



Astrodienst Ephemeris Tables for the year 1873

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 1873
geocentric

JANUARY 1873

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	6 42 51	10 ³ 42'33	4 ³ 53	18 ² 24	21 ² 27	19 ² 49	1 ⁰ R 7	22 ³ 8	4 ⁰ R47	23 ⁰ R31	19 ⁰ R 2	2 ⁰ R55	1 ⁰ II20	15 ⁰ 46	10 ⁰ Y31	W 1
T 2	6 46 47	11 ⁰ 43'44	19 ⁰ 55	19 ⁰ 6	22 ⁰ 38	20 ⁰ 19	1 ⁰ 4	22 ⁰ 15	4 ⁰ 45	23 ⁰ Y31	19 ⁰ 1	2 ⁰ II48	1 ⁰ 17	15 ⁰ 53	10 ⁰ 31	T 2
F 3	6 50 44	12 ⁰ 44'55	4 ⁰ 44	19 ⁰ 54	23 ⁰ 50	20 ⁰ 49	1 ⁰ 1	22 ⁰ 22	4 ⁰ 43	23 ⁰ D31	19 ⁰ 1	2 ⁰ 43	1 ⁰ 14	15 ⁰ 59	10 ⁰ 32	F 3
S 4	6 54 41	13 ⁰ 46'05	19 ⁰ 15	20 ⁰ 46	25 ⁰ 1	21 ⁰ 19	0 ⁰ 58	22 ⁰ 29	4 ⁰ 40	23 ⁰ 31	19 ⁰ 0	2 ⁰ 39	1 ⁰ 10	16 ⁰ 6	10 ⁰ 33	S 4
S 5	6 58 37	14 ⁰ 47'15	3 ⁰ Y23	21 ⁰ 41	26 ⁰ 13	21 ⁰ 49	0 ⁰ 54	22 ⁰ 36	4 ⁰ 38	23 ⁰ 31	19 ⁰ 0	2 ⁰ 36	1 ⁰ 7	16 ⁰ 13	10 ⁰ 34	S 5
M 6	7 2 34	15 ⁰ 48'25	17 ⁰ 8	22 ⁰ 40	27 ⁰ 24	22 ⁰ 18	0 ⁰ 51	22 ⁰ 43	4 ⁰ 36	23 ⁰ 31	18 ⁰ 59	2 ⁰ D36	1 ⁰ 4	16 ⁰ 19	10 ⁰ 35	M 6
T 7	7 6 30	16 ⁰ 49'34	0 ⁰ 831	23 ⁰ 43	28 ⁰ 35	22 ⁰ 47	0 ⁰ 47	22 ⁰ 50	4 ⁰ 33	23 ⁰ 31	18 ⁰ 58	2 ⁰ 36	1 ⁰ 1	16 ⁰ 26	10 ⁰ 35	T 7
W 8	7 10 27	17 ⁰ 50'43	13 ⁰ 33	24 ⁰ 48	29 ⁰ 46	23 ⁰ 17	0 ⁰ 43	22 ⁰ 57	4 ⁰ 31	23 ⁰ 31	18 ⁰ 58	2 ⁰ 38	0 ⁰ 58	16 ⁰ 33	10 ⁰ 36	W 8
T 9	7 14 23	18 ⁰ 51'51	26 ⁰ 18	25 ⁰ 56	0 ⁰ X57	23 ⁰ 46	0 ⁰ 38	23 ⁰ 4	4 ⁰ 28	23 ⁰ 32	18 ⁰ 57	2 ⁰ R39	0 ⁰ 54	16 ⁰ 40	10 ⁰ 37	T 9
F 10	7 18 20	19 ⁰ 52'59	8 ⁰ II50	27 ⁰ 6	2 ⁰ 8	24 ⁰ 14	0 ⁰ 34	23 ⁰ 11	4 ⁰ 26	23 ⁰ 32	18 ⁰ 57	2 ⁰ 39	0 ⁰ 51	16 ⁰ 46	10 ⁰ 39	F 10
S 11	7 22 16	20 ⁰ 54'06	21 ⁰ 10	28 ⁰ 18	3 ⁰ 18	24 ⁰ 43	0 ⁰ 29	23 ⁰ 19	4 ⁰ 23	23 ⁰ 32	18 ⁰ 56	2 ⁰ 37	0 ⁰ 48	16 ⁰ 53	10 ⁰ 40	S 11
S 12	7 26 13	21 ⁰ 55'13	3 ⁰ 821	29 ⁰ 32	4 ⁰ 29	25 ⁰ 12	0 ⁰ 25	23 ⁰ 26	4 ⁰ 21	23 ⁰ 32	18 ⁰ 56	2 ⁰ 33	0 ⁰ 45	17 ⁰ 0	10 ⁰ 41	S 12
M13	7 30 10	22 ⁰ 56'19	15 ⁰ 26	0 ⁰ 347	5 ⁰ 39	25 ⁰ 40	0 ⁰ 20	23 ⁰ 33	4 ⁰ 18	23 ⁰ 33	18 ⁰ 56	2 ⁰ 26	0 ⁰ 42	17 ⁰ 7	10 ⁰ 42	M13
T 14	7 34 6	23 ⁰ 57'25	27 ⁰ 26	2 ⁰ 4	6 ⁰ 50	26 ⁰ 8	0 ⁰ 15	23 ⁰ 40	4 ⁰ 15	23 ⁰ 33	18 ⁰ 55	2 ⁰ 17	0 ⁰ 39	17 ⁰ 13	10 ⁰ 43	T 14
W15	7 38 3	24 ⁰ 58'30	9 ⁰ 421	3 ⁰ 23	8 ⁰ 0	26 ⁰ 36	0 ⁰ 9	23 ⁰ 47	4 ⁰ 13	23 ⁰ 33	18 ⁰ 55	2 ⁰ 7	0 ⁰ 35	17 ⁰ 20	10 ⁰ 45	W15
T 16	7 41 59	25 ⁰ 59'35	21 ⁰ 14	4 ⁰ 42	9 ⁰ 10	27 ⁰ 4	0 ⁰ 4	23 ⁰ 54	4 ⁰ 10	23 ⁰ 34	18 ⁰ 54	1 ⁰ 55	0 ⁰ 32	17 ⁰ 27	10 ⁰ 46	T 16
F 17	7 45 56	27 ⁰ 0'39	3 ⁰ 6	6 ⁰ 3	10 ⁰ 20	27 ⁰ 31	29 ⁰ 458	24 ⁰ 1	4 ⁰ 8	23 ⁰ 34	18 ⁰ 54	1 ⁰ 45	0 ⁰ 29	17 ⁰ 33	10 ⁰ 48	F 17
S 18	7 49 52	28 ⁰ 1'43	14 ⁰ 59	7 ⁰ 25	11 ⁰ 29	27 ⁰ 59	29 ⁰ 53	24 ⁰ 8	4 ⁰ 5	23 ⁰ 35	18 ⁰ 54	1 ⁰ 35	0 ⁰ 26	17 ⁰ 40	10 ⁰ 49	S 18
S 19	7 53 49	29 ⁰ 2'46	26 ⁰ 55	8 ⁰ 48	12 ⁰ 39	28 ⁰ 26	29 ⁰ 47	24 ⁰ 16	4 ⁰ 3	23 ⁰ 35	18 ⁰ 53	1 ⁰ 28	0 ⁰ 23	17 ⁰ 47	10 ⁰ 51	S 19
M20	7 57 45	0 ⁰ 3'49	9 ⁰ 41	10 ⁰ 12	13 ⁰ 48	28 ⁰ 53	29 ⁰ 41	24 ⁰ 23	4 ⁰ 0	23 ⁰ 36	18 ⁰ 53	1 ⁰ 23	0 ⁰ 19	17 ⁰ 54	10 ⁰ 52	M20
T 21	8 1 42	1 ⁰ 4'51	21 ⁰ 16	11 ⁰ 37	14 ⁰ 58	29 ⁰ 20	29 ⁰ 35	24 ⁰ 30	3 ⁰ 57	23 ⁰ 36	18 ⁰ 53	1 ⁰ 20	0 ⁰ 16	18 ⁰ 0	10 ⁰ 54	T 21
W22	8 5 39	2 ⁰ 5'53	3 ⁰ 47	13 ⁰ 3	16 ⁰ 7	29 ⁰ 46	29 ⁰ 29	24 ⁰ 37	3 ⁰ 55	23 ⁰ 37	18 ⁰ 53	1 ⁰ D20	0 ⁰ 13	18 ⁰ 7	10 ⁰ 56	W22
T 23	8 9 35	3 ⁰ 6'54	16 ⁰ 40	14 ⁰ 29	17 ⁰ 16	0 ⁰ 12	29 ⁰ 22	24 ⁰ 44	3 ⁰ 52	23 ⁰ 38	18 ⁰ 53	1 ⁰ 20	0 ⁰ 10	18 ⁰ 14	10 ⁰ 57	T 23
F 24	8 13 32	4 ⁰ 7'55	29 ⁰ 58	15 ⁰ 57	18 ⁰ 24	0 ⁰ 39	29 ⁰ 16	24 ⁰ 51	3 ⁰ 49	23 ⁰ 38	18 ⁰ 52	1 ⁰ R21	0 ⁰ 7	18 ⁰ 20	10 ⁰ 59	F 24
S 25	8 17 28	5 ⁰ 8'56	13 ⁰ 45	17 ⁰ 25	19 ⁰ 33	1 ⁰ 4	29 ⁰ 9	24 ⁰ 58	3 ⁰ 47	23 ⁰ 39	18 ⁰ 52	1 ⁰ 20	0 ⁰ 4	18 ⁰ 27	11 ⁰ 1	S 25
S 26	8 21 25	6 ⁰ 9'56	28 ⁰ 0	18 ⁰ 54	20 ⁰ 42	1 ⁰ 30	29 ⁰ 2	25 ⁰ 5	3 ⁰ 44	23 ⁰ 40	18 ⁰ 52	1 ⁰ 18	0 ⁰ 0	18 ⁰ 34	11 ⁰ 3	S 26
M27	8 25 21	7 ⁰ 10'55	12 ⁰ 344	20 ⁰ 23	21 ⁰ 50	1 ⁰ 55	28 ⁰ 56	25 ⁰ 12	3 ⁰ 42	23 ⁰ 41	18 ⁰ 52	1 ⁰ 12	29 ⁰ 857	18 ⁰ 41	11 ⁰ 5	M27
T 28	8 29 18	8 ⁰ 11'53	27 ⁰ 49	21 ⁰ 54	22 ⁰ 58	2 ⁰ 20	28 ⁰ 49	25 ⁰ 19	3 ⁰ 39	23 ⁰ 41	18 ⁰ 52	1 ⁰ 4	29 ⁰ 54	18 ⁰ 47	11 ⁰ 7	T 28
W29	8 33 14	9 ⁰ 12'51	13 ⁰ 47	23 ⁰ 25	24 ⁰ 6	2 ⁰ 45	28 ⁰ 42	25 ⁰ 26	3 ⁰ 36	23 ⁰ 42	18 ⁰ 52	0 ⁰ 54	29 ⁰ 51	18 ⁰ 54	11 ⁰ 9	W29
T 30	8 37 11	10 ⁰ 13'47	28 ⁰ 27	24 ⁰ 57	25 ⁰ 14	3 ⁰ 10	28 ⁰ 34	25 ⁰ 33	3 ⁰ 34	23 ⁰ 43	18 ⁰ 52	0 ⁰ 43	29 ⁰ 48	19 ⁰ 1	11 ⁰ 11	T 30
F 31	8 41 8	11 ⁰ 14'42	13 ⁰ 437	26 ⁰ 329	26 ⁰ 421	3 ⁰ 134	28 ⁰ 427	25 ⁰ 340	3 ⁰ 31	23 ⁰ Y44	18 ⁰ 52	0 ⁰ II33	29 ⁰ 845	19 ⁰ 4 8	11 ⁰ Y13	F 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
W 1	23s 1	23s29	4s34	20s32	2n26	16s 3	1s47	6s 3	1n51	12n 3	1n 2	21s40	0s 2	19n41	0n37	7n32	1s44	3n 5	14s57	20n45	20n27	20n51	5n52	1n51
T 2	22 56	19 38	5 2	20 43	2 18	15 38	1 45	6 14	1 51	12 5	1 3	21 39	0 2	19 42	0 37	7 32	1 44	3 5	14 56	20 44	20 26	20 49	5 52	1 51
F 3	22 51	14 35	5 10	20 55	2 9	15 13	1 43	6 25	1 51	12 6	1 3	21 38	0 2	19 42	0 37	7 32	1 44	3 5	14 56	20 43	20 25	20 47	5 52	1 50
S 4	22 45	8 49	4 57	21 8	2 1	14 47	1 41	6 36	1 52	12 7	1 3	21 37	0 2	19 43	0 37	7 32	1 44	3 5	14 56	20 42	20 25	20 46	5 52	1 50
S 5	22 38	2 44	4 26	21 20	1 52	14 21	1 39	6 46	1 52	12 9	1 3	21 36	0 2	19 44	0 38	7 32	1 44	3 6	14 56	20 42	20 24	20 44	5 52	1 50
M 6	22 31	3n20	3 41	21 33	1 43	13 54	1 37	6 57	1 52	12 11	1 4	21 34	0 2	19 44	0 38	7 32	1 44	3 6	14 55	20 42	20 23	20 42	5 52	1 50
T 7	22 24	9 5	2 45	21 45	1 34	13 28	1 35	7 8	1 53	12 12	1 4	21 33	0 2	19 45	0 38	7 32	1 44	3 6	14 55	20 42	20 23	20 40	5 53	1 50
W 8	22 16	14 18	1 41	21 57	1 25	13 0	1 33	7 18	1 53	12 14	1 4	21 32	0 2	19 45	0 38	7 32	1 44	3 6	14 55	20 42	20 22	20 38	5 53	1 49
T 9	22 8	18 47	0 34	22 8	1 16	12 33	1 30	7 29	1 53	12 16	1 4	21 31	0 2	19 46	0 38	7 32	1 44	3 6	14 54	20 42	20 21	20 36	5 53	1 49
F 10	21 59	22 20	0n33	22 19	1 7	12 5	1 27	7 39	1 53	12 17	1 5	21 30	0 2	19 47	0 38	7 32	1 44	3 6	14 54	20 42	20 21	20 34	5 53	1 49
S 11	21 50	24 48	1 38	22 29	0 58	11 37	1 25	7 49	1 54	12 19	1 5	21 29	0 2	19 47	0 38	7 33	1 44	3 6	14 54	20 42	20 20	20 33	5 54	1 49
S 12	21 40	26 2	2 38	22 39	0 49	11 9	1 22	7 59	1 54	12 21	1 5	21 28	0 2	19 48	0 38	7 33	1 43	3 7	14 54	20 41	20 19	20 31	5 54	1 49
M13	21 30	26 1	3 29	22 47	0 40	10 40	1 19	8 9	1 54	12 23	1 5	21 27	0 2	19 48	0 38	7 33	1 43	3 7	14 53	20 40	20 19	20 29	5 54	1 49
T 14	21 20	24 47	4 11	22 55	0 31	10 11	1 16	8 19	1 55	12 25	1 6	21 25	0 3	19 49	0 38	7 33	1 43	3 7	14 53	20 38	20 18	20 27	5 55	1 48
W15	21 9	22 27	4 41	23 2	0 23	9 42	1 13	8 29	1 55	12 27	1 6	21 24	0 3	19 50	0 38	7 33	1 43	3 7	14 53	20 36	20 17	20 25	5 55	1 48
T 16	20 58	19 9	4 59	23 8	0 14	9 13	1 10	8 39	1 55	12 29	1 6	21 23	0 3	19 50	0 38	7 33	1 43	3 7	14 52	20 34	20 17	20 23	5 55	1 48
F 17	20 46	15 6	5 4	23 13	0 6	8 44	1 6	8 48	1 56	12 31	1 6	21 22	0 3	19 51	0 38	7 34	1 43	3 8	14 52	20 32	20 16	20 21	5 56	1 48
S 18	20 34	10 28	4 56	23 17	0s 2	8 14	1 3	8 58	1 56	12 34	1 6	21 21	0 3	19 52	0 38	7 34	1 43	3 8	14 52	20 30	20 15	20 19	5 56	1 48
S 19	20 22	5 26	4 35	23 20	0 10	7 44	1 0	9 7	1 56	12 36	1 7	21 20	0 3	19 52	0 38	7 34	1 43	3 8	14 51	20 28	20 15	20 17	5 57	1 48
M20	20 9	0 8	4 2	23 21	0 18	7 14	0 56	9 16	1 56	12 38	1 7	21 18	0 3	19 53	0 38	7 34	1 43	3 8	14 51	20 27	20 14	20 15	5 57	1 47
T 21	19 56	5s15	3 17	23 22	0 25	6 44	0 52	9 25	1 57	12 41	1 7	21 17	0 3	19 53	0 38	7 35	1 43	3 9	14 51	20 27	20 13	20 14	5 58	1 47
W22	19 42	10 34	2 22	23 21	0 32	6 14	0 49	9 34	1 57	12 43	1 7	21 16	0 3	19 54	0 38	7 35	1 43	3 9	14 50	20 27	20 13	20 12	5 58	1 47
T 23	19 29	15 36	1 18	23 19	0 39	5 43	0 45	9 43	1 57	12 45	1 8	21 15	0 3	19 55	0 38	7 35	1 43	3 9	14 50	20 27	20 12	20 10	5 59	1 47
F 24	19 14	20 2	0 7	23 16	0 46	5 13	0 41	9 52	1 57	12 48	1 8	21 14	0 3	19 55	0 38	7 36	1 43	3 9	14 50	20 27	20 11	20 8	5 59	1 47
S 25	19 0	23 33	1s 6	23 12	0 53	4 42	0 37	10 1	1 58	12 50	1 8	21 12	0 3	19 56	0 38	7 36	1 43	3 10	14 49	20 27	20 11	20 6	6 0	1 47
S 26	18 45	25 43	2 17	23 6	0 59	4 11	0 32	10 10	1 58	12 53	1 8	21 11	0 3	19 57	0 38	7 36	1 43	3 10	14 49	20 26	20 10	20 4	6 0	1 46
M27	18 29	26 11	3 21	22 59	1 6	3 40	0 28	10 18	1 58	12 55	1 8	21 10	0 3	19 57	0 38	7 37	1 43	3 10	14 49	20 25	20 9	20 2	6 1	1 46
T 28	18 14	24 45	4 13	22 51	1 11	3 10	0 24	10 26	1 58	12 58	1 8	21 9	0 4	19 58	0 38	7 37	1 43	3 10	14 48	20 23	20 9	20 0	6 2	1 46
W29	17 58	21 29	4 48	22 42	1 17	2 39	0 20	10 35	1 59	13 1	1 9	21 8	0 4	19 58	0 38	7 37	1 42	3 11	14 48	20 21	20 8	19 58	6 2	1 46
T 30	17 42	16 44	5 2	22 31	1 23	2 8	0 15	10 43	1 59	13 3	1 9	21 6	0 4	19 59	0 38	7 38	1 42	3 11	14 48	20 19	20 7	19 56	6 3	1 46
F 31	17s25	10s58	4s54	22s18	1s28	1s37	0s10	10s51	1n59	13n 6	1n 9	21s 5	0s 4	20n 0	0n38	7n38	1s42	3n11	14s47	20n17	20n 7	19n54	6n 4	1n46

