



Astrodienst Ephemeris Tables for the year 1782

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 1782
geocentric

JANUARY 1782

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 43 1	10 ³ 48'26	25 ⁵ 47	23 ²⁷ 9	27 ²⁷ 48	26 ²⁶ 5	15 ¹⁵ 23	24 ²⁴ 25	0 ⁰ R27	8 ⁸ 2	5 ⁵ 38	21 ²¹ R51	21 ²¹ Y22	3 ³ 8 2	5 ⁵ R55	T 1
W 2	6 46 58	11 ¹¹ 49'35	9 ⁹ 2	24 ²⁴ 36	28 ²⁸ 52	26 ²⁶ 47	15 ¹⁵ 36	24 ²⁴ 32	0 ⁰ 25	8 ⁸ 2	5 ⁵ 40	21 ²¹ Y39	21 ²¹ °19	3 ³ ° 8	5 ⁵ 854	W 2
T 3	6 50 54	12 ¹² 50'45	22 ²² 27	26 ²⁶ 3	29 ²⁹ 55	27 ²⁷ 28	15 ¹⁵ 49	24 ²⁴ 39	0 ⁰ 22	8 ⁸ 3	5 ⁵ 41	21 ²¹ °29	21 ²¹ °15	3 ³ °15	5 ⁵ 53	T 3
F 4	6 54 51	13 ¹³ 51'54	6 ⁶ 17 3	27 ²⁷ 31	0 ⁰ X58	28 ²⁸ 9	16 ¹⁶ 1	24 ²⁴ 46	0 ⁰ 20	8 ⁸ 3	5 ⁵ 43	21 ²¹ °21	21 ²¹ °12	3 ³ °22	5 ⁵ 53	F 4
S 5	6 58 47	14 ¹⁴ 53'03	19 ¹⁹ 46	28 ²⁸ 59	2 ² 0	28 ²⁸ 51	16 ¹⁶ 14	24 ²⁴ 53	0 ⁰ 17	8 ⁸ 3	5 ⁵ 45	21 ²¹ °17	21 ²¹ °9	3 ³ °28	5 ⁵ 52	S 5
S 6	7 2 44	15 ¹⁵ 54'12	3 ³ 237	0 ⁰ 328	3 ³ 2	29 ²⁹ 32	16 ¹⁶ 27	24 ²⁴ 59	0 ⁰ 15	8 ⁸ 3	5 ⁵ 47	21 ²¹ °15	21 ²¹ °6	3 ³ °35	5 ⁵ 51	S 6
M 7	7 6 40	16 ¹⁶ 55'21	17 ¹⁷ 35	1 ¹ 58	4 ⁴ 4	0 ⁰ Y13	16 ¹⁶ 39	25 ²⁵ 6	0 ⁰ 12	8 ⁸ 3	5 ⁵ 48	21 ²¹ °15	21 ²¹ °3	3 ³ °42	5 ⁵ 51	M 7
T 8	7 10 37	17 ¹⁷ 56'30	1 ¹ 141	3 ³ 28	5 ⁵ 6	0 ⁰ 55	16 ¹⁶ 52	25 ²⁵ 13	0 ⁰ 10	8 ⁸ 3	5 ⁵ 50	21 ²¹ °15	21 ²¹ °0	3 ³ °48	5 ⁵ 50	T 8
W 9	7 14 33	18 ¹⁸ 57'40	15 ¹⁵ 53	4 ⁴ 59	6 ⁶ 7	1 ¹ 36	17 ¹⁷ 5	25 ²⁵ 20	0 ⁰ 7	8 ⁸ R 3	5 ⁵ 52	21 ²¹ °13	20 ²⁰ 56	3 ³ °55	5 ⁵ 50	W 9
T 10	7 18 30	19 ¹⁹ 58'49	0 ⁰ X10	6 ⁶ 30	7 ⁷ 7	2 ² 18	17 ¹⁷ 17	25 ²⁵ 26	0 ⁰ 5	8 ⁸ 3	5 ⁵ 54	21 ²¹ °9	20 ²⁰ 53	4 ⁴ °2	5 ⁵ 50	T 10
F 11	7 22 27	20 ²⁰ 59'58	14 ¹⁴ 29	8 ⁸ 1	8 ⁸ 8	2 ² 59	17 ¹⁷ 29	25 ²⁵ 33	0 ⁰ 3	8 ⁸ 3	5 ⁵ 56	21 ²¹ °3	20 ²⁰ 50	4 ⁴ °8	5 ⁵ 49	F 11
S 12	7 26 23	22 ²² 1'07	28 ²⁸ 45	9 ⁹ 33	9 ⁹ 7	3 ³ 40	17 ¹⁷ 42	25 ²⁵ 40	0 ⁰ 0	8 ⁸ 3	5 ⁵ 57	20 ²⁰ 53	20 ²⁰ 47	4 ⁴ °15	5 ⁵ 49	S 12
S 13	7 30 20	23 ²³ 2'16	12 ¹² 354	11 ¹¹ 6	10 ¹⁰ 7	4 ⁴ 22	17 ¹⁷ 54	25 ²⁵ 46	29 ²⁹ II58	8 ⁸ 3	5 ⁵ 59	20 ²⁰ 41	20 ²⁰ 44	4 ⁴ °22	5 ⁵ 49	S 13
M14	7 34 16	24 ²⁴ 3'24	26 ²⁶ 50	12 ¹² 39	11 ¹¹ 5	5 ⁵ 3	18 ¹⁸ 6	25 ²⁵ 53	29 ²⁹ 56	8 ⁸ 3	6 ⁶ 1	20 ²⁰ 28	20 ²⁰ 41	4 ⁴ °28	5 ⁵ 49	M14
T 15	7 38 13	25 ²⁵ 4'31	10 ¹⁰ 28	14 ¹⁴ 13	12 ¹² 4	5 ⁵ 44	18 ¹⁸ 19	25 ²⁵ 59	29 ²⁹ 53	8 ⁸ 2	6 ⁶ 3	20 ²⁰ 15	20 ²⁰ 37	4 ⁴ °35	5 ⁵ D49	T 15
W16	7 42 9	26 ²⁶ 5'38	23 ²³ 45	15 ¹⁵ 47	13 ¹³ 1	6 ⁶ 26	18 ¹⁸ 31	26 ²⁶ 6	29 ²⁹ 51	8 ⁸ 2	6 ⁶ 5	20 ²⁰ 3	20 ²⁰ 34	4 ⁴ °42	5 ⁵ 49	W16
T 17	7 46 6	27 ²⁷ 6'44	6 ⁶ X40	17 ¹⁷ 22	13 ¹³ 59	7 ⁷ 7	18 ¹⁸ 43	26 ²⁶ 12	29 ²⁹ 49	8 ⁸ 2	6 ⁶ 7	19 ¹⁹ 54	20 ²⁰ 31	4 ⁴ °48	5 ⁵ 49	T 17
F 18	7 50 2	28 ²⁸ 7'49	19 ¹⁹ 14	18 ¹⁸ 57	14 ¹⁴ 55	7 ⁷ 49	18 ¹⁸ 55	26 ²⁶ 18	29 ²⁹ 47	8 ⁸ 2	6 ⁶ 9	19 ¹⁹ 48	20 ²⁰ 28	4 ⁴ °55	5 ⁵ 49	F 18
S 19	7 53 59	29 ²⁹ 8'53	1 ¹ Y29	20 ²⁰ 33	15 ¹⁵ 52	8 ⁸ 30	19 ¹⁹ 7	26 ²⁶ 25	29 ²⁹ 45	8 ⁸ 1	6 ⁶ 10	19 ¹⁹ 45	20 ²⁰ 25	5 ⁵ °2	5 ⁵ 50	S 19
S 20	7 57 56	0 ⁰ 8'56	13 ¹³ 30	22 ²² 9	16 ¹⁶ 47	9 ⁹ 11	19 ¹⁹ 18	26 ²⁶ 31	29 ²⁹ 42	8 ⁸ 1	6 ⁶ 12	19 ¹⁹ 44	20 ²⁰ 21	5 ⁵ °8	5 ⁵ 50	S 20
M21	8 1 52	1 ¹ 10'58	25 ²⁵ 21	23 ²³ 46	17 ¹⁷ 42	9 ⁹ 53	19 ¹⁹ 30	26 ²⁶ 37	29 ²⁹ 40	8 ⁸ 1	6 ⁶ 14	19 ¹⁹ 44	20 ²⁰ 18	5 ⁵ °15	5 ⁵ 50	M21
T 22	8 5 49	2 ² 11'59	7 ⁷ 8 9	25 ²⁵ 24	18 ¹⁸ 36	10 ¹⁰ 34	19 ¹⁹ 42	26 ²⁶ 44	29 ²⁹ 38	8 ⁸ 0	6 ⁶ 16	19 ¹⁹ 44	20 ²⁰ 15	5 ⁵ °21	5 ⁵ 51	T 22
W23	8 9 45	3 ³ 12'59	18 ¹⁸ 58	27 ²⁷ 2	19 ¹⁹ 30	11 ¹¹ 16	19 ¹⁹ 54	26 ²⁶ 50	29 ²⁹ 36	8 ⁸ 0	6 ⁶ 18	19 ¹⁹ 43	20 ²⁰ 12	5 ⁵ °28	5 ⁵ 51	W23
T 24	8 13 42	4 ⁴ 13'58	0 ⁰ II55	28 ²⁸ 41	20 ²⁰ 22	11 ¹¹ 57	20 ²⁰ 5	26 ²⁶ 56	29 ²⁹ 34	7 ⁷ 59	6 ⁶ 20	19 ¹⁹ 39	20 ²⁰ 9	5 ⁵ °35	5 ⁵ 52	T 24
F 25	8 17 38	5 ⁵ 14'55	13 ¹³ 4	0 ⁰ 21	21 ²¹ 15	12 ¹² 38	20 ²⁰ 17	27 ²⁷ 2	29 ²⁹ 32	7 ⁷ 59	6 ⁶ 22	19 ¹⁹ 34	20 ²⁰ 6	5 ⁵ °41	5 ⁵ 52	F 25
S 26	8 21 35	6 ⁶ 15'52	25 ²⁵ 28	2 ² 1	22 ²² 6	13 ¹³ 20	20 ²⁰ 28	27 ²⁷ 8	29 ²⁹ 30	7 ⁷ 58	6 ⁶ 23	19 ¹⁹ 25	20 ²⁰ 2	5 ⁵ °48	5 ⁵ 53	S 26
S 27	8 25 31	7 ⁷ 16'47	8 ⁸ 11	3 ³ 42	22 ²² 56	14 ¹⁴ 1	20 ²⁰ 39	27 ²⁷ 14	29 ²⁹ 28	7 ⁷ 58	6 ⁶ 25	19 ¹⁹ 15	19 ¹⁹ 59	5 ⁵ °55	5 ⁵ 54	S 27
M28	8 29 28	8 ⁸ 17'42	21 ²¹ 14	5 ⁵ 23	23 ²³ 46	14 ¹⁴ 42	20 ²⁰ 50	27 ²⁷ 20	29 ²⁹ 27	7 ⁷ 57	6 ⁶ 27	19 ¹⁹ 3	19 ¹⁹ 56	6 ⁶ °1	5 ⁵ 55	M28
T 29	8 33 25	9 ⁹ 18'35	4 ⁴ 235	7 ⁷ 6	24 ²⁴ 35	15 ¹⁵ 24	21 ²¹ 2	27 ²⁷ 26	29 ²⁹ 25	7 ⁷ 56	6 ⁶ 29	18 ¹⁸ 50	19 ¹⁹ 53	6 ⁶ °8	5 ⁵ 55	T 29
W30	8 37 21	10 ¹⁰ 19'27	18 ¹⁸ 14	8 ⁸ 49	25 ²⁵ 23	16 ¹⁶ 5	21 ²¹ 13	27 ²⁷ 32	29 ²⁹ 23	7 ⁷ 56	6 ⁶ 31	18 ¹⁸ 39	19 ¹⁹ 50	6 ⁶ °15	5 ⁵ 56	W30
T 31	8 41 18	11 ¹¹ 20'17	2 ² 17 6	10 ¹⁰ 32	26 ²⁶ X10	16 ¹⁶ Y46	21 ²¹ X24	27 ²⁷ X37	29 ²⁹ II21	7 ⁷ 55	6 ⁶ 33	18 ¹⁸ Y29	19 ¹⁹ Y47	6 ⁶ 821	5 ⁵ 857	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23s 2	25n55	5n 0	23s 7	0n11	13s26	1s15	1s54	0s23	22s 9	0n31	22s15	1n 6	23n43	0n15	1s49	1n30	24s18	5s35	8n32	8n21	13n31	12n10	1s26							
W 2	22 57	22 38	4 47	23 18	0 3	12 59	1 11	1 37	0 21	22 10	0 31	22 15	1 6	23 43	0 15	1 49	1 30	24 17	5 35	8 27	8 19	13 34	12 10	1 26							
T 3	22 51	18 7	4 18	23 29	0s 4	12 33	1 6	1 19	0 20	22 12	0 31	22 15	1 6	23 43	0 15	1 49	1 30	24 17	5 35	8 23	8 18	13 37	12 9	1 26							
F 4	22 45	12 38	3 35	23 38	0 11	12 6	1 1	1 1	0 19	22 13	0 31	22 16	1 6	23 43	0 15	1 49	1 30	24 16	5 35	8 20	8 17	13 40	12 9	1 26							
S 5	22 38	6 29	2 38	23 47	0 19	11 39	0 56	0 44	0 18	22 15	0 31	22 16	1 6	23 43	0 15	1 49	1 30	24 16	5 35	8 19	8 16	13 43	12 9	1 26							
S 6	22 31	0s 2	1 32	23 54	0 26	11 12	0 51	0 26	0 16	22 16	0 31	22 16	1 6	23 43	0 15	1 49	1 30	24 15	5 35	8 18	8 15	13 47	12 9	1 26							
M 7	22 24	6 37	0 19	24 0	0 33	10 45	0 46	0 9	0 15	22 17	0 31	22 17	1 6	23 43	0 15	1 49	1 30	24 15	5 35	8 18	8 13	13 50	12 8	1 26							
T 8	22 16	12 56	0s55	24 5	0 39	10 17	0 41	0n 9	0 14	22 19	0 31	22 17	1 6	23 43	0 15	1 49	1 30	24 15	5 35	8 18	8 12	13 53	12 8	1 26							
W 9	22 8	18 38	2 6	24 8	0 46	9 49	0 35	0 27	0 13	22 20	0 31	22 17	1 6	23 43	0 15	1 49	1 31	24 14	5 35	8 17	8 11	13 56	12 8	1 26							
T 10	21 59	23 18	3 10	24 11	0 52	9 22	0 29	0 44	0 12	22 21	0 31	22 17	1 6	23 43	0 15	1 49	1 31	24 14	5 35	8 16	8 10	13 59	12 8	1 26							
F 11	21 50	26 34	4 2	24 12	0 58	8 54	0 23	1 2	0 10	22 22	0 31	22 18	1 6	23 43	0 15	1 49	1 31	24 13	5 35	8 13	8 9	14 2	12 8	1 26							
S 12	21 40	28 6	4 38	24 12	1 4	8 26	0 17	1 19	0 9	22 23	0 31	22 18	1 6	23 43	0 15	1 49	1 31	24 13	5 35	8 10	8 7	14 5	12 8	1 26							
S 13	21 30	27 46	4 57	24 10	1 10	7 58	0 11	1 37	0 8	22 25	0 31	22 18	1 6	23 43	0 15	1 48	1 31	24 12	5 35	8 5	8 6	14 8	12 8	1 26							
M14	21 20	25 41	4 58	24 7	1 15	7 30	0 5	1 54	0 7	22 26	0 31	22 18	1 6	23 43	0 15	1 48	1 31	24 12	5 35	8 0	8 5	14 11	12 8	1 26							
T 15	21 9	22 9	4 42	24 3	1 21	7 1	0n 2	2 12	0 6	22 27	0 31	22 19	1 6	23 43	0 15	1 48	1 31	24 12	5 35	7 55	8 4	14 12	12 8	1 26							
W16	20 57	17 33	4 10	23 57	1 26	6 33	0 8	2 29	0 5	22 28	0 31	22 19	1 6	23 43	0 15	1 48	1 31	24 11	5 35	7 51	8 3	14 17	12 8	1 26							
T 17	20 46	12 17	3 27	23 50	1 30	6 5	0 15	2 47	0 4	22 29	0 30	22 19	1 6	23 43	0 15	1 48	1 31	24 11	5 35	7 48	8 1	14 20	12 8	1 26							
F 18	20 34	6 38	2 34	23 42	1 35	5 37	0 22	3 4	0 2	22 30	0 30	22 19	1 6	23 43	0 15	1 48	1 31	24 10	5 35	7 45	8 0	14 23	12 8	1 26							
S 19	20 21	0 52	1 35	23 32	1 39	5 8	0 29	3 21	0 1	22 31	0 30	22 19	1 6	23 43	0 15	1 48	1 31	24 10	5 36	7 44	7 59	14 26	12 8	1 26							
S 20	20 8	4n50	0 33	23 20	1 43	4 40	0 36	3 39	0 0	22 32	0 30	22 20	1 6	23 43	0 15	1 47	1 31	24 9	5 36	7 44	7 58	14 29	12 8	1 26							
M21	19 55	10 17	0n30	23 8	1 47	4 12	0 44	3 56	0n 1	22 33	0 30	22 20	1 6	23 43	0 15	1 47	1 31	24 9	5 36	7 44	7 57	14 32	12 8	1 26							
T 22	19 42	15 21	1 31	22 53	1 50	3 44	0 51	4 13	0 2	22 34	0 30	22 20	1 6	23 43	0 15	1 47	1 31	24 9	5 36	7 44	7 55	14 35	12 8	1 26							
W23	19 28	19 52	2 29	22 38	1 53	3 16	0 59	4 30	0 3	22 35	0 30	22 20	1 6	23 43	0 15	1 47	1 31	24 8	5 36	7 43	7 54	14 39	12 9	1 26							
T 24	19 13	23 38	3 20	22 20	1 56	2 48	1 7	4 47	0 4	22 36	0 30	22 20	1 6	23 43	0 15	1 46	1 31	24 8	5 36	7 42	7 53	14 42	12 9	1 26							
F 25	18 59	26 25	4 3	22 2	1 58	2 20	1 15	5 4	0 5	22 37	0 30	22 20	1 6	23 43	0 15	1 46	1 31	24 7	5 36	7 40	7 52	14 45	12 9	1 26							
S 26	18 44	28 0	4 36	21 41	2 0	1 52	1 23	5 21	0 6	22 37	0 30	22 20	1 6	23 43	0 15	1 46	1 31	24 7	5 36	7 37	7 51	14 48	12 9	1 26							
S 27	18 29	28 9	4 56	21 19	2 2	1 25	1 31	5 38	0 7	22 38	0 30	22 21	1 6	23 43	0 15	1 46	1 32	24 6	5 36	7 33	7 49	14 51	12 9	1 26							
M28	18 13	26 45	5 1	20 56	2 3	0 57	1 39	5 55	0 8	22 39	0 30	22 21	1 6	23 43	0 15	1 45	1 32	24 6	5 36	7 28	7 48	14 54	12 10	1 26							
T 29	17 57	23 50	4 51	20 31	2 4	0 30	1 48	6 12	0 9	22 40	0 30	22 21	1 6	23 43	0 15	1 45	1 32	24 6	5 36	7 23	7 47	14 57	12 10	1 26							
W30	17 41	19 33	4 23	20 5	2 5	0 3	1 57	6 29	0 10	22 41	0 30	22 21	1 6	23 43	0 15	1 45	1 32	24 5	5 36	7 19	7 46	15 0	12 10	1 26							
T 31	17s24	14n 9	3n40	19s37	2s 5	0n24	2n 6	6n46	0n11	22s41	0n30	22s21	1n 6	23n43	0n15	1s44	1n32	24s 5	5s36	7n15	7n45	15n 3	12n11	1s26							

