

Ephemerides year 2031

Ephemeris Tables for the year 2031

Tropical Zodiac

Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, Moon's Node, Chiron, Lilith, True Node, True Lilith, Eris, Sedna

Tradizione Esoterica - Web: <https://tradizione-esoterica.com> - eMail: tradizione.esoterica@gmail.com

Symbols

Planets

☉ = Sun
☾ = Moon
☿ = Mercury
♀ = Venus
♂ = Mars
♃ = Jupiter
♄ = Saturn
♅ = Uranus
♆ = Neptune
♇ = Pluto
♁ = Eris
♂♁ = Sedna

Zodiacal Signs

♈ = Aries
♉ = Taurus
♊ = Gemini
♋ = Cancer
♌ = Leo
♍ = Virgo
♎ = Libra
♏ = Scorpio
♐ = Sagittarius
♑ = Capricorn
♒ = Aquarius
♓ = Pisces

Asteroids and Other Points

♄♁ = Chiron
♁ = Moon's Node
T♁ = True Node
♁ = Lilith
T♁ = True Lilith

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Date	Time	Planet	Longitude	Declination	Latitude	Speed	Radius
01/01/2031	00:00:00	♃	10°21'18" ♃	-23°01'48"	00°00'00"	01°01'09"	0.983
01/01/2031	00:00:00	♄	15°23'25" ♄	09°49'58"	04°05'36"	12°33'48"	0.003
01/01/2031	00:00:00	♅	18°03'37" ♅	-20°33'16"	02°21'09"	00°44'33"	0.936
01/01/2031	00:00:00	♆	28°03'26" ♆	-21°55'17"	-01°24'15"	01°15'08"	1.600
01/01/2031	00:00:00	♇	22°29'38" ♇	-07°07'45"	01°44'49"	00°31'08"	1.564
01/01/2031	00:00:00	♈	15°22'28" ♈	-22°04'39"	00°33'26"	00°12'50"	6.209
01/01/2031	00:00:00	♉	02°55'55" ♉r	18°46'29"	-02°00'10"	-00°03'21"	8.263
01/01/2031	00:00:00	♊	20°03'55" ♊r	23°09'35"	00°05'52"	-00°02'21"	18.226
01/01/2031	00:00:00	♋	10°36'12" ♋	02°46'54"	-01°32'14"	00°00'21"	29.831
01/01/2031	00:00:00	♌	10°43'27" ♌	-23°24'25"	-06°06'16"	00°01'38"	37.543
01/01/2031	00:00:00	♍	06°51'09" ♍	-21°26'57"	00°00'00"	00°00'33"	0.002
01/01/2031	00:00:00	♎	12°17'05" ♎r	13°42'04"	-01°54'32"	-00°01'13"	16.344
01/01/2031	00:00:00	♏	24°39'04" ♏	21°38'00"	-01°41'37"	00°06'39"	0.003
01/01/2031	00:00:00	♐	06°51'09" ♐	-21°26'57"	00°00'00"	00°00'33"	0.002
01/01/2031	00:00:00	♑	12°39'41" ♑r	21°47'02"	-00°31'50"	-00°04'49"	0.003
01/01/2031	00:00:00	♒	25°47'44" ♒r	01°01'42"	-09°34'47"	-00°00'08"	94.803
01/01/2031	00:00:00	♓	04°14'19" ♓r	09°18'34"	-11°52'14"	-00°00'30"	81.013

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02/01/2031 00:00:00	☉	11°22'27" ♍	-22°56'49"	00°00'00"	01°01'09"	0.983
02/01/2031 00:00:00	☾	27°47'34" ♏	13°45'54"	03°17'59"	12°15'17"	0.003
02/01/2031 00:00:00	♁	18°50'40" ♏	-20°45'17"	02°13'06"	00°49'25"	0.957
02/01/2031 00:00:00	♂	29°18'33" ♍	-21°41'00"	-01°25'26"	01°15'07"	1.597
02/01/2031 00:00:00	♂	23°00'43" ♎	-07°19'01"	01°45'04"	00°31'01"	1.554
02/01/2031 00:00:00	♃	15°35'17" ♏	-22°06'04"	00°33'24"	00°12'48"	6.202
02/01/2031 00:00:00	♄	02°52'37" ♏	18°46'04"	-01°59'57"	-00°03'16"	8.273
02/01/2031 00:00:00	♅	20°01'34" ♏	23°09'25"	00°05'52"	-00°02'19"	18.232
02/01/2031 00:00:00	♆	10°36'34" ♏	02°47'06"	-01°32'12"	00°00'23"	29.849
02/01/2031 00:00:00	♇	10°45'06" ♎	-23°23'56"	-06°06'16"	00°01'39"	37.552
02/01/2031 00:00:00	♈	06°52'14" ♏	-21°27'08"	00°00'00"	00°01'31"	0.002
02/01/2031 00:00:00	♉	12°15'53" ♏	13°41'43"	-01°54'31"	-00°01'10"	16.358
02/01/2031 00:00:00	♊	24°45'43" ♏	21°37'26"	-01°42'27"	00°06'39"	0.003
02/01/2031 00:00:00	♋	06°52'14" ♏	-21°27'08"	00°00'00"	00°01'31"	0.002
02/01/2031 00:00:00	♌	13°01'28" ♏	21°47'56"	-00°33'42"	00°46'26"	0.003
02/01/2031 00:00:00	♍	25°47'36" ♏	01°01'47"	-09°34'39"	-00°00'07"	94.820
02/01/2031 00:00:00	♎	04°13'49" ♏	09°18'35"	-11°52'08"	-00°00'29"	81.023
03/01/2031 00:00:00	☉	12°23'36" ♍	-22°51'23"	00°00'00"	01°01'08"	0.983
03/01/2031 00:00:00	☾	09°55'37" ♏	17°02'21"	02°22'25"	12°01'36"	0.003

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03/01/2031 00:00:00	♀	19°42'18" ♂	-20°57'41"	02°04'46"	00°53'45"	0.978
03/01/2031 00:00:00	♀	00°33'40" ♁	-21°26'05"	-01°26'34"	01°15'06"	1.594
03/01/2031 00:00:00	♂	23°31'41" ♁	-07°30'12"	01°45'17"	00°30'53"	1.544
03/01/2031 00:00:00	♃	15°48'05" ♂	-22°07'28"	00°33'21"	00°12'45"	6.194
03/01/2031 00:00:00	♃	02°49'23" ♃	18°45'40"	-01°59'43"	-00°03'10"	8.284
03/01/2031 00:00:00	♃	19°59'15" ♃	23°09'15"	00°05'53"	-00°02'18"	18.239
03/01/2031 00:00:00	♃	10°36'58" ♃	02°47'18"	-01°32'09"	00°00'25"	29.866
03/01/2031 00:00:00	♃	10°46'46" ♁	-23°23'27"	-06°06'15"	00°01'40"	37.562
03/01/2031 00:00:00	♃	06°53'59" ♂	-21°27'26"	00°00'00"	00°01'51"	0.002
03/01/2031 00:00:00	♃	12°14'44" ♂	13°41'24"	-01°54'30"	-00°01'06"	16.372
03/01/2031 00:00:00	♃	24°52'23" ♃	21°36'51"	-01°43'17"	00°06'39"	0.003
03/01/2031 00:00:00	♃	06°53'59" ♂	-21°27'26"	00°00'00"	00°01'51"	0.002
03/01/2031 00:00:00	♃	14°08'05" ♃	21°50'11"	-00°39'34"	01°24'28"	0.003
03/01/2031 00:00:00	X	25°47'28" ♃	01°01'52"	-09°34'31"	-00°00'06"	94.836
03/01/2031 00:00:00	Y	04°13'20" ♃	09°18'35"	-11°52'03"	-00°00'29"	81.033
04/01/2031 00:00:00	♃	13°24'45" ♂	-22°45'30"	00°00'00"	01°01'08"	0.983
04/01/2031 00:00:00	♃	21°52'21" ♂	19°32'31"	01°21'29"	11°52'36"	0.003
04/01/2031 00:00:00	♀	20°38'01" ♂	-21°10'17"	01°56'11"	00°57'36"	0.999
04/01/2031 00:00:00	♀	01°48'47" ♁	-21°10'32"	-01°27'38"	01°15'05"	1.591

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04/01/2031 00:00:00	♂	24°02'30" ♉	-07°41'18"	01°45'31"	00°30'45"	1.534
04/01/2031 00:00:00	♃	16°00'49" ♈	-22°08'50"	00°33'19"	00°12'43"	6.187
04/01/2031 00:00:00	♅	02°46'15" ♊	18°45'17"	-01°59'30"	-00°03'05"	8.294
04/01/2031 00:00:00	♁	19°56'57" ♋	23°09'05"	00°05'53"	-00°02'16"	18.245
04/01/2031 00:00:00	♆	10°37'25" ♎	02°47'31"	-01°32'06"	00°00'27"	29.883
04/01/2031 00:00:00	♁	10°48'26" ♉	-23°22'59"	-06°06'14"	00°01'40"	37.570
04/01/2031 00:00:00	♄	06°55'43" ♈	-21°27'43"	00°00'00"	00°01'29"	0.002
04/01/2031 00:00:00	♅	12°13'39" ♊	13°41'05"	-01°54'29"	-00°01'03"	16.385
04/01/2031 00:00:00	♁	24°59'02" ♉	21°36'17"	-01°44'07"	00°06'39"	0.003
04/01/2031 00:00:00	♄	06°55'43" ♈	-21°27'43"	00°00'00"	00°01'29"	0.002
04/01/2031 00:00:00	♁	15°45'51" ♉	21°52'29"	-00°48'11"	01°48'57"	0.003
04/01/2031 00:00:00	♎	25°47'22" ♎	01°01'57"	-09°34'23"	-00°00'06"	94.853
04/01/2031 00:00:00	♊	04°12'50" ♊	09°18'36"	-11°51'57"	-00°00'28"	81.043
05/01/2031 00:00:00	♁	14°25'54" ♉	-22°39'09"	-00°00'00"	01°01'08"	0.983
05/01/2031 00:00:00	♁	03°42'14" ♉	21°10'39"	00°17'42"	11°47'50"	0.003
05/01/2031 00:00:00	♈	21°37'23" ♈	-21°22'54"	01°47'27"	01°01'01"	1.019
05/01/2031 00:00:00	♁	03°03'52" ♉	-20°54'22"	-01°28'39"	01°15'04"	1.588
05/01/2031 00:00:00	♂	24°33'12" ♉	-07°52'18"	01°45'45"	00°30'37"	1.524
05/01/2031 00:00:00	♃	16°13'31" ♈	-22°10'11"	00°33'16"	00°12'40"	6.179

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05/01/2031 00:00:00	♃	02°43'13" ♀	18°44'56"	-01°59'16"	-00°02'59"	8.305
05/01/2031 00:00:00	♃	19°54'41" ♀	23°08'55"	00°05'54"	-00°02'15"	18.252
05/01/2031 00:00:00	♃	10°37'53" ♀	02°47'45"	-01°32'03"	00°00'29"	29.901
05/01/2031 00:00:00	♃	10°50'08" ♀	-23°22'30"	-06°06'14"	00°01'41"	37.579
05/01/2031 00:00:00	♃	06°56'44" ♀	-21°27'53"	00°00'00"	00°00'24"	0.002
05/01/2031 00:00:00	♃	12°12'37" ♀	13°40'48"	-01°54'28"	-00°00'59"	16.400
05/01/2031 00:00:00	♃	25°05'41" ♀	21°35'41"	-01°44'57"	00°06'39"	0.003
05/01/2031 00:00:00	♃	06°56'44" ♀	-21°27'53"	00°00'00"	00°00'24"	0.002
05/01/2031 00:00:00	♃	17°42'33" ♀	21°53'43"	-00°58'29"	02°03'07"	0.003
05/01/2031 00:00:00	♃	25°47'16" ♀	01°02'03"	-09°34'15"	-00°00'05"	94.869
05/01/2031 00:00:00	♃	04°12'22" ♀	09°18'37"	-11°51'51"	-00°00'28"	81.053
06/01/2031 00:00:00	♃	15°27'02" ♀	-22°32'22"	-00°00'00"	01°01'08"	0.983
06/01/2031 00:00:00	♃	15°29'14" ♀	21°52'27"	-00°46'26"	11°46'43"	0.003
06/01/2031 00:00:00	♃	22°39'58" ♀	-21°35'23"	01°38'37"	01°04'04"	1.038
06/01/2031 00:00:00	♃	04°18'56" ♀	-20°37'35"	-01°29'36"	01°15'04"	1.585
06/01/2031 00:00:00	♃	25°03'46" ♀	-08°03'14"	01°45'58"	00°30'29"	1.514
06/01/2031 00:00:00	♃	16°26'09" ♀	-22°11'31"	00°33'14"	00°12'37"	6.171
06/01/2031 00:00:00	♃	02°40'16" ♀	18°44'35"	-01°59'02"	-00°02'54"	8.316
06/01/2031 00:00:00	♃	19°52'27" ♀	23°08'45"	00°05'54"	-00°02'13"	18.259

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06/01/2031 00:00:00	♁	10°38'24"	♄	02°47'59"	-01°32'00"	00°00'31"	29.918
06/01/2031 00:00:00	♁	10°51'50"	♊	-23°22'01"	-06°06'14"	00°01'42"	37.587
06/01/2031 00:00:00	♁	06°56'21"	♄r	-21°27'49"	00°00'00"	-00°01'14"	0.002
06/01/2031 00:00:00	♁	12°11'39"	♄r	13°40'31"	-01°54'26"	-00°00'56"	16.414
06/01/2031 00:00:00	♁	25°12'21"	♁	21°35'06"	-01°45'47"	00°06'39"	0.003
06/01/2031 00:00:00	T♁	06°56'21"	♄r	-21°27'49"	00°00'00"	-00°01'14"	0.002
06/01/2031 00:00:00	T♁	19°50'39"	♁	21°53'09"	-01°09'46"	02°12'59"	0.003
06/01/2031 00:00:00	X	25°47'11"	♄r	01°02'08"	-09°34'07"	-00°00'04"	94.886
06/01/2031 00:00:00	Y	04°11'54"	♁r	09°18'38"	-11°51'45"	-00°00'27"	81.064
07/01/2031 00:00:00	♁	16°28'10"	♁	-22°25'08"	-00°00'00"	01°01'08"	0.983
07/01/2031 00:00:00	♁	27°16'40"	♁	21°35'53"	-01°48'29"	11°48'35"	0.003
07/01/2031 00:00:00	♁	23°45'25"	♄	-21°47'35"	01°29'42"	01°06'47"	1.057
07/01/2031 00:00:00	♁	05°34'00"	♊	-20°20'12"	-01°30'29"	01°15'03"	1.581
07/01/2031 00:00:00	♁	25°34'11"	♁	-08°14'04"	01°46'12"	00°30'21"	1.504
07/01/2031 00:00:00	♁	16°38'45"	♄	-22°12'49"	00°33'11"	00°12'34"	6.163
07/01/2031 00:00:00	♁	02°37'25"	♁r	18°44'16"	-01°58'48"	-00°02'48"	8.328
07/01/2031 00:00:00	♁	19°50'14"	♁r	23°08'35"	00°05'55"	-00°02'12"	18.267
07/01/2031 00:00:00	♁	10°38'57"	♄	02°48'15"	-01°31'57"	00°00'33"	29.935
07/01/2031 00:00:00	♁	10°53'33"	♊	-23°21'32"	-06°06'14"	00°01'43"	37.595

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07/01/2031 00:00:00	♏	06°54'08" ♀r	-21°27'27"	00°00'00"	-00°03'14"	0.002
07/01/2031 00:00:00	♋	12°10'44" ♂r	13°40'16"	-01°54'25"	-00°00'52"	16.428
07/01/2031 00:00:00	♌	25°19'00" ♀	21°34'30"	-01°46'37"	00°06'39"	0.003
07/01/2031 00:00:00	T♏	06°54'08" ♀r	-21°27'27"	00°00'00"	-00°03'14"	0.002
07/01/2031 00:00:00	T♌	22°09'40" ♀	21°50'15"	-01°22'01"	02°26'16"	0.003
07/01/2031 00:00:00	X	25°47'06" ♀r	01°02'14"	-09°33'59"	-00°00'04"	94.903
07/01/2031 00:00:00	Y	04°11'27" ♀r	09°18'40"	-11°51'38"	-00°00'27"	81.074
08/01/2031 00:00:00	♁	17°29'18" ♂	-22°17'27"	-00°00'00"	01°01'07"	0.983
08/01/2031 00:00:00	♂	09°07'12" ♀	20°21'38"	-02°45'57"	11°52'49"	0.003
08/01/2031 00:00:00	♀	24°53'27" ♀	-21°59'24"	01°20'46"	01°09'12"	1.076
08/01/2031 00:00:00	♀	06°49'03" ♀	-20°02'13"	-01°31'18"	01°15'02"	1.578
08/01/2031 00:00:00	♂	26°04'29" ♀	-08°24'49"	01°46'25"	00°30'13"	1.494
08/01/2031 00:00:00	♉	16°51'18" ♀	-22°14'05"	00°33'09"	00°12'31"	6.154
08/01/2031 00:00:00	♊	02°34'39" ♀r	18°43'58"	-01°58'33"	-00°02'42"	8.340
08/01/2031 00:00:00	♊	19°48'02" ♀r	23°08'26"	00°05'55"	-00°02'10"	18.274
08/01/2031 00:00:00	♊	10°39'32" ♀r	02°48'31"	-01°31'54"	00°00'35"	29.952
08/01/2031 00:00:00	♊	10°55'16" ♀	-23°21'03"	-06°06'14"	00°01'43"	37.603
08/01/2031 00:00:00	♏	06°49'51" ♀r	-21°26'44"	00°00'00"	-00°05'17"	0.002
08/01/2031 00:00:00	♋	12°09'53" ♂r	13°40'02"	-01°54'23"	-00°00'49"	16.443

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08/01/2031 00:00:00	☾	25°25'39" ♀	21°33'54"	-01°47'27"	00°06'39"	0.003
08/01/2031 00:00:00	♄	06°49'51" ♂	-21°26'44"	00°00'00"	-00°05'17"	0.002
08/01/2031 00:00:00	♃	24°46'36" ♀	21°44'09"	-01°35'46"	02°49'30"	0.003
08/01/2031 00:00:00	X	25°47'02" ♂	01°02'21"	-09°33'50"	-00°00'03"	94.919
08/01/2031 00:00:00	Y	04°11'00" ♀	09°18'41"	-11°51'32"	-00°00'26"	81.085
09/01/2031 00:00:00	☉	18°30'26" ♂	-22°09'21"	-00°00'00"	01°01'07"	0.983
09/01/2031 00:00:00	☾	21°02'55" ♀	18°13'17"	-03°36'27"	11°58'52"	0.003
09/01/2031 00:00:00	♃	26°03'46" ♂	-22°10'42"	01°11'51"	01°11'22"	1.094
09/01/2031 00:00:00	♀	08°04'04" ♀	-19°43'40"	-01°32'04"	01°15'01"	1.575
09/01/2031 00:00:00	♂	26°34'38" ♂	-08°35'28"	01°46'38"	00°30'04"	1.484
09/01/2031 00:00:00	♃	17°03'48" ♂	-22°15'20"	00°33'07"	00°12'28"	6.146
09/01/2031 00:00:00	♃	02°31'59" ♀	18°43'42"	-01°58'19"	-00°02'36"	8.351
09/01/2031 00:00:00	♃	19°45'53" ♀	23°08'16"	00°05'55"	-00°02'08"	18.282
09/01/2031 00:00:00	♃	10°40'09" ♂	02°48'48"	-01°31'52"	00°00'37"	29.970
09/01/2031 00:00:00	♃	10°57'00" ♀	-23°20'34"	-06°06'15"	00°01'44"	37.610
09/01/2031 00:00:00	♄	06°43'37" ♂	-21°25'41"	00°00'00"	-00°07'05"	0.002
09/01/2031 00:00:00	♃	12°09'06" ♂	13°39'49"	-01°54'22"	-00°00'45"	16.457
09/01/2031 00:00:00	☾	25°32'19" ♀	21°33'18"	-01°48'16"	00°06'39"	0.003
09/01/2031 00:00:00	♄	06°43'37" ♂	-21°25'41"	00°00'00"	-00°07'05"	0.002

Ephemerides year 2031

09/01/2031 00:00:00	T♄	27°52'18" ♀	21°33'10"	-01°51'51"	03°23'16"	0.003
09/01/2031 00:00:00	X	25°46'59" ♀	01°02'27"	-09°33'42"	-00°00'02"	94.936
09/01/2031 00:00:00	Y	04°10'33" ♀	09°18'43"	-11°51'26"	-00°00'26"	81.096
10/01/2031 00:00:00	☉	19°31'34" ♀	-22°00'48"	-00°00'00"	01°01'07"	0.983
10/01/2031 00:00:00	☾	03°05'26" ♀	15°16'49"	-04°17'41"	12°06'21"	0.003
10/01/2031 00:00:00	♁	27°16'07" ♀	-22°21'23"	01°02'58"	01°13'19"	1.112
10/01/2031 00:00:00	♂	09°19'05" ♀	-19°24'33"	-01°32'45"	01°15'00"	1.572
10/01/2031 00:00:00	♂	27°04'38" ♀	-08°46'02"	01°46'51"	00°29'55"	1.473
10/01/2031 00:00:00	♂	17°16'14" ♀	-22°16'33"	00°33'05"	00°12'24"	6.137
10/01/2031 00:00:00	♃	02°29'25" ♀	18°43'26"	-01°58'04"	-00°02'31"	8.363
10/01/2031 00:00:00	♃	19°43'45" ♀	23°08'07"	00°05'56"	-00°02'07"	18.290
10/01/2031 00:00:00	♃	10°40'47" ♀	02°49'06"	-01°31'49"	00°00'39"	29.987
10/01/2031 00:00:00	♃	10°58'45" ♀	-23°20'05"	-06°06'15"	00°01'44"	37.618
10/01/2031 00:00:00	♃	06°35'51" ♀	-21°24'22"	00°00'00"	-00°08'20"	0.002
10/01/2031 00:00:00	♃	12°08'22" ♀	13°39'37"	-01°54'20"	-00°00'42"	16.472
10/01/2031 00:00:00	♃	25°38'58" ♀	21°32'41"	-01°49'06"	00°06'39"	0.003
10/01/2031 00:00:00	T♄	06°35'51" ♀	-21°24'22"	00°00'00"	-00°08'20"	0.002
10/01/2031 00:00:00	T♄	01°34'09" ♀	21°14'50"	-02°10'39"	03°59'54"	0.003
10/01/2031 00:00:00	X	25°46'56" ♀	01°02'34"	-09°33'34"	-00°00'02"	94.953

Ephemerides year 2031

10/01/2031 00:00:00	Y	04°10'07" ♀	09°18'45"	-11°51'19"	-00°00'25"	81.108
11/01/2031 00:00:00	☉	20°32'41" ♄	-21°51'49"	-00°00'00"	01°01'07"	0.983
11/01/2031 00:00:00	☾	15°16'03" ♃	11°40'03"	-04°47'39"	12°15'04"	0.003
11/01/2031 00:00:00	♀	28°30'20" ♄	-22°31'23"	00°54'08"	01°15'04"	1.128
11/01/2031 00:00:00	♀	10°34'05" ♁	-19°04'52"	-01°33'23"	01°14'59"	1.568
11/01/2031 00:00:00	♂	27°34'29" ♁	-08°56'31"	01°47'04"	00°29'46"	1.463
11/01/2031 00:00:00	♃	17°28'37" ♄	-22°17'45"	00°33'03"	00°12'21"	6.128
11/01/2031 00:00:00	♅	02°26'57" ♀	18°43'12"	-01°57'50"	-00°02'25"	8.376
11/01/2031 00:00:00	♁	19°41'39" ♀	23°07'58"	00°05'56"	-00°02'05"	18.299
11/01/2031 00:00:00	♃	10°41'28" ♃	02°49'25"	-01°31'46"	00°00'41"	30.004
11/01/2031 00:00:00	♁	11°00'30" ♁	-23°19'36"	-06°06'16"	00°01'45"	37.625
11/01/2031 00:00:00	♁	06°27'12" ♄	-21°22'54"	00°00'00"	-00°08'48"	0.002
11/01/2031 00:00:00	♃	12°07'41" ♃	13°39'26"	-01°54'19"	-00°00'38"	16.487
11/01/2031 00:00:00	♀	25°45'37" ♀	21°32'05"	-01°49'56"	00°06'39"	0.003
11/01/2031 00:00:00	T♁	06°27'12" ♄	-21°22'54"	00°00'00"	-00°08'48"	0.002
11/01/2031 00:00:00	T♃	05°48'52" ♃	20°47'00"	-02°31'31"	04°26'50"	0.003
11/01/2031 00:00:00	X	25°46'54" ♃	01°02'41"	-09°33'26"	-00°00'01"	94.970
11/01/2031 00:00:00	Y	04°09'42" ♀	09°18'48"	-11°51'12"	-00°00'25"	81.119
12/01/2031 00:00:00	☉	21°33'49" ♄	-21°42'25"	-00°00'00"	01°01'07"	0.983

Ephemerides year 2031

12/01/2031 00:00:00	♃	27°36'00"	♄	07°31'49"	-05°04'39"	12°25'02"	0.003
12/01/2031 00:00:00	♆	29°46'12"	♂	-22°40'37"	00°45'24"	01°16'39"	1.145
12/01/2031 00:00:00	♀	11°49'04"	♁	-18°44'39"	-01°33'56"	01°14'58"	1.565
12/01/2031 00:00:00	♂	28°04'11"	♁	-09°06'53"	01°47'16"	00°29'37"	1.453
12/01/2031 00:00:00	♃	17°40'57"	♂	-22°18'56"	00°33'00"	00°12'18"	6.119
12/01/2031 00:00:00	♃	02°24'35"	♃	18°42'59"	-01°57'35"	-00°02'19"	8.388
12/01/2031 00:00:00	♃	19°39'34"	♃	23°07'48"	00°05'57"	-00°02'03"	18.308
12/01/2031 00:00:00	♃	10°42'11"	♃	02°49'44"	-01°31'43"	00°00'43"	30.021
12/01/2031 00:00:00	♃	11°02'16"	♁	-23°19'07"	-06°06'16"	00°01'45"	37.631
12/01/2031 00:00:00	♄	06°18'32"	♂	-21°21'25"	00°00'00"	-00°08'22"	0.002
12/01/2031 00:00:00	♃	12°07'04"	♃	13°39'16"	-01°54'17"	-00°00'35"	16.502
12/01/2031 00:00:00	♃	25°52'16"	♃	21°31'28"	-01°50'45"	00°06'39"	0.003
12/01/2031 00:00:00	♄	06°18'32"	♂	-21°21'25"	00°00'00"	-00°08'22"	0.002
12/01/2031 00:00:00	♃	10°20'52"	♃	20°09'31"	-02°52'49"	04°33'03"	0.003
12/01/2031 00:00:00	X	25°46'53"	♃	01°02'48"	-09°33'17"	-00°00'01"	94.987
12/01/2031 00:00:00	Y	04°09'17"	♃	09°18'50"	-11°51'06"	-00°00'24"	81.131
13/01/2031 00:00:00	♃	22°34'56"	♃	-21°32'36"	-00°00'00"	01°01'06"	0.983
13/01/2031 00:00:00	♃	10°06'38"	♃	03°01'38"	-05°07'25"	12°36'29"	0.003
13/01/2031 00:00:00	♆	01°03'35"	♃	-22°49'01"	00°36'45"	01°18'05"	1.161

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13/01/2031 00:00:00	♀	13°04'02" ♁	-18°23'55"	-01°34'25"	01°14'57"	1.561
13/01/2031 00:00:00	♂	28°33'45" ♁	-09°17'10"	01°47'29"	00°29'28"	1.443
13/01/2031 00:00:00	♃	17°53'14" ♂	-22°20'05"	00°32'58"	00°12'14"	6.109
13/01/2031 00:00:00	♅	02°22'18" ♃	18°42'47"	-01°57'20"	-00°02'13"	8.401
13/01/2031 00:00:00	♁	19°37'32" ♃	23°07'39"	00°05'57"	-00°02'01"	18.317
13/01/2031 00:00:00	♆	10°42'56" ♂	02°50'04"	-01°31'40"	00°00'45"	30.038
13/01/2031 00:00:00	♁	11°04'02" ♁	-23°18'37"	-06°06'17"	00°01'46"	37.638
13/01/2031 00:00:00	♄	06°10'44" ♂	-21°20'04"	00°00'00"	-00°07'05"	0.002
13/01/2031 00:00:00	♅	12°06'31" ♂	13°39'08"	-01°54'16"	-00°00'31"	16.517
13/01/2031 00:00:00	♁	25°58'56" ♃	21°30'50"	-01°51'35"	00°06'39"	0.003
13/01/2031 00:00:00	T♄	06°10'44" ♂	-21°20'04"	00°00'00"	-00°07'05"	0.002
13/01/2031 00:00:00	T♁	14°46'10" ♁	19°25'34"	-03°12'31"	04°12'58"	0.003
13/01/2031 00:00:00	X	25°46'52" ♂	01°02'56"	-09°33'09"	-00°00'00"	95.004
13/01/2031 00:00:00	Y	04°08'53" ♃	09°18'53"	-11°50'59"	-00°00'23"	81.143
14/01/2031 00:00:00	♃	23°36'03" ♂	-21°22'21"	-00°00'00"	01°01'06"	0.984
14/01/2031 00:00:00	♄	22°49'34" ♃	-01°40'27"	-04°55'14"	12°49'42"	0.003
14/01/2031 00:00:00	♆	02°22'21" ♂	-22°56'31"	00°28'14"	01°19'24"	1.176
14/01/2031 00:00:00	♀	14°18'59" ♁	-18°02'39"	-01°34'50"	01°14'56"	1.558
14/01/2031 00:00:00	♂	29°03'08" ♁	-09°27'21"	01°47'41"	00°29'18"	1.433

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14/01/2031 00:00:00	♃	18°05'27" ♄	-22°21'13"	00°32'56"	00°12'11"	6.100
14/01/2031 00:00:00	♅	02°20'08" ♁	18°42'37"	-01°57'05"	-00°02'06"	8.414
14/01/2031 00:00:00	♅	19°35'31" ♁	23°07'30"	00°05'58"	-00°01'59"	18.326
14/01/2031 00:00:00	♆	10°43'43" ♃	02°50'25"	-01°31'38"	00°00'47"	30.055
14/01/2031 00:00:00	♆	11°05'48" ♃	-23°18'08"	-06°06'19"	00°01'46"	37.644
14/01/2031 00:00:00	♄	06°04'34" ♄	-21°19'00"	00°00'00"	-00°05'10"	0.002
14/01/2031 00:00:00	♅	12°06'01" ♃	13°39'01"	-01°54'14"	-00°00'27"	16.532
14/01/2031 00:00:00	♁	26°05'35" ♁	21°30'13"	-01°52'24"	00°06'39"	0.003
14/01/2031 00:00:00	♄♁	06°04'34" ♄	-21°19'00"	00°00'00"	-00°05'10"	0.002
14/01/2031 00:00:00	♄♁	18°37'55" ♃	18°41'28"	-03°28'46"	03°26'16"	0.003
14/01/2031 00:00:00	X	25°46'52" ♃	01°03'04"	-09°33'01"	00°00'00"	95.021
14/01/2031 00:00:00	Y	04°08'29" ♁	09°18'56"	-11°50'52"	-00°00'23"	81.155
15/01/2031 00:00:00	♁	24°37'09" ♃	-21°11'42"	-00°00'00"	01°01'06"	0.984
15/01/2031 00:00:00	♁	05°46'46" ♃	-06°23'35"	-04°27'52"	13°05'03"	0.003
15/01/2031 00:00:00	♁	03°42'21" ♃	-23°03'05"	00°19'50"	01°20'36"	1.191
15/01/2031 00:00:00	♁	15°33'55" ♃	-17°40'52"	-01°35'11"	01°14'55"	1.555
15/01/2031 00:00:00	♁	29°32'22" ♃	-09°37'27"	01°47'53"	00°29'09"	1.423
15/01/2031 00:00:00	♃	18°17'36" ♄	-22°22'19"	00°32'55"	00°12'07"	6.090
15/01/2031 00:00:00	♅	02°18'04" ♁	18°42'27"	-01°56'49"	-00°02'00"	8.427

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15/01/2031 00:00:00	♃	19°33'33" ♀r	23°07'22"	00°05'58"	-00°01'57"	18.336
15/01/2031 00:00:00	♃	10°44'31" ♀r	02°50'46"	-01°31'35"	00°00'49"	30.072
15/01/2031 00:00:00	♃	11°07'36" ♀r	-23°17'39"	-06°06'20"	00°01'47"	37.649
15/01/2031 00:00:00	♃	06°00'29" ♀r	-21°18'18"	00°00'00"	-00°02'57"	0.002
15/01/2031 00:00:00	♃	12°05'35" ♀r	13°38'54"	-01°54'12"	-00°00'24"	16.547
15/01/2031 00:00:00	♃	26°12'14" ♀r	21°29'35"	-01°53'14"	00°06'39"	0.003
15/01/2031 00:00:00	♃	06°00'29" ♀r	-21°18'18"	00°00'00"	-00°02'57"	0.002
15/01/2031 00:00:00	♃	21°30'59" ♀r	18°05'14"	-03°40'17"	02°16'30"	0.003
15/01/2031 00:00:00	X	25°46'53" ♀r	01°03'12"	-09°32'53"	00°00'00"	95.038
15/01/2031 00:00:00	Y	04°08'06" ♀r	09°18'59"	-11°50'44"	-00°00'22"	81.168
16/01/2031 00:00:00	♃	25°38'16" ♀r	-21°00'38"	-00°00'00"	01°01'06"	0.984
16/01/2031 00:00:00	♃	19°00'27" ♀r	-10°55'19"	-03°45'48"	13°22'41"	0.003
16/01/2031 00:00:00	♃	05°03'32" ♀r	-23°08'39"	00°11'35"	01°21'42"	1.205
16/01/2031 00:00:00	♃	16°48'50" ♀r	-17°18'36"	-01°35'28"	01°14'54"	1.551
16/01/2031 00:00:00	♃	00°01'27" ♀r	-09°47'26"	01°48'05"	00°28'59"	1.412
16/01/2031 00:00:00	♃	18°29'41" ♀r	-22°23'23"	00°32'53"	00°12'03"	6.080
16/01/2031 00:00:00	♃	02°16'07" ♀r	18°42'20"	-01°56'34"	-00°01'54"	8.440
16/01/2031 00:00:00	♃	19°31'36" ♀r	23°07'13"	00°05'58"	-00°01'55"	18.346
16/01/2031 00:00:00	♃	10°45'22" ♀r	02°51'09"	-01°31'32"	00°00'51"	30.089

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16/01/2031 00:00:00	♁	11°09'23" ♊	-23°17'10"	-06°06'21"	00°01'47"	37.655
16/01/2031 00:00:00	♁	05°58'36" ♏	-21°17'58"	00°00'00"	-00°00'53"	0.002
16/01/2031 00:00:00	♁	12°05'13" ♏	13°38'49"	-01°54'10"	-00°00'20"	16.563
16/01/2031 00:00:00	♁	26°18'53" ♁	21°28'56"	-01°54'03"	00°06'39"	0.003
16/01/2031 00:00:00	♁	05°58'36" ♏	-21°17'58"	00°00'00"	-00°00'53"	0.002
16/01/2031 00:00:00	♁	23°05'46" ♁	17°44'14"	-03°46'21"	00°51'27"	0.003
16/01/2031 00:00:00	X	25°46'54" ♏	01°03'20"	-09°32'44"	00°00'01"	95.055
16/01/2031 00:00:00	Y	04°07'44" ♁	09°19'02"	-11°50'37"	-00°00'22"	81.180
17/01/2031 00:00:00	♁	26°39'22" ♏	-20°49'10"	-00°00'00"	01°01'06"	0.984
17/01/2031 00:00:00	♁	02°32'51" ♁	-15°01'05"	-02°50'16"	13°42'24"	0.003
17/01/2031 00:00:00	♁	06°25'46" ♏	-23°13'10"	00°03'30"	01°22'44"	1.219
17/01/2031 00:00:00	♁	18°03'44" ♊	-16°55'51"	-01°35'41"	01°14'53"	1.547
17/01/2031 00:00:00	♁	00°30'21" ♁	-09°57'19"	01°48'17"	00°28'49"	1.402
17/01/2031 00:00:00	♁	18°41'43" ♏	-22°24'26"	00°32'51"	00°11'59"	6.070
17/01/2031 00:00:00	♁	02°14'16" ♁	18°42'13"	-01°56'18"	-00°01'48"	8.453
17/01/2031 00:00:00	♁	19°29'42" ♁	23°07'04"	00°05'59"	-00°01'53"	18.356
17/01/2031 00:00:00	♁	10°46'15" ♏	02°51'32"	-01°31'29"	00°00'53"	30.106
17/01/2031 00:00:00	♁	11°11'11" ♊	-23°16'41"	-06°06'23"	00°01'48"	37.660
17/01/2031 00:00:00	♁	05°58'30" ♏	-21°17'57"	00°00'00"	00°00'34"	0.002

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17/01/2031 00:00:00	♄	12°04'54" ♎	13°38'45"	-01°54'09"	-00°00'16"	16.578
17/01/2031 00:00:00	♁	26°25'33" ♉	21°28'18"	-01°54'52"	00°06'39"	0.003
17/01/2031 00:00:00	♅	05°58'30" ♊	-21°17'57"	00°00'00"	00°00'34"	0.002
17/01/2031 00:00:00	♁	23°13'19" ♉	17°42'32"	-03°46'49"	-00°35'05"	0.003
17/01/2031 00:00:00	X	25°46'56" ♎	01°03'28"	-09°32'36"	00°00'02"	95.072
17/01/2031 00:00:00	Y	04°07'22" ♉	09°19'05"	-11°50'30"	-00°00'21"	81.193
18/01/2031 00:00:00	♁	27°40'29" ♊	-20°37'18"	-00°00'00"	01°01'06"	0.984
18/01/2031 00:00:00	♃	16°25'44" ♈	-18°23'54"	-01°43'29"	14°03'29"	0.002
18/01/2031 00:00:00	♁	07°49'00" ♊	-23°16'37"	-00°04'25"	01°23'42"	1.232
18/01/2031 00:00:00	♁	19°18'37" ♈	-16°32'38"	-01°35'49"	01°14'52"	1.544
18/01/2031 00:00:00	♂	00°59'05" ♈	-10°07'06"	01°48'28"	00°28'38"	1.392
18/01/2031 00:00:00	♁	18°53'41" ♊	-22°25'28"	00°32'49"	00°11'55"	6.060
18/01/2031 00:00:00	♃	02°12'31" ♉	18°42'08"	-01°56'03"	-00°01'41"	8.467
18/01/2031 00:00:00	♃	19°27'50" ♉	23°06'56"	00°05'59"	-00°01'50"	18.366
18/01/2031 00:00:00	♁	10°47'10" ♎	02°51'56"	-01°31'27"	00°00'55"	30.122
18/01/2031 00:00:00	♁	11°13'00" ♈	-23°16'12"	-06°06'25"	00°01'48"	37.665
18/01/2031 00:00:00	♁	05°59'26" ♊	-21°18'07"	00°00'00"	00°01'06"	0.002
18/01/2031 00:00:00	♄	12°04'40" ♎	13°38'42"	-01°54'07"	-00°00'12"	16.594
18/01/2031 00:00:00	♁	26°32'12" ♉	21°27'39"	-01°55'42"	00°06'39"	0.003

Ephemerides year 2031

18/01/2031 00:00:00	T♄	05°59'26" ♈	-21°18'07"	00°00'00"	00°01'06"	0.002
18/01/2031 00:00:00	T♄	22°01'32" ♉	17°58'35"	-03°42'13"	-01°43'53"	0.003
18/01/2031 00:00:00	X	25°46'59" ♈	01°03'37"	-09°32'28"	00°00'03"	95.089
18/01/2031 00:00:00	Y	04°07'01" ♉	09°19'09"	-11°50'22"	-00°00'20"	81.206
19/01/2031 00:00:00	☉	28°41'35" ♌	-20°25'02"	-00°00'00"	01°01'06"	0.984
19/01/2031 00:00:00	☾	00°39'48" ♈	-20°45'13"	-00°28'45"	14°24'28"	0.002
19/01/2031 00:00:00	☿	09°13'10" ♌	-23°18'57"	-00°12'10"	01°24'36"	1.244
19/01/2031 00:00:00	♀	20°33'29" ♍	-16°08'58"	-01°35'53"	01°14'51"	1.540
19/01/2031 00:00:00	♂	01°27'38" ♎	-10°16'47"	01°48'40"	00°28'27"	1.382
19/01/2031 00:00:00	♃	19°05'35" ♈	-22°26'28"	00°32'47"	00°11'51"	6.049
19/01/2031 00:00:00	♅	02°10'52" ♉	18°42'04"	-01°55'47"	-00°01'35"	8.481
19/01/2031 00:00:00	♁	19°26'01" ♉	23°06'47"	00°06'00"	-00°01'48"	18.376
19/01/2031 00:00:00	♆	10°48'06" ♈	02°52'21"	-01°31'24"	00°00'57"	30.139
19/01/2031 00:00:00	♁	11°14'49" ♍	-23°15'43"	-06°06'27"	00°01'49"	37.670
19/01/2031 00:00:00	♁	06°00'20" ♈	-21°18'16"	00°00'00"	00°00'30"	0.002
19/01/2031 00:00:00	♃	12°04'28" ♉	13°38'41"	-01°54'05"	-00°00'09"	16.609
19/01/2031 00:00:00	♁	26°38'51" ♉	21°27'00"	-01°56'31"	00°06'39"	0.003
19/01/2031 00:00:00	T♄	06°00'20" ♈	-21°18'16"	00°00'00"	00°00'30"	0.002
19/01/2031 00:00:00	T♄	19°56'59" ♉	18°25'20"	-03°34'01"	-02°18'54"	0.003

Ephemerides year 2031

19/01/2031 00:00:00	X	25°47'02" ♃	01°03'46"	-09°32'19"	00°00'03"	95.106
19/01/2031 00:00:00	Y	04°06'40" ♃r	09°19'13"	-11°50'15"	-00°00'20"	81.219
20/01/2031 00:00:00	☉	29°42'41" ♌	-20°12'24"	00°00'00"	01°01'05"	0.984
20/01/2031 00:00:00	☾	15°13'56" ♌	-21°47'49"	00°49'26"	14°43'11"	0.002
20/01/2031 00:00:00	♀	10°38'12" ♌	-23°20'09"	-00°19'44"	01°25'27"	1.256
20/01/2031 00:00:00	♀	21°48'20" ♍	-15°44'51"	-01°35'53"	01°14'50"	1.537
20/01/2031 00:00:00	♂	01°56'00" ♎	-10°26'22"	01°48'51"	00°28'16"	1.372
20/01/2031 00:00:00	♃	19°17'25" ♌	-22°27'27"	00°32'46"	00°11'47"	6.039
20/01/2031 00:00:00	♃	02°09'21" ♃r	18°42'01"	-01°55'31"	-00°01'28"	8.495
20/01/2031 00:00:00	♃	19°24'13" ♃r	23°06'39"	00°06'00"	-00°01'46"	18.387
20/01/2031 00:00:00	♃	10°49'05" ♃	02°52'46"	-01°31'21"	00°00'59"	30.155
20/01/2031 00:00:00	♃	11°16'38" ♍	-23°15'14"	-06°06'29"	00°01'49"	37.674
20/01/2031 00:00:00	♁	06°00'06" ♌r	-21°18'14"	00°00'00"	-00°01'08"	0.002
20/01/2031 00:00:00	♃	12°04'21" ♃r	13°38'40"	-01°54'03"	-00°00'05"	16.625
20/01/2031 00:00:00	♃	26°45'31" ♃	21°26'21"	-01°57'20"	00°06'39"	0.003
20/01/2031 00:00:00	T♁	06°00'06" ♌r	-21°18'14"	00°00'00"	-00°01'08"	0.002
20/01/2031 00:00:00	T♃	17°35'25" ♃r	18°53'59"	-03°24'21"	-02°19'27"	0.003
20/01/2031 00:00:00	X	25°47'06" ♃	01°03'55"	-09°32'11"	00°00'04"	95.123
20/01/2031 00:00:00	Y	04°06'21" ♃r	09°19'17"	-11°50'07"	-00°00'19"	81.233

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21/01/2031 00:00:00	☉	00°43'47" ♊	-19°59'22"	00°00'00"	01°01'05"	0.984
21/01/2031 00:00:00	☾	00°04'34" ♋	-21°20'26"	02°05'35"	14°57'01"	0.002
21/01/2031 00:00:00	♀	12°04'05" ♋	-23°20'10"	-00°27'06"	01°26'16"	1.268
21/01/2031 00:00:00	♋	23°03'10" ♊	-15°20'18"	-01°35'49"	01°14'49"	1.533
21/01/2031 00:00:00	♌	02°24'12" ♎	-10°35'51"	01°49'02"	00°28'05"	1.361
21/01/2031 00:00:00	♍	19°29'11" ♎	-22°28'25"	00°32'44"	00°11'43"	6.028
21/01/2031 00:00:00	♎	02°07'55" ♏	18°42'00"	-01°55'16"	-00°01'21"	8.509
21/01/2031 00:00:00	♏	19°22'28" ♏	23°06'31"	00°06'00"	-00°01'43"	18.398
21/01/2031 00:00:00	♐	10°50'06" ♏	02°53'12"	-01°31'18"	00°01'01"	30.172
21/01/2031 00:00:00	♑	11°18'28" ♊	-23°14'45"	-06°06'31"	00°01'49"	37.678
21/01/2031 00:00:00	♒	05°57'48" ♎	-21°17'50"	00°00'00"	-00°03'31"	0.002
21/01/2031 00:00:00	♓	12°04'17" ♏	13°38'41"	-01°54'01"	-00°00'01"	16.641
21/01/2031 00:00:00	♈	26°52'10" ♏	21°25'41"	-01°58'09"	00°06'39"	0.003
21/01/2031 00:00:00	♁	05°57'48" ♎	-21°17'50"	00°00'00"	-00°03'31"	0.002
21/01/2031 00:00:00	♂	15°24'05" ♏	19°18'47"	-03°15'09"	-02°02'06"	0.003
21/01/2031 00:00:00	X	25°47'11" ♏	01°04'04"	-09°32'03"	00°00'05"	95.139
21/01/2031 00:00:00	Y	04°06'02" ♏	09°19'21"	-11°50'00"	-00°00'18"	81.246
22/01/2031 00:00:00	☉	01°44'52" ♊	-19°45'58"	00°00'00"	01°01'04"	0.984
22/01/2031 00:00:00	☾	15°05'28" ♋	-19°22'14"	03°13'46"	15°03'21"	0.002

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22/01/2031 00:00:00	♀	13°30'44" ♍	-23°19'00"	-00°34'16"	01°27'02"	1.279
22/01/2031 00:00:00	♀	24°17'59" ♍	-14°55'21"	-01°35'40"	01°14'48"	1.529
22/01/2031 00:00:00	♂	02°52'11" ♎	-10°45'13"	01°49'12"	00°27'53"	1.351
22/01/2031 00:00:00	♃	19°40'52" ♎	-22°29'21"	00°32'43"	00°11'39"	6.017
22/01/2031 00:00:00	♃	02°06'37" ♎	18°42'00"	-01°55'00"	-00°01'15"	8.523
22/01/2031 00:00:00	♃	19°20'46" ♎	23°06'23"	00°06'01"	-00°01'41"	18.410
22/01/2031 00:00:00	♃	10°51'09" ♎	02°53'39"	-01°31'16"	00°01'03"	30.188
22/01/2031 00:00:00	♃	11°20'18" ♎	-23°14'16"	-06°06'33"	00°01'50"	37.682
22/01/2031 00:00:00	♃	05°52'58" ♎	-21°16'59"	00°00'00"	-00°06'07"	0.002
22/01/2031 00:00:00	♃	12°04'18" ♎	13°38'43"	-01°53'59"	00°00'01"	16.657
22/01/2031 00:00:00	♃	26°58'50" ♎	21°25'01"	-01°58'58"	00°06'39"	0.003
22/01/2031 00:00:00	T♃	05°52'58" ♎	-21°16'59"	00°00'00"	-00°06'07"	0.002
22/01/2031 00:00:00	T♃	13°29'52" ♎	19°38'48"	-03°07'06"	-01°48'27"	0.003
22/01/2031 00:00:00	X	25°47'17" ♎	01°04'14"	-09°31'55"	00°00'05"	95.156
22/01/2031 00:00:00	Y	04°05'43" ♎	09°19'26"	-11°49'52"	-00°00'18"	81.260
23/01/2031 00:00:00	♃	02°45'57" ♎	-19°32'12"	00°00'00"	01°01'04"	0.984
23/01/2031 00:00:00	♃	00°08'10" ♎	-16°04'04"	04°08'29"	15°00'24"	0.002
23/01/2031 00:00:00	♀	14°58'10" ♎	-23°16'37"	-00°41'14"	01°27'47"	1.289
23/01/2031 00:00:00	♀	25°32'47" ♎	-14°29'59"	-01°35'27"	01°14'46"	1.525

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23/01/2031 00:00:00	♂	03°19'59" ♎	-10°54'29"	01°49'23"	00°27'42"	1.341
23/01/2031 00:00:00	♃	19°52'29" ♏	-22°30'16"	00°32'41"	00°11'34"	6.006
23/01/2031 00:00:00	♅	02°05'25" ♉	18°42'02"	-01°54'44"	-00°01'08"	8.538
23/01/2031 00:00:00	♁	19°19'05" ♉	23°06'16"	00°06'01"	-00°01'39"	18.421
23/01/2031 00:00:00	♆	10°52'13" ♏	02°54'07"	-01°31'13"	00°01'05"	30.204
23/01/2031 00:00:00	♁	11°22'08" ♋	-23°13'47"	-06°06'36"	00°01'50"	37.686
23/01/2031 00:00:00	♄	05°45'40" ♏	-21°15'43"	00°00'00"	-00°08'21"	0.002
23/01/2031 00:00:00	♅	12°04'21" ♏	13°38'46"	-01°53'57"	00°00'05"	16.673
23/01/2031 00:00:00	♁	27°05'29" ♉	21°24'21"	-01°59'47"	00°06'39"	0.003
23/01/2031 00:00:00	T♄	05°45'40" ♏	-21°15'43"	00°00'00"	-00°08'21"	0.002
23/01/2031 00:00:00	T♁	11°41'08" ♉	19°56'22"	-02°59'31"	-01°52'29"	0.003
23/01/2031 00:00:00	X	25°47'23" ♏	01°04'24"	-09°31'46"	00°00'06"	95.173
23/01/2031 00:00:00	Y	04°05'26" ♉	09°19'31"	-11°49'44"	-00°00'17"	81.274
24/01/2031 00:00:00	♁	03°47'00" ♋	-19°18'05"	00°00'00"	01°01'03"	0.984
24/01/2031 00:00:00	♃	15°03'04" ♋	-11°45'39"	04°45'40"	14°47'51"	0.002
24/01/2031 00:00:00	♆	16°26'19" ♏	-23°12'59"	-00°47'59"	01°28'31"	1.300
24/01/2031 00:00:00	♀	26°47'33" ♋	-14°04'14"	-01°35'09"	01°14'45"	1.522
24/01/2031 00:00:00	♂	03°47'35" ♎	-11°03'38"	01°49'33"	00°27'29"	1.331
24/01/2031 00:00:00	♃	20°04'02" ♏	-22°31'09"	00°32'40"	00°11'30"	5.995

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24/01/2031 00:00:00	♃	02°04'20" ♀	18°42'05"	-01°54'28"	-00°01'02"	8.552
24/01/2031 00:00:00	♃	19°17'28" ♀	23°06'08"	00°06'01"	-00°01'36"	18.433
24/01/2031 00:00:00	♃	10°53'19" ♀	02°54'35"	-01°31'11"	00°01'07"	30.220
24/01/2031 00:00:00	♃	11°23'59" ♀	-23°13'18"	-06°06'39"	00°01'50"	37.689
24/01/2031 00:00:00	♃	05°36'32" ♀	-21°14'07"	00°00'00"	-00°09'42"	0.002
24/01/2031 00:00:00	♃	12°04'29" ♀	13°38'50"	-01°53'55"	00°00'09"	16.689
24/01/2031 00:00:00	♃	27°12'09" ♀	21°23'41"	-02°00'36"	00°06'39"	0.003
24/01/2031 00:00:00	♃	05°36'32" ♀	-21°14'07"	00°00'00"	-00°09'42"	0.002
24/01/2031 00:00:00	♃	09°38'20" ♀	20°14'28"	-02°51'00"	-02°15'46"	0.003
24/01/2031 00:00:00	X	25°47'29" ♀	01°04'34"	-09°31'38"	00°00'07"	95.190
24/01/2031 00:00:00	Y	04°05'08" ♀	09°19'35"	-11°49'36"	-00°00'16"	81.288
25/01/2031 00:00:00	♃	04°48'03" ♀	-19°03'36"	00°00'00"	01°01'02"	0.984
25/01/2031 00:00:00	♃	29°41'07" ♀	-06°50'28"	05°03'16"	14°27'02"	0.002
25/01/2031 00:00:00	♃	17°55'12" ♀	-23°08'06"	-00°54'30"	01°29'13"	1.309
25/01/2031 00:00:00	♃	28°02'17" ♀	-13°38'06"	-01°34'47"	01°14'43"	1.518
25/01/2031 00:00:00	♃	04°14'59" ♀	-11°12'41"	01°49'43"	00°27'17"	1.320
25/01/2031 00:00:00	♃	20°15'29" ♀	-22°32'01"	00°32'38"	00°11'25"	5.983
25/01/2031 00:00:00	♃	02°03'21" ♀	18°42'09"	-01°54'11"	-00°00'55"	8.567
25/01/2031 00:00:00	♃	19°15'52" ♀	23°06'01"	00°06'02"	-00°01'34"	18.445

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25/01/2031 00:00:00	♁	10°54'27"	♄	02°55'04"	-01°31'08"	00°01'08"	30.236
25/01/2031 00:00:00	♁	11°25'49"	♁	-23°12'50"	-06°06'42"	00°01'50"	37.692
25/01/2031 00:00:00	♁	05°26'38"	♄r	-21°12'22"	00°00'00"	-00°09'53"	0.002
25/01/2031 00:00:00	♁	12°04'40"	♄	13°38'56"	-01°53'53"	00°00'13"	16.704
25/01/2031 00:00:00	♁	27°18'48"	♁	21°23'00"	-02°01'25"	00°06'39"	0.003
25/01/2031 00:00:00	T♁	05°26'38"	♄r	-21°12'22"	00°00'00"	-00°09'53"	0.002
25/01/2031 00:00:00	T♁	07°06'30"	♄r	20°34'30"	-02°40'18"	-02°48'01"	0.003
25/01/2031 00:00:00	X	25°47'37"	♄	01°04'44"	-09°31'30"	00°00'07"	95.207
25/01/2031 00:00:00	Y	04°04'52"	♁r	09°19'41"	-11°49'28"	-00°00'16"	81.302
26/01/2031 00:00:00	♁	05°49'05"	♁	-18°48'46"	00°00'00"	01°01'01"	0.985
26/01/2031 00:00:00	♁	13°55'16"	♁	-01°41'02"	05°01'23"	14°00'35"	0.002
26/01/2031 00:00:00	♁	19°24'46"	♄	-23°01'57"	-01°00'48"	01°29'54"	1.318
26/01/2031 00:00:00	♁	29°17'01"	♁	-13°11'37"	-01°34'21"	01°14'42"	1.514
26/01/2031 00:00:00	♁	04°42'10"	♁	-11°21'37"	01°49'52"	00°27'04"	1.310
26/01/2031 00:00:00	♁	20°26'52"	♄	-22°32'52"	00°32'37"	00°11'20"	5.972
26/01/2031 00:00:00	♁	02°02'29"	♁r	18°42'15"	-01°53'55"	-00°00'48"	8.582
26/01/2031 00:00:00	♁	19°14'19"	♁r	23°05'54"	00°06'02"	-00°01'31"	18.457
26/01/2031 00:00:00	♁	10°55'37"	♄	02°55'34"	-01°31'06"	00°01'10"	30.252
26/01/2031 00:00:00	♁	11°27'40"	♁	-23°12'21"	-06°06'45"	00°01'50"	37.695

