



# Astrodienst Ephemeris Tables for the year 1945

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 1945

geocentric

JANUARY 1945

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 41 7	10 <sup>3</sup> 13'12	8 <sup>0</sup> 52	22°R51	24 <sup>22</sup> 29	26 <sup>27</sup> 25	27 <sup>17</sup> 18	7°R 4	9°R58	6 <sup>25</sup> 25	9°R44	18 <sup>25</sup> 23	18 <sup>25</sup> 48	5 <sup>22</sup> 22	3 <sup>25</sup> 8	M 1	
T 2	6 45 4	11°14'20	21°23	22 <sup>27</sup> 41	25°38	27°10	27°20	6 <sup>25</sup> 59	9 <sup>11</sup> 56	6°25	9 <sup>0</sup> 42	18°24	18°45	5°29	3°10	T 2	
W 3	6 49 0	12°15'29	3 <sup>17</sup> 39	22°D40	26°47	27°54	27°22	6°54	9°54	6°26	9°41	18°25	18°42	5°35	3°12	W 3	
T 4	6 52 57	13°16'37	15°43	22°49	27°56	28°39	27°23	6°50	9°52	6°26	9°40	18°25	18°39	5°42	3°13	T 4	
F 5	6 56 53	14°17'46	27°39	23° 6	29° 5	29°24	27°25	6°45	9°50	6°26	9°39	18°26	18°35	5°49	3°15	F 5	
S 6	7 0 50	15°18'55	9 <sup>25</sup> 32	23°29	0 <sup>11</sup> 13	0 <sup>25</sup> 8	27°26	6°40	9°48	6°26	9°38	18°26	18°32	5°55	3°16	S 6	
S 7	7 4 46	16°20'05	21°25	24° 0	1°22	0°53	27°27	6°35	9°46	6°26	9°36	18°R26	18°29	6° 2	3°18	S 7	
M 8	7 8 43	17°21'14	3 <sup>17</sup> 24	24°37	2°30	1°38	27°28	6°30	9°44	6°R26	9°35	18°26	18°26	6° 9	3°19	M 8	
T 9	7 12 40	18°22'23	15°33	25°19	3°38	2°23	27°29	6°25	9°43	6°26	9°34	18°D26	18°23	6°16	3°20	T 9	
W10	7 16 36	19°23'33	27°57	26° 6	4°46	3° 8	27°29	6°21	9°41	6°26	9°32	18°26	18°20	6°22	3°21	W10	
T11	7 20 33	20°24'42	10 <sup>27</sup> 38	26°57	5°54	3°52	27°30	6°16	9°39	6°26	9°31	18°26	18°16	6°29	3°22	T11	
F12	7 24 29	21°25'52	23°39	27°52	7° 1	4°37	27°R30	6°11	9°37	6°26	9°30	18°26	18°13	6°36	3°22	F12	
S13	7 28 26	22°27'01	7 <sup>25</sup> 2	28°50	8° 9	5°22	27°30	6° 6	9°36	6°26	9°29	18°27	18°10	6°42	3°23	S13	
S14	7 32 22	23°28'10	20°44	29°52	9°16	6° 7	27°30	6° 2	9°34	6°25	9°27	18°R27	18° 7	6°49	3°23	S14	
M15	7 36 19	24°29'18	4 <sup>25</sup> 44	0 <sup>25</sup> 56	10°23	6°52	27°29	5°57	9°32	6°25	9°26	18°R27	18° 4	6°56	3°24	M15	
T16	7 40 15	25°30'26	18°57	2° 3	11°29	7°38	27°28	5°53	9°31	6°25	9°25	18°26	18° 1	7° 3	3°24	T16	
W17	7 44 12	26°31'33	3 <sup>17</sup> 20	3°12	12°36	8°23	27°28	5°48	9°29	6°25	9°23	18°25	17°57	7° 9	3°R24	W17	
T18	7 48 9	27°32'40	17°46	4°24	13°42	9° 8	27°27	5°44	9°28	6°24	9°22	18°24	17°54	7°16	3°24	T18	
F19	7 52 5	28°33'45	2 <sup>17</sup> 12	5°37	14°48	9°53	27°25	5°39	9°26	6°24	9°21	18°23	17°51	7°23	3°24	F19	
S20	7 56 2	29°34'50	16°31	6°51	15°54	10°38	27°24	5°35	9°25	6°23	9°19	18°22	17°48	7°30	3°24	S20	
S21	7 59 58	0 <sup>25</sup> 35'53	0 <sup>25</sup> 43	8° 8	16°59	11°24	27°22	5°31	9°24	6°23	9°18	18°D22	17°45	7°36	3°23	S21	
M22	8 3 55	1°36'56	14°43	9°26	18° 4	12° 9	27°21	5°27	9°22	6°23	9°16	18°22	17°41	7°43	3°23	M22	
T23	8 7 51	2°37'58	28°32	10°45	19° 9	12°54	27°19	5°23	9°21	6°22	9°15	18°23	17°38	7°50	3°22	T23	
W24	8 11 48	3°38'59	12 <sup>11</sup> 8	12° 5	20°14	13°40	27°16	5°18	9°20	6°22	9°14	18°24	17°35	7°56	3°21	W24	
T25	8 15 44	4°39'58	25°32	13°26	21°18	14°25	27°14	5°14	9°19	6°21	9°12	18°26	17°32	8° 3	3°21	T25	
F26	8 19 41	5°40'57	8 <sup>25</sup> 43	14°49	22°22	15°11	27°11	5°11	9°18	6°20	9°11	18°27	17°29	8°10	3°20	F26	
S27	8 23 38	6°41'55	21°42	16°12	23°25	15°56	27° 9	5° 7	9°17	6°20	9°10	18°R27	17°26	8°17	3°19	S27	
S28	8 27 34	7°42'52	4 <sup>25</sup> 29	17°37	24°29	16°42	27° 6	5° 3	9°16	6°19	9° 8	18°26	17°22	8°23	3°17	S28	
M29	8 31 31	8°43'47	17° 3	19° 2	25°32	17°27	27° 3	4°59	9°15	6°18	9° 7	18°24	17°19	8°30	3°16	M29	
T30	8 35 27	9°44'42	29°25	20°29	26°34	18°13	26°59	4°56	9°14	6°18	9° 5	18°21	17°16	8°37	3°15	T30	
W31	8 39 24	10 <sup>25</sup> 45'36	11 <sup>17</sup> 36	21 <sup>25</sup> 56	27 <sup>17</sup> 36	18 <sup>25</sup> 58	26 <sup>17</sup> 56	4 <sup>25</sup> 52	9 <sup>11</sup> 13	6 <sup>25</sup> 17	9 <sup>0</sup> 4	18 <sup>25</sup> 18	17 <sup>25</sup> 13	8 <sup>25</sup> 43	3 <sup>25</sup> 13	W31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	23s 3	19n50	1n51	20s 9	3n 6	14s58	1s42	23s56	0s32	2n15	1n17	22n30	0s46	21n55	0s 2	1s14	1n26
T 2	22 58	17 6	2 53	20 13	3 2	14 32	1 39	23 58	0 33	2 14	1 17	22 30	0 45	21 55	0 2	1 14	1 26
W 3	22 53	13 40	3 45	20 18	2 57	14 6	1 36	23 59	0 33	2 14	1 17	22 31	0 45	21 55	0 2	1 14	1 26
T 4	22 47	9 44	4 27	20 24	2 51	13 39	1 33	24 0	0 34	2 13	1 17	22 31	0 45	21 54	0 2	1 14	1 26
F 5	22 41	5 28	4 57	20 32	2 44	13 12	1 30	24 1	0 34	2 13	1 18	22 31	0 45	21 54	0 2	1 14	1 26
S 6	22 34	1 2	5 13	20 41	2 37	12 45	1 27	24 2	0 35	2 13	1 18	22 32	0 45	21 54	0 2	1 14	1 26
S 7	22 27	3s27	5 17	20 50	2 29	12 18	1 24	24 2	0 36	2 13	1 18	22 32	0 45	21 53	0 2	1 14	1 26
M 8	22 19	7 51	5 7	21 0	2 20	11 50	1 21	24 2	0 36	2 12	1 19	22 32	0 45	21 53	0 2	1 14	1 26
T 9	22 11	12 0	4 42	21 10	2 11	11 22	1 17	24 2	0 37	2 12	1 19	22 33	0 45	21 53	0 2	1 14	1 26
W10	22 3	15 44	4 5	21 21	2 2	10 54	1 13	24 2	0 37	2 13	1 19	22 33	0 44	21 53	0 2	1 14	1 26
T11	21 54	18 50	3 15	21 32	1 53	10 26	1 10	24 1	0 38	2 13	1 19	22 34	0 44	21 52	0 2	1 14	1 26
F12	21 44	21 5	2 13	21 42	1 44	9 57	1 6	24 0	0 39	2 13	1 20	22 34	0 44	21 52	0 2	1 14	1 26
S13	21 35	22 13	1 3	21 52	1 34	9 28	1 2	23 59	0 39	2 13	1 20	22 34	0 44	21 52	0 2	1 14	1 26
S14	21 24	22 3	0s13	22 2	1 25	8 59	0 58	23 58	0 40	2 13	1 20	22 35	0 44	21 52	0 2	1 14	1 26
M15	21 14	20 32	1 29	22 11	1 15	8 30	0 54	23 56	0 40	2 14	1 21	22 35	0 44	21 51	0 2	1 14	1 26
T16	21 3	17 42	2 41	22 20	1 6	8 1	0 49	23 54	0 41	2 14	1 21	22 35	0 44	21 51	0 2	1 13	1 27
W17	20 51	13 46	3 44	22 28	0 57	7 31	0 45	23 52	0 41	2 15	1 21	22 36	0 44	21 51	0 2	1 13	1 27
T18	20 39	9 1	4 33	22 35	0 48	7 2	0 40	23 50	0 42	2 16	1 21	22 36	0 43	21 51	0 2	1 13	1 27
F19	20 27	3 47	5 4	22 41	0 39	6 32	0 36	23 47	0 43	2 16	1 22	22 36	0 43	21 51	0 2	1 13	1 27
S20	20 15	1n38	5 16	22 46	0 30	6 2	0 31	23 44	0 43	2 17	1 22	22 37	0 43	21 50	0 2	1 13	1 27
S21	20 2	6 53	5 9	22 51	0 21	5 32	0 26	23 41	0 44	2 18	1 22	22 37	0 43	21 50	0 2	1 12	1 27
M22	19 48	11 44	4 44	22 54	0 12	5 2	0 21	23 38	0 44	2 19	1 22	22 37	0 43	21 50	0 2	1 12	1 27
T23	19 35	15 54	4 2	22 57	0 4	4 32	0 16	23 34	0 45	2 20	1 23	22 38	0 43	21 50	0 2	1 12	1 27
W24	19 21	19 9	3 7	22 58	0s 4	4 2	0 11	23 30	0 45	2 21	1 23	22 38	0 43	21 50	0 2	1 12	1 27
T25	19 6	21 19	2 3	22 58	0 12	3 32	0 5	23 26	0 46	2 22	1 23	22 38	0 42	21 49	0 2	1 11	1 27
F26	18 51	22 16	0 53	22 57	0 20	3 2	0n 0	23 21	0 46	2 24	1 24	22 38	0 42	21 49	0 2	1 11	1 27
S27	18 36	21 59	0n18	22 55	0 28	2 31	0 6	23 16	0 47	2 25	1 24	22 39	0 42	21 49	0 2	1 11	1 27
S28	18 21	20 34	1 27	22 52	0 35	2 1	0 11	23 11	0 48	2 26	1 24	22 39	0 42	21 49	0 2	1 11	1 27
M29	18 5	18 8	2 31	22 47	0 42	1 31	0 17	23 6	0 48	2 28	1 24	22 39	0 42	21 49	0 2	1 10	1 27
T30	17 49	14 54	3 27	22 42	0 49	1 1	0 23	23 1	0 49	2 29	1 25	22 40	0 42	21 49	0 2	1 10	1 27
W31	17s32	11n 6	4n12	22s35	0s56	0s31	0n29	22s55	0s49	2n31	1n25	22n40	0s42	21n49	0s 2	1s10	1n27

Julian Day Number = 2431456.5, Delta T = 27.05 sec

Ecliptic obliquity = 23°26'44", Nutation = - 0°00'16", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°58'20", Lahiri = 23°05'20"

