156	221133	8°R10	8811	18115	29110	S 1
S 2	14 42 42	12°21'49	41120	19° 0	11°R 2	6°38	5°57	3°35	51158	16°57	22°34	8810	8° 8	18°22	29° 2	S 2
M 3	14 46 39	13°20'03	18°51	21° 8	11° 0	7°22	6°10	3°42	5°55	16°59	22°35	8° 9	8° 4	18°28	29° 4	M 3
T 4	14 50 35	14°18'16	22558	23°14	10°56	8° 7	6°24	3°50	5°53	17° 1	22°37	8° 8	8° 1	18°35	29° 5	T 4
W 5	14 54 32	15°16'26	16°38	25°19	10°49	8°52	6°37	3°57	5°50	17° 3	22°38	8° 8	7°58	18°42	29° 7	W 5
T 6	14 58 28	16°14'34	29°52	27°23	10°40	9°36	6°51	4° 5	5°48	17° 5	22°39	8° 7	7°55	18°48	29° 9	T 6
F 7	15 2 25	17°12'41	12842	29°24	10°29	10°21	7° 4	4°12	5°45	17° 7	22°40	8°D 7	7°52	18°55	29°10	F 7
S 8	15 6 21	18°10'45	25°11	11123	10°15	11° 5	7°18	4°20	5°43	17° 9	22°41	8° 7	7°49	19° 2	29°12	S 8
S 9	15 10 18	19° 8'48	71123	3°20	9°58	11°49	7°32	4°28	5°40	17°11	22°42	8° 7	7°45	19° 8	29°13	S 9
M10	15 14 15	20° 6'48	19°22	5°14	9°40	12°34	7°45	4°35	5°38	17°13	22°43	8° 8	7°42	19°15	29°15	M10
T 11	15 18 11	21° 4'47	1114	7° 6	9°19	13°18	7°59	4°43	5°35	17°15	22°44	8° 9	7°39	19°22	29°16	T 11
W12	15 22 8	22° 2'44	13° 2	8°54	8°55	14° 2	8°13	4°50	5°33	17°17	22°44	8°11	7°36	19°28	29°17	W12
T 13	15 26 4	23° 0'39	24°50	10°39	8°30	14°46	8°26	4°58	5°31	17°19	22°45	8°12	7°33	19°35	29°19	T 13
F 14	15 30 1	23°58'33	61141	12°21	8° 2	15°30	8°40	5° 6	5°28	17°22	22°46	8°R12	7°29	19°42	29°20	F 14
S 15	15 33 57	24°56'25	18°38	14° 0	7°33	16°14	8°54	5°14	5°26	17°24	22°47	8°12	7°26	19°48	29°21	S 15
S 16	15 37 54	25°54'16	01143	15°35	7° 2	16°58	9° 8	5°21	5°24	17°26	22°48	8°11	7°23	19°55	29°22	S 16
M17	15 41 50	26°52'05	12°57	17° 7	6°29	17°42	9°22	5°29	5°21	17°28	22°49	8° 9	7°20	20° 2	29°23	M17
T 18	15 45 47	27°49'53	25°23	18°35	5°55	18°26	9°36	5°37	5°19	17°30	22°50	8° 6	7°17	20° 8	29°24	T 18
W19	15 49 44	28°47'39	811	20° 0	5°20	19°10	9°50	5°44	5°17	17°32	22°50	8° 3	7°14	20°15	29°25	W19
T 20	15 53 40	29°45'25	30°53	21°21	4°43	19°53	10° 3	5°52	5°14	17°34	22°51	8° 0	7°10	20°22	29°26	T 20
F 21	15 57 37	01143'09	22°59	22°39	4° 7	20°37	10°17	6° 0	5°12	17°36	22°52	7°57	7° 7	20°28	29°27	F 21
S 22	16 1 33	1°40'52	17°22	23°52	3°29	21°21	10°31	6° 8	5°10	17°39	22°53	7°55	7° 4	20°35	29°27	S 22
S 23	16 5 30	2°38'34	111	25° 2	2°51	22° 4	10°45	6°15	5° 8	17°41	22°53	7°D55	7° 1	20°42	29°28	S 23
M24	16 9 26	3°36'15	14°58	26° 9	2°14	22°48	10°59	6°23	5° 6	17°43	22°54	7°55	6°58	20°48	29°28	M24
T 25	16 13 23	4°33'55	29°11	27°11	1°36	23°32	11°13	6°31	5° 3	17°45	22°55	7°56	6°55	20°55	29°29	T 25
W26	16 17 19	5°31'34	13°Y39	28° 9	0°59	24°15	11°27	6°39	5° 1	17°47	22°55	7°58	6°51	21° 1	29°29	W26
T 27	16 21 16	6°29'12	28°19	29° 4	0°23	24°58	11°41	6°47	4°59	17°50	22°56	7°59	6°48	21° 8	29°30	T 27
F 28	16 25 13	7°26'49	1311	29°54	29°48	25°42	11°55	6°54	4°57	17°52	22°56	7°R59	6°45	21°15	29°30	F 28
S 29	16 29 9	8°24'25	27°53	0940	29°13	26°25	12° 9	7° 2	4°55	17°54	22°57	7°58	6°42	21°21	29°30	S 29
S 30	16 33 6	9°22'00	121133	1°22	28°41	27° 8	12°23	7°10	4°53	17°56	22°58	7°55	6°39	21°28	29°31	S 30
M31	16 37 2	10119'34	261159	1959	288 9	27851	121137	71118	41151	171158	221158	7851	6835	21135	29131	M31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	15n15	18n36	1n 2	17n19	0n28	27n19	5n17	13n10	0s20	20n42	0s34	19n11	1s41	13s 3	0n30	21n24	1s24	16s30	14s47	14n14	14n14	5s32	6s 2	6n 9			
S 2	15 33	23 18	2 20	18 5	0 38	27 16	5 14	13 25	0 20	20 44	0 34	19 13	1 41	13 2	0 30	21 24	1 24	16 30	14 48	14 13	14 13	5 35	6 2	6 10			
M 3	15 50	26 25	3 27	18 49	0 49	27 13	5 11	13 40	0 19	20 47	0 34	19 14	1 41	13 1	0 30	21 25	1 24	16 30	14 48	14 13	14 12	5 38	6 1	6 10			
T 4	16 8	27 44	4 20	19 32	0 59	27 8	5 7	13 55	0 18	20 49	0 33	19 16	1 41	13 0	0 30	21 25	1 24	16 29	14 48	14 13	14 11	5 42	6 0	6 10			
W 5	16 25	27 17	4 55	20 12	1 9	27 3	5 3	14 10	0 18	20 52	0 33	19 17	1 41	12 59	0 30	21 25	1 24	16 29	14 48	14 13	14 10	5 45	5 59	6 11			
T 6	16 42	25 17	5 14	20 50	1 18	26 57	4 58	14 25	0 17	20 54	0 33	19 19	1 40	12 59	0 30	21 25	1 24	16 29	14 49	14 13	14 9	5 48	5 58	6 11			
F 7	16 58	22 3	5 16	21 26	1 27	26 50	4 53	14 40	0 16	20 56	0 33	19 20	1 40	12 58	0 30	21 25	1 24	16 29	14 49	14 13	14 8	5 52	5 57	6 11			
S 8	17 14	17 53	5 3	22 0	1 36	26 42	4 47	14 54	0 16	20 59	0 33	19 22	1 40	12 57	0 30	21 26	1 24	16 29	14 49	14 13	14 7	5 55	5 56	6 12			
S 9	17 30	13 5	4 37	22 31	1 44	26 33	4 40	15 8	0 15	21 1	0 33	19 23	1 40	12 56	0 30	21 26	1 24	16 29	14 50	14 13	14 6	5 58	5 55	6 12			
M10	17 46	7 52	3 59	22 59	1 51	26 23	4 33	15 22	0 14	21 4	0 33	19 25	1 40	12 55	0 30	21 26	1 24	16 29	14 50	14 13	14 5	6 1	5 55	6 12			
T 11	18 1	2 26	3 11	23 25	1 58	26 12	4 25	15 36	0 14	21 6	0 33	19 26	1 40	12 55	0 30	21 26	1 23	16 29	14 50	14 13	14 4	6 5	5 54	6 13			
W12	18 16	3s 4	2 15	23 49	2 3	26 1	4 17	15 50	0 13	21 8	0 33	19 28	1 40	12 54	0 30	21 26	1 23	16 29	14 51	14 14	14 2	6 8	5 53	6 13			
T 13	18 31	8 29	1 13	24 9	2 9	25 48	4 8	16 4	0 13	21 10	0 32	19 29	1 40	12 53	0 30	21 27	1 23	16 28	14 51	14 14	14 1	6 11	5 52	6 13			
F 14	18 46	13 37	0 8	24 28	2 13	25 34	3 58	16 17	0 12	21 13	0 32	19 31	1 40	12 52	0 30	21 27	1 23	16 28	14 51	14 14	14 0	6 15	5 52	6 14			
S 15	19 0	18 17	0s57	24 44	2 16	25 19	3 48	16 31	0 11	21 15	0 32	19 32	1 40	12 52	0 30	21 27	1 23	16 28	14 51	14 14	13 59	6 18	5 51	6 14			
S 16	19 14	22 16	2 1	24 57	2 19	25 3	3 38	16 44	0 11	21 17	0 32	19 34	1 39	12 51	0 30	21 27	1 23	16 28	14 52	14 14	13 58	6 21	5 50	6 14			
M17	19 27	25 20	3 0	25 9	2 21	24 47	3 27	16 57	0 10	21 19	0 32	19 35	1 39	12 50	0 30	21 28	1 23	16 28	14 52	14 13	13 57	6 24	5 50	6 15			
T 18	19 40	27 13	3 52	25 18	2 22	24 29	3 15	17 10	0 9	21 22	0 32	19 36	1 39	12 49	0 30	21 28	1 23	16 28	14 52	14 12	13 56	6 28	5 49	6 15			
W19	19 53	27 44	4 33	25 25	2 22	24 11	3 3	17 22	0 9	21 24	0 32	19 38	1 39	12 48	0 30	21 28	1 23	16 28	14 53	14 11	13 55	6 31	5 48	6 15			
T 20	20 6	26 46	5 1	25 30	2 21	23 52	2 50	17 35	0 8	21 26	0 32	19 39	1 39	12 48	0 30	21 28	1 23	16 28	14 53	14 10	13 54	6 34	5 48	6 16			
F 21	20 18	24 20	5 14	25 33	2 20	23 32	2 37	17 47	0 7	21 28	0 32	19 41	1 39	12 47	0 30	21 28	1 23	16 28	14 53	14 9	13 53	6 37	5 47	6 16			
S 22	20 30	20 33	5 10	25 34	2 17	23 12	2 24	17 59	0 7	21 30	0 31	19 42	1 39	12 46	0 30	21 29	1 23	16 28	14 54	14 9	13 52	6 41	5 46	6 17			
S 23	20 41	15 37	4 50	25 34	2 14	22 51	2 10	18 11	0 6	21 32	0 31	19 43	1 39	12 46	0 30	21 29	1 23	16 28	14 54	14 9	13 51	6 44	5 46	6 17			
M24	20 52	9 47	4 11	25 32	2 9	22 30	1 56	18 23	0 5	21 34	0 31	19 45	1 39	12 45	0 30	21 29	1 23	16 28	14 55	14 9	13 50	6 47	5 45	6 17			
T 25	21 3	3 20	3 17	25 28	2 4	22 9	1 42	18 34	0 5	21 36	0 31	19 46	1 39	12 44	0 30	21 29	1 23	16 28	14 55	14 9	13 49	6 51	5 45	6 18			
W26	21 13	3n24	2 10	25 23	1 58	21 47	1 28	18 46	0 4	21 38	0 31	19 48	1 39	12 44	0 30	21 30	1 23	16 28	14 55	14 10	13 48	6 54	5 44	6 18			
T 27	21 23	10 3	0 53	25 17	1 51	21 25	1 14	18 57	0 3	21 40	0 31	19 49	1 39	12 43	0 30	21 30	1 23	16 29	14 56	14 10	13 47	6 57	5 44	6 18			
F 28	21 33	16 13	0n28	25 9	1 43	21 4	0 59	19 8	0 3	21 42	0 31	19 50	1 39	12 42	0 30	21 30	1 23	16 29	14 56	14 10	13 46	7 0	5 43	6 19			
S 29	21 42	21 25	1 47	25 0	1 34	20 43	0 45	19 19	0 2	21 44	0 31	19 52	1 38	12 42	0 30	21 30	1 23	16 29	14 56	14 10	13 45	7 4	5 43	6 19			
S 30	21 51	25 14	2 58	24 50	1 25	20 22	0 31	19 29	0 2	21 46	0 31	19 53	1 38	12 41	0 30	21 30	1 23	16 29	14 57	14 9	13 44	7 7	5 43	6 19			
M31	21n59	27n20	3n56	24n39	1n14	20n 1	0n17	19n40	0s 1	21n48	0s31	19n54	1s38	12s40	0n30	21n31	1s23	16s29	14s57	14n 7	13n43	7s10	5s42	6n20			