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26/01/2031 00:00:00	♁	05°17'09" ♀r	-21°10'41"	00°00'00"	-00°08'53"	0.002
26/01/2031 00:00:00	♋	12°04'55" ♂	13°39'02"	-01°53'51"	00°00'16"	16.720
26/01/2031 00:00:00	♌	27°25'28" ♀	21°22'19"	-02°02'13"	00°06'39"	0.003
26/01/2031 00:00:00	♁	05°17'09" ♀r	-21°10'41"	00°00'00"	-00°08'53"	0.002
26/01/2031 00:00:00	♌	04°05'11" ♀r	20°55'10"	-02°27'09"	-03°11'37"	0.003
26/01/2031 00:00:00	X	25°47'45" ♀	01°04'55"	-09°31'22"	00°00'08"	95.224
26/01/2031 00:00:00	Y	04°04'36" ♀r	09°19'46"	-11°49'20"	-00°00'15"	81.316
27/01/2031 00:00:00	♁	06°50'06" ♀	-18°33'35"	00°00'00"	01°01'00"	0.985
27/01/2031 00:00:00	♂	27°41'30" ♀	03°23'32"	04°41'50"	13°31'43"	0.003
27/01/2031 00:00:00	♀	20°55'02" ♀	-22°54'30"	-01°06'51"	01°30'35"	1.327
27/01/2031 00:00:00	♀	00°31'42" ♀	-12°44'46"	-01°33'51"	01°14'40"	1.510
27/01/2031 00:00:00	♂	05°09'08" ♀	-11°30'26"	01°50'02"	00°26'51"	1.300
27/01/2031 00:00:00	♂	20°38'10" ♀	-22°33'41"	00°32'35"	00°11'15"	5.960
27/01/2031 00:00:00	♂	02°01'44" ♀r	18°42'22"	-01°53'39"	-00°00'41"	8.597
27/01/2031 00:00:00	♂	19°12'49" ♀r	23°05'47"	00°06'02"	-00°01'28"	18.469
27/01/2031 00:00:00	♀	10°56'49" ♀	02°56'04"	-01°31'03"	00°01'12"	30.268
27/01/2031 00:00:00	♂	11°29'31" ♀	-23°11'53"	-06°06'48"	00°01'50"	37.697
27/01/2031 00:00:00	♁	05°09'10" ♀r	-21°09'15"	00°00'00"	-00°06'57"	0.002
27/01/2031 00:00:00	♋	12°05'14" ♂	13°39'10"	-01°53'49"	00°00'20"	16.737

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27/01/2031 00:00:00	☾	27°32'07" ♀	21°21'38"	-02°03'02"	00°06'39"	0.003
27/01/2031 00:00:00	♄	05°09'10" ♂	-21°09'15"	00°00'00"	-00°06'57"	0.002
27/01/2031 00:00:00	♃	00°51'31" ♀	21°13'17"	-02°12'35"	-03°10'54"	0.003
27/01/2031 00:00:00	X	25°47'53" ♂	01°05'05"	-09°31'14"	00°00'08"	95.240
27/01/2031 00:00:00	Y	04°04'21" ♀	09°19'51"	-11°49'12"	-00°00'14"	81.330
28/01/2031 00:00:00	☉	07°51'06" ♂	-18°18'05"	00°00'00"	01°00'59"	0.985
28/01/2031 00:00:00	☾	10°58'55" ♂	08°08'15"	04°07'27"	13°03'25"	0.003
28/01/2031 00:00:00	♀	22°25'58" ♀	-22°45'45"	-01°12'40"	01°31'16"	1.335
28/01/2031 00:00:00	♀	01°46'22" ♀	-12°17'36"	-01°33'16"	01°14'38"	1.506
28/01/2031 00:00:00	♂	05°35'54" ♂	-11°39'09"	01°50'10"	00°26'38"	1.290
28/01/2031 00:00:00	♃	20°49'23" ♂	-22°34'29"	00°32'34"	00°11'10"	5.948
28/01/2031 00:00:00	♃	02°01'05" ♀	18°42'30"	-01°53'23"	-00°00'34"	8.612
28/01/2031 00:00:00	♃	19°11'22" ♀	23°05'40"	00°06'03"	-00°01'26"	18.482
28/01/2031 00:00:00	♃	10°58'02" ♂	02°56'35"	-01°31'01"	00°01'14"	30.284
28/01/2031 00:00:00	♃	11°31'22" ♂	-23°11'25"	-06°06'52"	00°01'51"	37.699
28/01/2031 00:00:00	♄	05°03'23" ♂	-21°08'13"	00°00'00"	-00°04'33"	0.002
28/01/2031 00:00:00	♃	12°05'36" ♂	13°39'18"	-01°53'47"	00°00'24"	16.753
28/01/2031 00:00:00	☾	27°38'46" ♀	21°20'57"	-02°03'51"	00°06'39"	0.003
28/01/2031 00:00:00	♄	05°03'23" ♂	-21°08'13"	00°00'00"	-00°04'33"	0.002

Ephemerides year 2031

28/01/2031 00:00:00	T♄	27°52'54" ♀r	21°26'20"	-01°58'41"	-02°42'06"	0.003
28/01/2031 00:00:00	X	25°48'03" ♀	01°05'16"	-09°31'06"	00°00'09"	95.257
28/01/2031 00:00:00	Y	04°04'06" ♀r	09°19'57"	-11°49'03"	-00°00'14"	81.345
29/01/2031 00:00:00	☉	08°52'05" ♁	-18°02'15"	00°00'00"	01°00'58"	0.985
29/01/2031 00:00:00	☾	23°49'20" ♀	12°21'45"	03°21'29"	12°38'02"	0.003
29/01/2031 00:00:00	♁	23°57'35" ♂	-22°35'40"	-01°18'13"	01°31'57"	1.343
29/01/2031 00:00:00	♀	03°01'00" ♀	-11°50'06"	-01°32'37"	01°14'37"	1.502
29/01/2031 00:00:00	♂	06°02'26" ♁	-11°47'45"	01°50'19"	00°26'25"	1.279
29/01/2031 00:00:00	♂	21°00'31" ♂	-22°35'16"	00°32'33"	00°11'05"	5.936
29/01/2031 00:00:00	♃	02°00'34" ♀r	18°42'40"	-01°53'06"	-00°00'28"	8.627
29/01/2031 00:00:00	♃	19°09'57" ♀r	23°05'34"	00°06'03"	-00°01'23"	18.495
29/01/2031 00:00:00	♃	10°59'18" ♀	02°57'07"	-01°30'58"	00°01'16"	30.299
29/01/2031 00:00:00	♃	11°33'13" ♁	-23°10'56"	-06°06'55"	00°01'51"	37.701
29/01/2031 00:00:00	♃	05°00'01" ♂r	-21°07'36"	00°00'00"	-00°02'12"	0.002
29/01/2031 00:00:00	♃	12°06'02" ♂	13°39'28"	-01°53'45"	00°00'27"	16.769
29/01/2031 00:00:00	♃	27°45'26" ♀	21°20'15"	-02°04'39"	00°06'39"	0.003
29/01/2031 00:00:00	T♃	05°00'01" ♂r	-21°07'36"	00°00'00"	-00°02'12"	0.002
29/01/2031 00:00:00	T♄	25°33'30" ♀r	21°34'04"	-01°47'33"	-01°54'51"	0.003
29/01/2031 00:00:00	X	25°48'13" ♀	01°05'27"	-09°30'57"	00°00'10"	95.274

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29/01/2031 00:00:00	Y	04°03'53" ♀	09°20'03"	-11°48'55"	-00°00'13"	81.360
30/01/2031 00:00:00	☉	09°53'02" ♋	-17°46'05"	00°00'00"	01°00'56"	0.985
30/01/2031 00:00:00	☾	06°16'31" ♋	15°55'22"	02°27'08"	12°17'09"	0.003
30/01/2031 00:00:00	♀	25°29'53" ♎	-22°24'16"	-01°23'31"	01°32'37"	1.350
30/01/2031 00:00:00	♀	04°15'36" ♋	-11°22'18"	-01°31'53"	01°14'35"	1.498
30/01/2031 00:00:00	♂	06°28'45" ♎	-11°56'14"	01°50'27"	00°26'12"	1.269
30/01/2031 00:00:00	♃	21°11'34" ♎	-22°36'02"	00°32'31"	00°11'00"	5.923
30/01/2031 00:00:00	♅	02°00'09" ♀	18°42'51"	-01°52'50"	-00°00'21"	8.643
30/01/2031 00:00:00	♁	19°08'35" ♀	23°05'27"	00°06'03"	-00°01'20"	18.508
30/01/2031 00:00:00	♃	11°00'35" ♎	02°57'39"	-01°30'56"	00°01'17"	30.314
30/01/2031 00:00:00	♁	11°35'04" ♋	-23°10'28"	-06°06'59"	00°01'51"	37.702
30/01/2031 00:00:00	♁	04°58'47" ♎	-21°07'23"	00°00'00"	-00°00'23"	0.002
30/01/2031 00:00:00	♃	12°06'32" ♋	13°39'39"	-01°53'43"	00°00'31"	16.785
30/01/2031 00:00:00	♁	27°52'05" ♀	21°19'33"	-02°05'28"	00°06'39"	0.003
30/01/2031 00:00:00	T♁	04°58'47" ♎	-21°07'23"	00°00'00"	-00°00'23"	0.002
30/01/2031 00:00:00	T♃	24°04'18" ♀	21°37'56"	-01°40'14"	-01°04'06"	0.003
30/01/2031 00:00:00	X	25°48'23" ♎	01°05'39"	-09°30'49"	00°00'10"	95.290
30/01/2031 00:00:00	Y	04°03'40" ♀	09°20'09"	-11°48'47"	-00°00'12"	81.374
31/01/2031 00:00:00	☉	10°53'59" ♋	-17°29'36"	00°00'00"	01°00'55"	0.985

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31/01/2031 00:00:00	♃	18°25'25"	♄	18°42'21"	♂	01°27'19"	♂	12°01'33"	0.003
31/01/2031 00:00:00	♆	27°02'51"	♄	-22°11'31"	♂	-01°28'33"	♂	01°33'18"	1.356
31/01/2031 00:00:00	♀	05°30'10"	♃	-10°54'12"	♂	-01°31'05"	♂	01°14'33"	1.494
31/01/2031 00:00:00	♂	06°54'50"	♃	-12°04'37"	♂	01°50'35"	♂	00°25'58"	1.259
31/01/2031 00:00:00	♃	21°22'32"	♂	-22°36'46"	♂	00°32'30"	♂	00°10'55"	5.911
31/01/2031 00:00:00	♃	01°59'51"	♃	18°43'04"	♂	-01°52'34"	♂	-00°00'14"	8.658
31/01/2031 00:00:00	♃	19°07'15"	♃	23°05'21"	♂	00°06'04"	♂	-00°01'17"	18.521
31/01/2031 00:00:00	♃	11°01'54"	♂	02°58'12"	♂	-01°30'53"	♂	00°01'19"	30.329
31/01/2031 00:00:00	♃	11°36'56"	♃	-23°10'00"	♂	-06°07'03"	♂	00°01'51"	37.704
31/01/2031 00:00:00	♃	04°58'56"	♂	-21°07'24"	♂	00°00'00"	♂	00°00'31"	0.002
31/01/2031 00:00:00	♃	12°07'05"	♄	13°39'51"	♂	-01°53'41"	♂	00°00'35"	16.801
31/01/2031 00:00:00	♃	27°58'45"	♃	21°18'51"	♂	-02°06'16"	♂	00°06'39"	0.003
31/01/2031 00:00:00	T♃	04°58'56"	♂	-21°07'24"	♂	00°00'00"	♂	00°00'31"	0.002
31/01/2031 00:00:00	T♃	23°22'24"	♃	21°39'32"	♂	-01°36'40"	♂	-00°21'47"	0.003
31/01/2031 00:00:00	X	25°48'35"	♂	01°05'50"	♂	-09°30'41"	♂	00°00'11"	95.306
31/01/2031 00:00:00	Y	04°03'28"	♃	09°20'15"	♂	-11°48'38"	♂	-00°00'11"	81.389
01/02/2031 00:00:00	♃	11°54'54"	♃	-17°12'49"	♂	00°00'00"	♂	01°00'54"	0.985
01/02/2031 00:00:00	♃	00°21'29"	♃	20°37'28"	♂	00°24'44"	♂	11°51'29"	0.003
01/02/2031 00:00:00	♆	28°36'30"	♄	-21°57'25"	♂	-01°33'18"	♂	01°33'59"	1.363

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01/02/2031 00:00:00	♀	06°44'43" ♃	-10°25'49"	-01°30'13"	01°14'31"	1.490
01/02/2031 00:00:00	♂	07°20'41" ♎	-12°12'52"	01°50'43"	00°25'44"	1.249
01/02/2031 00:00:00	♃	21°33'24" ♃	-22°37'29"	00°32'29"	00°10'49"	5.899
01/02/2031 00:00:00	♃	01°59'40" ♃	18°43'18"	-01°52'17"	-00°00'07"	8.674
01/02/2031 00:00:00	♃	19°05'59" ♃	23°05'15"	00°06'04"	-00°01'15"	18.534
01/02/2031 00:00:00	♃	11°03'14" ♃	02°58'46"	-01°30'51"	00°01'21"	30.344
01/02/2031 00:00:00	♃	11°38'47" ♃	-23°09'32"	-06°07'07"	00°01'51"	37.704
01/02/2031 00:00:00	♃	04°59'28" ♃	-21°07'30"	00°00'00"	00°00'21"	0.002
01/02/2031 00:00:00	♃	12°07'42" ♃	13°40'04"	-01°53'39"	00°00'39"	16.817
01/02/2031 00:00:00	♃	28°05'24" ♃	21°18'08"	-02°07'05"	00°06'39"	0.003
01/02/2031 00:00:00	T♃	04°59'28" ♃	-21°07'30"	00°00'00"	00°00'21"	0.002
01/02/2031 00:00:00	T♃	23°15'51" ♃	21°39'54"	-01°35'59"	00°06'04"	0.003
01/02/2031 00:00:00	X	25°48'47" ♃	01°06'02"	-09°30'33"	00°00'12"	95.323
01/02/2031 00:00:00	Y	04°03'16" ♃	09°20'21"	-11°48'30"	-00°00'11"	81.404
02/02/2031 00:00:00	♃	12°55'48" ♃	-16°55'44"	-00°00'00"	01°00'53"	0.985
02/02/2031 00:00:00	♃	12°10'11" ♃	21°36'54"	-00°38'12"	11°46'46"	0.003
02/02/2031 00:00:00	♃	00°10'51" ♃	-21°41'58"	-01°37'47"	01°34'41"	1.369
02/02/2031 00:00:00	♀	07°59'13" ♃	-09°57'10"	-01°29'16"	01°14'29"	1.486
02/02/2031 00:00:00	♂	07°46'18" ♎	-12°21'01"	01°50'50"	00°25'30"	1.238

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02/02/2031 00:00:00	♃	21°44'11" ♄	-22°38'10"	00°32'28"	00°10'44"	5.886
02/02/2031 00:00:00	♅	01°59'36" ♁	18°43'33"	-01°52'01"	-00°00'00"	8.689
02/02/2031 00:00:00	♆	19°04'45" ♁	23°05'10"	00°06'04"	-00°01'12"	18.548
02/02/2031 00:00:00	♅	11°04'37" ♄	02°59'20"	-01°30'48"	00°01'23"	30.359
02/02/2031 00:00:00	♁	11°40'38" ♁	-23°09'05"	-06°07'12"	00°01'51"	37.705
02/02/2031 00:00:00	♁	04°59'18" ♄	-21°07'28"	00°00'00"	-00°00'52"	0.002
02/02/2031 00:00:00	♃	12°08'23" ♄	13°40'19"	-01°53'37"	00°00'42"	16.833
02/02/2031 00:00:00	♁	28°12'04" ♁	21°17'25"	-02°07'53"	00°06'39"	0.003
02/02/2031 00:00:00	T♁	04°59'18" ♄	-21°07'28"	00°00'00"	-00°00'52"	0.002
02/02/2031 00:00:00	T♁	23°29'23" ♁	21°39'34"	-01°36'58"	00°18'36"	0.003
02/02/2031 00:00:00	X	25°48'59" ♄	01°06'14"	-09°30'25"	00°00'12"	95.339
02/02/2031 00:00:00	Y	04°03'05" ♁	09°20'28"	-11°48'21"	-00°00'10"	81.420
03/02/2031 00:00:00	♁	13°56'41" ♁	-16°38'21"	-00°00'00"	01°00'52"	0.986
03/02/2031 00:00:00	♁	23°56'38" ♁	21°38'37"	-01°39'12"	11°46'53"	0.003
03/02/2031 00:00:00	♁	01°45'54" ♁	-21°25'08"	-01°41'57"	01°35'23"	1.374
03/02/2031 00:00:00	♁	09°13'41" ♁	-09°28'15"	-01°28'15"	01°14'27"	1.481
03/02/2031 00:00:00	♁	08°11'41" ♁	-12°29'03"	01°50'57"	00°25'15"	1.228
03/02/2031 00:00:00	♃	21°54'53" ♄	-22°38'51"	00°32'27"	00°10'38"	5.873
03/02/2031 00:00:00	♅	01°59'39" ♁	18°43'50"	-01°51'45"	00°00'06"	8.705

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03/02/2031 00:00:00	♃	19°03'35" ♀	23°05'04"	00°06'05"	-00°01'09"	18.562
03/02/2031 00:00:00	♃	11°06'01" ♀	02°59'55"	-01°30'46"	00°01'24"	30.374
03/02/2031 00:00:00	♃	11°42'29" ♀	-23°08'37"	-06°07'16"	00°01'51"	37.705
03/02/2031 00:00:00	♃	04°57'25" ♀	-21°07'08"	00°00'00"	-00°03'00"	0.002
03/02/2031 00:00:00	♃	12°09'08" ♀	13°40'34"	-01°53'35"	00°00'46"	16.849
03/02/2031 00:00:00	♃	28°18'43" ♀	21°16'42"	-02°08'41"	00°06'39"	0.003
03/02/2031 00:00:00	♃	04°57'25" ♀	-21°07'08"	00°00'00"	-00°03'00"	0.002
03/02/2031 00:00:00	♃	23°49'03" ♀	21°38'55"	-01°38'34"	00°19'12"	0.003
03/02/2031 00:00:00	X	25°49'12" ♀	01°06'26"	-09°30'17"	00°00'13"	95.355
03/02/2031 00:00:00	Y	04°02'55" ♀	09°20'35"	-11°48'13"	-00°00'09"	81.435
04/02/2031 00:00:00	♃	14°57'32" ♀	-16°20'40"	-00°00'00"	01°00'50"	0.986
04/02/2031 00:00:00	♃	05°45'20" ♀	20°42'42"	-02°35'57"	11°51'07"	0.003
04/02/2031 00:00:00	♃	03°21'39" ♀	-21°06'55"	-01°45'50"	01°36'06"	1.379
04/02/2031 00:00:00	♃	10°28'07" ♀	-08°59'06"	-01°27'10"	01°14'25"	1.477
04/02/2031 00:00:00	♃	08°36'49" ♀	-12°36'59"	01°51'03"	00°25'00"	1.218
04/02/2031 00:00:00	♃	22°05'29" ♀	-22°39'30"	00°32'26"	00°10'33"	5.860
04/02/2031 00:00:00	♃	01°59'49" ♀	18°44'08"	-01°51'28"	00°00'12"	8.721
04/02/2031 00:00:00	♃	19°02'27" ♀	23°04'59"	00°06'05"	-00°01'06"	18.576
04/02/2031 00:00:00	♃	11°07'26" ♀	03°00'31"	-01°30'44"	00°01'26"	30.389

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04/02/2031 00:00:00	♁	11°44'21" ♁	-23°08'10"	-06°07'21"	00°01'51"	37.705
04/02/2031 00:00:00	♁	04°53'04" ♁	-21°06'21"	00°00'00"	-00°05'44"	0.002
04/02/2031 00:00:00	♁	12°09'56" ♁	13°40'51"	-01°53'33"	00°00'49"	16.865
04/02/2031 00:00:00	♁	28°25'23" ♁	21°15'59"	-02°09'30"	00°06'39"	0.003
04/02/2031 00:00:00	♁	04°53'04" ♁	-21°06'21"	00°00'00"	-00°05'44"	0.002
04/02/2031 00:00:00	♁	24°06'22" ♁	21°38'09"	-01°40'06"	00°15'35"	0.003
04/02/2031 00:00:00	X	25°49'26" ♁	01°06'38"	-09°30'09"	00°00'14"	95.371
04/02/2031 00:00:00	Y	04°02'46" ♁	09°20'42"	-11°48'04"	-00°00'08"	81.450
05/02/2031 00:00:00	♁	15°58'22" ♁	-16°02'43"	-00°00'00"	01°00'49"	0.986
05/02/2031 00:00:00	♁	17°39'58" ♁	18°51'33"	-03°26'14"	11°58'36"	0.003
05/02/2031 00:00:00	♁	04°58'07" ♁	-20°47'19"	-01°49'24"	01°36'50"	1.383
05/02/2031 00:00:00	♁	11°42'31" ♁	-08°29'43"	-01°26'00"	01°14'22"	1.473
05/02/2031 00:00:00	♁	09°01'42" ♁	-12°44'47"	01°51'09"	00°24'45"	1.208
05/02/2031 00:00:00	♁	22°15'59" ♁	-22°40'08"	00°32'25"	00°10'27"	5.847
05/02/2031 00:00:00	♁	02°00'05" ♁	18°44'27"	-01°51'12"	00°00'19"	8.737
05/02/2031 00:00:00	♁	19°01'22" ♁	23°04'54"	00°06'05"	-00°01'03"	18.590
05/02/2031 00:00:00	♁	11°08'54" ♁	03°01'07"	-01°30'42"	00°01'28"	30.403
05/02/2031 00:00:00	♁	11°46'12" ♁	-23°07'43"	-06°07'26"	00°01'51"	37.705
05/02/2031 00:00:00	♁	04°45'54" ♁	-21°05'03"	00°00'00"	-00°08'36"	0.002

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05/02/2031 00:00:00	♁	12°10'48" ♂	13°41'08"	-01°53'31"	00°00'53"	16.881
05/02/2031 00:00:00	♁	28°32'02" ♀	21°15'15"	-02°10'18"	00°06'39"	0.003
05/02/2031 00:00:00	♁	04°45'54" ♂	-21°05'03"	00°00'00"	-00°08'36"	0.002
05/02/2031 00:00:00	♁	24°22'46" ♀	21°37'10"	-01°41'47"	00°19'37"	0.003
05/02/2031 00:00:00	X	25°49'41" ♂	01°06'51"	-09°30'02"	00°00'14"	95.387
05/02/2031 00:00:00	Y	04°02'38" ♀	09°20'49"	-11°47'55"	-00°00'08"	81.466
06/02/2031 00:00:00	♁	16°59'11" ♀	-15°44'29"	-00°00'00"	01°00'48"	0.986
06/02/2031 00:00:00	♁	29°43'18" ♀	16°09'53"	-04°07'47"	12°08'23"	0.003
06/02/2031 00:00:00	♁	06°35'19" ♀	-20°26'20"	-01°52'38"	01°37'34"	1.387
06/02/2031 00:00:00	♁	12°56'53" ♀	-08°00'07"	-01°24'46"	01°14'20"	1.468
06/02/2031 00:00:00	♁	09°26'20" ♀	-12°52'28"	01°51'15"	00°24'29"	1.198
06/02/2031 00:00:00	♁	22°26'24" ♂	-22°40'45"	00°32'24"	00°10'21"	5.834
06/02/2031 00:00:00	♁	02°00'28" ♀	18°44'48"	-01°50'55"	00°00'26"	8.753
06/02/2031 00:00:00	♁	19°00'19" ♀	23°04'49"	00°06'06"	-00°01'00"	18.604
06/02/2031 00:00:00	♁	11°10'22" ♂	03°01'44"	-01°30'39"	00°01'29"	30.417
06/02/2031 00:00:00	♁	11°48'03" ♀	-23°07'16"	-06°07'31"	00°01'50"	37.705
06/02/2031 00:00:00	♁	04°35'58" ♂	-21°03'14"	00°00'00"	-00°11'09"	0.002
06/02/2031 00:00:00	♁	12°11'43" ♂	13°41'27"	-01°53'29"	00°00'57"	16.897
06/02/2031 00:00:00	♁	28°38'42" ♀	21°14'31"	-02°11'06"	00°06'39"	0.003

Ephemerides year 2031

06/02/2031 00:00:00	T♄	04°35'58" ♏	-21°03'14"	00°00'00"	-00°11'09"	0.002
06/02/2031 00:00:00	T♄	24°52'39" ♀	21°35'20"	-01°44'49"	00°44'34"	0.003
06/02/2031 00:00:00	X	25°49'56" ♏	01°07'03"	-09°29'54"	00°00'15"	95.403
06/02/2031 00:00:00	Y	04°02'30" ♀	09°20'56"	-11°47'46"	-00°00'07"	81.481
07/02/2031 00:00:00	♁	17°59'58" ♋	-15°25'59"	-00°00'00"	01°00'46"	0.986
07/02/2031 00:00:00	♂	11°57'11" ♏	12°44'27"	-04°38'30"	12°19'31"	0.003
07/02/2031 00:00:00	♀	08°13'16" ♋	-20°03'57"	-01°55'33"	01°38'19"	1.390
07/02/2031 00:00:00	♀	14°11'12" ♋	-07°30'19"	-01°23'28"	01°14'18"	1.464
07/02/2031 00:00:00	♂	09°50'42" ♎	-13°00'02"	01°51'20"	00°24'13"	1.188
07/02/2031 00:00:00	♃	22°36'43" ♏	-22°41'20"	00°32'23"	00°10'15"	5.820
07/02/2031 00:00:00	♃	02°00'58" ♀	18°45'10"	-01°50'39"	00°00'33"	8.769
07/02/2031 00:00:00	♃	18°59'20" ♀	23°04'44"	00°06'06"	-00°00'57"	18.618
07/02/2031 00:00:00	♃	11°11'53" ♏	03°02'21"	-01°30'37"	00°01'31"	30.431
07/02/2031 00:00:00	♃	11°49'54" ♋	-23°06'49"	-06°07'36"	00°01'50"	37.704
07/02/2031 00:00:00	♁	04°23'49" ♏	-21°01'01"	00°00'00"	-00°12'58"	0.002
07/02/2031 00:00:00	♃	12°12'42" ♏	13°41'47"	-01°53'27"	00°01'00"	16.913
07/02/2031 00:00:00	♃	28°45'21" ♀	21°13'47"	-02°11'54"	00°06'39"	0.003
07/02/2031 00:00:00	T♄	04°23'49" ♏	-21°01'01"	00°00'00"	-00°12'58"	0.002
07/02/2031 00:00:00	T♄	26°01'38" ♀	21°31'14"	-01°51'16"	01°38'16"	0.003

Ephemerides year 2031

07/02/2031 00:00:00	X	25°50'12" ♃	01°07'16"	-09°29'46"	00°00'16"	95.419
07/02/2031 00:00:00	Y	04°02'23" ♃r	09°21'04"	-11°47'38"	-00°00'06"	81.497
08/02/2031 00:00:00	☉	19°00'44" ♎	-15°07'13"	-00°00'00"	01°00'45"	0.986
08/02/2031 00:00:00	☾	24°22'34" ♏	08°43'40"	-04°56'30"	12°31'14"	0.003
08/02/2031 00:00:00	♀	09°51'59" ♎	-19°40'09"	-01°58'08"	01°39'05"	1.393
08/02/2031 00:00:00	♀	15°25'30" ♋	-07°00'19"	-01°22'06"	01°14'15"	1.460
08/02/2031 00:00:00	♂	10°14'48" ♎	-13°07'29"	01°51'25"	00°23'57"	1.177
08/02/2031 00:00:00	♃	22°46'55" ♏	-22°41'55"	00°32'22"	00°10'09"	5.807
08/02/2031 00:00:00	♃	02°01'35" ♃	18°45'33"	-01°50'22"	00°00'40"	8.785
08/02/2031 00:00:00	♃	18°58'24" ♃r	23°04'40"	00°06'06"	-00°00'54"	18.633
08/02/2031 00:00:00	♃	11°13'25" ♃	03°02'59"	-01°30'35"	00°01'32"	30.445
08/02/2031 00:00:00	♃	11°51'44" ♎	-23°06'22"	-06°07'41"	00°01'50"	37.703
08/02/2031 00:00:00	♁	04°10'23" ♏r	-20°58'32"	00°00'00"	-00°13'42"	0.002
08/02/2031 00:00:00	♃	12°13'44" ♏	13°42'07"	-01°53'25"	00°01'04"	16.929
08/02/2031 00:00:00	♃	28°52'01" ♃	21°13'03"	-02°12'42"	00°06'39"	0.003
08/02/2031 00:00:00	T♁	04°10'23" ♏r	-20°58'32"	00°00'00"	-00°13'42"	0.002
08/02/2031 00:00:00	T♃	28°17'26" ♃	21°22'11"	-02°03'12"	02°56'14"	0.003
08/02/2031 00:00:00	X	25°50'28" ♃	01°07'29"	-09°29'38"	00°00'16"	95.435
08/02/2031 00:00:00	Y	04°02'17" ♃r	09°21'11"	-11°47'29"	-00°00'05"	81.513

Ephemerides year 2031

09/02/2031 00:00:00	☉	20°01'29" ♊	-14°48'12"	-00°00'00"	01°00'44"	0.986
09/02/2031 00:00:00	☾	06°59'39" ♉	04°17'16"	-05°00'22"	12°42'54"	0.003
09/02/2031 00:00:00	♀	11°31'28" ♊	-19°14'57"	-02°00'21"	01°39'52"	1.395
09/02/2031 00:00:00	♀	16°39'44" ♋	-06°30'08"	-01°20'39"	01°14'13"	1.455
09/02/2031 00:00:00	♂	10°38'37" ♉	-13°14'49"	01°51'29"	00°23'41"	1.167
09/02/2031 00:00:00	♃	22°57'02" ♉	-22°42'28"	00°32'21"	00°10'03"	5.793
09/02/2031 00:00:00	♄	02°02'18" ♉	18°45'58"	-01°50'06"	00°00'46"	8.801
09/02/2031 00:00:00	♅	18°57'30" ♉	23°04'36"	00°06'06"	-00°00'51"	18.648
09/02/2031 00:00:00	♆	11°14'58" ♉	03°03'37"	-01°30'33"	00°01'34"	30.459
09/02/2031 00:00:00	♇	11°53'35" ♊	-23°05'56"	-06°07'47"	00°01'50"	37.701
09/02/2031 00:00:00	♈	03°56'49" ♉	-20°56'00"	00°00'00"	-00°13'12"	0.002
09/02/2031 00:00:00	♉	12°14'50" ♉	13°42'29"	-01°53'23"	00°01'07"	16.945
09/02/2031 00:00:00	♊	28°58'40" ♉	21°12'18"	-02°13'30"	00°06'39"	0.003
09/02/2031 00:00:00	♋	03°56'49" ♉	-20°56'00"	00°00'00"	-00°13'12"	0.002
09/02/2031 00:00:00	♌	01°56'29" ♉	21°03'44"	-02°21'28"	04°21'02"	0.003
09/02/2031 00:00:00	X	25°50'45" ♉	01°07'42"	-09°29'30"	00°00'17"	95.450
09/02/2031 00:00:00	Y	04°02'11" ♉	09°21'19"	-11°47'20"	-00°00'05"	81.528
10/02/2031 00:00:00	☉	21°02'13" ♊	-14°28'56"	-00°00'00"	01°00'43"	0.987
10/02/2031 00:00:00	☾	19°48'16" ♉	-00°23'58"	-04°49'17"	12°54'15"	0.003

Ephemerides year 2031

10/02/2031 00:00:00	♀	13°11'44" ♊	-18°48'19"	-02°02'13"	01°40'40"	1.397
10/02/2031 00:00:00	♀	17°53'57" ♋	-05°59'47"	-01°19'08"	01°14'11"	1.451
10/02/2031 00:00:00	♂	11°02'10" ♌	-13°22'02"	01°51'33"	00°23'24"	1.157
10/02/2031 00:00:00	♋	23°07'02" ♌	-22°43'01"	00°32'20"	00°09'57"	5.779
10/02/2031 00:00:00	♌	02°03'08" ♌	18°46'24"	-01°49'49"	00°00'53"	8.817
10/02/2031 00:00:00	♌	18°56'40" ♌r	23°04'32"	00°06'07"	-00°00'48"	18.663
10/02/2031 00:00:00	♌	11°16'33" ♌	03°04'16"	-01°30'31"	00°01'35"	30.472
10/02/2031 00:00:00	♌	11°55'25" ♊	-23°05'30"	-06°07'52"	00°01'50"	37.699
10/02/2031 00:00:00	♌	03°44'21" ♌r	-20°53'40"	00°00'00"	-00°11'32"	0.002
10/02/2031 00:00:00	♌	12°16'00" ♌	13°42'52"	-01°53'21"	00°01'11"	16.961
10/02/2031 00:00:00	♌	29°05'20" ♌	21°11'33"	-02°14'18"	00°06'39"	0.003
10/02/2031 00:00:00	T♌	03°44'21" ♌r	-20°53'40"	00°00'00"	-00°11'32"	0.002
10/02/2031 00:00:00	T♌	06°53'50" ♌	20°30'34"	-02°44'55"	05°28'50"	0.003
10/02/2031 00:00:00	X	25°51'02" ♌	01°07'56"	-09°29'23"	00°00'17"	95.466
10/02/2031 00:00:00	Y	04°02'06" ♌r	09°21'27"	-11°47'11"	-00°00'04"	81.544
11/02/2031 00:00:00	♌	22°02'56" ♊	-14°09'25"	-00°00'00"	01°00'42"	0.987
11/02/2031 00:00:00	♌	02°48'05" ♌	-05°08'14"	-04°23'07"	13°05'21"	0.003
11/02/2031 00:00:00	♀	14°52'49" ♊	-18°20'17"	-02°03'42"	01°41'29"	1.399
11/02/2031 00:00:00	♀	19°08'07" ♋	-05°29'17"	-01°17'33"	01°14'08"	1.446

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11/02/2031 00:00:00	♂	11°25'25" ♍	-13°29'08"	01°51'36"	00°23'06"	1.147
11/02/2031 00:00:00	♃	23°16'57" ♏	-22°43'32"	00°32'19"	00°09'51"	5.766
11/02/2031 00:00:00	♅	02°04'05" ♁	18°46'51"	-01°49'33"	00°01'00"	8.834
11/02/2031 00:00:00	♁	18°55'53" ♁r	23°04'29"	00°06'07"	-00°00'45"	18.678
11/02/2031 00:00:00	♃	11°18'10" ♏	03°04'56"	-01°30'29"	00°01'37"	30.486
11/02/2031 00:00:00	♁	11°57'15" ♁	-23°05'04"	-06°07'58"	00°01'49"	37.697
11/02/2031 00:00:00	♁	03°34'02" ♏r	-20°51'43"	00°00'00"	-00°08'58"	0.002
11/02/2031 00:00:00	♃	12°17'12" ♏	13°43'16"	-01°53'19"	00°01'14"	16.977
11/02/2031 00:00:00	♁	29°11'59" ♁	21°10'48"	-02°15'05"	00°06'39"	0.003
11/02/2031 00:00:00	T♁	03°34'02" ♏r	-20°51'43"	00°00'00"	-00°08'58"	0.002
11/02/2031 00:00:00	T♁	12°41'15" ♁	19°40'09"	-03°10'26"	05°58'13"	0.003
11/02/2031 00:00:00	X	25°51'20" ♏	01°08'09"	-09°29'15"	00°00'18"	95.481
11/02/2031 00:00:00	Y	04°02'02" ♁r	09°21'35"	-11°47'02"	-00°00'03"	81.560
12/02/2031 00:00:00	♁	23°03'37" ♁	-13°49'40"	-00°00'00"	01°00'40"	0.987
12/02/2031 00:00:00	♁	15°59'01" ♁	-09°42'36"	-03°42'38"	13°16'32"	0.003
12/02/2031 00:00:00	♁	16°34'43" ♁	-17°50'50"	-02°04'48"	01°42'18"	1.399
12/02/2031 00:00:00	♀	20°22'15" ♁	-04°58'38"	-01°15'54"	01°14'06"	1.442
12/02/2031 00:00:00	♂	11°48'24" ♍	-13°36'06"	01°51'39"	00°22'49"	1.137
12/02/2031 00:00:00	♃	23°26'45" ♏	-22°44'02"	00°32'19"	00°09'44"	5.752

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12/02/2031 00:00:00	♃	02°05'08" ♀	18°47'20"	-01°49'17"	00°01'06"	8.850
12/02/2031 00:00:00	♃	18°55'08" ♀r	23°04'25"	00°06'07"	-00°00'42"	18.693
12/02/2031 00:00:00	♃	11°19'48" ♀	03°05'36"	-01°30'27"	00°01'38"	30.499
12/02/2031 00:00:00	♃	11°59'04" ♀	-23°04'38"	-06°08'04"	00°01'49"	37.695
12/02/2031 00:00:00	♃	03°26'32" ♀r	-20°50'18"	00°00'00"	-00°05'58"	0.002
12/02/2031 00:00:00	♃	12°18'29" ♀	13°43'41"	-01°53'18"	00°01'18"	16.993
12/02/2031 00:00:00	♃	29°18'39" ♀	21°10'02"	-02°15'53"	00°06'39"	0.003
12/02/2031 00:00:00	T♃	03°26'32" ♀r	-20°50'18"	00°00'00"	-00°05'58"	0.002
12/02/2031 00:00:00	T♃	18°33'21" ♀	18°36'47"	-03°34'07"	05°37'13"	0.003
12/02/2031 00:00:00	X	25°51'39" ♀	01°08'23"	-09°29'07"	00°00'18"	95.496
12/02/2031 00:00:00	Y	04°01'59" ♀r	09°21'43"	-11°46'53"	-00°00'02"	81.576
13/02/2031 00:00:00	♃	24°04'17" ♀	-13°29'41"	-00°00'00"	01°00'39"	0.987
13/02/2031 00:00:00	♃	29°21'21" ♀	-13°52'53"	-02°49'22"	13°28'14"	0.003
13/02/2031 00:00:00	♃	18°17'27" ♀	-17°19'57"	-02°05'30"	01°43'09"	1.400
13/02/2031 00:00:00	♃	21°36'20" ♀	-04°27'52"	-01°14'11"	01°14'04"	1.437
13/02/2031 00:00:00	♃	12°11'04" ♀	-13°42'57"	01°51'42"	00°22'30"	1.127
13/02/2031 00:00:00	♃	23°36'26" ♀r	-22°44'31"	00°32'18"	00°09'38"	5.737
13/02/2031 00:00:00	♃	02°06'19" ♀	18°47'50"	-01°49'00"	00°01'13"	8.867
13/02/2031 00:00:00	♃	18°54'27" ♀r	23°04'22"	00°06'08"	-00°00'39"	18.708

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13/02/2031 00:00:00	♁	11°21'27" ♃	03°06'17"	-01°30'25"	00°01'40"	30.512
13/02/2031 00:00:00	♁	12°00'54" ♁	-23°04'13"	-06°08'10"	00°01'49"	37.693
13/02/2031 00:00:00	♁	03°22'02" ♃	-20°49'26"	00°00'00"	-00°03'06"	0.002
13/02/2031 00:00:00	♁	12°19'49" ♃	13°44'07"	-01°53'16"	00°01'21"	17.009
13/02/2031 00:00:00	♁	29°25'18" ♃	21°09'17"	-02°16'41"	00°06'39"	0.003
13/02/2031 00:00:00	T♁	03°22'02" ♃	-20°49'26"	00°00'00"	-00°03'06"	0.002
13/02/2031 00:00:00	T♁	23°39'02" ♃	17°32'26"	-03°52'45"	04°26'42"	0.003
13/02/2031 00:00:00	X	25°51'58" ♃	01°08'37"	-09°29'00"	00°00'19"	95.511
13/02/2031 00:00:00	Y	04°01'56" ♃	09°21'52"	-11°46'44"	-00°00'02"	81.592
14/02/2031 00:00:00	♁	25°04'57" ♁	-13°09'29"	-00°00'00"	01°00'38"	0.987
14/02/2031 00:00:00	♁	12°55'48" ♃	-17°23'42"	-01°45'44"	13°40'49"	0.003
14/02/2031 00:00:00	♁	20°01'02" ♁	-16°47'39"	-02°05'48"	01°44'00"	1.399
14/02/2031 00:00:00	♁	22°50'23" ♃	-03°56'58"	-01°12'23"	01°14'01"	1.433
14/02/2031 00:00:00	♁	12°33'25" ♃	-13°49'41"	01°51'44"	00°22'12"	1.117
14/02/2031 00:00:00	♁	23°46'01" ♃	-22°44'59"	00°32'17"	00°09'31"	5.723
14/02/2031 00:00:00	♁	02°07'36" ♃	18°48'21"	-01°48'44"	00°01'20"	8.883
14/02/2031 00:00:00	♁	18°53'49" ♃	23°04'19"	00°06'08"	-00°00'36"	18.724
14/02/2031 00:00:00	♁	11°23'08" ♃	03°06'58"	-01°30'23"	00°01'41"	30.524
14/02/2031 00:00:00	♁	12°02'43" ♁	-23°03'47"	-06°08'17"	00°01'48"	37.690

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14/02/2031 00:00:00	♁	03°20'04" ♀	-20°49'03"	00°00'00"	-00°00'58"	0.002
14/02/2031 00:00:00	♆	12°21'12" ♂	13°44'34"	-01°53'14"	00°01'25"	17.025
14/02/2031 00:00:00	♁	29°31'58" ♀	21°08'31"	-02°17'28"	00°06'39"	0.003
14/02/2031 00:00:00	♁	03°20'04" ♀	-20°49'03"	00°00'00"	-00°00'58"	0.002
14/02/2031 00:00:00	♁	27°14'49" ♀	16°42'09"	-04°04'45"	02°40'47"	0.003
14/02/2031 00:00:00	X	25°52'18" ♀	01°08'51"	-09°28'52"	00°00'20"	95.526
14/02/2031 00:00:00	Y	04°01'55" ♀	09°22'00"	-11°46'35"	-00°00'01"	81.608
15/02/2031 00:00:00	♁	26°05'35" ♀	-12°49'04"	-00°00'00"	01°00'37"	0.988
15/02/2031 00:00:00	♁	26°43'19" ♀	-19°59'07"	-00°34'54"	13°54'20"	0.002
15/02/2031 00:00:00	♁	21°45'29" ♀	-16°13'56"	-02°05'40"	01°44'52"	1.398
15/02/2031 00:00:00	♁	24°04'24" ♀	-03°25'58"	-01°10'32"	01°13'59"	1.428
15/02/2031 00:00:00	♁	12°55'28" ♀	-13°56'17"	01°51'45"	00°21'53"	1.107
15/02/2031 00:00:00	♁	23°55'30" ♀	-22°45'26"	00°32'17"	00°09'25"	5.709
15/02/2031 00:00:00	♁	02°09'00" ♀	18°48'53"	-01°48'27"	00°01'27"	8.900
15/02/2031 00:00:00	♁	18°53'14" ♀	23°04'16"	00°06'08"	-00°00'33"	18.739
15/02/2031 00:00:00	♁	11°24'50" ♀	03°07'40"	-01°30'21"	00°01'43"	30.537
15/02/2031 00:00:00	♁	12°04'31" ♀	-23°03'22"	-06°08'23"	00°01'48"	37.687
15/02/2031 00:00:00	♁	03°19'42" ♀	-20°48'59"	00°00'00"	00°00'01"	0.002
15/02/2031 00:00:00	♁	12°22'39" ♂	13°45'02"	-01°53'12"	00°01'28"	17.040

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15/02/2031 00:00:00	☾	29°38'37" ♀	21°07'44"	-02°18'16"	00°06'39"	0.003
15/02/2031 00:00:00	♄	03°19'42" ♂	-20°48'59"	00°00'00"	00°00'01"	0.002
15/02/2031 00:00:00	♃	28°57'24" ♀	16°16'57"	-04°10'03"	00°45'29"	0.003
15/02/2031 00:00:00	X	25°52'39" ♂	01°09'05"	-09°28'45"	00°00'20"	95.541
15/02/2031 00:00:00	Y	04°01'54" ♀	09°22'09"	-11°46'26"	-00°00'00"	81.625
16/02/2031 00:00:00	☉	27°06'12" ♀	-12°28'26"	00°00'00"	01°00'36"	0.988
16/02/2031 00:00:00	☾	10°44'38" ♂	-21°24'20"	00°39'09"	14°08'18"	0.002
16/02/2031 00:00:00	♀	23°30'47" ♀	-15°38'48"	-02°05'06"	01°45'44"	1.396
16/02/2031 00:00:00	♀	25°18'22" ♀	-02°54'53"	-01°08'37"	01°13'57"	1.423
16/02/2031 00:00:00	♂	13°17'11" ♀	-14°02'46"	01°51'46"	00°21'33"	1.097
16/02/2031 00:00:00	♃	24°04'52" ♂	-22°45'51"	00°32'16"	00°09'18"	5.694
16/02/2031 00:00:00	♃	02°10'30" ♀	18°49'27"	-01°48'11"	00°01'33"	8.916
16/02/2031 00:00:00	♃	18°52'42" ♀	23°04'14"	00°06'08"	-00°00'30"	18.755
16/02/2031 00:00:00	♃	11°26'34" ♂	03°08'22"	-01°30'19"	00°01'44"	30.549
16/02/2031 00:00:00	♃	12°06'20" ♀	-23°02'57"	-06°08'30"	00°01'48"	37.683
16/02/2031 00:00:00	♄	03°19'38" ♂	-20°48'59"	00°00'00"	-00°00'22"	0.002
16/02/2031 00:00:00	♃	12°24'09" ♂	13°45'31"	-01°53'10"	00°01'32"	17.056
16/02/2031 00:00:00	☾	29°45'17" ♀	21°06'58"	-02°19'03"	00°06'39"	0.003
16/02/2031 00:00:00	♄	03°19'38" ♂	-20°48'59"	00°00'00"	-00°00'22"	0.002

Ephemerides year 2031

16/02/2031 00:00:00	T♄	28°53'32"	♊	16°18'01"	-04°09'45"	-00°46'53"	0.003
16/02/2031 00:00:00	X	25°53'00"	♄	01°09'19"	-09°28'38"	00°00'21"	95.555
16/02/2031 00:00:00	Y	04°01'54"	♈	09°22'18"	-11°46'17"	00°00'00"	81.641
17/02/2031 00:00:00	☉	28°06'48"	♊	-12°07'36"	00°00'00"	01°00'35"	0.988
17/02/2031 00:00:00	☾	24°59'43"	♌	-21°28'31"	01°51'55"	14°21'35"	0.002
17/02/2031 00:00:00	♀	25°16'58"	♊	-15°02'16"	-02°04'04"	01°46'37"	1.394
17/02/2031 00:00:00	♀	26°32'18"	♌	-02°23'42"	-01°06'38"	01°13'54"	1.419
17/02/2031 00:00:00	♂	13°38'35"	♈	-14°09'08"	01°51'47"	00°21'13"	1.087
17/02/2031 00:00:00	♃	24°14'07"	♌	-22°46'16"	00°32'15"	00°09'11"	5.680
17/02/2031 00:00:00	♅	02°12'07"	♈	18°50'02"	-01°47'55"	00°01'40"	8.933
17/02/2031 00:00:00	♁	18°52'14"	♈r	23°04'12"	00°06'09"	-00°00'27"	18.771
17/02/2031 00:00:00	♃	11°28'19"	♄	03°09'04"	-01°30'17"	00°01'45"	30.561
17/02/2031 00:00:00	♁	12°08'08"	♊	-23°02'33"	-06°08'37"	00°01'47"	37.680
17/02/2031 00:00:00	♁	03°18'30"	♌r	-20°48'45"	00°00'00"	-00°02'05"	0.002
17/02/2031 00:00:00	♃	12°25'43"	♄	13°46'01"	-01°53'09"	00°01'35"	17.071
17/02/2031 00:00:00	♄	29°51'57"	♈	21°06'11"	-02°19'51"	00°06'39"	0.003
17/02/2031 00:00:00	T♁	03°18'30"	♌r	-20°48'45"	00°00'00"	-00°02'05"	0.002
17/02/2031 00:00:00	T♄	27°39'12"	♊	16°36'29"	-04°05'46"	-01°33'28"	0.003
17/02/2031 00:00:00	X	25°53'21"	♄	01°09'34"	-09°28'30"	00°00'21"	95.570

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17/02/2031 00:00:00	Y	04°01'54" ♀	09°22'27"	-11°46'08"	00°00'01"	81.657
18/02/2031 00:00:00	☉	29°07'23" ♁	-11°46'34"	00°00'00"	01°00'34"	0.988
18/02/2031 00:00:00	☾	09°27'00" ♁	-20°07'49"	02°58'27"	14°32'24"	0.002
18/02/2031 00:00:00	♀	27°04'02" ♁	-14°24'19"	-02°02'35"	01°47'29"	1.391
18/02/2031 00:00:00	♀	27°46'11" ♁	-01°52'28"	-01°04'35"	01°13'52"	1.414
18/02/2031 00:00:00	♂	13°59'38" ♃	-14°15'22"	01°51'46"	00°20'52"	1.077
18/02/2031 00:00:00	♃	24°23'15" ♁	-22°46'40"	00°32'15"	00°09'04"	5.665
18/02/2031 00:00:00	♄	02°13'51" ♀	18°50'38"	-01°47'39"	00°01'47"	8.949
18/02/2031 00:00:00	♅	18°51'48" ♀	23°04'10"	00°06'09"	-00°00'23"	18.786
18/02/2031 00:00:00	♆	11°30'06" ♀	03°09'48"	-01°30'15"	00°01'47"	30.573
18/02/2031 00:00:00	♇	12°09'56" ♁	-23°02'08"	-06°08'44"	00°01'47"	37.676
18/02/2031 00:00:00	♈	03°15'08" ♁	-20°48'07"	00°00'00"	-00°04'45"	0.002
18/02/2031 00:00:00	♉	12°27'20" ♀	13°46'32"	-01°53'07"	00°01'38"	17.087
18/02/2031 00:00:00	♊	29°58'37" ♀	21°05'24"	-02°20'38"	00°06'39"	0.003
18/02/2031 00:00:00	T♈	03°15'08" ♁	-20°48'07"	00°00'00"	-00°04'45"	0.002
18/02/2031 00:00:00	T♉	26°01'03" ♁	17°00'07"	-04°00'24"	-01°37'20"	0.003
18/02/2031 00:00:00	X	25°53'44" ♀	01°09'48"	-09°28'23"	00°00'22"	95.584
18/02/2031 00:00:00	Y	04°01'56" ♀	09°22'36"	-11°45'58"	00°00'01"	81.673
19/02/2031 00:00:00	☉	00°07'57" ♁	-11°25'22"	00°00'00"	01°00'32"	0.988

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19/02/2031 00:00:00	♃	24°03'02"	♌	-17°27'15"	03°53'55"	14°38'43"	0.002
19/02/2031 00:00:00	♆	28°51'57"	♍	-13°44'59"	-02°00'36"	01°48'21"	1.388
19/02/2031 00:00:00	♀	29°00'02"	♎	-01°21'10"	-01°02'28"	01°13'49"	1.409
19/02/2031 00:00:00	♂	14°20'20"	♏	-14°21'28"	01°51'45"	00°20'31"	1.067
19/02/2031 00:00:00	♁	24°32'16"	♐	-22°47'03"	00°32'14"	00°08'57"	5.650
19/02/2031 00:00:00	♄	02°15'41"	♑	18°51'16"	-01°47'23"	00°01'53"	8.966
19/02/2031 00:00:00	♅	18°51'26"	♒	23°04'08"	00°06'09"	-00°00'20"	18.802
19/02/2031 00:00:00	♆	11°31'53"	♓	03°10'31"	-01°30'14"	00°01'48"	30.585
19/02/2031 00:00:00	♁	12°11'43"	♈	-23°01'44"	-06°08'51"	00°01'46"	37.671
19/02/2031 00:00:00	♁	03°08'52"	♉	-20°46'55"	00°00'00"	-00°07'45"	0.002
19/02/2031 00:00:00	♂	12°29'01"	♊	13°47'04"	-01°53'05"	00°01'42"	17.102
19/02/2031 00:00:00	♁	00°05'16"	♋	21°04'37"	-02°21'25"	00°06'39"	0.003
19/02/2031 00:00:00	T♁	03°08'52"	♉	-20°46'55"	00°00'00"	-00°07'45"	0.002
19/02/2031 00:00:00	T♁	24°30'37"	♋	17°21'02"	-03°55'26"	-01°22'52"	0.003
19/02/2031 00:00:00	X	25°54'06"	♉	01°10'03"	-09°28'16"	00°00'23"	95.598
19/02/2031 00:00:00	Y	04°01'58"	♉	09°22'46"	-11°45'49"	00°00'02"	81.690
20/02/2031 00:00:00	♃	01°08'29"	♎	-11°03'58"	00°00'00"	01°00'31"	0.989
20/02/2031 00:00:00	♃	08°42'18"	♍	-13°40'01"	04°34'07"	14°38'37"	0.002
20/02/2031 00:00:00	♆	00°40'45"	♎	-13°04'16"	-01°58'08"	01°49'12"	1.383

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20/02/2031 00:00:00	♀	00°13'50" ♀	-00°49'49"	-01°00'18"	01°13'46"	1.404
20/02/2031 00:00:00	♂	14°40'40" ♃	-14°27'27"	01°51'44"	00°20'09"	1.057
20/02/2031 00:00:00	♃	24°41'09" ♃	-22°47'26"	00°32'14"	00°08'49"	5.635
20/02/2031 00:00:00	♃	02°17'38" ♃	18°51'54"	-01°47'06"	00°02'00"	8.983
20/02/2031 00:00:00	♃	18°51'07" ♃r	23°04'07"	00°06'09"	-00°00'17"	18.819
20/02/2031 00:00:00	♃	11°33'42" ♀	03°11'15"	-01°30'12"	00°01'49"	30.597
20/02/2031 00:00:00	♃	12°13'30" ♃	-23°01'21"	-06°08'58"	00°01'46"	37.667
20/02/2031 00:00:00	♃	02°59'43" ♃r	-20°45'09"	00°00'00"	-00°10'26"	0.002
20/02/2031 00:00:00	♃	12°30'44" ♃	13°47'37"	-01°53'04"	00°01'45"	17.117
20/02/2031 00:00:00	♃	00°11'56" ♃	21°03'49"	-02°22'12"	00°06'39"	0.003
20/02/2031 00:00:00	T♃	02°59'43" ♃r	-20°45'09"	00°00'00"	-00°10'26"	0.002
20/02/2031 00:00:00	T♃	23°12'39" ♃r	17°38'17"	-03°51'15"	-01°15'53"	0.003
20/02/2031 00:00:00	X	25°54'30" ♀	01°10'18"	-09°28'09"	00°00'23"	95.612
20/02/2031 00:00:00	Y	04°02'01" ♃	09°22'55"	-11°45'40"	00°00'03"	81.706
21/02/2031 00:00:00	♃	02°09'00" ♃	-10°42'24"	00°00'00"	01°00'29"	0.989
21/02/2031 00:00:00	♃	23°17'46" ♃	-09°04'55"	04°56'13"	14°31'01"	0.002
21/02/2031 00:00:00	♃	02°30'23" ♃	-12°22'11"	-01°55'09"	01°50'02"	1.378
21/02/2031 00:00:00	♀	01°27'35" ♀	-00°18'27"	-00°58'04"	01°13'43"	1.399
21/02/2031 00:00:00	♂	15°00'38" ♃	-14°33'18"	01°51'41"	00°19'47"	1.047

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21/02/2031 00:00:00	♃	24°49'56" ♃	-22°47'47"	00°32'13"	00°08'42"	5.620
21/02/2031 00:00:00	♅	02°19'41" ♀	18°52'34"	-01°46'50"	00°02'06"	8.999
21/02/2031 00:00:00	♅	18°50'51" ♀	23°04'06"	00°06'10"	-00°00'14"	18.835
21/02/2031 00:00:00	♆	11°35'33" ♃	03°12'00"	-01°30'10"	00°01'50"	30.608
21/02/2031 00:00:00	♆	12°15'16" ♃	-23°00'57"	-06°09'06"	00°01'45"	37.662
21/02/2031 00:00:00	♄	02°48'18" ♃	-20°42'56"	00°00'00"	-00°12'11"	0.002
21/02/2031 00:00:00	♃	12°32'31" ♃	13°48'10"	-01°53'02"	00°01'48"	17.133
21/02/2031 00:00:00	♁	00°18'36" ♃	21°03'01"	-02°22'59"	00°06'39"	0.003
21/02/2031 00:00:00	T♄	02°48'18" ♃	-20°42'56"	00°00'00"	-00°12'11"	0.002
21/02/2031 00:00:00	T♁	21°51'38" ♃	17°55'20"	-03°47'05"	-01°30'02"	0.003
21/02/2031 00:00:00	X	25°54'54" ♃	01°10'33"	-09°28'02"	00°00'24"	95.626
21/02/2031 00:00:00	Y	04°02'05" ♀	09°23'05"	-11°45'31"	00°00'04"	81.722
22/02/2031 00:00:00	♁	03°09'29" ♃	-10°20'40"	00°00'00"	01°00'28"	0.989
22/02/2031 00:00:00	♁	07°41'53" ♃	-04°02'58"	04°59'05"	14°16'04"	0.002
22/02/2031 00:00:00	♁	04°20'50" ♃	-11°38'47"	-01°51'39"	01°50'51"	1.372
22/02/2031 00:00:00	♁	02°41'18" ♃	00°12'56"	-00°55'46"	01°13'40"	1.394
22/02/2031 00:00:00	♁	15°20'14" ♃	-14°39'01"	01°51'38"	00°19'24"	1.037
22/02/2031 00:00:00	♃	24°58'34" ♃	-22°48'07"	00°32'13"	00°08'34"	5.605
22/02/2031 00:00:00	♅	02°21'51" ♀	18°53'15"	-01°46'34"	00°02'12"	9.016

