



Astrodienst Ephemeris Tables for the year 2232

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 2232
geocentric

JANUARY 2232

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 39 9	9♂33'11	3♂53	21♂12	16♂7	10♂25	1♂11	27♂14	27♂28	5♂R32	5♂M16	16♂42	18♂0	13♂3	25♂R22	S 1
M 2	6 43 6	10♂34'19	15♂52	22♂47	17♂22	10♂32	1♂23	27♂17	27♂31	5♂30	5♂17	16♂R42	17♂57	13♂9	25♂R20	M 2
T 3	6 47 2	11♂35'26	28♂3	24♂23	18♂37	10♂39	1♂35	27♂20	27♂34	5♂29	5♂18	16♂40	17♂53	13♂16	25♂19	T 3
W 4	6 50 59	12♂36'34	10♂32	25♂58	19♂52	10♂45	1♂46	27♂24	27♂37	5♂27	5♂20	16♂37	17♂50	13♂23	25♂17	W 4
T 5	6 54 55	13♂37'42	23♂22	27♂33	21♂7	10♂50	1♂58	27♂27	27♂40	5♂25	5♂21	16♂33	17♂47	13♂29	25♂15	T 5
F 6	6 58 52	14♂38'50	6♂35	29♂8	22♂22	10♂55	2♂9	27♂31	27♂42	5♂23	5♂22	16♂28	17♂44	13♂36	25♂13	F 6
S 7	7 2 48	15♂39'57	20♂13	0♂41	23♂37	10♂59	2♂20	27♂35	27♂45	5♂22	5♂23	16♂23	17♂41	13♂43	25♂11	S 7
S 8	7 6 45	16♂41'05	4♂14	2♂14	24♂52	11♂2	2♂32	27♂39	27♂48	5♂20	5♂24	16♂18	17♂37	13♂49	25♂10	S 8
M 9	7 10 42	17♂42'12	18♂34	3♂46	26♂7	11♂5	2♂43	27♂43	27♂51	5♂18	5♂25	16♂14	17♂34	13♂56	25♂8	M 9
T 10	7 14 38	18♂43'20	3♂7	5♂17	27♂22	11♂6	2♂54	27♂47	27♂54	5♂17	5♂26	16♂12	17♂31	14♂3	25♂6	T 10
W 11	7 18 35	19♂44'27	17♂47	6♂46	28♂37	11♂8	3♂5	27♂51	27♂56	5♂15	5♂27	16♂D12	17♂28	14♂9	25♂5	W 11
T 12	7 22 31	20♂45'34	2♂27	8♂13	29♂52	11♂R 8	3♂16	27♂55	27♂59	5♂14	5♂28	16♂13	17♂25	14♂16	25♂3	T 12
F 13	7 26 28	21♂46'42	17♂1	9♂38	1♂7	11♂7	3♂27	28♂0	28♂1	5♂12	5♂29	16♂14	17♂22	14♂23	25♂2	F 13
S 14	7 30 24	22♂47'49	1♂26	11♂0	2♂23	11♂6	3♂37	28♂4	28♂4	5♂10	5♂30	16♂15	17♂18	14♂29	25♂1	S 14
S 15	7 34 21	23♂48'56	15♂37	12♂18	3♂38	11♂4	3♂48	28♂9	28♂6	5♂9	5♂31	16♂16	17♂15	14♂36	24♂59	S 15
M 16	7 38 17	24♂50'04	29♂34	13♂33	4♂53	11♂2	3♂59	28♂13	28♂9	5♂7	5♂32	16♂R17	17♂12	14♂43	24♂58	M 16
T 17	7 42 14	25♂51'12	13♂16	14♂43	6♂8	10♂58	4♂9	28♂18	28♂11	5♂6	5♂33	16♂16	17♂9	14♂49	24♂57	T 17
W 18	7 46 11	26♂52'19	26♂43	15♂48	7♂23	10♂54	4♂20	28♂22	28♂14	5♂4	5♂33	16♂14	17♂6	14♂56	24♂56	W 18
T 19	7 50 7	27♂53'27	9♂55	16♂47	8♂38	10♂48	4♂30	28♂27	28♂16	5♂2	5♂34	16♂11	17♂3	15♂3	24♂55	T 19
F 20	7 54 4	28♂54'34	22♂53	17♂39	9♂53	10♂42	4♂40	28♂32	28♂18	5♂1	5♂35	16♂9	16♂59	15♂9	24♂54	F 20
S 21	7 58 0	29♂55'41	5♂37	18♂23	11♂8	10♂36	4♂50	28♂37	28♂21	4♂59	5♂36	16♂6	16♂56	15♂16	24♂53	S 21
S 22	8 1 57	0♂56'48	18♂9	18♂58	12♂24	10♂28	5♂0	28♂42	28♂23	4♂58	5♂36	16♂4	16♂53	15♂23	24♂52	S 22
M 23	8 5 53	1♂57'54	0♂30	19♂24	13♂39	10♂20	5♂10	28♂47	28♂25	4♂56	5♂37	16♂2	16♂50	15♂29	24♂51	M 23
T 24	8 9 50	2♂59'00	12♂39	19♂40	14♂54	10♂10	5♂20	28♂53	28♂27	4♂55	5♂37	16♂D 2	16♂47	15♂36	24♂51	T 24
W 25	8 13 47	4♂0'05	24♂40	19♂R44	16♂9	10♂0	5♂30	28♂58	28♂29	4♂53	5♂38	16♂2	16♂43	15♂43	24♂50	W 25
T 26	8 17 43	5♂1'09	6♂34	19♂37	17♂24	9♂49	5♂40	29♂3	28♂31	4♂52	5♂38	16♂3	16♂40	15♂49	24♂50	T 26
F 27	8 21 40	6♂2'12	18♂23	19♂19	18♂39	9♂38	5♂49	29♂9	28♂33	4♂51	5♂39	16♂4	16♂37	15♂56	24♂49	F 27
S 28	8 25 36	7♂3'15	0♂Y10	18♂49	19♂54	9♂25	5♂58	29♂14	28♂35	4♂49	5♂39	16♂5	16♂34	16♂3	24♂49	S 28
S 29	8 29 33	8♂4'16	12♂1	18♂8	21♂10	9♂12	6♂8	29♂20	28♂37	4♂48	5♂40	16♂6	16♂31	16♂9	24♂48	S 29
M 30	8 33 29	9♂5'17	23♂58	17♂17	22♂25	8♂58	6♂17	29♂25	28♂39	4♂47	5♂40	16♂6	16♂28	16♂16	24♂48	M 30
T 31	8 37 26	10♂6'16	6♂8	16♂17	23♂40	8♂43	6♂26	29♂31	28♂41	4♂45	5♂40	16♂R 7	16♂24	16♂23	24♂48	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	decl lat
S 1	23s 4	5n 3	3n49	23s54	2s11	21s45	0n57	10n38	3n13	19s33	0n51	3s10	2s15	19s20	0n15	22n10	1s 8
M 2	22 59	10 22	4 28	23 38	2 11	21 55	0 54	10 37	3 15	19 35	0 51	3 9	2 15	19 20	0 15	22 10	1 8
T 3	22 54	15 22	4 56	23 21	2 10	22 4	0 52	10 37	3 17	19 37	0 51	3 7	2 15	19 21	0 15	22 10	1 8
W 4	22 49	19 52	5 11	23 2	2 9	22 12	0 49	10 36	3 20	19 40	0 51	3 5	2 15	19 22	0 15	22 10	1 8
T 5	22 43	23 35	5 10	22 42	2 7	22 20	0 47	10 36	3 22	19 42	0 51	3 4	2 14	19 22	0 15	22 10	1 8
F 6	22 36	26 12	4 53	22 20	2 4	22 27	0 44	10 36	3 24	19 44	0 51	3 2	2 14	19 23	0 15	22 10	1 8
S 7	22 30	27 22	4 20	21 57	2 1	22 34	0 42	10 37	3 26	19 46	0 51	3 1	2 14	19 23	0 15	22 10	1 8
S 8	22 22	26 51	3 30	21 32	1 57	22 39	0 39	10 37	3 28	19 48	0 51	2 59	2 14	19 24	0 15	22 11	1 8
M 9	22 14	24 32	2 26	21 7	1 53	22 44	0 37	10 38	3 30	19 51	0 51	2 57	2 14	19 25	0 15	22 11	1 8
T 10	22 6	20 36	1 11	20 40	1 47	22 49	0 34	10 40	3 32	19 53	0 51	2 55	2 13	19 25	0 15	22 11	1 8
W 11	21 58	15 21	0s 9	20 12	1 41	22 52	0 32	10 41	3 34	19 55	0 51	2 53	2 13	19 26	0 15	22 11	1 8
T 12	21 49	9 13	1 28	19 43	1 35	22 55	0 29	10 43	3 36	19 57	0 51	2 52	2 13	19 26	0 15	22 11	1 8
F 13	21 39	2 38	2 42	19 13	1 27	22 58	0 27	10 45	3 39	19 59	0 51	2 50	2 13	19 27	0 15	22 11	1 8
S 14	21 29	4s 0	3 44	18 42	1 18	22 59	0 24	10 48	3 41	20 1	0 51	2 48	2 13	19 28	0 15	22 11	1 8
S 15	21 19	10 19	4 32	18 11	1 9	23 0	0 21	10 50	3 43	20 3	0 51	2 46	2 13	19 28	0 15	22 11	1 8
M 16	21 8	16 1	5 2	17 40	0 58	23 1	0 19	10 53	3 45	20 5	0 51	2 44	2 12	19 29	0 15	22 11	1 8
T 17	20 57	20 48	5 15	17 9	0 47	23 0	0 16	10 57	3 47	20 7	0 51	2 42	2 12	19 29	0 15	22 11	1 8
W 18	20 45	24 25	5 10	16 38	0 34	22 59	0 14	11 0	3 49	20 9	0 51	2 40	2 12	19 30	0 15	22 11	1 8
T 19	20 34	26 40	4 49	16 7	0 21	22 57	0 11	11 4	3 51	20 10	0 51	2 38	2 12	19 30	0 15	22 11	1 8
F 20	20 21	27 26	4 13	15 38	0 7	22 54	0 8	11 8	3 53	20 12	0 51	2 36	2 12	19 31	0 15	22 12	1 7
S 21	20 8	26 43	3 25	15 10	0n 9	22 51	0 6	11 13	3 55	20 14	0 51	2 34	2 12	19 31	0 15	22 12	1 7
S 22	19 55	24 38	2 28	14 44	0 25	22 47	0 3	11 18	3 57	20 16	0 52	2 31	2 11	19 32	0 15	22 12	1 7
M 23	19 42	21 24	1 25	14 19	0 42	22 42	0 1	11 23	3 59	20 17	0 52	2 29	2 11	19 32	0 15	22 12	1 7
T 24	19 28	17 17	0 19	13 58	0 59	22 37	0s 2	11 28	4 1	20 19	0 52	2 27	2 11	19 33	0 15	22 12	1 7
W 25	19 14	12 32	0n48	13 39	1 17	22 31	0 5	11 33	4 3	20 21	0 52	2 25	2 11	19 33	0 15	22 12	1 7
T 26	18 59	7 22	1 51	13 24	1 35	22 24	0 7	11 39	4 5	20 22	0 52	2 23	2 11	19 34	0 15	22 12	1 7
F 27	18 44	1 59	2 50	13 13	1 54	22 16	0 10	11 45	4 7	20 24	0 52	2 20	2 11	19 34	0 15	22 12	1 7
S 28	18 29	3n27	3 41	13 5	2 11	22 8	0 12	11 52	4 8	20 26	0 52	2 18	2 10	19 34	0 15	22 12	1 7
S 29	18 14	8 47	4 23	13 2	2 28	21 59	0 15	11 58	4 10	20 27	0 52	2 16	2 10	19 35	0 15	22 12	1 7
M 30	17 58	13 51	4 54	13 2	2 44	21 50	0 17	12 5	4 12	20 29	0 52	2 13	2 10	19 35	0 15	22 12	1 7
T 31	17s42	18n27	5n13	13s 6	2n58	21s40	0s20	12n12	4n13	20s30	0n52	2s11	2s10	19s36	0n15	22n12	1s 7

Julian Day Number = 2536280.5, Delta T = 197.71 sec
Ecliptic obliquity = 23°24'39", Nutation = 0°00'12", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°58'57", Lahiri = 27°05'58"

