



Astrodienst Ephemeris Tables for the year 2209

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 2209

geocentric

JANUARY 2209

00:00 UT

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

Day	☉	☾		♀		♀		♂		♂		♂	♂		♂		♂	♂	♂	♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s 2	4s57	2n15	21s 9	1n45	15s44	0n37	3n18	0s 2	22s26	0n31	22n 0	1s20	18n29	0n39	13n56	1s47	19n 5	12n52	16n 4	15n40	23n22
M 2	22 57	10 38	1 11	21 23	1 36	15 29	0 49	3 34	0 0	22 27	0 31	22 0	1 20	18 30	0 39	13 56	1 47	19 5	12 52	16 4	15 39	23 20
T 3	22 51	16 2	0 0	21 37	1 28	15 13	1 2	3 50	0n 1	22 28	0 31	22 0	1 19	18 30	0 39	13 55	1 47	19 6	12 53	16 4	15 38	23 19
W 4	22 46	20 50	1s12	21 50	1 19	14 58	1 15	4 6	0 3	22 29	0 31	22 0	1 19	18 31	0 39	13 55	1 47	19 7	12 53	16 4	15 37	23 17
T 5	22 39	24 35	2 23	22 3	1 11	14 43	1 29	4 22	0 4	22 31	0 31	22 0	1 19	18 32	0 39	13 55	1 47	19 7	12 53	16 3	15 36	23 15
F 6	22 33	26 49	3 27	22 15	1 2	14 28	1 42	4 38	0 5	22 32	0 30	22 0	1 19	18 32	0 39	13 55	1 47	19 8	12 54	16 1	15 35	23 14
S 7	22 26	27 10	4 17	22 27	0 54	14 14	1 56	4 53	0 7	22 33	0 30	22 0	1 19	18 33	0 39	13 55	1 47	19 9	12 54	15 59	15 34	23 12
S 8	22 18	25 28	4 50	22 37	0 45	14 0	2 10	5 9	0 8	22 34	0 30	22 0	1 19	18 33	0 39	13 55	1 47	19 9	12 55	15 56	15 33	23 10
M 9	22 10	21 56	5 3	22 47	0 37	13 47	2 25	5 25	0 9	22 34	0 30	22 0	1 18	18 34	0 39	13 55	1 47	19 10	12 55	15 53	15 32	23 9
T 10	22 2	16 58	4 54	22 56	0 28	13 34	2 40	5 41	0 11	22 35	0 30	22 0	1 18	18 35	0 39	13 55	1 47	19 11	12 55	15 50	15 31	23 7
W 11	21 53	11 5	4 25	23 4	0 20	13 22	2 55	5 57	0 12	22 36	0 30	22 0	1 18	18 35	0 39	13 55	1 46	19 11	12 56	15 48	15 30	23 5
T 12	21 43	4 46	3 41	23 11	0 12	13 10	3 10	6 13	0 13	22 37	0 30	22 0	1 18	18 36	0 39	13 55	1 46	19 12	12 56	15 46	15 29	23 3
F 13	21 34	1n36	2 44	23 17	0 4	12 59	3 25	6 28	0 14	22 38	0 30	22 0	1 18	18 37	0 39	13 55	1 46	19 13	12 57	15 45	15 28	23 2
S 14	21 23	7 42	1 40	23 22	0s 3	12 48	3 40	6 44	0 15	22 39	0 30	22 0	1 18	18 37	0 39	13 54	1 46	19 13	12 57	15 45	15 27	23 0
S 15	21 13	13 18	0 33	23 26	0 11	12 39	3 56	7 0	0 17	22 40	0 30	22 0	1 17	18 38	0 39	13 54	1 46	19 14	12 57	15 45	15 26	22 58
M 16	21 2	18 12	0n35	23 29	0 18	12 29	4 11	7 15	0 18	22 41	0 30	22 0	1 17	18 39	0 39	13 54	1 46	19 15	12 58	15 45	15 25	22 56
T 17	20 51	22 11	1 39	23 30	0 26	12 21	4 26	7 31	0 19	22 41	0 30	22 0	1 17	18 40	0 39	13 54	1 46	19 15	12 58	15 45	15 24	22 54
W 18	20 39	25 7	2 38	23 31	0 33	12 13	4 41	7 46	0 20	22 42	0 30	22 0	1 17	18 40	0 39	13 54	1 46	19 16	12 58	15 44	15 23	22 53
T 19	20 27	26 50	3 28	23 30	0 40	12 6	4 56	8 2	0 21	22 43	0 30	22 0	1 17	18 41	0 39	13 54	1 46	19 17	12 59	15 41	15 22	22 51
F 20	20 14	27 16	4 9	23 27	0 46	11 59	5 11	8 17	0 22	22 43	0 30	22 0	1 17	18 42	0 39	13 54	1 46	19 18	12 59	15 38	15 21	22 49
S 21	20 1	26 26	4 38	23 24	0 53	11 54	5 26	8 33	0 23	22 44	0 30	22 0	1 16	18 42	0 39	13 54	1 46	19 18	12 59	15 35	15 20	22 47
S 22	19 48	24 23	4 55	23 19	0 59	11 49	5 40	8 48	0 24	22 45	0 30	22 0	1 16	18 43	0 39	13 55	1 46	19 19	13 0	15 30	15 19	22 45
M 23	19 34	21 17	4 59	23 13	1 5	11 45	5 53	9 3	0 25	22 45	0 30	22 0	1 16	18 44	0 39	13 55	1 46	19 20	13 0	15 26	15 18	22 44
T 24	19 20	17 19	4 50	23 6	1 11	11 41	6 6	9 19	0 26	22 46	0 30	22 0	1 16	18 44	0 39	13 55	1 46	19 21	13 0	15 21	15 17	22 42
W 25	19 6	12 41	4 29	22 58	1 16	11 38	6 19	9 34	0 27	22 47	0 30	22 0	1 16	18 45	0 39	13 55	1 46	19 21	13 1	15 17	15 16	22 40
T 26	18 51	7 33	3 55	22 48	1 22	11 36	6 30	9 49	0 28	22 47	0 30	22 0	1 15	18 46	0 39	13 55	1 46	19 22	13 1	15 14	15 16	22 38
F 27	18 36	2 5	3 11	22 36	1 27	11 35	6 42	10 4	0 29	22 48	0 30	22 0	1 15	18 46	0 39	13 55	1 45	19 23	13 1	15 12	15 15	22 36
S 28	18 21	3s32	2 17	22 24	1 31	11 34	6 52	10 19	0 30	22 48	0 30	22 0	1 15	18 47	0 39	13 55	1 45	19 24	13 2	15 11	15 14	22 34
S 29	18 5	9 8	1 16	22 10	1 36	11 34	7 1	10 34	0 31	22 49	0 30	22 1	1 15	18 48	0 39	13 55	1 45	19 24	13 2	15 10	15 13	22 33
M 30	17 49	14 30	0 9	21 54	1 40	11 35	7 10	10 49	0 32	22 49	0 30	22 1	1 15	18 48	0 39	13 55	1 45	19 25	13 2	15 10	15 12	22 31
T 31	17s32	19s22	1s 0	21s38	1s44	11s36	7n18	11n 3	0n33	22s50	0n29	22n 1	1s14	18n49	0n39	13n55	1s45	19n26	13n 3	15n10	15n11	22n29

ASTRODIENST EPHEMERIS for the year 2209

geocentric

FEBRUARY 2209

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	8 43 36	11°41'59	6°12	2°30	5°R43	28°4	25°11	23°R23	8°R12	12°35	11°R 3	11°R10	11°8 9	10°48	25°43	W 1
T 2	8 47 32	12°42'57	20°15	4° 8	5° 8	28°42	25°23	23°II20	8° 9	12°35	11° 2	11° 7	11° 6	10°55	25°47	T 2
F 3	8 51 29	13°43'54	4°38	5°45	4°35	29°21	25°34	23°18	8° 7	12°35	11° 1	11° 0	11° 3	11° 2	25°51	F 3
S 4	8 55 25	14°44'50	19°46	7°24	4° 3	29°59	25°45	23°16	8° 4	12°36	10°59	10°51	11° 0	11° 8	25°56	S 4
S 5	8 59 22	15°45'46	5° 1	9° 3	3°33	0°38	25°56	23°14	8° 2	12°36	10°58	10°40	10°57	11°15	26° 0	S 5
M 6	9 3 19	16°46'40	20°23	10°43	3° 4	1°17	26° 7	23°12	7°59	12°37	10°56	10°28	10°54	11°22	26° 4	M 6
T 7	9 7 15	17°47'34	5°40	12°24	2°38	1°56	26°17	23°10	7°56	12°37	10°55	10°17	10°50	11°28	26° 9	T 7
W 8	9 11 12	18°48'26	20°41	14° 5	2°13	2°35	26°28	23° 8	7°54	12°38	10°54	10° 8	10°47	11°35	26°13	W 8
T 9	9 15 8	19°49'17	5°17	15°47	1°50	3°14	26°39	23° 7	7°51	12°38	10°52	10° 2	10°44	11°42	26°17	T 9
F 10	9 19 5	20°50'06	19°24	17°30	1°30	3°52	26°49	23° 5	7°49	12°39	10°51	9°58	10°41	11°49	26°22	F 10
S 11	9 23 1	21°50'54	3° 2	19°14	1°12	4°31	26°59	23° 4	7°46	12°40	10°49	9°57	10°38	11°55	26°26	S 11
S 12	9 26 58	22°51'40	16°11	20°58	0°57	5°10	27°10	23° 2	7°44	12°40	10°48	9°56	10°34	12° 2	26°31	S 12
M13	9 30 54	23°52'25	28°57	22°44	0°44	5°49	27°20	23° 1	7°41	12°41	10°47	9°56	10°31	12° 9	26°35	M13
T 14	9 34 51	24°53'09	11°23	24°30	0°33	6°28	27°30	23° 0	7°39	12°42	10°45	9°55	10°28	12°15	26°39	T 14
W15	9 38 48	25°53'51	23°35	26°16	0°25	7° 7	27°40	22°59	7°36	12°42	10°44	9°52	10°25	12°22	26°44	W15
T 16	9 42 44	26°54'31	5°36	28° 4	0°20	7°46	27°50	22°58	7°34	12°43	10°42	9°46	10°22	12°29	26°48	T 16
F 17	9 46 41	27°55'10	17°31	29°52	0°16	8°25	28° 0	22°58	7°31	12°44	10°41	9°37	10°19	12°36	26°53	F 17
S 18	9 50 37	28°55'47	29°24	1°41	0°D16	9° 3	28° 9	22°57	7°29	12°45	10°39	9°26	10°15	12°42	26°57	S 18
S 19	9 54 34	29°56'22	11°16	3°31	0°17	9°42	28°19	22°57	7°27	12°46	10°38	9°13	10°12	12°49	27° 1	S 19
M20	9 58 30	0°56'56	23° 9	5°21	0°21	10°21	28°28	22°56	7°24	12°47	10°36	8°59	10° 9	12°56	27° 6	M20
T 21	10 2 27	1°57'29	5° 5	7°12	0°28	11° 0	28°38	22°56	7°22	12°48	10°35	8°46	10° 6	13° 3	27°10	T 21
W22	10 6 23	2°58'00	17° 4	9° 3	0°37	11°39	28°47	22°56	7°20	12°49	10°33	8°35	10° 3	13° 9	27°14	W22
T 23	10 10 20	3°58'29	29°10	10°55	0°48	12°18	28°56	22°D56	7°17	12°50	10°31	8°26	10° 0	13°16	27°19	T 23
F 24	10 14 17	4°58'57	11°22	12°47	1° 1	12°57	29° 5	22°56	7°15	12°51	10°30	8°19	9°56	13°23	27°23	F 24
S 25	10 18 13	5°59'24	23°42	14°39	1°16	13°36	29°14	22°56	7°13	12°52	10°28	8°16	9°53	13°29	27°27	S 25
S 26	10 22 10	6°59'49	6°15	16°31	1°33	14°15	29°23	22°56	7°11	12°53	10°27	8°D15	9°50	13°36	27°32	S 26
M27	10 26 6	8° 0'13	19° 3	18°22	1°52	14°54	29°31	22°56	7° 9	12°54	10°25	8°15	9°47	13°43	27°36	M27
T 28	10 30 3	9° 0'35	2° 9	20°13	2°13	15°33	29°40	22°II57	7° 7	12°55	10°24	8°16	9°44	13°50	27°40	T 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	17s16	23s25	2s 8	21s20	1s48	11s37	7n25	11n18	0n34	22s50	0n29	22n 1	1s14	18n50	0n39	13n56	1s45	19n27	13n 3	15n10	15n10	22n27	7s20	5n57			
T 2	16 59	26 13	3 10	21 0	1 51	11 40	7 31	11 33	0 35	22 51	0 29	22 1	1 14	18 51	0 39	13 56	1 45	19 27	13 3	15 9	15 9	22 25	7 19	5 57			
F 3	16 41	27 22	4 3	20 39	1 54	11 42	7 36	11 47	0 36	22 51	0 29	22 1	1 14	18 51	0 39	13 56	1 45	19 28	13 3	15 7	15 8	22 23	7 17	5 57			
S 4	16 24	26 35	4 40	20 17	1 57	11 45	7 41	12 2	0 36	22 51	0 29	22 1	1 14	18 52	0 39	13 56	1 45	19 29	13 4	15 4	15 7	22 21	7 16	5 56			
S 5	16 6	23 49	4 58	19 53	1 59	11 49	7 44	12 16	0 37	22 52	0 29	22 1	1 13	18 53	0 39	13 56	1 45	19 30	13 4	15 0	15 6	22 19	7 15	5 56			
M 6	15 47	19 21	4 55	19 28	2 1	11 52	7 47	12 30	0 38	22 52	0 29	22 1	1 13	18 53	0 39	13 56	1 45	19 30	13 4	14 57	15 5	22 18	7 13	5 56			
T 7	15 29	13 38	4 31	19 2	2 3	11 57	7 48	12 44	0 39	22 52	0 29	22 1	1 13	18 54	0 39	13 57	1 45	19 31	13 4	14 53	15 4	22 16	7 12	5 56			
W 8	15 10	7 12	3 49	18 34	2 4	12 1	7 49	12 59	0 40	22 53	0 29	22 2	1 13	18 55	0 39	13 57	1 45	19 32	13 5	14 50	15 3	22 14	7 11	5 56			
T 9	14 51	0 32	2 52	18 4	2 5	12 6	7 49	13 13	0 40	22 53	0 29	22 2	1 13	18 55	0 39	13 57	1 45	19 33	13 5	14 48	15 2	22 12	7 9	5 56			
F 10	14 32	5n57	1 46	17 34	2 5	12 10	7 49	13 27	0 41	22 53	0 29	22 2	1 12	18 56	0 39	13 57	1 45	19 33	13 5	14 47	15 1	22 10	7 8	5 56			
S 11	14 13	11 56	0 37	17 2	2 5	12 16	7 48	13 40	0 42	22 54	0 29	22 2	1 12	18 57	0 39	13 58	1 45	19 34	13 5	14 47	15 0	22 8	7 6	5 56			
S 12	13 53	17 11	0n33	16 28	2 5	12 21	7 46	13 54	0 43	22 54	0 29	22 2	1 12	18 57	0 39	13 58	1 45	19 35	13 5	14 47	14 59	22 6	7 5	5 56			
M13	13 33	21 31	1 39	15 53	2 4	12 26	7 43	14 8	0 43	22 54	0 29	22 2	1 12	18 58	0 39	13 58	1 44	19 36	13 6	14 47	14 58	22 4	7 4	5 56			
T 14	13 13	24 44	2 38	15 17	2 3	12 31	7 40	14 21	0 44	22 54	0 29	22 2	1 11	18 58	0 39	13 58	1 44	19 36	13 6	14 46	14 57	22 2	7 2	5 56			
W15	12 52	26 44	3 29	14 39	2 1	12 37	7 36	14 35	0 45	22 55	0 29	22 3	1 11	18 59	0 39	13 59	1 44	19 37	13 6	14 45	14 56	22 0	7 1	5 56			
T 16	12 32	27 27	4 10	14 0	1 59	12 42	7 32	14 48	0 46	22 55	0 29	22 3	1 11	19 0	0 39	13 59	1 44	19 38	13 6	14 43	14 55	21 58	6 59	5 55			
F 17	12 11	26 53	4 39	13 19	1 56	12 47	7 27	15 1	0 46	22 55	0 29	22 3	1 11	19 0	0 39	13 59	1 44	19 38	13 6	14 41	14 54	21 56	6 58	5 55			
S 18	11 50	25 5	4 56	12 37	1 53	12 52	7 22	15 14	0 47	22 55	0 29	22 3	1 11	19 1	0 39	14 0	1 44	19 39	13 6	14 37	14 53	21 54	6 57	5 55			
S 19	11 29	22 12	5 1	11 54	1 49	12 58	7 16	15 27	0 48	22 55	0 29	22 3	1 10	19 2	0 39	14 0	1 44	19 40	13 7	14 33	14 52	21 52	6 55	5 55			
M20	11 8	18 23	4 52	11 10	1 45	13 3	7 10	15 40	0 48	22 55	0 29	22 3	1 10	19 2	0 39	14 0	1 44	19 41	13 7	14 29	14 51	21 50	6 54	5 55			
T 21	10 46	13 50	4 30	10 24	1 40	13 7	7 4	15 53	0 49	22 55	0 29	22 4	1 10	19 3	0 39	14 1	1 44	19 41	13 7	14 24	14 50	21 48	6 52	5 55			
W22	10 24	8 44	3 57	9 37	1 34	13 12	6 57	16 6	0 49	22 56	0 29	22 4	1 10	19 3	0 39	14 1	1 44	19 42	13 7	14 21	14 49	21 46	6 51	5 55			
T 23	10 2	3 16	3 12	8 49	1 28	13 16	6 50	16 18	0 50	22 56	0 29	22 4	1 10	19 4	0 39	14 1	1 44	19 43	13 7	14 18	14 48	21 44	6 49	5 55			
F 24	9 40	2s22	2 18	8 0	1 21	13 21	6 43	16 31	0 51	22 56	0 29	22 4	1 9	19 4	0 39	14 2	1 44	19 44	13 7	14 16	14 47	21 42	6 48	5 55			
S 25	9 18	8 0	1 17	7 11	1 14	13 25	6 36	16 43	0 51	22 56	0 29	22 5	1 9	19 5	0 39	14 2	1 44	19 44	13 7	14 15	14 46	21 40	6 46	5 55			
S 26	8 56	13 25	0 11	6 20	1 6	13 28	6 29	16 55	0 52	22 56	0 29	22 5	1 9	19 6	0 39	14 2	1 44	19 45	13 7	14 14	14 45	21 38	6 45	5 55			
M27	8 34	18 23	0s57	5 28	0 57	13 32	6 21	17 7	0 52	22 56	0 29	22 5	1 9	19 6	0 39	14 3	1 44	19 46	13 8	14 15	14 44	21 36	6 43	5 55			
T 28	8s11	22s36	2s 4	4s36	0s48	13s35	6n13	17n19	0n53	22s56	0n29	22n 5	1s 8	19n 7	0n39	14n 3	1s44	19n46	13n 8	14n15	14n43	21n34	6s42	5n55			

