



Astrodienst Ephemeris Tables for the year 1671

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 1671
geocentric

JANUARY 1671 GC

00:00 UT

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

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s 3	7n 0	1n50	24s35	1s 7	23s36	0s 8	4s28	0s33	16n48	0n51	11s56	1s44	9s35	0s45	19s58	0n14	19n 9	4s20	3n 9	3n16	7s10	3s37	4n46
F 2	22 58	1 20	0 49	24 39	1 12	23 38	0 10	4 10	0 32	16 50	0 51	11 54	1 44	9 34	0 45	19 58	0 14	19 9	4 20	3 8	3 15	7 13	3 36	4 46
S 3	22 52	4s19	0s13	24 41	1 18	23 38	0 13	3 52	0 30	16 52	0 52	11 52	1 44	9 33	0 45	19 57	0 14	19 9	4 20	3 8	3 14	7 17	3 35	4 46
S 4	22 46	9 49	1 15	24 42	1 23	23 38	0 15	3 34	0 29	16 53	0 52	11 50	1 44	9 32	0 45	19 57	0 14	19 9	4 19	3 8	3 12	7 20	3 35	4 46
M 5	22 39	14 59	2 14	24 41	1 28	23 37	0 17	3 16	0 28	16 55	0 52	11 48	1 44	9 31	0 45	19 56	0 14	19 9	4 19	3 7	3 11	7 23	3 34	4 45
T 6	22 32	19 39	3 7	24 39	1 32	23 35	0 20	2 58	0 27	16 57	0 52	11 46	1 44	9 31	0 45	19 56	0 14	19 9	4 19	3 6	3 10	7 27	3 33	4 45
W 7	22 25	23 35	3 53	24 36	1 36	23 33	0 22	2 40	0 26	16 59	0 52	11 43	1 44	9 30	0 45	19 56	0 14	19 9	4 19	3 4	3 9	7 30	3 33	4 45
T 8	22 17	26 32	4 29	24 31	1 41	23 30	0 24	2 22	0 25	17 1	0 53	11 41	1 43	9 29	0 45	19 55	0 14	19 9	4 19	3 0	3 7	7 33	3 32	4 45
F 9	22 9	28 11	4 52	24 24	1 44	23 26	0 27	2 4	0 23	17 3	0 53	11 39	1 43	9 28	0 45	19 55	0 14	19 9	4 19	2 56	3 6	7 37	3 31	4 44
S 10	22 0	28 19	5 1	24 16	1 48	23 21	0 29	1 46	0 22	17 6	0 53	11 37	1 43	9 27	0 45	19 54	0 14	19 9	4 19	2 51	3 5	7 40	3 30	4 44
S 11	21 51	26 48	4 53	24 7	1 51	23 16	0 31	1 28	0 21	17 8	0 53	11 35	1 43	9 26	0 45	19 54	0 14	19 10	4 19	2 45	3 4	7 44	3 29	4 44
M 12	21 41	23 41	4 28	23 56	1 54	23 10	0 33	1 10	0 20	17 10	0 53	11 32	1 43	9 25	0 45	19 53	0 14	19 10	4 19	2 41	3 2	7 47	3 29	4 43
T 13	21 31	19 9	3 47	23 44	1 57	23 3	0 36	0 52	0 19	17 12	0 54	11 30	1 43	9 24	0 45	19 53	0 14	19 10	4 19	2 37	3 1	7 50	3 28	4 43
W 14	21 21	13 32	2 52	23 30	1 59	22 56	0 38	0 34	0 18	17 14	0 54	11 28	1 43	9 23	0 45	19 52	0 14	19 10	4 19	2 34	3 0	7 54	3 27	4 43
T 15	21 10	7 11	1 46	23 14	2 1	22 47	0 40	0 16	0 17	17 17	0 54	11 25	1 43	9 22	0 45	19 52	0 14	19 10	4 19	2 32	2 59	7 57	3 26	4 43
F 16	20 59	0 29	0 33	22 57	2 2	22 38	0 42	0n 2	0 16	17 19	0 54	11 23	1 43	9 21	0 45	19 51	0 14	19 10	4 18	2 32	2 57	8 0	3 25	4 42
S 17	20 47	6n15	0n42	22 38	2 4	22 29	0 44	0 20	0 15	17 21	0 54	11 21	1 43	9 20	0 45	19 51	0 14	19 10	4 18	2 32	2 56	8 4	3 24	4 42
S 18	20 35	12 40	1 54	22 18	2 4	22 19	0 46	0 38	0 14	17 23	0 55	11 18	1 43	9 18	0 45	19 50	0 14	19 10	4 18	2 32	2 55	8 7	3 23	4 42
M 19	20 23	18 25	2 59	21 56	2 5	22 8	0 48	0 56	0 13	17 26	0 55	11 16	1 43	9 17	0 45	19 50	0 14	19 10	4 18	2 31	2 54	8 10	3 22	4 42
T 20	20 10	23 9	3 53	21 33	2 5	21 56	0 50	1 14	0 11	17 28	0 55	11 13	1 43	9 16	0 45	19 49	0 14	19 11	4 18	2 30	2 52	8 14	3 22	4 42
W 21	19 57	26 32	4 33	21 8	2 4	21 44	0 52	1 32	0 10	17 31	0 55	11 11	1 43	9 15	0 45	19 49	0 14	19 11	4 18	2 28	2 51	8 17	3 21	4 41
T 22	19 43	28 17	4 57	20 41	2 3	21 31	0 54	1 50	0 9	17 33	0 55	11 9	1 43	9 14	0 45	19 48	0 14	19 11	4 18	2 25	2 50	8 20	3 20	4 41
F 23	19 29	28 18	5 3	20 12	2 2	21 17	0 56	2 8	0 8	17 35	0 55	11 6	1 43	9 13	0 44	19 48	0 14	19 11	4 18	2 21	2 49	8 24	3 19	4 41
S 24	19 15	26 39	4 53	19 43	2 0	21 3	0 57	2 26	0 7	17 38	0 55	11 4	1 43	9 12	0 44	19 47	0 14	19 11	4 18	2 17	2 47	8 27	3 18	4 41
S 25	19 0	23 32	4 27	19 11	1 57	20 48	0 59	2 43	0 6	17 40	0 56	11 1	1 43	9 11	0 44	19 47	0 14	19 11	4 18	2 12	2 46	8 30	3 17	4 40
M 26	18 45	19 19	3 47	18 38	1 54	20 33	1 1	3 1	0 5	17 42	0 56	10 59	1 43	9 10	0 44	19 46	0 14	19 11	4 17	2 8	2 45	8 34	3 15	4 40
T 27	18 30	14 18	2 57	18 3	1 51	20 17	1 3	3 19	0 4	17 45	0 56	10 56	1 43	9 8	0 44	19 46	0 14	19 11	4 17	2 5	2 44	8 37	3 14	4 40
W 28	18 14	8 49	1 59	17 27	1 47	20 0	1 4	3 36	0 3	17 47	0 56	10 54	1 42	9 7	0 44	19 46	0 14	19 12	4 17	2 3	2 42	8 40	3 13	4 40
T 29	17 58	3 7	0 57	16 50	1 42	19 43	1 6	3 54	0 3	17 50	0 56	10 51	1 42	9 6	0 44	19 45	0 13	19 12	4 17	2 2	2 41	8 44	3 12	4 40
F 30	17 42	2s37	0s 7	16 11	1 36	19 25	1 7	4 12	0 2	17 52	0 56	10 48	1 42	9 5	0 44	19 45	0 13	19 12	4 17	2 2	2 40	8 47	3 11	4 39
S 31	17s26	8s13	1s10	15s31	1s30	19s 7	1s 9	4n29	0s 1	17n54	0n56	10s46	1s42	9s 4	0s44	19s44	0n13	19n12	4s17	2n 2	2n38	8s50	3s10	4n39

ASTRODIENST EPHEMERIS for the year 1671
geocentric

FEBRUARY 1671 GC

00:00 UT

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

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	17s 9	13s30	2s10	14s50	1s23	18s48	1s10	4n46	0n 0	17n57	0n56	10s43	1s42	9s 2	0s44	19s44
M 2	16 51	18 20	3 5	14 7	1 16	18 28	1 11	5 4	0 1	17 59	0 57	10 41	1 42	9 1	0 44	19 43
T 3	16 34	22 30	3 52	13 24	1 7	18 8	1 13	5 21	0 2	18 1	0 57	10 38	1 42	9 0	0 44	19 43
W 4	16 16	25 46	4 30	12 39	0 58	17 48	1 14	5 39	0 3	18 4	0 57	10 36	1 42	8 59	0 44	19 42
T 5	15 58	27 53	4 55	11 54	0 49	17 27	1 15	5 56	0 4	18 6	0 57	10 33	1 42	8 58	0 44	19 42
F 6	15 40	28 36	5 7	11 9	0 38	17 5	1 16	6 13	0 5	18 8	0 57	10 30	1 42	8 56	0 44	19 41
S 7	15 21	27 43	5 4	10 24	0 27	16 43	1 17	6 30	0 6	18 11	0 57	10 28	1 42	8 55	0 44	19 41
S 8	15 2	25 9	4 43	9 38	0 15	16 21	1 18	6 47	0 7	18 13	0 57	10 25	1 42	8 54	0 44	19 40
M 9	14 43	21 3	4 4	8 53	0 2	15 58	1 19	7 4	0 7	18 15	0 57	10 22	1 42	8 53	0 44	19 40
T 10	14 24	15 38	3 10	8 9	0n11	15 35	1 20	7 21	0 8	18 18	0 57	10 20	1 42	8 51	0 44	19 39
W 11	14 4	9 18	2 2	7 25	0 25	15 11	1 21	7 38	0 9	18 20	0 57	10 17	1 42	8 50	0 44	19 39
T 12	13 44	2 25	0 47	6 43	0 39	14 47	1 22	7 55	0 10	18 22	0 57	10 14	1 42	8 49	0 44	19 38
F 13	13 24	4n35	0n33	6 3	0 54	14 22	1 23	8 11	0 11	18 24	0 58	10 12	1 42	8 48	0 44	19 38
S 14	13 4	11 18	1 49	5 25	1 9	13 57	1 23	8 28	0 12	18 26	0 58	10 9	1 42	8 46	0 44	19 37
S 15	12 43	17 22	2 58	4 50	1 25	13 32	1 24	8 44	0 12	18 28	0 58	10 6	1 42	8 45	0 44	19 37
M 16	12 23	22 24	3 55	4 18	1 40	13 6	1 24	9 1	0 13	18 30	0 58	10 3	1 42	8 44	0 44	19 36
T 17	12 2	26 6	4 37	3 49	1 56	12 40	1 25	9 17	0 14	18 32	0 58	10 1	1 42	8 42	0 44	19 36
W 18	11 41	28 12	5 3	3 24	2 11	12 14	1 25	9 33	0 15	18 34	0 58	9 58	1 42	8 41	0 44	19 36
T 19	11 20	28 37	5 12	3 3	2 26	11 47	1 26	9 50	0 16	18 36	0 58	9 55	1 42	8 40	0 44	19 35
F 20	10 58	27 21	5 3	2 47	2 40	11 20	1 26	10 6	0 16	18 38	0 58	9 53	1 43	8 39	0 44	19 35
S 21	10 37	24 38	4 40	2 35	2 53	10 52	1 26	10 22	0 17	18 40	0 58	9 50	1 43	8 37	0 44	19 34
S 22	10 15	20 43	4 2	2 28	3 5	10 25	1 26	10 38	0 18	18 42	0 58	9 47	1 43	8 36	0 44	19 34
M 23	9 53	15 56	3 13	2 26	3 16	9 57	1 26	10 53	0 19	18 44	0 58	9 44	1 43	8 35	0 44	19 33
T 24	9 31	10 34	2 16	2 29	3 25	9 29	1 26	11 9	0 19	18 46	0 58	9 42	1 43	8 33	0 44	19 33
W 25	9 9	4 53	1 13	2 36	3 32	9 0	1 26	11 25	0 20	18 48	0 58	9 39	1 43	8 32	0 44	19 32
T 26	8 46	0s53	0 7	2 48	3 38	8 32	1 26	11 40	0 21	18 49	0 58	9 36	1 43	8 31	0 44	19 32
F 27	8 24	6 35	0s58	3 4	3 41	8 3	1 26	11 55	0 22	18 51	0 58	9 33	1 43	8 29	0 44	19 32
S 28	8s 1	12s 1	2s 0	3s24	3n43	7s34	1s26	12n11	0n22	18n53	0n58	9s31	1s43	8s28	0s44	19s31