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22/02/2031 00:00:00	♃	18°50'38" ♀	23°04'05"	00°06'10"	-00°00'11"	18.851
22/02/2031 00:00:00	♃	11°37'24" ♀	03°12'45"	-01°30'09"	00°01'51"	30.619
22/02/2031 00:00:00	♃	12°17'01" ♀	-23°00'34"	-06°09'14"	00°01'45"	37.657
22/02/2031 00:00:00	♃	02°35'46" ♀	-20°40'30"	00°00'00"	-00°12'38"	0.002
22/02/2031 00:00:00	♃	12°34'22" ♀	13°48'45"	-01°53'00"	00°01'51"	17.148
22/02/2031 00:00:00	♃	00°25'15" ♀	21°02'13"	-02°23'47"	00°06'39"	0.003
22/02/2031 00:00:00	♃	02°35'46" ♀	-20°40'30"	00°00'00"	-00°12'38"	0.002
22/02/2031 00:00:00	♃	20°05'30" ♀	18°16'35"	-03°41'37"	-02°05'01"	0.003
22/02/2031 00:00:00	X	25°55'18" ♀	01°10'48"	-09°27'55"	00°00'24"	95.640
22/02/2031 00:00:00	Y	04°02'09" ♀	09°23'15"	-11°45'22"	00°00'04"	81.739
23/02/2031 00:00:00	♃	04°09'56" ♀	-09°58'47"	00°00'00"	01°00'26"	0.989
23/02/2031 00:00:00	♃	21°47'55" ♀	01°05'28"	04°43'31"	13°55'10"	0.003
23/02/2031 00:00:00	♃	06°12'04" ♀	-10°54'04"	-01°47'36"	01°51'37"	1.365
23/02/2031 00:00:00	♃	03°54'57" ♀	00°44'20"	-00°53'25"	01°13'37"	1.389
23/02/2031 00:00:00	♃	15°39'26" ♀	-14°44'37"	01°51'34"	00°19'00"	1.028
23/02/2031 00:00:00	♃	25°07'05" ♀	-22°48'27"	00°32'12"	00°08'27"	5.590
23/02/2031 00:00:00	♃	02°24'07" ♀	18°53'57"	-01°46'18"	00°02'19"	9.032
23/02/2031 00:00:00	♃	18°50'28" ♀	23°04'05"	00°06'10"	-00°00'08"	18.867
23/02/2031 00:00:00	♃	11°39'17" ♀	03°13'30"	-01°30'07"	00°01'53"	30.630

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23/02/2031 00:00:00	♁	12°18'46" ♁	-23°00'11"	-06°09'21"	00°01'44"	37.651
23/02/2031 00:00:00	♁	02°23'29" ♁r	-20°38'05"	00°00'00"	-00°11'42"	0.002
23/02/2031 00:00:00	♁	12°36'15" ♁	13°49'21"	-01°52'59"	00°01'54"	17.163
23/02/2031 00:00:00	♁	00°31'55" ♁	21°01'25"	-02°24'33"	00°06'39"	0.003
23/02/2031 00:00:00	♁	02°23'29" ♁r	-20°38'05"	00°00'00"	-00°11'42"	0.002
23/02/2031 00:00:00	♁	17°38'29" ♁r	18°44'21"	-03°33'41"	-02°49'01"	0.003
23/02/2031 00:00:00	X	25°55'43" ♁	01°11'03"	-09°27'48"	00°00'25"	95.653
23/02/2031 00:00:00	Y	04°02'14" ♁	09°23'25"	-11°45'13"	00°00'05"	81.755
24/02/2031 00:00:00	♁	05°10'22" ♁	-09°36'44"	00°00'00"	01°00'24"	0.990
24/02/2031 00:00:00	♁	05°31'02" ♁	06°02'32"	04°11'44"	13°30'39"	0.003
24/02/2031 00:00:00	♁	08°04'03" ♁	-10°08'04"	-01°42'59"	01°52'19"	1.357
24/02/2031 00:00:00	♁	05°08'34" ♁	01°15'43"	-00°51'01"	01°13'34"	1.384
24/02/2031 00:00:00	♁	15°58'16" ♁	-14°50'05"	01°51'30"	00°18'37"	1.018
24/02/2031 00:00:00	♁	25°15'29" ♁	-22°48'45"	00°32'12"	00°08'19"	5.575
24/02/2031 00:00:00	♁	02°26'30" ♁	18°54'41"	-01°46'03"	00°02'25"	9.049
24/02/2031 00:00:00	♁	18°50'22" ♁r	23°04'05"	00°06'10"	-00°00'04"	18.884
24/02/2031 00:00:00	♁	11°41'10" ♁	03°14'16"	-01°30'05"	00°01'54"	30.640
24/02/2031 00:00:00	♁	12°20'31" ♁	-22°59'49"	-06°09'29"	00°01'44"	37.646
24/02/2031 00:00:00	♁	02°12'43" ♁r	-20°35'58"	00°00'00"	-00°09'39"	0.002

Ephemerides year 2031

24/02/2031 00:00:00	♄	12°38'12" ♉	13°49'57"	-01°52'57"	00°01'58"	17.177
24/02/2031 00:00:00	♁	00°38'34" ♉	21°00'36"	-02°25'20"	00°06'39"	0.003
24/02/2031 00:00:00	♁♁	02°12'43" ♉♁	-20°35'58"	00°00'00"	-00°09'39"	0.002
24/02/2031 00:00:00	♁♁	14°30'41" ♉♁	19°16'58"	-03°22'50"	-03°23'20"	0.003
24/02/2031 00:00:00	X	25°56'08" ♁	01°11'19"	-09°27'41"	00°00'25"	95.666
24/02/2031 00:00:00	Y	04°02'20" ♀	09°23'35"	-11°45'04"	00°00'06"	81.771
25/02/2031 00:00:00	♁	06°10'46" ♁	-09°14'33"	00°00'00"	01°00'22"	0.990
25/02/2031 00:00:00	♁	18°48'55" ♁	10°33'29"	03°26'57"	13°05'08"	0.003
25/02/2031 00:00:00	♁	09°56'43" ♁	-09°20'51"	-01°37'48"	01°52'58"	1.348
25/02/2031 00:00:00	♁	06°22'07" ♁	01°47'06"	-00°48'33"	01°13'31"	1.379
25/02/2031 00:00:00	♁	16°16'41" ♁	-14°55'26"	01°51'24"	00°18'13"	1.008
25/02/2031 00:00:00	♁	25°23'45" ♁	-22°49'03"	00°32'12"	00°08'11"	5.560
25/02/2031 00:00:00	♁	02°28'59" ♀	18°55'25"	-01°45'47"	00°02'32"	9.066
25/02/2031 00:00:00	♁	18°50'19" ♁♁	23°04'04"	00°06'11"	-00°00'01"	18.900
25/02/2031 00:00:00	♁	11°43'05" ♁	03°15'02"	-01°30'04"	00°01'55"	30.651
25/02/2031 00:00:00	♁	12°22'14" ♁	-22°59'27"	-06°09'38"	00°01'43"	37.640
25/02/2031 00:00:00	♁	02°04'23" ♁♁	-20°34'18"	00°00'00"	-00°06'57"	0.002
25/02/2031 00:00:00	♄	12°40'11" ♉	13°50'35"	-01°52'56"	00°02'01"	17.192
25/02/2031 00:00:00	♁	00°45'14" ♉	20°59'47"	-02°26'07"	00°06'39"	0.003

Ephemerides year 2031

25/02/2031 00:00:00	T♄	02°04'23" ♄	-20°34'18"	00°00'00"	-00°06'57"	0.002
25/02/2031 00:00:00	T♄	11°00'40" ♄	19°49'27"	-03°09'50"	-03°31'33"	0.003
25/02/2031 00:00:00	X	25°56'34" ♄	01°11'34"	-09°27'34"	00°00'26"	95.679
25/02/2031 00:00:00	Y	04°02'27" ♄	09°23'45"	-11°44'54"	00°00'07"	81.788
26/02/2031 00:00:00	♁	07°11'08" ♄	-08°52'14"	00°00'00"	01°00'21"	0.990
26/02/2031 00:00:00	♂	01°41'48" ♄	14°26'51"	02°32'42"	12°41'03"	0.003
26/02/2031 00:00:00	♀	11°49'58" ♄	-08°32'27"	-01°32'02"	01°53'31"	1.339
26/02/2031 00:00:00	♀	07°35'37" ♄	02°18'26"	-00°46'02"	01°13'28"	1.374
26/02/2031 00:00:00	♂	16°34'42" ♄	-15°00'38"	01°51'18"	00°17'48"	0.999
26/02/2031 00:00:00	♃	25°31'53" ♄	-22°49'20"	00°32'11"	00°08'03"	5.544
26/02/2031 00:00:00	♃	02°31'34" ♄	18°56'11"	-01°45'31"	00°02'38"	9.082
26/02/2031 00:00:00	♃	18°50'19" ♄	23°04'05"	00°06'11"	00°00'01"	18.917
26/02/2031 00:00:00	♃	11°45'01" ♄	03°15'49"	-01°30'02"	00°01'56"	30.661
26/02/2031 00:00:00	♃	12°23'57" ♄	-22°59'05"	-06°09'46"	00°01'42"	37.634
26/02/2031 00:00:00	♁	01°58'51" ♄	-20°33'12"	00°00'00"	-00°04'08"	0.002
26/02/2031 00:00:00	♃	12°42'14" ♄	13°51'13"	-01°52'55"	00°02'04"	17.207
26/02/2031 00:00:00	♃	00°51'54" ♄	20°58'58"	-02°26'54"	00°06'39"	0.003
26/02/2031 00:00:00	T♄	01°58'51" ♄	-20°33'12"	00°00'00"	-00°04'08"	0.002
26/02/2031 00:00:00	T♄	07°37'42" ♄	20°16'43"	-02°56'26"	-03°09'55"	0.003

Ephemerides year 2031

26/02/2031 00:00:00	X	25°57'00" ♃	01°11'50"	-09°27'27"	00°00'26"	95.692
26/02/2031 00:00:00	Y	04°02'35" ♃	09°23'55"	-11°44'45"	00°00'07"	81.804
27/02/2031 00:00:00	☉	08°11'28" ♃	-08°29'46"	00°00'00"	01°00'19"	0.990
27/02/2031 00:00:00	☾	14°12'09" ♃	17°34'04"	01°32'25"	12°20'18"	0.003
27/02/2031 00:00:00	♀	13°43'44" ♃	-07°42'56"	-01°25'41"	01°53'58"	1.328
27/02/2031 00:00:00	♀	08°49'03" ♃	02°49'44"	-00°43'28"	01°13'24"	1.369
27/02/2031 00:00:00	♂	16°52'18" ♃	-15°05'43"	01°51'10"	00°17'23"	0.989
27/02/2031 00:00:00	♃	25°39'53" ♃	-22°49'37"	00°32'11"	00°07'56"	5.529
27/02/2031 00:00:00	♃	02°34'16" ♃	18°56'57"	-01°45'15"	00°02'44"	9.099
27/02/2031 00:00:00	♃	18°50'22" ♃	23°04'05"	00°06'11"	00°00'04"	18.933
27/02/2031 00:00:00	♃	11°46'58" ♃	03°16'36"	-01°30'01"	00°01'57"	30.670
27/02/2031 00:00:00	♃	12°25'40" ♃	-22°58'43"	-06°09'55"	00°01'42"	37.627
27/02/2031 00:00:00	♃	01°55'56" ♃	-20°32'37"	00°00'00"	-00°01'47"	0.002
27/02/2031 00:00:00	♃	12°44'20" ♃	13°51'52"	-01°52'53"	00°02'07"	17.221
27/02/2031 00:00:00	♃	00°58'33" ♃	20°58'09"	-02°27'41"	00°06'39"	0.003
27/02/2031 00:00:00	T♃	01°55'56" ♃	-20°32'37"	00°00'00"	-00°01'47"	0.002
27/02/2031 00:00:00	T♃	04°47'21" ♃	20°36'22"	-02°44'34"	-02°28'54"	0.003
27/02/2031 00:00:00	X	25°57'27" ♃	01°12'05"	-09°27'21"	00°00'27"	95.705
27/02/2031 00:00:00	Y	04°02'43" ♃	09°24'06"	-11°44'36"	00°00'08"	81.820

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28/02/2031 00:00:00	☉	09°11'46" ♈	-08°07'12"	00°00'00"	01°00'17"	0.990
28/02/2031 00:00:00	☾	26°23'58" ♉	19°49'04"	00°29'13"	12°04'10"	0.003
28/02/2031 00:00:00	♁	15°37'53" ♈	-06°52'24"	-01°18'43"	01°54'17"	1.316
28/02/2031 00:00:00	♂	10°02'27" ♈	03°20'58"	-00°40'51"	01°13'21"	1.364
28/02/2031 00:00:00	♂	17°09'28" ♎	-15°10'40"	01°51'02"	00°16'57"	0.979
28/02/2031 00:00:00	♃	25°47'44" ♈	-22°49'52"	00°32'10"	00°07'47"	5.513
28/02/2031 00:00:00	♄	02°37'04" ♈	18°57'45"	-01°45'00"	00°02'51"	9.115
28/02/2031 00:00:00	♅	18°50'29" ♈	23°04'06"	00°06'11"	00°00'08"	18.950
28/02/2031 00:00:00	♆	11°48'56" ♈	03°17'23"	-01°30'00"	00°01'58"	30.680
28/02/2031 00:00:00	♇	12°27'22" ♁	-22°58'22"	-06°10'03"	00°01'41"	37.621
28/02/2031 00:00:00	♈	01°54'58" ♈	-20°32'25"	00°00'00"	-00°00'18"	0.002
28/02/2031 00:00:00	♉	12°46'29" ♉	13°52'32"	-01°52'52"	00°02'10"	17.236
28/02/2031 00:00:00	♊	01°05'13" ♉	20°57'19"	-02°28'27"	00°06'39"	0.003
28/02/2031 00:00:00	T♈	01°54'58" ♈	-20°32'25"	00°00'00"	-00°00'18"	0.002
28/02/2031 00:00:00	T♉	02°40'52" ♉	20°49'03"	-02°35'23"	-01°44'48"	0.003
28/02/2031 00:00:00	X	25°57'54" ♈	01°12'21"	-09°27'14"	00°00'27"	95.717
28/02/2031 00:00:00	Y	04°02'52" ♈	09°24'16"	-11°44'27"	00°00'09"	81.837
01/03/2031 00:00:00	☉	10°12'02" ♈	-07°44'30"	00°00'00"	01°00'15"	0.991
01/03/2031 00:00:00	☾	08°22'18" ♈	21°08'02"	-00°34'11"	11°53'24"	0.003

Ephemerides year 2031

01/03/2031 00:00:00	♀	17°32'16" ♋	-06°00'54"	-01°11'09"	01°54'26"	1.303
01/03/2031 00:00:00	♀	11°15'46" ♏	03°52'09"	-00°38'10"	01°13'17"	1.358
01/03/2031 00:00:00	♂	17°26'13" ♎	-15°15'30"	01°50'53"	00°16'31"	0.970
01/03/2031 00:00:00	♃	25°55'28" ♈	-22°50'07"	00°32'10"	00°07'39"	5.498
01/03/2031 00:00:00	♅	02°39'58" ♊	18°58'34"	-01°44'44"	00°02'57"	9.132
01/03/2031 00:00:00	♁	18°50'39" ♊	23°04'07"	00°06'12"	00°00'11"	18.967
01/03/2031 00:00:00	♃	11°50'56" ♏	03°18'11"	-01°29'58"	00°01'59"	30.689
01/03/2031 00:00:00	♁	12°29'03" ♎	-22°58'01"	-06°10'12"	00°01'40"	37.614
01/03/2031 00:00:00	♁	01°54'56" ♈	-20°32'25"	00°00'00"	00°00'03"	0.002
01/03/2031 00:00:00	♃	12°48'42" ♏	13°53'13"	-01°52'51"	00°02'13"	17.250
01/03/2031 00:00:00	♁	01°11'53" ♎	20°56'29"	-02°29'14"	00°06'39"	0.003
01/03/2031 00:00:00	T♁	01°54'56" ♈	-20°32'25"	00°00'00"	00°00'03"	0.002
01/03/2031 00:00:00	T♁	01°14'17" ♎	20°56'51"	-02°28'51"	-01°10'47"	0.003
01/03/2031 00:00:00	X	25°58'22" ♏	01°12'37"	-09°27'08"	00°00'28"	95.730
01/03/2031 00:00:00	Y	04°03'02" ♊	09°24'27"	-11°44'18"	00°00'10"	81.853
02/03/2031 00:00:00	♁	11°12'17" ♋	-07°21'42"	-00°00'00"	01°00'13"	0.991
02/03/2031 00:00:00	♃	20°12'40" ♊	21°29'11"	-01°35'26"	11°48'14"	0.003
02/03/2031 00:00:00	♀	19°26'43" ♋	-05°08'34"	-01°02'58"	01°54'24"	1.289
02/03/2031 00:00:00	♀	12°29'02" ♏	04°23'15"	-00°35'27"	01°13'14"	1.353

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02/03/2031 00:00:00	♂	17°42'32" ♎	-15°20'12"	01°50'43"	00°16'05"	0.960
02/03/2031 00:00:00	♃	26°03'04" ♈	-22°50'21"	00°32'10"	00°07'31"	5.482
02/03/2031 00:00:00	♅	02°42'58" ♊	18°59'24"	-01°44'29"	00°03'03"	9.148
02/03/2031 00:00:00	♁	18°50'52" ♋	23°04'08"	00°06'12"	00°00'14"	18.984
02/03/2031 00:00:00	♆	11°52'56" ♉	03°18'59"	-01°29'57"	00°02'00"	30.699
02/03/2031 00:00:00	♁	12°30'43" ♋	-22°57'40"	-06°10'21"	00°01'40"	37.606
02/03/2031 00:00:00	♁	01°54'41" ♈	-20°32'22"	00°00'00"	-00°00'44"	0.002
02/03/2031 00:00:00	♃	12°50'57" ♈	13°53'55"	-01°52'50"	00°02'16"	17.264
02/03/2031 00:00:00	♁	01°18'33" ♋	20°55'39"	-02°30'00"	00°06'39"	0.003
02/03/2031 00:00:00	T♁	01°54'41" ♈	-20°32'22"	00°00'00"	-00°00'44"	0.002
02/03/2031 00:00:00	T♁	00°13'30" ♋	21°01'54"	-02°24'07"	-00°53'55"	0.003
02/03/2031 00:00:00	X	25°58'50" ♉	01°12'53"	-09°27'01"	00°00'28"	95.742
02/03/2031 00:00:00	Y	04°03'13" ♋	09°24'38"	-11°44'09"	00°00'11"	81.869
03/03/2031 00:00:00	♁	12°12'29" ♋	-06°58'47"	-00°00'00"	01°00'11"	0.991
03/03/2031 00:00:00	♁	02°00'37" ♋	20°52'47"	-02°32'21"	11°48'32"	0.003
03/03/2031 00:00:00	♁	21°21'02" ♋	-04°15'31"	-00°54'11"	01°54'09"	1.274
03/03/2031 00:00:00	♀	13°42'15" ♉	04°54'15"	-00°32'40"	01°13'10"	1.348
03/03/2031 00:00:00	♂	17°58'23" ♎	-15°24'46"	01°50'32"	00°15'37"	0.951
03/03/2031 00:00:00	♃	26°10'31" ♈	-22°50'34"	00°32'09"	00°07'23"	5.466

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03/03/2031 00:00:00	♃	02°46'04" ♀	19°00'15"	-01°44'13"	00°03'09"	9.165
03/03/2031 00:00:00	♃	18°51'08" ♀	23°04'10"	00°06'12"	00°00'17"	19.000
03/03/2031 00:00:00	♃	11°54'57" ♀	03°19'47"	-01°29'56"	00°02'01"	30.707
03/03/2031 00:00:00	♃	12°32'23" ♀	-22°57'20"	-06°10'30"	00°01'39"	37.599
03/03/2031 00:00:00	♃	01°53'07" ♀	-20°32'03"	00°00'00"	-00°02'32"	0.002
03/03/2031 00:00:00	♃	12°53'15" ♀	13°54'37"	-01°52'49"	00°02'19"	17.278
03/03/2031 00:00:00	♃	01°25'13" ♀	20°54'49"	-02°30'46"	00°06'39"	0.003
03/03/2031 00:00:00	♃	01°53'07" ♀	-20°32'03"	00°00'00"	-00°02'32"	0.002
03/03/2031 00:00:00	♃	29°20'07" ♀	21°06'00"	-02°19'56"	-00°55'52"	0.003
03/03/2031 00:00:00	X	25°59'19" ♀	01°13'09"	-09°26'55"	00°00'29"	95.754
03/03/2031 00:00:00	Y	04°03'25" ♀	09°24'49"	-11°44'00"	00°00'11"	81.885
04/03/2031 00:00:00	♃	13°12'39" ♀	-06°35'47"	-00°00'00"	01°00'09"	0.991
04/03/2031 00:00:00	♃	13°51'26" ♀	19°21'00"	-03°22'51"	11°53'51"	0.003
04/03/2031 00:00:00	♃	23°14'57" ♀	-03°21'54"	-00°44'47"	01°53'38"	1.257
04/03/2031 00:00:00	♃	14°55'23" ♀	05°25'09"	-00°29'51"	01°13'06"	1.343
04/03/2031 00:00:00	♃	18°13'47" ♀	-15°29'12"	01°50'19"	00°15'10"	0.942
04/03/2031 00:00:00	♃	26°17'50" ♀	-22°50'47"	00°32'09"	00°07'14"	5.451
04/03/2031 00:00:00	♃	02°49'17" ♀	19°01'07"	-01°43'58"	00°03'15"	9.181
04/03/2031 00:00:00	♃	18°51'28" ♀	23°04'12"	00°06'12"	00°00'21"	19.017

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04/03/2031 00:00:00	♁	11°56'59"	♄	03°20'36"	-01°29'55"	00°02'02"	30.716
04/03/2031 00:00:00	♁	12°34'02"	♁	-22°57'00"	-06°10'39"	00°01'38"	37.591
04/03/2031 00:00:00	♁	01°49'22"	♄	-20°31'18"	00°00'00"	-00°05'02"	0.002
04/03/2031 00:00:00	♁	12°55'36"	♄	13°55'20"	-01°52'48"	00°02'22"	17.292
04/03/2031 00:00:00	♁	01°31'52"	♁	20°53'58"	-02°31'33"	00°06'39"	0.003
04/03/2031 00:00:00	T♁	01°49'22"	♄	-20°31'18"	00°00'00"	-00°05'02"	0.002
04/03/2031 00:00:00	T♁	28°16'25"	♄	21°10'20"	-02°15'02"	-01°13'41"	0.003
04/03/2031 00:00:00	X	25°59'48"	♄	01°13'25"	-09°26'49"	00°00'29"	95.765
04/03/2031 00:00:00	Y	04°03'37"	♄	09°25'00"	-11°43'51"	00°00'12"	81.902
05/03/2031 00:00:00	♁	14°12'47"	♄	-06°12'41"	-00°00'00"	01°00'07"	0.992
05/03/2031 00:00:00	♁	25°49'46"	♁	16°57'44"	-04°04'54"	12°03'27"	0.003
05/03/2031 00:00:00	♁	25°08'12"	♄	-02°27'52"	-00°34'48"	01°52'49"	1.239
05/03/2031 00:00:00	♁	16°08'28"	♄	05°55'56"	-00°26'59"	01°13'02"	1.337
05/03/2031 00:00:00	♁	18°28'43"	♄	-15°33'30"	01°50'06"	00°14'41"	0.932
05/03/2031 00:00:00	♁	26°25'01"	♄	-22°50'59"	00°32'09"	00°07'06"	5.435
05/03/2031 00:00:00	♁	02°52'35"	♄	19°02'00"	-01°43'43"	00°03'21"	9.197
05/03/2031 00:00:00	♁	18°51'50"	♄	23°04'14"	00°06'13"	00°00'24"	19.034
05/03/2031 00:00:00	♁	11°59'02"	♄	03°21'25"	-01°29'53"	00°02'03"	30.724
05/03/2031 00:00:00	♁	12°35'40"	♁	-22°56'41"	-06°10'49"	00°01'37"	37.583

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05/03/2031 00:00:00	♏	01°42'57"	-20°30'01"	00°00'00"	-00°07'47"	0.002
05/03/2031 00:00:00	♋	12°58'00"	13°56'04"	-01°52'47"	00°02'25"	17.306
05/03/2031 00:00:00	♌	01°38'32"	20°53'07"	-02°32'19"	00°06'39"	0.003
05/03/2031 00:00:00	T♏	01°42'57"	-20°30'01"	00°00'00"	-00°07'47"	0.002
05/03/2031 00:00:00	T♌	26°50'05"	21°15'19"	-02°08'28"	-01°39'15"	0.003
05/03/2031 00:00:00	X	26°00'18"	01°13'42"	-09°26'42"	00°00'29"	95.777
05/03/2031 00:00:00	Y	04°03'50"	09°25'11"	-11°43'42"	00°00'13"	81.918
06/03/2031 00:00:00	♍	15°12'53"	-05°49'30"	-00°00'00"	01°00'05"	0.992
06/03/2031 00:00:00	♎	07°59'27"	13°48'33"	-04°36'31"	12°16'20"	0.003
06/03/2031 00:00:00	♏	27°00'29"	-01°33'37"	-00°24'15"	01°51'39"	1.220
06/03/2031 00:00:00	♎	17°21'28"	06°26'35"	-00°24'05"	01°12'58"	1.332
06/03/2031 00:00:00	♏	18°43'10"	-15°37'41"	01°49'52"	00°14'12"	0.923
06/03/2031 00:00:00	♌	26°32'03"	-22°51'11"	00°32'09"	00°06'57"	5.419
06/03/2031 00:00:00	♎	02°55'59"	19°02'53"	-01°43'28"	00°03'26"	9.214
06/03/2031 00:00:00	♏	18°52'16"	23°04'16"	00°06'13"	00°00'27"	19.051
06/03/2031 00:00:00	♏	12°01'06"	03°22'14"	-01°29'52"	00°02'04"	30.733
06/03/2031 00:00:00	♏	12°37'17"	-22°56'22"	-06°10'58"	00°01'36"	37.575
06/03/2031 00:00:00	♏	01°33'52"	-20°28'11"	00°00'00"	-00°10'18"	0.002
06/03/2031 00:00:00	♋	13°00'26"	13°56'49"	-01°52'46"	00°02'28"	17.319

Ephemerides year 2031

06/03/2031 00:00:00	☾	01°45'12" ♉	20°52'16"	-02°33'05"	00°06'39"	0.003
06/03/2031 00:00:00	♁	01°33'52" ♉	-20°28'11"	00°00'00"	-00°10'18"	0.002
06/03/2031 00:00:00	♁	24°59'52" ♉	21°20'16"	-02°00'11"	-01°58'46"	0.003
06/03/2031 00:00:00	X	26°00'48" ♉	01°13'58"	-09°26'36"	00°00'30"	95.788
06/03/2031 00:00:00	Y	04°04'04" ♉	09°25'22"	-11°43'33"	00°00'14"	81.934
07/03/2031 00:00:00	☉	16°12'57" ♉	-05°26'14"	-00°00'00"	01°00'03"	0.992
07/03/2031 00:00:00	☾	20°23'10" ♉	10°00'30"	-04°55'46"	12°31'20"	0.003
07/03/2031 00:00:00	♀	28°51'25" ♉	-00°39'21"	-00°13'10"	01°50'07"	1.200
07/03/2031 00:00:00	♀	18°34'25" ♉	06°57'06"	-00°21'08"	01°12'54"	1.326
07/03/2031 00:00:00	♂	18°57'08" ♉	-15°41'43"	01°49'36"	00°13'43"	0.914
07/03/2031 00:00:00	♂	26°38'56" ♉	-22°51'22"	00°32'08"	00°06'48"	5.403
07/03/2031 00:00:00	♃	02°59'29" ♉	19°03'48"	-01°43'13"	00°03'32"	9.230
07/03/2031 00:00:00	♃	18°52'45" ♉	23°04'19"	00°06'13"	00°00'30"	19.068
07/03/2031 00:00:00	♃	12°03'11" ♉	03°23'04"	-01°29'51"	00°02'05"	30.740
07/03/2031 00:00:00	♃	12°38'53" ♉	-22°56'03"	-06°11'08"	00°01'35"	37.567
07/03/2031 00:00:00	♁	01°22'33" ♉	-20°25'54"	00°00'00"	-00°12'09"	0.002
07/03/2031 00:00:00	♃	13°02'56" ♉	13°57'35"	-01°52'45"	00°02'30"	17.333
07/03/2031 00:00:00	☾	01°51'52" ♉	20°51'24"	-02°33'51"	00°06'39"	0.003
07/03/2031 00:00:00	♁	01°22'33" ♉	-20°25'54"	00°00'00"	-00°12'09"	0.002

Ephemerides year 2031

07/03/2031 00:00:00	T♄	23°00'10" ♀	21°23'49"	-01°51'16"	-01°55'35"	0.003
07/03/2031 00:00:00	X	26°01'19" ♀	01°14'14"	-09°26'30"	00°00'30"	95.799
07/03/2031 00:00:00	Y	04°04'18" ♀	09°25'33"	-11°43'24"	00°00'14"	81.950
08/03/2031 00:00:00	☉	17°12'59" ♀	-05°02'54"	-00°00'00"	01°00'01"	0.992
08/03/2031 00:00:00	☾	03°02'26" ♀	05°42'10"	-05°01'01"	12°47'11"	0.003
08/03/2031 00:00:00	♀	00°40'36" ♀	00°14'41"	-00°01'35"	01°48'10"	1.179
08/03/2031 00:00:00	♀	19°47'18" ♀	07°27'27"	-00°18'08"	01°12'50"	1.321
08/03/2031 00:00:00	♂	19°10'37" ♀	-15°45'38"	01°49'20"	00°13'13"	0.905
08/03/2031 00:00:00	♃	26°45'40" ♀	-22°51'32"	00°32'08"	00°06'39"	5.387
08/03/2031 00:00:00	♅	03°03'04" ♀	19°04'44"	-01°42'58"	00°03'38"	9.246
08/03/2031 00:00:00	♁	18°53'18" ♀	23°04'22"	00°06'13"	00°00'33"	19.085
08/03/2031 00:00:00	♃	12°05'16" ♀	03°23'54"	-01°29'50"	00°02'05"	30.748
08/03/2031 00:00:00	♁	12°40'29" ♀	-22°55'45"	-06°11'18"	00°01'34"	37.558
08/03/2031 00:00:00	♁	01°09'54" ♀	-20°23'19"	00°00'00"	-00°12'57"	0.002
08/03/2031 00:00:00	♃	13°05'28" ♀	13°58'21"	-01°52'44"	00°02'33"	17.346
08/03/2031 00:00:00	♁	01°58'32" ♀	20°50'33"	-02°34'37"	00°06'39"	0.003
08/03/2031 00:00:00	T♁	01°09'54" ♀	-20°23'19"	00°00'00"	-00°12'57"	0.002
08/03/2031 00:00:00	T♄	21°20'10" ♀	21°25'11"	-01°44'05"	-01°18'23"	0.003
08/03/2031 00:00:00	X	26°01'49" ♀	01°14'31"	-09°26'24"	00°00'31"	95.810

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08/03/2031 00:00:00	Y	04°04'33" ♀	09°25'45"	-11°43'15"	00°00'15"	81.966
09/03/2031 00:00:00	☉	18°12'59" ♀	-04°39'30"	-00°00'00"	00°59'59"	0.993
09/03/2031 00:00:00	☾	15°57'26" ♀	01°03'45"	-04°51'07"	13°02'39"	0.003
09/03/2031 00:00:00	♀	02°27'38" ♀	01°08'17"	00°10'27"	01°45'47"	1.156
09/03/2031 00:00:00	♀	21°00'06" ♀	07°57'39"	-00°15'06"	01°12'46"	1.315
09/03/2031 00:00:00	♂	19°23'34" ♀	-15°49'25"	01°49'02"	00°12'42"	0.895
09/03/2031 00:00:00	♃	26°52'16" ♀	-22°51'42"	00°32'08"	00°06'31"	5.371
09/03/2031 00:00:00	♄	03°06'45" ♀	19°05'41"	-01°42'43"	00°03'43"	9.262
09/03/2031 00:00:00	♅	18°53'53" ♀	23°04'25"	00°06'14"	00°00'36"	19.102
09/03/2031 00:00:00	♆	12°07'23" ♀	03°24'44"	-01°29'49"	00°02'06"	30.755
09/03/2031 00:00:00	♇	12°42'03" ♀	-22°55'27"	-06°11'28"	00°01'34"	37.549
09/03/2031 00:00:00	♈	00°57'02" ♀	-20°20'40"	00°00'00"	-00°12'34"	0.002
09/03/2031 00:00:00	♉	13°08'02" ♀	13°59'08"	-01°52'43"	00°02'36"	17.359
09/03/2031 00:00:00	♊	02°05'11" ♀	20°49'41"	-02°35'23"	00°06'39"	0.003
09/03/2031 00:00:00	T♈	00°57'02" ♀	-20°20'40"	00°00'00"	-00°12'34"	0.002
09/03/2031 00:00:00	T♉	20°34'19" ♀	21°24'46"	-01°41'25"	-00°08'48"	0.003
09/03/2031 00:00:00	X	26°02'21" ♀	01°14'47"	-09°26'18"	00°00'31"	95.820
09/03/2031 00:00:00	Y	04°04'49" ♀	09°25'56"	-11°43'06"	00°00'16"	81.982
10/03/2031 00:00:00	☉	19°12'57" ♀	-04°16'02"	-00°00'00"	00°59'57"	0.993

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10/03/2031 00:00:00	♃	29°07'16"	♍	-03°42'46"	-04°25'40"	13°16'43"	0.003
10/03/2031 00:00:00	♆	04°12'01"	♏	02°01'09"	00°22'53"	01°42'54"	1.133
10/03/2031 00:00:00	♀	22°12'50"	♏	08°27'40"	-00°12'02"	01°12'42"	1.310
10/03/2031 00:00:00	♂	19°36'01"	♍	-15°53'04"	01°48'43"	00°12'10"	0.886
10/03/2031 00:00:00	♃	26°58'42"	♏	-22°51'51"	00°32'08"	00°06'22"	5.355
10/03/2031 00:00:00	♃	03°10'32"	♏	19°06'38"	-01°42'28"	00°03'49"	9.278
10/03/2031 00:00:00	♃	18°54'31"	♏	23°04'29"	00°06'14"	00°00'40"	19.119
10/03/2031 00:00:00	♆	12°09'30"	♏	03°25'34"	-01°29'48"	00°02'07"	30.762
10/03/2031 00:00:00	♃	12°43'37"	♏	-22°55'09"	-06°11'38"	00°01'33"	37.540
10/03/2031 00:00:00	♁	00°45'09"	♏	-20°18'13"	00°00'00"	-00°11'00"	0.002
10/03/2031 00:00:00	♃	13°10'40"	♏	13°59'56"	-01°52'43"	00°02'38"	17.372
10/03/2031 00:00:00	♃	02°11'51"	♏	20°48'49"	-02°36'09"	00°06'39"	0.003
10/03/2031 00:00:00	♁	00°45'09"	♏	-20°18'13"	00°00'00"	-00°11'00"	0.002
10/03/2031 00:00:00	♃	21°08'45"	♏	21°23'09"	-01°45'23"	01°19'14"	0.003
10/03/2031 00:00:00	X	26°02'52"	♏	01°15'04"	-09°26'13"	00°00'31"	95.830
10/03/2031 00:00:00	Y	04°05'06"	♏	09°26'08"	-11°42'57"	00°00'16"	81.997
11/03/2031 00:00:00	♁	20°12'54"	♏	-03°52'32"	-00°00'00"	00°59'55"	0.993
11/03/2031 00:00:00	♃	12°30'13"	♏	-08°23'41"	-03°45'15"	13°28'48"	0.003
11/03/2031 00:00:00	♆	05°53'16"	♏	02°53'02"	00°35'39"	01°39'31"	1.108

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11/03/2031 00:00:00	♀	23°25'30"	♏	08°57'30"	-00°08'56"	01°12'37"	1.304
11/03/2031 00:00:00	♂	19°47'56"	♎	-15°56'34"	01°48'23"	00°11'38"	0.877
11/03/2031 00:00:00	♃	27°05'00"	♏	-22°51'59"	00°32'07"	00°06'12"	5.339
11/03/2031 00:00:00	♅	03°14'24"	♏	19°07'37"	-01°42'14"	00°03'55"	9.294
11/03/2031 00:00:00	♁	18°55'13"	♏	23°04'32"	00°06'14"	00°00'43"	19.136
11/03/2031 00:00:00	♃	12°11'37"	♏	03°26'25"	-01°29'47"	00°02'08"	30.769
11/03/2031 00:00:00	♁	12°45'10"	♁	-22°54'52"	-06°11'48"	00°01'32"	37.531
11/03/2031 00:00:00	♁	00°35'19"	♏	-20°16'10"	00°00'00"	-00°08'32"	0.002
11/03/2031 00:00:00	♃	13°13'20"	♏	14°00'44"	-01°52'42"	00°02'41"	17.385
11/03/2031 00:00:00	♁	02°18'31"	♁	20°47'56"	-02°36'55"	00°06'39"	0.003
11/03/2031 00:00:00	T♁	00°35'19"	♏	-20°16'10"	00°00'00"	-00°08'32"	0.002
11/03/2031 00:00:00	T♁	23°12'50"	♏	21°19'11"	-01°56'34"	02°47'27"	0.003
11/03/2031 00:00:00	X	26°03'24"	♏	01°15'21"	-09°26'07"	00°00'32"	95.840
11/03/2031 00:00:00	Y	04°05'23"	♏	09°26'19"	-11°42'49"	00°00'17"	82.013
12/03/2031 00:00:00	♁	21°12'48"	♏	-03°28'58"	-00°00'00"	00°59'53"	0.993
12/03/2031 00:00:00	♁	26°04'10"	♏	-12°43'39"	-02°51'31"	13°38'44"	0.003
12/03/2031 00:00:00	♃	07°30'53"	♏	03°43'36"	00°48'40"	01°35'37"	1.083
12/03/2031 00:00:00	♀	24°38'06"	♏	09°27'08"	-00°05'47"	01°12'33"	1.298
12/03/2031 00:00:00	♂	19°59'19"	♎	-15°59'57"	01°48'01"	00°11'06"	0.869

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12/03/2031 00:00:00	♃	27°11'08" ♄	-22°52'07"	00°32'07"	00°06'03"	5.323
12/03/2031 00:00:00	♅	03°18'22" ♀	19°08'36"	-01°41'59"	00°04'00"	9.310
12/03/2031 00:00:00	♁	18°55'58" ♀	23°04'36"	00°06'14"	00°00'46"	19.152
12/03/2031 00:00:00	♆	12°13'46" ♃	03°27'15"	-01°29'47"	00°02'08"	30.776
12/03/2031 00:00:00	♁	12°46'41" ♁	-22°54'36"	-06°11'59"	00°01'31"	37.521
12/03/2031 00:00:00	♄	00°28'12" ♄♁	-20°14'41"	00°00'00"	-00°05'38"	0.002
12/03/2031 00:00:00	♆	13°16'03" ♃	14°01'33"	-01°52'41"	00°02'44"	17.397
12/03/2031 00:00:00	♁	02°25'11" ♁	20°47'03"	-02°37'40"	00°06'39"	0.003
12/03/2031 00:00:00	♄♁	00°28'12" ♄♁	-20°14'41"	00°00'00"	-00°05'38"	0.002
12/03/2031 00:00:00	♁♃	26°38'01" ♀	21°09'36"	-02°13'54"	03°58'49"	0.003
12/03/2031 00:00:00	X	26°03'57" ♃	01°15'37"	-09°26'01"	00°00'32"	95.850
12/03/2031 00:00:00	Y	04°05'41" ♀	09°26'31"	-11°42'40"	00°00'18"	82.029
13/03/2031 00:00:00	♁	22°12'41" ♁	-03°05'21"	-00°00'00"	00°59'51"	0.994
13/03/2031 00:00:00	♃	09°47'06" ♃	-16°26'15"	-01°47'11"	13°46'50"	0.003
13/03/2031 00:00:00	♁	09°04'22" ♃	04°32'35"	01°01'51"	01°31'13"	1.057
13/03/2031 00:00:00	♁	25°50'38" ♃	09°56'33"	-00°02'37"	01°12'29"	1.292
13/03/2031 00:00:00	♁	20°10'08" ♃	-16°03'11"	01°47'38"	00°10'32"	0.860
13/03/2031 00:00:00	♃	27°17'07" ♄	-22°52'15"	00°32'07"	00°05'54"	5.306
13/03/2031 00:00:00	♅	03°22'26" ♀	19°09'36"	-01°41'45"	00°04'06"	9.326

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13/03/2031 00:00:00	♃	18°56'46" ♀	23°04'40"	00°06'14"	00°00'49"	19.169
13/03/2031 00:00:00	♃	12°15'55" ♀	03°28'06"	-01°29'46"	00°02'09"	30.782
13/03/2031 00:00:00	♃	12°48'12" ♀	-22°54'19"	-06°12'10"	00°01'30"	37.511
13/03/2031 00:00:00	♃	00°23'59" ♀	-20°13'48"	00°00'00"	-00°02'50"	0.002
13/03/2031 00:00:00	♃	13°18'48" ♀	14°02'23"	-01°52'41"	00°02'46"	17.410
13/03/2031 00:00:00	♃	02°31'50" ♀	20°46'11"	-02°38'26"	00°06'39"	0.003
13/03/2031 00:00:00	♃	00°23'59" ♀	-20°13'48"	00°00'00"	-00°02'50"	0.002
13/03/2031 00:00:00	♃	00°59'59" ♀	20°50'53"	-02°34'55"	04°38'45"	0.003
13/03/2031 00:00:00	X	26°04'29" ♀	01°15'54"	-09°25'56"	00°00'33"	95.860
13/03/2031 00:00:00	Y	04°06'00" ♀	09°26'43"	-11°42'31"	00°00'19"	82.044
14/03/2031 00:00:00	♃	23°12'32" ♀	-02°41'43"	00°00'00"	00°59'50"	0.994
14/03/2031 00:00:00	♃	23°37'24" ♀	-19°15'13"	-00°35'51"	13°53'35"	0.002
14/03/2031 00:00:00	♃	10°33'09" ♀	05°19'41"	01°15'06"	01°26'17"	1.030
14/03/2031 00:00:00	♃	27°03'05" ♀	10°25'45"	00°00'34"	01°12'25"	1.287
14/03/2031 00:00:00	♃	20°20'24" ♀	-16°06'18"	01°47'13"	00°09'58"	0.851
14/03/2031 00:00:00	♃	27°22'57" ♀	-22°52'22"	00°32'07"	00°05'45"	5.290
14/03/2031 00:00:00	♃	03°26'35" ♀	19°10'37"	-01°41'30"	00°04'11"	9.341
14/03/2031 00:00:00	♃	18°57'37" ♀	23°04'45"	00°06'15"	00°00'52"	19.186
14/03/2031 00:00:00	♃	12°18'05" ♀	03°28'57"	-01°29'45"	00°02'10"	30.788

Ephemerides year 2031

14/03/2031 00:00:00	♁	12°49'42" ♁	-22°54'03"	-06°12'20"	00°01'29"	37.501
14/03/2031 00:00:00	♁	00°22'18" ⚹	-20°13'27"	00°00'00"	-00°00'40"	0.002
14/03/2031 00:00:00	♁	13°21'36" ⚹	14°03'13"	-01°52'41"	00°02'49"	17.422
14/03/2031 00:00:00	♁	02°38'30" ♁	20°45'17"	-02°39'12"	00°06'39"	0.003
14/03/2031 00:00:00	♁	00°22'18" ⚹	-20°13'27"	00°00'00"	-00°00'40"	0.002
14/03/2031 00:00:00	♁	05°41'17" ♁	20°22'36"	-02°56'15"	04°36'15"	0.003
14/03/2031 00:00:00	X	26°05'03" ⚹	01°16'11"	-09°25'50"	00°00'33"	95.869
14/03/2031 00:00:00	Y	04°06'20" ♁	09°26'55"	-11°42'23"	00°00'20"	82.060
15/03/2031 00:00:00	♁	24°12'22" ⚹	-02°18'03"	00°00'00"	00°59'48"	0.994
15/03/2031 00:00:00	♁	07°33'59" ⚹	-20°56'17"	00°38'16"	13°59'30"	0.002
15/03/2031 00:00:00	♁	11°56'46" ⚹	06°04'37"	01°28'19"	01°20'51"	1.003
15/03/2031 00:00:00	♁	28°15'28" ⚹	10°54'43"	00°03'48"	01°12'21"	1.281
15/03/2031 00:00:00	♁	20°30'04" ♁	-16°09'16"	01°46'47"	00°09'23"	0.842
15/03/2031 00:00:00	♁	27°28'38" ⚹	-22°52'29"	00°32'07"	00°05'35"	5.274
15/03/2031 00:00:00	♁	03°30'49" ♁	19°11'39"	-01°41'16"	00°04'17"	9.357
15/03/2031 00:00:00	♁	18°58'31" ♁	23°04'50"	00°06'15"	00°00'55"	19.203
15/03/2031 00:00:00	♁	12°20'15" ⚹	03°29'49"	-01°29'44"	00°02'10"	30.794
15/03/2031 00:00:00	♁	12°51'11" ♁	-22°53'48"	-06°12'31"	00°01'28"	37.491
15/03/2031 00:00:00	♁	00°22'16" ⚹	-20°13'27"	00°00'00"	00°00'25"	0.002

Ephemerides year 2031

15/03/2031 00:00:00	♄	13°24'26"	♏	14°04'04"	-01°52'40"	00°02'51"	17.434
15/03/2031 00:00:00	♁	02°45'10"	♉	20°44'24"	-02°39'57"	00°06'39"	0.003
15/03/2031 00:00:00	♄♁	00°22'16"	♏♏	-20°13'27"		00°00'00" 00°00'25"	0.002
15/03/2031 00:00:00	♄♁	09°58'07"	♉♉	19°49'33"	-03°14'33"	03°51'25"	0.003
15/03/2031 00:00:00	X	26°05'36"	♏	01°16'28"	-09°25'45"	00°00'33"	95.878
15/03/2031 00:00:00	Y	04°06'40"	♁	09°27'07"	-11°42'14"	00°00'20"	82.075
16/03/2031 00:00:00	♁	25°12'10"	♏	-01°54'21"	00°00'00"	00°59'47"	0.995
16/03/2031 00:00:00	♁	21°36'13"	♏♏	-21°19'39"	01°50'39"	14°04'50"	0.002
16/03/2031 00:00:00	♁	13°14'43"	♏	06°47'05"	01°41'24"	01°14'57"	0.975
16/03/2031 00:00:00	♁	29°27'47"	♏	11°23'26"	00°07'04"	01°12'16"	1.275
16/03/2031 00:00:00	♁	20°39'10"	♏♏	-16°12'06"	01°46'20"	00°08'47"	0.834
16/03/2031 00:00:00	♁	27°34'09"	♏♏	-22°52'35"	00°32'07"	00°05'26"	5.258
16/03/2031 00:00:00	♁	03°35'09"	♁	19°12'42"	-01°41'02"	00°04'22"	9.372
16/03/2031 00:00:00	♁	18°59'29"	♁	23°04'54"	00°06'15"	00°00'58"	19.220
16/03/2031 00:00:00	♁	12°22'26"	♏	03°30'40"	-01°29'44"	00°02'11"	30.799
16/03/2031 00:00:00	♁	12°52'39"	♏	-22°53'32"	-06°12'42"	00°01'27"	37.480
16/03/2031 00:00:00	♁	00°22'43"	♏♏	-20°13'32"	00°00'00"	00°00'16"	0.002
16/03/2031 00:00:00	♁	13°27'19"	♏	14°04'56"	-01°52'40"	00°02'54"	17.446
16/03/2031 00:00:00	♁	02°51'50"	♉	20°43'30"	-02°40'42"	00°06'40"	0.003

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16/03/2031 00:00:00	T♄	00°22'43" ♄	-20°13'32"	00°00'00"	00°00'16"	0.002
16/03/2031 00:00:00	T♄	13°16'54" ♄	19°19'24"	-03°27'53"	02°45'27"	0.003
16/03/2031 00:00:00	X	26°06'10" ♄	01°16'44"	-09°25'39"	00°00'34"	95.887
16/03/2031 00:00:00	Y	04°07'01" ♄	09°27'19"	-11°42'05"	00°00'21"	82.090
17/03/2031 00:00:00	♁	26°11'56" ♄	-01°30'38"	00°00'00"	00°59'45"	0.995
17/03/2031 00:00:00	♂	05°43'26" ♄	-20°22'03"	02°56'43"	14°09'26"	0.002
17/03/2031 00:00:00	♀	14°26'32" ♄	07°26'50"	01°54'13"	01°08'36"	0.948
17/03/2031 00:00:00	♀	00°40'02" ♄	11°51'53"	00°10'21"	01°12'12"	1.269
17/03/2031 00:00:00	♂	20°47'39" ♄	-16°14'48"	01°45'51"	00°08'10"	0.825
17/03/2031 00:00:00	♂	27°39'30" ♄	-22°52'41"	00°32'06"	00°05'16"	5.242
17/03/2031 00:00:00	♂	03°39'34" ♄	19°13'45"	-01°40'48"	00°04'27"	9.388
17/03/2031 00:00:00	♂	19°00'29" ♄	23°05'00"	00°06'15"	00°01'02"	19.237
17/03/2031 00:00:00	♂	12°24'38" ♄	03°31'32"	-01°29'43"	00°02'11"	30.804
17/03/2031 00:00:00	♂	12°54'06" ♄	-22°53'18"	-06°12'53"	00°01'26"	37.469
17/03/2031 00:00:00	♁	00°22'25" ♄	-20°13'29"	00°00'00"	-00°01'04"	0.002
17/03/2031 00:00:00	♂	13°30'15" ♄	14°05'49"	-01°52'40"	00°02'56"	17.457
17/03/2031 00:00:00	♂	02°58'30" ♄	20°42'36"	-02°41'28"	00°06'40"	0.003
17/03/2031 00:00:00	T♄	00°22'25" ♄	-20°13'29"	00°00'00"	-00°01'04"	0.002
17/03/2031 00:00:00	T♄	15°33'49" ♄	18°56'24"	-03°36'35"	01°53'10"	0.003

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17/03/2031 00:00:00	X	26°06'45" ♀	01°17'01"	-09°25'34"	00°00'34"	95.896
17/03/2031 00:00:00	Y	04°07'23" ♀	09°27'31"	-11°41'57"	00°00'22"	82.106
18/03/2031 00:00:00	♁	27°11'40" ♀	-01°06'54"	00°00'00"	00°59'43"	0.995
18/03/2031 00:00:00	♂	19°54'38" ♀	-18°07'40"	03°52'12"	14°12'37"	0.002
18/03/2031 00:00:00	♀	15°31'48" ♀	08°03'36"	02°06'40"	01°01'51"	0.920
18/03/2031 00:00:00	♊	01°52'12" ♀	12°20'05"	00°13'39"	01°12'07"	1.263
18/03/2031 00:00:00	♋	20°55'31" ♀	-16°17'21"	01°45'20"	00°07'33"	0.817
18/03/2031 00:00:00	♌	27°44'42" ♀	-22°52'47"	00°32'06"	00°05'06"	5.226
18/03/2031 00:00:00	♍	03°44'04" ♀	19°14'49"	-01°40'34"	00°04'32"	9.403
18/03/2031 00:00:00	♎	19°01'33" ♀	23°05'05"	00°06'16"	00°01'05"	19.254
18/03/2031 00:00:00	♏	12°26'50" ♀	03°32'24"	-01°29'43"	00°02'12"	30.809
18/03/2031 00:00:00	♐	12°55'31" ♀	-22°53'03"	-06°13'05"	00°01'25"	37.459
18/03/2031 00:00:00	♑	00°20'18" ♀	-20°13'02"	00°00'00"	-00°03'15"	0.002
18/03/2031 00:00:00	♒	13°33'12" ♀	14°06'41"	-01°52'40"	00°02'58"	17.469
18/03/2031 00:00:00	♓	03°05'10" ♀	20°41'42"	-02°42'13"	00°06'40"	0.003
18/03/2031 00:00:00	T♁	00°20'18" ♀	-20°13'02"	00°00'00"	-00°03'15"	0.002
18/03/2031 00:00:00	T♂	17°14'23" ♀	18°38'23"	-03°42'45"	01°33'03"	0.003
18/03/2031 00:00:00	X	26°07'19" ♀	01°17'18"	-09°25'29"	00°00'34"	95.904
18/03/2031 00:00:00	Y	04°07'46" ♀	09°27'43"	-11°41'48"	00°00'22"	82.121

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19/03/2031 00:00:00	♃	28°11'23"	♈	-00°43'10"	00°00'00"	00°59'41"	0.995
19/03/2031 00:00:00	♄	04°07'53"	♈	-14°47'16"	04°33'28"	14°13'23"	0.002
19/03/2031 00:00:00	♅	16°30'08"	♈	08°37'08"	02°18'37"	00°54'45"	0.893
19/03/2031 00:00:00	♆	03°04'17"	♈	12°47'59"	00°16'58"	01°12'03"	1.257
19/03/2031 00:00:00	♇	21°02'45"	♈	-16°19'46"	01°44'47"	00°06'55"	0.808
19/03/2031 00:00:00	♈	27°49'44"	♈	-22°52'52"	00°32'06"	00°04'56"	5.209
19/03/2031 00:00:00	♉	03°48'39"	♈	19°15'54"	-01°40'20"	00°04'37"	9.418
19/03/2031 00:00:00	♊	19°02'39"	♈	23°05'11"	00°06'16"	00°01'08"	19.270
19/03/2031 00:00:00	♋	12°29'03"	♈	03°33'16"	-01°29'42"	00°02'12"	30.814
19/03/2031 00:00:00	♌	12°56'56"	♈	-22°52'50"	-06°13'16"	00°01'24"	37.447
19/03/2031 00:00:00	♍	00°15'46"	♈	-20°12'05"	00°00'00"	-00°05'48"	0.002
19/03/2031 00:00:00	♎	13°36'12"	♈	14°07'35"	-01°52'39"	00°03'01"	17.480
19/03/2031 00:00:00	♏	03°11'50"	♈	20°40'48"	-02°42'58"	00°06'39"	0.003
19/03/2031 00:00:00	T♌	00°15'46"	♈	-20°12'05"	00°00'00"	-00°05'48"	0.002
19/03/2031 00:00:00	T♍	18°46'35"	♈	18°20'56"	-03°48'19"	01°32'29"	0.003
19/03/2031 00:00:00	X	26°07'54"	♈	01°17'35"	-09°25'24"	00°00'35"	95.912
19/03/2031 00:00:00	Y	04°08'09"	♈	09°27'55"	-11°41'40"	00°00'23"	82.136
20/03/2031 00:00:00	♃	29°11'04"	♈	-00°19'26"	00°00'00"	00°59'40"	0.996
20/03/2031 00:00:00	♄	18°20'15"	♈	-10°36'06"	04°57'50"	14°10'38"	0.002