Julian Day Number = 2527911.5, Delta T = 172.15 sec

Ecliptic obliquity = 23°24'50, Nutation = - 0°00'10, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°39'44, Lahiri = 26°46'45

ASTRODIENST EPHEMERIS for the year 2209

geocentric

MARCH 2209

00:00 UT

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

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	7s48	25s43	3s 6	3s44	0s38	13s37	6n 5	17n31	0n54	22s56	0n29	22n 5	1s 8	19n 7	0n39	14n 4	1s44	19n47	13n 8	14n15	14n42	21n32	6s40	5n55			
T 2	7 26	27 23	3 59	2 51	0 27	13 40	5 57	17 43	0 54	22 56	0 29	22 6	1 8	19 8	0 39	14 4	1 43	19 48	13 8	14 14	14 41	21 30	6 39	5 55			
F 3	7 3	27 19	4 38	1 58	0 16	13 42	5 49	17 54	0 55	22 56	0 29	22 6	1 8	19 8	0 39	14 5	1 43	19 48	13 8	14 13	14 40	21 28	6 38	5 56			
S 4	6 40	25 22	5 1	1 6	0 4	13 43	5 41	18 6	0 55	22 56	0 29	22 6	1 8	19 9	0 39	14 5	1 43	19 49	13 8	14 11	14 39	21 26	6 36	5 56			
S 5	6 16	21 38	5 4	0 14	0n 8	13 45	5 33	18 17	0 56	22 56	0 29	22 7	1 7	19 9	0 39	14 5	1 43	19 50	13 8	14 9	14 38	21 24	6 35	5 56			
M 6	5 53	16 26	4 46	0n37	0 20	13 46	5 24	18 28	0 56	22 56	0 29	22 7	1 7	19 10	0 39	14 6	1 43	19 50	13 8	14 6	14 37	21 22	6 33	5 56			
T 7	5 30	10 13	4 8	1 27	0 33	13 46	5 16	18 39	0 57	22 56	0 29	22 7	1 7	19 10	0 39	14 6	1 43	19 51	13 8	14 4	14 36	21 20	6 32	5 56			
W 8	5 7	3 29	3 13	2 16	0 47	13 46	5 8	18 50	0 57	22 56	0 29	22 7	1 7	19 10	0 39	14 7	1 43	19 51	13 8	14 1	14 35	21 18	6 30	5 56			
T 9	4 43	3n18	2 6	3 3	1 0	13 46	4 59	19 1	0 58	22 56	0 29	22 8	1 7	19 11	0 39	14 7	1 43	19 52	13 8	14 0	14 34	21 16	6 29	5 56			
F 10	4 20	9 45	0 53	3 49	1 14	13 45	4 51	19 11	0 58	22 56	0 29	22 8	1 6	19 11	0 39	14 8	1 43	19 53	13 8	13 59	14 33	21 13	6 27	5 56			
S 11	3 56	15 32	0n21	4 31	1 28	13 43	4 42	19 22	0 58	22 56	0 29	22 8	1 6	19 12	0 39	14 8	1 43	19 53	13 8	13 59	14 32	21 11	6 26	5 56			
S 12	3 33	20 22	1 31	5 12	1 42	13 42	4 34	19 32	0 59	22 56	0 29	22 9	1 6	19 12	0 39	14 9	1 43	19 54	13 8	13 59	14 31	21 9	6 24	5 56			
M13	3 9	24 5	2 35	5 49	1 55	13 39	4 26	19 42	0 59	22 56	0 29	22 9	1 6	19 12	0 39	14 9	1 43	19 54	13 8	13 59	14 30	21 7	6 23	5 56			
T 14	2 45	26 31	3 29	6 23	2 8	13 37	4 17	19 52	1 0	22 56	0 29	22 9	1 5	19 13	0 39	14 10	1 43	19 55	13 8	14 0	14 29	21 5	6 21	5 56			
W15	2 22	27 36	4 13	6 53	2 21	13 34	4 9	20 2	1 0	22 56	0 29	22 10	1 5	19 13	0 39	14 10	1 43	19 56	13 8	14 0	14 28	21 3	6 20	5 56			
T 16	1 58	27 22	4 44	7 20	2 33	13 30	4 1	20 12	1 1	22 56	0 29	22 10	1 5	19 14	0 39	14 11	1 43	19 56	13 8	13 59	14 27	21 1	6 18	5 57			
F 17	1 34	25 52	5 3	7 43	2 44	13 26	3 52	20 22	1 1	22 56	0 29	22 10	1 5	19 14	0 39	14 11	1 43	19 57	13 8	13 58	14 26	20 59	6 17	5 57			
S 18	1 10	23 13	5 9	8 1	2 55	13 21	3 44	20 31	1 1	22 56	0 29	22 11	1 5	19 14	0 39	14 12	1 43	19 57	13 8	13 56	14 25	20 56	6 15	5 57			
S 19	0 47	19 36	5 2	8 16	3 4	13 16	3 36	20 40	1 2	22 55	0 29	22 11	1 4	19 15	0 39	14 12	1 43	19 58	13 8	13 54	14 24	20 54	6 14	5 57			
M20	0 23	15 12	4 41	8 25	3 12	13 11	3 28	20 49	1 2	22 55	0 29	22 11	1 4	19 15	0 39	14 13	1 43	19 58	13 8	13 51	14 23	20 52	6 12	5 57			
T 21	0n 1	10 11	4 8	8 31	3 19	13 5	3 20	20 58	1 3	22 55	0 29	22 12	1 4	19 15	0 39	14 14	1 43	19 59	13 8	13 49	14 22	20 50	6 11	5 57			
W22	0 24	4 43	3 23	8 31	3 24	12 58	3 12	21 7	1 3	22 55	0 28	22 12	1 4	19 15	0 39	14 14	1 43	19 59	13 8	13 47	14 21	20 48	6 9	5 57			
T 23	0 48	0s59	2 29	8 27	3 28	12 51	3 4	21 15	1 3	22 55	0 28	22 12	1 4	19 16	0 39	14 15	1 43	20 0	13 8	13 45	14 20	20 46	6 8	5 58			
F 24	1 12	6 44	1 26	8 19	3 30	12 44	2 56	21 24	1 4	22 55	0 28	22 13	1 3	19 16	0 39	14 15	1 42	20 0	13 8	13 44	14 18	20 43	6 6	5 58			
S 25	1 35	12 18	0 19	8 7	3 30	12 36	2 48	21 32	1 4	22 55	0 28	22 13	1 3	19 16	0 39	14 16	1 42	20 1	13 7	13 44	14 17	20 41	6 5	5 58			
S 26	1 59	17 27	0s51	7 50	3 28	12 27	2 40	21 40	1 4	22 55	0 28	22 13	1 3	19 16	0 39	14 16	1 42	20 1	13 7	13 44	14 16	20 39	6 4	5 58			
M27	2 23	21 53	2 0	7 30	3 24	12 18	2 33	21 48	1 5	22 55	0 28	22 14	1 3	19 17	0 39	14 17	1 42	20 1	13 7	13 44	14 15	20 37	6 2	5 58			
T 28	2 46	25 17	3 3	7 7	3 19	12 9	2 25	21 56	1 5	22 55	0 28	22 14	1 3	19 17	0 39	14 18	1 42	20 2	13 7	13 45	14 14	20 35	6 1	5 58			
W29	3 10	27 18	3 58	6 40	3 12	11 59	2 18	22 4	1 5	22 55	0 28	22 14	1 2	19 17	0 39	14 18	1 42	20 2	13 7	13 45	14 13	20 32	5 59	5 59			
T 30	3 33	27 42	4 39	6 12	3 3	11 48	2 10	22 11	1 6	22 55	0 28	22 15	1 2	19 17	0 39	14 19	1 42	20 3	13 7	13 46	14 12	20 30	5 58	5 59			
F 31	3n56	26s19	5s 6	5n42	2n52	11s37	2n 3	22n18	1n 6	22s55	0n28	22n15	1s 2	19n17	0n39	14n19	1s42	20n 3	13n 7	13n45	14n11	20n28	5s56	5n59			