ASTRODIENST EPHEMERIS for the year 2232

geocentric

FEBRUARY 2232

00:00 UT

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

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	17s25	22n24	5n17	13s14	3n10	21s29	0s22	12n19	4n15	20s32	0n52	2s 9	2s10	19s36	0n15	22n12	1s 7	2n36	16n56	15s59	15s55	2s56	15n52	3s11			
T 2	17 8	25 23	5 7	13 24	3 21	21 18	0 24	12 27	4 16	20 33	0 52	2 6	2 10	19 36	0 15	22 13	1 7	2 37	16 56	15 59	15 56	2 53	15 52	3 10			
F 3	16 51	27 8	4 40	13 38	3 29	21 5	0 27	12 35	4 18	20 34	0 52	2 4	2 10	19 37	0 15	22 13	1 7	2 37	16 57	16 0	15 57	2 50	15 52	3 10			
S 4	16 34	27 21	3 57	13 53	3 34	20 53	0 29	12 42	4 19	20 36	0 52	2 1	2 10	19 37	0 15	22 13	1 7	2 38	16 57	16 0	15 58	2 47	15 52	3 10			
S 5	16 16	25 50	2 58	14 10	3 37	20 39	0 32	12 50	4 21	20 37	0 52	1 59	2 9	19 37	0 15	22 13	1 7	2 38	16 58	16 0	15 59	2 43	15 52	3 10			
M 6	15 58	22 35	1 47	14 28	3 37	20 25	0 34	12 59	4 22	20 38	0 52	1 56	2 9	19 38	0 15	22 13	1 7	2 39	16 58	16 0	16 0	2 40	15 52	3 10			
T 7	15 39	17 49	0 27	14 46	3 35	20 11	0 36	13 7	4 23	20 40	0 53	1 54	2 9	19 38	0 15	22 13	1 7	2 39	16 59	16 0	16 1	2 37	15 52	3 10			
W 8	15 21	11 52	0s56	15 5	3 31	19 56	0 38	13 15	4 24	20 41	0 53	1 51	2 9	19 38	0 15	22 13	1 7	2 40	17 0	16 0	16 2	2 33	15 53	3 10			
T 9	15 2	5 13	2 16	15 23	3 26	19 40	0 40	13 24	4 25	20 42	0 53	1 49	2 9	19 39	0 15	22 13	1 7	2 40	17 0	16 0	16 3	2 30	15 53	3 10			
F 10	14 43	1s42	3 26	15 41	3 18	19 24	0 43	13 32	4 26	20 43	0 53	1 46	2 9	19 39	0 15	22 13	1 7	2 41	17 1	16 0	16 3	2 27	15 53	3 10			
S 11	14 24	8 25	4 21	15 57	3 9	19 7	0 45	13 41	4 26	20 44	0 53	1 43	2 9	19 39	0 15	22 13	1 7	2 42	17 1	16 0	16 4	2 24	15 53	3 9			
S 12	14 4	14 32	4 58	16 13	3 0	18 49	0 47	13 50	4 27	20 46	0 53	1 41	2 9	19 39	0 15	22 13	1 7	2 42	17 2	16 0	16 5	2 20	15 53	3 9			
M13	13 44	19 43	5 16	16 28	2 49	18 31	0 49	13 58	4 28	20 47	0 53	1 38	2 9	19 40	0 15	22 13	1 7	2 43	17 2	16 0	16 6	2 17	15 54	3 9			
T 14	13 24	23 43	5 15	16 41	2 38	18 13	0 51	14 7	4 28	20 48	0 53	1 35	2 8	19 40	0 15	22 13	1 7	2 43	17 3	16 0	16 7	2 14	15 54	3 9			
W15	13 4	26 19	4 57	16 53	2 26	17 54	0 53	14 16	4 29	20 49	0 53	1 33	2 8	19 40	0 15	22 14	1 7	2 44	17 3	16 0	16 8	2 11	15 54	3 9			
T 16	12 44	27 25	4 24	17 3	2 14	17 34	0 55	14 25	4 29	20 50	0 53	1 30	2 8	19 40	0 15	22 14	1 7	2 44	17 4	16 0	16 9	2 7	15 55	3 9			
F 17	12 23	27 2	3 39	17 13	2 2	17 14	0 57	14 33	4 29	20 51	0 53	1 27	2 8	19 41	0 15	22 14	1 7	2 45	17 4	16 0	16 10	2 4	15 55	3 9			
S 18	12 2	25 16	2 44	17 20	1 50	16 53	0 58	14 42	4 29	20 52	0 53	1 25	2 8	19 41	0 15	22 14	1 7	2 46	17 5	15 59	16 11	2 1	15 55	3 9			
S 19	11 41	22 20	1 42	17 27	1 37	16 32	1 0	14 51	4 29	20 53	0 53	1 22	2 8	19 41	0 15	22 14	1 6	2 46	17 5	15 59	16 12	1 57	15 56	3 8			
M20	11 20	18 28	0 37	17 31	1 25	16 11	1 2	14 59	4 29	20 54	0 54	1 19	2 8	19 41	0 15	22 14	1 6	2 47	17 6	15 59	16 13	1 54	15 56	3 8			
T 21	10 58	13 53	0n29	17 35	1 13	15 49	1 3	15 8	4 29	20 54	0 54	1 16	2 8	19 41	0 15	22 14	1 6	2 48	17 7	15 59	16 14	1 51	15 56	3 8			
W22	10 37	8 50	1 34	17 37	1 1	15 27	1 5	15 16	4 28	20 55	0 54	1 14	2 8	19 41	0 15	22 14	1 6	2 48	17 7	15 59	16 15	1 48	15 57	3 8			
T 23	10 15	3 30	2 34	17 37	0 50	15 4	1 7	15 24	4 28	20 56	0 54	1 11	2 8	19 41	0 15	22 14	1 6	2 49	17 8	16 0	16 16	1 44	15 57	3 8			
F 24	9 53	1n57	3 27	17 36	0 38	14 41	1 8	15 32	4 27	20 57	0 54	1 8	2 8	19 42	0 15	22 14	1 6	2 49	17 8	16 0	16 17	1 41	15 58	3 8			
S 25	9 31	7 19	4 11	17 34	0 27	14 17	1 10	15 40	4 26	20 58	0 54	1 5	2 7	19 42	0 15	22 14	1 6	2 50	17 9	16 1	16 18	1 38	15 58	3 8			
S 26	9 9	12 27	4 45	17 30	0 17	13 53	1 11	15 47	4 26	20 58	0 54	1 2	2 7	19 42	0 15	22 14	1 6	2 51	17 9	16 2	16 18	1 34	15 58	3 8			
M27	8 46	17 10	5 6	17 25	0 6	13 28	1 12	15 55	4 25	20 59	0 54	0 59	2 7	19 42	0 15	22 14	1 6	2 51	17 10	16 3	16 19	1 31	15 59	3 8			
T 28	8 24	21 16	5 15	17 19	0s 4	13 4	1 14	16 2	4 24	21 0	0 54	0 57	2 7	19 42	0 15	22 14	1 6	2 52	17 10	16 4	16 20	1 28	15 59	3 7			
W29	8s 1	24n30	5n 9	17s11	0s14	12s38	1s15	16n 9	4n23	21s 0	0n54	0s54	2s 7	19s42	0n15	22n14	1s 6	2n53	17n11	16s 5	16s21	1s25	16n 0	3s 7			

Julian Day Number = 2536311.5, Delta T = 197.81 sec
 Ecliptic obliquity = 23°24'39", Nutation = 0°00'13", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°59'02", Lahiri = 27°06'02"

ASTRODIENST EPHEMERIS for the year 2232
geocentric

MARCH 2232

00:00 UT

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

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	7s38	26n38	4n48	17s 2	0s23	12s13	1s16	16n16	4n21	21s 1	0n54	0s51	2s 7	19s42	0n15	22n15
F 2	7 16	27 24	4 12	16 51	0 33	11 47	1 17	16 22	4 20	21 2	0 54	0 48	2 7	19 42	0 15	22 15
S 3	6 53	26 37	3 21	16 39	0 41	11 21	1 18	16 28	4 19	21 2	0 55	0 45	2 7	19 42	0 15	22 15
S 4	6 30	24 10	2 17	16 26	0 50	10 55	1 19	16 34	4 17	21 3	0 55	0 42	2 7	19 42	0 15	22 15
M 5	6 6 20	9 1 3	16 11	0 58	10 28	1 20	16 40	4 16	21 3	0 55	0 39	2 7	19 42	0 15	22 15	1 6
T 6	5 43	14 47	0s18	15 55	1 6	10 1	1 21	16 45	4 14	21 4	0 55	0 36	2 7	19 42	0 15	22 15
W 7	5 20	8 26	1 39	15 38	1 13	9 34	1 22	16 50	4 12	21 4	0 55	0 34	2 7	19 42	0 15	22 15
T 8	4 57	1 31	2 53	15 19	1 20	9 6	1 23	16 55	4 11	21 5	0 55	0 31	2 7	19 42	0 15	22 15
F 9	4 33	5s28	3 56	14 59	1 27	8 38	1 23	16 59	4 9	21 5	0 55	0 28	2 7	19 42	0 15	22 15
S 10	4 10	12 5	4 41	14 38	1 33	8 10	1 24	17 4	4 7	21 5	0 55	0 25	2 7	19 42	0 15	22 15
S 11	3 46	17 51	5 6	14 15	1 39	7 42	1 24	17 8	4 5	21 6	0 55	0 22	2 7	19 42	0 15	22 15
M 12	3 23	22 27	5 11	13 52	1 44	7 14	1 25	17 11	4 3	21 6	0 55	0 19	2 7	19 42	0 15	22 15
T 13	2 59	25 35	4 57	13 27	1 49	6 45	1 25	17 14	4 1	21 6	0 55	0 16	2 7	19 41	0 15	22 15
W 14	2 35	27 9	4 27	13 0	1 54	6 16	1 26	17 17	3 59	21 7	0 56	0 13	2 7	19 41	0 15	22 15
T 15	2 11	27 9	3 44	12 33	1 58	5 47	1 26	17 20	3 56	21 7	0 56	0 10	2 7	19 41	0 15	22 15
F 16	1 48	25 43	2 52	12 4	2 2	5 18	1 26	17 23	3 54	21 7	0 56	0 7	2 7	19 41	0 15	22 15
S 17	1 24	23 3	1 52	11 34	2 5	4 49	1 26	17 25	3 52	21 7	0 56	0 4	2 7	19 41	0 15	22 15
S 18	1 0	19 24	0 49	11 3	2 8	4 20	1 26	17 26	3 50	21 7	0 56	0 1	2 7	19 41	0 15	22 15
M 19	0 37	15 1	0n16	10 31	2 11	3 50	1 26	17 28	3 47	21 8	0 56	0n 2	2 7	19 41	0 15	22 15
T 20	0 13	10 6	1 20	9 58	2 13	3 20	1 26	17 29	3 45	21 8	0 56	0 5	2 7	19 40	0 15	22 15
W 21	0n11	4 52	2 19	9 23	2 15	2 51	1 26	17 30	3 43	21 8	0 56	0 8	2 7	19 40	0 15	22 16
T 22	0 35	0n32	3 13	8 47	2 16	2 21	1 26	17 31	3 40	21 8	0 56	0 11	2 7	19 40	0 15	22 16
F 23	0 58	5 55	3 58	8 10	2 17	1 51	1 26	17 31	3 38	21 8	0 56	0 13	2 7	19 40	0 15	22 16
S 24	1 22	11 7	4 33	7 32	2 18	1 21	1 26	17 31	3 36	21 8	0 56	0 16	2 7	19 40	0 15	22 16
S 25	1 46	15 57	4 56	6 53	2 18	0 51	1 25	17 31	3 33	21 8	0 56	0 19	2 7	19 39	0 15	22

ASTRODIENST EPHEMERIS for the year 2232

geocentric

MAY 2232

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 36 12	10♈48'03	7♎11	29♈7	17♈1	26♈7	9♈R11	10♈Y11	27♈R51	4♈S50	4♈R7	11♈R38	11♈≈35	26♈X30	28♈R24	T 1
W 2	14 40 9	11°46'23	21°43	0♈II40	18°15	26°25	9♈♂5	10°18	27♈M49	4°51	4♈M5	11°≈35	11°32	26°37	28°28	W 2
T 3	14 44 5	12°44'41	6♈Δ29	2°9	19°29	26°42	8°59	10°25	27°46	4°53	4°3	11°28	11°29	26°43	28°32	T 3
F 4	14 48 2	13°42'57	21°23	3°34	20°43	27°0	8°53	10°31	27°44	4°54	4°2	11°20	11°26	26°50	28°36	F 4
S 5	14 51 59	14°41'11	6♈M18	4°55	21°57	27°19	8°47	10°38	27°42	4°56	4°0	11°9	11°23	26°57	28°40	S 5
S 6	14 55 55	15°39'24	21°3	6°11	23°11	27°37	8°41	10°45	27°39	4°57	3°59	10°58	11°19	27°3	28°44	S 6
M 7	14 59 52	16°37'35	5♈♂31	7°22	24°25	27°57	8°34	10°51	27°37	4°59	3°57	10°47	11°16	27°10	28°49	M 7
T 8	15 3 48	17°35'44	19°36	8°29	25°39	28°16	8°28	10°58	27°34	5°1	3°55	10°38	11°13	27°17	28°53	T 8
W 9	15 7 45	18°33'52	3♈Z13	9°31	26°53	28°36	8°21	11°4	27°32	5°2	3°54	10°31	11°10	27°23	28°57	W 9
T 10	15 11 41	19°31'59	16°24	10°29	28°6	28°56	8°14	11°11	27°29	5°4	3°52	10°27	11°7	27°30	29°1	T 10
F 11	15 15 38	20°30'04	29°9	11°22	29°20	29°17	8°7	11°17	27°27	5°6	3°50	10°25	11°3	27°37	29°6	F 11
S 12	15 19 34	21°28'07	11°≈32	12°10	0♈II34	29°38	8°0	11°23	27°24	5°7	3°49	10°D24	11°0	27°43	29°10	S 12
S 13	15 23 31	22°26'09	23°39	12°53	1°48	29°59	7°53	11°30	27°22	5°9	3°47	10°R25	10°57	27°50	29°14	S 13
M14	15 27 28	23°24'10	5♈X35	13°31	3°2	0♈M21	7°46	11°36	27°19	5°11	3°46	10°24	10°54	27°57	29°19	M14
T 15	15 31 24	24°22'09	17°25	14°5	4°16	0°43	7°39	11°42	27°17	5°13	3°44	10°22	10°51	28°3	29°23	T 15
W16	15 35 21	25°20'07	29°14	14°33	5°29	1°5	7°32	11°48	27°14	5°14	3°42	10°17	10°48	28°10	29°27	W16
T 17	15 39 17	26°18'04	11°Y6	14°56	6°43	1°28	7°24	11°54	27°12	5°16	3°41	10°10	10°44	28°17	29°31	T 17
F 18	15 43 14	27°15'59	23°6	15°14	7°57	1°51	7°17	12°0	27°9	5°18	3°39	10°1	10°41	28°24	29°36	F 18
S 19	15 47 10	28°13'53	5♈B16	15°27	9°11	2°14	7°9	12°6	27°7	5°20	3°38	9°49	10°38	28°30	29°40	S 19
S 20	15 51 7	29°11'46	17°38	15°36	10°25	2°38	7°2	12°12	27°4	5°22	3°36	9°37	10°35	28°37	29°44	S 20
M21	15 55 3	0♈II9'38	0♈II11	15°R39	11°38	3°2	6°54	12°18	27°2	5°24	3°35	9°25	10°32	28°44	29°49	M21
T 22	15 59 0	1°7'28	12°58	15°37	12°52	3°26	6°47	12°24	26°59	5°25	3°33	9°14	10°29	28°50	29°53	T 22
W23	16 2 57	2°5'16	25°56	15°31	14°6	3°50	6°39	12°30	26°57	5°27	3°32	9°5	10°25	28°57	29°57	W23
T 24	16 6 53	3°3'04	9♈D6	15°21	15°19	4°15	6°32	12°35	26°54	5°29	3°31	8°59	10°22	29°4	0♈II2	T 24
F 25	16 10 50	4°0'49	22°26	15°6	16°33	4°40	6°24	12°41	26°52	5°31	3°29	8°55	10°19	29°10	0°6	F 25
S 26	16 14 46	4°58'33	5♈D58	14°47	17°47	5°5	6°16	12°47	26°49	5°33	3°28	8°D54	10°16	29°17	0°10	S 26
S 27	16 18 43	5°56'16	19°42	14°25	19°0	5°30	6°9	12°52	26°47	5°35	3°26	8°54	10°13	29°24	0°15	S 27
M28	16 22 39	6°53'56	3♈B37	13°59	20°14	5°56	6°1	12°57	26°44	5°37	3°25	8°R55	10°9	29°30	0°19	M28
T 29	16 26 36	7°51'35	17°43	13°31	21°28	6°22	5°53	13°3	26°42	5°39	3°24	8°55	10°6	29°37	0°23	T 29
W30	16 30 32	8°49'13	2♈0	13°0	22°41	6°48	5°46	13°8	26°39	5°41	3°22	8°53	10°3	29°44	0°27	W30
T 31	16 34 29	9♈II46'49	16♈Δ26	12♈II28	23♈II55	7♈M15	5♈X38	13♈Y13	26♈M37	5♈D43	3♈M21	8°≈48	10°≈0	29°X51	0♈II32	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n 3	6n50	2s10	22n 5	2n12	16n21	0s34	14n50	2n10	20s50	0n58	2n 3	2s 9	19s25	0n15	22n16
W 2	15 21	0 18	3 15	22 31	2 18	16 44	0 31	14 42	2 8	20 50	0 58	2 5	2 10	19 24	0 15	22 16
T 3	15 39	6s21	4 7	22 55	2 23	17 7	0 29	14 34	2 6	20 49	0 58	2 8	2 10	19 24	0 15	22 16
F 4	15 56	12 42	4 43	23 15	2 28	17 29	0 27	14 26	2 4	20 48	0 58	2 10	2 10	19 23	0 15	22 16
S 5	16 13	18 18	4 59	23 34	2 31	17 50	0 25	14 18	2 2	20 47	0 58	2 13	2 10	19 22	0 15	22 16
S 6	16 30	22 45	4 56	23 50	2 34	18 11	0 22	14 10	2 0	20 46	0 58	2 15	2 10	19 22	0 15	22 16
M 7	16 47	25 41	4 33	24 4	2 35	18 32	0 20	14 1	1 58	20 45	0 58	2 17	2 10	19 21	0 15	22 16
T 8	17 4	26 54	3 54	24 16	2 36	18 52	0 18	13 53	1 57	20 44	0 58	2 20	2 10	19 21	0 15	22 16
W 9	17 20	26 25	3 3	24 25	2 36	19 11	0 15	13 44	1 55	20 43	0 58	2 22	2 11	19 20	0 15	22 16
T 10	17 36	24 27	2 3	24 32	2 34	19 30	0 13	13 36	1 53	20 42	0 58	2 25	2 11	19 20	0 15	22 16
F 11	17 51	21 16	0 59	24 37	2 32	19 49	0 11	13 27	1 51	20 41	0 58	2 27	2 11	19 19	0 15	22 16
S 12	18 6	17 12	0n 6	24 40	2 28	20 7	0 8	13 18	1 50	20 40	0 58	2 29	2 11	19 19	0 15	22 16
S 13	18 21	12 32	1 10	24 42	2 24	20 24	0 6	13 9	1 48	20 38	0 58	2 32	2 11	19 18	0 15	22 16
M14	18 36	7 27	2 9	24 41	2 18	20 41	0 3	12 59	1 46	20 37	0 58	2 34	2 11	19 17	0 15	22 16
T 15	18 50	2 10	3 3	24 38	2 12	20 57	0 1	12 50	1 45	20 36	0 58	2 36	2 12	19 17	0 15	22 16
W16	19 4	3n11	3 48	24 34	2 4	21 13	0n 2	12 41	1 43	20 35	0 58	2 38	2 12	19 16	0 15	22 16
T 17	19 18	8 26	4 24	24 28	1 55	21 28	0 4	12 31	1 41	20 34	0 58	2 41	2 12	19 16	0 15	22 16
F 18	19 32	13 26	4 49	24 20	1 45	21 43	0 6	12 21	1 40	20 33	0 58	2 43	2 12	19 15	0 15	22 16
S 19	19 45	17 59	5 0	24 11	1 34	21 57	0 9	12 11	1 38	20 32	0 58	2 45	2 12	19 15	0 15	22 16
S 20	19 57	21 50	4 59	24 0	1 22	22 10	0 11	12 1	1 36	20 31	0 58	2 47	2 12	19 14	0 15	22 15
M21	20 10	24 46	4 42	23 47	1 9	22 23	0 14	11 51	1 35	20 29	0 58	2 49	2 13	19 14	0 15	22 15
T 22	20 22	26 29	4 12	23 33	0 55	22 35	0 16	11 41	1 33	20 28	0 58	2 51	2 13	19 13	0 15	22 15
W23	20 33	26 48	3 27	23 18	0 41	22 46	0 19	11 31	1 32	20 27	0 58	2 53	2 13	19 12	0 15	22 15
T 24	20 45	25 37	2 32	23 2	0 25	22 57	0 21	11 20	1 30	20 26	0 57	2 55	2 13	19 12	0 15	22 15
F 25	20 56	22 58	1 27	22 44	0 9	23 7	0 24	11 10	1 29	20 25	0 57	2 57	2 13	19 11	0 15	22 15
S 26	21 6	19 1	0 16	22 25	0s 7	23 17	0 26	10 59	1 27	20 23	0 57	2 59	2 14	19 11	0 15	22 15
S 27	21 16	13 59	0s57	22 6	0 25	23 26	0 28	10 49	1 26	20 22	0 57	3 1	2 14	19 10	0 15	22 15
M28	21 26	8 11	2 8	21 45	0 42	23 34	0 31	10 38	1 24	20 21	0 57	3 3	2 14	19 10	0 15	22 15
T 29	21 36	1 54	3 12	21 25	1 0	23 41	0 33	10 27	1 23	20 20	0 57	3 5	2 14	19 9	0 15	22 15
W30	21 45	4s32	4 4	21 3	1 17	23 48	0 35	10 16	1 21	20 19	0 57	3 7	2 14	19 8	0 15	22 15
T 31	21n53	10s47	4s42	20n42	1s35	23n54	0n38	10n 5	1n20	20s17	0n57	3n 9	2s15	19s 8	0n15	22n15