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20/03/2031 00:00:00	♀	17°21'13" ♀	09°07'15"	02°29'57"	00°47'21"	0.866
20/03/2031 00:00:00	♀	04°16'18" ♀	13°15'36"	00°20'19"	01°11'58"	1.251
20/03/2031 00:00:00	♂	21°09'21" ♀	-16°22'02"	01°44'13"	00°06'16"	0.800
20/03/2031 00:00:00	♂	27°54'36" ♀	-22°52'57"	00°32'06"	00°04'46"	5.193
20/03/2031 00:00:00	♂	03°53'19" ♀	19°16'59"	-01°40'07"	00°04'42"	9.433
20/03/2031 00:00:00	♂	19°03'49" ♀	23°05'17"	00°06'16"	00°01'11"	19.287
20/03/2031 00:00:00	♂	12°31'16" ♀	03°34'08"	-01°29'42"	00°02'13"	30.818
20/03/2031 00:00:00	♂	12°58'19" ♀	-22°52'36"	-06°13'27"	00°01'22"	37.436
20/03/2031 00:00:00	♂	00°08'46" ♀	-20°10'36"	00°00'00"	-00°08'06"	0.003
20/03/2031 00:00:00	♂	13°39'15" ♀	14°08'29"	-01°52'40"	00°03'03"	17.491
20/03/2031 00:00:00	♂	03°18'30" ♀	20°39'53"	-02°43'43"	00°06'39"	0.003
20/03/2031 00:00:00	♂	00°08'46" ♀	-20°10'36"	00°00'00"	-00°08'06"	0.003
20/03/2031 00:00:00	♂	20°17'43" ♀	18°02'46"	-03°53'49"	01°27'19"	0.003
20/03/2031 00:00:00	X	26°08'30" ♀	01°17'52"	-09°25'19"	00°00'35"	95.920
20/03/2031 00:00:00	Y	04°08'33" ♀	09°28'08"	-11°41'32"	00°00'24"	82.150
21/03/2031 00:00:00	♂	00°10'43" ♀	00°04'16"	00°00'00"	00°59'38"	0.996
21/03/2031 00:00:00	♂	02°27'42" ♀	-05°51'46"	05°03'54"	14°03'30"	0.002
21/03/2031 00:00:00	♀	18°04'46" ♀	09°33'44"	02°40'33"	00°39'42"	0.840
21/03/2031 00:00:00	♀	05°28'14" ♀	13°42'54"	00°23'41"	01°11'53"	1.245

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21/03/2031 00:00:00	♂	21°15'17" ♎	-16°24'09"	01°43'36"	00°05'36"	0.792
21/03/2031 00:00:00	♃	27°59'18" ♈	-22°53'02"	00°32'06"	00°04'36"	5.177
21/03/2031 00:00:00	♅	03°58'05" ♊	19°18'05"	-01°39'53"	00°04'47"	9.448
21/03/2031 00:00:00	♁	19°05'01" ♋	23°05'23"	00°06'16"	00°01'14"	19.304
21/03/2031 00:00:00	♆	12°33'29" ♉	03°35'01"	-01°29'41"	00°02'13"	30.822
21/03/2031 00:00:00	♁	12°59'42" ♋	-22°52'23"	-06°13'39"	00°01'21"	37.425
21/03/2031 00:00:00	♁	29°59'48" ♎	-20°08'43"	00°00'00"	-00°09'39"	0.003
21/03/2031 00:00:00	♃	13°42'19" ♈	14°09'24"	-01°52'40"	00°03'05"	17.502
21/03/2031 00:00:00	♁	03°25'10" ♋	20°38'58"	-02°44'28"	00°06'39"	0.003
21/03/2031 00:00:00	T♁	29°59'48" ♎	-20°08'43"	00°00'00"	-00°09'39"	0.003
21/03/2031 00:00:00	T♁	21°34'24" ♋	17°46'40"	-03°58'32"	01°02'06"	0.003
21/03/2031 00:00:00	X	26°09'05" ♉	01°18'09"	-09°25'14"	00°00'35"	95.928
21/03/2031 00:00:00	Y	04°08'58" ♊	09°28'20"	-11°41'24"	00°00'24"	82.165
22/03/2031 00:00:00	♁	01°10'21" ♉	00°27'59"	00°00'00"	00°59'36"	0.996
22/03/2031 00:00:00	♃	16°25'44" ♈	-00°52'19"	04°51'42"	13°51'46"	0.003
22/03/2031 00:00:00	♁	18°40'34" ♉	09°56'25"	02°50'16"	00°31'52"	0.814
22/03/2031 00:00:00	♀	06°40'06" ♈	14°09'53"	00°27'03"	01°11'49"	1.239
22/03/2031 00:00:00	♂	21°20'34" ♎	-16°26'09"	01°42'58"	00°04'56"	0.784
22/03/2031 00:00:00	♃	28°03'49" ♈	-22°53'06"	00°32'05"	00°04'26"	5.161

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22/03/2031 00:00:00	♃	04°02'55" ♀	19°19'12"	-01°39'39"	00°04'52"	9.463
22/03/2031 00:00:00	♃	19°06'17" ♀	23°05'30"	00°06'17"	00°01'17"	19.320
22/03/2031 00:00:00	♃	12°35'43" ♀	03°35'53"	-01°29'41"	00°02'14"	30.826
22/03/2031 00:00:00	♃	13°01'03" ♀	-22°52'11"	-06°13'51"	00°01'20"	37.413
22/03/2031 00:00:00	♃	29°49'48" ♀	-20°06'35"	00°00'00"	-00°10'08"	0.003
22/03/2031 00:00:00	♃	13°45'26" ♀	14°10'19"	-01°52'40"	00°03'07"	17.513
22/03/2031 00:00:00	♃	03°31'50" ♀	20°38'03"	-02°45'13"	00°06'39"	0.003
22/03/2031 00:00:00	♃	29°49'48" ♀	-20°06'35"	00°00'00"	-00°10'08"	0.003
22/03/2031 00:00:00	♃	22°14'08" ♀	17°37'42"	-04°01'22"	00°13'50"	0.003
22/03/2031 00:00:00	X	26°09'41" ♀	01°18'26"	-09°25'10"	00°00'35"	95.935
22/03/2031 00:00:00	Y	04°09'23" ♀	09°28'32"	-11°41'15"	00°00'25"	82.180
23/03/2031 00:00:00	♃	02°09'56" ♀	00°51'40"	00°00'00"	00°59'34"	0.996
23/03/2031 00:00:00	♃	00°09'52" ♀	04°04'56"	04°22'43"	13°35'53"	0.003
23/03/2031 00:00:00	♃	19°08'29" ♀	10°15'08"	02°59'00"	00°23'56"	0.789
23/03/2031 00:00:00	♃	07°51'53" ♀	14°36'32"	00°30'26"	01°11'44"	1.233
23/03/2031 00:00:00	♃	21°25'10" ♀	-16°27'59"	01°42'18"	00°04'15"	0.776
23/03/2031 00:00:00	♃	28°08'10" ♀	-22°53'10"	00°32'05"	00°04'16"	5.144
23/03/2031 00:00:00	♃	04°07'50" ♀	19°20'20"	-01°39'26"	00°04'57"	9.478
23/03/2031 00:00:00	♃	19°07'36" ♀	23°05'36"	00°06'17"	00°01'20"	19.337

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23/03/2031 00:00:00	♁	12°37'57" ♈	03°36'46"	-01°29'40"	00°02'14"	30.830
23/03/2031 00:00:00	♁	13°02'23" ♎	-22°51'59"	-06°14'03"	00°01'19"	37.401
23/03/2031 00:00:00	♁	29°39'53" ♎	-20°04'29"	00°00'00"	-00°09'29"	0.003
23/03/2031 00:00:00	♁	13°48'35" ♈	14°11'14"	-01°52'40"	00°03'09"	17.523
23/03/2031 00:00:00	♁	03°38'30" ♉	20°37'07"	-02°45'58"	00°06'39"	0.003
23/03/2031 00:00:00	T♁	29°39'53" ♎	-20°04'29"	00°00'00"	-00°09'29"	0.003
23/03/2031 00:00:00	T♁	21°56'37" ♉	17°40'33"	-04°01'15"	-00°50'33"	0.003
23/03/2031 00:00:00	X	26°10'17" ♈	01°18'43"	-09°25'05"	00°00'36"	95.942
23/03/2031 00:00:00	Y	04°09'49" ♉	09°28'45"	-11°41'07"	00°00'26"	82.194
24/03/2031 00:00:00	♁	03°09'29" ♈	01°15'20"	00°00'00"	00°59'32"	0.997
24/03/2031 00:00:00	♁	13°36'31" ♈	08°44'22"	03°39'33"	13°17'02"	0.003
24/03/2031 00:00:00	♁	19°28'26" ♈	10°29'46"	03°06'37"	00°15'57"	0.766
24/03/2031 00:00:00	♁	09°03'34" ♈	15°02'51"	00°33'50"	01°11'39"	1.227
24/03/2031 00:00:00	♁	21°29'06" ♎	-16°29'41"	01°41'35"	00°03'34"	0.768
24/03/2031 00:00:00	♁	28°12'22" ♈	-22°53'13"	00°32'05"	00°04'05"	5.128
24/03/2031 00:00:00	♁	04°12'50" ♉	19°21'28"	-01°39'13"	00°05'02"	9.493
24/03/2031 00:00:00	♁	19°08'57" ♉	23°05'43"	00°06'17"	00°01'23"	19.353
24/03/2031 00:00:00	♁	12°40'12" ♈	03°37'38"	-01°29'40"	00°02'14"	30.833
24/03/2031 00:00:00	♁	13°03'41" ♎	-22°51'47"	-06°14'15"	00°01'18"	37.389

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24/03/2031 00:00:00	♏	29°31'09" ♃	-20°02'36"	00°00'00"	-00°07'51"	0.003
24/03/2031 00:00:00	♋	13°51'45" ♄	14°12'11"	-01°52'40"	00°03'12"	17.534
24/03/2031 00:00:00	♌	03°45'10" ♁	20°36'12"	-02°46'43"	00°06'39"	0.003
24/03/2031 00:00:00	♏	29°31'09" ♃	-20°02'36"	00°00'00"	-00°07'51"	0.003
24/03/2031 00:00:00	♌	20°32'31" ♁	17°56'53"	-03°57'35"	-01°56'19"	0.003
24/03/2031 00:00:00	X	26°10'53" ♄	01°19'00"	-09°25'01"	00°00'36"	95.949
24/03/2031 00:00:00	Y	04°10'15" ♀	09°28'57"	-11°40'59"	00°00'26"	82.208
25/03/2031 00:00:00	♁	04°09'01" ♄	01°38'58"	00°00'00"	00°59'30"	0.997
25/03/2031 00:00:00	♃	26°43'30" ♄	12°52'26"	02°45'33"	12°56'50"	0.003
25/03/2031 00:00:00	♌	19°40'26" ♄	10°40'14"	03°12'59"	00°08'01"	0.743
25/03/2031 00:00:00	♌	10°15'11" ♄	15°28'48"	00°37'15"	01°11'33"	1.221
25/03/2031 00:00:00	♌	21°32'19" ♃	-16°31'14"	01°40'51"	00°02'52"	0.760
25/03/2031 00:00:00	♉	28°16'22" ♀	-22°53'17"	00°32'05"	00°03'55"	5.112
25/03/2031 00:00:00	♌	04°17'55" ♀	19°22'36"	-01°39'00"	00°05'07"	9.507
25/03/2031 00:00:00	♌	19°10'22" ♀	23°05'50"	00°06'17"	00°01'26"	19.370
25/03/2031 00:00:00	♌	12°42'27" ♄	03°38'31"	-01°29'40"	00°02'15"	30.836
25/03/2031 00:00:00	♌	13°04'59" ♁	-22°51'36"	-06°14'27"	00°01'16"	37.376
25/03/2031 00:00:00	♏	29°24'23" ♃	-20°01'09"	00°00'00"	-00°05'36"	0.002
25/03/2031 00:00:00	♋	13°54'59" ♄	14°13'07"	-01°52'41"	00°03'14"	17.544

Ephemerides year 2031

25/03/2031 00:00:00	☾	03°51'50" ♉	20°35'16"	-02°47'27"	00°06'39"	0.003
25/03/2031 00:00:00	♄	29°24'23" ♉	-20°01'09"	00°00'00"	-00°05'36"	0.002
25/03/2031 00:00:00	♄	18°09'48" ♉	18°23'47"	-03°50'22"	-02°44'42"	0.003
25/03/2031 00:00:00	X	26°11'29" ♉	01°19'17"	-09°24'56"	00°00'36"	95.955
25/03/2031 00:00:00	Y	04°10'42" ♉	09°29'10"	-11°40'51"	00°00'27"	82.223
26/03/2031 00:00:00	☉	05°08'30" ♉	02°02'33"	00°00'00"	00°59'28"	0.997
26/03/2031 00:00:00	☾	09°30'21" ♉	16°18'10"	01°44'18"	12°37'03"	0.003
26/03/2031 00:00:00	♀	19°44'33" ♉	10°46'27"	03°18'01"	00°00'13"	0.722
26/03/2031 00:00:00	♀	11°26'42" ♉	15°54'23"	00°40'39"	01°11'28"	1.214
26/03/2031 00:00:00	♂	21°34'51" ♉	-16°32'38"	01°40'04"	00°02'10"	0.752
26/03/2031 00:00:00	♃	28°20'13" ♉	-22°53'20"	00°32'04"	00°03'45"	5.096
26/03/2031 00:00:00	♃	04°23'04" ♉	19°23'46"	-01°38'47"	00°05'11"	9.521
26/03/2031 00:00:00	♃	19°11'49" ♉	23°05'57"	00°06'18"	00°01'28"	19.386
26/03/2031 00:00:00	♃	12°44'42" ♉	03°39'23"	-01°29'40"	00°02'15"	30.839
26/03/2031 00:00:00	♃	13°06'15" ♉	-22°51'26"	-06°14'39"	00°01'15"	37.364
26/03/2031 00:00:00	♄	29°20'00" ♉	-20°00'12"	00°00'00"	-00°03'10"	0.002
26/03/2031 00:00:00	♃	13°58'14" ♉	14°14'04"	-01°52'41"	00°03'16"	17.554
26/03/2031 00:00:00	☾	03°58'30" ♉	20°34'20"	-02°48'12"	00°06'40"	0.003
26/03/2031 00:00:00	♄	29°20'00" ♉	-20°00'12"	00°00'00"	-00°03'10"	0.002

Ephemerides year 2031

26/03/2031 00:00:00	T♄	15°13'44" ♉	18°54'40"	-03°40'36"	-03°01'41"	0.003
26/03/2031 00:00:00	X	26°12'06" ♀	01°19'34"	-09°24'52"	00°00'36"	95.962
26/03/2031 00:00:00	Y	04°11'10" ♀	09°29'22"	-11°40'43"	00°00'28"	82.237
27/03/2031 00:00:00	☉	06°07'57" ♀	02°26'06"	00°00'00"	00°59'25"	0.998
27/03/2031 00:00:00	☾	21°58'19" ♉	18°53'22"	00°39'19"	12°19'17"	0.003
27/03/2031 00:00:00	♁	19°40'58" ♀	10°48'24"	03°21'36"	-00°07'19"	0.702
27/03/2031 00:00:00	♂	12°38'08" ♉	16°19'36"	00°44'04"	01°11'23"	1.208
27/03/2031 00:00:00	♂	21°36'40" ♃	-16°33'53"	01°39'15"	00°01'27"	0.744
27/03/2031 00:00:00	♃	28°23'52" ♉	-22°53'23"	00°32'04"	00°03'34"	5.080
27/03/2031 00:00:00	♄	04°28'18" ♀	19°24'55"	-01°38'34"	00°05'16"	9.536
27/03/2031 00:00:00	♅	19°13'20" ♀	23°06'05"	00°06'18"	00°01'31"	19.402
27/03/2031 00:00:00	♆	12°46'57" ♀	03°40'16"	-01°29'40"	00°02'15"	30.841
27/03/2031 00:00:00	♇	13°07'30" ♁	-22°51'15"	-06°14'52"	00°01'14"	37.351
27/03/2031 00:00:00	♈	29°17'56" ♃	-19°59'45"	00°00'00"	-00°01'01"	0.002
27/03/2031 00:00:00	♉	14°01'31" ♉	14°15'02"	-01°52'42"	00°03'18"	17.563
27/03/2031 00:00:00	♊	04°05'10" ♉	20°33'23"	-02°48'56"	00°06'40"	0.003
27/03/2031 00:00:00	T♈	29°17'56" ♃	-19°59'45"	00°00'00"	-00°01'01"	0.002
27/03/2031 00:00:00	T♄	12°17'07" ♉	19°22'51"	-03°30'00"	-02°47'04"	0.003
27/03/2031 00:00:00	X	26°12'43" ♀	01°19'51"	-09°24'48"	00°00'37"	95.968

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27/03/2031 00:00:00	Y	04°11'39" ♀	09°29'35"	-11°40'36"	00°00'28"	82.251
28/03/2031 00:00:00	☉	07°07'22" ♀	02°49'35"	00°00'00"	00°59'23"	0.998
28/03/2031 00:00:00	☾	04°10'05" ♀	20°32'41"	-00°26'14"	12°04'54"	0.003
28/03/2031 00:00:00	♁	19°29'59" ♀	10°46'05"	03°23'38"	-00°14'33"	0.684
28/03/2031 00:00:00	♂	13°49'29" ♀	16°44'25"	00°47'29"	01°11'17"	1.202
28/03/2031 00:00:00	♂	21°37'46" ♀	-16°35'00"	01°38'23"	00°00'44"	0.737
28/03/2031 00:00:00	♃	28°27'22" ♀	-22°53'26"	00°32'04"	00°03'24"	5.064
28/03/2031 00:00:00	♄	04°33'37" ♀	19°26'06"	-01°38'21"	00°05'20"	9.550
28/03/2031 00:00:00	♅	19°14'53" ♀	23°06'13"	00°06'18"	00°01'34"	19.418
28/03/2031 00:00:00	♆	12°49'13" ♀	03°41'09"	-01°29'40"	00°02'15"	30.843
28/03/2031 00:00:00	♇	13°08'44" ♀	-22°51'06"	-06°15'04"	00°01'13"	37.338
28/03/2031 00:00:00	♈	29°17'45" ♀	-19°59'43"	00°00'00"	00°00'32"	0.002
28/03/2031 00:00:00	♉	14°04'50" ♀	14°16'00"	-01°52'43"	00°03'20"	17.573
28/03/2031 00:00:00	♊	04°11'50" ♀	20°32'26"	-02°49'41"	00°06'40"	0.003
28/03/2031 00:00:00	T♋	29°17'45" ♀	-19°59'43"	00°00'00"	00°00'32"	0.002
28/03/2031 00:00:00	T♌	09°45'48" ♀	19°44'40"	-03°20'20"	-02°13'55"	0.003
28/03/2031 00:00:00	X	26°13'21" ♀	01°20'08"	-09°24'43"	00°00'37"	95.973
28/03/2031 00:00:00	Y	04°12'08" ♀	09°29'47"	-11°40'28"	00°00'29"	82.264
29/03/2031 00:00:00	☉	08°06'44" ♀	03°13'01"	-00°00'00"	00°59'21"	0.998

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29/03/2031 00:00:00	♃	16°09'34" Ⅱ	21°13'41"	-01°29'40"	11°54'50"	0.003
29/03/2031 00:00:00	♁	19°11'59" Ⅱr	10°39'36"	03°24'02"	-00°21'21"	0.667
29/03/2031 00:00:00	♂	15°00'43" Ⅱ	17°08'50"	00°50'54"	01°11'11"	1.195
29/03/2031 00:00:00	♂	21°38'09" Ⅱ	-16°35'58"	01°37'30"	00°00'01"	0.730
29/03/2031 00:00:00	♂	28°30'40" Ⅱ	-22°53'28"	00°32'03"	00°03'13"	5.048
29/03/2031 00:00:00	♂	04°39'00" Ⅱ	19°27'16"	-01°38'09"	00°05'25"	9.564
29/03/2031 00:00:00	♂	19°16'29" Ⅱ	23°06'21"	00°06'18"	00°01'37"	19.434
29/03/2031 00:00:00	♂	12°51'29" Ⅱ	03°42'02"	-01°29'40"	00°02'16"	30.845
29/03/2031 00:00:00	♂	13°09'57" Ⅱ	-22°50'56"	-06°15'17"	00°01'11"	37.325
29/03/2031 00:00:00	♂	29°18'43" Ⅱ	-19°59'55"	00°00'00"	00°01'14"	0.002
29/03/2031 00:00:00	♂	14°08'11" Ⅱ	14°16'58"	-01°52'43"	00°03'21"	17.582
29/03/2031 00:00:00	♂	04°18'30" Ⅱ	20°31'29"	-02°50'25"	00°06'40"	0.003
29/03/2031 00:00:00	♂	29°18'43" Ⅱ	-19°59'55"	00°00'00"	00°01'14"	0.002
29/03/2031 00:00:00	♂	07°49'42" Ⅱ	19°59'57"	-03°12'32"	-01°39'18"	0.003
29/03/2031 00:00:00	X	26°13'58" Ⅱ	01°20'25"	-09°24'39"	00°00'37"	95.979
29/03/2031 00:00:00	Y	04°12'38" Ⅱ	09°30'00"	-11°40'20"	00°00'30"	82.278
30/03/2031 00:00:00	♂	09°06'04" Ⅱ	03°36'24"	-00°00'00"	00°59'19"	0.998
30/03/2031 00:00:00	♃	28°01'26" Ⅱ	20°56'32"	-02°28'37"	11°49'45"	0.003
30/03/2031 00:00:00	♁	18°47'28" Ⅱr	10°29'03"	03°22'45"	-00°27'35"	0.651

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30/03/2031 00:00:00	♀	16°11'52" ♈	17°32'50"	00°54'19"	01°11'06"	1.189
30/03/2031 00:00:00	♂	21°37'48" ♎	-16°36'47"	01°36'34"	-00°00'42"	0.722
30/03/2031 00:00:00	♃	28°33'48" ♈	-22°53'31"	00°32'03"	00°03'02"	5.032
30/03/2031 00:00:00	♅	04°44'28" ♉	19°28'28"	-01°37'56"	00°05'29"	9.578
30/03/2031 00:00:00	♁	19°18'08" ♉	23°06'29"	00°06'18"	00°01'40"	19.450
30/03/2031 00:00:00	♃	12°53'45" ♈	03°42'54"	-01°29'40"	00°02'16"	30.847
30/03/2031 00:00:00	♁	13°11'08" ♁	-22°50'48"	-06°15'30"	00°01'10"	37.312
30/03/2031 00:00:00	♎	29°19'57" ♎	-20°00'11"	00°00'00"	00°01'03"	0.002
30/03/2031 00:00:00	♅	14°11'34" ♈	14°17'57"	-01°52'44"	00°03'23"	17.591
30/03/2031 00:00:00	♃	04°25'10" ♈	20°30'32"	-02°51'09"	00°06'40"	0.003
30/03/2031 00:00:00	T♎	29°19'57" ♎	-20°00'11"	00°00'00"	00°01'03"	0.002
30/03/2031 00:00:00	T♃	06°23'17" ♈	20°10'31"	-03°06'29"	-01°16'09"	0.003
30/03/2031 00:00:00	X	26°14'36" ♈	01°20'42"	-09°24'35"	00°00'37"	95.984
30/03/2031 00:00:00	Y	04°13'09" ♉	09°30'13"	-11°40'13"	00°00'30"	82.291
31/03/2031 00:00:00	♁	10°05'22" ♈	03°59'42"	-00°00'00"	00°59'16"	0.999
31/03/2031 00:00:00	♃	09°50'49" ♈	19°43'38"	-03°21'01"	11°49'54"	0.003
31/03/2031 00:00:00	♃	18°17'01" ♈	10°14'38"	03°19'45"	-00°33'10"	0.637
31/03/2031 00:00:00	♀	17°22'56" ♈	17°56'25"	00°57'44"	01°11'00"	1.182
31/03/2031 00:00:00	♂	21°36'43" ♎	-16°37'26"	01°35'35"	-00°01'27"	0.715

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31/03/2031 00:00:00	♃	28°36'46" ♄	-22°53'33"	00°32'03"	00°02'51"	5.016
31/03/2031 00:00:00	♅	04°50'00" ♀	19°29'39"	-01°37'44"	00°05'34"	9.591
31/03/2031 00:00:00	♁	19°19'50" ♀	23°06'37"	00°06'19"	00°01'43"	19.466
31/03/2031 00:00:00	♆	12°56'01" ♄	03°43'47"	-01°29'40"	00°02'16"	30.848
31/03/2031 00:00:00	♁	13°12'18" ♁	-22°50'39"	-06°15'42"	00°01'09"	37.299
31/03/2031 00:00:00	♁	29°20'33" ♃	-20°00'19"	00°00'00"	00°00'01"	0.002
31/03/2031 00:00:00	♃	14°14'58" ♄	14°18'57"	-01°52'45"	00°03'25"	17.600
31/03/2031 00:00:00	♁	04°31'50" ♁	20°29'35"	-02°51'53"	00°06'40"	0.003
31/03/2031 00:00:00	T♁	29°20'33" ♃	-20°00'19"	00°00'00"	00°00'01"	0.002
31/03/2031 00:00:00	T♁	05°11'15" ♁	20°18'47"	-03°01'16"	-01°11'13"	0.003
31/03/2031 00:00:00	X	26°15'14" ♄	01°20'59"	-09°24'31"	00°00'38"	95.989
31/03/2031 00:00:00	Y	04°13'40" ♀	09°30'25"	-11°40'05"	00°00'31"	82.305
01/04/2031 00:00:00	♁	11°04'38" ♄	04°22'55"	-00°00'00"	00°59'14"	0.999
01/04/2031 00:00:00	♁	21°43'00" ♁	17°38'59"	-04°04'59"	11°55'18"	0.003
01/04/2031 00:00:00	♁	17°41'21" ♄	09°56'35"	03°15'01"	-00°38'00"	0.625
01/04/2031 00:00:00	♁	18°33'53" ♄	18°19'34"	01°01'09"	01°10'53"	1.176
01/04/2031 00:00:00	♁	21°34'54" ♃	-16°37'57"	01°34'34"	-00°02'11"	0.708
01/04/2031 00:00:00	♃	28°39'32" ♄	-22°53'35"	00°32'02"	00°02'41"	5.000
01/04/2031 00:00:00	♅	04°55'36" ♀	19°30'52"	-01°37'31"	00°05'38"	9.605

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01/04/2031 00:00:00	♃	19°21'35" ♀	23°06'46"	00°06'19"	00°01'45"	19.482
01/04/2031 00:00:00	♅	12°58'18" ♂	03°44'40"	-01°29'40"	00°02'16"	30.849
01/04/2031 00:00:00	♆	13°13'26" ♁	-22°50'32"	-06°15'55"	00°01'07"	37.285
01/04/2031 00:00:00	♄	29°19'47" ♎	-20°00'09"	00°00'00"	-00°01'36"	0.002
01/04/2031 00:00:00	♂	14°18'25" ♂	14°19'56"	-01°52'46"	00°03'27"	17.608
01/04/2031 00:00:00	♁	04°38'31" ♁	20°28'37"	-02°52'38"	00°06'40"	0.003
01/04/2031 00:00:00	T♄	29°19'47" ♎	-20°00'09"	00°00'00"	-00°01'36"	0.002
01/04/2031 00:00:00	T♁	03°54'12" ♁	20°27'01"	-02°55'38"	-01°26'01"	0.003
01/04/2031 00:00:00	X	26°15'52" ♂	01°21'16"	-09°24'28"	00°00'38"	95.993
01/04/2031 00:00:00	Y	04°14'12" ♀	09°30'38"	-11°39'58"	00°00'32"	82.318
02/04/2031 00:00:00	☉	12°03'51" ♂	04°46'04"	-00°00'00"	00°59'12"	0.999
02/04/2031 00:00:00	♃	03°43'05" ♎	14°47'50"	-04°38'43"	12°05'36"	0.003
02/04/2031 00:00:00	♁	17°01'16" ♂	09°35'14"	03°08'35"	-00°42'00"	0.614
02/04/2031 00:00:00	♀	19°44'44" ♂	18°42'16"	01°04'32"	01°10'47"	1.169
02/04/2031 00:00:00	♂	21°32'19" ♎	-16°38'19"	01°33'30"	-00°02'56"	0.701
02/04/2031 00:00:00	♃	28°42'08" ♂	-22°53'37"	00°32'02"	00°02'30"	4.984
02/04/2031 00:00:00	♄	05°01'16" ♀	19°32'04"	-01°37'19"	00°05'42"	9.618
02/04/2031 00:00:00	♃	19°23'22" ♀	23°06'55"	00°06'19"	00°01'48"	19.498
02/04/2031 00:00:00	♅	13°00'34" ♂	03°45'33"	-01°29'40"	00°02'16"	30.849

Ephemerides year 2031

02/04/2031 00:00:00	♁	13°14'34" ♁	-22°50'24"	-06°16'08"	00°01'06"	37.272
02/04/2031 00:00:00	♁	29°17'13" ♁	-19°59'36"	00°00'00"	-00°03'32"	0.002
02/04/2031 00:00:00	♁	14°21'53" ♁	14°20'56"	-01°52'47"	00°03'28"	17.616
02/04/2031 00:00:00	♁	04°45'11" ♁	20°27'40"	-02°53'21"	00°06'40"	0.003
02/04/2031 00:00:00	♁	29°17'13" ♁	-19°59'36"	00°00'00"	-00°03'32"	0.002
02/04/2031 00:00:00	♁	02°13'38" ♁	20°36'41"	-02°48'14"	-01°57'18"	0.003
02/04/2031 00:00:00	X	26°16'30" ♁	01°21'33"	-09°24'24"	00°00'38"	95.998
02/04/2031 00:00:00	Y	04°14'44" ♁	09°30'51"	-11°39'51"	00°00'32"	82.331
03/04/2031 00:00:00	♁	13°03'02" ♁	05°09'08"	-00°00'00"	00°59'09"	1.000
03/04/2031 00:00:00	♁	15°55'38" ♁	11°16'21"	-05°00'28"	12°20'08"	0.003
03/04/2031 00:00:00	♁	16°17'39" ♁	09°10'57"	03°00'30"	-00°45'05"	0.605
03/04/2031 00:00:00	♁	20°55'28" ♁	19°04'30"	01°07'56"	01°10'41"	1.163
03/04/2031 00:00:00	♁	21°29'00" ♁	-16°38'32"	01°32'24"	-00°03'42"	0.694
03/04/2031 00:00:00	♁	28°44'33" ♁	-22°53'39"	00°32'01"	00°02'19"	4.969
03/04/2031 00:00:00	♁	05°07'00" ♁	19°33'17"	-01°37'07"	00°05'46"	9.631
03/04/2031 00:00:00	♁	19°25'12" ♁	23°07'04"	00°06'19"	00°01'51"	19.513
03/04/2031 00:00:00	♁	13°02'50" ♁	03°46'25"	-01°29'41"	00°02'16"	30.850
03/04/2031 00:00:00	♁	13°15'39" ♁	-22°50'18"	-06°16'22"	00°01'05"	37.258
03/04/2031 00:00:00	♁	29°12'44" ♁	-19°58'38"	00°00'00"	-00°05'23"	0.002

Ephemerides year 2031

03/04/2031 00:00:00	♄	14°25'22" ♉	14°21'57"	-01°52'48"	00°03'30"	17.625
03/04/2031 00:00:00	♁	04°51'51" ♉	20°26'41"	-02°54'05"	00°06'40"	0.003
03/04/2031 00:00:00	♁♁	29°12'44" ♉♁	-19°58'38"	00°00'00"	-00°05'23"	0.002
03/04/2031 00:00:00	♁♁	29°56'59" ♉♁	20°47'57"	-02°38'05"	-02°36'11"	0.003
03/04/2031 00:00:00	X	26°17'09" ♉	01°21'50"	-09°24'21"	00°00'38"	96.002
03/04/2031 00:00:00	Y	04°15'17" ♉	09°31'04"	-11°39'43"	00°00'33"	82.343
04/04/2031 00:00:00	♁	14°02'11" ♉	05°32'06"	-00°00'00"	00°59'07"	1.000
04/04/2031 00:00:00	♁	28°24'27" ♉	07°11'42"	-05°08'35"	12°37'55"	0.003
04/04/2031 00:00:00	♁	15°31'24" ♉	08°44'10"	02°50'51"	-00°47'13"	0.598
04/04/2031 00:00:00	♁	22°06'06" ♉	19°26'16"	01°11'18"	01°10'34"	1.156
04/04/2031 00:00:00	♁	21°24'55" ♉	-16°38'35"	01°31'15"	-00°04'27"	0.688
04/04/2031 00:00:00	♁	28°46'46" ♉	-22°53'41"	00°32'01"	00°02'08"	4.953
04/04/2031 00:00:00	♁	05°12'49" ♉	19°34'31"	-01°36'55"	00°05'50"	9.644
04/04/2031 00:00:00	♁	19°27'05" ♉	23°07'13"	00°06'20"	00°01'53"	19.529
04/04/2031 00:00:00	♁	13°05'06" ♉	03°47'18"	-01°29'41"	00°02'16"	30.850
04/04/2031 00:00:00	♁	13°16'44" ♉	-22°50'11"	-06°16'35"	00°01'03"	37.244
04/04/2031 00:00:00	♁	29°06'34" ♉	-19°57'17"	00°00'00"	-00°06'50"	0.002
04/04/2031 00:00:00	♁	14°28'54" ♉	14°22'57"	-01°52'50"	00°03'31"	17.632
04/04/2031 00:00:00	♁	04°58'31" ♉	20°25'43"	-02°54'49"	00°06'40"	0.003

Ephemerides year 2031

04/04/2031 00:00:00	T♄	29°06'34" ♍	-19°57'17"	00°00'00"	-00°06'50"	0.002
04/04/2031 00:00:00	T♄	27°03'32" ♍	20°59'10"	-02°24'57"	-03°08'06"	0.003
04/04/2031 00:00:00	X	26°17'47" ♍	01°22'07"	-09°24'17"	00°00'38"	96.005
04/04/2031 00:00:00	Y	04°15'50" ♍	09°31'16"	-11°39'36"	00°00'33"	82.356
05/04/2031 00:00:00	☉	15°01'18" ♍	05°54'58"	-00°00'00"	00°59'05"	1.000
05/04/2031 00:00:00	☾	11°12'08" ♍	02°42'24"	-05°01'44"	12°57'38"	0.003
05/04/2031 00:00:00	☿	14°43'32" ♍	08°15'22"	02°39'44"	-00°48'22"	0.592
05/04/2031 00:00:00	♀	23°16'37" ♌	19°47'34"	01°14'40"	01°10'28"	1.150
05/04/2031 00:00:00	♂	21°20'04" ♍	-16°38'29"	01°30'03"	-00°05'13"	0.681
05/04/2031 00:00:00	♃	28°48'49" ♌	-22°53'43"	00°32'00"	00°01'57"	4.937
05/04/2031 00:00:00	♅	05°18'41" ♍	19°35'45"	-01°36'44"	00°05'54"	9.657
05/04/2031 00:00:00	♁	19°29'00" ♍	23°07'22"	00°06'20"	00°01'56"	19.544
05/04/2031 00:00:00	♆	13°07'22" ♍	03°48'10"	-01°29'41"	00°02'16"	30.850
05/04/2031 00:00:00	♁	13°17'47" ♍	-22°50'05"	-06°16'48"	00°01'02"	37.230
05/04/2031 00:00:00	♁	28°59'18" ♍	-19°55'43"	00°00'00"	-00°07'34"	0.002
05/04/2031 00:00:00	♃	14°32'26" ♌	14°23'58"	-01°52'51"	00°03'33"	17.640
05/04/2031 00:00:00	♁	05°05'11" ♍	20°24'45"	-02°55'33"	00°06'40"	0.003
05/04/2031 00:00:00	T♄	28°59'18" ♍	-19°55'43"	00°00'00"	-00°07'34"	0.002
05/04/2031 00:00:00	T♄	23°48'32" ♍	21°07'38"	-02°09'52"	-03°16'57"	0.003

Ephemerides year 2031

05/04/2031 00:00:00	X	26°18'26" ♄	01°22'23"	-09°24'14"	00°00'38"	96.009
05/04/2031 00:00:00	Y	04°16'24" ♀	09°31'29"	-11°39'29"	00°00'34"	82.368
06/04/2031 00:00:00	☉	16°00'22" ♄	06°17'44"	-00°00'00"	00°59'03"	1.000
06/04/2031 00:00:00	☾	24°19'51" ♃	-02°01'09"	-04°39'02"	13°17'43"	0.003
06/04/2031 00:00:00	♀	13°54'59" ♄	07°45'03"	02°27'19"	-00°48'33"	0.588
06/04/2031 00:00:00	♀	24°27'02" ♂	20°08'22"	01°18'00"	01°10'21"	1.143
06/04/2031 00:00:00	♂	21°14'28" ♃	-16°38'14"	01°28'49"	-00°05'58"	0.675
06/04/2031 00:00:00	♃	28°50'41" ♂	-22°53'44"	00°32'00"	00°01'46"	4.922
06/04/2031 00:00:00	♅	05°24'37" ♀	19°36'59"	-01°36'32"	00°05'58"	9.670
06/04/2031 00:00:00	♁	19°30'58" ♀	23°07'32"	00°06'20"	00°01'59"	19.559
06/04/2031 00:00:00	♃	13°09'38" ♄	03°49'03"	-01°29'41"	00°02'16"	30.849
06/04/2031 00:00:00	♁	13°18'48" ♃	-22°50'00"	-06°17'02"	00°01'00"	37.216
06/04/2031 00:00:00	♁	28°51'43" ♃	-19°54'03"	00°00'00"	-00°07'27"	0.002
06/04/2031 00:00:00	♁	14°36'01" ♂	14°24'59"	-01°52'52"	00°03'34"	17.647
06/04/2031 00:00:00	♁	05°11'51" ♃	20°23'46"	-02°56'17"	00°06'40"	0.003
06/04/2031 00:00:00	T♁	28°51'43" ♃	-19°54'03"	00°00'00"	-00°07'27"	0.002
06/04/2031 00:00:00	T♁	20°40'12" ♃	21°11'36"	-01°55'01"	-02°54'34"	0.003
06/04/2031 00:00:00	X	26°19'04" ♄	01°22'40"	-09°24'10"	00°00'38"	96.012
06/04/2031 00:00:00	Y	04°16'59" ♀	09°31'42"	-11°39'23"	00°00'34"	82.380

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07/04/2031 00:00:00	♁	16°59'24" ♈	06°40'23"	-00°00'00"	00°59'01"	1.001
07/04/2031 00:00:00	♃	07°47'10" ♈	-06°46'11"	-04°00'29"	13°36'33"	0.003
07/04/2031 00:00:00	♆	13°06'42" ♈	07°13'46"	02°13'46"	-00°47'49"	0.586
07/04/2031 00:00:00	♁	25°37'20" ♈	20°28'40"	01°21'19"	01°10'14"	1.136
07/04/2031 00:00:00	♂	21°08'07" ♎	-16°37'49"	01°27'31"	-00°06'44"	0.668
07/04/2031 00:00:00	♃	28°52'22" ♈	-22°53'46"	00°31'59"	00°01'35"	4.906
07/04/2031 00:00:00	♅	05°30'37" ♈	19°38'13"	-01°36'21"	00°06'01"	9.682
07/04/2031 00:00:00	♁	19°32'58" ♈	23°07'41"	00°06'20"	00°02'01"	19.574
07/04/2031 00:00:00	♃	13°11'54" ♈	03°49'55"	-01°29'42"	00°02'15"	30.849
07/04/2031 00:00:00	♁	13°19'49" ♈	-22°49'55"	-06°17'15"	00°00'59"	37.201
07/04/2031 00:00:00	♁	28°44'40" ♎	-19°52'30"	00°00'00"	-00°06'30"	0.002
07/04/2031 00:00:00	♆	14°39'36" ♈	14°26'01"	-01°52'54"	00°03'36"	17.654
07/04/2031 00:00:00	♁	05°18'31" ♈	20°22'47"	-02°57'00"	00°06'40"	0.003
07/04/2031 00:00:00	T♁	28°44'40" ♎	-19°52'30"	00°00'00"	-00°06'30"	0.002
07/04/2031 00:00:00	T♆	18°07'47" ♈	21°11'43"	-01°42'54"	-02°07'24"	0.003
07/04/2031 00:00:00	X	26°19'43" ♈	01°22'57"	-09°24'07"	00°00'38"	96.015
07/04/2031 00:00:00	Y	04°17'34" ♈	09°31'54"	-11°39'16"	00°00'35"	82.392
08/04/2031 00:00:00	♁	17°58'24" ♈	07°02'56"	-00°00'00"	00°58'59"	1.001
08/04/2031 00:00:00	♃	21°32'04" ♈	-11°17'13"	-03°07'17"	13°52'41"	0.003

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08/04/2031 00:00:00	♀	12°19'38" ♏	06°42'01"	01°59'15"	-00°46'11"	0.585
08/04/2031 00:00:00	♀	26°47'31" ♏	20°48'27"	01°24'37"	01°10'07"	1.129
08/04/2031 00:00:00	♂	21°00'59" ♎	-16°37'15"	01°26'11"	-00°07'30"	0.662
08/04/2031 00:00:00	♃	28°53'52" ♏	-22°53'47"	00°31'58"	00°01'24"	4.891
08/04/2031 00:00:00	♃	05°36'40" ♏	19°39'28"	-01°36'09"	00°06'05"	9.695
08/04/2031 00:00:00	♃	19°35'01" ♏	23°07'51"	00°06'21"	00°02'04"	19.589
08/04/2031 00:00:00	♃	13°14'10" ♏	03°50'48"	-01°29'42"	00°02'15"	30.848
08/04/2031 00:00:00	♃	13°20'47" ♏	-22°49'51"	-06°17'29"	00°00'58"	37.187
08/04/2031 00:00:00	♃	28°38'54" ♎	-19°51'15"	00°00'00"	-00°04'54"	0.002
08/04/2031 00:00:00	♃	14°43'14" ♏	14°27'03"	-01°52'56"	00°03'37"	17.661
08/04/2031 00:00:00	♃	05°25'11" ♏	20°21'47"	-02°57'44"	00°06'40"	0.003
08/04/2031 00:00:00	T♃	28°38'54" ♎	-19°51'15"	00°00'00"	-00°04'54"	0.002
08/04/2031 00:00:00	T♃	16°27'57" ♏	21°10'12"	-01°35'02"	-01°12'34"	0.003
08/04/2031 00:00:00	X	26°20'22" ♏	01°23'13"	-09°24'04"	00°00'39"	96.018
08/04/2031 00:00:00	Y	04°18'09" ♏	09°32'07"	-11°39'09"	00°00'35"	82.404
09/04/2031 00:00:00	♃	18°57'22" ♏	07°25'21"	-00°00'00"	00°58'57"	1.001
09/04/2031 00:00:00	♃	05°31'19" ♎	-15°16'28"	-02°01'53"	14°05'06"	0.002
09/04/2031 00:00:00	♀	11°34'35" ♏	06°10'19"	01°43'58"	-00°43'46"	0.585
09/04/2031 00:00:00	♀	27°57'35" ♏	21°07'43"	01°27'54"	01°10'00"	1.123

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09/04/2031 00:00:00	♂	20°53'06" ♍	-16°36'32"	01°24'48"	-00°08'16"	0.656
09/04/2031 00:00:00	♃	28°55'10" ♈	-22°53'48"	00°31'58"	00°01'13"	4.876
09/04/2031 00:00:00	♅	05°42'48" ♊	19°40'43"	-01°35'58"	00°06'09"	9.707
09/04/2031 00:00:00	♁	19°37'07" ♋	23°08'01"	00°06'21"	00°02'06"	19.604
09/04/2031 00:00:00	♆	13°16'26" ♏	03°51'40"	-01°29'43"	00°02'15"	30.846
09/04/2031 00:00:00	♁	13°21'45" ♁	-22°49'47"	-06°17'42"	00°00'56"	37.172
09/04/2031 00:00:00	♁	28°34'58" ♍	-19°50'22"	00°00'00"	-00°02'56"	0.002
09/04/2031 00:00:00	♃	14°46'52" ♈	14°28'05"	-01°52'57"	00°03'39"	17.668
09/04/2031 00:00:00	♁	05°31'51" ♁	20°20'48"	-02°58'27"	00°06'40"	0.003
09/04/2031 00:00:00	T♁	28°34'58" ♍	-19°50'22"	00°00'00"	-00°02'56"	0.002
09/04/2031 00:00:00	T♁	15°39'12" ♋	21°08'51"	-01°31'21"	-00°27'45"	0.003
09/04/2031 00:00:00	X	26°21'01" ♏	01°23'30"	-09°24'01"	00°00'39"	96.020
09/04/2031 00:00:00	Y	04°18'46" ♋	09°32'20"	-11°39'02"	00°00'36"	82.416
10/04/2031 00:00:00	♁	19°56'18" ♏	07°47'39"	00°00'00"	00°58'55"	1.002
10/04/2031 00:00:00	♃	19°40'52" ♍	-18°25'22"	-00°48'05"	14°13'17"	0.002
10/04/2031 00:00:00	♁	10°52'18" ♏	05°39'10"	01°28'06"	-00°40'39"	0.587
10/04/2031 00:00:00	♀	29°07'33" ♈	21°26'27"	01°31'09"	01°09'53"	1.116
10/04/2031 00:00:00	♂	20°44'27" ♍	-16°35'39"	01°23'21"	-00°09'01"	0.650
10/04/2031 00:00:00	♃	28°56'18" ♈	-22°53'49"	00°31'57"	00°01'02"	4.861

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10/04/2031 00:00:00	♃	05°48'59" ♀	19°41'58"	-01°35'47"	00°06'12"	9.719
10/04/2031 00:00:00	♃	19°39'15" ♀	23°08'11"	00°06'21"	00°02'09"	19.619
10/04/2031 00:00:00	♃	13°18'42" ♀	03°52'32"	-01°29'43"	00°02'15"	30.845
10/04/2031 00:00:00	♃	13°22'41" ♀	-22°49'44"	-06°17'56"	00°00'55"	37.158
10/04/2031 00:00:00	♃	28°33'00" ♀	-19°49'56"	00°00'00"	-00°01'00"	0.002
10/04/2031 00:00:00	♃	14°50'32" ♀	14°29'07"	-01°52'59"	00°03'40"	17.674
10/04/2031 00:00:00	♃	05°38'32" ♀	20°19'48"	-02°59'10"	00°06'40"	0.003
10/04/2031 00:00:00	♃	28°33'00" ♀	-19°49'56"	00°00'00"	-00°01'00"	0.002
10/04/2031 00:00:00	♃	15°25'23" ♀	21°08'14"	-01°30'30"	-00°03'45"	0.003
10/04/2031 00:00:00	X	26°21'40" ♀	01°23'46"	-09°23'58"	00°00'39"	96.022
10/04/2031 00:00:00	Y	04°19'22" ♀	09°32'32"	-11°38'56"	00°00'37"	82.427
11/04/2031 00:00:00	♃	20°55'12" ♀	08°09'49"	00°00'00"	00°58'53"	1.002
11/04/2031 00:00:00	♃	03°56'32" ♀	-20°27'05"	00°29'22"	14°17'22"	0.002
11/04/2031 00:00:00	♃	10°13'28" ♀	05°08'58"	01°11'51"	-00°36'55"	0.589
11/04/2031 00:00:00	♃	00°17'23" ♀	21°44'39"	01°34'22"	01°09'46"	1.109
11/04/2031 00:00:00	♃	20°35'02" ♀	-16°34'36"	01°21'52"	-00°09'47"	0.644
11/04/2031 00:00:00	♃	28°57'14" ♀	-22°53'51"	00°31'56"	00°00'50"	4.845
11/04/2031 00:00:00	♃	05°55'14" ♀	19°43'13"	-01°35'36"	00°06'16"	9.731
11/04/2031 00:00:00	♃	19°41'26" ♀	23°08'22"	00°06'22"	00°02'11"	19.633

Ephemerides year 2031

11/04/2031 00:00:00	♁	13°20'57" ♄	03°53'24"	-01°29'44"	00°02'15"	30.843
11/04/2031 00:00:00	♁	13°23'35" ♁	-22°49'41"	-06°18'10"	00°00'53"	37.143
11/04/2031 00:00:00	♁	28°32'48" ♃	-19°49'54"	00°00'00"	00°00'30"	0.002
11/04/2031 00:00:00	♁	14°54'13" ♃	14°30'10"	-01°53'01"	00°03'41"	17.680
11/04/2031 00:00:00	♁	05°45'12" ♃	20°18'48"	-02°59'54"	00°06'40"	0.003
11/04/2031 00:00:00	T♁	28°32'48" ♃	-19°49'54"	00°00'00"	00°00'30"	0.002
11/04/2031 00:00:00	T♁	15°24'26" ♃	21°08'02"	-01°30'36"	-00°01'03"	0.003
11/04/2031 00:00:00	X	26°22'20" ♄	01°24'02"	-09°23'56"	00°00'39"	96.024
11/04/2031 00:00:00	Y	04°20'00" ♃	09°32'45"	-11°38'50"	00°00'37"	82.438
12/04/2031 00:00:00	♁	21°54'05" ♄	08°31'51"	00°00'00"	00°58'51"	1.002
12/04/2031 00:00:00	♁	18°14'25" ♃	-21°09'54"	01°45'19"	14°17'52"	0.002
12/04/2031 00:00:00	♁	09°38'37" ♄	04°40'09"	00°55'24"	-00°32'42"	0.594
12/04/2031 00:00:00	♁	01°27'05" ♃	22°02'19"	01°37'33"	01°09'39"	1.102
12/04/2031 00:00:00	♁	20°24'52" ♃	-16°33'24"	01°20'20"	-00°10'32"	0.639
12/04/2031 00:00:00	♁	28°58'00" ♃	-22°53'52"	00°31'55"	00°00'39"	4.830
12/04/2031 00:00:00	♁	06°01'32" ♃	19°44'29"	-01°35'25"	00°06'20"	9.742
12/04/2031 00:00:00	♁	19°43'39" ♃	23°08'32"	00°06'22"	00°02'14"	19.648
12/04/2031 00:00:00	♁	13°23'13" ♄	03°54'16"	-01°29'45"	00°02'15"	30.841
12/04/2031 00:00:00	♁	13°24'28" ♁	-22°49'38"	-06°18'24"	00°00'52"	37.128

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12/04/2031 00:00:00	♏	28°33'48" ♎	-19°50'07"	00°00'00"	00°01'21"	0.002
12/04/2031 00:00:00	♋	14°57'56" ♌	14°31'12"	-01°53'03"	00°03'43"	17.686
12/04/2031 00:00:00	♋	05°51'52" ♌	20°17'48"	-03°00'37"	00°06'40"	0.003
12/04/2031 00:00:00	T♏	28°33'48" ♎	-19°50'07"	00°00'00"	00°01'21"	0.002
12/04/2031 00:00:00	T♋	15°20'14" ♌	21°07'55"	-01°30'16"	-00°06'56"	0.003
12/04/2031 00:00:00	X	26°22'59" ♏	01°24'19"	-09°23'53"	00°00'39"	96.025
12/04/2031 00:00:00	Y	04°20'38" ♌	09°32'58"	-11°38'43"	00°00'38"	82.449
13/04/2031 00:00:00	♉	22°52'56" ♏	08°53'45"	00°00'00"	00°58'50"	1.002
13/04/2031 00:00:00	♊	02°31'19" ♌	-20°29'57"	02°54'39"	14°15'30"	0.002
13/04/2031 00:00:00	♋	09°08'12" ♏	04°13'01"	00°38'56"	-00°28'05"	0.599
13/04/2031 00:00:00	♋	02°36'41" ♌	22°19'24"	01°40'42"	01°09'31"	1.095
13/04/2031 00:00:00	♏	20°13'56" ♎	-16°32'03"	01°18'44"	-00°11'18"	0.633
13/04/2031 00:00:00	♉	28°58'34" ♌	-22°53'53"	00°31'55"	00°00'28"	4.816
13/04/2031 00:00:00	♏	06°07'54" ♌	19°45'45"	-01°35'14"	00°06'23"	9.754
13/04/2031 00:00:00	♏	19°45'54" ♌	23°08'43"	00°06'22"	00°02'16"	19.662
13/04/2031 00:00:00	♋	13°25'28" ♏	03°55'07"	-01°29'45"	00°02'14"	30.839
13/04/2031 00:00:00	♏	13°25'20" ♌	-22°49'37"	-06°18'38"	00°00'50"	37.113
13/04/2031 00:00:00	♏	28°35'14" ♎	-19°50'26"	00°00'00"	00°01'23"	0.002
13/04/2031 00:00:00	♋	15°01'40" ♌	14°32'15"	-01°53'05"	00°03'44"	17.692

Ephemerides year 2031

13/04/2031 00:00:00	☾	05°58'33" ♉	20°16'47"	-03°01'20"	00°06'40"	0.003
13/04/2031 00:00:00	♁	28°35'14" ♎	-19°50'26"	00°00'00"	00°01'23"	0.002
13/04/2031 00:00:00	♁	15°16'11" ♉	21°07'52"	-01°29'52"	00°04'07"	0.003
13/04/2031 00:00:00	X	26°23'39" ♀	01°24'35"	-09°23'51"	00°00'39"	96.026
13/04/2031 00:00:00	Y	04°21'16" ♉	09°33'10"	-11°38'37"	00°00'38"	82.460
14/04/2031 00:00:00	☉	23°51'45" ♀	09°15'30"	00°00'00"	00°58'48"	1.003
14/04/2031 00:00:00	☾	16°44'42" ♎	-18°31'53"	03°52'57"	14°10'57"	0.002
14/04/2031 00:00:00	♀	08°42'32" ♀	03°47'52"	00°22'34"	-00°23'11"	0.605
14/04/2031 00:00:00	♀	03°46'09" ♉	22°35'56"	01°43'48"	01°09'24"	1.088
14/04/2031 00:00:00	♂	20°02'16" ♎	-16°30'32"	01°17'06"	-00°12'02"	0.628
14/04/2031 00:00:00	♃	28°58'56" ♎	-22°53'54"	00°31'54"	00°00'17"	4.801
14/04/2031 00:00:00	♃	06°14'19" ♉	19°47'01"	-01°35'04"	00°06'26"	9.765
14/04/2031 00:00:00	♃	19°48'12" ♉	23°08'54"	00°06'22"	00°02'19"	19.676
14/04/2031 00:00:00	♃	13°27'43" ♀	03°55'59"	-01°29'46"	00°02'14"	30.836
14/04/2031 00:00:00	♃	13°26'10" ♎	-22°49'35"	-06°18'52"	00°00'49"	37.098
14/04/2031 00:00:00	♁	28°36'19" ♎	-19°50'40"	00°00'00"	00°00'39"	0.002
14/04/2031 00:00:00	♃	15°05'25" ♎	14°33'18"	-01°53'07"	00°03'45"	17.697
14/04/2031 00:00:00	☾	06°05'13" ♉	20°15'46"	-03°02'03"	00°06'40"	0.003
14/04/2031 00:00:00	♁	28°36'19" ♎	-19°50'40"	00°00'00"	00°00'39"	0.002

Ephemerides year 2031

14/04/2031 00:00:00	T♄	15°42'41" ♀	21°08'28"	-01°32'07"	00°56'47"	0.003
14/04/2031 00:00:00	X	26°24'18" ♀	01°24'51"	-09°23'48"	00°00'39"	96.027
14/04/2031 00:00:00	Y	04°21'55" ♀	09°33'23"	-11°38'31"	00°00'39"	82.471
15/04/2031 00:00:00	☉	24°50'33" ♀	09°37'06"	00°00'00"	00°58'46"	1.003
15/04/2031 00:00:00	☾	00°52'40" ♀	-15°27'11"	04°36'41"	14°04'42"	0.002
15/04/2031 00:00:00	♀	08°21'52" ♀	03°24'55"	00°06'27"	-00°18'06"	0.612
15/04/2031 00:00:00	♀	04°55'30" ♀	22°51'54"	01°46'53"	01°09'16"	1.081
15/04/2031 00:00:00	♂	19°49'51" ♀	-16°28'51"	01°15'24"	-00°12'46"	0.623
15/04/2031 00:00:00	♃	28°59'08" ♀	-22°53'55"	00°31'53"	00°00'05"	4.786
15/04/2031 00:00:00	♅	06°20'47" ♀	19°48'18"	-01°34'53"	00°06'29"	9.776
15/04/2031 00:00:00	♁	19°50'33" ♀	23°09'05"	00°06'23"	00°02'21"	19.690
15/04/2031 00:00:00	♃	13°29'57" ♀	03°56'50"	-01°29'47"	00°02'14"	30.833
15/04/2031 00:00:00	♁	13°26'59" ♀	-22°49'34"	-06°19'06"	00°00'47"	37.082
15/04/2031 00:00:00	♁	28°36'22" ♀	-19°50'41"	00°00'00"	-00°00'37"	0.002
15/04/2031 00:00:00	♃	15°09'11" ♀	14°34'22"	-01°53'10"	00°03'46"	17.702
15/04/2031 00:00:00	♁	06°11'53" ♀	20°14'45"	-03°02'45"	00°06'40"	0.003
15/04/2031 00:00:00	T♁	28°36'22" ♀	-19°50'41"	00°00'00"	-00°00'37"	0.002
15/04/2031 00:00:00	T♄	17°23'39" ♀	21°09'46"	-01°40'51"	02°29'52"	0.003
15/04/2031 00:00:00	X	26°24'58" ♀	01°25'07"	-09°23'46"	00°00'39"	96.028