ASTRODIENST EPHEMERIS for the year 2209

geocentric

APRIL 2209

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 36 13	10°56'40	8°14	6°R50	24°46	6°II17	2°356	24°II10	6°R20	13°847	9°R37	6°R43	8°8 2	17°Ω25	29°48	S 1
S 2	12 40 9	11°56'01	22°49	6°Y 0	25°42	6°56	2°59	24°14	6°Ω20	13°49	9°η36	6°840	7°59	17°31	29°52	S 2
M 3	12 44 6	12°55'20	7°32	5°11	26°38	7°34	3° 2	24°18	6°19	13°51	9°34	6°37	7°56	17°38	29°55	M 3
T 4	12 48 2	13°54'38	22°16	4°26	27°35	8°13	3° 5	24°23	6°18	13°53	9°33	6°34	7°52	17°45	29°59	T 4
W 5	12 51 59	14°53'53	6°Y54	3°45	28°32	8°52	3° 8	24°27	6°18	13°55	9°32	6°31	7°49	17°52	0°X 2	W 5
T 6	12 55 55	15°53'07	21°18	3° 8	29°30	9°30	3°11	24°31	6°17	13°57	9°31	6°30	7°46	17°58	0° 5	T 6
F 7	12 59 52	16°52'18	5°824	2°36	0°X28	10° 9	3°14	24°36	6°17	13°59	9°30	6°D29	7°43	18° 5	0° 9	F 7
S 8	13 3 48	17°51'27	19° 8	2° 9	1°27	10°48	3°16	24°40	6°17	14° 1	9°28	6°29	7°40	18°12	0°12	S 8
S 9	13 7 45	18°50'35	2°II27	1°47	2°26	11°27	3°18	24°45	6°16	14° 3	9°27	6°30	7°37	18°18	0°15	S 9
M10	13 11 41	19°49'40	15°24	1°31	3°25	12° 5	3°20	24°49	6°16	14° 5	9°26	6°32	7°33	18°25	0°18	M10
T 11	13 15 38	20°48'42	28° 0	1°21	4°25	12°44	3°22	24°54	6°16	14° 8	9°25	6°33	7°30	18°32	0°22	T 11
W12	13 19 35	21°47'43	10°818	1°D15	5°25	13°22	3°24	24°59	6°16	14°10	9°24	6°34	7°27	18°39	0°25	W12
T 13	13 23 31	22°46'41	22°23	1°16	6°25	14° 1	3°25	25° 4	6°16	14°12	9°23	6°R34	7°24	18°45	0°28	T 13
F 14	13 27 28	23°45'37	4°Ω20	1°21	7°26	14°40	3°26	25° 9	6°D16	14°14	9°22	6°34	7°21	18°52	0°31	F 14
S 15	13 31 24	24°44'31	16°13	1°32	8°27	15°18	3°27	25°14	6°16	14°16	9°21	6°33	7°17	18°59	0°34	S 15
S 16	13 35 21	25°43'22	28° 6	1°48	9°28	15°57	3°28	25°19	6°16	14°18	9°20	6°32	7°14	19° 6	0°37	S 16
M17	13 39 17	26°42'11	10°η 3	2° 9	10°30	16°36	3°29	25°24	6°16	14°20	9°19	6°31	7°11	19°12	0°39	M17
T 18	13 43 14	27°40'58	22° 9	2°34	11°32	17°14	3°30	25°29	6°16	14°23	9°18	6°29	7° 8	19°19	0°42	T 18
W19	13 47 10	28°39'43	4°Ω25	3° 3	12°34	17°53	3°30	25°35	6°16	14°25	9°17	6°28	7° 5	19°26	0°45	W19
T 20	13 51 7	29°38'26	16°53	3°37	13°37	18°31	3°R30	25°40	6°17	14°27	9°16	6°27	7° 2	19°32	0°48	T 20
F 21	13 55 4	0°837'07	29°36	4°15	14°40	19°10	3°30	25°46	6°17	14°29	9°15	6°27	6°58	19°39	0°50	F 21
S 22	13 59 0	1°35'45	12°η33	4°57	15°43	19°48	3°30	25°51	6°18	14°31	9°15	6°D27	6°55	19°46	0°53	S 22
S 23	14 2 57	2°34'22	25°45	5°42	16°46	20°27	3°29	25°57	6°18	14°34	9°14	6°27	6°52	19°53	0°56	S 23
M24	14 6 53	3°32'58	9°710	6°30	17°50	21° 5	3°29	26° 3	6°19	14°36	9°13	6°28	6°49	19°59	0°58	M24
T 25	14 10 50	4°31'31	22°48	7°22	18°53	21°44	3°28	26° 9	6°19	14°38	9°12	6°28	6°46	20° 6	1° 1	T 25
W26	14 14 46	5°30'03	6°837	8°18	19°57	22°22	3°27	26°14	6°20	14°40	9°12	6°28	6°43	20°13	1° 3	W26
T 27	14 18 43	6°28'33	20°37	9°16	21° 2	23° 1	3°26	26°20	6°20	14°43	9°11	6°R28	6°39	20°19	1° 6	T 27
F 28	14 22 39	7°27'02	4°844	10°17	22° 6	23°39	3°24	26°26	6°21	14°45	9°10	6°D28	6°36	20°26	1° 8	F 28
S 29	14 26 36	8°25'29	18°58	11°21	23°11	24°17	3°23	26°32	6°22	14°47	9°10	6°28	6°33	20°33	1°10	S 29
S 30	14 30 33	9°823'55	3°X15	12°Y27	24°X16	24°II56	3°821	26°II38	6°Ω23	14°849	9°η 9	6°828	6°830	20°Ω40	1°X12	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	4n20	23s14	5s13	5n10	2n41	11s26	1n56	22n25	1n 6	22s55	0n28	22n15	1s 2	19n18	0n39	14n20	1s42	20n 3	13n 7	13n45	14n10	20n26	5s55	5n59	
S 2	4 43	18 38	5 1	4 38	2 28	11 14	1 49	22 32	1 7	22 55	0 28	22 16	1 2	19 18	0 39	14 21	1 42	20 4	13 7	13 44	14 9	20 24	5 54	5 59	
M 3	5 6	12 54	4 29	4 6	2 14	11 2	1 42	22 39	1 7	22 54	0 28	22 16	1 1	19 18	0 39	14 21	1 42	20 4	13 6	13 43	14 8	20 21	5 52	6 0	
T 4	5 29	6 26	3 40	3 35	1 59	10 49	1 35	22 45	1 7	22 54	0 28	22 16	1 1	19 18	0 39	14 22	1 42	20 4	13 6	13 42	14 7	20 19	5 51	6 0	
W 5	5 52	0n21	2 36	3 4	1 43	10 36	1 28	22 52	1 7	22 54	0 28	22 17	1 1	19 18	0 39	14 23	1 42	20 5	13 6	13 41	14 6	20 17	5 50	6 0	
T 6	6 15	7 1	1 23	2 35	1 27	10 22	1 21	22 58	1 8	22 54	0 28	22 17	1 1	19 18	0 39	14 23	1 42	20 5	13 6	13 40	14 5	20 15	5 48	6 0	
F 7	6 37	13 13	0 6	2 7	1 11	10 8	1 14	23 4	1 8	22 54	0 28	22 18	1 1	19 18	0 38	14 24	1 42	20 5	13 6	13 40	14 4	20 12	5 47	6 0	
S 8	7 0	18 36	1n 9	1 42	0 55	9 54	1 8	23 10	1 8	22 54	0 28	22 18	1 1	19 18	0 38	14 24	1 42	20 6	13 6	13 40	14 3	20 10	5 45	6 1	
S 9	7 22	22 54	2 18	1 19	0 39	9 39	1 1	23 16	1 8	22 54	0 28	22 18	1 0	19 18	0 38	14 25	1 42	20 6	13 5	13 40	14 2	20 8	5 44	6 1	
M10	7 45	25 54	3 19	0 58	0 24	9 23	0 55	23 21	1 9	22 54	0 28	22 19	1 0	19 18	0 38	14 26	1 42	20 6	13 5	13 41	14 1	20 6	5 43	6 1	
T 11	8 7	27 31	4 7	0 39	0 8	9 8	0 48	23 26	1 9	22 54	0 28	22 19	1 0	19 18	0 38	14 26	1 42	20 6	13 5	13 41	14 0	20 3	5 42	6 1	
W12	8 29	27 43	4 43	0 24	0s 7	8 52	0 42	23 31	1 9	22 54	0 28	22 19	1 0	19 18	0 38	14 27	1 42	20 7	13 5	13 42	13 59	20 1	5 40	6 2	
T 13	8 51	26 36	5 6	0 10	0 22	8 35	0 36	23 36	1 9	22 54	0 28	22 20	1 0	19 18	0 38	14 28	1 42	20 7	13 5	13 42	13 58	19 59	5 39	6 2	
F 14	9 13	24 16	5 16	0s 0	0 36	8 18	0 30	23 41	1 10	22 54	0 28	22 20	0 59	19 18	0 38	14 28	1 42	20 7	13 4	13 42	13 57	19 56	5 38	6 2	
S 15	9 34	20 55	5 12	0 8	0 49	8 1	0 24	23 46	1 10	22 54	0 28	22 20	0 59	19 18	0 38	14 29	1 42	20 7	13 4	13 41	13 56	19 54	5 36	6 2	
S 16	9 56	16 43	4 54	0 14	1 2	7 43	0 19	23 50	1 10	22 54	0 28	22 21	0 59	19 18	0 38	14 30	1 42	20 7	13 4	13 41	13 55	19 52	5 35	6 3	
M17	10 17	11 51	4 24	0 17	1 14	7 25	0 13	23 54	1 10	22 54	0 28	22 21	0 59	19 18	0 38	14 30	1 42	20 8	13 4	13 41	13 54	19 49	5 34	6 3	
T 18	10 38	6 30	3 41	0 17	1 25	7 7	0 7	23 58	1 10	22 54	0 28	22 22	0 59	19 18	0 38	14 31	1 42	20 8	13 3	13 40	13 53	19 47	5 33	6 3	
W19	10 59	0 49	2 48	0 15	1 36	6 48	0 2	24 2	1 11	22 54	0 28	22 22	0 59	19 18	0 38	14 32	1 42	20 8	13 3	13 40	13 52	19 45	5 31	6 3	
T 20	11 20	5s 0	1 46	0 11	1 46	6 29	0s 3	24 6	1 11	22 54	0 28	22 22	0 58	19 18	0 38	14 32	1 42	20 8	13 3	13 40	13 51	19 42	5 30	6 4	
F 21	11 41	10 44	0 38	0 5	1 55	6 10	0 9	24 9	1 11	22 54	0 28	22 23	0 58	19 18	0 38	14 33	1 42	20 8	13 3	13 39	13 50	19 40	5 29	6 4	
S 22	12 1	16 8	0s34	0n 4	2 4	5 50	0 14	24 12	1 11	22 54	0 28	22 23	0 58	19 18	0 38	14 34	1 42	20 8	13 3	13 39	13 49	19 38	5 28	6 4	
S 23	12 21	20 52	1 45	0 15	2 12	5 30	0 19	24 15	1 11	22 54	0 28	22 23	0 58	19 18	0 38	14 34	1 42	20 8	13 2	13 39	13 48	19 35	5 27	6 5	
M24	12 41	24 38	2 52	0 27	2 19	5 10	0 24	24 18	1 11	22 54	0 28	22 24	0 58	19 17	0 38	14 35	1 42	20 8	13 2	13 40	13 47	19 33	5 26	6 5	
T 25	13 1	27 2	3 50	0 42	2 26	4 50	0 28	24 21	1 12	22 54	0 28	22 24	0 58	19 17	0 38	14 35	1 42	20 8	13 2	13 40	13 45	19 31	5 24	6 5	
W26	13 21	27 50	4 35	0 58	2 31	4 29	0 33	24 23	1 12	22 54	0 28	22 24	0 57	19 17	0 38	14 36	1 42	20 8	13 1	13 40	13 44	19 28	5 23	6 5	
T 27	13 40	26 51	5 5	1 16	2 37	4 8	0 38	24 26	1 12	22 55	0 28	22 25	0 57	19 17	0 38	14 37	1 42	20 9	13 1	13 40	13 43	19 26	5 22	6 6	
F 28	13 59	24 11	5 17	1 36	2 41	3 46	0 42	24 28	1 12	22 55	0 28	22 25	0 57	19 17	0 38	14 37	1 42	20 9	13 1	13 40	13 42	19 24	5 21	6 6	
S 29	14 18	20 1	5 9	1 57	2 45	3 25	0 46	24 30	1 12	22 55	0 28	22 25	0 57	19 16	0 38	14 38	1 42	20 9	13 1	13 40	13 41	19 21	5 20	6 6	
S 30	14n37	14s42	4s43	2n20	2s48	3s 3	0s51	24n31	1n12	22s55	0n28	22n26	0s57	19n16	0n38	14n39	1s42	20n 9	13n 0	13n40	13n40	19n19	5s19	6n 0	

ASTRODIENST EPHEMERIS for the year 2209
geocentric

MAY 2209

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 34 29	10♈22'19	17♋33	13♊36	25♊21	25♊34	3°R19	26♊45	6♊24	14♈52	9°R 8	6♈29	6♈27	20♊46	1♋15	M 1
T 2	14 38 26	11°20'41	1°Y49	14°48	26°26	26°13	3♈17	26°51	6°25	14°54	9°R 8	6°29	6°23	20°53	1°17	T 2
W 3	14 42 22	12°19'02	15°58	16° 1	27°32	26°51	3°15	26°57	6°26	14°56	9° 7	6°29	6°20	21° 0	1°19	W 3
T 4	14 46 19	13°17'21	29°57	17°18	28°37	27°29	3°12	27° 3	6°27	14°58	9° 7	6°R30	6°17	21° 6	1°21	T 4
F 5	14 50 15	14°15'38	13♋43	18°36	29°43	28° 8	3°10	27°10	6°28	15° 1	9° 6	6°30	6°14	21°13	1°23	F 5
S 6	14 54 12	15°13'54	27°12	19°57	0°Y49	28°46	3° 7	27°16	6°29	15° 3	9° 6	6°29	6°11	21°20	1°25	S 6
S 7	14 58 8	16°12'08	10♊23	21°20	1°55	29°24	3° 4	27°23	6°30	15° 5	9° 5	6°28	6° 8	21°27	1°26	S 7
M 8	15 2 5	17°10'20	23°16	22°45	3° 1	0♈3	3° 1	27°29	6°31	15° 7	9° 5	6°27	6° 4	21°33	1°28	M 8
T 9	15 6 2	18° 8'30	5♈51	24°12	4° 8	0°41	2°57	27°36	6°33	15°10	9° 5	6°25	6° 1	21°40	1°30	T 9
W10	15 9 58	19° 6'39	18°10	25°41	5°14	1°19	2°54	27°43	6°34	15°12	9° 4	6°24	5°58	21°47	1°32	W10
T11	15 13 55	20° 4'45	0♊17	27°12	6°21	1°58	2°50	27°49	6°35	15°14	9° 4	6°23	5°55	21°54	1°33	T11
F12	15 17 51	21° 2'50	12°15	28°45	7°28	2°36	2°46	27°56	6°37	15°16	9° 4	6°22	5°52	22° 0	1°35	F12
S13	15 21 48	22° 0'52	24° 8	0♋21	8°35	3°14	2°42	28° 3	6°38	15°19	9° 3	6°D21	5°49	22° 7	1°36	S13
S14	15 25 44	22°58'53	6♊12	1°58	9°42	3°52	2°38	28°10	6°40	15°21	9° 3	6°22	5°45	22°14	1°38	S14
M15	15 29 41	23°56'52	18° 0	3°37	10°49	4°31	2°34	28°17	6°42	15°23	9° 3	6°23	5°42	22°20	1°39	M15
T16	15 33 37	24°54'49	0♋7	5°18	11°56	5° 9	2°29	28°24	6°43	15°25	9° 3	6°24	5°39	22°27	1°40	T16
W17	15 37 34	25°52'44	12°28	7° 1	13° 4	5°47	2°24	28°31	6°45	15°28	9° 3	6°26	5°36	22°34	1°42	W17
T18	15 41 31	26°50'38	25° 6	8°47	14°11	6°25	2°20	28°38	6°47	15°30	9° 3	6°27	5°33	22°41	1°43	T18
F19	15 45 27	27°48'30	8♊2	10°34	15°19	7° 4	2°15	28°45	6°48	15°32	9° 3	6°R27	5°29	22°47	1°44	F19
S20	15 49 24	28°46'20	21°18	12°23	16°27	7°42	2° 9	28°52	6°50	15°34	9° 3	6°27	5°26	22°54	1°45	S20
S21	15 53 20	29°44'09	4♋53	14°14	17°34	8°20	2° 4	28°59	6°52	15°36	9°D 2	6°25	5°23	23° 1	1°46	S21
M22	15 57 17	0♊41'57	18°45	16° 8	18°42	8°58	1°59	29° 6	6°54	15°39	9° 3	6°22	5°20	23° 7	1°47	M22
T23	16 1 13	1°39'43	2♈51	18° 3	19°51	9°36	1°53	29°14	6°56	15°41	9° 3	6°19	5°17	23°14	1°48	T23
W24	16 5 10	2°37'28	17° 6	20° 0	20°59	10°14	1°48	29°21	6°58	15°43	9° 3	6°15	5°14	23°21	1°49	W24
T25	16 9 7	3°35'12	1♈25	21°59	22° 7	10°52	1°42	29°28	7° 0	15°45	9° 3	6°12	5°10	23°28	1°49	T25
F26	16 13 3	4°32'55	15°45	24° 0	23°16	11°31	1°36	29°35	7° 2	15°47	9° 3	6° 9	5° 7	23°34	1°50	F26
S27	16 17 0	5°30'37	0♋2	26° 3	24°24	12° 9	1°30	29°43	7° 4	15°50	9° 3	6°D 8	5° 4	23°41	1°51	S27
S28	16 20 56	6°28'18	14°13	28° 8	25°33	12°47	1°24	29°50	7° 7	15°52	9° 3	6° 8	5° 1	23°48	1°51	S28
M29	16 24 53	7°25'58	28°15	0♊14	26°41	13°25	1°17	29°58	7° 9	15°54	9° 4	6° 9	4°58	23°54	1°52	M29
T30	16 28 49	8°23'37	12°Y 9	2°21	27°50	14° 3	1°11	0♈5	7°11	15°56	9° 4	6°11	4°54	24° 1	1°52	T30
W31	16 32 46	9♊21'14	25°Y52	4♊30	28°Y59	14♈41	1°3	0♈12	7♊13	15♈58	9°R 4	6♈12	4♈51	24♊8	1♋53	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	14n55	8s35	3s59	2n44	2s51	2s41	0s55	24n33	1n12	22s55	0n27	22n26	0s57	19n16	0n38	14n39	1s42	20n 8	13n 0	13n40	13n39	19n17	5s18	6n 7					
T 2	15 13	2 2	3 1	3 10	2 53	2 19	0 59	24 34	1 13	22 55	0 27	22 26	0 56	19 16	0 38	14 40	1 42	20 8	13 0	13 40	13 38	19 14	5 17	6 7					
W 3	15 31	4n34	1 51	3 37	2 54	1 56	1 3	24 35	1 13	22 55	0 27	22 26	0 56	19 15	0 38	14 41	1 42	20 8	13 0	13 40	13 37	19 12	5 16	6 8					
T 4	15 49	10 53	0 36	4 5	2 55	1 34	1 6	24 36	1 13	22 55	0 27	22 27	0 56	19 15	0 38	14 41	1 42	20 8	12 59	13 40	13 36	19 9	5 15	6 8					
F 5	16 6	16 34	0n40	4 35	2 55	1 11	1 10	24 37	1 13	22 55	0 27	22 27	0 56	19 15	0 38	14 42	1 42	20 8	12 59	13 40	13 35	19 7	5 14	6 8					
S 6	16 23	21 20	1 52	5 6	2 55	0 48	1 13	24 37	1 13	22 55	0 27	22 27	0 56	19 14	0 38	14 43	1 42	20 8	12 59	13 40	13 34	19 5	5 13	6 9					
S 7	16 40	24 54	2 57	5 37	2 54	0 25	1 17	24 38	1 13	22 56	0 27	22 28	0 56	19 14	0 38	14 43	1 42	20 8	12 58	13 40	13 33	19 2	5 12	6 9					
M 8	16 57	27 5	3 51	6 10	2 52	0 2	1 20	24 38	1 13	22 56	0 27	22 28	0 56	19 14	0 38	14 44	1 42	20 8	12 58	13 39	13 32	19 0	5 11	6 9					
T 9	17 13	27 49	4 32	6 44	2 50	0n22	1 23	24 38	1 13	22 56	0 27	22 28	0 55	19 13	0 38	14 45	1 42	20 8	12 58	13 39	13 31	18 57	5 10	6 10					
W10	17 29	27 8	5 0	7 19	2 47	0 45	1 26	24 38	1 13	22 56	0 27	22 28	0 55	19 13	0 38	14 45	1 42	20 8	12 57	13 38	13 30	18 55	5 9	6 10					
T11	17 45	25 11	5 14	7 55	2 44	1 9	1 29	24 37	1 13	22 56	0 27	22 29	0 55	19 13	0 38	14 46	1 42	20 7	12 57	13 38	13 29	18 52	5 8	6 10					
F12	18 0	22 8	5 14	8 31	2 40	1 33	1 32	24 37	1 14	22 56	0 27	22 29	0 55	19 12	0 37	14 47	1 42	20 7	12 57	13 38	13 28	18 50	5 7	6 11					
S13	18 15	18 11	5 1	9 9	2 36	1 57	1 35	24 36	1 14	22 56	0 27	22 29	0 55	19 12	0 37	14 47	1 42	20 7	12 57	13 38	13 27	18 47	5 7	6 11					
S14	18 30	13 33	4 35	9 47	2 31	2 21	1 37	24 35	1 14	22 56	0 27	22 29	0 55	19 11	0 37	14 48	1 42	20 7	12 56	13 38	13 26	18 45	5 6	6 11					
M15	18 44	8 22	3 56	10 26	2 26	2 45	1 40	24 34	1 14	22 57	0 27	22 30	0 55	19 11	0 37	14 49	1 42	20 7	12 56	13 38	13 25	18 43	5 5	6 12					
T16	18 59	2 49	3 7	11 5	2 20	3 9	1 42	24 33	1 14	22 57	0 27	22 30	0 54	19 11	0 37	14 49	1 42	20 6	12 56	13 38	13 23	18 40	5 4	6 12					
W17	19 12	2s57	2 8	11 45	2 13	3 33	1 45	24 31	1 14	22 57	0 27	22 30	0 54	19 10	0 37	14 50	1 42	20 6	12 55	13 39	13 22	18 38	5 3	6 12					
T18	19 26	8 44	1 2	12 25	2 6	3 57	1 47	24 29	1 14	22 57	0 27	22 30	0 54	19 10	0 37	14 51	1 42	20 6	12 55	13 39	13 21	18 35	5 3	6 13					
F19	19 39	14 19	0s 9	13 6	1 59	4 21	1 49	24 27	1 14	22 57	0 26	22 30	0 54	19 9	0 37	14 51	1 42	20 6	12 55	13 39	13 20	18 33	5 2	6 13					
S20	19 52	19 22	1 21	13 46	1 51	4 45	1 51	24 25	1 14	22 57	0 26	22 31	0 54	19 9	0 37	14 52	1 42	20 5	12 54	13 39	13 19	18 30	5 1	6 13					
S21	20 4	23 33	2 30	14 27	1 43	5 9	1 53	24 23	1 14	22 58	0 26	22 31	0 54	19 8	0 37	14 52	1 42	20 5	12 54	13 39	13 18	18 28	5 1	6 14					
M22	20 17	26 27	3 32	15 8	1 34	5 34	1 54	24 21	1 14	22 58	0 26	22 31	0 54	19 8	0 37	14 53	1 42	20 5	12 54	13 38	13 17	18 25	5 0	6 14					
T23	20 28	27 44	4 21	15 50	1 25	5 58	1 56	24 18	1 14	22 58	0 26	22 31	0 54	19 7	0 37	14 54	1 42	20 5	12 53	13 37	13 16	18 23	4 59	6 14					
W24	20 40	27 13	4 56	16 30	1 16	6 22	1 57	24 15	1 14	22 58	0 26	22 31	0 53	19 7	0 37	14 54	1 42	20 4	12 53	13 35	13 15	18 20	4 59	6 15					
T25	20 51	24 53	5 12	17 11	1 6	6 46	1 59	24 12	1 14	22 58	0 26	22 31	0 53	19 6	0 37	14 55	1 42	20 4	12 53	13 34	13 14	18 18	4 58	6 15					
F26	21 2	21 0	5 9	17 51	0 56	7 10	2 0	24 9	1 14	22 58	0 26	22 32	0 53	19 6	0 37	14 55	1 42	20 4	12 52	13 34	13 13	18 15	4 58	6 15					
S27	21 12	15 55	4 46	18 30	0 46	7 34	2 1	24 6	1 14	22 58	0 26	22 32	0 53	19 5	0 37	14 56	1 42	20 3	12 52	13 33	13 12	18 13	4 57	6 16					
S28	21 22	10 0	4 7	19 9	0 35	7 58	2 2	24 2	1 14	22 59	0 26	22 32	0 53	19 4	0 37	14 57	1 42	20 3	12 52	13 33	13 11	18 10	4 56	6 16					
M29	21 32	3 38	3 13	19 46	0 25	8 22	2 3	23 58	1 14	22 59	0 26	22 32	0 53	19 4	0 37	14 57	1 42	20 2	12 51	13 34	13 10	18 8	4 56	6 16					
T30	21 41	2n50	2 8	20 23	0 14	8 46	2 4	23 54	1 14	22 59	0 26	22 32	0 53	19 3	0 37	14 58	1 42	20 2	12 51	13 34	13 9	18 5	4 55	6 17					
W31	21n50	9n 7	0s56	20n58	0s 4	9n 9	2s 5	23n50	1n14	22s59	0n26	22n32	0s53	19n 3	0n37	14n58	1s42	20n 2	12n51	13n34	13n 8	18n 3	4s55	6n17					

