



Astrodienst Ephemeris Tables for the year 1919

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 1919
geocentric

JANUARY 1919

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 38 23	9°31'31	23°39	18°14	18°40	9°7	10°R56	27°R48	25°10	8°R41	5°R32	12°R59	11°43	27°32	29°10	W 1
T 2	6 42 19	10°32'42	6°23	18°43	19°56	9°55	10°48	27°46	25°13	8°40	5°30	12°57	11°40	27°39	29°11	T 2
F 3	6 46 16	11°33'53	19°23	19°19	21°11	10°42	10°40	27°43	25°15	8°38	5°29	12°54	11°37	27°46	29°12	F 3
S 4	6 50 13	12°35'04	2°38	20° 0	22°26	11°29	10°32	27°41	25°18	8°37	5°28	12°49	11°33	27°52	29°13	S 4
S 5	6 54 9	13°36'15	16° 8	20°46	23°42	12°16	10°24	27°38	25°21	8°35	5°27	12°44	11°30	27°59	29°15	S 5
M 6	6 58 6	14°37'25	29°49	21°37	24°57	13° 4	10°16	27°35	25°24	8°34	5°25	12°39	11°27	28° 6	29°16	M 6
T 7	7 2 2	15°38'36	13°41	22°32	26°12	13°51	10° 8	27°32	25°27	8°32	5°24	12°34	11°24	28°12	29°17	T 7
W 8	7 5 59	16°39'45	27°39	23°30	27°28	14°38	10° 0	27°29	25°29	8°31	5°23	12°31	11°21	28°19	29°19	W 8
T 9	7 9 55	17°40'54	11°44	24°32	28°43	15°26	9°52	27°26	25°32	8°29	5°22	12°D30	11°17	28°26	29°20	T 9
F 10	7 13 52	18°42'03	25°51	25°36	29°59	16°13	9°44	27°23	25°35	8°28	5°21	12°30	11°14	28°32	29°22	F 10
S 11	7 17 48	19°43'11	10°8	26°43	1°14	17° 0	9°36	27°20	25°38	8°26	5°20	12°31	11°11	28°39	29°24	S 11
S 12	7 21 45	20°44'19	24°12	27°53	2°29	17°48	9°28	27°16	25°41	8°25	5°18	12°33	11° 8	28°46	29°25	S 12
M13	7 25 42	21°45'26	8°22	29° 4	3°44	18°35	9°20	27°13	25°44	8°23	5°17	12°R34	11° 5	28°52	29°27	M13
T 14	7 29 38	22°46'32	22°27	0°18	5° 0	19°22	9°12	27° 9	25°47	8°21	5°16	12°33	11° 2	28°59	29°29	T 14
W15	7 33 35	23°47'38	6°26	1°33	6°15	20°10	9° 5	27° 6	25°50	8°20	5°15	12°31	10°58	29° 6	29°31	W15
T 16	7 37 31	24°48'44	20°13	2°50	7°30	20°57	8°57	27° 2	25°53	8°18	5°14	12°26	10°55	29°13	29°32	T 16
F 17	7 41 28	25°49'48	3°47	4° 8	8°46	21°44	8°50	26°58	25°56	8°16	5°13	12°20	10°52	29°19	29°34	F 17
S 18	7 45 24	26°50'53	17° 3	5°27	10° 1	22°32	8°42	26°55	25°59	8°15	5°11	12°12	10°49	29°26	29°36	S 18
S 19	7 49 21	27°51'56	0°12	6°48	11°16	23°19	8°35	26°51	26° 3	8°13	5°10	12° 4	10°46	29°33	29°38	S 19
M20	7 53 17	28°52'59	12°42	8° 9	12°31	24° 6	8°28	26°47	26° 6	8°12	5° 9	11°56	10°43	29°39	29°40	M20
T 21	7 57 14	29°54'02	25° 4	9°32	13°46	24°54	8°21	26°43	26° 9	8°10	5° 8	11°49	10°39	29°46	29°42	T 21
W22	8 1 11	0°55'05	7°12	10°56	15° 2	25°41	8°14	26°39	26°12	8° 8	5° 7	11°43	10°36	29°53	29°45	W22
T 23	8 5 7	1°56'06	19° 9	12°20	16°17	26°28	8° 7	26°35	26°15	8° 6	5° 6	11°40	10°33	29°59	29°47	T 23
F 24	8 9 4	2°57'08	0°15	13°46	17°32	27°16	8° 0	26°30	26°19	8° 5	5° 5	11°D39	10°30	0°16	29°49	F 24
S 25	8 13 0	3°58'09	12°49	15°12	18°47	28° 3	7°53	26°26	26°22	8° 3	5° 4	11°39	10°27	0°13	29°51	S 25
S 26	8 16 57	4°59'09	24°43	16°39	20° 2	28°50	7°47	26°22	26°25	8° 1	5° 3	11°41	10°23	0°19	29°53	S 26
M27	8 20 53	6° 0'09	6°46	18° 7	21°17	29°38	7°41	26°17	26°28	8° 0	5° 2	11°R42	10°20	0°26	29°56	M27
T 28	8 24 50	7° 1'08	19° 3	19°36	22°32	0°25	7°34	26°13	26°32	7°58	5° 1	11°41	10°17	0°33	29°58	T 28
W29	8 28 46	8° 2'07	1°39	21° 6	23°47	1°12	7°28	26° 9	26°35	7°56	5° 0	11°39	10°14	0°39	0°19	W29
T 30	8 32 43	9° 3'42	14°36	22°36	25° 3	2° 0	7°22	26° 4	26°38	7°55	4°59	11°35	10°11	0°46	0° 3	T 30
F 31	8 36 40	10°37'01	27°35	24°3	26°18	2°47	7°17	25°59	26°42	7°53	4°58	11°38	10°8	0°53	0°19	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
W 1	23s 6	22s20	0n58	20s14	2n42	23s11	1s 3	19s 7	1s10	23n 2	0n 2	13n31	1n21	13s49	0s43	18n 0
T 2	23 2	21 13	2 5	20 24	2 35	23 2	1 4	18 54	1 10	23 2	0 2	13 32	1 21	13 48	0 43	18 0
F 3	22 57	18 58	3 6	20 35	2 27	22 52	1 6	18 41	1 10	23 3	0 2	13 33	1 22	13 47	0 43	18 1
S 4	22 51	15 42	3 59	20 46	2 19	22 42	1 8	18 27	1 9	23 4	0 2	13 34	1 22	13 46	0 43	18 1
S 5	22 45	11 34	4 39	20 57	2 10	22 30	1 9	18 14	1 9	23 5	0 2	13 35	1 22	13 45	0 43	18 2
M 6	22 39	6 47	5 4	21 9	2 2	22 19	1 11	18 0	1 9	23 6	0 3	13 36	1 22	13 44	0 43	18 2
T 7	22 32	1 37	5 12	21 22	1 53	22 6	1 12	17 46	1 8	23 6	0 3	13 37	1 22	13 43	0 43	18 2
W 8	22 25	3n40	5 1	21 34	1 44	21 53	1 14	17 32	1 8	23 7	0 3	13 39	1 23	13 42	0 43	18 3
T 9	22 17	8 49	4 33	21 45	1 35	21 39	1 15	17 18	1 8	23 8	0 3	13 40	1 23	13 41	0 43	18 3
F 10	22 9	13 31	3 47	21 57	1 26	21 25	1 17	17 3	1 8	23 9	0 3	13 41	1 23	13 40	0 43	18 4
S 11	22 0	17 29	2 48	22 8	1 17	21 10	1 18	16 49	1 7	23 9	0 3	13 42	1 23	13 39	0 43	18 4
S 12	21 51	20 25	1 38	22 18	1 8	20 54	1 19	16 34	1 7	23 10	0 3	13 44	1 23	13 38	0 43	18 4
M13	21 41	22 5	0 23	22 28	0 59	20 37	1 20	16 19	1 7	23 11	0 3	13 45	1 24	13 37	0 43	18 5
T 14	21 31	22 21	0s54	22 37	0 50	20 21	1 21	16 4	1 6	23 11	0 4	13 47	1 24	13 36	0 43	18 5
W15	21 21	21 12	2 6	22 46	0 41	20 3	1 23	15 49	1 6	23 12	0 4	13 48	1 24	13 35	0 43	18 6
T 16	21 10	18 48	3 10	22 53	0 32	19 45	1 24	15 33	1 6	23 13	0 4	13 49	1 24	13 34	0 43	18 6
F 17	20 59	15 24	4 2	23 0	0 23	19 26	1 25	15 18	1 5	23 13	0 4	13 51	1 24	13 33	0 43	18 7
S 18	20 48	11 17	4 39	23 5	0 15	19 7	1 25	15 2	1 5	23 14	0 4	13 52	1 25	13 32	0 43	18 7
S 19	20 36	6 46	5 1	23 10	0 7	18 47	1 26	14 46	1 4	23 15	0 4	13 54	1 25	13 31	0 43	18 7
M20	20 23	2 3	5 8	23 13	0s 1	18 27	1 27	14 30	1 4	23 15	0 4	13 55	1 25	13 30	0 43	18 8
T 21	20 11	2s38	5 0	23 16	0 9	18 6	1 28	14 14	1 4	23 16	0 5	13 57	1 25	13 29	0 43	18 8
W22	19 58	7 7	4 38	23 17	0 17	17 45	1 28	13 57	1 3	23 16	0 5	13 58	1 25	13 27	0 43	18 9
T 23	19 44	11 16	4 5	23 17	0 25	17 23	1 29	13 41	1 3	23 17	0 5	14 0	1 25	13 26	0 43	18 9
F 24	19 30	14 58	3 21	23 16	0 32	17 0	1 30	13 24	1 3	23 17	0 5	14 2	1 26	13 25	0 43	18 10
S 25	19 16	18 3	2 29	23 14	0 39	16 38	1 30	13 8	1 2	23 18	0 5	14 3	1 26	13 24	0 43	18 10
S 26	19 2	20 25	1 30	23 10	0 46	16 14	1 30	12 51	1 2	23 18	0 5	14 5	1 26	13 23	0 43	18 11
M27	18 47	21 53	0 27	23 5	0 53	15 51	1 31	12 34	1 1	23 19	0 5	14 6	1 26	13 22	0 43	18 11
T 28	18 32	22 21	0n39	22 59	0 59	15 26	1 31	12 17	1 1	23 19	0 5	14 8	1 26	13 21	0 43	18 11
W29	18 16	21 41	1 45	22 52	1 5	15 2	1 31	12 0	1 0	23 20	0 6	14 10	1 26	13 20	0 43	18 12
T 30	18 0	19 53	2 47	22 43	1 11	14 37	1 31	11 42	1 0	23 20	0 6	14 11	1 26	13 18	0 43	18 12
F 31	17s44	16s59	3n41	22s33	1s17	14s11	1s31	11s25	1s 0	23n21	0n 6	14n13	1n27	13s17	0s43	18n13

Julian Day Number = 2421959.5, Delta T = 20.97 sec
Ecliptic obliquity = 23°26'56, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°36'32, Lahiri = 22°43'33

ASTRODIENST EPHEMERIS for the year 1919

geocentric

FEBRUARY 1919

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 40 36	11° 45' 57"	11° 33'	25° 38'	27° 33'	3° 34'	7° 11'	25° 55'	26° 45'	7° 51'	4° 57'	11° 18'	10° 4'	0° 59'	0° 7'	S 1
S 2	8 44 33	12° 5' 52"	25° 31'	27° 11'	28° 48'	4° 21'	7° 5'	25° 50'	26° 48'	7° 50'	4° 56'	11° 8'	10° 1'	1° 6'	0° 11'	S 2
M 3	8 48 29	13° 6' 45"	9° 41'	28° 44'	0° 3'	5° 9'	7° 0'	25° 46'	26° 52'	7° 48'	4° 55'	10° 57'	9° 58'	1° 13'	0° 13'	M 3
T 4	8 52 26	14° 7' 38"	24° 0'	0° 18'	1° 18'	5° 56'	6° 55'	25° 41'	26° 55'	7° 46'	4° 54'	10° 48'	9° 55'	1° 19'	0° 16'	T 4
W 5	8 56 22	15° 8' 29"	8° 21'	1° 52'	2° 33'	6° 43'	6° 50'	25° 36'	26° 59'	7° 45'	4° 53'	10° 41'	9° 52'	1° 26'	0° 19'	W 5
T 6	9 0 19	16° 9' 18"	22° 40'	3° 28'	3° 48'	7° 30'	6° 45'	25° 31'	27° 2'	7° 43'	4° 52'	10° 36'	9° 48'	1° 33'	0° 21'	T 6
F 7	9 4 15	17° 10' 06"	6° 53'	5° 4'	5° 2'	8° 18'	6° 41'	25° 27'	27° 5'	7° 41'	4° 51'	10° 34'	9° 45'	1° 39'	0° 24'	F 7
S 8	9 8 12	18° 10' 53"	20° 58'	6° 41'	6° 17'	9° 5'	6° 36'	25° 22'	27° 9'	7° 40'	4° 50'	10° 33'	9° 42'	1° 46'	0° 27'	S 8
S 9	9 12 9	19° 11' 38"	4° 11' 55"	8° 18'	7° 32'	9° 52'	6° 32'	25° 17'	27° 12'	7° 38'	4° 50'	10° 34'	9° 39'	1° 53'	0° 30'	S 9
M10	9 16 5	20° 12' 21"	18° 44'	9° 57'	8° 47'	10° 39'	6° 28'	25° 12'	27° 16'	7° 36'	4° 49'	10° 34'	9° 36'	1° 59'	0° 33'	M10
T 11	9 20 2	21° 13' 03"	2° 22' 24"	11° 36'	10° 2'	11° 26'	6° 24'	25° 7'	27° 19'	7° 35'	4° 48'	10° 32'	9° 33'	2° 6'	0° 35'	T 11
W12	9 23 58	22° 13' 43"	15° 55'	13° 16'	11° 17'	12° 13'	6° 20'	25° 3'	27° 23'	7° 33'	4° 47'	10° 27'	9° 29'	2° 13'	0° 38'	W12
T 13	9 27 55	23° 14' 22"	29° 17'	14° 57'	12° 31'	13° 1'	6° 16'	24° 58'	27° 26'	7° 31'	4° 46'	10° 20'	9° 26'	2° 19'	0° 41'	T 13
F 14	9 31 51	24° 14' 59"	12° 28'	16° 39'	13° 46'	13° 48'	6° 13'	24° 53'	27° 30'	7° 30'	4° 46'	10° 9'	9° 23'	2° 26'	0° 44'	F 14
S 15	9 35 48	25° 15' 34"	25° 27'	18° 21'	15° 1'	14° 35'	6° 10'	24° 48'	27° 33'	7° 28'	4° 45'	9° 57'	9° 20'	2° 33'	0° 47'	S 15
S 16	9 39 44	26° 16' 08"	8° 12'	20° 5'	16° 15'	15° 22'	6° 7'	24° 43'	27° 37'	7° 27'	4° 44'	9° 43'	9° 17'	2° 39'	0° 50'	S 16
M17	9 43 41	27° 16' 41"	20° 43'	21° 49'	17° 30'	16° 9'	6° 4'	24° 38'	27° 40'	7° 25'	4° 44'	9° 30'	9° 14'	2° 46'	0° 53'	M17
T 18	9 47 38	28° 17' 12"	3° 22' 0"	23° 35'	18° 45'	16° 56'	6° 2'	24° 33'	27° 43'	7° 23'	4° 43'	9° 18'	9° 10'	2° 53'	0° 56'	T 18
W19	9 51 34	29° 17' 41"	15° 5'	25° 21'	19° 59'	17° 43'	5° 59'	24° 28'	27° 47'	7° 22'	4° 42'	9° 9'	9° 7'	2° 59'	1° 0'	W19
T 20	9 55 31	0° 18' 10"	27° 0'	27° 8'	21° 14'	18° 30'	5° 57'	24° 24'	27° 50'	7° 20'	4° 42'	9° 2'	9° 4'	3° 6'	1° 3'	T 20
F 21	9 59 27	1° 18' 37"	8° 15' 50"	28° 56'	22° 28'	19° 16'	5° 55'	24° 19'	27° 54'	7° 19'	4° 41'	8° 57'	9° 1'	3° 13'	1° 6'	F 21
S 22	10 3 24	2° 19' 03"	20° 38'	0° 45'	23° 43'	20° 3'	5° 53'	24° 14'	27° 57'	7° 17'	4° 40'	8° 56'	8° 58'	3° 20'	1° 9'	S 22
S 23	10 7 20	3° 19' 27"	2° 31'	2° 35'	24° 57'	20° 50'	5° 51'	24° 9'	28° 1'	7° 16'	4° 40'	8° 55'	8° 54'	3° 26'	1° 12'	S 23
M24	10 11 17	4° 19' 50"	14° 32'	4° 25'	26° 12'	21° 37'	5° 50'	24° 5'	28° 4'	7° 14'	4° 39'	8° 55'	8° 51'	3° 33'	1° 16'	M24
T 25	10 15 13	5° 20' 12"	26° 49'	6° 17'	27° 26'	22° 24'	5° 49'	24° 0'	28° 8'	7° 13'	4° 39'	8° 54'	8° 48'	3° 40'	1° 19'	T 25
W26	10 19 10	6° 20' 32"	9° 25'	8° 9'	28° 40'	23° 11'	5° 48'	23° 55'	28° 11'	7° 11'	4° 38'	8° 52'	8° 45'	3° 46'	1° 22'	W26
T 27	10 23 7	7° 20' 51"	22° 26'	10° 2'	29° 55'	23° 57'	5° 47'	23° 50'	28° 14'	7° 10'	4° 38'	8° 46'	8° 42'	3° 53'	1° 25'	T 27
F 28	10 27 3	8° 21' 08"	5° 53'	11° 56'	1° 9'	24° 44'	5° 46'	23° 46'	28° 18'	7° 9'	4° 37'	8° 43'	8° 39'	4° 0'	1° 29'	F 28