ASTRODIENST EPHEMERIS for the year 1873

geocentric

FEBRUARY 1873

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 45 4	12 ²⁸ 15'36	28 ¹⁸ 27	28 ²⁸ 2	27 ¹⁸ 28	3 ¹⁸ 58	28 ²⁸ R20	25 ²⁸ 347	3 ¹⁸ R29	23 ²⁸ Y45	18 ²⁸ D52	0 ²⁸ R25	29 ²⁸ 841	19 ²⁸ 14	11 ²⁸ Y15	S 1
S 2	8 49 1	13 ²⁸ 16'28	12 ²⁸ Y51	29 ²⁸ 36	28 ²⁸ 35	4 ²⁸ 22	28 ²⁸ 12	25 ²⁸ 54	3 ²⁸ 126	23 ²⁸ 46	18 ²⁸ 852	0 ²⁸ II19	29 ²⁸ 38	19 ²⁸ 21	11 ²⁸ 18	S 2
M 3	8 52 57	14 ²⁸ 17'19	26 ²⁸ 46	1 ²⁸ 11	29 ²⁸ 42	4 ²⁸ 45	28 ²⁸ 5	26 ²⁸ 1	3 ²⁸ 23	23 ²⁸ 47	18 ²⁸ 52	0 ²⁸ 16	29 ²⁸ 35	19 ²⁸ 28	11 ²⁸ 20	M 3
T 4	8 56 54	15 ²⁸ 18'09	10 ²⁸ 812	2 ²⁸ 47	0 ²⁸ Y49	5 ²⁸ 9	27 ²⁸ 57	26 ²⁸ 8	3 ²⁸ 21	23 ²⁸ 48	18 ²⁸ 52	0 ²⁸ D14	29 ²⁸ 32	19 ²⁸ 34	11 ²⁸ 22	T 4
W 5	9 0 50	16 ²⁸ 18'57	23 ²⁸ 13	4 ²⁸ 23	1 ²⁸ 55	5 ²⁸ 31	27 ²⁸ 50	26 ²⁸ 15	3 ²⁸ 18	23 ²⁸ 49	18 ²⁸ 52	0 ²⁸ R14	29 ²⁸ 29	19 ²⁸ 41	11 ²⁸ 25	W 5
T 6	9 4 47	17 ²⁸ 19'43	5 ²⁸ II53	6 ²⁸ 0	3 ²⁸ 1	5 ²⁸ 54	27 ²⁸ 42	26 ²⁸ 21	3 ²⁸ 16	23 ²⁸ 50	18 ²⁸ 52	0 ²⁸ 14	29 ²⁸ 25	19 ²⁸ 48	11 ²⁸ 27	T 6
F 7	9 8 43	18 ²⁸ 20'28	18 ²⁸ 16	7 ²⁸ 38	4 ²⁸ 7	6 ²⁸ 16	27 ²⁸ 34	26 ²⁸ 28	3 ²⁸ 13	23 ²⁸ 52	18 ²⁸ 52	0 ²⁸ 13	29 ²⁸ 22	19 ²⁸ 55	11 ²⁸ 29	F 7
S 8	9 12 40	19 ²⁸ 21'12	0 ²⁸ 26	9 ²⁸ 16	5 ²⁸ 13	6 ²⁸ 38	27 ²⁸ 27	26 ²⁸ 35	3 ²⁸ 11	23 ²⁸ 53	18 ²⁸ 52	0 ²⁸ 10	29 ²⁸ 19	20 ²⁸ 1	11 ²⁸ 32	S 8
S 9	9 16 37	20 ²⁸ 21'54	12 ²⁸ 28	10 ²⁸ 56	6 ²⁸ 18	7 ²⁸ 0	27 ²⁸ 19	26 ²⁸ 42	3 ²⁸ 8	23 ²⁸ 54	18 ²⁸ 52	0 ²⁸ 3	29 ²⁸ 16	20 ²⁸ 8	11 ²⁸ 34	S 9
M10	9 20 33	21 ²⁸ 22'34	24 ²⁸ 24	12 ²⁸ 36	7 ²⁸ 23	7 ²⁸ 21	27 ²⁸ 11	26 ²⁸ 48	3 ²⁸ 6	23 ²⁸ 55	18 ²⁸ 52	29 ²⁸ 854	29 ²⁸ 13	20 ²⁸ 15	11 ²⁸ 37	M10
T 11	9 24 30	22 ²⁸ 23'13	6 ²⁸ 18	14 ²⁸ 17	8 ²⁸ 28	7 ²⁸ 42	27 ²⁸ 3	26 ²⁸ 55	3 ²⁸ 3	23 ²⁸ 56	18 ²⁸ 53	29 ²⁸ 42	29 ²⁸ 10	20 ²⁸ 21	11 ²⁸ 40	T 11
W12	9 28 26	23 ²⁸ 23'50	18 ²⁸ 10	15 ²⁸ 59	9 ²⁸ 32	8 ²⁸ 3	26 ²⁸ 55	27 ²⁸ 2	3 ²⁸ 1	23 ²⁸ 58	18 ²⁸ 53	29 ²⁸ 27	29 ²⁸ 6	20 ²⁸ 28	11 ²⁸ 42	W12
T 13	9 32 23	24 ²⁸ 24'26	0 ²⁸ 13	17 ²⁸ 41	10 ²⁸ 36	8 ²⁸ 23	26 ²⁸ 47	27 ²⁸ 8	2 ²⁸ 59	23 ²⁸ 59	18 ²⁸ 53	29 ²⁸ 12	29 ²⁸ 3	20 ²⁸ 35	11 ²⁸ 45	T 13
F 14	9 36 19	25 ²⁸ 25'01	11 ²⁸ 57	19 ²⁸ 25	11 ²⁸ 40	8 ²⁸ 43	26 ²⁸ 39	27 ²⁸ 15	2 ²⁸ 56	24 ²⁸ 0	18 ²⁸ 53	28 ²⁸ 58	29 ²⁸ 0	20 ²⁸ 42	11 ²⁸ 48	F 14
S 15	9 40 16	26 ²⁸ 25'34	23 ²⁸ 54	21 ²⁸ 9	12 ²⁸ 44	9 ²⁸ 2	26 ²⁸ 32	27 ²⁸ 22	2 ²⁸ 54	24 ²⁸ 2	18 ²⁸ 54	28 ²⁸ 45	28 ²⁸ 57	20 ²⁸ 48	11 ²⁸ 50	S 15
S 16	9 44 12	27 ²⁸ 26'05	5 ²⁸ 56	22 ²⁸ 55	13 ²⁸ 47	9 ²⁸ 22	26 ²⁸ 24	27 ²⁸ 28	2 ²⁸ 52	24 ²⁸ 3	18 ²⁸ 54	28 ²⁸ 34	28 ²⁸ 54	20 ²⁸ 55	11 ²⁸ 53	S 16
M17	9 48 9	28 ²⁸ 26'35	18 ²⁸ 5	24 ²⁸ 41	14 ²⁸ 50	9 ²⁸ 40	26 ²⁸ 16	27 ²⁸ 34	2 ²⁸ 49	24 ²⁸ 5	18 ²⁸ 54	28 ²⁸ 26	28 ²⁸ 51	21 ²⁸ 2	11 ²⁸ 56	M17
T 18	9 52 6	29 ²⁸ 27'04	0 ²⁸ 13	26 ²⁸ 28	15 ²⁸ 52	9 ²⁸ 59	26 ²⁸ 8	27 ²⁸ 41	2 ²⁸ 47	24 ²⁸ 6	18 ²⁸ 55	28 ²⁸ 21	28 ²⁸ 47	21 ²⁸ 9	11 ²⁸ 59	T 18
W19	9 56 2	0 ²⁸ 17'32	12 ²⁸ 55	28 ²⁸ 16	16 ²⁸ 54	10 ²⁸ 17	26 ²⁸ 0	27 ²⁸ 47	2 ²⁸ 45	24 ²⁸ 8	18 ²⁸ 55	28 ²⁸ 19	28 ²⁸ 44	21 ²⁸ 15	12 ²⁸ 2	W19
T 20	9 59 59	1 ²⁸ 27'58	25 ²⁸ 44	0 ²⁸ 13	17 ²⁸ 56	10 ²⁸ 34	25 ²⁸ 52	27 ²⁸ 54	2 ²⁸ 43	24 ²⁸ 9	18 ²⁸ 55	28 ²⁸ 19	28 ²⁸ 41	21 ²⁸ 22	12 ²⁸ 5	T 20
F 21	10 3 55	2 ²⁸ 28'23	8 ²⁸ 15	1 ²⁸ 55	18 ²⁸ 57	10 ²⁸ 52	25 ²⁸ 44	28 ²⁸ 0	2 ²⁸ 40	24 ²⁸ 11	18 ²⁸ 56	28 ²⁸ 19	28 ²⁸ 38	21 ²⁸ 29	12 ²⁸ 8	F 21
S 22	10 7 52	3 ²⁸ 28'46	22 ²⁸ 31	3 ²⁸ 46	19 ²⁸ 58	11 ²⁸ 8	25 ²⁸ 36	28 ²⁸ 6	2 ²⁸ 38	24 ²⁸ 12	18 ²⁸ 56	28 ²⁸ 18	28 ²⁸ 35	21 ²⁸ 35	12 ²⁸ 11	S 22
S 23	10 11 48	4 ²⁸ 29'08	6 ²⁸ 34	5 ²⁸ 38	20 ²⁸ 59	11 ²⁸ 24	25 ²⁸ 29	28 ²⁸ 12	2 ²⁸ 36	24 ²⁸ 14	18 ²⁸ 57	28 ²⁸ 15	28 ²⁸ 31	21 ²⁸ 42	12 ²⁸ 14	S 23
M24	10 15 45	5 ²⁸ 29'29	21 ²⁸ 5	7 ²⁸ 30	21 ²⁸ 59	11 ²⁸ 40	25 ²⁸ 21	28 ²⁸ 19	2 ²⁸ 34	24 ²⁸ 15	18 ²⁸ 57	28 ²⁸ 9	28 ²⁸ 28	21 ²⁸ 49	12 ²⁸ 17	M24
T 25	10 19 41	6 ²⁸ 29'49	5 ²⁸ 59	9 ²⁸ 24	22 ²⁸ 59	11 ²⁸ 56	25 ²⁸ 13	28 ²⁸ 25	2 ²⁸ 32	24 ²⁸ 17	18 ²⁸ 58	28 ²⁸ 1	28 ²⁸ 25	21 ²⁸ 56	12 ²⁸ 20	T 25
W26	10 23 38	7 ²⁸ 30'06	21 ²⁸ 11	11 ²⁸ 17	23 ²⁸ 58	12 ²⁸ 10	25 ²⁸ 6	28 ²⁸ 31	2 ²⁸ 30	24 ²⁸ 19	18 ²⁸ 58	27 ²⁸ 51	28 ²⁸ 22	22 ²⁸ 2	12 ²⁸ 23	W26
T 27	10 27 35	8 ²⁸ 30'22	6 ²⁸ 13	13 ²⁸ 12	24 ²⁸ 56	12 ²⁸ 25	24 ²⁸ 58	28 ²⁸ 37	2 ²⁸ 28	24 ²⁸ 20	18 ²⁸ 59	27 ²⁸ 39	28 ²⁸ 19	22 ²⁸ 9	12 ²⁸ 26	T 27
F 28	10 31 31	9 ²⁸ 13'36	21 ²⁸ 14	15 ²⁸ 13	25 ²⁸ Y55	12 ²⁸ 13	24 ²⁸ 51	28 ²⁸ 34	2 ²⁸ 26	24 ²⁸ Y22	18 ²⁸ 59	27 ²⁸ 38	28 ²⁸ 16	22 ²⁸ 16	12 ²⁸ Y29	F 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
S 1	17s 8	4s42	4s27	22s 5	1s32	1s 6	0s 6	10s59	1n59	13n 9	1n 9	21s 4	0s 4	20n 0	0n38	7n38	1s42	3n12	14s47	20n15	20n 6	19n52	6n 4	1n46	
S 2	16 51	1n39	3 43	21 50	1 37	0 35	0 1	11 6	2 0	13 11	1 9	21 3	0 4	20 1	0 38	7 39	1 42	3 12	14 47	20 14	20 5	19 50	6 5	1 45	
M 3	16 33	7 43	2 47	21 33	1 41	0 4	0n 4	11 14	2 0	13 14	1 9	21 2	0 4	20 1	0 38	7 39	1 42	3 12	14 46	20 13	20 5	19 48	6 6	1 45	
T 4	16 16	13 15	1 44	21 16	1 45	0n28	0 9	11 22	2 0	13 17	1 10	21 0	0 4	20 2	0 38	7 40	1 42	3 13	14 46	20 13	20 4	19 46	6 7	1 45	
W 5	15 57	18 0	0 37	20 56	1 49	0 59	0 14	11 29	2 0	13 20	1 10	20 59	0 4	20 3	0 38	7 40	1 42	3 13	14 46	20 13	20 3	19 44	6 7	1 45	
T 6	15 39	21 48	0n30	20 36	1 52	1 29	0 19	11 36	2 0	13 22	1 10	20 58	0 4	20 3	0 38	7 41	1 42	3 13	14 45	20 13	20 3	19 42	6 8	1 45	
F 7	15 21	24 30	1 34	20 14	1 55	2 0	0 24	11 43	2 1	13 25	1 10	20 57	0 4	20 4	0 38	7 41	1 42	3 14	14 45	20 13	20 2	19 40	6 9	1 45	
S 8	15 2	26 0	2 32	19 50	1 58	2 31	0 29	11 50	2 1	13 28	1 10	20 55	0 4	20 4	0 38	7 42	1 42	3 14	14 45	20 12	20 1	19 38	6 10	1 44	
S 9	14 43	26 15	3 23	19 26	2 0	3 2	0 35	11 57	2 1	13 31	1 10	20 54	0 4	20 5	0 38	7 42	1 42	3 14	14 44	20 11	20 0	19 36	6 11	1 44	
M10	14 23	25 16	4 5	18 59	2 2	3 33	0 40	12 4	2 1	13 34	1 10	20 53	0 5	20 6	0 38	7 43	1 42	3 15	14 44	20 9	20 0	19 34	6 12	1 44	
T 11	14 4	23 9	4 35	18 32	2 4	4 3	0 45	12 11	2 1	13 36	1 11	20 52	0 5	20 6	0 38	7 43	1 42	3 15	14 44	20 6	19 59	19 32	6 13	1 44	
W12	13 44	20 3	4 53	18 3	2 5	4 34	0 51	12 17	2 2	13 39	1 11	20 51	0 5	20 7	0 38	7 44	1 42	3 16	14 43	20 3	19 58	19 30	6 13	1 44	
T 13	13 24	16 7	4 59	17 32	2 6	5 4	0 56	12 23	2 2	13 42	1 11	20 49	0 5	20 7	0 38	7 44	1 42	3 16	14 43	20 0	19 58	19 28	6 14	1 44	
F 14	13 3	11 34	4 52	17 0	2 6	5 34	1 2	12 30	2 2	13 45	1 11	20 48	0 5	20 8	0 38	7 45	1 42	3 16	14 43	19 57	19 57	19 26	6 15	1 44	
S 15	12 43	6 34	4 31	16 27	2 6	6 4	1 8	12 36	2 2	13 48	1 11	20 47	0 5	20 8	0 38	7 45	1 42	3 17	14 43	19 54	19 56	19 23	6 16	1 43	
S 16	12 22	1 18	3 59	15 52	2 5	6 34	1 13	12 42	2 2	13 50	1 11	20 46	0 5	20 9	0 38	7 46	1 42	3 17	14 42	19 51	19 56	19 21	6 17	1 43	
M17	12 1	4s 5	3 15	15 15	2 4	7 4	1 19	12 47	2 2	13 53	1 11	20 45	0 5	20 9	0 38	7 46	1 42	3 18	14 42	19 50	19 55	19 19	6 18	1 43	
T 18	11 40	9 24	2 22	14 38	2 3	7 33	1 25	12 53	2 2	13 56	1 11	20 43	0 5	20 10	0 38	7 47	1 41	3 18	14 42	19 49	19 54	19 17	6 19	1 43	
W19	11 19	14 27	1 20	13 58	2 1	8 3	1 31	12 59	2 2	13 59	1 11	20 42	0 5	20 10	0 38	7 47	1 41	3 18	14 41	19 48	19 54	19 15	6 20	1 43	
T 20	10 58	18 59	0 14	13 18	1 59	8 32	1 37	13 4	2 2	14 1	1 11	20 41	0 5	20 11	0 38	7 48	1 41	3 19	14 41	19 48	19 53	19 13	6 21	1 43	
F 21	10 36	22 43	0s56	12 36	1 56	9 1	1 43	13 9	2 2	14 4	1 11	20 40	0 5	20 11	0 38	7 49	1 41	3 19	14 41	19 48	19 52	19 11	6 22	1 43	
S 22	10 14	25 19	2 4	11 53	1 52	9 30	1 49	13 14	2 3	14 7	1 11	20 39	0 5	20 12	0 38	7 49	1 41	3 20	14 40	19 48	19 51	19 9	6 23	1 43	
S 23	9 52	26 25	3 7	11 8	1 48	9 58	1 55	13 19	2 3	14 10	1 11	20 38	0 6	20 12	0 38	7 50	1 41	3 20	14 40	19 47	19 51	19 7	6 24	1 42	
M24	9 30	25 46	4 0	10 22	1 44	10 27	2 1	13 24	2 3	14 12	1 12	20 36	0 6	20 13	0 38	7 51	1 41	3 20	14 40	19 46	19 50	19 5	6 25	1 42	
T 25	9 8	23 17	4 39	9 35	1 39	10 55	2 7	13 29	2 3	14 15	1 12	20 35	0 6	20 13	0 38	7 51	1 41	3 21	14 39	19 44	19 49	19 2	6 27	1 42	
W26	8 46	19 9	4 58	8 46	1 33	11 22	2 14	13 33	2 3	14 17	1 12	20 34	0 6	20 14	0 38	7 52	1 41	3 21	14 39	19 42	19 49	19 0	6 28	1 42	
T 27	8 23	13 44	4 57	7 57	1 27	11 50	2 20	13 38	2 3	14 20	1 12	20 33	0 6	20 14	0 38	7 52	1 41	3 22	14 39	19 39	19 48	18 58	6 29	1 42	
F 28	8s 1	7s29	4s34	7s 6	1s20	12n17	2n26	13s42	2n 3	14n23	1n12	20s32	0s 6	20n15	0n38	7n53	1s41	3n22	14s38	19n37	19n47	18n56	6n30	1n42	