Julian Day Number = 2528000.5, Delta T = 172.40 sec
Ecliptic obliquity = 23°24'51, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°39'56, Lahiri = 26°46'57

ASTRODIENST EPHEMERIS for the year 2209

geocentric

JUNE 2209

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 36 42	10II18'51	9824	6II40	08 8	15519	0°R58	0520	7Ω16	168 0	9Π 4	6°R12	4848	24Ω15	1X53	T 1
F 2	16 40 39	11°16'28	22°45	8°51	1°17	15°57	0551	0°28	7°18	16° 2	9° 5	6811	4°45	24°21	1°53	F 2
S 3	16 44 36	12°14'03	5II53	11° 3	2°26	16°35	0°44	0°35	7°21	16° 4	9° 5	6° 8	4°42	24°28	1°53	S 3
S 4	16 48 32	13°11'37	18°48	13°15	3°35	17°13	0°37	0°43	7°23	16° 6	9° 6	6° 4	4°39	24°35	1°54	S 4
M 5	16 52 29	14° 9'10	1529	15°27	4°44	17°51	0°30	0°50	7°26	16° 8	9° 6	5°58	4°35	24°41	1°54	M 5
T 6	16 56 25	15° 6'41	13°56	17°39	5°54	18°29	0°23	0°58	7°28	16°11	9° 6	5°51	4°32	24°48	1°54	T 6
W 7	17 0 22	16° 4'12	26°11	19°50	7° 3	19° 7	0°16	1° 6	7°31	16°13	9° 7	5°44	4°29	24°55	1°54	W 7
T 8	17 4 18	17° 1'42	8Ω16	22° 1	8°13	19°45	0° 9	1°13	7°33	16°15	9° 7	5°38	4°26	25° 2	1°53	T 8
F 9	17 8 15	17°59'10	20°13	24°11	9°22	20°23	0° 1	1°21	7°36	16°17	9° 8	5°33	4°23	25° 8	1°53	F 9
S 10	17 12 11	18°56'37	2Π 5	26°20	10°32	21° 1	2954	1°29	7°39	16°19	9° 9	5°29	4°20	25°15	1°53	S 10
S 11	17 16 8	19°54'03	13°57	28°27	11°41	21°39	29°47	1°36	7°41	16°20	9° 9	5°28	4°16	25°22	1°53	S 11
M12	17 20 5	20°51'27	25°54	0533	12°51	22°17	29°39	1°44	7°44	16°22	9°10	5°D28	4°13	25°28	1°52	M12
T 13	17 24 1	21°48'51	8Δ 1	2°37	14° 1	22°55	29°32	1°52	7°47	16°24	9°11	5°29	4°10	25°35	1°52	T 13
W14	17 27 58	22°46'14	20°22	4°39	15°11	23°33	29°24	1°59	7°50	16°26	9°11	5°30	4° 7	25°42	1°51	W14
T 15	17 31 54	23°43'35	3Π 3	6°39	16°21	24°11	29°17	2° 7	7°53	16°28	9°12	5°R31	4° 4	25°49	1°51	T 15
F 16	17 35 51	24°40'56	16° 6	8°37	17°31	24°49	29° 9	2°15	7°56	16°30	9°13	5°30	4° 0	25°55	1°50	F 16
S 17	17 39 47	25°38'16	29°34	10°33	18°41	25°27	29° 1	2°23	7°59	16°32	9°14	5°28	3°57	26° 2	1°50	S 17
S 18	17 43 44	26°35'35	13526	12°27	19°51	26° 5	28°54	2°31	8° 2	16°34	9°14	5°23	3°54	26° 9	1°49	S 18
M19	17 47 40	27°32'53	27°41	14°18	21° 1	26°43	28°46	2°38	8° 5	16°36	9°15	5°17	3°51	26°15	1°48	M19
T 20	17 51 37	28°30'11	12313	16° 7	22°11	27°21	28°39	2°46	8° 8	16°37	9°16	5° 9	3°48	26°22	1°47	T 20
W21	17 55 34	29°27'28	26°55	17°53	23°21	27°59	28°31	2°54	8°11	16°39	9°17	5° 1	3°45	26°29	1°46	W21
T 22	17 59 30	0524'44	1140	19°37	24°32	28°37	28°23	3° 2	8°14	16°41	9°18	4°53	3°41	26°36	1°45	T 22
F 23	18 3 27	1°22'01	26°21	21°19	25°42	29°15	28°16	3°10	8°17	16°43	9°19	4°47	3°38	26°42	1°44	F 23
S 24	18 7 23	2°19'17	10X50	22°58	26°53	29°53	28° 8	3°17	8°20	16°44	9°20	4°43	3°35	26°49	1°43	S 24
S 25	18 11 20	3°16'32	25° 5	24°35	28° 3	0031	28° 0	3°25	8°23	16°46	9°21	4°41	3°32	26°56	1°42	S 25
M26	18 15 16	4°13'48	9Y 3	26° 9	29°14	1° 8	27°53	3°33	8°26	16°48	9°22	4°D41	3°29	27° 2	1°41	M26
T 27	18 19 13	5°11'03	22°45	27°41	0II24	1°46	27°45	3°41	8°29	16°49	9°23	4°42	3°26	27° 9	1°40	T 27
W28	18 23 9	6° 8'19	6811	29°11	1°35	2°24	27°38	3°49	8°33	16°51	9°24	4°R42	3°22	27°16	1°38	W28
T 29	18 27 6	7° 5'34	19°23	0Ω37	2°46	3° 2	27°30	3°57	8°36	16°53	9°25	4°41	3°19	27°23	1°37	T 29
F 30	18 31 3	852'50	2II22	2Δ 2	3II56	3Ω40	27523	454	8Δ39	16854	9Π26	4838	3816	27Ω29	1X36	F 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂			
-----	---	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	--	--

Julian Day Number = 2528031.5, Delta T = 172.49 sec

Ecliptic obliquity = 23°24'50, Nutation = - 0°00'11, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°40'01, Lahiri = 26°47'01

ASTRODIENST EPHEMERIS for the year 2209
geocentric

JULY 2209

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 34 59	9☾ 0'05	15♏ 9	3♏24	5♏ 7	4♏18	27°R15	4☾12	8♏43	16♏56	9♏27	4°R32	3♏13	27♏36	1°R34	S 1
S 2	18 38 56	9°57'20	27°46	4°43	6°18	4°56	27♏ 8	4°20	8°46	16°57	9°29	4♏24	3°10	27°43	1♏33	S 2
M 3	18 42 52	10°54'35	10☾12	6° 0	7°29	5°34	27° 1	4°28	8°49	16°59	9°30	4°14	3° 7	27°49	1°31	M 3
T 4	18 46 49	11°51'50	22°28	7°13	8°40	6°12	26°53	4°36	8°53	17° 0	9°31	4° 2	3° 3	27°56	1°29	T 4
W 5	18 50 45	12°49'04	4♏36	8°25	9°51	6°50	26°46	4°43	8°56	17° 2	9°32	3°49	3° 0	28° 3	1°28	W 5
T 6	18 54 42	13°46'18	16°35	9°33	11° 2	7°27	26°39	4°51	8°59	17° 3	9°34	3°38	2°57	28°10	1°26	T 6
F 7	18 58 39	14°43'32	28°29	10°38	12°13	8° 5	26°32	4°59	9° 3	17° 5	9°35	3°28	2°54	28°16	1°24	F 7
S 8	19 2 35	15°40'46	10♏19	11°41	13°25	8°43	26°25	5° 7	9° 6	17° 6	9°36	3°21	2°51	28°23	1°22	S 8
S 9	19 6 32	16°37'59	22° 9	12°40	14°36	9°21	26°18	5°14	9°10	17° 7	9°38	3°16	2°47	28°30	1°20	S 9
M10	19 10 28	17°35'13	4♏ 4	13°36	15°47	9°59	26°12	5°22	9°13	17° 9	9°39	3°13	2°44	28°36	1°19	M10
T 11	19 14 25	18°32'26	16° 9	14°29	16°58	10°37	26° 5	5°30	9°17	17°10	9°40	3°D12	2°41	28°43	1°17	T 11
W12	19 18 21	19°29'38	28°27	15°19	18°10	11°15	25°59	5°37	9°20	17°11	9°42	3°R13	2°38	28°50	1°15	W12
T 13	19 22 18	20°26'51	11♏ 6	16° 5	19°21	11°53	25°52	5°45	9°24	17°12	9°43	3°12	2°35	28°57	1°12	T 13
F 14	19 26 14	21°24'03	24° 9	16°47	20°33	12°30	25°46	5°53	9°27	17°14	9°45	3°11	2°32	29° 3	1°10	F 14
S 15	19 30 11	22°21'16	7♏39	17°26	21°44	13° 8	25°40	6° 0	9°31	17°15	9°46	3° 7	2°28	29°10	1° 8	S 15
S 16	19 34 8	23°18'28	21°39	18° 1	22°56	13°46	25°34	6° 8	9°35	17°16	9°48	3° 1	2°25	29°17	1° 6	S 16
M17	19 38 4	24°15'41	6♏ 5	18°31	24° 7	14°24	25°28	6°16	9°38	17°17	9°49	2°53	2°22	29°23	1° 4	M17
T 18	19 42 1	25°12'54	20°54	18°58	25°19	15° 2	25°22	6°23	9°42	17°18	9°51	2°43	2°19	29°30	1° 1	T 18
W19	19 45 57	26°10'07	5♏57	19°20	26°31	15°40	25°16	6°31	9°45	17°19	9°52	2°32	2°16	29°37	0°59	W19
T 20	19 49 54	27° 7'20	21° 5	19°37	27°42	16°18	25°11	6°38	9°49	17°20	9°54	2°22	2°13	29°43	0°57	T 20
F 21	19 53 50	28° 4'34	6♏ 6	19°50	28°54	16°56	25° 5	6°46	9°53	17°21	9°56	2°13	2° 9	29°50	0°54	F 21
S 22	19 57 47	29° 1'48	20°53	19°59	0☾ 6	17°33	25° 0	6°53	9°56	17°22	9°57	2° 7	2° 6	29°57	0°52	S 22
S 23	20 1 43	29°59'03	5♏20	20°R 2	1°18	18°11	24°55	7° 1	10° 0	17°23	9°59	2° 4	2° 3	0♏ 4	0°49	S 23
M24	20 5 40	0♏56'18	19°24	20° 1	2°30	18°49	24°50	7° 8	10° 4	17°24	10° 1	2° 3	2° 0	0°10	0°47	M24
T 25	20 9 37	1°53'35	3♏ 5	19°54	3°42	19°27	24°45	7°15	10° 7	17°25	10° 2	2° 3	1°57	0°17	0°44	T 25
W26	20 13 33	2°50'52	16°25	19°43	4°54	20° 5	24°41	7°23	10°11	17°26	10° 4	2° 2	1°53	0°24	0°42	W26
T 27	20 17 30	3°48'10	29°26	19°27	6° 6	20°43	24°36	7°30	10°15	17°27	10° 6	2° 1	1°50	0°30	0°39	T 27
F 28	20 21 26	4°45'29	12♏11	19° 6	7°18	21°21	24°32	7°37	10°18	17°28	10° 7	1°57	1°47	0°37	0°36	F 28
S 29	20 25 23	5°42'49	24°43	18°41	8°30	21°59	24°27	7°45	10°22	17°28	10° 9	1°50	1°44	0°44	0°34	S 29
S 30	20 29 19	6°40'10	7☾ 5	18°11	9°42	22°37	24°23	7°52	10°26	17°29	10°11	1°41	1°41	0°51	0°31	S 30
M31	20 33 16	7♏37'31	19☾18	17♏37	10☾55	23♏15	24♏20	7☾59	10♏29	17♏30	10♏13	1♏29	1♏38	0♏57	0♏28	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	23n 7	25n52	3n18	20n33	1n13	19n26	1s43	20n21	1n13	23s 1	0n22	22n31	0s50	18n39	0n37	15n14
S 2	23 2	27 27	4 3	20 7	1 5	19 40	1 41	20 11	1 13	23 1	0 22	22 31	0 50	18 38	0 36	15 14
M 3	22 58	27 36	4 36	19 40	0 56	19 54	1 39	20 2	1 13	23 1	0 21	22 31	0 50	18 37	0 36	15 15
T 4	22 53	26 24	4 56	19 12	0 47	20 7	1 37	19 53	1 13	23 1	0 21	22 31	0 50	18 36	0 36	15 15
W 5	22 48	23 58	5 2	18 45	0 38	20 20	1 35	19 43	1 13	23 1	0 21	22 30	0 49	18 35	0 36	15 15
T 6	22 42	20 31	4 54	18 17	0 27	20 32	1 33	19 33	1 12	23 1	0 21	22 30	0 49	18 35	0 36	15 16
F 7	22 36	16 16	4 34	17 49	0 17	20 44	1 31	19 23	1 12	23 1	0 21	22 30	0 49	18 34	0 36	15 16
S 8	22 30	11 25	4 2	17 21	0 6	20 55	1 29	19 13	1 12	23 1	0 21	22 30	0 49	18 33	0 36	15 16
S 9	22 23	6 10	3 19	16 54	0s 6	21 5	1 27	19 3	1 12	23 1	0 21	22 29	0 49	18 32	0 36	15 17
M10	22 16	0 39	2 28	16 26	0 18	21 15	1 24	18 53	1 12	23 1	0 20	22 29	0 49	18 31	0 36	15 17
T 11	22 8	4s58	1 29	15 59	0 30	21 25	1 22	18 43	1 12	23 1	0 20	22 29	0 49	18 30	0 36	15 17
W12	22 0	10 31	0 25	15 33	0 43	21 34	1 20	18 32	1 12	23 1	0 20	22 29	0 49	18 29	0 36	15 18
T 13	21 52	15 48	0s42	15 7	0 56	21 42	1 17	18 21	1 12	23 1	0 20	22 28	0 49	18 28	0 36	15 18
F 14	21 43	20 32	1 43	14 41	1 9	21 50	1 15	18 11	1 12	23 1	0 20	22 28	0 49	18 27	0 36	15 18
S 15	21 34	24 23	2 51	14 17	1 23	21 57	1 12	18 0	1 11	23 1	0 20	22 28	0 49	18 26	0 36	15 18
S 16	21 24	26 55	3 46	13 53	1 37	22 4	1 10	17 49	1 11	23 1	0 19	22 28	0 49	18 25	0 36	15 19
M17	21 14	27 45	4 29	13 30	1 51	22 10	1 7	17 38	1 11	23 1	0 19	22 27	0 49	18 24	0 36	15 19
T 18	21 4	26 38	4 54	13 9	2 5	22 15	1 5	17 26	1 11	23 1	0 19	22 27	0 49	18 23	0 36	15 19
W19	20 54	23 36	5 0	12 48	2 19	22 20	1 2	17 15	1 11	23 1	0 19	22 27	0 49	18 22	0 36	15 20
T 20	20 43	18 57	4 45	12 29	2 33	22 24	0 59	17 4	1 11	23 1	0 19	22 26	0 49	18 21	0 36	15 20
F 21	20 31	13 8	4 10	12 12	2 47	22 28	0 57	16 52	1 11	23 1	0 19	22 26	0 48	18 20	0 36	15 20
S 22	20 20	6 39	3 19	11 56	3 2	22 31	0 54	16 40	1 10	23 1	0 18	22 26	0 48	18 19	0 36	15 20
S 23	20 8	0n 2	2 16	11 42	3 15	22 33	0 51	16 29	1 10	23 1	0 18	22 25	0 48	18 18	0 36	15 20
M24	19 56	6 34	1 6	11 29	3 29	22 35	0 49	16 17	1 10	23 1	0 18	22 25	0 48	18 17	0 36	15 21
T 25	19 43	12 37	0n 6	11 19	3 42	22 36	0 46	16 5	1 10	23 1	0 18	22 25	0 48	18 16	0 36	15 21
W26	19 30	17 56	1 15	11 11	3 54	22 36	0 43	15 53	1 10	23 1	0 18	22 24	0 48	18 15	0 36	15 21
T 27	19 17	22 16	2 19	11 4	4 6	22 36	0 40	15 40	1 10	23 1	0 18	22 24	0 48	18 14	0 36	15 21
F 28	19 3	25 27	3 15	11 0	4 17	22 35	0 38	15 28	1 10	23 1	0 17	22 24	0 48	18 13	0 36	15 21
S 29	18 49	27 18	4 0	10 59	4 27	22 34	0 35	15 16	1 9	23 1	0 17	22 23	0 48	18 12	0 36	15 22
S 30	18 35	27 46	4 33	10 59	4 36	22 32	0 32	15 3	1 9	23 1	0 17	22 23	0 48	18 11	0 36	15 22
M31	18n21	26n52	4n53	11n 2	4s43	22n29	0s29	14n51	1n 9	23s 1	0n17	22n23	0s48	18n10	0n36	15n22