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	17s27	13s 5	4n24	22s22	1s22	13s46	1s31	11s 7	0s59	23n21	0n 6	14n15	1n27	13s16	0s43	18n13
S 2	17 10	8 26	4 53	22 10	1 27	13 19	1 31	10 50	0 59	23 22	0 6	14 16	1 27	13 15	0 43	18 14
M 3	16 53	3 15	5 4	21 56	1 32	12 53	1 31	10 32	0 58	23 22	0 6	14 18	1 27	13 14	0 43	18 14
T 4	16 36	2n 9	4 56	21 40	1 37	12 26	1 31	10 14	0 58	23 22	0 6	14 20	1 27	13 13	0 42	18 15
W 5	16 18	7 26	4 29	21 23	1 41	11 59	1 31	9 56	0 57	23 23	0 6	14 22	1 27	13 11	0 42	18 15
T 6	16 0	12 19	3 46	21 5	1 45	11 31	1 30	9 38	0 57	23 23	0 7	14 23	1 27	13 10	0 42	18 15
F 7	15 42	16 29	2 49	20 46	1 49	11 4	1 30	9 20	0 56	23 24	0 7	14 25	1 27	13 9	0 42	18 16
S 8	15 23	19 39	1 42	20 25	1 52	10 36	1 29	9 2	0 56	23 24	0 7	14 27	1 28	13 8	0 42	18 16
S 9	15 4	21 37	0 30	20 3	1 55	10 7	1 29	8 44	0 55	23 24	0 7	14 28	1 28	13 7	0 42	18 17
M10	14 45	22 15	0s43	19 39	1 58	9 39	1 28	8 25	0 55	23 25	0 7	14 30	1 28	13 6	0 42	18 17
T 11	14 26	21 32	1 53	19 14	2 0	9 10	1 28	8 7	0 54	23 25	0 7	14 32	1 28	13 4	0 42	18 18
W12	14 6	19 35	2 56	18 47	2 2	8 41	1 27	7 48	0 54	23 25	0 7	14 34	1 28	13 3	0 42	18 18
T 13	13 47	16 35	3 48	18 20	2 4	8 11	1 26	7 30	0 53	23 25	0 7	14 35	1 28	13 2	0 42	18 19
F 14	13 27	12 48	4 27	17 50	2 5	7 42	1 25	7 11	0 53	23 26	0 8	14 37	1 28	13 1	0 42	18 19
S 15	13 6	8 28	4 51	17 19	2 6	7 12	1 24	6 53	0 52	23 26	0 8	14 39	1 28	13 0	0 42	18 19
S 16	12 46	3 51	5 1	16 47	2 6	6 42	1 23	6 34	0 52	23 26	0 8	14 41	1 28	12 58	0 42	18 20
M17	12 25	0s50	4 55	16 14	2 6	6 12	1 22	6 15	0 51	23 26	0 8	14 42	1 28	12 57	0 42	18 20
T 18	12 4	5 25	4 36	15 38	2 5	5 42	1 21	5 57	0 51	23 27	0 8	14 44	1 29	12 56	0 42	18 21
W19	11 43	9 42	4 4	15 2	2 5	5 11	1 20	5 38	0 50	23 27	0 8	14 46	1 29	12 55	0 42	18 21
T 20	11 22	13 33	3 23	14 24	2 3	4 41	1 18	5 19	0 50	23 27	0 8	14 47	1 29	12 54	0 42	18 21
F 21	11 1	16 51	2 32	13 45	2 1	4 10	1 17	5 0	0 49	23 27	0 8	14 49	1 29	12 52	0 42	18 22
S 22	10 39	19 27	1 35	13 4	1 59	3 39	1 15	4 41	0 49	23 27	0 8	14 51	1 29	12 51	0 42	18 22
S 23	10 17	21 14	0 34	12 22	1 56	3 8	1 14	4 22	0 48	23 28	0 8	14 52	1 29	12 50	0 42	18 23
M24	9 56	22 4	0n30	11 38	1 53	2 37	1 12	4 3	0 48	23 28	0 9	14 54	1 29	12 49	0 42	18 23
T 25	9 33	21 51	1 33	10 54	1 49	2 6	1 11	3 44	0 47	23 28	0 9	14 56	1 29	12 48	0 42	18 23
W26	9 11	20 33	2 34	10 8	1 44	1 35	1 9	3 25	0 46	23 28	0 9	14 57	1 29	12 46	0 43	18 24
T 27	8 49	18 9	3 28	9 20	1 39	1 4	1 7	3 6	0 46	23 28	0 9	14 59	1 29	12 45	0 43	18 24
F 28	8s26	14s43	4n13	8s32	1s34	0s33	1s 6	2s47	0s45	23n28	0n 9	15n 0	1n29	12s44	0s43	18n24

Julian Day Number = 2421990.5, Delta T = 21.03 sec

Ecliptic obliquity = 23°26'56", Nutation = 0°00'18", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°36'37", Lahiri = 22°43'37"

ASTRODIENST EPHEMERIS for the year 1919

geocentric

MARCH 1919

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 31 0	9♂21'23	19♂46	13♂51	2♀23	25♂31	5°R46	23°R41	28♂21	7°R 7	4°R37	8°R28	8♂35	4♂ 6	1♀32	S 1
S 2	10 34 56	10°21'37	4♂ 4	15°46	3°37	26°17	5♂46	23♂37	28°25	7♂ 6	4♂37	8♂16	8°32	4°13	1°35	S 2
M 3	10 38 53	11°21'49	18°39	17°41	4°52	27° 4	5°D46	23°32	28°28	7° 5	4°36	8° 4	8°29	4°20	1°39	M 3
T 4	10 42 49	12°21'59	3♀25	19°37	6° 6	27°51	5°46	23°28	28°32	7° 3	4°36	7°52	8°26	4°26	1°42	T 4
W 5	10 46 46	13°22'07	18°12	21°32	7°20	28°37	5°46	23°23	28°35	7° 2	4°35	7°43	8°23	4°33	1°45	W 5
T 6	10 50 42	14°22'13	2♂55	23°28	8°34	29°24	5°47	23°19	28°38	7° 1	4°35	7°37	8°20	4°40	1°49	T 6
F 7	10 54 39	15°22'18	17°25	25°23	9°48	0♀10	5°47	23°14	28°42	6°59	4°35	7°34	8°16	4°46	1°52	F 7
S 8	10 58 35	16°22'20	1♂40	27°17	11° 2	0°57	5°48	23°10	28°45	6°58	4°34	7°33	8°13	4°53	1°56	S 8
S 9	11 2 32	17°22'20	15°39	29°10	12°16	1°43	5°49	23° 6	28°48	6°57	4°34	7°33	8°10	5° 0	1°59	S 9
M10	11 6 29	18°22'17	29°21	1♀ 2	13°30	2°29	5°51	23° 2	28°52	6°56	4°34	7°33	8° 7	5° 6	2° 3	M10
T 11	11 10 25	19°22'13	12♂48	2°52	14°44	3°16	5°52	22°58	28°55	6°55	4°34	7°31	8° 4	5°13	2° 6	T 11
W12	11 14 22	20°22'06	26° 1	4°39	15°57	4° 2	5°54	22°54	28°58	6°53	4°34	7°26	8° 0	5°20	2°10	W12
T 13	11 18 18	21°21'57	9♂ 2	6°24	17°11	4°48	5°56	22°50	29° 2	6°52	4°33	7°19	7°57	5°26	2°13	T 13
F 14	11 22 15	22°21'46	21°51	8° 6	18°25	5°34	5°58	22°46	29° 5	6°51	4°33	7° 9	7°54	5°33	2°17	F 14
S 15	11 26 11	23°21'32	4♂30	9°44	19°39	6°21	6° 0	22°42	29° 8	6°50	4°33	6°57	7°51	5°40	2°20	S 15
S 16	11 30 8	24°21'17	16°57	11°17	20°52	7° 7	6° 3	22°38	29°11	6°49	4°33	6°44	7°48	5°46	2°24	S 16
M17	11 34 4	25°20'59	29°15	12°46	22° 6	7°53	6° 6	22°34	29°14	6°48	4°33	6°31	7°45	5°53	2°27	M17
T 18	11 38 1	26°20'40	11♂22	14°10	23°19	8°39	6° 8	22°31	29°18	6°47	4°33	6°19	7°41	6° 0	2°31	T 18
W19	11 41 58	27°20'19	23°21	15°28	24°33	9°25	6°11	22°27	29°21	6°46	4°33	6°10	7°38	6° 6	2°34	W19
T 20	11 45 54	28°19'55	5♂14	16°40	25°46	10°11	6°15	22°24	29°24	6°45	4°D33	6° 2	7°35	6°13	2°38	T 20
F 21	11 49 51	29°19'30	17° 2	17°46	26°59	10°57	6°18	22°20	29°27	6°44	4°33	5°58	7°32	6°20	2°41	F 21
S 22	11 53 47	0♀19'04	28°49	18°45	28°13	11°43	6°22	22°17	29°30	6°43	4°33	5°56	7°29	6°26	2°45	S 22
S 23	11 57 44	1°18'35	10♂41	19°37	29°26	12°29	6°25	22°14	29°33	6°43	4°33	5°D56	7°25	6°33	2°48	S 23
M24	12 1 40	2°18'05	22°41	20°21	0♂39	13°14	6°29	22°11	29°36	6°42	4°33	5°57	7°22	6°40	2°52	M24
T 25	12 5 37	3°17'33	4♂55	20°58	1°52	14° 0	6°34	22° 8	29°39	6°41	4°33	5°R57	7°19	6°46	2°55	T 25
W26	12 9 33	4°16'59	17°29	21°28	3° 6	14°46	6°38	22° 5	29°42	6°40	4°33	5°56	7°16	6°53	2°59	W26
T 27	12 13 30	5°16'23	0♂27	21°50	4°19	15°31	6°42	22° 2	29°45	6°40	4°34	5°53	7°13	7° 0	3° 2	T 27
F 28	12 17 27	6°15'46	13°52	22° 4	5°32	16°17	6°47	21°59	29°48	6°39	4°34	5°48	7°10	7° 6	3° 6	F 28
S 29	12 21 23	7°15'06	27°47	22°R10	6°45	17° 3	6°52	21°56	29°51	6°38	4°34	5°41	7° 6	7°13	3° 9	S 29
S 30	12 25 20	8°14'25	12♂ 9	22° 9	7°57	17°48	6°57	21°54	29°54	6°38	4°34	5°32	7° 3	7°20	3°13	S 30
M31	12 29 16	9♀13'42	26♂55	22♀ 1	9♂10	18♀34	7♂ 2	21♂51	29♂57	6♂37	4♂34	5♂23	7♂ 0	7♂26	3♀17	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	8s 4	10s23	4n45	7s42	1s27	0s 1	1s 4	2s28	0s45	23n28	0n 9	15n 2	1n29	12s43	0s43	18n25
S 2	7 41	5 22	5 0	6 51	1 21	0n30	1 2	2 9	0 44	23 29	0 9	15 4	1 29	12 42	0 43	18 25
M 3	7 18	0n 2	4 55	6 0	1 13	1 1	1 0	1 50	0 44	23 29	0 9	15 5	1 29	12 41	0 43	18 26
T 4	6 55	5 30	4 31	5 7	1 5	1 32	0 58	1 31	0 43	23 29	0 9	15 7	1 29	12 39	0 43	18 26
W 5	6 32	10 40	3 49	4 14	0 57	2 3	0 56	1 12	0 43	23 29	0 9	15 8	1 29	12 38	0 43	18 26
T 6	6 9	15 11	2 52	3 20	0 48	2 35	0 54	0 53	0 42	23 29	0 10	15 10	1 29	12 37	0 43	18 27
F 7	5 46	18 42	1 44	2 25	0 38	3 6	0 51	0 34	0 41	23 29	0 10	15 11	1 29	12 36	0 43	18 27
S 8	5 23	21 1	0 31	1 30	0 27	3 37	0 49	0 15	0 41	23 29	0 10	15 12	1 29	12 35	0 43	18 27
S 9	4 59	21 58	0s43	0 35	0 17	4 8	0 47	0n 4	0 40	23 29	0 10	15 14	1 29	12 34	0 43	18 28
M10	4 36	21 34	1 53	0n20	0 5	4 39	0 45	0 23	0 40	23 29	0 10	15 15	1 29	12 32	0 43	18 28
T 11	4 13	19 56	2 55	1 14	0n 6	5 9	0 42	0 42	0 39	23 29	0 10	15 17	1 29	12 31	0 43	18 28
W12	3 49	17 14	3 47	2 8	0 19	5 40	0 40	1 1	0 38	23 29	0 10	15 18	1 29	12 30	0 43	18 28
T 13	3 26	13 44	4 26	3 1	0 31	6 11	0 37	1 20	0 38	23 29	0 10	15 19	1 29	12 29	0 43	18 29
F 14	3 2	9 38	4 51	3 53	0 44	6 41	0 35	1 39	0 37	23 29	0 10	15 21	1 29	12 28	0 43	18 29
S 15	2 38	5 12	5 1	4 44	0 57	7 11	0 32	1 58	0 37	23 29	0 10	15 22	1 29	12 27	0 43	18 29
S 16	2 15	0 36	4 56	5 32	1 10	7 41	0 30	2 16	0 36	23 29	0 10	15 23	1 29	12 26	0 43	18 30
M17	1 51	3s57	4 38	6 19	1 23	8 11	0 27	2 35	0 35	23 29	0 11	15 24	1 29	12 25	0 43	18 30
T 18	1 27	8 18	4 8	7 4	1 36	8 41	0 24	2 54	0 35	23 29	0 11	15 25	1 29	12 23	0 43	18 30
W19	1 4	12 16	3 26	7 46	1 48	9 11	0 22	3 13	0 34	23 29	0 11	15 27	1 29	12 22	0 43	18 30
T 20	0 40	15 43	2 36	8 25	2 1	9 40	0 19	3 31	0 34	23 29	0 11	15 28	1 29	12 21	0 43	18 31
F 21	0 16	18 31	1 39	9 1	2 13	10 9	0 16	3 50	0 33	23 29	0 11	15 29	1 29	12 20	0 43	18 31
S 22	0n 8	20 31	0 38	9 34	2 24	10 38	0 13	4 8	0 32	23 29	0 11	15 30	1 29	12 19	0 43	18 31
S 23	0 31	21 38	0n25	10 3	2 34	11 7	0 10	4 27	0 32	23 29	0 11	15 31	1 29	12 18	0 43	18 31
M24	0 55	21 47	1 28	10 29	2 44	11 35	0 8	4 45	0 31	23 29	0 11	15 32	1 29	12 17	0 43	18 32
T 25	1 19	20 53	2 29	10 52	2 53	12 3	0 5	5 3	0 30	23 28	0 11	15 33	1 29	12 16	0 43	18 32
W26	1 42	18 57	3 23	11 10	3 1	12 31	0 2	5 22	0 30	23 28	0 11	15 34	1 29	12 15	0 43	18 32
T 27	2 6	16 0	4 9	11 24	3 8	12 59	0n 1	5 40	0 29	23 28	0 11	15 35	1 29	12 14	0 43	18 32
F 28	2 29	12 9	4 43	11 35	3 13	13 26	0 4	5 58	0 29	23 28	0 11	15 36	1 29	12 13	0 43	18 32
S 29	2 53	7 31	5 2	11 41	3 17	13 53	0 7	6 16	0 28	23 28	0 12	15 36	1 29	12 12	0 43	18 33
S 30	3 16	2 20	5 3	11 43	3 20	14 20	0 10	6 34	0 27	23 28	0 12	15 37	1 29	12 11	0 43	18 33
M31	3n40	3n 7	4n44	11n41	3n21	14n46	0n13	6n52	0s27	23n27	0n12	15n38	1n29	12s10	0s43	18n33

Julian Day Number = 2422018.5, Delta T = 21.08 sec
 Ecliptic obliquity = 23°26'56, Nutation = 0°00'17, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°36'41, Lahiri = 22°43'41