ASTRODIENST EPHEMERIS for the year 1782

geocentric

FEBRUARY 1782

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 45 14	12 ²² 17'07	16 ¹⁷ 7	12 ²² 17	26 ¹⁷ 56	17 ¹⁷ 27	21 ¹⁷ 35	27 ¹⁷ 43	29 ¹⁷ R20	7 ¹⁷ R54	6 ¹⁷ 35	18 ¹⁷ R23	19 ¹⁷ Y43	6 ¹⁷ 28	5 ¹⁷ 58	F 1
S 2	8 49 11	13 ²¹ 21'56	0 ¹⁴ 14	14 ²¹ 2	27 ²¹ 41	18 ²¹ 9	21 ²¹ 45	27 ²¹ 49	29 ²¹ II18	7 ²¹ 53	6 ²¹ 37	18 ²¹ Y19	19 ²¹ 40	6 ²¹ 35	5 ²¹ 59	S 2
S 3	8 53 7	14 ²² 24'3	14 ²² 24	15 ²² 48	28 ²² 25	18 ²² 50	21 ²² 56	27 ²² 54	29 ²² 16	7 ²² 53	6 ²² 38	18 ²² D18	19 ²² 37	6 ²² 41	6 ²² 1	S 3
M 4	8 57 4	15 ²³ 30'3	28 ²³ 33	17 ²³ 35	29 ²³ 8	19 ²³ 31	22 ²³ 7	28 ²³ 0	29 ²³ 15	7 ²³ 52	6 ²³ 40	18 ²³ 18	19 ²³ 34	6 ²³ 48	6 ²³ 2	M 4
T 5	9 1 0	16 ²⁴ 16'1	12 ²⁴ 40	19 ²⁴ 22	29 ²⁴ 50	20 ²⁴ 12	22 ²⁴ 17	28 ²⁴ 5	29 ²⁴ 13	7 ²⁴ 51	6 ²⁴ 42	18 ²⁴ R18	19 ²⁴ 31	6 ²⁴ 55	6 ²⁴ 3	T 5
W 6	9 4 57	17 ²⁵ 01'2	26 ²⁵ 44	21 ²⁵ 10	0 ²⁵ Y31	20 ²⁵ 53	22 ²⁵ 28	28 ²⁵ 11	29 ²⁵ 12	7 ²⁵ 50	6 ²⁵ 44	18 ²⁵ 18	19 ²⁵ 27	7 ²⁵ 1	6 ²⁵ 4	W 6
T 7	9 8 54	18 ²⁵ 45'5	10 ²⁶ 45	22 ²⁶ 58	1 ²⁶ 10	21 ²⁶ 35	22 ²⁶ 38	28 ²⁶ 16	29 ²⁶ 10	7 ²⁶ 49	6 ²⁶ 46	18 ²⁶ 16	19 ²⁶ 24	7 ²⁶ 8	6 ²⁶ 6	T 7
F 8	9 12 50	19 ²⁶ 28'2	24 ²⁶ 42	24 ²⁶ 47	1 ²⁶ 48	22 ²⁶ 16	22 ²⁶ 48	28 ²⁶ 22	29 ²⁶ 9	7 ²⁶ 48	6 ²⁶ 48	18 ²⁶ 11	19 ²⁶ 21	7 ²⁶ 15	6 ²⁶ 7	F 8
S 9	9 16 47	20 ²⁷ 10'0	8 ²⁷ 31	26 ²⁷ 37	2 ²⁷ 25	22 ²⁷ 57	22 ²⁷ 58	28 ²⁷ 27	29 ²⁷ 7	7 ²⁷ 47	6 ²⁷ 49	18 ²⁷ 4	19 ²⁷ 18	7 ²⁷ 21	6 ²⁷ 9	S 9
S 10	9 20 43	21 ²⁷ 50'2	22 ²⁷ 12	28 ²⁷ 27	3 ²⁷ 1	23 ²⁷ 38	23 ²⁷ 8	28 ²⁷ 32	29 ²⁷ 6	7 ²⁷ 46	6 ²⁷ 51	17 ²⁷ 55	19 ²⁷ 15	7 ²⁷ 28	6 ²⁷ 10	S 10
M 11	9 24 40	22 ²⁸ 30'5	5 ²⁸ 41	0 ²⁸ X17	3 ²⁸ 35	24 ²⁸ 19	23 ²⁸ 18	28 ²⁸ 37	29 ²⁸ 5	7 ²⁸ 45	6 ²⁸ 53	17 ²⁸ 45	19 ²⁸ 12	7 ²⁸ 34	6 ²⁸ 12	M 11
T 12	9 28 36	23 ²⁹ 07'0	18 ²⁹ 57	2 ²⁹ 7	4 ²⁹ 8	25 ²⁹ 0	23 ²⁹ 28	28 ²⁹ 42	29 ²⁹ 4	7 ²⁹ 44	6 ²⁹ 55	17 ²⁹ 35	19 ²⁹ 8	7 ²⁹ 41	6 ²⁹ 14	T 12
W 13	9 32 33	24 ²⁹ 44'1	1 ³⁰ 56	3 ³⁰ 57	4 ³⁰ 39	25 ³⁰ 41	23 ³⁰ 38	28 ³⁰ 47	29 ³⁰ 2	7 ³⁰ 43	6 ³⁰ 57	17 ³⁰ 26	19 ³⁰ 5	7 ³⁰ 48	6 ³⁰ 16	W 13
T 14	9 36 29	25 ³⁰ 18'8	14 ³⁰ 39	5 ³⁰ 47	5 ³⁰ 9	26 ³⁰ 23	23 ³⁰ 47	28 ³⁰ 52	29 ³⁰ 1	7 ³⁰ 42	6 ³⁰ 59	17 ³⁰ 19	19 ³⁰ 2	7 ³⁰ 54	6 ³⁰ 17	T 14
F 15	9 40 26	26 ³⁰ 51'5	27 ³⁰ 6	7 ³⁰ 37	5 ³⁰ 37	27 ³⁰ 4	23 ³⁰ 57	28 ³⁰ 57	29 ³⁰ 0	7 ³⁰ 41	7 ³⁰ 0	17 ³⁰ 15	18 ³⁰ 59	8 ³⁰ 1	6 ³⁰ 19	F 15
S 16	9 44 23	27 ³¹ 23'2	9 ³¹ Y17	9 ³¹ 26	6 ³¹ 3	27 ³¹ 45	24 ³¹ 6	29 ³¹ 2	28 ³¹ 59	7 ³¹ 40	7 ³¹ 2	17 ³¹ 12	18 ³¹ 56	8 ³¹ 8	6 ³¹ 21	S 16
S 17	9 48 19	28 ³¹ 52'2	21 ³¹ 17	11 ³¹ 14	6 ³¹ 28	28 ³¹ 26	24 ³¹ 15	29 ³¹ 6	28 ³¹ 58	7 ³¹ 38	7 ³¹ 4	17 ³¹ D12	18 ³¹ 53	8 ³¹ 14	6 ³¹ 23	S 17
M 18	9 52 16	29 ³² 20'0	3 ³² 8	13 ³² 0	6 ³² 51	29 ³² 7	24 ³² 24	29 ³² 11	28 ³² 57	7 ³² 37	7 ³² 6	17 ³² 13	18 ³² 49	8 ³² 21	6 ³² 25	M 18
T 19	9 56 12	0 ³² X24'6	14 ³² 56	14 ³² 45	7 ³² 12	29 ³² 48	24 ³² 33	29 ³² 15	28 ³² 57	7 ³² 36	7 ³² 7	17 ³² 14	18 ³² 46	8 ³² 28	6 ³² 27	T 19
W 20	10 0 9	1 ³³ 10'0	26 ³² 46	16 ³² 27	7 ³² 31	0 ³² Y29	24 ³² 42	29 ³² 20	28 ³² 56	7 ³² 35	7 ³² 9	17 ³² R16	18 ³² 43	8 ³² 34	6 ³² 29	W 20
T 21	10 4 5	2 ³³ 32'8	8 ³² II42	18 ³² 7	7 ³² 47	1 ³² 10	24 ³² 51	29 ³² 24	28 ³² 55	7 ³² 33	7 ³² 11	17 ³² 15	18 ³² 40	8 ³² 41	6 ³² 31	T 21
F 22	10 8 2	3 ³³ 52'2	20 ³² 51	19 ³² 44	8 ³² 2	1 ³² 50	25 ³² 0	29 ³² 29	28 ³² 54	7 ³² 32	7 ³² 13	17 ³² 14	18 ³² 37	8 ³² 48	6 ³² 34	F 22
S 23	10 11 58	4 ³⁴ 10'0	3 ³³ 16	21 ³³ 16	8 ³³ 15	2 ³³ 31	25 ³³ 8	29 ³³ 33	28 ³³ 54	7 ³³ 31	7 ³³ 14	17 ³³ 10	18 ³³ 33	8 ³³ 54	6 ³³ 36	S 23
S 24	10 15 55	5 ³⁴ 27'2	16 ³³ 2	22 ³³ 45	8 ³³ 25	3 ³³ 12	25 ³³ 17	29 ³³ 37	28 ³³ 53	7 ³³ 30	7 ³³ 16	17 ³³ 5	18 ³³ 30	9 ³³ 1	6 ³³ 38	S 24
M 25	10 19 52	6 ³⁴ 41'0	29 ³³ 10	24 ³³ 8	8 ³³ 33	3 ³³ 53	25 ³³ 25	29 ³³ 41	28 ³³ 52	7 ³³ 28	7 ³³ 18	16 ³³ 58	18 ³³ 27	9 ³³ 8	6 ³³ 41	M 25
T 26	10 23 48	7 ³⁴ 53'3	12 ³³ 12	25 ³³ 26	8 ³³ 39	4 ³³ 34	25 ³³ 33	29 ³³ 45	28 ³³ 52	7 ³³ 27	7 ³³ 19	16 ³³ 51	18 ³³ 24	9 ³³ 14	6 ³³ 43	T 26
W 27	10 27 45	8 ³⁵ 03'0	26 ³³ 38	26 ³³ 37	8 ³³ 43	5 ³³ 15	25 ³³ 41	29 ³³ 49	28 ³³ 51	7 ³³ 25	7 ³³ 21	16 ³³ 45	18 ³³ 21	9 ³³ 21	6 ³³ 46	W 27
T 28	10 31 41	9 ³⁵ 12'2	10 ³³ Y51	27 ³³ X42	8 ³³ R44	5 ³³ Y55	25 ³³ X49	29 ³³ X53	28 ³³ II51	7 ³³ 24	7 ³³ 23	16 ³³ Y40	18 ³³ Y18	9 ³³ X28	6 ³³ X48	T 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	17s 7	7n58	2n42	19s 7	2s 4	0n50	2n15	7n 2	0n12	22s42	0n30	22s21	1n 6	23n43	0n15	1s44	1n32	24s 4	5s36	7n13	7n43	15n 6	12n11	1s26			
S 2	16 50	1 21	1 35	18 36	2 3	1 17	2 24	7 19	0 12	22 43	0 30	22 21	1 6	23 43	0 15	1 44	1 32	24 4	5 37	7 11	7 42	15 9	12 11	1 26			
S 3	16 32	5s22	0 21	18 4	2 2	1 43	2 33	7 35	0 13	22 44	0 30	22 21	1 6	23 43	0 15	1 43	1 32	24 4	5 37	7 11	7 41	15 12	12 12	1 26			
M 4	16 14	11 49	0s54	17 30	2 0	2 8	2 42	7 52	0 14	22 44	0 30	22 21	1 6	23 43	0 15	1 43	1 32	24 3	5 37	7 11	7 40	15 15	12 12	1 26			
T 5	15 56	17 40	2 6	16 54	1 58	2 34	2 52	8 8	0 15	22 45	0 30	22 21	1 6	23 43	0 15	1 43	1 32	24 3	5 37	7 11	7 39	15 18	12 12	1 26			
W 6	15 38	22 32	3 10	16 17	1 55	2 59	3 2	8 25	0 16	22 45	0 30	22 21	1 6	23 43	0 15	1 42	1 32	24 3	5 37	7 11	7 37	15 21	12 13	1 26			
T 7	15 19	26 5	4 2	15 39	1 52	3 24	3 11	8 41	0 17	22 46	0 30	22 22	1 6	23 43	0 15	1 42	1 32	24 2	5 37	7 10	7 36	15 24	12 13	1 26			
F 8	15 1	28 1	4 40	14 58	1 48	3 48	3 21	8 57	0 18	22 47	0 30	22 22	1 6	23 43	0 15	1 41	1 32	24 2	5 37	7 8	7 35	15 27	12 14	1 26			
S 9	14 41	28 12	5 1	14 17	1 44	4 12	3 31	9 13	0 19	22 47	0 30	22 22	1 6	23 43	0 15	1 41	1 32	24 1	5 37	7 6	7 34	15 30	12 14	1 26			
S 10	14 22	26 38	5 4	13 34	1 39	4 35	3 42	9 29	0 19	22 48	0 30	22 22	1 6	23 43	0 15	1 40	1 32	24 1	5 37	7 2	7 33	15 33	12 15	1 26			
M11	14 2	23 33	4 50	12 50	1 33	4 58	3 52	9 45	0 20	22 48	0 30	22 22	1 6	23 43	0 15	1 40	1 32	24 1	5 37	6 58	7 31	15 36	12 15	1 26			
T 12	13 43	19 17	4 21	12 5	1 26	5 21	4 2	10 1	0 21	22 49	0 30	22 22	1 6	23 43	0 15	1 40	1 32	24 0	5 38	6 55	7 30	15 39	12 16	1 26			
W13	13 22	14 12	3 39	11 18	1 20	5 43	4 13	10 17	0 22	22 49	0 30	22 22	1 6	23 43	0 15	1 39	1 32	24 0	5 38	6 51	7 29	15 42	12 17	1 26			
T 14	13 2	8 36	2 46	10 31	1 12	6 4	4 23	10 33	0 23	22 50	0 30	22 22	1 6	23 43	0 15	1 39	1 32	24 0	5 38	6 49	7 28	15 44	12 17	1 26			
F 15	12 42	2 47	1 46	9 42	1 4	6 25	4 34	10 48	0 23	22 50	0 30	22 22	1 6	23 43	0 15	1 38	1 32	23 59	5 38	6 47	7 27	15 47	12 18	1 26			
S 16	12 21	3n 2	0 43	8 53	0 55	6 46	4 45	11 4	0 24	22 51	0 30	22 22	1 6	23 43	0 15	1 38	1 32	23 59	5 38	6 46	7 25	15 50	12 18	1 26			
S 17	12 0	8 39	0n22	8 3	0 45	7 5	4 55	11 19	0 25	22 51	0 30	22 22	1 6	23 43	0 15	1 37	1 33	23 59	5 38	6 46	7 24	15 53	12 19	1 26			
M18	11 39	13 55	1 25	7 13	0 35	7 24	5 6	11 34	0 26	22 51	0 30	22 22	1 6	23 43	0 15	1 37	1 33	23 58	5 38	6 46	7 23	15 56	12 20	1 26			
T 19	11 18	18 38	2 24	6 23	0 24	7 42	5 17	11 50	0 26	22 52	0 30	22 22	1 6	23 43	0 15	1 36	1 33	23 58	5 38	6 47	7 22	15 59	12 20	1 26			
W20	10 56	22 40	3 18	5 32	0 12	8 0	5 28	12 5	0 27	22 52	0 30	22 22	1 6	23 43	0 15	1 36	1 33	23 58	5 39	6 47	7 21	16 2	12 21	1 26			
T 21	10 35	25 47	4 3	4 42	0n 0	8 16	5 39	12 20	0 28	22 53	0 30	22 22	1 6	23 43	0 15	1 35	1 33	23 57	5 39	6 47	7 19	16 5	12 22	1 26			
F 22	10 13	27 46	4 38	3 52	0 13	8 32	5 49	12 35	0 29	22 53	0 30	22 22	1 6	23 43	0 15	1 35	1 33	23 57	5 39	6 46	7 18	16 8	12 22	1 26			
S 23	9 51	28 27	5 1	3 4	0 26	8 47	6 0	12 49	0 29	22 53	0 30	22 22	1 6	23 43	0 15	1 34	1 33	23 57	5 39	6 45	7 17	16 11	12 23	1 26			
S 24	9 29	27 38	5 10	2 16	0 40	9 1	6 11	13 4	0 30	22 54	0 30	22 22	1 6	23 43	0 15	1 33	1 33	23 56	5 39	6 43	7 16	16 14	12 24	1 26			
M25	9 7	25 17	5 3	1 31	0 54	9 14	6 21	13 19	0 31	22 54	0 30	22 22	1 6	23 43	0 15	1 33	1 33	23 56	5 39	6 41	7 15	16 17	12 25	1 26			
T 26	8 44	21 28	4 39	0 47	1 8	9 26	6 32	13 33	0 31	22 54	0 29	22 22	1 6	23 43	0 15	1 32	1 33	23 56	5 39	6 38	7 13	16 20	12 26	1 26			
W27	8 22	16 23	3 59	0 5	1 22	9 37	6 42	13 47	0 32	22 55	0 29	22 22	1 6	23 43	0 15	1 32	1 33	23 55	5 40	6 35	7 12	16 23	12 26	1 26			
T 28	7s59	10n19	3n 2	0n34	1n37	9n46	6n52	14n 2	0n33	22s55	0n29	22s22	1n 7	23n43	0n15	1s31	1n33	23s55	5s40	6n34	7n11	16n26	12n27	1s26			