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15/04/2031 00:00:00	Y	04°22'34" ♀	09°33'35"	-11°38'25"	00°00'39"	82.481
16/04/2031 00:00:00	☉	25°49'18" ♀	09°58'32"	00°00'00"	00°58'44"	1.003
16/04/2031 00:00:00	☾	14°53'36" ♁	-11°31'15"	05°03'32"	13°56'56"	0.002
16/04/2031 00:00:00	♀	08°06'22" ♀	03°04'20"	-00°09'17"	-00°12'54"	0.620
16/04/2031 00:00:00	♀	06°04'43" ♀	23°07'16"	01°49'54"	01°09'09"	1.074
16/04/2031 00:00:00	♂	19°36'42" ♃	-16°27'01"	01°13'39"	-00°13'30"	0.618
16/04/2031 00:00:00	♃	28°59'08" ♀	-22°53'56"	00°31'52"	-00°00'05"	4.771
16/04/2031 00:00:00	♃	06°27'19" ♀	19°49'34"	-01°34'43"	00°06'33"	9.787
16/04/2031 00:00:00	♃	19°52'55" ♀	23°09'16"	00°06'23"	00°02'23"	19.704
16/04/2031 00:00:00	♃	13°32'11" ♀	03°57'41"	-01°29'48"	00°02'13"	30.830
16/04/2031 00:00:00	♃	13°27'46" ♁	-22°49'34"	-06°19'20"	00°00'46"	37.067
16/04/2031 00:00:00	♃	28°35'00" ♃	-19°50'23"	00°00'00"	-00°02'07"	0.002
16/04/2031 00:00:00	♃	15°12'58" ♂	14°35'25"	-01°53'12"	00°03'47"	17.707
16/04/2031 00:00:00	♃	06°18'34" ♃	20°13'44"	-03°03'28"	00°06'40"	0.003
16/04/2031 00:00:00	T♃	28°35'00" ♃	-19°50'23"	00°00'00"	-00°02'07"	0.002
16/04/2031 00:00:00	T♃	20°45'04" ♀	21°08'50"	-01°58'08"	04°10'39"	0.003
16/04/2031 00:00:00	X	26°25'37" ♀	01°25'23"	-09°23'43"	00°00'39"	96.028
16/04/2031 00:00:00	Y	04°23'14" ♀	09°33'48"	-11°38'19"	00°00'39"	82.491
17/04/2031 00:00:00	☉	26°48'02" ♀	10°19'48"	00°00'00"	00°58'43"	1.004

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17/04/2031 00:00:00	♃	28°46'02" ♁	-07°00'50"	05°12'20"	13°47'39"	0.003
17/04/2031 00:00:00	♆	07°56'05" ♄	02°46'14"	-00°24'34"	-00°07'39"	0.629
17/04/2031 00:00:00	♀	07°13'49" ♀	23°22'03"	01°52'54"	01°09'01"	1.067
17/04/2031 00:00:00	♂	19°22'51" ♃	-16°25'02"	01°11'50"	-00°14'12"	0.613
17/04/2031 00:00:00	♃	28°58'57" ♄	-22°53'57"	00°31'51"	-00°00'17"	4.757
17/04/2031 00:00:00	♃	06°33'54" ♀	19°50'51"	-01°34'33"	00°06'36"	9.798
17/04/2031 00:00:00	♃	19°55'20" ♀	23°09'27"	00°06'23"	00°02'26"	19.717
17/04/2031 00:00:00	♃	13°34'25" ♄	03°58'32"	-01°29'49"	00°02'13"	30.826
17/04/2031 00:00:00	♃	13°28'32" ♁	-22°49'34"	-06°19'35"	00°00'44"	37.052
17/04/2031 00:00:00	♃	28°32'10" ♃	-19°49'45"	00°00'00"	-00°03'29"	0.002
17/04/2031 00:00:00	♃	15°16'46" ♄	14°36'29"	-01°53'14"	00°03'48"	17.712
17/04/2031 00:00:00	♃	06°25'14" ♃	20°12'43"	-03°04'11"	00°06'40"	0.003
17/04/2031 00:00:00	♃	28°32'10" ♃	-19°49'45"	00°00'00"	-00°03'29"	0.002
17/04/2031 00:00:00	♃	25°34'04" ♀	20°59'24"	-02°22'15"	05°19'27"	0.003
17/04/2031 00:00:00	X	26°26'17" ♄	01°25'39"	-09°23'41"	00°00'39"	96.028
17/04/2031 00:00:00	Y	04°23'54" ♀	09°34'00"	-11°38'14"	00°00'40"	82.501
18/04/2031 00:00:00	♃	27°46'45" ♄	10°40'54"	00°00'00"	00°58'41"	1.004
18/04/2031 00:00:00	♃	12°28'25" ♃	-02°12'21"	05°03'09"	13°36'49"	0.003
18/04/2031 00:00:00	♆	07°51'02" ♄	02°30'43"	-00°39'18"	-00°02'25"	0.639

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18/04/2031 00:00:00	♀	08°22'46" ♀	23°36'14" ♀	01°55'50"	01°08'53"	1.060
18/04/2031 00:00:00	♂	19°08'17" ♀	-16°22'53"	01°09'59"	-00°14'54"	0.609
18/04/2031 00:00:00	♃	28°58'34" ♀	-22°53'58"	00°31'49"	-00°00'28"	4.743
18/04/2031 00:00:00	♃	06°40'31" ♀	19°52'07"	-01°34'23"	00°06'39"	9.809
18/04/2031 00:00:00	♃	19°57'47" ♀	23°09'39"	00°06'24"	00°02'28"	19.731
18/04/2031 00:00:00	♃	13°36'38" ♀	03°59'23"	-01°29'50"	00°02'12"	30.822
18/04/2031 00:00:00	♃	13°29'16" ♀	-22°49'35"	-06°19'49"	00°00'43"	37.036
18/04/2031 00:00:00	♃	28°28'09" ♀	-19°48'52"	00°00'00"	-00°04'25"	0.002
18/04/2031 00:00:00	♃	15°20'35" ♀	14°37'33"	-01°53'17"	00°03'49"	17.716
18/04/2031 00:00:00	♃	06°31'54" ♀	20°11'41"	-03°04'53"	00°06'40"	0.003
18/04/2031 00:00:00	T♃	28°28'09" ♀	-19°48'52"	00°00'00"	-00°04'25"	0.002
18/04/2031 00:00:00	T♃	01°05'51" ♀	20°37'00"	-02°48'45"	05°34'36"	0.003
18/04/2031 00:00:00	X	26°26'56" ♀	01°25'55"	-09°23'39"	00°00'39"	96.028
18/04/2031 00:00:00	Y	04°24'35" ♀	09°34'13"	-11°38'08"	00°00'40"	82.511
19/04/2031 00:00:00	♃	28°45'25" ♀	11°01'50"	00°00'00"	00°58'39"	1.004
19/04/2031 00:00:00	♃	25°59'09" ♀	02°38'41"	04°37'09"	13°24'23"	0.003
19/04/2031 00:00:00	♃	07°51'12" ♀	02°17'48"	-00°53'25"	00°02'43"	0.649
19/04/2031 00:00:00	♀	09°31'36" ♀	23°49'49" ♀	01°58'43"	01°08'45"	1.052
19/04/2031 00:00:00	♂	18°53'03" ♀	-16°20'35"	01°08'04"	-00°15'34"	0.604

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19/04/2031 00:00:00	♃	28°58'00"	♏	-22°53'59"	00°31'48"	-00°00'39"	4.729
19/04/2031 00:00:00	♅	06°47'12"	♈	19°53'24"	-01°34'13"	00°06'42"	9.819
19/04/2031 00:00:00	♅	20°00'17"	♈	23°09'50"	00°06'24"	00°02'30"	19.744
19/04/2031 00:00:00	♆	13°38'51"	♏	04°00'14"	-01°29'51"	00°02'12"	30.818
19/04/2031 00:00:00	♁	13°29'58"	♏	-22°49'36"	-06°20'03"	00°00'41"	37.021
19/04/2031 00:00:00	♁	28°23'30"	♏	-19°47'50"	00°00'00"	-00°04'45"	0.002
19/04/2031 00:00:00	♃	15°24'25"	♏	14°38'36"	-01°53'20"	00°03'50"	17.720
19/04/2031 00:00:00	♁	06°38'35"	♏	20°10'39"	-03°05'36"	00°06'40"	0.003
19/04/2031 00:00:00	T♁	28°23'30"	♏	-19°47'50"	00°00'00"	-00°04'45"	0.002
19/04/2031 00:00:00	T♁	06°25'28"	♏	20°04'01"	-03°12'53"	04°56'45"	0.003
19/04/2031 00:00:00	X	26°27'36"	♏	01°26'11"	-09°23'37"	00°00'39"	96.028
19/04/2031 00:00:00	Y	04°25'16"	♈	09°34'25"	-11°38'02"	00°00'41"	82.520
20/04/2031 00:00:00	♁	29°44'04"	♏	11°22'34"	00°00'00"	00°58'37"	1.004
20/04/2031 00:00:00	♁	09°16'44"	♏	07°17'56"	03°56'30"	13°10'33"	0.003
20/04/2031 00:00:00	♁	07°56'28"	♏	02°07'30"	-01°06'52"	00°07'47"	0.660
20/04/2031 00:00:00	♁	10°40'17"	♈	24°02'47"	02°01'33"	01°08'37"	1.045
20/04/2031 00:00:00	♁	18°37'09"	♏	-16°18'07"	01°06'06"	-00°16'13"	0.600
20/04/2031 00:00:00	♃	28°57'14"	♏	-22°54'00"	00°31'47"	-00°00'51"	4.715
20/04/2031 00:00:00	♅	06°53'56"	♈	19°54'41"	-01°34'03"	00°06'45"	9.829

Ephemerides year 2031

20/04/2031 00:00:00	♃	20°02'48" ♀	23°10'02"	00°06'24"	00°02'32"	19.757
20/04/2031 00:00:00	♃	13°41'03" ♀	04°01'04"	-01°29'52"	00°02'12"	30.814
20/04/2031 00:00:00	♃	13°30'39" ♀	-22°49'38"	-06°20'18"	00°00'40"	37.005
20/04/2031 00:00:00	♃	28°18'51" ♀	-19°46'48"	00°00'00"	-00°04'27"	0.003
20/04/2031 00:00:00	♃	15°28'16" ♀	14°39'40"	-01°53'22"	00°03'51"	17.724
20/04/2031 00:00:00	♃	06°45'15" ♀	20°09'37"	-03°06'18"	00°06'40"	0.003
20/04/2031 00:00:00	T♃	28°18'51" ♀	-19°46'48"	00°00'00"	-00°04'27"	0.003
20/04/2031 00:00:00	T♃	10°46'33" ♀	19°28'58"	-03°31'30"	03°40'38"	0.003
20/04/2031 00:00:00	X	26°28'15" ♀	01°26'26"	-09°23'35"	00°00'39"	96.027
20/04/2031 00:00:00	Y	04°25'57" ♀	09°34'38"	-11°37'57"	00°00'41"	82.529
21/04/2031 00:00:00	♃	00°42'41" ♀	11°43'08"	00°00'00"	00°58'36"	1.005
21/04/2031 00:00:00	♃	22°19'57" ♀	11°32'14"	03°04'04"	12°55'44"	0.003
21/04/2031 00:00:00	♃	08°06'43" ♀	01°59'49"	-01°19'38"	00°12'42"	0.672
21/04/2031 00:00:00	♃	11°48'50" ♀	24°15'09" ○	02°04'20"	01°08'28"	1.038
21/04/2031 00:00:00	♃	18°20'36" ♀	-16°15'32"	01°04'05"	-00°16'50"	0.596
21/04/2031 00:00:00	♃	28°56'17" ♀	-22°54'01"	00°31'46"	-00°01'02"	4.701
21/04/2031 00:00:00	♃	07°00'43" ♀	19°55'58"	-01°33'53"	00°06'48"	9.839
21/04/2031 00:00:00	♃	20°05'22" ♀	23°10'14"	00°06'24"	00°02'34"	19.770
21/04/2031 00:00:00	♃	13°43'15" ♀	04°01'54"	-01°29'53"	00°02'11"	30.810

Ephemerides year 2031

21/04/2031 00:00:00	♁	13°31'18" ♁	-22°49'40"	-06°20'32"	00°00'38"	36.989
21/04/2031 00:00:00	♁	28°14'47" ♁	-19°45'54"	00°00'00"	-00°03'35"	0.003
21/04/2031 00:00:00	♁	15°32'08" ♁	14°40'44"	-01°53'25"	00°03'52"	17.728
21/04/2031 00:00:00	♁	06°51'55" ♁	20°08'35"	-03°07'01"	00°06'40"	0.003
21/04/2031 00:00:00	♁	28°14'47" ♁	-19°45'54"	00°00'00"	-00°03'35"	0.003
21/04/2031 00:00:00	♁	13°40'48" ♁	19°01'32"	-03°43'28"	02°06'41"	0.003
21/04/2031 00:00:00	X	26°28'55" ♁	01°26'42"	-09°23'34"	00°00'39"	96.026
21/04/2031 00:00:00	Y	04°26'39" ♁	09°34'50"	-11°37'52"	00°00'42"	82.538
22/04/2031 00:00:00	♁	01°41'16" ♁	12°03'29"	00°00'00"	00°58'34"	1.005
22/04/2031 00:00:00	♁	05°08'07" ♁	15°09'53"	02°03'10"	12°40'35"	0.003
22/04/2031 00:00:00	♁	08°21'50" ♁	01°54'43"	-01°31'40"	00°17'29"	0.684
22/04/2031 00:00:00	♁	12°57'14" ♁	24°26'52" ♁	02°07'03"	01°08'20"	1.031
22/04/2031 00:00:00	♁	18°03'27" ♁	-16°12'47"	01°02'01"	-00°17'26"	0.592
22/04/2031 00:00:00	♁	28°55'09" ♁	-22°54'01"	00°31'44"	-00°01'13"	4.687
22/04/2031 00:00:00	♁	07°07'33" ♁	19°57'14"	-01°33'44"	00°06'51"	9.849
22/04/2031 00:00:00	♁	20°07'58" ♁	23°10'25"	00°06'25"	00°02'37"	19.783
22/04/2031 00:00:00	♁	13°45'26" ♁	04°02'44"	-01°29'54"	00°02'11"	30.805
22/04/2031 00:00:00	♁	13°31'56" ♁	-22°49'43"	-06°20'47"	00°00'36"	36.973
22/04/2031 00:00:00	♁	28°11'47" ♁	-19°45'14"	00°00'00"	-00°02'22"	0.003

Ephemerides year 2031

22/04/2031 00:00:00	♄	15°36'01" ♉	14°41'48"	-01°53'28"	00°03'53"	17.731
22/04/2031 00:00:00	♁	06°58'35" ♉	20°07'32"	-03°07'43"	00°06'40"	0.003
22/04/2031 00:00:00	♄♁	28°11'47" ♉♄	-19°45'14"	00°00'00"	-00°02'22"	0.003
22/04/2031 00:00:00	♄♁	15°01'16" ♉♄	18°47'35"	-03°49'05"	00°36'40"	0.003
22/04/2031 00:00:00	X	26°29'34" ♀	01°26'57"	-09°23'32"	00°00'39"	96.024
22/04/2031 00:00:00	Y	04°27'22" ♀	09°35'02"	-11°37'47"	00°00'42"	82.547
23/04/2031 00:00:00	♁	02°39'49" ♉♁	12°23'39"	00°00'00"	00°58'32"	1.005
23/04/2031 00:00:00	♃	17°41'19" ♉♃	18°01'11"	00°57'18"	12°25'56"	0.003
23/04/2031 00:00:00	♁	08°41'38" ♉♁	01°52'07"	-01°42'57"	00°22'05"	0.696
23/04/2031 00:00:00	♁	14°05'30" ♉♁	24°37'58" ♁	02°09'43"	01°08'11"	1.023
23/04/2031 00:00:00	♂	17°45'44" ♉♂	-16°09'54"	00°59'53"	-00°18'00"	0.588
23/04/2031 00:00:00	♁♂	28°53'50" ♉♁♂	-22°54'02"	00°31'43"	-00°01'24"	4.673
23/04/2031 00:00:00	♃	07°14'25" ♉♃	19°58'31"	-01°33'34"	00°06'53"	9.858
23/04/2031 00:00:00	♁	20°10'36" ♉♁	23°10'37"	00°06'25"	00°02'39"	19.795
23/04/2031 00:00:00	♁	13°47'37" ♉♁	04°03'33"	-01°29'55"	00°02'10"	30.800
23/04/2031 00:00:00	♁	13°32'32" ♉♁	-22°49'46"	-06°21'02"	00°00'35"	36.958
23/04/2031 00:00:00	♁	28°10'04" ♉♁	-19°44'51"	00°00'00"	-00°01'03"	0.003
23/04/2031 00:00:00	♄	15°39'54" ♉♄	14°42'52"	-01°53'31"	00°03'53"	17.734
23/04/2031 00:00:00	♁	07°05'16" ♉♁	20°06'29"	-03°08'25"	00°06'40"	0.003

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23/04/2031 00:00:00	T♄	28°10'04" ♉	-19°44'51"	00°00'00"	-00°01'03"	0.003
23/04/2031 00:00:00	T♄	15°02'00" ♉	18°46'59"	-03°49'36"	-00°30'07"	0.003
23/04/2031 00:00:00	X	26°30'14" ♉	01°27'12"	-09°23'31"	00°00'39"	96.023
23/04/2031 00:00:00	Y	04°28'05" ♉	09°35'14"	-11°37'42"	00°00'43"	82.556
24/04/2031 00:00:00	♁	03°38'21" ♉	12°43'37"	00°00'00"	00°58'30"	1.006
24/04/2031 00:00:00	♂	00°00'28" ♉	19°58'54"	-00°10'10"	12°12'40"	0.003
24/04/2031 00:00:00	♀	09°05'57" ♉	01°52'00"	-01°53'28"	00°26'31"	0.709
24/04/2031 00:00:00	♀	15°13'37" ♉	24°48'27" ♁	02°12'19"	01°08'02"	1.016
24/04/2031 00:00:00	♂	17°27'27" ♉	-16°06'53"	00°57'43"	-00°18'33"	0.585
24/04/2031 00:00:00	♃	28°52'20" ♉	-22°54'03"	00°31'41"	-00°01'36"	4.660
24/04/2031 00:00:00	♃	07°21'20" ♉	19°59'48"	-01°33'25"	00°06'56"	9.868
24/04/2031 00:00:00	♃	20°13'16" ♉	23°10'49"	00°06'25"	00°02'41"	19.808
24/04/2031 00:00:00	♃	13°49'47" ♉	04°04'22"	-01°29'56"	00°02'09"	30.794
24/04/2031 00:00:00	♃	13°33'06" ♉	-22°49'50"	-06°21'16"	00°00'33"	36.942
24/04/2031 00:00:00	♁	28°09'38" ♉	-19°44'45"	00°00'00"	00°00'10"	0.002
24/04/2031 00:00:00	♃	15°43'48" ♉	14°43'56"	-01°53'35"	00°03'54"	17.737
24/04/2031 00:00:00	♃	07°11'56" ♉	20°05'26"	-03°09'07"	00°06'40"	0.003
24/04/2031 00:00:00	T♄	28°09'38" ♉	-19°44'45"	00°00'00"	00°00'10"	0.002
24/04/2031 00:00:00	T♄	14°12'22" ♉	18°54'57"	-03°46'53"	-01°03'23"	0.003

Ephemerides year 2031

24/04/2031 00:00:00	X	26°30'53" ♄	01°27'27"	-09°23'29"	00°00'39"	96.021
24/04/2031 00:00:00	Y	04°28'48" ♀	09°35'26"	-11°37'37"	00°00'43"	82.564
25/04/2031 00:00:00		♃ 04°36'50" ♃	13°03'22"	00°00'00"	00°58'28"	1.006
25/04/2031 00:00:00		♃ 12°07'27" ♀	20°58'53"	-01°16'11"	12°01'43"	0.003
25/04/2031 00:00:00		♃ 09°34'37" ♄	01°54'17"	-02°03'14"	00°30'46"	0.722
25/04/2031 00:00:00		♃ 16°21'34" ♀	24°58'16" ♄	02°14'52"	01°07'52"	1.009
25/04/2031 00:00:00		♃ 17°08'38" ♃	-16°03'44"	00°55'30"	-00°19'03"	0.581
25/04/2031 00:00:00		♃ 28°50'38" ♃	-22°54'04"	00°31'39"	-00°01'47"	4.646
25/04/2031 00:00:00		♃ 07°28'18" ♀	20°01'05"	-01°33'16"	00°06'59"	9.877
25/04/2031 00:00:00		♃ 20°15'58" ♀	23°11'01"	00°06'26"	00°02'43"	19.820
25/04/2031 00:00:00		♃ 13°51'57" ♄	04°05'11"	-01°29'58"	00°02'09"	30.789
25/04/2031 00:00:00		♃ 13°33'40" ♃	-22°49'54"	-06°21'31"	00°00'32"	36.926
25/04/2031 00:00:00		♃ 28°10'18" ♃	-19°44'54"	00°00'00"	00°01'05"	0.002
25/04/2031 00:00:00		♃ 15°47'43" ♃	14°45'01"	-01°53'38"	00°03'55"	17.739
25/04/2031 00:00:00		♃ 07°18'37" ♃	20°04'23"	-03°09'49"	00°06'40"	0.003
25/04/2031 00:00:00	T♃	28°10'18" ♃	-19°44'54"	00°00'00"	00°01'05"	0.002
25/04/2031 00:00:00	T♃	13°05'28" ♃	19°05'34"	-03°42'52"	-01°06'17"	0.003
25/04/2031 00:00:00	X	26°31'32" ♄	01°27'43"	-09°23'28"	00°00'39"	96.019
25/04/2031 00:00:00	Y	04°29'31" ♀	09°35'38"	-11°37'32"	00°00'43"	82.572

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26/04/2031 00:00:00	☉	05°35'17" ♉	13°22'54"	-00°00'00"	00°58'26"	1.006
26/04/2031 00:00:00	☾	24°04'58" ♉	21°00'09"	-02°18'04"	11°53'54"	0.003
26/04/2031 00:00:00	♀	10°07'28" ♉	01°58'52"	-02°12'14"	00°34'51"	0.736
26/04/2031 00:00:00	♋	17°29'22" ♉	25°07'28"	☉ 02°17'20"	01°07'42"	1.001
26/04/2031 00:00:00	♌	16°49'21" ♉	-16°00'28"	00°53'13"	-00°19'31"	0.578
26/04/2031 00:00:00	♍	28°48'45" ♉	-22°54'05"	00°31'38"	-00°01'58"	4.633
26/04/2031 00:00:00	♎	07°35'18" ♉	20°02'22"	-01°33'07"	00°07'01"	9.886
26/04/2031 00:00:00	♏	20°18'43" ♉	23°11'14"	00°06'26"	00°02'45"	19.832
26/04/2031 00:00:00	♐	13°54'06" ♉	04°06'00"	-01°29'59"	00°02'08"	30.783
26/04/2031 00:00:00	♑	13°34'11" ♉	-22°49'59"	-06°21'46"	00°00'30"	36.910
26/04/2031 00:00:00	♒	28°11'42" ♉	-19°45'13"	00°00'00"	00°01'36"	0.002
26/04/2031 00:00:00	♓	15°51'39" ♉	14°46'05"	-01°53'41"	00°03'55"	17.741
26/04/2031 00:00:00	♈	07°25'17" ♉	20°03'19"	-03°10'31"	00°06'40"	0.003
26/04/2031 00:00:00	T♒	28°11'42" ♉	-19°45'13"	00°00'00"	00°01'36"	0.002
26/04/2031 00:00:00	T♓	12°05'28" ♉	19°14'49"	-03°39'05"	-00°52'10"	0.003
26/04/2031 00:00:00	X	26°32'12" ♉	01°27'57"	-09°23'27"	00°00'39"	96.016
26/04/2031 00:00:00	Y	04°30'15" ♉	09°35'50"	-11°37'27"	00°00'44"	82.580
27/04/2031 00:00:00	☉	06°33'42" ♉	13°42'13"	-00°00'00"	00°58'24"	1.006
27/04/2031 00:00:00	☾	05°56'32" ♉	20°04'41"	-03°13'32"	11°49'54"	0.003

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27/04/2031 00:00:00	♀	10°44'18" ♀	02°05'42"	-02°20'28"	00°38'46"	0.750
27/04/2031 00:00:00	♀	18°37'00" ♀	25°16'00" ♀	02°19'44"	01°07'33"	0.994
27/04/2031 00:00:00	♂	16°29'36" ♀	-15°57'05"	00°50'55"	-00°19'57"	0.575
27/04/2031 00:00:00	♂	28°46'42" ♀	-22°54'05"	00°31'36"	-00°02'09"	4.620
27/04/2031 00:00:00	♂	07°42'21" ♀	20°03'39"	-01°32'58"	00°07'04"	9.894
27/04/2031 00:00:00	♂	20°21'29" ♀	23°11'26"	00°06'26"	00°02'47"	19.844
27/04/2031 00:00:00	♂	13°56'14" ♀	04°06'48"	-01°30'01"	00°02'07"	30.776
27/04/2031 00:00:00	♂	13°34'41" ♀	-22°50'04"	-06°22'01"	00°00'29"	36.894
27/04/2031 00:00:00	♂	28°13'23" ♀	-19°45'35"	00°00'00"	00°01'40"	0.002
27/04/2031 00:00:00	♂	15°55'35" ♀	14°47'09"	-01°53'45"	00°03'56"	17.743
27/04/2031 00:00:00	♂	07°31'58" ♀	20°02'16"	-03°11'13"	00°06'40"	0.003
27/04/2031 00:00:00	T♂	28°13'23" ♀	-19°45'35"	00°00'00"	00°01'40"	0.002
27/04/2031 00:00:00	T♂	11°21'38" ♀	19°21'24"	-03°36'14"	-00°36'18"	0.003
27/04/2031 00:00:00	X	26°32'51" ♀	01°28'12"	-09°23'25"	00°00'39"	96.013
27/04/2031 00:00:00	Y	04°31'00" ♀	09°36'02"	-11°37'23"	00°00'44"	82.587
28/04/2031 00:00:00	♂	07°32'05" ♀	14°01'18"	-00°00'00"	00°58'22"	1.007
28/04/2031 00:00:00	♂	17°46'14" ♀	18°16'40"	-04°00'36"	11°50'15"	0.003
28/04/2031 00:00:00	♀	11°24'57" ♀	02°14'41"	-02°27'56"	00°42'30"	0.764
28/04/2031 00:00:00	♀	19°44'28" ♀	25°23'54" ♀	02°22'04"	01°07'22"	0.986

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28/04/2031 00:00:00	♂	16°09'26" ♈	-15°53'35"	00°48'33"	-00°20'21"	0.572
28/04/2031 00:00:00	♃	28°44'27" ♈	-22°54'06"	00°31'34"	-00°02'20"	4.608
28/04/2031 00:00:00	♅	07°49'27" ♈	20°04'55"	-01°32'49"	00°07'06"	9.903
28/04/2031 00:00:00	♁	20°24'17" ♈	23°11'39"	00°06'26"	00°02'48"	19.855
28/04/2031 00:00:00	♃	13°58'22" ♈	04°07'36"	-01°30'02"	00°02'07"	30.770
28/04/2031 00:00:00	♁	13°35'09" ♁	-22°50'10"	-06°22'15"	00°00'27"	36.878
28/04/2031 00:00:00	♁	28°14'54" ♈	-19°45'56"	00°00'00"	00°01'19"	0.002
28/04/2031 00:00:00	♃	15°59'31" ♈	14°48'13"	-01°53'48"	00°03'56"	17.745
28/04/2031 00:00:00	♁	07°38'38" ♁	20°01'12"	-03°11'54"	00°06'40"	0.003
28/04/2031 00:00:00	♁	28°14'54" ♈	-19°45'56"	00°00'00"	00°01'19"	0.002
28/04/2031 00:00:00	♁	10°49'38" ♁	19°26'09"	-03°34'05"	-00°29'57"	0.003
28/04/2031 00:00:00	X	26°33'30" ♈	01°28'27"	-09°23'24"	00°00'38"	96.010
28/04/2031 00:00:00	Y	04°31'45" ♈	09°36'14"	-11°37'19"	00°00'44"	82.595
29/04/2031 00:00:00	♁	08°30'27" ♈	14°20'09"	-00°00'00"	00°58'20"	1.007
29/04/2031 00:00:00	♁	29°38'37" ♁	15°41'41"	-04°37'33"	11°55'19"	0.003
29/04/2031 00:00:00	♁	12°09'16" ♈	02°25'44"	-02°34'40"	00°46'05"	0.779
29/04/2031 00:00:00	♀	20°51'45" ♈	25°31'08"	02°24'20"	01°07'12"	0.979
29/04/2031 00:00:00	♂	15°48'53" ♈	-15°49'59"	00°46'09"	-00°20'43"	0.570
29/04/2031 00:00:00	♃	28°42'01" ♈	-22°54'07"	00°31'32"	-00°02'30"	4.595

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29/04/2031 00:00:00	♃	07°56'34" ♀	20°06'12"	-01°32'41"	00°07'08"	9.911
29/04/2031 00:00:00	♃	20°27'07" ♀	23°11'51"	00°06'27"	00°02'50"	19.867
29/04/2031 00:00:00	♃	14°00'28" ♀	04°08'24"	-01°30'03"	00°02'06"	30.763
29/04/2031 00:00:00	♃	13°35'36" ♀	-22°50'17"	-06°22'30"	00°00'25"	36.862
29/04/2031 00:00:00	♃	28°15'55" ♀	-19°46'09"	00°00'00"	00°00'39"	0.002
29/04/2031 00:00:00	♃	16°03'28" ♀	14°49'17"	-01°53'52"	00°03'57"	17.747
29/04/2031 00:00:00	♃	07°45'19" ♀	20°00'08"	-03°12'36"	00°06'40"	0.003
29/04/2031 00:00:00	♃	28°15'55" ♀	-19°46'09"	00°00'00"	00°00'39"	0.002
29/04/2031 00:00:00	♃	10°16'29" ♀	19°30'58"	-03°31'48"	-00°39'09"	0.003
29/04/2031 00:00:00	X	26°34'09" ♀	01°28'41"	-09°23'24"	00°00'38"	96.007
29/04/2031 00:00:00	Y	04°32'30" ♀	09°36'26"	-11°37'14"	00°00'45"	82.602
30/04/2031 00:00:00	♃	09°28'45" ♀	14°38'46"	-00°00'00"	00°58'17"	1.007
30/04/2031 00:00:00	♃	11°38'29" ♀	12°26'03"	-05°02'52"	12°05'11"	0.003
30/04/2031 00:00:00	♃	12°57'05" ♀	02°38'47"	-02°40'39"	00°49'31"	0.793
30/04/2031 00:00:00	♃	21°58'52" ♀	25°37'43" ♀	02°26'31"	01°07'01"	0.971
30/04/2031 00:00:00	♃	15°28'01" ♀	-15°46'17"	00°43'43"	-00°21'02"	0.567
30/04/2031 00:00:00	♃	28°39'25" ♀	-22°54'07"	00°31'30"	-00°02'41"	4.583
30/04/2031 00:00:00	♃	08°03'44" ♀	20°07'29"	-01°32'32"	00°07'10"	9.919
30/04/2031 00:00:00	♃	20°29'58" ♀	23°12'04"	00°06'27"	00°02'52"	19.878

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30/04/2031 00:00:00	♁	14°02'34"	♄	04°09'11"	-01°30'05"	00°02'05"	30.756
30/04/2031 00:00:00	♁	13°36'01"	♁	-22°50'23"	-06°22'45"	00°00'24"	36.845
30/04/2031 00:00:00	♁	28°16'10"	♄	-19°46'12"	00°00'00"	-00°00'10"	0.002
30/04/2031 00:00:00	♁	16°07'25"	♄	14°50'21"	-01°53'56"	00°03'57"	17.748
30/04/2031 00:00:00	♁	07°51'59"	♁	19°59'03"	-03°13'17"	00°06'40"	0.003
30/04/2031 00:00:00	T♁	28°16'10"	♄	-19°46'12"	00°00'00"	-00°00'10"	0.002
30/04/2031 00:00:00	T♁	09°25'36"	♁	19°38'08"	-03°28'18"	-01°05'18"	0.003
30/04/2031 00:00:00	X	26°34'48"	♄	01°28'56"	-09°23'23"	00°00'38"	96.003
30/04/2031 00:00:00	Y	04°33'15"	♁	09°36'38"	-11°37'10"	00°00'45"	82.609
01/05/2031 00:00:00	♁	10°27'02"	♄	14°57'09"	-00°00'00"	00°58'15"	1.007
01/05/2031 00:00:00	♁	23°50'33"	♁	08°36'30"	-05°15'04"	12°19'41"	0.003
01/05/2031 00:00:00	♁	13°48'16"	♄	02°53'45"	-02°45'54"	00°52'48"	0.808
01/05/2031 00:00:00	♁	23°05'48"	♁	25°43'39"	02°28'37"	01°06'50"	0.964
01/05/2031 00:00:00	♁	15°06'50"	♄	-15°42'30"	00°41'14"	-00°21'18"	0.565
01/05/2031 00:00:00	♁	28°36'38"	♁	-22°54'08"	00°31'27"	-00°02'52"	4.570
01/05/2031 00:00:00	♁	08°10'56"	♁	20°08'45"	-01°32'24"	00°07'13"	9.927
01/05/2031 00:00:00	♁	20°32'52"	♁	23°12'16"	00°06'27"	00°02'54"	19.889
01/05/2031 00:00:00	♁	14°04'40"	♄	04°09'58"	-01°30'07"	00°02'04"	30.749
01/05/2031 00:00:00	♁	13°36'24"	♁	-22°50'31"	-06°23'00"	00°00'22"	36.829

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01/05/2031 00:00:00	♏	28°15'35" ♃	-19°46'05"	00°00'00"	-00°00'58"	0.002
01/05/2031 00:00:00	♋	16°11'23" ♄	14°51'25"	-01°54'00"	00°03'57"	17.749
01/05/2031 00:00:00	♌	07°58'40" ♁	19°57'59"	-03°13'59"	00°06'40"	0.003
01/05/2031 00:00:00	T♏	28°15'35" ♃	-19°46'05"	00°00'00"	-00°00'58"	0.002
01/05/2031 00:00:00	T♌	08°01'16" ♁	19°49'22"	-03°22'26"	-01°45'05"	0.003
01/05/2031 00:00:00	X	26°35'26" ♀	01°29'10"	-09°23'22"	00°00'38"	95.999
01/05/2031 00:00:00	Y	04°34'01" ♀	09°36'49"	-11°37'06"	00°00'45"	82.615
02/05/2031 00:00:00	♁	11°25'17" ♄	15°15'16"	-00°00'00"	00°58'13"	1.008
02/05/2031 00:00:00	♃	06°19'14" ♃	04°20'22"	-05°12'53"	12°38'17"	0.003
02/05/2031 00:00:00	♌	14°42'40" ♀	03°10'32"	-02°50'26"	00°55'57"	0.823
02/05/2031 00:00:00	♍	24°12'33" ♀	25°48'56" ♁	02°30'39"	01°06'38"	0.956
02/05/2031 00:00:00	♎	14°45'24" ♃	-15°38'38"	00°38'44"	-00°21'33"	0.563
02/05/2031 00:00:00	♏	28°33'40" ♄	-22°54'08"	00°31'25"	-00°03'03"	4.558
02/05/2031 00:00:00	♐	08°18'10" ♀	20°10'01"	-01°32'16"	00°07'15"	9.935
02/05/2031 00:00:00	♑	20°35'47" ♀	23°12'29"	00°06'28"	00°02'56"	19.900
02/05/2031 00:00:00	♒	14°06'44" ♀	04°10'45"	-01°30'08"	00°02'03"	30.742
02/05/2031 00:00:00	♓	13°36'46" ♁	-22°50'39"	-06°23'15"	00°00'20"	36.813
02/05/2031 00:00:00	♏	28°14'16" ♃	-19°45'47"	00°00'00"	-00°01'37"	0.002
02/05/2031 00:00:00	♋	16°15'21" ♄	14°52'29"	-01°54'04"	00°03'57"	17.749

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02/05/2031 00:00:00	☾	08°05'20" ♉	19°56'54"	-03°14'40"	00°06'40"	0.003	
02/05/2031 00:00:00	♁	28°14'16" ♎	-19°45'47"		00°00'00"	-00°01'37"	0.002
02/05/2031 00:00:00	♁	05°53'43" ♉	20°04'56"	-03°13'24"	-02°29'45"	0.003	
02/05/2031 00:00:00	X	26°36'05" ♀	01°29'24"	-09°23'21"	00°00'38"	95.995	
02/05/2031 00:00:00	Y	04°34'46" ♀	09°37'01"	-11°37'02"	00°00'46"	82.621	
03/05/2031 00:00:00	☉	12°23'30" ♉	15°33'08"	-00°00'00"	00°58'11"	1.008	
03/05/2031 00:00:00	☾	19°08'13" ♎	-00°13'54"	-04°55'18"	13°00'05"	0.003	
03/05/2031 00:00:00	♀	15°40'09" ♀	03°29'04"	-02°54'15"	00°58'59"	0.839	
03/05/2031 00:00:00	♀	25°19'06" ♀	25°53'33"	02°32'35"	01°06'27"	0.949	
03/05/2031 00:00:00	♂	14°23'44" ♎	-15°34'41"	00°36'11"	-00°21'44"	0.561	
03/05/2031 00:00:00	♃	28°30'32" ♉	-22°54'08"	00°31'23"	-00°03'13"	4.546	
03/05/2031 00:00:00	♃	08°25'26" ♀	20°11'17"	-01°32'07"	00°07'17"	9.942	
03/05/2031 00:00:00	♃	20°38'44" ♀	23°12'42"	00°06'28"	00°02'57"	19.910	
03/05/2031 00:00:00	♃	14°08'48" ♀	04°11'31"	-01°30'10"	00°02'03"	30.734	
03/05/2031 00:00:00	♃	13°37'06" ♃	-22°50'47"	-06°23'30"	00°00'19"	36.797	
03/05/2031 00:00:00	♁	28°12'25" ♎	-19°45'22"	00°00'00"	-00°01'59"	0.002	
03/05/2031 00:00:00	♃	16°19'19" ♉	14°53'33"	-01°54'08"	00°03'58"	17.750	
03/05/2031 00:00:00	☾	08°12'01" ♉	19°55'49"	-03°15'21"	00°06'40"	0.003	
03/05/2031 00:00:00	♁	28°12'25" ♎	-19°45'22"		00°00'00"	-00°01'59"	0.002

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03/05/2031 00:00:00	T♄	03°04'44" ♉	20°22'53"	-03°01'02"	-03°05'26"	0.003
03/05/2031 00:00:00	X	26°36'43" ♀	01°29'38"	-09°23'21"	00°00'38"	95.991
03/05/2031 00:00:00	Y	04°35'33" ♀	09°37'13"	-11°36'59"	00°00'46"	82.627
04/05/2031 00:00:00	☉	13°21'41" ♉	15°50'45"	-00°00'00"	00°58'09"	1.008
04/05/2031 00:00:00	☾	02°20'02" ♋	-04°55'53"	-04°21'50"	13°23'42"	0.003
04/05/2031 00:00:00	♁	16°40'36" ♀	03°49'17"	-02°57'23"	01°01'54"	0.854
04/05/2031 00:00:00	♂	26°25'27" ♀	25°57'31" ♉	02°34'26"	01°06'15"	0.941
04/05/2031 00:00:00	♂	14°01'55" ♉	-15°30'41"	00°33'37"	-00°21'53"	0.560
04/05/2031 00:00:00	♃	28°27'13" ♉	-22°54'08"	00°31'20"	-00°03'23"	4.535
04/05/2031 00:00:00	♄	08°32'44" ♀	20°12'33"	-01°31'59"	00°07'18"	9.949
04/05/2031 00:00:00	♅	20°41'42" ♀	23°12'55"	00°06'28"	00°02'59"	19.921
04/05/2031 00:00:00	♆	14°10'50" ♀	04°12'17"	-01°30'12"	00°02'02"	30.726
04/05/2031 00:00:00	♇	13°37'24" ♋	-22°50'56"	-06°23'45"	00°00'17"	36.781
04/05/2031 00:00:00	♈	28°10'23" ♉	-19°44'55"	00°00'00"	-00°02'01"	0.002
04/05/2031 00:00:00	♉	16°23'17" ♉	14°54'36"	-01°54'12"	00°03'58"	17.750
04/05/2031 00:00:00	♊	08°18'41" ♉	19°54'43"	-03°16'02"	00°06'40"	0.003
04/05/2031 00:00:00	T♈	28°10'23" ♉	-19°44'55"	00°00'00"	-00°02'01"	0.002
04/05/2031 00:00:00	T♄	29°50'33" ♀	20°39'42"	-02°46'19"	-03°18'15"	0.003
04/05/2031 00:00:00	X	26°37'21" ♀	01°29'52"	-09°23'20"	00°00'37"	95.986

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04/05/2031 00:00:00	Y	04°36'19" ♀	09°37'24"	-11°36'55"	00°00'46"	82.633
05/05/2031 00:00:00	☉	14°19'50" ♄	16°08'06"	-00°00'00"	00°58'07"	1.008
05/05/2031 00:00:00	☾	15°55'39" ♁	-09°32'16"	-03°32'51"	13°47'21"	0.003
05/05/2031 00:00:00	♀	17°43'55" ♀	04°11'07"	-02°59'50"	01°04'42"	0.870
05/05/2031 00:00:00	♀	27°31'37" ♀	26°00'49" ♁	02°36'12"	01°06'03"	0.933
05/05/2031 00:00:00	♂	13°39'58" ♃	-15°26'38"	00°31'00"	-00°22'00"	0.558
05/05/2031 00:00:00	♃	28°23'44" ♄	-22°54'08"	00°31'18"	-00°03'34"	4.523
05/05/2031 00:00:00	♃	08°40'04" ♀	20°13'49"	-01°31'52"	00°07'20"	9.956
05/05/2031 00:00:00	♃	20°44'42" ♀	23°13'08"	00°06'29"	00°03'00"	19.931
05/05/2031 00:00:00	♃	14°12'52" ♀	04°13'02"	-01°30'13"	00°02'01"	30.718
05/05/2031 00:00:00	♁	13°37'41" ♁	-22°51'05"	-06°24'00"	00°00'15"	36.765
05/05/2031 00:00:00	♁	28°08'28" ♃	-19°44'30"	00°00'00"	-00°01'44"	0.002
05/05/2031 00:00:00	♃	16°27'15" ♄	14°55'40"	-01°54'16"	00°03'58"	17.750
05/05/2031 00:00:00	♁	08°25'22" ♁	19°53'38"	-03°16'43"	00°06'40"	0.003
05/05/2031 00:00:00	T♁	28°08'28" ♃	-19°44'30"	00°00'00"	-00°01'44"	0.002
05/05/2031 00:00:00	T♁	26°37'39" ♃	20°52'18"	-02°31'11"	-03°03'12"	0.003
05/05/2031 00:00:00	X	26°37'59" ♀	01°30'05"	-09°23'20"	00°00'37"	95.981
05/05/2031 00:00:00	Y	04°37'06" ♀	09°37'35"	-11°36'52"	00°00'46"	82.639
06/05/2031 00:00:00	☉	15°17'57" ♄	16°25'11"	-00°00'00"	00°58'06"	1.009

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06/05/2031 00:00:00	♃	29°54'06"	♄	-13°46'23"	-02°29'57"	14°09'02"	0.002
06/05/2031 00:00:00	♆	18°50'00"	♄	04°34'28"	-03°01'36"	01°07'25"	0.886
06/05/2031 00:00:00	♀	28°37'34"	♁	26°03'29"	♁ 02°37'53"	01°05'50"	0.926
06/05/2031 00:00:00	♂	13°17'55"	♃	-15°22'33"	00°28'23"	-00°22'04"	0.557
06/05/2031 00:00:00	♃	28°20'05"	♂	-22°54'08"	00°31'15"	-00°03'44"	4.512
06/05/2031 00:00:00	♃	08°47'26"	♁	20°15'04"	-01°31'44"	00°07'22"	9.963
06/05/2031 00:00:00	♃	20°47'44"	♁	23°13'20"	00°06'29"	00°03'02"	19.941
06/05/2031 00:00:00	♃	14°14'53"	♄	04°13'47"	-01°30'15"	00°02'00"	30.710
06/05/2031 00:00:00	♃	13°37'56"	♁	-22°51'15"	-06°24'15"	00°00'14"	36.748
06/05/2031 00:00:00	♁	28°06'59"	♃	-19°44'10"	00°00'00"	-00°01'12"	0.002
06/05/2031 00:00:00	♃	16°31'14"	♄	14°56'43"	-01°54'21"	00°03'58"	17.749
06/05/2031 00:00:00	♃	08°32'02"	♁	19°52'32"	-03°17'24"	00°06'40"	0.003
06/05/2031 00:00:00	T♁	28°06'59"	♃	-19°44'10"	00°00'00"	-00°01'12"	0.002
06/05/2031 00:00:00	T♃	23°50'38"	♁	20°59'53"	-02°17'42"	-02°28'56"	0.003
06/05/2031 00:00:00	X	26°38'36"	♄	01°30'19"	-09°23'20"	00°00'37"	95.976
06/05/2031 00:00:00	Y	04°37'53"	♁	09°37'46"	-11°36'48"	00°00'47"	82.644
07/05/2031 00:00:00	♄	16°16'02"	♄	16°42'00"	00°00'00"	00°58'04"	1.009
07/05/2031 00:00:00	♃	14°12'25"	♃	-17°18'42"	-01°16'15"	14°26'44"	0.002
07/05/2031 00:00:00	♆	19°58'46"	♄	04°59'16"	-03°02'43"	01°10'03"	0.902

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07/05/2031 00:00:00	♀	29°43'18" ♀	26°05'28" ♀	02°39'28"	01°05'37"	0.918
07/05/2031 00:00:00	♂	12°55'50" ♀	-15°18'26"	00°25'44"	-00°22'05"	0.556
07/05/2031 00:00:00	♃	28°16'16" ♀	-22°54'08"	00°31'13"	-00°03'54"	4.501
07/05/2031 00:00:00	♃	08°54'50" ♀	20°16'20"	-01°31'36"	00°07'24"	9.970
07/05/2031 00:00:00	♃	20°50'48" ♀	23°13'33"	00°06'29"	00°03'04"	19.950
07/05/2031 00:00:00	♃	14°16'53" ♀	04°14'32"	-01°30'17"	00°01'59"	30.701
07/05/2031 00:00:00	♃	13°38'09" ♀	-22°51'25"	-06°24'30"	00°00'12"	36.732
07/05/2031 00:00:00	♃	28°06'05" ♀	-19°43'58"	00°00'00"	-00°00'34"	0.002
07/05/2031 00:00:00	♃	16°35'13" ♀	14°57'46"	-01°54'25"	00°03'58"	17.748
07/05/2031 00:00:00	♃	08°38'43" ♀	19°51'26"	-03°18'05"	00°06'40"	0.003
07/05/2031 00:00:00	T♃	28°06'05" ♀	-19°43'58"	00°00'00"	-00°00'34"	0.002
07/05/2031 00:00:00	T♃	21°40'28" ♀	21°03'37"	-02°06'57"	-01°52'31"	0.003
07/05/2031 00:00:00	X	26°39'14" ♀	01°30'32"	-09°23'20"	00°00'37"	95.970
07/05/2031 00:00:00	Y	04°38'40" ♀	09°37'57"	-11°36'45"	00°00'47"	82.649
08/05/2031 00:00:00	♃	17°14'06" ♀	16°58'31"	00°00'00"	00°58'02"	1.009
08/05/2031 00:00:00	♃	28°45'44" ♀	-19°49'08"	00°03'41"	14°38'49"	0.002
08/05/2031 00:00:00	♃	21°10'06" ♀	05°25'28"	-03°03'11"	01°12'36"	0.918
08/05/2031 00:00:00	♀	00°48'49" ♀	26°06'49" ♀	02°40'57"	01°05'24"	0.910
08/05/2031 00:00:00	♂	12°33'45" ♀	-15°14'17"	00°23'04"	-00°22'04"	0.555

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08/05/2031 00:00:00	♃	28°12'17" ♏	-22°54'07"	00°31'10"	-00°04'03"	4.490
08/05/2031 00:00:00	♅	09°02'15" ♀	20°17'35"	-01°31'29"	00°07'26"	9.976
08/05/2031 00:00:00	♁	20°53'53" ♀	23°13'46"	00°06'30"	00°03'05"	19.960
08/05/2031 00:00:00	♆	14°18'52" ♀	04°15'16"	-01°30'19"	00°01'58"	30.692
08/05/2031 00:00:00	♁	13°38'21" ♁	-22°51'36"	-06°24'45"	00°00'11"	36.716
08/05/2031 00:00:00	♄	28°05'49" ♎	-19°43'54"	00°00'00"	00°00'01"	0.002
08/05/2031 00:00:00	♃	16°39'12" ♏	14°58'49"	-01°54'30"	00°03'58"	17.747
08/05/2031 00:00:00	♁	08°45'24" ♁	19°50'20"	-03°18'46"	00°06'40"	0.003
08/05/2031 00:00:00	T♄	28°05'49" ♎	-19°43'54"	00°00'00"	00°00'01"	0.002
08/05/2031 00:00:00	T♁	20°01'03" ♀	21°05'14"	-01°58'35"	-01°29'24"	0.003
08/05/2031 00:00:00	X	26°39'52" ♀	01°30'45"	-09°23'20"	00°00'37"	95.964
08/05/2031 00:00:00	Y	04°39'27" ♀	09°38'08"	-11°36'42"	00°00'47"	82.654
09/05/2031 00:00:00	♁	18°12'08" ♏	17°14'46"	00°00'00"	00°58'01"	1.009
09/05/2031 00:00:00	♃	13°27'52" ♏	-21°01'02"	01°24'13"	14°44'19"	0.002
09/05/2031 00:00:00	♁	22°23'58" ♀	05°53'00"	-03°03'00"	01°15'05"	0.934
09/05/2031 00:00:00	♁	01°54'08" ♁	26°07'31" ♁	02°42'20"	01°05'11"	0.902
09/05/2031 00:00:00	♁	12°11'43" ♎	-15°10'08"	00°20'23"	-00°22'00"	0.554
09/05/2031 00:00:00	♃	28°08'08" ♏	-22°54'07"	00°31'07"	-00°04'13"	4.479
09/05/2031 00:00:00	♅	09°09'42" ♀	20°18'49"	-01°31'22"	00°07'28"	9.982

Ephemerides year 2031

09/05/2031 00:00:00	♃	20°56'59" ♀	23°13'59"	00°06'30"	00°03'07"	19.969
09/05/2031 00:00:00	♃	14°20'50" ♂	04°16'00"	-01°30'21"	00°01'57"	30.683
09/05/2031 00:00:00	♃	13°38'32" ♀	-22°51'47"	-06°25'00"	00°00'09"	36.700
09/05/2031 00:00:00	♃	28°06'06" ♃	-19°43'57"	00°00'00"	00°00'28"	0.002
09/05/2031 00:00:00	♃	16°43'10" ♂	14°59'52"	-01°54'35"	00°03'58"	17.746
09/05/2031 00:00:00	♃	08°52'04" ♃	19°49'13"	-03°19'26"	00°06'40"	0.003
09/05/2031 00:00:00	♃	28°06'06" ♃	-19°43'57"	00°00'00"	00°00'28"	0.002
09/05/2031 00:00:00	♃	18°34'47" ♀	21°05'46"	-01°51'12"	-01°26'27"	0.003
09/05/2031 00:00:00	X	26°40'29" ♂	01°30'58"	-09°23'20"	00°00'37"	95.958
09/05/2031 00:00:00	Y	04°40'15" ♀	09°38'19"	-11°36'39"	00°00'47"	82.658
10/05/2031 00:00:00	♃	19°10'09" ♂	17°30'44"	00°00'00"	00°58'00"	1.010
10/05/2031 00:00:00	♃	28°12'08" ♂	-20°45'55"	02°39'23"	14°43'07"	0.002
10/05/2031 00:00:00	♃	23°40'17" ♂	06°21'48"	-03°02'13"	01°17'31"	0.950
10/05/2031 00:00:00	♀	02°59'12" ♃	26°07'34" ○	02°43'36"	01°04'57"	0.895
10/05/2031 00:00:00	♃	11°49'46" ♀	-15°05'59"	00°17'40"	-00°21'53"	0.554
10/05/2031 00:00:00	♃	28°03'50" ♂	-22°54'06"	00°31'04"	-00°04'23"	4.469
10/05/2031 00:00:00	♃	09°17'11" ♀	20°20'04"	-01°31'14"	00°07'29"	9.988
10/05/2031 00:00:00	♃	21°00'07" ♀	23°14'13"	00°06'31"	00°03'08"	19.978
10/05/2031 00:00:00	♃	14°22'48" ♂	04°16'44"	-01°30'23"	00°01'56"	30.673

Ephemerides year 2031

10/05/2031 00:00:00	♁	13°38'41" ♁	-22°51'59"	-06°25'15"	00°00'08"	36.684
10/05/2031 00:00:00	♁	28°06'42" ♁	-19°44'06"	00°00'00"	00°00'42"	0.002
10/05/2031 00:00:00	♁	16°47'09" ♁	15°00'55"	-01°54'39"	00°03'58"	17.745
10/05/2031 00:00:00	♁	08°58'45" ♁	19°48'06"	-03°20'07"	00°06'40"	0.003
10/05/2031 00:00:00	♁	28°06'42" ♁	-19°44'06"	00°00'00"	00°00'42"	0.002
10/05/2031 00:00:00	♁	17°02'57" ♁	21°05'28"	-01°43'12"	-01°38'38"	0.003
10/05/2031 00:00:00	X	26°41'06" ♁	01°31'11"	-09°23'20"	00°00'37"	95.952
10/05/2031 00:00:00	Y	04°41'03" ♁	09°38'30"	-11°36'36"	00°00'48"	82.662
11/05/2031 00:00:00	♁	20°08'08" ♁	17°46'24"	00°00'00"	00°57'58"	1.010
11/05/2031 00:00:00	♁	12°52'07" ♁	-19°06'00"	03°43'41"	14°35'56"	0.002
11/05/2031 00:00:00	♁	24°58'59" ♁	06°51'47"	-03°00'48"	01°19'53"	0.966
11/05/2031 00:00:00	♁	04°04'03" ♁	26°06'59" ♁	02°44'47"	01°04'44"	0.887
11/05/2031 00:00:00	♁	11°27'56" ♁	-15°01'51"	00°14'58"	-00°21'44"	0.553
11/05/2031 00:00:00	♁	27°59'22" ♁	-22°54'05"	00°31'01"	-00°04'32"	4.459
11/05/2031 00:00:00	♁	09°24'41" ♁	20°21'18"	-01°31'07"	00°07'31"	9.994
11/05/2031 00:00:00	♁	21°03'17" ♁	23°14'26"	00°06'31"	00°03'10"	19.987
11/05/2031 00:00:00	♁	14°24'44" ♁	04°17'27"	-01°30'25"	00°01'55"	30.664
11/05/2031 00:00:00	♁	13°38'48" ♁	-22°52'11"	-06°25'30"	00°00'06"	36.668
11/05/2031 00:00:00	♁	28°07'25" ♁	-19°44'15"	00°00'00"	00°00'41"	0.002

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11/05/2031 00:00:00	♄	16°51'08" ♉	15°01'58"	-01°54'44"	00°03'58"	17.743
11/05/2031 00:00:00	♁	09°05'26" ♉	19°47'00"	-03°20'47"	00°06'40"	0.003
11/05/2031 00:00:00	♁♁	28°07'25" ♎	-19°44'15"	00°00'00"	00°00'41"	0.002
11/05/2031 00:00:00	♁♁	15°18'08" ♉	21°04'00"	-01°33'57"	-01°48'41"	0.003
11/05/2031 00:00:00	X	26°41'43" ♀	01°31'24"	-09°23'20"	00°00'36"	95.945
11/05/2031 00:00:00	Y	04°41'52" ♀	09°38'41"	-11°36'34"	00°00'48"	82.666
12/05/2031 00:00:00	♁	21°06'06" ♉	18°01'47"	00°00'00"	00°57'57"	1.010
12/05/2031 00:00:00	♁	27°22'27" ♉	-16°13'02"	04°32'54"	14°24'03"	0.002
12/05/2031 00:00:00	♁	26°20'03" ♀	07°22'55"	-02°58'47"	01°22'12"	0.983
12/05/2031 00:00:00	♁	05°08'40" ♉	26°05'45"	02°45'51"	01°04'29"	0.879
12/05/2031 00:00:00	♁	11°06'17" ♎	-14°57'44"	00°12'14"	-00°21'33"	0.553
12/05/2031 00:00:00	♁	27°54'44" ♉	-22°54'04"	00°30'57"	-00°04'42"	4.449
12/05/2031 00:00:00	♁	09°32'13" ♀	20°22'32"	-01°31'01"	00°07'32"	9.999
12/05/2031 00:00:00	♁	21°06'27" ♀	23°14'39"	00°06'31"	00°03'11"	19.995
12/05/2031 00:00:00	♁	14°26'39" ♀	04°18'09"	-01°30'27"	00°01'54"	30.654
12/05/2031 00:00:00	♁	13°38'54" ♁	-22°52'24"	-06°25'45"	00°00'04"	36.652
12/05/2031 00:00:00	♁	28°08'02" ♎	-19°44'23"	00°00'00"	00°00'30"	0.002
12/05/2031 00:00:00	♁	16°55'07" ♉	15°03'00"	-01°54'49"	00°03'58"	17.741
12/05/2031 00:00:00	♁	09°12'07" ♉	19°45'53"	-03°21'27"	00°06'40"	0.003