Julian Day Number = 2528061.5, Delta T = 172.57 sec
Ecliptic obliquity = 23°24'50, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°40'05, Lahiri = 26°47'05

ASTRODIENST EPHEMERIS for the year 2209
geocentric

AUGUST 2209

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 37 12	8♂34'53	1♂23	17°R 0	12♂ 7	23♂52	24°R16	8♂ 6	10♂33	17♂31	10♂14	1°R16	1♂34	1♂ 4	0°R25	T 1
W 2	20 41 9	9°32'16	13°22	16♂20	13°19	24°30	24♂12	8°13	10°37	17°31	10°16	1♂ 2	1°31	1°11	0♂23	W 2
T 3	20 45 6	10°29'40	25°16	15°38	14°32	25° 8	24° 9	8°20	10°41	17°32	10°18	0°49	1°28	1°17	0°20	T 3
F 4	20 49 2	11°27'04	7♂ 7	14°54	15°44	25°46	24° 6	8°27	10°44	17°32	10°20	0°38	1°25	1°24	0°17	F 4
S 5	20 52 59	12°24'29	18°56	14° 9	16°57	26°24	24° 3	8°34	10°48	17°33	10°22	0°29	1°22	1°31	0°14	S 5
S 6	20 56 55	13°21'55	0♂47	13°24	18° 9	27° 2	24° 0	8°41	10°52	17°33	10°24	0°23	1°18	1°37	0°11	S 6
M 7	21 0 52	14°19'21	12°42	12°39	19°22	27°40	23°57	8°48	10°55	17°34	10°26	0°20	1°15	1°44	0° 8	M 7
T 8	21 4 48	15°16'48	24°45	11°56	20°34	28°18	23°55	8°55	10°59	17°34	10°27	0°18	1°12	1°51	0° 5	T 8
W 9	21 8 45	16°14'16	7♂ 2	11°16	21°47	28°56	23°53	9° 2	11° 3	17°35	10°29	0°D18	1° 9	1°58	0° 2	W 9
T 10	21 12 41	17°11'44	19°38	10°38	23° 0	29°34	23°50	9° 8	11° 6	17°35	10°31	0°R18	1° 6	2° 4	29°59	T 10
F 11	21 16 38	18° 9'13	2♂37	10° 4	24°12	0♂12	23°49	9°15	11°10	17°35	10°33	0°18	1° 3	2°11	29°56	F 11
S 12	21 20 35	19° 6'43	16° 3	9°35	25°25	0°50	23°47	9°22	11°14	17°36	10°35	0°15	0°59	2°18	29°53	S 12
S 13	21 24 31	20° 4'14	29°59	9°11	26°38	1°28	23°45	9°28	11°18	17°36	10°37	0°10	0°56	2°24	29°50	S 13
M14	21 28 28	21° 1'46	14♂24	8°53	27°51	2° 6	23°44	9°35	11°21	17°36	10°39	0° 3	0°53	2°31	29°47	M14
T 15	21 32 24	21°59'18	29°16	8°41	29° 4	2°44	23°43	9°41	11°25	17°37	10°41	29°Y54	0°50	2°38	29°44	T 15
W16	21 36 21	22°56'51	14♂25	8°D36	0♂17	3°22	23°42	9°48	11°28	17°37	10°43	29°44	0°47	2°45	29°41	W16
T 17	21 40 17	23°54'26	29°43	8°37	1°30	4° 0	23°41	9°54	11°32	17°37	10°45	29°35	0°44	2°51	29°38	T 17
F 18	21 44 14	24°52'01	14♂58	8°46	2°43	4°38	23°40	10° 1	11°36	17°37	10°47	29°27	0°40	2°58	29°35	F 18
S 19	21 48 10	25°49'38	0°Y 0	9° 1	3°56	5°16	23°40	10° 7	11°39	17°37	10°49	29°22	0°37	3° 5	29°32	S 19
S 20	21 52 7	26°47'17	14°41	9°24	5° 9	5°54	23°40	10°13	11°43	17°37	10°51	29°19	0°34	3°11	29°29	S 20
M21	21 56 4	27°44'56	28°57	9°54	6°22	6°32	23°D40	10°19	11°47	17°R37	10°53	29°D18	0°31	3°18	29°26	M21
T 22	22 0 0	28°42'38	12♂45	10°32	7°36	7°10	23°40	10°25	11°50	17°37	10°55	29°19	0°28	3°25	29°23	T 22
W23	22 3 57	29°40'21	26° 7	11°16	8°49	7°48	23°40	10°31	11°54	17°37	10°57	29°R19	0°24	3°31	29°20	W23
T 24	22 7 53	0♂38'06	9♂ 7	12° 8	10° 2	8°27	23°40	10°37	11°57	17°37	10°59	29°19	0°21	3°38	29°17	T 24
F 25	22 11 50	1°35'52	21°47	13° 7	11°16	9° 5	23°41	10°43	12° 1	17°37	11° 1	29°17	0°18	3°45	29°13	F 25
S 26	22 15 46	2°33'40	4♂12	14°11	12°29	9°43	23°42	10°49	12° 4	17°37	11° 3	29°13	0°15	3°52	29°10	S 26
S 27	22 19 43	3°31'30	16°24	15°23	13°42	10°21	23°43	10°55	12° 8	17°37	11° 5	29° 6	0°12	3°58	29° 7	S 27
M28	22 23 39	4°29'21	28°28	16°40	14°56	10°59	23°44	11° 1	12°11	17°36	11° 7	28°58	0° 9	4° 5	29° 4	M28
T 29	22 27 36	5°27'14	10♂26	18° 3	16° 9	11°37	23°46	11° 6	12°15	17°36	11° 9	28°48	0° 5	4°12	29° 1	T 29
W30	22 31 33	6°25'08	22°19	19°31	17°23	12°15	23°47	11°12	12°18	17°36	11°11	28°38	0° 2	4°18	28°58	W30
T 31	22 35 29	7♂23'04	4♂10	21♂ 4	18♂37	12♂54	23♂49	11♂17	12♂22	17♂36	11♂13	28°Y28	29°Y59	4♂25	28°55	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	18n 6	24n42	5n 0	11n 7	4s49	22n25	0s26	14n38	1n 9	23s 1	0n17	22n22	0s48	18n 9	0n36	15n22
W 2	17 51	21 28	4 53	11 14	4 54	22 21	0 24	14 25	1 9	23 1	0 17	22 22	0 48	18 8	0 36	15 22
T 3	17 35	17 22	4 33	11 24	4 57	22 17	0 21	14 12	1 9	23 1	0 16	22 21	0 48	18 7	0 36	15 22
F 4	17 20	12 38	4 2	11 35	4 58	22 11	0 18	13 59	1 8	23 1	0 16	22 21	0 48	18 6	0 36	15 22
S 5	17 4	7 27	3 20	11 48	4 58	22 5	0 15	13 46	1 8	23 1	0 16	22 21	0 48	18 5	0 36	15 22
S 6	16 47	1 59	2 30	12 3	4 56	21 59	0 12	13 33	1 8	23 1	0 16	22 20	0 48	18 4	0 36	15 22
M 7	16 31	3s36	1 32	12 19	4 52	21 52	0 10	13 20	1 8	23 1	0 16	22 20	0 48	18 3	0 36	15 23
T 8	16 14	9 7	0 29	12 37	4 46	21 44	0 7	13 7	1 8	23 1	0 16	22 19	0 48	18 2	0 36	15 23
W 9	15 57	14 25	0s36	12 55	4 38	21 35	0 4	12 53	1 7	23 1	0 15	22 19	0 48	18 1	0 36	15 23
T 10	15 40	19 14	1 41	13 14	4 29	21 26	0 1	12 40	1 7	23 1	0 15	22 18	0 48	18 0	0 36	15 23
F 11	15 22	23 19	2 43	13 33	4 18	21 16	0n 1	12 26	1 7	23 1	0 15	22 18	0 48	17 59	0 36	15 23
S 12	15 5	26 18	3 38	13 53	4 6	21 6	0 4	12 13	1 7	23 1	0 15	22 18	0 48	17 58	0 36	15 23
S 13	14 47	27 47	4 22	14 12	3 53	20 55	0 7	11 59	1 7	23 1	0 15	22 17	0 48	17 57	0 37	15 23
M14	14 28	27 28	4 52	14 30	3 38	20 43	0 9	11 45	1 6	23 1	0 15	22 17	0 47	17 56	0 37	15 23
T 15	14 10	25 13	5 3	14 48	3 23	20 31	0 12	11 31	1 6	23 1	0 14	22 16	0 47	17 55	0 37	15 23
W16	13 51	21 9	4 53	15 5	3 7	20 19	0 15	11 17	1 6	23 1	0 14	22 16	0 47	17 54	0 37	15 23
T 17	13 32	15 39	4 22	15 21	2 50	20 5	0 17	11 3	1 6	23 2	0 14	22 15	0 47	17 53	0 37	15 23
F 18	13 13	9 11	3 33	15 35	2 33	19 51	0 20	10 49	1 6	23 2	0 14	22 15	0 47	17 52	0 37	15 23
S 19	12 54	2 17	2 29	15 48	2 16	19 37	0 22	10 35	1 5	23 2	0 14	22 15	0 47	17 51	0 37	15 23
S 20	12 34	4n36	1 17	15 59	1 58	19 22	0 25	10 21	1 5	23 2	0 14	22 14	0 47	17 50	0 37	15 23
M21	12 15	11 3	0 2	16 7	1 41	19 6	0 27	10 7	1 5	23 2	0 13	22 14	0 47	17 49	0 37	15 23
T 22	11 55	16 47	1n11	16 14	1 24	18 50	0 30	9 52	1 5	23 2	0 13	22 13	0 47	17 48	0 37	15 23
W23	11 35	21 30	2 18	16 18	1 7	18 33	0 32	9 38	1 5	23 3	0 13	22 13	0 47	17 47	0 37	15 23
T 24	11 14	25 1	3 16	16 20	0 51	18 16	0 35	9 23	1 4	23 3	0 13	22 12	0 47	17 47	0 37	15 22
F 25	10 54	27 12	4 3	16 19	0 35	17 58	0 37	9 9	1 4	23 3	0 13	22 12	0 47	17 46	0 37	15 22
S 26	10 33	27 58	4 37	16 15	0 19	17 40	0 39	8 54	1 4	23 3	0 13	22 11	0 47	17 45	0 37	15 22
S 27	10 12	27 20	4 58	16 8	0 4	17 21	0 42	8 40	1 4	23 3	0 12	22 11	0 47	17 44	0 37	15 22
M28	9 51	25 25	5 5	15 59	0n10	17 2	0 44	8 25	1 3	23 4	0 12	22 11	0 47	17 43	0 37	15 22
T 29	9 30	22 24	4 59	15 46	0 23	16 42	0 46	8 10	1 3	23 4	0 12	22 10	0 47	17 42	0 37	15 22
W30	9 9	18 28	4 40	15 30	0 35	16 22	0 48	7 56	1 3	23 4	0 12	22 10	0 47	17 41	0 37	15 22
T 31	8n47	13n50	4n 9	15n12	0n46	16n 2	0n50	7n41	1n 3	23s 4	0n12	22n 9	0s47	17n40	0n37	15n22

Julian Day Number = 2528092.5, Delta T = 172.66 sec
Ecliptic obliquity = 23°24'51, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°40'09, Lahiri = 26°47'10