Julian Day Number = 2331411.5, Delta T = 29.05 sec
Ecliptic obliquity = 23°29'04, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°08'57, Lahiri = 19°15'57Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1671

geocentric

MARCH 1671 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 35 11	10°30'20	8°11	11°R40	15°H25	1°B39	9°R16	9°H53	10°H11	2°≈ 6	0°R58	3°Y53	5°Y 6	23°Δ 0	12°H44	S 1
M 2	10 39 7	11°30'23	19°52	10°H40	16°40	2°21	9°Δ10	10° 0	10°14	2° 8	0°B57	3°55	5° 3	23° 7	12°47	M 2
T 3	10 43 4	12°30'23	1°X50	9°39	17°55	3° 2	9° 5	10° 8	10°18	2°10	0°57	3°56	5° 0	23°13	12°51	T 3
W 4	10 47 0	13°30'22	14° 1	8°39	19° 9	3°44	8°59	10°15	10°21	2°12	0°57	3°R56	4°57	23°20	12°55	W 4
T 5	10 50 57	14°30'20	26°28	7°41	20°24	4°25	8°54	10°22	10°24	2°14	0°57	3°56	4°54	23°27	12°59	T 5
F 6	10 54 54	15°30'16	9°B17	6°46	21°39	5° 7	8°48	10°30	10°28	2°16	0°56	3°54	4°50	23°33	13° 3	F 6
S 7	10 58 50	16°30'10	22°31	5°56	22°54	5°48	8°43	10°37	10°31	2°17	0°56	3°52	4°47	23°40	13° 7	S 7
S 8	11 2 47	17°30'02	6°≈11	5°11	24° 9	6°30	8°39	10°44	10°35	2°19	0°56	3°50	4°44	23°46	13°10	S 8
M 9	11 6 43	18°29'52	20°17	4°31	25°23	7°11	8°34	10°52	10°38	2°21	0°56	3°48	4°41	23°53	13°14	M 9
T 10	11 10 40	19°29'41	4°H46	3°57	26°38	7°53	8°29	10°59	10°42	2°23	0°56	3°46	4°38	24° 0	13°18	T 10
W11	11 14 36	20°29'28	19°32	3°29	27°53	8°34	8°25	11° 6	10°45	2°24	0°56	3°45	4°35	24° 6	13°22	W11
T 12	11 18 33	21°29'12	4°Y30	3° 8	29° 7	9°15	8°21	11°14	10°48	2°26	0°56	3°D45	4°31	24°13	13°26	T 12
F 13	11 22 29	22°28'55	19°29	2°53	0°Y22	9°56	8°17	11°21	10°52	2°27	0°56	3°45	4°28	24°20	13°29	F 13
S 14	11 26 26	23°28'36	4°B23	2°44	1°37	10°38	8°13	11°28	10°55	2°29	0°56	3°46	4°25	24°26	13°33	S 14
S 15	11 30 23	24°28'14	19° 4	2°D41	2°51	11°19	8° 9	11°35	10°58	2°31	0°D56	3°47	4°22	24°33	13°37	S 15
M16	11 34 19	25°27'50	3°H27	2°45	4° 6	12° 0	8° 6	11°43	11° 2	2°32	0°56	3°47	4°19	24°40	13°41	M16
T 17	11 38 16	26°27'24	17°29	2°54	5°20	12°41	8° 2	11°50	11° 5	2°34	0°56	3°48	4°15	24°46	13°44	T 17
W18	11 42 12	27°26'55	1°B10	3° 8	6°35	13°22	7°59	11°57	11° 9	2°35	0°56	3°R48	4°12	24°53	13°48	W18
T 19	11 46 9	28°26'24	14°30	3°28	7°49	14° 3	7°56	12° 4	11°12	2°37	0°56	3°48	4° 9	25° 0	13°52	T 19
F 20	11 50 5	29°25'51	27°31	3°52	9° 4	14°44	7°53	12°11	11°15	2°38	0°56	3°47	4° 6	25° 6	13°56	F 20
S 21	11 54 2	0°Y25'15	10°Δ16	4°21	10°18	15°25	7°51	12°19	11°19	2°40	0°56	3°47	4° 3	25°13	13°59	S 21
S 22	11 57 58	1°24'37	22°45	4°55	11°33	16° 6	7°48	12°26	11°22	2°41	0°56	3°46	4° 0	25°20	14° 3	S 22
M23	12 1 55	2°23'57	5°H 3	5°33	12°47	16°47	7°46	12°33	11°25	2°42	0°56	3°46	3°56	25°26	14° 7	M23
T 24	12 5 52	3°23'15	17°11	6°14	14° 2	17°28	7°44	12°40	11°28	2°44	0°56	3°D46	3°53	25°33	14°10	T 24
W25	12 9 48	4°22'30	29°11	6°59	15°16	18° 9	7°42	12°47	11°32	2°45	0°57	3°R46	3°50	25°40	14°14	W25
T 26	12 13 45	5°21'43	11°Δ 5	7°48	16°30	18°50	7°41	12°54	11°35	2°46	0°57	3°46	3°47	25°46	14°18	T 26
F 27	12 17 41	6°20'55	22°55	8°40	17°45	19°31	7°39	13° 1	11°38	2°48	0°57	3°46	3°44	25°53	14°21	F 27
S 28	12 21 38	7°20'04	4°H43	9°35	18°59	20°11	7°38	13° 8	11°41	2°49	0°57	3°46	3°41	26° 0	14°25	S 28
S 29	12 25 34	8°19'11	16°33	10°33	20°13	20°52	7°37	13°15	11°44	2°50	0°58	3°45	3°37	26° 6	14°28	S 29
M30	12 29 31	9°18'17	28°26	11°34	21°27	21°33	7°36	13°22	11°48	2°51	0°58	3°45	3°34	26°13	14°32	M30
T 31	12 33 27	10°Y17'21	10°X26	12°H37	22°Y42	22°B13	7°Δ35	13°H28	11°H51	2°≈52	0°B59	3°Y44	3°Y31	26°Δ20	14°H36	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	7s39	17s 0	2s57	3s46	3n42	7s 4	1s26	12n26	0n23	18n54	0n58	9s28	1s43	8s27	0s44	19s31
M 2	7 16	21 23	3 47	4 12	3 39	6 35	1 25	12 41	0 24	18 56	0 58	9 25	1 43	8 25	0 44	19 30
T 3	6 53	24 56	4 28	4 39	3 34	6 5	1 25	12 56	0 24	18 57	0 58	9 22	1 43	8 24	0 44	19 30
W 4	6 30	27 26	4 57	5 8	3 28	5 35	1 24	13 11	0 25	18 59	0 58	9 20	1 43	8 23	0 44	19 30
T 5	6 7	28 39	5 13	5 37	3 19	5 6	1 24	13 25	0 26	19 0	0 58	9 17	1 43	8 22	0 44	19 29
F 6	5 43	28 23	5 15	6 7	3 9	4 35	1 23	13 40	0 26	19 1	0 58	9 14	1 43	8 20	0 44	19 29
S 7	5 20	26 31	4 59	6 36	2 58	4 5	1 22	13 55	0 27	19 3	0 58	9 11	1 43	8 19	0 44	19 28
S 8	4 57	23 4	4 27	7 4	2 45	3 35	1 22	14 9	0 28	19 4	0 58	9 9	1 43	8 18	0 44	19 28
M 9	4 33	18 12	3 38	7 31	2 32	3 4	1 21	14 23	0 28	19 5	0 58	9 6	1 43	8 16	0 44	19 28
T 10	4 10	12 10	2 34	7 56	2 18	2 34	1 20	14 37	0 29	19 6	0 58	9 3	1 43	8 15	0 44	19 27
W11	3 46	5 21	1 18	8 19	2 4	2 3	1 19	14 51	0 30	19 7	0 58	9 1	1 43	8 14	0 44	19 27
T 12	3 23	1n51	0n 4	8 41	1 49	1 33	1 18	15 5	0 30	19 9	0 58	8 58	1 44	8 13	0 44	19 26
F 13	2 59	8 58	1 26	9 0	1 34	1 2	1 17	15 19	0 31	19 10	0 58	8 55	1 44	8 11	0 44	19 26
S 14	2 36	15 33	2 42	9 17	1 20	0 31	1 16	15 32	0 32	19 10	0 58	8 52	1 44	8 10	0 44	19 26
S 15	2 12	21 8	3 46	9 32	1 5	0 0	1 15	15 46	0 32	19 11	0 58	8 50	1 44	8 9	0 44	19 25
M16	1 48	25 22	4 34	9 44	0 50	0n30	1 14	15 59	0 33	19 12	0 58	8 47	1 44	8 7	0 44	19 25
T 17	1 25	27 57	5 5	9 54	0 36	1 1	1 12	16 12	0 33	19 13	0 58	8 44	1 44	8 6	0 44	19 25
W18	1 1	28 46	5 17	10 2	0 22	1 32	1 11	16 25	0 34	19 14	0 57	8 42	1 44	8 5	0 44	19 24
T 19	0 37	27 52	5 12	10 7	0 9	2 3	1 10	16 38	0 35	19 15	0 57	8 39	1 44	8 4	0 44	19 24
F 20	0 14	25 27	4 51	10 10	0s 4	2 33	1 8	16 51	0 35	19 15	0 57	8 36	1 44	8 2	0 44	19 24
S 21	0n10	21 48	4 16	10 11	0 17	3 4	1 7	17 4	0 36	19 16	0 57	8 34	1 44	8 1	0 44	19 23
S 22	0 34	17 14	3 29	10 10	0 29	3 35	1 5	17 16	0 36	19 16	0 57	8 31	1 44	8 0	0 44	19 23
M23	0 57	12 3	2 33	10 7	0 40	4 5	1 4	17 28	0 37	19 17	0 57	8 28	1 45	7 59	0 44	19 23
T 24	1 21	6 28	1 31	10 2	0 51	4 36	1 2	17 40	0 37	19 17	0 57	8 26	1 45	7 57	0 44	19 22
W25	1 45	0 43	0 25	9 55	1 1	5 6	1 0	17 52	0 38	19 18	0 57	8 23	1 45	7 56	0 44	19 22
T 26	2 8	5s 1	0s41	9 46	1 11	5 36	0 58	18 4	0 38	19 18	0 57	8 21	1 45	7 55	0 44	19 22
F 27	2 32	10 32	1 44	9 35	1 21	6 6	0 57	18 16	0 39	19 19	0 57	8 18	1 45	7 54	0 44	19 22
S 28	2 55	15 41	2 44	9 22	1 29	6 36	0 55	18 28	0 40	19 19	0 57	8 15	1 45	7 53	0 44	19 21
S 29	3 18	20 16	3 36	9 8	1 38	7 6	0 53	18 39	0 40	19 19	0 57	8 13	1 45	7 51	0 44	19 21
M30	3 42	24 3	4 19	8 52	1 45	7 36	0 51	18 50	0 41	19 19	0 57	8 10	1 45	7 50	0 44	19 21
T 31	4n 5	26s52	4s52	8s34	1s52	8n 5	0s49	19n 1	0n41	19n19	0n57	8s 8	1s45	7s49	0s44	19s20

Julian Day Number = 2331439.5, Delta T = 29.00 sec
 Ecliptic obliquity = 23°29'05, Nutation = - 0°00'01, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°09'01, Lahiri = 19°16'01Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1671