Ephemerides year 2031

12/05/2031 00:00:00	T♄	28°08'02" ♎	-19°44'23"	00°00'00"	00°00'30"	0.002
12/05/2031 00:00:00	T♄	13°34'05" ♋	21°01'20"	-01°24'40"	-01°33'27"	0.003
12/05/2031 00:00:00	X	26°42'20" ♋	01°31'37"	-09°23'20"	00°00'36"	95.938
12/05/2031 00:00:00	Y	04°42'40" ♋	09°38'51"	-11°36'31"	00°00'48"	82.670
13/05/2031 00:00:00	☉	22°04'02" ♋	18°16'51"	00°00'00"	00°57'55"	1.010
13/05/2031 00:00:00	☾	11°39'12" ♎	-12°24'23"	05°04'23"	14°09'01"	0.002
13/05/2031 00:00:00	☿	27°43'24" ♋	07°55'06"	-02°56'10"	01°24'29"	0.999
13/05/2031 00:00:00	♀	06°13'03" ♎	26°03'54"	02°46'49"	01°04'15"	0.871
13/05/2031 00:00:00	♂	10°44'50" ♎	-14°53'40"	00°09'31"	-00°21'19"	0.553
13/05/2031 00:00:00	♃	27°49'57" ♋	-22°54'03"	00°30'54"	-00°04'51"	4.439
13/05/2031 00:00:00	♅	09°39'47" ♋	20°23'46"	-01°30'54"	00°07'33"	10.004
13/05/2031 00:00:00	♁	21°09'39" ♋	23°14'52"	00°06'32"	00°03'12"	20.004
13/05/2031 00:00:00	♆	14°28'33" ♋	04°18'51"	-01°30'29"	00°01'53"	30.644
13/05/2031 00:00:00	♁	13°38'58" ♎	-22°52'37"	-06°26'00"	00°00'03"	36.636
13/05/2031 00:00:00	♁	28°08'24" ♎	-19°44'28"	00°00'00"	00°00'13"	0.002
13/05/2031 00:00:00	♃	16°59'05" ♋	15°04'02"	-01°54'54"	00°03'58"	17.739
13/05/2031 00:00:00	♁	09°18'48" ♎	19°44'45"	-03°22'08"	00°06'40"	0.003
13/05/2031 00:00:00	T♄	28°08'24" ♎	-19°44'28"	00°00'00"	00°00'13"	0.002
13/05/2031 00:00:00	T♄	12°24'37" ♋	20°58'52"	-01°18'26"	-00°38'46"	0.003

Ephemerides year 2031

13/05/2031 00:00:00	X	26°42'56" ♀	01°31'49"	-09°23'21"	00°00'36"	95.931
13/05/2031 00:00:00	Y	04°43'29" ♀	09°39'02"	-11°36'29"	00°00'48"	82.673
14/05/2031 00:00:00	☉	23°01'58" ♂	18°31'36"	00°00'00"	00°57'54"	1.010
14/05/2031 00:00:00	☾	25°39'56" ♀	-07°58'51"	05°17'04"	13°52'17"	0.003
14/05/2031 00:00:00	♁	29°09'01" ♀	08°28'18"	-02°52'59"	01°26'44"	1.016
14/05/2031 00:00:00	♂	07°17'11" ♀	26°01'24" ♀	02°47'39"	01°04'00"	0.863
14/05/2031 00:00:00	♂	10°23'39" ♀	-14°49'38"	00°06'47"	-00°21'02"	0.554
14/05/2031 00:00:00	♃	27°45'01" ♂	-22°54'02"	00°30'50"	-00°05'00"	4.429
14/05/2031 00:00:00	♄	09°47'21" ♀	20°24'59"	-01°30'47"	00°07'35"	10.009
14/05/2031 00:00:00	♅	21°12'53" ♀	23°15'05"	00°06'32"	00°03'13"	20.012
14/05/2031 00:00:00	♆	14°30'26" ♀	04°19'33"	-01°30'31"	00°01'52"	30.634
14/05/2031 00:00:00	♇	13°39'00" ♀	-22°52'51"	-06°26'15"	00°00'01"	36.620
14/05/2031 00:00:00	♈	28°08'29" ♀	-19°44'29"	00°00'00"	-00°00'02"	0.002
14/05/2031 00:00:00	♉	17°03'04" ♂	15°05'04"	-01°54'59"	00°03'58"	17.736
14/05/2031 00:00:00	♊	09°25'28" ♀	19°43'38"	-03°22'48"	00°06'40"	0.003
14/05/2031 00:00:00	T♈	28°08'29" ♀	-19°44'29"	00°00'00"	-00°00'02"	0.002
14/05/2031 00:00:00	T♉	12°27'39" ♀	20°59'00"	-01°18'42"	00°48'41"	0.003
14/05/2031 00:00:00	X	26°43'32" ♀	01°32'01"	-09°23'21"	00°00'35"	95.924
14/05/2031 00:00:00	Y	04°44'17" ♀	09°39'12"	-11°36'27"	00°00'48"	82.676

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15/05/2031 00:00:00	♁	23°59'52" ♉	18°46'03"	00°00'00"	00°57'53"	1.011
15/05/2031 00:00:00	♃	09°23'39" ♈	-03°14'02"	05°11'18"	13°35'07"	0.003
15/05/2031 00:00:00	♆	00°36'53" ♉	09°02'26"	-02°49'13"	01°28'57"	1.032
15/05/2031 00:00:00	♀	08°21'04" ♉	25°58'17" ♁	02°48'23"	01°03'45"	0.855
15/05/2031 00:00:00	♂	10°02'46" ♎	-14°45'40"	00°04'03"	-00°20'43"	0.554
15/05/2031 00:00:00	♃	27°39'56" ♈	-22°54'00"	00°30'47"	-00°05'09"	4.420
15/05/2031 00:00:00	♅	09°54'57" ♊	20°26'12"	-01°30'41"	00°07'36"	10.014
15/05/2031 00:00:00	♁	21°16'07" ♊	23°15'19"	00°06'32"	00°03'15"	20.019
15/05/2031 00:00:00	♆	14°32'17" ♈	04°20'14"	-01°30'33"	00°01'51"	30.623
15/05/2031 00:00:00	♁	13°39'00" ♎	-22°53'05"	-06°26'30"	-00°00'00"	36.604
15/05/2031 00:00:00	♁	28°08'20" ♎	-19°44'28"	00°00'00"	-00°00'13"	0.002
15/05/2031 00:00:00	♆	17°07'02" ♉	15°06'05"	-01°55'05"	00°03'57"	17.733
15/05/2031 00:00:00	♁	09°32'09" ♉	19°42'30"	-03°23'28"	00°06'40"	0.003
15/05/2031 00:00:00	♁	28°08'20" ♎	-19°44'28"	00°00'00"	-00°00'13"	0.002
15/05/2031 00:00:00	♁	14°05'31" ♊	21°02'18"	-01°27'27"	02°26'43"	0.003
15/05/2031 00:00:00	X	26°44'08" ♈	01°32'13"	-09°23'22"	00°00'35"	95.916
15/05/2031 00:00:00	Y	04°45'06" ♊	09°39'23"	-11°36'25"	00°00'48"	82.679
16/05/2031 00:00:00	♁	24°57'45" ♉	19°00'11"	00°00'00"	00°57'52"	1.011
16/05/2031 00:00:00	♃	22°50'20" ♈	01°34'33"	04°48'28"	13°18'21"	0.003

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16/05/2031 00:00:00	♀	02°06'57" ♃	09°37'27"	-02°44'54"	01°31'10"	1.049
16/05/2031 00:00:00	♀	09°24'42" ♃	25°54'34" ♁	02°49'00"	01°03'29"	0.847
16/05/2031 00:00:00	♂	09°42'14" ♃	-14°41'47"	00°01'19"	-00°20'21"	0.555
16/05/2031 00:00:00	♃	27°34'42" ♃	-22°53'58"	00°30'43"	-00°05'18"	4.411
16/05/2031 00:00:00	♃	10°02'34" ♃	20°27'25"	-01°30'34"	00°07'37"	10.018
16/05/2031 00:00:00	♃	21°19'23" ♃	23°15'32"	00°06'33"	00°03'16"	20.027
16/05/2031 00:00:00	♃	14°34'08" ♃	04°20'55"	-01°30'35"	00°01'49"	30.613
16/05/2031 00:00:00	♃	13°38'59" ♃	-22°53'19"	-06°26'45"	-00°00'01"	36.588
16/05/2031 00:00:00	♃	28°08'04" ♃	-19°44'24"	00°00'00"	-00°00'17"	0.002
16/05/2031 00:00:00	♃	17°10'59" ♃	15°07'07"	-01°55'10"	00°03'57"	17.730
16/05/2031 00:00:00	♃	09°38'50" ♃	19°41'22"	-03°24'08"	00°06'40"	0.003
16/05/2031 00:00:00	♃	28°08'04" ♃	-19°44'24"	00°00'00"	-00°00'17"	0.002
16/05/2031 00:00:00	♃	17°16'42" ♃	21°05'39"	-01°44'20"	03°51'51"	0.003
16/05/2031 00:00:00	X	26°44'43" ♃	01°32'25"	-09°23'22"	00°00'35"	95.908
16/05/2031 00:00:00	Y	04°45'55" ♃	09°39'33"	-11°36'23"	00°00'48"	82.681
17/05/2031 00:00:00	♃	25°55'36" ♃	19°14'00"	00°00'00"	00°57'51"	1.011
17/05/2031 00:00:00	♃	06°00'41" ♃	06°13'25"	04°10'47"	13°02'31"	0.003
17/05/2031 00:00:00	♀	03°39'12" ♃	10°13'16"	-02°40'02"	01°33'21"	1.065
17/05/2031 00:00:00	♀	10°28'04" ♃	25°50'13" ♁	02°49'29"	01°03'13"	0.840

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17/05/2031 00:00:00	♂	09°22'05" ♍	-14°37'58"	-00°01'23"	-00°19'56"	0.556
17/05/2031 00:00:00	♃	27°29'20" ♏	-22°53'56"	00°30'39"	-00°05'26"	4.402
17/05/2031 00:00:00	♅	10°10'12" ♁	20°28'37"	-01°30'28"	00°07'38"	10.023
17/05/2031 00:00:00	♁	21°22'40" ♁	23°15'45"	00°06'33"	00°03'17"	20.034
17/05/2031 00:00:00	♃	14°35'57" ♏	04°21'35"	-01°30'37"	00°01'48"	30.602
17/05/2031 00:00:00	♁	13°38'57" ♁	-22°53'34"	-06°27'00"	-00°00'03"	36.572
17/05/2031 00:00:00	♁	28°07'47" ♍	-19°44'20"	00°00'00"	-00°00'15"	0.002
17/05/2031 00:00:00	♃	17°14'56" ♏	15°08'08"	-01°55'16"	00°03'57"	17.727
17/05/2031 00:00:00	♁	09°45'30" ♁	19°40'14"	-03°24'47"	00°06'40"	0.003
17/05/2031 00:00:00	♁♁	28°07'47" ♍	-19°44'20"	00°00'00"	-00°00'15"	0.002
17/05/2031 00:00:00	♁♃	21°39'17" ♁	21°03'31"	-02°06'59"	04°47'23"	0.003
17/05/2031 00:00:00	X	26°45'18" ♏	01°32'36"	-09°23'23"	00°00'34"	95.900
17/05/2031 00:00:00	Y	04°46'44" ♁	09°39'43"	-11°36'21"	00°00'49"	82.684
18/05/2031 00:00:00	♁	26°53'27" ♏	19°27'29"	00°00'00"	00°57'49"	1.011
18/05/2031 00:00:00	♁	18°55'48" ♏	10°30'33"	03°20'56"	12°47'53"	0.003
18/05/2031 00:00:00	♁	05°13'39" ♏	10°49'50"	-02°34'38"	01°35'31"	1.082
18/05/2031 00:00:00	♀	11°31'10" ♁	25°45'17" ♁	02°49'51"	01°02'57"	0.832
18/05/2031 00:00:00	♂	09°02'21" ♍	-14°34'16"	-00°04'06"	-00°19'30"	0.556
18/05/2031 00:00:00	♃	27°23'49" ♏	-22°53'54"	00°30'35"	-00°05'35"	4.394

Ephemerides year 2031

18/05/2031 00:00:00	♄	10°17'52" ♀	20°29'49"	-01°30'22"	00°07'39"	10.027
18/05/2031 00:00:00	♃	21°25'58" ♀	23°15'58"	00°06'34"	00°03'18"	20.042
18/05/2031 00:00:00	♃	14°37'45" ♂	04°22'14"	-01°30'40"	00°01'47"	30.591
18/05/2031 00:00:00	♃	13°38'52" ♀	-22°53'50"	-06°27'15"	-00°00'05"	36.557
18/05/2031 00:00:00	♃	28°07'35" ♀	-19°44'17"	00°00'00"	-00°00'08"	0.002
18/05/2031 00:00:00	♃	17°18'53" ♂	15°09'08"	-01°55'21"	00°03'56"	17.723
18/05/2031 00:00:00	♃	09°52'11" ♀	19°39'05"	-03°25'27"	00°06'40"	0.003
18/05/2031 00:00:00	♃	28°07'35" ♀	-19°44'17"	00°00'00"	-00°00'08"	0.002
18/05/2031 00:00:00	♃	26°38'40" ♀	20°51'38"	-02°31'52"	05°04'41"	0.003
18/05/2031 00:00:00	X	26°45'53" ♂	01°32'48"	-09°23'24"	00°00'34"	95.892
18/05/2031 00:00:00	Y	04°47'33" ♀	09°39'53"	-11°36'19"	00°00'49"	82.686
19/05/2031 00:00:00	♃	27°51'16" ♂	19°40'39"	00°00'00"	00°57'48"	1.012
19/05/2031 00:00:00	♃	01°36'55" ♂	14°15'07"	02°22'00"	12°34'33"	0.003
19/05/2031 00:00:00	♃	06°50'16" ♂	11°27'04"	-02°28'43"	01°37'41"	1.098
19/05/2031 00:00:00	♃	12°33'59" ♀	25°39'44" ♀	02°50'06"	01°02'40"	0.824
19/05/2031 00:00:00	♃	08°43'05" ♀	-14°30'40"	-00°06'49"	-00°19'00"	0.558
19/05/2031 00:00:00	♃	27°18'10" ♂	-22°53'51"	00°30'31"	-00°05'43"	4.385
19/05/2031 00:00:00	♄	10°25'32" ♀	20°31'01"	-01°30'16"	00°07'41"	10.030
19/05/2031 00:00:00	♃	21°29'17" ♀	23°16'11"	00°06'34"	00°03'19"	20.048

Ephemerides year 2031

19/05/2031 00:00:00	♁	14°39'32"	♄	04°22'53"	-01°30'42"	00°01'46"	30.579
19/05/2031 00:00:00	♁	13°38'47"	♁	-22°54'06"	-06°27'30"	-00°00'06"	36.541
19/05/2031 00:00:00	♁	28°07'30"	♄	-19°44'16"	00°00'00"	-00°00'01"	0.002
19/05/2031 00:00:00	♁	17°22'50"	♄	15°10'09"	-01°55'27"	00°03'56"	17.719
19/05/2031 00:00:00	♁	09°58'52"	♁	19°37'57"	-03°26'07"	00°06'40"	0.003
19/05/2031 00:00:00	T♁	28°07'30"	♄	-19°44'16"	00°00'00"	-00°00'01"	0.002
19/05/2031 00:00:00	T♁	01°35'46"	♁	20°30'02"	-02°55'24"	04°43'35"	0.003
19/05/2031 00:00:00	X	26°46'27"	♄	01°32'59"	-09°23'25"	00°00'34"	95.883
19/05/2031 00:00:00	Y	04°48'22"	♁	09°40'02"	-11°36'18"	00°00'49"	82.687
20/05/2031 00:00:00	♁	28°49'04"	♄	19°53'28"	00°00'00"	00°57'47"	1.012
20/05/2031 00:00:00	♁	14°05'23"	♄	17°17'30"	01°17'11"	12°22'35"	0.003
20/05/2031 00:00:00	♁	08°29'02"	♄	12°04'53"	-02°22'17"	01°39'51"	1.114
20/05/2031 00:00:00	♁	13°36'31"	♁	25°33'37"	02°50'12"	01°02'23"	0.816
20/05/2031 00:00:00	♁	08°24'20"	♄	-14°27'11"	-00°09'30"	-00°18'29"	0.559
20/05/2031 00:00:00	♁	27°12'23"	♁	-22°53'48"	00°30'27"	-00°05'50"	4.377
20/05/2031 00:00:00	♁	10°33'14"	♁	20°32'12"	-01°30'10"	00°07'41"	10.034
20/05/2031 00:00:00	♁	21°32'38"	♁	23°16'24"	00°06'34"	00°03'20"	20.055
20/05/2031 00:00:00	♁	14°41'18"	♄	04°23'32"	-01°30'44"	00°01'45"	30.568
20/05/2031 00:00:00	♁	13°38'39"	♁	-22°54'22"	-06°27'45"	-00°00'08"	36.525

Ephemerides year 2031

20/05/2031 00:00:00	♋	28°07'31" ♎	-19°44'16"	00°00'00"	00°00'02"	0.002
20/05/2031 00:00:00	♌	17°26'46" ♏	15°11'09"	-01°55'33"	00°03'55"	17.715
20/05/2031 00:00:00	♍	10°05'32" ♐	19°36'48"	-03°26'46"	00°06'40"	0.003
20/05/2031 00:00:00	T♋	28°07'31" ♎	-19°44'16"	00°00'00"	00°00'02"	0.002
20/05/2031 00:00:00	T♍	05°55'57" ♐	20°03'18"	-03°14'55"	03°53'05"	0.003
20/05/2031 00:00:00	X	26°47'02" ♏	01°33'10"	-09°23'26"	00°00'34"	95.874
20/05/2031 00:00:00	Y	04°49'12" ♏	09°40'12"	-11°36'17"	00°00'49"	82.689
21/05/2031 00:00:00	♎	29°46'50" ♏	20°05'57"	00°00'00"	00°57'45"	1.012
21/05/2031 00:00:00	♏	26°22'35" ♏	19°29'46"	00°09'43"	12°12'03"	0.003
21/05/2031 00:00:00	♐	10°09'58" ♏	12°43'13"	-02°15'22"	01°42'00"	1.130
21/05/2031 00:00:00	♑	14°38'45" ♐	25°26'54" ♏	02°50'11"	01°02'05"	0.808
21/05/2031 00:00:00	♒	08°06'07" ♎	-14°23'51"	-00°12'10"	-00°17'55"	0.560
21/05/2031 00:00:00	♓	27°06'28" ♏	-22°53'45"	00°30'22"	-00°05'58"	4.370
21/05/2031 00:00:00	♈	10°40'56" ♏	20°33'23"	-01°30'04"	00°07'42"	10.037
21/05/2031 00:00:00	♉	21°35'59" ♏	23°16'37"	00°06'35"	00°03'21"	20.061
21/05/2031 00:00:00	♊	14°43'02" ♏	04°24'10"	-01°30'47"	00°01'43"	30.556
21/05/2031 00:00:00	♋	13°38'30" ♏	-22°54'39"	-06°28'00"	-00°00'09"	36.510
21/05/2031 00:00:00	♌	28°07'33" ♎	-19°44'17"	00°00'00"	00°00'00"	0.002
21/05/2031 00:00:00	♍	17°30'41" ♏	15°12'09"	-01°55'39"	00°03'55"	17.711

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21/05/2031 00:00:00	☾	10°12'13" ♉	19°35'39"	-03°27'26"	00°06'40"	0.003
21/05/2031 00:00:00	♄	28°07'33" ♉	-19°44'17"	00°00'00"	00°00'00"	0.002
21/05/2031 00:00:00	♄	09°17'47" ♉	19°37'41"	-03°29'16"	02°50'06"	0.003
21/05/2031 00:00:00	X	26°47'36" ♀	01°33'21"	-09°23'27"	00°00'33"	95.865
21/05/2031 00:00:00	Y	04°50'01" ♀	09°40'21"	-11°36'15"	00°00'49"	82.690
22/05/2031 00:00:00	☉	00°44'36" ♀	20°18'05"	00°00'00"	00°57'44"	1.012
22/05/2031 00:00:00	☾	08°30'03" ♀	20°46'23"	-00°57'18"	12°03'09"	0.003
22/05/2031 00:00:00	♁	11°53'04" ♀	13°21'59"	-02°07'58"	01°44'10"	1.146
22/05/2031 00:00:00	♂	15°40'42" ♉	25°19'38"	02°50'02"	01°01'47"	0.800
22/05/2031 00:00:00	♂	07°48'29" ♉	-14°20'39"	-00°14'50"	-00°17'20"	0.562
22/05/2031 00:00:00	♃	27°00'26" ♀	-22°53'41"	00°30'18"	-00°06'05"	4.362
22/05/2031 00:00:00	♃	10°48'39" ♀	20°34'33"	-01°29'59"	00°07'43"	10.040
22/05/2031 00:00:00	♃	21°39'22" ♀	23°16'51"	00°06'35"	00°03'22"	20.067
22/05/2031 00:00:00	♃	14°44'45" ♀	04°24'48"	-01°30'49"	00°01'42"	30.544
22/05/2031 00:00:00	♃	13°38'20" ♀	-22°54'56"	-06°28'14"	-00°00'11"	36.494
22/05/2031 00:00:00	♄	28°07'31" ♉	-19°44'16"	00°00'00"	-00°00'06"	0.002
22/05/2031 00:00:00	♃	17°34'36" ♀	15°13'08"	-01°55'45"	00°03'54"	17.706
22/05/2031 00:00:00	☾	10°18'54" ♉	19°34'29"	-03°28'05"	00°06'40"	0.003
22/05/2031 00:00:00	♄	28°07'31" ♉	-19°44'16"	00°00'00"	-00°00'06"	0.002

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22/05/2031 00:00:00	T♄	11°38'21" ♉	19°17'25"	-03°38'50"	01°53'27"	0.003
22/05/2031 00:00:00	X	26°48'09" ♀	01°33'31"	-09°23'28"	00°00'33"	95.856
22/05/2031 00:00:00	Y	04°50'51" ♉	09°40'31"	-11°36'14"	00°00'49"	82.691
23/05/2031 00:00:00	☉	01°42'20" ♉	20°29'52"	00°00'00"	00°57'43"	1.012
23/05/2031 00:00:00	☾	20°29'32" ♉	21°04'50"	-02°01'03"	11°56'08"	0.003
23/05/2031 00:00:00	♁	13°38'19" ♉	14°01'04"	-02°00'07"	01°46'19"	1.162
23/05/2031 00:00:00	♂	16°42'19" ♉	25°11'48" ♀	02°49'45"	01°01'28"	0.792
23/05/2031 00:00:00	♂	07°31'27" ♉	-14°17'36"	-00°17'27"	-00°16'43"	0.564
23/05/2031 00:00:00	♂	26°54'16" ♉	-22°53'38"	00°30'13"	-00°06'13"	4.355
23/05/2031 00:00:00	♂	10°56'24" ♉	20°35'43"	-01°29'53"	00°07'44"	10.043
23/05/2031 00:00:00	♂	21°42'45" ♉	23°17'04"	00°06'36"	00°03'23"	20.073
23/05/2031 00:00:00	♂	14°46'27" ♉	04°25'24"	-01°30'52"	00°01'41"	30.532
23/05/2031 00:00:00	♂	13°38'07" ♉	-22°55'14"	-06°28'29"	-00°00'12"	36.479
23/05/2031 00:00:00	♂	28°07'18" ♉	-19°44'13"	00°00'00"	-00°00'18"	0.002
23/05/2031 00:00:00	♂	17°38'30" ♉	15°14'07"	-01°55'51"	00°03'53"	17.701
23/05/2031 00:00:00	♂	10°25'35" ♉	19°33'20"	-03°28'44"	00°06'40"	0.003
23/05/2031 00:00:00	T♄	28°07'18" ♉	-19°44'13"	00°00'00"	-00°00'18"	0.002
23/05/2031 00:00:00	T♄	13°11'09" ♉	19°02'58"	-03°44'55"	01°15'44"	0.003
23/05/2031 00:00:00	X	26°48'43" ♀	01°33'42"	-09°23'30"	00°00'33"	95.846

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23/05/2031 00:00:00	Y	04°51'41" ♀	09°40'40"	-11°36'13"	00°00'49"	82.692
24/05/2031 00:00:00	☉	02°40'02" ♀	20°41'18"	-00°00'00"	00°57'41"	1.013
24/05/2031 00:00:00	☾	02°23'06" ♀	20°25'47"	-02°58'58"	11°51'24"	0.003
24/05/2031 00:00:00	♁	15°25'43" ♀	14°40'24"	-01°51'50"	01°48'28"	1.177
24/05/2031 00:00:00	♂	17°43'38" ♀	25°03'25" ♀	02°49'20"	01°01'08"	0.784
24/05/2031 00:00:00	♂	07°15'03" ♀	-14°14'43"	-00°20'04"	-00°16'04"	0.566
24/05/2031 00:00:00	♃	26°48'00" ♀	-22°53'33"	00°30'08"	-00°06'19"	4.348
24/05/2031 00:00:00	♄	11°04'08" ♀	20°36'53"	-01°29'48"	00°07'45"	10.046
24/05/2031 00:00:00	♅	21°46'10" ♀	23°17'17"	00°06'36"	00°03'24"	20.079
24/05/2031 00:00:00	♆	14°48'08" ♀	04°26'01"	-01°30'54"	00°01'39"	30.520
24/05/2031 00:00:00	♇	13°37'54" ♀	-22°55'32"	-06°28'44"	-00°00'14"	36.464
24/05/2031 00:00:00	♈	28°06'52" ♀	-19°44'08"	00°00'00"	-00°00'32"	0.002
24/05/2031 00:00:00	♉	17°42'24" ♀	15°15'06"	-01°55'58"	00°03'53"	17.696
24/05/2031 00:00:00	♊	10°32'16" ♀	19°32'10"	-03°29'23"	00°06'40"	0.003
24/05/2031 00:00:00	T♈	28°06'52" ♀	-19°44'08"	00°00'00"	-00°00'32"	0.002
24/05/2031 00:00:00	T♉	14°16'42" ♀	18°52'15"	-03°49'07"	00°58'17"	0.003
24/05/2031 00:00:00	X	26°49'16" ♀	01°33'52"	-09°23'31"	00°00'32"	95.837
24/05/2031 00:00:00	Y	04°52'30" ♀	09°40'49"	-11°36'13"	00°00'49"	82.692
25/05/2031 00:00:00	☉	03°37'43" ♀	20°52'23"	-00°00'00"	00°57'40"	1.013

Ephemerides year 2031

25/05/2031 00:00:00	♃	14°13'15" ♉	18°52'50"	-03°48'53"	11°49'22"	0.003
25/05/2031 00:00:00	♆	17°15'16" ♄	15°19'52"	-01°43'08"	01°50'37"	1.192
25/05/2031 00:00:00	♀	18°44'36" ♀	24°54'30" ♁	02°48'46"	01°00'47"	0.776
25/05/2031 00:00:00	♂	06°59'19" ♄	-14°12'01"	-00°22'39"	-00°15'23"	0.568
25/05/2031 00:00:00	♃	26°41'36" ♉	-22°53'29"	00°30'03"	-00°06'26"	4.341
25/05/2031 00:00:00	♁	11°11'54" ♉	20°38'02"	-01°29'43"	00°07'45"	10.048
25/05/2031 00:00:00	♁	21°49'35" ♉	23°17'30"	00°06'37"	00°03'25"	20.084
25/05/2031 00:00:00	♃	14°49'47" ♉	04°26'37"	-01°30'57"	00°01'38"	30.507
25/05/2031 00:00:00	♁	13°37'38" ♉	-22°55'50"	-06°28'58"	-00°00'16"	36.448
25/05/2031 00:00:00	♁	28°06'13" ♄	-19°43'59"	00°00'00"	-00°00'44"	0.002
25/05/2031 00:00:00	♄	17°46'17" ♄	15°16'04"	-01°56'04"	00°03'52"	17.691
25/05/2031 00:00:00	♁	10°38'57" ♉	19°31'00"	-03°30'02"	00°06'40"	0.003
25/05/2031 00:00:00	♁	28°06'13" ♄	-19°43'59"	00°00'00"	-00°00'44"	0.002
25/05/2031 00:00:00	♁	15°11'55" ♉	18°42'54"	-03°52'36"	00°53'20"	0.003
25/05/2031 00:00:00	X	26°49'48" ♉	01°34'02"	-09°23'33"	00°00'32"	95.827
25/05/2031 00:00:00	Y	04°53'20" ♉	09°40'58"	-11°36'12"	00°00'49"	82.692
26/05/2031 00:00:00	♁	04°35'23" ♉	21°03'07"	-00°00'00"	00°57'38"	1.013
26/05/2031 00:00:00	♃	26°02'56" ♉	16°31'39"	-04°28'59"	11°50'33"	0.003
26/05/2031 00:00:00	♆	19°06'57" ♄	15°59'20"	-01°34'03"	01°52'44"	1.207

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26/05/2031 00:00:00	♀	19°45'14" ♉	24°45'03" ♉	02°48'03"	01°00'26"	0.768
26/05/2031 00:00:00	♂	06°44'16" ♎	-14°09'29"	-00°25'12"	-00°14'41"	0.570
26/05/2031 00:00:00	♃	26°35'07" ♌	-22°53'24"	00°29'58"	-00°06'32"	4.335
26/05/2031 00:00:00	♅	11°19'40" ♊	20°39'10"	-01°29'38"	00°07'46"	10.050
26/05/2031 00:00:00	♁	21°53'01" ♋	23°17'43"	00°06'37"	00°03'26"	20.089
26/05/2031 00:00:00	♆	14°51'25" ♏	04°27'12"	-01°30'59"	00°01'37"	30.495
26/05/2031 00:00:00	♄	13°37'22" ♉	-22°56'09"	-06°29'13"	-00°00'17"	36.433
26/05/2031 00:00:00	♁	28°05'24" ♎	-19°43'48"	00°00'00"	-00°00'50"	0.002
26/05/2031 00:00:00	♃	17°50'09" ♌	15°17'02"	-01°56'10"	00°03'51"	17.685
26/05/2031 00:00:00	♁	10°45'38" ♉	19°29'50"	-03°30'41"	00°06'40"	0.003
26/05/2031 00:00:00	T♁	28°05'24" ♎	-19°43'48"	00°00'00"	-00°00'50"	0.002
26/05/2031 00:00:00	T♄	16°03'57" ♉	18°33'49"	-03°55'50"	00°50'11"	0.003
26/05/2031 00:00:00	X	26°50'21" ♏	01°34'12"	-09°23'34"	00°00'32"	95.816
26/05/2031 00:00:00	Y	04°54'10" ♊	09°41'07"	-11°36'11"	00°00'49"	82.692
27/05/2031 00:00:00	☾	05°33'01" ♊	21°13'28"	-00°00'00"	00°57'37"	1.013
27/05/2031 00:00:00	♃	07°55'35" ♌	13°28'58"	-04°57'44"	11°55'23"	0.003
27/05/2031 00:00:00	♆	21°00'46" ♏	16°38'42"	-01°24'36"	01°54'51"	1.221
27/05/2031 00:00:00	♀	20°45'30" ♉	24°35'05" ♉	02°47'12"	01°00'05"	0.759
27/05/2031 00:00:00	♂	06°29'56" ♎	-14°07'09"	-00°27'43"	-00°13'58"	0.573

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27/05/2031 00:00:00	♃	26°28'30"	♌r	-22°53'19"	00°29'53"	-00°06'39"	4.328
27/05/2031 00:00:00	♅	11°27'26"	♈	20°40'18"	-01°29'33"	00°07'46"	10.052
27/05/2031 00:00:00	♅	21°56'28"	♈	23°17'56"	00°06'37"	00°03'27"	20.094
27/05/2031 00:00:00	♆	14°53'01"	♏	04°27'47"	-01°31'02"	00°01'35"	30.482
27/05/2031 00:00:00	♁	13°37'03"	♋r	-22°56'29"	-06°29'28"	-00°00'19"	36.418
27/05/2031 00:00:00	♁	28°04'34"	♏r	-19°43'37"	00°00'00"	-00°00'47"	0.002
27/05/2031 00:00:00	♃	17°54'00"	♌	15°18'00"	-01°56'17"	00°03'50"	17.679
27/05/2031 00:00:00	♁	10°52'19"	♈	19°28'40"	-03°31'20"	00°06'40"	0.003
27/05/2031 00:00:00	T♁	28°04'34"	♏r	-19°43'37"	00°00'00"	-00°00'47"	0.002
27/05/2031 00:00:00	T♁	16°49'54"	♈	18°25'34"	-03°58'40"	00°39'58"	0.003
27/05/2031 00:00:00	X	26°50'53"	♏	01°34'22"	-09°23'36"	00°00'31"	95.806
27/05/2031 00:00:00	Y	04°55'00"	♈	09°41'16"	-11°36'11"	00°00'49"	82.691
28/05/2031 00:00:00	♁	06°30'38"	♈	21°23'28"	-00°00'00"	00°57'36"	1.013
28/05/2031 00:00:00	♃	19°55'04"	♌	09°51'58"	-05°13'50"	12°04'17"	0.003
28/05/2031 00:00:00	♃	22°56'39"	♌	17°17'49"	-01°14'50"	01°56'55"	1.234
28/05/2031 00:00:00	♁	21°45'24"	♈	24°24'36"	02°46'11"	00°59'42"	0.751
28/05/2031 00:00:00	♂	06°16'20"	♏r	-14°05'01"	-00°30'13"	-00°13'13"	0.575
28/05/2031 00:00:00	♃	26°21'48"	♌r	-22°53'14"	00°29'48"	-00°06'44"	4.322
28/05/2031 00:00:00	♅	11°35'13"	♈	20°41'26"	-01°29'28"	00°07'47"	10.054

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28/05/2031 00:00:00	♃	21°59'55" ♀	23°18'09"	00°06'38"	00°03'27"	20.099
28/05/2031 00:00:00	♃	14°54'36" ♂	04°28'21"	-01°31'05"	00°01'34"	30.469
28/05/2031 00:00:00	♃	13°36'43" ♃	-22°56'48"	-06°29'42"	-00°00'20"	36.403
28/05/2031 00:00:00	♃	28°03'52" ♃	-19°43'27"	00°00'00"	-00°00'34"	0.002
28/05/2031 00:00:00	♃	17°57'50" ♂	15°18'57"	-01°56'24"	00°03'49"	17.673
28/05/2031 00:00:00	♃	10°59'00" ♃	19°27'29"	-03°31'58"	00°06'40"	0.003
28/05/2031 00:00:00	T♃	28°03'52" ♃	-19°43'27"	00°00'00"	-00°00'34"	0.002
28/05/2031 00:00:00	T♃	17°19'44" ♃	18°20'05"	-04°00'30"	00°17'22"	0.003
28/05/2031 00:00:00	X	26°51'24" ♂	01°34'31"	-09°23'37"	00°00'31"	95.795
28/05/2031 00:00:00	Y	04°55'49" ♀	09°41'24"	-11°36'11"	00°00'49"	82.690
29/05/2031 00:00:00	♃	07°28'13" ♀	21°33'05"	-00°00'00"	00°57'34"	1.013
29/05/2031 00:00:00	♃	02°05'35" ♃	05°48'00"	-05°16'14"	12°17'28"	0.003
29/05/2031 00:00:00	♃	24°54'36" ♂	17°56'32"	-01°04'47"	01°58'57"	1.247
29/05/2031 00:00:00	♀	22°44'55" ♃	24°13'39" ○	02°45'02"	00°59'19"	0.743
29/05/2031 00:00:00	♃	06°03'28" ♃	-14°03'05"	-00°32'40"	-00°12'28"	0.578
29/05/2031 00:00:00	♃	26°15'01" ♂	-22°53'08"	00°29'42"	-00°06'50"	4.317
29/05/2031 00:00:00	♃	11°43'00" ♀	20°42'33"	-01°29'23"	00°07'47"	10.055
29/05/2031 00:00:00	♃	22°03'23" ♀	23°18'22"	00°06'38"	00°03'28"	20.103
29/05/2031 00:00:00	♃	14°56'09" ♂	04°28'54"	-01°31'07"	00°01'32"	30.455

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29/05/2031 00:00:00	♁	13°36'21" ♋	-22°57'08"	-06°29'56"	-00°00'22"	36.389
29/05/2031 00:00:00	♁	28°03'28" ♋	-19°43'22"	00°00'00"	-00°00'12"	0.002
29/05/2031 00:00:00	♋	18°01'40" ♋	15°19'54"	-01°56'30"	00°03'48"	17.666
29/05/2031 00:00:00	♋	11°05'41" ♋	19°26'18"	-03°32'37"	00°06'40"	0.003
29/05/2031 00:00:00	♁	28°03'28" ♋	-19°43'22"	00°00'00"	-00°00'12"	0.002
29/05/2031 00:00:00	♁	17°20'00" ♋	18°20'00"	-04°00'33"	-00°19'02"	0.003
29/05/2031 00:00:00	X	26°51'55" ♋	01°34'40"	-09°23'39"	00°00'30"	95.784
29/05/2031 00:00:00	Y	04°56'39" ♋	09°41'32"	-11°36'11"	00°00'49"	82.689
30/05/2031 00:00:00	♁	08°25'47" ♋	21°42'19"	-00°00'00"	00°57'33"	1.014
30/05/2031 00:00:00	♁	14°31'28" ♋	01°24'43"	-05°04'05"	12°34'58"	0.003
30/05/2031 00:00:00	♋	26°54'32" ♋	18°34'41"	-00°54'29"	02°00'54"	1.259
30/05/2031 00:00:00	♋	23°44'02" ♋	24°02'12" ♋	02°43'43"	00°58'55"	0.735
30/05/2031 00:00:00	♋	05°51'23" ♋	-14°01'21"	-00°35'06"	-00°11'42"	0.581
30/05/2031 00:00:00	♋	26°08'08" ♋	-22°53'01"	00°29'37"	-00°06'55"	4.311
30/05/2031 00:00:00	♋	11°50'48" ♋	20°43'40"	-01°29'19"	00°07'47"	10.056
30/05/2031 00:00:00	♋	22°06'52" ♋	23°18'35"	00°06'39"	00°03'29"	20.107
30/05/2031 00:00:00	♋	14°57'41" ♋	04°29'27"	-01°31'10"	00°01'31"	30.442
30/05/2031 00:00:00	♁	13°35'58" ♋	-22°57'29"	-06°30'11"	-00°00'23"	36.374
30/05/2031 00:00:00	♁	28°03'30" ♋	-19°43'22"	00°00'00"	00°00'14"	0.002

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30/05/2031 00:00:00	♄	18°05'28" ♉	15°20'50"	-01°56'37"	00°03'47"	17.659
30/05/2031 00:00:00	♁	11°12'21" ♉	19°25'07"	-03°33'16"	00°06'40"	0.003
30/05/2031 00:00:00	♁♁	28°03'30" ♎	-19°43'22"	00°00'00"	00°00'14"	0.002
30/05/2031 00:00:00	♁♁	16°37'57" ♉	18°27'40"	-03°58'00"	-01°06'23"	0.003
30/05/2031 00:00:00	X	26°52'26" ♀	01°34'49"	-09°23'41"	00°00'30"	95.773
30/05/2031 00:00:00	Y	04°57'29" ♀	09°41'41"	-11°36'11"	00°00'49"	82.688
31/05/2031 00:00:00	♁	09°23'20" ♀	21°51'12"	-00°00'00"	00°57'31"	1.014
31/05/2031 00:00:00	♁	27°16'52" ♎	-03°09'12"	-04°36'52"	12°56'24"	0.003
31/05/2031 00:00:00	♀	28°56'24" ♉	19°12'07"	-00°43'59"	02°02'47"	1.271
31/05/2031 00:00:00	♀	24°42'45" ♉	23°50'17" ♁	02°42'15"	00°58'30"	0.727
31/05/2031 00:00:00	♂	05°40'04" ♎	-13°59'50"	-00°37'29"	-00°10'55"	0.584
31/05/2031 00:00:00	♁	26°01'09" ♉	-22°52'55"	00°29'31"	-00°07'00"	4.306
31/05/2031 00:00:00	♁	11°58'35" ♀	20°44'46"	-01°29'14"	00°07'47"	10.057
31/05/2031 00:00:00	♁	22°10'21" ♀	23°18'48"	00°06'39"	00°03'29"	20.111
31/05/2031 00:00:00	♁	14°59'11" ♀	04°29'59"	-01°31'13"	00°01'29"	30.429
31/05/2031 00:00:00	♁	13°35'34" ♁	-22°57'50"	-06°30'25"	-00°00'25"	36.359
31/05/2031 00:00:00	♁	28°03'58" ♎	-19°43'29"	00°00'00"	00°00'41"	0.002
31/05/2031 00:00:00	♄	18°09'16" ♉	15°21'46"	-01°56'44"	00°03'46"	17.653
31/05/2031 00:00:00	♁	11°19'02" ♉	19°23'56"	-03°33'54"	00°06'40"	0.003

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31/05/2031 00:00:00	T♄	28°03'58" ♎	-19°43'29"	00°00'00"	00°00'41"	0.002
31/05/2031 00:00:00	T♄	15°06'15" ♉	18°43'50"	-03°52'17"	-01°56'28"	0.003
31/05/2031 00:00:00	X	26°52'56" ♀	01°34'58"	-09°23'43"	00°00'29"	95.762
31/05/2031 00:00:00	Y	04°58'18" ♀	09°41'49"	-11°36'11"	00°00'49"	82.686
01/06/2031 00:00:00	☉	10°20'51" ♀	21°59'41"	-00°00'00"	00°57'30"	1.014
01/06/2031 00:00:00	☾	10°25'21" ♀	-07°43'12"	-03°54'34"	13°20'59"	0.003
01/06/2031 00:00:00	♁	01°00'05" ♀	19°48'38"	-00°33'21"	02°04'34"	1.281
01/06/2031 00:00:00	♂	25°41'03" ♉	23°37'54"	02°40'37"	00°58'04"	0.719
01/06/2031 00:00:00	♂	05°29'32" ♎	-13°58'33"	-00°39'50"	-00°10'07"	0.587
01/06/2031 00:00:00	♃	25°54'06" ♉	-22°52'48"	00°29'25"	-00°07'05"	4.302
01/06/2031 00:00:00	♄	12°06'23" ♀	20°45'52"	-01°29'10"	00°07'47"	10.058
01/06/2031 00:00:00	♅	22°13'51" ♀	23°19'00"	00°06'40"	00°03'30"	20.115
01/06/2031 00:00:00	♆	15°00'40" ♀	04°30'31"	-01°31'16"	00°01'28"	30.415
01/06/2031 00:00:00	♇	13°35'07" ♁	-22°58'11"	-06°30'39"	-00°00'26"	36.345
01/06/2031 00:00:00	♈	28°04'49" ♎	-19°43'40"	00°00'00"	00°00'59"	0.002
01/06/2031 00:00:00	♉	18°13'02" ♉	15°22'41"	-01°56'51"	00°03'45"	17.645
01/06/2031 00:00:00	♊	11°25'43" ♉	19°22'45"	-03°34'32"	00°06'40"	0.003
01/06/2031 00:00:00	T♄	28°04'49" ♎	-19°43'40"	00°00'00"	00°00'59"	0.002
01/06/2031 00:00:00	T♄	12°48'21" ♉	19°06'40"	-03°43'21"	-02°36'27"	0.003

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01/06/2031 00:00:00	X	26°53'26" ♀	01°35'07"	-09°23'45"	00°00'29"	95.750
01/06/2031 00:00:00	Y	04°59'08" ♀	09°41'57"	-11°36'11"	00°00'49"	82.684
02/06/2031 00:00:00	☉	11°18'21" ♀	22°07'47"	-00°00'00"	00°57'29"	1.014
02/06/2031 00:00:00	☾	23°59'26" ♀	-12°03'42"	-02°58'00"	13°47'17"	0.003
02/06/2031 00:00:00	♁	03°05'30" ♀	20°24'03"	-00°22'36"	02°06'13"	1.290
02/06/2031 00:00:00	♂	26°38'54" ♀	23°25'05"	02°38'49"	00°57'38"	0.711
02/06/2031 00:00:00	♂	05°19'49" ♀	-13°57'29"	-00°42'09"	-00°09'19"	0.590
02/06/2031 00:00:00	♃	25°46'59" ♀	-22°52'40"	00°29'19"	-00°07'09"	4.297
02/06/2031 00:00:00	♄	12°14'11" ♀	20°46'57"	-01°29'06"	00°07'47"	10.058
02/06/2031 00:00:00	♅	22°17'22" ♀	23°19'13"	00°06'40"	00°03'30"	20.118
02/06/2031 00:00:00	♆	15°02'07" ♀	04°31'02"	-01°31'18"	00°01'26"	30.401
02/06/2031 00:00:00	♇	13°34'40" ♀	-22°58'33"	-06°30'53"	-00°00'28"	36.331
02/06/2031 00:00:00	♈	28°05'52" ♀	-19°43'54"	00°00'00"	00°01'03"	0.002
02/06/2031 00:00:00	♉	18°16'47" ♀	15°23'36"	-01°56'59"	00°03'44"	17.638
02/06/2031 00:00:00	♊	11°32'24" ♀	19°21'33"	-03°35'10"	00°06'40"	0.003
02/06/2031 00:00:00	T♋	28°05'52" ♀	-19°43'54"	00°00'00"	00°01'03"	0.002
02/06/2031 00:00:00	T♌	10°00'55" ♀	19°31'56"	-03°31'59"	-02°53'58"	0.003
02/06/2031 00:00:00	X	26°53'55" ♀	01°35'15"	-09°23'47"	00°00'29"	95.738
02/06/2031 00:00:00	Y	04°59'57" ♀	09°42'04"	-11°36'12"	00°00'49"	82.682

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03/06/2031 00:00:00	♁	12°15'49" ♀	22°15'30"	00°00'00"	00°57'27"	1.014
03/06/2031 00:00:00	♃	07°59'52" ♃	-15°53'34"	-01°49'10"	14°13'20"	0.002
03/06/2031 00:00:00	♁	05°12'29" ♀	20°58'10"	-00°11'50"	02°07'43"	1.299
03/06/2031 00:00:00	♃	27°36'19" ♃	23°11'51"	02°36'52"	00°57'10"	0.703
03/06/2031 00:00:00	♂	05°10'54" ♃	-13°56'38"	-00°44'25"	-00°08'31"	0.593
03/06/2031 00:00:00	♃	25°39'47" ♂	-22°52'32"	00°29'13"	-00°07'13"	4.293
03/06/2031 00:00:00	♁	12°21'59" ♀	20°48'01"	-01°29'02"	00°07'47"	10.058
03/06/2031 00:00:00	♁	22°20'53" ♀	23°19'26"	00°06'41"	00°03'31"	20.121
03/06/2031 00:00:00	♃	15°03'33" ♂	04°31'33"	-01°31'21"	00°01'25"	30.387
03/06/2031 00:00:00	♁	13°34'11" ♂	-22°58'55"	-06°31'08"	-00°00'29"	36.317
03/06/2031 00:00:00	♁	28°06'50" ♃	-19°44'07"	00°00'00"	00°00'49"	0.002
03/06/2031 00:00:00	♃	18°20'31" ♂	15°24'31"	-01°57'06"	00°03'43"	17.630
03/06/2031 00:00:00	♃	11°39'05" ♃	19°20'21"	-03°35'48"	00°06'41"	0.003
03/06/2031 00:00:00	♁	28°06'50" ♃	-19°44'07"	00°00'00"	00°00'49"	0.002
03/06/2031 00:00:00	♁	07°09'13" ♃	19°54'55"	-03°19'47"	-02°45'28"	0.003
03/06/2031 00:00:00	X	26°54'24" ♂	01°35'23"	-09°23'49"	00°00'28"	95.727
03/06/2031 00:00:00	Y	05°00'47" ♀	09°42'12"	-11°36'12"	00°00'49"	82.680
04/06/2031 00:00:00	♁	13°13'17" ♀	22°22'50"	00°00'00"	00°57'26"	1.014
04/06/2031 00:00:00	♃	22°25'13" ♃	-18°52'44"	-00°31'32"	14°36'39"	0.002

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04/06/2031 00:00:00	♀	07°20'53" ♀	21°30'48"	-00°01'05"	02°09'02"	1.306
04/06/2031 00:00:00	♀	28°33'16" ♀	22°58'11"	02°34'44"	00°56'42"	0.695
04/06/2031 00:00:00	♂	05°02'47" ♀	-13°56'02"	-00°46'40"	-00°07'42"	0.597
04/06/2031 00:00:00	♂	25°32'31" ♂	-22°52'24"	00°29'07"	-00°07'17"	4.289
04/06/2031 00:00:00	♂	12°29'47" ♀	20°49'05"	-01°28'58"	00°07'48"	10.058
04/06/2031 00:00:00	♂	22°24'24" ♀	23°19'38"	00°06'41"	00°03'31"	20.124
04/06/2031 00:00:00	♂	15°04'57" ♂	04°32'02"	-01°31'24"	00°01'23"	30.373
04/06/2031 00:00:00	♂	13°33'40" ♂	-22°59'17"	-06°31'22"	-00°00'31"	36.303
04/06/2031 00:00:00	♂	28°07'24" ♀	-19°44'14"	00°00'00"	00°00'16"	0.002
04/06/2031 00:00:00	♂	18°24'14" ♂	15°25'24"	-01°57'13"	00°03'42"	17.622
04/06/2031 00:00:00	♂	11°45'46" ♀	19°19'09"	-03°36'26"	00°06'41"	0.003
04/06/2031 00:00:00	T♂	28°07'24" ♀	-19°44'14"	00°00'00"	00°00'16"	0.002
04/06/2031 00:00:00	T♂	04°35'41" ♀	20°12'54"	-03°08'26"	-02°20'04"	0.003
04/06/2031 00:00:00	X	26°54'52" ♂	01°35'31"	-09°23'51"	00°00'28"	95.714
04/06/2031 00:00:00	Y	05°01'36" ♀	09°42'19"	-11°36'13"	00°00'49"	82.677
05/06/2031 00:00:00	♂	14°10'43" ♀	22°29'46"	00°00'00"	00°57'25"	1.014
05/06/2031 00:00:00	♂	07°11'24" ♂	-20°41'02"	00°49'58"	14°54'35"	0.002
05/06/2031 00:00:00	♀	09°30'29" ♀	22°01'42"	00°09'32"	02°10'08"	1.312
05/06/2031 00:00:00	♀	29°29'43" ♀	22°44'07"	02°32'26"	00°56'13"	0.687

Ephemerides year 2031

05/06/2031 00:00:00	♂	04°55'29" ♎	-13°55'39"	-00°48'52"	-00°06'53"	0.600
05/06/2031 00:00:00	♃	25°25'12" ♏	-22°52'15"	00°29'01"	-00°07'20"	4.285
05/06/2031 00:00:00	♅	12°37'35" ♏	20°50'08"	-01°28'54"	00°07'48"	10.058
05/06/2031 00:00:00	♁	22°27'56" ♏	23°19'51"	00°06'42"	00°03'32"	20.126
05/06/2031 00:00:00	♃	15°06'20" ♏	04°32'32"	-01°31'27"	00°01'22"	30.358
05/06/2031 00:00:00	♁	13°33'08" ♏	-22°59'40"	-06°31'35"	-00°00'32"	36.289
05/06/2031 00:00:00	♁	28°07'19" ♎	-19°44'13"	00°00'00"	-00°00'28"	0.002
05/06/2031 00:00:00	♃	18°27'56" ♏	15°26'18"	-01°57'21"	00°03'41"	17.614
05/06/2031 00:00:00	♁	11°52'27" ♏	19°17'57"	-03°37'04"	00°06'41"	0.003
05/06/2031 00:00:00	♁♁	28°07'19" ♎	-19°44'13"	00°00'00"	-00°00'28"	0.002
05/06/2031 00:00:00	♁♃	02°29'14" ♏	20°25'50"	-02°58'48"	-01°54'03"	0.003
05/06/2031 00:00:00	X	26°55'21" ♏	01°35'39"	-09°23'54"	00°00'28"	95.702
05/06/2031 00:00:00	Y	05°02'26" ♏	09°42'27"	-11°36'14"	00°00'49"	82.674
06/06/2031 00:00:00	♁	15°08'08" ♏	22°36'19"	00°00'00"	00°57'24"	1.015
06/06/2031 00:00:00	♁	22°11'49" ♏	-21°03'12"	02°09'14"	15°04'50"	0.002
06/06/2031 00:00:00	♁	11°41'05" ♏	22°30'43"	00°20'01"	02°11'01"	1.317
06/06/2031 00:00:00	♀	00°25'42" ♏	22°29'40"	02°29'57"	00°55'42"	0.678
06/06/2031 00:00:00	♂	04°49'00" ♎	-13°55'30"	-00°51'01"	-00°06'04"	0.604
06/06/2031 00:00:00	♃	25°17'50" ♏	-22°52'06"	00°28'54"	-00°07'24"	4.282

Ephemerides year 2031

06/06/2031 00:00:00	♃	12°45'23" ♀	20°51'11"	-01°28'50"	00°07'47"	10.057
06/06/2031 00:00:00	♃	22°31'28" ♀	23°20'03"	00°06'42"	00°03'32"	20.128
06/06/2031 00:00:00	♃	15°07'42" ♀	04°33'00"	-01°31'30"	00°01'20"	30.344
06/06/2031 00:00:00	♃	13°32'35" ♀	-23°00'03"	-06°31'49"	-00°00'33"	36.275
06/06/2031 00:00:00	♃	28°06'25" ♀	-19°44'01"	00°00'00"	-00°01'18"	0.002
06/06/2031 00:00:00	♃	18°31'37" ♀	15°27'11"	-01°57'29"	00°03'40"	17.606
06/06/2031 00:00:00	♃	11°59'09" ♀	19°16'44"	-03°37'42"	00°06'41"	0.003
06/06/2031 00:00:00	♃	28°06'25" ♀	-19°44'01"	00°00'00"	-00°01'18"	0.002
06/06/2031 00:00:00	♃	00°43'06" ♀	20°35'19"	-02°50'35"	-01°41'07"	0.003
06/06/2031 00:00:00	X	26°55'48" ♀	01°35'46"	-09°23'56"	00°00'27"	95.689
06/06/2031 00:00:00	Y	05°03'15" ♀	09°42'34"	-11°36'15"	00°00'49"	82.671
07/06/2031 00:00:00	♃	16°05'33" ♀	22°42'28"	00°00'00"	00°57'24"	1.015
07/06/2031 00:00:00	♃	07°18'02" ♀	-19°54'19"	03°19'55"	15°06'01"	0.002
07/06/2031 00:00:00	♃	13°52'28" ♀	22°57'38"	00°30'15"	02°11'39"	1.320
07/06/2031 00:00:00	♃	01°21'09" ♀	22°14'50"	02°27'17"	00°55'11"	0.670
07/06/2031 00:00:00	♃	04°43'20" ♀	-13°55'35"	-00°53'08"	-00°05'15"	0.608
07/06/2031 00:00:00	♃	25°10'24" ♀	-22°51'57"	00°28'48"	-00°07'27"	4.279
07/06/2031 00:00:00	♃	12°53'11" ♀	20°52'14"	-01°28'46"	00°07'47"	10.057
07/06/2031 00:00:00	♃	22°35'01" ♀	23°20'16"	00°06'43"	00°03'32"	20.130