ASTRODIENST EPHEMERIS for the year 1919

geocentric

APRIL 1919

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 33 13	10°12'57	11°15'56	21°R46	10°8'23	19°19'19	7°57	21°R49	29°55'59	6°R36	4°53'35	5°R15	6°57'57	7°13'33	3°19'20	T 1
W 2	12 37 9	11°12'10	27°4'4	21°15'25	11°36'11	20°5'20	7°13	21°12'46	0°11'3	6°13'36	4°35'43	5°17'8	6°54'40	7°40'40	3°24'24	W 2
T 3	12 41 6	12°11'21	12°8'8	20°58'12	12°48'20	20°50'20	7°18	21°44'00	0°5'5	6°35'43	4°35'43	5°4'4	6°51'40	7°46'46	3°27'27	T 3
F 4	12 45 2	13°10'29	26°59'20	20°25'14	1°1'21	21°35'21	7°24	21°42'00	0°8'8	6°35'43	4°36'43	5°2'2	6°47'47	7°53'53	3°31'31	F 4
S 5	12 48 59	14°9'36	11°11'32	19°48'15	15°14'15	22°21'22	7°30	21°40'00	0°11'11	6°34'43	4°36'43	5°D2'2	6°44'44	7°59'59	3°34'34	S 5
S 6	12 52 55	15°8'40	25°43'25	19°8'16	16°26'23	23°6'23	7°36	21°38'00	0°14'14	6°34'43	4°36'43	5°2'2	6°41'41	8°6'6	3°38'38	S 6
M 7	12 56 52	16°7'42	9°53'31	18°24'17	17°39'23	23°51'23	7°42	21°36'00	0°16'16	6°34'43	4°37'43	5°3'3	6°38'38	8°13'13	3°41'41	M 7
T 8	13 0 49	17°6'41	22°58'17	17°39'18	18°51'24	24°36'24	7°49	21°35'00	0°19'19	6°33'43	4°37'43	5°R3'3	6°35'43	8°19'19	3°45'45	T 8
W 9	13 4 45	18°5'38	6°12'5	16°52'20	20°3'25	25°21'21	7°55	21°33'00	0°21'21	6°33'43	4°38'43	5°2'2	6°31'31	8°26'26	3°48'48	W 9
T 10	13 8 42	19°4'33	18°55'16	16°5'21	21°15'26	26°6'26	8°2	21°31'00	0°24'24	6°33'43	4°38'43	4°58'58	6°28'28	8°33'33	3°51'51	T 10
F 11	13 12 38	20°3'26	1°10'30	15°19'22	22°28'26	26°51'26	8°9	21°30'00	0°27'27	6°32'43	4°39'43	4°52'52	6°25'25	8°39'39	3°55'55	F 11
S 12	13 16 35	21°2'16	13°53'26	14°35'23	23°40'27	27°36'27	8°16	21°29'00	0°29'29	6°32'43	4°39'43	4°45'45	6°22'22	8°46'46	3°58'58	S 12
S 13	13 20 31	22°1'04	26°6'11	13°53'24	24°52'28	28°21'21	8°23	21°27'00	0°32'32	6°32'43	4°40'40	4°37'37	6°19'19	8°53'53	4°2'2	S 13
M14	13 24 28	22°59'50	8°11'24	13°14'26	26°4'29	29°6'29	8°30	21°26'00	0°34'34	6°32'43	4°40'40	4°29'29	6°16'16	8°59'59	4°5'5	M14
T 15	13 28 24	23°58'34	20°9'12	12°38'27	17°15'29	29°51'29	8°37	21°25'00	0°36'36	6°32'43	4°41'41	4°22'22	6°12'12	9°6'6	4°9'9	T 15
W16	13 32 21	24°57'16	2°11'12	12°7'28	28°27'08	35'35	8°45	21°24'00	0°39'39	6°32'43	4°42'42	4°17'17	6°9'9	9°13'13	4°12'12	W16
T 17	13 36 18	25°55'56	13°51'11	11°40'29	39'1'20	8°53'53	21°24	0°41'41	6°32'43	4°42'42	4°13'13	6°6'6	9°19'19	4°15'15	T 17	
F 18	13 40 14	26°54'34	25°38'11	11°17'00	0°11'51	2°5'9	9°0	21°23'00	0°43'43	6°D32'43	4°43'43	4°11'11	6°3'3	9°26'26	4°19'19	F 18
S 19	13 44 11	27°53'10	7°12'28	11°0'2'2	2°2'49	9°8'8	21°22	0°46'46	6°32'43	4°43'43	4°D10'43	6°0'0	9°33'33	4°22'22	S 19	
S 20	13 48 7	28°51'45	19°22'10	10°48'3'14	3°14'3'14	3°34'3'14	9°16	21°22'00	0°48'48	6°32'43	4°44'44	4°11'11	5°57'57	9°39'39	4°25'25	S 20
M21	13 52 4	29°50'18	1°32'24	10°41'4'25	4°25'4'18	4°18'4'18	9°25	21°22'00	0°50'50	6°32'43	4°45'45	4°13'13	5°53'53	9°46'46	4°28'28	M21
T 22	13 56 0	0°48'49	13°39'10	10°D38'5'36	5°36'5'3	5°3'3'3	9°33	21°21'00	0°52'52	6°32'43	4°46'46	4°15'15	5°50'50	9°53'53	4°32'32	T 22
W23	13 59 57	1°47'19	26°12'10	10°41'6'48	5'47'5'47	9°41'5'47	9°41	21°21'00	0°54'54	6°32'43	4°46'46	4°R16'46	5°47'47	9°59'59	4°35'35	W23
T 24	14 3 53	2°45'47	9°11'6	10°49'7'59	6'31'6'31	9°50'6'31	21°D21'6'31	0°56'56	6°32'43	4°47'47	4°16'16	5°44'44	10°6'6	4°38'38	T 24	
F 25	14 7 50	3°44'14	22°26'11	1°2'9'10	9'10'9'10	7'16'9'10	9°59	21°21'00	0°58'58	6°32'43	4°48'48	4°14'14	5°41'41	10°13'13	4°41'41	F 25
S 26	14 11 47	4°42'38	6°13'13	11°20'10	10°21'8'0	8°0'10	10°7	21°21'00	1°0'0	6°33'43	4°49'49	4°12'12	5°37'37	10°19'19	4°45'45	S 26
S 27	14 15 43	5°41'02	20°28'11	11°42'11	11°32'11	8°44'8°44	10°16	21°22'00	1°2'2	6°33'43	4°50'50	4°8'8	5°34'34	10°26'26	4°48'48	S 27
M28	14 19 40	6°39'23	5°18'8	12°8'12	12°43'12	9°28'9°28	10°25	21°22'00	1°4'4	6°33'43	4°50'50	4°4'4	5°31'31	10°33'33	4°51'51	M28
T 29	14 23 36	7°37'43	20°8'12	12°39'13	13°54'13	10°12'10	10°34	21°23'00	1°6'6	6°34'43	4°51'51	4°0'0	5°28'28	10°39'39	4°54'54	T 29
W30	14 27 33	8°36'02	5°18'20	13°14'15	15°11'4	10°56'10	10°54	21°23'00	1°11'11	6°13'36	4°52'52	3°17'58	5°12'25	10°14'46	4°19'57	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	4n 3	8n29	4n 6	11n35	3n21	15n12	0n16	7n10	0s26	23n27	0n12	15n39	1n29	12s 9	0s43	T 1
W 2	4 26	13 22	3 9	11 25	3 19	15 37	0 19	7 28	0 25	23 27	0 12	15 40	1 29	12 8	0 43	W 2
T 3	4 49	17 23	2 0	11 12	3 15	16 2	0 22	7 45	0 25	23 27	0 12	15 40	1 29	12 7	0 43	T 3
F 4	5 12	20 12	0 43	10 54	3 10	16 27	0 25	8 3	0 24	23 27	0 12	15 41	1 29	12 6	0 43	F 4
S 5	5 35	21 36	0s35	10 34	3 3	16 52	0 28	8 20	0 23	23 26	0 12	15 41	1 29	12 5	0 43	S 5
S 6	5 58	21 34	1 49	10 10	2 54	17 15	0 31	8 38	0 23	23 26	0 12	15 42	1 29	12 4	0 43	S 6
M 7	6 21	20 12	2 55	9 44	2 44	17 39	0 34	8 55	0 22	23 26	0 12	15 43	1 29	12 3	0 43	M 7
T 8	6 43	17 43	3 49	9 16	2 32	18 2	0 37	9 12	0 22	23 25	0 12	15 43	1 29	12 2	0 43	T 8
W 9	7 6	14 23	4 30	8 47	2 19	18 25	0 40	9 29	0 21	23 25	0 12	15 44	1 29	12 1	0 43	W 9
T 10	7 28	10 27	4 57	8 16	2 6	18 47	0 43	9 46	0 20	23 25	0 12	15 44	1 29	12 1	0 43	T 10
F 11	7 51	6 9	5 8	7 44	1 51	19 9	0 47	10 3	0 20	23 24	0 13	15 44	1 29	12 0	0 43	F 11
S 12	8 13	1 39	5 5	7 13	1 35	19 30	0 50	10 20	0 19	23 24	0 13	15 45	1 28	11 59	0 43	S 12
S 13	8 35	2s51	4 47	6 42	1 19	19 50	0 53	10 36	0 18	23 24	0 13	15 45	1 28	11 58	0 43	S 13
M14	8 57	7 11	4 17	6 11	1 3	20 11	0 56	10 53	0 18	23 23	0 13	15 45	1 28	11 57	0 43	M14
T 15	9 18	11 13	3 36	5 42	0 46	20 30	0 59	11 9	0 17	23 23	0 13	15 46	1 28	11 56	0 43	T 15
W16	9 40	14 47	2 46	5 15	0 29	20 49	1 2	11 26	0 16	23 22	0 13	15 46	1 28	11 56	0 43	W16
T 17	10 1	17 44	1 49	4 49	0 13	21 8	1 4	11 42	0 15	23 22	0 13	15 46	1 28	11 55	0 43	T 17
F 18	10 23	19 56	0 46	4 25	0s 3	21 26	1 7	11 58	0 16	23 22	0 13	15 46	1 28	11 54	0 43	F 18
S 19	10 44	21 16	0n18	4 4	0 19	21 44	1 10	12 14	0 14	23 21	0 13	15 46	1 28	11 53	0 44	S 19
S 20	11 4	21 39	1 22	3 45	0 34	22 0	1 13	12 30	0 14	23 21	0 13	15 46	1 28	11 52	0 44	S 20
M21	11 25	21 3	2 23	3 28	0 49	22 17	1 16	12 45	0 13	23 20	0 13	15 46	1 28	11 52	0 44	M21
T 22	11 46	19 26	3 19	3 15	1 3	22 33	1 19	13 1	0 12	23 20	0 13	15 46	1 28	11 51	0 44	T 22
W23	12 6	16 52	4 7	3 3	1 17	22 48	1 22	13 16	0 12	23 19	0 13	15 46	1 28	11 50	0 44	W23
T 24	12 26	13 25	4 44	2 55	1 29	23 2	1 24	13 31	0 11	23 18	0 13	15 46	1 28	11 50	0 44	T 24
F 25	12 46	9 12	5 7	2 49	1 41	23 16	1 27	13 47	0 11	23 18	0 14	15 46	1 28	11 49	0 44	F 25
S 26	13 6	4 23	5 13	2 46	1 52	23 29	1 30	14 2	0 10	23 17	0 14	15 46	1 28	11 48	0 44	S 26
S 27	13 25	0n50	5 1	2 45	2 3	23 42	1 33	14 16	0 9	23 17	0 14	15 46	1 27	11 48	0 44	S 27
M28	13 45	6 9	4 29	2 46	2 12	23 54	1 35	14 31	0 9	23 16	0 14	15 46	1 27	11 47	0 44	M28
T 29	14 4	11 14	3 38	2 50	2 21	24 6	1 38	14 46	0 8	23 15	0 14	15 46	1 27	11 46	0 44	T 29
W30	14n22	15n41	2n31	2n56	2s29	24n16	1n40	15n 0	0s 7	23n15	0n14	15n45	1n27	11s46	0s44	W30

Julian Day Number = 2422049.5, Delta T = 21.14 sec
 Ecliptic obliquity = 23°26'56", Nutation = 0°00'16", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°36'45", Lahiri = 22°43'45"

ASTRODIENST EPHEMERIS for the year 1919

geocentric

MAY 1919

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 31 29	9♂34'18	20♂33	13♂52	16♂15	11♂40	10♂53	21♂24	1♂9	6♂34	4♂53	3♂R56	5♂22	10♂53	5♂0	T 1
F 2	14 35 26	10°32'33	5♂38	14°35	17°25	12°24	11° 3	21°25	1°11	6°35	4°54	3°D55	5°18	10°59	5° 3	F 2
S 3	14 39 22	11°30'46	20°26	15°21	18°36	13° 8	11°12	21°26	1°13	6°35	4°55	3♂56	5°15	11° 6	5° 6	S 3
S 4	14 43 19	12°28'57	4♂52	16°10	19°46	13°52	11°22	21°27	1°14	6°36	4°56	3°57	5°12	11°13	5° 9	S 4
M 5	14 47 16	13°27'06	18°52	17° 3	20°56	14°36	11°32	21°28	1°16	6°36	4°57	3°59	5° 9	11°19	5°12	M 5
T 6	14 51 12	14°25'14	2♂27	17°59	22° 7	15°20	11°42	21°29	1°18	6°37	4°58	4° 0	5° 6	11°26	5°15	T 6
W 7	14 55 9	15°23'19	15°37	18°58	23°17	16° 3	11°52	21°30	1°19	6°38	4°59	4°R 0	5° 2	11°33	5°18	W 7
T 8	14 59 5	16°21'22	28°25	20° 0	24°26	16°47	12° 2	21°32	1°21	6°38	5° 0	4° 0	4°59	11°39	5°21	T 8
F 9	15 3 2	17°19'23	10♂55	21° 5	25°36	17°30	12°12	21°33	1°22	6°39	5° 1	3°58	4°56	11°46	5°23	F 9
S 10	15 6 58	18°17'22	23°11	22°12	26°46	18°14	12°22	21°35	1°23	6°40	5° 2	3°57	4°53	11°53	5°26	S 10
S 11	15 10 55	19°15'20	5♂15	23°22	27°56	18°57	12°32	21°37	1°25	6°40	5° 3	3°54	4°50	11°59	5°29	S 11
M12	15 14 51	20°13'16	17°11	24°35	29° 5	19°41	12°43	21°39	1°26	6°41	5° 4	3°52	4°47	12° 6	5°32	M12
T 13	15 18 48	21°11'10	29° 2	25°51	0♂15	20°24	12°53	21°41	1°27	6°42	5° 5	3°50	4°43	12°13	5°34	T 13
W14	15 22 45	22° 9'02	10♂51	27° 9	1°24	21° 7	13° 4	21°43	1°28	6°43	5° 6	3°49	4°40	12°19	5°37	W14
T 15	15 26 41	23° 6'53	22°39	28°29	2°33	21°51	13°15	21°45	1°29	6°44	5° 8	3°48	4°37	12°26	5°40	T 15
F 16	15 30 38	24° 4'43	4♂30	29°52	3°42	22°34	13°26	21°47	1°30	6°44	5° 9	3°D48	4°34	12°33	5°42	F 16
S 17	15 34 34	25° 2'31	16°25	1♂17	4°51	23°17	13°36	21°49	1°32	6°45	5°10	3°48	4°31	12°39	5°45	S 17
S 18	15 38 31	26° 0'18	28°26	2°44	6° 0	24° 0	13°47	21°52	1°33	6°46	5°11	3°49	4°28	12°46	5°47	S 18
M19	15 42 27	26°58'04	10♂37	4°14	7° 8	24°43	13°58	21°54	1°33	6°47	5°12	3°50	4°24	12°52	5°50	M19
T 20	15 46 24	27°55'48	22°59	5°45	8°17	25°26	14°10	21°57	1°34	6°48	5°13	3°50	4°21	12°59	5°52	T 20
W21	15 50 20	28°53'31	5♂37	7°20	9°25	26° 9	14°21	22° 0	1°35	6°49	5°15	3°51	4°18	13° 6	5°55	W21
T 22	15 54 17	29°51'13	18°33	8°56	10°33	26°52	14°32	22° 3	1°36	6°50	5°16	3°51	4°15	13°12	5°57	T 22
F 23	15 58 14	0♂48'54	1♂49	10°35	11°42	27°35	14°43	22° 6	1°37	6°52	5°17	3°R51	4°12	13°19	6° 0	F 23
S 24	16 2 10	1°46'35	15°29	12°16	12°50	28°17	14°55	22° 9	1°37	6°53	5°18	3°51	4° 8	13°26	6° 2	S 24
S 25	16 6 7	2°44'14	29°32	13°59	13°57	29° 0	15° 6	22°12	1°38	6°54	5°20	3°51	4° 5	13°32	6° 4	S 25
M26	16 10 3	3°41'52	13°Y58	15°44	15° 5	29°43	15°18	22°15	1°39	6°55	5°21	3°D51	4° 2	13°39	6° 6	M26
T 27	16 14 0	4°39'29	28°44	17°32	16°13	0♂26	15°29	22°18	1°39	6°56	5°22	3°51	3°59	13°46	6° 9	T 27
W28	16 17 56	5°37'05	13♂43	19°22	17°20	1° 8	15°41	22°22	1°40	6°57	5°24	3°51	3°56	13°52	6°11	W28
T 29	16 21 53	6°34'41	28°49	21°14	18°28	1°51	15°53	22°25	1°40	6°59	5°25	3°R51	3°53	13°59	6°13	T 29
F 30	16 25 49	7°32'15	13♂52	23° 8	19°35	2°33	16° 5	22°29	1°41	7° 0	5°26	3°51	3°49	14° 6	6°15	F 30
S 31	16 29 46	8♂29'48	28♂44	25♂5	20♂42	3♂16	16♂17	22♂33	1♂41	7♂1	5♂28	3♂51	3♂46	14♂12	6♂17	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	14n41	19n 4	1n13	3n 5	2s36	24n26	1n43	15n14	0s 7	23n14	0n14	15n45	1n27	11s45	0s44	18n34
F 2	14 59	21 6	0s 9	3 15	2 43	24 36	1 45	15 28	0 6	23 13	0 14	15 45	1 27	11 45	0 44	18 34
S 3	15 18	21 37	1 30	3 28	2 48	24 45	1 47	15 42	0 5	23 13	0 14	15 44	1 27	11 44	0 44	18 34
S 4	15 35	20 39	2 43	3 42	2 53	24 53	1 50	15 56	0 5	23 12	0 14	15 44	1 27	11 43	0 44	18 34
M 5	15 53	18 26	3 43	3 58	2 57	25 0	1 52	16 10	0 4	23 11	0 14	15 43	1 27	11 43	0 44	18 33
T 6	16 10	15 15	4 30	4 16	3 1	25 7	1 54	16 23	0 3	23 10	0 14	15 43	1 27	11 42	0 44	18 33
W 7	16 27	11 23	5 0	4 36	3 3	25 13	1 56	16 36	0 3	23 9	0 14	15 42	1 27	11 42	0 44	18 33
T 8	16 44	7 6	5 15	4 58	3 5	25 18	1 58	16 49	0 2	23 9	0 14	15 42	1 27	11 41	0 44	18 33
F 9	17 1	2 38	5 14	5 21	3 6	25 23	2 0	17 2	0 2	23 8	0 14	15 41	1 27	11 41	0 44	18 33
S 10	17 17	1s52	4 59	5 45	3 7	25 27	2 2	17 15	0 1	23 7	0 15	15 41	1 26	11 41	0 44	18 33
S 11	17 33	6 13	4 30	6 11	3 7	25 30	2 4	17 28	0 0	23 6	0 15	15 40	1 26	11 40	0 44	18 33
M12	17 48	10 18	3 50	6 38	3 6	25 33	2 6	17 40	0n 0	23 5	0 15	15 39	1 26	11 40	0 44	18 32
T 13	18 4	13 57	3 1	7 7	3 5	25 35	2 8	17 52	0 1	23 4	0 15	15 39	1 26	11 39	0 44	18 32
W14	18 19	17 3	2 4	7 37	3 3	25 36	2 9	18 4	0 2	23 3	0 15	15 38	1 26	11 39	0 44	18 32
T 15	18 34	19 26	1 1	8 8	3 1	25 36	2 11	18 16	0 2	23 2	0 15	15 37	1 26	11 39	0 44	18 32
F 16	18 48	20 59	0n 4	8 40	2 57	25 36	2 12	18 28	0 3	23 1	0 15	15 36	1 26	11 38	0 45	18 32
S 17	19 2	21 36	1 9	9 12	2 54	25 35	2 14	18 40	0 4	23 0	0 15	15 36	1 26	11 38	0 45	18 31
S 18	19 16	21 14	2 13	9 46	2 49	25 34	2 15	18 51	0 4	22 59	0 15	15 35	1 26	11 38	0 45	18 31
M19	19 29	19 51	3 11	10 21	2 44	25 31	2 16	19 2	0 5	22 58	0 15	15 34	1 26	11 37	0 45	18 31
T 20	19 42	17 32	4 1	10 57	2 39	25 28	2 17	19 13	0 6	22 57	0 15	15 33	1 26	11 37	0 45	18 31
W21	19 55	14 21	4 40	11 33	2 33	25 25	2 18	19 24	0 6	22 56	0 15	15 32	1 26	11 37	0 45	18 30
T 22	20 8	10 25	5 7	12 10	2 27	25 21	2 19	19 34	0 7	22 55	0 15	15 31	1 26	11 36	0 45	18 30
F 23	20 20	5 53	5 18	12 47	2 20	25 16	2 20	19 45	0 7	22 53	0 15	15 30	1 25	11 36	0 45	18 30
S 24	20 32	0 56	5 11	13 25	2 12	25 10	2 21	19 55	0 8	22 52	0 16	15 29	1 25	11 36	0 45	18 30
S 25	20 43	4n12	4 47	14 4	2 4	25 4	2 22	20 5	0 9	22 51	0 16	15 28	1 25	11 36	0 45	18 29
M26	20 54	9 15	4 3	14 42	1 56	24 57	2 22	20 15	0 9	22 50	0 16	15 27	1 25	11 36	0 45	18 29
T 27	21 5	13 53	4 3	15 21	1 47	24 49	2 23	20 25	0 10	22 49	0 16	15 25	1 25	11 35	0 45	18 29
W28	21 15	17 42	1 50	16 0	1 38	24 41	2 23	20 34	0 11	22 47	0 16	15 24	1 25	11 35	0 45	18 28
T 29	21 25	20 21	0 28	16 39	1 29	24 32	2 23	20 43	0 11	22 46	0 16	15 23	1 25	11 35	0 45	18 28
F 30	21 35	21 33	0s55	17 18	1 19	24 23	2 23	20 52	0 12	22 45	0 16	15 22	1 25	11 35	0 45	18 28
S 31	21n44	21n13	2s14	17n56	1s 9	24n13	2n23	21n 1	0n12	22n43	0n16	15n21	1n25	11s35	0s45	18n28

