



Astrodienst Ephemeris Tables for the year 1949

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 1949
geocentric

JANUARY 1949

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	6 41 15	10♌15'18	28♌54	21♌22	14♌33	27♌4	10♌22	6°R 0	28°R 3	15♌6	16°R 8	2°R22	1♌26	18♌18	4♌7	S 1
S 2	6 45 12	11°16'29	11♌18	22°59	15°48	27°51	10°36	5♌58	28♌1	15°7	16♌7	2♌10	1°23	18°24	4°14	S 2
M 3	6 49 8	12°17'40	23°30	24°36	17°3	28°38	10°50	5°56	27°58	15°7	16°6	1°58	1°20	18°31	4°21	M 3
T 4	6 53 5	13°18'51	5♌30	26°12	18°18	29°25	11°4	5°54	27°56	15°8	16°5	1°50	1°17	18°38	4°27	T 4
W 5	6 57 1	14°20'01	17°22	27°49	19°33	0♌12	11°18	5°52	27°53	15°8	16°3	1°44	1°14	18°44	4°34	W 5
T 6	7 0 58	15°21'11	29°11	29°25	20°48	0°59	11°32	5°50	27°51	15°9	16°2	1°40	1°10	18°51	4°40	T 6
F 7	7 4 54	16°22'21	11♌0	1♌0	22°2	1°46	11°46	5°48	27°48	15°9	16°1	1°39	1°7	18°58	4°47	F 7
S 8	7 8 51	17°23'30	22°56	2°34	23°17	2°33	12°0	5°46	27°46	15°9	16°0	1°D39	1°4	19°4	4°53	S 8
S 9	7 12 47	18°24'39	5♌4	4°8	24°32	3°21	12°14	5°43	27°44	15°10	15°59	1°R39	1°1	19°11	5°0	S 9
M10	7 16 44	19°25'48	17°29	5°40	25°47	4°8	12°27	5°41	27°41	15°10	15°57	1°38	0°58	19°18	5°6	M10
T 11	7 20 41	20°26'56	0♌16	7°10	27°2	4°55	12°41	5°38	27°39	15°10	15°56	1°35	0°55	19°24	5°12	T 11
W12	7 24 37	21°28'03	13°29	8°39	28°17	5°42	12°55	5°36	27°37	15°10	15°55	1°29	0°51	19°31	5°18	W12
T 13	7 28 34	22°29'10	27°8	10°5	29°32	6°29	13°9	5°33	27°34	15°10	15°54	1°21	0°48	19°38	5°25	T 13
F 14	7 32 30	23°30'16	11♌13	11°28	0♌47	7°17	13°23	5°30	27°32	15°10	15°52	1°10	0°45	19°45	5°31	F 14
S 15	7 36 27	24°31'22	25°39	12°47	2°2	8°4	13°37	5°27	27°30	15°11	15°51	0°58	0°42	19°51	5°37	S 15
S 16	7 40 23	25°32'27	10♌21	14°3	3°17	8°51	13°50	5°24	27°28	15°R11	15°50	0°46	0°39	19°58	5°43	S 16
M17	7 44 20	26°33'32	25°9	15°14	4°32	9°38	14°4	5°21	27°26	15°11	15°48	0°35	0°36	20°5	5°48	M17
T 18	7 48 16	27°34'37	9♌55	16°19	5°47	10°26	14°18	5°17	27°24	15°11	15°47	0°26	0°32	20°11	5°54	T 18
W19	7 52 13	28°35'41	24°33	17°18	7°2	11°13	14°32	5°14	27°21	15°10	15°46	0°21	0°29	20°18	6°0	W19
T 20	7 56 10	29°36'44	8♌56	18°10	8°17	12°0	14°45	5°11	27°19	15°10	15°44	0°18	0°26	20°25	6°6	T 20
F 21	8 0 6	0♌37'48	23°3	18°54	9°32	12°48	14°59	5°7	27°17	15°10	15°43	0°17	0°23	20°31	6°11	F 21
S 22	8 4 3	1°38'51	6♌53	19°29	10°47	13°35	15°13	5°4	27°15	15°10	15°42	0°17	0°20	20°38	6°17	S 22
S 23	8 7 59	2°39'53	20°27	19°54	12°2	14°23	15°26	5°0	27°13	15°10	15°40	0°16	0°16	20°45	6°22	S 23
M24	8 11 56	3°40'56	3♌47	20°9	13°17	15°10	15°40	4°56	27°11	15°10	15°39	0°14	0°13	20°51	6°28	M24
T 25	8 15 52	4°41'57	16°54	20°R13	14°32	15°57	15°53	4°53	27°9	15°9	15°37	0°8	0°10	20°58	6°33	T 25
W26	8 19 49	5°42'59	29°48	20°5	15°47	16°45	16°7	4°49	27°8	15°9	15°36	29°Y59	0°7	21°5	6°38	W26
T 27	8 23 45	6°43'59	12♌33	19°46	17°2	17°32	16°21	4°45	27°6	15°9	15°35	29°49	0°4	21°11	6°43	T 27
F 28	8 27 42	7°44'59	25°6	19°16	18°17	18°20	16°34	4°41	27°4	15°8	15°33	29°35	0°1	21°18	6°48	F 28
S 29	8 31 39	8°45'57	7♌30	18°35	19°32	19°7	16°47	4°37	27°2	15°8	15°32	29°21	29°Y57	21°25	6°53	S 29
S 30	8 35 35	9°46'55	19°43	17°45	20°47	19°55	17°1	4°33	27°1	15°7	15°30	29°6	29°54	21°31	6°58	S 30
M31	8 39 32	10♌47'52	1♌47	16♌46	22♌2	20♌42	17♌14	4♌28	26♌I59	15♌7	15♌29	28°Y54	29°Y51	21♌38	7♌3	M31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	lat
S 1	23s 3	25s18	5s 1	23s53	2s10	21s32	1n 1	21s50	1s 6	23s 3	0s 1	10n50	1n38	23n39	0n13	4s31	1n34	23n24	7n46	12n18	11n59	7s52	17s38	3n24										
S 2	22 58	22 10	4 58	23 36	2 9	21 43	0 59	21 41	1 6	23 2	0 1	10 50	1 38	23 39	0 13	4 31	1 34	23 24	7 46	12 14	11 58	7 49	17 39	3 24										
M 3	22 53	18 7	4 41	23 18	2 7	21 53	0 57	21 31	1 6	23 1	0 1	10 51	1 38	23 39	0 13	4 31	1 34	23 25	7 46	12 10	11 57	7 46	17 40	3 25										
T 4	22 47	13 24	4 12	22 58	2 6	22 2	0 54	21 22	1 6	23 0	0 1	10 52	1 38	23 38	0 13	4 31	1 34	23 25	7 46	12 7	11 55	7 43	17 41	3 25										
W 5	22 41	8 15	3 32	22 37	2 3	22 11	0 52	21 12	1 6	22 59	0 1	10 53	1 39	23 38	0 13	4 31	1 34	23 26	7 46	12 5	11 54	7 39	17 42	3 25										
T 6	22 34	2 49	2 43	22 14	2 0	22 19	0 49	21 1	1 6	22 58	0 1	10 54	1 39	23 38	0 13	4 31	1 34	23 27	7 47	12 3	11 53	7 36	17 42	3 26										
F 7	22 27	2n43	1 47	21 50	1 56	22 26	0 47	20 51	1 6	22 57	0 1	10 55	1 39	23 38	0 13	4 31	1 34	23 27	7 47	12 3	11 52	7 33	17 43	3 26										
S 8	22 19	8 12	0 46	21 25	1 52	22 33	0 44	20 40	1 6	22 56	0 1	10 56	1 39	23 38	0 13	4 31	1 34	23 28	7 47	12 3	11 51	7 30	17 44	3 27										
S 9	22 11	13 30	0n18	20 58	1 47	22 39	0 42	20 29	1 6	22 54	0 1	10 57	1 39	23 38	0 13	4 31	1 34	23 28	7 47	12 3	11 50	7 27	17 44	3 27										
M10	22 2	18 23	1 23	20 30	1 41	22 44	0 39	20 18	1 6	22 53	0 1	10 59	1 40	23 38	0 13	4 31	1 34	23 29	7 47	12 3	11 49	7 23	17 45	3 28										
T 11	21 53	22 35	2 25	20 1	1 34	22 49	0 36	20 7	1 6	22 52	0 1	11 0	1 40	23 38	0 13	4 31	1 34	23 29	7 47	12 2	11 48	7 20	17 46	3 28										
W12	21 44	25 46	3 22	19 30	1 27	22 53	0 34	19 55	1 6	22 51	0 2	11 1	1 40	23 38	0 13	4 31	1 34	23 30	7 48	12 0	11 47	7 17	17 46	3 29										
T 13	21 34	27 34	4 9	18 59	1 19	22 56	0 31	19 44	1 6	22 50	0 2	11 2	1 40	23 38	0 13	4 31	1 35	23 30	7 48	11 57	11 45	7 14	17 47	3 29										
F 14	21 24	27 40	4 42	18 28	1 9	22 58	0 28	19 32	1 6	22 48	0 2	11 3	1 41	23 38	0 13	4 31	1 35	23 31	7 48	11 53	11 44	7 10	17 48	3 29										
S 15	21 13	25 55	4 59	17 56	0 59	23 0	0 26	19 19	1 6	22 47	0 2	11 5	1 41	23 38	0 13	4 31	1 35	23 31	7 48	11 49	11 43	7 7	17 48	3 30										
S 16	21 2	22 24	4 56	17 23	0 48	23 1	0 23	19 7	1 6	22 46	0 2	11 6	1 41	23 38	0 13	4 31	1 35	23 32	7 48	11 45	11 42	7 4	17 49	3 30										
M17	20 51	17 26	4 33	16 51	0 36	23 2	0 20	18 54	1 6	22 44	0 2	11 7	1 41	23 38	0 13	4 31	1 35	23 33	7 48	11 41	11 41	7 1	17 49	3 31										
T 18	20 39	11 26	3 52	16 19	0 23	23 2	0 18	18 42	1 6	22 43	0 2	11 9	1 41	23 38	0 13	4 31	1 35	23 33	7 49	11 38	11 40	6 57	17 50	3 31										
W19	20 27	4 52	2 57	15 48	0 9	23 1	0 15	18 28	1 6	22 42	0 2	11 10	1 42	23 38	0 13	4 31	1 35	23 34	7 49	11 36	11 39	6 54	17 50	3 32										
T 20	20 14	1s51	1 50	15 18	0n 6	22 59	0 12	18 15	1 6	22 40	0 2	11 12	1 42	23 38	0 13	4 31	1 35	23 34	7 49	11 35	11 38	6 51	17 51	3 32										
F 21	20 1	8 22	0 38	14 50	0 21	22 57	0 10	18 2	1 6	22 39	0 2	11 13	1 42	23 38	0 13	4 31	1 35	23 35	7 49	11 35	11 37	6 48	17 51	3 33										
S 22	19 48	14 22	0s35	14 23	0 38	22 53	0 7	17 48	1 6	22 37	0 3	11 15	1 42	23 38	0 13	4 31	1 35	23 35	7 49	11 35	11 35	6 44	17 52	3 33										
S 23	19 34	19 33	1 44	13 59	0 55	22 50	0 5	17 34	1 6	22 36	0 3	11 16	1 42	23 38	0 13	4 31	1 35	23 36	7 49	11 34	11 34	6 41	17 52	3 34										
M24	19 20	23 39	2 47	13 38	1 12	22 45	0 2	17 20	1 6	22 34	0 3	11 18	1 43	23 38	0 13	4 31	1 35	23 36	7 49	11 33	11 33	6 38	17 52	3 34										
T 25	19 6	26 26	3 39	13 19	1 30	22 40	0s 1	17 6	1 6	22 33	0 3	11 19	1 43	23 38	0 13	4 30	1 35	23 37	7 50	11 32	11 32	6 35	17 53	3 35										
W26	18 51	27 47	4 20	13 5	1 48	22 34	0 3	16 52	1 5	22 31	0 3	11 21	1 43	23 38	0 13	4 30	1 35	23 38	7 50	11 29	11 31	6 31	17 53	3 35										
T 27	18 36	27 37	4 46	12 54	2 6	22 28	0 6	16 37	1 5	22 30	0 3	11 22	1 43	23 38	0 13	4 30	1 35	23 38	7 50	11 25	11 30	6 28	17 53	3 36										
F 28	18 20	26 1	4 59	12 47	2 23	22 20	0 9	16 22	1 5	22 28	0 3	11 24	1 43	23 38	0 13	4 30	1 35	23 39	7 50	11 20	11 29	6 25	17 54	3 37										
S 29	18 5	23 11	4 57	12 44	2 39	22 13	0 11	16 8	1 5	22 27	0 3	11 26	1 43	23 38	0 13	4 30	1 35	23 39	7 50	11 15	11 28	6 21	17 54	3 37										
S 30	17 48	19 21	4 41	12 46	2 54	22 4	0 14	15 52	1 5	22 25	0 3	11 27	1 44	23 38	0 13	4 29	1 36	23 40	7 50	11 10	11 27	6 18	17 54	3 38										
M31	17s32	14s46	4s13	12s51	3n 7	21s55	0s16	15s37	1s 5	22s24	0s 3	11n29	1n44	23n37	0n13	4s29	1n36	23n40	7n50	11n 5	11n25	6s15	17s55	3n38										

ASTRODIENST EPHEMERIS for the year 1949
geocentric

FEBRUARY 1949

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 43 28	11°48'47"	13°43'	15°R40	23°17'	21°30'	17°28'	4°R24	26°R57	15°R 6	15°R27	28°R43	29°Y48	21°K45	7°K 8	T 1
W 2	8 47 25	12°49'41"	25°33'	14°30'	24°32'	22°17'	17°41'	4°M20	26°II56	15°6	15°Q26	28°Y36	29°45	21°51	7°13	W 2
T 3	8 51 21	13°50'34"	7°Y20	13°17'	25°47'	23° 4'	17°54'	4°16	26°54	15° 5	15°25	28°31	29°42	21°58	7°17	T 3
F 4	8 55 18	14°51'26"	19° 8'	12° 4'	27° 2'	23°52	18° 7'	4°11	26°53	15° 5	15°23	28°29	29°38	22° 5	7°22	F 4
S 5	8 59 14	15°52'16"	1°8 1	10°52'	28°17'	24°39'	18°20'	4° 7'	26°51	15° 4	15°22	28°D29	29°35	22°11	7°26	S 5
S 6	9 3 11	16°53'05"	13° 6'	9°43'	29°32'	25°27'	18°34'	4° 2'	26°50	15° 3	15°20	28°R29	29°32	22°18	7°31	S 6
M 7	9 7 8	17°53'52"	25°27'	8°39'	0°47'	26°14'	18°47'	3°58	26°48	15° 3	15°19	28°29	29°29	22°25	7°35	M 7
T 8	9 11 4	18°54'38"	8°II10	7°42'	2° 2'	27° 2'	19° 0'	3°53	26°47	15° 2	15°17	28°27	29°26	22°31	7°39	T 8
W 9	9 15 1	19°55'22"	21°19'	6°51'	3°17'	27°49'	19°13'	3°48	26°46	15° 1	15°16	28°23	29°22	22°38	7°43	W 9
T 10	9 18 57	20°56'05"	4°58	6° 8'	4°32'	28°37'	19°26'	3°44	26°45	15° 0	15°15	28°16	29°19	22°45	7°47	T 10
F 11	9 22 54	21°56'46"	19° 6'	5°34'	5°46'	29°24'	19°38'	3°39	26°43	15° 0	15°13	28° 8'	29°16	22°51	7°51	F 11
S 12	9 26 50	22°57'26"	3°Q41	5° 7'	7° 1'	0°K12	19°51'	3°34	26°42	14°59	15°12	27°58	29°13	22°58	7°55	S 12
S 13	9 30 47	23°58'04"	18°36'	4°48'	8°16'	0°59'	20° 4'	3°30	26°41	14°58	15°10	27°47	29°10	23° 5	7°58	S 13
M14	9 34 43	24°58'41"	3°M44	4°37'	9°31'	1°47'	20°17'	3°25	26°40	14°57	15° 9	27°38	29° 7	23°11	8° 2	M14
T 15	9 38 40	25°59'16"	18°53'	4°D33	10°46'	2°34'	20°29'	3°20	26°39	14°56	15° 8	27°31	29° 3	23°18	8° 6	T 15
W16	9 42 37	26°59'49"	3°54	4°37'	12° 1'	3°21'	20°42'	3°15	26°38	14°55	15° 6	27°26	29° 0	23°25	8° 9	W16
T 17	9 46 33	28° 0'22"	18°39'	4°47'	13°16'	4° 9'	20°54'	3°11	26°37	14°54	15° 5	27°24	28°57	23°31	8°12	T 17
F 18	9 50 30	29° 0'53"	3°M 2	5° 4'	14°31'	4°56'	21° 7'	3° 6	26°37	14°53	15° 3	27°D24	28°54	23°38	8°16	F 18
S 19	9 54 26	0°K 1'23"	17° 2'	5°26'	15°46'	5°44'	21°19'	3° 1	26°36	14°52	15° 2	27°24	28°51	23°45	8°19	S 19
S 20	9 58 23	1° 1'52"	0°K40	5°53'	17° 1'	6°31'	21°32'	2°56	26°35	14°51	15° 1	27°R25	28°48	23°52	8°22	S 20
M21	10 2 19	2° 2'19"	13°56'	6°26'	18°16'	7°18'	21°44'	2°51	26°34	14°50	14°59	27°24	28°44	23°58	8°25	M21
T 22	10 6 16	3° 2'46"	26°53'	7° 3'	19°31'	8° 6'	21°56'	2°46	26°34	14°49	14°58	27°21	28°41	24° 5	8°28	T 22
W23	10 10 12	4° 3'10"	9°35	7°45'	20°46'	8°53'	22° 8'	2°42	26°33	14°48	14°57	27°16	28°38	24°12	8°30	W23
T 24	10 14 9	5° 3'34"	22° 4'	8°30'	22° 1'	9°40'	22°20'	2°37	26°33	14°47	14°55	27° 9	28°35	24°18	8°33	T 24
F 25	10 18 6	6° 3'56"	4°K22	9°19'	23°16'	10°28'	22°32'	2°32	26°32	14°45	14°54	27° 0	28°32	24°25	8°36	F 25
S 26	10 22 2	7° 4'16"	16°32'	10°11'	24°30'	11°15'	22°44'	2°27	26°32	14°44	14°53	26°50	28°28	24°32	8°38	S 26
S 27	10 25 59	8° 4'34"	28°33'	11° 7'	25°45'	12° 2'	22°56'	2°22	26°31	14°43	14°51	26°40	28°25	24°38	8°40	S 27
M28	10 29 55	9°K 4'51"	10°K29	12°5	27°5	12°K50	23°3 7	2°M18	26°II31	14°42	14°50	26°Y31	28°Y22	24°K45	8°K43	M28