# ASTRODIENST EPHEMERIS for the year 1945

## geocentric

FEBRUARY 1945

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 43 20	11 <sup>46</sup> 29	23 <sup>17</sup> 39	23 <sup>24</sup> 24	28 <sup>18</sup> 38	19 <sup>28</sup> 44	26 <sup>0</sup> R52	4 <sup>0</sup> R49	9 <sup>0</sup> R12	6 <sup>0</sup> R16	9 <sup>0</sup> R 3	18 <sup>0</sup> R13	17 <sup>0</sup> ☾10	8 <sup>0</sup> ☾50	3 <sup>0</sup> R11	T 1	
F 2	8 47 17	12 <sup>47</sup> 21	5 <sup>46</sup> 35	24 <sup>0</sup> 53	29 <sup>0</sup> 39	20 <sup>0</sup> 30	26 <sup>0</sup> 49	4 <sup>0</sup> ☾45	9 <sup>0</sup> II11	6 <sup>0</sup> ☾15	9 <sup>0</sup> ☾ 1	18 <sup>0</sup> ☾ 9	17 <sup>0</sup> 6	8 <sup>0</sup> 57	3 <sup>0</sup> ☾10	F 2	
S 3	8 51 13	13 <sup>48</sup> 12	17 <sup>0</sup> 27	26 <sup>0</sup> 23	0 <sup>0</sup> Y40	21 <sup>0</sup> 16	26 <sup>0</sup> 45	4 <sup>0</sup> 42	9 <sup>0</sup> 11	6 <sup>0</sup> 15	9 <sup>0</sup> 0	18 <sup>0</sup> 6	17 <sup>0</sup> 3	9 <sup>0</sup> 4	3 <sup>0</sup> 8	S 3	
S 4	8 55 10	14 <sup>49</sup> 03	29 <sup>0</sup> 19	27 <sup>0</sup> 53	1 <sup>0</sup> 41	22 <sup>0</sup> 1	26 <sup>0</sup> 40	4 <sup>0</sup> 39	9 <sup>0</sup> 10	6 <sup>0</sup> 14	8 <sup>0</sup> 58	18 <sup>0</sup> 4	17 <sup>0</sup> 0	9 <sup>0</sup> 10	3 <sup>0</sup> 6	S 4	
M 5	8 59 7	15 <sup>49</sup> 52	11 <sup>11</sup> 16	29 <sup>0</sup> 24	2 <sup>0</sup> 41	22 <sup>0</sup> 47	26 <sup>0</sup> 36	4 <sup>0</sup> 36	9 <sup>0</sup> 9	6 <sup>0</sup> 13	8 <sup>0</sup> 57	18 <sup>0</sup> D 2	16 <sup>0</sup> 57	9 <sup>0</sup> 17	3 <sup>0</sup> 4	M 5	
T 6	9 3 3	16 <sup>50</sup> 41	23 <sup>0</sup> 22	0 <sup>0</sup> ☾56	3 <sup>0</sup> 41	23 <sup>0</sup> 33	26 <sup>0</sup> 32	4 <sup>0</sup> 33	9 <sup>0</sup> 9	6 <sup>0</sup> 12	8 <sup>0</sup> 56	18 <sup>0</sup> 3	16 <sup>0</sup> 54	9 <sup>0</sup> 24	3 <sup>0</sup> 2	T 6	
W 7	9 7 0	17 <sup>51</sup> 28	5 <sup>0</sup> 43	2 <sup>0</sup> 29	4 <sup>0</sup> 40	24 <sup>0</sup> 19	26 <sup>0</sup> 27	4 <sup>0</sup> 30	9 <sup>0</sup> 8	6 <sup>0</sup> 11	8 <sup>0</sup> 54	18 <sup>0</sup> 4	16 <sup>0</sup> 51	9 <sup>0</sup> 31	2 <sup>0</sup> 59	W 7	
T 8	9 10 56	18 <sup>52</sup> 15	18 <sup>0</sup> 22	4 <sup>0</sup> 3	5 <sup>0</sup> 39	25 <sup>0</sup> 5	26 <sup>0</sup> 22	4 <sup>0</sup> 27	9 <sup>0</sup> 8	6 <sup>0</sup> 10	8 <sup>0</sup> 53	18 <sup>0</sup> 5	16 <sup>0</sup> 47	9 <sup>0</sup> 37	2 <sup>0</sup> 57	T 8	
F 9	9 14 53	19 <sup>53</sup> 01	1 <sup>0</sup> 23	5 <sup>0</sup> 37	6 <sup>0</sup> 37	25 <sup>0</sup> 51	26 <sup>0</sup> 17	4 <sup>0</sup> 24	9 <sup>0</sup> 7	6 <sup>0</sup> 9	8 <sup>0</sup> 51	18 <sup>0</sup> 7	16 <sup>0</sup> 44	9 <sup>0</sup> 44	2 <sup>0</sup> 54	F 9	
S 10	9 18 49	20 <sup>53</sup> 45	14 <sup>0</sup> 50	7 <sup>0</sup> 13	7 <sup>0</sup> 34	26 <sup>0</sup> 37	26 <sup>0</sup> 12	4 <sup>0</sup> 22	9 <sup>0</sup> 7	6 <sup>0</sup> 8	8 <sup>0</sup> 50	18 <sup>0</sup> R 8	16 <sup>0</sup> 41	9 <sup>0</sup> 51	2 <sup>0</sup> 52	S 10	
S 11	9 22 46	21 <sup>54</sup> 29	28 <sup>0</sup> 42	8 <sup>0</sup> 49	8 <sup>0</sup> 32	27 <sup>0</sup> 23	26 <sup>0</sup> 7	4 <sup>0</sup> 19	9 <sup>0</sup> 7	6 <sup>0</sup> 7	8 <sup>0</sup> 49	18 <sup>0</sup> 8	16 <sup>0</sup> 38	9 <sup>0</sup> 57	2 <sup>0</sup> 49	S 11	
M 12	9 26 42	22 <sup>55</sup> 11	13 <sup>0</sup> ☾ 0	10 <sup>0</sup> 26	9 <sup>0</sup> 28	28 <sup>0</sup> 9	26 <sup>0</sup> 1	4 <sup>0</sup> 17	9 <sup>0</sup> 7	6 <sup>0</sup> 6	8 <sup>0</sup> 47	18 <sup>0</sup> 5	16 <sup>0</sup> 35	10 <sup>0</sup> 4	2 <sup>0</sup> 46	M 12	
T 13	9 30 39	23 <sup>55</sup> 52	27 <sup>0</sup> 37	12 <sup>0</sup> 3	10 <sup>0</sup> 24	28 <sup>0</sup> 55	25 <sup>0</sup> 56	4 <sup>0</sup> 14	9 <sup>0</sup> 6	6 <sup>0</sup> 5	8 <sup>0</sup> 46	18 <sup>0</sup> 2	16 <sup>0</sup> 32	10 <sup>0</sup> 11	2 <sup>0</sup> 43	T 13	
W 14	9 34 36	24 <sup>56</sup> 31	12 <sup>0</sup> ☾28	13 <sup>0</sup> 42	11 <sup>0</sup> 20	29 <sup>0</sup> 41	25 <sup>0</sup> 50	4 <sup>0</sup> 12	9 <sup>0</sup> 6	6 <sup>0</sup> 3	8 <sup>0</sup> 45	17 <sup>0</sup> 56	16 <sup>0</sup> 28	10 <sup>0</sup> 18	2 <sup>0</sup> 40	W 14	
T 15	9 38 32	25 <sup>57</sup> 09	27 <sup>0</sup> 23	15 <sup>0</sup> 21	12 <sup>0</sup> 15	0 <sup>0</sup> ☾27	25 <sup>0</sup> 44	4 <sup>0</sup> 10	9 <sup>0</sup> 6	6 <sup>0</sup> 2	8 <sup>0</sup> 43	17 <sup>0</sup> 50	16 <sup>0</sup> 25	10 <sup>0</sup> 24	2 <sup>0</sup> 37	T 15	
F 16	9 42 29	26 <sup>57</sup> 45	12 <sup>0</sup> Y15	17 <sup>0</sup> 1	13 <sup>0</sup> 9	1 <sup>0</sup> 13	25 <sup>0</sup> 38	4 <sup>0</sup> 8	9 <sup>0</sup> D 6	6 <sup>0</sup> 1	8 <sup>0</sup> 42	17 <sup>0</sup> 45	16 <sup>0</sup> 22	10 <sup>0</sup> 31	2 <sup>0</sup> 34	F 16	
S 17	9 46 25	27 <sup>58</sup> 19	26 <sup>0</sup> 56	18 <sup>0</sup> 43	14 <sup>0</sup> 2	1 <sup>0</sup> 59	25 <sup>0</sup> 32	4 <sup>0</sup> 6	9 <sup>0</sup> 6	6 <sup>0</sup> 0	8 <sup>0</sup> 41	17 <sup>0</sup> 40	16 <sup>0</sup> 19	10 <sup>0</sup> 38	2 <sup>0</sup> 31	S 17	
S 18	9 50 22	28 <sup>58</sup> 52	11 <sup>0</sup> ☾19	20 <sup>0</sup> 25	14 <sup>0</sup> 55	2 <sup>0</sup> 45	25 <sup>0</sup> 26	4 <sup>0</sup> 4	9 <sup>0</sup> 6	5 <sup>0</sup> 59	8 <sup>0</sup> 40	17 <sup>0</sup> 37	16 <sup>0</sup> 16	10 <sup>0</sup> 44	2 <sup>0</sup> 28	S 18	
M 19	9 54 18	29 <sup>59</sup> 23	25 <sup>0</sup> 23	22 <sup>0</sup> 8	15 <sup>0</sup> 47	3 <sup>0</sup> 32	25 <sup>0</sup> 20	4 <sup>0</sup> 2	9 <sup>0</sup> 6	5 <sup>0</sup> 57	8 <sup>0</sup> 38	17 <sup>0</sup> D35	16 <sup>0</sup> 12	10 <sup>0</sup> 51	2 <sup>0</sup> 24	M 19	
T 20	9 58 15	0 <sup>0</sup> ☾5952	9 <sup>0</sup> II 6	23 <sup>0</sup> 52	16 <sup>0</sup> 39	4 <sup>0</sup> 18	25 <sup>0</sup> 13	4 <sup>0</sup> 1	9 <sup>0</sup> 7	5 <sup>0</sup> 56	8 <sup>0</sup> 37	17 <sup>0</sup> 35	16 <sup>0</sup> 9	10 <sup>0</sup> 58	2 <sup>0</sup> 21	T 20	
W 21	10 2 11	2 <sup>0</sup> 0'19	22 <sup>0</sup> 29	25 <sup>0</sup> 36	17 <sup>0</sup> 29	5 <sup>0</sup> 4	25 <sup>0</sup> 7	3 <sup>0</sup> 59	9 <sup>0</sup> 7	5 <sup>0</sup> 55	8 <sup>0</sup> 36	17 <sup>0</sup> 37	16 <sup>0</sup> 6	11 <sup>0</sup> 5	2 <sup>0</sup> 17	W 21	
T 22	10 6 8	3 <sup>0</sup> 0'44	5 <sup>0</sup> ☾35	27 <sup>0</sup> 22	18 <sup>0</sup> 19	5 <sup>0</sup> 50	25 <sup>0</sup> 0	3 <sup>0</sup> 58	9 <sup>0</sup> 7	5 <sup>0</sup> 54	8 <sup>0</sup> 34	17 <sup>0</sup> 38	16 <sup>0</sup> 3	11 <sup>0</sup> 11	2 <sup>0</sup> 14	T 22	
F 23	10 10 5	4 <sup>0</sup> 1'07	18 <sup>0</sup> 26	29 <sup>0</sup> 9	19 <sup>0</sup> 8	6 <sup>0</sup> 37	24 <sup>0</sup> 53	3 <sup>0</sup> 57	9 <sup>0</sup> 8	5 <sup>0</sup> 52	8 <sup>0</sup> 33	17 <sup>0</sup> R38	16 <sup>0</sup> 0	11 <sup>0</sup> 18	2 <sup>0</sup> 10	F 23	
S 24	10 14 1	5 <sup>0</sup> 1'29	1 <sup>0</sup> ☾ 4	0 <sup>0</sup> ☾57	19 <sup>0</sup> 56	7 <sup>0</sup> 23	24 <sup>0</sup> 46	3 <sup>0</sup> 55	9 <sup>0</sup> 8	5 <sup>0</sup> 51	8 <sup>0</sup> 32	17 <sup>0</sup> 37	15 <sup>0</sup> 57	11 <sup>0</sup> 25	2 <sup>0</sup> 6	S 24	
S 25	10 17 58	6 <sup>0</sup> 1'48	13 <sup>0</sup> 31	2 <sup>0</sup> 45	20 <sup>0</sup> 43	8 <sup>0</sup> 9	24 <sup>0</sup> 39	3 <sup>0</sup> 54	9 <sup>0</sup> 8	5 <sup>0</sup> 50	8 <sup>0</sup> 31	17 <sup>0</sup> 34	15 <sup>0</sup> 53	11 <sup>0</sup> 32	2 <sup>0</sup> 2	S 25	
M 26	10 21 54	7 <sup>0</sup> 2'06	25 <sup>0</sup> 49	4 <sup>0</sup> 35	21 <sup>0</sup> 29	8 <sup>0</sup> 56	24 <sup>0</sup> 32	3 <sup>0</sup> 53	9 <sup>0</sup> 9	5 <sup>0</sup> 48	8 <sup>0</sup> 30	17 <sup>0</sup> 29	15 <sup>0</sup> 50	11 <sup>0</sup> 38	1 <sup>0</sup> 58	M 26	
T 27	10 25 51	8 <sup>0</sup> 2'22	7 <sup>0</sup> ☾59	6 <sup>0</sup> 25	22 <sup>0</sup> 15	9 <sup>0</sup> 42	24 <sup>0</sup> 25	3 <sup>0</sup> 53	9 <sup>0</sup> 9	5 <sup>0</sup> 47	8 <sup>0</sup> 28	17 <sup>0</sup> 21	15 <sup>0</sup> 47	11 <sup>0</sup> 45	1 <sup>0</sup> 54	T 27	
W 28	10 29 47	9 <sup>0</sup> ☾ 2'36	20 <sup>0</sup> ☾ 3	8 <sup>0</sup> ☾17	22 <sup>0</sup> Y59	10 <sup>0</sup> ☾28	24 <sup>0</sup> 18	3 <sup>0</sup> ☾52	9 <sup>0</sup> II10	5 <sup>0</sup> ☾45	8 <sup>0</sup> ☾27	17 <sup>0</sup> ☾11	15 <sup>0</sup> ☾44	11 <sup>0</sup> ☾52	1 <sup>0</sup> ☾50	W 28	

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	decl lat	
T 1	17s16	6n53	4n45	22s26	1s 2	0s 0	0n35	22s49	0s50	2n33	1n25	22n40	0s41	21n49	0s 2	1s 9	T 1
F 2	16 59	2 28	5 6	22 17	1 8	0n30	0 41	22 43	0 50	2 34	1 25	22 40	0 41	21 48	0 2	1 9	F 2
S 3	16 41	2s 1	5 14	22 6	1 14	1 0	0 47	22 36	0 51	2 36	1 26	22 41	0 41	21 48	0 2	1 8	S 3
S 4	16 24	6 26	5 8	21 54	1 20	1 30	0 54	22 29	0 51	2 38	1 26	22 41	0 41	21 48	0 2	1 8	S 4
M 5	16 6	10 39	4 48	21 40	1 25	1 59	1 0	22 22	0 52	2 40	1 26	22 41	0 41	21 48	0 2	1 8	M 5
T 6	15 48	14 29	4 16	21 25	1 30	2 29	1 7	22 15	0 52	2 42	1 26	22 42	0 41	21 48	0 2	1 7	T 6
W 7	15 29	17 47	3 32	21 9	1 35	2 59	1 14	22 8	0 53	2 44	1 27	22 42	0 40	21 48	0 2	1 7	W 7
T 8	15 10	20 21	2 36	20 52	1 40	3 28	1 20	22 0	0 53	2 46	1 27	22 42	0 40	21 48	0 2	1 6	T 8
F 9	14 51	21 56	1 30	20 33	1 44	3 58	1 27	21 52	0 54	2 48	1 27	22 42	0 40	21 48	0 2	1 6	F 9
S 10	14 32	22 19	0 18	20 12	1 48	4 27	1 34	21 44	0 54	2 51	1 27	22 43	0 40	21 48	0 2	1 6	S 10
S 11	14 13	21 22	0s57	19 51	1 51	4 56	1 41	21 35	0 55	2 53	1 27	22 43	0 40	21 48	0 2	1 5	S 11
M 12	13 53	19 1	2 11	19 28	1 54	5 25	1 48	21 27	0 55	2 55	1 28	22 43	0 40	21 48	0 2	1 5	M 12
T 13	13 33	15 24	3 18	19 3	1 57	5 53	1 55	21 18	0 56	2 58	1 28	22 43	0 39	21 48	0 1	1 4	T 13
W 14	13 13	10 47	4 13	18 38	2 0	6 22	2 3	21 9	0 56	3 0	1 28	22 43	0 39	21 48	0 1	1 4	W 14
T 15	12 52	5 29	4 51	18 11	2 2	6 50	2 10	20 59	0 57	3 3	1 28	22 44	0 39	21 48	0 1	1 3	T 15
F 16	12 32	0n 6	5 9	17 42	2 4	7 18	2 17	20 50	0 57	3 5	1 28	22 44	0 39	21 48	0 1	1 3	F 16
S 17	12 11	5 37	5 6	17 12	2 5	7 46	2 25	20 40	0 58	3 8	1 29	22 44	0 39	21 48	0 1	1 2	S 17
S 18	11 50	10 44	4 44	16 41	2 6	8 13	2 32	20 30	0 58	3 10	1 29	22 44	0 39	21 48	0 1	1 2	S 18
M 19	11 29	15 8	4 5	16 8	2 7	8 41	2 40	20 19	0 59	3 13	1 29	22 45	0 38	21 48	0 1	1 1	M 19
T 20	11 7	18 38	3 13	15 34	2 7	9 7	2 48	20 9	0 59	3 16	1 29	22 45	0 38	21 48	0 1	1 1	T 20
W 21	10 46	21 2	2 12	14 58	2 6	9 34	2 56	19 58	1 0	3 19	1 29	22 45	0 38	21 48	0 1	1 0	W 21
T 22	10 24	22 15	1 5	14 21	2 6	10 0	3 3	19 47	1 0	3 21	1 30	22 45	0 38	21 48	0 1	0 59	T 22
F 23	10 2	22 15	0n 4	13 43	2 5	10 26	3 11	19 36	1 1	3 24	1 30	22 45	0 38	21 48	0 1	0 59	F 23
S 24	9 40	21 6	1 12	13 3	2 3	10 52	3 19	19 25	1 1	3 27	1 30	22 46	0 38	21 48	0 1	0 58	S 24
S 25	9 18	18 55	2 15	12 22	2 1	11 17	3 27	19 13	1 2	3 30	1 30	22 46	0 38	21 48	0 1	0 58	S 25
M 26	8 56	15 54	3 11	11 40	1 58	11 42	3 35	19 2	1 2	3 33	1 30	22 46	0 37	21 48	0 1	0 57	M 26
T 27	8 33	12 14	3 57	10 56	1 55	12 7	3 43	18 50	1 2	3 36	1 30	22 46	0 37	21 48	0 1	0 57	T 27
W 28	8s11	8n 7	4n32	10s11	1s51	12n31	3n51	18s38	1s 3	3n39	1n30	22n46	0s37	21n49	0s 1	0s56	W 28

## ASTRODIENST EPHEMERIS for the year 1945

geocentric

MARCH 1945

00:00 UT

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

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	7s48	3n42	4n55	9s25	1s47	12n55	4n 0	18s25	1s 3	3n42	1n31	22n47	0s37	21n49	0s 1	0s55	1n29
F 2	7 25	0s49	5 5	8 38	1 43	13 18	4 8	18 13	1 4	3 45	1 31	22 47	0 37	21 49	0 1	0 55	1 29
S 3	7 3	5 17	5 1	7 49	1 37	13 41	4 16	18 0	1 4	3 48	1 31	22 47	0 37	21 49	0 1	0 54	1 29
S 4	6 40	9 34	4 45	6 59	1 31	14 3	4 24	17 47	1 4	3 51	1 31	22 47	0 36	21 49	0 1	0 54	1 29
M 5	6 16	13 31	4 16	6 8	1 25	14 25	4 32	17 34	1 5	3 54	1 31	22 47	0 36	21 49	0 1	0 53	1 29
T 6	5 53	16 59	3 35	5 16	1 18	14 46	4 41	17 21	1 5	3 57	1 31	22 47	0 36	21 49	0 1	0 52	1 29
W 7	5 30	19 45	2 44	4 23	1 10	15 7	4 49	17 7	1 6	4 1	1 31	22 48	0 36	21 49	0 1	0 52	1 29
T 8	5 7	21 40	1 44	3 29	1 2	15 27	4 57	16 54	1 6	4 4	1 31	22 48	0 36	21 50	0 1	0 51	1 29
F 9	4 43	22 30	0 37	2 35	0 53	15 47	5 5	16 40	1 6	4 7	1 31	22 48	0 36	21 50	0 1	0 50	1 29
S 10	4 20	22 5	0s34	1 40	0 44	16 6	5 13	16 26	1 7	4 10	1 31	22 48	0 35	21 50	0 1	0 50	1 29
S 11	3 56	20 20	1 45	0 44	0 34	16 24	5 21	16 12	1 7	4 13	1 31	22 48	0 35	21 50	0 1	0 49	1 29
M 12	3 33	17 15	2 53	0n11	0 24	16 42	5 30	15 57	1 8	4 16	1 32	22 48	0 35	21 50	0 1	0 48	1 29
T 13	3 9	13 0	3 51	1 7	0 13	16 59	5 37	15 43	1 8	4 19	1 32	22 48	0 35	21 51	0 1	0 48	1 29
W 14	2 46	7 51	4 34	2 3	0 1	17 15	5 45	15 28	1 8	4 23	1 32	22 49	0 35	21 51	0 1	0 47	1 29
T 15	2 22	2 10	4 58	2 58	0n10	17 31	5 53	15 14	1 9	4 26	1 32	22 49	0 35	21 51	0 1	0 47	1 29
F 16	1 58	3n39	5 1	3 52	0 22	17 46	6 1	14 59	1 9	4 29	1 32	22 49	0 34	21 51	0 1	0 46	1 29
S 17	1 35	9 10	4 43	4 46	0 35	18 0	6 8	14 44	1 9	4 32	1 32	22 49	0 34	21 51	0 1	0 45	1 29
S 18	1 11	14 3	4 6	5 38	0 47	18 13	6 16	14 28	1 10	4 35	1 32	22 49	0 34	21 52	0 1	0 45	1 29
M 19	0 47	17 59	3 15	6 29	1 0	18 25	6 23	14 13	1 10	4 38	1 32	22 49	0 34	21 52	0 1	0 44	1 29
T 20	0 23	20 46	2 14	7 18	1 13	18 37	6 30	13 58	1 10	4 41	1 32	22 49	0 34	21 52	0 1	0 43	1 29
W 21	0n 0	22 18	1 8	8 5	1 25	18 47	6 37	13 42	1 11	4 44	1 32	22 49	0 34	21 52	0 1	0 43	1 29
T 22	0 24	22 34	0n 1	8 50	1 38	18 57	6 44	13 26	1 11	4 47	1 32	22 50	0 33	21 53	0 1	0 42	1 29
F 23	0 48	21 38	1 7	9 33	1 50	19 5	6 50	13 10	1 11	4 50	1 32	22 50	0 33	21 53	0 1	0 41	1 29
S 24	1 11	19 40	2 9	10 12	2 2	19 12	6 56	12 54	1 11	4 53	1 32	22 50	0 33	21 53	0 1	0 41	1 29
S 25	1 35	16 49	3 4	10 49	2 13	19 19	7 2	12 38	1 12	4 56	1 32	22 50	0 33	21 54	0 1	0 40	1 29
M 26	1 59	13 16	3 50	11 23	2 24	19 24	7 7	12 22	1 12	4 59	1 32	22 50	0 33	21 54	0 1	0 39	1 29
T 27	2 22	9 14	4 25	11 53	2 33	19 28	7 12	12 6	1 12	5 2	1 32	22 50	0 33	21 54	0 1	0 39	1 29
W 28	2 46	4 51	4 48	12 21	2 43	19 30	7 17	11 49	1 13	5 5	1 32	22 50	0 32	21 54	0 1	0 38	1 29
T 29	3 9	0 19	4 59	12 44	2 51	19 31	7 21	11 33	1 13	5 7	1 31	22 50	0 32	21 55	0 1	0 37	1 29
F 30	3 32	4s14	4 56	13 4	2 58	19 31	7 25	11 16	1 13	5 10	1 31	22 50	0 32	21 55	0 1	0 37	1 29
S 31	3n56	8s38	4n41	13n20	3n 4	19n30	7n28	10s59	1s13	5n13	1n31	22n50	0s32	21n55	0s 1	0s36	1n29