Julian Day Number = 2422079.5, Delta T = 21.19 sec
 Ecliptic obliquity = 23°26'55, Nutation = 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°36'49, Lahiri = 22°43'49

ASTRODIENST EPHEMERIS for the year 1919

geocentric

JUNE 1919

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 33 43	9II27'20	13☾17	27♂ 3	21☾48	3II58	16☾29	22♂36	1♂41	7♂ 3	5☾29	3°R50	3♂43	14♂19	6♂19	S 1
M 2	16 37 39	10°24'51	27°26	29° 4	22°55	4°40	16°41	22°40	1°42	7° 4	5°30	3♂50	3°40	14°26	6°21	M 2
T 3	16 41 36	11°22'20	11♂ 9	1II 6	24° 2	5°23	16°53	22°44	1°42	7° 5	5°32	3°49	3°37	14°32	6°23	T 3
W 4	16 45 32	12°19'49	24°26	3°10	25° 8	6° 5	17° 5	22°48	1°42	7° 7	5°33	3°48	3°34	14°39	6°25	W 4
T 5	16 49 29	13°17'15	7♂18	5°16	26°14	6°47	17°17	22°52	1°42	7° 8	5°34	3°48	3°30	14°46	6°26	T 5
F 6	16 53 25	14°14'41	19°49	7°24	27°20	7°29	17°29	22°56	1°42	7°10	5°36	3°D48	3°27	14°52	6°28	F 6
S 7	16 57 22	15°12'06	2♂ 2	9°33	28°26	8°11	17°41	23° 1	1°R42	7°11	5°37	3°48	3°24	14°59	6°30	S 7
S 8	17 1 18	16° 9'29	14° 3	11°43	29°31	8°53	17°54	23° 5	1°42	7°13	5°39	3°49	3°21	15° 6	6°31	S 8
M 9	17 5 15	17° 6'51	25°56	13°53	0♂36	9°35	18° 6	23°10	1°42	7°14	5°40	3°50	3°18	15°12	6°33	M 9
T 10	17 9 12	18° 4'13	7♂45	16° 5	1°42	10°17	18°19	23°14	1°42	7°16	5°41	3°52	3°14	15°19	6°35	T 10
W11	17 13 8	19° 1'33	19°33	18°17	2°47	10°59	18°31	23°19	1°42	7°17	5°43	3°53	3°11	15°26	6°36	W11
T 12	17 17 5	19°58'53	1♂23	20°29	3°51	11°41	18°44	23°23	1°41	7°19	5°44	3°R53	3° 8	15°32	6°38	T 12
F 13	17 21 1	20°56'12	13°20	22°41	4°56	12°22	18°56	23°28	1°41	7°21	5°46	3°53	3° 5	15°39	6°39	F 13
S 14	17 24 58	21°53'30	25°24	24°52	6° 0	13° 4	19° 9	23°33	1°41	7°22	5°47	3°52	3° 2	15°45	6°41	S 14
S 15	17 28 54	22°50'47	7♂38	27° 3	7° 4	13°46	19°21	23°38	1°41	7°24	5°49	3°50	2°59	15°52	6°42	S 15
M16	17 32 51	23°48'04	20° 2	29°13	8° 8	14°27	19°34	23°43	1°40	7°26	5°50	3°47	2°55	15°59	6°43	M16
T 17	17 36 47	24°45'21	2♂40	1☾22	9°11	15° 9	19°47	23°48	1°40	7°28	5°52	3°44	2°52	16° 5	6°44	T 17
W18	17 40 44	25°42'37	15°31	3°29	10°14	15°50	20° 0	23°53	1°39	7°29	5°53	3°41	2°49	16°12	6°46	W18
T 19	17 44 41	26°39'52	28°36	5°35	11°17	16°32	20°12	23°58	1°39	7°31	5°54	3°38	2°46	16°19	6°47	T 19
F 20	17 48 37	27°37'08	11♂58	7°39	12°20	17°13	20°25	24° 3	1°38	7°33	5°56	3°36	2°43	16°25	6°48	F 20
S 21	17 52 34	28°34'23	25°36	9°41	13°22	17°55	20°38	24° 9	1°37	7°35	5°57	3°D36	2°40	16°32	6°49	S 21
S 22	17 56 30	29°31'38	9♂31	11°42	14°25	18°36	20°51	24°14	1°37	7°36	5°59	3°36	2°36	16°39	6°50	S 22
M23	18 0 27	0☾28'53	23°43	13°40	15°27	19°17	21° 4	24°20	1°36	7°38	6° 0	3°37	2°33	16°45	6°51	M23
T 24	18 4 23	1°26'08	8♂10	15°37	16°28	19°59	21°17	24°25	1°35	7°40	6° 2	3°38	2°30	16°52	6°52	T 24
W25	18 8 20	2°23'23	22°49	17°31	17°29	20°40	21°30	24°31	1°34	7°42	6° 3	3°40	2°27	16°59	6°53	W25
T 26	18 12 16	3°20'38	7II35	19°23	18°30	21°21	21°43	24°36	1°33	7°44	6° 5	3°R40	2°24	17° 5	6°53	T 26
F 27	18 16 13	4°17'52	22°21	21°14	19°31	22° 2	21°56	24°42	1°32	7°46	6° 6	3°39	2°20	17°12	6°54	F 27
S 28	18 20 10	5°15'07	7☾ 2	23° 2	20°31	22°43	22° 9	24°48	1°32	7°48	6° 8	3°36	2°17	17°19	6°55	S 28
S 29	18 24 6	6°12'21	21°29	24°47	21°31	23°24	22°22	24°54	1°30	7°50	6° 9	3°32	2°14	17°25	6°55	S 29
M30	18 28 3	7☾ 9'35	5♂37	26☾31	22♂31	24II 5	22☾36	25♂ 0	1♂29	7♂52	6☾11	3♂27	2♂11	17♂32	6♂56	M30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	21n53	19n26	3s22	18n34	0s58	24n 2	2n23	21n10	0n13	22n42	0n16	15n19	1n25	11s35	0s45	S 1
M 2	22 1 16	30 4 16	19 11	0 48	23 51	2 23	21 18	0 14	22 40	0 16	15 18	1 25	11 35	0 45	18 27	M 2
T 3	22 9 12	44 4 53	19 47	0 37	23 39	2 23	21 26	0 14	22 39	0 16	15 17	1 25	11 35	0 45	18 27	T 3
W 4	22 17 8	27 5 13	20 22	0 26	23 27	2 22	21 34	0 15	22 38	0 16	15 15	1 25	11 35	0 45	18 26	W 4
T 5	22 24 3 56	5 17	20 56	0 15	23 14	2 22	21 42	0 16	22 36	0 16	15 14	1 25	11 35	0 45	18 26	T 5
F 6	22 31 0s39	5 5	21 29	0 5	23 1	2 21	21 50	0 16	22 35	0 16	15 12	1 25	11 35	0 45	18 25	F 6
S 7	22 38 5 5	4 40	22 0	0n 6	22 47	2 21	21 57	0 17	22 33	0 16	15 11	1 24	11 35	0 45	18 25	S 7
S 8	22 44 9 16	4 3	22 28	0 17	22 32	2 20	22 5	0 17	22 31	0 17	15 9	1 24	11 35	0 45	18 25	S 8
M 9	22 49 13 3	3 15	22 55	0 27	22 17	2 19	22 12	0 18	22 30	0 17	15 8	1 24	11 35	0 45	18 24	M 9
T 10	22 55 16 18	2 20	23 20	0 37	22 1	2 17	22 18	0 19	22 28	0 17	15 6	1 24	11 35	0 46	18 24	T 10
W11	23 0 18 53	1 19	23 42	0 47	21 45	2 16	22 25	0 19	22 27	0 17	15 5	1 24	11 35	0 46	18 24	W11
T 12	23 4 20 40	0 14	24 2	0 56	21 29	2 15	22 31	0 20	22 25	0 17	15 3	1 24	11 35	0 46	18 23	T 12
F 13	23 8 21 33	0n52	24 19	1 5	21 12	2 13	22 37	0 20	22 23	0 17	15 2	1 24	11 35	0 46	18 23	F 13
S 14	23 12 21 26	1 56	24 34	1 13	20 54	2 12	22 43	0 21	22 22	0 17	15 0	1 24	11 36	0 46	18 22	S 14
S 15	23 15 20 18	2 56	24 45	1 20	20 36	2 10	22 49	0 22	22 20	0 17	14 58	1 24	11 36	0 46	18 22	S 15
M16	23 18 18 12	3 48	24 54	1 27	20 18	2 8	22 55	0 22	22 18	0 17	14 56	1 24	11 36	0 46	18 22	M16
T 17	23 21 15 11	4 30	25 0	1 33	19 59	2 6	23 0	0 23	22 16	0 17	14 55	1 24	11 36	0 46	18 21	T 17
W18	23 23 11 25	4 59	25 3	1 39	19 40	2 4	23 5	0 23	22 15	0 17	14 53	1 24	11 36	0 46	18 21	W18
T 19	23 24 7 3	5 14	25 3	1 44	19 21	2 1	23 10	0 24	22 13	0 17	14 51	1 24	11 37	0 46	18 20	T 19
F 20	23 26 2 16	5 11	25 1	1 48	19 1	1 59	23 15	0 25	22 11	0 17	14 49	1 24	11 37	0 46	18 20	F 20
S 21	23 26 2n43	4 52	24 56	1 51	18 40	1 56	23 19	0 25	22 9	0 18	14 48	1 24	11 37	0 46	18 19	S 21
S 22	23 27 7 41	4 15	24 49	1 54	18 19	1 54	23 23	0 26	22 7	0 18	14 46	1 24	11 37	0 46	18 19	S 22
M23	23 27 12 20	3 22	24 40	1 55	17 58	1 51	23 27	0 26	22 5	0 18	14 44	1 24	11 38	0 46	18 18	M23
T 24	23 26 16 22	2 16	24 28	1 56	17 37	1 48	23 31	0 27	22 3	0 18	14 42	1 24	11 38	0 46	18 18	T 24
W25	23 26 19 26	0 59	24 14	1 57	17 15	1 44	23 35	0 27	22 1	0 18	14 40	1 24	11 38	0 46	18 17	W25
T 26	23 24 21 14	0s21	23 58	1 56	16 53	1 41	23 38	0 28	21 59	0 18	14 38	1 24	11 39	0 46	18 17	T 26
F 27	23 23 21 33	1 41	23 40	1 55	16 31	1 38	23 41	0 29	21 57	0 18	14 36	1 23	11 39	0 46	18 17	F 27
S 28	23 21 20 23	2 53	23 21	1 54	16 8	1 34	23 44	0 29	21 55	0 18	14 34	1 23	11 39	0 46	18 16	S 28
S 29	23 18 17 55	3 52	23 0	1 51	15 45	1 30	23 47	0 30	21 53	0 18	14 32	1 23	11 40	0 46	18 16	S 29
M30	23n15	14n25	4s36	22n38	1n48	15n22	23n49	0n30	21n51	0n18	14n30	1n23	11s40	0s46	18n15	M30

Julian Day Number = 2422110.5, Delta T = 21.24 sec

Ecliptic obliquity = 23°26'55, Nutation = 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°36'53, Lahiri = 22°43'54