Julian Day Number = 2536401.5, Delta T = 198.10 sec
 Ecliptic obliquity = 23°24'39, Nutation = 0°00'12, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°59'14, Lahiri = 27°06'15

ASTRODIENST EPHEMERIS for the year 2232

geocentric

JUNE 2232

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 38 26	10 ^{II} 44'24	0 ^{III} 56	11°R55	25 ^{II} 8	7 ^{III} 41	5°R31	13°Y18	26°R35	5 ^{III} 45	3°R20	8°R42	9 ^{III} 57	29 ^{III} 57	0 ^{III} 36	F 1
S 2	16 42 22	11°41'57	15°25	11 ^{II} 21	26°22	8° 8	5 ^{III} 23	13°24	26 ^{III} 32	5°47	3 ^{III} 19	8 ^{III} 34	9°54	0°Y 4	0°40	S 2
S 3	16 46 19	12°39'29	29°47	10°47	27°35	8°36	5°16	13°29	26°30	5°49	3°17	8°25	9°50	0°11	0°45	S 3
M 4	16 50 15	13°37'01	13 ^{III} 55	10°14	28°49	9° 3	5° 8	13°34	26°27	5°52	3°16	8°16	9°47	0°17	0°49	M 4
T 5	16 54 12	14°34'31	27°45	9°42	0 ^{III} 2	9°30	5° 1	13°38	26°25	5°54	3°15	8° 9	9°44	0°24	0°53	T 5
W 6	16 58 8	15°32'00	11 ^{III} 14	9°12	1°16	9°58	4°53	13°43	26°23	5°56	3°14	8° 4	9°41	0°31	0°57	W 6
T 7	17 2 5	16°29'28	24°19	8°44	2°29	10°26	4°46	13°48	26°20	5°58	3°13	8° 1	9°38	0°37	1° 1	T 7
F 8	17 6 1	17°26'55	7 ^{III} 3	8°19	3°42	10°54	4°38	13°53	26°18	6° 0	3°12	8°D 0	9°35	0°44	1° 6	F 8
S 9	17 9 58	18°24'22	19°27	7°57	4°56	11°23	4°31	13°57	26°16	6° 2	3°11	8° 1	9°31	0°51	1°10	S 9
S 10	17 13 55	19°21'48	1 ^{III} 36	7°38	6° 9	11°51	4°24	14° 2	26°14	6° 4	3°10	8° 2	9°28	0°57	1°14	S 10
M 11	17 17 51	20°19'13	13°34	7°23	7°23	12°20	4°17	14° 6	26°11	6° 7	3° 9	8° 3	9°25	1° 4	1°18	M 11
T 12	17 21 48	21°16'37	25°26	7°12	8°36	12°49	4°10	14°11	26° 9	6° 9	3° 8	8°R 3	9°22	1°11	1°22	T 12
W 13	17 25 44	22°14'01	7°Y17	7° 6	9°49	13°18	4° 3	14°15	26° 7	6°11	3° 7	8° 2	9°19	1°18	1°26	W 13
T 14	17 29 41	23°11'25	19°13	7°D 3	11° 3	13°47	3°56	14°19	26° 5	6°13	3° 6	7°59	9°15	1°24	1°31	T 14
F 15	17 33 37	24° 8'47	1 ^{III} 17	7° 5	12°16	14°17	3°49	14°23	26° 3	6°15	3° 5	7°54	9°12	1°31	1°35	F 15
S 16	17 37 34	25° 6'10	13°33	7°12	13°29	14°47	3°42	14°27	26° 1	6°17	3° 4	7°47	9° 9	1°38	1°39	S 16
S 17	17 41 30	26° 3'32	26° 3	7°23	14°42	15°16	3°36	14°31	25°58	6°20	3° 3	7°40	9° 6	1°44	1°43	S 17
M 18	17 45 27	27° 0'53	8 ^{III} 50	7°39	15°56	15°47	3°29	14°35	25°56	6°22	3° 2	7°33	9° 3	1°51	1°47	M 18
T 19	17 49 24	27°58'14	21°53	7°59	17° 9	16°17	3°23	14°39	25°54	6°24	3° 2	7°27	9° 0	1°58	1°51	T 19
W 20	17 53 20	28°55'34	5 ^{III} 12	8°24	18°22	16°47	3°17	14°42	25°52	6°26	3° 1	7°22	8°56	2° 4	1°55	W 20
T 21	17 57 17	29°52'54	18°45	8°53	19°35	17°18	3°10	14°46	25°50	6°29	3° 0	7°19	8°53	2°11	1°59	T 21
F 22	18 1 13	0 ^{III} 50'13	2 ^{III} 30	9°26	20°49	17°48	3° 4	14°50	25°49	6°31	2°59	7°D17	8°50	2°18	2° 3	F 22
S 23	18 5 10	1°47'31	16°24	10° 4	22° 2	18°19	2°58	14°53	25°47	6°33	2°59	7°17	8°47	2°24	2° 7	S 23
S 24	18 9 6	2°44'48	0 ^{III} 26	10°46	23°15	18°50	2°52	14°56	25°45	6°35	2°58	7°19	8°44	2°31	2°11	S 24
M 25	18 13 3	3°42'05	14°33	11°33	24°28	19°22	2°47	15° 0	25°43	6°37	2°57	7°20	8°41	2°38	2°14	M 25
T 26	18 17 0	4°39'21	28°44	12°23	25°41	19°53	2°41	15° 3	25°41	6°40	2°57	7°R21	8°37	2°45	2°18	T 26
W 27	18 20 56	5°36'36	12 ^{III} 57	13°18	26°54	20°24	2°36	15° 6	25°40	6°42	2°56	7°21	8°34	2°51	2°22	W 27
T 28	18 24 53	6°33'50	27° 9	14°16	28° 7	20°56	2°31	15° 9	25°38	6°44	2°56	7°19	8°31	2°58	2°26	T 28
F 29	18 28 49	7°31'04	11 ^{III} 18	15°19	29°20	21°28	2°25	15°12	25°36	6°46	2°55	7°17	8°28	3° 5	2°30	F 29
S 30	18 32 46	8°28'18	25 ^{III} 21	16 ^{III} 25	0 ^{III} 33	22 ^{III} 0	2°20	15°Y15	25 ^{III} 35	6°49	2 ^{III} 55	7°13	8°25	3°Y11	2 ^{III} 33	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	22n 2	16s30	5s 2	20n21	1s52	23n59	0n40	9n53	1n19	20s16	0n57	3n11	2s15	19s 7	0n15	22n15	1s 2	3n41	17n17	18s 4	17s44	3n36	17n13	3s 6	17s 4	3s 6	
S 2	22 10	21 15	5 3	20 0	2 8	24 4	0 42	9 42	1 17	20 15	0 56	3 12	2 15	19 7	0 15	22 15	1 2	3 41	17 17	18 6	17 45	3 39	17 14	3 6	17 14	3 6	
S 3	22 17	24 42	4 44	19 39	2 24	24 8	0 45	9 31	1 16	20 14	0 56	3 14	2 15	19 6	0 15	22 15	1 2	3 41	17 16	18 8	17 46	3 43	17 14	3 6	17 14	3 6	
M 4	22 24	26 33	4 8	19 19	2 40	24 11	0 47	9 19	1 14	20 12	0 56	3 16	2 15	19 6	0 15	22 15	1 2	3 41	17 16	18 11	17 47	3 46	17 15	3 7	17 15	3 7	
T 5	22 31	26 42	3 19	19 1	2 54	24 14	0 49	9 7	1 13	20 11	0 56	3 18	2 16	19 5	0 15	22 15	1 2	3 41	17 16	18 12	17 47	3 49	17 16	3 7	17 16	3 7	
W 6	22 38	25 14	2 19	18 43	3 7	24 16	0 51	8 56	1 12	20 10	0 56	3 19	2 16	19 5	0 15	22 14	1 2	3 41	17 15	18 14	17 48	3 52	17 17	3 7	17 17	3 7	
T 7	22 44	22 25	1 13	18 27	3 20	24 17	0 53	8 44	1 10	20 9	0 56	3 21	2 16	19 4	0 15	22 14	1 2	3 41	17 15	18 14	17 49	3 55	17 17	3 7	17 17	3 7	
F 8	22 49	18 34	0 5	18 12	3 31	24 17	0 56	8 32	1 9	20 8	0 56	3 22	2 16	19 4	0 15	22 14	1 2	3 41	17 14	18 15	17 50	3 58	17 18	3 7	17 18	3 7	
S 9	22 54	14 0	1n 1	17 58	3 41	24 17	0 58	8 20	1 8	20 7	0 56	3 24	2 16	19 3	0 15	22 14	1 2	3 41	17 14	18 15	17 51	4 2	17 19	3 7	17 19	3 7	
S 10	22 59	8 58	2 4	17 47	3 49	24 16	1 0	8 8	1 6	20 5	0 55	3 26	2 17	19 3	0 15	22 14	1 2	3 41	17 13	18 14	17 52	4 5	17 19	3 7	17 19	3 7	
M 11	23 3	3 41	3 0	17 37	3 57	24 14	1 2	7 56	1 5	20 4	0 55	3 27	2 17	19 2	0 15	22 14	1 2	3 41	17 13	18 14	17 53	4 8	17 20	3 7	17 20	3 7	
T 12	23 7	1n40	3 48	17 30	4 3	24 11	1 4	7 44	1 4	20 3	0 55	3 28	2 17	19 2	0 15	22 14	1 2	3 41	17 13	18 14	17 53	4 11	17 21	3 8	17 21	3 8	
W 13	23 11	6 57	4 26	17 24	4 8	24 8	1 6	7 31	1 3	20 2	0 55	3 30	2 17	19 1	0 15	22 14	1 2	3 40	17 12	18 14	17 54	4 14	17 22	3 8	17 22	3 8	
T 14	23 14	12 1	4 52	17 20	4 11	24 4	1 7	7 19	1 1	20 1	0 55	3 31	2 18	19 1	0 15	22 14	1 2	3 40	17 12	18 15	17 55	4 17	17 22	3 8	17 22	3 8	
F 15	23 17	16 42	5 7	17 18	4 13	24 0	1 9	7 6	1 0	20 0	0 55	3 33	2 18	19 0	0 15	22 14	1 2	3 40	17 11	18 16	17 56	4 21	17 23	3 8	17 23	3 8	
S 16	23 19	20 46	5 7	17 18	4 15	23 54	1 11	6 54	0 59	19 59	0 54	3 34	2 18	19 0	0 15	22 14	1 2	3 40	17 11	18 18	17 57	4 24	17 23	3 8	17 23	3 8	
S 17	23 21	23 59	4 53	17 20	4 15	23 48	1 13	6 41	0 58	19 58	0 54	3 35	2 18	18 59	0 15	22 14	1 2	3 40	17 10	18 20	17 58	4 27	17 24	3 8	17 24	3 8	
M 18	23 23	26 6	4 24	17 23	4 13	23 42	1 15	6 28	0 57	19 57	0 54	3 37	2 19	18 59	0 15	22 13	1 2	3 40	17 10	18 22	17 58	4 30	17 25	3 9	17 25	3 9	
T 19	23 24	26 51	3 41	17 29	4 11	23 34	1 16	6 15	0 55	19 55	0 54	3 38	2 19	18 58	0 15	22 13	1 2	3 39	17 9	18 23	17 59	4 33	17 25	3 9	17 25	3 9	
W 20	23 24	26 4	2 45	17 36	4 8	23 26	1 18	6 3	0 54	19 54	0 54	3 39	2 19	18 58	0 15	22 13	1 2	3 39	17 9	18 25	18 0	4 36	17 26	3 9	17 26	3 9	
T 21	23 25	23 44	1 39	17 44	4 4	23 17	1 19	5 50	0 53	19 53	0 53	3 40	2 19	18 57	0 15	22 13	1 2	3 39	17 8	18 25	18 1	4 39	17 27	3 9	17 27	3 9	
F 22	23 24	20 0	0 26	17 54	3 59	23 8	1 21	5 37	0 52	19 52	0 53	3 41	2 20	18 57	0 15	22 13	1 2	3 39	17 8	18 26	18 2	4 43	17 27	3 9	17 27	3 9	
S 23	23 24	15 7	0s50	18 5	3 53	22 58	1 22	5 23	0 51	19 52	0 53	3 42	2 20	18 57	0 15	22 13	1 2	3 38	17 7	18 26	18 3	4 46	17 28	3 9	17 28	3 9	
S 24	23 23	9 23	2 3	18 18	3 47	22 47	1 24	5 10	0 49	19 51	0 53	3 43	2 20	18 56	0 15	22 13	1 2	3 38	17 7	18 25	18 3	4 49	17 28	3 10	17 28	3 10	
M 25	23 22	3 10	3 9	18 31	3 39	22 36	1 25	4 57	0 48	19 50	0 53	3 44	2 20	18 56	0 15	22 13	1 2	3 38	17 6	18 25	18 4	4 52	17 29	3 10	17 29	3 10	
T 26	23 20	3s14	4 4	18 46	3 31	22 24	1 26	4 44	0 47	19 49	0 53	3 45	2 21	18 55	0 15	22 13	1 2	3 37	17 6	18 25	18 5	4 55	17 30	3 10	17 30	3 10	
W 27	23 17	9 28	4 45	19 1	3 23	22 11	1 28	4 30	0 46	19 48	0 52	3 46	2 21	18 55	0 15	22 13	1 2	3 37	17 5	18 25	18 6	4 58	17 30	3 10	17 30	3 10	
T 28	23 15	15 13	5 8	19 17	3 13	21 58	1 29	4 17	0 45	19 47	0 52	3 47	2 21	18 55	0 15	22 12	1 2	3 37	17 5	18 25	18 7	5 1	17 31	3 10	17 31	3 10	
F 29	23 12	20 8	5 12	19 34	3 3	21 44	1 30	4 3	0 44	19 46	0 52	3 48	2 21	18 54	0 15	22 12	1 2	3 36	17 4	18 26	18 8	5 5	17 31	3 10	17 31	3 10	
S 30	23n 8	23s53	4s57	19n51	2s53	21n29	1n31	3n50	0n43	19s46	0n52	3n49	2s22	18s54	0n15	22n12	1s 2	3n36	17n 3	18s27	18s 8	5n 8	17n32	3s11	17n32	3s11	