ASTRODIENST EPHEMERIS for the year 2060
geocentric

JUNE 2060

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 40 59	11 ^{II} 1707	11 [☾] 6	29 [♂] 33	27°R40	28 [♂] 35	12 ^{II} 51	7 ^{II} 25	4°R49	18 ^{II} 1	22 [♂] 59	7°R46	6 [♂] 32	21 [♂] 41	29 [♂] 31	T 1
W 2	16 44 55	12°14'39	24°48	3° 1	27 [♂] 12	29°18	13° 5	7°33	4 ^{II} 48	18° 3	22°59	7 [♂] 41	6°29	21°48	29°R31	W 2
T 3	16 48 52	13°12'09	8 [♂] 6	3°26	26°46	0 ^{II} 1	13°19	7°41	4°46	18° 5	23° 0	7°36	6°26	21°55	29°31	T 3
F 4	16 52 49	14° 9'39	20°59	3°45	26°22	0°44	13°33	7°49	4°44	18° 7	23° 0	7°32	6°23	22° 1	29°31	F 4
S 5	16 56 45	15° 7'06	3 ^{II} 31	4° 0	26° 1	1°27	13°47	7°56	4°42	18°10	23° 0	7°30	6°20	22° 8	29°31	S 5
S 6	17 0 42	16° 4'33	15°44	4°11	25°42	2° 9	14° 1	8° 4	4°41	18°12	23° 1	7°D29	6°16	22°15	29°30	S 6
M 7	17 4 38	17° 1'58	27°44	4°17	25°25	2°52	14°15	8°12	4°39	18°14	23° 1	7°30	6°13	22°21	29°30	M 7
T 8	17 8 35	17°59'23	9 [♂] 35	4°R18	25°10	3°35	14°29	8°20	4°37	18°16	23° 1	7°31	6°10	22°28	29°30	T 8
W 9	17 12 31	18°56'46	21°23	4°14	24°58	4°18	14°43	8°27	4°36	18°19	23° 2	7°33	6° 7	22°35	29°29	W 9
T 10	17 16 28	19°54'08	3 ^{II} 13	4° 7	24°48	5° 0	14°57	8°35	4°34	18°21	23° 2	7°R34	6° 4	22°41	29°29	T 10
F 11	17 20 24	20°51'29	15° 8	3°55	24°40	5°43	15°11	8°43	4°33	18°23	23° 2	7°34	6° 1	22°48	29°29	F 11
S 12	17 24 21	21°48'50	27°12	3°39	24°35	6°25	15°25	8°50	4°31	18°25	23° 3	7°32	5°57	22°55	29°28	S 12
S 13	17 28 18	22°46'09	9 [♂] 28	3°19	24°33	7° 8	15°39	8°58	4°30	18°28	23° 3	7°28	5°54	23° 1	29°27	S 13
M14	17 32 14	23°43'28	21°58	2°56	24°D32	7°50	15°53	9° 6	4°28	18°30	23° 3	7°22	5°51	23° 8	29°27	M14
T 15	17 36 11	24°40'46	4 [♂] 42	2°30	24°34	8°33	16° 6	9°13	4°27	18°32	23° 3	7°15	5°48	23°14	29°26	T 15
W16	17 40 7	25°38'04	17°40	2° 1	24°38	9°15	16°20	9°21	4°26	18°34	23° 3	7° 7	5°45	23°21	29°25	W16
T 17	17 44 4	26°35'21	0 [♂] 53	1°30	24°45	9°57	16°34	9°28	4°24	18°36	23° 4	6°58	5°41	23°28	29°24	T 17
F 18	17 48 0	27°32'37	14°18	0°58	24°54	10°39	16°48	9°36	4°23	18°39	23° 4	6°51	5°38	23°34	29°23	F 18
S 19	17 51 57	28°29'53	27°55	0°24	25° 4	11°21	17° 2	9°43	4°22	18°41	23° 4	6°46	5°35	23°41	29°22	S 19
S 20	17 55 53	29°27'09	11 [♂] 42	29 ^{II} 49	25°17	12° 4	17°16	9°51	4°21	18°43	23° 4	6°42	5°32	23°48	29°21	S 20
M21	17 59 50	0 [♂] 24'25	25°38	29°15	25°32	12°46	17°29	9°58	4°20	18°45	23° 4	6°D41	5°29	23°54	29°20	M21
T 22	18 3 47	1°21'40	9 [♂] 44	28°41	25°49	13°28	17°43	10° 6	4°19	18°48	23°R 4	6°41	5°26	24° 1	29°19	T 22
W23	18 7 43	2°18'56	23°57	28° 9	26° 8	14° 9	17°57	10°13	4°18	18°50	23° 4	6°42	5°22	24° 8	29°18	W23
T 24	18 11 40	3°16'11	8 [♂] 16	27°38	26°28	14°51	18°11	10°21	4°17	18°52	23° 4	6°R42	5°19	24°14	29°16	T 24
F 25	18 15 36	4°13'26	22°39	27°10	26°51	15°33	18°24	10°28	4°16	18°54	23° 4	6°41	5°16	24°21	29°15	F 25
S 26	18 19 33	5°10'42	7 ^{II} 2	26°44	27°15	16°15	18°38	10°35	4°15	18°56	23° 4	6°38	5°13	24°28	29°14	S 26
S 27	18 23 29	6° 7'57	21°20	26°22	27°40	16°57	18°52	10°43	4°14	18°58	23° 4	6°32	5°10	24°34	29°12	S 27
M28	18 27 26	7° 5'12	5 [♂] 28	26° 3	28° 7	17°38	19° 5	10°50	4°14	19° 1	23° 3	6°24	5° 7	24°41	29°11	M28
T 29	18 31 22	8° 2'27	19°22	25°48	28°36	18°20	19°19	10°57	4°13	19° 3	23° 3	6°15	5° 3	24°48	29° 9	T 29
W30	18 35 19	8 [♂] 59'41	2 [♂] 56	25 ^{II} 38	29 [♂] 6	19 ^{II} 2	19 ^{II} 32	11 ^{II} 4	4 ^{II} 12	19 ^{II} 5	23 [♂] 3	6 [♂] 4	5 [♂] 0	24 [♂] 54	29 [♂] 8	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 8	27n36	4n39	24n27	1n 3	19n41	0n 3	19n50	0s 0	21n50	0s30	19n56	1s38	12s40	0n30	21n31	1s23	16s29	14s57	14n 6	13n42	7s14	5s42	6n20			
W 2	22 15	26 9	5 4	24 15	0 51	19 21	0s11	20 0	0n 0	21 52	0 30	19 57	1 38	12 39	0 30	21 31	1 23	16 29	14 58	14 4	13 41	7 17	5 42	6 20			
T 3	22 23	23 15	5 12	24 1	0 38	19 3	0 24	20 10	0 1	21 53	0 30	19 58	1 38	12 39	0 30	21 31	1 23	16 29	14 58	14 3	13 40	7 20	5 41	6 21			
F 4	22 30	19 17	5 3	23 47	0 24	18 44	0 37	20 20	0 2	21 55	0 30	19 59	1 38	12 38	0 30	21 31	1 23	16 30	14 58	14 1	13 39	7 23	5 41	6 21			
S 5	22 36	14 34	4 40	23 32	0 10	18 27	0 50	20 29	0 2	21 57	0 30	20 1	1 38	12 37	0 29	21 32	1 23	16 30	14 59	14 1	13 38	7 27	5 41	6 21			
S 6	22 42	9 23	4 5	23 17	0s 5	18 11	1 2	20 38	0 3	21 59	0 30	20 2	1 38	12 37	0 29	21 32	1 23	16 30	14 59	14 0	13 37	7 30	5 40	6 22			
M 7	22 48	3 58	3 20	23 1	0 21	17 55	1 14	20 47	0 4	22 0	0 30	20 3	1 38	12 36	0 29	21 32	1 23	16 30	15 0	14 1	13 35	7 33	5 40	6 22			
T 8	22 53	1s33	2 26	22 45	0 37	17 40	1 25	20 56	0 4	22 2	0 30	20 5	1 38	12 36	0 29	21 32	1 23	16 30	15 0	14 1	13 34	7 36	5 40	6 23			
W 9	22 58	7 0	1 27	22 29	0 53	17 27	1 36	21 5	0 5	22 4	0 30	20 6	1 38	12 35	0 29	21 32	1 23	16 31	15 0	14 2	13 33	7 40	5 40	6 23			
T 10	23 3	12 13	0 24	22 12	1 10	17 14	1 47	21 13	0 6	22 6	0 30	20 7	1 38	12 35	0 29	21 33	1 23	16 31	15 1	14 2	13 32	7 43	5 40	6 23			
F 11	23 7	17 1	0s41	21 55	1 27	17 2	1 57	21 21	0 6	22 7	0 30	20 8	1 38	12 34	0 29	21 33	1 23	16 31	15 1	14 2	13 31	7 46	5 39	6 24			
S 12	23 11	21 13	1 44	21 39	1 44	16 52	2 7	21 29	0 7	22 9	0 30	20 9	1 38	12 34	0 29	21 33	1 23	16 31	15 1	14 1	13 30	7 49	5 39	6 24			
S 13	23 14	24 34	2 44	21 22	2 1	16 42	2 16	21 37	0 8	22 10	0 29	20 11	1 38	12 33	0 29	21 33	1 23	16 31	15 2	14 0	13 29	7 53	5 39	6 24			
M14	23 17	26 48	3 37	21 6	2 18	16 33	2 25	21 45	0 8	22 12	0 29	20 12	1 38	12 33	0 29	21 33	1 23	16 32	15 2	13 58	13 28	7 56	5 39	6 25			
T 15	23 20	27 40	4 19	20 50	2 35	16 26	2 33	21 52	0 9	22 13	0 29	20 13	1 38	12 33	0 29	21 34	1 23	16 32	15 2	13 56	13 27	7 59	5 39	6 25			
W16	23 22	27 3	4 50	20 34	2 51	16 19	2 41	21 59	0 10	22 15	0 29	20 14	1 38	12 32	0 29	21 34	1 23	16 32	15 3	13 53	13 26	8 2	5 39	6 25			
T 17	23 23	24 55	5 5	20 19	3 6	16 13	2 49	22 6	0 10	22 16	0 29	20 15	1 38	12 32	0 29	21 34	1 23	16 33	15 3	13 50	13 25	8 6	5 39	6 26			
F 18	23 25	21 23	5 4	20 5	3 21	16 8	2 56	22 13	0 11	22 18	0 29	20 16	1 38	12 31	0 29	21 34	1 23	16 33	15 4	13 48	13 24	8 9	5 39	6 26			
S 19	23 25	16 40	4 47	19 52	3 34	16 5	3 2	22 20	0 12	22 19	0 29	20 17	1 38	12 31	0 29	21 34	1 23	16 33	15 4	13 46	13 23	8 12	5 39	6 26			
S 20	23 26	11 3	4 12	19 39	3 47	16 2	3 9	22 26	0 12	22 21	0 29	20 19	1 38	12 31	0 29	21 35	1 23	16 33	15 4	13 45	13 22	8 15	5 39	6 26			
M21	23 26	4 49	3 22	19 28	3 58	15 59	3 15	22 32	0 13	22 22	0 29	20 20	1 38	12 30	0 29	21 35	1 23	16 34	15 5	13 45	13 21	8 19	5 39	6 27			
T 22	23 26	1n43	2 20	19 17	4 8	15 58	3 20	22 38	0 13	22 23	0 29	20 21	1 38	12 30	0 29	21 35	1 23	16 34	15 5	13 45	13 20	8 22	5 39	6 27			
W23	23 25	8 14	1 8	19 8	4 17	15 57	3 25	22 44	0 14	22 25	0 29	20 22	1 38	12 30	0 29	21 35	1 23	16 34	15 5	13 45	13 19	8 25	5 39	6 27			
T 24	23 24	14 23	0n 8	19 0	4 25	15 57	3 30	22 49	0 15	22 26	0 29	20 23	1 38	12 29	0 29	21 35	1 23	16 35	15 6	13 45	13 18	8 28	5 40	6 28			
F 25	23 22	19 47	1 24	18 54	4 30	15 58	3 34	22 54	0 15	22 27	0 29	20 24	1 38	12 29	0 29	21 35	1 23	16 35	15 6	13 45	13 16	8 32	5 40	6 28			
S 26	23 20	24 1	2 35	18 49	4 35	16 0	3 38	22 59	0 16	22 28	0 29	20 25	1 38	12 29	0 29	21 36	1 23	16 35	15 7	13 44	13 15	8 35	5 40	6 28			
S 27	23 17	26 44	3 35	18 45	4 38	16 2	3 42	23 4	0 17	22 30	0 28	20 26	1 38	12 29	0 29	21 36	1 23	16 36	15 7	13 42	13 14	8 38	5 40	6 29			
M28	23 15	27 40	4 21	18 44	4 39	16 4	3 45	23 9	0 17	22 31	0 28	20 27	1 38	12 28	0 29	21 36	1 23	16 36	15 7	13 39	13 13	8 41	5 40	6 29			
T 29	23 11	26 50	4 51	18 43	4 39	16 8	3 48	23 13	0 18	22 32	0 28	20 28	1 38	12 28	0 29	21 36	1 23	16 37	15 8	13 36	13 12	8 45	5 41	6 29			
W30	23n 8	24n25	5n 3	18n44	4s38	16n11	3s51	23n17	0n19	22n33	0s28	20n29	1s38	12s28	0n29	21n36	1s23	16s37	15s 8	13n33	13n11	8s48	5s41	6n29			