ASTRODIENST EPHEMERIS for the year 1919
geocentric

JULY 1919

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	18 31 59	8°56'49"	19°02'22"	28°02'12"	23°02'30"	24°02'46"	22°02'49"	25°02'06"	1°02'28"	7°02'54"	6°02'12"	3°02'22"	2°02'08"	17°02'39"	6°02'57"	T 1
W 2	18 35 56	9° 4'02"	2°02'41"	29°02'52"	24°02'29"	25°02'27"	23° 2'	25°02'12"	1°02'27"	7°02'56"	6°02'14"	3°02'17"	2° 5'	17°02'45"	6°02'57"	W 2
T 3	18 39 52	10° 1'15"	15°03'36"	1°02'29"	25°02'27"	26° 8'	23°02'15"	25°02'18"	1°02'26"	7°02'58"	6°02'15"	3°02'13"	2° 1'	17°02'52"	6°02'58"	T 3
F 4	18 43 49	10°05'28"	28°02'10"	3° 4'	26°02'26"	26°02'48"	23°02'28"	25°02'24"	1°02'25"	8° 0'	6°02'17"	3°02'11"	1°02'58"	17°02'58"	6°02'58"	F 4
S 5	18 47 45	11°05'54"	10°02'24"	4°03'36"	27°02'23"	27°02'29"	23°02'42"	25°02'30"	1°02'24"	8° 2'	6°02'18"	3°02'10"	1°02'55"	18° 5'	6°02'58"	S 5
S 6	18 51 42	12°05'25"	22°02'25"	6° 7'	28°02'20"	28°02'10"	23°02'55"	25°02'36"	1°02'22"	8° 4'	6°02'20"	3°02'11"	1°02'52"	18°02'12"	6°02'59"	S 6
M 7	18 55 39	13°05'04"	4°02'17"	7°03'35"	29°02'17"	28°02'50"	24° 8'	25°02'43"	1°02'21"	8° 6'	6°02'21"	3°02'12"	1°02'49"	18°02'18"	6°02'59"	M 7
T 8	18 59 35	14°04'16"	16° 6'	9° 1'	0°02'13"	29°02'31"	24°02'21"	25°02'49"	1°02'20"	8° 8'	6°02'23"	3°02'13"	1°02'46"	18°02'25"	6°02'59"	T 8
W 9	19 3 32	15°04'42"	27°05'51"	10°02'24"	1° 9'	0°02'11"	24°02'35"	25°02'55"	1°02'18"	8°02'10"	6°02'24"	3°02'15"	1°02'42"	18°02'32"	6°02'59"	W 9
T 10	19 7 28	16°04'10"	9°02'50"	11°02'45"	2° 4'	0°02'52"	24°02'48"	26° 2'	1°02'17"	8°02'12"	6°02'26"	3°02'14"	1°02'39"	18°02'38"	6°02'59"	T 10
F 11	19 11 25	17°03'51"	21°02'53"	13° 4'	2°02'59"	1°02'32"	25° 1'	26° 8'	1°02'15"	8°02'14"	6°02'27"	3°02'13"	1°02'36"	18°02'45"	6°02'59"	F 11
S 12	19 15 21	18°03'03"	4°02'08"	14°02'21"	3°02'53"	2°02'13"	25°02'15"	26°02'15"	1°02'14"	8°02'16"	6°02'28"	3° 9'	1°02'33"	18°02'52"	6°02'59"	S 12
S 13	19 19 18	19°03'31"	16°02'37"	15°03'35"	4°02'47"	2°02'53"	25°02'28"	26°02'21"	1°02'12"	8°02'18"	6°02'30"	3° 3'	1°02'30"	18°02'58"	6°02'59"	S 13
M14	19 23 15	20°03'02"	29°02'20"	16°02'46"	5°02'40"	3°02'33"	25°02'41"	26°02'28"	1°02'10"	8°02'20"	6°02'31"	2°02'56"	1°02'26"	19° 5'	6°02'59"	M14
T 15	19 27 11	21°02'74"	12°02'18"	17°02'55"	6°02'33"	4°02'14"	25°02'55"	26°02'35"	1° 9'	8°02'23"	6°02'33"	2°02'48"	1°02'23"	19°02'12"	6°02'59"	T 15
W16	19 31 8	22°02'45"	25°02'30"	19° 1'	7°02'25"	4°02'54"	26° 8'	26°02'41"	1° 7'	8°02'25"	6°02'34"	2°02'40"	1°02'20"	19°02'18"	6°02'58"	W16
T 17	19 35 4	23°02'20"	8°02'54"	20° 5'	8°02'16"	5°02'34"	26°02'21"	26°02'48"	1° 5'	8°02'27"	6°02'36"	2°02'32"	1°02'17"	19°02'25"	6°02'58"	T 17
F 18	19 39 1	24°02'19"	22°02'30"	21° 5'	9° 7'	6°02'14"	26°02'35"	26°02'55"	1° 4'	8°02'29"	6°02'37"	2°02'27"	1°02'14"	19°02'32"	6°02'58"	F 18
S 19	19 42 57	25°02'16"	6°02'17"	22° 3'	9°02'56"	6°02'54"	26°02'48"	27° 2'	1° 2'	8°02'31"	6°02'39"	2°02'23"	1°02'11"	19°02'38"	6°02'57"	S 19
S 20	19 46 54	26°02'13"	20°02'13"	22°02'57"	10°02'46"	7°02'34"	27° 2'	27° 9'	1° 0'	8°02'33"	6°02'40"	2°02'21"	1° 7'	19°02'45"	6°02'57"	S 20
M21	19 50 50	27°02'11"	0°02'48"	23°02'49"	11°02'34"	8°02'14"	27°02'15"	27°02'16"	0°02'58"	8°02'36"	6°02'41"	2°02'21"	1° 4'	19°02'52"	6°02'57"	M21
T 22	19 54 47	28° 8'23"	18°02'29"	24°02'36"	12°02'22"	8°02'54"	27°02'28"	27°02'23"	0°02'56"	8°02'38"	6°02'43"	2°02'22"	1° 1'	19°02'58"	6°02'56"	T 22
W23	19 58 44	29° 5'42"	2°02'18"	25°02'21"	13° 9'	9°02'34"	27°02'42"	27°02'30"	0°02'55"	8°02'40"	6°02'44"	2°02'23"	0°02'58"	20° 5'	6°02'55"	W23
T 24	20 2 40	0°02'18"	17°02'10"	26° 2'	13°02'55"	10°02'14"	27°02'55"	27°02'37"	0°02'53"	8°02'42"	6°02'46"	2°02'22"	0°02'55"	20°02'11"	6°02'55"	T 24
F 25	20 6 37	1° 0'20"	1°02'33"	26°02'39"	14°02'40"	10°02'54"	28° 9'	27°02'44"	0°02'51"	8°02'44"	6°02'47"	2°02'19"	0°02'52"	20°02'18"	6°02'54"	F 25
S 26	20 10 33	1°05'41"	15°02'51"	27°02'12"	15°02'25"	11°02'33"	28°02'22"	27°02'51"	0°02'49"	8°02'47"	6°02'48"	2°02'13"	0°02'48"	20°02'25"	6°02'53"	S 26
S 27	20 14 30	2°05'52"	0°02'00"	27°02'41"	16° 8'	12°02'13"	28°02'35"	27°02'58"	0°02'47"	8°02'49"	6°02'50"	2° 5'	0°02'45"	20°02'31"	6°02'52"	S 27
M28	20 18 26	3°05'22"	13°02'55"	28° 6'	16°02'51"	12°02'53"	28°02'49"	28° 5'	0°02'45"	8°02'51"	6°02'51"	1°02'56"	0°02'42"	20°02'38"	6°02'52"	M28
T 29	20 22 23	4°04'49"	27°02'31"	28°02'26"	17°02'33"	13°02'33"	29° 2'	28°02'12"	0°02'43"	8°02'53"	6°02'52"	1°02'46"	0°02'39"	20°02'45"	6°02'51"	T 29
W30	20 26 19	5°04'71"	10°02'45"	28°02'42"	18°02'13"	14°02'12"	29°02'15"	28°02'20"	0°02'40"	8°02'55"	6°02'54"	1°02'36"	0°02'36"	20°02'51"	6°02'50"	W30
T 31	20 30 16	6°04'44"	23°02'38"	28°02'53"	18°02'53"	14°02'52"	29°02'29"	28°02'27"	0°02'38"	8°02'58"	6°02'55"	1°02'27"	0°02'32"	20°02'58"	6°02'49"	T 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23n12	10n13	5s 3	22n14	1n44	14n59	1n22	23n52	0n31	21n49	0n18	14n28	1n23	11s41	0s46	18n15	0s 4	19n25	3s54	20s50	20s36	18s20	5n25	2n54	
W 2	23 8	5 40	5 12	21 49	1 40	14 35	1 18	23 54	0 32	21 47	0 18	14 26	1 23	11 41	0 46	18 14	0 4	19 25	3 54	20 49	20 35	18 21	5 26	2 54	
T 3	23 4	1 0	5 5	21 23	1 35	14 12	1 13	23 56	0 32	21 45	0 18	14 24	1 23	11 41	0 46	18 14	0 4	19 25	3 54	20 49	20 34	18 22	5 26	2 54	
F 4	23 0	3s36	4 43	20 56	1 30	13 48	1 9	23 57	0 33	21 43	0 19	14 22	1 23	11 42	0 46	18 13	0 4	19 25	3 54	20 48	20 34	18 23	5 26	2 55	
S 5	22 55	7 56	4 9	20 29	1 24	13 23	1 4	23 59	0 33	21 41	0 19	14 20	1 23	11 42	0 46	18 13	0 4	19 24	3 54	20 48	20 33	18 25	5 26	2 55	
S 6	22 49	11 53	3 24	20 0	1 17	12 59	0 59	24 0	0 34	21 38	0 19	14 18	1 23	11 43	0 46	18 12	0 4	19 24	3 54	20 48	20 33	18 26	5 27	2 55	
M 7	22 44	15 19	2 31	19 31	1 10	12 34	0 54	24 1	0 34	21 36	0 19	14 16	1 23	11 43	0 47	18 11	0 4	19 24	3 54	20 48	20 32	18 27	5 27	2 55	
T 8	22 38	18 8	1 32	19 1	1 3	12 10	0 49	24 2	0 35	21 34	0 19	14 13	1 23	11 44	0 47	18 11	0 4	19 24	3 54	20 49	20 31	18 28	5 27	2 55	
W 9	22 31	20 10	0 29	18 31	0 55	11 45	0 44	24 2	0 35	21 32	0 19	14 11	1 23	11 44	0 47	18 10	0 4	19 24	3 53	20 49	20 31	18 29	5 27	2 55	
T 10	22 24	21 21	0n36	18 1	0 46	11 20	0 38	24 3	0 36	21 29	0 19	14 9	1 23	11 45	0 47	18 10	0 4	19 24	3 53	20 49	20 30	18 30	5 27	2 55	
F 11	22 17	21 33	1 39	17 30	0 37	10 55	0 32	24 3	0 37	21 27	0 19	14 7	1 23	11 46	0 47	18 9	0 4	19 24	3 53	20 48	20 29	18 31	5 27	2 55	
S 12	22 9	20 44	2 39	16 59	0 28	10 30	0 26	24 3	0 37	21 25	0 19	14 5	1 23	11 46	0 47	18 9	0 4	19 24	3 53	20 48	20 29	18 32	5 27	2 55	
S 13	22 1	18 54	3 33	16 28	0 18	10 5	0 20	24 3	0 38	21 22	0 19	14 2	1 23	11 47	0 47	18 8	0 4	19 24	3 53	20 47	20 28	18 33	5 27	2 55	
M14	21 53	16 7	4 16	15 57	0 8	9 39	0 14	24 2	0 38	21 20	0 19	14 0	1 23	11 47	0 47	18 8	0 4	19 24	3 53	20 45	20 27	18 34	5 27	2 55	
T 15	21 44	12 30	4 48	15 26	0s 2	9 14	0 8	24 2	0 39	21 17	0 19	13 58	1 23	11 48	0 47	18 7	0 4	19 24	3 53	20 44	20 27	18 35	5 27	2 56	
W16	21 35	8 14	5 5	14 55	0 13	8 49	0 1	24 1	0 39	21 15	0 20	13 55	1 23	11 49	0 47	18 7	0 4	19 24	3 53	20 42	20 26	18 36	5 27	2 56	
T 17	21 26	3 31	5 5	14 24	0 25	8 23	0s 6	24 0	0 40	21 13	0 20	13 53	1 23	11 49	0 47	18 6	0 3	19 24	3 53	20 41	20 25	18 37	5 27	2 56	
F 18	21 16	1n27	4 49	13 54	0 36	7 58	0 12	23 59	0 40	21 10	0 20	13 51	1 23	11 50	0 47	18 6	0 3	19 24	3 53	20 39	20 25	18 38	5 27	2 56	
S 19	21 5	6 24	4 15	13 25	0 48	7 33	0 20	23 57	0 41	21 8	0 20	13 48	1 23	11 51	0 47	18 5	0 3	19 24	3 53	20 39	20 24	18 39	5 27	2 56	
S 20	20 55	11 5	3 27	12 55	1 0	7 7	0 27	23 55	0 42	21 5	0 20	13 46	1 23	11 51	0 47	18 4	0 3	19 24	3 53	20 38	20 24	18 40	5 27	2 56	
M21	20 44	15 14	2 25	12 27	1 12	6 42	0 34	23 54	0 42	21 3	0 20	13 44	1 23	11 52	0 47	18 4	0 3	19 24	3 53	20 38	20 23	18 41	5 27	2 56	
T 22	20 33	18 31	1 14	11 59	1 25	6 17	0 42	23 51	0 43	21 0	0 20	13 41	1 23	11 53	0 47	18 3	0 3	19 24	3 53	20 39	20 22	18 41	5 27	2 56	
W23	20 21	20 41	0s 2	11 32	1 38	5 51	0 50	23 49	0 43	20 58	0 20	13 39	1 23	11 53	0 47	18 3	0 3	19 24	3 53	20 39	20 22	18 42	5 27	2 56	
T 24	20 9	21 32	1 18	11 7	1 51	5 26	0 58	23 47	0 44	20 55	0 20	13 36	1 23	11 54	0 47	18 2	0 3	19 24	3 53	20 38	20 21	18 43	5 27	2 56	
F 25	19 57	20 57	2 30	10 42	2 4	5 1	1 6	23 44	0 44	20 52	0 20	13 34	1 23	11 55	0 47	18 2	0 3	19 24	3 53	20 38	20 20	18 44	5 26	2 56	
S 26	19 44	19 1	3 31	10 18	2 17	4 37	1 14	23 41	0 45	20 50	0 20	13 31	1 23	11 55	0 47	18 1	0 3	19 24	3 53	20 37	20 20	18 45	5 26	2 57	
S 27	19 31	15 57	4 18	9 56	2 30	4 12	1 23	23 38	0 45	20 47	0 21	13 29	1 23	11 56	0 47	18 0	0 3	19 24	3 53	20 35	20 19	18 46	5 26	2 57	
M28	19 18	12 2	4 49	9 35	2 43	3 47	1 32	23 35	0 46	20 45	0 21	13 27	1 23	11 57	0 47	18 0	0 3	19 24	3 53	20 33	20 18	18 47	5 26	2 57	
T 29	19 4	7 36	5 3	9 16	2 56	3 23	1 40	23 32	0 46	20 42	0 21	13 24	1 23	11 58	0 47	17 59	0 3	19 24	3 53	20 31	20 18	18 48	5 25	2 57	
W30	18 50	2 54	5 0	8 59	3 9	2 59	1 49	23 28	0 47	20 39	0 21	13 22	1 23	11 58	0 47	17 59	0 3	19 23	3 53	20 29	20 17	18 49	5 25	2 57	
T 31	18n36	1s47	4s42	8n43	3s21	2n35	1s59	23n24	0n47	20n37	0n21	13n19	1n23	11s59	0s47	17n58	0s 3	19n23	3s53	20s28	20s16	18s50	5n25	2n57	