ASTRODIENST EPHEMERIS for the year 2232
geocentric

JULY 2232

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 36 42	9 ²⁵ 31	9 ¹⁵ 15	17 ³⁵ 35	1 ⁴⁶ 46	22 ³² 32	2 ¹⁶ 16	15 ¹⁷ 17	25 ³³ 33	6 ⁵¹ 51	2 ⁵⁴ 54	7 ⁹ 9	8 ²¹ 21	3 ¹⁸ 18	2 ³⁷ 37	S 1
M 2	18 40 39	10 ²² 43	22 ⁵⁷ 57	18 ⁴⁹ 49	2 ⁵⁹ 59	23 ⁴ 4	2 ¹¹ 11	15 ²⁰ 20	25 ³¹ 31	6 ⁵³ 53	2 ⁵⁴ 54	7 ⁵ 5	8 ¹⁸ 18	3 ²⁵ 25	2 ⁴¹ 41	M 2
T 3	18 44 35	11 ¹⁹ 56	6 ²⁴ 24	20 ⁶ 6	4 ¹² 12	23 ³⁷ 37	2 ⁶ 6	15 ²² 22	25 ³⁰ 30	6 ⁵⁵ 55	2 ⁵⁴ 54	7 ² 2	8 ¹⁵ 15	3 ³¹ 31	2 ⁴⁴ 44	T 3
W 4	18 48 32	12 ¹⁷ 08	19 ³⁴ 34	21 ²⁸ 28	5 ²⁵ 25	24 ⁹ 9	2 ² 2	15 ²⁵ 25	25 ²⁸ 28	6 ⁵⁸ 58	2 ⁵³ 53	7 ⁰ 0	8 ¹² 12	3 ³⁸ 38	2 ⁴⁸ 48	W 4
T 5	18 52 29	13 ¹⁴ 20	2 ²⁷ 27	22 ⁵³ 53	6 ³⁸ 38	24 ⁴² 42	1 ⁵⁸ 58	15 ²⁷ 27	25 ²⁷ 27	7 ⁰ 0	2 ⁵³ 53	6 ⁵⁹ 59	8 ⁹ 9	3 ⁴⁵ 45	2 ⁵¹ 51	T 5
F 6	18 56 25	14 ¹¹ 31	15 ² 2	24 ²¹ 21	7 ⁵¹ 51	25 ¹⁵ 15	1 ⁵⁴ 54	15 ²⁹ 29	25 ²⁶ 26	7 ² 2	2 ⁵³ 53	6 ⁵⁹ 59	8 ⁶ 6	3 ⁵² 52	2 ⁵⁵ 55	F 6
S 7	19 0 22	15 ⁸ 43	27 ²² 22	25 ⁵³ 53	9 ⁴ 4	25 ⁴⁷ 47	1 ⁵⁰ 50	15 ³² 32	25 ²⁴ 24	7 ⁴ 4	2 ⁵³ 53	7 ⁰ 0	8 ² 2	3 ⁵⁸ 58	2 ⁵⁸ 58	S 7
S 8	19 4 18	16 ⁵ 55	9 ³⁰ 30	27 ²⁹ 29	10 ¹⁷ 17	26 ²¹ 21	1 ⁴⁶ 46	15 ³⁴ 34	25 ²³ 23	7 ⁶ 6	2 ⁵² 52	7 ¹ 1	7 ⁵⁹ 59	4 ⁵ 5	3 ² 2	S 8
M 9	19 8 15	17 ³ 07	21 ²⁸ 28	29 ⁸ 8	11 ³⁰ 30	26 ⁵⁴ 54	1 ⁴² 42	15 ³⁶ 36	25 ²² 22	7 ⁹ 9	2 ⁵² 52	7 ³ 3	7 ⁵⁶ 56	4 ¹² 12	3 ⁵ 5	M 9
T 10	19 12 11	18 ⁰ 19	3 ²¹ 21	0 ⁵⁰ 50	12 ⁴² 42	27 ²⁷ 27	1 ³⁹ 39	15 ³⁷ 37	25 ²¹ 21	7 ¹¹ 11	2 ⁵² 52	7 ⁴ 4	7 ⁵³ 53	4 ¹⁸ 18	3 ⁹ 9	T 10
W 11	19 16 8	18 ⁵⁷ 32	15 ¹³ 13	2 ³⁶ 36	13 ⁵⁵ 55	28 ⁰ 0	1 ³⁶ 36	15 ³⁹ 39	25 ¹⁹ 19	7 ¹³ 13	2 ⁵² 52	7 ⁵ 5	7 ⁵⁰ 50	4 ²⁵ 25	3 ¹² 12	W 11
T 12	19 20 4	19 ⁵⁴ 45	27 ⁹ 9	4 ²⁴ 24	15 ⁸ 8	28 ³⁴ 34	1 ³³ 33	15 ⁴¹ 41	25 ¹⁸ 18	7 ¹⁵ 15	2 ⁵² 52	7 ⁵ 5	7 ⁴⁷ 47	4 ³² 32	3 ¹⁵ 15	T 12
F 13	19 24 1	20 ⁵¹ 58	9 ¹⁵ 15	6 ¹⁶ 16	16 ²¹ 21	29 ⁸ 8	1 ³⁰ 30	15 ⁴² 42	25 ¹⁷ 17	7 ¹⁷ 17	2 ⁵² 52	7 ⁴ 4	7 ⁴³ 43	4 ³⁸ 38	3 ¹⁹ 19	F 13
S 14	19 27 58	21 ⁴⁹ 12	21 ³³ 33	8 ¹¹ 11	17 ³³ 33	29 ⁴¹ 41	1 ²⁷ 27	15 ⁴⁴ 44	25 ¹⁶ 16	7 ²⁰ 20	2 ⁵² 52	7 ² 2	7 ⁴⁰ 40	4 ⁴⁵ 45	3 ²² 22	S 14
S 15	19 31 54	22 ⁴⁶ 26	4 ¹¹ 11	10 ⁸ 8	18 ⁴⁶ 46	0 ¹⁵ 15	1 ²⁴ 24	15 ⁴⁵ 45	25 ¹⁵ 15	7 ²² 22	2 ⁵² 52	7 ¹ 1	7 ³⁷ 37	4 ⁵² 52	3 ²⁵ 25	S 15
M 16	19 35 51	23 ⁴³ 41	17 ¹ 1	12 ⁷ 7	19 ⁵⁹ 59	0 ⁴⁹ 49	1 ²² 22	15 ⁴⁷ 47	25 ¹⁴ 14	7 ²⁴ 24	2 ⁵² 52	6 ⁵⁹ 59	7 ³⁴ 34	4 ⁵⁹ 59	3 ²⁸ 28	M 16
T 17	19 39 47	24 ⁴⁰ 56	0 ¹⁶ 16	14 ⁹ 9	21 ¹¹ 11	1 ²⁴ 24	1 ²⁰ 20	15 ⁴⁸ 48	25 ¹³ 13	7 ²⁶ 26	2 ⁵² 52	6 ⁵⁷ 57	7 ³¹ 31	5 ⁵ 5	3 ³¹ 31	T 17
W 18	19 43 44	25 ³⁸ 11	13 ⁵¹ 51	16 ¹² 12	22 ²⁴ 24	1 ⁵⁸ 58	1 ¹⁸ 18	15 ⁴⁹ 49	25 ¹³ 13	7 ²⁸ 28	2 ⁵² 52	6 ⁵⁶ 56	7 ²⁷ 27	5 ¹² 12	3 ³⁴ 34	W 18
T 19	19 47 40	26 ³⁵ 27	27 ⁴⁶ 46	18 ¹⁷ 17	23 ³⁷ 37	2 ³² 32	1 ¹⁶ 16	15 ⁵⁰ 50	25 ¹² 12	7 ³⁰ 30	2 ⁵³ 53	6 ⁵⁵ 55	7 ²⁴ 24	5 ¹⁹ 19	3 ³⁷ 37	T 19
F 20	19 51 37	27 ³² 43	11 ⁵⁵ 55	20 ²⁴ 24	24 ⁴⁹ 49	3 ⁷ 7	1 ¹⁴ 14	15 ⁵¹ 51	25 ¹¹ 11	7 ³³ 33	2 ⁵³ 53	6 ⁵⁵ 55	7 ²¹ 21	5 ²⁵ 25	3 ⁴⁰ 40	F 20
S 21	19 55 33	28 ²⁹ 59	26 ¹⁷ 17	22 ³¹ 31	26 ² 2	3 ⁴¹ 41	1 ¹³ 13	15 ⁵¹ 51	25 ¹⁰ 10	7 ³⁵ 35	2 ⁵³ 53	6 ⁵⁶ 56	7 ¹⁸ 18	5 ³² 32	3 ⁴³ 43	S 21
S 22	19 59 30	29 ²⁷ 16	10 ⁴⁴ 44	24 ³⁹ 39	27 ¹⁴ 14	4 ¹⁶ 16	1 ¹² 12	15 ⁵² 52	25 ¹⁰ 10	7 ³⁷ 37	2 ⁵³ 53	6 ⁵⁶ 56	7 ¹⁵ 15	5 ³⁹ 39	3 ⁴⁶ 46	S 22
M 23	20 3 27	0 ¹⁴ 24	25 ¹³ 13	26 ⁴⁷ 47	28 ²⁷ 27	4 ⁵¹ 51	1 ¹⁰ 10	15 ⁵² 52	25 ⁹ 9	7 ³⁹ 39	2 ⁵⁴ 54	6 ⁵⁷ 57	7 ¹² 12	5 ⁴⁵ 45	3 ⁴⁹ 49	M 23
T 24	20 7 23	1 ²¹ 49	9 ¹³ 13	28 ⁵⁵ 55	29 ³⁹ 39	5 ²⁶ 26	1 ¹⁰ 10	15 ⁵³ 53	25 ⁹ 9	7 ⁴¹ 41	2 ⁵⁴ 54	6 ⁵⁷ 57	7 ⁸ 8	5 ⁵² 52	3 ⁵² 52	T 24
W 25	20 11 20	2 ¹⁹ 06	23 ⁵⁷ 57	1 ⁴ 4	0 ⁵² 52	6 ¹ 1	1 ⁹ 9	15 ⁵³ 53	25 ⁸ 8	7 ⁴³ 43	2 ⁵⁴ 54	6 ⁵⁷ 57	7 ⁵ 5	5 ⁵⁹ 59	3 ⁵⁵ 55	W 25
T 26	20 15 16	3 ¹⁶ 24	8 ⁶ 6	3 ¹¹ 11	2 ⁴ 4	6 ³⁶ 36	1 ⁸ 8	15 ⁵³ 53	25 ⁸ 8	7 ⁴⁵ 45	2 ⁵⁵ 55	6 ⁵⁷ 57	7 ² 2	6 ⁶ 6	3 ⁵⁷ 57	T 26
F 27	20 19 13	4 ¹³ 41	22 ³ 3	5 ¹⁸ 18	3 ¹⁶ 16	7 ¹² 12	1 ⁸ 8	15 ⁵⁴ 54	25 ⁷ 7	7 ⁴⁷ 47	2 ⁵⁵ 55	6 ⁵⁷ 57	6 ⁵⁹ 59	6 ¹² 12	4 ⁰ 0	F 27
S 28	20 23 9	5 ¹⁰ 59	5 ¹⁷ 17	7 ²⁴ 24	4 ²⁹ 29	7 ⁴⁷ 47	1 ⁸ 8	15 ⁵⁴ 54	25 ⁷ 7	7 ⁴⁹ 49	2 ⁵⁶ 56	6 ⁵⁷ 57	6 ⁵⁶ 56	6 ¹⁹ 19	4 ³ 3	S 28
S 29	20 27 6	6 ⁸ 18	19 ¹⁷ 17	9 ²⁹ 29	5 ⁴¹ 41	8 ²³ 23	1 ¹⁰ 10	15 ⁵⁴ 54	25 ⁷ 7	7 ⁵¹ 51	2 ⁵⁶ 56	6 ⁵⁷ 57	6 ⁵³ 53	6 ²⁶ 26	4 ⁵ 5	S 29
M 30	20 31 2	7 ⁵ 36	2 ³⁴ 34	11 ³³ 33	6 ⁵³ 53	8 ⁵⁸ 58	1 ⁸ 8	15 ⁵³ 53	25 ⁶ 6	7 ⁵³ 53	2 ⁵⁷ 57	6 ⁵⁷ 57	6 ⁴⁹ 49	6 ³² 32	4 ⁸ 8	M 30
T 31	20 34 59	8 ¹² 56	15 ³⁶ 36	13 ³⁶ 36	8 ⁵ 5	9 ³⁴ 34	1 ⁸ 8	15 ⁵³ 53	25 ⁶ 6	7 ⁵⁵ 55	2 ⁵⁷ 57	6 ⁵⁷ 57	6 ⁴⁶ 46	6 ³⁹ 39	4 ¹⁰ 10	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 2232