ASTRODIENST EPHEMERIS for the year 1782
geocentric

MARCH 1782

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 35 38	10 ^h 35'18"	25 ^m 18"	28 ^h 39'	8°R42	6 ^h 36'	25 ^m 57"	29 ^m 57"	28°R51	7°R23	7 ^m 24"	16°R36	18°V14	9 ^h 34'	6 ^h 51'	F 1
S 2	10 39 34	11°35'23"	9 ^m 53"	29°29'	8°V38	7°17'	26° 4'	0 ^m 30"	28°II50	7 ^m 21"	7°26"	16°D35	18°11'	9°41'	6°53'	S 2
S 3	10 43 31	12°35'26"	24°29'	0 ^h Y10	8°32'	7°58'	26°12'	0° 4'	28°50'	7°20'	7°27'	16°V35	18° 8'	9°48'	6°56'	S 3
M 4	10 47 27	13°35'27"	9 ^m 11"	0°43'	8°23'	8°38'	26°19'	0° 8'	28°50'	7°18'	7°29'	16°36'	18° 5'	9°54'	6°59'	M 4
T 5	10 51 24	14°35'27"	23°24'	1° 7'	8°11'	9°19'	26°26'	0°11'	28°50'	7°17'	7°31'	16°38'	18° 2'	10° 1'	7° 1'	T 5
W 6	10 55 21	15°35'25"	7 ^m 36"	1°22'	7°58'	10° 0'	26°33'	0°14'	28°50'	7°15'	7°32'	16°39'	17°59'	10° 8'	7° 4'	W 6
T 7	10 59 17	16°35'22"	21°36'	1°R28	7°41'	10°40'	26°40'	0°18'	28°D50	7°14'	7°34'	16°R39	17°55'	10°14'	7° 7'	T 7
F 8	11 3 14	17°35'17"	5 ^m 32"	1°26'	7°22'	11°21'	26°47'	0°21'	28°50'	7°12'	7°35'	16°38'	17°52'	10°21'	7°10'	F 8
S 9	11 7 10	18°35'10"	18°53'	1°14'	7° 1'	12° 1'	26°53'	0°24'	28°50'	7°11'	7°37'	16°35'	17°49'	10°27'	7°13'	S 9
S 10	11 11 7	19°35'02"	2 ^m 12"	0°55'	6°38'	12°42'	27° 0'	0°27'	28°50'	7° 9'	7°38'	16°31'	17°46'	10°34'	7°16'	S 10
M 11	11 15 3	20°34'51"	15°16'	0°27'	6°12'	13°22'	27° 6'	0°30'	28°50'	7° 8'	7°40'	16°27'	17°43'	10°41'	7°19'	M 11
T 12	11 19 0	21°34'39"	28° 7'	29 ^h X53	5°45'	14° 3'	27°12'	0°33'	28°50'	7° 6'	7°41'	16°23'	17°39'	10°47'	7°22'	T 12
W 13	11 22 56	22°34'25"	10 ^h X45	29°12'	5°15'	14°43'	27°18'	0°35'	28°51'	7° 4'	7°42'	16°19'	17°36'	10°54'	7°25'	W 13
T 14	11 26 53	23°34'09"	23°11'	28°27'	4°44'	15°24'	27°24'	0°38'	28°51'	7° 3'	7°44'	16°17'	17°33'	11° 1'	7°28'	T 14
F 15	11 30 50	24°33'51"	5 ^h Y25	27°37'	4°11'	16° 4'	27°30'	0°41'	28°51'	7° 1'	7°45'	16°15'	17°30'	11° 7'	7°31'	F 15
S 16	11 34 46	25°33'31"	17°28'	26°44'	3°37'	16°45'	27°35'	0°43'	28°52'	7° 0'	7°47'	16°D15	17°27'	11°14'	7°35'	S 16
S 17	11 38 43	26°33'09"	29°24'	25°50'	3° 2'	17°25'	27°40'	0°45'	28°52'	6°58'	7°48'	16°15'	17°24'	11°21'	7°38'	S 17
M 18	11 42 39	27°32'45"	11 ^h X14	24°55'	2°25'	18° 5'	27°45'	0°48'	28°53'	6°56'	7°49'	16°16'	17°20'	11°27'	7°41'	M 18
T 19	11 46 36	28°32'19"	23° 2'	24° 1'	1°48'	18°46'	27°50'	0°50'	28°54'	6°55'	7°51'	16°18'	17°17'	11°34'	7°44'	T 19
W 20	11 50 32	29°31'50"	4 ^h II51	23° 8'	1°11'	19°26'	27°55'	0°52'	28°54'	6°53'	7°52'	16°19'	17°14'	11°41'	7°48'	W 20
T 21	11 54 29	0 ^h Y31'19"	16°47'	22°18'	0°33'	20° 6'	28° 0'	0°54'	28°55'	6°52'	7°53'	16°21'	17°11'	11°47'	7°51'	T 21
F 22	11 58 25	1°30'46"	28°54'	21°31'	29 ^h X55	20°46'	28° 4'	0°56'	28°56'	6°50'	7°54'	16°R21	17° 8'	11°54'	7°55'	F 22
S 23	12 2 22	2°30'10"	11 ^h II56	20°49'	29°18'	21°27'	28° 9'	0°58'	28°57'	6°48'	7°56'	16°21'	17° 4'	12° 1'	7°58'	S 23
S 24	12 6 19	3°29'32"	23°59'	20°11'	28°41'	22° 7'	28°13'	0°59'	28°57'	6°47'	7°57'	16°20'	17° 1'	12° 7'	8° 1'	S 24
M 25	12 10 15	4°28'52"	7 ^h II 5	19°39'	28° 4'	22°47'	28°17'	1° 1'	28°58'	6°45'	7°58'	16°19'	16°58'	12°14'	8° 5'	M 25
T 26	12 14 12	5°28'10"	20°37'	19°12'	27°29'	23°27'	28°21'	1° 2'	28°59'	6°43'	7°59'	16°17'	16°55'	12°21'	8° 8'	T 26
W 27	12 18 8	6°27'25"	4 ^h III35	18°51'	26°55'	24° 7'	28°24'	1° 4'	29° 0'	6°42'	8° 0'	16°16'	16°52'	12°27'	8°12'	W 27
T 28	12 22 5	7°26'38"	18°57'	18°35'	26°23'	24°47'	28°28'	1° 5'	29° 2'	6°40'	8° 1'	16°15'	16°49'	12°34'	8°16'	T 28
F 29	12 26 1	8°25'49"	3 ^h II39	18°25'	25°52'	25°27'	28°31'	1° 6'	29° 3'	6°38'	8° 3'	16°15'	16°45'	12°41'	8°19'	F 29
S 30	12 29 58	9°24'57"	18°34'	18°D21	25°23'	26° 7'	28°34'	1° 8'	29° 4'	6°37'	8° 4'	16°D14	16°42'	12°47'	8°23'	S 30
S 31	12 33 54	10°Y24'04"	3 ^h III35	18 ^h X23	24 ^h X55	26 ^h Y47	28 ^h X37	1 ^h II 9	29°II 5	6 ^h II35	8 ^h II 5	16°Y15	16°Y39	12 ^h II54	8 ^h II27	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	7s36	3n36	1n53	1n10	1n51	9n55	7n 2	14n16	0n33	22s55	0n29	22s22	1n 7	23n43	0n15	F 1
S 2	7 14	3s22	0 36	1 42	2 5	10 2	7 12	14 30	0 34	22 55	0 29	22 22	1 7	23 43	0 15	S 2
S 3	6 51	10 10	0s43	2 11	2 19	10 8	7 21	14 44	0 35	22 56	0 29	22 22	1 7	23 43	0 15	S 3
M 4	6 28	16 24	2 0	2 36	2 32	10 13	7 30	14 57	0 35	22 56	0 29	22 22	1 7	23 43	0 15	M 4
T 5	6 4	21 41	3 8	2 57	2 44	10 16	7 38	15 11	0 36	22 56	0 29	22 22	1 7	23 43	0 15	T 5
W 6	5 41	25 37	4 4	3 14	2 55	10 18	7 46	15 25	0 37	22 56	0 29	22 21	1 7	23 43	0 15	W 6
T 7	5 18	27 56	4 44	3 25	3 6	10 18	7 54	15 38	0 37	22 56	0 29	22 21	1 7	23 43	0 15	T 7
F 8	4 55	28 29	5 7	3 33	3 15	10 17	8 1	15 51	0 38	22 57	0 29	22 21	1 7	23 43	0 15	F 8
S 9	4 31	27 18	5 13	3 35	3 22	10 15	8 7	16 4	0 38	22 57	0 29	22 21	1 7	23 43	0 15	S 9
S 10	4 8	24 36	5 2	3 33	3 28	10 11	8 13	16 17	0 39	22 57	0 29	22 21	1 7	23 43	0 15	S 10
M 11	3 44	20 39	4 35	3 26	3 33	10 5	8 18	16 30	0 40	22 57	0 29	22 21	1 7	23 43	0 15	M 11
T 12	3 21	15 48	3 54	3 15	3 35	9 58	8 23	16 43	0 40	22 57	0 29	22 21	1 7	23 43	0 15	T 12
W 13	2 57	10 22	3 3	2 59	3 36	9 50	8 26	16 55	0 41	22 57	0 29	22 21	1 7	23 43	0 15	W 13
T 14	2 33	4 36	2 4	2 40	3 35	9 40	8 29	17 8	0 41	22 57	0 29	22 21	1 7	23 43	0 15	T 14
F 15	2 10	1n15	0 59	2 17	3 32	9 29	8 31	17 20	0 42	22 58	0 29	22 21	1 7	23 43	0 15	F 15
S 16	1 46	6 58	0n 7	1 52	3 27	9 16	8 32	17 32	0 42	22 58	0 29	22 21	1 7	23 43	0 15	S 16
S 17	1 22	12 24	1 12	1 24	3 20	9 2	8 32	17 44	0 43	22 58	0 29	22 21	1 7	23 43	0 15	S 17
M 18	0 59	17 20	2 14	0 54	3 11	8 47	8 31	17 56	0 43	22 58	0 29	22 21	1 7	23 43	0 15	M 18
T 19	0 35	21 37	3 10	0 23	3 1	8 30	8 30	18 8	0 44	22 58	0 29	22 21	1 7	23 43	0 15	T 19
W 20	0 11	25 1	3 58	0s 8	2 49	8 13	8 27	18 19	0 45	22 58	0 29	22 21	1 7	23 43	0 15	W 20
T 21	0n12	27 23	4 36	0 40	2 37	7 54	8 23	18 31	0 45	22 58	0 29	22 21	1 7	23 43	0 15	T 21
F 22	0 36	28 30	5 2	1 11	2 23	7 35	8 19	18 42	0 46	22 58	0 29	22 21	1 7	23 43	0 15	F 22
S 23	1 0	28 14	5 16	1 41	2 8	7 15	8 13	18 53	0 46	22 58	0 29	22 21	1 7	23 43	0 15	S 23
S 24	1 23	26 29	5 14	2 9	1 53	6 55	8 7	19 4	0 47	22 58	0 29	22 21	1 7	23 43	0 15	S 24
M 25	1 47	23 18	4 56	2 36	1 38	6 34	8 0	19 15	0 47	22 58	0 29	22 20	1 7	23 43	0 15	M 25
T 26	2 11	18 46	4 22	3 1	1 22	6 12	7 52	19 26	0 47	22 59	0 29	22 20	1 8	23 43	0 15	T 26
W 27	2 34	13 7	3 31	3 24	1 7	5 51	7 43	19 36	0 48	22 59	0 29	22 20	1 8	23 43	0 15	W 27
T 28	2 57	6 37	2 26	3 44	0 51	5 29	7 33	19 46	0 48	22 59	0 29	22 20	1 8	23 43	0 15	T 28
F 29	3 21	0s24	1 9	4 2	0 36	5 8	7 23	19 56	0 49	22 59	0 29	22 20	1 8	23 43	0 15	F 29
S 30	3 44	7 29	0s13	4 18	0 21	4 46	7 12	20 6	0 49	22 59	0 29	22 20	1 8	23 43	0 15	S 30
S 31	4n 7	14s13	1s35	4s31	0n 6	4n25	7n 1	20n16	0n50	22s59	0n29	22s20	1n 8	23n43	0n15	S 31

Julian Day Number = 2371981.5, Delta T = 22.31 sec
Ecliptic obliquity = 23°28'13", Nutation = - 0°00'04", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°41'56", Lahiri = 20°48'56"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1782
geocentric

APRIL 1782

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 37 51	11°23'09	18°32'	18°30'	24°R30	27°8'27	28°40'	1°30'	29°II 6	6°R33	8°6	16°V15	16°V36	13°8 1	8°830	M 1
T 2	12 41 47	12°22'12	3°18'	18°42'	24°H 7	28° 7	28°43'	1°10'	29° 8	6°32	8° 7	16°15	16°33	13° 7	8°34	T 2
W 3	12 45 44	13°21'13	17°48'	18°59'	23°47	28°47	28°45'	1°11'	29° 9	6°30	8° 8	16°16	16°30	13°14	8°38	W 3
T 4	12 49 41	14°20'13	1°57	19°21	23°29	29°27	28°47'	1°12'	29°11	6°28	8° 9	16°16	16°26	13°21	8°41	T 4
F 5	12 53 37	15°19'10	15°45'	19°48'	23°13	0°II 7	28°49'	1°12'	29°12	6°27	8°10	16°R16	16°23	13°27	8°45	F 5
S 6	12 57 34	16°18'06	29°12	20°19	22°59	0°47	28°51'	1°13'	29°14	6°25	8°10	16°D16	16°20	13°34	8°49	S 6
S 7	13 1 30	17°17'01	12°18'	20°54	22°48	1°27	28°53'	1°13'	29°15	6°24	8°11	16°16	16°17	13°41	8°53	S 7
M 8	13 5 27	18°15'53	25° 7	21°33	22°40	2° 7	28°54'	1°13'	29°17	6°22	8°12	16°16	16°14	13°47	8°57	M 8
T 9	13 9 23	19°14'44	7°40'	22°16	22°34	2°46	28°55'	1°13'	29°18	6°20	8°13	16°16	16°10	13°54	9° 1	T 9
W10	13 13 20	20°13'33	20° 0	23° 3	22°30	3°26	28°57'	1°R13	29°20	6°19	8°14	16°17	16° 7	14° 1	9° 4	W10
T 11	13 17 16	21°12'20	2°V10	23°53	22°D29	4° 6	28°57'	1°13'	29°22	6°17	8°15	16°17	16° 4	14° 7	9° 8	T 11
F 12	13 21 13	22°11'05	14°11	24°46	22°31	4°46	28°58'	1°13'	29°24	6°16	8°15	16°R17	16° 1	14°14	9°12	F 12
S 13	13 25 10	23° 9'48	26° 6	25°42	22°34	5°25	28°59'	1°13'	29°26	6°14	8°16	16°17	15°58	14°21	9°16	S 13
S 14	13 29 6	24° 8'29	7°56	26°41	22°40	6° 5	28°59'	1°12'	29°28	6°12	8°17	16°17	15°55	14°27	9°20	S 14
M15	13 33 3	25° 7'08	19°45	27°43	22°48	6°45	28°R59	1°12'	29°30	6°11	8°17	16°16	15°51	14°34	9°24	M15
T 16	13 36 59	26° 5'45	1°II34	28°48	22°58	7°24	28°59'	1°11'	29°32	6° 9	8°18	16°14	15°48	14°41	9°28	T 16
W17	13 40 56	27° 4'20	13°25	29°55	23°11	8° 4	28°59'	1°11'	29°34	6° 8	8°19	16°13	15°45	14°47	9°32	W17
T 18	13 44 52	28° 2'53	25°23	1°V 5	23°25	8°43	28°59'	1°10'	29°36	6° 6	8°19	16°11	15°42	14°54	9°36	T 18
F 19	13 48 49	29° 1'24	7°30	2°17	23°41	9°23	28°58'	1° 9	29°38	6° 5	8°20	16°10	15°39	15° 1	9°40	F 19
S 20	13 52 45	29°59'53	19°51	3°31	24° 0	10° 2	28°57'	1° 8	29°40	6° 3	8°20	16° 9	15°36	15° 7	9°44	S 20
S 21	13 56 42	0°58'20	2°30	4°48	24°20	10°42	28°56'	1° 7	29°42	6° 2	8°21	16°D 9	15°32	15°14	9°48	S 21
M22	14 0 39	1°56'44	15°30	6° 6	24°42	11°21	28°55'	1° 6	29°44	6° 0	8°21	16° 9	15°29	15°21	9°52	M22
T 23	14 4 35	2°55'06	28°54	7°27	25° 5	12° 1	28°54'	1° 5	29°47	5°59	8°22	16°10	15°26	15°27	9°56	T 23
W24	14 8 32	3°53'26	12°14	8°50	25°31	12°40	28°52'	1° 4	29°49	5°58	8°22	16°12	15°23	15°34	10° 0	W24
T 25	14 12 28	4°51'44	27° 2	10°15	25°58	13°20	28°50'	1° 2	29°51	5°56	8°23	16°13	15°20	15°41	10° 4	T 25
F 26	14 16 25	5°50'00	11°44	11°42	26°26	13°59	28°49'	1° 1	29°54	5°55	8°23	16°R13	15°16	15°47	10° 8	F 26
S 27	14 20 21	6°48'14	26°45	13°11	26°56	14°38	28°46'	0°59	29°56	5°53	8°23	16°13	15°13	15°54	10°12	S 27
S 28	14 24 18	7°46'27	11°56	14°42	27°28	15°18	28°44'	0°57	29°59	5°52	8°24	16°12	15°10	16° 1	10°16	S 28
M29	14 28 14	8°44'37	27°10	16°15	28° 1	15°57	28°42'	0°56	0°56 1	5°51	8°24	16°10	15° 7	16° 7	10°20	M29
T 30	14 32 11	9°42'47	12°15	17°V50	28°H35	16°II36	28°43'39	0°54	0°54 4	5°49	8°24	16°V 7	15°V 4	16°14	10°24	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	4n31	20s 5	2s50	4s41	0s 8	4n 4	6n49	20n26	0n50	22s59	0n29	22s20	1n 8	23n43	0n15	1s11	1n33	23s50	5s46	6n24	6n32	17n57	12n59	1s27	
T 2	4 54	24 39	3 53	4 49	0 22	3 44	6 37	20 35	0 51	22 59	0 29	22 20	1 8	23 43	0 15	1 10	1 33	23 49	5 46	6 24	6 31	18 0	13 0	1 27	
W 3	5 17	27 33	4 39	4 54	0 35	3 25	6 24	20 45	0 51	22 59	0 29	22 20	1 8	23 43	0 15	1 9	1 33	23 49	5 46	6 24	6 30	18 2	13 2	1 27	
T 4	5 40	28 35	5 8	4 57	0 48	3 6	6 12	20 54	0 51	22 59	0 29	22 20	1 8	23 43	0 15	1 9	1 33	23 49	5 46	6 24	6 28	18 5	13 3	1 27	
F 5	6 2	27 48	5 18	4 58	1 0	2 47	5 59	21 3	0 52	22 59	0 29	22 20	1 8	23 43	0 15	1 8	1 33	23 49	5 47	6 24	6 27	18 8	13 4	1 27	
S 6	6 25	25 23	5 10	4 56	1 11	2 30	5 45	21 12	0 52	22 59	0 29	22 20	1 8	23 43	0 15	1 7	1 33	23 49	5 47	6 24	6 26	18 11	13 5	1 27	
S 7	6 48	21 42	4 46	4 52	1 22	2 14	5 32	21 20	0 53	22 59	0 29	22 20	1 8	23 43	0 15	1 7	1 33	23 49	5 47	6 24	6 25	18 14	13 6	1 27	
M 8	7 10	17 3	4 8	4 45	1 32	1 58	5 19	21 29	0 53	22 59	0 29	22 20	1 8	23 43	0 15	1 6	1 33	23 49	5 47	6 24	6 23	18 16	13 7	1 27	
T 9	7 33	11 46	3 19	4 37	1 41	1 43	5 5	21 37	0 53	22 59	0 29	22 20	1 8	23 43	0 15	1 5	1 33	23 49	5 48	6 24	6 22	18 19	13 9	1 27	
W10	7 55	6 7	2 21	4 27	1 50	1 29	4 52	21 45	0 54	22 59	0 29	22 20	1 8	23 43	0 15	1 5	1 33	23 49	5 48	6 25	6 21	18 22	13 10	1 27	
T 11	8 17	0 20	1 18	4 14	1 58	1 17	4 38	21 53	0 54	22 59	0 29	22 20	1 8	23 43	0 15	1 4	1 33	23 49	5 48	6 25	6 20	18 25	13 11	1 27	
F 12	8 39	5n25	0 12	4 0	2 5	1 5	4 25	22 1	0 55	22 59	0 29	22 20	1 8	23 43	0 15	1 4	1 33	23 49	5 48	6 25	6 19	18 27	13 12	1 27	
S 13	9 1	10 56	0n54	3 44	2 12	0 54	4 12	22 8	0 55	22 59	0 29	22 20	1 8	23 43	0 15	1 3	1 33	23 49	5 48	6 25	6 17	18 30	13 13	1 27	
S 14	9 22	16 1	1 57	3 26	2 19	0 44	3 58	22 15	0 55	22 59	0 29	22 20	1 8	23 43	0 15	1 2	1 33	23 49	5 49	6 25	6 16	18 33	13 15	1 27	
M15	9 44	20 30	2 55	3 7	2 24	0 35	3 45	22 23	0 56	22 59	0 29	22 20	1 8	23 43	0 15	1 2	1 33	23 49	5 49	6 24	6 15	18 36	13 16	1 27	
T 16	10 5	24 11	3 46	2 46	2 29	0 28	3 33	22 30	0 56	22 59	0 29	22 20	1 8	23 43	0 15	1 1	1 33	23 49	5 49	6 24	6 14	18 38	13 17	1 27	
W17	10 27	26 51	4 26	2 23	2 34	0 21	3 20	22 36	0 56	22 59	0 29	22 19	1 8	23 43	0 15	1 1	1 33	23 49	5 49	6 23	6 12	18 41	13 18	1 27	
T 18	10 48	28 19	4 56	1 59	2 37	0 15	3 7	22 43	0 57	22 59	0 28	22 19	1 8	23 43	0 15	1 0	1 33	23 50	5 50	6 23	6 11	18 44	13 19	1 28	
F 19	11 8	28 28	5 13	1 33	2 40	0 10	2 55	22 50	0 57	23 0	0 28	22 19	1 8	23 43	0 15	0 59	1 33	23 50	5 50	6 22	6 10	18 46	13 21	1 28	
S 20	11 29	27 12	5 16	1 6	2 43	0 6	2 43	22 56	0 57	23 0	0 28	22 19	1 8	23 43	0 15	0 59	1 33	23 50	5 50	6 22	6 9	18 49	13 22	1 28	
S 21	11 50	24 33	5 4	0 37	2 45	0 4	2 31	23 2	0 58	23 0	0 28	22 19	1 9	23 43	0 15	0 58	1 33	23 50	5 50	6 22	6 7	18 52	13 23	1 28	
M22	12 10	20 36	4 36	0 7	2 46	0 2	2 20	23 8	0 58	23 0	0 28	22 19	1 9	23 43	0 15	0 58	1 33	23 50	5 51	6 22	6 6	18 55	13 24	1 28	
T 23	12 30	15 30	3 53	0n24	2 47	0 0	2 8	23 13	0 58	23 0	0 28	22 19	1 9	23 43	0 15	0 57	1 33	23 50	5 51	6 22	6 5	18 57	13 25	1 28	
W24	12 50	9 28	2 55	0 57	2 47	0 0	1 57	23 19	0 59	23 0	0 28	22 19	1 9	23 43	0 15	0 57	1 33	23 50	5 51	6 23	6 4	19 0	13 27	1 28	
T 25	13 10	2 46	1 44	1 30	2 47	0 1	1 46	23 24	0 59	23 0	0 28	22 19	1 9	23 43	0 15	0 56	1 33	23 50	5 51	6 23	6 3	19 3	13 28	1 28	
F 26	13 29	4s16	0 25	2 5	2 46	0 3	1 35	23 29	0 59	23 0	0 28	22 19	1 9	23 43	0 15	0 55	1 33	23 50	5 51	6 23	6 1	19 5	13 29	1 28	
S 27	13 48	11 13	0s58	2 41	2 45	0 5	1 25	23 34	1 0	23 0	0 28	22 19	1 9	23 43	0 15	0 55	1 33	23 51	5 52	6 23	6 0	19 8	13 30	1 28	
S 28	14 7	17 37	2 17	3 18	2 43	0 8	1 15	23 39	1 0	23 0	0 28	22 19	1 9	23 43	0 15	0 54	1 33	23 51	5 52	6 23	5 59	19 11	13 31	1 28	
M29	14 26	22 54	3 27	3 56	2 40	0 12	1 5	23 43	1 0	23 0	0 28	22 19	1 9	23 43	0 15	0 54	1 33	23 51	5 52	6 22	5 58	19 13	13 32	1 28	
T 30	14n45	26s37	4s21	4n35	2s37	0n17	0n55	23n48	1n 0	23s 0	0n28	22s19	1n 9	23n43	0n15	0s53	1n33	23s51	5s52	6n21	5n56	19n16	13n34	1s28	