ASTRODIENST EPHEMERIS for the year 2209
geocentric

SEPTEMBER 2209

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 39 26	8♐21'02	16♐ 0	22♏41	19♏50	13♐32	23♏51	11♏23	12♏25	17♏35	11♐15	28♏R20	29♐56	4♐32	28♏R52	F 1
S 2	22 43 22	9°19'01	27°51	24°22	21° 4	14°10	23°53	11°28	12°29	17♏35	11°17	28♐Y13	29°53	4°38	28♏49	S 2
S 3	22 47 19	10°17'01	9♏45	26° 6	22°18	14°48	23°56	11°33	12°32	17°35	11°19	28° 9	29°50	4°45	28°46	S 3
M 4	22 51 15	11°15'03	21°45	27°53	23°32	15°26	23°58	11°39	12°35	17°34	11°21	28° 7	29°46	4°52	28°43	M 4
T 5	22 55 12	12°13'06	3♐45	29°43	24°45	16° 5	24° 1	11°44	12°39	17°34	11°24	28°D 7	29°43	4°58	28°40	T 5
W 6	22 59 8	13°11'11	16°14	1♐35	25°59	16°43	24° 4	11°49	12°42	17°33	11°26	28° 8	29°40	5° 5	28°37	W 6
T 7	23 3 5	14° 9'17	28°51	3°28	27°13	17°21	24° 7	11°54	12°45	17°33	11°28	28°10	29°37	5°12	28°34	T 7
F 8	23 7 2	15° 7'25	11♏48	5°22	28°27	18° 0	24°10	11°59	12°49	17°32	11°30	28°R11	29°34	5°19	28°31	F 8
S 9	23 10 58	16° 5'34	25° 8	7°17	29°41	18°38	24°13	12° 4	12°52	17°31	11°32	28°10	29°30	5°25	28°28	S 9
S 10	23 14 55	17° 3'45	8♏56	9°13	0♐55	19°16	24°17	12° 8	12°55	17°31	11°34	28° 8	29°27	5°32	28°26	S 10
M11	23 18 51	18° 1'57	23°10	11° 9	2° 9	19°55	24°21	12°13	12°58	17°30	11°36	28° 5	29°24	5°39	28°23	M11
T 12	23 22 48	19° 0'10	7♏50	13° 5	3°23	20°33	24°25	12°18	13° 2	17°30	11°38	28° 0	29°21	5°45	28°20	T 12
W13	23 26 44	19°58'25	22°50	15° 1	4°37	21°11	24°29	12°22	13° 5	17°29	11°40	27°54	29°18	5°52	28°17	W13
T 14	23 30 41	20°56'41	8♐ 2	16°56	5°51	21°50	24°33	12°26	13° 8	17°28	11°42	27°49	29°15	5°59	28°14	T 14
F 15	23 34 37	21°54'59	23°16	18°51	7° 5	22°28	24°38	12°31	13°11	17°27	11°44	27°44	29°11	6° 5	28°12	F 15
S 16	23 38 34	22°53'19	8♐22	20°45	8°20	23° 6	24°42	12°35	13°14	17°26	11°46	27°42	29° 8	6°12	28° 9	S 16
S 17	23 42 31	23°51'41	23°10	22°38	9°34	23°45	24°47	12°39	13°17	17°26	11°48	27°D40	29° 5	6°19	28° 6	S 17
M18	23 46 27	24°50'05	7♏35	24°31	10°48	24°23	24°52	12°43	13°20	17°25	11°50	27°41	29° 2	6°26	28° 4	M18
T 19	23 50 24	25°48'31	21°32	26°22	12° 2	25° 2	24°57	12°47	13°23	17°24	11°52	27°42	28°59	6°32	28° 1	T 19
W20	23 54 20	26°46'59	5♐ 3	28°13	13°17	25°40	25° 2	12°51	13°26	17°23	11°54	27°43	28°56	6°39	27°58	W20
T 21	23 58 17	27°45'29	18° 7	0♏ 2	14°31	26°19	25° 8	12°55	13°29	17°22	11°56	27°45	28°52	6°46	27°56	T 21
F 22	0 2 13	28°44'02	0♏50	1°51	15°45	26°57	25°13	12°59	13°32	17°21	11°58	27°R45	28°49	6°52	27°53	F 22
S 23	0 6 10	29°42'37	13°14	3°39	17° 0	27°36	25°19	13° 2	13°35	17°20	12° 0	27°44	28°46	6°59	27°51	S 23
S 24	0 10 6	0♏41'14	25°24	5°25	18°14	28°14	25°25	13° 6	13°37	17°19	12° 2	27°42	28°43	7° 6	27°48	S 24
M25	0 14 3	1°39'53	7♏23	7°11	19°29	28°53	25°31	13° 9	13°40	17°18	12° 4	27°39	28°40	7°12	27°46	M25
T 26	0 18 0	2°38'34	19°17	8°56	20°43	29°31	25°37	13°13	13°43	17°17	12° 6	27°35	28°36	7°19	27°44	T 26
W27	0 21 56	3°37'17	1♐ 7	10°39	21°58	0♏10	25°44	13°16	13°46	17°16	12° 8	27°31	28°33	7°26	27°41	W27
T 28	0 25 53	4°36'02	12°58	12°22	23°12	0°49	25°50	13°19	13°48	17°15	12°10	27°27	28°30	7°32	27°39	T 28
F 29	0 29 49	5°34'49	24°50	14° 4	24°27	1°27	25°57	13°22	13°51	17°14	12°12	27°23	28°27	7°39	27°37	F 29
S 30	0 33 46	6♏33'39	6♏47	15♏44	25♐42	2♏ 6	26♏ 4	13♏25	13♏54	17♏12	12♐14	27♐Y21	28♐Y24	7♐46	27♏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
F 1	8n26	8n42	3n27	14n50	0n57	15n41	0n52	7n26	1n 2	23s 5	0n12	22n 9	0s47	17n39	0n37	15n22	1s46	18n55	12n34	10n52	11n26	13n47	5s42	6n34	
S 2	8 4	3 14	2 36	14 26	1 6	15 19	0 54	7 11	1 2	23 5	0 12	22 8	0 47	17 38	0 37	15 21	1 46	18 55	12 34	10 50	11 25	13 44	5 43	6 34	
S 3	7 42	2s22	1 38	13 58	1 14	14 57	0 56	6 56	1 2	23 5	0 11	22 8	0 47	17 37	0 37	15 21	1 46	18 54	12 34	10 48	11 24	13 41	5 44	6 33	
M 4	7 20	7 56	0 34	13 29	1 22	14 35	0 58	6 41	1 2	23 5	0 11	22 7	0 47	17 36	0 37	15 21	1 46	18 53	12 34	10 48	11 23	13 38	5 45	6 33	
T 5	6 58	13 17	0s31	12 56	1 28	14 12	1 0	6 26	1 1	23 6	0 11	22 7	0 47	17 35	0 37	15 21	1 47	18 52	12 34	10 48	11 22	13 35	5 46	6 33	
W 6	6 36	18 13	1 37	12 22	1 34	13 49	1 2	6 11	1 1	23 6	0 11	22 7	0 47	17 34	0 37	15 21	1 47	18 52	12 34	10 48	11 21	13 32	5 47	6 33	
T 7	6 14	22 28	2 39	11 45	1 38	13 25	1 3	5 56	1 1	23 6	0 11	22 6	0 47	17 33	0 37	15 20	1 47	18 51	12 34	10 49	11 19	13 29	5 49	6 33	
F 8	5 51	25 43	3 34	11 7	1 42	13 1	1 5	5 40	1 1	23 7	0 11	22 6	0 47	17 32	0 37	15 20	1 47	18 50	12 34	10 49	11 18	13 26	5 50	6 33	
S 9	5 29	27 40	4 20	10 26	1 44	12 37	1 7	5 25	1 0	23 7	0 11	22 5	0 47	17 31	0 37	15 20	1 47	18 49	12 34	10 49	11 17	13 23	5 51	6 32	
S 10	5 6	27 59	4 53	9 45	1 46	12 12	1 8	5 10	1 0	23 7	0 10	22 5	0 47	17 31	0 37	15 20	1 47	18 49	12 35	10 48	11 16	13 20	5 52	6 32	
M11	4 44	26 30	5 9	9 2	1 47	11 47	1 10	4 55	1 0	23 7	0 10	22 5	0 47	17 30	0 37	15 20	1 47	18 48	12 35	10 47	11 15	13 18	5 53	6 32	
T 12	4 21	23 13	5 6	8 18	1 48	11 22	1 11	4 39	1 0	23 8	0 10	22 4	0 47	17 29	0 37	15 19	1 47	18 47	12 35	10 45	11 14	13 15	5 54	6 32	
W13	3 58	18 19	4 42	7 33	1 47	10 56	1 13	4 24	0 59	23 8	0 10	22 4	0 47	17 28	0 37	15 19	1 47	18 47	12 35	10 43	11 13	13 12	5 56	6 32	
T 14	3 35	12 13	3 58	6 47	1 46	10 30	1 14	4 9	0 59	23 8	0 10	22 3	0 47	17 27	0 37	15 19	1 47	18 46	12 35	10 41	11 12	13 9	5 57	6 31	
F 15	3 12	5 22	2 56	6 1	1 44	10 4	1 15	3 53	0 59	23 9	0 10	22 3	0 47	17 26	0 37	15 19	1 47	18 45	12 35	10 40	11 10	13 6	5 58	6 31	
S 16	2 49	1n44	1 43	5 14	1 42	9 37	1 16	3 38	0 59	23 9	0 9	22 3	0 47	17 25	0 37	15 18	1 47	18 45	12 35	10 39	11 9	13 3	5 59	6 31	
S 17	2 26	8 37	0 25	4 26	1 39	9 10	1 17	3 22	0 58	23 9	0 9	22 2	0 47	17 25	0 37	15 18	1 47	18 44	12 35	10 38	11 8	13 0	6 0	6 31	
M18	2 3	14 52	0n54	3 39	1 36	8 43	1 19	3 7	0 58	23 10	0 9	22 2	0 47	17 24	0 37	15 18	1 47	18 43	12 36	10 38	11 7	12 57	6 1	6 30	
T 19	1 40	20 10	2 7	2 51	1 32	8 16	1 20	2 51	0 58	23 10	0 9	22 1	0 47	17 23	0 37	15 17	1 47	18 43	12 36	10 39	11 6	12 54	6 2	6 30	
W20	1 17	24 14	3 10	2 3	1 28	7 48	1 21	2 36	0 57	23 10	0 9	22 1	0 47	17 22	0 37	15 17	1 47	18 42	12 36	10 39	11 5	12 51	6 3	6 30	
T 21	0 53	26 54	4 2	1 16	1 24	7 20	1 21	2 20	0 57	23 11	0 9	22 1	0 47	17 21	0 37	15 17	1 47	18 41	12 36	10 40	11 4	12 48	6 5	6 30	
F 22	0 30	28 4	4 40	0 28	1 19	6 52	1 22	2 5	0 57	23 11	0 9	22 0	0 47	17 20	0 37	15 17	1 47	18 41	12 36	10 40	11 3	12 45	6 6	6 29	
S 23	0 7	27 47	5 3	0s19	1 14	6 24	1 23	1 49	0 57	23 11	0 9	22 0	0 47	17 20	0 37	15 16	1 47	18 40	12 36	10 39	11 1	12 42	6 7	6 29	
S 24	0s16	26 10	5 13	1 7	1 8	5 56	1 24	1 34	0 56	23 12	0 8	22 0	0 47	17 19	0 37	15 16	1 48	18 39	12 37	10 39	11 0	12 39	6 8	6 29	
M25	0 40	23 23	5 9	1 54	1 2	5 27	1 24	1 18	0 56	23 12	0 8	21 59	0 47	17 18	0 37	15 16	1 48	18 39	12 37	10 38	10 59	12 36	6 9	6 29	
T 26	1 3	19 38	4 51	2 40	0 56	4 58	1 25	1 2	0 56	23 12	0 8	21 59	0 47	17 17	0 37	15 15	1 48	18 38	12 37	10 36	10 58	12 33	6 10	6 28	
W27	1 26	15 8	4 21	3 27	0 50	4 29	1 25	0 47	0 55	23 13	0 8	21 59	0 47	17 17	0 37	15 15	1 48	18 38	12 37	10 35	10 57	12 30	6 11	6 28	
T 28	1 10	10 5	3 40	4 12	0 44	4 0	1 26	0 31	0 55	23 13	0 8	21 58	0 47	17 16	0 37	15 15	1 48	18 37	12 37	10 33	10 56	12 27	6 12	6 28	
F 29	2 13	4 39	2 49	4 58	0 37	3 31	1 26	0 16	0 55	23 13	0 8	21 58	0 47	17 15	0 38	15 14	1 48	18 37	12 38	10 32	10 55	12 24	6 13	6 27	
S 30	2s36	1s 0	1n51	5s43	0n31	3n 2	1n26	0s 0	0n54	23s14	0n 8	21n58	0s47	17n14	0n38	15n14	1s48	18n36	12n38	10n31	10n54	12n20	6s14	6n27	