Julian Day Number = 2431515.5, Delta T = 27.13 sec

Ecliptic obliquity = 23°26'45", Nutation = - 0°00'16", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°58'28", Lahiri = 23°05'28"

# ASTRODIENST EPHEMERIS for the year 1945

## geocentric

APRIL 1945

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 35 57	10°54'01	16°27	27°33	2°R42	5°19	20°R16	4°27	9°56	4°R54	7°R59	13°R46	14°2	15°27	29°R23	S 1
M 2	12 39 54	11°53'11	28°26	27°48	2°25	6° 6	20° 9	4°30	9°58	4°53	7°59	13°38	13°59	15°34	29°18	M 2
T 3	12 43 50	12°52'19	10°32	27°55	2° 5	6°53	20° 2	4°33	10° 1	4°51	7°58	13°32	13°56	15°40	29°14	T 3
W 4	12 47 47	13°51'25	22°48	27°R55	1°43	7°39	19°56	4°36	10° 3	4°49	7°58	13°29	13°53	15°47	29° 9	W 4
T 5	12 51 43	14°50'30	5°20	27°48	1°19	8°26	19°49	4°40	10° 5	4°48	7°58	13°28	13°49	15°54	29° 5	T 5
F 6	12 55 40	15°49'32	18°10	27°35	0°52	9°13	19°43	4°43	10° 7	4°46	7°57	13°28	13°46	16° 0	29° 0	F 6
S 7	12 59 36	16°48'34	1°25	27°15	0°24	9°59	19°36	4°46	10°10	4°45	7°57	13°28	13°43	16° 7	28°56	S 7
S 8	13 3 33	17°47'33	15° 7	26°50	29°54	10°46	19°30	4°50	10°12	4°43	7°57	13°26	13°40	16°14	28°52	S 8
M 9	13 7 29	18°46'30	29°18	26°20	29°22	11°33	19°24	4°53	10°15	4°41	7°56	13°21	13°37	16°21	28°47	M 9
T 10	13 11 26	19°45'26	13°56	25°46	28°49	12°19	19°18	4°57	10°17	4°40	7°56	13°14	13°34	16°27	28°43	T 10
W11	13 15 23	20°44'20	28°58	25° 8	28°14	13° 6	19°12	5° 1	10°20	4°38	7°56	13° 5	13°30	16°34	28°39	W11
T 12	13 19 19	21°43'12	14°15	24°27	27°38	13°52	19° 7	5° 4	10°22	4°37	7°55	12°54	13°27	16°41	28°35	T 12
F 13	13 23 16	22°42'02	29°35	23°44	27° 2	14°39	19° 1	5° 8	10°25	4°35	7°55	12°43	13°24	16°48	28°31	F 13
S 14	13 27 12	23°40'50	14°47	23° 0	26°25	15°26	18°56	5°12	10°28	4°33	7°55	12°33	13°21	16°54	28°27	S 14
S 15	13 31 9	24°39'36	29°41	22°15	25°47	16°12	18°51	5°17	10°30	4°32	7°55	12°26	13°18	17° 1	28°23	S 15
M16	13 35 5	25°38'20	14°10	21°31	25° 9	16°59	18°46	5°21	10°33	4°30	7°55	12°21	13°15	17° 8	28°19	M16
T 17	13 39 2	26°37'01	28° 9	20°49	24°31	17°45	18°41	5°25	10°36	4°29	7°55	12°18	13°11	17°14	28°15	T 17
W18	13 42 58	27°35'41	11°54	20° 8	23°54	18°32	18°36	5°29	10°38	4°27	7°55	12°D18	13° 8	17°21	28°11	W18
T 19	13 46 55	28°34'18	24°44	19°30	23°17	19°18	18°31	5°34	10°41	4°26	7°54	12°R18	13° 5	17°28	28° 8	T 19
F 20	13 50 52	29°32'53	7°26	18°55	22°41	20° 5	18°27	5°38	10°44	4°24	7°D54	12°18	13° 2	17°35	28° 4	F 20
S 21	13 54 48	0°31'26	19°49	18°24	22° 6	20°51	18°22	5°43	10°47	4°23	7°54	12°16	12°59	17°41	28° 1	S 21
S 22	13 58 45	1°29'56	1°59	17°56	21°33	21°38	18°18	5°48	10°50	4°22	7°54	12°12	12°55	17°48	27°57	S 22
M23	14 2 41	2°28'25	14° 0	17°34	21° 0	22°24	18°14	5°53	10°53	4°20	7°55	12° 5	12°52	17°55	27°54	M23
T 24	14 6 38	3°26'51	25°55	17°16	20°30	23°10	18°11	5°57	10°56	4°19	7°55	11°56	12°49	18° 2	27°50	T 24
W25	14 10 34	4°25'15	7°48	17° 3	20° 1	23°57	18° 7	6° 2	10°59	4°17	7°55	11°45	12°46	18° 8	27°47	W25
T 26	14 14 31	5°23'37	19°40	16°55	19°34	24°43	18° 3	6° 7	11° 2	4°16	7°55	11°33	12°43	18°15	27°44	T 26
F 27	14 18 27	6°21'58	1°33	16°D51	19°10	25°29	18° 0	6°13	11° 5	4°15	7°55	11°21	12°40	18°22	27°41	F 27
S 28	14 22 24	7°20'16	13°30	16°53	18°47	26°16	17°57	6°18	11° 8	4°13	7°55	11° 9	12°36	18°28	27°38	S 28
S 29	14 26 20	8°18'33	25°30	17° 0	18°27	27° 2	17°54	6°23	11°11	4°12	7°55	10°59	12°33	18°35	27°35	S 29
M30	14 30 17	9°16'48	7°37	17°11	18°Y 9	27°48	17°51	6°28	11°14	4°11	7°56	10°52	12°30	18°42	27°33	M30

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	4n19	12s43	4n13	13n33	3n 9	19n27	7n30	10s42	1s14	5n15	1n31	22n50	0s32	21n56	0s 1	S 1
M 2	4 42	16 20	3 34	13 42	3 13	19 22	7 32	10 25	1 14	5 18	1 31	22 50	0 32	21 56	0 1	M 2
T 3	5 5	19 19	2 44	13 46	3 15	19 17	7 33	10 8	1 14	5 21	1 31	22 50	0 32	21 56	0 1	T 3
W 4	5 28	21 28	1 47	13 47	3 16	19 9	7 34	9 51	1 14	5 23	1 31	22 51	0 31	21 57	0 1	W 4
T 5	5 51	22 37	0 43	13 44	3 15	19 1	7 34	9 34	1 14	5 26	1 31	22 51	0 31	21 57	0 1	T 5
F 6	6 14	22 37	0s23	13 37	3 13	18 50	7 33	9 16	1 15	5 28	1 31	22 51	0 31	21 57	0 1	F 6
S 7	6 36	21 22	1 33	13 27	3 9	18 39	7 31	8 59	1 15	5 30	1 31	22 51	0 31	21 58	0 1	S 7
S 8	6 59	18 50	2 39	13 13	3 4	18 25	7 29	8 41	1 15	5 33	1 31	22 51	0 31	21 58	0 1	S 8
M 9	7 21	15 6	3 37	12 55	2 57	18 11	7 25	8 24	1 15	5 35	1 31	22 51	0 31	21 59	0 1	M 9
T 10	7 44	10 21	4 23	12 35	2 49	17 55	7 21	8 6	1 15	5 37	1 30	22 51	0 31	21 59	0 1	T 10
W11	8 6	4 52	4 51	12 11	2 39	17 38	7 16	7 48	1 15	5 39	1 30	22 51	0 30	21 59	0 1	W11
T 12	8 28	1n 0	5 0	11 46	2 27	17 19	7 10	7 31	1 16	5 42	1 30	22 51	0 30	22 0	0 1	T 12
F 13	8 50	6 50	4 48	11 18	2 15	17 0	7 4	7 13	1 16	5 44	1 30	22 51	0 30	22 0	0 1	F 13
S 14	9 12	12 13	4 15	10 49	2 1	16 39	6 56	6 55	1 16	5 46	1 30	22 51	0 30	22 0	0 1	S 14
S 15	9 33	16 45	3 25	10 19	1 46	16 17	6 48	6 37	1 16	5 47	1 30	22 51	0 30	22 1	0 1	S 15
M16	9 55	20 8	2 23	9 48	1 31	15 55	6 39	6 19	1 16	5 49	1 30	22 51	0 30	22 1	0 1	M16
T 17	10 16	22 12	1 14	9 17	1 15	15 32	6 29	6 1	1 16	5 51	1 29	22 51	0 30	22 2	0 1	T 17
W18	10 37	22 53	0 3	8 46	0 58	15 8	6 19	5 43	1 16	5 53	1 29	22 51	0 29	22 2	0 1	W18
T 19	10 58	22 15	1n 6	8 16	0 41	14 44	6 8	5 24	1 16	5 55	1 29	22 50	0 29	22 2	0 1	T 19
F 20	11 19	20 30	2 9	7 47	0 24	14 20	5 56	5 6	1 17	5 56	1 29	22 50	0 29	22 3	0 1	F 20
S 21	11 40	17 48	3 5	7 20	0 8	13 55	5 44	4 48	1 17	5 58	1 29	22 50	0 29	22 3	0 1	S 21
S 22	12 0	14 22	3 51	6 54	0s 9	13 31	5 31	4 30	1 17	5 59	1 29	22 50	0 29	22 4	0 1	S 22
M23	12 20	10 24	4 27	6 31	0 25	13 6	5 18	4 12	1 17	6 0	1 28	22 50	0 29	22 4	0 1	M23
T 24	12 40	6 4	4 50	6 9	0 41	12 42	5 5	3 53	1 17	6 2	1 28	22 50	0 29	22 5	0 1	T 24
W25	13 0	1 31	5 1	5 50	0 56	12 19	4 51	3 35	1 17	6 3	1 28	22 50	0 28	22 5	0 1	W25
T 26	13 19	3s 5	4 59	5 34	1 10	11 56	4 37	3 17	1 17	6 4	1 28	22 50	0 28	22 5	0 1	T 26
F 27	13 39	7 35	4 44	5 20	1 24	11 33	4 23	2 58	1 17	6 5	1 28	22 50	0 28	22 6	0 1	F 27
S 28	13 58	11 49	4 16	5 8	1 37	11 11	4 8	2 40	1 17	6 6	1 28	22 50	0 28	22 6	0 1	S 28
S 29	14 17	15 38	3 37	5 0	1 49	10 50	3 54	2 21	1 17	6 7	1 27	22 50	0 28	22 7	0 1	S 29
M30	14n35	18s50	2n47	4n54	2s 1	10n30	3n40	2s 3	1s17	6n 8	1n27	22n50	0s28	22n 7	0s 1	M30

Julian Day Number = 2431546.5, Delta T = 27.17 sec

Ecliptic obliquity = 23°26'45, Nutation = - 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°58'32, Lahiri = 23°05'32