ASTRODIENST EPHEMERIS for the year 2060
geocentric

JULY 2060

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Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	18 39 16	9 ⁵⁶ 55	16 ⁰ 9	25°R31	29 ⁸ 38	19 ^{II} 43	19 ^{II} 46	11 ^{II} 12	4°R12	19 ^{II} 7	23°R 3	5°R55	4 ⁸ 57	25 ⁰ 1	29°R 6	T 1
F 2	18 43 12	10°54'09	29° 0	25°D30	0 ^{II} 11	20°25	19°59	11°19	4 ^{II} 11	19° 9	23 ^{II} 3	5 ⁸ 46	4°54	25° 8	29 ⁰ 4	F 2
S 3	18 47 9	11°51'22	11 ^{II} 31	25 ^{II} 33	0°45	21° 6	20°13	11°26	4°11	19°11	23° 3	5°40	4°51	25°14	29° 3	S 3
S 4	18 51 5	12°48'36	23°44	25°42	1°20	21°47	20°26	11°33	4°10	19°13	23° 2	5°36	4°47	25°21	29° 1	S 4
M 5	18 55 2	13°45'48	5 ^{II} 44	25°55	1°57	22°29	20°40	11°40	4°10	19°15	23° 2	5°35	4°44	25°27	28°59	M 5
T 6	18 58 58	14°43'01	17°36	26°13	2°35	23°10	20°53	11°47	4°10	19°18	23° 2	5°D34	4°41	25°34	28°57	T 6
W 7	19 2 55	15°40'13	29°25	26°36	3°14	23°51	21° 6	11°54	4° 9	19°20	23° 1	5°R35	4°38	25°41	28°55	W 7
T 8	19 6 51	16°37'25	11 ^{II} 15	27° 5	3°54	24°32	21°20	12° 1	4° 9	19°22	23° 1	5°35	4°35	25°47	28°53	T 8
F 9	19 10 48	17°34'37	23°14	27°38	4°35	25°13	21°33	12° 8	4° 9	19°24	23° 1	5°33	4°32	25°54	28°51	F 9
S 10	19 14 45	18°31'49	5 ^{II} 24	28°16	5°17	25°54	21°46	12°14	4° 9	19°26	23° 0	5°30	4°28	26° 1	28°49	S 10
S 11	19 18 41	19°29'01	17°50	29° 0	6° 0	26°35	21°59	12°21	4° 9	19°28	23° 0	5°24	4°25	26° 7	28°47	S 11
M12	19 22 38	20°26'13	0 ^{II} 34	29°48	6°44	27°16	22°12	12°28	4°D 9	19°30	22°59	5°15	4°22	26°14	28°45	M12
T 13	19 26 34	21°23'25	13°36	0 ^{II} 41	7°29	27°57	22°25	12°35	4° 9	19°32	22°59	5° 5	4°19	26°21	28°43	T 13
W14	19 30 31	22°20'38	26°57	1°39	8°14	28°38	22°38	12°41	4° 9	19°34	22°59	4°53	4°16	26°27	28°40	W14
T 15	19 34 27	23°17'50	10 ^{II} 34	2°42	9° 1	29°19	22°51	12°48	4° 9	19°36	22°58	4°42	4°13	26°34	28°38	T 15
F 16	19 38 24	24°15'03	24°23	3°49	9°48	29°59	23° 4	12°54	4° 9	19°37	22°57	4°31	4° 9	26°41	28°36	F 16
S 17	19 42 21	25°12'17	8 ^{II} 22	5° 1	10°36	0 ^{II} 40	23°17	13° 1	4°10	19°39	22°57	4°23	4° 6	26°47	28°33	S 17
S 18	19 46 17	26° 9'31	22°27	6°17	11°25	1°21	23°30	13° 7	4°10	19°41	22°56	4°17	4° 3	26°54	28°31	S 18
M19	19 50 14	27° 6'45	6 ^{II} 34	7°38	12°15	2° 1	23°42	13°14	4°10	19°43	22°56	4°14	4° 0	27° 1	28°29	M19
T 20	19 54 10	28° 4'01	20°43	9° 3	13° 5	2°42	23°55	13°20	4°11	19°45	22°55	4°13	3°57	27° 7	28°26	T 20
W21	19 58 7	29° 1'17	4 ^{II} 50	10°33	13°56	3°22	24° 8	13°26	4°11	19°47	22°55	4°13	3°53	27°14	28°24	W21
T 22	20 2 3	29°58'34	18°56	12° 7	14°47	4° 3	24°20	13°32	4°12	19°49	22°54	4°13	3°50	27°20	28°21	T 22
F 23	20 6 0	0 ^{II} 55'52	3 ^{II} 0	13°44	15°40	4°43	24°33	13°38	4°12	19°50	22°53	4°11	3°47	27°27	28°18	F 23
S 24	20 9 56	1°53'11	16°59	15°26	16°32	5°23	24°45	13°45	4°13	19°52	22°53	4° 6	3°44	27°34	28°16	S 24
S 25	20 13 53	2°50'30	0 ^{II} 52	17°11	17°26	6° 3	24°57	13°51	4°13	19°54	22°52	3°59	3°41	27°40	28°13	S 25
M26	20 17 50	3°47'51	14°56	18°59	18°20	6°44	25°10	13°56	4°14	19°56	22°51	3°49	3°38	27°47	28°10	M26
T 27	20 21 46	4°45'12	28° 8	20°50	19°14	7°24	25°22	14° 2	4°15	19°57	22°51	3°37	3°34	27°54	28° 8	T 27
W28	20 25 43	5°42'34	11 ^{II} 25	22°45	20° 9	8° 4	25°34	14° 8	4°16	19°59	22°50	3°25	3°31	28° 0	28° 5	W28
T 29	20 29 39	6°39'56	24°25	24°42	21° 4	8°44	25°46	14°14	4°17	20° 1	22°49	3°13	3°28	28° 7	28° 2	T 29
F 30	20 33 36	7°37'19	7 ^{II} 7	26°41	22° 0	9°24	25°58	14°20	4°18	20° 2	22°48	3° 2	3°25	28°14	27°59	F 30
S 31	20 37 32	8 ^{II} 34'43	19 ^{II} 32	28 ^{II} 41	22 ^{II} 57	10 ^{II} 4	26 ^{II} 10	14 ^{II} 25	4 ^{II} 19	20 ^{II} 4	22 ^{II} 47	2 ^{II} 54	3 ^{II} 22	28 ^{II} 20	27 ^{II} 57	S 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
T 1	23n 4	20n45 4n59	18n47 4s35	16n16 3s54	23n21 0n19	22n34 0s28	20n30 1s38	12s28 0n29	21n36 1s23	16s37 15s 8	13n29 13n10	8s51 5s41	6n30		
F 2	22 59	16 11 4 40	18 51 4 31	16 20 3 56	23 25 0 20	22 35 0 28	20 31 1 38	12 28 0 29	21 37 1 23	16 38 15 9	13 27 13 9	8 54 5 42	6 30		
S 3	22 54	11 3 4 7	18 56 4 26	16 25 3 58	23 29 0 21	22 36 0 28	20 32 1 38	12 28 0 29	21 37 1 23	16 38 15 9	13 25 13 8	8 58 5 42	6 30		
S 4	22 49	5 36 3 24	19 2 4 19	16 31 4 0	23 32 0 21	22 37 0 28	20 33 1 38	12 28 0 29	21 37 1 23	16 39 15 9	13 23 13 7	9 1 5 42	6 31		
M 5	22 43	0 3 2 32	19 10 4 12	16 37 4 1	23 35 0 22	22 38 0 28	20 34 1 38	12 27 0 29	21 37 1 23	16 39 15 10	13 23 13 6	9 4 5 43	6 31		
T 6	22 37	5s27 1 34	19 19 4 4	16 43 4 2	23 38 0 23	22 39 0 28	20 35 1 38	12 27 0 29	21 37 1 23	16 40 15 10	13 23 13 5	9 7 5 43	6 31		
W 7	22 31	10 45 0 33	19 29 3 55	16 49 4 3	23 41 0 23	22 40 0 28	20 35 1 38	12 27 0 29	21 37 1 23	16 40 15 11	13 23 13 4	9 11 5 44	6 31		
T 8	22 24	15 41 0s30	19 39 3 45	16 56 4 4	23 43 0 24	22 41 0 28	20 36 1 38	12 27 0 28	21 38 1 23	16 40 15 11	13 23 13 3	9 14 5 44	6 32		
F 9	22 17	20 4 1 32	19 50 3 34	17 3 4 4	23 45 0 24	22 42 0 28	20 37 1 38	12 27 0 28	21 38 1 23	16 41 15 11	13 22 13 2	9 17 5 44	6 32		
S 10	22 9	23 41 2 31	20 2 3 23	17 10 4 5	23 47 0 25	22 43 0 28	20 38 1 38	12 27 0 28	21 38 1 23	16 41 15 12	13 21 13 1	9 20 5 45	6 32		
S 11	22 1	26 16 3 24	20 15 3 11	17 17 4 5	23 49 0 26	22 44 0 28	20 39 1 38	12 27 0 28	21 38 1 23	16 42 15 12	13 19 12 59	9 23 5 45	6 32		
M12	21 53	27 34 4 8	20 27 2 59	17 25 4 4	23 51 0 26	22 45 0 28	20 40 1 38	12 27 0 28	21 38 1 23	16 42 15 12	13 16 12 58	9 27 5 46	6 32		
T 13	21 44	27 23 4 40	20 40 2 46	17 32 4 4	23 52 0 27	22 46 0 27	20 41 1 38	12 27 0 28	21 38 1 23	16 43 15 13	13 13 12 57	9 30 5 47	6 33		
W14	21 35	25 38 4 58	20 52 2 33	17 40 4 4	23 53 0 28	22 46 0 27	20 41 1 38	12 27 0 28	21 38 1 23	16 43 15 13	13 9 12 56	9 33 5 47	6 33		
T 15	21 25	22 23 4 59	21 5 2 20	17 48 4 3	23 54 0 28	22 47 0 27	20 42 1 38	12 27 0 28	21 39 1 23	16 44 15 13	13 5 12 55	9 36 5 48	6 33		
F 16	21 16	17 50 4 43	21 17 2 6	17 56 4 2	23 55 0 29	22 48 0 27	20 43 1 38	12 28 0 28	21 39 1 23	16 44 15 14	13 1 12 54	9 39 5 48	6 33		
S 17	21 5	12 18 4 10	21 28 1 52	18 3 4 1	23 55 0 30	22 49 0 27	20 44 1 38	12 28 0 28	21 39 1 23	16 45 15 14	12 59 12 53	9 43 5 49	6 33		
S 18	20 55	6 5 3 22	21 39 1 39	18 11 4 0	23 56 0 30	22 49 0 27	20 44 1 38	12 28 0 28	21 39 1 23	16 45 15 14	12 57 12 52	9 46 5 50	6 34		
M19	20 44	0n27 2 21	21 48 1 25	18 19 3 58	23 56 0 31	22 50 0 27	20 45 1 38	12 28 0 28	21 39 1 23	16 46 15 15	12 56 12 51	9 49 5 50	6 34		
T 20	20 33	6 59 1 11	21 57 1 11	18 27 3 57	23 56 0 31	22 51 0 27	20 46 1 38	12 28 0 28	21 39 1 23	16 46 15 15	12 55 12 50	9 52 5 51	6 34		
W21	20 21	13 11 0n 3	22 4 0 57	18 34 3 55	23 55 0 32	22 51 0 27	20 47 1 39	12 28 0 28	21 39 1 23	16 47 15 15	12 55 12 49	9 56 5 52	6 34		
T 22	20 9	18 41 1 17	22 10 0 44	18 42 3 53	23 55 0 33	22 52 0 27	20 47 1 39	12 28 0 28	21 39 1 23	16 48 15 16	12 55 12 48	9 59 5 52	6 34		
F 23	19 57	23 8 2 26	22 13 0 30	18 50 3 51	23 54 0 33	22 52 0 27	20 48 1 39	12 29 0 28	21 40 1 23	16 48 15 16	12 55 12 47	10 2 5 53	6 34		
S 24	19 44	26 12 3 25	22 15 0 17	18 57 3 49	23 53 0 34	22 53 0 27	20 49 1 39	12 29 0 28	21 40 1 23	16 49 15 16	12 53 12 45	10 5 5 54	6 35		
S 25	19 31	27 38 4 12	22 15 0 5	19 4 3 47	23 52 0 35	22 53 0 27	20 49 1 39	12 29 0 28	21 40 1 23	16 49 15 16	12 51 12 44	10 8 5 54	6 35		
M26	19 18	27 20 4 44	22 13 0n 8	19 11 3 45	23 51 0 35	22 54 0 27	20 50 1 39	12 29 0 28	21 40 1 23	16 50 15 17	12 47 12 43	10 12 5 55	6 35		
T 27	19 4	25 25 4 59	22 8 0 19	19 18 3 42	23 49 0 36	22 54 0 27	20 51 1 39	12 30 0 28	21 40 1 24	16 50 15 17	12 43 12 42	10 15 5 56	6 35		
W28	18 50	22 7 4 57	22 1 0 30	19 25 3 40	23 48 0 36	22 55 0 27	20 51 1 39	12 30 0 28	21 40 1 24	16 51 15 17	12 39 12 41	10 18 5 57	6 35		
T 29	18 36	17 47 4 40	21 51 0 41	19 31 3 37	23 46 0 37	22 55 0 27	20 52 1 39	12 30 0 28	21 40 1 24	16 51 15 18	12 35 12 40	10 21 5 58	6 35		
F 30	18 22	12 45 4 10	21 38 0 50	19 37 3 35	23 44 0 38	22 56 0 27	20 52 1 39	12 31 0 28	21 40 1 24	16 52 15 18	12 31 12 39	10 24 5 59	6 35		
S 31	18n 7	7n19 3n27	21n23 0n59	19n43 3s32	23n41 0n38	22n56 0s26	20n53 1s39	12s31 0n28	21n40 1s24	16s53 15s18	12n28 12n38	10s28 5s59	6n35		