geocentric

APRIL 1671 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 37 24	11°16'23	22°37'37	13°43'43	23°56'56	22°54'54	7°R35	13°35'35	11°54'54	2°54'54	0°59'59	3°R43	3°Y28	26°26'26	14°39'39	W 1
T 2	12 41 21	12°15'23	5°3'3	14°52'52	25°10'10	23°35'35	7°Q34	13°42'42	11°57'57	2°55'55	0°59'59	3°Y43	3°25'25	26°33'33	14°43'43	T 2
F 3	12 45 17	13°14'21	17°47'47	16°2'2	26°24'24	24°15'15	7°D34	13°49'49	12°0'0	2°56'56	1°0'0	3°D43	3°21'21	26°40'40	14°46'46	F 3
S 4	12 49 14	14°13'18	0°54'54	17°15'15	27°38'38	24°56'56	7°34'34	13°55'55	12°3'3	2°57'57	1°0'0	3°43'43	3°18'18	26°46'46	14°49'49	S 4
S 5	12 53 10	15°12'13	14°26'26	18°30'30	28°52'52	25°36'36	7°34'34	14°2'2	12°6'6	2°58'58	1°1'1	3°44'44	3°15'15	26°53'53	14°53'53	S 5
M 6	12 57 7	16°11'06	28°24'24	19°47'47	0°8'6	26°17'17	7°35'35	14°9'9	12°9'9	2°59'59	1°1'1	3°45'45	3°12'12	26°59'59	14°56'56	M 6
T 7	13 1 3	17°9'57	12°49'49	21°7'7	1°21'21	26°57'57	7°35'35	14°15'15	12°12'12	3°0'0	1°2'2	3°46'46	3°9'9	27°6'6	15°0'0	T 7
W 8	13 5 0	18°8'47	27°36'36	22°28'28	2°35'35	27°38'38	7°36'36	14°22'22	12°15'15	3°1'1	1°2'2	3°R46	3°6'6	27°13'13	15°3'3	W 8
T 9	13 8 56	19°7'34	12°Y40	23°51'51	3°49'49	28°18'18	7°37'37	14°28'28	12°18'18	3°1'1	1°3'3	3°46'46	3°2'2	27°19'19	15°6'6	T 9
F 10	13 12 53	20°6'20	27°52'52	25°15'15	5°3'3	28°58'58	7°38'38	14°35'35	12°21'21	3°2'2	1°3'3	3°45'45	2°59'59	27°26'26	15°10'10	F 10
S 11	13 16 50	21°5'04	13°8'3	26°42'42	6°16'16	29°39'39	7°40'40	14°41'41	12°24'24	3°3'3	1°4'4	3°44'44	2°56'56	27°33'33	15°13'13	S 11
S 12	13 20 46	22°3'45	28°2'2	28°10'10	7°30'30	0°II19	7°41'41	14°48'48	12°26'26	3°4'4	1°5'5	3°41'41	2°53'53	27°39'39	15°16'16	S 12
M13	13 24 43	23°2'25	12°II43	29°41'41	8°44'44	0°59'59	7°43'43	14°54'54	12°29'29	3°5'5	1°5'5	3°39'39	2°50'50	27°46'46	15°19'19	M13
T 14	13 28 39	24°1'02	27°0'0	1°Y13	9°58'58	1°39'39	7°45'45	15°0'0	12°32'32	3°5'5	1°6'6	3°37'37	2°47'47	27°53'53	15°22'22	T 14
W15	13 32 36	24°59'37	10°59'37	2°46'46	11°12'12	2°20'20	7°47'47	15°7'7	12°35'35	3°6'6	1°7'7	3°35'35	2°43'43	27°59'59	15°26'26	W15
T 16	13 36 32	25°58'10	24°12'12	4°21'21	12°26'26	3°0'0	7°49'49	15°13'13	12°38'38	3°7'7	1°7'7	3°D35	2°40'40	28°6'6	15°29'29	T 16
F 17	13 40 29	26°56'41	7°Q11	5°59'59	13°40'40	3°40'40	7°52'52	15°19'19	12°40'40	3°7'7	1°8'8	3°35'35	2°37'37	28°13'13	15°32'32	F 17
S 18	13 44 25	27°55'09	19°48'48	7°37'37	14°53'53	4°20'20	7°54'54	15°25'25	12°43'43	3°8'8	1°9'9	3°36'36	2°34'34	28°19'19	15°35'35	S 18
S 19	13 48 22	28°53'35	2°M8	9°18'18	16°7'7	5°0'0	7°57'57	15°31'31	12°46'46	3°8'8	1°10'10	3°38'38	2°31'31	28°26'26	15°38'38	S 19
M20	13 52 19	29°51'59	14°15'15	11°0'0	17°21'21	5°40'40	8°0'0	15°37'37	12°48'48	3°9'9	1°10'10	3°39'39	2°27'27	28°33'33	15°41'41	M20
T 21	13 56 15	0°50'21	26°13'13	12°44'44	18°34'34	6°20'20	8°3'3	15°43'43	12°51'51	3°9'9	1°11'11	3°40'40	2°24'24	28°39'39	15°44'44	T 21
W22	14 0 12	1°48'41	8°5'5	14°29'29	19°48'48	7°0'0	8°6'6	15°49'49	12°53'53	3°10'10	1°12'12	3°R41	2°21'21	28°46'46	15°47'47	W22
T 23	14 4 8	2°46'59	19°53'53	16°17'17	21°1'1	7°40'40	8°10'10	15°55'55	12°56'56	3°10'10	1°13'13	3°39'39	2°18'18	28°53'53	15°50'50	T 23
F 24	14 8 5	3°45'15	1°M42	18°6'6	22°15'15	8°20'20	8°14'14	16°0'0	12°58'58	3°11'11	1°14'14	3°37'37	2°15'15	28°59'59	15°52'52	F 24
S 25	14 12 1	4°43'30	13°32'32	19°57'57	23°29'29	9°0'0	8°17'17	16°6'6	13°1'1	3°11'11	1°15'15	3°33'33	2°12'12	29°6'6	15°55'55	S 25
S 26	14 15 58	5°41'42	25°26'26	21°49'49	24°42'42	9°40'40	8°21'21	16°12'12	13°3'3	3°11'11	1°15'15	3°27'27	2°8'8	29°13'13	15°58'58	S 26
M27	14 19 54	6°39'54	7°J25	23°44'44	25°56'56	10°20'20	8°26'26	16°17'17	13°5'5	3°12'12	1°16'16	3°22'22	2°5'5	29°19'19	16°1'1	M27
T 28	14 23 51	7°38'03	19°32'32	25°40'40	27°9'9	10°59'59	8°30'30	16°23'23	13°8'8	3°12'12	1°17'17	3°16'16	2°2'2	29°26'26	16°3'3	T 28
W29	14 27 48	8°36'11	1°Z49	27°37'37	28°22'22	11°39'39	8°34'34	16°28'28	13°10'10	3°12'12	1°18'18	3°10'10	1°59'59	29°33'33	16°6'6	W29
T 30	14 31 44	9°34'18	14°Z18	29°Y37	29°8'36	12°II19	8°Q39	16°J34	13°J12	3°12'12	1°19'19	3°Y6	1°Y56	29°J39	16°J9	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	4n28	28s28	5s11	8s15	1s59	8n34	0s47	19n12	0n42	19n19	0n57	8s 5	1s46	7s48	0s44	19s20	0n13	19n21	4s 8	1n29	1n23	12s 6	1s49	4n35	
T 2	4 51	28 40	5 17	7 54	2 5	9 4	0 45	19 23	0 42	19 19	0 57	8 3	1 46	7 47	0 44	19 20	0 13	19 21	4 8	1 29	1 22	12 9	1 48	4 36	
F 3	5 14	27 23	5 8	7 31	2 11	9 33	0 43	19 33	0 43	19 19	0 56	8 0	1 46	7 45	0 44	19 20	0 13	19 21	4 8	1 29	1 20	12 12	1 46	4 36	
S 4	5 37	24 35	4 42	7 7	2 16	10 1	0 41	19 44	0 43	19 19	0 56	7 58	1 46	7 44	0 44	19 20	0 13	19 21	4 8	1 29	1 19	12 15	1 45	4 36	
S 5	6 0	20 22	4 1	6 42	2 20	10 30	0 39	19 54	0 43	19 19	0 56	7 55	1 46	7 43	0 44	19 19	0 13	19 21	4 8	1 29	1 18	12 18	1 44	4 36	
M 6	6 23	14 55	3 4	6 15	2 24	10 58	0 36	20 4	0 44	19 19	0 56	7 53	1 46	7 42	0 44	19 19	0 13	19 21	4 7	1 30	1 16	12 22	1 42	4 36	
T 7	6 45	8 31	1 54	5 47	2 27	11 26	0 34	20 14	0 44	19 19	0 56	7 51	1 46	7 41	0 44	19 19	0 13	19 22	4 7	1 30	1 15	12 25	1 41	4 36	
W 8	7 8	1 29	0 34	5 18	2 30	11 54	0 32	20 24	0 45	19 18	0 56	7 48	1 46	7 40	0 44	19 19	0 13	19 22	4 7	1 30	1 14	12 28	1 39	4 36	
T 9	7 30	5n46	0n49	4 47	2 32	12 21	0 29	20 33	0 45	19 18	0 56	7 46	1 47	7 39	0 45	19 18	0 13	19 22	4 7	1 30	1 13	12 31	1 38	4 36	
F 10	7 52	12 45	2 9	4 15	2 34	12 48	0 27	20 43	0 46	19 18	0 56	7 43	1 47	7 38	0 45	19 18	0 13	19 22	4 7	1 30	1 11	12 34	1 37	4 36	
S 11	8 15	18 58	3 21	3 41	2 35	13 15	0 25	20 52	0 46	19 17	0 56	7 41	1 47	7 37	0 45	19 18	0 13	19 22	4 7	1 29	1 10	12 37	1 35	4 36	
S 12	8 37	23 56	4 17	3 7	2 36	13 41	0 22	21 1	0 47	19 17	0 56	7 39	1 47	7 35	0 45	19 18	0 13	19 22	4 7	1 28	1 9	12 41	1 34	4 36	
M13	8 58	27 14	4 55	2 31	2 36	14 7	0 20	21 10	0 47	19 16	0 56	7 36	1 47	7 34	0 45	19 18	0 13	19 22	4 6	1 27	1 8	12 44	1 33	4 36	
T 14	9 20	28 40	5 13	1 54	2 36	14 33	0 18	21 18	0 48	19 16	0 56	7 34	1 47	7 33	0 45	19 18	0 13	19 23	4 6	1 26	1 6	12 47	1 32	4 36	
W15	9 42	28 15	5 13	1 16	2 35	14 59	0 15	21 27	0 48	19 15	0 56	7 32	1 48	7 32	0 45	19 17	0 13	19 23	4 6	1 26	1 5	12 50	1 30	4 37	
T 16	10 3	26 9	4 55	0 37	2 34	15 24	0 13	21 35	0 48	19 14	0 55	7 29	1 48	7 31	0 45	19 17	0 13	19 23	4 6	1 25	1 4	12 53	1 29	4 37	
F 17	10 24	22 45	4 23	0n 3	2 32	15 48	0 10	21 43	0 49	19 14	0 55	7 27	1 48	7 30	0 45	19 17	0 13	19 23	4 6	1 26	1 3	12 56	1 28	4 37	
S 18	10 45	18 22	3 39	0 45	2 29	16 13	0 8	21 51	0 49	19 13	0 55	7 25	1 48	7 29	0 45	19 17	0 13	19 23	4 6	1 26	1 1	12 59	1 26	4 37	
S 19	11 6	13 18	2 45	1 27	2 26	16 37	0 5	21 59	0 50	19 12	0 55	7 23	1 48	7 28	0 45	19 17	0 13	19 23	4 6	1 27	1 0	13 3	1 25	4 37	
M20	11 27	7 49	1 45	2 10	2 23	17 0	0 2	22 7	0 50	19 11	0 55	7 21	1 48	7 27	0 45	19 17	0 13	19 23	4 5	1 27	0 59	13 6	1 24	4 37	
T 21	11 47	2 8	0 41	2 55	2 19	17 23	0n 0	22 14	0 50	19 10	0 55	7 19	1 49	7 26	0 45	19 17	0 13	19 23	4 5	1 28	0 57	13 9	1 23	4 37	
W22	12 8	3s35	0s24	3 40	2 14	17 46	0 3	22 21	0 51	19 9	0 55	7 16	1 49	7 25	0 45	19 17	0 13	19 24	4 5	1 28	0 56	13 12	1 21	4 37	
T 23	12 28	9 9	1 28	4 26	2 9	18 8	0 5	22 28	0 51	19 8	0 55	7 14	1 49	7 25	0 45	19 16	0 13	19 24	4 5	1 27	0 55	13 15	1 20	4 38	
F 24	12 48	14 23	2 28	5 12	2 4	18 30	0 8	22 35	0 52	19 7	0 55	7 12	1 49	7 24	0 45	19 16	0 13	19 24	4 5	1 26	0 54	13 18	1 19	4 38	
S 25	13 7	19 7	3 21	6 0	1 57	18 51	0 10	22 42	0 52	19 6	0 55	7 10	1 49	7 23	0 45	19 16	0 13	19 24	4 5	1 25	0 52	13 21	1 18	4 38	
S 26	13 27	23 8	4 6	6 48	1 51	19 11	0 13	22 48	0 52	19 5	0 55	7 8	1 49	7 22	0 45	19 16	0 13	19 24	4 5	1 23	0 51	13 24	1 17	4 38	
M27	13 46	26 12	4 40	7 37	1 44	19 32	0 16	22 54	0 53	19 4	0 55	7 6	1 50	7 21	0 45	19 16	0 13	19 24	4 4	1 20	0 50	13 28	1 15	4 38	
T 28	14 5	28 6	5 2	8 26	1 36	19 51	0 18	23 0	0 53	19 3	0 54	7 4	1 50	7 20	0 45	19 16	0 13	19 24	4 4	1 18	0 49	13 31	1 14	4 38	
W29	14 24	28 39	5 11	9 16	1 28	20 10	0 21	23 6	0 53	19 2	0 54	7 2	1 50	7 19	0 45	19 16	0 13	19 24	4 4	1 16	0 47	13 34	1 13	4 38	
T 30	14n42	27s46	5s 5	10n 7	1s20	20n29	0n23	23n12	0n54	19n 0	0n54	7s 0	1s50	7s18	0s45	19s16	0n13	19n25	4s 4	1n14	0n46	13s37	1s12	4n38	