Ephemerides year 2031

07/06/2031 00:00:00	♁	15°09'01"	♄	04°33'28"	-01°31'33"	00°01'18"	30.329
07/06/2031 00:00:00	♁	13°32'00"	♁	-23°00'26"	-06°32'03"	-00°00'35"	36.262
07/06/2031 00:00:00	♁	28°04'45"	♄	-19°43'39"	00°00'00"	-00°02'00"	0.002
07/06/2031 00:00:00	♁	18°35'16"	♄	15°28'03"	-01°57'36"	00°03'38"	17.597
07/06/2031 00:00:00	♁	12°05'50"	♁	19°15'32"	-03°38'19"	00°06'41"	0.003
07/06/2031 00:00:00	T♁	28°04'45"	♄	-19°43'39"	00°00'00"	-00°02'00"	0.002
07/06/2031 00:00:00	T♁	29°00'56"	♄	20°43'11"	-02°42'36"	-01°45'57"	0.003
07/06/2031 00:00:00	X	26°56'16"	♄	01°35'53"	-09°23'58"	00°00'27"	95.677
07/06/2031 00:00:00	Y	05°04'04"	♄	09°42'41"	-11°36'16"	00°00'49"	82.667
08/06/2031 00:00:00	♁	17°02'57"	♄	22°48'13"	00°00'00"	00°57'23"	1.015
08/06/2031 00:00:00	♁	22°20'50"	♄	-17°21'45"	04°16'26"	14°58'08"	0.002
08/06/2031 00:00:00	♁	16°04'20"	♄	23°22'17"	00°40'11"	02°12'02"	1.322
08/06/2031 00:00:00	♁	02°16'05"	♄	21°59'38"	02°24'26"	00°54'39"	0.662
08/06/2031 00:00:00	♁	04°38'29"	♄	-13°55'55"	-00°55'13"	-00°04'26"	0.612
08/06/2031 00:00:00	♁	25°02'55"	♄	-22°51'47"	00°28'41"	-00°07'29"	4.276
08/06/2031 00:00:00	♁	13°00'59"	♄	20°53'16"	-01°28'43"	00°07'47"	10.056
08/06/2031 00:00:00	♁	22°38'34"	♄	23°20'28"	00°06'43"	00°03'33"	20.132
08/06/2031 00:00:00	♁	15°10'19"	♄	04°33'55"	-01°31'36"	00°01'17"	30.315
08/06/2031 00:00:00	♁	13°31'24"	♁	-23°00'50"	-06°32'17"	-00°00'36"	36.248

Ephemerides year 2031

08/06/2031 00:00:00	♏	28°02'31" ♎	-19°43'09"	00°00'00"	-00°02'23"	0.002
08/06/2031 00:00:00	♋	18°38'55" ♉	15°28'55"	-01°57'44"	00°03'37"	17.588
08/06/2031 00:00:00	♌	12°12'31" ♈	19°14'19"	-03°38'57"	00°06'41"	0.003
08/06/2031 00:00:00	T♏	28°02'31" ♎	-19°43'09"	00°00'00"	-00°02'23"	0.002
08/06/2031 00:00:00	T♌	27°07'23" ♈	20°50'31"	-02°33'39"	-02°01'48"	0.003
08/06/2031 00:00:00	X	26°56'43" ♐	01°36'00"	-09°24'01"	00°00'26"	95.664
08/06/2031 00:00:00	Y	05°04'53" ♈	09°42'48"	-11°36'18"	00°00'48"	82.663
09/06/2031 00:00:00	♉	18°00'20" ♈	22°53'34"	00°00'00"	00°57'22"	1.015
09/06/2031 00:00:00	♊	07°11'42" ♉	-13°42'39"	04°54'52"	14°42'29"	0.002
09/06/2031 00:00:00	♋	18°16'26" ♈	23°44'31"	♊ 00°49'43"	02°12'08"	1.322
09/06/2031 00:00:00	♌	03°10'28" ♈	21°44'06"	02°21'24"	00°54'06"	0.654
09/06/2031 00:00:00	♍	04°34'26" ♎	-13°56'28"	-00°57'16"	-00°03'38"	0.616
09/06/2031 00:00:00	♎	24°55'24" ♏	-22°51'37"	00°28'34"	-00°07'32"	4.274
09/06/2031 00:00:00	♏	13°08'46" ♈	20°54'17"	-01°28'40"	00°07'47"	10.054
09/06/2031 00:00:00	♐	22°42'07" ♈	23°20'40"	00°06'44"	00°03'33"	20.133
09/06/2031 00:00:00	♑	15°11'36" ♐	04°34'22"	-01°31'39"	00°01'15"	30.300
09/06/2031 00:00:00	♒	13°30'47" ♈	-23°01'14"	-06°32'30"	-00°00'38"	36.235
09/06/2031 00:00:00	♓	28°00'06" ♎	-19°42'36"	00°00'00"	-00°02'22"	0.002
09/06/2031 00:00:00	♋	18°42'31" ♉	15°29'47"	-01°57'52"	00°03'35"	17.579

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09/06/2031 00:00:00	☾	12°19'12" ♉	19°13'06"	-03°39'34"	00°06'41"	0.003
09/06/2031 00:00:00	♁	28°00'06" ♎	-19°42'36"	00°00'00"	-00°02'22"	0.002
09/06/2031 00:00:00	♁	24°59'03" ♉	20°57'01"	-02°23'23"	-02°12'22"	0.003
09/06/2031 00:00:00	X	26°57'09" ♄	01°36'07"	-09°24'04"	00°00'26"	95.651
09/06/2031 00:00:00	Y	05°05'42" ♉	09°42'55"	-11°36'19"	00°00'48"	82.659
10/06/2031 00:00:00	☉	18°57'42" ♉	22°58'30"	00°00'00"	00°57'22"	1.015
10/06/2031 00:00:00	☾	21°43'59" ♎	-09°18'27"	05°13'25"	14°21'22"	0.002
10/06/2031 00:00:00	♀	20°28'30" ♉	24°04'10"	00°58'49"	02°11'57"	1.321
10/06/2031 00:00:00	♀	04°04'18" ♋	21°28'14"	02°18'11"	00°53'32"	0.646
10/06/2031 00:00:00	♂	04°31'12" ♎	-13°57'16"	-00°59'16"	-00°02'49"	0.620
10/06/2031 00:00:00	♃	24°47'51" ♏	-22°51'26"	00°28'27"	-00°07'34"	4.271
10/06/2031 00:00:00	♃	13°16'33" ♉	20°55'17"	-01°28'36"	00°07'46"	10.053
10/06/2031 00:00:00	♃	22°45'41" ♉	23°20'53"	00°06'44"	00°03'33"	20.135
10/06/2031 00:00:00	♃	15°12'50" ♄	04°34'48"	-01°31'42"	00°01'13"	30.285
10/06/2031 00:00:00	♃	13°30'08" ♎	-23°01'38"	-06°32'44"	-00°00'39"	36.222
10/06/2031 00:00:00	♁	27°57'56" ♎	-19°42'07"	00°00'00"	-00°01'53"	0.002
10/06/2031 00:00:00	♃	18°46'06" ♏	15°30'38"	-01°58'00"	00°03'34"	17.570
10/06/2031 00:00:00	☾	12°25'53" ♉	19°11'53"	-03°40'12"	00°06'41"	0.003
10/06/2031 00:00:00	♁	27°57'56" ♎	-19°42'07"	00°00'00"	-00°01'53"	0.002

Ephemerides year 2031

10/06/2031 00:00:00	T♄	22°50'32" ♀	21°01'40"	-02°12'56"	-01°59'39"	0.003
10/06/2031 00:00:00	X	26°57'35" ♀	01°36'14"	-09°24'06"	00°00'25"	95.638
10/06/2031 00:00:00	Y	05°06'31" ♀	09°43'01"	-11°36'21"	00°00'48"	82.655
11/06/2031 00:00:00	☉	19°55'04" ♀	23°03'03"	00°00'00"	00°57'21"	1.015
11/06/2031 00:00:00	☾	05°53'31" ♀	-04°30'16"	05°12'16"	13°57'26"	0.002
11/06/2031 00:00:00	♀	22°40'16" ♀	24°21'10" ♀	01°07'24"	02°11'30"	1.318
11/06/2031 00:00:00	♀	04°57'32" ♀	21°12'03"	02°14'46"	00°52'57"	0.638
11/06/2031 00:00:00	♂	04°28'47" ♀	-13°58'18"	-01°01'14"	-00°02'00"	0.624
11/06/2031 00:00:00	♃	24°40'16" ♀	-22°51'16"	00°28'20"	-00°07'36"	4.270
11/06/2031 00:00:00	♅	13°24'19" ♀	20°56'17"	-01°28'33"	00°07'46"	10.051
11/06/2031 00:00:00	♁	22°49'14" ♀	23°21'05"	00°06'45"	00°03'33"	20.136
11/06/2031 00:00:00	♃	15°14'03" ♀	04°35'13"	-01°31'45"	00°01'12"	30.270
11/06/2031 00:00:00	♁	13°29'27" ♀	-23°02'03"	-06°32'57"	-00°00'41"	36.209
11/06/2031 00:00:00	♁	27°56'25" ♀	-19°41'47"	00°00'00"	-00°01'04"	0.002
11/06/2031 00:00:00	♃	18°49'40" ♀	15°31'28"	-01°58'08"	00°03'32"	17.560
11/06/2031 00:00:00	♁	12°32'34" ♀	19°10'39"	-03°40'49"	00°06'41"	0.003
11/06/2031 00:00:00	T♁	27°56'25" ♀	-19°41'47"	00°00'00"	-00°01'04"	0.002
11/06/2031 00:00:00	T♄	21°10'18" ♀	21°04'00"	-02°04'39"	-01°15'47"	0.003
11/06/2031 00:00:00	X	26°58'00" ♀	01°36'20"	-09°24'09"	00°00'25"	95.624

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11/06/2031 00:00:00	Y	05°07'19" ♀	09°43'07"	-11°36'22"	00°00'48"	82.650
12/06/2031 00:00:00	☉	20°52'25" ♀	23°07'11"	00°00'00"	00°57'21"	1.015
12/06/2031 00:00:00	☾	19°38'45" ♀	00°23'42"	04°53'01"	13°33'06"	0.003
12/06/2031 00:00:00	♀	24°51'26" ♀	24°35'24" ○	01°15'26"	02°10'47"	1.315
12/06/2031 00:00:00	♀	05°50'11" ♀	20°55'33"	02°11'09"	00°52'20"	0.630
12/06/2031 00:00:00	♂	04°27'10" ♀	-13°59'34"	-01°03'09"	-00°01'12"	0.628
12/06/2031 00:00:00	♃	24°32'39" ♀	-22°51'04"	00°28'13"	-00°07'37"	4.268
12/06/2031 00:00:00	♄	13°32'05" ♀	20°57'17"	-01°28'30"	00°07'45"	10.049
12/06/2031 00:00:00	♅	22°52'48" ♀	23°21'17"	00°06'45"	00°03'33"	20.136
12/06/2031 00:00:00	♆	15°15'14" ♀	04°35'38"	-01°31'48"	00°01'10"	30.255
12/06/2031 00:00:00	♇	13°28'46" ♀	-23°02'28"	-06°33'10"	-00°00'42"	36.196
12/06/2031 00:00:00	♈	27°55'49" ♀	-19°41'39"	00°00'00"	-00°00'06"	0.002
12/06/2031 00:00:00	♉	18°53'12" ♀	15°32'17"	-01°58'16"	00°03'31"	17.550
12/06/2031 00:00:00	♊	12°39'15" ♀	19°09'25"	-03°41'26"	00°06'41"	0.003
12/06/2031 00:00:00	T♋	27°55'49" ♀	-19°41'39"	00°00'00"	-00°00'06"	0.002
12/06/2031 00:00:00	T♌	20°26'56" ♀	21°04'39"	-02°01'02"	-00°08'15"	0.003
12/06/2031 00:00:00	X	26°58'25" ♀	01°36'26"	-09°24'12"	00°00'24"	95.610
12/06/2031 00:00:00	Y	05°08'07" ♀	09°43'14"	-11°36'24"	00°00'48"	82.645
13/06/2031 00:00:00	☉	21°49'46" ♀	23°10'55"	00°00'00"	00°57'20"	1.015

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13/06/2031 00:00:00	♃	03°00'14" ♃	05°08'36"	04°18'17"	13°10'12"	0.003
13/06/2031 00:00:00	♆	27°01'46" ♃	24°46'51" ♁	01°22'51"	02°09'50"	1.309
13/06/2031 00:00:00	♀	06°42'13" ♃	20°38'46"	02°07'20"	00°51'43"	0.622
13/06/2031 00:00:00	♂	04°26'22" ♃	-14°01'04"	-01°05'02"	-00°00'23"	0.633
13/06/2031 00:00:00	♃	24°25'01" ♃	-22°50'53"	00°28'05"	-00°07'38"	4.267
13/06/2031 00:00:00	♃	13°39'50" ♃	20°58'15"	-01°28'28"	00°07'45"	10.047
13/06/2031 00:00:00	♃	22°56'22" ♃	23°21'29"	00°06'46"	00°03'34"	20.137
13/06/2031 00:00:00	♃	15°16'24" ♃	04°36'02"	-01°31'51"	00°01'08"	30.239
13/06/2031 00:00:00	♃	13°28'02" ♃	-23°02'54"	-06°33'24"	-00°00'43"	36.184
13/06/2031 00:00:00	♃	27°56'12" ♃	-19°41'44"	00°00'00"	00°00'48"	0.002
13/06/2031 00:00:00	♃	18°56'43" ♃	15°33'07"	-01°58'25"	00°03'29"	17.540
13/06/2031 00:00:00	♃	12°45'56" ♃	19°08'12"	-03°42'03"	00°06'41"	0.003
13/06/2031 00:00:00	♃	27°56'12" ♃	-19°41'44"	00°00'00"	00°00'48"	0.002
13/06/2031 00:00:00	♃	20°56'16" ♃	21°04'14"	-02°03'29"	01°06'49"	0.003
13/06/2031 00:00:00	X	26°58'49" ♃	01°36'32"	-09°24'14"	00°00'24"	95.597
13/06/2031 00:00:00	Y	05°08'55" ♃	09°43'20"	-11°36'26"	00°00'47"	82.640
14/06/2031 00:00:00	♃	22°47'06" ♃	23°14'14"	00°00'00"	00°57'20"	1.016
14/06/2031 00:00:00	♃	16°00'03" ♃	09°32'17"	03°31'02"	12°49'55"	0.003
14/06/2031 00:00:00	♆	29°11'03" ♃	24°55'29" ♁	01°29'37"	02°08'39"	1.303

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14/06/2031 00:00:00	♀	07°33'37" ♀	20°21'43"	02°03'18"	00°51'04"	0.614
14/06/2031 00:00:00	♂	04°26'22" ♀	-14°02'48"	-01°06'53"	00°00'24"	0.637
14/06/2031 00:00:00	♃	24°17'22" ♂	-22°50'41"	00°27'58"	-00°07'39"	4.266
14/06/2031 00:00:00	♅	13°47'35" ♀	20°59'14"	-01°28'25"	00°07'44"	10.045
14/06/2031 00:00:00	♁	22°59'57" ♀	23°21'42"	00°06'47"	00°03'37"	20.137
14/06/2031 00:00:00	♃	15°17'32" ♂	04°36'25"	-01°31'54"	00°01'06"	30.224
14/06/2031 00:00:00	♁	13°27'18" ♂	-23°03'19"	-06°33'37"	-00°00'45"	36.171
14/06/2031 00:00:00	♁	27°57'21" ♀	-19°42'00"	00°00'00"	00°01'26"	0.002
14/06/2031 00:00:00	♃	19°00'12" ♂	15°33'55"	-01°58'33"	00°03'28"	17.530
14/06/2031 00:00:00	♁	12°52'38" ♀	19°06'57"	-03°42'40"	00°06'41"	0.003
14/06/2031 00:00:00	T♁	27°57'21" ♀	-19°42'00"	00°00'00"	00°01'26"	0.002
14/06/2031 00:00:00	T♁	22°38'06" ♀	21°02'01"	-02°11'54"	02°14'40"	0.003
14/06/2031 00:00:00	X	26°59'13" ♂	01°36'38"	-09°24'17"	00°00'23"	95.583
14/06/2031 00:00:00	Y	05°09'43" ♀	09°43'25"	-11°36'29"	00°00'47"	82.635
15/06/2031 00:00:00	♁	23°44'26" ♀	23°17'09"	00°00'00"	00°57'19"	1.016
15/06/2031 00:00:00	♃	28°41'09" ♂	13°24'34"	02°34'27"	12°32'49"	0.003
15/06/2031 00:00:00	♁	01°19'02" ♀	25°01'19" ♀	01°35'42"	02°07'16"	1.295
15/06/2031 00:00:00	♀	08°24'21" ♀	20°04'25"	01°59'05"	00°50'23"	0.606
15/06/2031 00:00:00	♂	04°27'11" ♀	-14°04'46"	-01°08'41"	00°01'12"	0.642

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15/06/2031 00:00:00	♃	24°09'42" ♏	-22°50'28"	00°27'50"	-00°07'39"	4.265
15/06/2031 00:00:00	♅	13°55'19" ♏	21°00'11"	-01°28'22"	00°07'43"	10.042
15/06/2031 00:00:00	♁	23°03'29" ♏	23°21'52"	00°06'47"	00°03'34"	20.137
15/06/2031 00:00:00	♆	15°18'38" ♏	04°36'47"	-01°31'57"	00°01'05"	30.208
15/06/2031 00:00:00	♁	13°26'32" ♏	-23°03'45"	-06°33'50"	-00°00'46"	36.159
15/06/2031 00:00:00	♄	27°58'56" ♏	-19°42'21"	00°00'00"	00°01'37"	0.002
15/06/2031 00:00:00	♃	19°03'40" ♏	15°34'43"	-01°58'42"	00°03'26"	17.519
15/06/2031 00:00:00	♁	12°59'19" ♏	19°05'43"	-03°43'17"	00°06'41"	0.003
15/06/2031 00:00:00	♄	27°58'56" ♏	-19°42'21"	00°00'00"	00°01'37"	0.002
15/06/2031 00:00:00	♁	25°20'04" ♏	20°56'07"	-02°25'02"	03°06'02"	0.003
15/06/2031 00:00:00	X	26°59'36" ♏	01°36'43"	-09°24'20"	00°00'23"	95.569
15/06/2031 00:00:00	Y	05°10'31" ♏	09°43'31"	-11°36'31"	00°00'47"	82.629
16/06/2031 00:00:00	♁	24°41'46" ♏	23°19'38"	00°00'00"	00°57'19"	1.016
16/06/2031 00:00:00	♂	11°06'48" ♏	16°36'39"	01°31'40"	12°18'59"	0.003
16/06/2031 00:00:00	♁	03°25'32" ♏	25°04'23" ♏	01°41'03"	02°05'42"	1.286
16/06/2031 00:00:00	♀	09°14'24" ♏	19°46'52"	01°54'38"	00°49'42"	0.598
16/06/2031 00:00:00	♂	04°28'47" ♏	-14°06'59"	-01°10'27"	00°01'59"	0.646
16/06/2031 00:00:00	♃	24°02'02" ♏	-22°50'16"	00°27'42"	-00°07'40"	4.265
16/06/2031 00:00:00	♅	14°03'03" ♏	21°01'08"	-01°28'20"	00°07'43"	10.039

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16/06/2031 00:00:00	♃	23°07'03" ♀	23°22'04"	00°06'47"	00°03'34"	20.136
16/06/2031 00:00:00	♃	15°19'42" ♂	04°37'09"	-01°32'01"	00°01'03"	30.193
16/06/2031 00:00:00	♃	13°25'45" ♃	-23°04'11"	-06°34'02"	-00°00'47"	36.147
16/06/2031 00:00:00	♃	28°00'25" ♃	-19°42'41"	00°00'00"	00°01'17"	0.002
16/06/2031 00:00:00	♃	19°07'06" ♂	15°35'30"	-01°58'50"	00°03'25"	17.509
16/06/2031 00:00:00	♃	13°06'00" ♃	19°04'29"	-03°43'53"	00°06'41"	0.003
16/06/2031 00:00:00	♃	28°00'25" ♃	-19°42'41"	00°00'00"	00°01'17"	0.002
16/06/2031 00:00:00	♃	28°43'15" ♀	20°44'36"	-02°41'02"	03°36'43"	0.003
16/06/2031 00:00:00	X	26°59'59" ♂	01°36'48"	-09°24'23"	00°00'22"	95.554
16/06/2031 00:00:00	Y	05°11'18" ♀	09°43'36"	-11°36'33"	00°00'47"	82.623
17/06/2031 00:00:00	♃	25°39'05" ♀	23°21'44"	00°00'00"	00°57'18"	1.016
17/06/2031 00:00:00	♃	23°20'11" ♂	19°01'05"	00°25'44"	12°08'15"	0.003
17/06/2031 00:00:00	♃	05°30'24" ♃	25°04'45" ♀	01°45'42"	02°04'00"	1.276
17/06/2031 00:00:00	♀	10°03'45" ♃	19°29'06"	01°49'59"	00°48'58"	0.590
17/06/2031 00:00:00	♂	04°31'10" ♃	-14°09'24"	-01°12'11"	00°02'46"	0.651
17/06/2031 00:00:00	♂	23°54'22" ♂	-22°50'03"	00°27'34"	-00°07'39"	4.264
17/06/2031 00:00:00	♂	14°10'45" ♀	21°02'04"	-01°28'17"	00°07'42"	10.036
17/06/2031 00:00:00	♃	23°10'37" ♀	23°22'16"	00°06'48"	00°03'33"	20.135
17/06/2031 00:00:00	♃	15°20'45" ♂	04°37'30"	-01°32'04"	00°01'01"	30.177

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17/06/2031 00:00:00	♁	13°24'57" ♁	-23°04'37"	-06°34'15"	-00°00'48"	36.135
17/06/2031 00:00:00	♁	28°01'20" ♁	-19°42'53"	00°00'00"	00°00'26"	0.002
17/06/2031 00:00:00	♁	19°10'30" ♁	15°36'17"	-01°58'59"	00°03'23"	17.498
17/06/2031 00:00:00	♁	13°12'41" ♁	19°03'14"	-03°44'30"	00°06'41"	0.003
17/06/2031 00:00:00	♁	28°01'20" ♁	-19°42'53"	00°00'00"	00°00'26"	0.002
17/06/2031 00:00:00	♁	02°26'24" ♁	20°26'45"	-02°57'56"	03°46'09"	0.003
17/06/2031 00:00:00	X	27°00'21" ♁	01°36'53"	-09°24'26"	00°00'22"	95.540
17/06/2031 00:00:00	Y	05°12'06" ♁	09°43'42"	-11°36'36"	00°00'47"	82.617
18/06/2031 00:00:00	♁	26°36'24" ♁	23°23'24"	00°00'00"	00°57'18"	1.016
18/06/2031 00:00:00	♁	05°24'14" ♁	20°32'07"	-00°40'25"	12°00'16"	0.003
18/06/2031 00:00:00	♁	07°33'30" ♁	25°02'29" ♁	01°49'35"	02°02'09"	1.265
18/06/2031 00:00:00	♁	10°52'22" ♁	19°11'07"	01°45'06"	00°48'13"	0.582
18/06/2031 00:00:00	♁	04°34'20" ♁	-14°12'04"	-01°13'52"	00°03'33"	0.656
18/06/2031 00:00:00	♁	23°46'42" ♁	-22°49'49"	00°27'26"	-00°07'39"	4.265
18/06/2031 00:00:00	♁	14°18'27" ♁	21°03'00"	-01°28'15"	00°07'41"	10.033
18/06/2031 00:00:00	♁	23°14'11" ♁	23°22'27"	00°06'48"	00°03'33"	20.135
18/06/2031 00:00:00	♁	15°21'45" ♁	04°37'51"	-01°32'07"	00°00'59"	30.161
18/06/2031 00:00:00	♁	13°24'07" ♁	-23°05'04"	-06°34'28"	-00°00'50"	36.123
18/06/2031 00:00:00	♁	28°01'11" ♁	-19°42'51"	00°00'00"	-00°00'47"	0.002

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18/06/2031 00:00:00	♄	19°13'52" ♄	15°37'03"	-01°59'08"	00°03'21"	17.487
18/06/2031 00:00:00	♁	13°19'22" ♁	19°01'59"	-03°45'06"	00°06'41"	0.003
18/06/2031 00:00:00	T♄	28°01'11" ♄	-19°42'51"	00°00'00"	-00°00'47"	0.002
18/06/2031 00:00:00	T♁	06°09'26" ♁	20°03'34"	-03°14'02"	03°37'20"	0.003
18/06/2031 00:00:00	X	27°00'43" ♄	01°36'58"	-09°24'29"	00°00'21"	95.526
18/06/2031 00:00:00	Y	05°12'53" ♄	09°43'47"	-11°36'38"	00°00'46"	82.611
19/06/2031 00:00:00	♃	27°33'42" ♄	23°24'40"	00°00'00"	00°57'18"	1.016
19/06/2031 00:00:00	♃	17°21'32" ♄	21°06'21"	-01°44'04"	11°54'40"	0.003
19/06/2031 00:00:00	♁	09°34'42" ♁	24°57'42" ♁	01°52'44"	02°00'12"	1.254
19/06/2031 00:00:00	♁	11°40'12" ♁	18°52'57"	01°40'01"	00°47'27"	0.574
19/06/2031 00:00:00	♂	04°38'17" ♄	-14°14'57"	-01°15'31"	00°04'20"	0.660
19/06/2031 00:00:00	♃	23°39'04" ♄	-22°49'36"	00°27'18"	-00°07'38"	4.265
19/06/2031 00:00:00	♃	14°26'08" ♄	21°03'55"	-01°28'13"	00°07'40"	10.029
19/06/2031 00:00:00	♃	23°17'45" ♄	23°22'38"	00°06'49"	00°03'33"	20.133
19/06/2031 00:00:00	♁	15°22'45" ♄	04°38'10"	-01°32'10"	00°00'58"	30.145
19/06/2031 00:00:00	♁	13°23'17" ♄	-23°05'31"	-06°34'40"	-00°00'51"	36.112
19/06/2031 00:00:00	♄	27°59'40" ♄	-19°42'31"	00°00'00"	-00°02'15"	0.002
19/06/2031 00:00:00	♄	19°17'13" ♄	15°37'48"	-01°59'17"	00°03'19"	17.475
19/06/2031 00:00:00	♁	13°26'04" ♁	19°00'44"	-03°45'42"	00°06'41"	0.003

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19/06/2031 00:00:00	T♄	27°59'40" ♍	-19°42'31"	00°00'00"	-00°02'15"	0.002
19/06/2031 00:00:00	T♄	09°37'14" ♉	19°37'18"	-03°28'18"	03°17'06"	0.003
19/06/2031 00:00:00	X	27°01'05" ♀	01°37'03"	-09°24'33"	00°00'21"	95.511
19/06/2031 00:00:00	Y	05°13'40" ♀	09°43'52"	-11°36'41"	00°00'46"	82.604
20/06/2031 00:00:00	☉	28°31'00" ♀	23°25'30"	-00°00'00"	00°57'17"	1.016
20/06/2031 00:00:00	☾	29°14'18" ♀	20°43'13"	-02°42'39"	11°51'11"	0.003
20/06/2031 00:00:00	♁	11°33'54" ♉	24°50'30"	01°55'07"	01°58'11"	1.241
20/06/2031 00:00:00	♂	12°27'16" ♋	18°34'37"	01°34'41"	00°46'38"	0.566
20/06/2031 00:00:00	♂	04°43'01" ♍	-14°18'04"	-01°17'08"	00°05'06"	0.665
20/06/2031 00:00:00	♃	23°31'26" ♈	-22°49'22"	00°27'10"	-00°07'37"	4.266
20/06/2031 00:00:00	♃	14°33'48" ♀	21°04'49"	-01°28'11"	00°07'39"	10.025
20/06/2031 00:00:00	♃	23°21'18" ♀	23°22'50"	00°06'49"	00°03'33"	20.132
20/06/2031 00:00:00	♃	15°23'42" ♀	04°38'29"	-01°32'14"	00°00'56"	30.129
20/06/2031 00:00:00	♃	13°22'25" ♁	-23°05'58"	-06°34'53"	-00°00'52"	36.101
20/06/2031 00:00:00	♁	27°56'39" ♍	-19°41'50"	00°00'00"	-00°03'43"	0.002
20/06/2031 00:00:00	♁	19°20'32" ♋	15°38'33"	-01°59'26"	00°03'17"	17.464
20/06/2031 00:00:00	♁	13°32'45" ♉	18°59'28"	-03°46'19"	00°06'41"	0.003
20/06/2031 00:00:00	T♄	27°56'39" ♍	-19°41'50"	00°00'00"	-00°03'43"	0.002
20/06/2031 00:00:00	T♄	12°42'56" ♉	19°10'06"	-03°40'24"	02°54'38"	0.003

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20/06/2031 00:00:00	X	27°01'25" ♃	01°37'07"	-09°24'36"	00°00'20"	95.496
20/06/2031 00:00:00	Y	05°14'26" ♃	09°43'57"	-11°36'44"	00°00'46"	82.597
21/06/2031 00:00:00	☉	29°28'17" ♃	23°25'57"	-00°00'00"	00°57'17"	1.016
21/06/2031 00:00:00	☾	11°04'35" ☾	19°25'06"	-03°33'55"	11°49'40"	0.003
21/06/2031 00:00:00	♀	13°31'03" ☾	24°41'01" ♁	01°56'46"	01°56'05"	1.228
21/06/2031 00:00:00	♀	13°13'29" ♀	18°16'07"	01°29'08"	00°45'48"	0.558
21/06/2031 00:00:00	♂	04°48'29" ♃	-14°21'24"	-01°18'42"	00°05'51"	0.670
21/06/2031 00:00:00	♃	23°23'50" ♃	-22°49'08"	00°27'01"	-00°07'35"	4.267
21/06/2031 00:00:00	♃	14°41'27" ♃	21°05'43"	-01°28'09"	00°07'38"	10.021
21/06/2031 00:00:00	♃	23°24'51" ♃	23°23'01"	00°06'50"	00°03'33"	20.130
21/06/2031 00:00:00	♃	15°24'37" ♃	04°38'48"	-01°32'17"	00°00'54"	30.113
21/06/2031 00:00:00	♃	13°21'31" ♃	-23°06'25"	-06°35'05"	-00°00'53"	36.090
21/06/2031 00:00:00	♃	27°52'17" ♃	-19°40'51"	00°00'00"	-00°04'58"	0.002
21/06/2031 00:00:00	♃	19°23'49" ♃	15°39'17"	-01°59'35"	00°03'16"	17.452
21/06/2031 00:00:00	♃	13°39'26" ☾	18°58'13"	-03°46'55"	00°06'41"	0.003
21/06/2031 00:00:00	T♃	27°52'17" ♃	-19°40'51"	00°00'00"	-00°04'58"	0.002
21/06/2031 00:00:00	T♃	15°28'20" ☾	18°42'59"	-03°50'41"	02°37'24"	0.003
21/06/2031 00:00:00	X	27°01'46" ♃	01°37'11"	-09°24'39"	00°00'19"	95.481
21/06/2031 00:00:00	Y	05°15'13" ♃	09°44'01"	-11°36'47"	00°00'46"	82.590

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22/06/2031 00:00:00	☉	00°25'34" ♉	23°25'58"	-00°00'00"	00°57'16"	1.016
22/06/2031 00:00:00	☾	22°54'18" ♉	17°16'58"	-04°15'51"	11°50'06"	0.003
22/06/2031 00:00:00	♀	15°26'04" ♉	24°29'21" ♁	01°57'41"	01°53'56"	1.214
22/06/2031 00:00:00	♀	13°58'52" ♋	17°57'30"	01°23'22"	00°44'56"	0.550
22/06/2031 00:00:00	♂	04°54'43" ♎	-14°24'57"	-01°20'14"	00°06'36"	0.675
22/06/2031 00:00:00	♃	23°16'15" ♉	-22°48'54"	00°26'53"	-00°07'33"	4.268
22/06/2031 00:00:00	♄	14°49'05" ♉	21°06'36"	-01°28'07"	00°07'37"	10.017
22/06/2031 00:00:00	♅	23°28'24" ♉	23°23'12"	00°06'51"	00°03'32"	20.128
22/06/2031 00:00:00	♆	15°25'31" ♉	04°39'05"	-01°32'20"	00°00'52"	30.097
22/06/2031 00:00:00	♇	13°20'37" ♉	-23°06'53"	-06°35'17"	-00°00'54"	36.079
22/06/2031 00:00:00	♈	27°46'52" ♎	-19°39'38"	00°00'00"	-00°05'46"	0.002
22/06/2031 00:00:00	♉	19°27'04" ♉	15°40'01"	-01°59'44"	00°03'14"	17.440
22/06/2031 00:00:00	♊	13°46'08" ♉	18°56'57"	-03°47'31"	00°06'41"	0.003
22/06/2031 00:00:00	♋	27°46'52" ♎	-19°39'38"	00°00'00"	-00°05'46"	0.002
22/06/2031 00:00:00	♌	18°00'11" ♉	18°15'43"	-03°59'43"	02°27'16"	0.003
22/06/2031 00:00:00	X	27°02'05" ♉	01°37'15"	-09°24'42"	00°00'19"	95.466
22/06/2031 00:00:00	Y	05°15'59" ♉	09°44'06"	-11°36'51"	00°00'45"	82.582
23/06/2031 00:00:00	☉	01°22'50" ♉	23°25'34"	-00°00'00"	00°57'15"	1.016
23/06/2031 00:00:00	☾	04°45'32" ♋	14°25'31"	-04°46'49"	11°52'43"	0.003

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23/06/2031 00:00:00	♀	17°18'55" ♉	24°15'39" ♍	01°57'52"	01°51'45"	1.200
23/06/2031 00:00:00	♀	14°43'21" ♋	17°38'45"	01°17'20"	00°44'01"	0.543
23/06/2031 00:00:00	♂	05°01'42" ♎	-14°28'42"	-01°21'44"	00°07'20"	0.680
23/06/2031 00:00:00	♃	23°08'43" ♈	-22°48'39"	00°26'44"	-00°07'31"	4.270
23/06/2031 00:00:00	♃	14°56'42" ♉	21°07'28"	-01°28'06"	00°07'35"	10.012
23/06/2031 00:00:00	♃	23°31'57" ♉	23°23'23"	00°06'51"	00°03'32"	20.126
23/06/2031 00:00:00	♃	15°26'23" ♈	04°39'22"	-01°32'23"	00°00'50"	30.080
23/06/2031 00:00:00	♃	13°19'41" ♋	-23°07'21"	-06°35'29"	-00°00'56"	36.068
23/06/2031 00:00:00	♋	27°40'55" ♎	-19°38'18"	00°00'00"	-00°06'00"	0.002
23/06/2031 00:00:00	♋	19°30'17" ♋	15°40'44"	-01°59'54"	00°03'12"	17.428
23/06/2031 00:00:00	♋	13°52'49" ♉	18°55'41"	-03°48'07"	00°06'41"	0.003
23/06/2031 00:00:00	T♋	27°40'55" ♎	-19°38'18"	00°00'00"	-00°06'00"	0.002
23/06/2031 00:00:00	T♋	20°24'00" ♉	17°47'52"	-04°07'55"	02°20'24"	0.003
23/06/2031 00:00:00	X	27°02'24" ♈	01°37'18"	-09°24'46"	00°00'18"	95.451
23/06/2031 00:00:00	Y	05°16'44" ♉	09°44'10"	-11°36'54"	00°00'45"	82.574
24/06/2031 00:00:00	♃	02°20'06" ♉	23°24'46"	-00°00'00"	00°57'15"	1.016
24/06/2031 00:00:00	♃	16°40'35" ♋	10°58'21"	-05°05'32"	11°57'50"	0.003
24/06/2031 00:00:00	♀	19°09'34" ♉	24°00'02" ♍	01°57'20"	01°49'33"	1.185
24/06/2031 00:00:00	♀	15°26'54" ♋	17°19'55"	01°11'05"	00°43'04"	0.535

Ephemerides year 2031

24/06/2031 00:00:00	♂	05°09'24" ♍	-14°32'40"	-01°23'12"	00°08'03"	0.685
24/06/2031 00:00:00	♃	23°01'12" ♏	-22°48'25"	00°26'36"	-00°07'28"	4.272
24/06/2031 00:00:00	♅	15°04'17" ♁	21°08'20"	-01°28'04"	00°07'34"	10.007
24/06/2031 00:00:00	♁	23°35'29" ♁	23°23'34"	00°06'52"	00°03'32"	20.123
24/06/2031 00:00:00	♃	15°27'12" ♏	04°39'38"	-01°32'27"	00°00'48"	30.064
24/06/2031 00:00:00	♁	13°18'45" ♁	-23°07'49"	-06°35'41"	-00°00'57"	36.058
24/06/2031 00:00:00	♁	27°35'04" ♍	-19°36'58"	00°00'00"	-00°05'35"	0.002
24/06/2031 00:00:00	♃	19°33'28" ♏	15°41'26"	-02°00'03"	00°03'10"	17.415
24/06/2031 00:00:00	♁	13°59'30" ♁	18°54'25"	-03°48'42"	00°06'41"	0.003
24/06/2031 00:00:00	T♁	27°35'04" ♍	-19°36'58"	00°00'00"	-00°05'35"	0.002
24/06/2031 00:00:00	T♁	22°39'54" ♁	17°19'48"	-04°15'20"	02°10'18"	0.003
24/06/2031 00:00:00	X	27°02'43" ♏	01°37'21"	-09°24'49"	00°00'18"	95.435
24/06/2031 00:00:00	Y	05°17'30" ♁	09°44'14"	-11°36'57"	00°00'45"	82.566
25/06/2031 00:00:00	♁	03°17'21" ♁	23°23'33"	-00°00'00"	00°57'14"	1.016
25/06/2031 00:00:00	♃	28°42'10" ♏	07°03'22"	-05°11'01"	12°05'52"	0.003
25/06/2031 00:00:00	♃	20°58'01" ♁	23°42'39"	01°56'06"	01°47'19"	1.170
25/06/2031 00:00:00	♀	16°09'30" ♏	17°01'00"	01°04'35"	00°42'05"	0.527
25/06/2031 00:00:00	♂	05°17'49" ♍	-14°36'50"	-01°24'38"	00°08'46"	0.691
25/06/2031 00:00:00	♃	22°53'45" ♏	-22°48'10"	00°26'27"	-00°07'26"	4.274

Ephemerides year 2031

25/06/2031 00:00:00	♃	15°11'51" Ⅱ	21°09'11"	-01°28'03"	00°07'33"	10.002
25/06/2031 00:00:00	♃	23°39'01" Ⅱ	23°23'45"	00°06'52"	00°03'31"	20.120
25/06/2031 00:00:00	♃	15°28'00" Ⅱ	04°39'53"	-01°32'30"	00°00'46"	30.048
25/06/2031 00:00:00	♃	13°17'47" ♁	-23°08'17"	-06°35'52"	-00°00'58"	36.048
25/06/2031 00:00:00	♃	27°29'57" ♁	-19°35'49"	00°00'00"	-00°04'34"	0.002
25/06/2031 00:00:00	♃	19°36'37" ♁	15°42'07"	-02°00'12"	00°03'07"	17.403
25/06/2031 00:00:00	♃	14°06'11" ♁	18°53'09"	-03°49'18"	00°06'41"	0.003
25/06/2031 00:00:00	♃	27°29'57" ♁	-19°35'49"	00°00'00"	-00°04'34"	0.002
25/06/2031 00:00:00	♃	24°41'33" ♁	16°53'16"	-04°21'40"	01°51'05"	0.003
25/06/2031 00:00:00	X	27°03'01" Ⅱ	01°37'25"	-09°24'52"	00°00'17"	95.420
25/06/2031 00:00:00	Y	05°18'15" Ⅱ	09°44'18"	-11°37'01"	00°00'44"	82.558
26/06/2031 00:00:00	♃	04°14'35" ♁	23°21'55"	-00°00'00"	00°57'14"	1.017
26/06/2031 00:00:00	♃	10°53'27" ♁	02°48'34"	-05°02'38"	12°17'16"	0.003
26/06/2031 00:00:00	♃	22°44'13" ♁	23°23'37"	01°54'10"	01°45'04"	1.155
26/06/2031 00:00:00	♃	16°51'05" ♁	16°42'02"	00°57'50"	00°41'04"	0.519
26/06/2031 00:00:00	♃	05°26'57" ♁	-14°41'13"	-01°26'01"	00°09'28"	0.696
26/06/2031 00:00:00	♃	22°46'20" ♁	-22°47'55"	00°26'18"	-00°07'22"	4.277
26/06/2031 00:00:00	♃	15°19'23" Ⅱ	21°10'01"	-01°28'02"	00°07'31"	9.997
26/06/2031 00:00:00	♃	23°42'33" Ⅱ	23°23'56"	00°06'53"	00°03'31"	20.117

Ephemerides year 2031

26/06/2031 00:00:00	♁	15°28'46"	♄	04°40'08"	-01°32'33"	00°00'45"	30.031
26/06/2031 00:00:00	♁	13°16'48"	♁	-23°08'46"	-06°36'04"	-00°00'59"	36.038
26/06/2031 00:00:00	♁	27°26'04"	♄	-19°34'56"	00°00'00"	-00°03'07"	0.002
26/06/2031 00:00:00	♁	19°39'44"	♄	15°42'48"	-02°00'22"	00°03'05"	17.390
26/06/2031 00:00:00	♁	14°12'53"	♁	18°51'52"	-03°49'54"	00°06'41"	0.003
26/06/2031 00:00:00	T♁	27°26'04"	♄	-19°34'56"	00°00'00"	-00°03'07"	0.002
26/06/2031 00:00:00	T♁	26°17'48"	♁	16°31'23"	-04°26'29"	01°19'04"	0.003
26/06/2031 00:00:00	X	27°03'18"	♄	01°37'27"	-09°24'56"	00°00'17"	95.404
26/06/2031 00:00:00	Y	05°18'59"	♁	09°44'22"	-11°37'05"	00°00'44"	82.550
27/06/2031 00:00:00	♁	05°11'49"	♁	23°19'53"	-00°00'00"	00°57'13"	1.017
27/06/2031 00:00:00	♁	23°17'59"	♄	-01°37'43"	-04°40'04"	12°32'26"	0.003
27/06/2031 00:00:00	♁	24°28'10"	♁	23°03'04"	01°51'35"	01°42'49"	1.139
27/06/2031 00:00:00	♁	17°31'38"	♄	16°23'01"	00°50'49"	00°40'00"	0.512
27/06/2031 00:00:00	♁	05°36'47"	♄	-14°45'47"	-01°27'23"	00°10'10"	0.701
27/06/2031 00:00:00	♁	22°38'59"	♁	-22°47'40"	00°26'09"	-00°07'19"	4.280
27/06/2031 00:00:00	♁	15°26'54"	♁	21°10'51"	-01°28'00"	00°07'30"	9.992
27/06/2031 00:00:00	♁	23°46'04"	♁	23°24'06"	00°06'54"	00°03'30"	20.114
27/06/2031 00:00:00	♁	15°29'30"	♄	04°40'22"	-01°32'37"	00°00'43"	30.015
27/06/2031 00:00:00	♁	13°15'48"	♁	-23°09'14"	-06°36'15"	-00°01'00"	36.028

Ephemerides year 2031

27/06/2031 00:00:00	♏	27°23'45" ♍	-19°34'24"	00°00'00"	-00°01'30"	0.002
27/06/2031 00:00:00	♋	19°42'49" ♄	15°43'28"	-02°00'32"	00°03'03"	17.377
27/06/2031 00:00:00	♌	14°19'34" ♃	18°50'36"	-03°50'29"	00°06'41"	0.003
27/06/2031 00:00:00	T♏	27°23'45" ♍	-19°34'24"	00°00'00"	-00°01'30"	0.002
27/06/2031 00:00:00	T♌	27°15'10" ♃	16°17'57"	-04°29'18"	00°33'31"	0.003
27/06/2031 00:00:00	X	27°03'35" ♄	01°37'30"	-09°24'59"	00°00'16"	95.389
27/06/2031 00:00:00	Y	05°19'44" ♀	09°44'25"	-11°37'09"	00°00'44"	82.541
28/06/2031 00:00:00	♁	06°09'02" ♃	23°17'26"	-00°00'00"	00°57'13"	1.017
28/06/2031 00:00:00	♃	05°59'38" ♄	-06°06'17"	-04°03'27"	12°51'29"	0.003
28/06/2031 00:00:00	♌	26°09'51" ♃	22°41'07"	01°48'20"	01°40'33"	1.123
28/06/2031 00:00:00	♍	18°11'06" ♄	16°03'59"	00°43'34"	00°38'54"	0.504
28/06/2031 00:00:00	♎	05°47'18" ♍	-14°50'32"	-01°28'42"	00°10'51"	0.706
28/06/2031 00:00:00	♏	22°31'42" ♄	-22°47'24"	00°26'00"	-00°07'15"	4.283
28/06/2031 00:00:00	♐	15°34'24" ♀	21°11'40"	-01°27'59"	00°07'28"	9.986
28/06/2031 00:00:00	♑	23°49'34" ♀	23°24'17"	00°06'54"	00°03'30"	20.110
28/06/2031 00:00:00	♒	15°30'13" ♄	04°40'35"	-01°32'40"	00°00'41"	29.998
28/06/2031 00:00:00	♓	13°14'47" ♄	-23°09'43"	-06°36'27"	-00°01'01"	36.018
28/06/2031 00:00:00	♏	27°23'01" ♍	-19°34'14"	00°00'00"	-00°00'00"	0.002
28/06/2031 00:00:00	♋	19°45'52" ♄	15°44'07"	-02°00'41"	00°03'01"	17.364

Ephemerides year 2031

28/06/2031 00:00:00	☾	14°26'15" ♉	18°49'19"	-03°51'04"	00°06'41"	0.003
28/06/2031 00:00:00	♁	27°23'01" ♎	-19°34'14"	00°00'00"	-00°00'00"	0.002
28/06/2031 00:00:00	♁	27°21'21" ♉	16°16'26"	-04°29'39"	-00°22'20"	0.003
28/06/2031 00:00:00	X	27°03'51" ♀	01°37'32"	-09°25'03"	00°00'15"	95.373
28/06/2031 00:00:00	Y	05°20'28" ♀	09°44'28"	-11°37'13"	00°00'43"	82.532
29/06/2031 00:00:00	☉	07°06'15" ♉	23°14'35"	-00°00'00"	00°57'12"	1.017
29/06/2031 00:00:00	☾	19°02'13" ♋	-10°26'04"	-03°13'25"	13°14'14"	0.003
29/06/2031 00:00:00	♀	27°49'17" ♉	22°17'54"	01°44'27"	01°38'17"	1.107
29/06/2031 00:00:00	♀	18°49'26" ♋	15°44'58"	00°36'03"	00°37'45"	0.497
29/06/2031 00:00:00	♂	05°58'29" ♎	-14°55'29"	-01°30'00"	00°11'31"	0.712
29/06/2031 00:00:00	♃	22°24'28" ♏	-22°47'09"	00°25'51"	-00°07'11"	4.286
29/06/2031 00:00:00	♃	15°41'52" ♀	21°12'28"	-01°27'58"	00°07'27"	9.980
29/06/2031 00:00:00	♃	23°53'04" ♀	23°24'27"	00°06'55"	00°03'29"	20.107
29/06/2031 00:00:00	♃	15°30'53" ♀	04°40'47"	-01°32'44"	00°00'39"	29.981
29/06/2031 00:00:00	♃	13°13'44" ♏	-23°10'12"	-06°36'38"	-00°01'02"	36.009
29/06/2031 00:00:00	♁	27°23'35" ♎	-19°34'22"	00°00'00"	00°01'02"	0.002
29/06/2031 00:00:00	♃	19°48'52" ♏	15°44'46"	-02°00'51"	00°02'59"	17.350
29/06/2031 00:00:00	☾	14°32'57" ♉	18°48'02"	-03°51'39"	00°06'41"	0.003
29/06/2031 00:00:00	♁	27°23'35" ♎	-19°34'22"	00°00'00"	00°01'02"	0.002

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29/06/2031 00:00:00	T♄	26°29'47" ♉	16°28'28"	-04°27'13"	-01°20'07"	0.003
29/06/2031 00:00:00	X	27°04'06" ♀	01°37'34"	-09°25'07"	00°00'15"	95.357
29/06/2031 00:00:00	Y	05°21'11" ♀	09°44'32"	-11°37'17"	00°00'43"	82.523
30/06/2031 00:00:00	☉	08°03'27" ♉	23°11'19"	00°00'00"	00°57'12"	1.017
30/06/2031 00:00:00	☾	02°29'06" ♎	-14°23'17"	-02°11'22"	13°39'55"	0.003
30/06/2031 00:00:00	♀	29°26'27" ♉	21°53'31"	01°39'57"	01°36'01"	1.091
30/06/2031 00:00:00	♀	19°26'36" ♋	15°25'58"	00°28'16"	00°36'33"	0.489
30/06/2031 00:00:00	♂	06°10'20" ♎	-15°00'37"	-01°31'15"	00°12'10"	0.717
30/06/2031 00:00:00	♃	22°17'19" ♉	-22°46'53"	00°25'41"	-00°07'06"	4.290
30/06/2031 00:00:00	♅	15°49'18" ♀	21°13'16"	-01°27'58"	00°07'25"	9.974
30/06/2031 00:00:00	♁	23°56'33" ♀	23°24'37"	00°06'55"	00°03'28"	20.102
30/06/2031 00:00:00	♃	15°31'31" ♀	04°40'59"	-01°32'47"	00°00'37"	29.965
30/06/2031 00:00:00	♁	13°12'41" ♉	-23°10'41"	-06°36'49"	-00°01'03"	36.000
30/06/2031 00:00:00	♎	27°24'52" ♎	-19°34'39"	00°00'00"	00°01'23"	0.002
30/06/2031 00:00:00	♅	19°51'50" ♉	15°45'24"	-02°01'01"	00°02'57"	17.337
30/06/2031 00:00:00	♁	14°39'38" ♉	18°46'44"	-03°52'14"	00°06'41"	0.003
30/06/2031 00:00:00	T♎	27°24'52" ♎	-19°34'39"	00°00'00"	00°01'23"	0.002
30/06/2031 00:00:00	T♄	24°44'47" ♉	16°52'23"	-04°22'00"	-02°06'50"	0.003
30/06/2031 00:00:00	X	27°04'21" ♀	01°37'36"	-09°25'10"	00°00'14"	95.341

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30/06/2031 00:00:00	Y	05°21'54" ♀	09°44'34"	-11°37'21"	00°00'43"	82.513
01/07/2031 00:00:00	☉	09°00'39" ♃	23°07'39"	00°00'00"	00°57'11"	1.017
01/07/2031 00:00:00	☾	16°22'33" ♎	-17°41'05"	-00°59'44"	14°07'03"	0.002
01/07/2031 00:00:00	♀	01°01'19" ♃	21°28'06"	01°34'52"	01°33'43"	1.075
01/07/2031 00:00:00	♀	20°02'33" ♃	15°07'01"	00°20'13"	00°35'19"	0.482
01/07/2031 00:00:00	♂	06°22'50" ♎	-15°05'55"	-01°32'29"	00°12'49"	0.722
01/07/2031 00:00:00	♃	22°10'15" ♃	-22°46'38"	00°25'32"	-00°07'02"	4.294
01/07/2031 00:00:00	♃	15°56'43" ♀	21°14'03"	-01°27'57"	00°07'23"	9.968
01/07/2031 00:00:00	♃	24°00'02" ♀	23°24'47"	00°06'56"	00°03'28"	20.098
01/07/2031 00:00:00	♃	15°32'08" ♃	04°41'10"	-01°32'50"	00°00'35"	29.948
01/07/2031 00:00:00	♃	13°11'37" ♃	-23°11'10"	-06°37'00"	-00°01'04"	35.991
01/07/2031 00:00:00	♃	27°26'05" ♎	-19°34'56"	00°00'00"	00°00'54"	0.002
01/07/2031 00:00:00	♃	19°54'46" ♃	15°46'01"	-02°01'11"	00°02'54"	17.323
01/07/2031 00:00:00	♃	14°46'19" ♃	18°45'27"	-03°52'49"	00°06'41"	0.003
01/07/2031 00:00:00	T♃	27°26'05" ♎	-19°34'56"	00°00'00"	00°00'54"	0.002
01/07/2031 00:00:00	T♃	22°23'59" ♃	17°23'04"	-04°14'35"	-02°30'15"	0.003
01/07/2031 00:00:00	X	27°04'36" ♃	01°37'38"	-09°25'14"	00°00'14"	95.325
01/07/2031 00:00:00	Y	05°22'37" ♀	09°44'37"	-11°37'25"	00°00'42"	82.504
02/07/2031 00:00:00	☉	09°57'51" ♃	23°03'34"	00°00'00"	00°57'11"	1.017

Ephemerides year 2031

02/07/2031 00:00:00	♃	00°42'57" ♀	-20°00'21"	00°17'46"	14°33'21"	0.002
02/07/2031 00:00:00	♆	02°33'54" ♂	21°01'46"	01°29'11"	01°31'25"	1.058
02/07/2031 00:00:00	♀	20°37'14" ♂	14°48'08"	00°11'54"	00°34'01"	0.474
02/07/2031 00:00:00	♂	06°35'58" ♃	-15°11'24"	-01°33'41"	00°13'26"	0.728
02/07/2031 00:00:00	♃	22°03'15" ♀	-22°46'22"	00°25'23"	-00°06'57"	4.298
02/07/2031 00:00:00	♅	16°04'06" ♀	21°14'49"	-01°27'56"	00°07'22"	9.961
02/07/2031 00:00:00	♃	24°03'30" ♀	23°24'57"	00°06'57"	00°03'27"	20.094
02/07/2031 00:00:00	♃	15°32'43" ♀	04°41'20"	-01°32'54"	00°00'33"	29.931
02/07/2031 00:00:00	♃	13°10'32" ♀	-23°11'39"	-06°37'10"	-00°01'05"	35.983
02/07/2031 00:00:00	♃	27°26'26" ♃	-19°35'01"	00°00'00"	-00°00'20"	0.002
02/07/2031 00:00:00	♃	19°57'40" ♂	15°46'37"	-02°01'22"	00°02'52"	17.309
02/07/2031 00:00:00	♃	14°53'01" ♀	18°44'09"	-03°53'24"	00°06'41"	0.003
02/07/2031 00:00:00	♃	27°26'26" ♃	-19°35'01"	00°00'00"	-00°00'20"	0.002
02/07/2031 00:00:00	♃	19°53'11" ♀	17°54'03"	-04°06'08"	-02°27'26"	0.003
02/07/2031 00:00:00	X	27°04'50" ♀	01°37'39"	-09°25'18"	00°00'13"	95.309
02/07/2031 00:00:00	Y	05°23'20" ♀	09°44'40"	-11°37'30"	00°00'42"	82.494
03/07/2031 00:00:00	♃	10°55'02" ♀	22°59'05"	00°00'00"	00°57'11"	1.017
03/07/2031 00:00:00	♃	15°28'02" ♀	-21°02'53"	01°36'08"	14°55'54"	0.002
03/07/2031 00:00:00	♆	04°04'11" ♂	20°34'36"	01°22'56"	01°29'06"	1.042

Ephemerides year 2031

03/07/2031 00:00:00	♀	21°10'36" ♋	14°29'21"	00°03'18"	00°32'41"	0.467
03/07/2031 00:00:00	♂	06°49'44" ♎	-15°17'03"	-01°34'51"	00°14'03"	0.733
03/07/2031 00:00:00	♃	21°56'20" ♈	-22°46'07"	00°25'13"	-00°06'51"	4.303
03/07/2031 00:00:00	♅	16°11'27" ♊	21°15'35"	-01°27'56"	00°07'20"	9.954
03/07/2031 00:00:00	♁	24°06'57" ♉	23°25'07"	00°06'57"	00°03'27"	20.089
03/07/2031 00:00:00	♃	15°33'15" ♈	04°41'29"	-01°32'57"	00°00'31"	29.915
03/07/2031 00:00:00	♁	13°09'26" ♉	-23°12'09"	-06°37'21"	-00°01'06"	35.974
03/07/2031 00:00:00	♋	27°25'13" ♎	-19°34'44"	00°00'00"	-00°02'07"	0.002
03/07/2031 00:00:00	♅	20°00'31" ♊	15°47'13"	-02°01'32"	00°02'50"	17.295
03/07/2031 00:00:00	♁	14°59'42" ♉	18°42'51"	-03°53'59"	00°06'41"	0.003
03/07/2031 00:00:00	T♋	27°25'13" ♎	-19°34'44"	00°00'00"	-00°02'07"	0.002
03/07/2031 00:00:00	T♁	17°34'39" ♉	18°20'43"	-03°57'58"	-02°08'13"	0.003
03/07/2031 00:00:00	X	27°05'03" ♈	01°37'40"	-09°25'21"	00°00'13"	95.293
03/07/2031 00:00:00	Y	05°24'02" ♊	09°44'42"	-11°37'34"	00°00'42"	82.484
04/07/2031 00:00:00	♃	11°52'13" ♈	22°54'13"	00°00'00"	00°57'10"	1.017
04/07/2031 00:00:00	♃	00°32'26" ♈	-20°36'32"	02°49'24"	15°11'29"	0.002
04/07/2031 00:00:00	♃	05°32'08" ♋	20°06'43"	01°16'08"	01°26'46"	1.026
04/07/2031 00:00:00	♀	21°42'35" ♋	14°10'41"	-00°05'33"	00°31'17"	0.459
04/07/2031 00:00:00	♂	07°04'06" ♎	-15°22'51"	-01°35'59"	00°14'40"	0.739