Day	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	17s15	9s41	3s33	12s59	3n18	21s45	0s19	15s22	1s 5	22s22	0s 4	11n31	1n44	23n37	0n13	4s29	1n36	23n41	7n50	11n 1	11n24	6s12	17s55	3n39	4s29
W 2	16 58	4 18	2 45	13 11	3 27	21 34	0 21	15 6	1 4	22 20	0 4	11 32	1 44	23 37	0 13	4 29	1 36	23 41	7 50	10 59	11 23	6 8	17 55	3 39	4 29
T 3	16 41	1n14	1 50	13 25	3 34	21 23	0 24	14 51	1 4	22 19	0 4	11 34	1 44	23 37	0 13	4 28	1 36	23 42	7 50	10 57	11 22	6 5	17 55	3 40	4 28
F 4	16 23	6 44	0 49	13 41	3 38	21 11	0 26	14 35	1 4	22 17	0 4	11 36	1 44	23 37	0 13	4 28	1 36	23 42	7 51	10 56	11 21	6 2	17 55	3 40	4 28
S 5	16 5	12 3	0n14	13 59	3 40	20 59	0 28	14 19	1 4	22 15	0 4	11 38	1 45	23 37	0 13	4 28	1 36	23 43	7 51	10 56	11 20	5 58	17 56	3 41	4 27
S 6	15 47	17 0	1 17	14 18	3 39	20 45	0 31	14 3	1 4	22 14	0 4	11 40	1 45	23 37	0 13	4 28	1 36	23 43	7 51	10 56	11 19	5 55	17 56	3 42	4 26
M 7	15 28	21 22	2 18	14 37	3 36	20 32	0 33	13 46	1 4	22 12	0 4	11 41	1 45	23 37	0 13	4 27	1 36	23 44	7 51	10 56	11 18	5 52	17 56	3 42	4 25
T 8	15 10	24 53	3 15	14 57	3 32	20 17	0 35	13 30	1 3	22 10	0 4	11 43	1 45	23 37	0 13	4 27	1 36	23 44	7 51	10 56	11 16	5 49	17 56	3 43	4 24
W 9	14 51	27 12	4 3	15 16	3 25	20 2	0 38	13 13	1 3	22 9	0 4	11 45	1 45	23 37	0 13	4 27	1 36	23 45	7 51	10 54	11 15	5 45	17 56	3 43	4 23
T 10	14 31	28 0	4 39	15 34	3 17	19 47	0 40	12 57	1 3	22 7	0 4	11 47	1 45	23 37	0 13	4 26	1 36	23 45	7 51	10 52	11 14	5 42	17 56	3 44	4 22
F 11	14 12	27 2	4 59	15 51	3 7	19 31	0 42	12 40	1 3	22 5	0 5	11 49	1 45	23 37	0 13	4 26	1 36	23 46	7 51	10 49	11 13	5 39	17 56	3 44	4 21
S 12	13 52	24 13	5 2	16 8	2 57	19 14	0 44	12 23	1 3	22 3	0 5	11 50	1 46	23 37	0 13	4 25	1 36	23 46	7 51	10 45	11 12	5 35	17 56	3 45	4 20
S 13	13 32	19 45	4 44	16 23	2 46	18 57	0 46	12 6	1 2	22 2	0 5	11 52	1 46	23 37	0 13	4 25	1 36	23 47	7 51	10 41	11 11	5 32	17 56	3 46	4 19
M14	13 12	13 57	4 6	16 37	2 34	18 39	0 48	11 49	1 2	22 0	0 5	11 54	1 46	23 37	0 13	4 25	1 36	23 47	7 51	10 38	11 10	5 29	17 56	3 46	4 18
T 15	12 52	7 19	3 10	16 50	2 22	18 21	0 50	11 31	1 2	21 58	0 5	11 56	1 46	23 37	0 13	4 24	1 36	23 48	7 51	10 36	11 9	5 26	17 56	3 47	4 17
W16	12 31	0 19	2 2	17 1	2 10	18 2	0 52	11 14	1 2	21 56	0 5	11 58	1 46	23 37	0 13	4 24	1 36	23 48	7 51	10 34	11 7	5 22	17 56	3 47	4 16
T 17	12 10	6s35	0 47	17 11	1 57	17 43	0 54	10 57	1 1	21 54	0 5	12 0	1 46	23 37	0 13	4 23	1 36	23 49	7 51	10 33	11 6	5 19	17 56	3 48	4 15
F 18	11 49	13 0	0s30	17 19	1 45	17 23	0 56	10 39	1 1	21 53	0 5	12 1	1 46	23 37	0 13	4 23	1 37	23 49	7 51	10 33	11 5	5 16	17 56	3 49	4 14
S 19	11 28	18 35	1 43	17 26	1 32	17 2	0 58	10 21	1 1	21 51	0 5	12 3	1 46	23 37	0 13	4 23	1 37	23 49	7 51	10 33	11 4	5 12	17 56	3 49	4 13
S 20	11 7	23 2	2 48	17 31	1 20	16 41	1 0	10 4	1 0	21 49	0 6	12 5	1 46	23 37	0 13	4 22	1 37	23 50	7 51	10 33	11 3	5 9	17 55	3 50	4 12
M21	10 45	26 10	3 43	17 35	1 8	16 20	1 2	9 46	1 0	21 47	0 6	12 7	1 46	23 37	0 13	4 22	1 37	23 50	7 51	10 33	11 2	5 6	17 55	3 50	4 11
T 22	10 23	27 49	4 24	17 37	0 55	15 58	1 3	9 28	1 0	21 45	0 6	12 9	1 47	23 37	0 13	4 21	1 37	23 51	7 51	10 32	11 1	5 2	17 55	3 51	4 10
W23	10 2	27 57	4 52	17 38	0 44	15 36	1 5	9 10	1 0	21 44	0 6	12 11	1 47	23 37	0 13	4 21	1 37	23 51	7 51	10 30	11 0	4 59	17 55	3 52	4 9
T 24	9 40	26 39	5 5	17 38	0 32	15 13	1 6	8 52	0 59	21 42	0 6	12 12	1 47	23 37	0 13	4 20	1 37	23 52	7 51	10 28	10 58	4 56	17 55	3 52	4 8
F 25	9 17	24 5	5 4	17 35	0 21	14 50	1 8	8 33	0 59	21 40	0 6	12 14	1 47	23 37	0 13	4 20	1 37	23 52	7 51	10 24	10 57	4 52	17 55	3 53	4 7
S 26	8 55	20 28	4 48	17 32	0 10	14 27	1 9	8 15	0 59	21 38	0 6	12 16	1 47	23 37	0 13	4 19	1 37	23 52	7 51	10 21	10 56	4 49	17 54	3 54	4 6
S 27	8 33	16 3	4 21	17 27	0s 0	14 3	1 11	7 57	0 58	21 36	0 6	12 18	1 47	23 37	0 13	4 19	1 37	23 53	7 51	10 17	10 55	4 46	17 54	3 54	4 5
M28	8s10	11s 3	3s41	17s21	0s11	13s39	1s12	7s38	0s58	21s34	0s 6	12n20	1n47	23n37	0n13	4s18	1n37	23n53	7n51	10n14	10n54	4s42	17s54	3n55	4s41

Julian Day Number = 2432948.5, Delta T = 28.60 sec
Ecliptic obliquity = 23°26'53", Nutation = - 0°00'07", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°01'45", Lahiri = 23°08'45"

ASTRODIENST EPHEMERIS for the year 1949

geocentric

MARCH 1949

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 33 52	10° 5'06	22° 20'	13° 6'	28° 15'	13° 37'	23° 19'	2° 13'	26° 31'	14° 40'	14° 49'	26° 24'	28° 19'	24° 52'	8° 45'	T 1
W 2	10 37 48	11° 5'19	4° 8'	14° 10'	29° 30'	14° 24'	23° 31'	2° 8'	26° 31'	14° 39'	14° 47'	26° 19'	28° 16'	24° 58'	8° 47'	W 2
T 3	10 41 45	12° 5'30	15° 55'	15° 16'	0° 45'	15° 11'	23° 42'	2° 3'	26° 31'	14° 38'	14° 46'	26° 16'	28° 13'	25° 5'	8° 49'	T 3
F 4	10 45 41	13° 5'40	27° 45'	16° 24'	2° 0'	15° 59'	23° 54'	1° 58'	26° 30'	14° 36'	14° 45'	26° 16'	28° 9'	25° 12'	8° 51'	F 4
S 5	10 49 38	14° 5'47	9° 40'	17° 34'	3° 14'	16° 46'	24° 5'	1° 54'	26° 30'	14° 35'	14° 44'	26° 16'	28° 6'	25° 18'	8° 52'	S 5
S 6	10 53 35	15° 5'52	21° 46'	18° 46'	4° 29'	17° 33'	24° 16'	1° 49'	26° 30'	14° 34'	14° 43'	26° 18'	28° 3'	25° 25'	8° 54'	S 6
M 7	10 57 31	16° 5'55	4° 6'	20° 0'	5° 44'	18° 20'	24° 27'	1° 45'	26° 31'	14° 32'	14° 41'	26° 20'	28° 0'	25° 32'	8° 55'	M 7
T 8	11 1 28	17° 5'56	16° 45'	21° 16'	6° 59'	19° 7'	24° 38'	1° 40'	26° 31'	14° 31'	14° 40'	26° 20'	27° 57'	25° 38'	8° 57'	T 8
W 9	11 5 24	18° 5'55	29° 48'	22° 34'	8° 14'	19° 54'	24° 49'	1° 35'	26° 31'	14° 30'	14° 39'	26° 19'	27° 53'	25° 45'	8° 58'	W 9
T 10	11 9 21	19° 5'52	13° 18'	23° 53'	9° 28'	20° 41'	25° 0'	1° 31'	26° 31'	14° 28'	14° 38'	26° 17'	27° 50'	25° 52'	8° 59'	T 10
F 11	11 13 17	20° 5'47	27° 18'	25° 14'	10° 43'	21° 28'	25° 11'	1° 26'	26° 31'	14° 27'	14° 37'	26° 13'	27° 47'	25° 58'	9° 1'	F 11
S 12	11 17 14	21° 5'39	11° 45'	26° 36'	11° 58'	22° 15'	25° 21'	1° 22'	26° 32'	14° 25'	14° 36'	26° 8'	27° 44'	26° 5'	9° 2'	S 12
S 13	11 21 10	22° 5'29	26° 37'	27° 59'	13° 13'	23° 2'	25° 32'	1° 18'	26° 32'	14° 24'	14° 35'	26° 3'	27° 41'	26° 12'	9° 2'	S 13
M14	11 25 7	23° 5'17	11° 46'	29° 25'	14° 27'	23° 49'	25° 42'	1° 13'	26° 33'	14° 22'	14° 33'	25° 58'	27° 38'	26° 18'	9° 3'	M14
T 15	11 29 4	24° 5'02	27° 2'	0° 51'	15° 42'	24° 36'	25° 53'	1° 9'	26° 33'	14° 21'	14° 32'	25° 55'	27° 34'	26° 25'	9° 4'	T 15
W16	11 33 0	25° 4'46	12° 15'	2° 19'	16° 57'	25° 23'	26° 3'	1° 5'	26° 34'	14° 19'	14° 31'	25° 53'	27° 31'	26° 32'	9° 4'	W16
T 17	11 36 57	26° 4'28	27° 16'	3° 48'	18° 11'	26° 10'	26° 13'	1° 1'	26° 34'	14° 18'	14° 30'	25° 52'	27° 28'	26° 38'	9° 5'	T 17
F 18	11 40 53	27° 4'08	11° 57'	5° 19'	19° 26'	26° 57'	26° 23'	0° 57'	26° 35'	14° 16'	14° 29'	25° 53'	27° 25'	26° 45'	9° 5'	F 18
S 19	11 44 50	28° 3'47	26° 13'	6° 51'	20° 41'	27° 44'	26° 33'	0° 52'	26° 36'	14° 14'	14° 28'	25° 54'	27° 22'	26° 52'	9° 6'	S 19
S 20	11 48 46	29° 3'24	10° 2'	8° 24'	21° 55'	28° 30'	26° 43'	0° 49'	26° 36'	14° 13'	14° 27'	25° 56'	27° 19'	26° 58'	9° 6'	S 20
M21	11 52 43	0° 5'29	23° 25'	9° 59'	23° 10'	29° 17'	26° 53'	0° 45'	26° 37'	14° 11'	14° 26'	25° 57'	27° 15'	27° 5'	9° 6'	M21
T 22	11 56 39	1° 2'32	6° 25'	11° 35'	24° 25'	0° 4'	27° 2'	0° 41'	26° 38'	14° 10'	14° 26'	25° 57'	27° 12'	27° 12'	9° 6'	T 22
W23	12 0 36	2° 2'04	19° 4'	13° 12'	25° 39'	0° 51'	27° 12'	0° 37'	26° 39'	14° 8'	14° 25'	25° 56'	27° 9'	27° 18'	9° 6'	W23
T 24	12 4 33	3° 1'33	1° 27'	14° 50'	26° 54'	1° 37'	27° 21'	0° 33'	26° 40'	14° 7'	14° 24'	25° 53'	27° 6'	27° 25'	9° 5'	T 24
F 25	12 8 29	4° 1'01	13° 37'	16° 30'	28° 8'	2° 24'	27° 30'	0° 30'	26° 41'	14° 5'	14° 23'	25° 50'	27° 3'	27° 32'	9° 5'	F 25
S 26	12 12 26	5° 0'27	25° 37'	18° 11'	29° 23'	3° 10'	27° 40'	0° 26'	26° 42'	14° 3'	14° 22'	25° 47'	26° 59'	27° 38'	9° 5'	S 26
S 27	12 16 22	5° 59'52	7° 30'	19° 54'	0° 38'	3° 57'	27° 49'	0° 23'	26° 43'	14° 2'	14° 21'	25° 43'	26° 56'	27° 45'	9° 4'	S 27
M28	12 20 19	6° 59'14	19° 20'	21° 38'	1° 52'	4° 43'	27° 57'	0° 19'	26° 44'	14° 0'	14° 21'	25° 40'	26° 53'	27° 52'	9° 3'	M28
T 29	12 24 15	7° 58'34	1° 8'	23° 23'	3° 7'	5° 30'	28° 6'	0° 16'	26° 46'	13° 58'	14° 20'	25° 38'	26° 50'	27° 58'	9° 3'	T 29
W30	12 28 12	8° 57'52	12° 57'	25° 9'	4° 21'	6° 16'	28° 15'	0° 13'	26° 47'	13° 57'	14° 19'	25° 37'	26° 47'	28° 5'	9° 2'	W30
T 31	12 32 8	9° 57'08	24° 48'	26° 57'	5° 36'	7° 9'	28° 23'	0° 9'	26° 48'	13° 55'	14° 18'	25° 36'	26° 48'	28° 11'	9° 1'	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	7s47	5s41	2s53	17s13	0s20	13s14	1s14	7s20	0s58	21s32	0s 7	12n21	1n47	23n37	0n13	4s18
W 2	7 25	0 9	1 57	17 4	0 30	12 49	1 15	7 1	0 57	21 31	0 7	12 23	1 47	23 37	0 13	4 17
T 3	7 2	5n25	0 56	16 53	0 39	12 24	1 16	6 43	0 57	21 29	0 7	12 25	1 47	23 37	0 13	4 17
F 4	6 39	10 48	0n 8	16 41	0 48	11 58	1 17	6 24	0 57	21 27	0 7	12 27	1 47	23 37	0 13	4 16
S 5	6 16	15 52	1 12	16 28	0 56	11 32	1 18	6 6	0 56	21 25	0 7	12 28	1 47	23 37	0 13	4 15
S 6	5 52	20 22	2 14	16 13	1 4	11 6	1 19	5 47	0 56	21 23	0 7	12 30	1 47	23 37	0 13	4 15
M 7	5 29	24 6	3 11	15 57	1 12	10 39	1 20	5 28	0 56	21 21	0 7	12 32	1 47	23 37	0 13	4 14
T 8	5 6	26 47	4 0	15 40	1 19	10 12	1 21	5 9	0 55	21 19	0 7	12 33	1 47	23 37	0 13	4 14
W 9	4 42	28 6	4 39	15 21	1 26	9 45	1 22	4 50	0 55	21 18	0 7	12 35	1 47	23 37	0 13	4 13
T 10	4 19	27 49	5 4	15 1	1 32	9 18	1 23	4 32	0 54	21 16	0 8	12 37	1 47	23 37	0 13	4 13
F 11	3 55	25 48	5 11	14 40	1 38	8 50	1 23	4 13	0 54	21 14	0 8	12 38	1 47	23 37	0 13	4 12
S 12	3 32	22 4	5 0	14 17	1 44	8 22	1 24	3 54	0 54	21 12	0 8	12 40	1 47	23 37	0 13	4 11
S 13	3 8	16 51	4 29	13 53	1 49	7 54	1 24	3 35	0 53	21 10	0 8	12 41	1 47	23 37	0 13	4 11
M14	2 45	10 31	3 38	13 28	1 54	7 26	1 25	3 16	0 53	21 9	0 8	12 43	1 47	23 37	0 13	4 10
T 15	2 21	3 30	2 31	13 1	1 58	6 57	1 25	2 57	0 52	21 7	0 8	12 45	1 47	23 37	0 13	4 10
W16	1 57	3s43	1 14	12 33	2 2	6 28	1 26	2 38	0 52	21 5	0 8	12 46	1 47	23 37	0 13	4 9
T 17	1 34	10 37	0 8	12 4	2 6	6 0	1 26	2 19	0 52	21 3	0 8	12 47	1 47	23 37	0 13	4 8
F 18	1 10	16 48	1 27	11 34	2 9	5 30	1 26	2 0	0 51	21 1	0 9	12 49	1 47	23 37	0 13	4 8
S 19	0 46	21 53	2 39	11 2	2 12	5 1	1 27	1 41	0 51	21 0	0 9	12 50	1 47	23 37	0 13	4 7
S 20	0 23	25 34	3 39	10 30	2 14	4 32	1 27	1 22	0 50	20 58	0 9	12 52	1 47	23 37	0 13	4 7
M21	0n 1	27 42	4 25	9 56	2 16	4 2	1 27	1 3	0 50	20 56	0 9	12 53	1 47	23 37	0 13	4 6
T 22	0 25	28 14	4 57	9 20	2 17	3 33	1 27	0 44	0 49	20 54	0 9	12 54	1 47	23 37	0 13	4 5
W23	0 49	27 15	5 12	8 44	2 18	3 3	1 27	0 25	0 49	20 53	0 9	12 56	1 47	23 37	0 13	4 5
T 24	1 12	24 56	5 13	8 6	2 19	2 33	1 26	0 6	0 49	20 51	0 9	12 57	1 47	23 37	0 13	4 4
F 25	1 36	21 31	5 0	7 28	2 19	2 4	1 26	0n13	0 48	20 49	0 9	12 58	1 47	23 37	0 13	4 3
S 26	1 59	17 16	4 33	6 48	2 18	1 34	1 26	0 32	0 48	20 48	0 10	13 0	1 47	23 37	0 13	4 3
S 27	2 23	12 23	3 55	6 7	2 18	1 4	1 26	0 51	0 47	20 46	0 10	13 1	1 47	23 37	0 13	4 2
M28	2 46	7 5	3 7	5 25	2 16	0 34	1 25	1 10	0 47	20 44	0 10	13 2	1 47	23 37	0 13	4 1
T 29	3 10	1 33	2 11	4 41	2 14	0 4	1 25	1 29	0 46	20 43	0 10	13 3	1 47	23 37	0 13	4 1
W30	3 33	4n 3	1 9	3 57	2 12	0n26	1 24	1 48	0 46	20 41	0 10	13 4	1 47	23 37	0 13	4 0
T 31	3n57	9n32	0s 4	3s11	2s 9	0n57	1s24	2n 6	0s45	20s40	0s10	13n 5	1n47	23n37	0n13	3s59