ASTRODIENST EPHEMERIS for the year 2060

geocentric

AUGUST 2060

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 41 29	9♌32°07	1♌42	0♌44	23♌54	10♌44	26♌22	14♌31	4♌20	20♌6	22°R47	2°R48	3♌19	28♌27	27°R54	S 1
M 2	20 45 25	10°29'32	13°40	2°47	24°51	11°24	26°34	14°36	4°21	20° 7	22°K46	2♌45	3°15	28°34	27°R51	M 2
T 3	20 49 22	11°26'58	25°30	4°52	25°49	12° 4	26°46	14°42	4°22	20° 9	22°45	2°44	3°12	28°40	27°48	T 3
W 4	20 53 19	12°24'24	7♌18	6°57	26°47	12°43	26°57	14°47	4°23	20°10	22°44	2°43	3° 9	28°47	27°45	W 4
T 5	20 57 15	13°21'51	19° 9	9° 2	27°45	13°23	27° 9	14°52	4°24	20°12	22°43	2°43	3° 6	28°53	27°42	T 5
F 6	21 1 12	14°19'19	1♌8	11° 7	28°44	14° 3	27°20	14°58	4°25	20°13	22°42	2°42	3° 3	29° 0	27°39	F 6
S 7	21 5 8	15°16'47	13°21	13°12	29°43	14°42	27°32	15° 3	4°27	20°15	22°41	2°39	2°59	29° 7	27°36	S 7
S 8	21 9 5	16°14'16	25°52	15°16	0♌43	15°22	27°43	15° 8	4°28	20°16	22°40	2°34	2°56	29°13	27°33	S 8
M 9	21 13 1	17°11'46	8♌44	17°19	1°43	16° 1	27°54	15°13	4°30	20°18	22°39	2°26	2°53	29°20	27°30	M 9
T 10	21 16 58	18° 9'17	22° 0	19°22	2°43	16°41	28° 6	15°18	4°31	20°19	22°38	2°17	2°50	29°27	27°27	T 10
W11	21 20 54	19° 6'49	5♌38	21°23	3°44	17°20	28°17	15°23	4°33	20°20	22°38	2° 6	2°47	29°33	27°24	W11
T 12	21 24 51	20° 4'22	19°36	23°24	4°45	17°59	28°28	15°27	4°34	20°22	22°37	1°55	2°44	29°40	27°21	T 12
F 13	21 28 48	21° 1'56	3♌50	25°23	5°46	18°39	28°39	15°32	4°36	20°23	22°36	1°45	2°40	29°47	27°18	F 13
S 14	21 32 44	21°59'32	18°15	27°21	6°48	19°18	28°49	15°37	4°38	20°24	22°35	1°37	2°37	29°53	27°15	S 14
S 15	21 36 41	22°57'08	2♌44	29°18	7°50	19°57	29° 0	15°41	4°39	20°26	22°33	1°31	2°34	29°59	27°12	S 15
M16	21 40 37	23°54'46	17°11	1♌13	8°52	20°36	29°11	15°46	4°41	20°27	22°32	1°29	2°31	0♌7	27° 9	M16
T 17	21 44 34	24°52'26	1♌33	3° 7	9°55	21°15	29°21	15°50	4°43	20°28	22°31	1°D28	2°28	0°13	27° 6	T 17
W18	21 48 30	25°50'07	15°47	4°59	10°58	21°54	29°32	15°54	4°45	20°29	22°30	1°28	2°24	0°20	27° 3	W18
T 19	21 52 27	26°47'49	29°51	6°50	12° 1	22°33	29°42	15°58	4°47	20°30	22°29	1°R28	2°21	0°27	27° 0	T 19
F 20	21 56 23	27°45'34	13♌44	8°40	13° 4	23°12	29°52	16° 3	4°49	20°31	22°28	1°27	2°18	0°33	26°57	F 20
S 21	22 0 20	28°43'20	27°27	10°28	14° 8	23°51	0♌2	16° 7	4°51	20°33	22°27	1°24	2°15	0°40	26°54	S 21
S 22	22 4 17	29°41'08	10♌59	12°15	15°12	24°30	0°12	16°10	4°53	20°34	22°26	1°18	2°12	0°46	26°51	S 22
M23	22 8 13	0♌38'58	24°20	14° 0	16°16	25° 9	0°22	16°14	4°55	20°35	22°25	1°11	2° 9	0°53	26°48	M23
T 24	22 12 10	1°36'49	7♌28	15°44	17°21	25°47	0°32	16°18	4°57	20°36	22°24	1° 1	2° 5	1° 0	26°45	T 24
W25	22 16 6	2°34'41	20°23	17°27	18°25	26°26	0°42	16°22	4°59	20°37	22°23	0°51	2° 2	1° 6	26°42	W25
T 26	22 20 3	3°32'35	3♌5	19° 8	19°30	27° 5	0°51	16°25	5° 1	20°37	22°21	0°40	1°59	1°13	26°39	T 26
F 27	22 23 59	4°30'31	15°33	20°48	20°35	27°43	1° 1	16°29	5° 3	20°38	22°20	0°32	1°56	1°20	26°36	F 27
S 28	22 27 56	5°28'27	27°48	22°27	21°41	28°22	1°10	16°32	5° 6	20°39	22°19	0°25	1°53	1°26	26°33	S 28
S 29	22 31 52	6°26'26	9♌51	24° 4	22°46	29° 0	1°20	16°35	5° 8	20°40	22°18	0°20	1°50	1°33	26°30	S 29
M30	22 35 49	7°24'26	21°45	25°40	23°52	29°38	1°29	16°39	5°10	20°41	22°17	0°18	1°46	1°40	26°27	M30
T 31	22 39 45	8♌22'27	3♌34	27♌15	24♌58	0♌17	1♌38	16♌42	5♌13	20♌42	22♌16	0°D18	1♌43	1♌46	26°24	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	17n52	1n43	2n37	21n 5	1n 8	19n49	3s29	23n39	0n39	22n57	0s26	20n54	1s39	12s31	0n28	21n40
M 2	17 36	3s52	1 39	20 45	1 15	19 54	3 26	23 36	0 40	22 57	0 26	20 54	1 39	12 32	0 28	21 41
T 3	17 21	9 16	0 38	20 22	1 22	20 0	3 23	23 33	0 40	22 57	0 26	20 55	1 39	12 32	0 28	21 41
W 4	17 5	14 20	0s24	19 57	1 28	20 4	3 19	23 30	0 41	22 58	0 26	20 55	1 39	12 33	0 28	21 41
T 5	16 48	18 53	1 26	19 29	1 33	20 9	3 16	23 27	0 41	22 58	0 26	20 56	1 40	12 33	0 28	21 41
F 6	16 32	22 45	2 25	18 59	1 37	20 13	3 13	23 23	0 42	22 58	0 26	20 56	1 40	12 34	0 28	21 41
S 7	16 15	25 40	3 18	18 27	1 40	20 17	3 9	23 20	0 43	22 58	0 26	20 57	1 40	12 34	0 27	21 41
S 8	15 58	27 25	4 3	17 53	1 43	20 20	3 6	23 16	0 43	22 59	0 26	20 57	1 40	12 35	0 27	21 41
M 9	15 41	27 45	4 37	17 18	1 44	20 23	3 2	23 12	0 44	22 59	0 26	20 58	1 40	12 35	0 27	21 41
T 10	15 23	26 31	4 57	16 41	1 45	20 26	2 58	23 8	0 44	22 59	0 26	20 58	1 40	12 36	0 27	21 41
W11	15 5	23 43	5 1	16 2	1 46	20 28	2 55	23 3	0 45	22 59	0 26	20 58	1 40	12 36	0 27	21 41
T 12	14 47	19 29	4 48	15 23	1 45	20 30	2 51	22 59	0 46	23 0	0 26	20 59	1 40	12 37	0 27	21 41
F 13	14 29	14 5	4 16	14 42	1 45	20 31	2 47	22 54	0 46	23 0	0 26	20 59	1 40	12 37	0 27	21 41
S 14	14 10	7 50	3 28	14 0	1 43	20 32	2 43	22 49	0 47	23 0	0 26	21 0	1 40	12 38	0 27	21 41
S 15	13 52	1 9	2 27	13 17	1 41	20 33	2 39	22 44	0 48	23 0	0 26	21 0	1 40	12 39	0 27	21 41
M16	13 34	5n35	1 15	12 34	1 38	20 33	2 35	22 39	0 48	23 0	0 26	21 0	1 41	12 39	0 27	21 41
T 17	13 14	12 1	0n 0	11 50	1 35	20 33	2 31	22 33	0 49	23 0	0 26	21 1	1 41	12 40	0 27	21 42
W18	12 54	17 46	1 16	11 6	1 31	20 32	2 27	22 28	0 49	23 0	0 26	21 1	1 41	12 40	0 27	21 42
T 19	12 35	22 29	2 25	10 21	1 27	20 31	2 23	22 22	0 50	23 0	0 26	21 1	1 41	12 41	0 27	21 42
F 20	12 15	25 51	3 25	9 36	1 23	20 29	2 19	22 16	0 51	23 0	0 26	21 2	1 41	12 42	0 27	21 42
S 21	11 55	27 37	4 13	8 50	1 18	20 27	2 15	22 10	0 51	23 0	0 26	21 2	1 41	12 42	0 27	21 42
S 22	11 35	27 43	4 46	8 5	1 12	20 24	2 11	22 4	0 52	23 0	0 26	21 2	1 41	12 43	0 27	21 42
M23	11 14	26 12	5 2	7 19	1 7	20 21	2 7	21 58	0 52	23 1	0 25	21 3	1 41	12 44	0 27	21 42
T 24	10 54	23 16	5 2	6 34	1 1	20 17	2 2	21 51	0 53	23 1	0 25	21 3	1 41	12 45	0 27	21 42
W25	10 33	19 13	4 47	5 48	0 55	20 13	1 58	21 44	0 54	23 1	0 25	21 3	1 41	12 45	0 27	21 42
T 26	10 12	14 22	4 18	5 2	0 48	20 8	1 54	21 37	0 54	23 0	0 25	21 3	1 42	12 46	0 27	21 42
F 27	9 51	9 1	3 36	4 17	0 42	20 3	1 50	21 30	0 55	23 0	0 25	21 4	1 42	12 47	0 27	21 42
S 28	9 30	3 24	2 45	3 32	0 35	19 57	1 45	21 23	0 55	23 0	0 25	21 4	1 42	12 48	0 27	21 42
S 29	9 9	2s15	1 48	2 47	0 27	19 51	1 41	21 16	0 56	23 0	0 25	21 4	1 42	12 49	0 27	21 42
M30	8 47	7 46	0 46	2 2	0 20	19 44	1 37	21 9	0 57	23 0	0 25	21 4	1 42	12 49	0 27	21 42
T 31	8n26	12s59	0s18	1n17	0n13	19n37	1s32	21n 1	0n57	23n 0	0s25	21n 5	1s42	12s50	0n27	21n42

Julian Day Number = 2473672.5, Delta T = 77.83 sec
 Ecliptic obliquity = 23°26'01, Nutation = - 0°00'08, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°35'12, Lahiri = 24°42'12