ASTRODIENST EPHEMERIS for the year 1919

geocentric

AUGUST 1919

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 34 13	7♏41'58	6♊11	28♏59	19♏31	15♏31	29♏42	28♏34	0°R36	9♏ 0	6♏56	1°R21	0°29	21♏ 5	6°R48	F 1
S 2	20 38 9	8°39'23	18°25	29°R 0	20° 9	16°11	29°55	28°41	0°H34	9° 2	6°58	1°17	0°26	21°11	6°Y47	S 2
S 3	20 42 6	9°36'49	0♏26	28°55	20°45	16°50	0♏ 8	28°49	0°32	9° 4	6°59	1°15	0°23	21°18	6°45	S 3
M 4	20 46 2	10°34'15	12°18	28°46	21°20	17°30	0°22	28°56	0°30	9° 7	7° 0	1°D14	0°20	21°25	6°44	M 4
T 5	20 49 59	11°31'42	24° 7	28°31	21°53	18° 9	0°35	29° 3	0°27	9° 9	7° 2	1°15	0°17	21°31	6°43	T 5
W 6	20 53 55	12°29'10	5♊57	28°11	22°26	18°48	0°48	29°11	0°25	9°11	7° 3	1°R15	0°13	21°38	6°42	W 6
T 7	20 57 52	13°26'39	17°55	27°46	22°56	19°27	1° 1	29°18	0°23	9°13	7° 4	1°13	0°10	21°45	6°40	T 7
F 8	21 1 48	14°24'08	0♊ 4	27°16	23°26	20° 7	1°15	29°26	0°21	9°16	7° 5	1°10	0° 7	21°51	6°39	F 8
S 9	21 5 45	15°21'39	12°29	26°41	23°54	20°46	1°28	29°33	0°18	9°18	7° 6	1° 4	0° 4	21°58	6°38	S 9
S 10	21 9 42	16°19'10	25°11	26° 2	24°20	21°25	1°41	29°41	0°16	9°20	7° 8	0°56	0° 1	22° 4	6°36	S 10
M 11	21 13 38	17°16'42	8♊13	25°20	24°45	22° 4	1°54	29°48	0°14	9°22	7° 9	0°45	29♏58	22°11	6°35	M 11
T 12	21 17 35	18°14'16	21°32	24°34	25° 8	22°43	2° 7	29°56	0°12	9°24	7°10	0°34	29°54	22°18	6°33	T 12
W 13	21 21 31	19°11'50	5♊ 8	23°46	25°29	23°22	2°20	0♏ 3	0° 9	9°27	7°11	0°22	29°51	22°24	6°32	W 13
T 14	21 25 28	20° 9'26	18°57	22°57	25°49	24° 1	2°33	0°11	0° 7	9°29	7°12	0°11	29°48	22°31	6°30	T 14
F 15	21 29 24	21° 7'03	2°Y56	22° 7	26° 6	24°40	2°46	0°18	0° 5	9°31	7°13	0° 3	29°45	22°38	6°28	F 15
S 16	21 33 21	22° 4'41	17° 0	21°17	26°22	25°19	2°59	0°26	0° 2	9°33	7°15	29♏57	29°42	22°44	6°26	S 16
S 17	21 37 17	23° 2'21	1♊ 8	20°28	26°36	25°58	3°12	0°33	29♊59	9°35	7°16	29°53	29°38	22°51	6°25	S 17
M 18	21 41 14	24° 0'03	15°16	19°42	26°48	26°36	3°25	0°41	29°57	9°37	7°17	29°52	29°35	22°58	6°23	M 18
T 19	21 45 10	24°57'46	29°23	18°59	26°57	27°15	3°38	0°49	29°55	9°40	7°18	29°52	29°32	23° 4	6°21	T 19
W 20	21 49 7	25°55'31	13♏29	18°20	27° 5	27°54	3°51	0°56	29°53	9°42	7°19	29°52	29°29	23°11	6°19	W 20
T 21	21 53 4	26°53'18	27°32	17°46	27°10	28°33	4° 4	1° 4	29°50	9°44	7°20	29°50	29°26	23°18	6°17	T 21
F 22	21 57 0	27°51'07	11♏31	17°18	27°13	29°11	4°16	1°11	29°48	9°46	7°21	29°46	29°23	23°24	6°15	F 22
S 23	22 0 57	28°48'57	25°24	16°56	27°R14	29°50	4°29	1°19	29°46	9°48	7°22	29°39	29°19	23°31	6°13	S 23
S 24	22 4 53	29°46'48	9♏ 9	16°41	27°13	0♏28	4°42	1°27	29°43	9°50	7°23	29°29	29°16	23°37	6°11	S 24
M 25	22 8 50	0♏44'41	22°41	16°D34	27° 9	1° 7	4°55	1°34	29°41	9°52	7°24	29°17	29°13	23°44	6° 9	M 25
T 26	22 12 46	1°42'36	5♏59	16°34	27° 3	1°45	5° 7	1°42	29°38	9°55	7°25	29° 4	29°10	23°51	6° 7	T 26
W 27	22 16 43	2°40'32	19° 1	16°43	26°55	2°24	5°20	1°49	29°36	9°57	7°26	28°52	29° 7	23°57	6° 5	W 27
T 28	22 20 39	3°38'30	1♊44	16°59	26°44	3° 2	5°32	1°57	29°34	9°59	7°27	28°41	29° 3	24° 4	6° 3	T 28
F 29	22 24 36	4°36'29	14°11	17°24	26°31	3°41	5°45	2° 5	29°31	10° 1	7°28	28°32	29° 0	24°11	6° 1	F 29
S 30	22 28 33	5°34'29	26°22	17°56	26°15	4°19	5°57	2°12	29°29	10° 3	7°29	28°26	28°57	24°17	5°58	S 30
S 31	22 32 29	6♏32'31	8♏20	18♏37	25♏57	4♏57	6♏10	2♏20	29♊26	10♏ 5	7♏29	28♏23	28♏54	24♏24	5°Y56	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	18n21	6s17	4s10	8n30	3s33	2n11	2s 8	23n20	0n48	20n34	0n21	13n17	1n23	12s 0	0s47	17n58
S 2	18 6	10 25	3 28	8 19	3 45	1 48	2 18	23 16	0 48	20 31	0 21	13 14	1 23	12 1	0 47	17 57
S 3	17 51	14 4	2 37	8 10	3 56	1 24	2 28	23 12	0 49	20 28	0 21	13 11	1 23	12 1	0 47	17 56
M 4	17 46	17 6	1 39	8 3	4 7	1 2	2 38	23 7	0 49	20 26	0 21	13 9	1 23	12 2	0 47	17 56
T 5	17 20	19 25	0 38	7 59	4 16	0 39	2 48	23 3	0 50	20 23	0 21	13 6	1 23	12 3	0 47	17 55
W 6	17 4	20 54	0n25	7 57	4 25	0 17	2 58	22 58	0 50	20 20	0 21	13 4	1 23	12 4	0 47	17 55
T 7	16 48	21 27	1 28	7 59	4 33	0s 5	3 8	22 53	0 51	20 17	0 22	13 1	1 23	12 5	0 47	17 54
F 8	16 31	21 0	2 27	8 3	4 40	0 26	3 19	22 47	0 52	20 15	0 22	12 59	1 23	12 5	0 47	17 54
S 9	16 14	19 32	3 20	8 9	4 45	0 47	3 30	22 42	0 52	20 12	0 22	12 56	1 23	12 6	0 47	17 53
S 10	15 57	17 5	4 5	8 19	4 48	1 8	3 41	22 36	0 53	20 9	0 22	12 53	1 23	12 7	0 47	17 52
M 11	15 40	13 44	4 39	8 31	4 50	1 28	3 52	22 31	0 53	20 6	0 22	12 51	1 23	12 8	0 47	17 52
T 12	15 22	9 38	4 57	8 46	4 51	1 47	4 3	22 25	0 54	20 3	0 22	12 48	1 23	12 9	0 47	17 51
W 13	15 4	4 58	5 0	9 3	4 49	2 6	4 14	22 19	0 54	20 0	0 22	12 46	1 24	12 10	0 47	17 51
T 14	14 46	0n 0	4 45	9 22	4 46	2 24	4 26	22 13	0 55	19 58	0 22	12 43	1 24	12 10	0 47	17 50
F 15	14 28	5 3	4 14	9 43	4 41	2 42	4 37	22 6	0 55	19 55	0 22	12 40	1 24	12 11	0 47	17 50
S 16	14 9	9 51	3 26	10 5	4 34	2 58	4 49	22 0	0 56	19 52	0 23	12 38	1 24	12 12	0 47	17 49
S 17	13 51	14 9	2 26	10 29	4 25	3 15	5 1	21 53	0 56	19 49	0 23	12 35	1 24	12 13	0 47	17 48
M 18	13 32	17 38	1 17	10 53	4 14	3 30	5 12	21 46	0 57	19 46	0 23	12 32	1 24	12 14	0 47	17 48
T 19	13 12	20 4	0 3	11 18	4 2	3 45	5 24	21 39	0 57	19 43	0 23	12 30	1 24	12 15	0 47	17 47
W 20	12 53	21 15	1s11	11 43	3 48	3 59	5 36	21 32	0 58	19 40	0 23	12 27	1 24	12 15	0 47	17 47
T 21	12 33	21 5	2 21	12 7	3 33	4 12	5 48	21 24	0 58	19 37	0 23	12 24	1 24	12 16	0 47	17 46
F 22	12 13	19 36	3 21	12 31	3 17	4 24	5 59	21 17	0 58	19 34	0 23	12 22	1 24	12 17	0 47	17 46
S 23	11 53	16 59	4 9	12 54	3 1	4 35	6 11	21 9	0 59	19 31	0 23	12 19	1 24	12 18	0 47	17 45
S 24	11 33	13 26	4 42	13 15	2 43	4 45	6 23	21 1	0 59	19 29	0 23	12 16	1 24	12 19	0 47	17 44
M 25	11 13	9 15	4 58	13 34	2 25	4 54	6 34	20 54	1 0	19 26	0 24	12 14	1 24	12 20	0 47	17 44
T 26	10 52	4 41	4 58	13 51	2 7	5 2	6 45	20 45	1 0	19 23	0 24	12 11	1 24	12 21	0 47	17 43
W 27	10 31	0 1	4 42	14 6	1 49	5 8	6 56	20 37	1 1	19 20	0 24	12 8	1 24	12 21	0 47	17 43
T 28	10 11	4s33	4 13	14 19	1 30	5 14	7 7	20 29	1 1	19 17	0 24	12 6	1 24	12 22	0 47	17 42
F 29	9 49	8 50	3 31	14 29	1 12	5 18	7 17	20 20	1 2	19 14	0 24	12 3	1 24	12 23	0 47	17 42
S 30	9 28	12 41	2 41	14 35	0 55	5 21	7 28	20 12	1 2	19 11	0 24	12 0	1 25	12 24	0 47	17 41
S 31	9n 7	15s56	1s44	14n39	0s38	5s23	7s37	20n 3	1n 3	19n 8	0n24	11n58	1n25	12s25	0s47	17n41

Julian Day Number = 2422171.5, Delta T = 21.35 sec
 Ecliptic obliquity = 23°26'55, Nutation = 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°37'02, Lahiri = 22°44'02

ASTRODIENST EPHEMERIS for the year 1919

geocentric

SEPTEMBER 1919

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 36 26	7♍30'34	20♍11	19♌25	25°R37	5♌36	6♌22	2♍28	29°R24	10♌7	7♌30	28°R21	28♍51	24♍31	5°R54	M 1
T 2	22 40 22	8°28'39	1♌59	20°21	25♍15	6°14	6°34	2°35	29°R22	10°9	7°31	28♍21	28°48	24°37	5°Y52	T 2
W 3	22 44 19	9°26'45	13°49	21°24	24°50	6°52	6°46	2°43	29°19	10°11	7°32	28°21	28°44	24°44	5°49	W 3
T 4	22 48 15	10°24'53	25°47	22°33	24°24	7°30	6°59	2°50	29°17	10°13	7°33	28°20	28°41	24°51	5°47	T 4
F 5	22 52 12	11°23'02	7♌59	23°49	23°56	8°8	7°11	2°58	29°15	10°15	7°33	28°17	28°38	24°57	5°44	F 5
S 6	22 56 8	12°21'12	20°28	25°11	23°25	8°46	7°23	3°5	29°12	10°17	7°34	28°12	28°35	25°4	5°42	S 6
S 7	23 0 5	13°19'24	3♌18	26°37	22°54	9°24	7°35	3°13	29°10	10°19	7°35	28°5	28°32	25°11	5°40	S 7
M 8	23 4 2	14°17'37	16°32	28°9	22°20	10°2	7°47	3°21	29°8	10°21	7°36	27°55	28°29	25°17	5°37	M 8
T 9	23 7 58	15°15'53	0♌8	29°45	21°46	10°40	7°58	3°28	29°5	10°23	7°36	27°44	28°25	25°24	5°35	T 9
W10	23 11 55	16°14'09	14°6	1♍24	21°11	11°18	8°10	3°36	29°3	10°25	7°37	27°33	28°22	25°30	5°32	W10
T 11	23 15 51	17°12'28	28°20	3°7	20°34	11°56	8°22	3°43	29°1	10°26	7°38	27°22	28°19	25°37	5°30	T 11
F 12	23 19 48	18°10'48	12♍44	4°52	19°58	12°33	8°34	3°50	28°59	10°28	7°38	27°14	28°16	25°44	5°27	F 12
S 13	23 23 44	19°9'11	27°14	6°40	19°20	13°11	8°45	3°58	28°57	10°30	7°39	27°9	28°13	25°50	5°24	S 13
S 14	23 27 41	20°7'35	11♌42	8°29	18°43	13°49	8°57	4°5	28°54	10°32	7°39	27°6	28°9	25°57	5°22	S 14
M15	23 31 37	21°6'02	26°5	10°19	18°6	14°26	9°8	4°13	28°52	10°34	7°40	27°D 5	28°6	26°4	5°19	M15
T 16	23 35 34	22°4'31	10♍19	12°10	17°30	15°4	9°20	4°20	28°50	10°35	7°41	27°5	28°3	26°10	5°17	T 16
W17	23 39 31	23°3'02	24°24	14°3	16°54	15°42	9°31	4°28	28°48	10°37	7°41	27°R 5	28°0	26°17	5°14	W17
T 18	23 43 27	24°1'35	8♌17	15°55	16°19	16°19	9°42	4°35	28°46	10°39	7°42	27°4	27°57	26°24	5°11	T 18
F 19	23 47 24	25°0'10	22°1	17°47	15°45	16°57	9°54	4°42	28°44	10°41	7°42	27°1	27°54	26°30	5°9	F 19
S 20	23 51 20	25°58'48	5♌33	19°40	15°12	17°34	10°5	4°50	28°42	10°42	7°43	26°56	27°50	26°37	5°6	S 20
S 21	23 55 17	26°57'28	18°54	21°32	14°41	18°12	10°16	4°57	28°40	10°44	7°43	26°48	27°47	26°44	5°3	S 21
M22	23 59 13	27°56'10	2♍3	23°24	14°12	18°49	10°27	5°4	28°38	10°46	7°43	26°39	27°44	26°50	5°1	M22
T 23	0 3 10	28°54'54	14°59	25°15	13°45	19°26	10°37	5°11	28°36	10°47	7°44	26°28	27°41	26°57	4°58	T 23
W24	0 7 6	29°53'40	27°41	27°5	13°19	20°4	10°48	5°18	28°34	10°49	7°44	26°18	27°38	27°3	4°55	W24
T 25	0 11 3	0♌52'28	10♌11	28°55	12°55	20°41	10°59	5°26	28°32	10°51	7°44	26°9	27°34	27°10	4°53	T 25
F 26	0 15 0	1°51'17	22°26	0♌44	12°34	21°18	11°9	5°33	28°30	10°52	7°45	26°2	27°31	27°17	4°50	F 26
S 27	0 18 56	2°50'09	4♍31	2°32	12°15	21°55	11°20	5°40	28°28	10°54	7°45	25°57	27°28	27°23	4°47	S 27
S 28	0 22 53	3°49'03	16°25	4°20	11°58	22°32	11°30	5°47	28°26	10°55	7°45	25°54	27°25	27°30	4°44	S 28
M29	0 26 49	4°47'59	28°14	6°6	11°44	23°9	11°41	5°54	28°24	10°57	7°46	25°D54	27°22	27°37	4°42	M29
T 30	0 30 46	5♌46'56	10♌0	7♌52	11♍32	23♌46	11♌51	6♍1	28°R23	10♌58	7♌46	25♍55	27♍19	27♍43	4°Y39	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	8n45	18s30	0s43	14n40	0s21	5s24	7s46	19n54	1n 3	19n 5	0n24	11n55	1n25	12s26	0s47	17n40	0s 3	19n21	3s53	19s48	19s55	19s17	5n 4	2n58			
T 2	8 24	20 15	0n19	14 37	0 6	5 23	7 55	19 45	1 4	19 2	0 24	11 52	1 25	12 26	0 47	17 40	0 3	19 21	3 53	19 48	19 54	19 18	5 3	2 58			
W 3	8 2	21 7	1 21	14 31	0n 9	5 21	8 3	19 36	1 4	18 59	0 25	11 50	1 25	12 27	0 47	17 39	0 3	19 21	3 53	19 48	19 53	19 19	5 3	2 58			
T 4	7 40	21 3	2 20	14 22	0 23	5 17	8 11	19 27	1 5	18 56	0 25	11 47	1 25	12 28	0 47	17 39	0 3	19 21	3 53	19 48	19 52	19 19	5 2	2 58			
F 5	7 18	19 59	3 14	14 9	0 36	5 12	8 18	19 17	1 5	18 53	0 25	11 44	1 25	12 29	0 47	17 38	0 3	19 21	3 53	19 47	19 52	19 20	5 1	2 58			
S 6	6 56	17 56	4 0	13 53	0 47	5 6	8 24	19 8	1 6	18 50	0 25	11 42	1 25	12 30	0 47	17 37	0 3	19 21	3 53	19 46	19 51	19 21	5 0	2 58			
S 7	6 33	14 58	4 35	13 33	0 58	4 58	8 29	18 58	1 6	18 47	0 25	11 39	1 25	12 30	0 47	17 37	0 3	19 21	3 53	19 44	19 50	19 22	4 59	2 58			
M 8	6 11	11 10	4 56	13 11	1 8	4 50	8 34	18 48	1 7	18 44	0 25	11 37	1 25	12 31	0 47	17 36	0 3	19 21	3 53	19 42	19 50	19 22	4 58	2 58			
T 9	5 49	6 43	5 2	12 46	1 17	4 40	8 37	18 39	1 7	18 41	0 25	11 34	1 25	12 32	0 47	17 36	0 3	19 21	3 53	19 40	19 49	19 23	4 57	2 58			
W10	5 26	1 48	4 50	12 17	1 24	4 28	8 40	18 29	1 8	18 38	0 26	11 31	1 25	12 33	0 47	17 35	0 3	19 21	3 54	19 37	19 48	19 24	4 56	2 58			
T 11	5 3	3n18	4 20	11 47	1 31	4 16	8 42	18 19	1 8	18 36	0 26	11 29	1 26	12 34	0 47	17 35	0 3	19 21	3 54	19 35	19 48	19 24	4 55	2 58			
F 12	4 41	8 18	3 33	11 13	1 36	4 3	8 43	18 8	1 8	18 33	0 26	11 26	1 26	12 34	0 47	17 34	0 3	19 21	3 54	19 33	19 47	19 25	4 54	2 58			
S 13	4 18	12 51	2 32	10 38	1 41	3 48	8 43	17 58	1 9	18 30	0 26	11 23	1 26	12 35	0 47	17 34	0 3	19 20	3 54	19 32	19 46	19 26	4 53	2 58			
S 14	3 55	16 38	1 21	10 0	1 44	3 33	8 42	17 48	1 9	18 27	0 26	11 21	1 26	12 36	0 47	17 33	0 3	19 20	3 54	19 31	19 45	19 27	4 52	2 58			
M15	3 32	19 22	0 5	9 21	1 47	3 17	8 40	17 37	1 10	18 24	0 26	11 18	1 26	12 37	0 47	17 33	0 3	19 20	3 54	19 31	19 45	19 27	4 51	2 58			
T 16	3 9	20 51	1s10	8 40	1 48	3 0	8 38	17 27	1 10	18 21	0 26	11 16	1 26	12 37	0 47	17 33	0 3	19 20	3 54	19 31	19 44	19 28	4 49	2 58			
W17	2 46	21 0	2 20	7 58	1 49	2 43	8 34	17 16	1 11	18 18	0 26	11 13	1 26	12 38	0 47	17 32	0 3	19 20	3 54	19 31	19 43	19 29	4 48	2 58			
T 18	2 22	19 50	3 21	7 14	1 49	2 26	8 29	17 5	1 11	18 15	0 27	11 10	1 26	12 39	0 47	17 32	0 3	19 20	3 54	19 31	19 43	19 29	4 47	2 58			
F 19	1 59	17 32	4 10	6 30	1 49	2 8	8 24	16 54	1 12	18 12	0 27	11 8	1 26	12 39	0 47	17 31	0 3	19 20	3 54	19 30	19 42	19 30	4 46	2 58			
S 20	1 36	14 18	4 44	5 45	1 48	1 49	8 18	16 43	1 12	18 10	0 27	11 5	1 27	12 40	0 47	17 31	0 3	19 20	3 54	19 29	19 41	19 31	4 45	2 58			
S 21	1 13	10 23	5 2	4 59	1 46	1 31	8 11	16 32	1 13	18 7	0 27	11 3	1 27	12 41	0 47	17 30	0 3	19 20	3 54	19 27	19 40	19 31	4 44	2 58			
M22	0 49	6 2	5 3	4 12	1 43	1 13	8 3	16 21	1 13	18 4	0 27	11 0	1 27	12 42	0 47	17 30	0 3	19 20	3 54	19 25	19 40	19 32	4 43	2 58			
T 23	0 26	1 28	4 49	3 26	1 41	0 55	7 54	16 10	1 13	18 1	0 27	10 58	1 27	12 42	0 47	17 29	0 3	19 20	3 54	19 22	19 39	19 33	4 42	2 58			
W24	0 3	3s 4	4 21	2 39	1 37	0 36	7 45	15 58	1 14	17 58	0 27	10 55	1 27	12 43	0 47	17 29	0 3	19 20	3 54	19 20	19 38	19 34	4 41	2 58			
T 25	0s21	7 24	3 40	1 51	1 33	0 19	7 36	15 47	1 14	17 55	0 28	10 53	1 27	12 44	0 47	17 29	0 3	19 20	3 54	19 18	19 38	19 34	4 40	2 58			
F 26	0 44	11 22	2 50	1 4	1 29	0 1	7 26	15 35	1 15	17 53	0 28	10 50	1 27	12 44	0 47	17 28	0 3	19 20	3 54	19 16	19 37	19 35	4 38	2 58			
S 27	1 8	14 48	1 53	0 17	1 25	0n16	7 15	15 24	1 15	17 50	0 28	10 48	1 27	12 45	0 47	17 28	0 3	19 20	3 54	19 15	19 36	19 35	4 37	2 58			
S 28	1 31	17 34	0 51	0s30	1 20	0 32	7 4	15 12	1 16	17 47	0 28	10 45	1 28	12 45	0 47	17 27	0 3	19 20	3 54	19 14	19 35	19 36	4 36	2 58			
M29	1 54	19 34	0n13	1 17	1 14	0 48	6 53	15 0	1 16	17 45	0 28	10 43	1 28	12 46	0 47	17 27	0 3	19 19	3 54	19 14	19 35	19 37	4 35	2 58			
T 30	2s18	20s43	1n16	2s 4	1n 9	1n 3	6s41	14n48	1n17	17n42	0n28	10n40	1n28	12s47	0s47	17n27	0s 3	19n19	3s54	19s15	19s34	19s37	4n34	2n58			