Julian Day Number = 2432976.5, Delta T = 28.63 sec
 Ecliptic obliquity = 23°26'54", Nutation = - 0°00'07", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°01'49", Lahiri = 23°08'49"

ASTRODIENST EPHEMERIS for the year 1949

geocentric

APRIL 1949

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 36 5	10°56'22	68°44	28°46	6°50	7°49	28°32	0°R 6	26°50	13°R53	14°R18	25°Y37	26°Y40	28°X18	9°R 0	F 1
S 2	12 40 2	11°55'34	18°47	0°Y37	8° 5	8°35	28°40	0°M 3	26°51	13°D52	14°Q17	25°37	26°37	28°25	8°X59	S 2
S 3	12 43 58	12°54'44	1°II 0	2°29	9°19	9°22	28°48	0° 0	26°52	13°50	14°16	25°39	26°34	28°31	8°57	S 3
M 4	12 47 55	13°53'52	13°26	4°22	10°34	10° 8	28°56	29°Q58	26°54	13°49	14°16	25°40	26°31	28°38	8°56	M 4
T 5	12 51 51	14°52'57	26° 9	6°17	11°48	10°54	29° 4	29°55	26°56	13°47	14°15	25°41	26°28	28°45	8°55	T 5
W 6	12 55 48	15°52'00	9°Q11	8°13	13° 2	11°40	29°11	29°52	26°57	13°45	14°15	25°41	26°25	28°51	8°53	W 6
T 7	12 59 44	16°51'01	22°35	10°11	14°17	12°27	29°19	29°50	26°59	13°44	14°14	25°R41	26°21	28°58	8°51	T 7
F 8	13 3 41	17°49'59	6°Q23	12°10	15°31	13°13	29°26	29°47	27° 1	13°42	14°14	25°41	26°18	29° 5	8°50	F 8
S 9	13 7 37	18°48'55	20°36	14°10	16°46	13°59	29°34	29°45	27° 2	13°40	14°13	25°40	26°15	29°11	8°48	S 9
S 10	13 11 34	19°47'48	5°M11	16°11	18° 0	14°45	29°41	29°43	27° 4	13°39	14°13	25°40	26°12	29°18	8°46	S 10
M 11	13 15 31	20°46'40	20° 5	18°14	19°14	15°31	29°48	29°41	27° 6	13°37	14°12	25°39	26° 9	29°25	8°44	M 11
T 12	13 19 27	21°45'29	5°D10	20°18	20°29	16°17	29°55	29°38	27° 8	13°35	14°12	25°39	26° 5	29°31	8°42	T 12
W 13	13 23 24	22°44'16	20°18	22°23	21°43	17° 2	0°A 1	29°37	27°10	13°34	14°11	25°D38	26° 2	29°38	8°40	W 13
T 14	13 27 20	23°43'01	5°M20	24°28	22°57	17°48	0° 8	29°35	27°12	13°32	14°11	25°38	25°59	29°45	8°37	T 14
F 15	13 31 17	24°41'44	20° 7	26°34	24°11	18°34	0°14	29°33	27°14	13°31	14°11	25°39	25°56	29°51	8°35	F 15
S 16	13 35 13	25°40'25	4°A32	28°41	25°26	19°20	0°20	29°31	27°16	13°29	14°10	25°R39	25°53	29°58	8°32	S 16
S 17	13 39 10	26°39'05	18°32	0°B48	26°40	20° 5	0°26	29°30	27°18	13°27	14°10	25°38	25°50	0°Y 5	8°30	S 17
M 18	13 43 6	27°37'43	2°B 5	2°55	27°54	20°51	0°32	29°28	27°20	13°26	14°10	25°38	25°46	0°11	8°27	M 18
T 19	13 47 3	28°36'19	15°12	5° 2	29° 8	21°37	0°38	29°27	27°22	13°24	14°10	25°38	25°43	0°18	8°25	T 19
W 20	13 51 0	29°34'54	27°55	7° 8	0°B22	22°22	0°44	29°26	27°25	13°23	14° 9	25°D38	25°40	0°25	8°22	W 20
T 21	13 54 56	0°B33'27	10°A19	9°13	1°37	23° 8	0°49	29°24	27°27	13°21	14° 9	25°38	25°37	0°31	8°19	T 21
F 22	13 58 53	1°31'58	22°27	11°18	2°51	23°53	0°54	29°23	27°29	13°19	14° 9	25°38	25°34	0°38	8°16	F 22
S 23	14 2 49	2°30'28	4°A24	13°20	4° 5	24°39	1° 0	29°22	27°32	13°18	14° 9	25°39	25°30	0°45	8°13	S 23
S 24	14 6 46	3°28'56	16°14	15°21	5°19	25°24	1° 4	29°22	27°34	13°16	14° 9	25°40	25°27	0°51	8°10	S 24
M 25	14 10 42	4°27'22	28° 2	17°20	6°33	26° 9	1° 9	29°21	27°36	13°15	14° 9	25°41	25°24	0°58	8° 7	M 25
T 26	14 14 39	5°25'46	9°Y50	19°17	7°47	26°55	1°14	29°20	27°39	13°13	14° 9	25°41	25°21	1° 5	8° 4	T 26
W 27	14 18 35	6°24'09	21°42	21°10	9° 1	27°40	1°18	29°20	27°41	13°12	14°D 9	25°R42	25°18	1°11	8° 0	W 27
T 28	14 22 32	7°22'30	3°B40	23° 1	10°16	28°25	1°22	29°19	27°44	13°10	14° 9	25°42	25°15	1°18	7°57	T 28
F 29	14 26 28	8°20'49	15°46	24°49	11°30	29°10	1°27	29°19	27°46	13° 9	14° 9	25°41	25°11	1°25	7°54	F 29
S 30	14 30 25	9°B19'07	28°B 3	26°B33	12°B44	29°Y55	1°A30	29°Q19	27°II49	13°D 7	14°Q 9	25°Y40	25°Y 8	1°Y31	7°X50	S 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4n20	14n44	1n 1	2s25	2s 6	1n27	1s23	2n25	0s45	20s38	0s10	13n 6	1n47	23n37	0n13	F 1
S 2	4 43	19 25	2 5	1 37	2 2	1 57	1 22	2 44	0 44	20 36	0 11	13 7	1 47	23 37	0 13	S 2
S 3	5 6	23 22	3 4	0 49	1 58	2 27	1 22	3 3	0 44	20 35	0 11	13 8	1 47	23 37	0 13	S 3
M 4	5 29	26 19	3 55	0n 1	1 53	2 57	1 21	3 21	0 43	20 33	0 11	13 9	1 47	23 37	0 13	M 4
T 5	5 52	28 0	4 36	0 51	1 47	3 26	1 20	3 40	0 43	20 32	0 11	13 10	1 47	23 37	0 13	T 5
W 6	6 15	28 11	5 4	1 42	1 42	3 56	1 19	3 58	0 42	20 31	0 11	13 11	1 47	23 37	0 13	W 6
T 7	6 37	26 46	5 17	2 34	1 35	4 26	1 18	4 17	0 42	20 29	0 11	13 12	1 46	23 37	0 13	T 7
F 8	7 0	23 43	5 12	3 27	1 28	4 56	1 17	4 35	0 41	20 28	0 11	13 13	1 46	23 37	0 13	F 8
S 9	7 22	19 10	4 48	4 21	1 21	5 25	1 16	4 54	0 41	20 26	0 12	13 13	1 46	23 38	0 13	S 9
S 10	7 45	13 25	4 5	5 15	1 13	5 55	1 15	5 12	0 40	20 25	0 12	13 14	1 46	23 38	0 13	S 10
M 11	8 7	6 46	3 5	6 9	1 5	6 24	1 13	5 30	0 39	20 24	0 12	13 15	1 46	23 38	0 13	M 11
T 12	8 29	0s21	1 51	7 4	0 56	6 53	1 12	5 48	0 39	20 22	0 12	13 15	1 46	23 38	0 13	T 12
W 13	8 51	7 29	0 30	7 59	0 47	7 22	1 11	6 6	0 38	20 21	0 12	13 16	1 46	23 38	0 13	W 13
T 14	9 13	14 9	0s54	8 55	0 37	7 51	1 9	6 24	0 38	20 20	0 12	13 17	1 46	23 38	0 13	T 14
F 15	9 34	19 54	2 12	9 50	0 27	8 20	1 8	6 42	0 37	20 19	0 12	13 17	1 46	23 38	0 13	F 15
S 16	9 56	24 20	3 20	10 45	0 17	8 48	1 7	7 0	0 37	20 17	0 13	13 18	1 46	23 38	0 13	S 16
S 17	10 17	27 10	4 14	11 39	0 6	9 17	1 5	7 18	0 36	20 16	0 13	13 18	1 46	23 38	0 13	S 17
M 18	10 38	28 17	4 51	12 33	0n 4	9 45	1 3	7 36	0 36	20 15	0 13	13 19	1 46	23 38	0 13	M 18
T 19	10 59	27 45	5 12	13 26	0 15	10 13	1 2	7 53	0 35	20 14	0 13	13 19	1 45	23 38	0 13	T 19
W 20	11 20	25 46	5 17	14 19	0 26	10 40	1 0	8 11	0 34	20 13	0 13	13 19	1 45	23 38	0 13	W 20
T 21	11 40	22 35	5 7	15 9	0 37	11 8	0 58	8 28	0 34	20 12	0 13	13 20	1 45	23 38	0 13	T 21
F 22	12 1	18 30	4 44	15 59	0 48	11 35	0 57	8 45	0 33	20 11	0 14	13 20	1 45	23 38	0 13	F 22
S 23	12 21	13 45	4 8	16 47	0 58	12 2	0 55	9 3	0 33	20 10	0 14	13 20	1 45	23 38	0 13	S 23
S 24	12 41	8 32	3 22	17 33	1 9	12 28	0 53	9 20	0 32	20 9	0 14	13 20	1 45	23 38	0 13	S 24
M 25	13 1	3 2	2 28	18 17	1 19	12 54	0 51	9 37	0 32	20 8	0 14	13 20	1 45	23 38	0 13	M 25
T 26	13 20	2n34	1 27	18 58	1 29	13 20	0 49	9 54	0 31	20 7	0 14	13 21	1 45	23 38	0 13	T 26
W 27	13 40	8 7	0 22	19 38	1 38	13 46	0 47	10 10	0 30	20 7	0 14	13 21	1 45	23 38	0 13	W 27
T 28	13 59	13 26	0n44	20 15	1 47	14 11	0 45	10 27	0 30	20 6	0 14	13 21	1 44	23 38	0 13	T 28
F 29	14 18	18 18	1 49	20 50	1 55	14 36	0 43	10 44	0 29	20 5	0 15	13 21	1 44	23 38	0 13	F 29
S 30	14n36	22n29	2n50	21n22	2n 2	15n 1	0s41	11n 0	0s29	20s 4	0s15	13n21	1n44	23n38	0n13	S 30

Julian Day Number = 2433007.5, Delta T = 28.66 sec

Ecliptic obliquity = 23°26'54, Nutation = - 0°00'08, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°01'53, Lahiri = 23°08'54