ASTRODIENST EPHEMERIS for the year 1671

geocentric

MAY 1671 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 35 41	10♂32'23	27♂ 3	1♂38	0♂49	12♂59	8♂44	16♂39	13♂15	3♂13	1♂20	3♂R 4	1♂52	29♂46	16♂11	F 1
S 2	14 39 37	11°30'26	10♂ 6	3°41	2° 2	13°38	8°49	16°44	13°17	3°13	1°21	3°D 3	1°49	29°53	16°14	S 2
S 3	14 43 34	12°28'28	23°30	5°45	3°16	14°18	8°54	16°50	13°19	3°13	1°22	3°Y 3	1°46	29°59	16°16	S 3
M 4	14 47 30	13°26'29	7♂18	7°51	4°29	14°58	8°59	16°55	13°21	3°13	1°23	3° 5	1°43	0♂ 6	16°19	M 4
T 5	14 51 27	14°24'29	21°30	9°58	5°42	15°37	9° 5	17° 0	13°23	3°R13	1°24	3° 6	1°40	0°13	16°21	T 5
W 6	14 55 23	15°22'27	6°Y 5	12° 6	6°55	16°17	9°10	17° 5	13°25	3°13	1°25	3°R 6	1°37	0°19	16°23	W 6
T 7	14 59 20	16°20'23	21° 0	14°15	8° 9	16°56	9°16	17°10	13°27	3°13	1°27	3° 5	1°33	0°26	16°26	T 7
F 8	15 3 17	17°18'19	6♂ 7	16°25	9°22	17°36	9°22	17°15	13°29	3°13	1°28	3° 2	1°30	0°33	16°28	F 8
S 9	15 7 13	18°16'13	21°19	18°36	10°35	18°16	9°28	17°19	13°31	3°13	1°29	2°57	1°27	0°39	16°30	S 9
S 10	15 11 10	19°14'06	6♂24	20°47	11°48	18°55	9°34	17°24	13°33	3°13	1°30	2°50	1°24	0°46	16°32	S 10
M11	15 15 6	20°11'57	21°14	22°58	13° 1	19°35	9°40	17°29	13°35	3°12	1°31	2°43	1°21	0°53	16°34	M11
T 12	15 19 3	21° 9'46	5♂41	25° 9	14°14	20°14	9°47	17°33	13°36	3°12	1°32	2°36	1°18	0°59	16°36	T 12
W13	15 22 59	22° 7'34	19°39	27°19	15°27	20°53	9°53	17°38	13°38	3°12	1°33	2°30	1°14	1° 6	16°39	W13
T 14	15 26 56	23° 5'20	3♂ 9	29°29	16°40	21°33	10° 0	17°42	13°40	3°12	1°35	2°27	1°11	1°13	16°41	T 14
F 15	15 30 52	24° 3'04	16°11	1♂38	17°53	22°12	10° 7	17°47	13°41	3°11	1°36	2°25	1° 8	1°19	16°42	F 15
S 16	15 34 49	25° 0'47	28°48	3°45	19° 6	22°51	10°14	17°51	13°43	3°11	1°37	2°D24	1° 5	1°26	16°44	S 16
S 17	15 38 46	25°58'28	11♂ 6	5°51	20°19	23°31	10°21	17°55	13°45	3°11	1°38	2°25	1° 2	1°33	16°46	S 17
M18	15 42 42	26°56'07	23°10	7°55	21°31	24°10	10°28	17°59	13°46	3°10	1°39	2°26	0°58	1°39	16°48	M18
T 19	15 46 39	27°53'45	5♂ 3	9°58	22°44	24°49	10°36	18° 3	13°48	3°10	1°41	2°R27	0°55	1°46	16°50	T 19
W20	15 50 35	28°51'22	16°52	11°58	23°57	25°29	10°43	18° 7	13°49	3° 9	1°42	2°25	0°52	1°53	16°51	W20
T 21	15 54 32	29°48'57	28°39	13°56	25°10	26° 8	10°51	18°11	13°50	3° 9	1°43	2°22	0°49	1°59	16°53	T 21
F 22	15 58 28	0♂46'31	10♂29	15°51	26°22	26°47	10°59	18°15	13°52	3° 8	1°45	2°16	0°46	2° 6	16°55	F 22
S 23	16 2 25	1°44'03	22°23	17°44	27°35	27°26	11° 7	18°18	13°53	3° 8	1°46	2° 8	0°43	2°13	16°56	S 23
S 24	16 6 21	2°41'35	4♂25	19°34	28°48	28° 5	11°15	18°22	13°54	3° 7	1°47	1°58	0°39	2°19	16°58	S 24
M25	16 10 18	3°39'05	16°34	21°22	0♂ 0	28°44	11°23	18°26	13°56	3° 7	1°49	1°47	0°36	2°26	16°59	M25
T 26	16 14 15	4°36'34	28°53	23° 7	1°13	29°23	11°31	18°29	13°57	3° 6	1°50	1°36	0°33	2°33	17° 1	T 26
W27	16 18 11	5°34'03	11♂22	24°49	2°25	0♂ 3	11°40	18°32	13°58	3° 5	1°51	1°26	0°30	2°39	17° 2	W27
T 28	16 22 8	6°31'30	24° 3	26°28	3°38	0°42	11°48	18°36	13°59	3° 5	1°53	1°17	0°27	2°46	17° 3	T 28
F 29	16 26 4	7°28'57	6♂55	28° 4	4°50	1°21	11°57	18°39	14° 0	3° 4	1°54	1°11	0°24	2°53	17° 4	F 29
S 30	16 30 1	8°26'23	20° 2	29°38	6° 2	2° 0	12° 5	18°42	14° 1	3° 3	1°55	1° 7	0°20	2°59	17° 6	S 30
S 31	16 33 57	9♂23'48	3♂26	1♂ 8	7♂15	2♂39	12♂14	18♂45	14♂ 2	3♂ 3	1♂57	1♂ 6	0♂17	3♂ 6	17♂ 7	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	15n 1	25s26	4s45	10n57	1s11	20n47	0n26	23n18	0n54	18n59	0n54	6s58	1s50	7s17	0s45	19s16	0n13	19n25	4s 4	1n13	0n45	13s40	1s11	4n39	
S 2	15 19	21 44	4 9	11 48	1 2	21 4	0 29	23 23	0 54	18 58	0 54	6 56	1 51	7 17	0 45	19 16	0 13	19 25	4 4	1 13	0 44	13 43	1 10	4 39	
S 3	15 37	16 50	3 19	12 38	0 53	21 21	0 31	23 28	0 55	18 56	0 54	6 55	1 51	7 16	0 45	19 16	0 13	19 25	4 4	1 13	0 42	13 46	1 9	4 39	
M 4	15 54	10 57	2 16	13 29	0 43	21 38	0 34	23 33	0 55	18 55	0 54	6 53	1 51	7 15	0 45	19 16	0 13	19 25	4 4	1 14	0 41	13 49	1 7	4 39	
T 5	16 12	4 20	1 3	14 19	0 33	21 53	0 36	23 37	0 55	18 53	0 54	6 51	1 51	7 14	0 45	19 16	0 13	19 25	4 3	1 14	0 40	13 52	1 6	4 39	
W 6	16 29	2n40	0n16	15 8	0 22	22 9	0 39	23 42	0 56	18 52	0 54	6 49	1 51	7 14	0 45	19 16	0 13	19 25	4 3	1 14	0 38	13 55	1 5	4 39	
T 7	16 45	9 41	1 35	15 57	0 12	22 23	0 41	23 46	0 56	18 50	0 54	6 47	1 52	7 13	0 45	19 16	0 13	19 25	4 3	1 14	0 37	13 59	1 4	4 40	
F 8	17 2	16 15	2 49	16 45	0 2	22 37	0 44	23 50	0 56	18 48	0 54	6 46	1 52	7 12	0 45	19 16	0 13	19 25	4 3	1 12	0 36	14 2	1 3	4 40	
S 9	17 18	21 50	3 51	17 32	0n 9	22 50	0 46	23 54	0 57	18 47	0 54	6 44	1 52	7 11	0 45	19 16	0 13	19 26	4 3	1 10	0 35	14 5	1 2	4 40	
S 10	17 34	25 57	4 36	18 18	0 20	23 3	0 49	23 58	0 57	18 45	0 54	6 42	1 52	7 11	0 45	19 16	0 13	19 26	4 3	1 8	0 33	14 8	1 1	4 40	
M11	17 50	28 13	5 2	19 2	0 30	23 15	0 51	24 1	0 57	18 43	0 53	6 41	1 52	7 10	0 45	19 16	0 13	19 26	4 3	1 5	0 32	14 11	1 0	4 40	
T 12	18 5	28 29	5 8	19 44	0 40	23 26	0 54	24 5	0 58	18 41	0 53	6 39	1 53	7 9	0 45	19 16	0 13	19 26	4 3	1 2	0 31	14 14	0 59	4 40	
W13	18 20	26 54	4 54	20 25	0 50	23 37	0 56	24 8	0 58	18 40	0 53	6 38	1 53	7 9	0 45	19 16	0 13	19 26	4 3	1 0	0 30	14 17	0 58	4 41	
T 14	18 35	23 47	4 25	21 3	1 0	23 47	0 58	24 11	0 58	18 38	0 53	6 36	1 53	7 8	0 46	19 16	0 13	19 26	4 2	0 58	0 28	14 20	0 57	4 41	
F 15	18 49	19 34	3 43	21 39	1 9	23 56	1 1	24 14	0 58	18 36	0 53	6 35	1 53	7 8	0 46	19 16	0 13	19 26	4 2	0 58	0 27	14 23	0 56	4 41	
S 16	19 3	14 35	2 51	22 13	1 18	24 5	1 3	24 16	0 59	18 34	0 53	6 33	1 53	7 7	0 46	19 16	0 13	19 26	4 2	0 58	0 26	14 26	0 56	4 41	
S 17	19 17	9 9	1 52	22 44	1 26	24 13	1 5	24 18	0 59	18 32	0 53	6 32	1 54	7 6	0 46	19 16	0 13	19 26	4 2	0 58	0 25	14 29	0 55	4 41	
M18	19 31	3 29	0 50	23 13	1 34	24 20	1 7	24 20	0 59	18 30	0 53	6 30	1 54	7 6	0 46	19 17	0 13	19 26	4 2	0 58	0 23	14 32	0 54	4 42	
T 19	19 44	2s14	0s14	23 39	1 41	24 26	1 10	24 22	0 59	18 28	0 53	6 29	1 54	7 5	0 46	19 17	0 13	19 27	4 2	0 58	0 22	14 35	0 53	4 42	
W20	19 57	7 49	1 17	24 2	1 47	24 32	1 12	24 24	1 0	18 25	0 53	6 28	1 54	7 5	0 46	19 17	0 13	19 27	4 2	0 58	0 21	14 38	0 52	4 42	
T 21	20 9	13 8	2 16	24 23	1 53	24 37	1 14	24 26	1 0	18 23	0 53	6 26	1 55	7 4	0 46	19 17	0 13	19 27	4 2	0 57	0 20	14 41	0 51	4 42	
F 22	20 21	17 59	3 9	24 41	1 58	24 42	1 16	24 27	1 0	18 21	0 53	6 25	1 55	7 4	0 46	19 17	0 13	19 27	4 2	0 54	0 18	14 44	0 51	4 42	
S 23	20 33	22 10	3 54	24 56	2 2	24 46	1 18	24 28	1 0	18 19	0 53	6 24	1 55	7 3	0 46	19 17	0 13	19 27	4 1	0 51	0 17	14 47	0 50	4 43	
S 24	20 44	25 28	4 29	25 9	2 5	24 49	1 20	24 29	1 1	18 17	0 53	6 23	1 55	7 3	0 46	19 17	0 13	19 27	4 1	0 47	0 16	14 50	0 49	4 43	
M25	20 55	27 40	4 53	25 20	2 8	24 51	1 22	24 30	1 1	18 14	0 52	6 21	1 56	7 2	0 46	19 17	0 13	19 27	4 1	0 43	0 14	14 53	0 48	4 43	
T 26	21 6	28 32	5 3	25 28	2 10	24 52	1 24	24 30	1 1	18 12	0 52	6 20	1 56	7 2	0 46	19 18	0 13	19 27	4 1	0 38	0 13	14 56	0 48	4 43	
W27	21 16	27 57	4 59	25 34	2 11	24 53	1 25	24 30	1 1	18 10	0 52	6 19	1 56	7 2	0 46	19 18	0 13	19 27	4 1	0 34	0 12	14 59	0 47	4 43	
T 28	21 26	25 56	4 40	25 37	2 11	24 53	1 27	24 31	1 2	18 7	0 52	6 18	1 56	7 1	0 46	19 18	0 13	19 27	4 1	0 31	0 11	15 3	0 46	4 44	
F 29	21 36	22 33	4 7	25 39	2 11	24 53	1 29	24 30	1 2	18 5	0 52	6 17	1 56	7 1	0 46	19 18	0 13	19 27	4 1	0 28	0 9	15 6	0 45	4 44	
S 30	21 45	17 59	3 20	25 39	2 10	24 51	1 31	24 30	1 2	18 2	0 52	6 16	1 57	7 1	0 46	19 18	0 13	19 27	4 1	0 27	0 8	15 9	0 45	4 44	
S 31	21n54	12s28	2s22	25n36	2n 7	24n49	1n32	24n30	1n 2	18n 0	0n52	6s15	1s57	7s 0	0s46	19s18	0n13	19n28	4s 1	0n26	0n 7	15s12	0s44	4n44	