ASTRODIENST EPHEMERIS for the year 1873
geocentric

MARCH 1873

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 35 28	10 ^h 30'48	6 ^h 43	17 ^h 2	26 ^h 52	12 ^h 52	24 ^h R43	28 ^h 349	2 ^h R24	24 ^h 24	19 ^h 0	27 ^h R19	28 ^h 12	22 ^h 22	12 ^h 32	S 1
S 2	10 39 24	11°30'59	21°17	18°58	27°50	13° 5	24 ^h 36	28°55	2 ^h 22	24°26	19° 0	27 ^h 12	28° 9	22°29	12°35	S 2
M 3	10 43 21	12°31'07	5 ^h 23	20°53	28°46	13°17	24°29	29° 1	2°20	24°27	19° 1	27° 8	28° 6	22°36	12°39	M 3
T 4	10 47 17	13°31'13	18°59	22°48	29°43	13°29	24°21	29° 6	2°19	24°29	19° 2	27° 6	28° 3	22°43	12°42	T 4
W 5	10 51 14	14°31'17	2 ^h 11	24°43	0 ^h 38	13°40	24°14	29°12	2°17	24°31	19° 2	27°D 6	28° 0	22°49	12°45	W 5
T 6	10 55 10	15°31'19	14°50	26°37	1°33	13°51	24° 7	29°18	2°15	24°33	19° 3	27°R 6	27°57	22°56	12°49	T 6
F 7	10 59 7	16°31'19	27°14	28°30	2°27	14° 1	24° 0	29°23	2°13	24°35	19° 4	27° 6	27°53	23° 3	12°52	F 7
S 8	11 3 4	17°31'16	9 ^h 23	0 ^h 21	3°21	14°11	23°54	29°29	2°12	24°37	19° 4	27° 4	27°50	23°10	12°55	S 8
S 9	11 7 0	18°31'12	21°21	2°11	4°14	14°19	23°47	29°34	2°10	24°38	19° 5	26°59	27°47	23°16	12°59	S 9
M10	11 10 57	19°31'05	3 ^h 14	3°58	5° 6	14°28	23°41	29°40	2° 9	24°40	19° 6	26°51	27°44	23°23	13° 2	M10
T 11	11 14 53	20°30'56	15° 5	5°42	5°58	14°36	23°34	29°45	2° 7	24°42	19° 7	26°41	27°41	23°30	13° 5	T 11
W12	11 18 50	21°30'45	26°57	7°23	6°49	14°43	23°28	29°50	2° 6	24°44	19° 7	26°30	27°37	23°36	13° 9	W12
T 13	11 22 46	22°30'32	8 ^h 52	9° 0	7°39	14°49	23°22	29°56	2° 4	24°46	19° 8	26°17	27°34	23°43	13°12	T 13
F 14	11 26 43	23°30'16	20°52	10°32	8°28	14°55	23°16	0 ^h 1	2° 3	24°48	19° 9	26° 5	27°31	23°50	13°16	F 14
S 15	11 30 39	24°29'59	2 ^h 57	12° 0	9°16	15° 0	23°10	0° 6	2° 2	24°50	19°10	25°54	27°28	23°57	13°19	S 15
S 16	11 34 36	25°29'40	15° 9	13°23	10° 4	15° 5	23° 4	0°11	2° 0	24°52	19°11	25°45	27°25	24° 3	13°23	S 16
M17	11 38 32	26°29'19	27°29	14°40	10°50	15° 9	22°58	0°16	1°59	24°54	19°12	25°39	27°22	24°10	13°26	M17
T 18	11 42 29	27°28'56	9 ^h 59	15°51	11°36	15°12	22°53	0°21	1°58	24°56	19°12	25°35	27°18	24°17	13°30	T 18
W19	11 46 26	28°28'31	22°40	16°55	12°21	15°14	22°48	0°26	1°57	24°58	19°13	25°D34	27°15	24°23	13°33	W19
T 20	11 50 22	29°28'04	5 ^h 36	17°52	13° 4	15°16	22°42	0°31	1°56	25° 0	19°14	25°34	27°12	24°30	13°37	T 20
F 21	11 54 19	0 ^h 27'36	18°48	18°42	13°47	15°17	22°37	0°35	1°55	25° 2	19°15	25°35	27° 9	24°37	13°40	F 21
S 22	11 58 15	1°27'06	2 ^h 20	19°25	14°29	15°R17	22°33	0°40	1°54	25° 5	19°16	25°R35	27° 6	24°44	13°44	S 22
S 23	12 2 12	2°26'34	16°14	20° 1	15° 9	15°17	22°28	0°44	1°53	25° 7	19°17	25°35	27° 2	24°50	13°48	S 23
M24	12 6 8	3°26'01	0 ^h 30	20°28	15°49	15°16	22°23	0°49	1°52	25° 9	19°18	25°32	26°59	24°57	13°51	M24
T 25	12 10 5	4°25'26	15° 5	20°48	16°27	15°14	22°19	0°53	1°51	25°11	19°19	25°27	26°56	25° 4	13°55	T 25
W26	12 14 1	5°24'48	29°57	21° 1	17° 3	15°11	22°15	0°58	1°51	25°13	19°20	25°20	26°53	25°11	13°58	W26
T 27	12 17 58	6°24'09	14 ^h 56	21°R 6	17°39	15° 8	22°11	1° 2	1°50	25°15	19°21	25°12	26°50	25°17	14° 2	T 27
F 28	12 21 55	7°23'28	29°55	21° 3	18°13	15° 4	22° 7	1° 6	1°49	25°17	19°22	25° 5	26°47	25°24	14° 6	F 28
S 29	12 25 51	8°22'45	14 ^h 44	20°53	18°46	14°59	22° 3	1°10	1°49	25°20	19°23	24°58	26°43	25°31	14° 9	S 29
S 30	12 29 48	9°22'00	29°16	20°36	19°17	14°53	22° 0	1°14	1°48	25°22	19°24	24°54	26°40	25°37	14°13	S 30
M31	12 33 44	10 ^h 21'13	13 ^h 23	20 ^h 14	19 ^h 47	14 ^h 46	21 ^h 56	1 ^h 18	1 ^h 47	25 ^h 24	19 ^h 25	24 ^h 51	26 ^h 37	25 ^h 44	14 ^h 17	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	7s38	0s54	3s53	6s14	1s12	12n44	2n32	13s46	2n 2	14n25	1n12	20s31	0s 6	20n15	0n38	7n54	1s41	3n23	14s38	19n34	19n47	18n54	6n31	1n42			
S 2	7 15	5n34	2 57	5 22	1 4	13 11	2 39	13 50	2 2	14 28	1 12	20 29	0 6	20 15	0 38	7 54	1 41	3 23	14 38	19 33	19 46	18 52	6 32	1 42			
M 3	6 52	11 34	1 52	4 28	0 56	13 37	2 45	13 54	2 2	14 30	1 12	20 28	0 6	20 16	0 38	7 55	1 41	3 24	14 37	19 32	19 45	18 50	6 33	1 41			
T 4	6 29	16 48	0 43	3 34	0 46	14 3	2 51	13 57	2 2	14 32	1 12	20 27	0 6	20 16	0 38	7 56	1 41	3 24	14 37	19 32	19 44	18 47	6 35	1 41			
W 5	6 6	21 2	0n27	2 40	0 37	14 29	2 58	14 1	2 2	14 35	1 12	20 26	0 6	20 17	0 38	7 57	1 41	3 24	14 37	19 32	19 44	18 45	6 36	1 41			
T 6	5 43	24 8	1 33	1 45	0 26	14 54	3 4	14 4	2 2	14 37	1 12	20 25	0 6	20 17	0 38	7 57	1 41	3 25	14 37	19 32	19 43	18 43	6 37	1 41			
F 7	5 19	25 58	2 33	0 50	0 15	15 19	3 11	14 7	2 2	14 39	1 12	20 24	0 6	20 17	0 37	7 58	1 41	3 25	14 36	19 31	19 42	18 41	6 38	1 41			
S 8	4 56	26 31	3 24	0n 5	0 4	15 44	3 17	14 10	2 2	14 42	1 12	20 23	0 7	20 18	0 37	7 59	1 41	3 26	14 36	19 31	19 42	18 39	6 39	1 41			
S 9	4 33	25 49	4 6	0 59	0n 8	16 8	3 23	14 13	2 2	14 44	1 12	20 22	0 7	20 18	0 37	7 59	1 41	3 26	14 36	19 30	19 41	18 37	6 41	1 41			
M10	4 9	23 56	4 37	1 53	0 20	16 32	3 30	14 16	2 1	14 46	1 12	20 21	0 7	20 18	0 37	8 0	1 41	3 27	14 35	19 28	19 40	18 34	6 42	1 41			
T 11	3 46	21 2	4 56	2 46	0 33	16 55	3 36	14 18	2 1	14 48	1 12	20 20	0 7	20 19	0 37	8 1	1 41	3 27	14 35	19 26	19 39	18 32	6 43	1 41			
W12	3 22	17 16	5 2	3 38	0 46	17 18	3 43	14 21	2 1	14 50	1 12	20 19	0 7	20 19	0 37	8 2	1 41	3 28	14 35	19 23	19 39	18 30	6 44	1 40			
T 13	2 58	12 48	4 55	4 28	0 59	17 41	3 49	14 23	2 0	14 52	1 12	20 18	0 7	20 19	0 37	8 2	1 41	3 28	14 35	19 20	19 38	18 28	6 45	1 40			
F 14	2 35	7 50	4 35	5 16	1 12	18 3	3 55	14 25	2 0	14 54	1 12	20 17	0 7	20 19	0 37	8 3	1 41	3 29	14 34	19 17	19 37	18 26	6 47	1 40			
S 15	2 11	2 32	4 2	6 3	1 25	18 24	4 2	14 27	1 59	14 56	1 12	20 16	0 7	20 20	0 37	8 4	1 41	3 29	14 34	19 15	19 37	18 23	6 48	1 40			
S 16	1 48	2s55	3 18	6 47	1 37	18 46	4 8	14 28	1 59	14 58	1 11	20 15	0 7	20 20	0 37	8 5	1 41	3 30	14 34	19 13	19 36	18 21	6 49	1 40			
M17	1 24	8 21	2 24	7 29	1 50	19 7	4 14	14 30	1 59	15 0	1 11	20 14	0 7	20 20	0 37	8 5	1 41	3 30	14 33	19 11	19 35	18 19	6 51	1 40			
T 18	1 0	13 31	1 22	8 7	2 2	19 27	4 20	14 31	1 58	15 1	1 11	20 13	0 7	20 21	0 37	8 6	1 41	3 30	14 33	19 10	19 34	18 17	6 52	1 40			
W19	0 36	18 12	0 16	8 43	2 14	19 47	4 27	14 33	1 58	15 3	1 11	20 12	0 7	20 21	0 37	8 7	1 40	3 31	14 33	19 10	19 34	18 14	6 53	1 40			
T 20	0 13	22 8	0s54	9 15	2 25	20 6	4 33	14 34	1 57	15 5	1 11	20 11	0 8	20 21	0 37	8 8	1 40	3 31	14 33	19 10	19 33	18 12	6 54	1 40			
F 21	0n11	25 0	2 1	9 44	2 36	20 25	4 39	14 34	1 57	15 6	1 11	20 10	0 8	20 21	0 37	8 8	1 40	3 32	14 32	19 10	19 32	18 10	6 56	1 40			
S 22	0 35	26 30	3 4	10 10	2 46	20 43	4 45	14 35	1 56	15 8	1 11	20 9	0 8	20 21	0 37	8 9	1 40	3 32	14 32	19 10	19 31	18 8	6 57	1 40			
S 23	0 58	26 24	3 58	10 31	2 55	21 1	4 51	14 36	1 55	15 9	1 11	20 8	0 8	20 22	0 37	8 10	1 40	3 33	14 32	19 10	19 31	18 5	6 58	1 39			
M24	1 22	24 35	4 38	10 49	3 2	21 18	4 56	14 36	1 55	15 11	1 11	20 7	0 8	20 22	0 37	8 11	1 40	3 33	14 32	19 9	19 30	18 3	7 0	1 39			
T 25	1 46	21 7	5 2	11 3	3 9	21 35	5 2	14 36	1 54	15 12	1 11	20 6	0 8	20 22	0 37	8 12	1 40	3 34	14 31	19 8	19 29	18 1	7 1	1 39			
W26	2 9	16 16	5 6	11 12	3 14	21 51	5 8	14 36	1 53	15 13	1 11	20 5	0 8	20 22	0 37	8 12	1 40	3 34	14 31	19 7	19 29	17 59	7 2	1 39			
T 27	2 33	10 22	4 49	11 18	3 18	22 7	5 13	14 36	1 52	15 15	1 11	20 5	0 8	20 22	0 37	8 13	1 40	3 35	14 31	19 5	19 28	17 56	7 4	1 39			
F 28	2 56	3 53	4 12	11 19	3 21	22 22	5 19	14 35	1 51	15 16	1 11	20 4	0 8	20 22	0 37	8 14	1 40	3 35	14 31	19 3	19 27	17 54	7 5	1 39			
S 29	3 20	2n45	3 19	11 16	3 21	22 36	5 24	14 35	1 51	15 17	1 11	20 3	0 8	20 22	0 37	8 15	1 40	3 36	14 31	19 1	19 26	17 52	7 6	1 39			
S 30	3 43	9 8	2 14	11 9	3 22	22 50	5 29	14 34	1 50	15 18	1 10	20 2	0 8	20 23	0 37	8 16	1 40	3 36	14 30	19 0	19 26	17 47	7 8	1 39			
M31	4n 6	14n53	1s 2	10n59	3n19	23n 3	5n34	14s33	1n49	15n19	1n10	20s 1	0s 9	20n23	0n37	8n16	1s40	3n37	14s30	19n 0	19n25	17n47	7n 9	1n39			

ASTRODIENST EPHEMERIS for the year 1873
geocentric

APRIL 1873

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	12 37 41	11°20'24	27°8' 3	19°R45	20°8'15	14°R39	21°R53	1°22'22	1°R47	25°V26	19°8'26	24°D51	26°8'34	25°Ω51	14°V20	T 1
W 2	12 41 37	12°19'32	10°11'17	19°Y11	20°42	14°M31	21°Ω50	1°26	1°Ω47	25°28	19°28	24°8'52	26°31	25°58	14°24	W 2
T 3	12 45 34	13°18'38	23° 6	18°33	21° 7	14°22	21°48	1°30	1°46	25°31	19°29	24°53	26°28	26° 4	14°28	T 3
F 4	12 49 30	14°17'42	5°35	17°52	21°30	14°12	21°45	1°33	1°46	25°33	19°30	24°54	26°24	26°11	14°31	F 4
S 5	12 53 27	15°16'43	17°47	17° 7	21°51	14° 2	21°42	1°37	1°46	25°35	19°31	24°R55	26°21	26°18	14°35	S 5
S 6	12 57 24	16°15'43	29°47	16°21	22°11	13°51	21°40	1°40	1°46	25°37	19°32	24°53	26°18	26°25	14°38	S 6
M 7	13 1 20	17°14'39	11°Ω41	15°34	22°28	13°39	21°38	1°44	1°45	25°40	19°33	24°51	26°15	26°31	14°42	M 7
T 8	13 5 17	18°13'34	23°33	14°48	22°44	13°26	21°36	1°47	1°45	25°42	19°34	24°46	26°12	26°38	14°46	T 8
W 9	13 9 13	19°12'26	5°M26	14° 2	22°57	13°13	21°35	1°50	1°D45	25°44	19°36	24°41	26° 8	26°45	14°49	W 9
T 10	13 13 10	20°11'16	17°24	13°18	23° 8	12°59	21°33	1°53	1°45	25°46	19°37	24°35	26° 5	26°51	14°53	T 10
F 11	13 17 6	21°10'04	29°30	12°36	23°17	12°45	21°32	1°56	1°45	25°49	19°38	24°28	26° 2	26°58	14°57	F 11
S 12	13 21 3	22° 8'50	11°Ω44	11°58	23°24	12°29	21°31	1°59	1°46	25°51	19°39	24°23	25°59	27° 5	15° 0	S 12
S 13	13 24 59	23° 7'34	24° 9	11°23	23°28	12°13	21°30	2° 2	1°46	25°53	19°40	24°19	25°56	27°12	15° 4	S 13
M14	13 28 56	24° 6'15	6°M45	10°53	23°R31	11°57	21°29	2° 5	1°46	25°55	19°42	24°16	25°53	27°18	15° 8	M14
T 15	13 32 53	25° 4'55	19°33	10°27	23°30	11°39	21°29	2° 7	1°46	25°58	19°43	24°D15	25°49	27°25	15°11	T 15
W16	13 36 49	26° 3'33	2°M34	10° 6	23°28	11°22	21°28	2°10	1°47	26° 0	19°44	24°15	25°46	27°32	15°15	W16
T 17	13 40 46	27° 2'10	15°47	9°49	23°23	11° 3	21°D28	2°12	1°47	26° 2	19°45	24°16	25°43	27°38	15°18	T 17
F 18	13 44 42	28° 0'45	29°13	9°38	23°15	10°44	21°28	2°15	1°48	26° 4	19°47	24°17	25°40	27°45	15°22	F 18
S 19	13 48 39	28°59'18	12°Ω54	9°32	23° 5	10°25	21°28	2°17	1°48	26° 7	19°48	24°19	25°37	27°52	15°25	S 19
S 20	13 52 35	29°57'49	26°48	9°D32	22°52	10° 5	21°29	2°19	1°49	26° 9	19°49	24°R20	25°34	27°59	15°29	S 20
M21	13 56 32	0°8'56'19	10°Ω57	9°36	22°38	9°45	21°29	2°21	1°49	26°11	19°51	24°19	25°30	28° 5	15°33	M21
T 22	14 0 28	1°54'47	25°17	9°45	22°20	9°24	21°30	2°23	1°50	26°13	19°52	24°18	25°27	28°12	15°36	T 22
W23	14 4 25	2°53'14	9°M46	9°59	22° 1	9° 3	21°31	2°25	1°51	26°16	19°53	24°16	25°24	28°19	15°40	W23
T 24	14 8 22	3°51'38	24°19	10°18	21°39	8°42	21°32	2°27	1°51	26°18	19°54	24°13	25°21	28°26	15°43	T 24
F 25	14 12 18	4°50'02	8°Y52	10°41	21°15	8°20	21°33	2°29	1°52	26°20	19°56	24°10	25°18	28°32	15°47	F 25
S 26	14 16 15	5°48'23	23°17	11° 8	20°49	7°58	21°35	2°31	1°53	26°22	19°57	24° 8	25°14	28°39	15°50	S 26
S 27	14 20 11	6°46'43	7°8'29	11°40	20°20	7°36	21°36	2°32	1°54	26°25	19°58	24° 7	25°11	28°46	15°54	S 27
M28	14 24 8	7°45'01	21°24	12°16	19°50	7°14	21°38	2°34	1°55	26°27	20° 0	24°D 6	25° 8	28°52	15°57	M28
T 29	14 28 4	8°43'17	4°M57	12°55	19°19	6°52	21°40	2°35	1°56	26°29	20° 1	24° 6	25° 5	28°59	16° 0	T 29
W30	14 32 1	9°41'32	18°M 9	13°Y39	18°8'46	6°M29	21°Ω43	2°36	1°57	26°V31	20°8' 2	24°8' 7	25°8' 2	29°Ω 6	16°V 4	W30

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	4n29	19n43	0n12	10n44	3n15	23n16	5n39	14s32	1n48	15n20	1n10	20s 1	0s 9	20n23	0n37	8n17	1s40	3n37	14s30	19n 0	19n24	17n45	7n10	1n39										
W 2	4 52	23 22	1 23	10 26	3 9	23 27	5 44	14 31	1 46	15 21	1 10	20 0	0 9	20 23	0 37	8 18	1 40	3 38	14 30	19 0	19 23	17 43	7 12	1 39										
T 3	5 16	25 43	2 27	10 5	3 2	23 38	5 48	14 29	1 45	15 21	1 10	19 59	0 9	20 23	0 37	8 19	1 40	3 38	14 29	19 0	19 23	17 40	7 13	1 39										
F 4	5 38	26 43	3 23	9 41	2 53	23 49	5 52	14 27	1 44	15 22	1 10	19 58	0 9	20 23	0 37	8 20	1 40	3 39	14 29	19 0	19 22	17 38	7 14	1 39										
S 5	6 1	26 22	4 8	9 14	2 43	23 58	5 56	14 26	1 43	15 23	1 10	19 58	0 9	20 23	0 37	8 21	1 40	3 39	14 29	19 1	19 21	17 36	7 16	1 38										
S 6	6 24	24 47	4 41	8 46	2 31	24 7	6 0	14 24	1 42	15 23	1 10	19 57	0 9	20 23	0 37	8 21	1 40	3 40	14 29	19 0	19 20	17 33	7 17	1 38										
M 7	6 47	22 8	5 2	8 16	2 18	24 15	6 4	14 21	1 40	15 24	1 10	19 56	0 9	20 23	0 37	8 22	1 40	3 40	14 29	19 0	19 20	17 31	7 19	1 38										
T 8	7 9	18 33	5 10	7 45	2 4	24 23	6 7	14 19	1 39	15 25	1 9	19 56	0 9	20 23	0 37	8 23	1 40	3 41	14 28	18 59	19 19	17 29	7 20	1 38										
W 9	7 32	14 15	5 5	7 13	1 49	24 29	6 10	14 16	1 37	15 25	1 9	19 55	0 9	20 23	0 37	8 24	1 40	3 41	14 28	18 57	19 18	17 26	7 21	1 38										
T 10	7 54	9 22	4 46	6 42	1 34	24 34	6 13	14 14	1 36	15 25	1 9	19 54	0 9	20 23	0 37	8 25	1 40	3 41	14 28	18 56	19 17	17 24	7 23	1 38										
F 11	8 16	4 6	4 15	6 10	1 18	24 39	6 15	14 11	1 34	15 26	1 9	19 54	0 10	20 23	0 37	8 25	1 40	3 42	14 28	18 54	19 17	17 22	7 24	1 38										
S 12	8 38	1s24	3 31	5 40	1 1	24 43	6 17	14 8	1 32	15 26	1 9	19 53	0 10	20 23	0 37	8 26	1 40	3 42	14 28	18 53	19 16	17 19	7 25	1 38										
S 13	9 0	6 56	2 37	5 11	0 45	24 45	6 18	14 4	1 31	15 26	1 9	19 53	0 10	20 23	0 37	8 27	1 40	3 43	14 28	18 52	19 15	17 17	7 27	1 38										
M14	9 21	12 18	1 34	4 44	0 28	24 47	6 20	14 1	1 29	15 26	1 9	19 52	0 10	20 23	0 37	8 28	1 40	3 43	14 27	18 51	19 14	17 15	7 28	1 38										
T 15	9 43	17 13	0 26	4 19	0 12	24 48	6 20	13 58	1 27	15 26	1 9	19 52	0 10	20 22	0 37	8 29	1 40	3 44	14 27	18 51	19 14	17 12	7 29	1 38										
W16	10 4	21 26	0s45	3 56	0s 5	24 47	6 20	13 54	1 25	15 26	1 8	19 51	0 10	20 22	0 37	8 30	1 40	3 44	14 27	18 51	19 13	17 10	7 31	1 38										
T 17	10 25	24 37	1 55	3 35	0 20	24 45	6 20	13 50	1 23	15 26	1 8	19 51	0 10	20 22	0 37	8 30	1 40	3 45	14 27	18 51	19 12	17 7	7 32	1 38										
F 18	10 47	26 27	3 0	3 17	0 36	24 43	6 19	13 46	1 21	15 26	1 8	19 50	0 10	20 22	0 36	8 31	1 40	3 45	14 27	18 51	19 11	17 5	7 33	1 38										
S 19	11 7	26 45	3 56	3 1	0 50	24 39	6 18	13 42	1 19	15 26	1 8	19 50	0 10	20 22	0 36	8 32	1 40	3 46	14 27	18 52	19 11	17 3	7 35	1 38										
S 20	11 28	25 22	4 39	2 48	1 4	24 34	6 16	13 38	1 17	15 26	1 8	19 50	0 10	20 22	0 36	8 33	1 40	3 46	14 27	18 52	19 10	17 0	7 36	1 38										
M21	11 49	22 24	5 6	2 37	1 17	24 27	6 14	13 33	1 15	15 25	1 8	19 49	0 10	20 22	0 36	8 34	1 40	3 46	14 27	18 52	19 9	16 58	7 37	1 38										
T 22	12 9	18 2	5 14	2 29	1 30	24 20	6 11	13 29	1 13	15 25	1 8	19 49	0 11	20 21	0 36	8 34	1 40	3 47	14 26	18 52	19 8	16 55	7 39	1 37										
W23	12 29	12 35	5 3	2 24	1 42	24 11	6 7	13 24	1 11	15 25	1 8	19 48	0 11	20 21	0 36	8 35	1 40	3 47	14 26	18 51	19 8	16 53	7 40	1 37										
T 24	12 49	6 25	4 32	2 21	1 53	24 1	6 2	13 20	1 8	15 24	1 7	19 48	0 11	20 21	0 36	8 36	1 40	3 48	14 26	18 50	19 7	16 51	7 41	1 37										
F 25	13 9	0n 5	3 44	2 21	2 3	23 49	5 57	13 15	1 6	15 24	1 7	19 48	0 11	20 21	0 36	8 37	1 40	3 48	14 26	18 50	19 6	16 48	7 43	1 37										
S 26	13 28	6 33	2 42	2 23	2 12	23 37	5 51	13 10	1 4	15 23	1 7	19 48	0 11	20 21	0 36	8 38	1 40	3 49	14 26	18 49	19 5	16 46	7 44	1 37										
S 27	13 47	12 36	1 30	2 27	2 21	23 23	5 45	13 6	1 1	15 22	1 7	19 47	0 11	20 20	0 36	8 38	1 40	3 49	14 26	18 49	19 5	16 43	7 45	1 37										
M28	14 6	17 53	0 15	2 34	2 29	23 7	5 38	13 1	0 59	15 22	1 7	19 47	0 11	20 20	0 36	8 39	1 40	3 49	14 26	18 49	19 4	16 41	7 47	1 37										
T 29	14 25	22 7	1n 0	2 43	2 36	22 51	5 30	12 56	0 56	15 21	1 7	19 47	0 11	20 20	0 36	8 40	1 40	3 50	14 26	18 49	19 3	16 38	7 48	1 37										
W30	14n44	25n 4	2n 9	2n54	2s42	22n33	5n21	12s51	0n54	15n20	1n 7	19s47	0s11	20n20	0n36	8n41	1s40	3n50	14s26	18n49	19n 2	16n36	7n49	1n37										