ASTRODIENST EPHEMERIS for the year 2209

geocentric

OCTOBER 2209

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 37 42	7♂32'30	18♂50	17♂24	26♂56	2♂45	26♂11	13♂28	13♂56	17♂11	12♂16	27♂20	28♂21	7♂53	27♂33	S 1
M 2	0 41 39	8°31'23	1♂ 0	19° 3	28°11	3°23	26°18	13°31	13°59	17♂10	12°18	27°D19	28°17	7°59	27°31	M 2
T 3	0 45 35	9°30'18	13°21	20°41	29°26	4° 2	26°25	13°33	14° 1	17° 9	12°20	27°Y20	28°14	8° 6	27°28	T 3
W 4	0 49 32	10°29'15	25°53	22°18	0♂40	4°41	26°32	13°36	14° 4	17° 8	12°21	27°21	28°11	8°13	27°27	W 4
T 5	0 53 28	11°28'14	8♂39	23°54	1°55	5°19	26°40	13°38	14° 6	17° 6	12°23	27°23	28° 8	8°19	27°25	T 5
F 6	0 57 25	12°27'15	21°42	25°30	3°10	5°58	26°48	13°40	14° 8	17° 5	12°25	27°24	28° 5	8°26	27°23	F 6
S 7	1 1 22	13°26'18	5♂ 3	27° 4	4°25	6°37	26°55	13°43	14°11	17° 4	12°27	27°25	28° 1	8°33	27°21	S 7
S 8	1 5 18	14°25'22	18°45	28°38	5°40	7°16	27° 3	13°45	14°13	17° 2	12°29	27°R25	27°58	8°39	27°19	S 8
M 9	1 9 15	15°24'28	2♂47	0♂11	6°54	7°55	27°11	13°47	14°15	17° 1	12°31	27°24	27°55	8°46	27°17	M 9
T 10	1 13 11	16°23'36	17°10	1°43	8° 9	8°34	27°20	13°49	14°17	16°59	12°32	27°23	27°52	8°53	27°16	T 10
W11	1 17 8	17°22'45	1♂49	3°14	9°24	9°12	27°28	13°50	14°19	16°58	12°34	27°22	27°49	8°59	27°14	W11
T 12	1 21 4	18°21'56	16°41	4°45	10°39	9°51	27°37	13°52	14°21	16°57	12°36	27°21	27°46	9° 6	27°12	T 12
F 13	1 25 1	19°21'09	1°Y37	6°15	11°54	10°30	27°45	13°54	14°24	16°55	12°38	27°20	27°42	9°13	27°11	F 13
S 14	1 28 57	20°20'24	16°30	7°44	13° 9	11° 9	27°54	13°55	14°26	16°54	12°39	27°20	27°39	9°20	27° 9	S 14
S 15	1 32 54	21°19'41	1♂12	9°12	14°24	11°48	28° 3	13°57	14°27	16°52	12°41	27°D20	27°36	9°26	27° 8	S 15
M16	1 36 51	22°19'00	15°36	10°39	15°39	12°27	28°12	13°58	14°29	16°51	12°43	27°20	27°33	9°33	27° 7	M16
T 17	1 40 47	23°18'21	29°37	12° 6	16°54	13° 6	28°21	13°59	14°31	16°49	12°44	27°20	27°30	9°40	27° 5	T 17
W18	1 44 44	24°17'44	13♂14	13°31	18° 9	13°45	28°30	14° 0	14°33	16°48	12°46	27°20	27°27	9°46	27° 4	W18
T 19	1 48 40	25°17'10	26°25	14°56	19°24	14°24	28°39	14° 1	14°35	16°46	12°48	27°21	27°23	9°53	27° 3	T 19
F 20	1 52 37	26°16'38	9♂12	16°20	20°39	15° 3	28°49	14° 2	14°37	16°45	12°49	27°21	27°20	10° 0	27° 2	F 20
S 21	1 56 33	27°16'08	21°40	17°43	21°54	15°42	28°58	14° 2	14°38	16°43	12°51	27°21	27°17	10° 6	27° 1	S 21
S 22	2 0 30	28°15'41	3♂51	19° 5	23° 9	16°21	29° 8	14° 3	14°40	16°42	12°52	27°21	27°14	10°13	27° 0	S 22
M23	2 4 26	29°15'16	15°51	20°27	24°24	17° 1	29°18	14° 4	14°41	16°40	12°54	27°21	27°11	10°20	26°59	M23
T 24	2 8 23	0♂14'53	27°43	21°47	25°39	17°40	29°28	14° 4	14°43	16°38	12°55	27°21	27° 7	10°26	26°58	T 24
W25	2 12 20	1°14'32	9♂33	23° 6	26°54	18°19	29°38	14° 4	14°44	16°37	12°57	27°22	27° 4	10°33	26°57	W25
T 26	2 16 16	2°14'13	21°24	24°23	28° 9	18°58	29°48	14° 4	14°46	16°35	12°58	27°22	27° 1	10°40	26°56	T 26
F 27	2 20 13	3°13'57	3♂21	25°40	29°25	19°37	29°58	14°R 4	14°47	16°34	13° 0	27°23	26°58	10°46	26°56	F 27
S 28	2 24 9	4°13'43	15°25	26°55	0♂40	20°17	0♂ 8	14° 4	14°49	16°32	13° 1	27°23	26°55	10°53	26°55	S 28
S 29	2 28 6	5°13'30	27°39	28° 9	1°55	20°56	0°19	14° 4	14°50	16°30	13° 3	27°R23	26°52	11° 0	26°55	S 29
M30	2 32 2	6°13'20	10♂ 5	29°21	3°10	21°35	0°29	14° 4	14°51	16°29	13° 4	27°23	26°48	11° 6	26°54	M30
T 31	2 35 59	7♂13'12	22♂44	0♂31	4♂25	22♂14	0♂40	14♂ 3	14♂52	16♂27	13♂ 6	27°Y22	26°Y45	11♂13	26°54	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	2s59	6s39	0n47	6s27	0n24	2n32	1n27	0s16	0n54	23s14	0n 7	21n58	0s47	17n14	0n38	15n13
M 2	3 23	12 8	0s20	7 11	0 17	2 3	1 27	0 31	0 54	23 14	0 7	21 57	0 47	17 13	0 38	15 13
T 3	3 46	17 13	1 27	7 55	0 10	1 33	1 27	0 47	0 53	23 15	0 7	21 57	0 47	17 12	0 38	15 13
W 4	4 9	21 39	2 31	8 37	0 3	1 4	1 27	1 3	0 53	23 15	0 7	21 57	0 47	17 12	0 38	15 12
T 5	4 32	25 10	3 29	9 20	0s 4	0 34	1 27	1 18	0 53	23 15	0 7	21 57	0 47	17 11	0 38	15 12
F 6	4 55	27 26	4 17	10 1	0 11	0 4	1 27	1 34	0 52	23 16	0 7	21 56	0 47	17 10	0 38	15 11
S 7	5 18	28 12	4 53	10 42	0 18	0s26	1 27	1 50	0 52	23 16	0 7	21 56	0 47	17 10	0 38	15 11
S 8	5 41	27 16	5 13	11 22	0 25	0 55	1 26	2 5	0 52	23 16	0 7	21 56	0 47	17 9	0 38	15 11
M 9	6 4	24 38	5 15	12 2	0 32	1 25	1 26	2 21	0 51	23 17	0 6	21 56	0 47	17 8	0 38	15 10
T 10	6 26	20 24	4 58	12 41	0 39	1 55	1 26	2 36	0 51	23 17	0 6	21 56	0 47	17 8	0 38	15 10
W11	6 49	14 53	4 21	13 19	0 47	2 25	1 25	2 52	0 51	23 17	0 6	21 55	0 47	17 7	0 38	15 9
T 12	7 12	8 26	3 27	13 56	0 54	2 55	1 25	3 8	0 50	23 17	0 6	21 55	0 47	17 7	0 38	15 9
F 13	7 34	1 28	2 18	14 33	1 1	3 24	1 24	3 23	0 50	23 18	0 6	21 55	0 47	17 6	0 38	15 9
S 14	7 56	5n34	1 0	15 8	1 8	3 54	1 24	3 39	0 50	23 18	0 6	21 55	0 47	17 6	0 38	15 8
S 15	8 19	12 13	0n21	15 43	1 14	4 24	1 23	3 54	0 49	23 18	0 6	21 55	0 47	17 5	0 38	15 8
M16	8 41	18 5	1 40	16 17	1 21	4 53	1 22	4 10	0 49	23 19	0 6	21 55	0 47	17 5	0 38	15 7
T 17	9 3	22 49	2 50	16 51	1 28	5 23	1 21	4 25	0 49	23 19	0 5	21 55	0 47	17 4	0 38	15 7
W18	9 25	26 8	3 48	17 23	1 35	5 52	1 20	4 41	0 48	23 19	0 5	21 54	0 47	17 4	0 38	15 6
T 19	9 46	27 54	4 32	17 55	1 41	6 21	1 19	4 56	0 48	23 19	0 5	21 54	0 47	17 3	0 38	15 6
F 20	10 8	28 7	5 2	18 25	1 47	6 50	1 19	5 12	0 48	23 19	0 5	21 54	0 47	17 3	0 38	15 5
S 21	10 29	26 52	5 16	18 55	1 53	7 19	1 17	5 27	0 47	23 20	0 5	21 54	0 47	17 2	0 38	15 5
S 22	10 51	24 22	5 15	19 23	1 59	7 48	1 16	5 42	0 47	23 20	0 5	21 54	0 47	17 2	0 38	15 4
M23	11 12	20 51	5 1	19 51	2 5	8 17	1 15	5 58	0 46	23 20	0 5	21 54	0 47	17 1	0 38	15 4
T 24	11 33	16 32	4 34	20 18	2 11	8 45	1 14	6 13	0 46	23 20	0 5	21 54	0 47	17 1	0 38	15 4
W25	11 54	11 37	3 55	20 43	2 16	9 14	1 13	6 28	0 46	23 20	0 5	21 54	0 46	17 0	0 38	15 3
T 26	12 14	6 16	3 7	21 8	2 21	9 42	1 11	6 43	0 45	23 20	0 4	21 54	0 46	17 0	0 39	15 3
F 27	12 35	0 39	2 10	21 31	2 26	10 10	1 10	6 59	0 45	23 21	0 4	21 54	0 46	17 0	0 39	15 2
S 28	12 55	5s 3	1 6	21 53	2 31	10 37	1 8	7 14	0 45	23 21	0 4	21 54	0 46	16 59	0 39	15 2
S 29	13 15	10 39	0s 1	22 14	2 35	11 5	1 7	7 29	0 44	23 21	0 4	21 54	0 46	16 59	0 39	15 1
M30	13 35	15 56	1 10	22 34	2 39	11 32	1 5	7 44	0 44	23 21	0 4	21 54	0 46	16 59	0 39	15 1
T 31	13s54	20s37	2s16	22s53	2s42	11s59	1n 4	7s59	0n43	23s21	0n 4	21n54	0s46	16n58	0n39	15n 0

Julian Day Number = 2528153.5, Delta T = 172.84 sec
 Ecliptic obliquity = 23°24'52, Nutation = - 0°00'09, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°40'17, Lahiri = 26°47'18

ASTRODIENST EPHEMERIS for the year 2209

geocentric

NOVEMBER 2209

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 39 55	8♈13'06	5♊36	1♊39	5♈40	22♈54	0♈51	14°R 3	14♈53	16°R25	13♈7	27°R21	26°V42	11♈20	26°R53	W 1
T 2	2 43 52	9°13'01	18°42	2°45	6°56	23°33	1°2	14°28 2	14°54	16°R24	13°8	27°V20	26°39	11°27	26°R53	T 2
F 3	2 47 49	10°12'58	2°3	3°49	8°11	24°13	1°13	14°1	14°55	16°22	13°10	27°18	26°36	11°33	26°53	F 3
S 4	2 51 45	11°12'57	15°34	4°49	9°26	24°52	1°24	14°1	14°56	16°20	13°11	27°16	26°33	11°40	26°52	S 4
S 5	2 55 42	12°12'58	29°19	5°47	10°41	25°31	1°35	14°0	14°57	16°19	13°12	27°15	26°29	11°47	26°52	S 5
M 6	2 59 38	13°13'00	13°18	6°42	11°57	26°11	1°46	13°58	14°58	16°17	13°13	27°D15	26°26	11°53	26°D52	M 6
T 7	3 3 35	14°13'04	27°27	7°33	13°12	26°50	1°57	13°57	14°59	16°15	13°14	27°15	26°23	12°0	26°52	T 7
W 8	3 7 31	15°13'09	11°46	8°19	14°27	27°30	2°9	13°56	15°0	16°13	13°16	27°16	26°20	12°7	26°52	W 8
T 9	3 11 28	16°13'15	26°11	9°1	15°42	28°9	2°20	13°55	15°0	16°12	13°17	27°18	26°17	12°13	26°53	T 9
F 10	3 15 24	17°13'23	10°V40	9°38	16°58	28°49	2°31	13°53	15°1	16°10	13°18	27°19	26°13	12°20	26°53	F 10
S 11	3 19 21	18°13'33	25°8	10°9	18°13	29°29	2°43	13°51	15°1	16°8	13°19	27°R19	26°10	12°27	26°53	S 11
S 12	3 23 18	19°13'44	9♊29	10°34	19°28	0♈8	2°55	13°50	15°2	16°7	13°20	27°19	26°7	12°33	26°53	S 12
M13	3 27 14	20°13'57	23°38	10°51	20°43	0°48	3°7	13°48	15°2	16°5	13°21	27°17	26°4	12°40	26°54	M13
T 14	3 31 11	21°14'12	7♈31	11°1	21°59	1°28	3°18	13°46	15°3	16°3	13°22	27°15	26°1	12°47	26°54	T 14
W15	3 35 7	22°14'29	21°4	11°R 2	23°14	2°7	3°30	13°44	15°3	16°2	13°23	27°11	25°58	12°53	26°55	W15
T 16	3 39 4	23°14'48	4♈15	10°54	24°29	2°47	3°42	13°42	15°3	16°0	13°24	27°7	25°54	13°0	26°55	T 16
F 17	3 43 0	24°15'09	17°6	10°37	25°45	3°27	3°54	13°39	15°4	15°58	13°25	27°3	25°51	13°7	26°56	F 17
S 18	3 46 57	25°15'31	29°36	10°9	27°0	4°6	4°7	13°37	15°4	15°57	13°26	26°59	25°48	13°13	26°57	S 18
S 19	3 50 53	26°15'55	11♈29	9°31	28°15	4°46	4°19	13°35	15°4	15°55	13°27	26°57	25°45	13°20	26°57	S 19
M20	3 54 50	27°16'21	23°50	8°43	29°31	5°26	4°31	13°32	15°4	15°53	13°28	26°D56	25°42	13°27	26°58	M20
T 21	3 58 47	28°16'49	5♈43	7°46	0♈46	6°6	4°43	13°29	15°R 4	15°52	13°28	26°56	25°39	13°34	26°59	T 21
W22	4 2 43	29°17'19	17°33	6°39	2°1	6°46	4°56	13°27	15°4	15°50	13°29	26°57	25°35	13°40	27°0	W22
T 23	4 6 40	0♈17'51	29°24	5°26	3°17	7°26	5°8	13°24	15°4	15°48	13°30	26°59	25°32	13°47	27°1	T 23
F 24	4 10 36	1°18'24	11♈23	4°7	4°32	8°6	5°21	13°21	15°4	15°47	13°31	27°1	25°29	13°54	27°2	F 24
S 25	4 14 33	2°18'59	23°33	2°46	5°47	8°46	5°33	13°18	15°4	15°45	13°31	27°R 2	25°26	14°0	27°3	S 25
S 26	4 18 29	3°19'35	5♈57	1°25	7°3	9°26	5°46	13°15	15°3	15°44	13°32	27°1	25°23	14°7	27°4	S 26
M27	4 22 26	4°20'14	18°37	0°6	8°18	10°6	5°59	13°11	15°3	15°42	13°33	26°59	25°19	14°14	27°6	M27
T 28	4 26 22	5°20'54	1♈36	28♈53	9°34	10°46	6°12	13°8	15°3	15°40	13°33	26°55	25°16	14°20	27°7	T 28
W29	4 30 19	6°21'35	14°52	27°47	10°49	11°26	6°25	13°5	15°2	15°39	13°34	26°50	25°13	14°27	27°8	W29
T 30	4 34 16	7♈22'18	28♈25	26♈50	12♈4	12♈6	6°37	13°28	15°2	15°43	13°34	26°V43	25°V10	14°34	27°10	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	decl	lat
W 1	14s14	24s26	3s16	23s10	2s45	12s25	1n 2	8s14	0n43	23s21	0n 4	21n54	0s46	16n58	0n39	15n 0	1s49	18n24	12n47	10n31	10n17	10n42	6s40	6n14					
T 2	14 33	27 2	4 7	23 26	2 48	12 52	1 1	8 29	0 43	23 21	0 4	21 54	0 46	16 58	0 39	14 59	1 49	18 24	12 48	10 31	10 16	10 39	6 40	6 14					
F 3	14 52	28 10	4 46	23 40	2 50	13 17	0 59	8 44	0 42	23 21	0 4	21 55	0 46	16 58	0 39	14 59	1 49	18 24	12 48	10 30	10 15	10 36	6 41	6 14					
S 4	15 11	27 38	5 10	23 53	2 51	13 43	0 57	8 58	0 42	23 21	0 3	21 55	0 46	16 57	0 39	14 58	1 49	18 24	12 49	10 29	10 14	10 32	6 41	6 13					
S 5	15 29	25 25	5 16	24 4	2 52	14 8	0 55	9 13	0 41	23 21	0 3	21 55	0 46	16 57	0 39	14 58	1 49	18 24	12 49	10 29	10 13	10 29	6 42	6 13					
M 6	15 47	21 40	5 4	24 14	2 52	14 33	0 53	9 28	0 41	23 21	0 3	21 55	0 46	16 57	0 39	14 57	1 49	18 24	12 49	10 29	10 11	10 26	6 42	6 12					
T 7	16 5	16 37	4 33	24 22	2 52	14 58	0 51	9 42	0 40	23 21	0 3	21 55	0 46	16 57	0 39	14 57	1 49	18 23	12 50	10 29	10 10	10 23	6 43	6 12					
W 8	16 23	10 37	3 46	24 29	2 51	15 22	0 50	9 57	0 40	23 21	0 3	21 55	0 46	16 57	0 39	14 56	1 49	18 23	12 50	10 29	10 9	10 20	6 43	6 11					
T 9	16 40	4 1	2 43	24 33	2 49	15 46	0 48	10 11	0 40	23 21	0 3	21 55	0 46	16 56	0 39	14 56	1 49	18 23	12 51	10 30	10 8	10 17	6 43	6 11					
F 10	16 58	2n50	1 31	24 36	2 46	16 9	0 46	10 26	0 39	23 21	0 3	21 56	0 46	16 56	0 39	14 55	1 49	18 23	12 51	10 30	10 7	10 14	6 44	6 11					
S 11	17 14	9 32	0 12	24 37	2 42	16 32	0 44	10 40	0 39	23 20	0 3	21 56	0 46	16 56	0 39	14 55	1 49	18 23	12 52	10 31	10 6	10 10	6 44	6 10					
S 12	17 31	15 41	1n 6	24 35	2 36	16 55	0 41	10 55	0 38	23 20	0 3	21 56	0 46	16 56	0 39	14 54	1 49	18 23	12 52	10 30	10 4	10 7	6 44	6 10					
M13	17 47	20 55	2 20	24 31	2 30	17 17	0 39	11 9	0 38	23 20	0 3	21 56	0 46	16 56	0 39	14 54	1 49	18 23	12 52	10 30	10 3	10 4	6 45	6 9					
T 14	18 3	24 53	3 23	24 25	2 22	17 39	0 37	11 23	0 37	23 20	0 2	21 56	0 46	16 56	0 39	14 54	1 49	18 23	12 53	10 29	10 2	10 1	6 45	6 9					
W15	18 19	27 20	4 14	24 16	2 13	18 0	0 35	11 37	0 37	23 20	0 2	21 57	0 46	16 56	0 39	14 53	1 49	18 23	12 53	10 28	10 1	9 58	6 45	6 8					
T 16	18 34	28 10	4 49	24 4	2 2	18 21	0 33	11 51	0 37	23 20	0 2	21 57	0 46	16 56	0 39	14 53	1 49	18 23	12 54	10 26	10 0	9 55	6 45	6 8					
F 17	18 49	27 25	5 9	23 50	1 50	18 41	0 31	12 5	0 36	23 19	0 2	21 57	0 46	16 56	0 39	14 52	1 49	18 23	12 54	10 25	9 59	9 51	6 46	6 7					
S 18	19 4	25 19	5 13	23 32	1 36	19 0	0 28	12 19	0 36	23 19	0 2	21 57	0 46	16 56	0 39	14 52	1 49	18 23	12 54	10 23	9 58	9 48	6 46	6 7					
S 19	19 18	22 4	5 3	23 11	1 21	19 20	0 26	12 33	0 35	23 19	0 2	21 58	0 46	16 56	0 40	14 51	1 49	18 23	12 55	10 22	9 56	9 45	6 46	6 7					
M20	19 32	17 57	4 40	22 47	1 4	19 38	0 24	12 46	0 35	23 18	0 2	21 58	0 46	16 56	0 40	14 51	1 49	18 23	12 55	10 22	9 55	9 42	6 46	6 6					
T 21	19 45	13 12	4 5	22 20	0 45	19 56	0 22	13 0	0 34	23 18	0 2	21 58	0 46	16 56	0 40	14 50	1 48	18 24	12 56	10 22	9 54	9 39	6 46	6 6					
W22	19 59	7 58	3 19	21 49	0 26	20 14	0 19	13 14	0 34	23 18	0 2	21 59	0 46	16 56	0 40	14 50	1 48	18 24	12 56	10 23	9 53	9 36	6 46	6 5					
T 23	20 12	2 27	2 25	21 17	0 6	20 31	0 17	13 27	0 33	23 17	0 2	21 59	0 46	16 56	0 40	14 49	1 48	18 24	12 57	10 23	9 52	9 32	6 46	6 5					
F 24	20 24	3s12	1 24	20 42	0n15	20 47	0 14	13 40	0 33	23 17	0 1	21 59	0 46	16 56	0 40	14 49	1 48	18 24	12 57	10 24	9 51	9 29	6 46	6 4					
S 25	20 36	8 50	0 19	20 7	0 35	21 3	0 12	13 54	0 32	23 17	0 1	22 0	0 46	16 56	0 40	14 48	1 48	18 24	12 58	10 24	9 49	9 26	6 46	6 4					
S 26	20 48	14 15	0s48	19 31	0 55	21 18	0 10	14 7	0 32	23 16	0 1	22 0	0 46	16 56	0 40	14 48	1 48	18 24	12 58	10 24	9 48	9 23	6 46	6 4					
M27	20 59	19 11	1 55	18 57	1 14	21 33	0 7	14 20	0 31	23 16	0 1	22 0	0 46	16 56	0 40	14 48	1 48	18 24	12 59	10 23	9 47	9 20	6 46	6 3					
T 28	21 10	23 21	2 57	18 24	1 31	21 47	0 5	14 33	0 31	23 15	0 1	22 1	0 46	16 56	0 40	14 47	1 48	18 25	12 59	10 22	9 46	9 16	6 46	6 3					
W29	21 21	26 22	3 50	17 54	1 47	22 0	0 3	14 46	0 30	23 15	0 1	22 1	0 46	16 57	0 40	14 47	1 48	18 25	12 59	10 20	9 45	9 13	6 46	6 2					
T 30	21s31	27s57	4s32	17s28	2n 0	22s13	0n 0	14s58	0n30	23s14	0n 1	22n 1	0s46	16n57	0n40	14n46	1s48	18n25	13n 0	10n17	9n44	9n10	6s46	6n14					