ASTRODIENST EPHEMERIS for the year 1782
geocentric

MAY 1782

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	14 36 8	10♈40'54	27♊ 3	19♊26	29♋11	17♌15	28♍R36	0°R52	0♎6	5°R48	8♐25	16°R 3	15♑ 1	16♒21	10♓28	W 1
T 2	14 40 4	11°39'00	11♋27	21° 5	29°47	17°55	28♎33	0♏50	0° 9	5♐47	8°25	16♑ 1	14°57	16°27	10°33	T 2
F 3	14 44 1	12°37'05	25°25	22°46	0♐25	18°34	28°30	0°48	0°12	5°46	8°25	15°58	14°54	16°34	10°37	F 3
S 4	14 47 57	13°35'08	8♐55	24°28	1° 5	19°13	28°27	0°45	0°14	5°44	8°25	15°D57	14°51	16°41	10°41	S 4
S 5	14 51 54	14°33'10	22° 0	26°12	1°45	19°52	28°23	0°43	0°17	5°43	8°25	15°57	14°48	16°47	10°45	S 5
M 6	14 55 50	15°31'10	4♋43	27°59	2°26	20°31	28°20	0°41	0°20	5°42	8°25	15°59	14°45	16°54	10°49	M 6
T 7	14 59 47	16°29'10	17° 7	29°47	3° 8	21°10	28°16	0°38	0°23	5°41	8°25	16° 0	14°42	17° 1	10°53	T 7
W 8	15 3 43	17°27'07	29°17	1♌37	3°52	21°50	28°12	0°36	0°26	5°40	8°26	16° 2	14°38	17° 7	10°57	W 8
T 9	15 7 40	18°25'04	11♍16	3°29	4°36	22°29	28° 8	0°33	0°28	5°38	8°R26	16°R 3	14°35	17°14	11° 1	T 9
F 10	15 11 37	19°22'59	23° 9	5°23	5°21	23° 8	28° 3	0°30	0°31	5°37	8°26	16° 3	14°32	17°21	11° 5	F 10
S 11	15 15 33	20°20'52	4♌58	7°19	6° 7	23°47	27°59	0°28	0°34	5°36	8°25	16° 1	14°29	17°27	11° 9	S 11
S 12	15 19 30	21°18'44	16°45	9°16	6°54	24°26	27°54	0°25	0°37	5°35	8°25	15°58	14°26	17°34	11°13	S 12
M13	15 23 26	22°16'35	28°35	11°16	7°41	25° 5	27°49	0°22	0°40	5°34	8°25	15°53	14°22	17°41	11°17	M13
T 14	15 27 23	23°14'25	10♎27	13°17	8°30	25°44	27°44	0°19	0°43	5°33	8°25	15°46	14°19	17°47	11°21	T 14
W15	15 31 19	24°12'13	22°24	15°20	9°19	26°23	27°39	0°16	0°46	5°32	8°25	15°39	14°16	17°54	11°25	W15
T 16	15 35 16	25° 9'59	4♏28	17°25	10° 9	27° 2	27°34	0°13	0°49	5°31	8°25	15°32	14°13	18° 1	11°29	T 16
F 17	15 39 12	26° 7'44	16°41	19°31	10°59	27°41	27°28	0° 9	0°52	5°30	8°25	15°26	14°10	18° 7	11°33	F 17
S 18	15 43 9	27° 5'27	29° 6	21°39	11°50	28°19	27°23	0° 6	0°55	5°29	8°25	15°21	14° 7	18°14	11°37	S 18
S 19	15 47 6	28° 3'09	11♏45	23°48	12°42	28°58	27°17	0° 3	0°59	5°29	8°24	15°18	14° 3	18°21	11°41	S 19
M20	15 51 2	29° 0'49	24°42	25°58	13°34	29°37	27°11	29♊59	1° 2	5°28	8°24	15°D16	14° 0	18°27	11°45	M20
T 21	15 54 59	29°58'28	7♎59	28° 8	14°27	0♌16	27° 6	29°56	1° 5	5°27	8°24	15°17	13°57	18°34	11°49	T 21
W22	15 58 55	0♎56'04	21°40	0♎20	15°20	0°55	26°59	29°52	1° 8	5°26	8°23	15°18	13°54	18°41	11°53	W22
T 23	16 2 52	1°53'40	5♌46	2°32	16°14	1°34	26°53	29°49	1°11	5°25	8°23	15°19	13°51	18°47	11°57	T 23
F 24	16 6 48	2°51'14	20°16	4°43	17° 9	2°12	26°47	29°45	1°15	5°25	8°23	15°R19	13°48	18°54	12° 0	F 24
S 25	16 10 45	3°48'46	5♎ 7	6°55	18° 4	2°51	26°41	29°41	1°18	5°24	8°22	15°18	13°44	19° 1	12° 4	S 25
S 26	16 14 41	4°46'18	20°14	9° 6	19° 0	3°30	26°34	29°38	1°21	5°23	8°22	15°14	13°41	19° 7	12° 8	S 26
M27	16 18 38	5°43'48	5♊28	11°17	19°56	4° 9	26°27	29°34	1°25	5°23	8°21	15° 8	13°38	19°14	12°12	M27
T 28	16 22 35	6°41'17	20°38	13°26	20°52	4°47	26°21	29°30	1°28	5°22	8°21	15° 1	13°35	19°21	12°16	T 28
W29	16 26 31	7°38'46	5♋34	15°35	21°49	5°26	26°14	29°26	1°31	5°21	8°20	14°53	13°32	19°27	12°20	W29
T 30	16 30 28	8°36'13	20° 8	17°42	22°46	6° 5	26° 7	29°22	1°35	5°21	8°20	14°46	13°28	19°34	12°23	T 30
F 31	16 34 24	9♎33'40	4♐15	19♎47	23♏44	6♏43	26♊ 0	29♊18	1♏38	5♌20	8♐19	14♏40	13♏25	19♌41	12♌27	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	15n 3	28s23	4s57	5n15	2s33	0n22	0n46	23n52	1n 1	23s 0	0n28	22s19	1n 9	23n43
T 2	15 21	28 11	5 13	5 56	2 29	0 29	0 37	23 56	1 1	23 0	0 28	22 19	1 9	23 43
F 3	15 39	26 10	5 10	6 38	2 25	0 36	0 28	24 0	1 1	23 0	0 28	22 19	1 9	23 43
S 4	15 56	22 42	4 50	7 20	2 19	0 43	0 19	24 3	1 1	23 0	0 28	22 19	1 9	23 43
S 5	16 13	18 12	4 14	8 3	2 14	0 52	0 11	24 6	1 2	23 0	0 28	22 19	1 9	23 43
M 6	16 31	13 1	3 28	8 47	2 7	1 0	0 3	24 10	1 2	23 0	0 28	22 19	1 9	23 43
T 7	16 47	7 26	2 32	9 32	2 1	1 10	0s 5	24 13	1 2	23 0	0 28	22 19	1 9	23 43
W 8	17 4	1 40	1 31	10 17	1 53	1 20	0 13	24 15	1 2	23 0	0 28	22 19	1 9	23 43
T 9	17 20	4n 4	0 26	11 2	1 46	1 31	0 21	24 18	1 3	23 0	0 27	22 19	1 9	23 43
F 10	17 36	9 36	0n39	11 48	1 38	1 42	0 28	24 20	1 3	23 0	0 27	22 19	1 9	23 43
S 11	17 51	14 47	1 42	12 34	1 29	1 54	0 35	24 22	1 3	23 0	0 27	22 19	1 9	23 43
S 12	18 7	19 25	2 40	13 20	1 20	2 6	0 42	24 24	1 3	23 0	0 27	22 19	1 9	23 43
M13	18 22	23 18	3 31	14 6	1 11	2 19	0 48	24 26	1 4	23 0	0 27	22 19	1 9	23 43
T 14	18 36	26 13	4 13	14 52	1 1	2 32	0 55	24 28	1 4	23 0	0 27	22 19	1 9	23 43
W15	18 51	27 59	4 45	15 38	0 52	2 46	1 1	24 29	1 4	23 0	0 27	22 19	1 9	23 43
T 16	19 5	28 27	5 4	16 23	0 41	3 0	1 7	24 30	1 4	23 0	0 27	22 19	1 9	23 43
F 17	19 19	27 33	5 10	17 8	0 31	3 15	1 12	24 31	1 4	23 0	0 27	22 19	1 9	23 43
S 18	19 32	25 16	5 1	17 52	0 21	3 29	1 18	24 32	1 5	23 0	0 27	22 19	1 9	23 43
S 19	19 45	21 43	4 37	18 35	0 10	3 45	1 23	24 33	1 5	23 0	0 27	22 19	1 9	23 43
M20	19 58	17 4	4 0	19 17	0n 1	4 0	1 28	24 33	1 5	23 0	0 27	22 19	1 9	23 43
T 21	20 10	11 29	3 8	19 57	0 11	4 16	1 33	24 33	1 5	23 0	0 27	22 19	1 9	23 43
W22	20 22	5 13	2 4	20 36	0 22	4 33	1 38	24 33	1 5	23 0	0 27	22 19	1 9	23 43
T 23	20 34	1s30	0 51	21 13	0 32	4 49	1 42	24 33	1 5	23 0	0 26	22 19	1 9	23 43
F 24	20 45	8 20	0s27	21 48	0 42	5 6	1 47	24 33	1 6	23 0	0 26	22 19	1 9	23 43
S 25	20 56	14 53	1 45	22 20	0 51	5 23	1 51	24 32	1 6	22 59	0 26	22 19	1 9	23 43
S 26	21 7	20 40	2 57	22 51	1 1	5 41	1 55	24 31	1 6	22 59	0 26	22 19	1 9	23 43
M27	21 17	25 7	3 57	23 19	1 10	5 58	1 59	24 30	1 6	22 59	0 26	22 19	1 9	23 43
T 28	21 27	27 47	4 39	23 44	1 18	6 16	2 2	24 29	1 6	22 59	0 26	22 19	1 9	23 43
W29	21 37	28 23	5 2	24 6	1 26	6 34	2 6	24 28	1 6	22 59	0 26	22 20	1 9	23 43
T 30	21 46	26 59	5 5	24 26	1 33	6 52	2 9	24 26	1 7	22 59	0 26	22 20	1 9	23 43
F 31	21n55	23s54	4s49	24n43	1n39	7n11	2s12	24n25	1n 7	22s59	0n26	22s20	1n 9	23n43

Julian Day Number = 2372042.5, Delta T = 22.31 sec
Ecliptic obliquity = 23°28'12, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°42'04, Lahiri = 20°49'05Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1782
geocentric

JUNE 1782

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 38 21	10II31'05	17≈53	21II50	24Y'42	7☾22	25°R53	29°R14	1☾41	5°R20	8°R19	14°R35	13Y'22	19☾47	12☾31	S 1
S 2	16 42 17	11°28'31	1☿ 1	23°52	25°41	8° 1	25≈46	29≈10	1°45	5≈19	8≈18	14Y'33	13°19	19°54	12°35	S 2
M 3	16 46 14	12°25'55	13°45	25°51	26°40	8°39	25°39	29° 6	1°48	5°19	8°18	14°D32	13°16	20° 1	12°38	M 3
T 4	16 50 11	13°23'19	26° 7	27°48	27°39	9°18	25°31	29° 2	1°52	5°19	8°17	14°33	13°13	20° 7	12°42	T 4
W 5	16 54 7	14°20'42	8Y'14	29°43	28°39	9°56	25°24	28°58	1°55	5°18	8°16	14°34	13° 9	20°14	12°45	W 5
T 6	16 58 4	15°18'04	20° 9	1☾35	29°39	10°35	25°17	28°54	1°59	5°18	8°16	14°R34	13° 6	20°21	12°49	T 6
F 7	17 2 0	16°15'26	1☿58	3°25	0☿39	11°13	25° 9	28°49	2° 2	5°18	8°15	14°32	13° 3	20°27	12°53	F 7
S 8	17 5 57	17°12'48	13°46	5°13	1°40	11°52	25° 2	28°45	2° 6	5°17	8°14	14°28	13° 0	20°34	12°56	S 8
S 9	17 9 53	18°10'09	25°34	6°58	2°40	12°30	24°54	28°41	2° 9	5°17	8°13	14°22	12°57	20°41	13° 0	S 9
M10	17 13 50	19° 7'29	7II'27	8°40	3°42	13° 9	24°47	28°36	2°13	5°17	8°13	14°13	12°54	20°47	13° 3	M10
T 11	17 17 46	20° 4'49	19°26	10°20	4°43	13°47	24°39	28°32	2°16	5°17	8°12	14° 2	12°50	20°54	13° 7	T 11
W12	17 21 43	21° 2'08	1☾32	11°58	5°45	14°26	24°31	28°28	2°20	5°17	8°11	13°50	12°47	21° 1	13°10	W12
T 13	17 25 40	21°59'27	13°47	13°33	6°47	15° 4	24°24	28°23	2°23	5°16	8°10	13°38	12°44	21° 7	13°13	T 13
F 14	17 29 36	22°56'45	26°12	15° 5	7°49	15°43	24°16	28°19	2°27	5°16	8° 9	13°27	12°41	21°14	13°17	F 14
S 15	17 33 33	23°54'02	8☾47	16°35	8°52	16°21	24° 8	28°15	2°31	5°16	8° 8	13°18	12°38	21°21	13°20	S 15
S 16	17 37 29	24°51'18	21°35	18° 2	9°55	17° 0	24° 1	28°10	2°34	5°D16	8° 7	13°11	12°34	21°27	13°23	S 16
M17	17 41 26	25°48'34	4II'36	19°26	10°58	17°38	23°53	28° 6	2°38	5°16	8° 7	13° 7	12°31	21°34	13°27	M17
T 18	17 45 22	26°45'49	17°54	20°48	12° 1	18°17	23°45	28° 1	2°41	5°16	8° 6	13° 5	12°28	21°41	13°30	T 18
W19	17 49 19	27°43'03	1☾29	22° 7	13° 4	18°55	23°38	27°57	2°45	5°16	8° 5	13°D 5	12°25	21°47	13°33	W19
T 20	17 53 15	28°40'16	15°24	23°23	14° 8	19°33	23°30	27°53	2°49	5°17	8° 4	13°R 5	12°22	21°54	13°36	T 20
F 21	17 57 12	29°37'29	29°40	24°37	15°12	20°12	23°22	27°48	2°52	5°17	8° 3	13° 5	12°19	22° 1	13°39	F 21
S 22	18 1 9	0☾34'41	14II'15	25°47	16°16	20°50	23°15	27°44	2°56	5°17	8° 2	13° 2	12°15	22° 7	13°43	S 22
S 23	18 5 5	1°31'53	29° 5	26°55	17°20	21°28	23° 7	27°39	2°59	5°17	8° 1	12°57	12°12	22°14	13°46	S 23
M24	18 9 2	2°29'04	14≈4	28° 0	18°25	22° 7	23° 0	27°35	3° 3	5°17	8° 0	12°49	12° 9	22°21	13°49	M24
T 25	18 12 8	3°26'16	29° 3	29° 1	19°29	22°45	22°52	27°31	3° 7	5°18	7°58	12°39	12° 6	22°27	13°52	T 25
W26	18 16 55	4°23'26	13☿53	29°59	20°34	23°23	22°45	27°26	3°10	5°18	7°57	12°28	12° 3	22°34	13°55	W26
T 27	18 20 51	5°20'37	28°25	0☾54	21°39	24° 2	22°38	27°22	3°14	5°18	7°56	12°17	12° 0	22°41	13°57	T 27
F 28	18 24 48	6°17'48	12≈32	1°46	22°45	24°40	22°30	27°18	3°17	5°19	7°55	12° 8	11°56	22°48	14° 0	F 28
S 29	18 28 45	7°14'59	26°12	2°34	23°50	25°18	22°23	27°13	3°21	5°19	7°54	12° 1	11°53	22°54	14° 3	S 29
S 30	18 32 41	8☾12'09	9☿24	3☾19	24☿56	25☾56	22≈16	27≈9	3☾25	5≈19	7≈53	11Y'56	11Y'50	23☿ 1	14☿ 6	S 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
S 1	22n 3	19s34	4s17	24n58	1n45	7n29	2s15	24n23	1n 7	22s59	0n26	22s20	1n 9	23n43	0n15	0s43	1n32	24s 0	6s 0	5n45	5n17	20n39	14n 9	1s32			
S 2	22 11	14 25	3 32	25 9	1 50	7 48	2 18	24 21	1 7	22 59	0 25	22 20	1 8	23 43	0 15	0 43	1 32	24 0	6 0	5 45	5 16	20 42	14 10	1 32			
M 3	22 19	8 49	2 37	25 18	1 54	8 7	2 20	24 18	1 7	22 59	0 25	22 20	1 8	23 43	0 15	0 42	1 32	24 0	6 0	5 44	5 15	20 44	14 11	1 32			
T 4	22 26	3 2	1 37	25 25	1 58	8 26	2 23	24 16	1 7	22 58	0 25	22 20	1 8	23 42	0 15	0 42	1 32	24 1	6 1	5 44	5 13	20 47	14 12	1 32			
W 5	22 33	2n45	0 34	25 29	2 0	8 45	2 25	24 13	1 7	22 58	0 25	22 20	1 8	23 42	0 15	0 42	1 32	24 1	6 1	5 45	5 12	20 49	14 13	1 32			
T 6	22 39	8 21	0n30	25 30	2 2	9 4	2 27	24 10	1 8	22 58	0 25	22 20	1 8	23 42	0 15	0 42	1 32	24 2	6 1	5 45	5 11	20 52	14 14	1 32			
F 7	22 46	13 36	1 32	25 29	2 4	9 23	2 29	24 7	1 8	22 58	0 25	22 20	1 8	23 42	0 15	0 42	1 32	24 2	6 1	5 44	5 10	20 54	14 15	1 32			
S 8	22 51	18 22	2 29	25 26	2 4	9 43	2 31	24 4	1 8	22 58	0 25	22 20	1 8	23 42	0 15	0 42	1 32	24 2	6 1	5 43	5 8	20 57	14 16	1 33			
S 9	22 57	22 25	3 20	25 21	2 4	10 2	2 32	24 0	1 8	22 58	0 25	22 20	1 8	23 42	0 15	0 42	1 32	24 3	6 2	5 40	5 7	20 59	14 17	1 33			
M10	23 1	25 34	4 3	25 14	2 3	10 21	2 34	23 57	1 8	22 57	0 25	22 20	1 8	23 42	0 15	0 42	1 32	24 3	6 2	5 37	5 6	21 1	14 18	1 33			
T 11	23 6	27 37	4 35	25 5	2 1	10 40	2 35	23 53	1 8	22 57	0 24	22 20	1 8	23 42	0 15	0 42	1 32	24 4	6 2	5 32	5 5	21 4	14 19	1 33			
W12	23 10	28 23	4 55	24 54	1 59	11 0	2 36	23 49	1 8	22 57	0 24	22 20	1 8	23 42	0 15	0 42	1 32	24 4	6 2	5 28	5 3	21 6	14 20	1 33			
T 13	23 14	27 46	5 2	24 42	1 56	11 19	2 37	23 45	1 8	22 57	0 24	22 20	1 8	23 42	0 15	0 42	1 32	24 4	6 2	5 23	5 2	21 9	14 21	1 33			
F 14	23 17	25 46	4 55	24 28	1 52	11 38	2 38	23 41	1 8	22 57	0 24	22 20	1 8	23 42	0 15	0 42	1 32	24 5	6 3	5 19	5 1	21 11	14 22	1 33			
S 15	23 20	22 28	4 33	24 13	1 47	11 57	2 39	23 36	1 8	22 57	0 24	22 20	1 8	23 42	0 15	0 42	1 32	24 5	6 3	5 15	5 0	21 14	14 22	1 34			
S 16	23 22	18 4	3 57	23 56	1 42	12 17	2 40	23 31	1 9	22 56	0 24	22 20	1 8	23 42	0 15	0 42	1 31	24 6	6 3	5 13	4 58	21 16	14 23	1 34			
M17	23 24	12 46	3 9	23 39	1 36	12 36	2 40	23 26	1 9	22 56	0 24	22 20	1 8	23 42	0 15	0 42	1 31	24 6	6 3	5 11	4 57	21 19	14 24	1 34			
T 18	23 26	6 47	2 9	23 20	1 30	12 54	2 41	23 21	1 9	22 56	0 23	22 20	1 8	23 42	0 15	0 42	1 31	24 7	6 3	5 11	4 56	21 21	14 25	1 34			
W19	23 27	0 21	1 1	23 1	1 23	13 13	2 41	23 16	1 9	22 56	0 23	22 20	1 7	23 42	0 15	0 42	1 31	24 7	6 4	5 10	4 55	21 24	14 26	1 34			
T 20	23 28	6s16	0s12	22 40	1 15	13 32	2 41	23 11	1 9	22 55	0 23	22 20	1 7	23 42	0 15	0 42	1 31	24 7	6 4	5 10	4 53	21 26	14 27	1 34			
F 21	23 28	12 43	1 27	22 19	1 7	13 51	2 41	23 5	1 9	22 55	0 23	22 20	1 7	23 42	0 15	0 42	1 31	24 8	6 4	5 10	4 52	21 28	14 27	1 34			
S 22	23 28	18 38	2 37	21 57	0 58	14 9	2 41	22 59	1 9	22 55	0 23	22 20	1 7	23 41	0 15	0 42	1 31	24 8	6 4	5 9	4 51	21 31	14 28	1 35			
S 23	23 28	23 31	3 38	21 35	0 48	14 27	2 41	22 53	1 9	22 55	0 23	22 20	1 7	23 41	0 15	0 42	1 31	24 9	6 4	5 7	4 50	21 33	14 29	1 35			
M24	23 27	26 53	4 24	21 13	0 38	14 45	2 41	22 47	1 9	22 54	0 23	22 20	1 7	23 41	0 15	0 43	1 31	24 9	6 5	5 4	4 49	21 36	14 30	1 35			
T 25	23 25	28 20	4 52	20 50	0 27	15 3	2 40	22 41	1 9	22 54	0 22	22 20	1 7	23 41	0 15	0 43	1 31	24 10	6 5	5 0	4 47	21 38	14 30	1 35			
W26	23 24	27 44	5 1	20 27	0 16	15 21	2 40	22 35	1 9	22 54	0 22	22 20	1 7	23 41	0 15	0 43	1 31	24 10	6 5	4 56	4 46	21 40	14 31	1 35			
T 27	23 22	25 13	4 49	20 3	0 5	15 39	2 39	22 28	1 9	22 54	0 22	22 20	1 7	23 41	0 15	0 43	1 31	24 11	6 5	4 52	4 45	21 43	14 32	1 35			
F 28	23 19	21 13	4 20	19 40	0s 8	15 56	2 38	22 21	1 9	22 53	0 22	22 20	1 7	23 41	0 15	0 43	1 31	24 11	6 5	4 48	4 44	21 45	14 32	1 36			
S 29	23 16	16 12	3 37	19 17	0 20	16 13	2 37	22 14	1 9	22 53	0 22	22 20	1 7	23 41	0 15	0 43	1 31	24 12	6 5	4 45	4 42	21 47	14 33	1 36			
S 30	23n13	10s34	2s43	18n54	0s33	16n30	2s36	22n 7	1n 9	22s53	0n22	22s20	1n 6	23n41	0n15	0s44	1n31	24s12	6s 6	4n44	4n41	21n50	14n34	1s36			