## ASTRODIENST EPHEMERIS for the year 1945

geocentric

MAY 1945

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 34 14	10°15'02	19°51	17°27	17°R53	28°34	17°R49	6°34	11°17	4°R 9	7°56	10°R47	12°27	18°49	27°R30	T 1
W 2	14 38 10	11°13'14	2°315	17°48	17°Y40	29°21	17°M46	6°39	11°20	4°R 8	7°56	10°D45	12°24	18°55	27°M27	W 2
T 3	14 42 7	12°11'24	14°53	18°13	17°30	0°Y 7	17°44	6°45	11°23	4° 7	7°57	10°D45	12°20	19° 2	27°25	T 3
F 4	14 46 3	13° 9'33	27°46	18°42	17°22	0°53	17°42	6°50	11°27	4° 6	7°57	10°46	12°17	19° 9	27°23	F 4
S 5	14 50 0	14° 7'41	10°59	19°15	17°16	1°39	17°40	6°56	11°30	4° 5	7°57	10°R46	12°14	19°15	27°20	S 5
S 6	14 53 56	15° 5'47	24°35	19°53	17°13	2°25	17°39	7° 2	11°33	4° 3	7°58	10°46	12°11	19°22	27°18	S 6
M 7	14 57 53	16° 3'52	8°36	20°34	17°D12	3°11	17°37	7° 8	11°36	4° 2	7°58	10°44	12° 8	19°29	27°16	M 7
T 8	15 1 50	17° 1'55	23° 1	21°19	17°13	3°57	17°36	7°13	11°40	4° 1	7°59	10°40	12° 5	19°36	27°14	T 8
W 9	15 5 46	17°59'57	7°47	22° 7	17°17	4°43	17°35	7°19	11°43	4° 0	7°59	10°34	12° 1	19°42	27°12	W 9
T 10	15 9 43	18°57'58	22°49	22°59	17°23	5°29	17°34	7°25	11°46	3°59	8° 0	10°26	11°58	19°49	27°10	T 10
F 11	15 13 39	19°55'57	7°57	23°54	17°31	6°15	17°33	7°31	11°50	3°58	8° 0	10°18	11°55	19°56	27° 9	F 11
S 12	15 17 36	20°53'55	23° 2	24°52	17°42	7° 1	17°32	7°38	11°53	3°57	8° 1	10°11	11°52	20° 3	27° 7	S 12
S 13	15 21 32	21°51'51	7°II54	25°53	17°54	7°47	17°32	7°44	11°56	3°56	8° 1	10° 6	11°49	20° 9	27° 6	S 13
M14	15 25 29	22°49'46	22°24	26°57	18° 9	8°33	17°32	7°50	12° 0	3°55	8° 2	10° 3	11°46	20°16	27° 5	M14
T 15	15 29 25	23°47'39	6°29	28° 4	18°25	9°19	17°D32	7°56	12° 3	3°54	8° 2	10°D 1	11°42	20°23	27° 3	T 15
W16	15 33 22	24°45'30	20° 7	29°14	18°43	10° 4	17°32	8° 3	12° 7	3°53	8° 3	10° 2	11°39	20°29	27° 2	W16
T 17	15 37 19	25°43'20	3°II17	0°826	19° 4	10°50	17°32	8° 9	12°10	3°52	8° 4	10° 3	11°36	20°36	27° 1	T 17
F 18	15 41 15	26°41'07	16° 3	1°41	19°26	11°36	17°32	8°16	12°13	3°51	8° 5	10° 4	11°33	20°43	27° 0	F 18
S 19	15 45 12	27°38'54	28°30	2°59	19°49	12°21	17°33	8°22	12°17	3°50	8° 5	10°R 5	11°30	20°50	27° 0	S 19
S 20	15 49 8	28°36'38	10°M41	4°19	20°15	13° 7	17°34	8°29	12°20	3°50	8° 6	10° 4	11°26	20°56	26°59	S 20
M21	15 53 5	29°34'21	22°42	5°42	20°41	13°52	17°35	8°35	12°24	3°49	8° 7	10° 1	11°23	21° 3	26°58	M21
T 22	15 57 1	0°II32'02	4°36	7° 7	21°10	14°38	17°36	8°42	12°27	3°48	8° 8	9°57	11°20	21°10	26°58	T 22
W23	16 0 58	1°29'42	16°28	8°34	21°40	15°23	17°38	8°49	12°31	3°47	8° 8	9°51	11°17	21°16	26°58	W23
T 24	16 4 54	2°27'20	28°20	10° 4	22°11	16° 9	17°39	8°55	12°34	3°47	8° 9	9°45	11°14	21°23	26°57	T 24
F 25	16 8 51	3°24'57	10°M17	11°37	22°44	16°54	17°41	9° 2	12°38	3°46	8°10	9°38	11°11	21°30	26°D57	F 25
S 26	16 12 47	4°22'33	22°19	13°11	23°18	17°39	17°43	9° 9	12°41	3°45	8°11	9°32	11° 7	21°37	26°57	S 26
S 27	16 16 44	5°20'07	4°M29	14°48	23°53	18°25	17°45	9°16	12°45	3°45	8°12	9°27	11° 4	21°43	26°57	S 27
M28	16 20 41	6°17'41	16°47	16°28	24°30	19°10	17°47	9°23	12°48	3°44	8°13	9°23	11° 1	21°50	26°58	M28
T 29	16 24 37	7°15'13	29°16	18°10	25° 8	19°55	17°50	9°30	12°52	3°44	8°14	9°21	10°58	21°57	26°58	T 29
W30	16 28 34	8°12'44	11°36	19°54	25°47	20°40	17°52	9°37	12°55	3°43	8°15	9°D21	10°55	22° 4	26°59	W30
T 31	16 32 30	9°II10'15	24°348	21°340	26°Y27	21°Y25	17°M55	9°344	12°II59	3°443	8°16	9°22	10°52	22°10	26°M59	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	14n54	21s15	1n49	4n50	2s11	10n11	3n25	1s45	1s17	6n 9	1n27	22n49	0s28	22n 8	0s 1	0s18
W 2	15 12	22 40	0 45	4 49	2 21	9 53	3 11	1 26	1 17	6 10	1 27	22 49	0 28	22 8	0 1	0 17
T 3	15 30	22 59	0s22	4 50	2 30	9 36	2 57	1 8	1 17	6 11	1 27	22 49	0 27	22 8	0 1	0 17
F 4	15 48	22 5	1 30	4 54	2 38	9 20	2 43	0 49	1 17	6 11	1 26	22 49	0 27	22 9	0 1	0 16
S 5	16 5	19 57	2 35	5 0	2 45	9 5	2 29	0 31	1 17	6 12	1 26	22 49	0 27	22 9	0 1	0 16
S 6	16 22	16 40	3 33	5 8	2 51	8 51	2 16	0 13	1 17	6 12	1 26	22 49	0 27	22 10	0 1	0 15
M 7	16 39	12 21	4 20	5 18	2 56	8 38	2 2	0n 6	1 17	6 13	1 26	22 48	0 27	22 10	0 1	0 15
T 8	16 56	7 14	4 52	5 31	3 1	8 27	1 49	0 24	1 17	6 13	1 26	22 48	0 27	22 11	0 1	0 15
W 9	17 12	1 36	5 6	5 45	3 5	8 16	1 37	0 42	1 17	6 13	1 25	22 48	0 27	22 11	0 1	0 14
T 10	17 28	4n14	4 59	6 1	3 8	8 7	1 24	1 1	1 16	6 13	1 25	22 48	0 27	22 12	0 1	0 14
F 11	17 44	9 53	4 32	6 19	3 11	7 59	1 12	1 19	1 16	6 13	1 25	22 48	0 26	22 12	0 1	0 13
S 12	17 59	14 54	3 45	6 39	3 12	7 52	1 0	1 37	1 16	6 14	1 25	22 47	0 26	22 13	0 1	0 13
S 13	18 14	18 56	2 44	7 0	3 13	7 46	0 48	1 55	1 16	6 13	1 24	22 47	0 26	22 13	0 1	0 13
M14	18 29	21 40	1 34	7 23	3 14	7 41	0 37	2 14	1 16	6 13	1 24	22 47	0 26	22 13	0 1	0 12
T 15	18 44	22 58	0 19	7 47	3 13	7 37	0 26	2 32	1 16	6 13	1 24	22 47	0 26	22 14	0 1	0 12
W16	18 58	22 50	0n54	8 13	3 12	7 35	0 16	2 50	1 16	6 13	1 24	22 46	0 26	22 14	0 1	0 12
T 17	19 12	21 25	2 2	8 39	3 10	7 33	0 5	3 8	1 16	6 13	1 24	22 46	0 26	22 15	0 1	0 11
F 18	19 25	18 56	3 2	9 8	3 8	7 32	0s 5	3 26	1 15	6 12	1 23	22 46	0 26	22 15	0 1	0 11
S 19	19 38	15 37	3 52	9 37	3 5	7 32	0 14	3 44	1 15	6 12	1 23	22 46	0 25	22 16	0 1	0 11
S 20	19 51	11 44	4 30	10 7	3 1	7 33	0 24	4 2	1 15	6 11	1 23	22 45	0 25	22 16	0 1	0 10
M21	20 4	7 26	4 56	10 38	2 57	7 35	0 33	4 19	1 15	6 11	1 23	22 45	0 25	22 17	0 1	0 10
T 22	20 16	2 53	5 8	11 11	2 52	7 37	0 41	4 37	1 15	6 10	1 23	22 45	0 25	22 17	0 1	0 10
W23	20 28	1s44	5 8	11 44	2 47	7 41	0 50	4 55	1 14	6 9	1 22	22 44	0 25	22 18	0 1	0 10
T 24	20 39	6 19	4 54	12 18	2 41	7 45	0 58	5 13	1 14	6 8	1 22	22 44	0 25	22 18	0 1	0 9
F 25	20 51	10 41	4 27	12 52	2 35	7 50	1 6	5 30	1 14	6 7	1 22	22 44	0 25	22 19	0 0	0 9
S 26	21 1	14 41	3 48	13 27	2 28	7 56	1 13	5 48	1 14	6 6	1 22	22 43	0 25	22 19	0 0	0 9
S 27	21 12	18 7	2 59	14 3	2 20	8 2	1 20	6 5	1 14	6 5	1 21	22 43	0 25	22 19	0 0	0 9
M28	21 22	20 48	2 0	14 39	2 12	8 9	1 27	6 22	1 13	6 4	1 21	22 42	0 24	22 20	0 0	0 9
T 29	21 32	22 32	0 55	15 15	2 4	8 17	1 34	6 40	1 13	6 3	1 21	22 42	0 24	22 20	0 0	0 8
W30	21 41	23 9	0s14	15 52	1 55	8 25	1 40	6 57	1 13	6 2	1 21	22 42	0 24	22 21	0 0	0 8
T 31	21n50	22s33	1s24	16n29	1s46	8n34	1s46	7n14	1s13	6n 1	1n21	22n41	0s24	22n21	0s 0	0s 8

Julian Day Number = 2431576.5, Delta T = 27.21 sec

Ecliptic obliquity = 23°26'45, Nutation = - 0°00'18, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°58'36, Lahiri = 23°05'37



# ASTRODIENST EPHEMERIS for the year 1945

## geocentric

JUNE 1945

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 36 27	10 <sup>II</sup> 7'44	7 <sup>♂</sup> 54	23 <sup>♂</sup> 29	27 <sup>♀</sup> 8	22 <sup>♀</sup> 10	17 <sup>♂</sup> 58	9 <sup>♂</sup> 51	13 <sup>II</sup> 2	3 <sup>R</sup> 42	8 <sup>♂</sup> 17	9 <sup>♂</sup> 23	10 <sup>♂</sup> 48	22 <sup>♂</sup> 17	27 <sup>♂</sup> 0	F 1
S 2	16 40 23	11° 5'13	21°16	25°20	27°50	22°55	18° 1	9°58	13° 6	3 <sup>♂</sup> 42	8°18	9°25	10°45	22°24	27° 1	S 2
S 3	16 44 20	12° 2'40	4 <sup>♂</sup> 55	27°13	28°33	23°40	18° 5	10° 5	13° 9	3°41	8°19	9°26	10°42	22°30	27° 2	S 3
M 4	16 48 17	13° 0'08	18°51	29° 9	29°17	24°25	18° 8	10°13	13°13	3°41	8°20	9°R26	10°39	22°37	27° 3	M 4
T 5	16 52 13	13°57'34	3 <sup>♀</sup> 5	1 <sup>II</sup> 7	0 <sup>♂</sup> 2	25°10	18°12	10°20	13°16	3°41	8°21	9°25	10°36	22°44	27° 4	T 5
W 6	16 56 10	14°55'00	17°33	3° 6	0°48	25°55	18°16	10°27	13°20	3°40	8°22	9°23	10°32	22°51	27° 5	W 6
T 7	17 0 6	15°52'25	2 <sup>♂</sup> 13	5° 8	1°34	26°40	18°19	10°34	13°24	3°40	8°24	9°20	10°29	22°57	27° 6	T 7
F 8	17 4 3	16°49'50	16°58	7°12	2°22	27°24	18°24	10°42	13°27	3°40	8°25	9°17	10°26	23° 4	27° 8	F 8
S 9	17 7 59	17°47'14	1 <sup>II</sup> 41	9°18	3°10	28° 9	18°28	10°49	13°31	3°40	8°26	9°14	10°23	23°11	27° 9	S 9
S 10	17 11 56	18°44'37	16°15	11°25	3°59	28°54	18°32	10°57	13°34	3°39	8°27	9°12	10°20	23°17	27°11	S 10
M 11	17 15 52	19°42'00	0 <sup>♂</sup> 34	13°33	4°48	29°38	18°37	11° 4	13°38	3°39	8°28	9°11	10°17	23°24	27°13	M 11
T 12	17 19 49	20°39'22	14°33	15°43	5°39	0 <sup>♂</sup> 22	18°42	11°11	13°41	3°39	8°30	9°D11	10°13	23°31	27°15	T 12
W 13	17 23 46	21°36'43	28° 9	17°54	6°29	1° 7	18°47	11°19	13°45	3°39	8°31	9°11	10°10	23°38	27°17	W 13
T 14	17 27 42	22°34'03	11 <sup>♂</sup> 21	20° 5	7°21	1°51	18°52	11°26	13°48	3°39	8°32	9°13	10° 7	23°44	27°19	T 14
F 15	17 31 39	23°31'23	24°10	22°17	8°13	2°35	18°57	11°34	13°52	3°D39	8°33	9°14	10° 4	23°51	27°21	F 15
S 16	17 35 35	24°28'41	6 <sup>♂</sup> 40	24°29	9° 6	3°20	19° 2	11°42	13°55	3°39	8°35	9°15	10° 1	23°58	27°24	S 16
S 17	17 39 32	25°25'58	18°54	26°41	9°59	4° 4	19° 8	11°49	13°59	3°39	8°36	9°16	9°58	24° 4	27°26	S 17
M 18	17 43 28	26°23'15	0 <sup>♂</sup> 57	28°52	10°53	4°48	19°13	11°57	14° 2	3°39	8°37	9°R16	9°54	24°11	27°29	M 18
T 19	17 47 25	27°20'31	12°52	1 <sup>♂</sup> 3	11°47	5°32	19°19	12° 4	14° 6	3°39	8°39	9°15	9°51	24°18	27°32	T 19
W 20	17 51 21	28°17'46	24°45	3°13	12°42	6°16	19°25	12°12	14° 9	3°40	8°40	9°14	9°48	24°25	27°34	W 20
T 21	17 55 18	29°15'01	6 <sup>♂</sup> 39	5°21	13°37	7° 0	19°31	12°20	14°13	3°40	8°42	9°13	9°45	24°31	27°37	T 21
F 22	17 59 15	0 <sup>♂</sup> 12'14	18°39	7°29	14°33	7°43	19°37	12°27	14°16	3°40	8°43	9°12	9°42	24°38	27°40	F 22
S 23	18 3 11	1° 9'28	0 <sup>♂</sup> 47	9°35	15°29	8°27	19°44	12°35	14°20	3°40	8°45	9°10	9°38	24°45	27°43	S 23
S 24	18 7 8	2° 6'41	13° 7	11°39	16°26	9°11	19°50	12°43	14°23	3°40	8°46	9°10	9°35	24°52	27°47	S 24
M 25	18 11 4	3° 3'53	25°39	13°42	17°23	9°54	19°57	12°50	14°26	3°41	8°47	9° 9	9°32	24°58	27°50	M 25
T 26	18 15 1	4° 1'05	8 <sup>♂</sup> 25	15°42	18°21	10°38	20° 4	12°58	14°30	3°41	8°49	9°D 9	9°29	25° 5	27°53	T 26
W 27	18 18 57	4°58'17	21°25	17°41	19°19	11°21	20°11	13° 6	14°33	3°41	8°50	9° 9	9°26	25°12	27°57	W 27
T 28	18 22 54	5°55'29	4 <sup>♂</sup> 39	19°38	20°17	12° 5	20°18	13°14	14°36	3°42	8°52	9° 9	9°23	25°18	28° 1	T 28
F 29	18 26 50	6°52'41	18° 7	21°33	21°16	12°48	20°25	13°21	14°40	3°42	8°53	9°10	9°19	25°25	28° 4	F 29
S 30	18 30 47	7 <sup>♂</sup> 49'52	1 <sup>♂</sup> 48	23 <sup>♂</sup> 26	22 <sup>♂</sup> 15	13 <sup>♂</sup> 31	20 <sup>♂</sup> 32	13 <sup>♂</sup> 29	14 <sup>II</sup> 43	3 <sup>♂</sup> 43	8 <sup>♂</sup> 55	9 <sup>♂</sup> 10	9 <sup>♂</sup> 16	25 <sup>♂</sup> 32	28 <sup>♂</sup> 8	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	
F 1	21n58	20s43	2s30	17n 5	1s37	8n43	1s52	7n31	1s12	5n59	1n20	22n41	0s24	22n22	0s 0	F 1
S 2	22 7	17 43	3 30	17 42	1 27	8 53	1 57	7 48	1 12	5 58	1 20	22 40	0 24	22 22	0 0	S 2
S 3	22 14	13 43	4 19	18 18	1 17	9 3	2 3	8 5	1 12	5 56	1 20	22 40	0 24	22 23	0 0	S 3
M 4	22 22	8 55	4 54	18 54	1 6	9 14	2 8	8 22	1 11	5 55	1 20	22 40	0 24	22 23	0 0	M 4
T 5	22 29	3 33	5 12	19 29	0 56	9 25	2 12	8 38	1 11	5 53	1 19	22 39	0 24	22 24	0 0	T 5
W 6	22 36	2n 6	5 11	20 3	0 45	9 37	2 17	8 55	1 11	5 52	1 19	22 39	0 23	22 24	0 0	W 6
T 7	22 42	7 43	4 49	20 36	0 34	9 49	2 21	9 11	1 10	5 50	1 19	22 38	0 23	22 24	0 0	T 7
F 8	22 48	12 56	4 9	21 9	0 23	10 1	2 25	9 28	1 10	5 48	1 19	22 38	0 23	22 25	0 0	F 8
S 9	22 53	17 22	3 12	21 39	0 12	10 14	2 29	9 44	1 10	5 46	1 19	22 37	0 23	22 25	0 0	S 9
S 10	22 58	20 42	2 3	22 8	0 1	10 27	2 33	10 0	1 9	5 44	1 18	22 37	0 23	22 26	0 0	S 10
M 11	23 3	22 39	0 47	22 36	0n10	10 40	2 36	10 16	1 9	5 42	1 18	22 36	0 23	22 26	0 0	M 11
T 12	23 7	23 8	0n30	23 1	0 20	10 54	2 39	10 32	1 9	5 40	1 18	22 36	0 23	22 27	0 0	T 12
W 13	23 11	22 13	1 43	23 24	0 30	11 8	2 42	10 48	1 8	5 38	1 18	22 35	0 23	22 27	0 0	W 13
T 14	23 14	20 4	2 48	23 45	0 40	11 22	2 45	11 4	1 8	5 36	1 18	22 35	0 23	22 27	0 0	T 14
F 15	23 17	16 59	3 43	24 3	0 50	11 36	2 48	11 19	1 7	5 34	1 17	22 34	0 23	22 28	0 0	F 15
S 16	23 20	13 11	4 27	24 19	0 59	11 51	2 50	11 35	1 7	5 31	1 17	22 34	0 22	22 28	0 0	S 16
S 17	23 22	8 56	4 56	24 31	1 7	12 5	2 52	11 50	1 6	5 29	1 17	22 33	0 22	22 29	0 0	S 17
M 18	23 24	4 24	5 13	24 42	1 15	12 20	2 54	12 5	1 6	5 27	1 17	22 32	0 22	22 29	0 0	M 18
T 19	23 25	0s14	5 15	24 49	1 22	12 35	2 56	12 20	1 6	5 24	1 17	22 32	0 22	22 30	0 0	T 19
W 20	23 26	4 52	5 5	24 53	1 29	12 50	2 58	12 35	1 5	5 22	1 16	22 31	0 22	22 30	0 0	W 20
T 21	23 27	9 19	4 41	24 55	1 35	13 5	2 59	12 50	1 5	5 19	1 16	22 31	0 22	22 30	0 0	T 21
F 22	23 27	13 28	4 4	24 54	1 40	13 20	3 0	13 5	1 4	5 16	1 16	22 30	0 22	22 31	0 0	F 22
S 23	23 26	17 7	3 17	24 50	1 44	13 35	3 2	13 19	1 4	5 14	1 16	22 29	0 22	22 31	0 0	S 23
S 24	23 26	20 4	2 19	24 44	1 48	13 50	3 2	13 34	1 3	5 11	1 16	22 29	0 22	22 32	0 0	S 24
M 25	23 25	22 8	1 14	24 35	1 51	14 6	3 3	13 48	1 3	5 8	1 15	22 28	0 22	22 32	0 0	M 25
T 26	23 23	23 7	0 4	24 23	1 53	14 21	3 4	14 2	1 2	5 5	1 15	22 27	0 21	22 32	0 0	T 26
W 27	23 21	22 51	1s 7	24 10	1 54	14 36	3 4	14 16	1 2	5 3	1 15	22 27	0 21	22 33	0 0	W 27
T 28	23 19	21 19	2 17	23 54	1 55	14 51	3 5	14 30	1 1	5 0	1 15	22 26	0 21	22 33	0 0	T 28
F 29	23 16	18 34	3 20	23 37	1 55	15 6	3 5	14 43	1 1	4 57	1 15	22 25	0 21	22 34	0 0	F 29
S 30	23n13	14s45	4s12	23n17	1n54	15n21	3s 5	14n57	1s 0	4n54	1n14	22n25	0s21	22n34	0s 0	S 30