ASTRODIENST EPHEMERIS for the year 1671
geocentric

JULY 1671 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	18 36 11	8°58'56	25°45'	18°R28	14°L15	22°38'	17°L34	19°R31	14°R 7	2°R27	2°34'	28°R17	28°39'	6°L33	17°R15	W 1
T 2	18 40 7	9°56'08	10°8' 6	17°35'7	15°26'	23°17'	17°45'	19°31'	14°3' 6	2°25'	2°43'	28°31'4	28°36'	6°39'	17°14'	T 2
F 3	18 44 4	10°53'20	24°36'	17°24'	16°37'	23°55'	17°57'	19°31'	14°5' 5	2°24'	2°45'	28°9' 9	28°32'	6°46'	17°13'	F 3
S 4	18 48 0	11°50'33	9°11'10	16°48'	17°47'	24°34'	18°8' 8	19°30'	14°5' 5	2°22'	2°46'	28°1' 1	28°29'	6°53'	17°13'	S 4
S 5	18 51 57	12°47'46	23°43'	16°10'	18°58'	25°12'	18°20'	19°30'	14°4' 4	2°21'	2°48'	27°52'	28°26'	6°59'	17°12'	S 5
M 6	18 55 53	13°45'00	8°3' 7	15°32'	20°8' 8	25°50'	18°32'	19°30'	14°3' 3	2°19'	2°49'	27°41'	28°23'	7°6' 6	17°11'	M 6
T 7	18 59 50	14°42'14	22°17'	14°54'	21°19'	26°29'	18°44'	19°29'	14°2' 2	2°18'	2°51'	27°30'	28°20'	7°13'	17°10'	T 7
W 8	19 3 47	15°39'28	6°L 6	14°15'	22°29'	27°7' 7	18°56'	19°28'	14°2' 2	2°16'	2°52'	27°21'	28°16'	7°20'	17°9' 9	W 8
T 9	19 7 43	16°36'42	19°33'	13°38'	23°40'	27°46'	19°8' 8	19°27'	14°1' 1	2°15'	2°54'	27°13'	28°13'	7°26'	17°8' 8	T 9
F 10	19 11 40	17°33'56	2°M 35	13°3' 3	24°50'	28°24'	19°20'	19°27'	14°0' 0	2°13'	2°55'	27°8' 8	28°10'	7°33'	17°7' 7	F 10
S 11	19 15 36	18°31'11	15°14'	12°29'	26°0' 0	29°2' 2	19°32'	19°26'	13°59'	2°12'	2°57'	27°6' 6	28°7' 7	7°40'	17°6' 6	S 11
S 12	19 19 33	19°28'25	27°34'	11°59'	27°10'	29°41'	19°44'	19°24'	13°58'	2°10'	2°58'	27°D 5	28°4' 4	7°46'	17°5' 5	S 12
M13	19 23 29	20°25'40	9°L 39	11°32'	28°20'	0°L 19	19°56'	19°23'	13°56'	2°8' 8	2°59'	27°6' 6	28°1' 1	7°53'	17°4' 4	M13
T 14	19 27 26	21°22'55	21°34'	11°9' 9	29°30'	0°57'	20°8' 8	19°22'	13°55'	2°7' 7	3°1' 1	27°R 6	27°57'	8°0' 0	17°2' 2	T 14
W15	19 31 22	22°20'10	3°M 25	10°51'	0°M 40	1°36'	20°20'	19°21'	13°54'	2°5' 5	3°2' 2	27°5' 5	27°54'	8°6' 6	17°1' 1	W15
T 16	19 35 19	23°17'25	15°16'	10°37'	1°50'	2°14'	20°32'	19°19'	13°53'	2°4' 4	3°4' 4	27°3' 3	27°51'	8°13'	17°0' 0	T 16
F 17	19 39 16	24°14'41	27°12'	10°29'	2°59'	2°52'	20°45'	19°18'	13°52'	2°2' 2	3°5' 5	26°58'	27°48'	8°20'	16°58'	F 17
S 18	19 43 12	25°11'57	9°L 18	10°D 26	4°9' 9	3°31'	20°57'	19°16'	13°50'	2°0' 0	3°6' 6	26°51'	27°45'	8°26'	16°57'	S 18
S 19	19 47 9	26°9'14	21°36'	10°29'	5°19'	4°9' 9	21°9' 9	19°14'	13°49'	1°59'	3°8' 8	26°43'	27°42'	8°33'	16°55'	S 19
M20	19 51 5	27°6'31	4°L 10	10°37'	6°28'	4°47'	21°22'	19°12'	13°48'	1°57'	3°9' 9	26°33'	27°38'	8°40'	16°54'	M20
T 21	19 55 2	28°3'49	16°59'	10°52'	7°37'	5°25'	21°34'	19°10'	13°46'	1°56'	3°11'	26°22'	27°35'	8°46'	16°52'	T 21
W22	19 58 58	29°1'07	0°L 4	11°12'	8°47'	6°4' 4	21°47'	19°8' 8	13°45'	1°54'	3°12'	26°13'	27°32'	8°53'	16°51'	W22
T 23	20 2 55	29°58'26	13°24'	11°39'	9°56'	6°42'	21°59'	19°6' 6	13°43'	1°52'	3°13'	26°5' 5	27°29'	9°0' 0	16°49'	T 23
F 24	20 6 52	0°L 55'45	26°56'	12°11'	11°5' 5	7°20'	22°12'	19°4' 4	13°42'	1°51'	3°15'	26°0' 0	27°26'	9°6' 6	16°47'	F 24
S 25	20 10 48	1°53'06	10°38'	12°50'	12°14'	7°58'	22°25'	19°2' 2	13°40'	1°49'	3°16'	25°56'	27°22'	9°13'	16°46'	S 25
S 26	20 14 45	2°50'28	24°30'	13°34'	13°23'	8°37'	22°37'	18°59'	13°39'	1°47'	3°17'	25°D 55	27°19'	9°20'	16°44'	S 26
M27	20 18 41	3°47'50	8°L 28	14°25'	14°31'	9°15'	22°50'	18°57'	13°37'	1°46'	3°19'	25°56'	27°16'	9°26'	16°42'	M27
T 28	20 22 38	4°45'14	22°32'	15°21'	15°40'	9°53'	23°3' 3	18°54'	13°35'	1°44'	3°20'	25°57'	27°13'	9°33'	16°40'	T 28
W29	20 26 34	5°42'39	6°L 40	16°23'	16°49'	10°31'	23°15'	18°52'	13°33'	1°42'	3°21'	25°R 57	27°10'	9°40'	16°38'	W29
T 30	20 30 31	6°40'05	20°52'	17°31'	17°57'	11°10'	23°28'	18°49'	13°32'	1°41'	3°22'	25°56'	27°7' 7	9°46'	16°36'	T 30
F 31	20 34 27	7°L 37'33	5°L 5	18°34'	19°M 5	11°L 48	23°L 41	18°34'	13°30'	1°39'	3°24'	25°34'	27°3' 3	9°M 53	16°34'	F 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	decl	lat
W 1	23n11	12n 8	2n20	18n25	3s50	18n17	1n46	22n41	1n 7	16n25	0n51	6s 4	2s 5	6s59	0s47	19s27	0n13	19n29	3s59	0s41	0s32	16s43	0s35	4n51		
T 2	23 7	18 4	3 22	18 17	4 2	17 55	1 46	22 35	1 7	16 21	0 51	6 5	2 5	7 0	0 47	19 27	0 13	19 29	3 59	0 42	0 34	16 46	0 35	4 51		
F 3	23 2	23 1	4 12	18 10	4 13	17 33	1 45	22 28	1 7	16 17	0 51	6 5	2 5	7 0	0 47	19 27	0 13	19 29	3 59	0 44	0 35	16 49	0 35	4 51		
S 4	22 57	26 34	4 45	18 4	4 23	17 10	1 44	22 21	1 7	16 14	0 51	6 5	2 6	7 0	0 47	19 28	0 13	19 29	3 59	0 47	0 36	16 51	0 35	4 51		
S 5	22 52	28 20	5 1	18 0	4 32	16 47	1 42	22 15	1 8	16 10	0 51	6 6	2 6	7 1	0 47	19 28	0 13	19 29	3 58	0 51	0 37	16 54	0 35	4 52		
M 6	22 46	28 10	4 56	17 57	4 39	16 24	1 41	22 8	1 8	16 6	0 51	6 6	2 6	7 1	0 48	19 29	0 13	19 29	3 58	0 55	0 39	16 57	0 36	4 52		
T 7	22 40	26 9	4 34	17 56	4 45	16 0	1 40	22 0	1 8	16 3	0 51	6 7	2 7	7 1	0 48	19 29	0 13	19 29	3 58	1 0	0 40	17 0	0 36	4 52		
W 8	22 34	22 35	3 56	17 55	4 49	15 36	1 39	21 53	1 8	15 59	0 51	6 7	2 7	7 2	0 48	19 29	0 13	19 29	3 58	1 3	0 41	17 3	0 36	4 52		
T 9	22 27	17 55	3 5	17 57	4 52	15 11	1 37	21 45	1 8	15 55	0 51	6 8	2 7	7 2	0 48	19 30	0 13	19 29	3 58	1 6	0 43	17 6	0 36	4 52		
F 10	22 20	12 32	2 6	17 59	4 53	14 46	1 35	21 38	1 8	15 52	0 51	6 8	2 7	7 2	0 48	19 30	0 13	19 29	3 58	1 8	0 44	17 9	0 36	4 53		
S 11	22 12	6 47	1 3	18 3	4 52	14 21	1 34	21 30	1 8	15 48	0 51	6 9	2 8	7 3	0 48	19 30	0 13	19 29	3 58	1 9	0 45	17 11	0 37	4 53		
S 12	22 4	0 56	0s 3	18 8	4 49	13 55	1 32	21 22	1 8	15 44	0 51	6 10	2 8	7 3	0 48	19 31	0 13	19 29	3 58	1 10	0 46	17 14	0 37	4 53		
M13	21 56	4s51	1 6	18 15	4 45	13 29	1 30	21 14	1 8	15 40	0 51	6 10	2 8	7 4	0 48	19 31	0 13	19 29	3 58	1 9	0 48	17 17	0 37	4 53		
T 14	21 47	10 23	2 7	18 22	4 40	13 3	1 28	21 6	1 8	15 36	0 51	6 11	2 8	7 4	0 48	19 31	0 12	19 29	3 58	1 9	0 49	17 20	0 37	4 53		
W15	21 38	15 31	3 1	18 30	4 33	12 36	1 26	20 57	1 8	15 32	0 51	6 12	2 9	7 5	0 48	19 32	0 12	19 29	3 58	1 10	0 50	17 23	0 38	4 53		
T 16	21 28	20 4	3 48	18 40	4 25	12 9	1 24	20 49	1 8	15 29	0 51	6 13	2 9	7 5	0 48	19 32	0 12	19 29	3 58	1 11	0 51	17 26	0 38	4 54		
F 17	21 18	23 51	4 24	18 50	4 15	11 42	1 22	20 40	1 8	15 25	0 51	6 13	2 9	7 6	0 48	19 33	0 12	19 29	3 58	1 12	0 53	17 28	0 39	4 54		
S 18	21 8	26 40	4 50	19 0	4 5	11 14	1 19	20 31	1 9	15 21	0 51	6 14	2 9	7 6	0 48	19 33	0 12	19 29	3 58	1 15	0 54	17 31	0 39	4 54		
S 19	20 58	28 15	5 3	19 12	3 53	10 46	1 17	20 22	1 9	15 17	0 51	6 15	2 10	7 7	0 48	19 33	0 12	19 29	3 58	1 19	0 55	17 34	0 39	4 54		
M20	20 47	28 26	5 1	19 24	3 41	10 18	1 14	20 13	1 9	15 13	0 51	6 16	2 10	7 7	0 48	19 34	0 12	19 29	3 58	1 23	0 56	17 37	0 40	4 54		
T 21	20 35	27 7	4 45	19 36	3 28	9 50	1 12	20 4	1 9	15 9	0 51	6 17	2 10	7 8	0 48	19 34	0 12	19 29	3 58	1 27	0 58	17 40	0 40	4 54		
W22	20 24	24 18	4 13	19 48	3 14	9 22	1 9	19 54	1 9	15 5	0 51	6 18	2 10	7 9	0 48	19 34	0 12	19 29	3 58	1 30	0 59	17 43	0 41	4 55		
T 23	20 12	20 8	3 27	20 0	2 59	8 53	1 6	19 45	1 9	15 1	0 51	6 19	2 10	7 9	0 48	19 35	0 12	19 29	3 58	1 34	1 0	17 45	0 41	4 55		
F 24	19 59	14 53	2 29	20 12	2 45	8 24	1 4	19 35	1 9	14 56	0 51	6 20	2 11	7 10	0 48	19 35	0 12	19 29	3 58	1 36	1 1	17 48	0 42	4 55		
S 25	19 47	8 51	1 21	20 23	2 30	7 55	1 1	19 25	1 9	14 52	0 51	6 21	2 11	7 10	0 48	19 36	0 12	19 29	3 58	1 37	1 3	17 51	0 42	4 55		
S 26	19 34	2 19	0 8	20 34	2 14	7 26	0 58	19 15	1 9	14 48	0 51	6 23	2 11	7 11	0 48	19 36	0 12	19 29	3 58	1 37	1 4	17 54	0 43	4 55		
M27	19 20	4n23	1n 7	20 44	1 59	6 56	0 54	19 5	1 9	14 44	0 51	6 24	2 11	7 12	0 48	19 36	0 12	19 29	3 58	1 37	1 5	17 56	0 44	4 55		
T 28	19 7	10 55	2 18	20 53	1 43	6 27	0 51	18 55	1 9	14 40	0 51	6 25	2 12	7 12	0 48	19 37	0 12	19 29	3 58	1 37	1 7	17 59	0 44	4 55		
W29	18 53	16 56	3 21	21 1	1 28	5 57	0 48	18 44	1 9	14 36	0 51	6 26	2 12	7 13	0 48	19 37	0 12	19 29	3 58	1 37	1 8	18 2	0 45	4 56		
T 30	18 38	22 3	4 12	21 8	1 13	5 27	0 45	18 34	1 9	14 32	0 51	6 27	2 12	7 14	0 48	19 37	0 12	19 29	3 58	1 37	1 9	18 5	0 45	4 56		
F 31	18n24	25n54	4n48	21n13	0s58	4n57	0n41	18n23	1n 9	14n27	0n51	6s29	2s12	7s15	0s48	19s38	0n12	19n29	3s58	1s38	1s10	18s 8	0s46	4n56		

ASTRODIENST EPHEMERIS for the year 1671

geocentric

AUGUST 1671 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 38 24	8♌35'02	19♏16	20♋3	20♏14	12♌26	23♏54	18°R43	13°R28	1°R38	3♋25	25°R49	27♋0	10♏0	16°R32	S 1
S 2	20 42 21	9°32'32	3♋23	21°26	21°22	13° 4	24° 6	18♋40	13♋26	1♋36	3°26	25♋42	26°57	10° 6	16♋30	S 2
M 3	20 46 17	10°30'04	17°21	22°55	22°30	13°43	24°19	18°37	13°24	1°34	3°28	25°35	26°54	10°13	16°28	M 3
T 4	20 50 14	11°27'37	1♌6	24°28	23°38	14°21	24°32	18°34	13°23	1°33	3°29	25°28	26°51	10°20	16°26	T 4
W 5	20 54 10	12°25'10	14°35	26° 5	24°46	14°59	24°45	18°31	13°21	1°31	3°30	25°22	26°48	10°27	16°23	W 5
T 6	20 58 7	13°22'45	27°46	27°46	25°53	15°37	24°58	18°28	13°19	1°30	3°31	25°17	26°44	10°33	16°21	T 6
F 7	21 2 3	14°20'21	10♏38	29°31	27° 1	16°15	25°11	18°24	13°17	1°28	3°32	25°14	26°41	10°40	16°19	F 7
S 8	21 6 0	15°17'58	23°12	1♌20	28° 8	16°54	25°24	18°21	13°15	1°26	3°33	25°D13	26°38	10°47	16°16	S 8
S 9	21 9 56	16°15'36	5♏29	3°11	29°15	17°32	25°37	18°17	13°13	1°25	3°35	25°13	26°35	10°53	16°14	S 9
M10	21 13 53	17°13'15	17°33	5° 5	0♏23	18°10	25°50	18°14	13°11	1°23	3°36	25°15	26°32	11° 0	16°12	M10
T 11	21 17 50	18°10'55	29°28	7° 0	1°30	18°48	26° 3	18°10	13° 8	1°22	3°37	25°16	26°28	11° 7	16° 9	T 11
W12	21 21 46	19° 8'36	11♏19	8°58	2°36	19°26	26°16	18° 6	13° 6	1°20	3°38	25°18	26°25	11°13	16° 7	W12
T 13	21 25 43	20° 6'19	23°11	10°57	3°43	20° 5	26°29	18° 3	13° 4	1°19	3°39	25°R18	26°22	11°20	16° 4	T 13
F 14	21 29 39	21° 4'02	5♏8	12°57	4°50	20°43	26°42	17°59	13° 2	1°17	3°40	25°17	26°19	11°27	16° 2	F 14
S 15	21 33 36	22° 1'47	17°16	14°57	5°56	21°21	26°55	17°55	13° 0	1°16	3°41	25°14	26°16	11°33	15°59	S 15
S 16	21 37 32	22°59'32	29°38	16°58	7° 2	21°59	27° 8	17°51	12°58	1°14	3°42	25°11	26°13	11°40	15°57	S 16
M17	21 41 29	23°57'19	12♋18	18°59	8° 9	22°37	27°21	17°47	12°55	1°13	3°43	25° 6	26° 9	11°47	15°54	M17
T 18	21 45 25	24°55'07	25°17	21° 0	9°14	23°15	27°34	17°43	12°53	1°11	3°44	25° 1	26° 6	11°53	15°52	T 18
W19	21 49 22	25°52'57	8♋37	23° 0	10°20	23°54	27°47	17°39	12°51	1°10	3°45	24°57	26° 3	12° 0	15°49	W19
T 20	21 53 19	26°50'48	22°16	25° 0	11°26	24°32	28° 0	17°35	12°49	1° 8	3°46	24°53	26° 0	12° 7	15°46	T 20
F 21	21 57 15	27°48'40	6♋11	26°59	12°31	25°10	28°13	17°31	12°46	1° 7	3°47	24°50	25°57	12°13	15°44	F 21
S 22	22 1 12	28°46'34	20°20	28°57	13°36	25°48	28°26	17°26	12°44	1° 6	3°48	24°D49	25°54	12°20	15°41	S 22
S 23	22 5 8	29°44'29	4♏37	0♏54	14°41	26°26	28°39	17°22	12°42	1° 4	3°49	24°50	25°50	12°27	15°38	S 23
M24	22 9 5	0♏42'26	18°59	2°50	15°46	27° 4	28°52	17°18	12°39	1° 3	3°50	24°51	25°47	12°34	15°36	M24
T 25	22 13 1	1°40'25	3♋21	4°45	16°51	27°43	29° 5	17°14	12°37	1° 1	3°51	24°52	25°44	12°40	15°33	T 25
W26	22 16 58	2°38'26	17°40	6°39	17°55	28°21	29°18	17° 9	12°35	1° 0	3°52	24°53	25°41	12°47	15°30	W26
T 27	22 20 54	3°36'29	1♏53	8°32	18°59	28°59	29°32	17° 5	12°32	0°59	3°53	24°R54	25°38	12°54	15°27	T 27
F 28	22 24 51	4°34'35	15°59	10°23	20° 3	29°37	29°45	17° 0	12°30	0°58	3°53	24°53	25°34	13° 0	15°25	F 28
S 29	22 28 48	5°32'42	29°54	12°13	21° 7	0♏15	29°58	16°56	12°28	0°56	3°54	24°52	25°31	13° 7	15°22	S 29
S 30	22 32 44	6°30'51	13♋39	14° 2	22°11	0°54	0♏11	16°51	12°25	0°55	3°55	24°50	25°28	13°14	15°19	S 30
M31	22 36 41	7♏29'02	27♋11	15♏50	23♏14	1♏32	0♏24	16♋47	12♋23	0♏54	3♋56	24♋48	25♋25	13♏20	15♋16	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	18n 9	28n 8	5n 6	21n17	0s43	4n27	0n38	18n12	1n 9	14n23	0n51	6s30	2s13	7s15	0s48	19s38
S 2	17 54	28 31	5 5	21 18	0 29	3 57	0 34	18 2	1 9	14 19	0 51	6 31	2 13	7 16	0 48	19 38
M 3	17 38	27 5	4 46	21 18	0 15	3 27	0 30	17 51	1 9	14 15	0 51	6 33	2 13	7 17	0 48	19 39
T 4	17 23	24 2	4 11	21 15	0 1	2 56	0 27	17 40	1 9	14 10	0 51	6 34	2 13	7 17	0 48	19 39
W 5	17 7	19 42	3 22	21 9	0n11	2 26	0 23	17 28	1 9	14 6	0 51	6 36	2 13	7 18	0 48	19 40
T 6	16 50	14 31	2 23	21 2	0 23	1 55	0 19	17 17	1 9	14 2	0 51	6 37	2 14	7 19	0 48	19 40
F 7	16 34	8 48	1 18	20 51	0 35	1 25	0 15	17 6	1 9	13 57	0 51	6 39	2 14	7 20	0 48	19 40
S 8	16 17	2 52	0 11	20 38	0 45	0 54	0 11	16 54	1 9	13 53	0 51	6 40	2 14	7 21	0 48	19 41
S 9	16 0	3s 2	0s56	20 23	0 55	0 24	0 6	16 42	1 9	13 49	0 51	6 42	2 14	7 21	0 48	19 41
M10	15 42	8 44	1 59	20 4	1 4	0s 7	0 2	16 30	1 9	13 44	0 51	6 43	2 14	7 22	0 49	19 41
T 11	15 25	14 3	2 56	19 43	1 12	0 38	0s 2	16 19	1 9	13 40	0 52	6 45	2 14	7 23	0 49	19 42
W12	15 7	18 49	3 45	19 19	1 19	1 8	0 6	16 7	1 9	13 36	0 52	6 47	2 15	7 24	0 49	19 42
T 13	14 49	22 52	4 25	18 53	1 26	1 39	0 11	15 55	1 9	13 31	0 52	6 48	2 15	7 25	0 49	19 42
F 14	14 30	26 0	4 53	18 25	1 31	2 9	0 15	15 42	1 9	13 27	0 52	6 50	2 15	7 26	0 49	19 43
S 15	14 12	28 0	5 9	17 54	1 36	2 40	0 20	15 30	1 9	13 22	0 52	6 51	2 15	7 26	0 49	19 43
S 16	13 53	28 40	5 11	17 21	1 39	3 11	0 25	15 18	1 9	13 18	0 52	6 53	2 15	7 27	0 49	19 43
M17	13 34	27 52	4 58	16 47	1 42	3 41	0 29	15 5	1 9	13 14	0 52	6 55	2 15	7 28	0 49	19 44
T 18	13 14	25 32	4 30	16 10	1 44	4 11	0 34	14 53	1 9	13 9	0 52	6 57	2 16	7 29	0 49	19 44
W19	12 55	21 47	3 46	15 32	1 46	4 42	0 39	14 40	1 9	13 5	0 52	6 58	2 16	7 30	0 49	19 44
T 20	12 35	16 47	2 49	14 53	1 46	5 12	0 44	14 27	1 9	13 0	0 52	7 0	2 16	7 31	0 49	19 45
F 21	12 15	10 49	1 41	14 12	1 46	5 42	0 49	14 14	1 9	12 56	0 52	7 2	2 16	7 32	0 49	19 45
S 22	11 55	4 13	0 25	13 30	1 45	6 12	0 54	14 1	1 9	12 51	0 52	7 4	2 16	7 32	0 49	19 45
S 23	11 35	2n40	0n54	12 48	1 44	6 42	0 59	13 48	1 9	12 47	0 52	7 5	2 16	7 33	0 49	19 46
M24	11 15	9 26	2 9	12 4	1 42	7 12	1 4	13 35	1 9	12 42	0 52	7 7	2 16	7 34	0 49	19 46
T 25	10 54	15 44	3 16	11 20	1 40	7 41	1 9	13 22	1 9	12 38	0 52	7 9	2 17	7 35	0 49	19 46
W26	10 33	21 9	4 11	10 35	1 37	8 11	1 14	13 8	1 8	12 33	0 52	7 11	2 17	7 36	0 49	19 47
T 27	10 12	25 19	4 50	9 50	1 33	8 40	1 19	12 55	1 8	12 29	0 52	7 13	2 17	7 37	0 49	19 47
F 28	9 51	27 54	5 11	9 4	1 29	9 9	1 24	12 42	1 8	12 24	0 52	7 15	2 17	7 38	0 49	19 47
S 29	9 30	28 43	5 14	8 18	1 25	9 38	1 29	12 28	1 8	12 20	0 53	7 16	2 17	7 39	0 49	19 48
S 30	9 8	27 44	4 58	7 32	1 20	10 7	1 35	12 14	1 8	12 15	0 53	7 18	2 17	7 40	0 49	19 48
M31	8n47	25n 7	4n26	6n45	1n15	10s36	1s40	12n 1	1n 8	12n11	0n53	7s20	2s17	7s41	0s49	19s48