ASTRODIENST EPHEMERIS for the year 2060
geocentric

SEPTEMBER 2060

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 43 42	9 ^h 20'29"	15 ^m 20	28 ^m 48	26 ^s 4	0 ^h 55	1 ^h 57	16 ^h 45	5 ^m 15	20 ^h 42	22 ^h R14	0 ^h 818	1 ^h 840	1 ^m 53	26 ^h R21	W 1
T 2	22 47 39	10 ^h 18'33"	27 ^h 10	0 ^h 20	27 ^h 10	1 ^h 33	1 ^h 55	16 ^h 47	5 ^h 18	20 ^h 43	22 ^h K13	0 ^h 20	1 ^h 37	2 ^h 0	26 ^h 18	T 2
F 3	22 51 35	11 ^h 16'39"	9 ^h 8	1 ^h 51	28 ^h 17	2 ^h 12	2 ^h 4	16 ^h 50	5 ^h 20	20 ^h 44	22 ^h 12	0 ^h R20	1 ^h 34	2 ^h 6	26 ^h 15	F 3
S 4	22 55 32	12 ^h 14'46"	21 ^h 20	3 ^h 21	29 ^h 23	2 ^h 50	2 ^h 12	16 ^h 53	5 ^h 23	20 ^h 44	22 ^h 11	0 ^h 20	1 ^h 30	2 ^h 13	26 ^h 12	S 4
S 5	22 59 28	13 ^h 12'54"	3 ^h 51	4 ^h 49	0 ^h 30	3 ^h 28	2 ^h 21	16 ^h 56	5 ^h 26	20 ^h 45	22 ^h 10	0 ^h 18	1 ^h 27	2 ^h 19	26 ^h 10	S 5
M 6	23 3 25	14 ^h 11'04"	16 ^h 44	6 ^h 16	1 ^h 37	4 ^h 6	2 ^h 29	16 ^h 58	5 ^h 28	20 ^h 46	22 ^h 8	0 ^h 14	1 ^h 24	2 ^h 26	26 ^h 7	M 6
T 7	23 7 21	15 ^h 9'15"	0 ^h 3	7 ^h 42	2 ^h 45	4 ^h 44	2 ^h 37	17 ^h 0	5 ^h 31	20 ^h 46	22 ^h 7	0 ^h 8	1 ^h 21	2 ^h 33	26 ^h 4	T 7
W 8	23 11 18	16 ^h 7'28"	13 ^h 48	9 ^h 6	3 ^h 52	5 ^h 22	2 ^h 45	17 ^h 3	5 ^h 34	20 ^h 47	22 ^h 6	0 ^h 1	1 ^h 18	2 ^h 39	26 ^h 1	W 8
T 9	23 15 15	17 ^h 5'43"	27 ^h 58	10 ^h 29	5 ^h 0	5 ^h 59	2 ^h 53	17 ^h 5	5 ^h 36	20 ^h 47	22 ^h 5	29 ^h Y55	1 ^h 15	2 ^h 46	25 ^h 58	T 9
F 10	23 19 11	18 ^h 3'58"	12 ^h K30	11 ^h 51	6 ^h 8	6 ^h 37	3 ^h 1	17 ^h 7	5 ^h 39	20 ^h 48	22 ^h 4	29 ^h 48	1 ^h 11	2 ^h 53	25 ^h 56	F 10
S 11	23 23 8	19 ^h 2'16"	27 ^h 15	13 ^h 11	7 ^h 16	7 ^h 15	3 ^h 8	17 ^h 9	5 ^h 42	20 ^h 48	22 ^h 2	29 ^h 43	1 ^h 8	2 ^h 59	25 ^h 53	S 11
S 12	23 27 4	20 ^h 0'36"	12 ^h Y8	14 ^h 30	8 ^h 24	7 ^h 53	3 ^h 16	17 ^h 11	5 ^h 45	20 ^h 48	22 ^h 1	29 ^h 40	1 ^h 5	3 ^h 6	25 ^h 50	S 12
M13	23 31 1	20 ^h 58'57"	26 ^h 59	15 ^h 47	9 ^h 32	8 ^h 30	3 ^h 23	17 ^h 13	5 ^h 48	20 ^h 49	22 ^h 0	29 ^h D39	1 ^h 2	3 ^h 13	25 ^h 47	M13
T 14	23 34 57	21 ^h 57'21"	11 ^h 842	17 ^h 3	10 ^h 40	9 ^h 8	3 ^h 30	17 ^h 14	5 ^h 51	20 ^h 49	21 ^h 59	29 ^h 40	0 ^h 59	3 ^h 19	25 ^h 45	T 14
W15	23 38 54	22 ^h 55'46"	26 ^h 12	18 ^h 17	11 ^h 49	9 ^h 46	3 ^h 37	17 ^h 16	5 ^h 54	20 ^h 49	21 ^h 57	29 ^h 41	0 ^h 56	3 ^h 26	25 ^h 42	W15
T 16	23 42 50	23 ^h 54'14"	10 ^h II25	19 ^h 29	12 ^h 58	10 ^h 23	3 ^h 44	17 ^h 17	5 ^h 57	20 ^h 50	21 ^h 56	29 ^h 42	0 ^h 52	3 ^h 33	25 ^h 40	T 16
F 17	23 46 47	24 ^h 52'44"	24 ^h 20	20 ^h 39	14 ^h 7	11 ^h 0	3 ^h 50	17 ^h 19	6 ^h 0	20 ^h 50	21 ^h 55	29 ^h R43	0 ^h 49	3 ^h 39	25 ^h 37	F 17
S 18	23 50 43	25 ^h 51'17"	7 ^h 57	21 ^h 48	15 ^h 16	11 ^h 38	3 ^h 57	17 ^h 20	6 ^h 3	20 ^h 50	21 ^h 54	29 ^h 42	0 ^h 46	3 ^h 46	25 ^h 35	S 18
S 19	23 54 40	26 ^h 49'51"	21 ^h 17	22 ^h 54	16 ^h 25	12 ^h 15	4 ^h 3	17 ^h 21	6 ^h 6	20 ^h 50	21 ^h 53	29 ^h 40	0 ^h 43	3 ^h 52	25 ^h 32	S 19
M20	23 58 37	27 ^h 48'28"	4 ^h 21	23 ^h 59	17 ^h 34	12 ^h 52	4 ^h 10	17 ^h 22	6 ^h 9	20 ^h 50	21 ^h 51	29 ^h 37	0 ^h 40	3 ^h 59	25 ^h 30	M20
T 21	0 2 33	28 ^h 47'07"	17 ^h 10	25 ^h 1	18 ^h 44	13 ^h 30	4 ^h 16	17 ^h 23	6 ^h 12	20 ^h 50	21 ^h 50	29 ^h 32	0 ^h 36	4 ^h 6	25 ^h 27	T 21
W22	0 6 30	29 ^h 45'47"	29 ^h 46	26 ^h 1	19 ^h 54	14 ^h 7	4 ^h 22	17 ^h 24	6 ^h 15	20 ^h 51	21 ^h 49	29 ^h 27	0 ^h 33	4 ^h 12	25 ^h 25	W22
T 23	0 10 26	0 ^h 44'30"	12 ^h 9	26 ^h 58	21 ^h 3	14 ^h 44	4 ^h 27	17 ^h 24	6 ^h 19	20 ^h R51	21 ^h 48	29 ^h 22	0 ^h 30	4 ^h 19	25 ^h 23	T 23
F 24	0 14 23	1 ^h 43'15"	24 ^h 22	27 ^h 52	22 ^h 13	15 ^h 21	4 ^h 33	17 ^h 25	6 ^h 22	20 ^h 50	21 ^h 47	29 ^h 18	0 ^h 27	4 ^h 26	25 ^h 20	F 24
S 25	0 18 19	2 ^h 42'02"	6 ^h 25	28 ^h 43	23 ^h 23	15 ^h 58	4 ^h 38	17 ^h 26	6 ^h 25	20 ^h 50	21 ^h 45	29 ^h 14	0 ^h 24	4 ^h 32	25 ^h 18	S 25
S 26	0 22 16	3 ^h 40'51"	18 ^h 21	29 ^h 31	24 ^h 33	16 ^h 35	4 ^h 44	17 ^h 26	6 ^h 28	20 ^h 50	21 ^h 44	29 ^h 13	0 ^h 21	4 ^h 39	25 ^h 16	S 26
M27	0 26 12	4 ^h 39'42"	0 ^h 11	0 ^h 16	25 ^h 44	17 ^h 12	4 ^h 49	17 ^h 26	6 ^h 32	20 ^h 50	21 ^h 43	29 ^h D12	0 ^h 17	4 ^h 46	25 ^h 14	M27
T 28	0 30 9	5 ^h 38'35"	11 ^h 57	0 ^h 56	26 ^h 54	17 ^h 48	4 ^h 53	17 ^h 26	6 ^h 35	20 ^h 50	21 ^h 42	29 ^h 13	0 ^h 14	4 ^h 52	25 ^h 12	T 28
W29	0 34 6	6 ^h 37'29"	23 ^h 44	1 ^h 33	28 ^h 5	18 ^h 25	4 ^h 58	17 ^h R26	6 ^h 39	20 ^h 50	21 ^h 41	29 ^h 14	0 ^h 11	4 ^h 59	25 ^h 10	W29
T 30	0 38 2	7 ^h 36'26"	5 ^h 34	2 ^h 5	29 ^h 15	19 ^h 2	5 ^h 3	17 ^h II26	6 ^h 42	20 ^h II50	21 ^h K39	29 ^h Y16	0 ^h 8	5 ^h 6	25 ^h 8	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	
W 1	8n 4	17s43	1s20	0n33	0n 5	19n29	1s28	20n53	0n58	23n 0	0s25	21n 5	1s42	12s51	0n27	21n42	1s25	17s11	15s24	11n35	12n 3	12s 9	6s32	6n35
T 2	7 42	21 48	2 20	0s11	0s 3	19 21	1 24	20 45	0 58	23 0	0 25	21 5	1 42	12 52	0 27	21 42	1 25	17 12	15 24	11 35	12 2	12 12	6 33	6 34
F 3	7 20	25 1	3 14	0 54	0 11	19 12	1 19	20 37	0 59	23 0	0 25	21 5	1 42	12 53	0 27	21 42	1 25	17 12	15 25	11 35	12 1	12 15	6 34	6 34
S 4	6 58	27 9	4 1	1 37	0 19	19 3	1 15	20 29	1 0	23 0	0 25	21 5	1 43	12 54	0 27	21 42	1 25	17 13	15 25	11 35	12 0	12 18	6 35	6 34
S 5	6 36	28 0	4 37	2 20	0 27	18 53	1 11	20 21	1 0	23 0	0 25	21 5	1 43	12 55	0 27	21 42	1 25	17 14	15 25	11 34	11 59	12 21	6 37	6 34
M 6	6 13	27 21	5 1	3 2	0 35	18 43	1 7	20 13	1 1	23 0	0 25	21 5	1 43	12 55	0 27	21 42	1 25	17 14	15 25	11 33	11 58	12 24	6 38	6 34
T 7	5 51	25 10	5 9	3 43	0 43	18 32	1 2	20 4	1 1	23 0	0 25	21 6	1 43	12 56	0 27	21 42	1 25	17 15	15 25	11 31	11 56	12 27	6 39	6 34
W 8	5 28	21 28	5 0	4 24	0 52	18 20	0 58	19 56	1 2	22 59	0 25	21 6	1 43	12 57	0 27	21 42	1 25	17 15	15 25	11 29	11 55	12 30	6 40	6 33
T 9	5 6	16 27	4 33	5 4	1 0	18 9	0 54	19 47	1 3	22 59	0 25	21 6	1 43	12 58	0 27	21 42	1 25	17 16	15 25	11 26	11 54	12 34	6 41	6 33
F 10	4 43	10 23	3 48	5 44	1 8	17 56	0 50	19 38	1 3	22 59	0 25	21 6	1 43	12 59	0 27	21 42	1 25	17 16	15 25	11 24	11 53	12 37	6 42	6 33
S 11	4 20	3 39	2 47	6 23	1 17	17 43	0 45	19 29	1 4	22 59	0 25	21 6	1 43	13 0	0 26	21 42	1 25	17 17	15 25	11 22	11 52	12 40	6 43	6 33
S 12	3 57	3n21	1 34	7 1	1 25	17 30	0 41	19 20	1 4	22 59	0 25	21 6	1 43	13 1	0 26	21 42	1 25	17 17	15 25	11 21	11 51	12 43	6 44	6 33
M13	3 34	10 10	0 15	7 39	1 33	17 16	0 37	19 11	1 5	22 59	0 25	21 6	1 44	13 2	0 26	21 42	1 25	17 18	15 25	11 21	11 50	12 46	6 45	6 32
T 14	3 11	16 23	1n 5	8 15	1 42	17 2	0 33	19 1	1 6	22 59	0 25	21 6	1 44	13 3	0 26	21 42	1 25	17 18	15 25	11 21	11 49	12 49	6 46	6 32
W15	2 48	21 34	2 20	8 51	1 50	16 47	0 29	18 52	1 6	22 58	0 25	21 6	1 44	13 4	0 26	21 42	1 25	17 19	15 25	11 21	11 48	12 52	6 48	6 32
T 16	2 25	25 22	3 24	9 26	1 58	16 31	0 25	18 42	1 7	22 58	0 25	21 6	1 44	13 5	0 26	21 42	1 25	17 19	15 25	11 22	11 46	12 55	6 49	6 32
F 17	2 2	27 34	4 15	10 0	2 6	16 15	0 21	18 33	1 7	22 58	0 25	21 6	1 44	13 6	0 26	21 42	1 25	17 20	15 25	11 22	11 45	12 58	6 50	6 31
S 18	1 39	28 1	4 50	10 33	2 14	15 59	0 17	18 23	1 8	22 58	0 24	21 6	1 44	13 7	0 26	21 42	1 25	17 20	15 25	11 22	11 44	13 1	6 51	6 31
S 19	1 16	26 50	5 9	11 6	2 21	15 42	0 13	18 13	1 9	22 58	0 24	21 6	1 44	13 8	0 26	21 42	1 25	17 21	15 25	11 21	11 43	13 4	6 52	6 31
M20	0 52	24 12	5 11	11 37	2 29	15 25	0 9	18 3	1 9	22 58	0 24	21 6	1 44	13 9	0 26	21 42	1 26	17 21	15 25	11 20	11 42	13 8	6 53	6 31
T 21	0 29	20 25	4 58	12 6	2 36	15 7	0 5	17 53	1 10	22 58	0 24	21 6	1 45	13 10	0 26	21 42	1 26	17 22	15 25	11 18	11 41	13 11	6 54	6 30
W22	0 6	15 46	4 30	12 35	2 43	14 49	0 1	17 43	1 10	22 57	0 24	21 6	1 45	13 11	0 26	21 42	1 26	17 22	15 25	11 16	11 40	13 14	6 55	6 30
T 23	0s18	10 32	3 50	13 2	2 50	14 31	0n 2	17 32	1 11	22 57	0 24	21 6	1 45	13 13	0 26	21 42	1 26	17 23	15 25	11 15	11 39	13 17	6 56	6 30
F 24	0 41	4 59	3 0	13 28	2 57	14 12	0 6	17 22	1 12	22 57	0 24	21 6	1 45	13 14	0 26	21 42	1 26	17 23	15 25	11 13	11 38	13 20	6 57	6 29
S 25	1 4	0s41	2 2	13 52	3 3	13 52	0 10	17 12	1 12	22 57	0 24	21 6	1 45	13 15	0 26	21 42	1 26	17 24	15 25	11 12	11 36	13 23	6 58	6 29
S 26	1 28	6 17	0 59	14 15	3 9	13 33	0 13	17 1	1 13	22 57	0 24	21 6	1 45	13 16	0 26	21 41	1 26	17 24	15 25	11 11	11 35	13 26	6 59	6 29
M27	1 51	11 37	0s 5	14 36	3 15	13 12	0 17	16 51	1 13	22 57	0 24	21 6	1 45	13 17	0 26	21 41	1 26	17 24	15 25	11 11	11 34	13 29	7 0	6 28
T 28	2 14	16 32	1 10	14 55	3 20	12 52	0 20	16 40	1 14	22 56	0 24	21 6	1 45	13 18	0 26	21 41	1 26	17 25	15 25	11 11	11 33	13 32	7 1	6 28
W29	2 38	20 49	2 11	15 12	3 24	12 31	0 24	16 29	1 15	22 56	0 24	21 5	1 45	13 19	0 26	21 41	1 26	17 25	15 25	11 12	11 32	13 35	7 2	6 28
T 30	3s 1	24s18	3s 8	15s27	3s28	12n 9	0n27	16n18	1n15	22n56	0s24	21n 5	1s46	13s20	0n26	21n41	1s26	17s26	15s25	11n13	11n31	13s38	7s 3	6n27