Julian Day Number = 2431607.5, Delta T = 27.25 sec

Ecliptic obliquity = 23°26'45, Nutation = - 0°00'18, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°58'40, Lahiri = 23°05'41

ASTRODIENST EPHEMERIS for the year 1945  
geocentric

JULY 1945

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 34 44	8♂47'04	15♂41	25♂16	23♂14	14♂15	20♂39	13♂37	14♂46	3♂43	8♂57	9♂R10	9♂13	25♂39	28♂12	S 1
M 2	18 38 40	9°44'16	29°43	27° 5	24°14	14°58	20°47	13°45	14°50	3°44	8°58	9♂10	9°10	25°45	28°16	M 2
T 3	18 42 37	10°41'28	13°Y53	28°52	25°14	15°41	20°55	13°53	14°53	3°44	9° 0	9°D10	9° 7	25°52	28°20	T 3
W 4	18 46 33	11°38'40	28°10	0♂36	26°15	16°24	21° 2	14° 0	14°56	3°45	9° 1	9°10	9° 4	25°59	28°24	W 4
T 5	18 50 30	12°35'53	12♂30	2°19	27°16	17° 7	21°10	14° 8	15° 0	3°46	9° 3	9°10	9° 0	26° 5	28°29	T 5
F 6	18 54 26	13°33'06	26°50	3°59	28°17	17°49	21°18	14°16	15° 3	3°46	9° 5	9°10	8°57	26°12	28°33	F 6
S 7	18 58 23	14°30'19	11♂ 6	5°37	29°18	18°32	21°26	14°24	15° 6	3°47	9° 6	9°11	8°54	26°19	28°38	S 7
S 8	19 2 19	15°27'33	25°14	7°13	0♂20	19°15	21°35	14°31	15° 9	3°48	9° 8	9°11	8°51	26°26	28°42	S 8
M 9	19 6 16	16°24'47	9♂10	8°47	1°22	19°57	21°43	14°39	15°12	3°48	9° 9	9°R11	8°48	26°32	28°47	M 9
T 10	19 10 13	17°22'01	22°52	10°19	2°24	20°40	21°51	14°47	15°15	3°49	9°11	9°11	8°44	26°39	28°52	T 10
W11	19 14 9	18°19'15	6♂16	11°49	3°26	21°22	22° 0	14°55	15°19	3°50	9°13	9°11	8°41	26°46	28°57	W11
T 12	19 18 6	19°16'30	19°21	13°16	4°29	22° 5	22° 9	15° 3	15°22	3°51	9°14	9°10	8°38	26°52	29° 2	T 12
F 13	19 22 2	20°13'44	2♂ 8	14°41	5°32	22°47	22°18	15°10	15°25	3°52	9°16	9° 8	8°35	26°59	29° 7	F 13
S 14	19 25 59	21°10'58	14°37	16° 5	6°35	23°29	22°26	15°18	15°28	3°53	9°18	9° 7	8°32	27° 6	29°12	S 14
S 15	19 29 55	22° 8'13	26°52	17°25	7°39	24°11	22°35	15°26	15°31	3°54	9°19	9° 5	8°29	27°13	29°17	S 15
M16	19 33 52	23° 5'27	8♂55	18°44	8°42	24°53	22°45	15°34	15°34	3°55	9°21	9° 4	8°25	27°19	29°22	M16
T 17	19 37 48	24° 2'42	20°51	20° 0	9°46	25°35	22°54	15°41	15°37	3°56	9°23	9°D 4	8°22	27°26	29°28	T 17
W18	19 41 45	24°59'57	2♂44	21°14	10°50	26°17	23° 3	15°49	15°40	3°57	9°25	9° 4	8°19	27°33	29°33	W18
T 19	19 45 42	25°57'12	14°39	22°26	11°55	26°59	23°13	15°57	15°43	3°58	9°26	9° 5	8°16	27°39	29°39	T 19
F 20	19 49 38	26°54'28	26°40	23°35	12°59	27°40	23°22	16° 5	15°45	3°59	9°28	9° 6	8°13	27°46	29°44	F 20
S 21	19 53 35	27°51'43	8♂52	24°41	14° 4	28°22	23°32	16°12	15°48	4° 0	9°30	9° 7	8°10	27°53	29°50	S 21
S 22	19 57 31	28°48'59	21°18	25°44	15° 9	29° 3	23°41	16°20	15°51	4° 1	9°31	9° 9	8° 6	28° 0	29°56	S 22
M23	20 1 28	29°46'16	4♂ 1	26°45	16°14	29°45	23°51	16°28	15°54	4° 2	9°33	9°R 9	8° 3	28° 6	0♂ 2	M23
T 24	20 5 24	0♂43'33	17° 3	27°43	17°19	0♂26	24° 1	16°35	15°57	4° 3	9°35	9° 9	8° 0	28°13	0° 8	T 24
W25	20 9 21	1°40'50	0♂25	28°38	18°25	1° 7	24°11	16°43	15°59	4° 5	9°37	9° 8	7°57	28°20	0°14	W25
T 26	20 13 18	2°38'08	14° 4	29°30	19°30	1°48	24°21	16°51	16° 2	4° 6	9°38	9° 6	7°54	28°26	0°20	T 26
F 27	20 17 14	3°35'27	27°59	0♂18	20°36	2°29	24°31	16°58	16° 5	4° 7	9°40	9° 3	7°50	28°33	0°26	F 27
S 28	20 21 11	4°32'47	12♂ 6	1° 3	21°42	3°10	24°41	17° 6	16° 7	4° 8	9°42	8°59	7°47	28°40	0°32	S 28
S 29	20 25 7	5°30'07	26°21	1°45	22°48	3°51	24°52	17°13	16°10	4°10	9°44	8°56	7°44	28°47	0°39	S 29
M30	20 29 4	6°27'29	10°Y40	2°22	23°55	4°31	25° 2	17°21	16°12	4°11	9°46	8°53	7°41	28°53	0°45	M30
T 31	20 33 0	7♂24'51	24°Y58	2♂56	25♂ 1	5♂12	25♂13	17♂28	16♂15	4♂12	9♂47	8♂51	7♂38	29♂ 0	0♂52	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	23n 9	10s 7	4s51	22n56	1n53	15n36	3s 5	15n10	1s 0	4n51	1n14	22n24	0s21	22n34	0s 0	0s 9
M 2	23 5	4 54	5 13	22 34	1 51	15 51	3 5	15 23	0 59	4 47	1 14	22 23	0 21	22 35	0 0	0 10
T 3	23 1	0n38	5 16	22 9	1 48	16 6	3 4	15 36	0 58	4 44	1 14	22 23	0 21	22 35	0 0	0 10
W 4	22 56	6 9	5 0	21 44	1 45	16 20	3 4	15 49	0 58	4 41	1 14	22 22	0 21	22 36	0 0	0 10
T 5	22 51	11 23	4 25	21 17	1 41	16 35	3 3	16 2	0 57	4 38	1 14	22 21	0 21	22 36	0 0	0 11
F 6	22 45	15 59	3 34	20 50	1 36	16 49	3 3	16 15	0 57	4 34	1 13	22 20	0 21	22 36	0 0	0 11
S 7	22 39	19 39	2 29	20 21	1 31	17 3	3 2	16 27	0 56	4 31	1 13	22 20	0 21	22 37	0 0	0 11
S 8	22 33	22 5	1 17	19 51	1 26	17 17	3 1	16 39	0 55	4 28	1 13	22 19	0 20	22 37	0 0	0 11
M 9	22 26	23 8	0 0	19 21	1 20	17 30	3 0	16 51	0 55	4 24	1 13	22 18	0 20	22 37	0 0	0 12
T 10	22 19	22 44	1n15	18 50	1 13	17 44	2 58	17 3	0 54	4 21	1 13	22 17	0 20	22 38	0 0	0 12
W11	22 12	21 2	2 24	18 19	1 6	17 57	2 57	17 15	0 54	4 17	1 13	22 17	0 20	22 38	0 0	0 12
T 12	22 4	18 15	3 24	17 47	0 59	18 10	2 56	17 26	0 53	4 14	1 12	22 16	0 20	22 38	0 0	0 13
F 13	21 55	14 39	4 13	17 14	0 51	18 22	2 54	17 38	0 52	4 10	1 12	22 15	0 20	22 39	0 0	0 13
S 14	21 47	10 29	4 48	16 42	0 42	18 35	2 53	17 49	0 52	4 6	1 12	22 14	0 20	22 39	0 0	0 14
S 15	21 38	5 58	5 9	16 9	0 33	18 47	2 51	18 0	0 51	4 3	1 12	22 13	0 20	22 39	0 0	0 14
M16	21 28	1 18	5 16	15 36	0 24	18 59	2 49	18 11	0 50	3 59	1 12	22 13	0 20	22 40	0 0	0 14
T 17	21 18	3s22	5 9	15 3	0 14	19 10	2 47	18 22	0 50	3 55	1 12	22 12	0 20	22 40	0 0	0 15
W18	21 8	7 53	4 49	14 30	0 4	19 21	2 45	18 32	0 49	3 51	1 12	22 11	0 20	22 40	0 0	0 15
T 19	20 58	12 8	4 17	13 57	0s 6	19 32	2 43	18 42	0 48	3 47	1 11	22 10	0 20	22 41	0 0	0 16
F 20	20 47	15 57	3 33	13 24	0 17	19 42	2 41	18 53	0 47	3 43	1 11	22 9	0 19	22 41	0n 0	0 16
S 21	20 36	19 10	2 39	12 52	0 28	19 52	2 39	19 3	0 47	3 40	1 11	22 9	0 19	22 41	0 0	0 17
S 22	20 24	21 33	1 37	12 20	0 39	20 2	2 36	19 12	0 46	3 36	1 11	22 8	0 19	22 42	0 0	0 17
M23	20 12	22 55	0 28	11 49	0 50	20 11	2 34	19 22	0 45	3 32	1 11	22 7	0 19	22 42	0 0	0 18
T 24	20 0	23 4	0s43	11 18	1 2	20 20	2 31	19 31	0 44	3 28	1 11	22 6	0 19	22 42	0 0	0 18
W25	19 47	21 56	1 54	10 48	1 14	20 28	2 29	19 41	0 44	3 23	1 11	22 5	0 19	22 43	0 0	0 19
T 26	19 35	19 29	3 0	10 18	1 26	20 36	2 26	19 50	0 43	3 19	1 10	22 4	0 19	22 43	0 0	0 19
F 27	19 21	15 52	3 57	9 50	1 38	20 44	2 23	19 58	0 42	3 15	1 10	22 3	0 19	22 43	0 0	0 20
S 28	19 8	11 19	4 40	9 22	1 51	20 51	2 21	20 7	0 41	3 11	1 10	22 2	0 19	22 43	0 0	0 20
S 29	18 54	6 7	5 6	8 56	2 3	20 57	2 18	20 16	0 41	3 7	1 10	22 2	0 19	22 44	0 0	0 21
M30	18 40	0 35	5 13	8 31	2 16	21 4	2 15	20 24	0 40	3 3	1 10	22 1	0 19	22 44	0 0	0 21
T 31	18n25	5n 0	5 s 1	8n 7	2s29	21n 9	2s12	20n32	0s39	2n58	1n10	22n 0	0s19	22n44	0n 0	0s22

Julian Day Number = 2431637.5, Delta T = 27.29 sec  
Ecliptic obliquity = 23°26'45, Nutation = - 0°00'17, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 23°58'45, Lahiri = 23°05'45