ASTRODIENST EPHEMERIS for the year 1919
geocentric

OCTOBER 1919

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 34 42	6♂45'55	21♂49	9♂37	11°R22	24♂23	12♂1	6♂8	28°R21	10♂59	7♂46	25♂56	27♂15	27♂50	4°R36	W 1
T 2	0 38 39	7°44'56	3♂46	11°21	11♂15	25° 0	12°11	6°15	28°19	11° 1	7°46	25°R57	27°12	27°57	4°Y34	T 2
F 3	0 42 35	8°43'59	15°56	13° 4	11°10	25°37	12°21	6°22	28°18	11° 2	7°46	25°57	27° 9	28° 3	4°31	F 3
S 4	0 46 32	9°43'04	28°23	14°46	11°D 8	26°14	12°31	6°28	28°16	11° 4	7°46	25°55	27° 6	28°10	4°28	S 4
S 5	0 50 28	10°42'10	11°14	16°28	11° 8	26°51	12°41	6°35	28°14	11° 5	7°47	25°51	27° 3	28°17	4°25	S 5
M 6	0 54 25	11°41'18	24°30	18° 8	11°10	27°28	12°50	6°42	28°13	11° 6	7°47	25°46	27° 0	28°23	4°23	M 6
T 7	0 58 22	12°40'28	8♂12	19°48	11°15	28° 4	13° 0	6°48	28°11	11° 8	7°47	25°39	26°56	28°30	4°20	T 7
W 8	1 2 18	13°39'39	22°21	21°27	11°22	28°41	13° 9	6°55	28°10	11° 9	7°47	25°32	26°53	28°36	4°17	W 8
T 9	1 6 15	14°38'53	6°Y51	23° 5	11°31	29°18	13°18	7° 2	28° 9	11°10	7°R47	25°26	26°50	28°43	4°15	T 9
F 10	1 10 11	15°38'08	21°36	24°43	11°42	29°54	13°28	7° 8	28° 7	11°11	7°47	25°21	26°47	28°50	4°12	F 10
S 11	1 14 8	16°37'26	6♂30	26°19	11°56	0♂31	13°37	7°15	28° 6	11°12	7°47	25°18	26°44	28°56	4° 9	S 11
S 12	1 18 4	17°36'46	21°23	27°55	12°12	1° 7	13°46	7°21	28° 4	11°13	7°47	25°D16	26°40	29° 3	4° 7	S 12
M13	1 22 1	18°36'08	6♂8	29°31	12°29	1°44	13°54	7°28	28° 3	11°15	7°47	25°17	26°37	29°10	4° 4	M13
T 14	1 25 57	19°35'33	20°40	1♂5	12°49	2°20	14° 3	7°34	28° 2	11°16	7°47	25°18	26°34	29°16	4° 2	T 14
W15	1 29 54	20°35'00	4♂56	2°39	13°10	2°56	14°12	7°40	28° 1	11°17	7°46	25°19	26°31	29°23	3°59	W15
T 16	1 33 51	21°34'29	18°53	4°12	13°34	3°32	14°20	7°46	28° 0	11°18	7°46	25°R20	26°28	29°30	3°56	T 16
F 17	1 37 47	22°34'00	2♂31	5°45	13°59	4° 9	14°29	7°53	27°59	11°19	7°46	25°20	26°25	29°36	3°54	F 17
S 18	1 41 44	23°33'34	15°52	7°17	14°26	4°45	14°37	7°59	27°58	11°20	7°46	25°18	26°21	29°43	3°51	S 18
S 19	1 45 40	24°33'10	28°56	8°48	14°54	5°21	14°45	8° 5	27°57	11°20	7°46	25°15	26°18	29°50	3°49	S 19
M20	1 49 37	25°32'48	11♂46	10°19	15°24	5°57	14°53	8°11	27°56	11°21	7°45	25°10	26°15	29°56	3°46	M20
T 21	1 53 33	26°32'29	24°22	11°49	15°56	6°33	15° 1	8°17	27°55	11°22	7°45	25° 5	26°12	0° 3	3°44	T 21
W22	1 57 30	27°32'11	6♂46	13°18	16°29	7° 9	15° 8	8°23	27°54	11°23	7°45	25° 0	26° 9	0° 9	3°42	W22
T 23	2 1 26	28°31'56	19° 0	14°47	17° 3	7°45	15°16	8°28	27°53	11°24	7°45	24°56	26° 6	0°16	3°39	T 23
F 24	2 5 23	29°31'42	1♂4	16°15	17°39	8°21	15°23	8°34	27°52	11°25	7°44	24°53	26° 2	0°23	3°37	F 24
S 25	2 9 20	0♂31'31	13° 0	17°43	18°16	8°57	15°31	8°40	27°52	11°25	7°44	24°51	25°59	0°29	3°34	S 25
S 26	2 13 16	1°31'22	24°50	19° 9	18°55	9°32	15°38	8°45	27°51	11°26	7°44	24°D50	25°56	0°36	3°32	S 26
M27	2 17 13	2°31'14	6♂37	20°36	19°34	10° 8	15°45	8°51	27°50	11°27	7°43	24°51	25°53	0°43	3°30	M27
T 28	2 21 9	3°31'09	18°23	22° 1	20°15	10°44	15°52	8°56	27°50	11°27	7°43	24°52	25°50	0°49	3°27	T 28
W29	2 25 6	4°31'05	0♂31	23°26	20°57	11°19	15°58	9° 2	27°49	11°28	7°42	24°54	25°46	0°56	3°25	W29
T 30	2 29 2	5°31'03	12° 9	24°50	21°40	11°55	16° 5	9° 7	27°49	11°28	7°42	24°56	25°43	1° 3	3°23	T 30
F 31	2 32 59	6♂31'02	24♂17	26♂13	22♂24	12♂30	16♂11	9♂12	27°48	11♂29	7♂41	24♂57	25♂40	1♂9	3°Y21	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	2s41	20s56	2n16	2s50	1n 3	1n18	6s29	14n36	1n17	17n39	0n29	10n38	1n28	12s47	0s47	17n26
T 2	3 5	20 13	3 10	3 37	0 57	1 32	6 17	14 24	1 17	17 36	0 29	10 35	1 28	12 48	0 47	17 26
F 3	3 28	18 34	3 58	4 22	0 51	1 45	6 5	14 12	1 18	17 34	0 29	10 33	1 28	12 48	0 47	17 25
S 4	3 51	16 0	4 35	5 8	0 45	1 57	5 52	14 0	1 18	17 31	0 29	10 31	1 28	12 49	0 47	17 25
S 5	4 14	12 36	5 0	5 53	0 39	2 9	5 40	13 48	1 19	17 29	0 29	10 28	1 29	12 49	0 47	17 25
M 6	4 37	8 30	5 10	6 37	0 32	2 20	5 28	13 36	1 19	17 26	0 29	10 26	1 29	12 50	0 47	17 24
T 7	5 1	3 49	5 2	7 21	0 26	2 29	5 15	13 24	1 20	17 24	0 29	10 23	1 29	12 50	0 47	17 24
W 8	5 24	1n12	4 37	8 5	0 19	2 38	5 2	13 11	1 20	17 21	0 30	10 21	1 29	12 51	0 47	17 24
T 9	5 47	6 17	3 53	8 48	0 12	2 47	4 50	12 59	1 21	17 19	0 30	10 19	1 29	12 51	0 47	17 23
F 10	6 9	11 6	2 53	9 30	0 5	2 54	4 38	12 46	1 21	17 16	0 30	10 17	1 29	12 52	0 47	17 23
S 11	6 32	15 16	1 41	10 11	0s 2	3 0	4 25	12 34	1 21	17 14	0 30	10 14	1 29	12 52	0 47	17 23
S 12	6 55	18 27	0 21	10 53	0 9	3 5	4 13	12 21	1 22	17 11	0 30	10 12	1 30	12 53	0 47	17 22
M13	7 18	20 22	0s59	11 33	0 16	3 10	4 1	12 9	1 22	17 9	0 31	10 10	1 30	12 53	0 47	17 22
T 14	7 40	20 53	2 14	12 13	0 23	3 14	3 49	11 56	1 23	17 6	0 31	10 8	1 30	12 53	0 47	17 22
W15	8 3	20 2	3 20	12 52	0 30	3 17	3 37	11 43	1 23	17 4	0 31	10 5	1 30	12 54	0 47	17 22
T 16	8 25	17 57	4 12	13 30	0 36	3 18	3 25	11 31	1 24	17 2	0 31	10 3	1 30	12 54	0 47	17 21
F 17	8 47	14 55	4 49	14 7	0 43	3 20	3 14	11 18	1 24	17 0	0 31	10 1	1 30	12 54	0 46	17 21
S 18	9 9	11 10	5 9	14 44	0 50	3 20	3 2	11 5	1 24	16 57	0 31	9 59	1 31	12 55	0 46	17 21
S 19	9 31	6 58	5 12	15 20	0 57	3 19	2 51	10 52	1 25	16 55	0 32	9 57	1 31	12 55	0 46	17 21
M20	9 53	2 31	5 0	15 55	1 4	3 18	2 40	10 39	1 25	16 53	0 32	9 55	1 31	12 55	0 46	17 20
T 21	10 15	1s57	4 33	16 30	1 10	3 16	2 29	10 26	1 26	16 51	0 32	9 53	1 31	12 56	0 46	17 20
W22	10 36	6 16	3 54	17 3	1 17	3 13	2 18	10 13	1 26	16 49	0 32	9 51	1 31	12 56	0 46	17 20
T 23	10 57	10 17	3 5	17 36	1 23	3 9	2 8	10 0	1 27	16 47	0 32	9 49	1 32	12 56	0 46	17 20
F 24	11 19	13 50	2 7	18 8	1 29	3 5	1 58	9 47	1 27	16 45	0 32	9 47	1 32	12 56	0 46	17 19
S 25	11 40	16 47	1 5	18 39	1 36	2 59	1 47	9 34	1 27	16 43	0 33	9 45	1 32	12 57	0 46	17 19
S 26	12 0	18 59	0 0	19 9	1 41	2 53	1 38	9 21	1 28	16 41	0 33	9 43	1 32	12 57	0 46	17 19
M27	12 21	20 22	1n 5	19 38	1 47	2 47	1 28	9 8	1 28	16 39	0 33	9 41	1 32	12 57	0 46	17 19
T 28	12 42	20 50	2 7	20 6	1 53	2 40	1 18	8 55	1 29	16 37	0 33	9 39	1 32	12 57	0 46	17 19
W29	13 2	20 23	3 3	20 33	1 58	2 32	1 9	8 42	1 29	16 35	0 33	9 37	1 33	12 57	0 46	17 19
T 30	13 22	19 2	3 53	20 59	2 4	2 23	1 0	8 29	1 30	16 33	0 34	9 35	1 33	12 58	0 46	17 18
F 31	13s42	16s47	4n33	21s24	2s 9	2n14	0s51	8n15	1n30	16n32	0n34	9n34	1n33	12s58	0s46	17n18

Julian Day Number = 2422232.5, Delta T = 21.46 sec
Ecliptic obliquity = 23°26'55, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°37'10, Lahiri = 22°44'10