Julian Day Number = 2331592.5, Delta T = 28.74 sec
 Ecliptic obliquity = 23°29'04, Nutation = 0°00'02, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°09'22, Lahiri = 19°16'22Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1671
geocentric

SEPTEMBER 1671 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 40 37	8 ^m 27'15	10 ^h 02'30	17 ^m 37'37	24 ^h 17'17	2 ^m 10'10	0 ^m 37'37	16°R42	12°R21	0°R53	3 ^h 57'57	24°R45	25 ^h 22'22	13 ^m 27'27	15°R13	T 1
W 2	22 44 34	9°25'29	23°35	19°22	25°20	2°48	0°50	16 ^h 38	12 ^h 18	0 ^h 51	3°57	24 ^h 43	25°19	13°34	15 ^h 11	W 2
T 3	22 48 30	10°23'46	6 ^m 25	21° 7	26°22	3°27	1° 3	16°33	12°16	0°50	3°58	24°42	25°15	13°40	15° 8	T 3
F 4	22 52 27	11°22'04	19° 2	22°50	27°25	4° 5	1°16	16°29	12°13	0°49	3°59	24°D41	25°12	13°47	15° 5	F 4
S 5	22 56 23	12°20'24	1 ^h 24	24°32	28°27	4°43	1°29	16°24	12°11	0°48	3°59	24°41	25° 9	13°54	15° 2	S 5
S 6	23 0 20	13°18'46	13°34	26°12	29°28	5°21	1°41	16°19	12° 9	0°47	4° 0	24°42	25° 6	14° 0	14°59	S 6
M 7	23 4 16	14°17'09	25°35	27°52	0 ^m 30	5°59	1°54	16°15	12° 6	0°46	4° 1	24°43	25° 3	14° 7	14°56	M 7
T 8	23 8 13	15°15'34	7 ^m 29	29°31	1°31	6°38	2° 7	16°10	12° 4	0°45	4° 1	24°44	25° 0	14°14	14°53	T 8
W 9	23 12 10	16°14'01	19°19	1 ^h 8	2°32	7°16	2°20	16° 5	12° 1	0°44	4° 2	24°45	24°56	14°21	14°51	W 9
T 10	23 16 6	17°12'30	1 ^h 10	2°45	3°33	7°54	2°33	16° 1	11°59	0°43	4° 2	24°45	24°53	14°27	14°48	T 10
F 11	23 20 3	18°11'00	13° 6	4°20	4°33	8°32	2°46	15°56	11°57	0°42	4° 3	24°R46	24°50	14°34	14°45	F 11
S 12	23 23 59	19° 9'32	25°12	5°54	5°33	9°11	2°59	15°52	11°54	0°41	4° 4	24°46	24°47	14°41	14°42	S 12
S 13	23 27 56	20° 8'06	7 ^h 33	7°27	6°32	9°49	3°11	15°47	11°52	0°40	4° 4	24°45	24°44	14°47	14°39	S 13
M14	23 31 52	21° 6'41	20°12	8°59	7°31	10°27	3°24	15°42	11°49	0°39	4° 5	24°45	24°40	14°54	14°36	M14
T 15	23 35 49	22° 5'18	3 ^h 13	10°31	8°30	11° 6	3°37	15°38	11°47	0°38	4° 5	24°45	24°37	15° 1	14°34	T 15
W16	23 39 45	23° 3'57	16°38	12° 1	9°28	11°44	3°50	15°33	11°45	0°37	4° 5	24°45	24°34	15° 7	14°31	W16
T 17	23 43 42	24° 2'37	0 ^h 28	13°30	10°26	12°22	4° 2	15°29	11°42	0°36	4° 6	24°44	24°31	15°14	14°28	T 17
F 18	23 47 39	25° 1'19	14°39	14°58	11°24	13° 0	4°15	15°24	11°40	0°36	4° 6	24°D44	24°28	15°21	14°25	F 18
S 19	23 51 35	26° 0'03	29°10	16°25	12°21	13°39	4°27	15°20	11°38	0°35	4° 7	24°R44	24°25	15°27	14°22	S 19
S 20	23 55 32	26°58'49	13 ^h 53	17°51	13°18	14°17	4°40	15°15	11°35	0°34	4° 7	24°44	24°21	15°34	14°20	S 20
M21	23 59 28	27°57'37	28°42	19°15	14°14	14°55	4°52	15°11	11°33	0°33	4° 7	24°44	24°18	15°41	14°17	M21
T 22	0 3 25	28°56'28	13 ^h 30	20°39	15° 9	15°34	5° 5	15° 6	11°31	0°33	4° 8	24°44	24°15	15°48	14°14	T 22
W23	0 7 21	29°55'21	28° 9	22° 2	16° 5	16°12	5°17	15° 2	11°29	0°32	4° 8	24°43	24°12	15°54	14°11	W23
T 24	0 11 18	0 ^h 54'16	12 ^h 35	23°23	16°59	16°50	5°30	14°57	11°26	0°31	4° 8	24°43	24° 9	16° 1	14° 9	T 24
F 25	0 15 14	1°53'13	26°44	24°43	17°53	17°29	5°42	14°53	11°24	0°31	4° 8	24°D42	24° 5	16° 8	14° 6	F 25
S 26	0 19 11	2°52'13	10 ^h 34	26° 2	18°47	18° 7	5°54	14°49	11°22	0°30	4° 9	24°42	24° 2	16°14	14° 3	S 26
S 27	0 23 8	3°51'15	24° 6	27°20	19°40	18°45	6° 7	14°45	11°20	0°30	4° 9	24°43	23°59	16°21	14° 1	S 27
M28	0 27 4	4°50'19	7 ^h 20	28°37	20°32	19°24	6°19	14°40	11°18	0°29	4° 9	24°44	23°56	16°28	13°58	M28
T 29	0 31 1	5°49'26	20°18	29°51	21°24	20° 2	6°31	14°36	11°16	0°29	4° 9	24°45	23°53	16°34	13°56	T 29
W30	0 34 57	6 ^h 48'35	3 ^h 1	1 ^m 5	22 ^m 15	20 ^m 41	6 ^m 43	14 ^h 32	11 ^h 14	0 ^h 28	4 ^h 9	24 ^h 46	23 ^h 50	16 ^m 41	13 ^h 53	W30