# ASTRODIENST EPHEMERIS for the year 1945

## geocentric

AUGUST 1945

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 36 57	8♂22'15	9♂12	3♂26	26♂ 8	5♂53	25♂23	17♂36	16♂17	4♂14	9♂49	8♂D51	7♂35	29♂ 7	0♂58	W 1
T 2	20 40 53	9°19'40	23°20	3°51	27°15	6°33	25°34	17°43	16°20	4°15	9°51	8♂51	7°31	29°13	1° 5	T 2
F 3	20 44 50	10°17'06	7♂12	4°12	28°22	7°13	25°44	17°51	16°22	4°17	9°53	8°53	7°28	29°20	1°11	F 3
S 4	20 48 47	11°14'34	21°12	4°29	29°29	7°54	25°55	17°58	16°25	4°18	9°54	8°54	7°25	29°27	1°18	S 4
S 5	20 52 43	12°12'03	4♂54	4°40	0♂37	8°34	26° 6	18° 5	16°27	4°20	9°56	8°R55	7°22	29°34	1°25	S 5
M 6	20 56 40	13° 9'32	18°25	4°47	1°44	9°14	26°17	18°13	16°29	4°21	9°58	8°55	7°19	29°40	1°32	M 6
T 7	21 0 36	14° 7'03	1♂43	4°R48	2°52	9°54	26°28	18°20	16°32	4°23	10° 0	8°53	7°16	29°47	1°39	T 7
W 8	21 4 33	15° 4'36	14°49	4°44	3°59	10°33	26°39	18°27	16°34	4°24	10° 1	8°49	7°12	29°54	1°46	W 8
T 9	21 8 29	16° 2'09	27°40	4°35	5° 7	11°13	26°50	18°35	16°36	4°26	10° 3	8°44	7° 9	0♂ 0	1°53	T 9
F 10	21 12 26	16°59'43	10♂18	4°20	6°15	11°52	27° 2	18°42	16°38	4°28	10° 5	8°37	7° 6	0° 7	2° 0	F 10
S 11	21 16 22	17°57'18	22°41	4° 0	7°24	12°32	27°13	18°49	16°40	4°29	10° 7	8°30	7° 3	0°14	2° 7	S 11
S 12	21 20 19	18°54'54	4♂53	3°35	8°32	13°11	27°24	18°56	16°42	4°31	10° 8	8°24	7° 0	0°21	2°14	S 12
M13	21 24 16	19°52'31	16°54	3° 4	9°40	13°50	27°36	19° 3	16°44	4°33	10°10	8°18	6°56	0°27	2°22	M13
T 14	21 28 12	20°50'09	28°49	2°29	10°49	14°30	27°47	19°10	16°46	4°34	10°12	8°14	6°53	0°34	2°29	T 14
W15	21 32 9	21°47'48	10♂40	1°49	11°57	15° 8	27°59	19°17	16°48	4°36	10°14	8°11	6°50	0°41	2°36	W15
T 16	21 36 5	22°45'28	22°33	1° 5	13° 6	15°47	28°10	19°24	16°50	4°38	10°15	8°D11	6°47	0°47	2°44	T 16
F 17	21 40 2	23°43'09	4♂33	0°18	14°15	16°26	28°22	19°31	16°52	4°40	10°17	8°11	6°44	0°54	2°51	F 17
S 18	21 43 58	24°40'52	16°45	29♂28	15°24	17° 5	28°34	19°38	16°54	4°41	10°19	8°12	6°41	1° 1	2°59	S 18
S 19	21 47 55	25°38'35	29°12	28°37	16°33	17°43	28°45	19°45	16°56	4°43	10°21	8°14	6°37	1° 8	3° 7	S 19
M20	21 51 51	26°36'20	12♂ 1	27°45	17°43	18°21	28°57	19°52	16°57	4°45	10°22	8°R14	6°34	1°14	3°14	M20
T 21	21 55 48	27°34'05	25°12	26°53	18°52	19° 0	29° 9	19°58	16°59	4°47	10°24	8°13	6°31	1°21	3°22	T 21
W22	21 59 45	28°31'52	8♂49	26° 2	20° 2	19°38	29°21	20° 5	17° 1	4°49	10°26	8° 9	6°28	1°28	3°30	W22
T 23	22 3 41	29°29'40	22°49	25°14	21°11	20°16	29°33	20°12	17° 2	4°51	10°27	8° 4	6°25	1°34	3°37	T 23
F 24	22 7 38	0♂27'30	7♂ 9	24°29	22°21	20°54	29°45	20°18	17° 4	4°53	10°29	7°56	6°21	1°41	3°45	F 24
S 25	22 11 34	1°25'21	21°44	23°48	23°31	21°31	29°57	20°25	17° 5	4°54	10°31	7°48	6°18	1°48	3°53	S 25
S 26	22 15 31	2°23'14	6♂26	23°13	24°41	22° 9	0♂ 9	20°31	17° 7	4°56	10°32	7°40	6°15	1°55	4° 1	S 26
M27	22 19 27	3°21'08	21° 8	22°43	25°51	22°46	0°21	20°38	17° 8	4°58	10°34	7°33	6°12	2° 1	4° 9	M27
T 28	22 23 24	4°19'04	5♂43	22°21	27° 1	23°24	0°33	20°44	17°10	5° 0	10°36	7°28	6° 9	2° 8	4°17	T 28
W29	22 27 20	5°17'02	20° 6	22° 6	28°11	24° 1	0°46	20°51	17°11	5° 2	10°37	7°25	6° 6	2°15	4°25	W29
T 30	22 31 17	6°15'02	4♂13	21°D59	29°22	24°38	0°58	20°57	17°12	5° 4	10°39	7°D24	6° 2	2°21	4°33	T 30
F 31	22 35 13	7♂13'04	18♂ 5	22♂ 0	0♂32	25♂15	1♂10	21♂ 3	17♂13	5♂ 6	10♂41	7♂24	5♂59	2♂28	4♂41	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	18n11	10n17	4s30	7n45	2s41	21n14	2s 9	20n40	0s38	2n54	1n10	21n59	0s18	22n45	0n 0	0s23
T 2	17 56	15 0	3 44	7 24	2 54	21 19	2 6	20 48	0 37	2 50	1 10	21 58	0 18	22 45	0 0	0 23
F 3	17 40	18 51	2 44	7 5	3 6	21 23	2 3	20 55	0 37	2 45	1 9	21 57	0 18	22 45	0 0	0 24
S 4	17 24	21 34	1 35	6 48	3 18	21 27	2 0	21 3	0 36	2 41	1 9	21 56	0 18	22 45	0 0	0 24
S 5	17 9	22 59	0 22	6 33	3 30	21 30	1 57	21 10	0 35	2 37	1 9	21 55	0 18	22 46	0 0	0 25
M 6	16 52	23 2	0n52	6 20	3 41	21 33	1 53	21 17	0 34	2 32	1 9	21 54	0 18	22 46	0 0	0 26
T 7	16 36	21 45	2 1	6 9	3 52	21 35	1 50	21 24	0 33	2 28	1 9	21 54	0 18	22 46	0 0	0 26
W 8	16 19	19 18	3 3	6 1	4 2	21 36	1 47	21 30	0 32	2 23	1 9	21 53	0 18	22 46	0 0	0 27
T 9	16 2	15 57	3 54	5 56	4 12	21 38	1 43	21 37	0 31	2 19	1 9	21 52	0 18	22 46	0 0	0 28
F 10	15 45	11 55	4 33	5 53	4 20	21 38	1 40	21 43	0 31	2 14	1 9	21 51	0 18	22 47	0 0	0 28
S 11	15 27	7 27	4 58	5 53	4 28	21 38	1 37	21 49	0 30	2 9	1 9	21 50	0 18	22 47	0 0	0 29
S 12	15 9	2 47	5 9	5 56	4 35	21 37	1 33	21 55	0 29	2 5	1 9	21 49	0 18	22 47	0 0	0 30
M13	14 51	1s56	5 6	6 2	4 40	21 36	1 30	22 0	0 28	2 0	1 8	21 48	0 18	22 47	0 0	0 30
T 14	14 33	6 32	4 50	6 10	4 44	21 34	1 26	22 6	0 27	1 56	1 8	21 47	0 18	22 48	0 0	0 31
W15	14 15	10 53	4 21	6 22	4 46	21 32	1 23	22 11	0 26	1 51	1 8	21 46	0 17	22 48	0 0	0 32
T 16	13 56	14 51	3 42	6 37	4 47	21 29	1 19	22 16	0 25	1 46	1 8	21 45	0 17	22 48	0 0	0 33
F 17	13 37	18 15	2 52	6 54	4 46	21 26	1 16	22 21	0 24	1 41	1 8	21 44	0 17	22 48	0 0	0 33
S 18	13 18	20 54	1 53	7 14	4 43	21 22	1 12	22 26	0 23	1 37	1 8	21 43	0 17	22 48	0 0	0 34
S 19	12 59	22 38	0 49	7 36	4 38	21 17	1 9	22 31	0 22	1 32	1 8	21 43	0 17	22 49	0 0	0 35
M20	12 39	23 14	0s20	8 0	4 32	21 12	1 5	22 35	0 21	1 27	1 8	21 42	0 17	22 49	0 0	0 35
T 21	12 19	22 35	1 30	8 26	4 23	21 6	1 2	22 39	0 20	1 22	1 8	21 41	0 17	22 49	0 0	0 36
W22	11 59	20 35	2 37	8 53	4 13	21 0	0 58	22 43	0 19	1 18	1 8	21 40	0 17	22 49	0 0	0 37
T 23	11 39	17 19	3 36	9 20	4 1	20 53	0 54	22 47	0 18	1 13	1 8	21 39	0 17	22 49	0 0	0 38
F 24	11 19	12 57	4 23	9 48	3 47	20 45	0 51	22 51	0 17	1 8	1 7	21 38	0 17	22 49	0 0	0 39
S 25	10 58	7 46	4 54	10 15	3 32	20 37	0 47	22 54	0 16	1 3	1 7	21 37	0 17	22 50	0 0	0 39
S 26	10 38	2 7	5 5	10 42	3 16	20 29	0 44	22 58	0 15	0 58	1 7	21 36	0 17	22 50	0 0	0 40
M27	10 17	3n39	4 57	11 8	2 59	20 19	0 40	23 1	0 14	0 53	1 7	21 35	0 17	22 50	0 0	0 41
T 28	9 56	9 12	4 29	11 32	2 41	20 10	0 37	23 4	0 13	0 48	1 7	21 34	0 17	22 50	0 0	0 42
W29	9 35	14 9	3 45	11 54	2 23	19 59	0 33	23 7	0 12	0 43	1 7	21 33	0 16	22 50	0 0	0 42
T 30	9 13	18 15	2 48	12 14	2 4	19 48	0 30	23 9	0 11	0 39	1 7	21 33	0 16	22 50	0 0	0 43
F 31	8n52	21n14	1s41	12n31	1s45	19n37	0s26	23n12	0s10	0n34	1n 7	21n32	0s16	22n50	0n 0	0s44

Julian Day Number = 2431668.5, Delta T = 27.32 sec

Ecliptic obliquity = 23°26'46, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°58'49, Lahiri = 23°05'49

ASTRODIENST EPHEMERIS for the year 1945  
geocentric

SEPTEMBER 1945

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 39 10	8♐11'08	1♌41	22♏ 9	1♌43	25♐52	1♌23	21♌ 9	17♐14	5♌ 8	10♏42	7°R25	5♌56	2♐35	4♌49	S 1
S 2	22 43 7	9° 9'14	15° 3	22°27	2°53	26°28	1°35	21°15	17°16	5°10	10°44	7♌24	5°53	2°41	4°58	S 2
M 3	22 47 3	10° 7'22	28°12	22°54	4° 4	27° 5	1°47	21°21	17°17	5°12	10°45	7°23	5°50	2°48	5° 6	M 3
T 4	22 51 0	11° 5'31	11♏ 8	23°28	5°15	27°41	2° 0	21°27	17°18	5°14	10°47	7°18	5°47	2°55	5°14	T 4
W 5	22 54 56	12° 3'43	23°54	24°11	6°26	28°17	2°12	21°33	17°19	5°17	10°49	7°11	5°43	3° 2	5°22	W 5
T 6	22 58 53	13° 1'56	6♐28	25° 2	7°37	28°53	2°25	21°39	17°20	5°19	10°50	7° 1	5°40	3° 8	5°31	T 6
F 7	23 2 49	14° 0'11	18°53	26° 0	8°48	29°29	2°38	21°45	17°20	5°21	10°52	6°50	5°37	3°15	5°39	F 7
S 8	23 6 46	14°58'27	1♌ 7	27° 5	10° 0	0♌ 5	2°50	21°51	17°21	5°23	10°53	6°37	5°34	3°22	5°48	S 8
S 9	23 10 42	15°56'46	13°12	28°17	11°11	0°40	3° 3	21°56	17°22	5°25	10°55	6°25	5°31	3°28	5°56	S 9
M10	23 14 39	16°55'06	25° 9	29°35	12°22	1°15	3°16	22° 2	17°23	5°27	10°56	6°14	5°27	3°35	6° 4	M10
T 11	23 18 36	17°53'27	7♐ 1	0♐59	13°34	1°51	3°28	22° 7	17°23	5°29	10°58	6° 5	5°24	3°42	6°13	T 11
W12	23 22 32	18°51'51	18°50	2°27	14°46	2°26	3°41	22°13	17°24	5°31	10°59	5°59	5°21	3°49	6°21	W12
T 13	23 26 29	19°50'16	0♌41	4° 0	15°57	3° 0	3°54	22°18	17°24	5°34	11° 1	5°55	5°18	3°55	6°30	T 13
F 14	23 30 25	20°48'42	12°38	5°37	17° 9	3°35	4° 6	22°24	17°25	5°36	11° 2	5°53	5°15	4° 2	6°38	F 14
S 15	23 34 22	21°47'11	24°46	7°17	18°21	4° 9	4°19	22°29	17°25	5°38	11° 3	5°D53	5°12	4° 9	6°47	S 15
S 16	23 38 18	22°45'41	7♌11	9° 0	19°33	4°44	4°32	22°34	17°26	5°40	11° 5	5°R53	5° 8	4°15	6°56	S 16
M17	23 42 15	23°44'12	19°57	10°45	20°45	5°18	4°45	22°39	17°26	5°42	11° 6	5°52	5° 5	4°22	7° 4	M17
T 18	23 46 11	24°42'45	3♌10	12°32	21°57	5°52	4°58	22°44	17°27	5°44	11° 8	5°50	5° 2	4°29	7°13	T 18
W19	23 50 8	25°41'20	16°51	14°21	23° 9	6°25	5°11	22°49	17°27	5°47	11° 9	5°45	4°59	4°35	7°22	W19
T 20	23 54 5	26°39'57	1♌ 1	16°11	24°21	6°59	5°23	22°54	17°27	5°49	11°10	5°38	4°56	4°42	7°30	T 20
F 21	23 58 1	27°38'35	15°36	18° 1	25°34	7°32	5°36	22°59	17°27	5°51	11°12	5°28	4°53	4°49	7°39	F 21
S 22	0 1 58	28°37'15	0♐31	19°52	26°46	8° 5	5°49	23° 3	17°27	5°53	11°13	5°17	4°49	4°56	7°48	S 22
S 23	0 5 54	29°35'57	15°36	21°43	27°59	8°38	6° 2	23° 8	17°R27	5°55	11°14	5° 6	4°46	5° 2	7°56	S 23
M24	0 9 51	0♌34'41	0♌42	23°33	29°11	9°11	6°15	23°12	17°27	5°58	11°15	4°56	4°43	5° 9	8° 5	M24
T 25	0 13 47	1°33'28	15°38	25°24	0♐24	9°44	6°28	23°17	17°27	6° 0	11°17	4°48	4°40	5°16	8°14	T 25
W26	0 17 44	2°32'16	0♐17	27°15	1°37	10°16	6°41	23°21	17°27	6° 2	11°18	4°43	4°37	5°22	8°22	W26
T 27	0 21 40	3°31'07	14°35	29° 5	2°49	10°48	6°54	23°25	17°27	6° 4	11°19	4°41	4°33	5°29	8°31	T 27
F 28	0 25 37	4°30'00	28°30	0♌54	4° 2	11°20	7° 7	23°29	17°27	6° 7	11°20	4°40	4°30	5°36	8°40	F 28
S 29	0 29 34	5°28'56	12♌ 2	2°43	5°15	11°52	7°20	23°34	17°26	6° 9	11°21	4°40	4°27	5°43	8°49	S 29
S 30	0 33 30	6♌27'54	25♌14	4♌31	6♐28	12♌23	7♌33	23♌38	17♐26	6♌11	11♏22	4♌39	4♌24	5♐49	8♌57	S 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8n30	22n56	0s31	12n46	1s27	19n25	0s23	23n14	0s 9	0n29	1n 7	21n31	0s16	22n50	0n 0	S 1
S 2	8 8	23 16	0n41	12 57	1 8	19 12	0 19	23 16	0 8	0 24	1 7	21 30	0 16	22 51	0 0	S 2
M 3	7 47	22 18	1 48	13 6	0 51	18 59	0 16	23 18	0 7	0 19	1 7	21 29	0 16	22 51	0 0	M 3
T 4	7 24	20 9	2 49	13 11	0 33	18 46	0 12	23 20	0 5	0 14	1 7	21 28	0 16	22 51	0 0	T 4
W 5	7 2	17 2	3 41	13 12	0 17	18 32	0 9	23 22	0 4	0 9	1 7	21 27	0 16	22 51	0 0	W 5
T 6	6 40	13 10	4 20	13 10	0 1	18 17	0 6	23 23	0 3	0 4	1 7	21 27	0 16	22 51	0 0	T 6
F 7	6 18	8 48	4 47	13 4	0n14	18 2	0 2	23 25	0 2	0s 1	1 7	21 26	0 16	22 51	0 0	F 7
S 8	5 55	4 9	5 0	12 55	0 28	17 46	0n 1	23 26	0 1	0 7	1 7	21 25	0 16	22 51	0 0	S 8
S 9	5 33	0s37	5 0	12 42	0 40	17 30	0 4	23 27	0n 0	0 12	1 7	21 24	0 16	22 51	0 0	S 9
M10	5 10	5 18	4 46	12 26	0 52	17 13	0 8	23 28	0 1	0 17	1 7	21 23	0 16	22 51	0 0	M10
T 11	4 47	9 46	4 19	12 7	1 3	16 56	0 11	23 29	0 3	0 22	1 7	21 22	0 16	22 51	0 1	T 11
W12	4 24	13 52	3 42	11 44	1 12	16 38	0 14	23 29	0 4	0 27	1 6	21 22	0 15	22 51	0 1	W12
T 13	4 2	17 27	2 55	11 18	1 21	16 20	0 17	23 30	0 5	0 32	1 6	21 21	0 15	22 52	0 1	T 13
F 14	3 39	20 20	2 0	10 49	1 28	16 1	0 20	23 30	0 6	0 37	1 6	21 20	0 15	22 52	0 1	F 14
S 15	3 16	22 22	0 59	10 18	1 34	15 42	0 23	23 30	0 8	0 42	1 6	21 19	0 15	22 52	0 1	S 15
S 16	2 52	23 22	0s 7	9 44	1 39	15 22	0 26	23 30	0 9	0 47	1 6	21 18	0 15	22 52	0 1	S 16
M17	2 29	23 11	1 14	9 8	1 43	15 2	0 29	23 30	0 10	0 52	1 6	21 18	0 15	22 52	0 1	M17
T 18	2 6	21 43	2 19	8 30	1 46	14 42	0 32	23 30	0 11	0 57	1 6	21 17	0 15	22 52	0 1	T 18
W19	1 43	18 57	3 18	7 50	1 49	14 21	0 35	23 30	0 13	1 3	1 6	21 16	0 15	22 52	0 1	W19
T 20	1 20	14 59	4 8	7 9	1 50	14 0	0 38	23 30	0 14	1 8	1 6	21 15	0 15	22 52	0 1	T 20
F 21	0 56	10 1	4 43	6 26	1 51	13 38	0 40	23 29	0 15	1 13	1 6	21 15	0 15	22 52	0 1	F 21
S 22	0 33	4 22	4 59	5 42	1 50	13 16	0 43	23 28	0 16	1 18	1 6	21 14	0 15	22 52	0 1	S 22
S 23	0 10	1n36	4 55	4 58	1 49	12 54	0 46	23 28	0 18	1 23	1 6	21 13	0 15	22 52	0 1	S 23
M24	0s14	7 29	4 31	4 13	1 48	12 31	0 48	23 27	0 19	1 28	1 6	21 13	0 15	22 52	0 1	M24
T 25	0 37	12 53	3 48	3 27	1 46	12 8	0 51	23 26	0 20	1 33	1 6	21 12	0 15	22 52	0 1	T 25
W26	1 1	17 26	2 51	2 40	1 43	11 44	0 53	23 25	0 22	1 38	1 6	21 11	0 15	22 52	0 1	W26
T 27	1 24	20 50	1 44	1 54	1 40	11 20	0 56	23 24	0 23	1 44	1 6	21 11	0 14	22 52	0 1	T 27
F 28	1 47	22 54	0 33	1 7	1 36	10 56	0 58	23 22	0 25	1 49	1 6	21 10	0 14	22 52	0 1	F 28
S 29	2 11	23 33	0n39	0 20	1 32	10 31	1 0	23 21	0 26	1 54	1 6	21 9	0 14	22 52	0 1	S 29
S 30	2s34	22n50	1n46	0s27	1n28	10n 6	1n 2	23n19	0n27	1s59	1n 6	21n 9	0s14	22n52	0n 1	S 30

Julian Day Number = 2431699.5, Delta T = 27.36 sec  
Ecliptic obliquity = 23°26'46, Nutation = - 0°00'16, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 23°58'53, Lahiri = 23°05'54