ASTRODIENST EPHEMERIS for the year 2060
geocentric

OCTOBER 2060

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 41 59	8♂35'24	17♂32	2♂32	0♂26	19♂38	5♂ 7	17°R26	6♂45	20°R49	21°R38	29°Y17	0♂ 5	5♂12	25°R 6	F 1
S 2	0 45 55	9°34'24	29°42	2°53	1°37	20°15	5°11	17°II26	6°49	20°II49	21°K37	29°18	0° 2	5°19	25°≈ 4	S 2
S 3	0 49 52	10°33'26	12♂ 9	3° 9	2°48	20°52	5°15	17°25	6°52	20°49	21°36	29°R19	29°Y58	5°25	25° 2	S 3
M 4	0 53 48	11°32'30	24°58	3°19	3°59	21°28	5°19	17°25	6°56	20°49	21°35	29°18	29°55	5°32	25° 0	M 4
T 5	0 57 45	12°31'35	8≈12	3°R22	5°10	22° 4	5°23	17°24	6°59	20°48	21°34	29°17	29°52	5°39	24°59	T 5
W 6	1 1 41	13°30'42	21°53	3°18	6°21	22°41	5°26	17°23	7° 3	20°48	21°33	29°15	29°49	5°45	24°57	W 6
T 7	1 5 38	14°29'51	6♂ 1	3° 6	7°33	23°17	5°30	17°23	7° 6	20°47	21°31	29°13	29°46	5°52	24°55	T 7
F 8	1 9 35	15°29'01	20°35	2°47	8°44	23°53	5°33	17°22	7°10	20°47	21°30	29°11	29°42	5°59	24°54	F 8
S 9	1 13 31	16°28'14	5°Y29	2°20	9°56	24°29	5°36	17°21	7°13	20°46	21°29	29°10	29°39	6° 5	24°52	S 9
S 10	1 17 28	17°27'28	20°35	1°44	11° 8	25° 5	5°38	17°19	7°17	20°46	21°28	29° 9	29°36	6°12	24°51	S 10
M11	1 21 24	18°26'45	5♂45	1° 1	12°19	25°41	5°41	17°18	7°21	20°45	21°27	29°D 9	29°33	6°19	24°49	M11
T 12	1 25 21	19°26'04	20°49	0° 9	13°31	26°17	5°43	17°17	7°24	20°45	21°26	29°10	29°30	6°25	24°48	T 12
W13	1 29 17	20°25'25	5°II39	29♂11	14°43	26°53	5°45	17°15	7°28	20°44	21°25	29°10	29°27	6°32	24°47	W13
T 14	1 33 14	21°24'48	20° 9	28° 7	15°55	27°28	5°47	17°14	7°31	20°43	21°24	29°11	29°23	6°39	24°45	T 14
F 15	1 37 10	22°24'14	4♂16	26°58	17° 8	28° 4	5°49	17°12	7°35	20°43	21°23	29°12	29°20	6°45	24°44	F 15
S 16	1 41 7	23°23'42	17°58	25°46	18°20	28°40	5°51	17°10	7°39	20°42	21°22	29°R12	29°17	6°52	24°43	S 16
S 17	1 45 4	24°23'12	1♂16	24°32	19°32	29°15	5°52	17° 8	7°42	20°41	21°21	29°12	29°14	6°59	24°42	S 17
M18	1 49 0	25°22'44	14°12	23°20	20°45	29°51	5°53	17° 6	7°46	20°40	21°20	29°12	29°11	7° 5	24°41	M18
T 19	1 52 57	26°22'19	26°50	22°10	21°57	0♂26	5°54	17° 4	7°50	20°39	21°19	29°11	29° 7	7°12	24°40	T 19
W20	1 56 53	27°21'56	9♂12	21° 6	23°10	1° 2	5°55	17° 2	7°54	20°39	21°18	29°11	29° 4	7°18	24°39	W20
T 21	2 0 50	28°21'35	21°22	20° 8	24°23	1°37	5°56	17° 0	7°57	20°38	21°17	29°11	29° 1	7°25	24°38	T 21
F 22	2 4 46	29°21'17	3♂23	19°19	25°36	2°12	5°56	16°57	8° 1	20°37	21°16	29°D11	28°58	7°32	24°37	F 22
S 23	2 8 43	0♂12'00	15°17	18°40	26°48	2°47	5°R56	16°55	8° 5	20°36	21°15	29°11	28°55	7°38	24°37	S 23
S 24	2 12 39	1°20'45	27° 6	18°11	28° 1	3°22	5°56	16°52	8° 8	20°35	21°14	29°R11	28°52	7°45	24°36	S 24
M25	2 16 36	2°20'33	8♂53	17°54	29°14	3°57	5°56	16°49	8°12	20°34	21°13	29°11	28°48	7°52	24°35	M25
T 26	2 20 33	3°20'22	20°41	17°D48	0♂28	4°32	5°56	16°47	8°16	20°33	21°13	29°11	28°45	7°58	24°35	T 26
W27	2 24 29	4°20'14	2♂30	17°54	1°41	5° 7	5°55	16°44	8°20	20°32	21°12	29°10	28°42	8° 5	24°34	W27
T 28	2 28 26	5°20'07	14°25	18°10	2°54	5°42	5°54	16°41	8°23	20°31	21°11	29° 9	28°39	8°12	24°34	T 28
F 29	2 32 22	6°20'02	26°27	18°36	4° 7	6°16	5°53	16°38	8°27	20°30	21°10	29° 8	28°36	8°18	24°34	F 29
S 30	2 36 19	7°19'59	8♂40	19°12	5°21	6°51	5°52	16°34	8°31	20°29	21° 9	29° 7	28°33	8°25	24°33	S 30
S 31	2 40 15	8♂19'57	21♂ 7	19♂56	6♂34	7♂25	5♂50	16°II31	8♂35	20°II27	21°K 8	29°Y 7	28°Y29	8♂32	24≈33	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	3s24	26s46	3s56	15s39	3s31	11n48	0n31	16n 7	1n16	22n56	0s24	21n 5	1s46	13s21	0n26	21n41	1s26	17s26	15s25	11n13	11n30	13s41	7s 4	6n27	
S 2	3 48	28 1	4 35	15 49	3 33	11 25	0 34	15 56	1 16	22 56	0 24	21 5	1 46	13 23	0 26	21 41	1 26	17 26	15 25	11 13	11 29	13 44	7 5	6 27	
S 3	4 11	27 54	5 2	15 56	3 35	11 3	0 37	15 45	1 17	22 56	0 24	21 5	1 46	13 24	0 26	21 41	1 26	17 27	15 25	11 14	11 28	13 47	7 6	6 26	
M 4	4 34	26 18	5 16	15 59	3 36	10 40	0 40	15 34	1 18	22 56	0 24	21 5	1 46	13 25	0 26	21 41	1 26	17 27	15 24	11 13	11 26	13 50	7 7	6 26	
T 5	4 57	23 14	5 13	16 0	3 35	10 17	0 43	15 23	1 18	22 56	0 24	21 5	1 46	13 26	0 26	21 41	1 26	17 27	15 24	11 13	11 25	13 53	7 8	6 26	
W 6	5 20	18 49	4 52	15 57	3 33	9 54	0 46	15 12	1 19	22 56	0 24	21 4	1 46	13 27	0 26	21 41	1 26	17 28	15 24	11 12	11 24	13 57	7 9	6 25	
T 7	5 43	13 14	4 14	15 50	3 30	9 30	0 49	15 0	1 19	22 55	0 24	21 4	1 46	13 28	0 26	21 41	1 26	17 28	15 24	11 12	11 23	14 0	7 9	6 25	
F 8	6 6	6 46	3 18	15 39	3 26	9 6	0 52	14 49	1 20	22 55	0 24	21 4	1 46	13 30	0 26	21 41	1 26	17 29	15 24	11 11	11 22	14 3	7 10	6 25	
S 9	6 28	0n13	2 8	15 24	3 20	8 41	0 55	14 37	1 21	22 55	0 24	21 4	1 47	13 31	0 26	21 41	1 26	17 29	15 24	11 11	11 21	14 6	7 11	6 24	
S 10	6 51	7 19	0 47	15 4	3 12	8 17	0 58	14 26	1 21	22 55	0 24	21 4	1 47	13 32	0 26	21 41	1 26	17 29	15 24	11 10	11 20	14 9	7 12	6 24	
M11	7 14	14 1	0n37	14 40	3 2	7 52	1 0	14 14	1 22	22 55	0 24	21 3	1 47	13 33	0 26	21 41	1 26	17 29	15 24	11 10	11 19	14 12	7 13	6 23	
T 12	7 36	19 51	1 57	14 11	2 51	7 27	1 3	14 3	1 22	22 55	0 24	21 3	1 47	13 34	0 26	21 40	1 26	17 30	15 23	11 10	11 18	14 15	7 14	6 23	
W13	7 59	24 21	3 9	13 38	2 38	7 1	1 5	13 51	1 23	22 55	0 23	21 3	1 47	13 35	0 26	21 40	1 26	17 30	15 23	11 11	11 16	14 18	7 14	6 23	
T 14	8 21	27 10	4 7	13 1	2 23	6 36	1 8	13 39	1 24	22 55	0 23	21 3	1 47	13 37	0 26	21 40	1 26	17 30	15 23	11 11	11 15	14 21	7 15	6 22	
F 15	8 43	28 10	4 48	12 21	2 6	6 10	1 10	13 27	1 24	22 55	0 23	21 2	1 47	13 38	0 26	21 40	1 27	17 31	15 23	11 11	11 14	14 24	7 16	6 22	
S 16	9 5	27 23	5 12	11 38	1 48	5 44	1 13	13 16	1 25	22 55	0 23	21 2	1 47	13 39	0 26	21 40	1 27	17 31	15 23	11 11	11 13	14 27	7 17	6 21	
S 17	9 27	25 2	5 18	10 53	1 29	5 17	1 15	13 4	1 25	22 55	0 23	21 2	1 47	13 40	0 26	21 40	1 27	17 31	15 23	11 11	11 12	14 30	7 17	6 21	
M18	9 49	21 27	5 7	10 7	1 8	4 51	1 17	12 52	1 26	22 55	0 23	21 2	1 47	13 41	0 26	21 40	1 27	17 31	15 22	11 11	11 11	14 33	7 18	6 21	
T 19	10 10	16 58	4 42	9 22	0 48	4 24	1 19	12 40	1 27	22 55	0 23	21 1	1 48	13 43	0 26	21 40	1 27	17 31	15 22	11 11	11 10	14 36	7 19	6 20	
W20	10 32	11 53	4 4	8 39	0 27	3 57	1 21	12 28	1 27	22 55	0 23	21 1	1 48	13 44	0 26	21 40	1 27	17 32	15 22	11 11	11 9	14 39	7 20	6 20	
T 21	10 53	6 25	3 15	7 58	0 7	3 30	1 23	12 16	1 28	22 55	0 23	21 1	1 48	13 45	0 26	21 40	1 27	17 32	15 22	11 11	11 7	14 42	7 20	6 19	
F 22	11 15	0 47	2 19	7 22	0n13	3 3	1 25	12 4	1 28	22 55	0 23	21 0	1 48	13 46	0 26	21 40	1 27	17 32	15 22	11 11	11 6	14 45	7 21	6 19	
S 23	11 36	4s50	1 17	6 50	0 31	2 35	1 26	11 52	1 29	22 55	0 23	21 0	1 48	13 48	0 26	21 39	1 27	17 32	15 21	11 11	11 5	14 48	7 22	6 19	
S 24	11 56	10 15	0 12	6 23	0 48	2 8	1 28	11 40	1 30	22 55	0 23	21 0	1 48	13 49	0 26	21 39	1 27	17 32	15 21	11 11	11 4	14 51	7 22	6 18	
M25	12 17	15 18	0s54	6 2	1 4	1 40	1 30	11 27	1 30	22 55	0 23	20 59	1 48	13 50	0 26	21 39	1 27	17 33	15 21	11 11	11 3	14 54	7 23	6 18	
T 26	12 38	19 48	1 57	5 47	1 18	1 13	1 31	11 15	1 31	22 55	0 23	20 59	1 48	13 51	0 26	21 39	1 27	17 33	15 21	11 11	11 2	14 57	7 23	6 17	
W27	12 58	23 31	2 55	5 38	1 30	0 45	1 32	11 3	1 31	22 55	0 23	20 59	1 48	13 52	0 26	21 39	1 27	17 33	15 21	11 11	11 1	15 0	7 24	6 17	
T 28	13 18	26 16	3 46	5 34	1 41	0 17	1 34	10 51	1 32	22 55	0 23	20 58	1 48	13 54	0 26	21 39	1 27	17 33	15 20	11 10	10 59	15 3	7 24	6 16	
F 29	13 38	27 50	4 27	5 36	1 49	0s11	1 35	10 39	1 33	22 56	0 23	20 58	1 48	13 55	0 26	21 39	1 27	17 33	15 20	11 10	10 58	15 6	7 25	6 16	
S 30	13 57	28 6	4 57	5 43	1 57	0 39	1 36	10 26	1 33	22 56	0 23	20 58	1 48	13 56	0 26	21 39	1 27	17 33	15 20	11 10	10 57	15 9	7 25	6 16	
S 31	14s17	26s57	5s14	5s54	2n 2	1s 7	1n37	10n14	1n34	22n56	0s23	20n57	1s48	13s57	0n26	21n39	1s27	17s33	15s20	11n 9	10n56	15s12	7s26	6n15	