geocentric

AUGUST 2232

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 38 56	9♏ 0'15	28♌25	15♏37	9♏18	10♏10	1♌9	15°R53	25°R 6	7♌57	2♏58	6♏57	6♏43	6♏46	4♏13	W 1
T 2	20 42 52	9°57'36	11♏0	17°37	10°30	10°46	1° 9	15°Y52	25°M 6	7°59	2°59	6°R57	6°40	6°53	4°15	T 2
F 3	20 46 49	10°54'57	23°23	19°35	11°42	11°22	1°10	15°52	25°D 6	8° 1	2°59	6°57	6°37	6°59	4°17	F 3
S 4	20 50 45	11°52'19	5♏35	21°31	12°54	11°58	1°11	15°51	25° 6	8° 3	3° 0	6°57	6°33	7° 6	4°19	S 4
S 5	20 54 42	12°49'42	17°38	23°27	14° 6	12°34	1°13	15°50	25° 6	8° 5	3° 1	6°56	6°30	7°13	4°22	S 5
M 6	20 58 38	13°47'05	29°34	25°20	15°18	13°10	1°14	15°49	25° 6	8° 7	3° 2	6°55	6°27	7°19	4°24	M 6
T 7	21 2 35	14°44'30	11°Y26	27°12	16°30	13°47	1°16	15°48	25° 6	8° 9	3° 3	6°54	6°24	7°26	4°26	T 7
W 8	21 6 31	15°41'56	23°18	29° 2	17°42	14°23	1°17	15°47	25° 7	8°11	3° 3	6°53	6°21	7°33	4°28	W 8
T 9	21 10 28	16°39'24	5♏14	0♏51	18°54	15° 0	1°19	15°46	25° 7	8°12	3° 4	6°53	6°18	7°39	4°30	T 9
F 10	21 14 25	17°36'52	17°17	2°38	20° 6	15°37	1°22	15°45	25° 7	8°14	3° 5	6°D52	6°14	7°46	4°32	F 10
S 11	21 18 21	18°34'22	29°34	4°23	21°17	16°14	1°24	15°43	25° 8	8°16	3° 6	6°53	6°11	7°53	4°34	S 11
S 12	21 22 18	19°31'53	12♏7	6° 7	22°29	16°51	1°26	15°42	25° 8	8°18	3° 7	6°53	6° 8	8° 0	4°36	S 12
M13	21 26 14	20°29'26	25° 1	7°49	23°41	17°28	1°29	15°40	25° 8	8°20	3° 8	6°54	6° 5	8° 6	4°37	M13
T 14	21 30 11	21°26'59	8♏19	9°30	24°53	18° 5	1°32	15°39	25° 9	8°21	3° 9	6°56	6° 2	8°13	4°39	T 14
W15	21 34 7	22°24'34	22° 1	11° 9	26° 4	18°42	1°35	15°37	25°10	8°23	3°10	6°56	5°59	8°20	4°41	W15
T 16	21 38 4	23°22'11	6♏8	12°47	27°16	19°19	1°38	15°35	25°10	8°25	3°11	6°R57	5°55	8°26	4°42	T 16
F 17	21 42 0	24°19'48	20°37	14°23	28°28	19°57	1°42	15°33	25°11	8°26	3°13	6°57	5°52	8°33	4°44	F 17
S 18	21 45 57	25°17'27	5♏21	15°58	29°39	20°34	1°45	15°31	25°12	8°28	3°14	6°55	5°49	8°40	4°45	S 18
S 19	21 49 54	26°15'07	20°15	17°31	0♏51	21°12	1°49	15°29	25°13	8°30	3°15	6°53	5°46	8°47	4°47	S 19
M20	21 53 50	27°12'48	5♏9	19° 3	2° 2	21°49	1°53	15°27	25°13	8°31	3°16	6°51	5°43	8°53	4°48	M20
T 21	21 57 47	28°10'30	19°56	20°33	3°13	22°27	1°57	15°24	25°14	8°33	3°18	6°48	5°39	9° 0	4°49	T 21
W22	22 1 43	29° 8'13	4♏30	22° 1	4°25	23° 5	2° 1	15°22	25°15	8°35	3°19	6°46	5°36	9° 7	4°51	W22
T 23	22 5 40	0♏57	18°45	23°28	5°36	23°43	2° 5	15°19	25°16	8°36	3°20	6°44	5°33	9°13	4°52	T 23
F 24	22 9 36	1° 3'42	2♏40	24°53	6°47	24°21	2°10	15°17	25°17	8°38	3°21	6°D44	5°30	9°20	4°53	F 24
S 25	22 13 33	2° 1'29	16°15	26°17	7°59	24°59	2°15	15°14	25°18	8°39	3°23	6°45	5°27	9°27	4°54	S 25
S 26	22 17 29	2°59'16	29°30	27°39	9°10	25°38	2°19	15°11	25°20	8°41	3°24	6°46	5°24	9°33	4°55	S 26
M27	22 21 26	3°57'05	12♌28	29° 0	10°21	26°16	2°24	15° 8	25°21	8°42	3°26	6°48	5°20	9°40	4°56	M27
T 28	22 25 23	4°54'54	25°10	0♏18	11°32	26°54	2°30	15° 5	25°22	8°43	3°27	6°49	5°17	9°47	4°57	T 28
W29	22 29 19	5°52'46	7♏40	1°35	12°43	27°33	2°35	15° 2	25°23	8°45	3°29	6°R49	5°14	9°54	4°57	W29
T 30	22 33 16	6°50'38	19°59	2°51	13°54	28°11	2°40	14°59	25°25	8°46	3°30	6°49	5°11	10° 0	4°58	T 30
F 31	22 37 12	7♏48'32	2♏9	4♏4	15♏5	28♏50	2♏46	14°Y56	25°M26	8♏48	3♏32	6♏46	5♏8	10°Y 7	4♏59	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
W 1	17n59	21s13	0s47	17n50	1n47	9n24	1n26	3s51	0n12	19s38	0n44	3n55	2s31	18s48	0n14	22n 8
T 2	17 44	17 5	0n22	17 13	1 46	8 56	1 25	4 5	0 11	19 39	0 44	3 55	2 31	18 48	0 14	22 8
F 3	17 28	12 18	1 30	16 35	1 45	8 27	1 23	4 20	0 10	19 39	0 44	3 55	2 31	18 48	0 14	22 8
S 4	17 13	7 6	2 32	15 56	1 43	7 58	1 22	4 35	0 9	19 40	0 44	3 54	2 31	18 48	0 14	22 8
S 5	16 56	1 42	3 27	15 16	1 40	7 29	1 20	4 50	0 8	19 40	0 44	3 53	2 32	18 48	0 14	22 8
M 6	16 40	3n41	4 12	14 35	1 37	7 0	1 18	5 5	0 7	19 41	0 43	3 53	2 32	18 48	0 14	22 8
T 7	16 24	8 54	4 46	13 54	1 34	6 30	1 17	5 20	0 6	19 41	0 43	3 52	2 32	18 48	0 14	22 8
W 8	16 7	13 48	5 8	13 12	1 30	6 0	1 15	5 35	0 6	19 42	0 43	3 52	2 32	18 48	0 14	22 8
T 9	15 50	18 13	5 16	12 29	1 25	5 30	1 13	5 50	0 5	19 42	0 43	3 51	2 33	18 48	0 14	22 7
F 10	15 32	21 57	5 11	11 47	1 20	5 0	1 11	6 5	0 4	19 43	0 42	3 50	2 33	18 48	0 14	22 7
S 11	15 15	24 47	4 52	11 3	1 15	4 30	1 9	6 20	0 3	19 44	0 42	3 49	2 33	18 48	0 14	22 7
S 12	14 57	26 29	4 19	10 20	1 9	4 0	1 7	6 35	0 2	19 44	0 42	3 49	2 33	18 48	0 14	22 7
M13	14 39	26 50	3 32	9 36	1 3	3 29	1 4	6 49	0 1	19 45	0 42	3 48	2 34	18 48	0 14	22 7
T 14	14 20	25 40	2 32	8 53	0 57	2 59	1 2	7 4	0 1	19 46	0 42	3 47	2 34	18 49	0 14	22 7
W15	14 2	22 57	1 22	8 9	0 50	2 28	1 0	7 19	0s 0	19 47	0 41	3 46	2 34	18 49	0 14	22 7
T 16	13 43	18 47	0 4	7 25	0 43	1 58	0 57	7 34	0 1	19 48	0 41	3 45	2 35	18 49	0 14	22 7
F 17	13 24	13 25	1s15	6 41	0 36	1 27	0 55	7 49	0 2	19 48	0 41	3 44	2 35	18 49	0 14	22 6
S 18	13 5	7 12	2 30	5 58	0 28	0 56	0 52	8 4	0 3	19 49	0 41	3 43	2 35	18 49	0 13	22 6
S 19	12 45	0 32	3 36	5 15	0 21	0 25	0 50	8 19	0 3	19 50	0 40	3 42	2 35	18 50	0 13	22 6
M20	12 25	6s 8	4 28	4 31	0 13	0s 5	0 47	8 33	0 4	19 51	0 40	3 41	2 35	18 50	0 13	22 6
T 21	12 6	12 26	5 1	3 49	0 4	0 36	0 44	8 48	0 5	19 52	0 40	3 40	2 36	18 50	0 13	22 6
W22	11 46	17 56	5 14	3 6	0s 4	1 7	0 41	9 3	0 6	19 53	0 40	3 39	2 36	18 50	0 13	22 6
T 23	11 25	22 18	5 8	2 24	0 13	1 38	0 38	9 18	0 6	19 54	0 40	3 37	2 36	18 51	0 13	22 6
F 24	11 5	25 18	4 43	1 42	0 21	2 9	0 36	9 32	0 7	19 56	0 39	3 36	2 36	18 51	0 13	22 6
S 25	10 44	26 44	4 3	1 1	0 30	2 40	0 33	9 47	0 8	19 57	0 39	3 35	2 37	18 51	0 13	22 6
S 26	10 24	26 35	3 11	0 20	0 39	3 11	0 29	10 2	0 9	19 58	0 39	3 34	2 37	18 51	0 13	22 5
M27	10 3	24 59	2 10	0s20	0 48	3 41	0 26	10 16	0 9	19 59	0 39	3 32	2 37	18 52	0 13	22 5
T 28	9 42	22 7	1 3	1 0	0 57	4 12	0 23	10 31	0 10	20 0	0 39	3 31	2 37	18 52	0 13	22 5
W29	9 21	18 15	0n 5	1 39	1 6	4 43	0 20	10 46	0 11	20 2	0 38	3 30	2 38	18 52	0 13	22 5
T 30	8 59	13 40	1 11	2 17	1 16	5 13	0 17	11 0	0 12	20 3	0 38	3 28	2 38	18 53	0 13	22 5
F 31	8n38	8s37	2n14	2s55	1s25	5s44	0n13	11s14	0s12	20s 4	0n38	3n27	2s38	18s53	0n13	22n 5

Julian Day Number = 2536493.5, Delta T = 198.41 sec
 Ecliptic obliquity = 23°24'38", Nutation = 0°00'15", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°59'27", Lahiri = 27°06'27"