ASTRODIENST EPHEMERIS for the year 1949

geocentric

MAY 1949

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 34 22	10♈17'23	10♈30	28♈14	13♈58	0♈40	1♈34	29°D19	27♈52	13°R 6	14♈9	25°R38	25°Y 5	1°Y38	7°R47	S 1
M 2	14 38 18	11°15'36	23°11	29°51	15°12	1°25	1°38	29♈19	27°54	13♈5	14°9	25°Y36	25°2	1°45	7♈43	M 2
T 3	14 42 15	12°13'48	6♈6	1♈24	16°26	2°10	1°41	29°19	27°57	13°3	14°9	25°33	24°59	1°51	7°40	T 3
W 4	14 46 11	13°11'58	19°16	2°53	17°40	2°55	1°44	29°19	28°0	13°2	14°10	25°32	24°56	1°58	7°36	W 4
T 5	14 50 8	14°10'06	2♈43	4°19	18°54	3°40	1°47	29°19	28°3	13°0	14°10	25°30	24°52	2°5	7°32	T 5
F 6	14 54 4	15°8'12	16°27	5°40	20°8	4°25	1°50	29°20	28°6	12°59	14°10	25°D30	24°49	2°11	7°28	F 6
S 7	14 58 1	16°6'16	0♈29	6°57	21°22	5°9	1°53	29°20	28°8	12°58	14°10	25°30	24°46	2°18	7°24	S 7
S 8	15 1 58	17°4'18	14°47	8°10	22°36	5°54	1°55	29°21	28°11	12°56	14°11	25°32	24°43	2°25	7°21	S 8
M 9	15 5 54	18°2'18	29°19	9°19	23°49	6°39	1°58	29°22	28°14	12°55	14°11	25°33	24°40	2°31	7°17	M 9
T 10	15 9 51	19°0'16	14♈2	10°23	25°3	7°23	2°0	29°23	28°17	12°54	14°11	25°34	24°36	2°38	7°13	T 10
W11	15 13 47	19°58'13	28°50	11°22	26°17	8°8	2°2	29°24	28°20	12°53	14°12	25°R34	24°33	2°44	7°9	W11
T 12	15 17 44	20°56'07	13♈36	12°18	27°31	8°52	2°3	29°25	28°23	12°51	14°12	25°33	24°30	2°51	7°5	T 12
F 13	15 21 40	21°54'01	28°13	13°8	28°45	9°37	2°5	29°26	28°26	12°50	14°13	25°31	24°27	2°58	7°1	F 13
S 14	15 25 37	22°51'53	12♈35	13°54	29°59	10°21	2°6	29°27	28°29	12°49	14°13	25°28	24°24	3°4	6°56	S 14
S 15	15 29 33	23°49'43	26°35	14°36	1♈13	11°5	2°7	29°29	28°32	12°48	14°14	25°24	24°21	3°11	6°52	S 15
M16	15 33 30	24°47'32	10♈12	15°12	2°26	11°50	2°8	29°30	28°35	12°47	14°14	25°20	24°17	3°18	6°48	M16
T 17	15 37 27	25°45'20	23°23	15°44	3°40	12°34	2°9	29°32	28°38	12°46	14°15	25°16	24°14	3°24	6°44	T 17
W18	15 41 23	26°43'07	6♈11	16°11	4°54	13°18	2°10	29°33	28°42	12°45	14°15	25°13	24°11	3°31	6°40	W18
T 19	15 45 20	27°40'52	18°38	16°33	6°8	14°2	2°10	29°35	28°45	12°43	14°16	25°11	24°8	3°38	6°35	T 19
F 20	15 49 16	28°38'37	0♈47	16°50	7°21	14°46	2°10	29°37	28°48	12°42	14°16	25°D11	24°5	3°44	6°31	F 20
S 21	15 53 13	29°36'20	12°45	17°3	8°35	15°30	2°R10	29°39	28°51	12°41	14°17	25°11	24°2	3°51	6°27	S 21
S 22	15 57 9	0♈34'02	24°35	17°10	9°49	16°14	2°10	29°41	28°54	12°40	14°18	25°13	23°58	3°58	6°23	S 22
M23	16 1 6	1°31'43	6°Y23	17°R13	11°3	16°58	2°10	29°43	28°58	12°39	14°18	25°14	23°55	4°4	6°18	M23
T 24	16 5 2	2°29'23	18°13	17°11	12°16	17°42	2°9	29°46	29°1	12°39	14°19	25°16	23°52	4°11	6°14	T 24
W25	16 8 59	3°27'02	0♈9	17°5	13°30	18°25	2°9	29°48	29°4	12°38	14°20	25°R16	23°49	4°18	6°10	W25
T 26	16 12 56	4°24'40	12°16	16°54	14°44	19°9	2°8	29°50	29°8	12°37	14°21	25°14	23°46	4°24	6°5	T 26
F 27	16 16 52	5°22'17	24°34	16°39	15°57	19°53	2°6	29°53	29°11	12°36	14°22	25°11	23°42	4°31	6°1	F 27
S 28	16 20 49	6°19'53	7♈7	16°20	17°11	20°36	2°5	29°56	29°14	12°35	14°22	25°6	23°39	4°38	5°57	S 28
S 29	16 24 45	7°17'27	19°54	15°58	18°25	21°20	2°4	29°58	29°18	12°34	14°23	24°59	23°36	4°44	5°52	S 29
M30	16 28 42	8°15'01	2♈56	15°33	19°38	22°3	2°2	0♈1	29°21	12°33	14°24	24°52	23°33	4°51	5°48	M30
T 31	16 32 38	9♈12'33	16♈11	15♈5	20♈52	22♈47	2♈0	0♈4	29♈25	12♈33	14♈25	24°Y45	23°Y30	4°Y58	5♈44	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
S 1	14n55	25n43	3n43	21n52	2n 9	15n25	0s39	11n16	0s28	20s 4	0s15	13n21	1n44	23n38	0n13	3s41	1n38	24n 0	7n45	9n55	9n43	1s14	17s 8	4n32			
M 2	15 13	27 43	4 27	22 19	2 15	15 49	0 37	11 33	0 27	20 3	0 15	13 20	1 44	23 38	0 13	3 40	1 38	23 59	7 45	9 54	9 42	1 11	17 7	4 33			
T 3	15 31	28 16	4 58	22 44	2 20	16 12	0 35	11 49	0 27	20 2	0 15	13 20	1 44	23 39	0 13	3 40	1 38	23 59	7 45	9 53	9 40	1 7	17 6	4 33			
W 4	15 48	27 14	5 14	23 6	2 24	16 35	0 32	12 5	0 26	20 2	0 15	13 20	1 44	23 39	0 13	3 39	1 37	23 59	7 45	9 52	9 39	1 4	17 5	4 34			
T 5	16 6	24 38	5 13	23 26	2 28	16 58	0 30	12 21	0 26	20 1	0 16	13 20	1 44	23 39	0 13	3 39	1 37	23 59	7 45	9 52	9 38	1 0	17 4	4 34			
F 6	16 23	20 36	4 55	23 43	2 30	17 20	0 28	12 36	0 25	20 1	0 16	13 20	1 44	23 39	0 13	3 38	1 37	23 59	7 44	9 52	9 37	0 57	17 3	4 34			
S 7	16 40	15 20	4 19	23 59	2 32	17 42	0 26	12 52	0 24	20 1	0 16	13 19	1 43	23 39	0 13	3 38	1 37	23 58	7 44	9 52	9 36	0 54	17 2	4 35			
S 8	16 56	9 10	3 26	24 11	2 33	18 3	0 23	13 7	0 24	20 0	0 16	13 19	1 43	23 39	0 13	3 37	1 37	23 58	7 44	9 52	9 35	0 50	17 1	4 35			
M 9	17 13	2 24	2 20	24 22	2 33	18 24	0 21	13 22	0 23	20 0	0 16	13 19	1 43	23 39	0 13	3 37	1 37	23 58	7 44	9 53	9 33	0 47	17 0	4 36			
T 10	17 29	4s34	1 3	24 31	2 31	18 44	0 19	13 38	0 23	20 0	0 17	13 18	1 43	23 39	0 13	3 36	1 37	23 58	7 44	9 53	9 32	0 43	16 59	4 36			
W11	17 44	11 21	0s18	24 37	2 29	19 4	0 16	13 53	0 22	19 59	0 17	13 18	1 43	23 39	0 13	3 36	1 37	23 57	7 44	9 53	9 31	0 40	16 58	4 36			
T 12	18 0	17 29	1 38	24 41	2 26	19 23	0 14	14 7	0 21	19 59	0 17	13 17	1 43	23 39	0 13	3 35	1 37	23 57	7 44	9 53	9 30	0 37	16 57	4 37			
F 13	18 15	22 32	2 50	24 44	2 22	19 42	0 12	14 22	0 21	19 59	0 17	13 17	1 43	23 39	0 13	3 35	1 37	23 57	7 43	9 52	9 29	0 33	16 56	4 37			
S 14	18 30	26 7	3 50	24 44	2 17	20 0	0 9	14 37	0 20	19 59	0 17	13 16	1 43	23 39	0 13	3 34	1 37	23 57	7 43	9 51	9 28	0 30	16 55	4 38			
S 15	18 44	27 59	4 35	24 43	2 11	20 18	0 7	14 51	0 19	19 59	0 17	13 16	1 43	23 39	0 13	3 34	1 37	23 56	7 43	9 50	9 26	0 26	16 54	4 38			
M16	18 58	28 5	5 2	24 40	2 3	20 35	0 5	15 5	0 19	19 59	0 18	13 15	1 42	23 39	0 13	3 33	1 37	23 56	7 43	9 48	9 25	0 23	16 53	4 38			
T 17	19 12	26 33	5 13	24 36	1 55	20 52	0 2	15 20	0 18	19 59	0 18	13 14	1 42	23 39	0 13	3 33	1 37	23 56	7 43	9 47	9 24	0 20	16 52	4 39			
W18	19 26	23 42	5 7	24 29	1 46	21 8	0n 0	15 33	0 17	19 59	0 18	13 14	1 42	23 39	0 13	3 33	1 37	23 55	7 43	9 46	9 23	0 16	16 51	4 39			
T 19	19 39	19 48	4 47	24 21	1 36	21 23	0 3	15 47	0 17	19 59	0 18	13 13	1 42	23 39	0 13	3 32	1 37	23 55	7 43	9 45	9 22	0 13	16 50	4 39			
F 20	19 52	15 10	4 15	24 12	1 24	21 38	0 5	16 1	0 16	19 59	0 18	13 12	1 42	23 39	0 13	3 32	1 37	23 55	7 42	9 45	9 21	0 9	16 49	4 40			
S 21	20 4	10 2	3 32	24 1	1 12	21 52	0 8	16 14	0 16	19 59	0 18	13 11	1 42	23 39	0 13	3 32	1 37	23 55	7 42	9 45	9 19	0 6	16 48	4 40			
S 22	20 17	4 36	2 40	23 49	0 59	22 6	0 10	16 28	0 15	19 59	0 19	13 11	1 42	23 39	0 13	3 31	1 37	23 54	7 42	9 46	9 18	0 3	16 47	4 40			
M23	20 28	0n59	1 41	23 35	0 45	22 19	0 12	16 41	0 14	19 59	0 19	13 10	1 42	23 39	0 13	3 31	1 37	23 54	7 42	9 46	9 17	0n 1	16 46	4 40			
T 24	20 40	6 33	0 38	23 20	0 30	22 31	0 15	16 54	0 14	20 0	0 19	13 9	1 42	23 39	0 13	3 31	1 37	23 54	7 42	9 47	9 16	0 4	16 45	4 41			
W25	20 51	11 57	0n27	23 4	0 15	22 43	0 17	17 7	0 13	20 0	0 19	13 8	1 41	23 39	0 13	3 30	1 37	23 53	7 42	9 47	9 15	0 8	16 44	4 41			
T 26	21 2	16 58	1 31	22 47	0s 1	22 54	0 20	17 19	0 12	20 1	0 19	13 7	1 41	23 39	0 13	3 30	1 37	23 53	7 42	9 46	9 14	0 11	16 43	4 41			
F 27	21 12	21 23	2 32	22 29	0 18	23 4	0 22	17 32	0 12	20 1	0 20	13 6	1 41	23 39	0 13	3 30	1 37	23 52	7 41	9 45	9 12	0 14	16 42	4 41			
S 28	21 22	24 55	3 27	22 10	0 35	23 14	0 24	17 44	0 11	20 1	0 20	13 5	1 41	23 39	0 13	3 29	1 37	23 52	7 41	9 43	9 11	0 18	16 41	4 42			
S 29	21 32	27 16	4 13	21 51	0 52	23 23	0 27	17 56	0 10	20 2	0 20	13 4	1 41	23 39	0 13	3 29	1 37	23 52	7 41	9 41	9 10	0 21	16 40	4 42			
M30	21 41	28 11	4 46	21 31	1 10	23 32	0 29	18 8	0 10	20 2	0 20	13 3	1 41	23 39	0 13	3 29	1 37	23 51	7 41	9 38	9 9	0 25	16 39	4 42			
T 31	21n50	27n31	5n 5	21n10	1s27	23n39	0n32	18n20	0s 9	20s 3	0s20	13n 1	1n41	23n39	0n13	3s28	1n37	23n51	7n41	9n35	9n 8	0n28	16s38	4n42			

ASTRODIENST EPHEMERIS for the year 1949
geocentric

JUNE 1949

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 36 35	10 ^{II} 10'04	29 [☾] 40	14°R35	22 ^{II} 6	23 [♂] 30	1°R58	0 [♂] 7	29 ^{II} 28	12°R32	14 [♂] 26	24°R39	23 [♂] 27	5 [♂] 4	5°R39	W 1
T 2	16 40 31	11° 7'34	13 [♂] 19	14 ^{II} 3	23°19	24°14	1 [♂] 56	0°11	29°31	12 [♂] 31	14°27	24 [♂] 34	23°23	5°11	5 [♂] 35	T 2
F 3	16 44 28	12° 5'03	27°10	13°30	24°33	24°57	1°53	0°14	29°35	12°31	14°28	24°31	23°20	5°18	5°31	F 3
S 4	16 48 25	13° 2'30	11 [♂] 9	12°57	25°46	25°40	1°51	0°17	29°38	12°30	14°29	24°D30	23°17	5°24	5°27	S 4
S 5	16 52 21	13°59'56	25°17	12°23	27° 0	26°23	1°48	0°21	29°42	12°29	14°30	24°30	23°14	5°31	5°22	S 5
M 6	16 56 18	14°57'20	9 [♂] 32	11°50	28°13	27° 6	1°45	0°24	29°45	12°29	14°31	24°31	23°11	5°38	5°18	M 6
T 7	17 0 14	15°54'44	23°53	11°18	29°27	27°50	1°42	0°28	29°49	12°28	14°32	24°R32	23° 8	5°44	5°14	T 7
W 8	17 4 11	16°52'06	8 [♂] 16	10°48	0 [♂] 40	28°32	1°39	0°31	29°52	12°28	14°33	24°31	23° 4	5°51	5°10	W 8
T 9	17 8 7	17°49'28	22°37	10°21	1°54	29°15	1°35	0°35	29°56	12°27	14°34	24°28	23° 1	5°57	5° 6	T 9
F 10	17 12 4	18°46'48	6 [♂] 53	9°55	3° 7	29°58	1°31	0°39	29°59	12°27	14°35	24°23	22°58	6° 4	5° 1	F 10
S 11	17 16 0	19°44'08	20°57	9°33	4°21	0 ^{II} 41	1°28	0°43	0 [♂] 3	12°26	14°36	24°16	22°55	6°11	4°57	S 11
S 12	17 19 57	20°41'27	4 [♂] 46	9°15	5°34	1°24	1°24	0°47	0° 6	12°26	14°38	24° 7	22°52	6°17	4°53	S 12
M13	17 23 54	21°38'45	18°15	9° 0	6°48	2° 7	1°19	0°51	0°10	12°26	14°39	23°57	22°48	6°24	4°49	M13
T 14	17 27 50	22°36'03	1 [♂] 23	8°49	8° 1	2°49	1°15	0°55	0°14	12°25	14°40	23°48	22°45	6°31	4°45	T 14
W15	17 31 47	23°33'21	14°10	8°42	9°15	3°32	1°11	1° 0	0°17	12°25	14°41	23°41	22°42	6°37	4°41	W15
T 16	17 35 43	24°30'37	26°36	8°D40	10°28	4°14	1° 6	1° 4	0°21	12°25	14°42	23°35	22°39	6°44	4°38	T 16
F 17	17 39 40	25°27'54	8 [♂] 47	8°42	11°41	4°57	1° 1	1° 8	0°24	12°24	14°44	23°31	22°36	6°51	4°34	F 17
S 18	17 43 36	26°25'10	20°45	8°49	12°55	5°39	0°56	1°13	0°28	12°24	14°45	23°30	22°33	6°57	4°30	S 18
S 19	17 47 33	27°22'26	2 [♂] 35	9° 0	14° 8	6°22	0°51	1°17	0°32	12°24	14°46	23°D30	22°29	7° 4	4°26	S 19
M20	17 51 29	28°19'42	14°24	9°17	15°22	7° 4	0°46	1°22	0°35	12°24	14°48	23°30	22°26	7°11	4°22	M20
T 21	17 55 26	29°16'57	26°16	9°37	16°35	7°46	0°40	1°27	0°39	12°24	14°49	23°R31	22°23	7°17	4°19	T 21
W22	17 59 23	0 [♂] 14'12	8 [♂] 16	10° 3	17°48	8°29	0°35	1°32	0°42	12°24	14°50	23°30	22°20	7°24	4°15	W22
T 23	18 3 19	1°11'28	20°29	10°33	19° 2	9°11	0°29	1°37	0°46	12°24	14°52	23°26	22°17	7°31	4°12	T 23
F 24	18 7 16	2° 8'43	2 ^{II} 59	11° 7	20°15	9°53	0°23	1°42	0°49	12°D24	14°53	23°21	22°14	7°37	4° 8	F 24
S 25	18 11 12	3° 5'57	15°46	11°46	21°28	10°35	0°17	1°47	0°53	12°24	14°55	23°13	22°10	7°44	4° 5	S 25
S 26	18 15 9	4° 3'12	28°53	12°29	22°42	11°17	0°11	1°52	0°57	12°24	14°56	23° 3	22° 7	7°51	4° 1	S 26
M27	18 19 5	5° 0'27	12 [♂] 18	13°17	23°55	11°59	0° 5	1°57	1° 0	12°24	14°57	22°52	22° 4	7°57	3°58	M27
T 28	18 23 2	5°57'41	25°58	14° 9	25° 8	12°41	29 [♂] 59	2° 2	1° 4	12°24	14°59	22°40	22° 1	8° 4	3°55	T 28
W29	18 26 59	6°54'55	9 [♂] 51	15° 5	26°21	13°23	29°52	2° 7	1° 7	12°24	15° 0	22°30	21°58	8°10	3°52	W29
T 30	18 30 55	7 [♂] 52'08	23 [♂] 52	16 ^{II} 6	27 [♂] 35	14 ^{II} 5	29 [♂] 46	2 [♂] 13	1 [♂] 11	12 [♂] 24	15 [♂] 2	22 [♂] 22	21 [♂] 54	8 [♂] 17	3 [♂] 48	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
W 1	21n59	25n14	5n 7	20n50	1s44	23n47	0n34	18n31	0s 8	20s 4	0s21	13n 0	1n41	23n40	0n13	3s28	1n37	23n51	7n41	9n33	9n 7	0n31	16s37	4n43	
T 2	22 7	21 29	4 52	20 29	2 1	23 53	0 36	18 43	0 8	20 4	0 21	12 59	1 41	23 40	0 13	3 28	1 37	23 50	7 41	9 31	9 5	0 35	16 36	4 43	
F 3	22 15	16 32	4 20	20 9	2 18	23 59	0 38	18 54	0 7	20 5	0 21	12 58	1 40	23 40	0 13	3 28	1 37	23 50	7 41	9 30	9 4	0 38	16 35	4 43	
S 4	22 22	10 39	3 32	19 49	2 34	24 4	0 41	19 5	0 6	20 6	0 21	12 56	1 40	23 40	0 13	3 28	1 36	23 49	7 41	9 30	9 3	0 42	16 34	4 43	
S 5	22 29	4 11	2 31	19 30	2 49	24 8	0 43	19 16	0 6	20 7	0 21	12 55	1 40	23 40	0 13	3 27	1 36	23 49	7 40	9 30	9 2	0 45	16 34	4 43	
M 6	22 36	2s33	1 20	19 11	3 3	24 11	0 45	19 26	0 5	20 8	0 21	12 54	1 40	23 40	0 13	3 27	1 36	23 48	7 40	9 30	9 1	0 48	16 33	4 43	
T 7	22 42	9 13	0 4	18 54	3 16	24 14	0 47	19 37	0 4	20 8	0 22	12 52	1 40	23 40	0 13	3 27	1 36	23 48	7 40	9 31	8 59	0 52	16 32	4 43	
W 8	22 48	15 25	1s13	18 38	3 29	24 16	0 49	19 47	0 4	20 9	0 22	12 51	1 40	23 40	0 13	3 27	1 36	23 48	7 40	9 30	8 58	0 55	16 31	4 44	
T 9	22 53	20 46	2 25	18 23	3 40	24 18	0 52	19 57	0 3	20 10	0 22	12 50	1 40	23 40	0 13	3 27	1 36	23 47	7 40	9 29	8 57	0 59	16 30	4 44	
F 10	22 58	24 52	3 27	18 10	3 49	24 18	0 54	20 7	0 2	20 11	0 22	12 48	1 40	23 40	0 13	3 27	1 36	23 47	7 40	9 27	8 56	1 2	16 29	4 44	
S 11	23 3	27 23	4 16	17 59	3 58	24 18	0 56	20 16	0 2	20 12	0 22	12 47	1 40	23 40	0 13	3 26	1 36	23 46	7 40	9 25	8 55	1 5	16 28	4 44	
S 12	23 7	28 10	4 48	17 49	4 5	24 18	0 58	20 26	0 1	20 13	0 23	12 45	1 40	23 40	0 13	3 26	1 36	23 46	7 40	9 21	8 54	1 9	16 28	4 44	
M13	23 11	27 13	5 4	17 41	4 10	24 16	1 0	20 35	0 0	20 15	0 23	12 44	1 39	23 40	0 13	3 26	1 36	23 45	7 40	9 18	8 52	1 12	16 27	4 44	
T 14	23 14	24 46	5 2	17 35	4 15	24 14	1 2	20 44	0n 0	20 16	0 23	12 42	1 39	23 40	0 13	3 26	1 36	23 45	7 39	9 15	8 51	1 16	16 26	4 44	
W15	23 17	21 9	4 46	17 31	4 18	24 11	1 4	20 53	0 1	20 17	0 23	12 40	1 39	23 40	0 13	3 26	1 36	23 44	7 39	9 12	8 50	1 19	16 25	4 44	
T 16	23 20	16 40	4 16	17 29	4 19	24 7	1 5	21 2	0 2	20 18	0 23	12 39	1 39	23 40	0 13	3 26	1 36	23 44	7 39	9 10	8 49	1 23	16 25	4 44	
F 17	23 22	11 37	3 35	17 29	4 20	24 3	1 7	21 10	0 2	20 19	0 24	12 37	1 39	23 40	0 13	3 26	1 36	23 44	7 39	9 8	8 48	1 26	16 24	4 44	
S 18	23 24	6 13	2 46	17 30	4 19	23 58	1 9	21 18	0 3	20 21	0 24	12 35	1 39	23 40	0 13	3 26	1 36	23 43	7 39	9 8	8 46	1 29	16 23	4 44	
S 19	23 25	0 39	1 49	17 34	4 18	23 52	1 11	21 26	0 4	20 22	0 24	12 34	1 39	23 40	0 13	3 26	1 36	23 43	7 39	9 8	8 45	1 33	16 23	4 44	
M20	23 26	4n56	0 49	17 39	4 15	23 46	1 13	21 34	0 4	20 23	0 24	12 32	1 39	23 40	0 13	3 26	1 36	23 42	7 39	9 8	8 44	1 36	16 22	4 44	
T 21	23 27	10 22	0n15	17 46	4 11	23 39	1 14	21 42	0 5	20 25	0 24	12 30	1 39	23 40	0 13	3 26	1 36	23 42	7 39	9 8	8 43	1 40	16 21	4 44	
W22	23 27	15 30	1 18	17 55	4 6	23 31	1 16	21 49	0 6	20 26	0 24	12 28	1 39	23 40	0 13	3 26	1 36	23 41	7 39	9 8	8 42	1 43	16 21	4 44	
T 23	23 27	20 6	2 19	18 4	4 0	23 22	1 17	21 56	0 6	20 27	0 25	12 26	1 39	23 40	0 13	3 26	1 36	23 41	7 39	9 6	8 41	1 46	16 20	4 44	
F 24	23 26	23 56	3 14	18 16	3 53	23 13	1 19	22 3	0 7	20 29	0 25	12 25	1 39	23 40	0 13	3 26	1 36	23 40	7 39	9 4	8 39	1 50	16 19	4 44	
S 25	23 25	26 40	4 0	18 28	3 46	23 3	1 20	22 10	0 8	20 30	0 25	12 23	1 38	23 40	0 13	3 26	1 36	23 40	7 39	9 1	8 38	1 53	16 19	4 44	
S 26	23 23	28 2	4 36	18 42	3 38	22 53	1 22	22 17	0 8	20 32	0 25	12 21	1 38	23 40	0 13	3 26	1 35	23 39	7 38	8 58	8 37	1 57	16 18	4 44	
M27	23 21	27 48	4 57	18 57	3 29	22 42	1 23	22 23	0 9	20 33	0 25	12 19	1 38	23 40	0 13	3 26	1 35	23 39	7 38	8 54	8 36	2 0	16 18	4 44	
T 28	23 19	25 53	5 1	19 12	3 20	22 30	1 24	22 29	0 10	20 35	0 26	12 17	1 38	23 40	0 13	3 26	1 35	23 38	7 38	8 49	8 35	2 3	16 17	4 44	
W29	23 16	22 25	4 48	19 28	3 10	22 17	1 25	22 35	0 10	20 36	0 26	12 15	1 38	23 39	0 13	3 26	1 35	23 38	7 38	8 46	8 33	2 7	16 17	4 44	
T 30	23n13	17n37	4n18	19n45	2s59	22n 4	1n27	22n41	0n11	20s38	0s26	12n13	1n38	23n39	0n13	3s26	1n35	23n37	7n38	8n43	8n32	2n10	16s16	4n44	