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	8n25	21n10	3n40	5n59	1n10	11s 4	1s45	11n47	1n 8	12n 6	0n53	7s22	2s17	7s42	0s49	19s48	0n12	19n27	3s58	2s 5	1s51	19s34	1s16	4n57	
W 2	8 3	16 15	2 44	5 12	1 4	11 32	1 51	11 33	1 8	12 1	0 53	7 24	2 17	7 43	0 49	19 49	0 12	19 27	3 58	2 6	1 52	19 36	1 17	4 57	
T 3	7 41	10 43	1 39	4 26	0 59	12 0	1 56	11 19	1 8	11 57	0 53	7 26	2 18	7 43	0 49	19 49	0 12	19 27	3 59	2 7	1 53	19 39	1 18	4 57	
F 4	7 19	4 50	0 31	3 39	0 52	12 28	2 2	11 5	1 8	11 52	0 53	7 28	2 18	7 44	0 49	19 49	0 12	19 27	3 59	2 7	1 55	19 41	1 19	4 57	
S 5	6 57	1s 8	0s37	2 53	0 46	12 55	2 7	10 51	1 8	11 48	0 53	7 29	2 18	7 45	0 49	19 50	0 12	19 27	3 59	2 7	1 56	19 44	1 20	4 57	
S 6	6 34	6 57	1 43	2 7	0 40	13 22	2 13	10 37	1 8	11 43	0 53	7 31	2 18	7 46	0 49	19 50	0 12	19 27	3 59	2 7	1 57	19 47	1 21	4 57	
M 7	6 12	12 26	2 43	1 21	0 33	13 49	2 18	10 23	1 8	11 39	0 53	7 33	2 18	7 47	0 49	19 50	0 12	19 27	3 59	2 6	1 58	19 49	1 23	4 57	
T 8	5 49	17 25	3 35	0 36	0 26	14 16	2 24	10 8	1 8	11 34	0 53	7 35	2 18	7 48	0 49	19 50	0 12	19 27	3 59	2 6	2 0	19 52	1 24	4 57	
W 9	5 26	21 44	4 19	0s10	0 19	14 42	2 29	9 54	1 7	11 30	0 53	7 37	2 18	7 49	0 49	19 51	0 12	19 27	3 59	2 5	2 1	19 54	1 25	4 57	
T 10	5 4	25 10	4 51	0 55	0 12	15 8	2 35	9 40	1 7	11 25	0 53	7 39	2 18	7 50	0 49	19 51	0 12	19 27	3 59	2 5	2 2	19 57	1 26	4 57	
F 11	4 41	27 33	5 11	1 39	0 5	15 34	2 40	9 25	1 7	11 20	0 54	7 41	2 18	7 51	0 49	19 51	0 12	19 27	3 59	2 5	2 3	19 59	1 27	4 57	
S 12	4 18	28 41	5 17	2 23	0s 3	16 0	2 46	9 11	1 7	11 16	0 54	7 42	2 18	7 52	0 49	19 51	0 12	19 27	3 59	2 5	2 5	20 2	1 28	4 57	
S 13	3 55	28 25	5 9	3 7	0 10	16 25	2 51	8 56	1 7	11 11	0 54	7 44	2 18	7 53	0 49	19 51	0 12	19 27	3 59	2 5	2 6	20 4	1 29	4 57	
M14	3 32	26 41	4 47	3 51	0 18	16 50	2 57	8 42	1 7	11 7	0 54	7 46	2 18	7 53	0 49	19 52	0 12	19 27	3 59	2 5	2 7	20 7	1 31	4 57	
T 15	3 9	23 30	4 9	4 33	0 25	17 14	3 2	8 27	1 7	11 2	0 54	7 48	2 18	7 54	0 49	19 52	0 12	19 26	3 59	2 5	2 8	20 10	1 32	4 56	
W16	2 45	19 0	3 16	5 16	0 33	17 38	3 8	8 12	1 7	10 58	0 54	7 50	2 18	7 55	0 49	19 52	0 12	19 26	3 59	2 6	2 10	20 12	1 33	4 56	
T 17	2 22	13 22	2 11	5 57	0 40	18 2	3 13	7 58	1 7	10 53	0 54	7 51	2 18	7 56	0 49	19 52	0 12	19 26	3 59	2 6	2 11	20 15	1 34	4 56	
F 18	1 59	6 55	0 56	6 39	0 48	18 25	3 18	7 43	1 7	10 49	0 54	7 53	2 18	7 57	0 49	19 52	0 12	19 26	3 59	2 6	2 12	20 17	1 35	4 56	
S 19	1 36	0n 3	0n25	7 19	0 56	18 48	3 24	7 28	1 6	10 44	0 54	7 55	2 18	7 58	0 49	19 53	0 12	19 26	3 59	2 6	2 13	20 20	1 37	4 56	
S 20	1 12	7 5	1 44	7 59	1 3	19 11	3 29	7 13	1 6	10 40	0 54	7 57	2 18	7 59	0 49	19 53	0 12	19 26	3 59	2 6	2 15	20 22	1 38	4 56	
M21	0 49	13 48	2 58	8 39	1 11	19 33	3 34	6 58	1 6	10 35	0 55	7 58	2 18	8 0	0 49	19 53	0 12	19 26	3 59	2 6	2 16	20 25	1 39	4 56	
T 22	0 25	19 43	3 59	9 17	1 18	19 55	3 40	6 43	1 6	10 31	0 55	8 0	2 18	8 0	0 49	19 53	0 11	19 26	3 59	2 6	2 17	20 27	1 40	4 56	
W23	0 2	24 23	4 44	9 55	1 26	20 16	3 45	6 28	1 6	10 26	0 55	8 2	2 18	8 1	0 49	19 53	0 11	19 26	3 59	2 6	2 19	20 30	1 41	4 55	
T 24	0s22	27 28	5 10	10 33	1 33	20 37	3 50	6 13	1 6	10 22	0 55	8 4	2 18	8 2	0 49	19 53	0 11	19 26	3 59	2 6	2 20	20 32	1 42	4 55	
F 25	0 45	28 43	5 17	11 9	1 41	20 57	3 55	5 58	1 6	10 17	0 55	8 5	2 18	8 3	0 49	19 54	0 11	19 26	3 59	2 6	2 21	20 35	1 44	4 55	
S 26	1 9	28 8	5 5	11 45	1 48	21 18	4 0	5 43	1 5	10 13	0 55	8 7	2 18	8 4	0 49	19 54	0 11	19 26	3 59	2 6	2 22	20 37	1 45	4 55	
S 27	1 32	25 52	4 36	12 20	1 55	21 37	4 6	5 28	1 5	10 9	0 55	8 8	2 18	8 5	0 49	19 54	0 11	19 26	3 59	2 6	2 24	20 40	1 46	4 55	
M28	1 56	22 14	3 54	12 54	2 2	21 56	4 11	5 12	1 5	10 4	0 55	8 10	2 18	8 5	0 49	19 54	0 11	19 26	3 59	2 6	2 25	20 42	1 47	4 55	
T 29	2 19	17 35	3 0	13 27	2 9	22 15	4 15	4 57	1 5	10 0	0 56	8 12	2 18	8 6	0 49	19 54	0 11	19 26	3 59	2 6	2 26	20 45	1 48	4 54	
W30	2s42	12n15	1n58	13s59	2s15	22s33	4s20	4n42	1n 5	9n55	0n56	8s13	2s18	8s 7	0s48	19s54	0n11	19n26	4s 0	2s 5	2s27	20s47	1s49	4n54	

ASTRODIENST EPHEMERIS for the year 1671
geocentric

OCTOBER 1671 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	0 38 54	7♌47'46	15♊31	2♋16	23♌ 5	21♊19	6♎55	14°R28	11°R11	0°R28	4♏ 9	24♋46	23♊46	16♌48	13°R50	T 1
F 2	0 42 50	8°46'59	27°50	3°26	23°55	21°57	7° 7	14♋24	11♊ 9	0°28	4° 9	24°R47	23°43	16°54	13♋48	F 2
S 3	0 46 47	9°46'14	10♌ 0	4°35	24°44	22°36	7°19	14°20	11° 7	0°27	4° 9	24°46	23°40	17° 1	13°45	S 3
S 4	0 50 43	10°45'31	22° 2	5°41	25°32	23°14	7°31	14°16	11° 5	0°27	4°R 9	24°45	23°37	17° 8	13°43	S 4
M 5	0 54 40	11°44'51	3♌58	6°45	26°20	23°53	7°43	14°12	11° 3	0°27	4° 9	24°42	23°34	17°15	13°40	M 5
T 6	0 58 37	12°44'12	15°49	7°46	27° 7	24°31	7°55	14° 8	11° 1	0°27	4° 9	24°40	23°31	17°21	13°38	T 6
W 7	1 2 33	13°43'35	27°39	8°45	27°52	25°10	8° 7	14° 5	11° 0	0°26	4° 9	24°36	23°27	17°28	13°36	W 7
T 8	1 6 30	14°43'01	9♌30	9°41	28°37	25°48	8°18	14° 1	10°58	0°26	4° 9	24°33	23°24	17°35	13°33	T 8
F 9	1 10 26	15°42'28	21°25	10°34	29°21	26°26	8°30	13°58	10°56	0°26	4° 9	24°31	23°21	17°41	13°31	F 9
S 10	1 14 23	16°41'57	3♏29	11°24	0♌ 4	27° 5	8°42	13°54	10°54	0°26	4° 9	24°29	23°18	17°48	13°29	S 10
S 11	1 18 19	17°41'27	15°46	12°10	0°46	27°43	8°53	13°51	10°52	0°26	4° 9	24°D28	23°15	17°55	13°27	S 11
M12	1 22 16	18°41'00	28°19	12°51	1°27	28°22	9° 5	13°47	10°50	0°D26	4° 9	24°29	23°11	18° 1	13°24	M12
T 13	1 26 12	19°40'34	11♌15	13°28	2° 7	29° 0	9°16	13°44	10°49	0°26	4° 9	24°30	23° 8	18° 8	13°22	T 13
W14	1 30 9	20°40'10	24°35	14° 1	2°46	29°39	9°27	13°41	10°47	0°26	4° 8	24°31	23° 5	18°15	13°20	W14
T 15	1 34 6	21°39'47	8♊22	14°27	3°23	0♌17	9°38	13°38	10°45	0°26	4° 8	24°33	23° 2	18°22	13°18	T 15
F 16	1 38 2	22°39'26	22°37	14°48	3°59	0°56	9°50	13°34	10°44	0°26	4° 8	24°R34	22°59	18°28	13°16	F 16
S 17	1 41 59	23°39'07	7°V16	15° 2	4°34	1°35	10° 1	13°31	10°42	0°26	4° 8	24°33	22°56	18°35	13°14	S 17
S 18	1 45 55	24°38'51	22°15	15°R 9	5° 8	2°13	10°12	13°29	10°41	0°26	4° 7	24°31	22°52	18°42	13°12	S 18
M19	1 49 52	25°38'36	7♏25	15° 8	5°40	2°52	10°23	13°26	10°39	0°27	4° 7	24°28	22°49	18°48	13°10	M19
T 20	1 53 48	26°38'23	22°36	14°59	6°11	3°30	10°33	13°23	10°38	0°27	4° 7	24°23	22°46	18°55	13° 8	T 20
W21	1 57 45	27°38'12	7♊38	14°42	6°40	4° 9	10°44	13°20	10°36	0°27	4° 6	24°18	22°43	19° 2	13° 7	W21
T 22	2 1 41	28°38'04	22°24	14°15	7° 7	4°47	10°55	13°18	10°35	0°27	4° 6	24°14	22°40	19° 8	13° 5	T 22
F 23	2 5 38	29°37'58	6♏46	13°39	7°33	5°26	11° 5	13°15	10°34	0°28	4° 5	24°10	22°37	19°15	13° 3	F 23
S 24	2 9 35	0♌37'54	20°42	12°54	7°58	6° 5	11°16	13°13	10°32	0°28	4° 5	24° 8	22°33	19°22	13° 1	S 24
S 25	2 13 31	1°37'52	4♌13	12° 1	8°20	6°43	11°26	13°11	10°31	0°29	4° 5	24°D 8	22°30	19°29	13° 0	S 25
M26	2 17 28	2°37'52	17°20	10°59	8°41	7°22	11°37	13° 8	10°30	0°29	4° 4	24° 9	22°27	19°35	12°58	M26
T 27	2 21 24	3°37'55	0♊ 5	9°50	9° 0	8° 1	11°47	13° 6	10°29	0°29	4° 4	24°10	22°24	19°42	12°57	T 27
W28	2 25 21	4°37'59	12°34	8°36	9°17	8°39	11°57	13° 4	10°28	0°30	4° 3	24°12	22°21	19°49	12°55	W28
T 29	2 29 17	5°38'06	24°50	7°19	9°32	9°18	12° 7	13° 2	10°27	0°30	4° 3	24°R12	22°17	19°55	12°54	T 29
F 30	2 33 14	6°38'14	6♌56	6° 1	9°45	9°57	12°17	13° 1	10°26	0°31	4° 2	24°12	22°14	20° 2	12°52	F 30
S 31	2 37 10	7♌38'25	18♌55	4♌44	9♌56	10♌35	12♊27	12♋59	10♌25	0°32	4♏ 1	24♋ 9	22♊11	20♌ 9	12♋51	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	decl	lat
T 1	3s 6	6n30	0n51	14s30	2s22	22s51	4s25	4n26	1n 5	9n51	0n56	8s15	2s18	8s 8	0s48	19s54	0n11	19n26	4s 0	2s 5	2s29	20s50	1s51	4n54		
F 2	3 29	0 36	0s17	15 0	2 28	23 8	4 30	4 11	1 5	9 47	0 56	8 16	2 18	8 9	0 48	19 54	0 11	19 26	4 0	2 5	2 30	20 52	1 52	4 54		
S 3	3 53	5s15	1 23	15 29	2 34	23 25	4 34	3 56	1 4	9 42	0 56	8 18	2 18	8 9	0 48	19 54	0 11	19 26	4 0	2 5	2 31	20 54	1 53	4 54		
S 4	4 16	10 50	2 25	15 57	2 40	23 41	4 39	3 40	1 4	9 38	0 56	8 19	2 18	8 10	0 48	19 55	0 11	19 26	4 0	2 6	2 32	20 57	1 54	4 54		
M 5	4 39	15 59	3 20	16 23	2 45	23 57	4 43	3 25	1 4	9 34	0 56	8 21	2 18	8 11	0 48	19 55	0 11	19 26	4 0	2 6	2 34	20 59	1 55	4 53		
T 6	5 2	20 31	4 6	16 48	2 50	24 13	4 47	3 10	1 4	9 29	0 56	8 22	2 18	8 11	0 48	19 55	0 11	19 26	4 0	2 6	2 35	21 2	1 56	4 53		
W 7	5 26	24 13	4 41	17 12	2 55	24 27	4 52	2 54	1 4	9 25	0 57	8 23	2 17	8 12	0 48	19 55	0 11	19 25	4 0	2 9	2 36	21 4	1 57	4 53		
T 8	5 49	26 55	5 4	17 34	2 59	24 42	4 56	2 39	1 4	9 21	0 57	8 25	2 17	8 13	0 48	19 55	0 11	19 25	4 0	2 10	2 37	21 7	1 58	4 53		
F 9	6 12	28 26	5 14	17 55	3 3	24 55	5 0	2 23	1 3	9 17	0 57	8 26	2 17	8 14	0 48	19 55	0 11	19 25	4 0	2 11	2 39	21 9	1 59	4 52		
S 10	6 35	28 37	5 11	18 13	3 6	25 8	5 3	2 8	1 3	9 12	0 57	8 27	2 17	8 14	0 48	19 55	0 11	19 25	4 0	2 12	2 40	21 11	2 0	4 52		
S 11	6 57	27 24	4 53	18 30	3 9	25 21	5 7	1 52	1 3	9 8	0 57	8 28	2 17	8 15	0 48	19 55	0 11	19 25	4 0	2 12	2 41	21 14	2 2	4 52		
M12	7 20	24 48	4 22	18 45	3 11	25 33	5 10	1 37	1 3	9 4	0 57	8 30	2 17	8 15	0 48	19 55	0 11	19 25	4 0	2 12	2 42	21 16	2 3	4 52		
T 13	7 43	20 53	3 36	18 58	3 12	25 45	5 14	1 21	1 3	9 0	0 57	8 31	2 17	8 16	0 48	19 55	0 11	19 25	4 0	2 11	2 44	21 19	2 4	4 52		
W14	8 5	15 49	2 37	19 8	3 13	25 55	5 17	1 6	1 2	8 56	0 58	8 32	2 17	8 17	0 48	19 55	0 11	19 25	4 0	2 11	2 45	21 21	2 5	4 51		
T 15	8 28	9 48	1 28	19 16	3 12	26 6	5 20	0 50	1 2	8 52	0 58	8 33	2 17	8 17	0 48	19 55	0 11	19 25	4 0	2 10	2 46	21 23	2 6	4 51		
F 16	8 50	3 6	0 11	19 21	3 11	26 16	5 22	0 35	1 2	8 48	0 58	8 34	2 17	8 18	0 48	19 55	0 11	19 25	4 0	2 10	2 48	21 26	2 7	4 51		
S 17	9 12	3n57	1n 9	19 23	3 8	26 25	5 25	0 19	1 2	8 44	0 58	8 35	2 16	8 18	0 48	19 55	0 11	19 25	4 0	2 10	2 49	21 28	2 8	4 51		
S 18	9 34	10 56	2 26	19 21	3 5	26 33	5 27	0 4	1 2	8 40	0 58	8 36	2 16	8 19	0 48	19 55	0 11	19 25	4 0	2 11	2 50	21 31	2 9	4 50		
M19	9 56	17 22	3 33	19 16	3 0	26 41	5 29	0s12	1 1	8 36	0 58	8 37	2 16	8 20	0 48	19 55	0 11	19 25	4 0	2 12	2 51	21 33	2 10	4 50		
T 20	10 18	22 44	4 25	19 7	2 53	26 49	5 31	0 28	1 1	8 32	0 59	8 38	2 16	8 20	0 48	19 55	0 11	19 25	4 0	2 14	2 53	21 35	2 11	4 50		
W21	10 39	26 32	4 59	18 55	2 45	26 55	5 33	0 43	1 1	8 28	0 59	8 39	2 16	8 21	0 48	19 55	0 11	19 25	4 0	2 16	2 54	21 38	2 11	4 50		
T 22	11 1	28 27	5 11	18 37	2 36	27 2	5 34	0 59	1 1	8 24	0 59	8 40	2 16	8 21	0 48	19 55	0 11	19 25	4 0	2 18	2 55	21 40	2 12	4 49		
F 23	11 22	28 22	5 4	18 16	2 25	27 7	5 35	1 14	1 1	8 20	0 59	8 41	2 16	8 22	0 48	19 55	0 11	19 25	4 0	2 19	2 56	21 42	2 13	4 49		
S 24	11 43	26 29	4 39	17 50	2 11	27 12	5 36	1 30	1 0	8 16	0 59	8 42	2 16	8 22	0 48	19 55	0 11	19 25	4 0	2 20	2 58	21 45	2 14	4 49		
S 25	12 4	23 6	3 59	17 19	1 57	27 16	5 36	1 45	1 0	8 12	0 59	8 42	2 15	8 22	0 48	19 55	0 11	19 25	4 0	2 20	2 59	21 47	2 15	4 48		
M26	12 25	18 38	3 7	16 44	1 40	27 19	5 36	2 1	1 0	8 8	1 0	8 43	2 15	8 23	0 48	19 54	0 11	19 25	4 0	2 20	3 0	21 49	2 16	4 48		
T 27	12 45	13 27	2 7	16 5	1 22	27 22	5 36	2 16	1 0	8 5	1 0	8 44	2 15	8 23	0 48	19 54	0 11	19 25	4 0	2 19	3 1	21 52	2 17	4 48		
W28	13 5	7 49	1 3	15 23	1 3	27 24	5 35	2 32	0 59	8 1	1 0	8 44	2 15	8 24	0 48	19 54	0 11	19 25	4 0	2 19	3 3	21 54	2 18	4 48		
T 29	13 26	2 0	0s 3	14 39	0 43	27 25	5 34	2 47	0 59	7 57	1 0	8 45	2 15	8 24	0 48	19 54	0 11	19 25	4 1	2 18	3 4	21 56	2 18	4 47		
F 30	13 45	3s48	1 8	13 54	0 22	27 26	5 33	3 3	0 59	7 54	1 0	8 46	2 15	8 24	0 48	19 54	0 11	19 25	4 1	2 19	3 5	21 59	2 19	4 47		
S 31	14s 5	9s25	2s10	13s 9	0s 2	27s26	5s31	3s18	0n59	7n50	1n 1	8s46	2s15	8s25	0s48	19s54	0n11	19n25	4s 1	2s20	3s 6	22s 1	2s20	4n47		