ASTRODIENST EPHEMERIS for the year 1873
geocentric

MAY 1873

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 35 57	10♈39'44	1♉0	14♊26	18°R11	6°R 7	21♌45	2♍37	1♎58	26♏34	20♐ 4	24♑ 8	24♒59	29♓13	16♈ 7	T 1
F 2	14 39 54	11°37'55	13°31	15°16	17♈35	5♉45	21°47	2°38	2° 0	26°36	20° 5	24° 9	24°55	29°19	16°11	F 2
S 3	14 43 51	12°36'03	25°46	16°10	16°59	5°23	21°50	2°39	2° 1	26°38	20° 6	24°10	24°52	29°26	16°14	S 3
S 4	14 47 47	13°34'10	7♊49	17° 6	16°22	5° 1	21°53	2°40	2° 2	26°40	20° 8	24°11	24°49	29°33	16°17	S 4
M 5	14 51 44	14°32'15	19°45	18° 6	15°44	4°39	21°56	2°41	2° 4	26°42	20° 9	24°R11	24°46	29°39	16°21	M 5
T 6	14 55 40	15°30'17	1♊38	19° 9	15° 6	4°17	21°59	2°42	2° 5	26°45	20°10	24°10	24°43	29°46	16°24	T 6
W 7	14 59 37	16°28'18	13°33	20°14	14°28	3°56	22° 3	2°42	2° 6	26°47	20°12	24°10	24°40	29°53	16°27	W 7
T 8	15 3 33	17°26'17	25°33	21°23	13°51	3°35	22° 6	2°43	2° 8	26°49	20°13	24° 9	24°36	29°59	16°31	T 8
F 9	15 7 30	18°24'14	7♊43	22°33	13°14	3°14	22°10	2°43	2° 9	26°51	20°15	24° 8	24°33	0♊6	16°34	F 9
S 10	15 11 26	19°22'09	20° 6	23°47	12°38	2°54	22°14	2°43	2°11	26°53	20°16	24° 7	24°30	0°13	16°37	S 10
S 11	15 15 23	20°20'03	2♊43	25° 3	12° 3	2°34	22°18	2°44	2°13	26°55	20°17	24° 7	24°27	0°20	16°40	S 11
M12	15 19 20	21°17'55	15°36	26°21	11°29	2°15	22°22	2°R44	2°14	26°57	20°19	24° 7	24°24	0°27	16°43	M12
T 13	15 23 16	22°15'45	28°45	27°42	10°57	1°56	22°27	2°44	2°16	26°59	20°20	24°D 7	24°20	0°33	16°46	T 13
W14	15 27 13	23°13'35	12♊9	29° 5	10°26	1°37	22°31	2°44	2°18	27° 2	20°21	24° 7	24°17	0°40	16°49	W14
T 15	15 31 9	24°11'23	25°47	0♈31	9°57	1°20	22°36	2°43	2°20	27° 4	20°23	24°R 7	24°14	0°47	16°53	T 15
F 16	15 35 6	25° 9'09	9♈38	1°59	9°30	1° 2	22°41	2°43	2°22	27° 6	20°24	24° 7	24°11	0°53	16°56	F 16
S 17	15 39 2	26° 6'55	23°38	3°29	9° 5	0°46	22°46	2°43	2°24	27° 8	20°25	24° 7	24° 8	1° 0	16°59	S 17
S 18	15 42 59	27° 4'39	7♈45	5° 1	8°42	0°30	22°51	2°42	2°26	27°10	20°27	24° 6	24° 5	1° 7	17° 2	S 18
M19	15 46 55	28° 2'22	21°57	6°36	8°21	0°15	22°57	2°42	2°28	27°12	20°28	24°D 6	24° 1	1°14	17° 5	M19
T 20	15 50 52	29° 0'04	6♈12	8°13	8° 3	0° 0	23° 2	2°41	2°30	27°14	20°29	24° 6	23°58	1°20	17° 7	T 20
W21	15 54 49	29°57'45	20°26	9°52	7°47	29♊46	23° 8	2°40	2°32	27°16	20°31	24° 7	23°55	1°27	17°10	W21
T 22	15 58 45	0♈55'25	4♊36	11°34	7°34	29°33	23°14	2°39	2°34	27°18	20°32	24° 7	23°52	1°34	17°13	T 22
F 23	16 2 42	1°53'04	18°42	13°17	7°23	29°21	23°20	2°38	2°36	27°20	20°33	24° 8	23°49	1°41	17°16	F 23
S 24	16 6 38	2°50'42	2♈38	15° 3	7°14	29° 9	23°26	2°37	2°38	27°22	20°35	24° 8	23°45	1°47	17°19	S 24
S 25	16 10 35	3°48'19	16°24	16°51	7° 8	28°58	23°32	2°36	2°41	27°24	20°36	24° 9	23°42	1°54	17°22	S 25
M26	16 14 31	4°45'55	29°56	18°41	7° 4	28°48	23°38	2°35	2°43	27°25	20°37	24°R 9	23°39	2° 1	17°24	M26
T 27	16 18 28	5°43'30	13♈13	20°34	7°D 3	28°39	23°45	2°33	2°45	27°27	20°39	24° 8	23°36	2° 7	17°27	T 27
W28	16 22 24	6°41'04	26°14	22°29	7° 4	28°31	23°51	2°32	2°48	27°29	20°40	24° 7	23°33	2°14	17°30	W28
T 29	16 26 21	7°38'37	8♈57	24°25	7° 7	28°23	23°58	2°30	2°50	27°31	20°41	24° 6	23°30	2°21	17°32	T 29
F 30	16 30 18	8°36'08	21°26	26°24	7°12	28°16	24° 5	2°29	2°53	27°33	20°43	24° 4	23°26	2°28	17°35	F 30
S 31	16 34 14	9♈33'38	3♊40	28♈25	7♊20	28♊10	24♊12	2♋27	2♌55	27♏35	20♐44	24♑ 1	23♒23	2♓34	17♈37	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	15n 2	26n37	3n10	3n 7	2s48	22n15	5n12	12s46	0n51	15n19	1n 7	19s46	0s11	20n19	0n36	8n42
F 2	15 20	26 45	4 0	3 22	2 53	21 55	5 2	12 41	0 49	15 18	1 6	19 46	0 12	20 19	0 36	8 42
S 3	15 38	25 34	4 38	3 38	2 57	21 34	4 52	12 36	0 46	15 17	1 6	19 46	0 12	20 19	0 36	8 43
S 4	15 55	23 13	5 4	3 57	3 0	21 13	4 40	12 31	0 43	15 16	1 6	19 46	0 12	20 18	0 36	8 44
M 5	16 13	19 53	5 15	4 17	3 3	20 51	4 29	12 26	0 41	15 15	1 6	19 46	0 12	20 18	0 36	8 45
T 6	16 30	15 47	5 14	4 39	3 5	20 28	4 16	12 22	0 38	15 14	1 6	19 46	0 12	20 18	0 36	8 45
W 7	16 46	11 4	4 58	5 3	3 6	20 4	4 4	12 17	0 35	15 12	1 6	19 46	0 12	20 17	0 36	8 46
T 8	17 3	5 54	4 30	5 28	3 6	19 40	3 51	12 12	0 33	15 11	1 6	19 46	0 12	20 17	0 36	8 47
F 9	17 19	0 27	3 49	5 54	3 6	19 16	3 37	12 8	0 30	15 10	1 5	19 46	0 12	20 17	0 36	8 48
S 10	17 35	5s 7	2 57	6 22	3 6	18 52	3 23	12 4	0 27	15 8	1 5	19 46	0 12	20 16	0 36	8 48
S 11	17 51	10 37	1 56	6 51	3 4	18 28	3 9	11 59	0 25	15 7	1 5	19 46	0 12	20 16	0 36	8 49
M12	18 6	15 46	0 47	7 21	3 2	18 4	2 55	11 55	0 22	15 5	1 5	19 46	0 13	20 15	0 36	8 50
T 13	18 21	20 19	0s26	7 52	3 0	17 40	2 41	11 51	0 19	15 4	1 5	19 46	0 13	20 15	0 36	8 51
W14	18 36	23 53	1 38	8 24	2 56	17 16	2 26	11 47	0 16	15 2	1 5	19 46	0 13	20 15	0 36	8 51
T 15	18 50	26 10	2 47	8 58	2 53	16 54	2 12	11 44	0 14	15 1	1 5	19 46	0 13	20 14	0 36	8 52
F 16	19 4	26 52	3 46	9 32	2 48	16 31	1 57	11 40	0 11	14 59	1 5	19 47	0 13	20 14	0 36	8 53
S 17	19 18	25 52	4 33	10 7	2 43	16 10	1 43	11 37	0 8	14 57	1 4	19 47	0 13	20 13	0 36	8 54
S 18	19 31	23 14	5 4	10 43	2 38	15 49	1 29	11 34	0 6	14 55	1 4	19 47	0 13	20 13	0 36	8 54
M19	19 44	19 11	5 16	11 20	2 32	15 29	1 15	11 31	0 3	14 53	1 4	19 47	0 13	20 12	0 36	8 55
T 20	19 57	14 2	5 10	11 58	2 25	15 10	1 1	11 28	0 0	14 51	1 4	19 48	0 13	20 12	0 36	8 56
W21	20 9	8 9	4 44	12 36	2 18	14 52	0 48	11 26	0s 2	14 49	1 4	19 48	0 14	20 11	0 36	8 56
T 22	20 22	1 51	4 1	13 14	2 11	14 35	0 35	11 24	0 5	14 47	1 4	19 48	0 14	20 11	0 36	8 57
F 23	20 33	4n30	3 4	13 53	2 3	14 20	0 22	11 22	0 7	14 45	1 4	19 48	0 14	20 10	0 36	8 58
S 24	20 45	10 35	1 56	14 32	1 55	14 5	0 9	11 20	0 10	14 43	1 4	19 49	0 14	20 10	0 36	8 58
S 25	20 56	16 4	0 43	15 11	1 46	13 51	0s 3	11 18	0 12	14 41	1 3	19 49	0 14	20 9	0 36	8 59
M26	21 6	20 40	0n32	15 51	1 37	13 39	0 15	11 17	0 15	14 39	1 3	19 50	0 14	20 9	0 36	9 0
T 27	21 17	24 7	1 44	16 30	1 27	13 28	0 26	11 16	0 17	14 37	1 3	19 50	0 14	20 8	0 36	9 0
W28	21 27	26 12	2 48	17 9	1 17	13 18	0 37	11 15	0 19	14 34	1 3	19 50	0 14	20 8	0 36	9 1
T 29	21 36	26 52	3 43	17 48	1 7	13 8	0 48	11 15	0 22	14 32	1 3	19 51	0 14	20 7	0 35	9 1
F 30	21 45	26 7	4 26	18 26	0 57	13 0	0 58	11 15	0 24	14 29	1 3	19 51	0 14	20 6	0 35	9 2
S 31	21n54	24n 8	4n56	19n 4	0s46	12n54	1s 8	11s15	0s26	14n27	1n 3	19s52	0s15	20n 6	0n35	9n 3

Julian Day Number = 2405279.5, Delta T = -0.32 sec
Ecliptic obliquity = 23°27'26, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°58'17, Lahiri = 22°05'17

ASTRODIENST EPHEMERIS for the year 1873

geocentric

JUNE 1873

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 38 11	10 ^{II} 31'07	15 ^Ω 44	0 ^{II} 28	7 ^Ω 30	28°R 5	24 ^Ω 19	2°R25	2 ^Ω 58	27 ^Υ 36	20 ^Ω 45	24°R 0	23 ^Ω 20	2 ^η 41	17 ^Υ 40	S 1
M 2	16 42 7	11°28'34	27°40	2°32	7°41	28 ^Ω 1	24°27	2 ^Ω 23	3° 0	27°38	20°47	23 ^Ω 58	23°17	2°48	17°42	M 2
T 3	16 46 4	12°26'01	9 ^η 33	4°39	7°55	27°57	24°34	2°21	3° 3	27°40	20°48	23°D58	23°14	2°54	17°45	T 3
W 4	16 50 0	13°23'26	21°28	6°46	8°11	27°55	24°42	2°19	3° 5	27°42	20°49	23°58	23°11	3° 1	17°47	W 4
T 5	16 53 57	14°20'50	3 ^Ω 28	8°55	8°29	27°53	24°49	2°17	3° 8	27°43	20°50	23°59	23° 7	3° 8	17°50	T 5
F 6	16 57 53	15°18'13	15°40	11° 6	8°48	27°52	24°57	2°15	3°11	27°45	20°52	24° 0	23° 4	3°15	17°52	F 6
S 7	17 1 50	16°15'34	28° 6	13°17	9°10	27°D52	25° 5	2°12	3°14	27°47	20°53	24° 2	23° 1	3°21	17°54	S 7
S 8	17 5 47	17°12'55	10 ^η 51	15°28	9°33	27°52	25°13	2°10	3°16	27°48	20°54	24° 3	22°58	3°28	17°56	S 8
M 9	17 9 43	18°10'15	23°56	17°40	9°58	27°54	25°21	2° 8	3°19	27°50	20°55	24°R 3	22°55	3°35	17°59	M 9
T 10	17 13 40	19° 7'34	7 ^Ω 22	19°52	10°24	27°56	25°30	2° 5	3°22	27°51	20°56	24° 3	22°51	3°42	18° 1	T 10
W11	17 17 36	20° 4'53	21° 9	22° 4	10°52	27°59	25°38	2° 2	3°25	27°53	20°58	24° 1	22°48	3°48	18° 3	W11
T 12	17 21 33	21° 2'10	5 ^Ω 14	24°15	11°21	28° 2	25°46	2° 0	3°28	27°55	20°59	23°58	22°45	3°55	18° 5	T 12
F 13	17 25 29	21°59'28	19°32	26°26	11°52	28° 7	25°55	1°57	3°31	27°56	21° 0	23°54	22°42	4° 2	18° 7	F 13
S 14	17 29 26	22°56'44	3 ^Ω 59	28°36	12°25	28°12	26° 4	1°54	3°34	27°58	21° 1	23°50	22°39	4° 8	18° 9	S 14
S 15	17 33 23	23°54'01	18°28	0 ^Ω 44	12°58	28°18	26°13	1°51	3°37	27°59	21° 2	23°47	22°36	4°15	18°11	S 15
M16	17 37 19	24°51'16	2 ^Ω 55	2°51	13°33	28°25	26°22	1°48	3°40	28° 0	21° 4	23°44	22°32	4°22	18°13	M16
T 17	17 41 16	25°48'32	17°15	4°57	14° 9	28°32	26°31	1°45	3°43	28° 2	21° 5	23°42	22°29	4°29	18°14	T 17
W18	17 45 12	26°45'47	1 ^Υ 24	7° 1	14°47	28°40	26°40	1°42	3°46	28° 3	21° 6	23°D42	22°26	4°35	18°16	W18
T 19	17 49 9	27°43'02	15°22	9° 3	15°25	28°49	26°49	1°38	3°49	28° 5	21° 7	23°43	22°23	4°42	18°18	T 19
F 20	17 53 5	28°40'17	29° 7	11° 3	16° 5	28°58	26°58	1°35	3°52	28° 6	21° 8	23°44	22°20	4°49	18°20	F 20
S 21	17 57 2	29°37'32	12 ^Ω 40	13° 1	16°46	29° 9	27° 8	1°32	3°56	28° 7	21° 9	23°46	22°17	4°55	18°21	S 21
S 22	18 0 58	0 ^Ω 34'47	26° 0	14°57	17°27	29°19	27°17	1°28	3°59	28° 9	21°10	23°R46	22°13	5° 2	18°23	S 22
M23	18 4 55	1°32'02	9 ^{II} 9	16°51	18°10	29°31	27°27	1°25	4° 2	28°10	21°11	23°45	22°10	5° 9	18°24	M23
T 24	18 8 52	2°29'17	22° 4	18°43	18°53	29°43	27°37	1°21	4° 5	28°11	21°13	23°42	22° 7	5°16	18°26	T 24
W25	18 12 48	3°26'31	4 ^Ω 48	20°33	19°38	29°56	27°47	1°18	4° 9	28°12	21°14	23°38	22° 4	5°22	18°27	W25
T 26	18 16 45	4°23'45	17°20	22°20	20°23	0 ^η 9	27°57	1°14	4°12	28°13	21°15	23°31	22° 1	5°29	18°29	T 26
F 27	18 20 41	5°20'59	29°39	24° 6	21° 9	0°23	28° 7	1°10	4°15	28°14	21°16	23°24	21°58	5°36	18°30	F 27
S 28	18 24 38	6°18'12	11 ^Ω 49	25°49	21°56	0°38	28°17	1° 7	4°19	28°16	21°17	23°16	21°54	5°43	18°31	S 28
S 29	18 28 34	7°15'26	23°49	27°30	22°44	0°53	28°27	1° 3	4°22	28°17	21°18	23° 9	21°51	5°49	18°33	S 29
M30	18 32 31	8° ^Ω 12'38	5 ^η 44	29° ^Ω 8	23 ^Ω 33	1 ^η 9	28 ^Ω 37	0 ^Ω 59	4 ^Ω 25	28 ^Υ 18	21 ^Ω 19	23 ^Ω 3	21 ^Ω 48	5 ^η 56	18 ^Υ 34	M30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	22n 2	21n 5	5n12	19n41	0s36	12n48	1s18	11s15	0s29	14n25	1n 3	19s52	0s15	20n 5	0n35	9n 3	1s41	4n 1	14s25	18n47	18n37	15n15	8n26	1n37	
M 2	22 11	17 12	5 15	20 17	0 25	12 43	1 27	11 15	0 31	14 22	1 3	19 53	0 15	20 5	0 35	9 4	1 41	4 1	14 26	18 47	18 36	15 13	8 26	1 37	
T 3	22 18	12 41	5 4	20 51	0 14	12 39	1 36	11 16	0 33	14 19	1 2	19 53	0 15	20 4	0 35	9 4	1 41	4 1	14 26	18 47	18 36	15 10	8 27	1 37	
W 4	22 25	7 40	4 40	21 24	0 3	12 36	1 44	11 17	0 35	14 17	1 2	19 54	0 15	20 3	0 35	9 5	1 41	4 2	14 26	18 47	18 35	15 8	8 28	1 37	
T 5	22 32	2 20	4 3	21 56	0n 7	12 34	1 52	11 19	0 37	14 14	1 2	19 55	0 15	20 3	0 35	9 6	1 41	4 2	14 26	18 47	18 34	15 5	8 29	1 37	
F 6	22 39	3s10	3 16	22 25	0 18	12 33	2 0	11 20	0 39	14 11	1 2	19 55	0 15	20 2	0 35	9 6	1 41	4 2	14 26	18 47	18 33	15 2	8 30	1 37	
S 7	22 45	8 40	2 18	22 53	0 28	12 33	2 7	11 22	0 41	14 9	1 2	19 56	0 15	20 1	0 35	9 7	1 41	4 2	14 26	18 48	18 32	15 0	8 31	1 37	
S 8	22 51	13 57	1 12	23 18	0 38	12 34	2 14	11 24	0 43	14 6	1 2	19 56	0 15	20 1	0 35	9 7	1 41	4 3	14 26	18 48	18 32	14 57	8 32	1 37	
M 9	22 56	18 45	0 1	23 41	0 48	12 35	2 21	11 26	0 45	14 3	1 2	19 57	0 15	20 0	0 35	9 8	1 42	4 3	14 26	18 48	18 31	14 55	8 33	1 37	
T 10	23 1	22 45	1s12	24 1	0 57	12 38	2 27	11 29	0 47	14 0	1 2	19 58	0 16	19 59	0 35	9 8	1 42	4 3	14 26	18 48	18 30	14 52	8 33	1 37	
W11	23 5	25 32	2 23	24 19	1 6	12 41	2 33	11 32	0 49	13 57	1 2	19 59	0 16	19 59	0 35	9 9	1 42	4 3	14 26	18 47	18 29	14 49	8 34	1 37	
T 12	23 9	26 48	3 27	24 34	1 14	12 44	2 38	11 35	0 51	13 54	1 2	19 59	0 16	19 58	0 35	9 9	1 42	4 3	14 27	18 47	18 28	14 47	8 35	1 37	
F 13	23 13	26 17	4 18	24 46	1 21	12 49	2 44	11 38	0 53	13 51	1 1	20 0	0 16	19 57	0 35	9 10	1 42	4 3	14 27	18 46	18 28	14 44	8 36	1 37	
S 14	23 16	24 2	4 54	24 55	1 28	12 54	2 49	11 42	0 55	13 48	1 1	20 1	0 16	19 57	0 35	9 10	1 42	4 4	14 27	18 45	18 27	14 41	8 37	1 37	
S 15	23 19	20 13	5 11	25 1	1 34	12 59	2 53	11 45	0 56	13 45	1 1	20 1	0 16	19 56	0 35	9 11	1 42	4 4	14 27	18 44	18 26	14 39	8 37	1 37	
M16	23 21	15 14	5 8	25 5	1 40	13 6	2 58	11 49	0 58	13 42	1 1	20 2	0 16	19 55	0 35	9 11	1 42	4 4	14 27	18 43	18 25	14 36	8 38	1 37	
T 17	23 23	9 26	4 46	25 6	1 44	13 12	3 2	11 54	1 0	13 39	1 1	20 3	0 16	19 54	0 35	9 12	1 42	4 4	14 27	18 43	18 24	14 33	8 39	1 37	
W18	23 25	3 13	4 7	25 4	1 48	13 20	3 5	11 58	1 1	13 35	1 1	20 4	0 16	19 54	0 35	9 12	1 42	4 4	14 27	18 43	18 24	14 31	8 39	1 37	
T 19	23 26	3n 4	3 14	25 0	1 51	13 27	3 9	12 3	1 3	13 32	1 1	20 5	0 17	19 53	0 35	9 13	1 42	4 4	14 27	18 43	18 23	14 28	8 40	1 37	
F 20	23 27	9 8	2 10	24 53	1 54	13 36	3 12	12 7	1 5	13 29	1 1	20 6	0 17	19 52	0 35	9 13	1 42	4 4	14 28	18 43	18 22	14 25	8 41	1 37	
S 21	23 27	14 42	1 0	24 44	1 56	13 44	3 15	12 12	1 6	13 26	1 1	20 6	0 17	19 51	0 35	9 13	1 42	4 5	14 28	18 44	18 21	14 23	8 41	1 37	
S 22	23 27	19 28	0n12	24 33	1 57	13 53	3 18	12 18	1 8	13 22	1 1	20 7	0 17	19 51	0 35	9 14	1 42	4 5	14 28	18 44	18 20	14 20	8 42	1 37	
M23	23 27	23 12	1 23	24 20	1 57	14 2	3 20	12 23	1 9	13 19	1 1	20 8	0 17	19 50	0 35	9 14	1 42	4 5	14 28	18 43	18 19	14 17	8 43	1 37	
T 24	23 26	25 40	2 28	24 4	1 57	14 12	3 23	12 29	1 11	13 15	1 0	20 9	0 17	19 49	0 35	9 15	1 42	4 5	14 28	18 43	18 19	14 15	8 43	1 37	
W25	23 25	26 46	3 24	23 47	1 55	14 22	3 25	12 35	1 12	13 12	1 0	20 10	0 17	19 48	0 35	9 15	1 42	4 5	14 28	18 42	18 18	14 12	8 44	1 37	
T 26	23 23	26 27	4 9	23 28	1 54	14 32	3 27	12 41	1 13	13 8	1 0	20 11	0 17	19 47	0 35	9 15	1 42	4 5	14 29	18 40	18 17	14 9	8 44	1 37	
F 27	23 21	24 50	4 42	23 8	1 51	14 43	3 28	12 47	1 15	13 5	1 0	20 12	0 17	19 47	0 35	9 16	1 42	4 5	14 29	18 38	18 16	14 7	8 45	1 37	
S 28	23 18	22 5	5 2	22 46	1 48																				
S 29	23 15	18 26	5 8	22 23	1 44	15 4	3 31	13 0	1 17	12 58	1 0	20 14	0 18	19 46	0 35	9 16	1 42	4 5	14 29	18 34	18 15	14 1	8 46	1 37	
M30	23n12	14n 4	5n 1	21n59	1n40	15n15	3s32	13s 6	1s19	12n54	1n 0	20s15	0s18	19n44	0n35	9n17	1s43	4n 5	14s29	18n33	18n14	13n59	8n46	1n37	