# ASTRODIENST EPHEMERIS for the year 1945

## geocentric

OCTOBER 1945

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 37 27	7♂26°54	8♂10	6♂18	7♂41	12♂54	7♂46	23♂41	17°R26	6♂13	11♂24	4°R37	4♂21	5♂56	9♂6	M 1	
T 2	0 41 23	8°25'56	20°51	8° 5	8°55	13°25	7°59	23°45	17II25	6°16	11°25	4♂31	4°18	6° 3	9°15	T 2	
W 3	0 45 20	9°25'01	3♂20	9°51	10° 8	13°56	8°12	23°49	17°25	6°18	11°26	4°23	4°14	6° 9	9°24	W 3	
T 4	0 49 16	10°24'08	15°39	11°36	11°21	14°27	8°25	23°53	17°24	6°20	11°27	4°12	4°11	6°16	9°32	T 4	
F 5	0 53 13	11°23'17	27°51	13°20	12°34	14°57	8°38	23°56	17°24	6°22	11°28	3°59	4° 8	6°23	9°41	F 5	
S 6	0 57 9	12°22'28	9♂55	15° 3	13°48	15°27	8°51	24° 0	17°23	6°24	11°29	3°45	4° 5	6°29	9°50	S 6	
S 7	1 1 6	13°21'41	21°52	16°46	15° 1	15°57	9° 4	24° 3	17°22	6°27	11°30	3°30	4° 2	6°36	9°59	S 7	
M 8	1 5 2	14°20'56	3♂45	18°28	16°15	16°26	9°17	24° 6	17°22	6°29	11°31	3°18	3°58	6°43	10° 7	M 8	
T 9	1 8 59	15°20'13	15°35	20° 9	17°28	16°55	9°30	24° 9	17°21	6°31	11°32	3° 7	3°55	6°50	10°16	T 9	
W10	1 12 56	16°19'32	27°24	21°49	18°42	17°24	9°43	24°12	17°20	6°33	11°33	2°59	3°52	6°56	10°25	W10	
T 11	1 16 52	17°18'53	9♂14	23°28	19°56	17°53	9°56	24°15	17°19	6°36	11°34	2°54	3°49	7° 3	10°34	T 11	
F 12	1 20 49	18°18'15	21°10	25° 7	21°10	18°21	10° 8	24°18	17°18	6°38	11°34	2°52	3°46	7°10	10°42	F 12	
S 13	1 24 45	19°17'40	3♂17	26°45	22°23	18°49	10°21	24°21	17°17	6°40	11°35	2°D51	3°43	7°16	10°51	S 13	
S 14	1 28 42	20°17'06	15°38	28°23	23°37	19°17	10°34	24°23	17°16	6°42	11°36	2°R51	3°39	7°23	11° 0	S 14	
M15	1 32 38	21°16'34	28°20	29°59	24°51	19°44	10°47	24°26	17°15	6°44	11°37	2°51	3°36	7°30	11° 8	M15	
T 16	1 36 35	22°16'04	11♂26	1♂35	26° 5	20°12	11° 0	24°28	17°14	6°46	11°38	2°50	3°33	7°36	11°17	T 16	
W17	1 40 31	23°15'36	25° 2	3°10	27°19	20°38	11°13	24°31	17°13	6°49	11°38	2°46	3°30	7°43	11°26	W17	
T 18	1 44 28	24°15'09	9♂14	4°45	28°33	21° 5	11°26	24°33	17°12	6°51	11°39	2°40	3°27	7°50	11°34	T 18	
F 19	1 48 25	25°14'44	23°42	6°19	29°47	21°31	11°39	24°35	17°10	6°53	11°40	2°31	3°24	7°57	11°43	F 19	
S 20	1 52 21	26°14'21	8°Y41	7°52	1♂ 1	21°57	11°51	24°37	17° 9	6°55	11°40	2°22	3°20	8° 3	11°52	S 20	
S 21	1 56 18	27°13'59	23°56	9°25	2°16	22°22	12° 4	24°39	17° 8	6°57	11°41	2°12	3°17	8°10	12° 0	S 21	
M22	2 0 14	28°13'40	9♂15	10°57	3°30	22°48	12°17	24°41	17° 6	6°59	11°42	2° 3	3°14	8°17	12° 9	M22	
T 23	2 4 11	29°13'23	24°28	12°29	4°44	23°12	12°30	24°42	17° 5	7° 1	11°42	1°56	3°11	8°23	12°17	T 23	
W24	2 8 7	0♂13'08	9II25	14° 0	5°58	23°37	12°42	24°44	17° 3	7° 4	11°43	1°51	3° 8	8°30	12°26	W24	
T 25	2 12 4	1°12'55	23°58	15°31	7°13	24° 1	12°55	24°45	17° 2	7° 6	11°43	1°49	3° 4	8°37	12°34	T 25	
F 26	2 16 0	2°12'45	8♂ 4	17° 1	8°27	24°25	13° 8	24°47	17° 0	7° 8	11°44	1°D49	3° 1	8°43	12°43	F 26	
S 27	2 19 57	3°12'36	21°43	18°30	9°42	24°48	13°20	24°48	16°59	7°10	11°44	1°50	2°58	8°50	12°51	S 27	
S 28	2 23 54	4°12'30	4♂58	19°59	10°56	25°11	13°33	24°49	16°57	7°12	11°45	1°R50	2°55	8°57	13° 0	S 28	
M29	2 27 50	5°12'26	17°50	21°27	12°11	25°34	13°45	24°50	16°55	7°14	11°45	1°50	2°52	9° 3	13° 8	M29	
T 30	2 31 47	6°12'25	0♂25	22°55	13°25	25°56	13°58	24°51	16°54	7°16	11°46	1°47	2°49	9°10	13°17	T 30	
W31	2 35 43	7♂12'25	12♂45	24♂22	14♂40	26♂18	14♂10	24♂52	16II52	7♂18	11♂46	1♂41	2♂45	9♂17	13♂25	W31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	2s57	20n55	2n47	1s14	1n23	9n41	1n 5	23n18	0n29	2s 4	1n 6	21n 8	0s14	22n52	0n 1	1s11	1n24
T 2	3 21	17 59	3 38	2 1	1 18	9 16	1 7	23 16	0 30	2 9	1 6	21 8	0 14	22 52	0 1	1 12	1 24
W 3	3 44	14 17	4 18	2 47	1 13	8 50	1 9	23 15	0 32	2 14	1 6	21 7	0 14	22 52	0 1	1 12	1 24
T 4	4 7	10 1	4 44	3 33	1 7	8 24	1 11	23 13	0 33	2 19	1 6	21 6	0 14	22 52	0 1	1 13	1 24
F 5	4 30	5 25	4 58	4 19	1 1	7 58	1 12	23 11	0 35	2 24	1 6	21 6	0 14	22 52	0 1	1 14	1 24
S 6	4 53	0 39	4 58	5 5	0 55	7 31	1 14	23 9	0 36	2 30	1 6	21 5	0 14	22 52	0 1	1 15	1 25
S 7	5 17	4s 7	4 45	5 50	0 49	7 4	1 16	23 7	0 38	2 35	1 6	21 5	0 14	22 52	0 1	1 16	1 25
M 8	5 40	8 42	4 19	6 35	0 43	6 37	1 18	23 5	0 39	2 40	1 6	21 4	0 14	22 52	0 1	1 17	1 25
T 9	6 2	12 58	3 42	7 19	0 36	6 10	1 19	23 3	0 41	2 45	1 6	21 4	0 14	22 51	0 1	1 18	1 25
W10	6 25	16 44	2 56	8 3	0 30	5 43	1 21	23 1	0 42	2 50	1 6	21 3	0 14	22 51	0 1	1 19	1 25
T 11	6 48	19 50	2 2	8 46	0 23	5 15	1 22	22 59	0 44	2 55	1 6	21 3	0 13	22 51	0 1	1 19	1 25
F 12	7 11	22 8	1 2	9 28	0 16	4 47	1 24	22 57	0 46	3 0	1 6	21 3	0 13	22 51	0 1	1 20	1 25
S 13	7 33	23 27	0s 2	10 10	0 10	4 19	1 25	22 54	0 47	3 5	1 6	21 2	0 13	22 51	0 1	1 21	1 25
S 14	7 56	23 39	1 7	10 51	0 3	3 51	1 26	22 52	0 49	3 10	1 6	21 2	0 13	22 51	0 1	1 22	1 25
M15	8 18	22 38	2 11	11 32	0s 4	3 23	1 27	22 50	0 51	3 15	1 6	21 1	0 13	22 51	0 1	1 23	1 25
T 16	8 40	20 24	3 10	12 12	0 11	2 55	1 28	22 47	0 52	3 20	1 7	21 1	0 13	22 51	0 1	1 24	1 25
W17	9 2	16 57	4 0	12 51	0 18	2 26	1 29	22 45	0 54	3 25	1 7	21 1	0 13	22 51	0 1	1 24	1 25
T 18	9 24	12 26	4 38	13 30	0 25	1 58	1 30	22 43	0 56	3 30	1 7	21 0	0 13	22 51	0 1	1 25	1 25
F 19	9 46	7 5	4 59	14 8	0 32	1 29	1 31	22 40	0 57	3 35	1 7	21 0	0 13	22 51	0 1	1 26	1 25
S 20	10 8	1 10	5 1	14 45	0 38	1 0	1 32	22 38	0 59	3 40	1 7	21 0	0 13	22 50	0 1	1 27	1 25
S 21	10 29	4n55	4 42	15 21	0 45	0 31	1 33	22 35	1 1	3 45	1 7	21 0	0 13	22 50	0 1	1 28	1 25
M22	10 51	10 45	4 2	15 56	0 52	0 2	1 33	22 33	1 3	3 50	1 7	20 59	0 13	22 50	0 1	1 29	1 25
T 23	11 12	15 54	3 5	16 31	0 59	0s27	1 34	22 31	1 4	3 55	1 7	20 59	0 13	22 50	0 1	1 29	1 25
W24	11 33	19 57	1 57	17 5	1 5	0 56	1 34	22 28	1 6	4 0	1 7	20 59	0 13	22 50	0 1	1 30	1 25
T 25	11 54	22 37	0 42	17 38	1 12	1 25	1 35	22 26	1 8	4 4	1 7	20 59	0 12	22 50	0 1	1 31	1 25
F 26	12 15	23 45	0n33	18 10	1 18	1 54	1 35	22 23	1 10	4 9	1 7	20 58	0 12	22 50	0 1	1 32	1 25
S 27	12 35	23 25	1 44	18 41	1 24	2 23	1 35	22 21	1 12	4 14	1 7	20 58	0 12	22 50	0 1	1 33	1 25
S 28	12 56	21 45	2 48	19 11	1 30	2 52	1 36	22 19	1 14	4 19	1 7	20 58	0 12	22 49	0 1	1 33	1 25
M29	13 16	18 59	3 41	19 41	1 36	3 21	1 36	22 17	1 16	4 24	1 7	20 58	0 12	22 49	0 1	1 34	1 25
T 30	13 36	15 24	4 22	20 9	1 42	3 50	1 36	22 14	1 18	4 29	1 7	20 58	0 12	22 49	0 1	1 35	1 25
W31	13s55	11n14	4n49	20s36	1s48	4s19	1n36	22n12	1n20	4s33	1n 7	20n58	0s12	22n49	0n 1	1s36	1n25

Julian Day Number = 2431729.5, Delta T = 27.40 sec  
 Ecliptic obliquity = 23°26'47", Nutation = - 0°00'17", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 23°58'57", Lahiri = 23°05'58"

ASTRODIENST EPHEMERIS for the year 1945  
geocentric

NOVEMBER 1945

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 39 40	8♈12'27	24♏55	25♈48	15♏55	26♏39	14♏23	24♏52	16°R50	7♏20	11♏46	1°R34	2♏42	9♈24	13♏33	T 1
F 2	2 43 36	9°12'32	6♏56	27°14	17° 9	27° 0	14°35	24°53	16♈48	7°22	11°47	1♏24	2°39	9°30	13°42	F 2
S 3	2 47 33	10°12'38	18°52	28°39	18°24	27°20	14°47	24°53	16°46	7°24	11°47	1°14	2°36	9°37	13°50	S 3
S 4	2 51 29	11°12'46	0♈45	0♏ 3	19°39	27°40	15° 0	24°54	16°45	7°26	11°47	1° 4	2°33	9°44	13°58	S 4
M 5	2 55 26	12°12'57	12°35	1°27	20°54	27°59	15°12	24°54	16°43	7°28	11°48	0°54	2°30	9°50	14° 6	M 5
T 6	2 59 23	13°13'09	24°25	2°49	22° 8	28°19	15°24	24°54	16°41	7°30	11°48	0°47	2°26	9°57	14°14	T 6
W 7	3 3 19	14°13'23	6♏17	4°11	23°23	28°37	15°36	24°R54	16°39	7°31	11°48	0°41	2°23	10° 4	14°22	W 7
T 8	3 7 16	15°13'38	18°12	5°32	24°38	28°55	15°49	24°54	16°37	7°33	11°48	0°38	2°20	10°10	14°30	T 8
F 9	3 11 12	16°13'55	0♏12	6°52	25°53	29°13	16° 1	24°54	16°35	7°35	11°48	0°D37	2°17	10°17	14°38	F 9
S 10	3 15 9	17°14'14	12°23	8°10	27° 8	29°30	16°13	24°53	16°32	7°37	11°48	0°38	2°14	10°24	14°46	S 10
S 11	3 19 5	18°14'35	24°46	9°27	28°23	29°46	16°25	24°53	16°30	7°39	11°48	0°39	2°10	10°31	14°54	S 11
M12	3 23 2	19°14'56	7♏27	10°43	29°38	0♏ 2	16°37	24°52	16°28	7°41	11°48	0°41	2° 7	10°37	15° 2	M12
T 13	3 26 58	20°15'19	20°28	11°57	0♈53	0°17	16°48	24°52	16°26	7°42	11°R48	0°R41	2° 4	10°44	15°10	T 13
W14	3 30 55	21°15'44	3♏55	13° 9	2° 8	0°32	17° 0	24°51	16°24	7°44	11°48	0°41	2° 1	10°51	15°18	W14
T 15	3 34 52	22°16'09	17°49	14°19	3°23	0°46	17°12	24°50	16°21	7°46	11°48	0°38	1°58	10°57	15°25	T 15
F 16	3 38 48	23°16'36	2°V11	15°27	4°38	1° 0	17°24	24°49	16°19	7°47	11°48	0°34	1°55	11° 4	15°33	F 16
S 17	3 42 45	24°17'04	16°57	16°32	5°53	1°13	17°35	24°48	16°17	7°49	11°48	0°29	1°51	11°11	15°41	S 17
S 18	3 46 41	25°17'34	2♏ 2	17°33	7° 8	1°26	17°47	24°47	16°15	7°51	11°48	0°24	1°48	11°17	15°48	S 18
M19	3 50 38	26°18'05	17°16	18°32	8°23	1°37	17°58	24°45	16°12	7°52	11°48	0°19	1°45	11°24	15°56	M19
T 20	3 54 34	27°18'38	2♈30	19°26	9°38	1°49	18°10	24°44	16°10	7°54	11°48	0°15	1°42	11°31	16° 3	T 20
W21	3 58 31	28°19'12	17°34	20°16	10°54	1°59	18°21	24°42	16° 8	7°56	11°48	0°13	1°39	11°37	16°11	W21
T 22	4 2 27	29°19'48	2♏17	21° 1	12° 9	2° 9	18°33	24°41	16° 5	7°57	11°47	0°D12	1°36	11°44	16°18	T 22
F 23	4 6 24	0♏20'25	16°36	21°41	13°24	2°19	18°44	24°39	16° 3	7°59	11°47	0°13	1°32	11°51	16°25	F 23
S 24	4 10 21	1°21'04	0♏27	22°14	14°39	2°27	18°55	24°37	16° 0	8° 0	11°47	0°14	1°29	11°58	16°33	S 24
S 25	4 14 17	2°21'44	13°51	22°40	15°54	2°35	19° 6	24°35	15°58	8° 2	11°46	0°16	1°26	12° 4	16°40	S 25
M26	4 18 14	3°22'27	26°49	22°58	17°10	2°42	19°17	24°33	15°55	8° 3	11°46	0°17	1°23	12°11	16°47	M26
T 27	4 22 10	4°23'10	9♏26	23°R 7	18°25	2°49	19°28	24°31	15°53	8° 5	11°46	0°R17	1°20	12°18	16°54	T 27
W28	4 26 7	5°23'56	21°45	23° 7	19°40	2°55	19°39	24°29	15°50	8° 6	11°45	0°16	1°16	12°24	17° 1	W28
T 29	4 30 3	6°24'42	3♏52	22°57	20°56	3° 0	19°50	24°26	15°48	8° 7	11°45	0°14	1°13	12°31	17° 8	T 29
F 30	4 34 0	7♏25'31	15♏49	22♏36	22♈11	3♏ 4	20♏ 0	24♏24	15♈45	8♏ 9	11♏45	0♏10	1♏10	12♈38	17♏15	F 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s15	6n40	5n 4	21s 3	1s53	4s47	1n36	22n10	1n22	4s38	1n 7	20n58	0s12	22n49	0n 1	1s36	1n25	23n13	6n12	23n26	23n25	10s42	7s 8	1s56	
F 2	14 34	1 54	5 4	21 28	1 58	5 16	1 35	22 8	1 24	4 43	1 7	20 58	0 12	22 49	0 1	1 37	1 25	23 13	6 13	23 26	23 25	10 45	7 11	1 56	
S 3	14 53	2s54	4 52	21 52	2 3	5 45	1 35	22 6	1 26	4 48	1 8	20 58	0 12	22 48	0 1	1 38	1 25	23 13	6 13	23 26	23 25	10 48	7 14	1 56	
S 4	15 12	7 35	4 26	22 15	2 8	6 13	1 35	22 4	1 28	4 52	1 8	20 58	0 12	22 48	0 1	1 39	1 25	23 13	6 13	23 27	23 25	10 50	7 17	1 56	
M 5	15 30	11 58	3 49	22 37	2 13	6 42	1 34	22 2	1 30	4 57	1 8	20 58	0 12	22 48	0 1	1 39	1 25	23 13	6 13	23 27	23 25	10 53	7 20	1 55	
T 6	15 49	15 56	3 3	22 58	2 17	7 10	1 34	22 0	1 32	5 2	1 8	20 58	0 12	22 48	0 1	1 40	1 25	23 14	6 14	23 27	23 25	10 55	7 23	1 55	
W 7	16 7	19 16	2 8	23 18	2 21	7 38	1 33	21 59	1 34	5 6	1 8	20 58	0 11	22 48	0 1	1 41	1 25	23 14	6 14	23 27	23 25	10 58	7 26	1 55	
T 8	16 24	21 49	1 7	23 36	2 24	8 6	1 33	21 57	1 36	5 11	1 8	20 58	0 11	22 47	0 1	1 42	1 25	23 14	6 14	23 27	23 26	11 1	7 29	1 55	
F 9	16 42	23 25	0 2	23 53	2 28	8 34	1 32	21 56	1 38	5 15	1 8	20 58	0 11	22 47	0 1	1 42	1 25	23 14	6 14	23 27	23 26	11 3	7 32	1 55	
S 10	16 59	23 55	1s 3	24 9	2 31	9 2	1 31	21 54	1 41	5 20	1 8	20 58	0 11	22 47	0 1	1 43	1 25	23 14	6 14	23 27	23 26	11 6	7 35	1 55	
S 11	17 16	23 16	2 7	24 24	2 33	9 29	1 31	21 53	1 43	5 24	1 8	20 59	0 11	22 47	0 1	1 44	1 25	23 15	6 15	23 27	23 26	11 8	7 38	1 54	
M12	17 33	21 25	3 7	24 37	2 35	9 57	1 30	21 52	1 45	5 29	1 8	20 59	0 11	22 47	0 1	1 44	1 25	23 15	6 15	23 27	23 26	11 11	7 41	1 54	
T 13	17 49	18 26	3 58	24 49	2 37	10 24	1 29	21 51	1 47	5 33	1 8	20 59	0 11	22 46	0 1	1 45	1 25	23 15	6 15	23 27	23 26	11 13	7 44	1 54	
W14	18 5	14 23	4 38	24 59	2 38	10 51	1 28	21 50	1 50	5 38	1 8	20 59	0 11	22 46	0 1	1 46	1 26	23 15	6 15	23 27	23 26	11 16	7 46	1 54	
T 15	18 21	9 28	5 3	25 9	2 38	11 17	1 27	21 49	1 52	5 42	1 9	20 59	0 11	22 46	0 1	1 46	1 26	23 16	6 16	23 27	23 26	11 19	7 49	1 54	
F 16	18 36	3 53	5 11	25 16	2 38	11 43	1 26	21 48	1 54	5 46	1 9	21 0	0 11	22 46	0 1	1 47	1 26	23 16	6 16	23 27	23 26	11 21	7 52	1 53	
S 17	18 51	2n 4	4 58	25 22	2 37	12 10	1 24	21 48	1 57	5 51	1 9	21 0	0 11	22 46	0 1	1 47	1 26	23 16	6 16	23 27	23 26	11 24	7 55	1 53	
S 18	19 6	8 2	4 25	25 27	2 36	12 35	1 23	21 47	1 59	5 55	1 9	21 0	0 11	22 45	0 1	1 48	1 26	23 16	6 16	23 27	23 26	11 26	7 58	1 53	
M19	19 20	13 35	3 33	25 30	2 33	13 1	1 22	21 47	2 2	5 59	1 9	21 1	0 10	22 45	0 1	1 49	1 26	23 17	6 17	23 27	23 26	11 29	8 0	1 53	
T 20	19 34	18 17	2 26	25 31	2 30	13 26	1 21	21 47	2 4	6 4	1 9	21 1	0 10	22 45	0 1	1 49	1 26	23 17	6 17	23 27	23 26	11 31	8 3	1 53	
W21	19 47	21 43	1 9	25 31	2 26	13 51	1 19	21 47	2 7	6 8	1 9	21 1	0 10	22 45	0 1	1 50	1 26	23 17	6 17	23 27	23 26	11 34	8 6	1 53	
T 22	20 1	23 37	0n11	25 29	2 21	14 15	1 18	21 47	2 9	6 12	1 9	21 2	0 10	22 44	0 1	1 50	1 26	23 17	6 17	23 27	23 26	11 37	8 9	1 52	
F 23	20 14	23 53	1 29	25 26	2 15	14 39	1 16	21 47	2 12	6 16	1 9	21 2	0 10	22 44	0 1	1 51	1 26	23 18	6 18	23 27	23 26	11 39	8 11	1 52	
S 24	20 26	22 38	2 38	25 21	2 8	15 3	1 15	21 48	2 14	6 20	1 10	21 2	0 10	22 44	0 1	1 52	1 26	23 18	6 18	23 27	23 26	11 42	8 14	1 52	
S 25	20 38	20 8	3 37	25 14	1 59	15 26	1 13	21 48	2 17	6 24	1 10	21 3	0 10	22 44	0 1	1 52	1 26	23 18	6 18	23 27	23 26	11 44	8 16	1 52	
M26	20 50	16 41	4 22	25 5	1 49	15 49	1 11	21 49	2 19	6 28	1 10	21 3	0 10	22 43	0 1	1 53	1 26	23 19	6 18	23 27	23 26	11 47	8 19	1 52	
T 27	21 2	12 34	4 54	24 54	1 38	16 12	1 10	21 50	2 22	6 32	1 10	21 4	0 10	22 43	0 1	1 53	1 26	23 19	6 19	23 27	23 26	11 49	8 22	1 52	
W28	21 13	8 2	5 11	24 41	1 25	16 34	1 8	21 52	2 25	6 36	1 10	21 4	0 10	22 43	0 1	1 54	1 26	23 19	6 19	23 27	23 26	11 52	8 24	1 52	
T 29	21 23	3 16	5 14	24 26	1 11	16 56	1 6	21 53	2 27	6 40	1 10	21 5	0 10	22 43	0 1	1 54	1 26	23 20	6 19	23 27	23 26	11 55	8 27	1 51	
F 30	21s33	1s34	5n 3	24s10	0s55	17s17	1n 4	21n55	2n30	6s44	1n10	21n 5	0s 9	22n42	0n 1	1s55	1n26	23n20	6n19	23n27	23n26	11s57	8s29	1s51	