ASTRODIENST EPHEMERIS for the year 1949
geocentric

JULY 1949

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	18 34 52	8♌49'21	7♍59	17♊10	28♌48	14♊46	29°R39	2♍18	1♌15	12♌25	15♏ 3	22°R17	21♍51	8♍24	3°R45	F 1
S 2	18 38 48	9°46'34	22° 7	18°19	0♏ 1	15°28	29♌32	2°24	1°18	12°25	15° 5	22♍14	21°48	8°30	3♌42	S 2
S 3	18 42 45	10°43'46	6♌16	19°31	1°14	16°10	29°25	2°29	1°22	12°25	15° 7	22°D13	21°45	8°37	3°40	S 3
M 4	18 46 41	11°40'58	20°23	20°48	2°27	16°51	29°18	2°35	1°25	12°25	15° 8	22°R13	21°42	8°44	3°37	M 4
T 5	18 50 38	12°38'09	4♍29	22° 8	3°40	17°33	29°11	2°41	1°29	12°26	15°10	22°12	21°39	8°50	3°34	T 5
W 6	18 54 34	13°35'21	18°31	23°32	4°54	18°14	29° 4	2°47	1°32	12°26	15°11	22°11	21°35	8°57	3°31	W 6
T 7	18 58 31	14°32'32	2♌28	25° 0	6° 7	18°55	28°57	2°52	1°36	12°27	15°13	22° 6	21°32	9° 4	3°29	T 7
F 8	19 2 28	15°29'43	16°18	26°32	7°20	19°37	28°50	2°58	1°39	12°27	15°14	21°59	21°29	9°10	3°26	F 8
S 9	19 6 24	16°26'54	29°59	28° 7	8°33	20°18	28°42	3° 4	1°43	12°27	15°16	21°50	21°26	9°17	3°24	S 9
S 10	19 10 21	17°24'06	13♌27	29°46	9°46	20°59	28°35	3°10	1°46	12°28	15°18	21°38	21°23	9°24	3°21	S 10
M 11	19 14 17	18°21'17	26°40	1♌28	10°59	21°40	28°27	3°16	1°50	12°28	15°19	21°25	21°20	9°30	3°19	M 11
T 12	19 18 14	19°18'29	9♌35	3°14	12°12	22°21	28°20	3°22	1°53	12°29	15°21	21°13	21°16	9°37	3°17	T 12
W 13	19 22 10	20°15'41	22°14	5° 3	13°25	23° 3	28°12	3°29	1°57	12°30	15°23	21° 3	21°13	9°44	3°15	W 13
T 14	19 26 7	21°12'53	4♌36	6°55	14°38	23°44	28° 5	3°35	2° 0	12°30	15°24	20°54	21°10	9°50	3°13	T 14
F 15	19 30 3	22°10'06	16°43	8°50	15°51	24°24	27°57	3°41	2° 4	12°31	15°26	20°49	21° 7	9°57	3°11	F 15
S 16	19 34 0	23° 7'19	28°40	10°47	17° 4	25° 5	27°49	3°47	2° 7	12°32	15°28	20°45	21° 4	10° 4	3° 9	S 16
S 17	19 37 57	24° 4'33	10♍29	12°47	18°17	25°46	27°42	3°54	2°11	12°32	15°30	20°44	21° 0	10°10	3° 7	S 17
M 18	19 41 53	25° 1'47	22°18	14°48	19°30	26°27	27°34	4° 0	2°14	12°33	15°31	20°44	20°57	10°17	3° 6	M 18
T 19	19 45 50	25°59'02	4♌10	16°52	20°43	27° 8	27°26	4° 7	2°17	12°34	15°33	20°44	20°54	10°23	3° 4	T 19
W 20	19 49 46	26°56'19	16°12	18°57	21°55	27°48	27°18	4°13	2°21	12°35	15°35	20°42	20°51	10°30	3° 3	W 20
T 21	19 53 43	27°53'35	28°28	21° 3	23° 8	28°29	27°11	4°20	2°24	12°36	15°36	20°39	20°48	10°37	3° 1	T 21
F 22	19 57 39	28°50'53	11♊ 3	23°10	24°21	29°10	27° 3	4°26	2°27	12°36	15°38	20°34	20°45	10°43	3° 0	F 22
S 23	20 1 36	29°48'12	24° 0	25°17	25°34	29°50	26°55	4°33	2°31	12°37	15°40	20°26	20°41	10°50	2°59	S 23
S 24	20 5 32	0♏45'31	7♌21	27°24	26°47	0♌31	26°47	4°40	2°34	12°38	15°42	20°16	20°38	10°57	2°58	S 24
M 25	20 9 29	1°42'51	21° 4	29°32	28° 0	1°11	26°40	4°46	2°37	12°39	15°44	20° 5	20°35	11° 3	2°57	M 25
T 26	20 13 26	2°40'11	5♏ 7	1♏39	29°12	1°51	26°32	4°53	2°40	12°40	15°45	19°53	20°32	11°10	2°56	T 26
W 27	20 17 22	3°37'33	19°25	3°45	0♍25	2°32	26°24	5° 0	2°44	12°41	15°47	19°43	20°29	11°17	2°55	W 27
T 28	20 21 19	4°34'55	3♍52	5°51	1°38	3°12	26°17	5° 7	2°47	12°42	15°49	19°35	20°26	11°23	2°54	T 28
F 29	20 25 15	5°32'17	18°21	7°56	2°50	3°52	26° 9	5°14	2°50	12°43	15°51	19°29	20°22	11°30	2°53	F 29
S 30	20 29 12	6°29'40	2♌48	10° 0	4° 3	4°32	26° 2	5°21	2°53	12°44	15°53	19°26	20°19	11°37	2°52	S 30
S 31	20 33 8	7♏27'03	17♌ 9	12♏ 2	5♍16	5♌12	25♌54	5♍28	2♌56	12♌46	15♏54	19°D25	20♍16	11♍43	2♌52	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n 9	11n51	3n32	20n 2	2s48	21n50	1n28	22n46	0n12	20s39	0s26	12n11	1n38	23n39	0n13	3s27	1n35	23n37	7n38	8n41	8n31	2n14	16s16	4n44
S 2	23 5	5 27	2 32	20 20	2 37	21 36	1 29	22 52	0 12	20 41	0 26	12 9	1 38	23 39	0 13	3 27	1 35	23 36	7 38	8 39	8 30	2 17	16 15	4 44
S 3	23 1	1s13	1 23	20 37	2 25	21 21	1 30	22 57	0 13	20 43	0 26	12 7	1 38	23 39	0 13	3 27	1 35	23 36	7 38	8 39	8 29	2 20	16 15	4 44
M 4	22 56	7 49	0 10	20 55	2 13	21 5	1 31	23 1	0 14	20 44	0 27	12 5	1 38	23 39	0 13	3 27	1 35	23 35	7 38	8 39	8 28	2 24	16 14	4 44
T 5	22 51	14 2	1s 4	21 12	2 1	20 49	1 31	23 6	0 14	20 46	0 27	12 3	1 38	23 39	0 13	3 27	1 35	23 35	7 38	8 39	8 26	2 27	16 14	4 44
W 6	22 45	19 30	2 14	21 29	1 48	20 32	1 32	23 11	0 15	20 47	0 27	12 0	1 38	23 39	0 13	3 27	1 35	23 34	7 38	8 38	8 25	2 31	16 14	4 43
T 7	22 39	23 51	3 16	21 46	1 35	20 15	1 33	23 15	0 16	20 49	0 27	11 58	1 38	23 39	0 13	3 28	1 35	23 33	7 38	8 37	8 24	2 34	16 13	4 43
F 8	22 33	26 48	4 5	22 2	1 22	19 57	1 33	23 19	0 16	20 51	0 27	11 56	1 38	23 39	0 13	3 28	1 35	23 33	7 38	8 34	8 23	2 38	16 13	4 43
S 9	22 26	28 6	4 39	22 16	1 10	19 39	1 34	23 23	0 17	20 52	0 27	11 54	1 38	23 39	0 13	3 28	1 35	23 32	7 38	8 30	8 22	2 41	16 12	4 43
S 10	22 19	27 42	4 57	22 30	0 57	19 20	1 35	23 26	0 18	20 54	0 28	11 52	1 37	23 39	0 13	3 28	1 35	23 32	7 38	8 26	8 20	2 44	16 12	4 43
M11	22 11	25 43	4 59	22 42	0 44	19 0	1 35	23 29	0 18	20 56	0 28	11 49	1 37	23 39	0 13	3 29	1 35	23 31	7 38	8 21	8 19	2 48	16 12	4 43
T 12	22 3	22 26	4 45	22 53	0 31	18 40	1 35	23 33	0 19	20 57	0 28	11 47	1 37	23 39	0 13	3 29	1 35	23 31	7 38	8 17	8 18	2 51	16 12	4 43
W13	21 55	18 10	4 18	23 2	0 19	18 20	1 36	23 36	0 20	20 59	0 28	11 45	1 37	23 39	0 13	3 29	1 35	23 30	7 38	8 13	8 17	2 55	16 11	4 42
T 14	21 46	13 13	3 38	23 9	0 7	17 59	1 36	23 38	0 20	21 1	0 28	11 43	1 37	23 39	0 13	3 29	1 35	23 30	7 38	8 10	8 16	2 58	16 11	4 42
F 15	21 37	7 51	2 50	23 14	0n 5	17 37	1 36	23 41	0 21	21 3	0 28	11 40	1 37	23 39	0 13	3 30	1 35	23 29	7 38	8 8	8 14	3 1	16 11	4 42
S 16	21 28	2 17	1 54	23 17	0 16	17 15	1 36	23 43	0 22	21 4	0 28	11 38	1 37	23 39	0 13	3 30	1 35	23 29	7 38	8 6	8 13	3 5	16 11	4 42
S 17	21 18	3n20	0 54	23 17	0 27	16 53	1 36	23 45	0 22	21 6	0 29	11 35	1 37	23 39	0 13	3 30	1 34	23 28	7 38	8 6	8 12	3 8	16 11	4 42
M18	21 8	8 49	0n 8	23 15	0 38	16 30	1 36	23 47	0 23	21 8	0 29	11 33	1 37	23 39	0 13	3 31	1 34	23 28	7 38	8 6	8 11	3 12	16 11	4 42
T 19	20 58	14 1	1 11	23 10	0 47	16 6	1 36	23 49	0 24	21 9	0 29	11 31	1 37	23 39	0 13	3 31	1 34	23 27	7 38	8 6	8 10	3 15	16 10	4 41
W20	20 47	18 46	2 11	23 2	0 56	15 43	1 36	23 50	0 24	21 11	0 29	11 28	1 37	23 39	0 13	3 31	1 34	23 27	7 38	8 5	8 9	3 18	16 10	4 41
T 21	20 35	22 51	3 6	22 52	1 5	15 19	1 35	23 51	0 25	21 13	0 29	11 26	1 37	23 39	0 13	3 32	1 34	23 26	7 38	8 4	8 7	3 22	16 10	4 41
F 22	20 24	25 57	3 53	22 39	1 12	14 54	1 35	23 52	0 26	21 14	0 29	11 23	1 37	23 39	0 13	3 32	1 34	23 26	7 38	8 2	8 6	3 25	16 10	4 41
S 23	20 12	27 49	4 30	22 23	1 19	14 29	1 34	23 53	0 26	21 16	0 29	11 21	1 37	23 39	0 13	3 33	1 34	23 25	7 38	7 59	8 5	3 29	16 10	4 41
S 24	20 0	28 8	4 54	22 5	1 25	14 4	1 34	23 54	0 27	21 17	0 30	11 18	1 37	23 39	0 13	3 33	1 34	23 24	7 38	7 55	8 4	3 32	16 10	4 40
M25	19 47	26 45	5 1	21 44	1 31	13 38	1 33	23 54	0 28	21 19	0 30	11 16	1 37	23 39	0 13	3 33	1 34	23 24	7 38	7 51	8 3	3 35	16 10	4 40
T 26	19 34	23 42	4 51	21 21	1 35	13 12	1 33	23 55	0 28	21 21	0 30	11 13	1 37	23 38	0 13	3 34	1 34	23 23	7 38	7 47	8 1	3 39	16 10	4 40
W27	19 21	19 9	4 22	20 56	1 39	12 46	1 32	23 55	0 29	21 22	0 30	11 11	1 37	23 38	0 13	3 34	1 34	23 23	7 38	7 43	8 0	3 42	16 10	4 40
T 28	19 7	13 27	3 37	20 28	1 42	12 19	1 31	23 54	0 30	21 24	0 30	11 8	1 37	23 38	0 13	3 35	1 34	23 22	7 38	7 40	7 59	3 46	16 10	4 40
F 29	18 54	7 1	2 37	19 58	1 44	11 52	1 30	23 54	0 30	21 25	0 30	11 6	1 37	23 38	0 13	3 35	1 34	23 22	7 38	7 38	7 58	3 49	16 11	4 39
S 30	18 39	0 13	1 27	19 27	1 46	11 25	1 29	23 53	0 31	21 27	0 30	11 3	1 37	23 38	0 13	3 36	1 34	23 21	7 38	7 36	7 57	3 52	16 11	4 39
S 31	18n25	6s33	0n12	18n54	1n47	10n57	1n28	23n53	0n32	21s28	0s30	11n 1	1n37	23n38	0n13	3s36	1n34	23n21	7n38	7n36	7n55	3n56	16s11	4n39

Julian Day Number = 2433098.5, Delta T = 28.75 sec
Ecliptic obliquity = 23°26'53, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°02'06, Lahiri = 23°09'06