ASTRODIENST EPHEMERIS for the year 1873
geocentric

JULY 1873

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	18 36 27	9 ⁵⁵ 9'51	17 ¹⁷ 35	0 ⁴⁵ 45	24 ⁸ 22	1 ¹⁶ 25	28 ⁸ 48	0 ⁵⁵ 55	4 ²⁹ 29	28 ¹⁹ 19	21 ⁸ 20	22 ⁵ 59	21 ⁸ 45	6 ¹⁷ 3	18 ¹⁷ 35	T 1
W 2	18 40 24	10 ⁰ 7'03	29 ² 28	2 ¹⁹ 19	25 ¹² 12	1 ⁴² 42	28 ⁵⁸ 58	0 ⁵¹ 51	4 ³² 32	28 ²⁰ 20	21 ²¹ 21	22 ⁵⁶ 56	21 ⁴² 42	6 ⁹ 9	18 ³⁶ 36	W 2
T 3	18 44 21	11 ⁰ 4'15	11 ¹² 27	3 ⁵² 52	26 ² 2	2 ⁰ 0	29 ⁹ 9	0 ⁴⁷ 47	4 ³⁶ 36	28 ²¹ 21	21 ²² 22	22 ⁵⁶ 56	21 ³⁸ 38	6 ¹⁶ 16	18 ³⁷ 37	T 3
F 4	18 48 17	12 ⁰ 1'26	23 ³⁷ 37	5 ²¹ 21	26 ⁵³ 53	2 ¹⁸ 18	29 ¹⁹ 19	0 ⁴³ 43	4 ³⁹ 39	28 ²² 22	21 ²² 22	22 ⁵⁶ 56	21 ³⁵ 35	6 ²³ 23	18 ³⁸ 38	F 4
S 5	18 52 14	12 ⁵⁸ 38	6 ¹¹ 2	6 ⁴⁹ 49	27 ⁴⁵ 45	2 ³⁶ 36	29 ³⁰ 30	0 ³⁹ 39	4 ⁴³ 43	28 ²² 22	21 ²³ 23	22 ⁵⁷ 57	21 ³² 32	6 ³⁰ 30	18 ³⁹ 39	S 5
S 6	18 56 10	13 ⁵⁵ 49	18 ⁴⁸ 48	8 ¹⁴ 14	28 ³⁸ 38	2 ⁵⁵ 55	29 ⁴¹ 41	0 ³⁵ 35	4 ⁴⁶ 46	28 ²³ 23	21 ²⁴ 24	22 ⁵⁸ 58	21 ²⁹ 29	6 ³⁶ 36	18 ⁴⁰ 40	S 6
M 7	19 0 7	14 ⁵³ 0'1	1 ⁵⁷ 57	9 ³⁸ 38	29 ³¹ 31	3 ¹⁵ 15	29 ⁵¹ 51	0 ³⁰ 30	4 ⁵⁰ 50	28 ²⁴ 24	21 ²⁵ 25	22 ⁵⁸ 58	21 ²⁶ 26	6 ⁴³ 43	18 ⁴¹ 41	M 7
T 8	19 4 3	15 ⁵⁰ 12	15 ³³ 33	10 ⁵⁸ 58	0 ¹¹ 24	3 ³⁵ 35	0 ¹¹ 24	0 ²⁶ 26	4 ⁵³ 53	28 ²⁵ 25	21 ²⁶ 26	22 ⁵⁶ 56	21 ²³ 23	6 ⁵⁰ 50	18 ⁴² 42	T 8
W 9	19 8 0	16 ⁴⁷ 23	29 ³⁵ 35	12 ¹⁷ 17	1 ¹⁸ 18	3 ⁵⁵ 55	0 ¹³ 13	0 ²² 22	4 ⁵⁷ 57	28 ²⁶ 26	21 ²⁷ 27	22 ⁵² 52	21 ¹⁹ 19	6 ⁵⁶ 56	18 ⁴² 42	W 9
T 10	19 11 56	17 ⁴⁴ 35	14 ³ 0	13 ³² 32	2 ¹³ 13	4 ¹⁶ 16	0 ²⁴ 24	0 ¹⁸ 18	5 ⁰ 0	28 ²⁷ 27	21 ²⁸ 28	22 ⁴⁵ 45	21 ¹⁶ 16	7 ³ 3	18 ⁴³ 43	T 10
F 11	19 15 53	18 ⁴¹ 46	28 ⁴³ 43	14 ⁴⁶ 46	3 ⁸ 8	4 ³⁸ 38	0 ³⁵ 35	0 ¹³ 13	5 ⁴ 4	28 ²⁷ 27	21 ²⁹ 29	22 ³⁷ 37	21 ¹³ 13	7 ¹⁰ 10	18 ⁴⁴ 44	F 11
S 12	19 19 50	19 ³⁸ 58	13 ³⁶ 36	15 ⁵⁷ 57	4 ⁴ 4	5 ⁰ 0	0 ⁴⁷ 47	0 ⁹ 9	5 ⁸ 8	28 ²⁸ 28	21 ²⁹ 29	22 ²⁹ 29	21 ¹⁰ 10	7 ¹⁷ 17	18 ⁴⁴ 44	S 12
S 13	19 23 46	20 ³⁶ 10	28 ³¹ 31	17 ⁵ 5	5 ⁰ 0	5 ²² 22	0 ⁵⁸ 58	0 ⁵ 5	5 ¹¹ 11	28 ²⁹ 29	21 ³⁰ 30	22 ²¹ 21	21 ⁷ 7	7 ²³ 23	18 ⁴⁵ 45	S 13
M14	19 27 43	21 ³³ 23	13 ¹⁸ 18	18 ¹⁰ 10	5 ⁵⁶ 56	5 ⁴⁵ 45	1 ⁹ 9	0 ⁵ 5	5 ¹⁵ 15	28 ²⁹ 29	21 ³¹ 31	22 ¹⁴ 14	21 ⁴ 4	7 ³⁰ 30	18 ⁴⁵ 45	M14
T 15	19 31 39	22 ³⁰ 37	27 ⁵¹ 51	19 ¹³ 13	6 ⁵³ 53	6 ⁸ 8	1 ²¹ 21	29 ⁵⁶ 56	5 ¹⁸ 18	28 ³⁰ 30	21 ³² 32	22 ¹⁰ 10	21 ⁰ 0	7 ³⁷ 37	18 ⁴⁶ 46	T 15
W16	19 35 36	23 ²⁷ 51	12 ¹⁷ 7	20 ¹³ 13	7 ⁵¹ 51	6 ³² 32	1 ³² 32	29 ⁵² 52	5 ²² 22	28 ³⁰ 30	21 ³² 32	22 ⁷ 7	20 ⁵⁷ 57	7 ⁴³ 43	18 ⁴⁶ 46	W16
T 17	19 39 32	24 ²⁵ 05	26 ² 2	21 ¹⁰ 10	8 ⁴⁸ 48	6 ⁵⁶ 56	1 ⁴⁴ 44	29 ⁴⁷ 47	5 ²⁶ 26	28 ³¹ 31	21 ³³ 33	22 ⁰ 0	20 ⁵⁴ 54	7 ⁵⁰ 50	18 ⁴⁶ 46	T 17
F 18	19 43 29	25 ²² 21	9 ³⁸ 38	22 ³ 3	9 ⁴⁷ 47	7 ²¹ 21	1 ⁵⁵ 55	29 ⁴³ 43	5 ²⁹ 29	28 ³¹ 31	21 ³⁴ 34	22 ⁷ 7	20 ⁵¹ 51	7 ⁵⁷ 57	18 ⁴⁷ 47	F 18
S 19	19 47 25	26 ¹⁹ 37	22 ⁵⁷ 57	22 ⁵⁴ 54	10 ⁴⁵ 45	7 ⁴⁵ 45	2 ⁷ 7	29 ³⁸ 38	5 ³³ 33	28 ³² 32	21 ³⁴ 34	22 ⁸ 8	20 ⁴⁸ 48	8 ⁴ 4	18 ⁴⁷ 47	S 19
S 20	19 51 22	27 ¹⁶ 55	5 ¹¹ 59	23 ⁴¹ 41	11 ⁴⁴ 44	8 ¹¹ 11	2 ¹⁸ 18	29 ³⁴ 34	5 ³⁷ 37	28 ³² 32	21 ³⁵ 35	22 ⁷ 7	20 ⁴⁴ 44	8 ¹⁰ 10	18 ⁴⁷ 47	S 20
M21	19 55 19	28 ¹⁴ 13	18 ⁴⁸ 48	24 ²⁵ 25	12 ⁴⁴ 44	8 ³⁶ 36	2 ³⁰ 30	29 ²⁹ 29	5 ⁴⁰ 40	28 ³³ 33	21 ³⁶ 36	22 ⁴ 4	20 ⁴¹ 41	8 ¹⁷ 17	18 ⁴⁷ 47	M21
T 22	19 59 15	29 ¹¹ 32	1 ²⁵ 25	25 ⁵ 5	13 ⁴⁴ 44	9 ³ 3	2 ⁴² 42	29 ²⁵ 25	5 ⁴⁴ 44	28 ³³ 33	21 ³⁶ 36	21 ⁵⁸ 58	20 ³⁸ 38	8 ²⁴ 24	18 ⁴⁷ 47	T 22
W23	20 3 12	0 ⁸ 51	13 ⁵² 52	25 ⁴¹ 41	14 ⁴⁴ 44	9 ²⁹ 29	2 ⁵⁴ 54	29 ²⁰ 20	5 ⁴⁸ 48	28 ³³ 33	21 ³⁷ 37	21 ⁵⁰ 50	20 ³⁵ 35	8 ³⁰ 30	18 ⁴⁷ 47	W23
T 24	20 7 8	1 ⁶ 12	26 ⁹ 9	26 ¹³ 13	15 ⁴⁴ 44	9 ⁵⁶ 56	3 ⁶ 6	29 ¹⁶ 16	5 ⁵¹ 51	28 ³⁴ 34	21 ³⁸ 38	21 ⁴⁰ 40	20 ³² 32	8 ³⁷ 37	18 ⁴⁷ 47	T 24
F 25	20 11 5	2 ³ 33	8 ¹⁹ 19	26 ⁴¹ 41	16 ⁴⁵ 45	10 ²³ 23	3 ¹⁸ 18	29 ¹² 12	5 ⁵⁵ 55	28 ³⁴ 34	21 ³⁸ 38	21 ²⁷ 27	20 ²⁹ 29	8 ⁴⁴ 44	18 ⁴⁷ 47	F 25
S 26	20 15 1	3 ⁰ 54	20 ²¹ 21	27 ⁵ 5	17 ⁴⁶ 46	10 ⁵¹ 51	3 ³⁰ 30	29 ⁷ 7	5 ⁵⁹ 59	28 ³⁴ 34	21 ³⁹ 39	21 ¹⁵ 15	20 ²⁵ 25	8 ⁵¹ 51	18 ⁴⁷ 47	S 26
S 27	20 18 58	3 ⁵⁸ 16	2 ¹⁷ 17	27 ²⁴ 24	18 ⁴⁷ 47	11 ¹⁹ 19	3 ⁴² 42	29 ³ 3	6 ³ 3	28 ³⁴ 34	21 ³⁹ 39	21 ² 2	20 ²² 22	8 ⁵⁷ 57	18 ⁴⁷ 47	S 27
M28	20 22 55	4 ⁵⁵ 39	14 ⁹ 9	27 ³⁸ 38	19 ⁴⁹ 49	11 ⁴⁷ 47	3 ⁵⁴ 54	28 ⁵⁸ 58	6 ⁶ 6	28 ³⁴ 34	21 ⁴⁰ 40	20 ⁵² 52	20 ¹⁹ 19	9 ⁴ 4	18 ⁴⁶ 46	M28
T 29	20 26 51	5 ⁵³ 03	25 ⁵⁹ 59	27 ⁴⁸ 48	20 ⁵¹ 51	12 ¹⁵ 15	4 ⁶ 6	28 ⁵⁴ 54	6 ¹⁰ 10	28 ³⁵ 35	21 ⁴⁰ 40	20 ⁴³ 43	20 ¹⁶ 16	9 ¹¹ 11	18 ⁴⁶ 46	T 29
W30	20 30 48	6 ⁵⁰ 27	7 ⁴⁵ 50	27 ⁵³ 53	21 ⁵³ 53	12 ⁴⁴ 44	4 ¹⁸ 18	28 ⁴⁹ 49	6 ¹⁴ 14	28 ³⁵ 35	21 ⁴¹ 41	20 ³⁷ 37	20 ¹³ 13	9 ¹⁷ 17	18 ⁴⁶ 46	W30
T 31	20 34 44	7 ⁴⁷ 52	19 ⁴⁷ 47	27 ⁵² 52	22 ¹¹ 11	13 ¹⁴ 14	4 ¹¹ 11	28 ³⁴ 34	6 ¹⁷ 17	28 ¹⁷ 17	21 ⁴¹ 41	20 ³⁴ 34	20 ⁸ 8	9 ¹¹ 11	18 ⁴⁵ 45	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
T 1	23n 8	9n12	4n40	21n33	1n35	15n26	3s33	13s13	1s20	12n50	1n 0	20s15	0s18	19n43	0n35	9n17	1s43	4n 5	14s30	18n32	18n13	13n56	8n47	1n37	
W 2	23 4	4 0	4 8	21 7	1 30	15 37	3 33	13 20	1 21	12 47	1 0	20 16	0 18	19 43	0 35	9 17	1 43	4 5	14 30	18 31	18 12	13 53	8 47	1 37	
T 3	23 0	1s24	3 25	20 39	1 24	15 49	3 34	13 28	1 22	12 43	1 0	20 17	0 18	19 42	0 35	9 18	1 43	4 5	14 30	18 31	18 11	13 50	8 48	1 37	
F 4	22 55	6 50	2 31	20 11	1 17	16 0	3 34	13 35	1 23	12 39	1 0	20 18	0 18	19 41	0 35	9 18	1 43	4 6	14 30	18 31	18 10	13 48	8 48	1 37	
S 5	22 49	12 8	1 30	19 43	1 10	16 12	3 34	13 42	1 24	12 35	1 0	20 19	0 18	19 40	0 35	9 18	1 43	4 6	14 30	18 32	18 10	13 45	8 48	1 37	
S 6	22 44	17 4	0 22	19 13	1 2	16 23	3 34	13 50	1 26	12 31	1 0	20 20	0 18	19 39	0 35	9 18	1 43	4 6	14 31	18 32	18 9	13 42	8 49	1 37	
M 7	22 38	21 21	0s48	18 44	0 54	16 35	3 34	13 58	1 27	12 28	1 0	20 21	0 18	19 38	0 35	9 19	1 43	4 6	14 31	18 32	18 8	13 40	8 49	1 37	
T 8	22 31	24 38	1 58	18 13	0 46	16 46	3 33	14 6	1 28	12 24	1 0	20 22	0 18	19 37	0 35	9 19	1 43	4 6	14 31	18 31	18 7	13 37	8 49	1 37	
W 9	22 24	26 31	3 3	17 43	0 37	16 58	3 33	14 14	1 29	12 20	0 59	20 23	0 19	19 37	0 35	9 19	1 43	4 6	14 31	18 30	18 6	13 34	8 50	1 37	
T 10	22 17	26 40	3 58	17 12	0 27	17 9	3 32	14 22	1 30	12 16	0 59	20 24	0 19	19 36	0 35	9 19	1 43	4 6	14 31	18 28	18 5	13 31	8 50	1 37	
F 11	22 9	24 59	4 39	16 42	0 17	17 20	3 31	14 30	1 31	12 12	0 59	20 25	0 19	19 35	0 35	9 19	1 43	4 6	14 32	18 26	18 5	13 29	8 50	1 37	
S 12	22 1	21 33	5 1	16 11	0 7	17 32	3 30	14 38	1 32	12 8	0 59	20 26	0 19	19 34	0 35	9 20	1 43	4 6	14 32	18 24	18 4	13 26	8 51	1 37	
S 13	21 53	16 44	5 3	15 40	0s 3	17 43	3 29	14 47	1 33	12 4	0 59	20 27	0 19	19 33	0 35	9 20	1 43	4 5	14 32	18 22	18 3	13 23	8 51	1 37	
M14	21 44	10 57	4 44	15 10	0 14	17 54	3 28	14 55	1 33	12 0	0 59	20 28	0 19	19 32	0 35	9 20	1 43	4 5	14 32	18 21	18 2	13 20	8 51	1 37	
T 15	21 35	4 39	4 8	14 40	0 26	18 5	3 27	15 4	1 34	11 56	0 59	20 29	0 19	19 31	0 35	9 20	1 43	4 5	14 33	18 19	18 1	13 18	8 51	1 37	
W16	21 25	1n47	3 16	14 10	0 37	18 16	3 25	15 12	1 35	11 51	0 59	20 30	0 19	19 30	0 35	9 20	1 44	4 5	14 33	18 19	18 0	13 15	8 51	1 37	
T 17	21 15	7 58	2 14	13 41	0 49	18 26	3 23	15 21	1 36	11 47	0 59	20 31	0 19	19 30	0 35	9 20	1 44	4 5	14 33	18 19	18 0	13 12	8 51	1 37	
F 18	21 5	13 40	1 6	13 12	1 1	18 37	3 22	15 30	1 37	11 43	0 59	20 33	0 19	19 29	0 35	9 21	1 44	4 5	14 33	18 19	17 59	13 9	8 52	1 37	
S 19	20 54	18 36	0n 4	12 44	1 14	18 47	3 20	15 39	1 38	11 39	0 59	20 34	0 19	19 28	0 35	9 21	1 44	4 5	14 33	18 19	17 58	13 6	8 52	1 37	
S 20	20 43	22 31	1 13	12 17	1 26	18 57	3 18	15 48	1 38	11 35	0 59	20 35	0 20	19 27	0 35	9 21	1 44	4 5	14 34	18 19	17 57	13 4	8 52	1 37	
M21	20 32	25 15	2 17	11 50	1 39	19 6	3 16	15 57	1 39	11 30	0 59	20 36	0 20	19 26	0 35	9 21	1 44	4 5	14 34	18 18	17 56	13 3	8 52	1 37	
T 22	20 20	26 40	3 13	11 25	1 52	19 16	3 14	16 6	1 40	11 26	0 59	20 37	0 20	19 25	0 35	9 21	1 44	4 5	14 34	18 16	17 55	12 58	8 52	1 37	
W23	20 8	26 41	3 58	11 0	2 5	19 25	3 11	16 15	1 41	11 22	0 59	20 38	0 20	19 24	0 35	9 21	1 44	4 5	14 34	18 14	17 55	12 55	8 52	1 37	
T 24	19 56	25 23	4 32	10 37	2 18	19 34	3 9	16 24	1 41	11 17	0 59	20 39	0 20	19 23	0 35	9 21	1 44	4 5	14 35	18 12	17 54	12 52	8 52	1 37	
F 25	19 43	22 55	4 53	10 15	2 31	19 42	3 6	16 34	1 42	11 13	0 59	20 40	0 20	19 22	0 35	9 21	1 44	4 5	14 35	18 8	17 53	12 50	8 52	1 37	
S 26	19 30	19 28	5 1	9 55	2 45	19 51	3 4	16 43	1 43	11 9	0 59	20 41	0 20	19 21	0 35	9 21	1 44	4 4	14 35	18 5	17 52	12 47	8 52	1 37	
S 27	19 17	15 15	4 55	9 36	2 58	19 58	3 1	16 52	1 43	11 4	0 59	20 42	0 20	19 20	0 35	9 21	1 44	4 4	14 35	18 2	17 51	12 44	8 52	1 37	
M28	19 3	10 30	4 37	9 19	3 10	20 6	2 58	17 2	1 44	11 0	0 59	20 43	0 20	19 20	0 35	9 21	1 44	4 4	14 36	17 59	17 50	12 41	8 52	1 37	
T 29	18 49	5 22	4 7	9 4	3 23	20 13	2 56	17 11	1 45	10 55	0 59	20 44	0 20	19 19	0 35	9 21	1 44	4 4	14 36	17 57	17 50	12 38	8 51	1 37	
W30	18 35	0 2	3 26	8 51	3 35	20 20	2 53	17 21	1 45	10 51	0 59	20 45	0 20	19 18	0 35	9 21	1 44	4 4	14 36	17 55	17 49	12 36	8 51	1 37	
T 31	18n20	5s21	2n35	8n40	3s47	20n27	2s50	17s30	1s46	10n47	0n59	20s46	0s20	19n17	0n35	9n21	1s44	4n 4	14s37	17n54	17n48	12n33	8n51	1n37	