ASTRODIENST EPHEMERIS for the year 2209
geocentric

DECEMBER 2209

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	4 38 12	8♂23°01	12♂11	26°R 4	13♂20	12♌46	6♂50	12°R58	15°R 1	15°R36	13♎35	26°R36	25♎7	14♎40	27♎11	F 1
S 2	4 42 9	9°23'47	26° 6	25♌29	14°35	13°26	7° 3	12♎54	15♎1	15♎34	13°35	26♎29	25° 4	14°47	27°13	S 2
S 3	4 46 5	10°24'33	10♎9	25° 6	15°50	14° 6	7°16	12°50	15° 0	15°33	13°36	26°24	25° 0	14°54	27°15	S 3
M 4	4 50 2	11°25'20	24°16	24°54	17° 6	14°46	7°30	12°46	14°59	15°31	13°36	26°20	24°57	15° 0	27°16	M 4
T 5	4 53 58	12°26'07	8♂23	24°D53	18°21	15°27	7°43	12°43	14°59	15°30	13°36	26°D19	24°54	15° 7	27°18	T 5
W 6	4 57 55	13°26'56	22°31	25° 3	19°37	16° 7	7°56	12°39	14°58	15°28	13°37	26°19	24°51	15°14	27°20	W 6
T 7	5 1 52	14°27'46	6♎37	25°22	20°52	16°47	8° 9	12°35	14°57	15°27	13°37	26°20	24°48	15°20	27°22	T 7
F 8	5 5 48	15°28'36	20°41	25°50	22° 7	17°27	8°22	12°30	14°56	15°26	13°37	26°R21	24°45	15°27	27°24	F 8
S 9	5 9 45	16°29'27	4♂40	26°26	23°23	18° 8	8°36	12°26	14°55	15°24	13°38	26°21	24°41	15°34	27°26	S 9
S 10	5 13 41	17°30'19	18°33	27° 8	24°38	18°48	8°49	12°22	14°54	15°23	13°38	26°19	24°38	15°40	27°28	S 10
M 11	5 17 38	18°31'12	2♌17	27°57	25°54	19°29	9° 2	12°18	14°53	15°21	13°38	26°14	24°35	15°47	27°30	M 11
T 12	5 21 34	19°32'06	15°50	28°52	27° 9	20° 9	9°16	12°14	14°52	15°20	13°38	26° 7	24°32	15°54	27°32	T 12
W 13	5 25 31	20°33'01	29° 8	29°51	28°24	20°49	9°29	12° 9	14°51	15°19	13°38	25°58	24°29	16° 0	27°34	W 13
T 14	5 29 27	21°33'57	12♎11	0♂54	29°40	21°30	9°43	12° 5	14°49	15°17	13°38	25°47	24°25	16° 7	27°36	T 14
F 15	5 33 24	22°34'54	24°56	2° 1	0♂55	22°10	9°56	12° 0	14°48	15°16	13°38	25°37	24°22	16°14	27°39	F 15
S 16	5 37 21	23°35'52	7♎24	3°11	2°10	22°51	10°10	11°56	14°47	15°15	13°R38	25°27	24°19	16°20	27°41	S 16
S 17	5 41 17	24°36'51	19°37	4°23	3°26	23°31	10°24	11°51	14°46	15°14	13°38	25°19	24°16	16°27	27°44	S 17
M 18	5 45 14	25°37'51	1♎38	5°38	4°41	24°12	10°37	11°46	14°44	15°12	13°38	25°14	24°13	16°34	27°46	M 18
T 19	5 49 10	26°38'52	13°30	6°56	5°56	24°53	10°51	11°42	14°43	15°11	13°38	25°11	24°10	16°41	27°49	T 19
W 20	5 53 7	27°39'54	25°19	8°14	7°12	25°33	11° 4	11°37	14°41	15°10	13°38	25°D 9	24° 6	16°47	27°51	W 20
T 21	5 57 3	28°40'56	7♎9	9°35	8°27	26°14	11°18	11°32	14°40	15° 9	13°38	25°10	24° 3	16°54	27°54	T 21
F 22	6 1 0	29°42'00	19° 7	10°57	9°43	26°55	11°32	11°27	14°38	15° 8	13°38	25°R10	24° 0	17° 1	27°56	F 22
S 23	6 4 56	0♂43°05	1♌18	12°20	10°58	27°35	11°46	11°23	14°36	15° 7	13°38	25°10	23°57	17° 7	27°59	S 23
S 24	6 8 53	1°44'10	13°46	13°44	12°13	28°16	11°59	11°18	14°35	15° 6	13°37	25° 9	23°54	17°14	28° 2	S 24
M 25	6 12 50	2°45'16	26°35	15° 9	13°29	28°57	12°13	11°13	14°33	15° 5	13°37	25° 4	23°51	17°21	28° 5	M 25
T 26	6 16 46	3°46'23	9♂47	16°35	14°44	29°38	12°27	11° 8	14°31	15° 4	13°37	24°57	23°47	17°27	28° 8	T 26
W 27	6 20 43	4°47'31	23°23	18° 2	15°59	0♂18	12°41	11° 3	14°29	15° 3	13°37	24°48	23°44	17°34	28°11	W 27
T 28	6 24 39	5°48'39	7♂21	19°29	17°15	0°59	12°55	10°58	14°28	15° 2	13°36	24°37	23°41	17°41	28°13	T 28
F 29	6 28 36	6°49'48	21°35	20°57	18°30	1°40	13° 9	10°53	14°26	15° 1	13°36	24°25	23°38	17°47	28°16	F 29
S 30	6 32 32	7°50'57	6♎0	22°25	19°45	2°21	13°22	10°48	14°24	15° 0	13°35	24°13	23°35	17°54	28°20	S 30
S 31	6 36 29	8♂52°06	20♎29	23♎54	21♂1	3♎2	13♂36	10♎43	14♎22	14♎59	13♎35	24♎4	23♎31	18♎1	28♎23	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	lat	lat
F 1	21s41	27s49	4s59	17s 7	2n12	22s25	0s 2	15s11	0n29	23s14	0n 1	22n 2	0s45	16n57	0n40	14n46	1s48	18n25	13n 0	10n15	9n43	9n 7	6s46	6n 1
S 2	21 50	25 57	5 9	16 50	2 21	22 36	0 5	15 24	0 29	23 13	0 1	22 2	0 45	16 57	0 40	14 45	1 48	18 25	13 1	10 12	9 41	9 4	6 46	6 1
S 3	21 59	22 30	5 0	16 37	2 28	22 47	0 7	15 36	0 28	23 12	0 1	22 3	0 45	16 57	0 40	14 45	1 48	18 26	13 1	10 10	9 40	9 0	6 46	6 1
M 4	22 8	17 43	4 33	16 30	2 33	22 57	0 9	15 48	0 28	23 12	0 0	22 3	0 45	16 58	0 40	14 45	1 48	18 26	13 2	10 9	9 39	8 57	6 46	6 0
T 5	22 16	11 58	3 50	16 26	2 37	23 6	0 12	16 1	0 27	23 11	0 0	22 3	0 45	16 58	0 40	14 44	1 48	18 26	13 2	10 9	9 38	8 54	6 45	6 0
W 6	22 23	5 36	2 52	16 27	2 38	23 15	0 14	16 13	0 27	23 10	0 0	22 4	0 45	16 58	0 40	14 44	1 48	18 27	13 3	10 9	9 37	8 51	6 45	5 59
T 7	22 31	1n 2	1 44	16 31	2 38	23 23	0 17	16 25	0 26	23 10	0 0	22 4	0 45	16 59	0 40	14 44	1 48	18 27	13 3	10 9	9 36	8 47	6 45	5 59
F 8	22 37	7 36	0 31	16 39	2 37	23 30	0 19	16 37	0 26	23 9	0 0	22 5	0 45	16 59	0 40	14 43	1 48	18 27	13 4	10 10	9 34	8 44	6 45	5 59
S 9	22 44	13 46	0n45	16 49	2 35	23 36	0 21	16 48	0 25	23 8	0s 0	22 5	0 45	16 59	0 40	14 43	1 48	18 28	13 4	10 10	9 33	8 41	6 44	5 58
S 10	22 50	19 12	1 56	17 2	2 32	23 42	0 24	17 0	0 25	23 7	0 0	22 6	0 45	16 59	0 40	14 42	1 48	18 28	13 5	10 9	9 32	8 38	6 44	5 58
M11	22 55	23 33	3 1	17 17	2 27	23 47	0 26	17 11	0 24	23 7	0 0	22 6	0 45	17 0	0 40	14 42	1 48	18 28	13 5	10 7	9 31	8 35	6 44	5 57
T 12	23 0	26 32	3 53	17 34	2 23	23 51	0 28	17 23	0 24	23 6	0 0	22 7	0 45	17 0	0 40	14 42	1 48	18 29	13 6	10 4	9 30	8 31	6 43	5 57
W13	23 5	27 57	4 32	17 52	2 17	23 55	0 31	17 34	0 23	23 5	0 0	22 7	0 45	17 1	0 40	14 41	1 48	18 29	13 6	10 1	9 29	8 28	6 43	5 57
T 14	23 9	27 46	4 56	18 11	2 11	23 58	0 33	17 45	0 23	23 4	0 0	22 7	0 45	17 1	0 41	14 41	1 48	18 29	13 6	9 57	9 27	8 25	6 43	5 56
F 15	23 12	26 7	5 5	18 30	2 5	24 0	0 35	17 56	0 22	23 3	0 1	22 8	0 45	17 1	0 41	14 41	1 48	18 30	13 7	9 54	9 26	8 22	6 42	5 56
S 16	23 16	23 12	4 58	18 51	1 58	24 1	0 38	18 7	0 22	23 2	0 1	22 8	0 45	17 2	0 41	14 40	1 48	18 30	13 7	9 50	9 25	8 18	6 42	5 55
S 17	23 18	19 19	4 38	19 11	1 51	24 2	0 40	18 18	0 21	23 1	0 1	22 9	0 44	17 2	0 41	14 40	1 48	18 31	13 8	9 47	9 24	8 15	6 41	5 55
M18	23 21	14 43	4 6	19 32	1 43	24 2	0 42	18 28	0 20	23 0	0 1	22 9	0 44	17 3	0 41	14 40	1 48	18 31	13 8	9 45	9 23	8 12	6 41	5 55
T 19	23 22	9 37	3 23	19 52	1 36	24 1	0 44	18 39	0 20	22 59	0 1	22 10	0 44	17 3	0 41	14 39	1 48	18 31	13 9	9 44	9 22	8 9	6 40	5 54
W20	23 24	4 12	2 32	20 12	1 28	23 59	0 46	18 49	0 19	22 58	0 1	22 10	0 44	17 4	0 41	14 39	1 48	18 32	13 9	9 44	9 20	8 5	6 40	5 54
T 21	23 24	1s23	1 35	20 32	1 21	23 57	0 48	18 59	0 19	22 57	0 1	22 11	0 44	17 4	0 41	14 39	1 48	18 32	13 10	9 44	9 19	8 2	6 39	5 54
F 22	23 25	6 59	0 32	20 52	1 13	23 54	0 50	19 9	0 18	22 56	0 1	22 11	0 44	17 5	0 41	14 39	1 48	18 33	13 10	9 44	9 18	7 59	6 39	5 53
S 23	23 25	12 25	0s33	21 11	1 5	23 50	0 53	19 19	0 18	22 55	0 1	22 12	0 44	17 5	0 41	14 38	1 47	18 33	13 11	9 44	9 17	7 56	6 38	5 53
S 24	23 24	17 30	1 37	21 29	0 57	23 45	0 55	19 29	0 17	22 54	0 1	22 12	0 44	17 6	0 41	14 38	1 47	18 34	13 11	9 43	9 16	7 52	6 37	5 52
M25	23 23	21 57	2 39	21 46	0 49	23 40	0 56	19 38	0 16	22 53	0 2	22 13	0 44	17 6	0 41	14 38	1 47	18 34	13 12	9 42	9 15	7 49	6 37	5 52
T 26	23 22	25 25	3 34	22 3	0 41	23 34	0 58	19 48	0 16	22 52	0 2	22 13	0 44	17 7	0 41	14 38	1 47	18 35	13 12	9 39	9 13	7 46	6 36	5 52
W27	23 20	27 32	4 18	22 19	0 34	23 27	1 0	19 57	0 15	22 50	0 2	22 14	0 44	17 7	0 41	14 37	1 47	18 36	13 12	9 36	9 12	7 43	6 36	5 51
T 28	23 17	28 0	4 48	22 34	0 26	23 20	1 2	20 6	0 15	22 49	0 2	22 14	0 43	17 8	0 41	14 37	1 47	18 36	13 13	9 32	9 11	7 39	6 35	5 51
F 29	23 14	26 38	5 1	22 48	0 18	23 12	1 4	20 15	0 14	22 48	0 2	22 15	0 43	17 8	0 41	14 37	1 47	18 37	13 13	9 27	9 10	7 36	6 34	5 51
S 30	23 11	23 31	4 55	23 1	0 11	23 3	1 6	20 23	0 13	22 47	0 2	22 15	0 43	17 9	0 41	14 37	1 47	18 37	13 14	9 23	9 9	7 33	6 33	5 50
S 31	23s 7	18s55	4s30	23s13	0n 3	22s53	1s 7	20s32	0n13	22s45	0s 2	22n16	0s43	17n10	0n41	14n36	1s47	18n38	13n14	9n20	9n 8	7n29	6s33	5n50