ASTRODIENST EPHEMERIS for the year 1949
geocentric

AUGUST 1949

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 37 5	8♂24°28	1♂20	14♂ 3	6♂28	5♂52	25°R47	5♂35	2♂59	12♂47	15♂56	19°R25	20°Y13	11°Y50	2°R52	M 1
T 2	20 41 1	9°21'52	15°21	16° 3	7°41	6°32	25♂39	5°42	3° 2	12°48	15°58	19°Y25	20°10	11°57	2♂52	T 2
W 3	20 44 58	10°19'18	29°11	18° 1	8°54	7°12	25°32	5°49	3° 5	12°49	16° 0	19°24	20° 6	12° 3	2°52	W 3
T 4	20 48 55	11°16'44	12♂51	19°58	10° 6	7°52	25°25	5°56	3° 8	12°50	16° 2	19°20	20° 3	12°10	2°D52	T 4
F 5	20 52 51	12°14'10	26°20	21°53	11°19	8°32	25°18	6° 3	3°11	12°52	16° 3	19°14	20° 0	12°16	2°52	F 5
S 6	20 56 48	13°11'38	9♂37	23°47	12°31	9°11	25°11	6°10	3°14	12°53	16° 5	19° 6	19°57	12°23	2°52	S 6
S 7	21 0 44	14° 9'06	22°42	25°39	13°43	9°51	25° 4	6°18	3°17	12°54	16° 7	18°56	19°54	12°30	2°52	S 7
M 8	21 4 41	15° 6'35	5♂34	27°30	14°56	10°31	24°57	6°25	3°20	12°56	16° 9	18°45	19°51	12°36	2°52	M 8
T 9	21 8 37	16° 4'06	18°13	29°19	16° 8	11°10	24°50	6°32	3°23	12°57	16°11	18°34	19°47	12°43	2°53	T 9
W10	21 12 34	17° 1'37	0♂38	1♂ 7	17°20	11°50	24°43	6°39	3°26	12°58	16°13	18°24	19°44	12°50	2°53	W10
T 11	21 16 30	17°59'09	12°51	2°53	18°33	12°29	24°37	6°47	3°29	13° 0	16°14	18°17	19°41	12°56	2°54	T 11
F 12	21 20 27	18°56'43	24°52	4°37	19°45	13° 8	24°30	6°54	3°31	13° 1	16°16	18°12	19°38	13° 3	2°55	F 12
S 13	21 24 24	19°54'18	6°Y45	6°20	20°57	13°48	24°24	7° 1	3°34	13° 3	16°18	18° 9	19°35	13°10	2°56	S 13
S 14	21 28 20	20°51'54	18°33	8° 2	22° 9	14°27	24°18	7° 9	3°37	13° 4	16°20	18°D 8	19°32	13°16	2°56	S 14
M15	21 32 17	21°49'32	0♂21	9°42	23°22	15° 6	24°12	7°16	3°40	13° 6	16°22	18° 9	19°28	13°23	2°57	M15
T 16	21 36 13	22°47'12	12°12	11°20	24°34	15°45	24° 6	7°23	3°42	13° 7	16°24	18°10	19°25	13°30	2°59	T 16
W17	21 40 10	23°44'53	24°13	12°57	25°46	16°24	24° 0	7°31	3°45	13° 9	16°25	18°R10	19°22	13°36	3° 0	W17
T 18	21 44 6	24°42'35	6♂29	14°33	26°58	17° 4	23°54	7°38	3°47	13°11	16°27	18°10	19°19	13°43	3° 1	T 18
F 19	21 48 3	25°40'19	19° 4	16° 7	28°10	17°43	23°49	7°46	3°50	13°12	16°29	18° 7	19°16	13°49	3° 3	F 19
S 20	21 51 59	26°38'05	2♂ 3	17°40	29°22	18°21	23°43	7°53	3°52	13°14	16°31	18° 2	19°12	13°56	3° 4	S 20
S 21	21 55 56	27°35'53	15°29	19°11	0♂34	19° 0	23°38	8° 1	3°55	13°16	16°33	17°56	19° 9	14° 3	3° 6	S 21
M22	21 59 53	28°33'42	29°20	20°41	1°46	19°39	23°33	8° 8	3°57	13°17	16°34	17°48	19° 6	14° 9	3° 7	M22
T 23	22 3 49	29°31'33	13♂26	22° 9	2°58	20°18	23°28	8°16	4° 0	13°19	16°36	17°41	19° 3	14°16	3° 9	T 23
W24	22 7 46	0♂29'25	28°12	23°36	4°10	20°57	23°23	8°23	4° 2	13°21	16°38	17°34	19° 0	14°23	3°11	W24
T 25	22 11 42	1°27'18	13♂ 1	25° 1	5°22	21°35	23°18	8°31	4° 4	13°22	16°40	17°28	18°57	14°29	3°13	T 25
F 26	22 15 39	2°25'13	27°54	26°25	6°33	22°14	23°14	8°38	4° 7	13°24	16°42	17°25	18°53	14°36	3°15	F 26
S 27	22 19 35	3°23'10	12♂43	27°47	7°45	22°52	23°10	8°46	4° 9	13°26	16°43	17°D23	18°50	14°43	3°17	S 27
S 28	22 23 32	4°21'07	27°23	29° 8	8°57	23°31	23° 5	8°53	4°11	13°28	16°45	17°23	18°47	14°49	3°19	S 28
M29	22 27 28	5°19'06	11♂48	0♂27	10° 9	24° 9	23° 1	9° 1	4°13	13°30	16°47	17°24	18°44	14°56	3°22	M29
T 30	22 31 25	6°17'07	25°56	1°44	11°20	24°48	22°58	9° 8	4°15	13°31	16°49	17°26	18°41	15° 3	3°24	T 30
W31	22 35 22	7♂15'08	9♂46	3♂ 0	12♂32	25♂26	22♂54	9♂16	4♂17	13♂33	16♂50	17°R26	18°Y38	15°Y 9	3♂27	W31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	18n10	12s56	1 s 3	18n19	1n47	10n29	1n27	23n52	0n32	21s30	0s31	10n58	1n37	23n38	0n13	3s37	1n34	23n20	7n38	7n36	7n54	3n59	16s11	4n39						
T 2	17 55	18 34	2 13	17 43	1 46	10 1	1 26	23 50	0 33	21 31	0 31	10 55	1 37	23 38	0 13	3 37	1 34	23 20	7 38	7 36	7 53	4 3	16 11	4 38						
W 3	17 40	23 9	3 15	17 6	1 45	9 33	1 25	23 49	0 34	21 33	0 31	10 53	1 37	23 38	0 13	3 38	1 34	23 19	7 38	7 36	7 52	4 6	16 11	4 38						
T 4	17 24	26 23	4 4	16 28	1 43	9 4	1 23	23 47	0 34	21 34	0 31	10 50	1 37	23 38	0 13	3 38	1 34	23 19	7 38	7 34	7 51	4 9	16 12	4 38						
F 5	17 8	28 3	4 39	15 48	1 41	8 35	1 22	23 46	0 35	21 36	0 31	10 48	1 37	23 38	0 13	3 39	1 34	23 18	7 38	7 32	7 49	4 13	16 12	4 38						
S 6	16 52	28 4	4 59	15 8	1 38	8 6	1 20	23 44	0 36	21 37	0 31	10 45	1 37	23 38	0 13	3 39	1 34	23 18	7 38	7 29	7 48	4 16	16 12	4 37						
S 7	16 35	26 30	5 2	14 27	1 34	7 37	1 19	23 41	0 36	21 38	0 31	10 42	1 37	23 38	0 13	3 40	1 34	23 17	7 38	7 25	7 47	4 20	16 12	4 37						
M 8	16 19	23 34	4 50	13 46	1 30	7 7	1 17	23 39	0 37	21 40	0 31	10 40	1 37	23 38	0 13	3 40	1 34	23 17	7 38	7 21	7 46	4 23	16 13	4 37						
T 9	16 2	19 33	4 24	13 4	1 26	6 38	1 15	23 36	0 38	21 41	0 31	10 37	1 37	23 38	0 13	3 41	1 33	23 16	7 38	7 17	7 45	4 26	16 13	4 37						
W10	15 44	14 46	3 46	12 21	1 21	6 8	1 14	23 34	0 39	21 42	0 31	10 34	1 37	23 38	0 13	3 41	1 33	23 16	7 39	7 13	7 43	4 30	16 13	4 36						
T 11	15 27	9 28	2 57	11 38	1 16	5 38	1 12	23 31	0 39	21 44	0 32	10 32	1 37	23 38	0 13	3 42	1 33	23 15	7 39	7 10	7 42	4 33	16 14	4 36						
F 12	15 9	3 54	2 1	10 55	1 11	5 8	1 10	23 28	0 40	21 45	0 32	10 29	1 37	23 38	0 13	3 43	1 33	23 15	7 39	7 8	7 41	4 37	16 14	4 36						
S 13	14 51	1n45	1 1	10 12	1 5	4 37	1 8	23 24	0 41	21 46	0 32	10 26	1 37	23 38	0 14	3 43	1 33	23 14	7 39	7 7	7 40	4 40	16 15	4 36						
S 14	14 33	7 19	0n 2	9 28	0 58	4 7	1 6	23 21	0 41	21 47	0 32	10 23	1 37	23 37	0 14	3 44	1 33	23 14	7 39	7 7	7 39	4 43	16 15	4 35						
M15	14 14	12 37	1 5	8 44	0 52	3 37	1 4	23 17	0 42	21 48	0 32	10 21	1 37	23 37	0 14	3 44	1 33	23 13	7 39	7 7	7 37	4 47	16 16	4 35						
T 16	13 56	17 30	2 6	8 1	0 45	3 6	1 1	23 13	0 43	21 49	0 32	10 18	1 37	23 37	0 14	3 45	1 33	23 13	7 39	7 8	7 36	4 50	16 16	4 35						
W17	13 37	21 46	3 2	7 17	0 38	2 35	0 59	23 9	0 43	21 51	0 32	10 15	1 37	23 37	0 14	3 46	1 33	23 12	7 39	7 8	7 35	4 54	16 16	4 34						
T 18	13 17	25 11	3 50	6 33	0 31	2 4	0 57	23 5	0 44	21 52	0 32	10 12	1 37	23 37	0 14	3 46	1 33	23 12	7 39	7 7	7 34	4 57	16 17	4 34						
F 19	12 58	27 28	4 29	5 50	0 23	1 34	0 54	23 1	0 45	21 53	0 32	10 10	1 37	23 37	0 14	3 47	1 33	23 11	7 39	7 6	7 33	5 0	16 18	4 34						
S 20	12 38	28 22	4 56	5 7	0 15	1 3	0 52	22 56	0 45	21 54	0 32	10 7	1 37	23 37	0 14	3 48	1 33	23 11	7 39	7 5	7 31	5 4	16 18	4 34						
S 21	12 19	27 38	5 7	4 24	0 7	0 32	0 49	22 51	0 46	21 55	0 32	10 4	1 37	23 37	0 14	3 48	1 33	23 10	7 40	7 2	7 30	5 7	16 19	4 33						
M22	11 59	25 12	5 1	3 41	0s 1	0 1	0 47	22 47	0 47	21 56	0 32	10 1	1 37	23 37	0 14	3 49	1 33	23 10	7 40	6 59	7 29	5 11	16 19	4 33						
T 23	11 39	21 10	4 37	2 59	0 9	0s30	0 44	22 42	0 47	21 57	0 32	9 58	1 37	23 37	0 14	3 50	1 33	23 10	7 40	6 56	7 28	5 14	16 20	4 33						
W24	11 18	15 46	3 54	2 16	0 18	1 1	0 41	22 36	0 48	21 57	0 33	9 56	1 37	23 37	0 14	3 50	1 33	23 9	7 40	6 54	7 27	5 17	16 20	4 33						
T 25	10 58	9 22	2 55	1 35	0 26	1 32	0 39	22 31	0 49	21 58	0 33	9 53	1 37	23 37	0 14	3 51	1 33	23 9	7 40	6 52	7 25	5 21	16 21	4 32						
F 26	10 37	2 25	1 44	0 54	0 35	2 3	0 36	22 25	0 49	21 59	0 33	9 50	1 37	23 37	0 14	3 52	1 33	23 8	7 40	6 50	7 24	5 24	16 22	4 32						
S 27	10 16	4s38	0 25	0 13	0 44	2 34	0 33	22 20	0 50	22 0	0 33	9 47	1 37	23 37	0 14	3 53	1 33	23 8	7 40	6 50	7 23	5 27	16 22	4 32						
S 28	9 55	11 23	0s54	0s27	0 52	3 5	0 30	22 14	0 51	22 1	0 33	9 45	1 37	23 37	0 14	3 53	1 33	23 7	7 40	6 50	7 22	5 31	16 23	4 32						
M29	9 34	17 25	2 9	1 7	1 1	3 36	0 27	22 8	0 51	22 1	0 33	9 42	1 37	23 37	0 14	3 54	1 33	23 7	7 41	6 50	7 20	5 34	16 24	4 31						
T 30	9 13	22 23	3 14	1 46	1 10	4 7	0 24	22 2	0 52	22 2	0 33	9 39	1 37	23 37	0 14	3 55	1 33	23 6	7 41	6 51	7 19	5 38	16 24	4 31						
W31	8n51	25s59	4s 6	2s24	1s19	4s38	0n21	21n55	0n53	22s 3	0s33	9n36	1n37	23n37	0n14	3s56	1n33	23n 6	7n41	6n51	7n18	5n41	16s25	4n31						

Julian Day Number = 2433129.5, Delta T = 28.78 sec
Ecliptic obliquity = 23°26'54", Nutation = - 0°00'05", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°02'10", Lahiri = 23°09'10"