ASTRODIENST EPHEMERIS for the year 1873
geocentric

AUGUST 1873

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 38 41	8♌45°17	1♍54	27°R47	23♊58	13♍43	4♎43	28°R41	6♏21	28°R35	21♌42	20°R33	20♌6	9♎31	18°R45	F 1
S 2	20 42 37	9°42'43	14°16	27♌36	25° 1	14°13	4°55	28♌36	6°25	28♌35	21°42	20♌33	20° 3	9°38	18♌44	S 2
S 3	20 46 34	10°40'10	26°59	27°20	26° 4	14°43	5° 7	28°32	6°28	28°35	21°42	20°33	20° 0	9°44	18°44	S 3
M 4	20 50 30	11°37'38	10♌6	26°58	27° 8	15°14	5°20	28°28	6°32	28°35	21°43	20°31	19°57	9°51	18°43	M 4
T 5	20 54 27	12°35'06	23♌1	26°32	28°12	15°44	5°32	28°24	6°36	28°34	21°43	20°28	19°54	9°58	18°42	T 5
W 6	20 58 23	13°32'35	7♌47	26° 1	29°16	16°15	5°45	28°19	6°40	28°34	21°43	20°23	19°50	10° 5	18°41	W 6
T 7	21 2 20	14°30'06	22°20	25°25	0♌20	16°47	5°57	28°15	6°43	28°34	21°44	20°15	19°47	10°11	18°41	T 7
F 8	21 6 17	15°27'37	7♌16	24°46	1°24	17°18	6°10	28°11	6°47	28°34	21°44	20° 5	19°44	10°18	18°40	F 8
S 9	21 10 13	16°25'09	22°26	24° 3	2°29	17°50	6°22	28° 7	6°51	28°34	21°44	19°54	19°41	10°25	18°39	S 9
S 10	21 14 10	17°22'42	7♌40	23°16	3°34	18°22	6°35	28° 3	6°54	28°33	21°45	19°43	19°38	10°31	18°38	S 10
M 11	21 18 6	18°20'16	22°47	22°28	4°39	18°55	6°48	27°59	6°58	28°33	21°45	19°34	19°35	10°38	18°37	M 11
T 12	21 22 3	19°17'52	7♌37	21°39	5°44	19°27	7° 0	27°55	7° 2	28°33	21°45	19°28	19°31	10°45	18°36	T 12
W 13	21 25 59	20°15'29	22° 5	20°49	6°50	20° 0	7°13	27°51	7° 5	28°32	21°45	19°24	19°28	10°52	18°35	W 13
T 14	21 29 56	21°13'08	6♌8	19°59	7°56	20°34	7°26	27°47	7° 9	28°32	21°45	19°23	19°25	10°58	18°34	T 14
F 15	21 33 52	22°10'49	19°45	19°11	9° 2	21° 7	7°38	27°43	7°12	28°32	21°46	19°22	19°22	11° 5	18°32	F 15
S 16	21 37 49	23° 8'31	2♊59	18°26	10° 8	21°41	7°51	27°39	7°16	28°31	21°46	19°22	19°19	11°12	18°31	S 16
S 17	21 41 46	24° 6'14	15°53	17°44	11°14	22°14	8° 4	27°35	7°20	28°31	21°46	19°21	19°15	11°18	18°30	S 17
M 18	21 45 42	25° 4'00	28°31	17° 6	12°21	22°49	8°17	27°32	7°23	28°30	21°46	19°18	19°12	11°25	18°28	M 18
T 19	21 49 39	26° 1'47	10♌55	16°33	13°27	23°23	8°30	27°28	7°27	28°30	21°46	19°12	19° 9	11°32	18°27	T 19
W 20	21 53 35	26°59'35	23°10	16° 7	14°34	23°58	8°42	27°25	7°30	28°29	21°46	19° 3	19° 6	11°38	18°26	W 20
T 21	21 57 32	27°57'26	5♌16	15°47	15°41	24°32	8°55	27°21	7°34	28°28	21°46	18°51	19° 3	11°45	18°24	T 21
F 22	22 1 28	28°55'17	17°16	15°34	16°48	25° 7	9° 8	27°18	7°37	28°28	21°R46	18°38	19° 0	11°52	18°23	F 22
S 23	22 5 25	29°53'10	29°12	15°D28	17°56	25°43	9°21	27°14	7°41	28°27	21°46	18°24	18°56	11°59	18°21	S 23
S 24	22 9 22	0♎51°05	11♎4	15°30	19° 3	26°18	9°34	27°11	7°44	28°26	21°46	18°11	18°53	12° 5	18°19	S 24
M 25	22 13 18	1°49°01	22°55	15°41	20°11	26°54	9°47	27° 8	7°48	28°26	21°46	17°59	18°50	12°12	18°18	M 25
T 26	22 17 15	2°46'59	4♌45	15°59	21°19	27°30	10° 0	27° 4	7°51	28°25	21°46	17°50	18°47	12°19	18°16	T 26
W 27	22 21 11	3°44'57	16°38	16°25	22°27	28° 6	10°13	27° 1	7°55	28°24	21°46	17°43	18°44	12°25	18°14	W 27
T 28	22 25 8	4°42'58	28°36	17° 0	23°35	28°42	10°26	26°58	7°58	28°23	21°46	17°39	18°41	12°32	18°12	T 28
F 29	22 29 4	5°41'00	10♍44	17°42	24°43	29°19	10°39	26°55	8° 2	28°22	21°45	17°38	18°37	12°39	18°10	F 29
S 30	22 33 1	6°39'03	23° 5	18°32	25°52	29°55	10°52	26°52	8° 5	28°22	21°45	17°D37	18°34	12°46	18° 9	S 30
S 31	22 36 57	7♎37°07	5♌44	19♌29	27°50	0♌32	11♎5	26♌49	8♌8	28♌21	21♌45	17°R38	18♌31	12♎52	18♌7	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	18n 5	10s37	1n37	8n32	3s58	20n33	2s47	17s40	1s46	10n42	0n59	20s47	0s21	19n16	0n35	9n21	1s45	4n 4	14s37	17n54	17n47	12n30	8n51	1n37	
S 2	17 50	15 36	0 33	8 26	4 8	20 38	2 44	17 49	1 47	10 37	0 59	20 48	0 21	19 15	0 35	9 21	1 45	4 3	14 37	17 54	17 46	12 27	8 51	1 37	
S 3	17 34	20 3	0s34	8 22	4 18	20 44	2 40	17 59	1 48	10 33	0 59	20 48	0 21	19 14	0 35	9 21	1 45	4 3	14 37	17 54	17 45	12 24	8 51	1 37	
M 4	17 19	23 39	1 41	8 21	4 27	20 48	2 37	18 8	1 48	10 28	0 59	20 49	0 21	19 13	0 35	9 21	1 45	4 3	14 38	17 54	17 44	12 21	8 50	1 37	
T 5	17 3	26 4	2 46	8 23	4 34	20 53	2 34	18 18	1 49	10 24	0 59	20 50	0 21	19 12	0 35	9 21	1 45	4 3	14 38	17 53	17 44	12 19	8 50	1 37	
W 6	16 46	26 55	3 42	8 27	4 41	20 57	2 31	18 27	1 49	10 19	0 59	20 51	0 21	19 11	0 35	9 21	1 45	4 3	14 38	17 51	17 43	12 16	8 50	1 37	
T 7	16 30	25 58	4 26	8 34	4 45	21 0	2 27	18 37	1 49	10 15	0 59	20 52	0 21	19 10	0 35	9 20	1 45	4 3	14 38	17 49	17 42	12 13	8 49	1 37	
F 8	16 13	23 11	4 53	8 44	4 49	21 3	2 24	18 46	1 50	10 10	0 59	20 53	0 21	19 9	0 35	9 20	1 45	4 2	14 39	17 47	17 41	12 10	8 49	1 37	
S 9	15 56	18 46	5 0	8 56	4 51	21 6	2 20	18 56	1 50	10 5	0 59	20 54	0 21	19 9	0 35	9 20	1 45	4 2	14 39	17 44	17 40	12 7	8 49	1 37	
S 10	15 38	13 7	4 46	9 11	4 51	21 8	2 17	19 5	1 51	10 1	0 59	20 55	0 21	19 8	0 35	9 20	1 45	4 2	14 39	17 41	17 39	12 4	8 48	1 37	
M11	15 21	6 43	4 12	9 28	4 49	21 10	2 13	19 14	1 51	9 56	0 59	20 56	0 21	19 7	0 35	9 20	1 45	4 2	14 40	17 38	17 38	12 2	8 48	1 37	
T 12	15 3	0 3	3 21	9 48	4 45	21 11	2 9	19 24	1 52	9 51	0 59	20 57	0 21	19 6	0 35	9 20	1 45	4 2	14 40	17 37	17 38	11 59	8 48	1 37	
W13	14 45	6n28	2 19	10 9	4 40	21 11	2 6	19 33	1 52	9 46	0 59	20 58	0 21	19 5	0 35	9 19	1 45	4 1	14 40	17 36	17 37	11 56	8 47	1 37	
T 14	14 26	12 29	1 9	10 31	4 33	21 11	2 2	19 42	1 52	9 42	0 59	20 58	0 22	19 4	0 35	9 19	1 45	4 1	14 40	17 35	17 36	11 53	8 47	1 37	
F 15	14 8	17 43	0n 2	10 54	4 23	21 11	1 58	19 52	1 53	9 37	0 59	20 59	0 22	19 3	0 35	9 19	1 45	4 1	14 41	17 35	17 35	11 50	8 46	1 37	
S 16	13 49	21 56	1 11	11 19	4 13	21 10	1 55	20 1	1 53	9 32	0 59	21 0	0 22	19 2	0 35	9 19	1 45	4 1	14 41	17 35	17 34	11 47	8 46	1 37	
S 17	13 30	24 57	2 15	11 43	4 0	21 9	1 51	20 10	1 53	9 27	0 59	21 1	0 22	19 1	0 35	9 19	1 45	4 0	14 41	17 35	17 33	11 44	8 45	1 37	
M18	13 11	26 38	3 11	12 8	3 46	21 7	1 47	20 19	1 54	9 23	0 59	21 2	0 22	19 0	0 35	9 18	1 46	4 0	14 41	17 34	17 32	11 41	8 45	1 37	
T 19	12 51	26 56	3 56	12 32	3 31	21 4	1 43	20 28	1 54	9 18	0 59	21 2	0 22	18 59	0 35	9 18	1 46	4 0	14 42	17 32	17 31	11 39	8 44	1 37	
W20	12 31	25 54	4 30	12 55	3 15	21 1	1 39	20 37	1 54	9 13	0 59	21 3	0 22	18 59	0 35	9 18	1 46	4 0	14 42	17 30	17 31	11 36	8 44	1 37	
T 21	12 12	23 41	4 52	13 17	2 58	20 57	1 35	20 46	1 54	9 8	0 59	21 4	0 22	18 58	0 35	9 18	1 46	3 59	14 42	17 27	17 30	11 33	8 43	1 37	
F 22	11 51	20 25	5 0	13 37	2 41	20 53	1 31	20 55	1 55	9 3	0 59	21 5	0 22	18 57	0 35	9 17	1 46	3 59	14 43	17 23	17 29	11 30	8 43	1 37	
S 23	11 31	16 21	4 55	13 56	2 23	20 49	1 27	21 4	1 55	8 59	0 59	21 5	0 22	18 56	0 35	9 17	1 46	3 59	14 43	17 19	17 28	11 27	8 42	1 37	
S 24	11 11	11 41	4 37	14 13	2 4	20 43	1 24	21 12	1 55	8 54	0 59	21 6	0 22	18 55	0 35	9 17	1 46	3 59	14 43	17 15	17 27	11 24	8 41	1 37	
M25	10 50	6 36	4 7	14 28	1 46	20 38	1 20	21 21	1 55	8 49	0 59	21 7	0 22	18 54	0 35	9 16	1 46	3 58	14 43	17 12	17 26	11 21	8 41	1 37	
T 26	10 29	1 16	3 26	14 39	1 28	20 31	1 16	21 30	1 56	8 44	0 59	21 8	0 22	18 53	0 35	9 16	1 46	3 58	14 44	17 10	17 25	11 18	8 40	1 37	
W27	10 8	4s 8	2 36	14 49	1 10	20 24	1 12	21 38	1 56	8 39	0 59	21 8	0 22	18 52	0 35	9 16	1 46	3 58	14 44	17 8	17 25	11 15	8 39	1 37	
T 28	9 47	9 26	1 39	14 55	0 53	20 17	1 8	21 46	1 56	8 34	0 59	21 9	0 22	18 52	0 35	9 15	1 46	3 57	14 44	17 7	17 24	11 12	8 39	1 37	
F 29	9 26	14 28	0 37	14 58	0 36	20 9	1 4	21 54	1 56	8 29	0 59	21 9	0 22	18 51	0 35	9 15	1 46	3 57	14 44	17 6	17 23	11 9	8 38	1 37	
S 30	9 5	19 1	0s29	14 58	0 20	20 0	1 0	22 3	1 56	8 24	0 59	21 10	0 23	18 50	0 35	9 15	1 46	3 57	14 45	17 6	17 22	11 7	8 37	1 37	
S 31	8n43	22s50	1s35	14n55	0s 4	19n51	0s56	22s11	1s56	8n19	0n59	21s11	0s23	18n49	0n35	9n14	1s46	3n57	14s45	17n 6	17n21	11n 4	8n36	1n37	