ASTRODIENST EPHEMERIS for the year 1782
geocentric

JULY 1782

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	18 36 38	9 ⁵⁵ 9'20	22 ¹¹ 10	3 ⁵⁵ 59	26 ⁸ 1	26 ⁵³ 35	22 ¹⁰ 9	27 ¹⁰ 5	3 ⁵⁵ 28	5 ⁵⁵ 20	7 ¹⁰ 52	11 ¹⁰ 54	11 ¹⁰ 47	23 ⁸ 8	14 ⁸ 9	M 1
T 2	18 40 34	10 ⁶ 3'32	4 ¹⁰ 35	4 ³⁶	27 ⁷	27 ¹³	22 ¹¹ 2	27 ¹¹ 0	3 ³²	5 ²⁰	7 ⁵⁵ 51	11 ¹⁰ 53	11 ¹⁰ 44	23 ¹⁴	14 ¹¹	T 2
W 3	18 44 31	11 ⁶ 3'43	16 ⁴²	5 ⁹	28 ¹⁴	27 ⁵¹	21 ⁵⁵	26 ⁵⁶	3 ³⁵	5 ²¹	7 ⁴⁹	11 ¹⁰ 53	11 ¹⁰ 40	23 ²¹	14 ¹⁴	W 3
T 4	18 48 27	12 ⁶ 0'55	28 ³⁸	5 ³⁸	29 ²⁰	28 ²⁹	21 ⁴⁸	26 ⁵²	3 ³⁹	5 ²¹	7 ⁴⁸	11 ¹⁰ 53	11 ¹⁰ 37	23 ²⁸	14 ¹⁷	T 4
F 5	18 52 24	12 ⁵⁸ 0'7	10 ⁸ 27	6 ²	0 ¹¹ 26	29 ⁸	21 ⁴²	26 ⁴⁸	3 ⁴³	5 ²²	7 ⁴⁷	11 ¹⁰ 51	11 ¹⁰ 34	23 ³⁴	14 ¹⁹	F 5
S 6	18 56 20	13 ⁵⁵ 2'0	22 ¹⁶	6 ²²	1 ³³	29 ⁴⁶	21 ³⁵	26 ⁴⁴	3 ⁴⁶	5 ²³	7 ⁴⁶	11 ¹⁰ 46	11 ¹⁰ 31	23 ⁴¹	14 ²²	S 6
S 7	19 0 17	14 ⁵² 3'3	4 ¹¹ 7	6 ³⁸	2 ⁴⁰	0 ¹² 24	21 ²⁸	26 ⁴⁰	3 ⁵⁰	5 ²³	7 ⁴⁵	11 ¹⁰ 39	11 ¹⁰ 28	23 ⁴⁸	14 ²⁴	S 7
M 8	19 4 14	15 ⁴⁹ 4'7	16 ⁵	6 ⁴⁹	3 ⁴⁶	1 ²	21 ²²	26 ³⁶	3 ⁵³	5 ²⁴	7 ⁴³	11 ¹⁰ 30	11 ¹⁰ 25	23 ⁵⁴	14 ²⁷	M 8
T 9	19 8 10	16 ⁴⁷ 0'0	28 ¹²	6 ⁵⁵	4 ⁵³	1 ⁴⁰	21 ¹⁶	26 ³²	3 ⁵⁷	5 ²⁵	7 ⁴²	11 ¹⁰ 18	11 ¹⁰ 21	24 ¹	14 ²⁹	T 9
W10	19 12 7	17 ⁴⁴ 1'5	10 ⁵³ 30	6 ¹	2 ¹⁹	21 ⁹	21 ⁹	26 ²⁸	4 ⁰	5 ²⁵	7 ⁴¹	11 ¹⁰ 5	11 ¹⁰ 18	24 ⁸	14 ³¹	W10
T 11	19 16 3	18 ⁴¹ 2'9	23 ⁰	6 ⁵⁴	7 ⁸	2 ⁵⁷	21 ³	26 ²⁴	4 ⁴	5 ²⁶	7 ³⁹	10 ⁵²	11 ¹⁰ 15	24 ¹⁴	14 ³⁴	T 11
F 12	19 20 0	19 ³⁸ 4'4	5 ¹² 41	6 ⁴⁶	8 ¹⁵	3 ³⁵	20 ⁵⁷	26 ²⁰	4 ⁷	5 ²⁷	7 ³⁸	10 ⁴⁰	11 ¹⁰ 12	24 ²¹	14 ³⁶	F 12
S 13	19 23 56	20 ³⁵ 5'9	18 ³³	6 ³³	9 ²³	4 ¹³	20 ⁵²	26 ¹⁶	4 ¹¹	5 ²⁸	7 ³⁷	10 ³⁰	11 ¹⁰ 9	24 ²⁸	14 ³⁸	S 13
S 14	19 27 53	21 ³³ 1'4	1 ¹¹ 38	6 ¹⁶	10 ³⁰	4 ⁵¹	20 ⁴⁶	26 ¹²	4 ¹⁴	5 ²⁹	7 ³⁶	10 ²²	11 ¹⁰ 6	24 ³⁴	14 ⁴⁰	S 14
M15	19 31 49	22 ³⁰ 3'0	14 ⁵³	5 ⁵⁴	11 ³⁸	5 ³⁰	20 ⁴⁰	26 ⁸	4 ¹⁸	5 ³⁰	7 ³⁴	10 ¹⁸	11 ¹⁰ 2	24 ⁴¹	14 ⁴²	M15
T 16	19 35 46	23 ²⁷ 4'5	28 ²⁰	5 ²⁸	12 ⁴⁶	6 ⁸	20 ³⁵	26 ⁵	4 ²¹	5 ³¹	7 ³³	10 ¹⁵	10 ⁵⁹	24 ⁴⁸	14 ⁴⁴	T 16
W17	19 39 43	24 ²⁵ 0'0	12 ⁵¹ 0	4 ⁵⁷	13 ⁵⁴	6 ⁴⁶	20 ³⁰	26 ¹	4 ²⁵	5 ³²	7 ³²	10 ¹⁵ D15	10 ⁵⁶	24 ⁵⁴	14 ⁴⁶	W17
T 18	19 43 39	25 ²² 1'7	25 ⁵³	4 ²⁴	15 ²	7 ²⁴	20 ²⁵	25 ⁵⁸	4 ²⁸	5 ³²	7 ³⁰	10 ¹⁵ R15	10 ⁵³	25 ¹	14 ⁴⁸	T 18
F 19	19 47 36	26 ¹⁹ 3'3	10 ¹¹ 0	3 ⁴⁷	16 ¹⁰	8 ²	20 ²⁰	25 ⁵⁴	4 ³²	5 ³⁴	7 ²⁹	10 ¹⁵	10 ⁵⁰	25 ⁸	14 ⁵⁰	F 19
S 20	19 51 32	27 ¹⁶ 5'0	24 ¹⁹	3 ⁸	17 ¹⁹	8 ⁴⁰	20 ¹⁵	25 ⁵¹	4 ³⁵	5 ³⁵	7 ²⁸	10 ¹²	10 ⁴⁶	25 ¹⁵	14 ⁵²	S 20
S 21	19 55 29	28 ¹⁴ 0'7	8 ¹¹ 49	2 ²⁶	18 ²⁷	9 ¹⁹	20 ¹⁰	25 ⁴⁷	4 ³⁸	5 ³⁶	7 ²⁶	10 ⁸	10 ⁴³	25 ²¹	14 ⁵⁴	S 21
M22	19 59 25	29 ¹¹ 2'4	23 ²⁵	1 ⁴⁴	19 ³⁶	9 ⁵⁷	20 ⁶	25 ⁴⁴	4 ⁴²	5 ³⁷	7 ²⁵	10 ⁰	10 ⁴⁰	25 ²⁸	14 ⁵⁵	M22
T 23	20 3 22	0 ¹² 8'42	8 ¹³ 1	1 ¹	20 ⁴⁴	10 ³⁵	20 ¹	25 ⁴¹	4 ⁴⁵	5 ³⁸	7 ²⁴	9 ⁵¹	10 ³⁷	25 ³⁵	14 ⁵⁷	T 23
W24	20 7 18	1 ⁶ 0'01	22 ³¹	0 ¹⁸	21 ⁵³	11 ¹³	19 ⁵⁷	25 ³⁷	4 ⁴⁹	5 ³⁹	7 ²²	9 ⁴¹	10 ³⁴	25 ⁴¹	14 ⁵⁹	W24
T 25	20 11 15	2 ³ 3'20	6 ¹¹ 46	29 ⁵³ 36	23 ²	11 ⁵¹	19 ⁵³	25 ³⁴	4 ⁵²	5 ⁴⁰	7 ²¹	9 ³¹	10 ³¹	25 ⁴⁸	15 ⁰	T 25
F 26	20 15 12	3 ⁰ 0'40	20 ⁴³	28 ⁵⁶	24 ¹¹	12 ²⁹	19 ⁴⁹	25 ³¹	4 ⁵⁵	5 ⁴¹	7 ¹⁹	9 ²²	10 ²⁷	25 ⁵⁵	15 ²	F 26
S 27	20 19 8	3 ⁵⁸ 0'1	4 ¹¹ 16	28 ¹⁸	25 ²⁰	13 ⁷	19 ⁴⁵	25 ²⁸	4 ⁵⁸	5 ⁴³	7 ¹⁸	9 ¹⁵	10 ²⁴	26 ¹	15 ³	S 27
S 28	20 23 5	4 ⁵⁵ 2'2	17 ²⁵	27 ⁴⁴	26 ³⁰	13 ⁴⁵	19 ⁴²	25 ²⁵	5 ²	5 ⁴⁴	7 ¹⁷	9 ¹¹	10 ²¹	26 ⁸	15 ⁴	S 28
M29	20 27 1	5 ⁵² 4'5	0 ¹¹ 11	27 ¹⁴	27 ³⁹	14 ²⁴	19 ³⁹	25 ²³	5 ⁵	5 ⁴⁵	7 ¹⁵	9 ⁹	10 ¹⁸	26 ¹⁵	15 ⁶	M29
T 30	20 30 58	6 ⁵⁰ 0'9	12 ³⁶	26 ⁴⁸	28 ⁴⁸	15 ²	19 ³⁵	25 ²⁰	5 ⁸	5 ⁴⁷	7 ¹⁴	9 ¹⁰ D 8	10 ¹⁵	26 ²¹	15 ⁷	T 30
W31	20 34 54	7 ¹² 47'34	24 ¹¹ 45	26 ⁵² 27	29 ¹¹ 58	15 ¹² 40	19 ¹¹ 32	25 ¹¹ 17	5 ¹¹ 11	5 ¹¹ 48	7 ¹¹ 13	9 ¹¹ 9	10 ¹¹ 12	26 ¹¹ 28	15 ¹¹ 8	W31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n 9	4s41	1s42	18n32	0s46	16n46	2s35	22n 0	1n 9	22s53	0n22	22s20	1n 6	23n41	0n15	0s44	1n31	24s12	6s 6	4n43	4n40	21n52	14n34	1s36
T 2	23 5	1n14	0 39	18 10	1 0	17 2	2 34	21 53	1 10	22 52	0 21	22 20	1 6	23 41	0 15	0 44	1 31	24 13	6 6	4 42	4 39	21 55	14 35	1 36
W 3	23 1	6 58	0n25	17 48	1 14	17 18	2 33	21 45	1 10	22 52	0 21	22 20	1 6	23 41	0 15	0 44	1 31	24 13	6 6	4 42	4 37	21 57	14 36	1 36
T 4	22 56	12 22	1 27	17 27	1 29	17 34	2 31	21 38	1 10	22 52	0 21	22 20	1 6	23 40	0 15	0 45	1 31	24 14	6 6	4 42	4 36	21 59	14 36	1 37
F 5	22 50	17 16	2 25	17 7	1 43	17 49	2 30	21 30	1 10	22 52	0 21	22 20	1 6	23 40	0 15	0 45	1 31	24 14	6 6	4 41	4 35	22 2	14 37	1 37
S 6	22 44	21 31	3 16	16 48	1 58	18 4	2 28	21 22	1 10	22 51	0 21	22 20	1 6	23 40	0 15	0 45	1 31	24 15	6 6	4 40	4 34	22 4	14 38	1 37
S 7	22 38	24 54	3 59	16 30	2 13	18 19	2 27	21 13	1 10	22 51	0 21	22 20	1 6	23 40	0 15	0 45	1 31	24 15	6 7	4 37	4 32	22 6	14 38	1 37
M 8	22 32	27 15	4 32	16 13	2 28	18 33	2 25	21 5	1 10	22 51	0 20	22 20	1 6	23 40	0 15	0 46	1 30	24 16	6 7	4 33	4 31	22 9	14 39	1 37
T 9	22 25	28 20	4 52	15 57	2 42	18 47	2 23	20 57	1 10	22 51	0 20	22 20	1 5	23 40	0 15	0 46	1 30	24 16	6 7	4 29	4 30	22 11	14 39	1 37
W10	22 18	28 2	5 0	15 42	2 57	19 1	2 21	20 48	1 10	22 50	0 20	22 20	1 5	23 40	0 15	0 46	1 30	24 17	6 7	4 23	4 29	22 13	14 40	1 38
T 11	22 10	26 20	4 53	15 29	3 11	19 14	2 19	20 39	1 10	22 50	0 20	22 20	1 5	23 40	0 15	0 47	1 30	24 17	6 7	4 18	4 27	22 16	14 40	1 38
F 12	22 2	23 16	4 32	15 18	3 25	19 27	2 17	20 30	1 10	22 50	0 20	22 20	1 5	23 40	0 15	0 47	1 30	24 18	6 7	4 13	4 26	22 18	14 41	1 38
S 13	21 53	19 2	3 57	15 8	3 39	19 39	2 15	20 21	1 10	22 50	0 20	22 20	1 5	23 40	0 15	0 48	1 30	24 18	6 7	4 10	4 25	22 20	14 41	1 38
S 14	21 44	13 51	3 9	14 59	3 52	19 51	2 13	20 12	1 10	22 50	0 19	22 20	1 5	23 40	0 15	0 48	1 30	24 19	6 8	4 7	4 24	22 22	14 42	1 38
M15	21 35	7 57	2 10	14 53	4 4	20 3	2 11	20 3	1 10	22 49	0 19	22 20	1 5	23 39	0 15	0 48	1 30	24 19	6 8	4 5	4 22	22 25	14 42	1 38
T 16	21 26	1 37	1 3	14 48	4 15	20 14	2 9	19 53	1 10	22 49	0 19	22 20	1 5	23 39	0 15	0 49	1 30	24 19	6 8	4 4	4 21	22 27	14 42	1 39
W17	21 16	4s54	0s 9	14 45	4 25	20 24	2 6	19 44	1 10	22 49	0 19	22 20	1 4	23 39	0 15	0 49	1 30	24 20	6 8	4 4	4 20	22 29	14 43	1 39
T 18	21 5	11 17	1 22	14 45	4 34	20 35	2 4	19 34	1 10	22 49	0 19	22 20	1 4	23 39	0 15	0 50	1 30	24 20	6 8	4 4	4 19	22 32	14 43	1 39
F 19	20 55	17 13	2 31	14 46	4 42	20 44	2 1	19 24	1 10	22 48	0 19	22 20	1 4	23 39	0 15	0 50	1 30	24 21	6 8	4 4	4 17	22 34	14 44	1 39
S 20	20 44	22 17	3 31	14 48	4 48	20 54	1 59	19 14	1 10	22 48	0 18	22 20	1 4	23 39	0 16	0 50	1 30	24 21	6 8	4 3	4 16	22 36	14 44	1 39
S 21	20 32	26 3	4 19	14 53	4 53	21 2	1 56	19 4	1 10	22 48	0 18	22 20	1 4	23 39	0 16	0 51	1 30	24 22	6 8	4 1	4 15	22 38	14 44	1 40
M22	20 21	28 8	4 50	14 59	4 56	21 10	1 54	18 54	1 10	22 48	0 18	22 20	1 4	23 39	0 16	0 51	1 30	24 22	6 8	3 58	4 14	22 41	14 45	1 40
T 23	20 9	28 15	5 2	15 7	4 57	21 18	1 51	18 43	1 10	22 48	0 18	22 20	1 4	23 39	0 16	0 52	1 30	24 23	6 9	3 54	4 12	22 43	14 45	1 40
W24	19 56	26 26	4 55	15 17	4 56	21 25	1 48	18 33	1 10	22 48	0 18	22 20	1 3	23 38	0 16	0 52	1 30	24 23	6 9	3 50	4 11	22 45	14 45	1 40
T 25	19 44	22 56	4 29	15 28	4 54	21 32	1 45	18 22	1 10	22 48	0 18	22 20	1 3	23 38	0 16	0 53	1 30	24 24	6 9	3 46	4 10	22 47	14 46	1 40
F 26	19 31	18 12	3 48	15 40	4 50	21 38	1 42	18 11	1 10	22 47	0 17	22 21	1 3	23 38	0 16	0 53	1 30	24 24	6 9	3 43	4 9	22 49	14 46	1 40
S 27	19 17	12 40	2 54	15 53	4 44	21 44	1 40	18 1	1 9	22 47	0 17	22 21	1 3	23 38	0 16	0 54	1 30	24 24	6 9	3 40	4 7	22 52	14 46	1 41
S 28	19 4	6 43	1 53	16 7	4 37	21 49	1 37	17 50	1 9	22 47	0 17	22 21	1 3	23 38	0 16	0 54	1 30	24 25	6 9	3 39	4 6	22 54	14 46	1 41
M29	18 50	0 39	0 48	16 21	4 28	21 53	1 34	17 38	1 9	22 47	0 17	22 21	1 3	23 38	0 16	0 55	1 30	24 25	6 9	3 38	4 5	22 56	14 46	1 41
T 30	18 35	5n16	0n19	16 36	4 18	21 57	1 31	17 27	1 9	22 47	0 17	22 21	1 3	23 38	0 16	0 56	1 30	24 26	6 9	3 38	4 4	22 58	14 47	1 41
W31	18n21	10n53	1n22	16n52	4s 6	22n 1	1s28	17n16	1n 9	22s47	0n17	22s21	1n 2	23n38	0n16	0s56	1n30	24s26	6s 9	3n38	4n 2	23n 0	14n47	1s41