ASTRODIENST EPHEMERIS for the year 1949

geocentric

SEPTEMBER 1949

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 39 18	8 ^h 13'12"	23 ^h 18'	4 ^h 14'	13 ^h 43'	26 ^h 4'	22 ^h R51	9 ^h 24'	4 ^h 19'	13 ^h 35'	16 ^h 52'	17 ^h R25	18 ^h Y34	15 ^h Y16	3 ^h 29'	T 1
F 2	22 43 15	9 ^h 11'16"	6 ^h 33'	5 ^h 26'	14 ^h 55'	26 ^h 42'	22 ^h 347	9 ^h 31'	4 ^h 21'	13 ^h 37'	16 ^h 54'	17 ^h Y22	18 ^h 31'	15 ^h 23'	3 ^h 32'	F 2
S 3	22 47 11	10 ^h 9'22"	19 ^h 33'	6 ^h 36'	16 ^h 6'	27 ^h 21'	22 ^h 44'	9 ^h 39'	4 ^h 23'	13 ^h 39'	16 ^h 56'	17 ^h 18'	18 ^h 28'	15 ^h 29'	3 ^h 35'	S 3
S 4	22 51 8	11 ^h 7'29"	2 ^h 19'	7 ^h 44'	17 ^h 18'	27 ^h 59'	22 ^h 41'	9 ^h 46'	4 ^h 25'	13 ^h 41'	16 ^h 57'	17 ^h 12'	18 ^h 25'	15 ^h 36'	3 ^h 38'	S 4
M 5	22 55 4	12 ^h 5'38"	14 ^h 52'	8 ^h 49'	18 ^h 29'	28 ^h 37'	22 ^h 39'	9 ^h 54'	4 ^h 27'	13 ^h 43'	16 ^h 59'	17 ^h 6'	18 ^h 22'	15 ^h 42'	3 ^h 41'	M 5
T 6	22 59 1	13 ^h 3'48"	27 ^h 14'	9 ^h 53'	19 ^h 41'	29 ^h 14'	22 ^h 36'	10 ^h 1'	4 ^h 29'	13 ^h 45'	17 ^h 1'	17 ^h 0'	18 ^h 18'	15 ^h 49'	3 ^h 44'	T 6
W 7	23 2 57	14 ^h 2'00"	9 ^h 25'	10 ^h 54'	20 ^h 52'	29 ^h 52'	22 ^h 34'	10 ^h 9'	4 ^h 31'	13 ^h 47'	17 ^h 2'	16 ^h 55'	18 ^h 15'	15 ^h 56'	3 ^h 47'	W 7
T 8	23 6 54	15 ^h 0'14"	21 ^h 27'	11 ^h 53'	22 ^h 3'	0 ^h 30'	22 ^h 31'	10 ^h 17'	4 ^h 32'	13 ^h 49'	17 ^h 4'	16 ^h 51'	18 ^h 12'	16 ^h 2'	3 ^h 50'	T 8
F 9	23 10 51	15 ^h 58'30"	3 ^h Y21	12 ^h 49'	23 ^h 14'	1 ^h 8'	22 ^h 29'	10 ^h 24'	4 ^h 34'	13 ^h 51'	17 ^h 6'	16 ^h 49'	18 ^h 9'	16 ^h 9'	3 ^h 54'	F 9
S 10	23 14 47	16 ^h 56'47"	15 ^h 11'	13 ^h 42'	24 ^h 25'	1 ^h 46'	22 ^h 28'	10 ^h 32'	4 ^h 36'	13 ^h 53'	17 ^h 7'	16 ^h D48	18 ^h 6'	16 ^h 16'	3 ^h 57'	S 10
S 11	23 18 44	17 ^h 55'06"	26 ^h 57'	14 ^h 32'	25 ^h 36'	2 ^h 23'	22 ^h 26'	10 ^h 39'	4 ^h 37'	13 ^h 55'	17 ^h 9'	16 ^h 48'	18 ^h 3'	16 ^h 22'	4 ^h 1'	S 11
M12	23 22 40	18 ^h 53'28"	8 ^h 45'	15 ^h 19'	26 ^h 47'	3 ^h 1'	22 ^h 25'	10 ^h 47'	4 ^h 39'	13 ^h 57'	17 ^h 11'	16 ^h 49'	17 ^h 59'	16 ^h 29'	4 ^h 4'	M12
T 13	23 26 37	19 ^h 51'51"	20 ^h 37'	16 ^h 2'	27 ^h 58'	3 ^h 38'	22 ^h 23'	10 ^h 54'	4 ^h 40'	13 ^h 59'	17 ^h 12'	16 ^h 51'	17 ^h 56'	16 ^h 36'	4 ^h 8'	T 13
W14	23 30 33	20 ^h 50'17"	2 ^h 11'	16 ^h 42'	29 ^h 9'	4 ^h 16'	22 ^h 22'	11 ^h 2'	4 ^h 42'	14 ^h 1'	17 ^h 14'	16 ^h 53'	17 ^h 53'	16 ^h 42'	4 ^h 12'	W14
T 15	23 34 30	21 ^h 48'44"	14 ^h 52'	17 ^h 17'	0 ^h 11'	4 ^h 53'	22 ^h 22'	11 ^h 9'	4 ^h 43'	14 ^h 3'	17 ^h 15'	16 ^h 54'	17 ^h 50'	16 ^h 49'	4 ^h 16'	T 15
F 16	23 38 26	22 ^h 47'14"	27 ^h 25'	17 ^h 49'	1 ^h 31'	5 ^h 30'	22 ^h 21'	11 ^h 17'	4 ^h 44'	14 ^h 5'	17 ^h 17'	16 ^h R54	17 ^h 47'	16 ^h 56'	4 ^h 20'	F 16
S 17	23 42 23	23 ^h 45'46"	10 ^h 20'	18 ^h 15'	2 ^h 42'	6 ^h 8'	22 ^h 21'	11 ^h 24'	4 ^h 46'	14 ^h 8'	17 ^h 18'	16 ^h 53'	17 ^h 43'	17 ^h 2'	4 ^h 24'	S 17
S 18	23 46 20	24 ^h 44'21"	23 ^h 41'	18 ^h 37'	3 ^h 52'	6 ^h 45'	22 ^h 20'	11 ^h 32'	4 ^h 47'	14 ^h 10'	17 ^h 20'	16 ^h 51'	17 ^h 40'	17 ^h 9'	4 ^h 28'	S 18
M19	23 50 16	25 ^h 42'57"	7 ^h 13'	18 ^h 53'	5 ^h 3'	7 ^h 22'	22 ^h D20	11 ^h 39'	4 ^h 48'	14 ^h 12'	17 ^h 21'	16 ^h 49'	17 ^h 37'	17 ^h 15'	4 ^h 32'	M19
T 20	23 54 13	26 ^h 41'36"	21 ^h 45'	19 ^h 3'	6 ^h 14'	7 ^h 59'	22 ^h 20'	11 ^h 47'	4 ^h 49'	14 ^h 14'	17 ^h 23'	16 ^h 46'	17 ^h 34'	17 ^h 22'	4 ^h 36'	T 20
W21	23 58 9	27 ^h 40'16"	6 ^h 11'	19 ^h R 7	7 ^h 24'	8 ^h 36'	22 ^h 21'	11 ^h 54'	4 ^h 50'	14 ^h 16'	17 ^h 24'	16 ^h 43'	17 ^h 31'	17 ^h 29'	4 ^h 40'	W21
T 22	0 2 6	28 ^h 38'59"	21 ^h 23'	19 ^h 5'	8 ^h 35'	9 ^h 13'	22 ^h 21'	12 ^h 1'	4 ^h 51'	14 ^h 18'	17 ^h 26'	16 ^h 41'	17 ^h 28'	17 ^h 35'	4 ^h 45'	T 22
F 23	0 6 2	29 ^h 37'44"	6 ^h 13'	18 ^h 56'	9 ^h 45'	9 ^h 50'	22 ^h 22'	12 ^h 9'	4 ^h 52'	14 ^h 20'	17 ^h 27'	16 ^h 40'	17 ^h 24'	17 ^h 42'	4 ^h 49'	F 23
S 24	0 9 59	0 ^h 36'30"	21 ^h 38'	18 ^h 40'	10 ^h 55'	10 ^h 27'	22 ^h 23'	12 ^h 16'	4 ^h 53'	14 ^h 23'	17 ^h 29'	16 ^h D40	17 ^h 21'	17 ^h 49'	4 ^h 54'	S 24
S 25	0 13 55	1 ^h 35'19"	6 ^h 11'	18 ^h 16'	12 ^h 6'	11 ^h 3'	22 ^h 24'	12 ^h 23'	4 ^h 54'	14 ^h 25'	17 ^h 30'	16 ^h 41'	17 ^h 18'	17 ^h 55'	4 ^h 58'	S 25
M26	0 17 52	2 ^h 34'09"	21 ^h 22'	17 ^h 45'	13 ^h 16'	11 ^h 40'	22 ^h 25'	12 ^h 31'	4 ^h 55'	14 ^h 27'	17 ^h 32'	16 ^h 42'	17 ^h 15'	18 ^h 2'	5 ^h 3'	M26
T 27	0 21 49	3 ^h 33'01"	5 ^h 14'	17 ^h 7'	14 ^h 26'	12 ^h 17'	22 ^h 27'	12 ^h 38'	4 ^h 56'	14 ^h 29'	17 ^h 33'	16 ^h 43'	17 ^h 12'	18 ^h 9'	5 ^h 8'	T 27
W28	0 25 45	4 ^h 31'55"	19 ^h 43'	16 ^h 22'	15 ^h 36'	12 ^h 53'	22 ^h 28'	12 ^h 45'	4 ^h 56'	14 ^h 31'	17 ^h 34'	16 ^h 44'	17 ^h 9'	18 ^h 15'	5 ^h 13'	W28
T 29	0 29 42	5 ^h 30'51"	3 ^h 18'	15 ^h 30'	16 ^h 46'	13 ^h 30'	22 ^h 30'	12 ^h 52'	4 ^h 57'	14 ^h 34'	17 ^h 36'	16 ^h R44	17 ^h 5'	18 ^h 22'	5 ^h 18'	T 29
F 30	0 33 38	6 ^h 29'48"	16 ^h 30'	14 ^h 33'	17 ^h 15'	14 ^h 6'	22 ^h 32'	12 ^h 59'	4 ^h 58'	14 ^h 36'	17 ^h 37'	16 ^h Y44	17 ^h Y 2	18 ^h Y29	5 ^h 23'	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	decl	lat
T 1	8n29	28s 0	4s44	3s 2	1s28	5s 9	0n18	21n49	0n53	22s 3	0s33	9n33	1n37	23n37	0n14	3s56	1n33	23n 6	7n41	6n50	7n17	5n44	16s26	4n31			
F 2	8 8	28 22	5 5	3 39	1 38	5 39	0 15	21 42	0 54	22 4	0 33	9 30	1 38	23 36	0 14	3 57	1 33	23 5	7 41	6 49	7 16	5 48	16 27	4 30			
S 3	7 46	27 9	5 11	4 15	1 47	6 10	0 11	21 36	0 55	22 4	0 33	9 28	1 38	23 36	0 14	3 58	1 33	23 5	7 41	6 48	7 14	5 51	16 27	4 30			
S 4	7 24	24 31	5 0	4 50	1 55	6 40	0 8	21 29	0 55	22 5	0 33	9 25	1 38	23 36	0 14	3 59	1 33	23 5	7 41	6 46	7 13	5 54	16 28	4 30			
M 5	7 2	20 46	4 35	5 24	2 4	7 11	0 5	21 22	0 56	22 5	0 33	9 22	1 38	23 36	0 14	3 59	1 33	23 4	7 42	6 43	7 12	5 58	16 29	4 30			
T 6	6 39	16 10	3 58	5 58	2 13	7 41	0 1	21 14	0 57	22 6	0 33	9 19	1 38	23 36	0 14	4 0	1 33	23 4	7 42	6 41	7 11	6 1	16 30	4 29			
W 7	6 17	10 59	3 10	6 30	2 22	8 11	0s 2	21 7	0 57	22 6	0 33	9 16	1 38	23 36	0 14	4 1	1 33	23 3	7 42	6 39	7 10	6 5	16 31	4 29			
T 8	5 55	5 27	2 14	7 1	2 31	8 40	0 5	21 0	0 58	22 7	0 33	9 14	1 38	23 36	0 14	4 2	1 33	23 3	7 42	6 37	7 8	6 8	16 31	4 29			
F 9	5 32	0n13	1 13	7 30	2 39	9 10	0 9	20 52	0 59	22 7	0 33	9 11	1 38	23 36	0 14	4 3	1 33	23 3	7 42	6 36	7 7	6 11	16 32	4 29			
S 10	5 9	5 51	0 9	7 59	2 47	9 40	0 12	20 44	0 59	22 7	0 33	9 8	1 38	23 36	0 14	4 3	1 33	23 2	7 42	6 36	7 6	6 15	16 33	4 28			
S 11	4 47	11 15	0n56	8 25	2 55	10 9	0 16	20 37	1 0	22 8	0 33	9 5	1 38	23 36	0 14	4 4	1 33	23 2	7 43	6 36	7 5	6 18	16 34	4 28			
M12	4 24	16 17	1 58	8 51	3 3	10 38	0 19	20 29	1 1	22 8	0 33	9 2	1 38	23 36	0 14	4 5	1 33	23 2	7 43	6 37	7 4	6 21	16 35	4 28			
T 13	4 1	20 44	2 55	9 14	3 10	11 7	0 23	20 21	1 1	22 8	0 33	9 0	1 38	23 36	0 14	4 6	1 33	23 1	7 43	6 37	7 2	6 25	16 36	4 28			
W14	3 38	24 23	3 46	9 36	3 18	11 35	0 27	20 12	1 2	22 8	0 33	8 57	1 38	23 36	0 14	4 7	1 33	23 1	7 43	6 38	7 1	6 28	16 37	4 27			
T 15	3 15	27 1	4 28	9 56	3 24	12 4	0 30	20 4	1 3	22 8	0 33	8 54	1 38	23 36	0 14	4 7	1 33	23 1	7 43	6 39	7 0	6 32	16 38	4 27			
F 16	2 52	28 23	4 57	10 14	3 30	12 32	0 34	19 56	1 3	22 9	0 33	8 51	1 39	23 36	0 14	4 8	1 32	23 0	7 44	6 39	6 59	6 35	16 39	4 27			
S 17	2 29	28 15	5 13	10 29	3 36	13 0	0 37	19 47	1 4	22 9	0 33	8 49	1 39	23 36	0 14	4 9	1 32	23 0	7 44	6 38	6 57	6 38	16 39	4 27			
S 18	2 5	26 31	5 13	10 42	3 41	13 27	0 41	19 38	1 5	22 9	0 33	8 46	1 39	23 36	0 14	4 10	1 32	23 0	7 44	6 37	6 56	6 42	16 40	4 26			
M19	1 42	23 9	4 55	10 52	3 45	13 55	0 45	19 29	1 5	22 9	0 33	8 43	1 39	23 36	0 14	4 11	1 32	23 0	7 44	6 36	6 55	6 45	16 41	4 26			
T 20	1 19	18 20	4 19	10 59	3 49	14 22	0 48	19 21	1 6	22 9	0 33	8 40	1 39	23 36	0 14	4 12	1 32	22 59	7 44	6 35	6 54	6 48	16 42	4 26			
W21	0 56	12 20	3 25	11 3	3 51	14 49	0 52	19 12	1 7	22 9	0 34	8 38	1 39	23 36	0 14	4 12	1 32	22 59	7 45	6 34	6 53	6 52	16 43	4 26			
T 22	0 32	5 30	2 15	11 4	3 53	15 15	0 56	19 2	1 8	22 9	0 34	8 35	1 39	23 36	0 14	4 13	1 32	22 59	7 45	6 34	6 51	6 55	16 44	4 26			
F 23	0 9	1s44	0 56	11 1	3 53	15 41	1 0	18 53	1 8	22 9	0 34	8 32	1 39	23 36	0 14	4 14	1 32	22 58	7 45	6 33	6 50	6 58	16 45	4 25			
S 24	0s15	8 52	0s28	10 54	3 52	16 7	1 3	18 44	1 9	22 8	0 34	8 29	1 39	23 36	0 14	4 15	1 32	22 58	7 45	6 33	6 49	7 2	16 46	4 25			
S 25	0 38	15 26	1 48	10 43	3 50	16 32	1 7	18 35	1 10	22 8	0 34	8 27	1 39	23 36	0 14	4 16	1 32	22 58	7 45	6 33	6 48	7 5	16 47	4 25			
M26	1 1	21 1	3 1	10 27	3 46	16 57	1 11	18 25	1 10	22 8	0 34	8 24	1 40	23 36	0 14	4 17	1 32	22 58	7 46	6 34	6 47	7 8	16 48	4 25			
T 27	1 25	25 12	4 0	10 7	3 41	17 22	1 14	18 15	1 11	22 8	0 34	8 21	1 40	23 36	0 14	4 18	1 32	22 58	7 46	6 34	6 45	7 12	16 49	4 25			
W28	1 48	27 45	4 43	9 43	3 33	17 46	1 18	18 6	1 12	22 8	0 34	8 19	1 40	23 36	0 14	4 18	1 32	22 57	7 46	6 35	6 44	7 15	16 50	4 24			
T 29	2 11	28 33	5 9	9 14	3 24	18 10	1 22	17 56	1 12	22 7	0 34	8 16	1 40	23 36	0 14	4 19	1 32	22 57	7 46	6 35	6 43	7 19	16 51	4 24			
F 30	2s35	27s40	5s17	8s42	3s13	18s33	1s26	17n46	1n13	22s 7	0s34	8n13	1n40	23n36	0n14	4s20	1n32	22n57	7n47	6n35	6n42	7n22	16s52	4n24			

ASTRODIENST EPHEMERIS for the year 1949

geocentric

OCTOBER 1949

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 37 35	7♂28'47	29♂21	13°R30	19♂6	14♂42	22♂35	13♂7	4♂58	14♂38	17♂38	16°R43	16°V59	18°V35	5♂28	S 1
S 2	0 41 31	8°27'48	11♂55	12♂23	20°16	15°19	22°37	13°14	4°59	14°40	17°39	16°V42	16°56	18°42	5°33	S 2
M 3	0 45 28	9°26'51	24°15	11°15	21°25	15°55	22°40	13°21	4°59	14°42	17°41	16°41	16°53	18°49	5°38	M 3
T 4	0 49 24	10°25'55	6♂23	10°6	22°35	16°31	22°43	13°28	5°0	14°45	17°42	16°40	16°49	18°55	5°43	T 4
W 5	0 53 21	11°25'01	18°23	8°58	23°44	17°7	22°46	13°35	5°0	14°47	17°43	16°40	16°46	19°2	5°49	W 5
T 6	0 57 18	12°24'09	0°V16	7°53	24°54	17°43	22°49	13°42	5°0	14°49	17°44	16°39	16°43	19°8	5°54	T 6
F 7	1 1 14	13°23'19	12°6	6°53	26°3	18°19	22°52	13°49	5°1	14°51	17°46	16°D39	16°40	19°15	5°59	F 7
S 8	1 5 11	14°22'32	23°53	6°0	27°12	18°54	22°56	13°56	5°1	14°54	17°47	16°39	16°37	19°22	6°5	S 8
S 9	1 9 7	15°21'46	5♂41	5°15	28°21	19°30	23°0	14°3	5°1	14°56	17°48	16°39	16°34	19°28	6°10	S 9
M10	1 13 4	16°21'02	17°32	4°40	29°30	20°6	23°4	14°9	5°1	14°58	17°49	16°R39	16°30	19°35	6°16	M10
T 11	1 17 0	17°20'21	29°29	4°15	0♂39	20°41	23°8	14°16	5°R 1	15°0	17°50	16°39	16°27	19°42	6°22	T 11
W12	1 20 57	18°19'42	11♂34	4°0	1°48	21°17	23°12	14°23	5°1	15°3	17°51	16°39	16°24	19°48	6°27	W12
T 13	1 24 53	19°19'05	23°51	3°D57	2°57	21°52	23°17	14°30	5°1	15°5	17°52	16°39	16°21	19°55	6°33	T 13
F 14	1 28 50	20°18'31	6♂23	4°4	4°6	22°27	23°21	14°36	5°1	15°7	17°53	16°38	16°18	20°2	6°39	F 14
S 15	1 32 47	21°17'59	19°14	4°22	5°14	23°3	23°26	14°43	5°1	15°9	17°54	16°D38	16°15	20°8	6°45	S 15
S 16	1 36 43	22°17'29	2♂28	4°50	6°22	23°38	23°31	14°49	5°0	15°11	17°55	16°38	16°11	20°15	6°51	S 16
M17	1 40 40	23°17'01	16°6	5°28	7°31	24°13	23°36	14°56	5°0	15°14	17°56	16°39	16°8	20°22	6°57	M17
T 18	1 44 36	24°16'36	0♂10	6°14	8°39	24°48	23°42	15°2	5°0	15°16	17°57	16°39	16°5	20°28	7°3	T 18
W19	1 48 33	25°16'13	14°40	7°8	9°47	25°23	23°47	15°9	4°59	15°18	17°58	16°40	16°2	20°35	7°9	W19
T 20	1 52 29	26°15'52	29°30	8°9	10°55	25°58	23°53	15°15	4°59	15°20	17°59	16°41	15°59	20°41	7°15	T 20
F 21	1 56 26	27°15'33	14♂36	9°16	12°3	26°32	23°59	15°21	4°59	15°23	17°59	16°R41	15°55	20°48	7°22	F 21
S 22	2 0 22	28°15'17	29°48	10°29	13°11	27°7	24°5	15°28	4°58	15°25	18°0	16°41	15°52	20°55	7°28	S 22
S 23	2 4 19	29°15'02	14♂58	11°47	14°18	27°41	24°11	15°34	4°57	15°27	18°1	16°40	15°49	21°1	7°34	S 23
M24	2 8 15	0♂14'50	29°55	13°9	15°26	28°16	24°17	15°40	4°57	15°29	18°2	16°39	15°46	21°8	7°40	M24
T 25	2 12 12	1°14'39	14♂32	14°34	16°33	28°50	24°24	15°46	4°56	15°31	18°3	16°37	15°43	21°15	7°47	T 25
W26	2 16 9	2°14'30	28°44	16°2	17°40	29°24	24°30	15°52	4°55	15°33	18°3	16°35	15°40	21°21	7°53	W26
T 27	2 20 5	3°14'23	12♂29	17°32	18°47	29°59	24°37	15°58	4°55	15°36	18°4	16°33	15°36	21°28	8°0	T 27
F 28	2 24 2	4°14'17	25°45	19°5	19°54	0♂33	24°44	16°4	4°54	15°38	18°5	16°32	15°33	21°35	8°6	F 28
S 29	2 27 58	5°14'13	8♂37	20°39	21°0	1°7	24°51	16°10	4°53	15°40	18°5	16°D32	15°30	21°41	8°13	S 29
S 30	2 31 55	6°14'11	21°8	22°14	22°7	1°40	24°59	16°16	4°52	15°42	18°6	16°33	15°27	21°48	8°20	S 30
M31	2 35 51	7♂14'10	3♂22	23♂50	23♂13	2♂14	25♂6	16♂21	4♂51	15♂44	18♂6	16°V34	15°V24	21°V55	8♂26	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	2s58	25s20	5s10	8s 5	3s 0	18s56	1s29	17n36	1n14	22s 7	0s34	8n11	1n40	23n36	0n15	4s21	1n32	22n57	7n47	6n34	6n40	7n25	16s53	4n24	
S 2	3 21	21 49	4 47	7 26	2 45	19 18	1 33	17 26	1 14	22 6	0 34	8 8	1 40	23 36	0 15	4 22	1 32	22 57	7 47	6 34	6 39	7 29	16 55	4 24	
M 3	3 45	17 24	4 12	6 43	2 28	19 41	1 37	17 16	1 15	22 6	0 34	8 6	1 40	23 36	0 15	4 23	1 32	22 56	7 47	6 34	6 38	7 32	16 56	4 24	
T 4	4 8	12 21	3 26	6 0	2 10	20 2	1 40	17 6	1 16	22 5	0 34	8 3	1 41	23 36	0 15	4 24	1 32	22 56	7 48	6 33	6 37	7 35	16 57	4 23	
W 5	4 31	6 54	2 31	5 15	1 51	20 23	1 44	16 56	1 16	22 5	0 34	8 0	1 41	23 36	0 15	4 24	1 32	22 56	7 48	6 33	6 36	7 39	16 58	4 23	
T 6	4 54	1 16	1 30	4 31	1 31	20 44	1 47	16 45	1 17	22 4	0 34	7 58	1 41	23 36	0 15	4 25	1 32	22 56	7 48	6 33	6 34	7 42	16 59	4 23	
F 7	5 17	4n24	0 25	3 49	1 11	21 4	1 51	16 35	1 18	22 4	0 34	7 55	1 41	23 36	0 15	4 26	1 32	22 56	7 48	6 33	6 33	7 45	17 0	4 23	
S 8	5 40	9 54	0n40	3 9	0 50	21 24	1 54	16 24	1 19	22 3	0 34	7 53	1 41	23 36	0 15	4 27	1 32	22 56	7 48	6 33	6 32	7 49	17 1	4 23	
S 9	6 3	15 3	1 44	2 33	0 30	21 43	1 58	16 14	1 19	22 2	0 34	7 50	1 41	23 36	0 15	4 28	1 32	22 56	7 49	6 33	6 31	7 52	17 2	4 23	
M10	6 26	19 41	2 43	2 1	0 10	22 1	2 1	16 3	1 20	22 2	0 34	7 48	1 41	23 36	0 15	4 29	1 32	22 55	7 49	6 33	6 30	7 55	17 3	4 23	
T 11	6 49	23 34	3 36	1 34	0n 8	22 20	2 5	15 53	1 21	22 1	0 34	7 45	1 42	23 36	0 15	4 30	1 32	22 55	7 49	6 33	6 28	7 59	17 4	4 22	
W12	7 11	26 29	4 20	1 12	0 26	22 37	2 8	15 42	1 21	22 0	0 34	7 43	1 42	23 36	0 15	4 30	1 32	22 55	7 50	6 33	6 27	8 2	17 5	4 22	
T 13	7 34	28 11	4 53	0 55	0 42	22 54	2 11	15 31	1 22	22 0	0 34	7 40	1 42	23 36	0 15	4 31	1 32	22 55	7 50	6 33	6 26	8 5	17 6	4 22	
F 14	7 56	28 30	5 13	0 45	0 57	23 10	2 14	15 20	1 23	21 59	0 34	7 38	1 42	23 36	0 15	4 32	1 32	22 55	7 50	6 33	6 25	8 9	17 7	4 22	
S 15	8 19	27 18	5 17	0 39	1 11	23 26	2 18	15 9	1 24	21 58	0 34	7 36	1 42	23 36	0 15	4 33	1 32	22 55	7 50	6 33	6 23	8 12	17 8	4 22	
S 16	8 41	24 35	5 6	0 40	1 22	23 41	2 21	14 58	1 24	21 57	0 34	7 33	1 42	23 36	0 15	4 34	1 32	22 55	7 51	6 33	6 22	8 15	17 10	4 22	
M17	9 3	20 25	4 37	0 45	1 32	23 56	2 24	14 47	1 25	21 56	0 34	7 31	1 42	23 36	0 15	4 35	1 32	22 55	7 51	6 33	6 21	8 19	17 11	4 22	
T 18	9 25	15 1	3 51	0 56	1 41	24 10	2 27	14 36	1 26	21 55	0 34	7 28	1 43	23 36	0 15	4 35	1 32	22 55	7 51	6 33	6 20	8 22	17 12	4 22	
W19	9 47	8 38	2 49	1 10	1 48	24 24	2 30	14 25	1 26	21 54	0 34	7 26	1 43	23 36	0 15	4 36	1 33	22 55	7 51	6 33	6 19	8 25	17 13	4 21	
T 20	10 9	1 38	1 34	1 29	1 54	24 37	2 33	14 14	1 27	21 53	0 34	7 24	1 43	23 36	0 15	4 37	1 33	22 55	7 52	6 33	6 17	8 29	17 14	4 21	
F 21	10 30	5s35	0 12	1 52	1 58	24 49	2 36	14 3	1 28	21 52	0 34	7 21	1 43	23 36	0 15	4 38	1 33	22 55	7 52	6 34	6 16	8 32	17 15	4 21	
S 22	10 51	12 32	1s12	2 17	2 2	25 0	2 38	13 52	1 29	21 51	0 34	7 19	1 43	23 36	0 15	4 39	1 33	22 55	7 52	6 34	6 15	8 35	17 16	4 21	
S 23	11 13	18 44	2 31	2 46	2 4	25 11	2 41	13 41	1 29	21 50	0 34	7 17	1 44	23 36	0 15	4 40	1 33	22 55	7 53	6 33	6 14	8 38	17 17	4 21	
M24	11 34	23 41	3 37	3 16	2 5	25 22	2 44	13 29	1 30	21 49	0 34	7 15	1 44	23 36	0 15	4 40	1 33	22 55	7 53	6 33	6 12	8 42	17 18	4 21	
T 25	11 55	27 0	4 28	3 49	2 5	25 31	2 46	13 18	1 31	21 48	0 34	7 13	1 44	23 36	0 15	4 41	1 33	22 55	7 53	6 32	6 11	8 45	17 19	4 21	
W26	12 15	28 28	5 1	4 24	2 4	25 40	2 49	13 7	1 32	21 47	0 34	7 10	1 44	23 36	0 15	4 42	1 33	22 55	7 53	6 31	6 10	8 48	17 20	4 21	
T 27	12 36	28 6	5 16	5 0	2 3	25 49	2 51	12 55	1 32	21 46	0 34	7 8	1 44	23 37	0 15	4 43	1 33	22 55	7 54	6 31	6 9	8 52	17 21	4 21	
F 28	12 56	26 7	5 12	5 37	2 0	25 56	2 53	12 44	1 33	21 44	0 34	7 6	1 44	23 37	0 15	4 44	1 33	22 55	7 54	6 30	6 8	8 55	17 22	4 21	
S 29	13 16	22 50	4 53	6 15	1 57	26 3	2 55	12 33	1 34	21 43	0 34	7 4	1 45	23 37	0 15	4 45	1 33	22 55	7 54	6 30	6 6	8 58	17 24	4 21	
S 30	13 36	18 34	4 21	6 54	1 54	26 10	2 57	12 21	1 35	21 42	0 34	7 2	1 45	23 37	0 15	4 45	1 33	22 55	7 55	6 30	6 5	9 2	17 25	4 21	
M31	13s56	13s39	3s37	7s33	1n50	26s16	2s59	12n10	1n35	21s40	0s34	7n 0	1n45	23n37	0n15	4s46	1n33	22n55	7n55	6n31	6n 4	9n 5	17s26	4n21	