ASTRODIENST EPHEMERIS for the year 1873
geocentric

SEPTEMBER 1873

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 40 54	8 ^h 35'14"	18 ^h 46'	20 ^h 34'	28 ^h 09'	1 ^h 10'	11 ^h 18'	26 ^h 47'	8 ^h 12'	28 ^h 20'	21 ^h 45'	17 ^h 37'	18 ^h 28'	12 ^h 59'	18 ^h 05'	M 1
T 2	22 44 50	9 ^h 33'21"	2 ^h 31'6"	21 ^h 45'	29 ^h 18'	1 ^h 47'	11 ^h 31'	26 ^h 44'	8 ^h 15'	28 ^h 19'	21 ^h 45'	17 ^h 35'	18 ^h 25'	13 ^h 06'	18 ^h 03'	T 2
W 3	22 48 47	10 ^h 31'30"	16 ^h 14'	23 ^h 02'	0 ^h 27'	2 ^h 24'	11 ^h 44'	26 ^h 41'	8 ^h 18'	28 ^h 18'	21 ^h 44'	17 ^h 31'	18 ^h 21'	13 ^h 12'	18 ^h 01'	W 3
T 4	22 52 44	11 ^h 29'40"	0 ^h 42'	24 ^h 24'	1 ^h 36'	3 ^h 02'	11 ^h 57'	26 ^h 39'	8 ^h 21'	28 ^h 17'	21 ^h 44'	17 ^h 24'	18 ^h 18'	13 ^h 19'	17 ^h 58'	T 4
F 5	22 56 40	12 ^h 27'52"	15 ^h 35'	25 ^h 52'	2 ^h 45'	3 ^h 40'	12 ^h 10'	26 ^h 37'	8 ^h 25'	28 ^h 16'	21 ^h 44'	17 ^h 16'	18 ^h 15'	13 ^h 26'	17 ^h 56'	F 5
S 6	23 0 37	13 ^h 26'06"	0 ^h 47'	27 ^h 25'	3 ^h 55'	4 ^h 18'	12 ^h 23'	26 ^h 34'	8 ^h 28'	28 ^h 15'	21 ^h 44'	17 ^h 06'	18 ^h 12'	13 ^h 33'	17 ^h 54'	S 6
S 7	23 4 33	14 ^h 24'21"	16 ^h 07'	29 ^h 01'	5 ^h 04'	4 ^h 56'	12 ^h 36'	26 ^h 32'	8 ^h 31'	28 ^h 14'	21 ^h 43'	16 ^h 57'	18 ^h 09'	13 ^h 39'	17 ^h 52'	S 7
M 8	23 8 30	15 ^h 22'37"	1 ^h 02'23"	0 ^h 42'	6 ^h 14'	5 ^h 34'	12 ^h 49'	26 ^h 30'	8 ^h 34'	28 ^h 13'	21 ^h 43'	16 ^h 50'	18 ^h 06'	13 ^h 46'	17 ^h 50'	M 8
T 9	23 12 26	16 ^h 20'56"	16 ^h 26'	2 ^h 25'	7 ^h 24'	6 ^h 13'	13 ^h 02'	26 ^h 28'	8 ^h 37'	28 ^h 11'	21 ^h 42'	16 ^h 44'	18 ^h 02'	13 ^h 53'	17 ^h 47'	T 9
W10	23 16 23	17 ^h 19'17"	1 ^h 06'	4 ^h 11'	8 ^h 33'	6 ^h 51'	13 ^h 15'	26 ^h 26'	8 ^h 40'	28 ^h 10'	21 ^h 42'	16 ^h 41'	17 ^h 59'	13 ^h 59'	17 ^h 45'	W10
T 11	23 20 19	18 ^h 17'40"	15 ^h 20'	5 ^h 59'	9 ^h 43'	7 ^h 30'	13 ^h 28'	26 ^h 24'	8 ^h 44'	28 ^h 09'	21 ^h 42'	16 ^h 40'	17 ^h 56'	14 ^h 06'	17 ^h 43'	T 11
F 12	23 24 16	19 ^h 16'05"	29 ^h 05'	7 ^h 48'	10 ^h 54'	8 ^h 09'	13 ^h 41'	26 ^h 22'	8 ^h 47'	28 ^h 08'	21 ^h 41'	16 ^h 40'	17 ^h 53'	14 ^h 13'	17 ^h 40'	F 12
S 13	23 28 13	20 ^h 14'32"	12 ^h 12'24"	9 ^h 39'	12 ^h 04'	8 ^h 48'	13 ^h 54'	26 ^h 20'	8 ^h 50'	28 ^h 07'	21 ^h 41'	16 ^h 41'	17 ^h 50'	14 ^h 20'	17 ^h 38'	S 13
S 14	23 32 9	21 ^h 13'01"	25 ^h 19'	11 ^h 30'	13 ^h 14'	9 ^h 28'	14 ^h 07'	26 ^h 19'	8 ^h 53'	28 ^h 05'	21 ^h 40'	16 ^h 41'	17 ^h 47'	14 ^h 26'	17 ^h 36'	S 14
M15	23 36 6	22 ^h 11'33"	7 ^h 05'54"	13 ^h 23'	14 ^h 25'	10 ^h 07'	14 ^h 20'	26 ^h 17'	8 ^h 56'	28 ^h 04'	21 ^h 40'	16 ^h 40'	17 ^h 43'	14 ^h 33'	17 ^h 33'	M15
T 16	23 40 2	23 ^h 10'07"	20 ^h 13'	15 ^h 15'	15 ^h 35'	10 ^h 47'	14 ^h 33'	26 ^h 16'	8 ^h 58'	28 ^h 03'	21 ^h 39'	16 ^h 36'	17 ^h 40'	14 ^h 40'	17 ^h 31'	T 16
W17	23 43 59	24 ^h 08'43"	2 ^h 02'21"	17 ^h 08'	16 ^h 46'	11 ^h 26'	14 ^h 46'	26 ^h 14'	9 ^h 01'	28 ^h 02'	21 ^h 39'	16 ^h 31'	17 ^h 37'	14 ^h 46'	17 ^h 28'	W17
T 18	23 47 55	25 ^h 07'21"	14 ^h 21'	19 ^h 00'	17 ^h 57'	12 ^h 06'	14 ^h 59'	26 ^h 13'	9 ^h 04'	28 ^h 00'	21 ^h 38'	16 ^h 23'	17 ^h 34'	14 ^h 53'	17 ^h 26'	T 18
F 19	23 51 52	26 ^h 06'01"	26 ^h 15'	20 ^h 52'	19 ^h 08'	12 ^h 46'	15 ^h 11'	26 ^h 12'	9 ^h 07'	27 ^h 59'	21 ^h 38'	16 ^h 14'	17 ^h 31'	15 ^h 00'	17 ^h 23'	F 19
S 20	23 55 48	27 ^h 04'43"	8 ^h 07'07"	22 ^h 44'	20 ^h 19'	13 ^h 26'	15 ^h 24'	26 ^h 11'	9 ^h 10'	27 ^h 57'	21 ^h 37'	16 ^h 04'	17 ^h 27'	15 ^h 06'	17 ^h 21'	S 20
S 21	23 59 45	28 ^h 03'27"	19 ^h 58'	24 ^h 35'	21 ^h 30'	14 ^h 07'	15 ^h 37'	26 ^h 10'	9 ^h 12'	27 ^h 56'	21 ^h 37'	15 ^h 55'	17 ^h 24'	15 ^h 13'	17 ^h 18'	S 21
M22	0 3 42	29 ^h 02'13"	1 ^h 05'50"	26 ^h 26'	22 ^h 41'	14 ^h 47'	15 ^h 50'	26 ^h 09'	9 ^h 15'	27 ^h 55'	21 ^h 36'	15 ^h 46'	17 ^h 21'	15 ^h 20'	17 ^h 15'	M22
T 23	0 7 38	0 ^h 01'01"	13 ^h 44'	28 ^h 16'	23 ^h 53'	15 ^h 28'	16 ^h 03'	26 ^h 08'	9 ^h 18'	27 ^h 53'	21 ^h 35'	15 ^h 40'	17 ^h 18'	15 ^h 27'	17 ^h 13'	T 23
W24	0 11 35	0 ^h 59'51"	25 ^h 43'	0 ^h 05'	25 ^h 04'	16 ^h 08'	16 ^h 16'	26 ^h 07'	9 ^h 20'	27 ^h 52'	21 ^h 35'	15 ^h 36'	17 ^h 15'	15 ^h 33'	17 ^h 10'	W24
T 25	0 15 31	1 ^h 58'43"	7 ^h 04'49"	1 ^h 53'	26 ^h 16'	16 ^h 49'	16 ^h 28'	26 ^h 07'	9 ^h 23'	27 ^h 50'	21 ^h 34'	15 ^h 34'	17 ^h 12'	15 ^h 40'	17 ^h 07'	T 25
F 26	0 19 28	2 ^h 57'37"	20 ^h 03'	3 ^h 40'	27 ^h 27'	17 ^h 30'	16 ^h 41'	26 ^h 06'	9 ^h 26'	27 ^h 49'	21 ^h 33'	15 ^h 33'	17 ^h 08'	15 ^h 47'	17 ^h 05'	F 26
S 27	0 23 24	3 ^h 56'33"	2 ^h 01'30"	5 ^h 27'	28 ^h 39'	18 ^h 12'	16 ^h 54'	26 ^h 06'	9 ^h 28'	27 ^h 47'	21 ^h 33'	15 ^h 35'	17 ^h 05'	15 ^h 53'	17 ^h 02'	S 27
S 28	0 27 21	4 ^h 55'30"	15 ^h 12'	7 ^h 12'	29 ^h 51'	18 ^h 53'	17 ^h 07'	26 ^h 05'	9 ^h 31'	27 ^h 46'	21 ^h 32'	15 ^h 36'	17 ^h 02'	16 ^h 00'	16 ^h 59'	S 28
M29	0 31 17	5 ^h 54'30"	28 ^h 14'	8 ^h 57'	1 ^h 03'	19 ^h 34'	17 ^h 19'	26 ^h 05'	9 ^h 33'	27 ^h 44'	21 ^h 31'	15 ^h 37'	16 ^h 59'	16 ^h 07'	16 ^h 56'	M29
T 30	0 35 14	6 ^h 53'31"	11 ^h 03'38"	10 ^h 41'	2 ^h 05'	20 ^h 01'16"	17 ^h 03'32"	26 ^h 05'	9 ^h 35'	27 ^h 43'	21 ^h 30'	15 ^h 37'	16 ^h 56'	16 ^h 14'	16 ^h 54'	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	8n21	25s36	2s38	14n49	0n11	19n42	0s52	22s18	1s57	8n15	0n59	21s11	0s23	18n48	0n35	9n14	1s46	3n56	14s45	17n 6	17n20	11n 1	8n36	1n37			
T 2	8 0	27 0	3 34	14 39	0 24	19 32	0 48	22 26	1 57	8 10	0 59	21 12	0 23	18 47	0 36	9 14	1 46	3 56	14 46	17 5	17 19	10 58	8 35	1 37			
W 3	7 38	26 46	4 20	14 26	0 37	19 21	0 44	22 34	1 57	8 5	0 59	21 12	0 23	18 46	0 36	9 13	1 46	3 56	14 46	17 4	17 18	10 55	8 34	1 37			
T 4	6 15	24 44	4 51	14 10	0 49	19 10	0 41	22 41	1 57	8 0	0 59	21 13	0 23	18 46	0 36	9 13	1 46	3 55	14 46	17 2	17 18	10 52	8 33	1 37			
F 5	6 53	21 0	5 3	13 50	0 59	18 58	0 37	22 49	1 57	7 55	0 59	21 13	0 23	18 45	0 36	9 12	1 46	3 55	14 46	17 0	17 17	10 49	8 32	1 37			
S 6	6 31	15 48	4 55	13 27	1 9	18 45	0 33	22 56	1 57	7 50	0 59	21 14	0 23	18 44	0 36	9 12	1 47	3 55	14 47	16 57	17 16	10 46	8 32	1 37			
S 7	6 9	9 33	4 25	13 2	1 17	18 33	0 29	23 3	1 57	7 45	0 59	21 14	0 23	18 43	0 36	9 12	1 47	3 54	14 47	16 55	17 15	10 43	8 31	1 37			
M 8	5 46	2 46	3 37	12 33	1 25	18 19	0 25	23 10	1 57	7 40	0 59	21 15	0 23	18 42	0 36	9 11	1 47	3 54	14 47	16 53	17 14	10 40	8 30	1 37			
T 9	5 23	4n6	2 34	12 2	1 31	18 5	0 22	23 17	1 57	7 35	0 59	21 15	0 23	18 42	0 36	9 11	1 47	3 54	14 47	16 51	17 13	10 37	8 29	1 37			
W10	5 1	10 35	1 22	11 29	1 37	17 51	0 18	23 24	1 57	7 30	0 59	21 16	0 23	18 41	0 36	9 10	1 47	3 53	14 48	16 50	17 12	10 34	8 28	1 37			
T 11	4 38	16 20	0 7	10 53	1 41	17 36	0 14	23 30	1 57	7 25	0 59	21 16	0 23	18 40	0 36	9 10	1 47	3 53	14 48	16 50	17 11	10 31	8 27	1 37			
F 12	4 15	21 3	1n6	10 16	1 44	17 21	0 10	23 37	1 57	7 20	0 59	21 17	0 23	18 39	0 36	9 9	1 47	3 53	14 48	16 50	17 10	10 28	8 26	1 37			
S 13	3 52	24 30	2 13	9 36	1 47	17 5	0 7	23 43	1 57	7 15	0 59	21 17	0 23	18 38	0 36	9 9	1 47	3 52	14 48	16 50	17 10	10 25	8 25	1 37			
S 14	3 29	26 34	3 12	8 56	1 49	16 48	0 3	23 49	1 57	7 10	1 0	21 17	0 23	18 38	0 36	9 8	1 47	3 52	14 49	16 50	17 9	10 22	8 24	1 37			
M15	3 6	27 12	3 59	8 13	1 49	16 32	0n0	23 55	1 57	7 5	1 0	21 18	0 23	18 37	0 36	9 8	1 47	3 52	14 49	16 50	17 8	10 19	8 23	1 37			
T 16	2 43	26 27	4 35	7 30	1 49	16 14	0 4	24 0	1 57	7 0	1 0	21 18	0 24	18 36	0 36	9 7	1 47	3 51	14 49	16 49	17 7	10 16	8 22	1 37			
W17	2 20	24 28	4 57	6 45	1 49	15 56	0 7	24 6	1 57	6 55	1 0	21 18	0 24	18 36	0 36	9 7	1 47	3 51	14 49	16 47	17 6	10 13	8 21	1 37			
T 18	1 56	21 25	5 6	6 0	1 48	15 38	0 11	24 11	1 57	6 51	1 0	21 19	0 24	18 35	0 36	9 6	1 47	3 51	14 50	16 45	17 5	10 10	8 20	1 37			
F 19	1 33	17 30	5 1	5 14	1 46	15 19	0 14	24 17	1 57	6 46	1 0	21 19	0 24	18 34	0 36	9 6	1 47	3 50	14 50	16 42	17 4	10 7	8 19	1 37			
S 20	1 10	12 55	4 44	4 28	1 43	15 0	0 17	24 22	1 57	6 41	1 0	21 19	0 24	18 33	0 36	9 5	1 47	3 50	14 50	16 40	17 3	10 4	8 18	1 37			
S 21	0 46	7 53	4 14	3 41	1 40	14 40	0 21	24 26	1 57	6 36	1 0	21 19	0 24	18 33	0 36	9 5	1 47	3 49	14 50	16 37	17 2	10 1	8 17	1 37			
M22	0 23	2 32	3 34	2 54	1 37	14 20	0 24	24 31	1 56	6 31	1 0	21 20	0 24	18 32	0 36	9 4	1 47	3 49	14 50	16 34	17 2	9 58	8 16	1 37			
T23	0s0	2s55	2 43	2 7	1 33	14 0	0 27	24 35	1 56	6 26	1 0	21 20	0 24	18 31	0 36	9 4	1 47	3 49	14 51	16 33	17 1	9 55	8 15	1 37			
W24	0 24	8 19	1 45	1 20	1 29	13 39	0 30	24 40	1 56	6 21	1 0	21 20	0 24	18 31	0 36	9 3	1 47	3 48	14 51	16 31	17 0	9 52	8 14	1 37			
T 25	0 47	13 28	0 42	0 32	1 24	13 18	0 33	24 44	1 56	6 16	1 0	21 20	0 24	18 30	0 36	9 3	1 47	3 48	14 51	16 31	16 59	9 49	8 13	1 37			
F 26	1 11	18 10	0s24	0s15	1 19	12 56	0 36	24 48	1 56	6 11	1 0	21 20	0 24	18 29	0 36	9 2	1 47	3 48	14 51	16 31	16 58	9 46	8 12	1 36			
S 27	1 34	22 9	1 31	1 2	1 14	12 34	0 39	24 51	1 56	6 6	1 0	21 20	0 24	18 29	0 36	9 1	1 47	3 47	14 52	16 31	16 57	9 43	8 11	1 36			
S 28	1 58	25 11	2 34	1 49	1 9	12 12	0 42	24 55	1 55	6 1	1 1	21 20	0 24	18 28	0 36	9 1	1 47	3 47	14 52	16 31	16 56	9 40	8 10	1 36			
M29	2 21	26 58	3 31	2 35	1 3	11 49	0 45	24 58	1 55	5 57	1 1	21 21	0 24	18 27	0 36	9 0	1 47	3 47	14 52	16 32	16 55	9 37	8 9	1 36			
T 30	2s44	27s14	4s18	3s22	0n57	11n26	0n48	25s 1	1s55	5n52	1n 1	21s21	0s24	18n27	0n36	9n 0	1s47	3n46	14s52	16n32	16n54	9n34	8n 7	1n36			

ASTRODIENST EPHEMERIS for the year 1873
geocentric

OCTOBER 1873

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 39 11	7♂52°34	25♂27	12♂24	3♂27	20♂57	17♂45	26♂5	9♂38	27°R41	21°R30	15°R36	16♂52	16♂20	16°R51	W 1
T 2	0 43 7	8°51°38	9♂41	14° 6	4°39	21°39	17°57	26° 5	9°40	27°Y40	21♂29	15♂33	16°49	16°27	16°Y48	T 2
F 3	0 47 4	9°50°44	24°19	15°47	5°52	22°21	18°10	26° 6	9°42	27°38	21°28	15°29	16°46	16°34	16°45	F 3
S 4	0 51 0	10°49°52	9♂16	17°28	7° 4	23° 3	18°22	26° 6	9°45	27°36	21°27	15°24	16°43	16°40	16°43	S 4
S 5	0 54 57	11°49°02	24°24	19° 8	8°16	23°45	18°35	26° 6	9°47	27°35	21°27	15°19	16°40	16°47	16°40	S 5
M 6	0 58 53	12°48°14	9♂33	20°46	9°29	24°27	18°47	26° 7	9°49	27°33	21°26	15°15	16°37	16°54	16°37	M 6
T 7	1 2 50	13°47°27	24°34	22°25	10°41	25° 9	18°59	26° 7	9°51	27°32	21°25	15°12	16°33	17° 0	16°34	T 7
W 8	1 6 46	14°46°43	9♂18	24° 2	11°54	25°52	19°12	26° 8	9°53	27°30	21°24	15°D10	16°30	17° 7	16°31	W 8
T 9	1 10 43	15°46°01	23°39	25°38	13° 7	26°34	19°24	26° 9	9°55	27°28	21°23	15°11	16°27	17°14	16°29	T 9
F 10	1 14 40	16°45°22	7♂33	27°14	14°20	27°17	19°36	26°10	9°57	27°27	21°22	15°12	16°24	17°21	16°26	F 10
S 11	1 18 36	17°44°45	21° 0	28°49	15°33	28° 0	19°49	26°11	9°59	27°25	21°21	15°13	16°21	17°27	16°23	S 11
S 12	1 22 33	18°44°10	4♂ 1	0♂24	16°46	28°43	20° 1	26°12	10° 1	27°23	21°20	15°15	16°18	17°34	16°20	S 12
M13	1 26 29	19°43°37	16°40	1°58	17°59	29°25	20°13	26°13	10° 3	27°22	21°19	15°R15	16°14	17°41	16°17	M13
T 14	1 30 26	20°43°07	29° 0	3°31	19°12	0♂ 8	20°25	26°15	10° 5	27°20	21°19	15°15	16°11	17°47	16°15	T 14
W15	1 34 22	21°42°39	11♂ 7	5° 3	20°25	0°52	20°37	26°16	10° 6	27°18	21°18	15°14	16° 8	17°54	16°12	W15
T 16	1 38 19	22°42°13	23° 4	6°35	21°38	1°35	20°49	26°17	10° 8	27°17	21°17	15°11	16° 5	18° 1	16° 9	T 16
F 17	1 42 15	23°41°49	4♂57	8° 6	22°52	2°18	21° 1	26°19	10°10	27°15	21°16	15° 8	16° 2	18° 7	16° 6	F 17
S 18	1 46 12	24°41°28	16°47	9°37	24° 5	3° 1	21°13	26°21	10°11	27°13	21°15	15° 5	15°58	18°14	16° 3	S 18
S 19	1 50 9	25°41°09	28°39	11° 7	25°19	3°45	21°25	26°23	10°13	27°12	21°14	15° 1	15°55	18°21	16° 1	S 19
M20	1 54 5	26°40°51	10♂35	12°36	26°32	4°28	21°36	26°24	10°14	27°10	21°13	14°58	15°52	18°28	15°58	M20
T 21	1 58 2	27°40°36	22°37	14° 5	27°46	5°12	21°48	26°26	10°16	27° 8	21°12	14°56	15°49	18°34	15°55	T 21
W22	2 1 58	28°40°23	4♂46	15°32	28°59	5°56	22° 0	26°29	10°17	27° 7	21°11	14°55	15°46	18°41	15°52	W22
T 23	2 5 55	29°40°12	17° 5	17° 0	0♂13	6°40	22°11	26°31	10°18	27° 5	21°10	14°D55	15°43	18°48	15°50	T 23
F 24	2 9 51	0♂40°03	29°35	18°26	1°27	7°24	22°23	26°33	10°20	27° 3	21° 9	14°55	15°39	18°54	15°47	F 24
S 25	2 13 48	1°39°56	12♂17	19°52	2°41	8° 8	22°34	26°35	10°21	27° 2	21° 8	14°56	15°36	19° 1	15°44	S 25
S 26	2 17 44	2°39°50	25°12	21°18	3°55	8°52	22°46	26°38	10°22	27° 0	21° 6	14°58	15°33	19° 8	15°42	S 26
M27	2 21 41	3°39°47	8♂22	22°42	5° 9	9°36	22°57	26°40	10°23	26°58	21° 5	14°59	15°30	19°14	15°39	M27
T 28	2 25 37	4°39°44	21°49	24° 6	6°23	10°20	23° 8	26°43	10°24	26°57	21° 4	14°59	15°27	19°21	15°36	T 28
W29	2 29 34	5°39°44	5♂34	25°29	7°37	11° 5	23°19	26°46	10°25	26°55	21° 3	15°R 0	15°24	19°28	15°34	W29
T 30	2 33 31	6°39°45	19°37	26°51	8°51	11°49	23°30	26°49	10°26	26°53	21° 2	14°59	15°20	19°35	15°31	T 30
F 31	2 37 27	7♂39°47	3♂57	28♂12	10♂ 5	12♂33	23♂41	26♂52	10♂27	26°Y52	21♂ 1	14♂59	15♂17	19♂41	15°Y29	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
W 1	3s 8	25s51	4s52	4s 7	0n51	11n 2	0n51	25s 4	1s55	5n47	1n 1	21s21	0s24	18n26	0n36	8n59	1s47	3n46	14s52	16n31	16n53	9n31	8n 6	1n36			
T 2	3 31	22 48	5 10	4 53	0 45	10 38	0 53	25 6	1 55	5 42	1 1	21 21	0 24	18 26	0 36	8 59	1 47	3 45	14 52	16 31	16 53	9 28	8 5	1 36			
F 3	3 54	18 15	5 7	5 38	0 38	10 14	0 56	25 8	1 54	5 37	1 1	21 21	0 24	18 25	0 36	8 58	1 47	3 45	14 53	16 29	16 52	9 25	8 4	1 36			
S 4	4 17	12 30	4 45	6 23	0 32	9 50	0 58	25 11	1 54	5 32	1 1	21 21	0 24	18 24	0 36	8 57	1 47	3 45	14 53	16 28	16 51	9 22	8 3	1 36			
S 5	4 41	5 56	4 2	7 7	0 25	9 25	1 1	25 12	1 54	5 28	1 1	21 21	0 24	18 24	0 36	8 57	1 47	3 44	14 53	16 26	16 50	9 19	8 2	1 36			
M 6	5 4	1n 0	3 2	7 50	0 18	9 0	1 3	25 14	1 54	5 23	1 1	21 21	0 24	18 23	0 37	8 56	1 48	3 44	14 53	16 25	16 49	9 16	8 1	1 36			
T 7	5 27	7 49	1 50	8 33	0 11	8 35	1 6	25 15	1 53	5 18	1 1	21 20	0 24	18 23	0 37	8 56	1 48	3 44	14 53	16 24	16 48	9 13	8 0	1 36			
W 8	5 50	14 6	0 32	9 16	0 5	8 9	1 8	25 17	1 53	5 13	1 2	21 20	0 24	18 22	0 37	8 55	1 48	3 43	14 54	16 24	16 47	9 10	7 58	1 36			
T 9	6 13	19 27	0n46	9 57	0s 2	7 43	1 10	25 18	1 53	5 9	1 2	21 20	0 25	18 22	0 37	8 55	1 48	3 43	14 54	16 24	16 46	9 7	7 57	1 36			
F 10	6 35	23 33	2 0	10 39	0 9	7 17	1 12	25 18	1 52	5 4	1 2	21 20	0 25	18 21	0 37	8 54	1 48	3 42	14 54	16 24	16 45	9 4	7 56	1 36			
S 11	6 58	26 13	3 4	11 19	0 16	6 51	1 14	25 19	1 52	4 59	1 2	21 20	0 25	18 21	0 37	8 53	1 48	3 42	14 54	16 25	16 44	9 1	7 55	1 35			
S 12	7 21	27 20	3 57	11 59	0 23	6 24	1 16	25 19	1 52	4 55	1 2	21 20	0 25	18 20	0 37	8 53	1 48	3 42	14 54	16 25	16 43	8 58	7 54	1 35			
M13	7 43	26 59	4 36	12 38	0 30	5 57	1 18	25 19	1 52	4 50	1 2	21 20	0 25	18 20	0 37	8 52	1 48	3 41	14 54	16 25	16 43	8 55	7 53	1 35			
T 14	8 6	25 18	5 2	13 17	0 37	5 30	1 20	25 19	1 51	4 45	1 2	21 19	0 25	18 19	0 37	8 51	1 48	3 41	14 54	16 25	16 42	8 52	7 51	1 35			
W15	8 28	22 28	5 13	13 54	0 44	5 3	1 22	25 18	1 51	4 41	1 2	21 19	0 25	18 19	0 37	8 51	1 48	3 41	14 55	16 25	16 41	8 49	7 50	1 35			
T 16	8 50	18 44	5 11	14 31	0 51	4 36	1 23	25 17	1 50	4 36	1 2	21 19	0 25	18 19	0 37	8 50	1 48	3 40	14 55	16 24	16 40	8 46	7 49	1 35			
F 17	9 12	14 17	4 56	15 8	0 58	4 8	1 25	25 16	1 50	4 31	1 3	21 19	0 25	18 18	0 37	8 50	1 48	3 40	14 55	16 23	16 39	8 43	7 48	1 35			
S 18	9 34	9 20	4 28	15 43	1 4	3 40	1 26	25 15	1 50	4 27	1 3	21 18	0 25	18 18	0 37	8 49	1 48	3 40	14 55	16 22	16 38	8 40	7 47	1 35			
S 19	9 56	4 1	3 48	16 18	1 11	3 12	1 28	25 14	1 49	4 22	1 3	21 18	0 25	18 17	0 37	8 48	1 48	3 39	14 55	16 21	16 37	8 37	7 46	1 35			
M20	10 18	1s27	2 58	16 51	1 17	2 44	1 29	25 12	1 49	4 18	1 3	21 18	0 25	18 17	0 37	8 48	1 48	3 39	14 55	16 20	16 36	8 33	7 44	1 35			
T 21	10 39	6 57	2 0	17 24	1 24	2 16	1 30	25 10	1 49	4 13	1 3	21 17	0 25	18 17	0 37	8 47	1 48	3 39	14 55	16 20	16 35	8 30	7 43	1 35			
W22	11 1	12 15	0 56	17 56	1 30	1 48	1 31	25 7	1 48	4 9	1 3	21 17	0 25	18 16	0 37	8 47	1 48	3 38	14 55	16 19	16 34	8 27	7 42	1 34			
T 23	11 22	17 9	0s12	18 28	1 36	1 20	1 33	25 5	1 48	4 4	1 3	21 17	0 25	18 16	0 37	8 46	1 48	3 38	14 55	16 19	16 33	8 24	7 41	1 34			
F 24	11 43	21 23	1 20	18 58	1 42	0 51	1 34	25 2	1 47	4 0	1 4	21 16	0 25	18 16	0 37	8 45	1 48	3 38	14 56	16 20	16 32	8 21	7 40	1 34			
S 25	12 4	24 41	2 26	19 27	1 48	0 23	1 35	24 59	1 47	3 56	1 4	21 16	0 25	18 16	0 37	8 45	1 48	3 37	14 56	16 20	16 31	8 18	7 39	1 34			
S 26	12 24	26 47	3 25	19 55	1 54	0s 6	1 35	24 56	1 46	3 51	1 4	21 15	0 25	18 15	0 37	8 44	1 48	3 37	14 56	16 20	16 31	8 15	7 38	1 34			
M27	12 45	27 26	4 15	20 23	1 59	0 34	1 36	24 52	1 46	3 47	1 4	21 15	0 25	18 15	0 37	8 44	1 48	3 37	14 56	16 20	16 30	8 12	7 37	1 34			
T 28	13 5	26 29	4 52	20 49	2 4	1 3	1 37	24 48	1 45	3 42	1 4	21 14	0 25	18 15	0 37	8 43	1 48	3 36	14 56	16 21	16 29	8 9	7 35	1 34			
W29	13 25	23 56	5 13	21 14	2 9	1 32	1 38	24 44	1 45	3 38	1 4	21 14	0 25	18 14	0 37	8 42	1 48	3 36	14 56	16 21	16 28	8 6	7 34	1 34			
T 30	13 45	19 56	5 16	21 38	2 14	2 0	1 38	24 40	1 44	3 34	1 4	21 13	0 25	18 14	0 37	8 42	1 48	3 36	14 56	16 21	16 27	8 3	7 33	1 34			
F 31	14s 5	14s43	5s 0	22s 1	2s19	2s29	1n39	24s35	1s44	3n30	1n 5	21s13	0s25	18n14	0n37	8n41	1s48	3n35	14s56	16n21	16n26	8n 0	7n32	1n34			