ASTRODIENST EPHEMERIS for the year 2060
geocentric

NOVEMBER 2060

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	2 44 12	9♑19°58	3♊52	20♊48	7♋48	8♌0	5°R49	16°R28	8♍39	20°R26	21°R 8	29°D 6	28°Y26	8♎38	24°R33	M 1
T 2	2 48 8	10°19'59	16°58	21°47	9° 1	8°34	5♎47	16♑24	8°42	20♑25	21♒7	29°Y 6	28°23	8°45	24♊33	T 2
W 3	2 52 5	11°20'02	0♋28	22°52	10°15	9° 8	5°45	16°21	8°46	20°24	21° 6	29° 7	28°20	8°52	24°D33	W 3
T 4	2 56 2	12°20'07	14°24	24° 2	11°28	9°42	5°43	16°17	8°50	20°23	21° 6	29° 8	28°17	8°58	24°33	T 4
F 5	2 59 58	13°20'13	28°46	25°16	12°42	10°16	5°40	16°14	8°54	20°21	21° 5	29° 9	28°13	9° 5	24°33	F 5
S 6	3 3 55	14°20'21	13°Y32	26°34	13°56	10°50	5°38	16°10	8°57	20°20	21° 4	29°10	28°10	9°11	24°33	S 6
S 7	3 7 51	15°20'30	28°35	27°56	15°10	11°24	5°35	16° 6	9° 1	20°19	21° 4	29°R10	28° 7	9°18	24°33	S 7
M 8	3 11 48	16°20'42	13♌48	29°20	16°24	11°58	5°32	16° 2	9° 5	20°17	21° 3	29°10	28° 4	9°25	24°33	M 8
T 9	3 15 44	17°20'55	29° 1	0♍47	17°38	12°31	5°29	15°58	9° 9	20°16	21° 2	29° 8	28° 1	9°31	24°34	T 9
W10	3 19 41	18°21'09	14♑5	2°15	18°52	13° 5	5°25	15°54	9°12	20°15	21° 2	29° 6	27°58	9°38	24°34	W10
T 11	3 23 37	19°21'26	28°51	3°45	20° 6	13°38	5°22	15°50	9°16	20°13	21° 1	29° 4	27°54	9°45	24°35	T 11
F 12	3 27 34	20°21'45	13♎12	5°17	21°20	14°12	5°18	15°46	9°20	20°12	21° 1	29° 1	27°51	9°51	24°35	F 12
S 13	3 31 31	21°22'06	27° 5	6°49	22°34	14°45	5°14	15°42	9°23	20°11	21° 0	28°58	27°48	9°58	24°36	S 13
S 14	3 35 27	22°22'28	10♌30	8°22	23°48	15°18	5°10	15°38	9°27	20° 9	21° 0	28°57	27°45	10° 5	24°36	S 14
M15	3 39 24	23°22'53	23°28	9°56	25° 2	15°51	5° 5	15°33	9°31	20° 8	20°59	28°D56	27°42	10°11	24°37	M15
T 16	3 43 20	24°23'19	6♑4	11°30	26°17	16°24	5° 1	15°29	9°35	20° 6	20°59	28°57	27°39	10°18	24°38	T 16
W17	3 47 17	25°23'47	18°21	13° 5	27°31	16°57	4°56	15°24	9°38	20° 5	20°58	28°58	27°35	10°25	24°39	W17
T 18	3 51 13	26°24'17	0♊24	14°40	28°45	17°30	4°51	15°20	9°42	20° 3	20°58	29° 0	27°32	10°31	24°40	T 18
F 19	3 55 10	27°24'49	12°17	16°15	29°59	18° 2	4°46	15°15	9°46	20° 2	20°58	29° 2	27°29	10°38	24°41	F 19
S 20	3 59 6	28°25'22	24° 6	17°50	1♑14	18°35	4°41	15°11	9°49	20° 0	20°57	29°R 3	27°26	10°45	24°42	S 20
S 21	4 3 3	29°25'57	5♑52	19°26	2°29	19° 7	4°36	15° 6	9°53	19°58	20°57	29° 2	27°23	10°51	24°43	S 21
M22	4 7 0	0♋26°34	17°40	21° 1	3°43	19°39	4°30	15° 2	9°56	19°57	20°57	29° 1	27°19	10°58	24°44	M22
T 23	4 10 56	1°27'12	29°31	22°36	4°58	20°11	4°25	14°57	10° 0	19°55	20°56	28°57	27°16	11° 4	24°45	T 23
W24	4 14 53	2°27'52	11♋28	24°11	6°12	20°44	4°19	14°52	10° 3	19°54	20°56	28°53	27°13	11°11	24°46	W24
T 25	4 18 49	3°28'33	23°32	25°46	7°27	21°15	4°13	14°47	10° 7	19°52	20°56	28°46	27°10	11°18	24°48	T 25
F 26	4 22 46	4°29'16	5♎45	27°21	8°42	21°47	4° 7	14°43	10°11	19°51	20°56	28°40	27° 7	11°24	24°49	F 26
S 27	4 26 42	5°29'59	18° 7	28°56	9°56	22°19	4° 0	14°38	10°14	19°49	20°56	28°33	27° 4	11°31	24°50	S 27
S 28	4 30 39	6°30'44	0♊42	0♋31	11°11	22°50	3°54	14°33	10°18	19°47	20°55	28°27	27° 0	11°38	24°52	S 28
M29	4 34 35	7°31'30	13°31	2° 6	12°26	23°22	3°47	14°28	10°21	19°46	20°55	28°23	26°57	11°44	24°54	M29
T 30	4 38 32	8♋32°17	26♊36	3♋40	13♑41	23♑53	3♎41	14♑23	10♑24	19♑44	20♋55	28°Y20	26°Y54	11♑51	24♊55	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	14s36	24s24	5s16	6s10	2n 7	1s35	1n38	10n 2	1n35	22n56	0s22	20n57	1s48	13s58	0n26	21n39	1s27	17s33	15s19	11n 9	10n55	15s15	7s26	6n15	
T 2	14 55	20 32	5 2	6 29	2 9	2 3	1 39	9 50	1 35	22 56	0 22	20 56	1 48	14 0	0 26	21 38	1 27	17 33	15 19	11 9	10 54	15 18	7 27	6 14	
W 3	15 14	15 32	4 31	6 51	2 11	2 31	1 40	9 37	1 36	22 56	0 22	20 56	1 49	14 1	0 26	21 38	1 27	17 33	15 19	11 9	10 53	15 20	7 27	6 14	
T 4	15 32	9 34	3 44	7 17	2 12	3 0	1 41	9 25	1 36	22 56	0 22	20 56	1 49	14 2	0 26	21 38	1 27	17 33	15 19	11 10	10 52	15 23	7 28	6 13	
F 5	15 50	2 57	2 41	7 44	2 11	3 28	1 41	9 13	1 37	22 57	0 22	20 55	1 49	14 3	0 26	21 38	1 27	17 34	15 18	11 10	10 50	15 26	7 28	6 13	
S 6	16 8	4n 1	1 26	8 14	2 10	3 56	1 42	9 1	1 38	22 57	0 22	20 55	1 49	14 4	0 26	21 38	1 27	17 34	15 18	11 10	10 49	15 29	7 28	6 13	
S 7	16 26	10 55	0 3	8 45	2 8	4 24	1 42	8 48	1 38	22 57	0 22	20 54	1 49	14 6	0 26	21 38	1 27	17 34	15 18	11 11	10 48	15 32	7 29	6 12	
M 8	16 43	17 15	1n20	9 17	2 5	4 52	1 43	8 36	1 39	22 57	0 22	20 54	1 49	14 7	0 26	21 38	1 27	17 34	15 18	11 10	10 47	15 35	7 29	6 12	
T 9	17 0	22 30	2 38	9 50	2 2	5 20	1 43	8 24	1 40	22 57	0 22	20 54	1 49	14 8	0 26	21 38	1 27	17 34	15 17	11 10	10 46	15 38	7 29	6 11	
W10	17 17	26 11	3 43	10 25	1 58	5 47	1 43	8 11	1 40	22 58	0 22	20 53	1 49	14 9	0 26	21 37	1 27	17 34	15 17	11 9	10 45	15 41	7 30	6 11	
T 11	17 34	27 59	4 33	10 59	1 53	6 15	1 44	7 59	1 41	22 58	0 22	20 53	1 49	14 10	0 26	21 37	1 27	17 33	15 17	11 8	10 44	15 44	7 30	6 10	
F 12	17 50	27 49	5 4	11 35	1 48	6 43	1 44	7 47	1 42	22 58	0 22	20 52	1 49	14 12	0 26	21 37	1 27	17 33	15 17	11 7	10 42	15 47	7 30	6 10	
S 13	18 6	25 53	5 15	12 10	1 43	7 10	1 44	7 35	1 42	22 58	0 22	20 52	1 49	14 13	0 26	21 37	1 27	17 33	15 16	11 6	10 41	15 50	7 30	6 10	
S 14	18 22	22 33	5 9	12 45	1 37	7 38	1 44	7 22	1 43	22 58	0 22	20 51	1 49	14 14	0 26	21 37	1 27	17 33	15 16	11 6	10 40	15 53	7 31	6 9	
M15	18 37	18 12	4 47	13 20	1 32	8 5	1 43	7 10	1 44	22 59	0 21	20 51	1 49	14 15	0 26	21 37	1 27	17 33	15 16	11 6	10 39	15 56	7 31	6 9	
T 16	18 52	13 11	4 12	13 55	1 26	8 32	1 43	6 58	1 44	22 59	0 21	20 50	1 49	14 16	0 26	21 37	1 27	17 33	15 15	11 6	10 38	15 59	7 31	6 8	
W17	19 6	7 46	3 26	14 30	1 19	8 59	1 43	6 46	1 45	22 59	0 21	20 50	1 49	14 17	0 26	21 37	1 27	17 33	15 15	11 6	10 37	16 2	7 31	6 8	
T 18	19 21	2 9	2 31	15 5	1 13	9 26	1 42	6 34	1 46	23 0	0 21	20 49	1 49	14 19	0 26	21 36	1 27	17 33	15 15	11 7	10 36	16 4	7 31	6 7	
F 19	19 35	3s28	1 31	15 38	1 6	9 53	1 42	6 21	1 46	23 0	0 21	20 49	1 49	14 20	0 26	21 36	1 27	17 33	15 14	11 8	10 35	16 7	7 31	6 7	
S 20	19 48	8 55	0 27	16 12	0 59	10 19	1 41	6 9	1 47	23 0	0 21	20 49	1 49	14 21	0 26	21 36	1 27	17 33	15 14	11 8	10 33	16 10	7 31	6 7	
S 21	20 1	14 4	0s37	16 44	0 53	10 45	1 41	5 57	1 48	23 0	0 21	20 48	1 49	14 22	0 26	21 36	1 27	17 32	15 14	11 8	10 32	16 13	7 31	6 6	
M22	20 14	18 42	1 40	17 16	0 46	11 11	1 40	5 45	1 48	23 1	0 21	20 48	1 49	14 23	0 26	21 36	1 27	17 32	15 14	11 7	10 31	16 16	7 31	6 6	
T 23	20 27	22 38	2 39	17 48	0 39	11 37	1 39	5 33	1 49	23 1	0 21	20 47	1 49	14 24	0 26	21 36	1 27	17 32	15 13	11 6	10 30	16 19	7 31	6 5	
W24	20 39	25 38	3 31	18 18	0 32	12 2	1 39	5 21	1 50	23 1	0 21	20 47	1 49	14 25	0 26	21 36	1 27	17 32	15 13	11 4	10 29	16 22	7 31	6 5	
T 25	20 51	27 31	4 14	18 48	0 25	12 27	1 38	5 9	1 50	23 1	0 21	20 46	1 49	14 27	0 26	21 36	1 27	17 32	15 13	11 2	10 28	16 25	7 31	6 4	
F 26	21 2	28 5	4 46	19 16	0 18	12 52	1 37	4 57	1 51	23 2	0 20	20 46	1 49	14 28	0 26	21 35	1 27	17 32	15 12	11 0	10 27	16 28	7 31	6 4	
S 27	21 13	27 15	5 5	19 44	0 11	13 17	1 36	4 45	1 52	23 2	0 20	20 45	1 49	14 29	0 26	21 35	1 27	17 31	15 12	10 57	10 25	16 31	7 31	6 4	
S 28	21 23	25 2	5 10	20 11	0 4	13 41	1 35	4 34	1 52	23 2	0 20	20 45	1 48	14 30	0 26	21 35	1 27	17 31	15 12	10 55	10 24	16 33	7 31	6 3	
M29	21 34	21 33	5 0	20 37	0s 3	14 5	1 33	4 22	1 53	23 3	0 20	20 44	1 48	14 31	0 26	21 35	1 27	17 31	15 11	10 54	10 23	16 36	7 31	6 3	
T 30	21s43	16s56	4s34	21s 2	0s 9	14s28	1n32	4n10	1n54	23n 3	0s20	20n44	1s48	14s32	0n26	21n35	1s27	17s31	15s11	10n53	10n22	16s39	7s31	6n 2	