ASTRODIENST EPHEMERIS for the year 1782
geocentric

AUGUST 1782

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	20 38 51	8♌45'00	6♋43	26°R11	1♉7	16♌18	19°R30	25°R15	5♉14	5♌49	7°R11	9°R10	10♍8	26♋35	15♈9	T 1
F 2	20 42 47	9°42'27	18°34	26♉2	2°17	16°56	19♌27	25♌12	5°18	5°51	7♌10	9♍9	10°5	26°41	15°11	F 2
S 3	20 46 44	10°39'56	0♐24	25°D59	3°27	17°34	19°24	25°10	5°21	5°52	7°8	9°7	10°2	26°48	15°12	S 3
S 4	20 50 41	11°37'26	12°19	26°2	4°37	18°12	19°22	25°7	5°24	5°54	7°7	9°3	9°59	26°55	15°13	S 4
M 5	20 54 37	12°34'57	24°21	26°13	5°47	18°50	19°20	25°5	5°27	5°55	7°6	8°56	9°56	27°2	15°13	M 5
T 6	20 58 34	13°32'30	6♉36	26°29	6°57	19°29	19°18	25°3	5°30	5°57	7°4	8°48	9°52	27°8	15°14	T 6
W 7	21 2 30	14°30'03	19°4	26°53	8°7	20°7	19°16	25°1	5°33	5°58	7°3	8°39	9°49	27°15	15°15	W 7
T 8	21 6 27	15°27'39	1♌47	27°24	9°18	20°45	19°15	24°59	5°36	6°0	7°2	8°29	9°46	27°22	15°16	T 8
F 9	21 10 23	16°25'15	14°46	28°2	10°28	21°23	19°13	24°57	5°39	6°1	7°0	8°20	9°43	27°28	15°17	F 9
S 10	21 14 20	17°22'52	27°59	28°46	11°38	22°1	19°12	24°55	5°42	6°3	6°59	8°13	9°40	27°35	15°17	S 10
S 11	21 18 16	18°20'31	11♐26	29°37	12°49	22°39	19°11	24°53	5°45	6°4	6°57	8°8	9°37	27°42	15°18	S 11
M12	21 22 13	19°18'10	25°4	0♌34	14°0	23°17	19°10	24°51	5°47	6°6	6°56	8°5	9°33	27°48	15°18	M12
T 13	21 26 10	20°15'51	8♌51	1°38	15°10	23°56	19°10	24°50	5°50	6°8	6°55	8°D4	9°30	27°55	15°19	T 13
W14	21 30 6	21°13'33	22°46	2°48	16°21	24°34	19°9	24°48	5°53	6°9	6°53	8°5	9°27	28°2	15°19	W14
T 15	21 34 3	22°11'16	6♐48	4°4	17°32	25°12	19°9	24°47	5°56	6°11	6°52	8°6	9°24	28°8	15°20	T 15
F 16	21 37 59	23°9'00	20°55	5°26	18°43	25°50	19°D9	24°46	5°59	6°13	6°51	8°R7	9°21	28°15	15°20	F 16
S 17	21 41 56	24°6'45	5♌7	6°52	19°54	26°28	19°9	24°44	6°1	6°15	6°50	8°6	9°17	28°22	15°20	S 17
S 18	21 45 52	25°4'31	19°21	8°24	21°5	27°6	19°9	24°43	6°4	6°16	6°48	8°4	9°14	28°28	15°20	S 18
M19	21 49 49	26°2'19	3♉35	10°0	22°16	27°45	19°10	24°42	6°7	6°18	6°47	8°0	9°11	28°35	15°20	M19
T 20	21 53 45	27°0'07	17°45	11°40	23°28	28°23	19°11	24°41	6°9	6°20	6°46	7°55	9°8	28°42	15°R20	T 20
W21	21 57 42	27°57'57	1♌47	13°24	24°39	29°1	19°11	24°41	6°12	6°22	6°44	7°48	9°5	28°49	15°20	W21
T 22	22 1 39	28°55'48	15°38	15°10	25°51	29°39	19°12	24°40	6°14	6°24	6°43	7°42	9°2	28°55	15°20	T 22
F 23	22 5 35	29°53'41	29°13	17°0	27°2	0♐17	19°14	24°39	6°17	6°25	6°42	7°37	8°58	29°2	15°20	F 23
S 24	22 9 32	0♐51'34	12♋30	18°52	28°14	0°55	19°15	24°39	6°19	6°27	6°41	7°33	8°55	29°9	15°20	S 24
S 25	22 13 28	1°49'30	25°28	20°46	29°25	1°34	19°17	24°38	6°22	6°29	6°39	7°31	8°52	29°15	15°20	S 25
M26	22 17 25	2°47'27	8♍7	22°41	0♌37	2°12	19°19	24°38	6°24	6°31	6°38	7°D30	8°49	29°22	15°19	M26
T 27	22 21 21	3°45'26	20°29	24°37	1°49	2°50	19°21	24°37	6°26	6°33	6°37	7°30	8°46	29°29	15°19	T 27
W28	22 25 18	4°43'27	2♋37	26°34	3°1	3°28	19°23	24°37	6°29	6°35	6°36	7°32	8°43	29°35	15°18	W28
T 29	22 29 14	5°41'30	14°35	28°31	4°13	4°6	19°25	24°D37	6°31	6°37	6°35	7°34	8°39	29°42	15°18	T 29
F 30	22 33 11	6°39'35	26°28	0♐29	5°25	4°45	19°28	24°37	6°33	6°39	6°34	7°35	8°36	29°49	15°17	F 30
S 31	22 37 8	7♐37'41	8♐19	2♐27	6♌37	5♐23	19♌30	24♌37	6♉35	6♌41	6♌32	7°R36	8♍33	29♋55	15♋17	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	decl	decl	lat
T 1	18n 6	16n 0	2n22	17n 7	3s53	22n 3	1s25	17n 4	1n 9	22s47	0n16	22s21	1n 2	23n38	0n16	0s57	1n30	24s27	6s 9	3n38	4n 1	23n 3	14n47	1s42		
F 2	17 51	20 29	3 15	17 22	3 39	22 6	1 22	16 53	1 9	22 47	0 16	22 21	1 2	23 38	0 16	0 57	1 29	24 27	6 9	3 38	4 0	23 5	14 47	1 42		
S 3	17 35	24 9	3 59	17 37	3 25	22 7	1 18	16 41	1 9	22 47	0 16	22 21	1 2	23 37	0 16	0 58	1 29	24 28	6 9	3 37	3 59	23 7	14 47	1 42		
S 4	17 19	26 49	4 33	17 52	3 10	22 8	1 15	16 29	1 9	22 47	0 16	22 21	1 2	23 37	0 16	0 58	1 29	24 28	6 10	3 35	3 57	23 9	14 47	1 42		
M 5	17 3	28 16	4 56	18 6	2 54	22 9	1 12	16 17	1 9	22 47	0 16	22 21	1 2	23 37	0 16	0 59	1 29	24 28	6 10	3 33	3 56	23 11	14 47	1 42		
T 6	16 47	28 23	5 5	18 18	2 37	22 8	1 9	16 5	1 9	22 47	0 16	22 21	1 1	23 37	0 16	1 0	1 29	24 29	6 10	3 30	3 55	23 13	14 47	1 43		
W 7	16 30	27 4	5 0	18 30	2 21	22 8	1 6	15 53	1 9	22 47	0 15	22 21	1 1	23 37	0 16	1 0	1 29	24 29	6 10	3 26	3 54	23 16	14 48	1 43		
T 8	16 13	24 21	4 41	18 41	2 4	22 6	1 3	15 41	1 9	22 47	0 15	22 21	1 1	23 37	0 16	1 1	1 29	24 30	6 10	3 22	3 52	23 18	14 48	1 43		
F 9	15 56	20 21	4 6	18 50	1 47	22 4	0 59	15 29	1 9	22 47	0 15	22 21	1 1	23 37	0 16	1 2	1 29	24 30	6 10	3 19	3 51	23 20	14 48	1 43		
S 10	15 39	15 17	3 18	18 57	1 31	22 2	0 56	15 16	1 9	22 47	0 15	22 22	1 1	23 37	0 16	1 2	1 29	24 30	6 10	3 16	3 50	23 22	14 48	1 43		
S 11	15 21	9 25	2 18	19 3	1 14	21 59	0 53	15 4	1 9	22 47	0 15	22 22	1 1	23 37	0 16	1 3	1 29	24 31	6 10	3 14	3 49	23 24	14 48	1 44		
M12	15 3	3 2	1 10	19 6	0 58	21 55	0 50	14 51	1 9	22 47	0 14	22 22	1 1	23 36	0 16	1 4	1 29	24 31	6 10	3 13	3 47	23 26	14 48	1 44		
T 13	14 45	3s35	0s 4	19 8	0 43	21 50	0 46	14 38	1 8	22 47	0 14	22 22	1 0	23 36	0 16	1 4	1 29	24 32	6 10	3 12	3 46	23 28	14 47	1 44		
W14	14 27	10 5	1 19	19 7	0 27	21 45	0 43	14 25	1 8	22 47	0 14	22 22	1 0	23 36	0 16	1 5	1 29	24 32	6 10	3 13	3 45	23 31	14 47	1 44		
T 15	14 8	16 9	2 29	19 3	0 13	21 40	0 40	14 13	1 8	22 48	0 14	22 22	1 0	23 36	0 16	1 6	1 29	24 32	6 10	3 13	3 44	23 33	14 47	1 44		
F 16	13 49	21 23	3 31	18 57	0n 1	21 33	0 37	14 0	1 8	22 48	0 14	22 22	1 0	23 36	0 16	1 6	1 29	24 33	6 10	3 13	3 42	23 35	14 47	1 45		
S 17	13 30	25 26	4 20	18 49	0 14	21 27	0 33	13 47	1 8	22 48	0 14	22 22	1 0	23 36	0 16	1 7	1 29	24 33	6 10	3 13	3 41	23 37	14 47	1 45		
S 18	13 11	27 55	4 53	18 37	0 27	21 19	0 30	13 33	1 8	22 48	0 13	22 22	1 0	23 36	0 16	1 8	1 29	24 33	6 10	3 12	3 40	23 39	14 47	1 45		
M19	12 51	28 33	5 8	18 23	0 39	21 11	0 27	13 20	1 8	22 48	0 13	22 23	0 59	23 36	0 16	1 9	1 29	24 34	6 10	3 11	3 39	23 41	14 47	1 45		
T 20	12 32	27 19	5 5	18 6	0 49	21 2	0 24	13 7	1 8	22 49	0 13	22 23	0 59	23 36	0 16	1 9	1 29	24 34	6 10	3 9	3 37	23 43	14 47	1 45		
W21	12 12	24 23	4 43	17 46	0 59	20 53	0 20	12 53	1 8	22 49	0 13	22 23	0 59	23 36	0 16	1 10	1 29	24 34	6 10	3 6	3 36	23 45	14 46	1 46		
T 22	11 52	20 4	4 5	17 23	1 8	20 43	0 17	12 40	1 8	22 49	0 13	22 23	0 59	23 35	0 16	1 11	1 29	24 35	6 10	3 4	3 35	23 47	14 46	1 46		
F 23	11 31	14 47	3 13	16 58	1 16	20 33	0 14	12 26	1 7	22 49	0 13	22 23	0 59	23 35	0 16	1 12	1 29	24 35	6 10	3 1	3 34	23 49	14 46	1 46		
S 24	11 11	8 55	2 12	16 30	1 23	20 22	0 11	12 13	1 7	22 50	0 13	22 23	0 59	23 35	0 16	1 12	1 29	24 35	6 10	3 0	3 32	23 51	14 46	1 46		
S 25	10 50	2 48	1 5	16 0	1 29	20 10	0 8	11 59	1 7	22 50	0 12	22 23	0 58	23 35	0 16	1 13	1 29	24 36	6 10	2 59	3 31	23 53	14 45	1 46		
M26	10 30	3n17	0n 3	15 27	1 34	19 58	0 5	11 45	1 7	22 50	0 12	22 24	0 58	23 35	0 16	1 14	1 29	24 36	6 10	2 59	3 30	23 55	14 45	1 47		
T 27	10 9	9 6	1 10	14 53	1 38	19 45	0 1	11 31	1 7	22 50	0 12	22 24	0 58	23 35	0 16	1 15	1 29	24 36	6 10	2 59	3 29	23 57	14 45	1 47		
W28	9 47	14 29	2 13	14 16	1 42	19 32	0n 2	11 17	1 7	22 51	0 12	22 24	0 58	23 35	0 16	1 16	1 29	24 37	6 10	3 0	3 27	23 59	14 44	1 47		
T 29	9 26	19 15	3 9	13 38	1 44	19 18	0 5	11 3	1 7	22 51	0 12	22 24	0 58	23 35	0 16	1 16	1 29	24 37	6 10	3 0	3 26	24 1	14 44	1 47		
F 30	9 5	23 13	3 56	12 58	1 46	19 4	0 8	10 49	1 7	22 52	0 12	22 24	0 58	23 35	0 16	1 17	1 29	24 37	6 10	3 1	3 25	24 3	14 44	1 47		
S 31	8n43	26n13	4n34	12n17	1n47	18n49	0n11	10n35	1n 6	22s52	0n11	22s24	0n57	23n35	0n16	1s18	1n29	24s38	6s10	3n 1	3n24	24n 5	14n43	1s48		

ASTRODIENST EPHEMERIS for the year 1782
geocentric

SEPTEMBER 1782

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 41 4	8 ^h 35'50	20 ^h 15	4 ^h 24	7 ^h 49	6 ^h 1	19 ^h 33	24 ^h 38	6 ^h 37	6 ^h 43	6 ^h 31	7 ^h 35	8 ^h 30	0 ^h 2	15 ^h 16	S 1
M 2	22 45 1	9°34'01	2 ^h 29	6°20	9° 2	6°39	19°36	24°38	6°39	6°45	6 ^h 30	7 ^h 33	8°27	0° 9	15 ^h 15	M 2
T 3	22 48 57	10°32'13	14°36	8°16	10°14	7°18	19°39	24°38	6°41	6°47	6°29	7°30	8°23	0°16	15°14	T 3
W 4	22 52 54	11°30'28	27°10	10°12	11°26	7°56	19°43	24°39	6°43	6°49	6°28	7°26	8°20	0°22	15°13	W 4
T 5	22 56 50	12°28'45	10 ^h 2	12° 6	12°39	8°34	19°46	24°39	6°45	6°51	6°27	7°22	8°17	0°29	15°13	T 5
F 6	23 0 47	13°27'03	23°15	14° 0	13°51	9°12	19°50	24°40	6°47	6°53	6°26	7°18	8°14	0°36	15°12	F 6
S 7	23 4 43	14°25'23	6 ^h 46	15°52	15° 4	9°51	19°54	24°41	6°49	6°55	6°25	7°16	8°11	0°42	15°11	S 7
S 8	23 8 40	15°23'46	20°35	17°44	16°17	10°29	19°58	24°42	6°51	6°57	6°24	7°14	8° 8	0°49	15° 9	S 8
M 9	23 12 37	16°22'09	4 ^h 39	19°35	17°29	11° 7	20° 3	24°43	6°53	7° 0	6°23	7°13	8° 4	0°56	15° 8	M 9
T 10	23 16 33	17°20'35	18°53	21°24	18°42	11°46	20° 7	24°44	6°54	7° 2	6°22	7°13	8° 1	1° 2	15° 7	T 10
W11	23 20 30	18°19'03	3 ^h 13	23°12	19°55	12°24	20°12	24°45	6°56	7° 4	6°21	7°14	7°58	1° 9	15° 6	W11
T 12	23 24 26	19°17'32	17°34	25° 0	21° 8	13° 2	20°16	24°46	6°58	7° 6	6°20	7°15	7°55	1°16	15° 4	T 12
F 13	23 28 23	20°16'03	1 ^h 54	26°46	22°21	13°41	20°21	24°48	6°59	7° 8	6°19	7°17	7°52	1°22	15° 3	F 13
S 14	23 32 19	21°14'35	16° 9	28°31	23°34	14°19	20°27	24°49	7° 1	7°10	6°18	7°17	7°49	1°29	15° 2	S 14
S 15	23 36 16	22°13'09	0 ^h 37	0 ^h 15	24°47	14°57	20°32	24°51	7° 2	7°12	6°17	7°17	7°45	1°36	15° 0	S 15
M16	23 40 12	23°11'45	14°16	1°58	26° 1	15°36	20°37	24°53	7° 4	7°15	6°16	7°16	7°42	1°43	14°59	M16
T 17	23 44 9	24°10'23	28° 5	3°41	27°14	16°14	20°43	24°54	7° 5	7°17	6°16	7°15	7°39	1°49	14°57	T 17
W18	23 48 6	25° 9'02	11 ^h 34	5°22	28°27	16°53	20°49	24°56	7° 6	7°19	6°15	7°13	7°36	1°56	14°55	W18
T 19	23 52 2	26° 7'42	25° 5	7° 2	29°40	17°31	20°55	24°58	7° 8	7°21	6°14	7°12	7°33	2° 3	14°54	T 19
F 20	23 55 59	27° 6'25	8 ^h 14	8°41	0 ^h 54	18° 9	21° 1	25° 0	7° 9	7°23	6°13	7°11	7°29	2° 9	14°52	F 20
S 21	23 59 55	28° 5'09	21°10	10°19	2° 7	18°48	21° 7	25° 2	7°10	7°26	6°13	7°10	7°26	2°16	14°50	S 21
S 22	0 3 52	29° 3'56	3 ^h 51	11°56	3°21	19°26	21°13	25° 5	7°11	7°28	6°12	7°10	7°23	2°23	14°48	S 22
M23	0 7 48	0 ^h 24	16°19	13°32	4°34	20° 5	21°20	25° 7	7°12	7°30	6°11	7°10	7°20	2°29	14°46	M23
T 24	0 11 45	1° 1'34	28°33	15° 7	5°48	20°43	21°27	25° 9	7°13	7°32	6°10	7°10	7°17	2°36	14°44	T 24
W25	0 15 41	2° 0'27	10 ^h 38	16°42	7° 2	21°22	21°33	25°12	7°14	7°34	6°10	7°10	7°14	2°43	14°42	W25
T 26	0 19 38	2°59'22	22°34	18°15	8°15	22° 0	21°40	25°14	7°15	7°37	6° 9	7°11	7°10	2°50	14°40	T 26
F 27	0 23 35	3°58'19	4 ^h 26	19°48	9°29	22°39	21°48	25°17	7°16	7°39	6° 9	7°11	7° 7	2°56	14°38	F 27
S 28	0 27 31	4°57'19	16°17	21°20	10°43	23°17	21°55	25°20	7°17	7°41	6° 8	7°12	7° 4	3° 3	14°36	S 28
S 29	0 31 28	5°56'20	28°12	22°51	11°57	23°56	22° 2	25°23	7°18	7°43	6° 7	7°12	7° 1	3°10	14°34	S 29
M30	0 35 24	6 ^h 55'24	10 ^h 14	24 ^h 21	13 ^h 11	24 ^h 34	22 ^h 10	25 ^h 26	7 ^h 19	7 ^h 46	6 ^h 7	7 ^h 12	6 ^h 58	3 ^h 16	14 ^h 31	M30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	8n21	28n 5	4n59	11n34	1n47	18n33	0n14	10n21	1n 6	22s52	0n11	22s25	0n57	23n35	0n16	1s19	1n29	24s38	6s10	3n 1	3n22	24n 7	14n43	1s48				
M 2	8 0	28 39	5 12	10 51	1 47	18 17	0 17	10 6	1 6	22 53	0 11	22 25	0 57	23 34	0 16	1 20	1 29	24 38	6 10	3 0	3 21	24 9	14 43	1 48				
T 3	7 38	27 49	5 11	10 6	1 45	18 1	0 19	9 52	1 6	22 53	0 11	22 25	0 57	23 34	0 16	1 20	1 29	24 38	6 10	2 59	3 20	24 11	14 42	1 48				
W 4	7 15	25 34	4 55	9 21	1 44	17 44	0 22	9 38	1 6	22 53	0 11	22 25	0 57	23 34	0 16	1 21	1 29	24 39	6 10	2 57	3 19	24 13	14 42	1 48				
T 5	6 53	21 59	4 24	8 35	1 41	17 26	0 25	9 23	1 6	22 54	0 11	22 25	0 56	23 34	0 16	1 22	1 29	24 39	6 10	2 56	3 17	24 15	14 41	1 48				
F 6	6 31	17 14	3 39	7 49	1 39	17 8	0 28	9 8	1 6	22 54	0 11	22 25	0 56	23 34	0 16	1 23	1 29	24 39	6 10	2 54	3 16	24 17	14 41	1 49				
S 7	6 8	11 31	2 40	7 2	1 35	16 49	0 31	8 54	1 5	22 55	0 10	22 26	0 56	23 34	0 16	1 24	1 29	24 39	6 10	2 53	3 15	24 19	14 40	1 49				
S 8	5 46	5 7	1 30	6 15	1 32	16 30	0 33	8 39	1 5	22 55	0 10	22 26	0 56	23 34	0 16	1 25	1 29	24 40	6 10	2 52	3 14	24 21	14 40	1 49				
M 9	5 23	1s38	0 14	5 28	1 27	16 11	0 36	8 25	1 5	22 56	0 10	22 26	0 56	23 34	0 16	1 25	1 29	24 40	6 10	2 52	3 12	24 23	14 39	1 49				
T 10	5 0	8 23	1s 4	4 41	1 23	15 51	0 39	8 10	1 5	22 56	0 10	22 26	0 56	23 34	0 16	1 26	1 29	24 40	6 10	2 52	3 11	24 25	14 39	1 49				
W11	4 38	14 46	2 19	3 54	1 18	15 30	0 41	7 55	1 5	22 57	0 10	22 27	0 55	23 34	0 16	1 27	1 29	24 40	6 10	2 53	3 10	24 27	14 38	1 50				
T 12	4 15	20 22	3 25	3 6	1 13	15 10	0 44	7 40	1 5	22 57	0 10	22 27	0 55	23 34	0 17	1 28	1 29	24 40	6 10	2 53	3 9	24 29	14 38	1 50				
F 13	3 52	24 47	4 18	2 19	1 7	14 48	0 46	7 25	1 5	22 58	0 9	22 27	0 55	23 34	0 17	1 29	1 29	24 41	6 10	2 53	3 7	24 31	14 37	1 50				
S 14	3 29	27 38	4 55	1 32	1 2	14 27	0 48	7 10	1 4	22 58	0 9	22 27	0 55	23 34	0 17	1 30	1 29	24 41	6 10	2 54	3 6	24 33	14 36	1 50				
S 15	3 5	28 42	5 14	0 45	0 56	14 4	0 51	6 55	1 4	22 59	0 9	22 27	0 55	23 34	0 17	1 30	1 29	24 41	6 10	2 54	3 5	24 35	14 36	1 50				
M16	2 42	27 54	5 14	0s 2	0 50	13 42	0 53	6 40	1 4	22 59	0 9	22 28	0 55	23 33	0 17	1 31	1 29	24 41	6 10	2 53	3 4	24 37	14 35	1 51				
T 17	2 19	25 24	4 55	0 48	0 43	13 19	0 55	6 25	1 4	23 0	0 9	22 28	0 54	23 33	0 17	1 32	1 29	24 41	6 9	2 53	3 2	24 38	14 35	1 51				
W18	1 56	21 29	4 21	1 34	0 37	12 55	0 57	6 10	1 4	23 0	0 9	22 28	0 54	23 33	0 17	1 33	1 29	24 41	6 9	2 52	3 1	24 40	14 34	1 51				
T 19	1 32	16 31	3 32	2 20	0 30	12 32	1 0	5 55	1 3	23 1	0 9	22 28	0 54	23 33	0 17	1 34	1 29	24 42	6 9	2 52	3 0	24 42	14 33	1 51				
F 20	1 9	10 52	2 33	3 5	0 23	12 8	1 2	5 40	1 3	23 1	0 9	22 29	0 54	23 33	0 17	1 35	1 29	24 42	6 9	2 51	2 59	24 44	14 33	1 51				
S 21	0 46	4 51	1 27	3 50	0 17	11 43	1 4	5 24	1 3	23 2	0 8	22 29	0 54	23 33	0 17	1 36	1 29	24 42	6 9	2 51	2 57	24 46	14 32	1 52				
S 22	0 22	1n15	0 18	4 35	0 10	11 19	1 6	5 9	1 3	23 3	0 8	22 29	0 54	23 33	0 17	1 37	1 29	24 42	6 9	2 51	2 56	24 48	14 31	1 52				
M23	0s 1	7 12	0n51	5 19	0 3	10 53	1 7	4 54	1 3	23 3	0 8	22 29	0 54	23 33	0 17	1 37	1 29	24 42	6 9	2 51	2 55	24 50	14 30	1 52				
T 24	0 25	12 47	1 56	6 2	0s 5	10 28	1 9	4 38	1 3	23 4	0 8	22 30	0 53	23 33	0 17	1 38	1 29	24 42	6 9	2 51	2 54	24 51	14 30	1 52				
W25	0 48	17 48	2 55	6 45	0 12	10 2	1 11	4 23	1 2	23 4	0 8	22 30	0 53	23 33	0 17	1 39	1 29	24 42	6 9	2 51	2 52	24 53	14 29	1 52				
T 26	1 11	22 5	3 46	7 28	0 19	9 36	1 13	4 8	1 2	23 5	0 8	22 30	0 53	23 33	0 17	1 40	1 29	24 42	6 9	2 51	2 51	24 55	14 28	1 52				
F 27	1 35	25 26	4 27	8 10	0 26	9 10	1 14	3 52	1 2	23 5	0 8	22 30	0 53	23 33	0 17	1 41	1 29	24 42	6 9	2 51	2 50	24 57	14 27	1 53				
S 28	1 58	27 41	4 56	8 51	0 34	8 44	1 16	3 37	1 2	23 6	0 7	22 31	0 53	23 33	0 17	1 42	1 29	24 43	6 9	2 52	2 49	24 59	14 27	1 53				
S 29	2 22	28 41	5 13	9 32	0 41	8 17	1 17	3 21	1 2	23 7	0 7	22 31	0 53	23 33	0 17	1 43	1 29	24 43	6 9	2 52	2 47	25 1	14 26	1 53				
M30	2s45	28n20	5n17	10s12	0s48	7n50	1n19	3n 6	1n 1	23s 7	0n 7	22s31	0n52	23n33	0n17	1s44	1n29	24s43	6s 9	2n52	2n46	25n 2	14n25	1s53				