ASTRODIENST EPHEMERIS for the year 2232
geocentric

SEPTEMBER 2232

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 41 9	8♎46'27	14♏11	5♏15	16♏16	29♏29	2♏52	14°R53	25♎28	8♏49	3♎33	6°R43	5♏5	10°Y14	4♏59	S 1
S 2	22 45 5	9°44'23	26° 8	6°25	17°26	0♎8	2°58	14°Y50	25°29	8°50	3°35	6♏37	5° 1	10°20	5° 0	S 2
M 3	22 49 2	10°42'22	8°Y 2	7°32	18°37	0°47	3° 4	14°46	25°31	8°51	3°37	6°31	4°58	10°27	5° 0	M 3
T 4	22 52 58	11°40'22	19°53	8°37	19°48	1°26	3°10	14°43	25°32	8°53	3°38	6°25	4°55	10°34	5° 1	T 4
W 5	22 56 55	12°38'24	1♏45	9°40	20°58	2° 5	3°17	14°39	25°34	8°54	3°40	6°19	4°52	10°41	5° 1	W 5
T 6	23 0 52	13°36'28	13°41	10°40	22° 9	2°44	3°23	14°36	25°36	8°55	3°42	6°14	4°49	10°47	5° 2	T 6
F 7	23 4 48	14°34'33	25°43	11°38	23°19	3°23	3°30	14°32	25°37	8°56	3°43	6°11	4°45	10°54	5° 2	F 7
S 8	23 8 45	15°32'41	7♏57	12°33	24°30	4° 2	3°37	14°28	25°39	8°57	3°45	6° 9	4°42	11° 1	5° 2	S 8
S 9	23 12 41	16°30'51	20°26	13°25	25°40	4°42	3°44	14°24	25°41	8°58	3°47	6°D 9	4°39	11° 7	5° 2	S 9
M10	23 16 38	17°29'02	3♏51	14°13	26°50	5°21	3°51	14°20	25°43	9° 0	3°49	6°10	4°36	11°14	5°R 2	M10
T 11	23 20 34	18°27'16	16°28	14°59	28° 0	6° 1	3°58	14°16	25°45	9° 1	3°51	6°11	4°33	11°21	5° 2	T 11
W12	23 24 31	19°25'32	0♏8	15°41	29°11	6°41	4° 5	14°12	25°47	9° 2	3°52	6°R12	4°30	11°28	5° 2	W12
T 13	23 28 27	20°23'49	14°15	16°19	0♎21	7°20	4°13	14° 8	25°49	9° 3	3°54	6°12	4°26	11°34	5° 2	T 13
F 14	23 32 24	21°22'09	28°49	16°53	1°31	8° 0	4°20	14° 4	25°51	9° 4	3°56	6°10	4°23	11°41	5° 1	F 14
S 15	23 36 21	22°20'30	13♎45	17°23	2°41	8°40	4°28	14° 0	25°53	9° 4	3°58	6° 6	4°20	11°48	5° 1	S 15
S 16	23 40 17	23°18'53	28°55	17°48	3°51	9°20	4°36	13°56	25°55	9° 5	4° 0	6° 0	4°17	11°54	5° 1	S 16
M17	23 44 14	24°17'18	14♏9	18° 8	5° 0	10° 0	4°44	13°52	25°57	9° 6	4° 2	5°53	4°14	12° 1	5° 0	M17
T 18	23 48 10	25°15'45	29°17	18°23	6°10	10°41	4°52	13°47	25°59	9° 7	4° 4	5°46	4°10	12° 8	5° 0	T 18
W19	23 52 7	26°14'14	14♎9	18°32	7°20	11°21	5° 1	13°43	26° 2	9° 8	4° 6	5°39	4° 7	12°15	4°59	W19
T 20	23 56 3	27°12'44	28°37	18°R35	8°29	12° 1	5° 9	13°39	26° 4	9° 9	4° 8	5°34	4° 4	12°21	4°59	T 20
F 21	0 0 0	28°11'16	12♏40	18°31	9°39	12°42	5°18	13°34	26° 6	9° 9	4°10	5°31	4° 1	12°28	4°58	F 21
S 22	0 3 56	29° 9'49	26°15	18°21	10°48	13°22	5°26	13°30	26° 9	9°10	4°12	5°D30	3°58	12°35	4°57	S 22
S 23	0 7 53	0♏8'24	9♏26	18° 4	11°58	14° 3	5°35	13°25	26°11	9°11	4°14	5°30	3°55	12°41	4°56	S 23
M24	0 11 50	1° 7'01	22°14	17°40	13° 7	14°44	5°44	13°21	26°14	9°11	4°16	5°31	3°51	12°48	4°56	M24
T 25	0 15 46	2° 5'39	4♏45	17° 9	14°16	15°24	5°53	13°16	26°16	9°12	4°18	5°R31	3°48	12°55	4°55	T 25
W26	0 19 43	3° 4'19	17° 2	16°31	15°25	16° 5	6° 2	13°12	26°19	9°12	4°21	5°31	3°45	13° 2	4°54	W26
T 27	0 23 39	4° 3'01	29° 9	15°46	16°34	16°46	6°11	13° 7	26°21	9°13	4°23	5°28	3°42	13° 8	4°53	T 27
F 28	0 27 36	5° 1'44	11♏9	14°55	17°43	17°27	6°21	13° 2	26°24	9°13	4°25	5°23	3°39	13°15	4°51	F 28
S 29	0 31 32	6° 0'29	23° 4	13°58	18°52	18° 8	6°30	12°58	26°27	9°14	4°27	5°15	3°36	13°22	4°50	S 29
S 30	0 35 29	6♏59'17	4°Y57	12♏56	20♎0	18♎49	6♏40	12°Y53	26♎29	9♏14	4♎29	5♏4	3♏32	13°Y28	4♏49	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	8n16	3s18	3n10	3s32	1s34	6s14	0n10	11s29	0s13	20s 5	0n38	3n25	2s38	18s53	0n13	22n 5	1s 2	2n51	16n29	18s34	18s59	8n20	17n42	3s28							
S 2	7 54	2n 5	3 57	4 8	1 44	6 44	0 7	11 43	0 14	20 7	0 37	3 24	2 38	18 54	0 13	22 5	1 2	2 50	16 28	18 36	18 59	8 23	17 42	3 28							
M 3	7 33	7 22	4 33	4 43	1 53	7 14	0 3	11 57	0 15	20 8	0 37	3 23	2 39	18 54	0 13	22 5	1 2	2 49	16 28	18 37	19 0	8 26	17 41	3 28							
T 4	7 11	12 21	4 58	5 17	2 2	7 44	0s 0	12 12	0 15	20 10	0 37	3 21	2 39	18 55	0 13	22 4	1 3	2 48	16 27	18 39	19 1	8 29	17 41	3 29							
W 5	6 49	16 54	5 9	5 50	2 11	8 14	0 4	12 26	0 16	20 11	0 37	3 19	2 39	18 55	0 13	22 4	1 3	2 47	16 27	18 40	19 2	8 32	17 41	3 29							
T 6	6 26	20 49	5 8	6 22	2 20	8 44	0 7	12 40	0 17	20 12	0 37	3 18	2 39	18 55	0 13	22 4	1 3	2 46	16 26	18 41	19 2	8 35	17 41	3 29							
F 7	6 4	23 54	4 53	6 53	2 29	9 13	0 11	12 54	0 17	20 14	0 36	3 16	2 39	18 56	0 13	22 4	1 3	2 45	16 26	18 42	19 3	8 38	17 40	3 30							
S 8	5 42	25 57	4 24	7 23	2 38	9 43	0 15	13 8	0 18	20 15	0 36	3 15	2 39	18 56	0 13	22 4	1 3	2 44	16 25	18 43	19 4	8 41	17 40	3 30							
S 9	5 19	26 46	3 43	7 51	2 47	10 12	0 18	13 22	0 19	20 17	0 36	3 13	2 40	18 57	0 13	22 4	1 3	2 43	16 25	18 43	19 5	8 44	17 40	3 30							
M10	4 56	26 11	2 49	8 18	2 55	10 41	0 22	13 36	0 20	20 18	0 36	3 11	2 40	18 57	0 13	22 4	1 3	2 42	16 25	18 43	19 5	8 47	17 40	3 31							
T 11	4 34	24 8	1 45	8 43	3 4	11 9	0 26	13 50	0 20	20 20	0 36	3 10	2 40	18 58	0 13	22 4	1 3	2 41	16 24	18 42	19 6	8 50	17 39	3 31							
W12	4 11	20 38	0 33	9 7	3 12	11 38	0 30	14 3	0 21	20 21	0 36	3 8	2 40	18 58	0 13	22 4	1 3	2 40	16 24	18 42	19 7	8 53	17 39	3 31							
T 13	3 48	15 50	0s43	9 28	3 19	12 6	0 33	14 17	0 22	20 23	0 35	3 6	2 40	18 59	0 13	22 4	1 3	2 39	16 23	18 42	19 8	8 56	17 39	3 32							
F 14	3 25	10 1	1 59	9 48	3 26	12 34	0 37	14 31	0 22	20 25	0 35	3 5	2 40	18 59	0 13	22 3	1 3	2 38	16 23	18 43	19 8	8 59	17 38	3 32							
S 15	3 2	3 29	3 8	10 6	3 33	13 2	0 41	14 44	0 23	20 26	0 35	3 3	2 40	19 0	0 13	22 3	1 3	2 37	16 23	18 44	19 9	9 2	17 38	3 32							
S 16	2 39	3s20	4 6	10 21	3 39	13 29	0 45	14 58	0 24	20 28	0 35	3 1	2 41	19 0	0 13	22 3	1 3	2 36	16 22	18 45	19 10	9 5	17 37	3 32							
M17	2 16	9 57	4 45	10 34	3 45	13 57	0 49	15 11	0 24	20 29	0 35	2 59	2 41	19 1	0 13	22 3	1 3	2 35	16 22	18 47	19 11	9 8	17 37	3 33							
T 18	1 53	15 57	5 5	10 44	3 50	14 23	0 53	15 24	0 25	20 31	0 34	2 58	2 41	19 1	0 13	22 3	1 3	2 34	16 22	18 49	19 11	9 11	17 37	3 33							
W19	1 30	20 53	5 4	10 51	3 54	14 50	0 57	15 37	0 26	20 33	0 34	2 56	2 41	19 2	0 13	22 3	1 3	2 34	16 21	18 50	19 12	9 14	17 36	3 33							
T 20	1 6	24 25	4 43	10 55	3 57	15 16	1 1	15 50	0 26	20 34	0 34	2 54	2 41	19 2	0 13	22 3	1 3	2 33	16 21	18 51	19 13	9 17	17 36	3 34							
F 21	0 43	26 20	4 5	10 56	3 59	15 42	1 5	16 3	0 27	20 36	0 34	2 52	2 41	19 3	0 13	22 3	1 3	2 32	16 21	18 52	19 14	9 20	17 35	3 34							
S 22	0 20	26 36	3 15	10 53	4 0	16 8	1 8	16 16	0 27	20 38	0 34	2 51	2 41	19 4	0 13	22 3	1 3	2 31	16 20	18 52	19 14	9 22	17 35	3 34							
S 23	0s 3	25 20	2 15	10 46	4 0	16 33	1 12	16 29	0 28	20 40	0 34	2 49	2 41	19 4	0 13	22 3	1 3	2 30	16 20	18 52	19 15	9 25	17 35	3 35							
M24	0 27	22 44	1 11	10 36	3 58	16 58	1 16	16 42	0 29	20 41	0 33	2 47	2 41	19 5	0 13	22 3	1 3	2 29	16 20	18 52	19 16	9 28	17 34	3 35							
T 25	0 50	19 7	0 4	10 21	3 55	17 23	1 20	16 54	0 29	20 43	0 33	2 45	2 42	19 5	0 13	22 3	1 3	2 28	16 19	18 52	19 17	9 31	17 34	3 35							
W26	1 13	14 44	1n 1	10 2	3 50	17 47	1 24	17 7	0 30	20 45	0 33	2 43	2 42	19 6	0 13	22 3	1 3	2 27	16 19	18 52	19 17	9 34	17 33	3 36							
T 27	1 36	9 50	2 3	9 38	3 44	18 11	1 28	17 19	0 31	20 47	0 33	2 41	2 42	19 7	0 13	22 3	1 3	2 26	16 19	18 53	19 18	9 37	17 33	3 36							
F 28	2 0	4 38	2 58	9 10	3 35	18 34	1 32	17 31	0 31	20 48	0 33	2 39	2 42	19 7	0 13	22 2	1 3	2 25	16 18	18 54	19 19	9 40	17 32	3 36							
S 29	2 23	0n42	3 45	8 39	3 25	18 57	1 36	17 43	0 32	20 50	0 33	2 38	2 42	19 8	0 13	22 2	1 3	2 24	16 18	18 56	19 20	9 43	17 32	3 36							
S 30	2s46	5n58	4n22	8s 3	3s12	19s19	1s40	17s55	0s32	20s52	0n32	2n36	2s42	19s 8	0n13	22n 2	1s 3	2n23	16n18	18s59	19s20	9n46	17n31	3s37							

ASTRODIENST EPHEMERIS for the year 2232
geocentric

OCTOBER 2232

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	0 39 25	7♏58'06	16♍49	11°R51	21♌ 9	19♌30	6♊49	12°R48	26♌32	9♏15	4♌31	4°R53	3♏29	13♍35	4°R48	M 1
T 2	0 43 22	8°56'57	28°41	10♏44	22°17	20°12	6°59	12°Y44	26°35	9°15	4°34	4♏40	3°26	13°42	4♌46	T 2
W 3	0 47 18	9°55'50	10♏36	9°37	23°26	20°53	7° 9	12°39	26°38	9°15	4°36	4°29	3°23	13°49	4°45	W 3
T 4	0 51 15	10°54'46	22°35	8°31	24°34	21°34	7°19	12°34	26°40	9°16	4°38	4°18	3°20	13°55	4°43	T 4
F 5	0 55 12	11°53'44	4♌40	7°28	25°42	22°16	7°29	12°30	26°43	9°16	4°40	4°10	3°16	14° 2	4°42	F 5
S 6	0 59 8	12°52'44	16°54	6°30	26°50	22°58	7°39	12°25	26°46	9°16	4°43	4° 4	3°13	14° 9	4°40	S 6
S 7	1 3 5	13°51'46	29°22	5°38	27°58	23°39	7°49	12°20	26°49	9°16	4°45	4° 1	3°10	14°15	4°39	S 7
M 8	1 7 1	14°50'51	12♏ 6	4°54	29° 5	24°21	8° 0	12°15	26°52	9°17	4°47	4°D 0	3° 7	14°22	4°37	M 8
T 9	1 10 58	15°49'58	25°12	4°19	0♊13	25° 3	8°10	12°11	26°55	9°17	4°50	4° 1	3° 4	14°29	4°35	T 9
W10	1 14 54	16°49'07	8♏43	3°54	1°21	25°45	8°21	12° 6	26°58	9°17	4°52	4°R 1	3° 1	14°36	4°33	W10
T 11	1 18 51	17°48'18	22°41	3°39	2°28	26°27	8°31	12° 1	27° 1	9°17	4°54	3°59	2°57	14°42	4°31	T 11
F 12	1 22 47	18°47'32	7♌ 7	3°D35	3°35	27° 9	8°42	11°57	27° 4	9°R17	4°57	3°56	2°54	14°49	4°30	F 12
S 13	1 26 44	19°46'48	21°59	3°42	4°42	27°51	8°53	11°52	27° 8	9°17	4°59	3°50	2°51	14°56	4°28	S 13
S 14	1 30 41	20°46'06	7♏ 9	3°59	5°49	28°33	9° 4	11°47	27°11	9°17	5° 1	3°41	2°48	15° 2	4°25	S 14
M15	1 34 37	21°45'26	22°28	4°26	6°56	29°15	9°15	11°43	27°14	9°17	5° 4	3°31	2°45	15° 9	4°23	M15
T 16	1 38 34	22°44'49	7♌46	5° 3	8° 3	29°58	9°26	11°38	27°17	9°17	5° 6	3°20	2°42	15°16	4°21	T 16
W17	1 42 30	23°44'13	22°49	5°49	9° 9	0♊40	9°37	11°34	27°20	9°16	5° 8	3° 9	2°38	15°23	4°19	W17
T 18	1 46 27	24°43'39	7♊31	6°42	10°16	1°23	9°48	11°29	27°24	9°16	5°11	3° 1	2°35	15°29	4°17	T 18
F 19	1 50 23	25°43'07	21°43	7°43	11°22	2° 5	10° 0	11°25	27°27	9°16	5°13	2°55	2°32	15°36	4°14	F 19
S 20	1 54 20	26°42'37	5♏26	8°51	12°28	2°48	10°11	11°20	27°30	9°16	5°16	2°51	2°29	15°43	4°12	S 20
S 21	1 58 16	27°42'09	18°40	10° 4	13°34	3°31	10°23	11°16	27°34	9°16	5°18	2°50	2°26	15°49	4°10	S 21
M22	2 2 13	28°41'42	1♏29	11°22	14°39	4°14	10°34	11°11	27°37	9°15	5°20	2°50	2°22	15°56	4° 7	M22
T 23	2 6 10	29°41'17	13°57	12°44	15°45	4°56	10°46	11° 7	27°40	9°15	5°23	2°50	2°19	16° 3	4° 5	T 23
W24	2 10 6	0♌40'54	26° 9	14°10	16°50	5°39	10°57	11° 3	27°44	9°15	5°25	2°48	2°16	16°10	4° 2	W24
T 25	2 14 3	1°40'32	8♏10	15°39	17°55	6°22	11° 9	10°58	27°47	9°14	5°28	2°44	2°13	16°16	4° 0	T 25
F 26	2 17 59	2°40'12	20° 5	17°11	19° 0	7° 6	11°21	10°54	27°51	9°14	5°30	2°38	2°10	16°23	3°57	F 26
S 27	2 21 56	3°39'54	1°Y57	18°44	20° 4	7°49	11°33	10°50	27°54	9°13	5°33	2°28	2° 7	16°30	3°54	S 27
S 28	2 25 52	4°39'38	13°48	20°19	21° 9	8°32	11°45	10°46	27°58	9°13	5°35	2°16	2° 3	16°36	3°52	S 28
M29	2 29 49	5°39'24	25°41	21°56	22°13	9°15	11°57	10°42	28° 1	9°12	5°37	2° 2	2° 0	16°43	3°49	M29
T 30	2 33 45	6°39'11	7♏38	23°34	23°17	9°58	12° 9	10°38	28° 5	9°12	5°40	1°48	1°57	16°50	3°46	T 30
W31	2 37 42	7♌39'01	19♏39	25♏12	24♊20	10♊42	12♊21	10°Y34	28♌ 8	9♏11	5♌42	1♏33	1♏54	16°Y57	3♌43	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
M 1	3s 9	11n 1	4n48	7s25	2s58	19s42	1s44	18s 7	0s33	20s54	0n32	2n34	2s42	19s 9	0n13	22n 2	1s 3	2n22	16n18	19s 1	19s21	9n49	17n31	3s37			
T 2	3 33	15 40	5 1	6 44	2 42	20 3	1 48	18 19	0 34	20 55	0 32	2 32	2 42	19 10	0 13	22 2	1 3	2 21	16 17	19 4	19 22	9 52	17 30	3 37			
W 3	3 56	19 44	5 0	6 2	2 25	20 24	1 51	18 30	0 34	20 57	0 32	2 30	2 42	19 10	0 13	22 2	1 3	2 20	16 17	19 7	19 23	9 55	17 29	3 38			
T 4	4 19	23 1	4 47	5 18	2 6	20 45	1 55	18 42	0 35	20 59	0 32	2 28	2 42	19 11	0 13	22 2	1 3	2 19	16 17	19 10	19 23	9 57	17 29	3 38			
F 5	4 42	25 19	4 21	4 36	1 47	21 5	1 59	18 53	0 35	21 1	0 32	2 27	2 42	19 12	0 13	22 2	1 3	2 18	16 17	19 12	19 24	10 0	17 28	3 38			
S 6	5 5	26 27	3 43	3 54	1 27	21 25	2 3	19 4	0 36	21 3	0 31	2 25	2 42	19 12	0 13	22 2	1 3	2 17	16 16	19 13	19 25	10 3	17 28	3 39			
S 7	5 28	26 17	2 53	3 15	1 6	21 44	2 7	19 15	0 36	21 4	0 31	2 23	2 42	19 13	0 13	22 2	1 3	2 16	16 16	19 14	19 26	10 6	17 27	3 39			
M 8	5 51	24 45	1 53	2 39	0 46	22 3	2 10	19 26	0 37	21 6	0 31	2 21	2 42	19 14	0 13	22 2	1 3	2 16	16 16	19 14	19 26	10 9	17 27	3 39			
T 9	6 13	21 50	0 47	2 6	0 26	22 21	2 14	19 37	0 38	21 8	0 31	2 19	2 42	19 15	0 12	22 2	1 3	2 15	16 16	19 14	19 27	10 12	17 26	3 39			
W10	6 36	17 40	0s25	1 39	0 7	22 39	2 17	19 47	0 38	21 10	0 31	2 17	2 42	19 15	0 12	22 2	1 3	2 14	16 16	19 14	19 28	10 15	17 25	3 40			
T 11	6 59	12 24	1 37	1 16	0n12	22 56	2 21	19 58	0 39	21 12	0 31	2 16	2 42	19 16	0 12	22 2	1 3	2 13	16 15	19 14	19 28	10 18	17 25	3 40			
F 12	7 21	6 19	2 46	0 59	0 29	23 13	2 25	20 8	0 39	21 13	0 30	2 14	2 42	19 17	0 12	22 2	1 4	2 12	16 15	19 15	19 29	10 20	17 24	3 40			
S 13	7 44	0s16	3 45	0 47	0 44	23 29	2 28	20 18	0 40	21 15	0 30	2 12	2 42	19 17	0 12	22 2	1 4	2 11	16 15	19 16	19 30	10 23	17 24	3 41			
S 14	8 6	6 57	4 29	0 41	0 59	23 44	2 31	20 28	0 40	21 17	0 30	2 10	2 42	19 18	0 12	22 2	1 4	2 10	16 15	19 18	19 31	10 26	17 23	3 41			
M15	8 28	13 18	4 55	0 40	1 11	23 59	2 35	20 38	0 41	21 19	0 30	2 8	2 42	19 19	0 12	22 2	1 4	2 9	16 15	19 21	19 31	10 29	17 22	3 41			
T 16	8 50	18 48	5 0	0 44	1 23	24 13	2 38	20 48	0 41	21 21	0 30	2 7	2 42	19 20	0 12	22 2	1 4	2 8	16 15	19 23	19 32	10 32	17 22	3 41			
W17	9 12	23 1	4 43	0 54	1 32	24 27	2 41	20 57	0 42	21 23	0 30	2 5	2 42	19 20	0 12	22 2	1 4	2 8	16 15	19 26	19 33	10 35	17 21	3 42			
T 18	9 34	25 37	4 8	1 7	1 41	24 40	2 44	21 6	0 42	21 24	0 30	2 3	2 42	19 21	0 12	22 2	1 4	2 7	16 14	19 28	19 34	10 38	17 20	3 42			
F 19	9 56	26 28	3 19	1 25	1 47	24 53	2 48	21 15	0 43	21 26	0 29	2 2	2 42	19 22	0 12	22 2	1 4	2 6	16 14	19 29	19 34	10 40	17 20	3 42			
S 20	10 17	25 37	2 19	1 46	1 53	25 5	2 51	21 24	0 43	21 28	0 29	2 0	2 42	19 23	0 12	22 2	1 4	2 5	16 14	19 30	19 35	10 43	17 19	3 42			
S 21	10 39	23 20	1 14	2 11	1 57	25 16	2 53	21 33	0 44	21 30	0 29	1 58	2 42	19 24	0 12	22 2	1 4	2 4	16 14	19 30	19 36	10 46	17 18	3 43			
M22	11 0	19 55	0 7	2 39	2 0	25 27	2 56	21 42	0 44	21 32	0 29	1 57	2 42	19 24	0 12	22 2	1 4	2 3	16 14	19 30	19 36	10 49	17 18	3 43			
T 23	11 21	15 41	0n58	3 9	2 2	25 37	2 59	21 50	0 45	21 33	0 29	1 55	2 41	19 25	0 12	22 2	1 4	2 3	16 14	19 30	19 37	10 52	17 17	3 43			
W24	11 42	10 54	2 0	3 42	2 3	25 47	3 2	21 58	0 45	21 35	0 29	1 53	2 41	19 26	0 12	22 2	1 4	2 2	16 14	19 31	19 38	10 55	17 16	3 43			
T 25	12 3	5 47	2 55	4 16	2 3	25 55	3 4	22 6	0 46	21 37	0 29	1 52	2 41	19 27	0 12	22 2	1 4	2 1	16 14	19 31	19 39	10 57	17 16	3 44			
F 26	12 23	0 31	3 42	4 52	2 2	26 4	3 7	22 14	0 46	21 39	0 29	1 50	2 41	19 27	0 12	22 2	1 4	2 0	16 14	19 33	19 39	11 0	17 15	3 44			
S 27	12 43	4n44	4 19	5 29	2 0	26 11	3 9	22 21	0 47	21 40	0 28	1 49	2 41	19 28	0 12	22 2	1 4	1 59	16 14	19 35	19 40	11 3	17 14	3 44			
S 28	13 4	9 48	4 44	6 7	1 58	26 18	3 12	22 29	0 47	21 42	0 28	1 47	2 41	19 29	0 12	22 2	1 4	1 59	16 14	19 38	19 41	11 6	17 13	3 44			
M29	13 23	14 32	4 57	6 45	1 55	26 25	3 14	22 36	0 48	21 44	0 28	1 46	2 41	19 30	0 12	22 2	1 4	1 58	16 14	19 41	19 41	11 9	17 13	3 44			
T 30	13 43	18 43	4 58	7 25	1 51	26 30	3 16	22 43	0 48	21 46	0 28	1 44	2 41	19 31	0 12	22 2	1 4	1 57	16 14	19 44	19 42	11 11	17 12	3 45			
W31	14s 3	22n11	4n45	8s 4	1n47	26s35	3s18	22s50	0s49	21s47	0n28	1n43	2s41	19s31	0n12	22n 2	1s 4	1n56	16n14	19s47	19s43	11n14	17n11	3s45			