Julian Day Number = 2331653.5, Delta T = 28.63 sec
Ecliptic obliquity = 23°29'05", Nutation = 0°00'01", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°09'30", Lahiri = 19°16'31Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1671

geocentric

DECEMBER 1671 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 39 24	8°56'36	3°23	25°1	29°R 1	0°M41	16°M34	12°K57	10°K18	1°≈ 6	3°R34	21°R24	20°K33	23°M37	12°K37	T 1
W 2	4 43 20	9°57'34	15°18	26°32	28°M30	1°20	16°40	12°59	10°19	1° 8	3°E33	21°K 9	20°29	23°43	12°37	W 2
T 3	4 47 17	10°58'33	27°18	28° 3	28° 1	1°59	16°46	13° 1	10°20	1° 9	3°32	20°55	20°26	23°50	12°38	T 3
F 4	4 51 13	11°59'32	9°24	29°35	27°33	2°38	16°51	13° 2	10°20	1°11	3°31	20°41	20°23	23°57	12°39	F 4
S 5	4 55 10	13° 0'33	21°37	1°7	27° 8	3°18	16°57	13° 4	10°21	1°13	3°30	20°30	20°20	24° 3	12°39	S 5
S 6	4 59 6	14° 1'33	3°59	2°39	26°44	3°57	17° 2	13° 6	10°22	1°14	3°29	20°21	20°17	24°10	12°40	S 6
M 7	5 3 3	15° 2'35	16°33	4°11	26°23	4°36	17° 7	13° 9	10°23	1°16	3°28	20°16	20°14	24°17	12°41	M 7
T 8	5 7 0	16° 3'37	29°21	5°44	26° 4	5°15	17°12	13°11	10°24	1°18	3°27	20°14	20°10	24°24	12°42	T 8
W 9	5 10 56	17° 4'40	12°26	7°16	25°47	5°54	17°16	13°13	10°25	1°19	3°25	20°13	20° 7	24°30	12°42	W 9
T 10	5 14 53	18° 5'43	25°53	8°49	25°33	6°33	17°21	13°16	10°26	1°21	3°24	20°13	20° 4	24°37	12°43	T 10
F 11	5 18 49	19° 6'46	9°Y44	10°22	25°21	7°12	17°25	13°18	10°27	1°23	3°23	20°12	20° 1	24°44	12°44	F 11
S 12	5 22 46	20° 7'50	23°59	11°55	25°12	7°52	17°29	13°21	10°28	1°25	3°22	20° 9	19°58	24°50	12°45	S 12
S 13	5 26 42	21° 8'54	8°39	13°28	25° 5	8°31	17°33	13°24	10°29	1°27	3°21	20° 4	19°54	24°57	12°46	S 13
M14	5 30 39	22° 9'59	23°38	15° 1	25° 0	9°10	17°37	13°26	10°30	1°28	3°19	19°56	19°51	25° 4	12°48	M14
T 15	5 34 36	23°11'04	8°II49	16°35	24°D58	9°49	17°40	13°29	10°32	1°30	3°18	19°45	19°48	25°11	12°49	T 15
W16	5 38 32	24°12'09	24° 2	18° 8	24°59	10°29	17°44	13°33	10°33	1°32	3°17	19°34	19°45	25°17	12°50	W16
T 17	5 42 29	25°13'16	9°E 5	19°42	25° 2	11° 8	17°47	13°36	10°34	1°34	3°16	19°22	19°42	25°24	12°52	T 17
F 18	5 46 25	26°14'22	23°48	21°16	25° 7	11°47	17°50	13°39	10°36	1°36	3°15	19°12	19°39	25°31	12°53	F 18
S 19	5 50 22	27°15'29	8°L 5	22°50	25°15	12°26	17°53	13°42	10°37	1°38	3°13	19° 4	19°35	25°37	12°54	S 19
S 20	5 54 18	28°16'37	21°52	24°25	25°25	13° 6	17°56	13°46	10°39	1°40	3°12	18°59	19°32	25°44	12°56	S 20
M21	5 58 15	29°17'45	5°M10	25°59	25°37	13°45	17°58	13°49	10°40	1°42	3°11	18°56	19°29	25°51	12°57	M21
T 22	6 2 11	0°318'54	18° 1	27°34	25°52	14°24	18° 1	13°53	10°42	1°44	3°10	18°D56	19°26	25°58	12°59	T 22
W23	6 6 8	1°20'03	0°A29	29° 9	26° 8	15° 3	18° 3	13°57	10°44	1°46	3° 9	18°R56	19°23	26° 4	13° 1	W23
T 24	6 10 5	2°21'13	12°39	0°345	26°27	15°43	18° 5	14° 0	10°45	1°48	3° 7	18°55	19°20	26°11	13° 2	T 24
F 25	6 14 1	3°22'23	24°37	2°20	26°47	16°22	18° 7	14° 4	10°47	1°50	3° 6	18°53	19°16	26°18	13° 4	F 25
S 26	6 17 58	4°23'34	6°M29	3°56	27°10	17° 2	18° 8	14° 8	10°49	1°52	3° 5	18°49	19°13	26°24	13° 6	S 26
S 27	6 21 54	5°24'45	18°18	5°33	27°34	17°41	18°10	14°12	10°51	1°54	3° 4	18°42	19°10	26°31	13° 8	S 27
M28	6 25 51	6°25'56	0°X 9	7° 9	28° 0	18°20	18°11	14°16	10°52	1°56	3° 2	18°32	19° 7	26°38	13°10	M28
T 29	6 29 47	7°27'08	12° 4	8°46	28°28	19° 0	18°12	14°21	10°54	1°58	3° 1	18°19	19° 4	26°45	13°12	T 29
W30	6 33 44	8°28'20	24° 5	10°24	28°58	19°39	18°13	14°25	10°56	2° 0	3° 0	18° 6	19° 1	26°51	13°14	W30
T 31	6 37 40	9°329'31	6°315	12°3	29°M29	20°M18	18°M13	14°K29	10°K58	2°≈ 3	2°E59	17°K52	18°K57	26°M58	13°K16	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	21s50	25s32	4s45	18s11	0n54	20s 9	0s10	10s58	0n49	6m21	1n 7	8s42	2s 9	8s26	0s46	19s47
W 2	21 59	27 36	4 58	18 39	0 47	19 47	0n 5	11 12	0 49	6 19	1 8	8 41	2 9	8 26	0 46	19 47
T 3	22 8	28 25	4 58	19 7	0 40	19 26	0 20	11 26	0 48	6 17	1 8	8 40	2 9	8 25	0 46	19 46
F 4	22 16	27 52	4 44	19 34	0 33	19 5	0 35	11 40	0 48	6 15	1 8	8 39	2 8	8 25	0 46	19 46
S 5	22 24	25 58	4 17	20 0	0 25	18 45	0 49	11 53	0 48	6 13	1 8	8 38	2 8	8 25	0 46	19 46
S 6	22 32	22 49	3 38	20 26	0 18	18 26	1 3	12 7	0 47	6 11	1 9	8 37	2 8	8 24	0 46	19 45
M 7	22 39	18 34	2 48	20 50	0 11	18 8	1 17	12 21	0 47	6 9	1 9	8 36	2 8	8 24	0 46	19 45
T 8	22 45	13 24	1 48	21 14	0 4	17 51	1 30	12 34	0 46	6 8	1 9	8 35	2 8	8 24	0 46	19 45
W 9	22 51	7 32	0 41	21 37	0s 3	17 34	1 43	12 47	0 46	6 6	1 10	8 34	2 8	8 23	0 46	19 44
T 10	22 57	1 11	0n30	21 58	0 10	17 19	1 55	13 1	0 46	6 5	1 10	8 33	2 7	8 23	0 46	19 44
F 11	23 2	5n24	1 41	22 19	0 17	17 5	2 7	13 14	0 45	6 3	1 10	8 32	2 7	8 22	0 46	19 43
S 12	23 7	11 55	2 48	22 39	0 23	16 52	2 18	13 27	0 45	6 2	1 10	8 31	2 7	8 22	0 46	19 43
S 13	23 11	17 58	3 46	22 57	0 30	16 40	2 29	13 40	0 44	6 1	1 11	8 29	2 7	8 21	0 46	19 43
M14	23 15	23 4	4 29	23 14	0 36	16 29	2 39	13 53	0 44	5 59	1 11	8 28	2 7	8 21	0 46	19 42
T 15	23 18	26 40	4 54	23 31	0 43	16 19	2 49	14 6	0 43	5 58	1 11	8 27	2 7	8 20	0 46	19 42
W16	23 21	28 20	4 59	23 46	0 49	16 10	2 58	14 19	0 43	5 57	1 11	8 26	2 6	8 20	0 46	19 41
T 17	23 24	27 52	4 43	24 0	0 55	16 2	3 7	14 31	0 43	5 56	1 12	8 24	2 6	8 19	0 46	19 41
F 18	23 26	25 27	4 8	24 12	1 1	15 56	3 15	14 44	0 42	5 55	1 12	8 23	2 6	8 19	0 46	19 41
S 19	23 27	21 28	3 18	24 24	1 6	15 50	3 22	14 56	0 42	5 54	1 12	8 21	2 6	8 18	0 46	19 40
S 20	23 28	16 25	2 18	24 34	1 12	15 45	3 30	15 9	0 41	5 54	1 13	8 20	2 6	8 18	0 46	19 40
M21	23 29	10 45	1 12	24 42	1 17	15 42	3 36	15 21	0 41	5 53	1 13	8 18	2 6	8 17	0 46	19 39
T 22	23 29	4 49	0 5	24 50	1 22	15 39	3 43	15 33	0 40	5 52	1 13	8 17	2 5	8 16	0 46	19 39
W23	23 29	1s 7	1s 1	24 56	1 27	15 37	3 48	15 45	0 40	5 52	1 13	8 15	2 5	8 16	0 46	19 39
T 24	23 28	6 53	2 2	25 1	1 32	15 36	3 54	15 57	0 39	5 51	1 14	8 14	2 5	8 15	0 46	19 38
F 25	23 26	12 18	2 57	25 4	1 36	15 36	3 59	16 9	0 39	5 51	1 14	8 12	2 5	8 14	0 45	19 38
S 26	23 25	17 13	3 44	25 6	1 40	15 37	4 3	16 20	0 38	5 50	1 14	8 10	2 5	8 14	0 45	19 37
S 27	23 22	21 28	4 20	25 6	1 44	15 38	4 7	16 32	0 38	5 50	1 14	8 9	2 5	8 13	0 45	19 37
M28	23 20	24 52	4 46	25 5	1 48	15 40	4 11	16 43	0 37	5 50	1 15	8 7	2 4	8 12	0 45	19 36
T 29	23 16	27 13	4 59	25 3	1 51	15 43	4 15	16 55	0 37	5 50	1 15	8 5	2 4	8 11	0 45	19 36
W30	23 13	28 20	4 59	24 59	1 54	15 46	4 18	17 6	0 36	5 50	1 15	8 3	2 4	8 11	0 45	19 35
T 31	23s 9	28s 6	4s46	24s53	1s57	15s50	4n20	17s17	0n36	5n50	1n16	8s 1	2s 4	8s10	0s45	19s35

Julian Day Number = 2331714.5, Delta T = 28.52 sec
 Ecliptic obliquity = 23°29'03, Nutation = 0°00'02, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°09'39, Lahiri = 19°16'39Greg. Calendar