ASTRODIENST EPHEMERIS for the year 1949

geocentric

DECEMBER 1949

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 38 5	8♂28'02	17♂32	13♂32	25♂15	18♂40	0♂2	18♂40	3♂R58	16♂42	18♂R10	15♂R30	13♂Y45	25♂Y21	12♂5	♂5	T 1
F 2	4 42 1	9°28'51	29°20	15° 5	26°10	19°10	0°13	18°43	3♂56	16°43	18♂10	15♂Y29	13°42	25°27	12°12	♂2	F 2
S 3	4 45 58	10°29'41	11♂12	16°39	27° 5	19°39	0°25	18°46	3°54	16°45	18° 9	15°25	13°39	25°34	12°20	♂3	S 3
S 4	4 49 54	11°30'32	23°12	18°12	28° 0	20° 8	0°36	18°49	3°51	16°46	18° 9	15°19	13°36	25°41	12°27	♂4	S 4
M 5	4 53 51	12°31'25	5♂12	19°46	28°54	20°37	0°48	18°52	3°49	16°48	18° 9	15°11	13°32	25°47	12°34	♂5	M 5
T 6	4 57 47	13°32'18	17°42	21°20	29°47	21° 6	0°59	18°54	3°47	16°49	18° 8	15° 0	13°29	25°54	12°42	♂6	T 6
W 7	5 1 44	14°33'12	0♂15	22°53	0♂39	21°34	1°11	18°57	3°44	16°51	18° 8	14°49	13°26	26° 0	12°49	♂7	W 7
T 8	5 5 41	15°34'08	13° 0	24°27	1°31	22° 3	1°23	18°59	3°42	16°52	18° 7	14°37	13°23	26° 7	12°56	♂8	T 8
F 9	5 9 37	16°35'04	25°56	26° 0	2°22	22°31	1°35	19° 2	3°40	16°53	18° 7	14°27	13°20	26°14	13° 3	♂9	F 9
S 10	5 13 34	17°36'02	9♂4	27°34	3°12	22°59	1°47	19° 4	3°37	16°55	18° 6	14°19	13°17	26°20	13°11	♂10	S 10
S 11	5 17 30	18°37'00	22°24	29° 7	4° 1	23°26	1°59	19° 6	3°35	16°56	18° 6	14°13	13°13	26°27	13°18	♂11	S 11
M12	5 21 27	19°38'00	5♂56	0♂40	4°50	23°54	2°12	19° 8	3°32	16°57	18° 5	14°10	13°10	26°34	13°25	♂12	M12
T 13	5 25 23	20°39'01	19°41	2°14	5°37	24°21	2°24	19°10	3°30	16°59	18° 4	14°D10	13° 7	26°40	13°32	♂13	T 13
W14	5 29 20	21°40'03	3♂40	3°47	6°24	24°48	2°36	19°12	3°27	17° 0	18° 4	14°10	13° 4	26°47	13°40	♂14	W14
T 15	5 33 16	22°41'06	17°52	5°20	7°10	25°15	2°49	19°14	3°25	17° 1	18° 3	14°R10	13° 1	26°54	13°47	♂15	T 15
F 16	5 37 13	23°42'10	2♂17	6°53	7°55	25°42	3° 1	19°15	3°22	17° 2	18° 2	14° 9	12°58	27° 0	13°54	♂16	F 16
S 17	5 41 10	24°43'14	16°51	8°26	8°38	26° 8	3°14	19°17	3°20	17° 3	18° 2	14° 5	12°54	27° 7	14° 1	♂17	S 17
S 18	5 45 6	25°44'20	1♂30	9°58	9°21	26°35	3°26	19°18	3°17	17° 4	18° 1	13°59	12°51	27°14	14° 8	♂18	S 18
M19	5 49 3	26°45'27	16° 8	11°30	10° 3	27° 1	3°39	19°20	3°14	17° 5	18° 0	13°49	12°48	27°20	14°16	♂19	M19
T 20	5 52 59	27°46'34	0♂36	13° 2	10°43	27°26	3°52	19°21	3°12	17° 6	17°59	13°38	12°45	27°27	14°23	♂20	T 20
W21	5 56 56	28°47'42	14°48	14°32	11°22	27°52	4° 5	19°22	3° 9	17° 7	17°58	13°26	12°42	27°34	14°30	♂21	W21
T 22	6 0 52	29°48'50	28°38	16° 3	12° 0	28°17	4°18	19°23	3° 7	17° 8	17°58	13°14	12°39	27°40	14°37	♂22	T 22
F 23	6 4 49	0♂34'59	12♂3	17°32	12°37	28°42	4°31	19°24	3° 4	17° 9	17°57	13° 4	12°35	27°47	14°44	♂23	F 23
S 24	6 8 46	1°51'07	25° 3	19° 0	13°13	29° 6	4°44	19°24	3° 2	17°10	17°56	12°56	12°32	27°54	14°51	♂24	S 24
S 25	6 12 42	2°52'16	7♂40	20°27	13°46	29°31	4°57	19°25	2°59	17°11	17°55	12°51	12°29	28° 0	14°58	♂25	S 25
M26	6 16 39	3°53'25	19°56	21°52	14°19	29°55	5°10	19°25	2°56	17°12	17°54	12°49	12°26	28° 7	15° 5	♂26	M26
T 27	6 20 35	4°54'34	1♂57	23°15	14°50	0♂18	5°23	19°26	2°54	17°13	17°53	12°D48	12°23	28°14	15°12	♂27	T 27
W28	6 24 32	5°55'43	13°48	24°36	15°19	0°42	5°37	19°26	2°51	17°13	17°52	12°R48	12°19	28°20	15°19	♂28	W28
T 29	6 28 28	6°56'51	25°36	25°54	15°47	1° 5	5°50	19°26	2°49	17°14	17°51	12°48	12°16	28°27	15°26	♂29	T 29
F 30	6 32 25	7°58'00	7♂24	27° 9	16°12	1°28	6° 3	19°R26	2°46	17°15	17°50	12°46	12°13	28°33	15°33	♂30	F 30
S 31	6 36 21	8♂59'09	19♂19	28♂20	16♂37	1♂50	6♂17	19♂26	2♂44	17♂15	17♂49	12♂Y41	12♂Y10	28♂Y40	15♂40	♂31	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	21s43	7n 3	0n11	23s47	1s21	23s57	2s54	6n20	2n 1	20s42	0s34	6n12	1n52	23n39	0n16	5s 7	1n34	23n 3	8n 4	6n 6	5n26	10n46	17s55	4n22	
F 2	21 53	12 23	1 14	24 3	1 26	23 44	2 51	6 9	2 1	20 40	0 34	6 11	1 52	23 39	0 16	5 8	1 34	23 3	8 4	6 6	5 24	10 50	17 56	4 22	
S 3	22 2	17 18	2 14	24 18	1 32	23 30	2 48	5 58	2 2	20 38	0 34	6 10	1 53	23 39	0 16	5 8	1 34	23 4	8 5	6 4	5 23	10 53	17 56	4 23	
S 4	22 10	21 36	3 8	24 31	1 36	23 16	2 45	5 48	2 3	20 35	0 34	6 9	1 53	23 39	0 16	5 9	1 34	23 4	8 5	6 2	5 22	10 56	17 57	4 23	
M 5	22 18	25 3	3 54	24 44	1 41	23 1	2 41	5 37	2 4	20 33	0 34	6 9	1 53	23 39	0 16	5 9	1 34	23 4	8 5	5 59	5 20	10 59	17 58	4 23	
T 6	22 26	27 22	4 30	24 55	1 45	22 46	2 37	5 27	2 5	20 30	0 34	6 8	1 53	23 39	0 16	5 10	1 34	23 5	8 5	5 55	5 21	11 2	17 59	4 23	
W 7	22 33	28 21	4 54	25 5	1 50	22 31	2 33	5 16	2 6	20 27	0 34	6 7	1 54	23 40	0 16	5 10	1 34	23 5	8 6	5 50	5 18	11 6	17 59	4 23	
T 8	22 40	27 51	5 3	25 13	1 53	22 15	2 29	5 6	2 7	20 25	0 34	6 6	1 54	23 40	0 16	5 11	1 34	23 6	8 6	5 46	5 17	11 9	18 0	4 23	
F 9	22 46	25 50	4 58	25 20	1 57	21 59	2 25	4 56	2 8	20 22	0 34	6 6	1 54	23 40	0 16	5 11	1 34	23 6	8 6	5 42	5 16	11 12	18 1	4 24	
S 10	22 52	22 26	4 36	25 26	2 0	21 43	2 20	4 45	2 9	20 20	0 34	6 5	1 54	23 40	0 16	5 12	1 34	23 7	8 7	5 39	5 15	11 15	18 2	4 24	
S 11	22 58	17 49	3 59	25 30	2 4	21 26	2 15	4 35	2 10	20 17	0 34	6 4	1 55	23 40	0 16	5 12	1 34	23 7	8 7	5 37	5 13	11 19	18 2	4 24	
M 12	23 3	12 16	3 9	25 33	2 6	21 10	2 9	4 25	2 11	20 14	0 34	6 4	1 55	23 40	0 16	5 13	1 34	23 7	8 7	5 35	5 12	11 22	18 3	4 24	
T 13	23 7	6 1	2 6	25 34	2 9	20 52	2 4	4 15	2 11	20 11	0 34	6 3	1 55	23 40	0 16	5 13	1 34	23 8	8 7	5 35	5 11	11 25	18 3	4 24	
W 14	23 11	0s36	0 56	25 34	2 11	20 35	1 58	4 5	2 12	20 9	0 34	6 3	1 55	23 40	0 16	5 13	1 34	23 8	8 8	5 35	5 10	11 28	18 4	4 25	
T 15	23 15	7 19	0s20	25 33	2 12	20 18	1 52	3 56	2 13	20 6	0 34	6 2	1 56	23 40	0 16	5 14	1 35	23 9	8 8	5 35	5 8	11 31	18 5	4 25	
F 16	23 18	13 45	1 35	25 30	2 14	20 0	1 46	3 46	2 14	20 3	0 34	6 2	1 56	23 40	0 16	5 14	1 35	23 9	8 8	5 35	5 7	11 35	18 5	4 25	
S 17	23 21	19 30	2 44	25 25	2 14	19 42	1 39	3 36	2 15	20 0	0 34	6 2	1 56	23 40	0 16	5 15	1 35	23 10	8 8	5 33	5 6	11 38	18 6	4 25	
S 18	23 23	24 7	3 43	25 19	2 15	19 24	1 32	3 27	2 16	19 57	0 35	6 1	1 57	23 40	0 16	5 15	1 35	23 10	8 9	5 31	5 5	11 41	18 7	4 26	
M 19	23 25	27 9	4 27	25 11	2 15	19 6	1 25	3 17	2 17	19 54	0 35	6 1	1 57	23 41	0 16	5 15	1 35	23 11	8 9	5 27	5 3	11 44	18 7	4 26	
T 20	23 26	28 20	4 54	25 2	2 14	18 48	1 17	3 8	2 18	19 51	0 35	6 1	1 57	23 41	0 16	5 16	1 35	23 11	8 9	5 23	5 2	11 47	18 8	4 26	
W 21	23 27	27 37	5 1	24 52	2 13	18 29	1 10	2 59	2 19	19 48	0 35	6 1	1 57	23 41	0 16	5 16	1 35	23 12	8 9	5 18	5 1	11 51	18 8	4 26	
T 22	23 27	25 11	4 51	24 39	2 11	18 11	1 1	2 50	2 20	19 45	0 35	6 1	1 58	23 41	0 16	5 16	1 35	23 12	8 10	5 14	5 0	11 54	18 9	4 27	
F 23	23 27	21 24	4 24	24 26	2 9	17 52	0 53	2 41	2 21	19 42	0 35	6 0	1 58	23 41	0 16	5 17	1 35	23 13	8 10	5 10	4 59	11 57	18 9	4 27	
S 24	23 26	16 42	3 44	24 11	2 6	17 34	0 44	2 32	2 22	19 39	0 35	6 0	1 58	23 41	0 16	5 17	1 35	23 13	8 10	5 7	4 57	12 0	18 10	4 27	
S 25	23 25	11 24	2 55	23 54	2 2	17 16	0 35	2 23	2 23	19 36	0 35	6 0	1 58	23 41	0 16	5 17	1 35	23 14	8 10	5 5	4 56	12 3	18 10	4 27	
M 26	23 23	5 48	1 58	23 37	1 58	16 57	0 26	2 15	2 24	19 33	0 35	6 0	1 59	23 41	0 16	5 17	1 35	23 14	8 11	5 4	4 55	12 7	18 11	4 28	
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W 28	23 19	5n32	0n 5	22 58	1 47	16 21	0 6	1 58	2 26	19 26	0 35	6 1	1 59	23 41	0 16	5 18	1 35	23 15	8 11	5 3	4 52	12 13	18 12	4 28	
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S 31	23s 9	20n27	3n 0	21s52	1s23	15s27	0n26	1n33	2n30	19s16	0s35	6n 1	2n 0	23n41	0n16	5s19	1n35	23n17	8n12	5n 1	4n49	12n22	18s13	4n29	