ASTRODIENST EPHEMERIS for the year 1919

geocentric

NOVEMBER 1919

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 36 55	7♂31'03	6♂41	27♂35	23♂ 9	13♂ 6	16♂18	9♂18	27°R48	11♂29	7°R41	24°R57	25♂37	1♂16	3°R19	S 1
S 2	2 40 52	8°31'06	19°27	28°56	23°55	13°41	16°24	9°23	27°47	11°30	7°40	24°57	25°34	1°23	3°17	S 2
M 3	2 44 49	9°31'10	2♂36	0♂16	24°42	14°16	16°30	9°28	27°47	11°30	7°40	24°56	25°31	1°29	3°15	M 3
T 4	2 48 45	10°31'16	16°13	1°35	25°30	14°52	16°36	9°33	27°47	11°31	7°39	24°54	25°27	1°36	3°12	T 4
W 5	2 52 42	11°31'23	0°18	2°53	26°19	15°27	16°41	9°37	27°47	11°31	7°39	24°52	25°24	1°42	3°10	W 5
T 6	2 56 38	12°31'32	14°49	4°10	27° 9	16° 2	16°47	9°42	27°47	11°31	7°38	24°51	25°21	1°49	3° 9	T 6
F 7	3 0 35	13°31'43	29°41	5°25	27°59	16°37	16°52	9°47	27°47	11°32	7°37	24°49	25°18	1°56	3° 7	F 7
S 8	3 4 31	14°31'55	14♂47	6°38	28°50	17°12	16°57	9°52	27°D47	11°32	7°37	24°49	25°15	2° 2	3° 5	S 8
S 9	3 8 28	15°32'09	29°58	7°50	29°42	17°47	17° 2	9°56	27°47	11°32	7°36	24°D49	25°11	2° 9	3° 3	S 9
M10	3 12 24	16°32'25	15♂ 5	8°59	0♂35	18°22	17° 7	10° 1	27°47	11°32	7°35	24°49	25° 8	2°16	3° 1	M10
T 11	3 16 21	17°32'43	29°58	10° 6	1°28	18°56	17°12	10° 5	27°47	11°32	7°35	24°50	25° 5	2°22	2°59	T 11
W12	3 20 18	18°33'03	14♂32	11°11	2°23	19°31	17°16	10° 9	27°47	11°33	7°34	24°50	25° 2	2°29	2°58	W12
T 13	3 24 14	19°33'25	28°42	12°13	3°17	20° 6	17°20	10°13	27°47	11°33	7°33	24°51	24°59	2°36	2°56	T 13
F 14	3 28 11	20°33'48	12♂28	13°11	4°13	20°40	17°25	10°18	27°47	11°33	7°32	24°51	24°56	2°42	2°54	F 14
S 15	3 32 7	21°34'14	25°49	14° 6	5° 9	21°15	17°28	10°22	27°48	11°R33	7°32	24°R51	24°52	2°49	2°53	S 15
S 16	3 36 4	22°34'41	8♂47	14°56	6° 5	21°49	17°32	10°26	27°48	11°33	7°31	24°51	24°49	2°56	2°51	S 16
M17	3 40 0	23°35'11	21°27	15°42	7° 3	22°24	17°36	10°29	27°49	11°33	7°30	24°51	24°46	3° 2	2°50	M17
T 18	3 43 57	24°35'42	3♂50	16°23	8° 0	22°58	17°39	10°33	27°49	11°33	7°29	24°D51	24°43	3° 9	2°48	T 18
W19	3 47 53	25°36'15	16° 0	16°57	8°59	23°32	17°42	10°37	27°50	11°32	7°28	24°51	24°40	3°16	2°47	W19
T 20	3 51 50	26°36'49	28° 1	17°25	9°57	24° 6	17°46	10°40	27°50	11°32	7°27	24°51	24°37	3°22	2°46	T 20
F 21	3 55 47	27°37'26	9♂55	17°46	10°57	24°40	17°48	10°44	27°51	11°32	7°27	24°51	24°33	3°29	2°44	F 21
S 22	3 59 43	28°38'04	21°45	17°58	11°56	25°14	17°51	10°47	27°52	11°32	7°26	24°R51	24°30	3°35	2°43	S 22
S 23	4 3 40	29°38'43	3♂32	18°R 2	12°57	25°48	17°54	10°51	27°52	11°32	7°25	24°51	24°27	3°42	2°42	S 23
M24	4 7 36	0♂39'24	15°20	17°56	13°57	26°22	17°56	10°54	27°53	11°31	7°24	24°51	24°24	3°49	2°41	M24
T 25	4 11 33	1°40'06	27° 9	17°40	14°58	26°56	17°58	10°57	27°54	11°31	7°23	24°50	24°21	3°55	2°40	T 25
W26	4 15 29	2°40'49	9♂ 3	17°13	16° 0	27°29	18° 0	11° 0	27°55	11°31	7°22	24°49	24°17	4° 2	2°38	W26
T 27	4 19 26	3°41'34	21° 4	16°35	17° 1	28° 3	18° 2	11° 3	27°56	11°30	7°21	24°48	24°14	4° 9	2°37	T 27
F 28	4 23 22	4°42'20	3♂16	15°46	18° 4	28°36	18° 3	11° 6	27°57	11°30	7°20	24°47	24°11	4°15	2°37	F 28
S 29	4 27 19	5°43'06	15°40	14°47	19° 6	29°10	18° 5	11° 8	27°58	11°29	7°19	24°45	24° 8	4°22	2°36	S 29
S 30	4 31 16	6♂43'54	28♂22	13♂40	20♂ 9	29♂43	18♂ 6	11♂11	27♂59	11♂29	7♂18	24♂45	24♂ 5	4♂29	2♂35	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	14s 1	13s45	5n 1	21s48	2s13	2n 4	0s43	8n 2	1n31	16n30	0n34	9n32	1n33	12s58	0s46	17n18	0s 2	19n19	3s55	19s 1	19s10	19s55	3n58	2n54	
S 2	14 21	10 0	5 16	22 10	2 18	1 53	0 34	7 49	1 31	16 28	0 34	9 30	1 33	12 58	0 46	17 18	0 2	19 19	3 55	19 1	19 10	19 56	3 57	2 54	
M 3	14 40	5 40	5 14	22 32	2 22	1 42	0 26	7 36	1 31	16 27	0 34	9 28	1 34	12 58	0 46	17 18	0 2	19 19	3 55	19 0	19 9	19 56	3 57	2 53	
T 4	14 59	0 54	4 55	22 52	2 26	1 31	0 18	7 23	1 32	16 25	0 35	9 27	1 34	12 58	0 46	17 18	0 2	19 19	3 55	19 0	19 8	19 57	3 56	2 53	
W 5	15 18	4n 4	4 19	23 11	2 30	1 19	0 10	7 9	1 32	16 24	0 35	9 25	1 34	12 58	0 46	17 18	0 2	19 19	3 55	19 0	19 7	19 57	3 55	2 53	
T 6	15 36	8 59	3 24	23 29	2 33	1 6	0 2	6 56	1 33	16 22	0 35	9 23	1 34	12 58	0 46	17 18	0 2	19 19	3 55	18 59	19 6	19 58	3 54	2 53	
F 7	15 54	13 28	2 15	23 46	2 36	0 53	0n 5	6 43	1 33	16 21	0 35	9 22	1 35	12 58	0 46	17 18	0 2	19 19	3 55	18 59	19 6	19 58	3 53	2 53	
S 8	16 12	17 10	0 55	24 1	2 38	0 39	0 12	6 30	1 33	16 19	0 35	9 20	1 35	12 58	0 46	17 18	0 2	19 19	3 55	18 59	19 5	19 59	3 52	2 53	
S 9	16 30	19 41	0s29	24 15	2 40	0 25	0 19	6 16	1 34	16 18	0 36	9 19	1 35	12 58	0 46	17 18	0 2	19 19	3 55	18 59	19 4	19 59	3 51	2 52	
M10	16 47	20 47	1 50	24 27	2 41	0 10	0 26	6 3	1 34	16 17	0 36	9 17	1 35	12 58	0 46	17 17	0 2	19 19	3 55	18 59	19 3	20 0	3 50	2 52	
T 11	17 4	20 23	3 3	24 38	2 42	0s 5	0 33	5 50	1 35	16 16	0 36	9 16	1 35	12 58	0 46	17 17	0 2	19 19	3 56	18 59	19 3	20 0	3 49	2 52	
W12	17 21	18 38	4 3	24 48	2 42	0 21	0 39	5 37	1 35	16 14	0 36	9 14	1 36	12 58	0 46	17 17	0 2	19 19	3 56	18 59	19 2	20 1	3 48	2 52	
T 13	17 38	15 46	4 46	24 56	2 42	0 37	0 46	5 23	1 36	16 13	0 37	9 13	1 36	12 58	0 46	17 17	0 2	19 19	3 56	18 59	19 1	20 1	3 48	2 52	
F 14	17 54	12 6	5 11	25 2	2 40	0 53	0 52	5 10	1 36	16 12	0 37	9 12	1 36	12 57	0 45	17 17	0 2	19 19	3 56	18 59	19 0	20 1	3 47	2 52	
S 15	18 10	7 56	5 18	25 7	2 38	1 10	0 58	4 57	1 36	16 11	0 37	9 10	1 36	12 57	0 45	17 17	0 2	19 19	3 56	18 59	19 0	20 2	3 46	2 51	
S 16	18 25	3 30	5 9	25 10	2 36	1 27	1 3	4 44	1 37	16 10	0 37	9 9	1 37	12 57	0 45	17 17	0 2	19 19	3 56	18 59	18 59	20 2	3 45	2 51	
M17	18 41	0s58	4 45	25 12	2 32	1 45	1 9	4 31	1 37	16 9	0 37	9 8	1 37	12 57	0 45	17 17	0 2	19 19	3 56	18 59	18 58	20 3	3 44	2 51	
T 18	18 56	5 19	4 8	25 11	2 27	2 2	1 14	4 17	1 38	16 9	0 38	9 7	1 37	12 57	0 45	17 17	0 2	19 19	3 56	18 59	18 57	20 3	3 44	2 51	
W19	19 10	9 22	3 20	25 9	2 21	2 21	1 19	4 4	1 38	16 8	0 38	9 5	1 37	12 56	0 45	17 18	0 2	19 19	3 56	18 59	18 56	20 4	3 43	2 51	
T 20	19 24	13 1	2 24	25 5	2 14	2 39	1 24	3 51	1 39	16 7	0 38	9 4	1 37	12 56	0 45	17 18	0 2	19 19	3 56	18 59	18 56	20 4	3 42	2 50	
F 21	19 38	16 6	1 22	24 58	2 6	2 58	1 29	3 38	1 39	16 6	0 38	9 3	1 38	12 56	0 45	17 18	0 2	19 19	3 56	18 59	18 55	20 4	3 41	2 50	
S 22	19 52	18 29	0 17	24 50	1 56	3 17	1 34	3 25	1 39	16 6	0 38	9 2	1 38	12 56	0 45	17 18	0 2	19 19	3 56	18 59	18 54	20 5	3 41	2 50	
S 23	20 5	20 5	0n48	24 39	1 45	3 36	1 38	3 12	1 40	16 5	0 39	9 1	1 38	12 55	0 45	17 18	0 2	19 19	3 56	18 59	18 53	20 5	3 40	2 50	
M24	20 18	20 48	1 51	24 26	1 32	3 56	1 42	2 59	1 40	16 5	0 39	9 0	1 38	12 55	0 45	17 18	0 2	19 19	3 56	18 59	18 53	20 6	3 39	2 50	
T 25	20 30	20 35	2 50	24 10	1 18	4 16	1 46	2 46	1 41	16 4	0 39	8 59	1 39	12 55	0 45	17 18	0 2	19 19	3 56	18 59	18 52	20 6	3 39	2 49	
W26	20 42	19 27	3 42	23 52	1 2	4 36	1 50	2 33	1 41	16 4	0 39	8 58	1 39	12 54	0 45	17 18	0 2	19 19	3 56	18 59	18 51	20 6	3 38	2 49	
T 27	20 54	17 27	4 24	23 31	0 45	4 56	1 54	2 20	1 42	16 4	0 40	8 57	1 39	12 54	0 45	17 18	0 2	19 19	3 56	18 58	18 50	20 7	3 38	2 49	
F 28	21 5	14 39	4 55	23 8	0 27	5 16	1 58	2 7	1 42	16 3	0 40	8 56	1 39	12 54	0 45	17 18	0 2	19 19	3 56	18 58	18 49	20 7	3 37	2 49	
S 29	21 16	11 9	5 13	22 42	0 7	5 37	2 1	1 54	1 42	16 3	0 40	8 56	1 40	12 53	0 45	17 18	0 2	19 19	3 56	18 58	18 49	20 7	3 37	2 49	
S 30	21s26	7s 5	5n17	22s14	0n13	5s58	2n 4	1n41	1n43	16n 3	0n40	8n55	1n40	12s53	0s45	17n19	0s 2	19n20	3s56	18s58	18s48	20s 8	3n36	2n48	

ASTRODIENST EPHEMERIS for the year 1919

geocentric

DECEMBER 1919

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 35 12	7♂44'42	11♂24	12°R25	21♂13	0♂16	18♂7	11♂13	28♂0	11°R28	7°R17	24°D45	24♂2	4♂35	2°R34	M 1
T 2	4 39 9	8°45'32	24°50	11♂5	22°16	0°49	18°7	11°16	28°1	11°R28	7♂16	24♂45	23°58	4°42	2°Y33	T 2
W 3	4 43 5	9°46'22	8°Y41	9°42	23°20	1°22	18°8	11°18	28°2	11°27	7°15	24°46	23°55	4°49	2°33	W 3
T 4	4 47 2	10°47'13	22°59	8°20	24°25	1°55	18°8	11°20	28°4	11°27	7°14	24°47	23°52	4°55	2°32	T 4
F 5	4 50 58	11°48'05	7♂40	7°1	25°29	2°28	18°R 9	11°22	28°5	11°26	7°13	24°48	23°49	5°2	2°31	F 5
S 6	4 54 55	12°48'58	22°40	5°47	26°34	3°1	18°9	11°24	28°6	11°25	7°12	24°R49	23°46	5°9	2°31	S 6
S 7	4 58 51	13°49'52	7♂52	4°41	27°39	3°34	18°8	11°26	28°8	11°25	7°10	24°49	23°43	5°15	2°30	S 7
M 8	5 2 48	14°50'47	23°7	3°45	28°45	4°6	18°8	11°28	28°9	11°24	7°9	24°47	23°39	5°22	2°30	M 8
T 9	5 6 45	15°51'43	8♂13	2°59	29°50	4°38	18°7	11°29	28°11	11°23	7°8	24°45	23°36	5°28	2°30	T 9
W10	5 10 41	16°52'40	23°3	2°24	0♂56	5°11	18°6	11°31	28°12	11°22	7°7	24°42	23°33	5°35	2°29	W10
T 11	5 14 38	17°53'38	7♂29	2°1	2°3	5°43	18°5	11°32	28°14	11°21	7°6	24°39	23°30	5°42	2°29	T 11
F 12	5 18 34	18°54'37	21°27	1°49	3°9	6°15	18°4	11°34	28°16	11°21	7°5	24°36	23°27	5°48	2°29	F 12
S 13	5 22 31	19°55'37	4♂57	1°D47	4°16	6°47	18°3	11°35	28°17	11°20	7°4	24°34	23°23	5°55	2°29	S 13
S 14	5 26 27	20°56'38	17°59	1°55	5°23	7°19	18°1	11°36	28°19	11°19	7°2	24°D33	23°20	6°2	2°29	S 14
M15	5 30 24	21°57'41	0♂38	2°13	6°30	7°51	17°59	11°37	28°21	11°18	7°1	24°33	23°17	6°8	2°D29	M15
T 16	5 34 20	22°58'44	12°57	2°39	7°38	8°22	17°58	11°38	28°23	11°17	7°0	24°34	23°14	6°15	2°29	T 16
W17	5 38 17	23°59'48	25°1	3°12	8°45	8°54	17°55	11°39	28°25	11°16	6°59	24°36	23°11	6°22	2°29	W17
T 18	5 42 14	25°0'53	6♂55	3°52	9°53	9°25	17°53	11°39	28°27	11°15	6°58	24°38	23°8	6°28	2°29	T 18
F 19	5 46 10	26°1'59	18°44	4°38	11°1	9°57	17°50	11°40	28°29	11°14	6°57	24°R39	23°4	6°35	2°29	F 19
S 20	5 50 7	27°3'06	0♂30	5°29	12°10	10°28	17°48	11°40	28°31	11°13	6°55	24°39	23°1	6°42	2°29	S 20
S 21	5 54 3	28°4'13	12°17	6°24	13°18	10°59	17°45	11°41	28°33	11°11	6°54	24°37	22°58	6°48	2°30	S 21
M22	5 58 0	29°5'21	24°8	7°24	14°27	11°30	17°42	11°41	28°35	11°10	6°53	24°34	22°55	6°55	2°30	M22
T 23	6 1 56	0♂30	6°30	8°28	15°36	12°0	17°38	11°R41	28°37	11°9	6°52	24°29	22°52	7°2	2°30	T 23
W24	6 5 53	1°7'39	18°8	9°34	16°45	12°31	17°35	11°41	28°39	11°8	6°51	24°22	22°49	7°8	2°31	W24
T 25	6 9 49	2°8'48	0♂21	10°43	17°54	13°1	17°31	11°41	28°41	11°7	6°49	24°15	22°45	7°15	2°31	T 25
F 26	6 13 46	3°9'57	12°43	11°55	19°3	13°32	17°27	11°40	28°44	11°6	6°48	24°8	22°42	7°22	2°32	F 26
S 27	6 17 43	4°11'07	25°17	13°9	20°12	14°2	17°23	11°40	28°46	11°4	6°47	24°1	22°39	7°28	2°33	S 27
S 28	6 21 39	5°12'16	8♂3	14°25	21°22	14°32	17°19	11°40	28°48	11°3	6°46	23°56	22°36	7°35	2°33	S 28
M29	6 25 36	6°13'26	21°6	15°42	22°32	15°2	17°14	11°39	28°51	11°2	6°44	23°53	22°33	7°41	2°34	M29
T 30	6 29 32	7°14'35	4♂25	17°1	23°41	15°32	17°10	11°38	28°53	11°0	6°43	23°D52	22°29	7°48	2°35	T 30
W31	6 33 29	8♂15'44	18°Y 5	18♂21	24♂51	16♂1	17♂5	11♂38	28♂56	10♂59	6♂42	23♂52	22♂26	7♂55	2°Y36	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	decl lat
M 1	21s37	2s36	5n 4	21s44	0n33	6s18	2n 7	1n28	1n43	16n 3	0n41	8n54	1n40	12s52	0s45	17n19
T 2	21 46	2n 9	4 35	21 14	0 54	6 39	2 10	1 15	1 44	16 3	0 41	8 53	1 40	12 52	0 45	17 19
W 3	21 55	6 57	3 49	20 42	1 13	7 0	2 13	1 3	1 44	16 3	0 41	8 53	1 41	12 52	0 45	17 19
T 4	22 4	11 32	2 48	20 11	1 32	7 22	2 16	0 50	1 45	16 3	0 41	8 52	1 41	12 51	0 45	17 19
F 5	22 13	15 33	1 34	19 42	1 49	7 43	2 18	0 37	1 45	16 3	0 41	8 52	1 41	12 51	0 45	17 19
S 6	22 21	18 38	0 12	19 15	2 4	8 4	2 20	0 25	1 45	16 4	0 42	8 51	1 41	12 50	0 45	17 20
S 7	22 28	20 27	1s12	18 50	2 17	8 25	2 23	0 12	1 46	16 4	0 42	8 51	1 42	12 50	0 45	17 20
M 8	22 35	20 46	2 30	18 30	2 27	8 47	2 25	0s 0	1 46	16 4	0 42	8 50	1 42	12 49	0 45	17 20
T 9	22 42	19 35	3 37	18 13	2 36	9 8	2 26	0 13	1 47	16 5	0 42	8 50	1 42	12 48	0 45	17 20
W10	22 48	17 4	4 29	18 0	2 42	9 29	2 28	0 25	1 47	16 5	0 43	8 50	1 42	12 48	0 45	17 21
T 11	22 54	13 33	5 1	17 52	2 46	9 51	2 30	0 38	1 48	16 6	0 43	8 49	1 43	12 47	0 45	17 21
F 12	22 59	9 23	5 15	17 47	2 48	10 12	2 31	0 50	1 48	16 6	0 43	8 49	1 43	12 47	0 44	17 21
S 13	23 4	4 53	5 10	17 46	2 49	10 33	2 32	1 2	1 48	16 7	0 43	8 49	1 43	12 46	0 44	17 21
S 14	23 8	0 19	4 49	17 49	2 48	10 55	2 33	1 14	1 49	16 8	0 44	8 49	1 43	12 45	0 44	17 22
M15	23 12	4s 9	4 15	17 55	2 45	11 16	2 34	1 26	1 49	16 8	0 44	8 48	1 44	12 45	0 44	17 22
T 16	23 16	8 20	3 30	18 3	2 42	11 37	2 35	1 38	1 50	16 9	0 44	8 48	1 44	12 44	0 44	17 22
W17	23 19	12 6	2 36	18 14	2 37	11 58	2 36	1 50	1 50	16 10	0 44	8 48	1 44	12 43	0 44	17 22
T 18	23 21	15 20	1 36	18 26	2 32	12 19	2 36	2 2	1 51	16 11	0 44	8 48	1 44	12 43	0 44	17 23
F 19	23 23	17 55	0 32	18 40	2 26	12 39	2 37	2 14	1 51	16 12	0 45	8 48	1 45	12 42	0 44	17 23
S 20	23 25	19 44	0n32	18 56	2 20	13 0	2 37	2 26	1 51	16 13	0 45	8 48	1 45	12 41	0 44	17 23
S 21	23 26	20 42	1 35	19 12	2 13	13 20	2 37	2 38	1 52	16 14	0 45	8 49	1 45	12 40	0 44	17 24
M22	23 27	20 45	2 34	19 29	2 6	13 40	2 38	2 49	1 52	16 15	0 45	8 49	1 46	12 40	0 44	17 24
T 23	23 27	19 52	3 27	19 46	1 58	14 0	2 37	3 1	1 53	16 17	0 46	8 49	1 46	12 39	0 44	17 24
W24	23 27	18 4	4 11	20 4	1 51	14 20	2 37	3 13	1 53	16 18	0 46	8 49	1 46	12 38	0 44	17 25
T 25	23 26	15 28	4 44	20 22	1 43	14 39	2 37	3 24	1 54	16 19	0 46	8 49	1 46	12 37	0 44	17 25
F 26	23 25	12 8	5 4	20 40	1 35	14 59	2 37	3 35	1 54	16 21	0 46	8 50	1 47	12 37	0 44	17 25
S 27	23 23	8 14	5 10	20 57	1 26	15 18	2 36	3 47	1 54	16 22	0 46	8 50	1 47	12 36	0 44	17 26
S 28	23 21	3 54	5 1	21 15	1 18	15 37	2 35	3 58	1 55	16 24	0 47	8 51	1 47	12 35	0 44	17 26
M29	23 18	0n42	4 36	21 31	1 10	15 55	2 35	4 9	1 55	16 25	0 47	8 51	1 47	12 34	0 44	17 26
T 30	23 15	5 22	3 56	21 48	1 2	16 13	2 34	4 20	1 56	16 27	0 47	8 51	1 48	12 33	0 44	17 27
W31	23s11	9n54	3n 2	22s 3	0n53	16s31	2n33	4s31	1n56	16n28	0n47	8n52	1n48	12s32	0s44	17n27

Julian Day Number = 2422293.5, Delta T = 21.56 sec
 Ecliptic obliquity = 23°26'53, Nutation = 0°00'13, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°37'18, Lahiri = 22°44'19