ASTRODIENST EPHEMERIS for the year 2232
geocentric

NOVEMBER 2232

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 41 39	8♑38°52	1♊46	26♏51	25♎24	11♏25	12♏33	10°R30	28♑12	9°R10	5♑45	1°R21	1♑51	17°Y 3	3°R41	T 1
F 2	2 45 35	9°38'46	14° 0	28°30	26°27	12° 9	12°46	10°Y26	28°15	9°10	5°47	1°11	1°47	17°10	3♊38	F 2
S 3	2 49 32	10°38'42	26°22	0♑10	27°29	12°53	12°58	10°23	28°19	9° 9	5°50	1° 3	1°44	17°17	3°35	S 3
S 4	2 53 28	11°38'40	8♏55	1°49	28°32	13°36	13°11	10°19	28°22	9° 8	5°52	0°59	1°41	17°23	3°32	S 4
M 5	2 57 25	12°38'40	21°43	3°29	29°34	14°20	13°23	10°15	28°26	9° 8	5°54	0°58	1°38	17°30	3°29	M 5
T 6	3 1 21	13°38'42	4♏47	5° 9	0♑36	15° 4	13°36	10°12	28°30	9° 7	5°57	0°D57	1°35	17°37	3°26	T 6
W 7	3 5 18	14°38'46	18°11	6°48	1°38	15°48	13°48	10° 8	28°33	9° 6	5°59	0°R57	1°32	17°44	3°23	W 7
T 8	3 9 14	15°38'52	1♑58	8°27	2°39	16°32	14° 1	10° 5	28°37	9° 5	6° 2	0°57	1°28	17°50	3°20	T 8
F 9	3 13 11	16°39'00	16°10	10° 6	3°40	17°16	14°13	10° 2	28°41	9° 4	6° 4	0°54	1°25	17°57	3°17	F 9
S 10	3 17 8	17°39'11	0♑45	11°45	4°40	18° 0	14°26	9°58	28°44	9° 3	6° 6	0°48	1°22	18° 4	3°14	S 10
S 11	3 21 4	18°39'23	15°39	13°23	5°41	18°44	14°39	9°55	28°48	9° 2	6° 9	0°40	1°19	18°10	3°11	S 11
M12	3 25 1	19°39'38	0♑46	15° 1	6°40	19°28	14°52	9°52	28°52	9° 1	6°11	0°30	1°16	18°17	3° 8	M12
T 13	3 28 57	20°39'54	15°54	16°39	7°40	20°12	15° 5	9°49	28°55	9° 0	6°14	0°19	1°13	18°24	3° 4	T 13
W14	3 32 54	21°40'13	0♑55	18°16	8°39	20°57	15°17	9°46	28°59	8°59	6°16	0° 9	1° 9	18°31	3° 1	W14
T 15	3 36 50	22°40'33	15°37	19°53	9°38	21°41	15°30	9°43	29° 3	8°58	6°18	0° 0	1° 6	18°37	2°58	T 15
F 16	3 40 47	23°40'54	29°55	21°30	10°36	22°26	15°43	9°41	29° 7	8°57	6°21	29°54	1° 3	18°44	2°55	F 16
S 17	3 44 43	24°41'17	13♑44	23° 6	11°33	23°10	15°56	9°38	29°10	8°56	6°23	29°51	1° 0	18°51	2°52	S 17
S 18	3 48 40	25°41'42	27° 5	24°42	12°31	23°55	16°10	9°36	29°14	8°55	6°25	29°D50	0°57	18°58	2°48	S 18
M19	3 52 37	26°42'07	9♑59	26°18	13°27	24°40	16°23	9°33	29°18	8°54	6°28	29°50	0°53	19° 4	2°45	M19
T 20	3 56 33	27°42'34	22°31	27°54	14°24	25°24	16°36	9°31	29°21	8°53	6°30	29°R50	0°50	19°11	2°42	T 20
W21	4 0 30	28°43'03	4♑45	29°29	15°19	26° 9	16°49	9°29	29°25	8°52	6°32	29°50	0°47	19°18	2°39	W21
T 22	4 4 26	29°43'32	16°46	1♑ 4	16°14	26°54	17° 2	9°26	29°29	8°50	6°34	29°49	0°44	19°24	2°35	T 22
F 23	4 8 23	0♑44'03	28°40	2°39	17° 9	27°39	17°15	9°24	29°33	8°49	6°37	29°45	0°41	19°31	2°32	F 23
S 24	4 12 19	1°44'35	10°Y31	4°13	18° 3	28°24	17°29	9°22	29°36	8°48	6°39	29°38	0°38	19°38	2°29	S 24
S 25	4 16 16	2°45'08	22°23	5°48	18°56	29° 9	17°42	9°21	29°40	8°47	6°41	29°29	0°34	19°45	2°26	S 25
M26	4 20 12	3°45'43	4♑19	7°22	19°49	29°54	17°55	9°19	29°44	8°45	6°43	29°19	0°31	19°51	2°22	M26
T 27	4 24 9	4°46'19	16°21	8°56	20°41	0♑39	18° 9	9°17	29°47	8°44	6°46	29° 8	0°28	19°58	2°19	T 27
W28	4 28 6	5°46'57	28°31	10°30	21°32	1°24	18°22	9°16	29°51	8°43	6°48	28°57	0°25	20° 5	2°16	W28
T 29	4 32 2	6°47'35	10♑50	12° 3	22°22	2° 9	18°35	9°14	29°55	8°41	6°50	28°48	0°22	20°11	2°12	T 29
F 30	4 35 59	7♑48'16	23♑18	13♑37	23♑12	2♑55	18♑49	9°Y13	29♑59	8°40	6♑52	28♑41	0°19	20°Y18	2♑ 9	F 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s22	24n43	4n19	8s44	1n43	26s40	3s20	22s56	0s49	21s49	0n28	1n41	2s41	19s32	0n12	22n 2	1s 4	1n56	16n14	19s50	19s44	11n17	17n11	3s45	
F 2	14 41	26 6	3 41	9 24	1 38	26 43	3 22	23 2	0 50	21 51	0 28	1 40	2 40	19 33	0 12	22 2	1 4	1 55	16 14	19 52	19 44	11 20	17 10	3 45	
S 3	15 0	26 13	2 52	10 4	1 33	26 47	3 23	23 9	0 50	21 52	0 28	1 39	2 40	19 34	0 12	22 2	1 4	1 54	16 14	19 54	19 45	11 23	17 9	3 46	
S 4	15 19	25 0	1 54	10 43	1 28	26 49	3 25	23 14	0 50	21 54	0 27	1 37	2 40	19 35	0 12	22 2	1 4	1 53	16 14	19 55	19 46	11 25	17 8	3 46	
M 5	15 37	22 28	0 49	11 23	1 22	26 51	3 26	23 20	0 51	21 56	0 27	1 36	2 40	19 35	0 12	22 2	1 4	1 53	16 14	19 55	19 46	11 28	17 8	3 46	
T 6	15 55	18 43	0s20	12 2	1 16	26 52	3 28	23 25	0 51	21 57	0 27	1 35	2 40	19 36	0 12	22 2	1 4	1 52	16 14	19 55	19 47	11 31	17 7	3 46	
W 7	16 13	13 56	1 30	12 40	1 10	26 53	3 29	23 31	0 52	21 59	0 27	1 34	2 40	19 37	0 12	22 2	1 4	1 51	16 14	19 55	19 48	11 34	17 6	3 46	
T 8	16 30	8 19	2 36	13 18	1 4	26 53	3 30	23 36	0 52	22 1	0 27	1 33	2 39	19 38	0 12	22 2	1 4	1 51	16 14	19 55	19 48	11 37	17 5	3 46	
F 9	16 48	2 9	3 35	13 55	0 57	26 52	3 31	23 40	0 53	22 2	0 27	1 31	2 39	19 39	0 12	22 2	1 4	1 50	16 14	19 56	19 49	11 39	17 5	3 47	
S 10	17 5	4s18	4 22	14 32	0 51	26 51	3 32	23 45	0 53	22 4	0 27	1 30	2 39	19 39	0 12	22 2	1 4	1 49	16 14	19 57	19 50	11 42	17 4	3 47	
S 11	17 21	10 38	4 51	15 8	0 44	26 49	3 32	23 49	0 53	22 5	0 27	1 29	2 39	19 40	0 12	22 2	1 4	1 49	16 14	19 59	19 51	11 45	17 3	3 47	
M12	17 38	16 26	5 2	15 44	0 37	26 47	3 33	23 53	0 54	22 7	0 26	1 28	2 39	19 41	0 12	22 2	1 4	1 48	16 14	20 1	19 51	11 48	17 2	3 47	
T 13	17 54	21 13	4 51	16 18	0 31	26 44	3 33	23 57	0 54	22 8	0 26	1 27	2 39	19 42	0 12	22 2	1 4	1 47	16 14	20 4	19 52	11 50	17 2	3 47	
W14	18 10	24 33	4 20	16 52	0 24	26 40	3 33	24 0	0 55	22 10	0 26	1 26	2 38	19 43	0 12	22 2	1 4	1 47	16 15	20 6	19 53	11 53	17 1	3 47	
T 15	18 25	26 9	3 32	17 25	0 17	26 36	3 33	24 4	0 55	22 11	0 26	1 25	2 38	19 44	0 12	22 2	1 4	1 46	16 15	20 8	19 53	11 56	17 0	3 48	
F 16	18 40	25 57	2 32	17 57	0 10	26 31	3 33	24 7	0 55	22 13	0 26	1 24	2 38	19 44	0 12	22 2	1 4	1 46	16 15	20 9	19 54	11 59	16 59	3 48	
S 17	18 55	24 6	1 25	18 28	0 3	26 26	3 32	24 10	0 56	22 14	0 26	1 24	2 38	19 45	0 12	22 2	1 4	1 45	16 15	20 10	19 55	12 1	16 59	3 48	
S 18	19 10	20 57	0 15	18 59	0s 3	26 20	3 32	24 12	0 56	22 16	0 26	1 23	2 38	19 46	0 12	22 2	1 4	1 44	16 15	20 10	19 55	12 4	16 58	3 48	
M19	19 24	16 51	0n54	19 28	0 10	26 14	3 31	24 14	0 56	22 17	0 26	1 22	2 37	19 47	0 12	22 2	1 4	1 44	16 15	20 10	19 56	12 7	16 57	3 48	
T 20	19 38	12 8	1 58	19 56	0 17	26 7	3 30	24 16	0 57	22 19	0 26	1 21	2 37	19 48	0 12	22 3	1 4	1 43	16 15	20 10	19 57	12 10	16 56	3 48	
W21	19 51	7 3	2 55	20 24	0 23	25 59	3 29	24 18	0 57	22 20	0 25	1 21	2 37	19 48	0 12	22 3	1 4	1 43	16 16	20 10	19 57	12 12	16 56	3 48	
T 22	20 4	1 47	3 43	20 50	0 30	25 51	3 27	24 20	0 57	22 22	0 25	1 20	2 37	19 49	0 12	22 3	1 4	1 42	16 16	20 10	19 58	12 15	16 55	3 48	
F 23	20 17	3n28	4 21	21 16	0 36	25 43	3 26	24 21	0 58	22 23	0 25	1 19	2 37	19 50	0 12	22 3	1 4	1 42	16 16	20 11	19 59	12 18	16 54	3 49	
S 24	20 29	8 34	4 48	21 40	0 43	25 34	3 24	24 22	0 58	22 24	0 25	1 19	2 36	19 51	0 12	22 3	1 4	1 41	16 16	20 12	20 0	12 21	16 54	3 49	
S 25	20 41	13 22	5 2	22 3	0 49	25 25	3 22	24 23	0 58	22 26	0 25	1 18	2 36	19 52	0 12	22 3	1 4	1 41	16 16	20 14	20 0	12 23	16 53	3 49	
M26	20 53	17 42	5 3	22 25	0 55	25 15	3 20	24 23	0 59	22 27	0 25	1 18	2 36	19 52	0 12	22 3	1 4	1 40	16 17	20 16	20 1	12 26	16 52	3 49	
T 27	21 4	21 21	4 51	22 46	1 1	25 4	3 17	24 23	0 59	22 28	0 25	1 17	2 36	19 53	0 12	22 3	1 4	1 40	16 17	20 18	20 2	12 29	16 51	3 49	
W28	21 15	24 7	4 26	23 6	1 7	24 54	3 15	24 23	0 59	22 29	0 25	1 17	2 35	19 54	0 12	22 3	1 5	1 39	16 17	20 21	20 2	12 31	16 51	3 49	
T 29	21 25	25 47	3 47	23 25	1 13	24 43	3 12	24 23	1 0	22 31	0 25	1 17	2 35	19 55	0 12	22 3	1 5	1 39	16 17	20 22	20 3	12 34	16 50	3 49	
F 30	21s35	26n12	2n58	23s42	1s18	24s31	3s 9	24s23	1s 0	22s32	0n25	1n16	2s35	19s56	0n12	22n 3	1s 5	1n39	16n18	20s24	20s 4	12n37	16n49	3s49	