ASTRODIENST EPHEMERIS for the year 1782
geocentric

OCTOBER 1782

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 39 21	7♂54'31	22♂30	25♂50	14♂25	25♂13	22♂18	25♂29	7♂19	7♂48	6°R 6	7°Y12	6°Y55	3♂23	14°R29	T 1
W 2	0 43 17	8°53'39	5♂2	27°18	15°39	25°51	22°25	25°32	7°20	7°50	6°6	7°12	6°51	3°30	14°27	W 2
T 3	0 47 14	9°52'50	17°56	28°46	16°53	26°30	22°33	25°35	7°21	7°52	6°5	7°12	6°48	3°36	14°24	T 3
F 4	0 51 10	10°52'03	1♂12	0♂12	18°7	27°8	22°41	25°39	7°21	7°55	6°5	7°12	6°45	3°43	14°22	F 4
S 5	0 55 7	11°51'19	14°53	1°38	19°22	27°47	22°50	25°42	7°21	7°57	6°5	7°13	6°42	3°50	14°20	S 5
S 6	0 59 3	12°50'36	28°58	3°3	20°36	28°26	22°58	25°45	7°22	7°59	6°4	7°13	6°39	3°57	14°17	S 6
M 7	1 3 0	13°49'56	13♂22	4°27	21°50	29°4	23°7	25°49	7°22	8°1	6°4	7°R13	6°35	4°3	14°15	M 7
T 8	1 6 57	14°49'18	28°	5°49	23°4	29°43	23°15	25°53	7°23	8°3	6°4	7°13	6°32	4°10	14°12	T 8
W 9	1 10 53	15°48'42	12♂49	7°11	24°19	0♂22	23°24	25°56	7°23	8°6	6°3	7°12	6°29	4°17	14°9	W 9
T 10	1 14 50	16°48'07	27°38	8°32	25°33	1°0	23°33	26°0	7°23	8°8	6°3	7°11	6°26	4°23	14°7	T 10
F 11	1 18 46	17°47'35	12♂20	9°52	26°48	1°39	23°42	26°4	7°23	8°10	6°3	7°10	6°23	4°30	14°4	F 11
S 12	1 22 43	18°47'05	26°50	11°10	28°2	2°18	23°51	26°8	7°23	8°12	6°3	7°9	6°20	4°37	14°1	S 12
S 13	1 26 39	19°46'36	11♂3	12°27	29°17	2°56	24°0	26°12	7°R23	8°15	6°2	7°8	6°16	4°43	13°59	S 13
M14	1 30 36	20°46'09	24°59	13°43	0♂31	3°35	24°10	26°16	7°23	8°17	6°2	7°D 8	6°13	4°50	13°56	M14
T 15	1 34 33	21°45'43	8♂35	14°58	1°46	4°14	24°19	26°20	7°23	8°19	6°2	7°8	6°10	4°57	13°53	T 15
W16	1 38 29	22°45'20	21°54	16°11	3°0	4°53	24°29	26°25	7°23	8°21	6°2	7°10	6°7	5°4	13°50	W16
T 17	1 42 26	23°44'58	4♂56	17°22	4°15	5°31	24°38	26°29	7°23	8°23	6°2	7°11	6°4	5°10	13°47	T 17
F 18	1 46 22	24°44'37	17°44	18°31	5°30	6°10	24°48	26°33	7°23	8°25	6°2	7°12	6°0	5°17	13°45	F 18
S 19	1 50 19	25°44'19	0°Y18	19°39	6°44	6°49	24°58	26°38	7°22	8°28	6°D 2	7°13	5°57	5°24	13°42	S 19
S 20	1 54 15	26°44'03	12°42	20°44	7°59	7°28	25°8	26°42	7°22	8°30	6°2	7°R13	5°54	5°30	13°39	S 20
M21	1 58 12	27°43'48	24°55	21°47	9°14	8°7	25°18	26°47	7°22	8°32	6°2	7°12	5°51	5°37	13°36	M21
T 22	2 2 8	28°43'35	7♂1	22°47	10°29	8°46	25°29	26°52	7°21	8°34	6°2	7°10	5°48	5°44	13°33	T 22
W23	2 6 5	29°43'25	18°59	23°44	11°44	9°24	25°39	26°57	7°21	8°36	6°2	7°7	5°45	5°50	13°30	W23
T 24	2 10 1	0♂43'16	0♂53	24°38	12°58	10°3	25°49	27°1	7°20	8°38	6°2	7°3	5°41	5°57	13°27	T 24
F 25	2 13 58	1°43'10	12°44	25°29	14°13	10°42	26°0	27°6	7°20	8°40	6°2	6°59	5°38	6°4	13°24	F 25
S 26	2 17 55	2°43'06	24°35	26°15	15°28	11°21	26°11	27°11	7°19	8°42	6°2	6°54	5°35	6°11	13°21	S 26
S 27	2 21 51	3°43'04	6♂29	26°57	16°43	12°0	26°21	27°16	7°18	8°44	6°3	6°51	5°32	6°17	13°18	S 27
M28	2 25 48	4°43'04	18°30	27°34	17°58	12°39	26°32	27°22	7°17	8°47	6°3	6°48	5°29	6°24	13°15	M28
T 29	2 29 44	5°43'06	0♂42	28°5	19°13	13°18	26°43	27°27	7°17	8°49	6°3	6°D47	5°26	6°31	13°12	T 29
W30	2 33 41	6°43'10	13°9	28°30	20°28	13°57	26°54	27°32	7°16	8°51	6°3	6°47	5°22	6°37	13°9	W30
T 31	2 37 37	7♂43'17	25♂57	28♂49	21♂43	14♂36	27♂5	27♂37	7♂15	8♂53	6°6	6°Y48	5°Y19	6♂44	13♂5	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	3s 8	26n37	5n 6	10s51	0s55	7n22	1n20	2n50	1n 1	23s 8	0n 7	22s31	0n52	23n33	0n17	1s44
W 2	3 32	23 34	4 41	11 30	1 2	6 55	1 21	2 35	1 1	23 8	0 7	22 32	0 52	23 33	0 17	1 45
T 3	3 55	19 17	4 1	12 8	1 10	6 27	1 22	2 19	1 1	23 9	0 7	22 32	0 52	23 33	0 17	1 46
F 4	4 18	13 58	3 7	12 45	1 17	5 59	1 24	2 4	1 0	23 9	0 7	22 32	0 52	23 33	0 17	1 47
S 5	4 42	7 49	2 1	13 22	1 24	5 31	1 25	1 48	1 0	23 10	0 7	22 32	0 52	23 33	0 17	1 48
S 6	5 5	1 7	0 46	13 58	1 31	5 3	1 26	1 33	1 0	23 11	0 6	22 33	0 51	23 33	0 17	1 49
M 7	5 28	5s48	0s34	14 33	1 37	4 34	1 27	1 17	1 0	23 11	0 6	22 33	0 51	23 33	0 17	1 50
T 8	5 51	12 32	1 53	15 7	1 44	4 5	1 27	1 1	0 59	23 12	0 6	22 33	0 51	23 33	0 17	1 51
W 9	6 14	18 38	3 5	15 40	1 51	3 37	1 28	0 46	0 59	23 12	0 6	22 33	0 51	23 33	0 17	1 51
T 10	6 37	23 37	4 4	16 13	1 57	3 8	1 29	0 30	0 59	23 13	0 6	22 34	0 51	23 33	0 17	1 52
F 11	6 59	27 3	4 47	16 44	2 3	2 39	1 30	0 14	0 59	23 13	0 6	22 34	0 51	23 33	0 17	1 53
S 12	7 22	28 37	5 11	17 15	2 9	2 10	1 30	0s 1	0 59	23 14	0 6	22 34	0 51	23 33	0 17	1 54
S 13	7 45	28 15	5 16	17 44	2 15	1 40	1 31	0 17	0 58	23 15	0 6	22 34	0 50	23 33	0 17	1 55
M14	8 7	26 6	5 1	18 13	2 21	1 11	1 31	0 32	0 58	23 15	0 5	22 35	0 50	23 33	0 17	1 56
T 15	8 29	22 29	4 30	18 40	2 26	0 42	1 31	0 48	0 58	23 16	0 5	22 35	0 50	23 33	0 17	1 57
W16	8 52	17 46	3 45	19 6	2 31	0 12	1 32	1 4	0 57	23 16	0 5	22 35	0 50	23 33	0 17	1 57
T 17	9 14	12 20	2 49	19 31	2 36	0s17	1 32	1 19	0 57	23 17	0 5	22 36	0 50	23 33	0 17	1 58
F 18	9 36	6 28	1 46	19 55	2 40	0 47	1 32	1 35	0 57	23 17	0 5	22 36	0 50	23 33	0 17	1 59
S 19	9 58	0 28	0 38	20 18	2 44	1 16	1 32	1 51	0 57	23 18	0 5	22 36	0 50	23 33	0 17	2 0
S 20	10 19	5n29	0n30	20 39	2 48	1 46	1 32	2 6	0 56	23 18	0 5	22 36	0 49	23 33	0 17	2 1
M21	10 41	11 9	1 36	20 59	2 51	2 15	1 32	2 22	0 56	23 19	0 5	22 37	0 49	23 33	0 17	2 2
T 22	11 2	16 20	2 37	21 17	2 54	2 45	1 32	2 37	0 56	23 19	0 4	22 37	0 49	23 33	0 17	2 2
W23	11 23	20 51	3 30	21 34	2 56	3 14	1 32	2 53	0 56	23 20	0 4	22 37	0 49	23 33	0 18	2 3
T 24	11 44	24 29	4 13	21 49	2 57	3 44	1 31	3 8	0 55	23 20	0 4	22 37	0 49	23 34	0 18	2 4
F 25	12 5	27 5	4 46	22 2	2 58	4 13	1 31	3 24	0 55	23 20	0 4	22 38	0 49	23 34	0 18	2 5
S 26	12 26	28 17	5 6	22 14	2 58	4 42	1 31	3 39	0 55	23 21	0 4	22 38	0 49	23 34	0 18	2 6
S 27	12 46	28 31	5 13	22 23	2 58	5 11	1 30	3 55	0 54	23 21	0 4	22 38	0 49	23 34	0 18	2 6
M28	13 7	27 15	5 7	22 30	2 56	5 41	1 30	4 10	0 54	23 22	0 4	22 38	0 48	23 34	0 18	2 7
T 29	13 27	24 41	4 46	22 35	2 54	6 10	1 29	4 26	0 54	23 22	0 4	22 38	0 48	23 34	0 18	2 8
W30	13 47	20 55	4 12	22 37	2 50	6 39	1 28	4 41	0 54	23 22	0 4	22 39	0 48	23 34	0 18	2 9
T 31	14s 6	16n 6	3n25	22s37	2s46	7s 7	1n28	4s57	0n53	23s23	0n 3	22s39	0n48	23n34	0n18	2s10

Julian Day Number = 2372195.5, Delta T = 22.31 sec
Ecliptic obliquity = 23°28'13", Nutation = - 0°00'02", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°42'25", Lahiri = 20°49'26"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1782
geocentric