# ASTRODIENST EPHEMERIS for the year 1945

## geocentric

DECEMBER 1945

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 37 56	8°26'20	27°40	22°R 4	23°M.26	3°Ω 8	20°Δ11	24°R21	15°R43	8°Δ10	11°R44	0°R 7	1°Ω 7	12°M.44	17°Δ21	S 1
S 2	4 41 53	9°27'11	9°M.30	21°R.21	24°42	3°10	20°21	24°Ω18	15°M.40	8°11	11°Ω44	0°Ω 3	1° 4	12°51	17°28	S 2
M 3	4 45 50	10°28'03	21°20	20°28	25°57	3°12	20°32	24°16	15°38	8°13	11°43	29°M.59	1° 1	12°58	17°35	M 3
T 4	4 49 46	11°28'57	3°R.14	19°24	27°12	3°13	20°42	24°13	15°35	8°14	11°42	29°57	0°57	13° 4	17°41	T 4
W 5	4 53 43	12°29'52	15°12	18°13	28°28	3°R14	20°52	24°10	15°33	8°15	11°42	29°55	0°54	13°11	17°48	W 5
T 6	4 57 39	13°30'48	27°16	16°55	29°43	3°13	21° 3	24° 7	15°30	8°16	11°41	29°D55	0°51	13°18	17°54	T 6
F 7	5 1 36	14°31'44	9°Ω29	15°33	0°R.59	3°12	21°13	24° 4	15°28	8°17	11°41	29°55	0°48	13°24	18° 0	F 7
S 8	5 5 32	15°32'42	21°52	14°10	2°14	3°10	21°23	24° 0	15°25	8°19	11°40	29°56	0°45	13°31	18° 7	S 8
S 9	5 9 29	16°33'40	4°Ω27	12°49	3°29	3° 7	21°33	23°57	15°23	8°20	11°39	29°57	0°42	13°38	18°13	S 9
M10	5 13 25	17°34'39	17°16	11°32	4°45	3° 3	21°42	23°54	15°20	8°21	11°39	29°58	0°38	13°45	18°19	M10
T 11	5 17 22	18°35'39	0°R.22	10°22	6° 0	2°59	21°52	23°50	15°17	8°22	11°38	29°59	0°35	13°51	18°25	T 11
W12	5 21 19	19°36'39	13°47	9°20	7°16	2°53	22° 2	23°47	15°15	8°23	11°37	29°R59	0°32	13°58	18°31	W12
T 13	5 25 15	20°37'40	27°32	8°28	8°31	2°47	22°11	23°43	15°12	8°24	11°36	29°59	0°29	14° 5	18°37	T 13
F 14	5 29 12	21°38'41	11°R.37	7°48	9°46	2°40	22°20	23°39	15°10	8°25	11°36	29°59	0°26	14°11	18°42	F 14
S 15	5 33 8	22°39'42	26° 3	7°18	11° 2	2°32	22°30	23°35	15° 7	8°26	11°35	29°58	0°22	14°18	18°48	S 15
S 16	5 37 5	23°40'44	10°R.44	7° 0	12°17	2°23	22°39	23°31	15° 5	8°26	11°34	29°58	0°19	14°25	18°54	S 16
M17	5 41 1	24°41'47	25°37	6°D52	13°33	2°14	22°48	23°28	15° 2	8°27	11°33	29°57	0°16	14°31	18°59	M17
T 18	5 44 58	25°42'50	10°M.33	6°54	14°48	2° 3	22°57	23°23	15° 0	8°28	11°32	29°57	0°13	14°38	19° 5	T 18
W19	5 48 55	26°43'53	25°25	7° 6	16° 4	1°52	23° 5	23°19	14°57	8°29	11°31	29°D56	0°10	14°45	19°10	W19
T 20	5 52 51	27°44'57	10°Ω 5	7°26	17°19	1°40	23°14	23°15	14°55	8°30	11°30	29°56	0° 7	14°51	19°15	T 20
F 21	5 56 48	28°46'02	24°25	7°55	18°35	1°27	23°23	23°11	14°52	8°30	11°29	29°57	0° 3	14°58	19°20	F 21
S 22	6 0 44	29°47'07	8°Ω23	8°30	19°50	1°13	23°31	23° 7	14°50	8°31	11°29	29°R57	0° 0	15° 5	19°25	S 22
S 23	6 4 41	0°Ω48'13	21°55	9°11	21° 6	0°59	23°39	23° 2	14°48	8°32	11°28	29°57	29°M.57	15°11	19°30	S 23
M24	6 8 37	1°49'20	5°M. 1	9°58	22°21	0°44	23°48	22°58	14°45	8°32	11°27	29°56	29°54	15°18	19°35	M24
T 25	6 12 34	2°50'27	17°44	10°50	23°36	0°28	23°56	22°54	14°43	8°33	11°26	29°56	29°51	15°25	19°40	T 25
W26	6 16 30	3°51'34	0°Δ 8	11°46	24°52	0°11	24° 4	22°49	14°40	8°33	11°24	29°D56	29°48	15°32	19°44	W26
T 27	6 20 27	4°52'43	12°16	12°46	26° 7	29°Ω53	24°11	22°44	14°38	8°34	11°23	29°56	29°44	15°38	19°49	T 27
F 28	6 24 24	5°53'51	24°13	13°49	27°23	29°35	24°19	22°40	14°36	8°34	11°22	29°56	29°41	15°45	19°53	F 28
S 29	6 28 20	6°55'01	6°M. 3	14°56	28°38	29°17	24°27	22°35	14°33	8°35	11°21	29°57	29°38	15°52	19°58	S 29
S 30	6 32 17	7°56'10	17°53	16° 5	29°54	28°57	24°34	22°31	14°31	8°35	11°20	29°58	29°35	15°58	20° 2	S 30
M31	6 36 13	8°57'20	29°M.44	17°R.16	1°Ω 9	28°Ω37	24°Δ41	22°Ω26	14°M.29	8°Δ35	11°Ω19	29°M.59	29°M.32	16°M. 5	20°Δ 6	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	21s43	6s18	4n39	23s51	0s38	17s38	1n 2	21n56	2n33	6s48	1n11	21n 6	0s 9	22n42	0n 1	S 1
S 2	21 52	10 49	4 3	23 30	0 20	17 58	1 0	21 58	2 35	6 52	1 11	21 6	0 9	22 42	0 1	S 2
M 3	22 1 14	56 3	17 23	7	0 1	18 18	0 58	22 1	2 38	6 56	1 11	21 7	0 9	22 42	0 1	M 3
T 4	22 10 18	29 2	22 42	0n19	18 38	0 56	22 3	2 41	6 59	1 11	21 8	0 9	22 41	0 1	1 57	T 4
W 5	22 18 21	17 1	20 22	16	0 40	18 57	0 54	22 5	2 44	7 3	1 11	21 8	0 9	22 41	0 1	W 5
T 6	22 26 23	10 0	15 21	48	1 0	19 15	0 52	22 8	2 46	7 7	1 11	21 9	0 9	22 41	0 1	T 6
F 7	22 33 23	59 0	s53	21 21	1 20	19 33	0 50	22 11	2 49	7 10	1 11	21 10	0 9	22 41	0 1	F 7
S 8	22 40 23	37 1	59 20	53	1 38	19 50	0 48	22 14	2 52	7 14	1 12	21 10	0 9	22 40	0 1	S 8
S 9	22 46 22	4 3	0 20	26	1 55	20 7	0 46	22 18	2 55	7 18	1 12	21 11	0 9	22 40	0 1	S 9
M10	22 52 19	22 3	53 20	2	2 10	20 23	0 43	22 21	2 58	7 21	1 12	21 12	0 9	22 40	0 1	M10
T 11	22 57 15	39 4	36 19	39	2 23	20 38	0 41	22 25	3 0	7 25	1 12	21 12	0 8	22 39	0 1	T 11
W12	23 2 11	4 5	5 19	20	2 33	20 53	0 39	22 29	3 3	7 28	1 12	21 13	0 8	22 39	0 1	W12
T 13	23 7 5	50 5	17 19	4	2 41	21 8	0 37	22 33	3 6	7 31	1 12	21 14	0 8	22 39	0 1	T 13
F 14	23 11 0	10 5	11 18	52	2 47	21 21	0 34	22 38	3 9	7 35	1 12	21 14	0 8	22 39	0 1	F 14
S 15	23 15 5n38	4 45	18 43	2 51	21 35	0 32	22 42	3 11	7 38	1 13	21 15	0 8	22 38	0 1	2 1	S 15
S 16	23 18 11	14 4	1 18	38	2 53	21 47	0 30	22 47	3 14	7 41	1 13	21 16	0 8	22 38	0 1	S 16
M17	23 20 16	16 2	59 18	37	2 53	21 59	0 27	22 52	3 17	7 44	1 13	21 17	0 8	22 38	0 2	M17
T 18	23 23 20	18 1	46 18	39	2 52	22 10	0 25	22 57	3 20	7 47	1 13	21 17	0 8	22 38	0 2	T 18
W19	23 24 22	57 0	25 18	43	2 49	22 21	0 22	23 2	3 22	7 51	1 13	21 18	0 8	22 37	0 2	W19
T 20	23 26 24	0	5n56	18 51	2 45	22 31	0 20	23 8	3 25	7 54	1 14	21 19	0 8	22 37	0 2	T 20
F 21	23 26 23	24 2	12 19	0	2 40	22 40	0 18	23 13	3 28	7 57	1 14	21 20	0 7	22 37	0 2	F 21
S 22	23 27 21	21 3	18 19	11	2 35	22 48	0 15	23 19	3 31	8 0	1 14	21 21	0 7	22 37	0 2	S 22
S 23	23 27 18	9 4	10 19	23	2 28	22 56	0 13	23 25	3 33	8 2	1 14	21 22	0 7	22 36	0 2	S 23
M24	23 26 14	8 4	4 48	19	2 22	23 3	0 10	23 30	3 36	8 5	1 14	21 22	0 7	22 36	0 2	M24
T 25	23 25 9	36 5	10 19	52	2 14	23 10	0 8	23 36	3 38	8 8	1 14	21 23	0 7	22 36	0 2	T 25
W26	23 23 4	48 5	18 20	7	2 7	23 15	0 5	23 43	3 41	8 11	1 15	21 24	0 7	22 35	0 2	W26
T 27	23 21 0s 5	5 10	20 22	1	1 59	23 20	0 3	23 49	3 43	8 13	1 15	21 25	0 7	22 35	0 2	T 27
F 28	23 19 4	54 4	50 20	38	1 51	23 25	0 1	23 55	3 45	8 16	1 15	21 26	0 7	22 35	0 2	F 28
S 29	23 16 9	30 4	17 20	54	1 42	23 28	0s 2	24 1	3 48	8 19	1 15	21 27	0 7	22 35	0 2	S 29
S 30	23 12 13	45 3	33 21	10	1 34	23 31	0 4	24 7	3 50	8 21	1 15	21 28	0 7	22 34	0 2	S 30
M31	23s 9	17s29	2n40	21s25	1n26	23s33	0s 7	24n14	3n52	8s24	1n16	21n28	0s 6	22n34	0n 2	M31

Julian Day Number = 2431790.5, Delta T = 27.47 sec  
 Ecliptic obliquity = 23°26'46, Nutation = - 0°00'18, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 23°59'06, Lahiri = 23°06'06