ASTRODIENST EPHEMERIS for the year 2232
geocentric

DECEMBER 2232

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	4 39 55	8°48'57	5°57	15°10	24°31	3°340	19°12	9°R11	0°2	8°R38	6°M54	28°R36	0°15	20°Y25	2°R 6	S 1
S 2	4 43 52	9°49'40	18°46	16°43	24°49	4°25	19°16	9°Y10	0° 6	8°37	6°56	28°33	0°12	20°32	2°II 3	S 2
M 3	4 47 48	10°50'25	1°47	18°17	25°36	5°11	19°29	9° 9	0°10	8°36	6°59	28°D33	0° 9	20°38	1°59	M 3
T 4	4 51 45	11°51'11	15° 1	19°50	26°22	5°56	19°43	9° 8	0°13	8°34	7° 1	28°34	0° 6	20°45	1°56	T 4
W 5	4 55 42	12°51'58	28°30	21°23	27° 7	6°42	19°56	9° 8	0°17	8°33	7° 3	28°35	0° 3	20°52	1°53	W 5
T 6	4 59 38	13°52'47	12°14	22°56	27°51	7°28	20°10	9° 7	0°21	8°31	7° 5	28°R36	29°359	20°59	1°50	T 6
F 7	5 3 35	14°53'37	26°16	24°28	28°34	8°13	20°23	9° 6	0°24	8°30	7° 7	28°35	29°56	21° 5	1°47	F 7
S 8	5 7 31	15°54'29	10°33	26° 1	29°17	8°59	20°37	9° 6	0°28	8°28	7° 9	28°33	29°53	21°12	1°43	S 8
S 9	5 11 28	16°55'22	25° 5	27°34	29°58	9°45	20°50	9° 5	0°32	8°26	7°11	28°28	29°50	21°19	1°40	S 9
M10	5 15 24	17°56'16	9°46	29° 6	0°38	10°30	21° 4	9° 5	0°35	8°25	7°13	28°23	29°47	21°25	1°37	M10
T11	5 19 21	18°57'12	24°30	0°39	1°16	11°16	21°17	9° 5	0°39	8°23	7°15	28°16	29°44	21°32	1°34	T11
W12	5 23 17	19°58'09	9°9	2°11	1°54	12° 2	21°31	9°D 5	0°42	8°22	7°17	28°10	29°40	21°39	1°31	W12
T13	5 27 14	20°59'07	23°37	3°44	2°30	12°48	21°45	9° 5	0°46	8°20	7°19	28° 5	29°37	21°46	1°28	T13
F14	5 31 11	22° 0'06	7°346	5°16	3° 5	13°34	21°58	9° 5	0°50	8°19	7°21	28° 1	29°34	21°52	1°25	F14
S15	5 35 7	23° 1'05	21°32	6°47	3°38	14°20	22°12	9° 5	0°53	8°17	7°22	28°D 0	29°31	21°59	1°22	S15
S16	5 39 4	24° 2'06	4°54	8°19	4°10	15° 6	22°25	9° 6	0°57	8°15	7°24	28° 0	29°28	22° 6	1°19	S16
M17	5 43 0	25° 3'07	17°52	9°50	4°40	15°53	22°39	9° 6	1° 0	8°14	7°26	28° 1	29°25	22°13	1°16	M17
T18	5 46 57	26° 4'08	0°28	11°21	5° 9	16°39	22°53	9° 7	1° 4	8°12	7°28	28° 3	29°21	22°19	1°13	T18
W19	5 50 53	27° 5'10	12°46	12°51	5°36	17°25	23° 6	9° 7	1° 7	8°10	7°30	28° 4	29°18	22°26	1°10	W19
T20	5 54 50	28° 6'12	24°50	14°20	6° 1	18°11	23°20	9° 8	1°10	8° 9	7°31	28°R 5	29°15	22°33	1° 7	T20
F21	5 58 46	29° 7'15	6°46	15°49	6°24	18°58	23°33	9° 9	1°14	8° 7	7°33	28° 5	29°12	22°39	1° 5	F21
S22	6 2 43	0°38'18	18°38	17°17	6°46	19°44	23°47	9°10	1°17	8° 5	7°35	28° 3	29° 9	22°46	1° 2	S22
S23	6 6 40	1° 9'21	0°31	18°44	7° 6	20°30	24° 0	9°11	1°21	8° 4	7°36	28° 1	29° 5	22°53	0°59	S23
M24	6 10 36	2°10'25	12°29	20° 9	7°23	21°17	24°14	9°13	1°24	8° 2	7°38	27°57	29° 2	23° 0	0°56	M24
T25	6 14 33	3°11'30	24°35	21°33	7°39	22° 3	24°28	9°14	1°27	8° 0	7°40	27°52	28°59	23° 6	0°54	T25
W26	6 18 29	4°12'34	6°53	22°54	7°52	22°50	24°41	9°15	1°31	7°59	7°41	27°48	28°56	23°13	0°51	W26
T27	6 22 26	5°13'39	19°24	24°14	8° 4	23°36	24°55	9°17	1°34	7°57	7°43	27°44	28°53	23°20	0°49	T27
F28	6 26 22	6°14'45	2°9	25°31	8°13	24°23	25° 8	9°19	1°37	7°55	7°44	27°42	28°50	23°26	0°46	F28
S29	6 30 19	7°15'50	15° 8	26°45	8°19	25°10	25°22	9°20	1°40	7°53	7°46	27°40	28°46	23°33	0°44	S29
S30	6 34 15	8°16'56	28°20	27°55	8°23	25°56	25°35	9°22	1°44	7°52	7°47	27°D40	28°43	23°40	0°41	S30
M31	6 38 12	9°18'03	11°45	29°31	8°R25	26°343	25°48	9°Y24	1°47	7°50	7°M49	27°340	28°340	23°Y47	0°II39	M31

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	21s45	25n15	1n59	23s58	1s24	24s19	3s 5	24s22	1s 0	22s33	0n24	1n16	2s35	19s56	0n12	22n 3	1s 5	1n38	16n18	20s25	20s 4	12n40	16n49	3s49									
S 2	21 54	22 58	0 52	24 13	1 29	24 7	3 2	24 21	1 0	22 34	0 24	1 16	2 35	19 57	0 12	22 3	1 5	1 38	16 18	20 26	20 5	12 42	16 48	3 49									
M 3	22 3	19 27	0s17	24 27	1 34	23 55	2 58	24 19	1 1	22 35	0 24	1 16	2 34	19 58	0 12	22 4	1 5	1 37	16 18	20 26	20 6	12 45	16 47	3 49									
T 4	22 11	14 55	1 28	24 40	1 39	23 42	2 54	24 18	1 1	22 37	0 24	1 15	2 34	19 59	0 12	22 4	1 5	1 37	16 19	20 25	20 6	12 48	16 47	3 49									
W 5	22 19	9 34	2 35	24 51	1 43	23 29	2 49	24 16	1 1	22 38	0 24	1 15	2 34	20 0	0 12	22 4	1 5	1 37	16 19	20 25	20 7	12 50	16 46	3 49									
T 6	22 26	3 40	3 34	25 1	1 48	23 15	2 45	24 13	1 1	22 39	0 24	1 15	2 34	20 0	0 12	22 4	1 5	1 36	16 19	20 25	20 8	12 53	16 45	3 49									
F 7	22 33	2s31	4 22	25 10	1 52	23 1	2 40	24 11	1 2	22 40	0 24	1 15	2 33	20 1	0 12	22 4	1 5	1 36	16 20	20 25	20 8	12 56	16 45	3 50									
S 8	22 40	8 41	4 54	25 17	1 56	22 47	2 34	24 8	1 2	22 41	0 24	1 15	2 33	20 2	0 12	22 4	1 5	1 36	16 20	20 26	20 9	12 58	16 44	3 50									
S 9	22 46	14 29	5 9	25 23	1 59	22 33	2 29	24 5	1 2	22 42	0 24	1 15	2 33	20 3	0 12	22 4	1 5	1 35	16 20	20 26	20 10	13 1	16 43	3 50									
M10	22 52	19 31	5 3	25 27	2 3	22 19	2 23	24 2	1 2	22 43	0 24	1 15	2 33	20 3	0 12	22 4	1 5	1 35	16 21	20 28	20 10	13 4	16 43	3 50									
T11	22 57	23 21	4 38	25 30	2 6	22 4	2 16	23 58	1 3	22 44	0 24	1 16	2 32	20 4	0 12	22 4	1 5	1 35	16 21	20 29	20 11	13 6	16 42	3 50									
W12	23 2	25 39	3 54	25 32	2 9	21 49	2 10	23 55	1 3	22 45	0 23	1 16	2 32	20 5	0 12	22 4	1 5	1 35	16 21	20 30	20 12	13 9	16 41	3 50									
T13	23 6	26 11	2 56	25 32	2 11	21 34	2 3	23 50	1 3	22 46	0 23	1 16	2 32	20 6	0 12	22 4	1 5	1 34	16 22	20 31	20 12	13 12	16 41	3 50									
F14	23 10	24 59	1 48	25 31	2 13	21 19	1 56	23 46	1 3	22 47	0 23	1 16	2 32	20 6	0 12	22 5	1 5	1 34	16 22	20 32	20 13	13 14	16 40	3 50									
S15	23 14	22 16	0 35	25 29	2 15	21 4	1 48	23 41	1 3	22 48	0 23	1 17	2 31	20 7	0 12	22 5	1 5	1 34	16 22	20 32	20 14	13 17	16 40	3 50									
S16	23 17	18 25	0n38	25 24	2 16	20 49	1 40	23 37	1 4	22 49	0 23	1 17	2 31	20 8	0 12	22 5	1 5	1 34	16 23	20 32	20 14	13 20	16 39	3 50									
M17	23 19	13 46	1 46	25 19	2 17	20 34	1 32	23 31	1 4	22 49	0 23	1 17	2 31	20 9	0 12	22 5	1 5	1 33	16 23	20 32	20 15	13 22	16 38	3 50									
T18	23 21	8 40	2 48	25 12	2 17	20 18	1 23	23 26	1 4	22 50	0 23	1 18	2 31	20 9	0 12	22 5	1 5	1 33	16 23	20 32	20 16	13 25	16 38	3 50									
W19	23 23	3 22	3 41	25 3	2 17	20 3	1 14	23 20	1 4	22 51	0 23	1 18	2 30	20 10	0 12	22 5	1 5	1 33	16 24	20 31	20 16	13 27	16 37	3 50									
T20	23 24	1n58	4 22	24 54	2 16	19 48	1 5	23 14	1 4	22 52	0 23	1 19	2 30	20 11	0 12	22 5	1 5	1 33	16 24	20 31	20 17	13 30	16 37	3 50									
F21	23 24	7 9	4 52	24 42	2 15	19 32	0 55	23 8	1 4	22 52	0 23	1 20	2 30	20 11	0 12	22 5	1 5	1 33	16 25	20 31	20 18	13 33	16 36	3 49									
S22	23 25	12 3	5 9	24 30	2 13	19 17	0 45	23 2	1 5	22 53	0 23	1 20	2 30	20 12	0 12	22 5	1 5	1 33	16 25	20 32	20 18	13 35	16 36	3 49									
S23	23 24	16 31	5 13	24 15	2 11	19 2	0 35	22 55	1 5	22 54	0 23	1 21	2 29	20 13	0 12	22 5	1 5	1 33	16 26	20 32	20 19	13 38	16 35	3 49									
M24	23 24	20 22	5 3	24 0	2 7	18 47	0 24	22 48	1 5	22 55	0 23	1 22	2 29	20 13	0 12	22 6	1 5	1 33	16 26	20 33	20 20	13 41	16 35	3 49									
T25	23 22	23 25	4 40	23 43	2 4	18 32	0 12	22 41	1 5	22 55	0 22	1 22	2 29	20 14	0 12	22 6	1 5	1 32	16 26	20 34	20 20	13 43	16 34	3 49									
W26	23 21	25 26	4 4	23 25	1 59	18 17	0 1	22 33	1 5	22 56	0 22	1 23	2 29	20 15	0 12	22 6	1 5	1 32	16 27	20 35	20 21	13 46	16 34	3 49									
T27	23 18	26 14	3 15	23 6	1 54	18 3	0n11	22 25	1 5	22 56	0 22	1 24	2 28	20 15	0 12	22 6	1 5	1 32	16 27	20 35	20 22	13 48	16 33	3 49									
F28	23 16	25 39	2 16	22 46	1 47	17 48	0 24	22 17	1 5	22 57	0 22	1 25	2 28	20 16	0 12	22 6	1 5	1 32	16 28	20 36	20 22	13 51	16 33	3 49									
S29	23 13	23 41	1 9	22 25	1 40	17 34	0 37	22 9	1 6	22 58	0 22	1 26	2 28	20 17	0 12	22 6	1 5	1 32	16 28	20 36	20 23	13 54	16 32	3 49									
S30	23 9	20 25	0s 4	22 4	1 32	17 20	0 50	22 0	1 6	22 58	0 22	1 27	2 28	20 17	0 12	22 6	1 5	1 32	16 29	20 36	20 23	13 56	16 32	3 49									
M31	23s 5	16n 1	1s17	21s41	1s23	17s 7	1n 3	21s52	1s 6	22s59	0n22	1n28	2s27	20s18	0n12	22n 6	1s 5	1n32	16n29	20s36	20s24	13n59	16n32	3s49									