ASTRODIENST EPHEMERIS for the year 1873

geocentric

NOVEMBER 1873

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 41 24	8♉39°51	18♊31	29♋31	11♌19	13♍18	23♎52	26♏55	10♐28	26°R50	21°R 0	14°R58	15♑14	19♒48	15°R26	S 1
S 2	2 45 20	9°39'57	3♈14	0♉50	12°33	14° 2	24° 3	26°58	10°29	26°Y48	20°X59	14♊57	15°11	19°55	15°Y23	S 2
M 3	2 49 17	10°40'04	18° 1	2° 8	13°47	14°47	24°14	27° 1	10°29	26°47	20°58	14°57	15° 8	20° 1	15°21	M 3
T 4	2 53 13	11°40'13	2♊44	3°24	15° 2	15°32	24°25	27° 4	10°30	26°45	20°57	14°57	15° 4	20° 8	15°19	T 4
W 5	2 57 10	12°40'24	17°16	4°38	16°16	16°17	24°35	27° 8	10°31	26°44	20°56	14°D57	15° 1	20°15	15°16	W 5
T 6	3 1 6	13°40'37	1♈31	5°51	17°30	17° 1	24°46	27°11	10°31	26°42	20°54	14°57	14°58	20°21	15°14	T 6
F 7	3 5 3	14°40'51	15°26	7° 2	18°45	17°46	24°56	27°15	10°32	26°40	20°53	14°R57	14°55	20°28	15°11	F 7
S 8	3 9 0	15°41'08	28°56	8°11	19°59	18°31	25° 7	27°18	10°32	26°39	20°52	14°57	14°52	20°35	15° 9	S 8
S 9	3 12 56	16°41'26	12♉2	9°18	21°14	19°16	25°17	27°22	10°33	26°37	20°51	14°57	14°49	20°42	15° 7	S 9
M10	3 16 53	17°41'46	24°46	10°22	22°29	20° 1	25°27	27°26	10°33	26°36	20°50	14°56	14°45	20°48	15° 4	M10
T 11	3 20 49	18°42'09	7♉11	11°23	23°43	20°47	25°37	27°30	10°33	26°34	20°49	14°56	14°42	20°55	15° 2	T 11
W12	3 24 46	19°42'33	19°20	12°20	24°58	21°32	25°47	27°34	10°33	26°33	20°48	14°D56	14°39	21° 2	15° 0	W12
T 13	3 28 42	20°42'59	1♈19	13°14	26°12	22°17	25°57	27°38	10°34	26°31	20°47	14°56	14°36	21° 8	14°58	T 13
F 14	3 32 39	21°43'26	13°11	14° 4	27°27	23° 2	26° 7	27°42	10°34	26°30	20°46	14°56	14°33	21°15	14°56	F 14
S 15	3 36 36	22°43'56	25° 1	14°48	28°42	23°48	26°16	27°46	10°34	26°28	20°44	14°57	14°30	21°22	14°54	S 15
S 16	3 40 32	23°44'27	6♉54	15°28	29°57	24°33	26°26	27°50	10°R34	26°27	20°43	14°58	14°26	21°28	14°52	S 16
M17	3 44 29	24°45'01	18°54	16° 1	1♈11	25°18	26°36	27°55	10°34	26°25	20°42	14°59	14°23	21°35	14°50	M17
T 18	3 48 25	25°45'35	1♈ 4	16°27	2°26	26° 4	26°45	27°59	10°34	26°24	20°41	15° 0	14°20	21°42	14°48	T 18
W19	3 52 22	26°46'12	13°26	16°46	3°41	26°49	26°54	28° 4	10°34	26°22	20°40	15°R 0	14°17	21°49	14°46	W19
T 20	3 56 18	27°46'50	26° 1	16°57	4°56	27°35	27° 3	28° 8	10°33	26°21	20°39	15° 0	14°14	21°55	14°44	T 20
F 21	4 0 15	28°47'30	8♉51	16°R59	6°11	28°21	27°12	28°13	10°33	26°20	20°38	14°59	14°10	22° 2	14°42	F 21
S 22	4 4 11	29°48'11	21°55	16°50	7°26	29° 6	27°21	28°18	10°33	26°18	20°37	14°57	14° 7	22° 9	14°40	S 22
S 23	4 8 8	0♉48°53	5♊14	16°32	8°41	29°52	27°30	28°23	10°32	26°17	20°35	14°55	14° 4	22°15	14°38	S 23
M24	4 12 5	1°49'36	18°45	16° 3	9°56	0♉38	27°39	28°27	10°32	26°16	20°34	14°53	14° 1	22°22	14°37	M24
T25	4 16 1	2°50'21	2♊28	15°23	11°11	1°24	27°47	28°32	10°32	26°14	20°33	14°51	13°58	22°29	14°35	T25
W26	4 19 58	3°51'07	16°21	14°32	12°26	2°10	27°56	28°37	10°31	26°13	20°32	14°49	13°55	22°35	14°33	W26
T 27	4 23 54	4°51'53	0♈23	13°31	13°41	2°55	28° 4	28°43	10°30	26°12	20°31	14°D48	13°51	22°42	14°32	T 27
F 28	4 27 51	5°52'40	14°32	12°22	14°56	3°41	28°12	28°48	10°30	26°11	20°30	14°48	13°48	22°49	14°30	F 28
S 29	4 31 47	6°53'29	28°46	11° 6	16°11	4°27	28°20	28°53	10°29	26° 9	20°29	14°49	13°45	22°55	14°29	S 29
S 30	4 35 44	7♉54°18	13♈ 3	9♉45	17♈26	5♊13	28♈28	28♊58	10♐28	26°Y 8	20°X28	14♊51	13♊42	23♎ 2	14°Y27	S 30

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	
S 1	14s24	8s36	4s24	22s23	2s23	2s58	1n39	24s31	1s43	3n26	1n 5	21s12	0s25	18n14	0n38	S 1
S 2	14 43	1 57	3 31	22 44	2 27	3 26	1 39	24 25	1 43	3 21	1 5	21 12	0 25	18 14	0 38	S 2
M 3	15 2	4n51	2 24	23 3	2 30	3 55	1 40	24 20	1 42	3 17	1 5	21 11	0 25	18 14	0 38	M 3
T 4	15 21	11 22	1 7	23 21	2 33	4 23	1 40	24 14	1 42	3 13	1 5	21 11	0 25	18 13	0 38	T 4
W 5	15 39	17 12	0n13	23 38	2 36	4 52	1 40	24 9	1 41	3 9	1 5	21 10	0 26	18 13	0 38	W 5
T 6	15 57	21 58	1 31	23 54	2 38	5 20	1 40	24 2	1 41	3 5	1 6	21 9	0 26	18 13	0 38	T 6
F 7	16 15	25 20	2 41	24 8	2 40	5 49	1 40	23 56	1 40	3 1	1 6	21 9	0 26	18 13	0 38	F 7
S 8	16 33	27 8	3 41	24 21	2 41	6 17	1 40	23 49	1 40	2 57	1 6	21 8	0 26	18 13	0 38	S 8
S 9	16 50	27 20	4 27	24 32	2 42	6 45	1 39	23 42	1 39	2 53	1 6	21 7	0 26	18 13	0 38	S 9
M10	17 7	26 4	4 58	24 42	2 42	7 13	1 39	23 35	1 39	2 49	1 6	21 7	0 26	18 13	0 38	M10
T 11	17 24	23 33	5 14	24 50	2 42	7 41	1 39	23 28	1 38	2 46	1 6	21 6	0 26	18 13	0 38	T 11
W12	17 41	20 2	5 16	24 57	2 41	8 9	1 38	23 20	1 37	2 42	1 7	21 5	0 26	18 13	0 38	W12
T 13	17 57	15 45	5 4	25 2	2 38	8 36	1 38	23 12	1 37	2 38	1 7	21 4	0 26	18 13	0 38	T 13
F 14	18 13	10 55	4 40	25 5	2 36	9 4	1 37	23 4	1 36	2 34	1 7	21 4	0 26	18 13	0 38	F 14
S 15	18 28	5 42	4 3	25 6	2 32	9 31	1 37	22 56	1 36	2 31	1 7	21 3	0 26	18 13	0 38	S 15
S 16	18 43	0 15	3 16	25 6	2 27	9 58	1 36	22 47	1 35	2 27	1 7	21 2	0 26	18 13	0 38	S 16
M17	18 58	5s15	2 20	25 3	2 21	10 25	1 35	22 38	1 34	2 23	1 8	21 1	0 26	18 13	0 38	M17
T 18	19 13	10 39	1 16	24 59	2 13	10 51	1 34	22 29	1 34	2 20	1 8	21 0	0 26	18 13	0 38	T 18
W19	19 27	15 44	0 9	24 52	2 5	11 18	1 33	22 20	1 33	2 16	1 8	20 59	0 26	18 13	0 38	W19
T 20	19 41	20 15	1s 1	24 43	1 55	11 44	1 32	22 10	1 33	2 13	1 8	20 59	0 26	18 13	0 38	T 20
F 21	19 54	23 54	2 8	24 32	1 44	12 9	1 31	22 1	1 32	2 9	1 8	20 58	0 26	18 13	0 38	F 21
S 22	20 7	26 22	3 10	24 19	1 31	12 35	1 30	21 50	1 31	2 6	1 9	20 57	0 26	18 13	0 38	S 22
S 23	20 20	27 24	4 3	24 2	1 16	13 0	1 29	21 40	1 31	2 3	1 9	20 56	0 26	18 13	0 38	S 23
M24	20 33	26 49	4 43	23 43	1 0	13 25	1 28	21 30	1 30	1 59	1 9	20 55	0 26	18 14	0 38	M24
T25	20 45	24 37	5 8	23 22	0 43	13 50	1 26	21 19	1 29	1 56	1 9	20 54	0 26	18 14	0 38	T25
W26	20 56	20 57	5 15	22 58	0 24	14 14	1 25	21 8	1 29	1 53	1 9	20 53	0 26	18 14	0 39	W26
T 27	21 7	16 5	5 4	22 31	0 5	14 38	1 23	20 57	1 28	1 50	1 10	20 52	0 26	18 14	0 39	T 27
F 28	21 18	10 18	4 34	22 2	0n15	15 1	1 22	20 45	1 27	1 47	1 10	20 51	0 26	18 14	0 39	F 28
S 29	21 29	3 58	3 47	21 32	0 36	15 25	1 20	20 34	1 27	1 44	1 10	20 50	0 26	18 15	0 39	S 29
S 30	21s39	2n36	2s46	21s 0	0n56	15s47	1n19	20s22	1s26	1n41	1n10	20s49	0s26	18n15	0n39	S 30

Julian Day Number = 2405463.5, Delta T = -0.59 sec
 Ecliptic obliquity = 23°27'27", Nutation = -0°00'13", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°58'42", Lahiri = 22°05'43"

ASTRODIENST EPHEMERIS for the year 1873
geocentric

DECEMBER 1873

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	4 39 40	8°55'08	27°21	8°R22	18°M41	5°559	28°M36	29°3 4	10°R28	26°R 7	20°R27	14°S52	13°S39	23°M 9	14°R26	M 1
T 2	4 43 37	9°55'59	11°S35	7°A 0	19°57	6°45	28°44	29° 9	10°M27	26°V 6	20°S26	14°R53	13°36	23°16	14°V25	T 2
W 3	4 47 34	10°56'51	25°43	5°42	21°12	7°31	28°52	29°15	10°26	26° 5	20°25	14°52	13°32	23°22	14°24	W 3
T 4	4 51 30	11°57'44	9°II39	4°30	22°27	8°17	28°59	29°20	10°25	26° 4	20°24	14°51	13°29	23°29	14°22	T 4
F 5	4 55 27	12°58'38	23°20	3°26	23°42	9° 3	29° 6	29°26	10°24	26° 3	20°23	14°47	13°26	23°36	14°21	F 5
S 6	4 59 23	13°59'33	6°S44	2°31	24°57	9°49	29°13	29°31	10°23	26° 2	20°22	14°43	13°23	23°42	14°20	S 6
S 7	5 3 20	15° 0'29	19°48	1°48	26°12	10°36	29°20	29°37	10°22	26° 1	20°21	14°38	13°20	23°49	14°19	S 7
M 8	5 7 16	16° 1'26	2°S33	1°15	27°28	11°22	29°27	29°43	10°21	26° 0	20°20	14°33	13°16	23°56	14°18	M 8
T 9	5 11 13	17° 2'25	14°59	0°55	28°43	12° 8	29°34	29°49	10°19	25°59	20°19	14°28	13°13	24° 2	14°17	T 9
W10	5 15 9	18° 3'24	27°10	0°D45	29°58	12°54	29°41	29°55	10°18	25°58	20°18	14°24	13°10	24° 9	14°16	W10
T 11	5 19 6	19° 4'24	9°M10	0°45	1°A13	13°40	29°47	0°1	10°17	25°57	20°17	14°22	13° 7	24°16	14°15	T 11
F 12	5 23 3	20° 5'26	21° 2	0°55	2°29	14°27	29°53	0° 7	10°15	25°56	20°16	14°D21	13° 4	24°22	14°15	F 12
S 13	5 26 59	21° 6'28	2°S52	1°15	3°44	15°13	29°59	0°13	10°14	25°56	20°15	14°22	13° 1	24°29	14°14	S 13
S 14	5 30 56	22° 7'32	14°45	1°42	4°59	15°59	0°S 6	0°19	10°13	25°55	20°14	14°24	12°57	24°36	14°13	S 14
M15	5 34 52	23° 8'36	26°47	2°17	6°15	16°45	0°11	0°25	10°11	25°54	20°13	14°25	12°54	24°43	14°12	M15
T 16	5 38 49	24° 9'41	9°M 0	2°58	7°30	17°32	0°17	0°31	10°10	25°53	20°12	14°R27	12°51	24°49	14°12	T 16
W17	5 42 45	25°10'47	21°30	3°45	8°45	18°18	0°23	0°37	10° 8	25°53	20°11	14°27	12°48	24°56	14°11	W17
T 18	5 46 42	26°11'54	4°A19	4°38	10° 1	19° 4	0°28	0°44	10° 6	25°52	20°10	14°25	12°45	25° 3	14°11	T 18
F 19	5 50 38	27°13'02	17°28	5°34	11°16	19°50	0°33	0°50	10° 5	25°51	20° 9	14°21	12°42	25° 9	14°11	F 19
S 20	5 54 35	28°14'10	0°S57	6°35	12°31	20°37	0°38	0°56	10° 3	25°51	20° 8	14°15	12°38	25°16	14°10	S 20
S 21	5 58 32	29°15'18	14°43	7°39	13°47	21°23	0°43	1° 3	10° 1	25°50	20° 8	14° 7	12°35	25°23	14°10	S 21
M22	6 2 28	0°S16'27	28°43	8°46	15° 2	22°10	0°48	1° 9	9°59	25°50	20° 7	13°59	12°32	25°29	14°10	M22
T 23	6 6 25	1°17'37	12°S33	9°56	16°18	22°56	0°52	1°16	9°58	25°49	20° 6	13°51	12°29	25°36	14°10	T 23
W24	6 10 21	2°18'46	27° 7	11° 9	17°33	23°42	0°57	1°22	9°56	25°49	20° 5	13°45	12°26	25°43	14°10	W24
T 25	6 14 18	3°19'55	11°A22	12°23	18°48	24°29	1° 1	1°29	9°54	25°48	20° 4	13°41	12°22	25°49	14°D 9	T 25
F 26	6 18 14	4°21'04	25°34	13°39	20° 4	25°15	1° 5	1°35	9°52	25°48	20° 3	13°39	12°19	25°56	14° 9	F 26
S 27	6 22 11	5°22'13	9°V41	14°57	21°19	26° 1	1° 9	1°42	9°50	25°48	20° 3	13°D38	12°16	26° 3	14°10	S 27
S 28	6 26 8	6°23'22	23°42	16°16	22°34	26°48	1°12	1°49	9°48	25°47	20° 2	13°39	12°13	26° 9	14°10	S 28
M29	6 30 4	7°24'31	7°S37	17°37	23°50	27°34	1°16	1°55	9°46	25°47	20° 1	13°R40	12°10	26°16	14°10	M29
T 30	6 34 1	8°25'40	21°24	18°59	25° 5	28°20	1°19	2° 2	9°44	25°47	20° 1	13°40	12° 7	26°23	14°10	T 30
W31	6 37 57	9°S26'48	5°II 3	20°A21	26°A21	29°S 7	1°S22	2°S 9	9°S41	25°V46	20°S 0	13°S38	12°S 3	26°M30	14°V10	W31

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	21s48	9n 4	1s35	20s28	1n16	16s10	1n17	20s10	1s25	1n38	1n10	20s48	0s27	18n15
T 2	21 57	15 2	0 18	19 57	1 34	16 32	1 15	19 58	1 25	1 35	1 11	20 47	0 27	18 15
W 3	22 6	20 10	0n59	19 27	1 51	16 53	1 14	19 45	1 24	1 32	1 11	20 45	0 27	18 16
T 4	22 14	24 5	2 12	19 0	2 5	17 14	1 12	19 33	1 23	1 30	1 11	20 44	0 27	18 16
F 5	22 22	26 32	3 15	18 36	2 18	17 35	1 10	19 20	1 22	1 27	1 11	20 43	0 27	18 16
S 6	22 30	27 23	4 7	18 15	2 28	17 55	1 8	19 7	1 22	1 24	1 12	20 42	0 27	18 17
S 7	22 37	26 40	4 43	17 59	2 36	18 15	1 6	18 54	1 21	1 22	1 12	20 41	0 27	18 17
M 8	22 43	24 33	5 5	17 47	2 42	18 34	1 4	18 40	1 20	1 19	1 12	20 40	0 27	18 17
T 9	22 50	21 19	5 12	17 39	2 46	18 53	1 2	18 26	1 19	1 17	1 12	20 39	0 27	18 18
W10	22 55	17 13	5 4	17 35	2 48	19 11	1 0	18 13	1 19	1 14	1 13	20 37	0 27	18 18
T 11	23 0	12 31	4 43	17 35	2 48	19 28	0 58	17 59	1 18	1 12	1 13	20 36	0 27	18 18
F 12	23 5	7 24	4 11	17 38	2 47	19 45	0 56	17 45	1 17	1 10	1 13	20 35	0 27	18 19
S 13	23 10	2 1	3 27	17 44	2 45	20 2	0 54	17 30	1 16	1 7	1 13	20 34	0 27	18 19
S 14	23 13	3s27	2 35	17 53	2 41	20 18	0 52	17 16	1 16	1 5	1 14	20 32	0 27	18 20
M15	23 17	8 52	1 35	18 4	2 37	20 33	0 49	17 1	1 15	1 3	1 14	20 31	0 27	18 20
T 16	23 20	14 3	0 30	18 18	2 31	20 48	0 47	16 46	1 14	1 1	1 14	20 30	0 27	18 21
W17	23 22	18 46	0s38	18 32	2 25	21 2	0 45	16 31	1 13	0 59	1 14	20 29	0 27	18 21
T 18	23 24	22 45	1 46	18 48	2 19	21 16	0 43	16 16	1 13	0 57	1 15	20 27	0 27	18 21
F 19	23 26	25 40	2 49	19 5	2 12	21 29	0 40	16 1	1 12	0 55	1 15	20 26	0 27	18 22
S 20	23 27	27 12	3 45	19 22	2 5	21 41	0 38	15 45	1 11	0 54	1 15	20 25	0 27	18 22
S 21	23 27	27 5	4 28	19 40	1 57	21 53	0 36	15 30	1 10	0 52	1 15	20 23	0 27	18 23
M22	23 27	25 16	4 57	19 59	1 50	22 4	0 33	15 14	1 10	0 50	1 16	20 22	0 27	18 23
T 23	23 27	21 52	5 7	20 17	1 42	22 14	0 31	14 58	1 9	0 49	1 16	20 20	0 28	18 24
W24	23 26	17 10	4 59	20 35	1 34	22 24	0 28	14 42	1 8	0 47	1 16	20 19	0 28	18 24
T 25	23 25	11 30	4 32	20 53	1 25	22 33	0 26	14 26	1 7	0 46	1 16	20 18	0 28	18 25
F 26	23 23	5 16	3 49	21 11	1 17	22 42	0 23	14 9	1 6	0 45	1 17	20 16	0 28	18 26
S 27	23 21	1n12	2 52	21 28	1 9	22 49	0 21	13 53	1 6	0 43	1 17	20 15	0 28	18 26
S 28	23 18	7 35	1 45	21 45	1 1	22 56	0 19	13 36	1 5	0 42	1 17	20 13	0 28	18 27
M29	23 15	13 33	0 32	22 1	0 52	23 3	0 16	13 20	1 4	0 41	1 17	20 12	0 28	18 27
T 30	23 11	18 47	0n41	22 16	0 44	23 8	0 14	13 3	1 3	0 40	1 18	20 10	0 28	18 28
W31	23s 7	23n 0	1n52	22s30	0n36	23s13	0n11	12s46	1s 2	0n39	1n18	20s 9	0s28	18n28

Julian Day Number = 2405493.5, Delta T = -0.63 sec
Ecliptic obliquity = 23°27'27", Nutation = - 0°00'13", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°58'46, Lahiri = 22°05'47