ASTRODIENST EPHEMERIS for the year 2060
geocentric

DECEMBER 2060

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Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	4 42 29	9♌33°04	9♋59	5♊15	14♌56	24♎24	3°R34	14°R18	10♍28	19°R42	20°R55	28°D19	26°Y51	11♌58	24♌57	W 1
T 2	4 46 25	10°33'53	23°42	6°49	16°10	24°55	3♌27	14♌13	10°31	19♌41	20°R55	28°Y20	26°48	12° 4	24°59	T 2
F 3	4 50 22	11°34'42	7°Y47	8°24	17°25	25°26	3°20	14° 8	10°35	19°39	20°55	28°21	26°45	12°11	25° 0	F 3
S 4	4 54 18	12°35'32	22°12	9°58	18°40	25°56	3°13	14° 3	10°38	19°37	20°D55	28°R23	26°41	12°18	25° 2	S 4
S 5	4 58 15	13°36'23	6♌57	11°32	19°55	26°27	3° 6	13°59	10°41	19°36	20°55	28°22	26°38	12°24	25° 4	S 5
M 6	5 2 11	14°37'16	21°55	13° 7	21°10	26°57	2°58	13°54	10°45	19°34	20°55	28°20	26°35	12°31	25° 6	M 6
T 7	5 6 8	15°38'09	6♌59	14°41	22°25	27°27	2°51	13°49	10°48	19°32	20°55	28°16	26°32	12°38	25° 8	T 7
W 8	5 10 4	16°39'03	22° 0	16°15	23°40	27°58	2°43	13°44	10°51	19°30	20°55	28° 9	26°29	12°44	25°10	W 8
T 9	5 14 1	17°39'58	6♌48	17°49	24°55	28°27	2°36	13°39	10°54	19°29	20°55	28° 2	26°25	12°51	25°12	T 9
F 10	5 17 58	18°40'54	21°16	19°23	26°10	28°57	2°28	13°34	10°58	19°27	20°55	27°53	26°22	12°58	25°15	F 10
S 11	5 21 54	19°41'51	5♌18	20°58	27°25	29°27	2°20	13°29	11° 1	19°25	20°55	27°45	26°19	13° 4	25°17	S 11
S 12	5 25 51	20°42'49	18°51	22°32	28°40	29°56	2°12	13°24	11° 4	19°24	20°56	27°39	26°16	13°11	25°19	S 12
M13	5 29 47	21°43'48	1♎56	24° 7	29°55	0♌25	2° 5	13°19	11° 7	19°22	20°56	27°35	26°13	13°18	25°21	M13
T 14	5 33 44	22°44'49	14°36	25°41	1♌10	0°55	1°57	13°15	11°10	19°20	20°56	27°32	26°10	13°24	25°24	T 14
W15	5 37 40	23°45'50	26°54	27°16	2°25	1°23	1°49	13°10	11°13	19°19	20°56	27°D32	26° 6	13°31	25°26	W15
T 16	5 41 37	24°46'52	8♌57	28°50	3°40	1°52	1°41	13° 5	11°16	19°17	20°57	27°33	26° 3	13°37	25°29	T 16
F 17	5 45 34	25°47'55	20°49	0♌25	4°55	2°21	1°33	13° 0	11°19	19°15	20°57	27°34	26° 0	13°44	25°31	F 17
S 18	5 49 30	26°49'00	2♌35	2° 0	6°10	2°49	1°24	12°55	11°22	19°14	20°57	27°R34	25°57	13°51	25°34	S 18
S 19	5 53 27	27°50'05	14°22	3°35	7°26	3°17	1°16	12°51	11°25	19°12	20°58	27°32	25°54	13°57	25°37	S 19
M20	5 57 23	28°51'10	26°12	5°11	8°41	3°45	1° 8	12°46	11°28	19°10	20°58	27°28	25°51	14° 4	25°39	M20
T 21	6 1 20	29°52'17	8♌ 9	6°46	9°56	4°13	1° 0	12°41	11°31	19° 9	20°58	27°21	25°47	14°11	25°42	T 21
W22	6 5 16	0♌53'24	20°15	8°22	11°11	4°40	0°52	12°37	11°33	19° 7	20°59	27°11	25°44	14°17	25°45	W22
T 23	6 9 13	1°54'32	2♌32	9°57	12°26	5° 8	0°44	12°32	11°36	19° 5	20°59	27° 0	25°41	14°24	25°48	T 23
F 24	6 13 9	2°55'40	15° 1	11°33	13°42	5°35	0°36	12°28	11°39	19° 4	21° 0	26°47	25°38	14°31	25°51	F 24
S 25	6 17 6	3°56'49	27°42	13° 9	14°57	6° 2	0°27	12°24	11°41	19° 2	21° 0	26°35	25°35	14°37	25°53	S 25
S 26	6 21 3	4°57'58	10♌34	14°45	16°12	6°28	0°19	12°19	11°44	19° 0	21° 1	26°23	25°31	14°44	25°56	S 26
M27	6 24 59	5°59'07	23°37	16°21	17°27	6°55	0°11	12°15	11°47	18°59	21° 1	26°14	25°28	14°51	25°59	M27
T 28	6 28 56	7° 0'16	6♌52	17°58	18°43	7°21	0° 3	12°11	11°49	18°57	21° 2	26° 8	25°25	14°57	26° 3	T 28
W29	6 32 52	8° 1'25	20°19	19°34	19°58	7°47	29♌55	12° 6	11°52	18°56	21° 2	26° 4	25°22	15° 4	26° 6	W29
T 30	6 36 49	9° 2'33	3°Y59	21°10	21°13	8°13	29°47	12° 2	11°54	18°54	21° 3	26°D 3	25°19	15°11	26° 9	T 30
F 31	6 40 45	10♌3 3'42	17°Y53	22♌45	22♌28	8♌38	29♌39	11♌58	11♌57	18♌52	21♌ 4	26°Y 3	25°Y16	15♌17	26♌12	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
W 1	21s53	11s25	3s52	21s26	0s16	14s52	1n31	3n58	1n54	23n 3	0s20	20n43	1s48	14s33	0n26	21n35	1s27	17s30	15s11	10n53	10n21	16s42	7s31	6n 2	
T 2	22 2	5 13	2 57	21 49	0 23	15 15	1 30	3 47	1 55	23 4	0 20	20 43	1 48	14 34	0 26	21 35	1 27	17 30	15 10	10 53	10 20	16 45	7 30	6 2	
F 3	22 10	1n25	1 49	22 11	0 29	15 37	1 28	3 35	1 56	23 4	0 20	20 42	1 48	14 35	0 26	21 35	1 27	17 30	15 10	10 53	10 19	16 48	7 30	6 1	
S 4	22 18	8 8	0 33	22 32	0 36	15 59	1 27	3 24	1 56	23 4	0 20	20 42	1 48	14 36	0 26	21 34	1 27	17 30	15 10	10 54	10 17	16 51	7 30	6	
S 5	22 26	14 33	0n46	22 51	0 42	16 21	1 25	3 12	1 57	23 4	0 19	20 41	1 48	14 37	0 26	21 34	1 27	17 29	15 9	10 54	10 16	16 53	7 30	6 0	
M 6	22 33	20 14	2 4	23 10	0 48	16 42	1 24	3 1	1 58	23 5	0 19	20 41	1 48	14 38	0 26	21 34	1 27	17 29	15 9	10 53	10 15	16 56	7 29	6 0	
T 7	22 40	24 38	3 13	23 27	0 54	17 3	1 22	2 49	1 59	23 5	0 19	20 40	1 48	14 39	0 26	21 34	1 27	17 29	15 9	10 51	10 14	16 59	7 29	6 0	
W 8	22 46	27 20	4 9	23 43	1 0	17 23	1 20	2 38	1 59	23 5	0 19	20 40	1 48	14 40	0 26	21 34	1 27	17 28	15 8	10 49	10 13	17 2	7 29	5 59	
T 9	22 52	28 2	4 46	23 58	1 6	17 43	1 18	2 27	2 0	23 6	0 19	20 39	1 48	14 41	0 26	21 34	1 27	17 28	15 8	10 46	10 12	17 5	7 29	5 59	
F 10	22 57	26 46	5 5	24 12	1 12	18 3	1 17	2 16	2 1	23 6	0 19	20 39	1 48	14 42	0 26	21 34	1 27	17 28	15 8	10 43	10 10	17 8	7 28	5 58	
S 11	23 2	23 51	5 4	24 24	1 17	18 22	1 15	2 5	2 1	23 6	0 19	20 38	1 47	14 43	0 26	21 34	1 27	17 27	15 7	10 40	10 9	17 10	7 28	5 58	
S 12	23 6	19 42	4 46	24 35	1 22	18 40	1 13	1 54	2 2	23 6	0 19	20 38	1 47	14 44	0 26	21 33	1 27	17 27	15 7	10 38	10 8	17 13	7 27	5 58	
M13	23 11	14 44	4 14	24 45	1 27	18 58	1 11	1 43	2 3	23 7	0 18	20 37	1 47	14 45	0 26	21 33	1 27	17 26	15 7	10 37	10 7	17 16	7 27	5 57	
T 14	23 14	9 17	3 30	24 54	1 32	19 16	1 9	1 32	2 4	23 7	0 18	20 37	1 47	14 46	0 26	21 33	1 27	17 26	15 6	10 36	10 6	17 19	7 27	5 57	
W15	23 17	3 38	2 37	25 1	1 37	19 33	1 7	1 21	2 4	23 7	0 18	20 36	1 47	14 47	0 26	21 33	1 27	17 26	15 6	10 36	10 5	17 22	7 26	5 57	
T 16	23 20	2s 2	1 38	25 7	1 41	19 49	1 5	1 10	2 5	23 7	0 18	20 36	1 47	14 48	0 26	21 33	1 27	17 25	15 6	10 36	10 4	17 25	7 26	5 56	
F 17	23 22	7 34	0 36	25 11	1 45	20 5	1 3	1 0	2 6	23 8	0 18	20 35	1 47	14 49	0 26	21 33	1 27	17 25	15 5	10 36	10 2	17 27	7 25	5 56	
S 18	23 24	12 47	0s27	25 14	1 49	20 20	1 1	0 49	2 7	23 8	0 18	20 35	1 47	14 50	0 26	21 33	1 27	17 24	15 5	10 36	10 1	17 30	7 25	5 56	
S 19	23 25	17 33	1 29	25 16	1 53	20 35	0 58	0 39	2 7	23 8	0 18	20 34	1 46	14 51	0 26	21 33	1 27	17 24	15 5	10 36	10 0	17 33	7 24	5 55	
M20	23 26	21 40	2 27	25 16	1 56	20 49	0 56	0 28	2 8	23 8	0 18	20 34	1 46	14 52	0 26	21 32	1 27	17 23	15 4	10 34	9 59	17 36	7 23	5 55	
T 21	23 26	24 56	3 19	25 15	1 59	21 3	0 54	0 18	2 9	23 8	0 17	20 34	1 46	14 52	0 26	21 32	1 27	17 23	15 4	10 32	9 58	17 39	7 23	5 54	
W22	23 26	27 6	4 3	25 12	2 2	21 16	0 52	0 8	2 10	23 9	0 17	20 33	1 46	14 53	0 26	21 32	1 27	17 23	15 4	10 28	9 57	17 41	7 22	5 54	
T 23	23 25	28 0	4 36	25 8	2 4	21 28	0 49	0s 2	2 10	23 9	0 17	20 33	1 46	14 54	0 26	21 32	1 27	17 22	15 3	10 24	9 55	17 44	7 22	5 54	
F 24	23 24	27 29	4 56	25 2	2 6	21 40	0 47	0 12	2 11	23 9	0 17	20 32	1 46	14 55	0 26	21 32	1 27	17 22	15 3	10 19	9 54	17 47	7 21	5 53	
S 25	23 22	25 33	5 2	24 54	2 8	21 51	0 45	0 22	2 12	23 9	0 17	20 32	1 46	14 56	0 26	21 32	1 27	17 21	15 3	10 15	9 53	17 50	7 20	5 53	
S 26	23 20	22 17	4 53	24 46	2 9	22 1	0 42	0 32	2 13	23 9	0 17	20 31	1 45	14 57	0 26	21 32	1 27	17 21	15 2	10 11	9 52	17 52	7 20	5 53	
M27	23 18	17 52	4 29	24 35	2 10	22 11	0 40	0 42	2 14	23 9	0 17	20 31	1 45	14 57	0 26	21 32	1 27	17 20	15 2	10 7	9 51	17 55	7 19	5 52	
T 28	23 15	12 33	3 50	24 23	2 11	22 20	0 37	0 51	2 14	23 10	0 16	20 31	1 45	14 58	0 26	21 32	1 27	17 20	15 2	10 5	9 50	17 58	7 18	5 52	
W29	23 11	6 33	2 57	24 10	2 11	22 28	0 35	1 1	2 15	23 10	0 16	20 30	1 45	14 59	0 26	21 31	1 27	17 19	15 2	10 4	9 49	18 1	7 18	5 52	
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F 31	23s 3	6n21	0s43	23s39	2s10	22s43	0n30	1s20	2n17	23n10	0s16	20n30	1s44	15s 0	0n26	21n31	1s27	17s18	15s 1	10n 3	9n46	18s 6	7s16	5n51	