NOVEMBER 1782

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 41 34	8♉43'25	9♏ 8	29♉ 0	22♉58	15♉15	27♉17	27♉43	7°R14	8♉55	6♉ 4	6°Y50	5°Y16	6♉51	13°R 2	F 1
S 2	2 45 30	9°43'36	22°46	29°R 4	24°14	15°54	27°28	27°48	7°E13	8°57	6° 4	6°51	5°13	6°58	12°E59	S 2
S 3	2 49 27	10°43'48	6♉52	28°58	25°29	16°33	27°39	27°54	7°12	8°59	6° 5	6°R52	5°10	7° 4	12°56	S 3
M 4	2 53 24	11°44'03	21°23	28°44	26°44	17°12	27°51	27°59	7°11	9° 1	6° 5	6°51	5° 6	7°11	12°53	M 4
T 5	2 57 20	12°44'20	6♉17	28°19	27°59	17°51	28° 2	28° 5	7°10	9° 3	6° 6	6°49	5° 3	7°18	12°50	T 5
W 6	3 1 17	13°44'38	21°25	27°45	29°14	18°31	28°14	28°10	7° 8	9° 4	6° 6	6°44	5° 0	7°24	12°47	W 6
T 7	3 5 13	14°44'58	6♉37	27° 1	0♉29	19°10	28°26	28°16	7° 7	9° 6	6° 7	6°39	4°57	7°31	12°44	T 7
F 8	3 9 10	15°45'20	21°43	26° 7	1°45	19°49	28°38	28°22	7° 6	9° 8	6° 7	6°33	4°54	7°38	12°41	F 8
S 9	3 13 6	16°45'43	6♉34	25° 5	3° 0	20°28	28°50	28°28	7° 4	9°10	6° 8	6°27	4°51	7°44	12°37	S 9
S 10	3 17 3	17°46'08	21° 3	23°55	4°15	21° 7	29° 1	28°34	7° 3	9°12	6° 8	6°23	4°47	7°51	12°34	S 10
M 11	3 21 0	18°46'34	5♉ 6	22°39	5°31	21°46	29°14	28°40	7° 2	9°14	6° 9	6°20	4°44	7°58	12°31	M 11
T 12	3 24 56	19°47'02	18°43	21°19	6°46	22°26	29°26	28°46	7° 0	9°16	6°10	6°D19	4°41	8° 5	12°28	T 12
W 13	3 28 53	20°47'30	1♉56	19°58	8° 1	23° 5	29°38	28°52	6°59	9°17	6°10	6°20	4°38	8°11	12°25	W 13
T 14	3 32 49	21°48'00	14°47	18°39	9°16	23°44	29°50	28°58	6°57	9°19	6°11	6°21	4°35	8°18	12°22	T 14
F 15	3 36 46	22°48'31	27°21	17°24	10°32	24°23	0♉ 2	29° 4	6°55	9°21	6°12	6°22	4°32	8°25	12°19	F 15
S 16	3 40 42	23°49'04	9°Y41	16°15	11°47	25° 3	0°15	29°10	6°54	9°23	6°13	6°R23	4°28	8°31	12°16	S 16
S 17	3 44 39	24°49'38	21°50	15°14	13° 2	25°42	0°27	29°16	6°52	9°24	6°13	6°21	4°25	8°38	12°13	S 17
M 18	3 48 35	25°50'13	3♉52	14°24	14°18	26°21	0°40	29°22	6°50	9°26	6°14	6°17	4°22	8°45	12°10	M 18
T 19	3 52 32	26°50'49	15°48	13°45	15°33	27° 1	0°52	29°29	6°49	9°28	6°15	6°11	4°19	8°52	12° 7	T 19
W 20	3 56 28	27°51'27	27°42	13°17	16°48	27°40	1° 5	29°35	6°47	9°29	6°16	6° 3	4°16	8°58	12° 4	W 20
T 21	4 0 25	28°52'07	9♉34	13° 2	18° 4	28°19	1°18	29°41	6°45	9°31	6°17	5°53	4°12	9° 5	12° 1	T 21
F 22	4 4 22	29°52'48	21°26	12°D57	19°19	28°59	1°30	29°48	6°43	9°33	6°18	5°42	4° 9	9°12	11°58	F 22
S 23	4 8 18	0♉53'30	3♉19	13° 3	20°35	29°38	1°43	29°54	6°41	9°34	6°19	5°31	4° 6	9°18	11°55	S 23
S 24	4 12 15	1°54'14	15°16	13°20	21°50	0♉17	1°56	0♉ 1	6°39	9°36	6°20	5°21	4° 3	9°25	11°52	S 24
M 25	4 16 11	2°54'59	27°18	13°45	23° 6	0°57	2° 9	0° 7	6°37	9°37	6°21	5°13	4° 0	9°32	11°49	M 25
T 26	4 20 8	3°55'46	9♉30	14°19	24°21	1°36	2°22	0°14	6°35	9°39	6°22	5° 7	3°57	9°39	11°46	T 26
W 27	4 24 4	4°56'34	21°54	15° 0	25°36	2°16	2°35	0°20	6°33	9°40	6°23	5° 4	3°53	9°45	11°44	W 27
T 28	4 28 1	5°57'24	4♏36	15°48	26°52	2°55	2°48	0°27	6°31	9°42	6°24	5°D 3	3°50	9°52	11°41	T 28
F 29	4 31 58	6°58'15	17°38	16°42	28° 7	3°35	3° 1	0°34	6°29	9°43	6°25	5° 4	3°47	9°59	11°38	F 29
S 30	4 35 54	7♉59'07	1♉ 6	17♉41	29♉23	4♉14	3♉14	0♉40	6°27	9♉44	6°26	5°R 4	3°Y44	10♉ 5	11°E35	S 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
F 1	14s26	10n24	2n26	22s34	2s40	7s36	1n27	5s12	0n53	23s23	0n 3	22s39	0n48	23n34	0n18	2s10	1n29	24s41	6s 6	2n43	2n 6	25n57	13n54	1s58			
S 2	14 45	4 3	1 16	22 27	2 33	8 4	1 26	5 27	0 53	23 23	0 3	22 39	0 48	23 34	0 18	2 11	1 29	24 40	6 6	2 43	2 4	25 58	13 53	1 58			
S 3	15 4	2s44	0 0	22 18	2 24	8 33	1 25	5 43	0 52	23 24	0 3	22 40	0 48	23 34	0 18	2 12	1 29	24 40	6 5	2 44	2 3	26 0	13 52	1 58			
M 4	15 22	9 34	1s18	22 4	2 14	9 1	1 24	5 58	0 52	23 24	0 3	22 40	0 48	23 34	0 18	2 13	1 29	24 40	6 5	2 43	2 2	26 1	13 51	1 58			
T 5	15 41	16 3	2 33	21 47	2 2	9 29	1 23	6 13	0 52	23 24	0 3	22 40	0 47	23 34	0 18	2 13	1 29	24 40	6 5	2 42	2 1	26 3	13 50	1 58			
W 6	15 59	21 39	3 39	21 26	1 48	9 57	1 22	6 28	0 51	23 25	0 3	22 40	0 47	23 34	0 18	2 14	1 29	24 40	6 5	2 41	1 59	26 4	13 49	1 58			
T 7	16 17	25 51	4 29	21 1	1 33	10 24	1 21	6 44	0 51	23 25	0 3	22 40	0 47	23 35	0 18	2 15	1 29	24 39	6 5	2 39	1 58	26 6	13 48	1 58			
F 8	16 35	28 12	5 0	20 32	1 16	10 51	1 19	6 59	0 51	23 25	0 3	22 41	0 47	23 35	0 18	2 15	1 29	24 39	6 5	2 36	1 57	26 7	13 47	1 58			
S 9	16 52	28 28	5 10	20 0	0 58	11 18	1 18	7 14	0 50	23 25	0 3	22 41	0 47	23 35	0 18	2 16	1 29	24 39	6 5	2 34	1 56	26 9	13 46	1 58			
S 10	17 9	26 45	5 0	19 24	0 38	11 45	1 17	7 29	0 50	23 26	0 2	22 41	0 47	23 35	0 18	2 17	1 29	24 39	6 5	2 32	1 54	26 10	13 45	1 58			
M11	17 26	23 24	4 32	18 45	0 18	12 12	1 15	7 44	0 50	23 26	0 2	22 41	0 47	23 35	0 18	2 18	1 29	24 38	6 5	2 31	1 53	26 12	13 44	1 58			
T 12	17 42	18 52	3 49	18 4	0n 2	12 38	1 14	7 59	0 49	23 26	0 2	22 41	0 47	23 35	0 18	2 18	1 30	24 38	6 5	2 31	1 52	26 13	13 43	1 59			
W13	17 58	13 32	2 55	17 23	0 23	13 4	1 12	8 14	0 49	23 26	0 2	22 41	0 46	23 35	0 18	2 19	1 30	24 38	6 5	2 31	1 51	26 15	13 42	1 59			
T 14	18 14	7 45	1 54	16 42	0 43	13 29	1 11	8 28	0 49	23 26	0 2	22 42	0 46	23 35	0 18	2 20	1 30	24 38	6 4	2 31	1 49	26 16	13 41	1 59			
F 15	18 30	1 48	0 49	16 3	1 2	13 54	1 9	8 43	0 48	23 26	0 2	22 42	0 46	23 35	0 18	2 20	1 30	24 37	6 4	2 32	1 48	26 18	13 40	1 59			
S 16	18 45	4n 7	0n18	15 27	1 20	14 19	1 7	8 58	0 48	23 26	0 2	22 42	0 46	23 35	0 18	2 21	1 30	24 37	6 4	2 32	1 47	26 19	13 39	1 59			
S 17	19 0	9 47	1 22	14 54	1 36	14 44	1 6	9 13	0 47	23 26	0 2	22 42	0 46	23 36	0 18	2 21	1 30	24 37	6 4	2 32	1 46	26 21	13 38	1 59			
M18	19 14	15 3	2 22	14 26	1 50	15 8	1 4	9 27	0 47	23 27	0 2	22 42	0 46	23 36	0 18	2 22	1 30	24 36	6 4	2 30	1 44	26 22	13 37	1 59			
T 19	19 29	19 43	3 16	14 3	2 2	15 32	1 2	9 42	0 47	23 27	0 1	22 42	0 46	23 36	0 18	2 23	1 30	24 36	6 4	2 28	1 43	26 24	13 36	1 59			
W20	19 42	23 34	4 0	13 45	2 12	15 55	1 0	9 56	0 46	23 27	0 1	22 42	0 46	23 36	0 18	2 23	1 30	24 36	6 4	2 24	1 42	26 25	13 35	1 59			
T 21	19 56	26 25	4 33	13 33	2 20	16 18	0 58	10 11	0 46	23 27	0 1	22 43	0 46	23 36	0 18	2 24	1 30	24 36	6 4	2 20	1 40	26 27	13 34	1 59			
F 22	20 9	28 6	4 55	13 26	2 25	16 40	0 57	10 25	0 46	23 26	0 1	22 43	0 45	23 36	0 18	2 24	1 30	24 35	6 4	2 16	1 39	26 28	13 33	1 59			
S 23	20 22	28 30	5 4	13 24	2 30	17 2	0 55	10 39	0 45	23 26	0 1	22 43	0 45	23 36	0 18	2 25	1 30	24 35	6 4	2 12	1 38	26 30	13 32	1 59			
S 24	20 34	27 34	5 0	13 27	2 32	17 24	0 53	10 53	0 45	23 26	0 1	22 43	0 45	23 36	0 18	2 26	1 30	24 35	6 4	2 8	1 37	26 31	13 31	1 59			
M25	20 46	25 20	4 42	13 33	2 33	17 45	0 51	11 8	0 44	23 26	0 1	22 43	0 45	23 36	0 18	2 26	1 30	24 34	6 3	2 4	1 35	26 32	13 30	1 59			
T 26	20 58	21 56	4 12	13 43	2 33	18 6	0 48	11 22	0 44	23 26	0 1	22 43	0 45	23 37	0 18	2 27	1 30	24 34	6 3	2 2	1 34	26 34	13 30	1 59			
W27	21 9	17 31	3 29	13 57	2 31	18 26	0 46	11 36	0 43	23 26	0 1	22 43	0 45	23 37	0 18	2 27	1 30	24 34	6 3	2 1	1 33	26 35	13 29	1 59			
T 28	21 20	12 15	2 35	14 13	2 29	18 46	0 44	11 50	0 43	23 26	0 1	22 43	0 45	23 37	0 18	2 28	1 30	24 33	6 3	2 1	1 32	26 37	13 28	1 59			
F 29	21 30	6 18	1 32	14 32	2 25	19 5	0 42	12 3	0 43	23 26	0 0	22 43	0 45	23 37	0 18	2 28	1 30	24 33	6 3	2 1	1 30	26 38	13 27	2 0			
S 30	21s40	0s 7	0n21	14s52	2n21	19s24	0n40	12s17	0n42	23s25	0n 0	22s43	0n45	23n37	0n18	2s29	1n30	24s33	6s 3	2n 1	1n29	26n39	13n26	2s 0			

ASTRODIENST EPHEMERIS for the year 1782
geocentric

DECEMBER 1782

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	4 39 51	9♊ 0'01	15♋ 1	18♌44	0♍38	4♎54	3♏28	0♐47	6♑R24	9♒46	6♓27	5♈ 4	3♉41	10♊12	11♋R33	S 1
M 2	4 43 47	10° 0'57	29°25	19°52	1°54	5°34	3°41	0°54	6♓22	9°47	6°28	5♉ 1	3°38	10°19	11♋30	M 2
T 3	4 47 44	11° 1'53	14♌14	21° 2	3° 9	6°13	3°54	1° 1	6°20	9°48	6°29	4°57	3°34	10°26	11°27	T 3
W 4	4 51 40	12° 2'51	29°24	22°16	4°25	6°53	4° 8	1° 8	6°18	9°50	6°30	4°49	3°31	10°32	11°25	W 4
T 5	4 55 37	13° 3'50	14♌45	23°31	5°40	7°32	4°21	1°14	6°15	9°51	6°32	4°39	3°28	10°39	11°22	T 5
F 6	4 59 33	14° 4'50	0♎ 4	24°50	6°56	8°12	4°34	1°21	6°13	9°52	6°33	4°28	3°25	10°46	11°20	F 6
S 7	5 3 30	15° 5'51	15°11	26° 9	8°11	8°52	4°48	1°28	6°11	9°53	6°34	4°18	3°22	10°52	11°17	S 7
S 8	5 7 27	16° 6'52	29°56	27°31	9°27	9°31	5° 1	1°35	6° 8	9°54	6°35	4° 9	3°18	10°59	11°15	S 8
M 9	5 11 23	17° 7'54	14♌13	28°54	10°42	10°11	5°15	1°42	6° 6	9°56	6°37	4° 3	3°15	11° 6	11°13	M 9
T 10	5 15 20	18° 8'57	27°59	0♎18	11°58	10°51	5°29	1°49	6° 4	9°57	6°38	3°59	3°12	11°13	11°10	T 10
W11	5 19 16	19°10'00	11♋17	1°43	13°13	11°31	5°42	1°56	6° 1	9°58	6°39	3°57	3° 9	11°19	11° 8	W11
T 12	5 23 13	20°11'03	24° 8	3° 9	14°29	12°10	5°56	2° 3	5°59	9°59	6°41	3°D57	3° 6	11°26	11° 6	T 12
F 13	5 27 9	21°12'07	6♑38	4°36	15°45	12°50	6° 9	2°10	5°56	10° 0	6°42	3°R57	3° 3	11°33	11° 3	F 13
S 14	5 31 6	22°13'11	18°52	6° 3	17° 0	13°30	6°23	2°17	5°54	10° 1	6°44	3°56	2°59	11°39	11° 1	S 14
S 15	5 35 2	23°14'15	0♎54	7°31	18°16	14°10	6°37	2°24	5°51	10° 2	6°45	3°53	2°56	11°46	10°59	S 15
M16	5 38 59	24°15'20	12°49	9° 0	19°31	14°50	6°51	2°31	5°49	10° 2	6°46	3°48	2°53	11°53	10°57	M16
T 17	5 42 56	25°16'26	24°41	10°29	20°47	15°29	7° 4	2°38	5°46	10° 3	6°48	3°39	2°50	12° 0	10°55	T 17
W18	5 46 52	26°17'31	6♊32	11°59	22° 2	16° 9	7°18	2°45	5°44	10° 4	6°49	3°27	2°47	12° 6	10°53	W18
T 19	5 50 49	27°18'38	18°24	13°29	23°18	16°49	7°32	2°52	5°41	10° 5	6°51	3°13	2°44	12°13	10°51	T 19
F 20	5 54 45	28°19'44	0♎19	14°59	24°33	17°29	7°46	2°59	5°38	10° 6	6°52	2°58	2°40	12°20	10°49	F 20
S 21	5 58 42	29°20'51	12°18	16°29	25°49	18° 9	8° 0	3° 6	5°36	10° 7	6°54	2°43	2°37	12°26	10°48	S 21
S 22	6 2 38	0♎21'59	24°22	18° 0	27° 4	18°49	8°14	3°13	5°33	10° 7	6°55	2°30	2°34	12°33	10°46	S 22
M23	6 6 35	1°23'07	6♊33	19°32	28°20	19°29	8°27	3°20	5°31	10° 8	6°57	2°18	2°31	12°40	10°44	M23
T 24	6 10 32	2°24'15	18°52	21° 3	29°35	20° 9	8°41	3°27	5°28	10° 9	6°59	2°10	2°28	12°47	10°42	T 24
W25	6 14 28	3°25'24	1♎21	22°35	0♎51	20°49	8°55	3°34	5°26	10° 9	7° 0	2° 4	2°24	12°53	10°41	W25
T 26	6 18 25	4°26'33	14° 4	24° 7	2° 6	21°29	9° 9	3°41	5°23	10°10	7° 2	2° 1	2°21	13° 0	10°39	T 26
F 27	6 22 21	5°27'42	27° 3	25°40	3°22	22° 9	9°23	3°48	5°20	10°10	7° 3	2° 1	2°18	13° 7	10°38	F 27
S 28	6 26 18	6°28'52	10♋23	27°13	4°37	22°49	9°37	3°56	5°18	10°11	7° 5	2° 1	2°15	13°13	10°36	S 28
S 29	6 30 14	7°30'03	24° 6	28°46	5°53	23°29	9°51	4° 3	5°15	10°11	7° 7	2° 0	2°12	13°20	10°35	S 29
M30	6 34 11	8°31'13	8♌16	0♎19	7° 8	24° 9	10° 5	4°10	5°13	10°12	7° 8	1°57	2° 9	13°27	10°34	M30
T 31	6 38 7	9♎32'25	22♌48	1♎53	8♎24	24♌49	10♎19	4♎17	5♎10	10♋12	7♋10	1♑52	2♑ 5	13♊34	10♋33	T 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	Day
S 1	21s50	6s44	0s53	15s14	2n17	19s42	0n38	12s31	0n42	23s25	0n 0	22s43	0n45	23n37	0n18	S 1
M 2	21 59	13 14	2 6	15 37	2 11	19 59	0 35	12 45	0 41	23 25	0 0	22 43	0 45	23 37	0 18	M 2
T 3	22 8	19 11	3 12	16 1	2 6	20 16	0 33	12 58	0 41	23 25	0 0	22 44	0 44	23 37	0 18	T 3
W 4	22 16	24 4	4 7	16 26	1 59	20 33	0 31	13 11	0 40	23 24	0 0	22 44	0 44	23 38	0 18	W 4
T 5	22 24	27 18	4 4	16 51	1 53	20 49	0 29	13 25	0 40	23 24	0s 0	22 44	0 44	23 38	0 18	T 5
F 6	22 31	28 29	5 1	17 17	1 46	21 4	0 26	13 38	0 40	23 24	0 0	22 44	0 44	23 38	0 18	F 6
S 7	22 38	27 31	4 56	17 43	1 39	21 18	0 24	13 51	0 39	23 23	0 0	22 44	0 44	23 38	0 18	S 7
S 8	22 45	24 37	4 32	18 8	1 32	21 32	0 22	14 4	0 39	23 23	0 0	22 44	0 44	23 38	0 18	S 8
M 9	22 51	20 16	3 51	18 34	1 25	21 46	0 19	14 17	0 38	23 22	0 0	22 44	0 44	23 38	0 18	M 9
T 10	22 56	14 58	2 58	18 59	1 17	21 58	0 17	14 30	0 38	23 22	0 1	22 44	0 44	23 38	0 18	T 10
W11	23 2	9 9	1 57	19 24	1 10	22 11	0 14	14 43	0 37	23 21	0 1	22 44	0 44	23 38	0 19	W11
T 12	23 6	3 7	0 52	19 48	1 2	22 22	0 12	14 55	0 37	23 21	0 1	22 44	0 44	23 39	0 19	T 12
F 13	23 11	2n51	0n14	20 12	0 55	22 33	0 10	15 8	0 36	23 20	0 1	22 44	0 44	23 39	0 19	F 13
S 14	23 14	8 36	1 18	20 34	0 47	22 43	0 7	15 20	0 36	23 20	0 1	22 44	0 43	23 39	0 19	S 14
S 15	23 18	13 57	2 17	20 57	0 39	22 52	0 5	15 33	0 35	23 19	0 1	22 43	0 43	23 39	0 19	S 15
M16	23 21	18 43	3 10	21 18	0 32	23 1	0 2	15 45	0 35	23 19	0 1	22 43	0 43	23 39	0 19	M16
T 17	23 23	22 44	3 54	21 39	0 24	23 9	0 0	15 57	0 34	23 18	0 1	22 43	0 43	23 39	0 19	T 17
W18	23 25	25 49	4 27	21 58	0 17	23 16	0s 2	16 9	0 34	23 17	0 1	22 43	0 43	23 39	0 19	W18
T 19	23 27	27 46	4 49	22 17	0 10	23 23	0 5	16 21	0 33	23 17	0 1	22 43	0 43	23 39	0 19	T 19
F 20	23 28	28 27	4 59	22 35	0 2	23 29	0 7	16 33	0 33	23 16	0 2	22 43	0 43	23 40	0 19	F 20
S 21	23 28	27 48	4 55	22 52	0s 5	23 34	0 10	16 44	0 32	23 15	0 2	22 43	0 43	23 40	0 19	S 21
S 22	23 28	25 50	4 38	23 7	0 12	23 38	0 12	16 56	0 32	23 15	0 2	22 43	0 43	23 40	0 19	S 22
M23	23 28	22 40	4 8	23 22	0 19	23 42	0 14	17 7	0 31	23 14	0 2	22 43	0 43	23 40	0 19	M23
T 24	23 27	18 27	3 26	23 36	0 26	23 45	0 17	17 19	0 31	23 13	0 2	22 43	0 43	23 40	0 19	T 24
W25	23 26	13 24	2 34	23 48	0 32	23 47	0 19	17 30	0 30	23 12	0 2	22 43	0 43	23 40	0 19	W25
T 26	23 24	7 43	1 33	23 59	0 39	23 48	0 21	17 41	0 30	23 11	0 2	22 42	0 43	23 40	0 19	T 26
F 27	23 21	1 34	0 26	24 9	0 45	23 49	0 24	17 52	0 29	23 10	0 2	22 42	0 43	23 40	0 19	F 27
S 28	23 19	4s48	0s44	24 18	0 51	23 49	0 26	18 2	0 28	23 10	0 2	22 42	0 42	23 41	0 19	S 28
S 29	23 15	11 7	1 54	24 25	0 57	23 48	0 28	18 13	0 28	23 9	0 2	22 42	0 42	23 41	0 19	S 29
M30	23 12	17 5	2 59	24 31	1 3	23 47	0 30	18 24	0 27	23 8	0 3	22 42	0 42	23 41	0 19	M30
T 31	23s 8	22s16	3s54	24s36	1s 9	23s45	0s33	18s34	0n27	23s 7	0s 3	22s42	0n42	23n41	0n19	T 31

Julian Day Number = 2372256.5, Delta T = 22.30 sec
Ecliptic obliquity = 23°28'12", Nutation = - 0°00'02", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°42'34", Lahiri = 20°49'34"Greg. Calendar