Ephemerides year 2031

04/07/2031 00:00:00	♃	21°49'31" ♏	-22°45'52"	00°25'04"	-00°06'46"	4.308
04/07/2031 00:00:00	♅	16°18'46" ♏	21°16'20"	-01°27'55"	00°07'18"	9.947
04/07/2031 00:00:00	♅	24°10'24" ♏	23°25'17"	00°06'58"	00°03'26"	20.084
04/07/2031 00:00:00	♆	15°33'46" ♏	04°41'38"	-01°33'01"	00°00'30"	29.898
04/07/2031 00:00:00	♁	13°08'20" ♏	-23°12'38"	-06°37'31"	-00°01'07"	35.966
04/07/2031 00:00:00	♁	27°22'06" ♏	-19°34'02"	00°00'00"	-00°04'05"	0.002
04/07/2031 00:00:00	♆	20°03'21" ♏	15°47'48"	-02°01'42"	00°02'47"	17.281
04/07/2031 00:00:00	♁	15°06'24" ♏	18°41'33"	-03°54'34"	00°06'41"	0.003
04/07/2031 00:00:00	♁	27°22'06" ♏	-19°34'02"	00°00'00"	-00°04'05"	0.002
04/07/2031 00:00:00	♁	15°36'41" ♏	18°41'56"	-03°50'47"	-01°49'00"	0.003
04/07/2031 00:00:00	X	27°05'16" ♏	01°37'41"	-09°25'25"	00°00'12"	95.276
04/07/2031 00:00:00	Y	05°24'44" ♏	09°44'44"	-11°37'39"	00°00'41"	82.473
05/07/2031 00:00:00	♁	12°49'24" ♏	22°48'56"	00°00'00"	00°57'10"	1.017
05/07/2031 00:00:00	♁	15°47'49" ♏	-18°40'06"	03°51'22"	15°17'30"	0.002
05/07/2031 00:00:00	♁	06°57'44" ♏	19°38'14"	01°08'48"	01°24'24"	1.009
05/07/2031 00:00:00	♁	22°13'10" ♏	13°52'09"	-00°14'42"	00°29'51"	0.452
05/07/2031 00:00:00	♁	07°19'04" ♏	-15°28'49"	-01°37'06"	00°15'15"	0.744
05/07/2031 00:00:00	♃	21°42'47" ♏	-22°45'36"	00°24'54"	-00°06'40"	4.313
05/07/2031 00:00:00	♅	16°26'04" ♏	21°17'04"	-01°27'55"	00°07'16"	9.940

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05/07/2031 00:00:00	♃	24°13'50" Ⅱ	23°25'26"	00°06'59"	00°03'25"	20.078
05/07/2031 00:00:00	♃	15°34'15" Ⅱ	04°41'46"	-01°33'04"	00°00'28"	29.881
05/07/2031 00:00:00	♃	13°07'12" Ⅱ	-23°13'08"	-06°37'41"	-00°01'08"	35.958
05/07/2031 00:00:00	♃	27°17'08" Ⅱ	-19°32'54"	00°00'00"	-00°05'46"	0.002
05/07/2031 00:00:00	♃	20°06'07" Ⅱ	15°48'22"	-02°01'52"	00°02'45"	17.267
05/07/2031 00:00:00	♃	15°13'05" Ⅱ	18°40'15"	-03°55'08"	00°06'41"	0.003
05/07/2031 00:00:00	T♃	27°17'08" Ⅱ	-19°32'54"	00°00'00"	-00°05'46"	0.002
05/07/2031 00:00:00	T♃	13°52'08" Ⅱ	18°59'29"	-03°44'22"	-01°42'50"	0.003
05/07/2031 00:00:00	X	27°05'28" Ⅱ	01°37'42"	-09°25'29"	00°00'11"	95.260
05/07/2031 00:00:00	Y	05°25'25" Ⅱ	09°44'46"	-11°37'44"	00°00'41"	82.463
06/07/2031 00:00:00	♃	13°46'35" Ⅱ	22°43'16"	00°00'00"	00°57'10"	1.017
06/07/2031 00:00:00	♃	01°03'50" Ⅱ	-15°24'41"	04°36'48"	15°12'41"	0.002
06/07/2031 00:00:00	♃	08°20'57" Ⅱ	19°09'14"	01°00'58"	01°22'01"	0.993
06/07/2031 00:00:00	♃	22°42'17" Ⅱ	13°33'47"	-00°24'08"	00°28'21"	0.445
06/07/2031 00:00:00	♃	07°34'36" Ⅱ	-15°34'55"	-01°38'10"	00°15'50"	0.750
06/07/2031 00:00:00	♃	21°36'09" Ⅱ	-22°45'21"	00°24'44"	-00°06'34"	4.318
06/07/2031 00:00:00	♃	16°33'19" Ⅱ	21°17'47"	-01°27'55"	00°07'14"	9.933
06/07/2031 00:00:00	♃	24°17'15" Ⅱ	23°25'36"	00°06'59"	00°03'24"	20.072
06/07/2031 00:00:00	♃	15°34'43" Ⅱ	04°41'53"	-01°33'08"	00°00'26"	29.864

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06/07/2031 00:00:00	♁	13°06'03" ♁	-23°13'38"	-06°37'51"	-00°01'08"	35.951
06/07/2031 00:00:00	♁	27°10'47" ♁	-19°31'27"	00°00'00"	-00°06'46"	0.002
06/07/2031 00:00:00	♁	20°08'51" ♁	15°48'55"	-02°02'03"	00°02'43"	17.252
06/07/2031 00:00:00	♁	15°19'47" ♁	18°38'56"	-03°55'42"	00°06'41"	0.003
06/07/2031 00:00:00	♁	27°10'47" ♁	-19°31'27"	00°00'00"	-00°06'46"	0.002
06/07/2031 00:00:00	♁	12°05'15" ♁	19°16'05"	-03°37'49"	-01°53'23"	0.003
06/07/2031 00:00:00	X	27°05'40" ♁	01°37'42"	-09°25'33"	00°00'11"	95.243
06/07/2031 00:00:00	Y	05°26'06" ♁	09°44'48"	-11°37'49"	00°00'40"	82.452
07/07/2031 00:00:00	♁	14°43'46" ♁	22°37'12"	00°00'00"	00°57'10"	1.017
07/07/2031 00:00:00	♁	16°09'47" ♁	-11°10'22"	05°02'23"	14°57'38"	0.002
07/07/2031 00:00:00	♁	09°41'45" ♁	18°39'48"	00°52'38"	01°19'35"	0.977
07/07/2031 00:00:00	♁	23°09'52" ♁	13°15'36"	-00°33'51"	00°26'48"	0.438
07/07/2031 00:00:00	♁	07°50'44" ♁	-15°41'11"	-01°39'13"	00°16'24"	0.756
07/07/2031 00:00:00	♁	21°29'38" ♁	-22°45'06"	00°24'34"	-00°06'28"	4.324
07/07/2031 00:00:00	♁	16°40'32" ♁	21°18'30"	-01°27'55"	00°07'12"	9.925
07/07/2031 00:00:00	♁	24°20'39" ♁	23°25'45"	00°07'00"	00°03'23"	20.067
07/07/2031 00:00:00	♁	15°35'08" ♁	04°42'00"	-01°33'11"	00°00'24"	29.848
07/07/2031 00:00:00	♁	13°04'54" ♁	-23°14'07"	-06°38'01"	-00°01'09"	35.943
07/07/2031 00:00:00	♁	27°03'53" ♁	-19°29'52"	00°00'00"	-00°06'51"	0.002

Ephemerides year 2031

07/07/2031 00:00:00	♄	20°11'33" ♂	15°49'28"	-02°02'14"	00°02'40"	17.238
07/07/2031 00:00:00	♁	15°26'29" ♉	18°37'38"	-03°56'17"	00°06'41"	0.003
07/07/2031 00:00:00	♁♂	27°03'53" ♉♂	-19°29'52"	00°00'00"	-00°06'51"	0.002
07/07/2031 00:00:00	♁♄	10°02'12" ♉♄	19°33'38"	-03°30'11"	-02°13'07"	0.003
07/07/2031 00:00:00	X	27°05'51" ♀	01°37'43"	-09°25'37"	00°00'10"	95.227
07/07/2031 00:00:00	Y	05°26'47" ♀	09°44'50"	-11°37'54"	00°00'40"	82.441
08/07/2031 00:00:00	♁	15°40'57" ♉	22°30'45"	00°00'00"	00°57'11"	1.017
08/07/2031 00:00:00	♃	00°56'28" ♀	-06°20'43"	05°07'08"	14°34'40"	0.002
08/07/2031 00:00:00	♁	11°00'06" ♉	18°10'03"	00°43'48"	01°17'06"	0.961
08/07/2031 00:00:00	♁	23°35'53" ♉	12°57'38"	-00°43'51"	00°25'12"	0.431
08/07/2031 00:00:00	♁	08°07'24" ♉	-15°47'35"	-01°40'15"	00°16'57"	0.761
08/07/2031 00:00:00	♁♂	21°23'12" ♉♂	-22°44'51"	00°24'25"	-00°06'22"	4.330
08/07/2031 00:00:00	♁	16°47'44" ♉	21°19'13"	-01°27'55"	00°07'10"	9.917
08/07/2031 00:00:00	♁	24°24'02" ♉	23°25'55"	00°07'01"	00°03'22"	20.060
08/07/2031 00:00:00	♁	15°35'31" ♉	04°42'05"	-01°33'15"	00°00'22"	29.831
08/07/2031 00:00:00	♁	13°03'44" ♉	-23°14'37"	-06°38'11"	-00°01'10"	35.936
08/07/2031 00:00:00	♁	26°57'23" ♉	-19°28'22"	00°00'00"	-00°06'00"	0.002
08/07/2031 00:00:00	♄	20°14'12" ♂	15°50'00"	-02°02'24"	00°02'37"	17.223
08/07/2031 00:00:00	♁	15°33'10" ♉	18°36'19"	-03°56'51"	00°06'41"	0.003

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08/07/2031 00:00:00	T♄	26°57'23" ♍	-19°28'22"	00°00'00"	-00°06'00"	0.002
08/07/2031 00:00:00	T♄	07°41'04" ♉	19°51'46"	-03°21'11"	-02°26'40"	0.003
08/07/2031 00:00:00	X	27°06'01" ♄	01°37'43"	-09°25'40"	00°00'09"	95.210
08/07/2031 00:00:00	Y	05°27'27" ♀	09°44'52"	-11°37'59"	00°00'39"	82.430
09/07/2031 00:00:00	☉	16°38'08" ♉	22°23'54"	00°00'00"	00°57'11"	1.017
09/07/2031 00:00:00	☾	15°17'34" ♀	-01°17'59"	04°52'16"	14°07'02"	0.002
09/07/2031 00:00:00	♁	12°15'58" ♄	17°40'04"	00°34'32"	01°14'35"	0.945
09/07/2031 00:00:00	♂	24°00'16" ♄	12°39'53"	-00°54'08"	00°23'33"	0.424
09/07/2031 00:00:00	♂	08°24'38" ♍	-15°54'07"	-01°41'15"	00°17'30"	0.767
09/07/2031 00:00:00	♃	21°16'53" ♌	-22°44'37"	00°24'15"	-00°06'15"	4.336
09/07/2031 00:00:00	♅	16°54'53" ♀	21°19'54"	-01°27'55"	00°07'07"	9.909
09/07/2031 00:00:00	♅	24°27'24" ♀	23°26'04"	00°07'01"	00°03'21"	20.054
09/07/2031 00:00:00	♆	15°35'52" ♄	04°42'10"	-01°33'18"	00°00'20"	29.814
09/07/2031 00:00:00	♁	13°02'32" ♌	-23°15'07"	-06°38'20"	-00°01'11"	35.929
09/07/2031 00:00:00	♁	26°52'06" ♍	-19°27'10"	00°00'00"	-00°04'26"	0.002
09/07/2031 00:00:00	♂	20°16'49" ♄	15°50'31"	-02°02'35"	00°02'35"	17.208
09/07/2031 00:00:00	♁	15°39'51" ♉	18°35'00"	-03°57'25"	00°06'41"	0.003
09/07/2031 00:00:00	T♄	26°52'06" ♍	-19°27'10"	00°00'00"	-00°04'26"	0.002
09/07/2031 00:00:00	T♄	05°16'10" ♉	20°08'15"	-03°11'37"	-02°18'40"	0.003

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09/07/2031 00:00:00	X	27°06'11" ♀	01°37'42"	-09°25'44"	00°00'09"	95.194
09/07/2031 00:00:00	Y	05°28'06" ♀	09°44'53"	-11°38'04"	00°00'39"	82.418
10/07/2031 00:00:00	☉	17°35'20" ♄	22°16'40"	00°00'00"	00°57'11"	1.017
10/07/2031 00:00:00	☾	29°10'06" ♃	03°39'07"	04°20'28"	13°38'04"	0.003
10/07/2031 00:00:00	♁	13°29'16" ♄	17°09'57"	00°24'48"	01°12'00"	0.929
10/07/2031 00:00:00	♂	24°22'58" ♄	12°22'25"	-01°04'42"	00°21'50"	0.417
10/07/2031 00:00:00	♂	08°42'25" ♃	-16°00'47"	-01°42'13"	00°18'02"	0.773
10/07/2031 00:00:00	♃	21°10'40" ♃	-22°44'22"	00°24'05"	-00°06'08"	4.342
10/07/2031 00:00:00	♃	17°01'59" ♀	21°20'35"	-01°27'55"	00°07'05"	9.901
10/07/2031 00:00:00	♃	24°30'46" ♀	23°26'13"	00°07'02"	00°03'20"	20.047
10/07/2031 00:00:00	♁	15°36'11" ♀	04°42'15"	-01°33'22"	00°00'18"	29.797
10/07/2031 00:00:00	♁	13°01'21" ♃	-23°15'37"	-06°38'30"	-00°01'12"	35.923
10/07/2031 00:00:00	♁	26°48'37" ♃	-19°26'21"	00°00'00"	-00°02'31"	0.002
10/07/2031 00:00:00	♁	20°19'23" ♃	15°51'01"	-02°02'46"	00°02'32"	17.192
10/07/2031 00:00:00	♁	15°46'33" ♄	18°33'41"	-03°57'59"	00°06'41"	0.003
10/07/2031 00:00:00	T♁	26°48'37" ♃	-19°26'21"	00°00'00"	-00°02'31"	0.002
10/07/2031 00:00:00	T♁	03°12'52" ♄	20°20'32"	-03°03'10"	-01°43'40"	0.003
10/07/2031 00:00:00	X	27°06'20" ♀	01°37'42"	-09°25'48"	00°00'08"	95.177
10/07/2031 00:00:00	Y	05°28'45" ♀	09°44'54"	-11°38'10"	00°00'38"	82.407

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11/07/2031 00:00:00	♁	18°32'32" ♉	22°09'02"	00°00'00"	00°57'12"	1.017
11/07/2031 00:00:00	♃	12°34'11" ♈	08°16'01"	03°35'14"	13°10'30"	0.003
11/07/2031 00:00:00	♆	14°39'58" ♄	16°39'48"	00°14'38"	01°09'21"	0.913
11/07/2031 00:00:00	♀	24°43'56" ♋	12°05'14"	-01°15'33"	00°20'04"	0.411
11/07/2031 00:00:00	♂	09°00'44" ♌	-16°07'35"	-01°43'10"	00°18'34"	0.778
11/07/2031 00:00:00	♋	21°04'35" ♈	-22°44'08"	00°23'55"	-00°06'01"	4.349
11/07/2031 00:00:00	♅	17°09'04" ♊	21°21'15"	-01°27'56"	00°07'03"	9.893
11/07/2031 00:00:00	♁	24°34'06" ♉	23°26'22" ○	00°07'03"	00°03'19"	20.041
11/07/2031 00:00:00	♆	15°36'28" ♄	04°42'18"	-01°33'25"	00°00'16"	29.780
11/07/2031 00:00:00	♁	13°00'08" ♉	-23°16'08"	-06°38'39"	-00°01'13"	35.916
11/07/2031 00:00:00	♁	26°47'01" ♉	-19°25'59"	00°00'00"	-00°00'43"	0.002
11/07/2031 00:00:00	♆	20°21'54" ♄	15°51'31"	-02°02'57"	00°02'30"	17.177
11/07/2031 00:00:00	♁	15°53'14" ♉	18°32'21"	-03°58'33"	00°06'41"	0.003
11/07/2031 00:00:00	T♁	26°47'01" ♉	-19°25'59"	00°00'00"	-00°00'43"	0.002
11/07/2031 00:00:00	T♆	01°55'27" ♄	20°27'27"	-02°57'43"	-00°48'59"	0.003
11/07/2031 00:00:00	X	27°06'28" ♈	01°37'41"	-09°25'52"	00°00'08"	95.160
11/07/2031 00:00:00	Y	05°29'24" ♊	09°44'55"	-11°38'15"	00°00'38"	82.395
12/07/2031 00:00:00	♁	19°29'44" ♉	22°01'02"	00°00'00"	00°57'12"	1.017
12/07/2031 00:00:00	♃	25°32'14" ♈	12°21'24"	02°40'11"	12°46'15"	0.003

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12/07/2031 00:00:00	♀	15°47'58" ♀	16°09'41"	00°04'04"	01°06'38"	0.897
12/07/2031 00:00:00	♀	25°03'07" ♀	11°48'21"	-01°26'41"	00°18'15"	0.404
12/07/2031 00:00:00	♂	09°19'34" ♀	-16°14'30"	-01°44'05"	00°19'06"	0.784
12/07/2031 00:00:00	♂	20°58'37" ♂	-22°43'54"	00°23'44"	-00°05'54"	4.356
12/07/2031 00:00:00	♂	17°16'06" ♀	21°21'54"	-01°27'56"	00°07'01"	9.884
12/07/2031 00:00:00	♂	24°37'25" ♀	23°26'31" ○	00°07'03"	00°03'18"	20.034
12/07/2031 00:00:00	♂	15°36'43" ♂	04°42'20"	-01°33'29"	00°00'14"	29.764
12/07/2031 00:00:00	♂	12°58'54" ♂	-23°16'38"	-06°38'48"	-00°01'13"	35.910
12/07/2031 00:00:00	♂	26°46'59" ♀	-19°25'59"	00°00'00"	00°00'33"	0.002
12/07/2031 00:00:00	♂	20°24'23" ♂	15°51'59"	-02°03'08"	00°02'27"	17.162
12/07/2031 00:00:00	♂	15°59'56" ♀	18°31'02"	-03°59'06"	00°06'41"	0.003
12/07/2031 00:00:00	T♂	26°46'59" ♀	-19°25'59"	00°00'00"	00°00'33"	0.002
12/07/2031 00:00:00	T♂	01°36'53" ♀	20°29'04"	-02°56'22"	00°11'44"	0.003
12/07/2031 00:00:00	X	27°06'36" ♂	01°37'40"	-09°25'56"	00°00'07"	95.144
12/07/2031 00:00:00	Y	05°30'02" ♀	09°44'56"	-11°38'21"	00°00'37"	82.383
13/07/2031 00:00:00	♂	20°26'57" ♀	21°52'39"	00°00'00"	00°57'13"	1.017
13/07/2031 00:00:00	♂	08°08'08" ♂	15°46'27"	01°38'48"	12°26'17"	0.003
13/07/2031 00:00:00	♀	16°53'13" ♀	15°39'42"	-00°06'52"	01°03'50"	0.882
13/07/2031 00:00:00	♀	25°20'26" ♀	11°31'50"	-01°38'05"	00°16'22"	0.398

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13/07/2031 00:00:00	♂	09°38'56" ♎	-16°21'32"	-01°44'59"	00°19'36"	0.790
13/07/2031 00:00:00	♃	20°52'47" ♏	-22°43'40"	00°23'34"	-00°05'46"	4.363
13/07/2031 00:00:00	♅	17°23'06" ♏	21°22'33"	-01°27'57"	00°06'58"	9.875
13/07/2031 00:00:00	♁	24°40'43" ♏	23°26'39" ○	00°07'04"	00°03'17"	20.026
13/07/2031 00:00:00	♃	15°36'56" ♏	04°42'22"	-01°33'32"	00°00'12"	29.747
13/07/2031 00:00:00	♁	12°57'40" ♏	-23°17'08"	-06°38'57"	-00°01'14"	35.905
13/07/2031 00:00:00	♁	26°47'52" ♎	-19°26'11"	00°00'00"	00°01'02"	0.002
13/07/2031 00:00:00	♃	20°26'49" ♏	15°52'27"	-02°03'19"	00°02'24"	17.146
13/07/2031 00:00:00	♁	16°06'37" ♏	18°29'42"	-03°59'40"	00°06'41"	0.003
13/07/2031 00:00:00	♁	26°47'52" ♎	-19°26'11"	00°00'00"	00°01'02"	0.002
13/07/2031 00:00:00	♁	02°16'55" ♏	20°25'43"	-02°59'08"	01°06'39"	0.003
13/07/2031 00:00:00	X	27°06'43" ♏	01°37'39"	-09°26'00"	00°00'06"	95.127
13/07/2031 00:00:00	Y	05°30'39" ♏	09°44'56"	-11°38'27"	00°00'37"	82.371
14/07/2031 00:00:00	♁	21°24'11" ♏	21°43'54"	00°00'00"	00°57'13"	1.017
14/07/2031 00:00:00	♁	20°26'22" ♏	18°24'15"	00°34'14"	12°10'57"	0.003
14/07/2031 00:00:00	♁	17°55'37" ♏	15°09'58"	-00°18'11"	01°00'56"	0.866
14/07/2031 00:00:00	♀	25°35'51" ♏	11°15'41"	-01°49'46"	00°14'26"	0.391
14/07/2031 00:00:00	♂	09°58'48" ♎	-16°28'41"	-01°45'51"	00°20'07"	0.795
14/07/2031 00:00:00	♃	20°47'04" ♏	-22°43'27"	00°23'24"	-00°05'38"	4.370

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14/07/2031 00:00:00	♃	17°30'03" ♀	21°23'11"	-01°27'58"	00°06'56"	9.866
14/07/2031 00:00:00	♃	24°44'00" ♀	23°26'48" ○	00°07'05"	00°03'16"	20.019
14/07/2031 00:00:00	♃	15°37'08" ♂	04°42'23"	-01°33'35"	00°00'10"	29.730
14/07/2031 00:00:00	♃	12°56'26" ♃	-23°17'38"	-06°39'06"	-00°01'15"	35.899
14/07/2031 00:00:00	♃	26°48'46" ♃	-19°26'23"	00°00'00"	00°00'36"	0.002
14/07/2031 00:00:00	♃	20°29'13" ♂	15°52'54"	-02°03'30"	00°02'22"	17.130
14/07/2031 00:00:00	♃	16°13'19" ♃	18°28'22"	-04°00'13"	00°06'41"	0.003
14/07/2031 00:00:00	T♃	26°48'46" ♃	-19°26'23"	00°00'00"	00°00'36"	0.002
14/07/2031 00:00:00	T♃	03°46'02" ♃	20°17'35"	-03°05'17"	01°49'12"	0.003
14/07/2031 00:00:00	X	27°06'50" ♂	01°37'37"	-09°26'04"	00°00'06"	95.110
14/07/2031 00:00:00	Y	05°31'16" ♀	09°44'56"	-11°38'32"	00°00'36"	82.358
15/07/2031 00:00:00	♃	22°21'25" ♃	21°34'46"	00°00'00"	00°57'14"	1.017
15/07/2031 00:00:00	♃	02°31'32" ♀	20°09'35"	-00°30'38"	12°00'05"	0.003
15/07/2031 00:00:00	♃	18°55'05" ♃	14°40'33"	-00°29'52"	00°57'57"	0.851
15/07/2031 00:00:00	♃	25°49'17" ♃	10°59'56"	-02°01'42"	00°12'26"	0.385
15/07/2031 00:00:00	♃	10°19'10" ♃	-16°35'57"	-01°46'42"	00°20'37"	0.801
15/07/2031 00:00:00	♃	20°41'29" ♂	-22°43'14"	00°23'14"	-00°05'30"	4.378
15/07/2031 00:00:00	♃	17°36'58" ♀	21°23'48"	-01°27'59"	00°06'53"	9.857
15/07/2031 00:00:00	♃	24°47'16" ♀	23°26'56" ○	00°07'05"	00°03'15"	20.011

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15/07/2031 00:00:00	♁	15°37'17"	♄	04°42'24"	-01°33'39"	00°00'08"	29.713
15/07/2031 00:00:00	♁	12°55'10"	♁	-23°18'08"	-06°39'14"	-00°01'15"	35.894
15/07/2031 00:00:00	♁	26°48'46"	♄	-19°26'23"	00°00'00"	-00°00'43"	0.002
15/07/2031 00:00:00	♁	20°31'34"	♄	15°53'20"	-02°03'41"	00°02'19"	17.115
15/07/2031 00:00:00	♁	16°20'00"	♁	18°27'02"	-04°00'47"	00°06'41"	0.003
15/07/2031 00:00:00	T♁	26°48'46"	♄	-19°26'23"	00°00'00"	-00°00'43"	0.002
15/07/2031 00:00:00	T♁	05°50'34"	♁	20°04'45"	-03°13'42"	02°17'31"	0.003
15/07/2031 00:00:00	X	27°06'56"	♄	01°37'36"	-09°26'08"	00°00'05"	95.093
15/07/2031 00:00:00	Y	05°31'53"	♁	09°44'57"	-11°38'38"	00°00'36"	82.345
16/07/2031 00:00:00	♁	23°18'40"	♁	21°25'16"	00°00'00"	00°57'14"	1.016
16/07/2031 00:00:00	♁	14°27'53"	♁	20°59'06"	-01°33'16"	11°53'13"	0.003
16/07/2031 00:00:00	♁	19°51'30"	♁	14°11'34"	-00°41'52"	00°54'51"	0.836
16/07/2031 00:00:00	♁	26°00'42"	♁	10°44'37"	-02°13'54"	00°10'23"	0.379
16/07/2031 00:00:00	♁	10°40'02"	♄	-16°43'19"	-01°47'32"	00°21'06"	0.807
16/07/2031 00:00:00	♁	20°36'03"	♄	-22°43'01"	00°23'03"	-00°05'22"	4.386
16/07/2031 00:00:00	♁	17°43'50"	♁	21°24'25"	-01°28'00"	00°06'50"	9.847
16/07/2031 00:00:00	♁	24°50'31"	♁	23°27'05"	00°07'06"	00°03'14"	20.003
16/07/2031 00:00:00	♁	15°37'25"	♄	04°42'24"	-01°33'42"	00°00'06"	29.697
16/07/2031 00:00:00	♁	12°53'54"	♁	-23°18'38"	-06°39'22"	-00°01'16"	35.889

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16/07/2031 00:00:00	♏	26°47'04" ♃	-19°26'00"	00°00'00"	-00°02'46"	0.002
16/07/2031 00:00:00	♋	20°33'52" ♃	15°53'45"	-02°03'52"	00°02'16"	17.099
16/07/2031 00:00:00	♌	16°26'42" ♃	18°25'41"	-04°01'20"	00°06'41"	0.003
16/07/2031 00:00:00	♏	26°47'04" ♃	-19°26'00"	00°00'00"	-00°02'46"	0.002
16/07/2031 00:00:00	♌	08°16'49" ♃	19°47'34"	-03°23'18"	02°33'07"	0.003
16/07/2031 00:00:00	X	27°07'01" ♃	01°37'34"	-09°26'12"	00°00'05"	95.076
16/07/2031 00:00:00	Y	05°32'29" ♃	09°44'57"	-11°38'44"	00°00'35"	82.333
17/07/2031 00:00:00	♏	24°15'55" ♃	21°15'24"	-00°00'00"	00°57'15"	1.016
17/07/2031 00:00:00	♎	26°19'07" ♃	20°51'45"	-02°31'14"	11°49'45"	0.003
17/07/2031 00:00:00	♌	20°44'45" ♃	13°43'06"	-00°54'10"	00°51'37"	0.821
17/07/2031 00:00:00	♌	26°10'02" ♃	10°29'46"	-02°26'20"	00°08'16"	0.373
17/07/2031 00:00:00	♌	11°01'23" ♃	-16°50'46"	-01°48'20"	00°21'35"	0.813
17/07/2031 00:00:00	♌	20°30'45" ♃	-22°42'49"	00°22'53"	-00°05'13"	4.394
17/07/2031 00:00:00	♌	17°50'40" ♃	21°25'01"	-01°28'01"	00°06'48"	9.837
17/07/2031 00:00:00	♌	24°53'45" ♃	23°27'13" ♁	00°07'07"	00°03'12"	19.994
17/07/2031 00:00:00	♌	15°37'30" ♃	04°42'22"	-01°33'46"	00°00'04"	29.680
17/07/2031 00:00:00	♌	12°52'38" ♃	-23°19'09"	-06°39'31"	-00°01'16"	35.884
17/07/2031 00:00:00	♏	26°43'06" ♃	-19°25'05"	00°00'00"	-00°05'12"	0.002
17/07/2031 00:00:00	♋	20°36'07" ♃	15°54'10"	-02°04'04"	00°02'13"	17.082

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17/07/2031 00:00:00	☾	16°33'24" ♉	18°24'21"	-04°01'53"	00°06'41"	0.003
17/07/2031 00:00:00	♁	26°43'06" ♎	-19°25'05"	00°00'00"	-00°05'12"	0.002
17/07/2031 00:00:00	♁	10°53'54" ♉	19°26'37"	-03°33'15"	02°40'03"	0.003
17/07/2031 00:00:00	X	27°07'06" ♀	01°37'32"	-09°26'16"	00°00'04"	95.059
17/07/2031 00:00:00	Y	05°33'05" ♀	09°44'56"	-11°38'50"	00°00'35"	82.320
18/07/2031 00:00:00	☉	25°13'10" ♉	21°05'11"	-00°00'00"	00°57'15"	1.016
18/07/2031 00:00:00	☾	08°08'19" ♉	19°49'01"	-03°22'22"	11°49'03"	0.003
18/07/2031 00:00:00	♁	21°34'43" ♎	13°15'16"	-01°06'44"	00°48'16"	0.806
18/07/2031 00:00:00	♀	26°17'14" ♎	10°15'25"	-02°39'00"	00°06'06"	0.367
18/07/2031 00:00:00	♂	11°23'12" ♎	-16°58'20"	-01°49'06"	00°22'03"	0.819
18/07/2031 00:00:00	♃	20°25'35" ♉	-22°42'38"	00°22'42"	-00°05'05"	4.403
18/07/2031 00:00:00	♃	17°57'27" ♀	21°25'36"	-01°28'02"	00°06'45"	9.827
18/07/2031 00:00:00	♃	24°56'57" ♀	23°27'21" ☉	00°07'07"	00°03'11"	19.986
18/07/2031 00:00:00	♃	15°37'34" ♀	04°42'21"	-01°33'49"	00°00'02"	29.663
18/07/2031 00:00:00	♃	12°51'21" ♉	-23°19'39"	-06°39'39"	-00°01'17"	35.880
18/07/2031 00:00:00	♁	26°36'40" ♎	-19°23'35"	00°00'00"	-00°07'39"	0.002
18/07/2031 00:00:00	♃	20°38'19" ♉	15°54'33"	-02°04'15"	00°02'10"	17.066
18/07/2031 00:00:00	☾	16°40'05" ♉	18°23'00"	-04°02'26"	00°06'41"	0.003
18/07/2031 00:00:00	♁	26°36'40" ♎	-19°23'35"	00°00'00"	-00°07'39"	0.002

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18/07/2031 00:00:00	T♄	13°36'00" ♉	19°02'19"	-03°43'08"	02°44'10"	0.003
18/07/2031 00:00:00	X	27°07'10" ♀	01°37'30"	-09°26'20"	00°00'03"	95.042
18/07/2031 00:00:00	Y	05°33'40" ♀	09°44'56"	-11°38'57"	00°00'34"	82.306
19/07/2031 00:00:00	☉	26°10'26" ♉	20°54'36"	-00°00'00"	00°57'16"	1.016
19/07/2031 00:00:00	☾	19°57'56" ♉	17°54'50"	-04°04'40"	11°50'30"	0.003
19/07/2031 00:00:00	♁	22°21'16" ♋	12°48'10"	-01°19'33"	00°44'47"	0.792
19/07/2031 00:00:00	♂	26°22'15" ♋	10°01'36"	-02°51'53"	00°03'53"	0.361
19/07/2031 00:00:00	♂	11°45'30" ♋	-17°05'59"	-01°49'51"	00°22'31"	0.824
19/07/2031 00:00:00	♃	20°20'34" ♌	-22°42'26"	00°22'32"	-00°04'56"	4.411
19/07/2031 00:00:00	♄	18°04'11" ♀	21°26'11"	-01°28'03"	00°06'42"	9.817
19/07/2031 00:00:00	♅	25°00'08" ♀	23°27'29"	00°07'08"	00°03'10"	19.977
19/07/2031 00:00:00	♆	15°37'35" ♀	04°42'18"	-01°33'53"	00°00'00"	29.647
19/07/2031 00:00:00	♇	12°50'03" ♁	-23°20'09"	-06°39'46"	-00°01'17"	35.875
19/07/2031 00:00:00	♈	26°27'55" ♋	-19°21'33"	00°00'00"	-00°09'45"	0.003
19/07/2031 00:00:00	♉	20°40'29" ♌	15°54'56"	-02°04'27"	00°02'07"	17.050
19/07/2031 00:00:00	♊	16°46'47" ♉	18°21'39"	-04°02'59"	00°06'41"	0.003
19/07/2031 00:00:00	T♈	26°27'55" ♋	-19°21'33"	00°00'00"	-00°09'45"	0.003
19/07/2031 00:00:00	T♄	16°23'15" ♉	18°34'27"	-03°52'56"	02°51'09"	0.003
19/07/2031 00:00:00	X	27°07'13" ♀	01°37'27"	-09°26'24"	00°00'03"	95.025

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19/07/2031 00:00:00	Y	05°34'14" ♀	09°44'55"	-11°39'03"	00°00'34"	82.293
20/07/2031 00:00:00	☉	27°07'43" ♄	20°43'41"	-00°00'00"	00°57'16"	1.016
20/07/2031 00:00:00	☾	01°49'54" ♃	15°15'11"	-04°36'25"	11°53'41"	0.003
20/07/2031 00:00:00	♀	23°04'16" ♃	12°21'54"	-01°32'35"	00°41'10"	0.777
20/07/2031 00:00:00	♀	26°25'01" ♃	09°48'21"	-03°04'58"	00°01'38"	0.356
20/07/2031 00:00:00	♂	12°08'15" ♃	-17°13'43"	-01°50'35"	00°22'58"	0.830
20/07/2031 00:00:00	♃	20°15'43" ♃	-22°42'16"	00°22'21"	-00°04'47"	4.420
20/07/2031 00:00:00	♃	18°10'52" ♀	21°26'44"	-01°28'04"	00°06'39"	9.807
20/07/2031 00:00:00	♃	25°03'18" ♀	23°27'37"	00°07'09"	00°03'08"	19.968
20/07/2031 00:00:00	♃	15°37'35" ♃	04°42'15"	-01°33'56"	-00°00'01"	29.630
20/07/2031 00:00:00	♃	12°48'45" ♃	-23°20'39"	-06°39'54"	-00°01'18"	35.872
20/07/2031 00:00:00	♃	26°17'23" ♃	-19°19'06"	00°00'00"	-00°11'09"	0.003
20/07/2031 00:00:00	♃	20°42'35" ♃	15°55'18"	-02°04'38"	00°02'05"	17.033
20/07/2031 00:00:00	♃	16°53'29" ♄	18°20'18"	-04°03'31"	00°06'41"	0.003
20/07/2031 00:00:00	T♃	26°17'23" ♃	-19°19'06"	00°00'00"	-00°11'09"	0.003
20/07/2031 00:00:00	T♃	19°20'08" ♄	18°02'00"	-04°02'47"	03°03'23"	0.003
20/07/2031 00:00:00	X	27°07'16" ♃	01°37'24"	-09°26'28"	00°00'02"	95.008
20/07/2031 00:00:00	Y	05°34'48" ♀	09°44'55"	-11°39'09"	00°00'33"	82.279
21/07/2031 00:00:00	☉	28°05'00" ♄	20°32'24"	-00°00'00"	00°57'17"	1.016

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21/07/2031 00:00:00	♃	13°45'48" ♁	11°57'24"	-04°56'14"	11°58'21"	0.003
21/07/2031 00:00:00	♆	23°43'33" ♁	11°56'36"	-01°45'47"	00°37'23"	0.763
21/07/2031 00:00:00	♀	26°25'31" ♁r	09°35'41"	-03°18'14"	-00°00'39"	0.351
21/07/2031 00:00:00	♂	12°31'27" ♃	-17°21'32"	-01°51'18"	00°23'25"	0.836
21/07/2031 00:00:00	♂	20°11'00" ♁r	-22°42'06"	00°22'11"	-00°04'37"	4.429
21/07/2031 00:00:00	♃	18°17'30" ♀	21°27'18"	-01°28'06"	00°06'36"	9.797
21/07/2031 00:00:00	♃	25°06'26" ♀	23°27'45" ○	00°07'10"	00°03'07"	19.959
21/07/2031 00:00:00	♃	15°37'32" ♁r	04°42'10"	-01°34'00"	-00°00'03"	29.614
21/07/2031 00:00:00	♃	12°47'26" ♁r	-23°21'09"	-06°40'01"	-00°01'18"	35.868
21/07/2031 00:00:00	♁	26°05'55" ♃r	-19°16'25"	00°00'00"	-00°11'36"	0.003
21/07/2031 00:00:00	♃	20°44'39" ♁	15°55'39"	-02°04'50"	00°02'02"	17.017
21/07/2031 00:00:00	♃	17°00'10" ♁	18°18'57"	-04°04'04"	00°06'41"	0.003
21/07/2031 00:00:00	T♁	26°05'55" ♃r	-19°16'25"	00°00'00"	-00°11'36"	0.003
21/07/2031 00:00:00	T♃	22°30'52" ♁	17°23'45"	-04°12'47"	03°17'56"	0.003
21/07/2031 00:00:00	X	27°07'18" ♁	01°37'21"	-09°26'32"	00°00'01"	94.991
21/07/2031 00:00:00	Y	05°35'22" ♀	09°44'54"	-11°39'16"	00°00'33"	82.266
22/07/2031 00:00:00	♁	29°02'17" ♁	20°20'46"	-00°00'00"	00°57'17"	1.016
22/07/2031 00:00:00	♃	25°47'07" ♁	08°09'39"	-05°03'06"	12°04'31"	0.003
22/07/2031 00:00:00	♆	24°18'59" ♁	11°32'22"	-01°59'08"	00°33'26"	0.750

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22/07/2031 00:00:00	♀	26°23'41" ♏r	09°23'40"	-03°31'40"	-00°02'59"	0.345
22/07/2031 00:00:00	♂	12°55'05" ♎	-17°29'25"	-01°51'59"	00°23'51"	0.842
22/07/2031 00:00:00	♃	20°06'27" ♏r	-22°41'56"	00°22'00"	-00°04'28"	4.439
22/07/2031 00:00:00	♅	18°24'05" ♀	21°27'50"	-01°28'08"	00°06'33"	9.786
22/07/2031 00:00:00	♁	25°09'32" ♀	23°27'52" ○	00°07'10"	00°03'05"	19.949
22/07/2031 00:00:00	♃	15°37'28" ♏r	04°42'06"	-01°34'03"	-00°00'05"	29.597
22/07/2031 00:00:00	♁	12°46'07" ♁	-23°21'39"	-06°40'09"	-00°01'19"	35.865
22/07/2031 00:00:00	♁	25°54'31" ♎r	-19°13'43"	00°00'00"	-00°11'02"	0.003
22/07/2031 00:00:00	♃	20°46'39" ♏	15°55'59"	-02°05'02"	00°01'58"	17.000
22/07/2031 00:00:00	♁	17°06'52" ♁	18°17'35"	-04°04'37"	00°06'41"	0.003
22/07/2031 00:00:00	T♁	25°54'31" ♎r	-19°13'43"	00°00'00"	-00°11'02"	0.003
22/07/2031 00:00:00	T♁	25°54'28" ♁	16°39'24"	-04°22'39"	03°27'50"	0.003
22/07/2031 00:00:00	X	27°07'20" ♏	01°37'18"	-09°26'36"	00°00'01"	94.974
22/07/2031 00:00:00	Y	05°35'54" ♀	09°44'53"	-11°39'22"	00°00'32"	82.252
23/07/2031 00:00:00	♁	29°59'35" ♁	20°08'49"	-00°00'00"	00°57'17"	1.016
23/07/2031 00:00:00	♃	07°55'26" ♎	04°00'29"	-04°56'23"	12°12'25"	0.003
23/07/2031 00:00:00	♃	24°50'24" ♏	11°09'19"	-02°12'33"	00°29'20"	0.736
23/07/2031 00:00:00	♀	26°19'30" ♏r	09°12'17"	-03°45'13"	-00°05'21"	0.340
23/07/2031 00:00:00	♂	13°19'10" ♎	-17°37'23"	-01°52'39"	00°24'17"	0.848

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23/07/2031 00:00:00	♃	20°02'03" ♏	-22°41'47"	00°21'50"	-00°04'18"	4.448
23/07/2031 00:00:00	♅	18°30'37" ♏	21°28'22"	-01°28'09"	00°06'30"	9.775
23/07/2031 00:00:00	♅	25°12'38" ♏	23°28'00"	♁ 00°07'11"	00°03'04"	19.940
23/07/2031 00:00:00	♅	15°37'21" ♏	04°42'00"	-01°34'07"	-00°00'07"	29.581
23/07/2031 00:00:00	♁	12°44'48" ♏	-23°22'09"	-06°40'16"	-00°01'19"	35.862
23/07/2031 00:00:00	♁	25°44'10" ♏	-19°11'16"	00°00'00"	-00°09'30"	0.003
23/07/2031 00:00:00	♅	20°48'37" ♏	15°56'19"	-02°05'14"	00°01'55"	16.983
23/07/2031 00:00:00	♁	17°13'34" ♏	18°16'14"	-04°05'09"	00°06'41"	0.003
23/07/2031 00:00:00	♁	25°44'10" ♏	-19°11'16"	00°00'00"	-00°09'30"	0.003
23/07/2031 00:00:00	♁	29°22'33" ♏	15°50'34"	-04°31'48"	03°25'49"	0.003
23/07/2031 00:00:00	X	27°07'21" ♏	01°37'15"	-09°26'40"	00°00'00"	94.957
23/07/2031 00:00:00	Y	05°36'27" ♏	09°44'51"	-11°39'29"	00°00'31"	82.238
24/07/2031 00:00:00	♁	00°56'53" ♏	19°56'31"	-00°00'00"	00°57'18"	1.016
24/07/2031 00:00:00	♁	20°12'40" ♏	-00°21'15"	-04°35'59"	12°22'26"	0.003
24/07/2031 00:00:00	♁	25°17'37" ♏	10°47'35"	-02°26'01"	00°25'04"	0.723
24/07/2031 00:00:00	♁	26°12'57" ♏	09°01'37"	-03°58'52"	-00°07'45"	0.335
24/07/2031 00:00:00	♁	13°43'39" ♏	-17°45'24"	-01°53'18"	00°24'42"	0.854
24/07/2031 00:00:00	♃	19°57'49" ♏	-22°41'38"	00°21'39"	-00°04'09"	4.458
24/07/2031 00:00:00	♅	18°37'06" ♏	21°28'53"	-01°28'11"	00°06'27"	9.764

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24/07/2031 00:00:00	♃	25°15'41" ♀	23°28'07" ♁	00°07'12"	00°03'02"	19.930
24/07/2031 00:00:00	♅	15°37'13" ♂	04°41'53"	-01°34'10"	-00°00'09"	29.565
24/07/2031 00:00:00	♆	12°43'28" ♁	-23°22'39"	-06°40'22"	-00°01'20"	35.859
24/07/2031 00:00:00	♁	25°35'43" ♃	-19°09'16"	00°00'00"	-00°07'16"	0.002
24/07/2031 00:00:00	♂	20°50'31" ♂	15°56'37"	-02°05'26"	00°01'52"	16.966
24/07/2031 00:00:00	♄	17°20'15" ♁	18°14'52"	-04°05'41"	00°06'41"	0.003
24/07/2031 00:00:00	♁	25°35'43" ♃	-19°09'16"	00°00'00"	-00°07'16"	0.002
24/07/2031 00:00:00	♄	02°40'26" ♁	15°01'02"	-04°39'35"	03°06'52"	0.003
24/07/2031 00:00:00	X	27°07'21" ♂	01°37'11"	-09°26'44"	-00°00'00"	94.941
24/07/2031 00:00:00	Y	05°36'58" ♀	09°44'50"	-11°39'36"	00°00'31"	82.224
25/07/2031 00:00:00	♁	01°54'11" ♁	19°43'53"	-00°00'00"	00°57'18"	1.016
25/07/2031 00:00:00	♃	02°41'12" ♀	-04°46'18"	-04°02'12"	12°35'05"	0.003
25/07/2031 00:00:00	♄	25°40'30" ♁	10°27'17"	-02°39'28"	00°20'38"	0.710
25/07/2031 00:00:00	♂	26°04'00" ♃	08°51'40"	-04°12'36"	-00°10'08"	0.331
25/07/2031 00:00:00	♂	14°08'34" ♃	-17°53'30"	-01°53'55"	00°25'07"	0.859
25/07/2031 00:00:00	♃	19°53'45" ♂	-22°41'31"	00°21'29"	-00°03'59"	4.468
25/07/2031 00:00:00	♃	18°43'31" ♀	21°29'24"	-01°28'13"	00°06'23"	9.753
25/07/2031 00:00:00	♃	25°18'43" ♀	23°28'15" ♁	00°07'13"	00°03'01"	19.920
25/07/2031 00:00:00	♅	15°37'02" ♂	04°41'46"	-01°34'14"	-00°00'11"	29.549

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25/07/2031 00:00:00	♁	12°42'07" ♁	-23°23'09"	-06°40'29"	-00°01'20"	35.856
25/07/2031 00:00:00	♁	25°29'42" ♁	-19°07'50"	00°00'00"	-00°04'43"	0.002
25/07/2031 00:00:00	♁	20°52'22" ♁	15°56'55"	-02°05'37"	00°01'49"	16.950
25/07/2031 00:00:00	♁	17°26'57" ♁	18°13'30"	-04°06'13"	00°06'41"	0.003
25/07/2031 00:00:00	♁	25°29'42" ♁	-19°07'50"	00°00'00"	-00°04'43"	0.002
25/07/2031 00:00:00	♁	05°30'00" ♁	14°16'19"	-04°45'31"	02°29'06"	0.003
25/07/2031 00:00:00	X	27°07'20" ♁	01°37'07"	-09°26'48"	-00°00'00"	94.924
25/07/2031 00:00:00	Y	05°37'29" ♁	09°44'48"	-11°39'43"	00°00'30"	82.209
26/07/2031 00:00:00	♁	02°51'30" ♁	19°30'55"	-00°00'00"	00°57'18"	1.016
26/07/2031 00:00:00	♁	15°23'52" ♁	-09°04'19"	-03°15'53"	12°50'47"	0.003
26/07/2031 00:00:00	♁	25°58'52" ♁	10°08'34"	-02°52'49"	00°16'03"	0.698
26/07/2031 00:00:00	♁	25°52'39" ♁	08°42'28"	-04°26'21"	-00°12'32"	0.326
26/07/2031 00:00:00	♁	14°33'54" ♁	-18°01'38"	-01°54'31"	00°25'31"	0.865
26/07/2031 00:00:00	♁	19°49'50" ♁	-22°41'23"	00°21'18"	-00°03'49"	4.478
26/07/2031 00:00:00	♁	18°49'53" ♁	21°29'54"	-01°28'15"	00°06'20"	9.741
26/07/2031 00:00:00	♁	25°21'44" ♁	23°28'22" ♁	00°07'13"	00°02'59"	19.909
26/07/2031 00:00:00	♁	15°36'50" ♁	04°41'38"	-01°34'17"	-00°00'13"	29.533
26/07/2031 00:00:00	♁	12°40'47" ♁	-23°23'39"	-06°40'36"	-00°01'20"	35.854
26/07/2031 00:00:00	♁	25°26'13" ♁	-19°07'00"	00°00'00"	-00°02'18"	0.002

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26/07/2031 00:00:00	♄	20°54'11" ♄	15°57'11"	-02°05'49"	00°01'46"	16.932
26/07/2031 00:00:00	♁	17°33'39" ♁	18°12'08"	-04°06'45"	00°06'41"	0.003
26/07/2031 00:00:00	♁♄	25°26'13" ♄♁	-19°07'00"	00°00'00"	-00°02'18"	0.002
26/07/2031 00:00:00	♁♄	07°32'43" ♄♁	13°42'44"	-04°49'24"	01°33'40"	0.003
26/07/2031 00:00:00	X	27°07'19" ♄♁	01°37'03"	-09°26'52"	-00°00'01"	94.907
26/07/2031 00:00:00	Y	05°37'59" ♄♁	09°44'46"	-11°39'50"	00°00'30"	82.195
27/07/2031 00:00:00	♁	03°48'49" ♄♁	19°17'38"	-00°00'00"	00°57'19"	1.016
27/07/2031 00:00:00	♁	28°23'54" ♄♁	-13°03'28"	-02°18'28"	13°09'49"	0.003
27/07/2031 00:00:00	♁	26°12'33" ♄♁	09°51'33"	-03°06'01"	00°11'18"	0.686
27/07/2031 00:00:00	♁	25°38'55" ♄♁	08°34'03"	-04°40'06"	-00°14'55"	0.322
27/07/2031 00:00:00	♁	14°59'37" ♄♁	-18°09'50"	-01°55'06"	00°25'55"	0.871
27/07/2031 00:00:00	♁	19°46'06" ♄♁	-22°41'17"	00°21'08"	-00°03'39"	4.489
27/07/2031 00:00:00	♁	18°56'12" ♄♁	21°30'23"	-01°28'17"	00°06'17"	9.730
27/07/2031 00:00:00	♁	25°24'42" ♄♁	23°28'29" ♁	00°07'14"	00°02'58"	19.899
27/07/2031 00:00:00	♁	15°36'36" ♄♁	04°41'30"	-01°34'20"	-00°00'15"	29.517
27/07/2031 00:00:00	♁	12°39'26" ♄♁	-23°24'08"	-06°40'42"	-00°01'21"	35.852
27/07/2031 00:00:00	♁	25°24'53" ♄♁	-19°06'41"	00°00'00"	-00°00'29"	0.002
27/07/2031 00:00:00	♄	20°55'56" ♄	15°57'27"	-02°06'02"	00°01'43"	16.915
27/07/2031 00:00:00	♁	17°40'20" ♁	18°10'45"	-04°07'17"	00°06'41"	0.003

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27/07/2031 00:00:00	T♄	25°24'53" ♎	-19°06'41"	00°00'00"	-00°00'29"	0.002
27/07/2031 00:00:00	T♄	08°33'07" ♋	13°25'50"	-04°51'11"	00°25'40"	0.003
27/07/2031 00:00:00	X	27°07'18" ♏	01°36'58"	-09°26'56"	-00°00'01"	94.890
27/07/2031 00:00:00	Y	05°38'29" ♀	09°44'44"	-11°39'57"	00°00'29"	82.180
28/07/2031 00:00:00	☉	04°46'09" ♋	19°04'03"	00°00'00"	00°57'19"	1.016
28/07/2031 00:00:00	☾	11°44'33" ♎	-16°29'46"	-01°12'04"	13°31'57"	0.003
28/07/2031 00:00:00	☿	26°21'26" ♋	09°36'23"	-03°18'58"	00°06'25"	0.675
28/07/2031 00:00:00	♀	25°22'50" ♎	08°26'26"	-04°53'48"	-00°17'16"	0.318
28/07/2031 00:00:00	♂	15°25'44" ♎	-18°18'04"	-01°55'40"	00°26'18"	0.877
28/07/2031 00:00:00	♃	19°42'32" ♏	-22°41'11"	00°20'57"	-00°03'28"	4.499
28/07/2031 00:00:00	♅	19°02'28" ♀	21°30'51"	-01°28'19"	00°06'13"	9.718
28/07/2031 00:00:00	♁	25°27'40" ♀	23°28'35"	00°07'15"	00°02'56"	19.888
28/07/2031 00:00:00	♆	15°36'20" ♏	04°41'21"	-01°34'24"	-00°00'17"	29.501
28/07/2031 00:00:00	♁	12°38'05" ♏	-23°24'38"	-06°40'48"	-00°01'21"	35.851
28/07/2031 00:00:00	♁	25°24'54" ♎	-19°06'41"	00°00'00"	00°00'20"	0.002
28/07/2031 00:00:00	♃	20°57'38" ♏	15°57'42"	-02°06'14"	00°01'40"	16.898
28/07/2031 00:00:00	♁	17°47'02" ♎	18°09'23"	-04°07'49"	00°06'41"	0.003
28/07/2031 00:00:00	T♄	25°24'54" ♎	-19°06'41"	00°00'00"	00°00'20"	0.002
28/07/2031 00:00:00	T♄	08°23'20" ♋	13°28'34"	-04°50'55"	-00°44'24"	0.003

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28/07/2031 00:00:00	X	27°07'15" ♄r	01°36'54"	-09°27'00"	-00°00'02"	94.873
28/07/2031 00:00:00	Y	05°38'58" ♀	09°44'42"	-11°40'04"	00°00'28"	82.165
29/07/2031 00:00:00	☉	05°43'29" ♃	18°50'08"	00°00'00"	00°57'20"	1.015
29/07/2031 00:00:00	☾	25°28'36" ♃	-19°07'17"	00°00'18"	13°56'24"	0.002
29/07/2031 00:00:00	♀	26°25'22" ♃	09°23'10"	-03°31'35"	00°01'25"	0.664
29/07/2031 00:00:00	♀	25°04'24" ♃r	08°19'40"	-05°07'25"	-00°19'34"	0.314
29/07/2031 00:00:00	♂	15°52'13" ♃	-18°26'21"	-01°56'13"	00°26'40"	0.883
29/07/2031 00:00:00	♃	19°39'08" ♃r	-22°41'06"	00°20'46"	-00°03'18"	4.510
29/07/2031 00:00:00	♃	19°08'40" ♀	21°31'19"	-01°28'21"	00°06'10"	9.706
29/07/2031 00:00:00	♃	25°30'35" ♀	23°28'42" o	00°07'16"	00°02'54"	19.877
29/07/2031 00:00:00	♃	15°36'02" ♄r	04°41'11"	-01°34'27"	-00°00'18"	29.485
29/07/2031 00:00:00	♃	12°36'44" ♃r	-23°25'07"	-06°40'54"	-00°01'21"	35.849
29/07/2031 00:00:00	♃	25°25'10" ♃r	-19°06'45"	00°00'00"	-00°00'00"	0.002
29/07/2031 00:00:00	♃	20°59'17" ♃	15°57'56"	-02°06'26"	00°01'37"	16.881
29/07/2031 00:00:00	♃	17°53'44" ♃	18°08'00"	-04°08'21"	00°06'41"	0.003
29/07/2031 00:00:00	T♃	25°25'10" ♃r	-19°06'45"	00°00'00"	-00°00'00"	0.002
29/07/2031 00:00:00	T♃	07°08'39" ♃r	13°49'22"	-04°48'42"	-01°41'25"	0.003
29/07/2031 00:00:00	X	27°07'13" ♄r	01°36'49"	-09°27'04"	-00°00'03"	94.856
29/07/2031 00:00:00	Y	05°39'27" ♀	09°44'39"	-11°40'11"	00°00'28"	82.150

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30/07/2031 00:00:00	♁	06°40'49" ♁	18°35'55"	00°00'00"	00°57'20"	1.015
30/07/2031 00:00:00	♃	09°37'36" ♀	-20°39'25"	01°14'44"	14°21'29"	0.002
30/07/2031 00:00:00	♁	26°24'16" ♁	09°12'04"	-03°43'46"	-00°03'39"	0.654
30/07/2031 00:00:00	♁	24°43'41" ♁	08°13'44"	-05°20'52"	-00°21'49"	0.311
30/07/2031 00:00:00	♁	16°19'06" ♁	-18°34'39"	-01°56'45"	00°27'03"	0.889
30/07/2031 00:00:00	♁	19°35'55" ♁	-22°41'01"	00°20'36"	-00°03'08"	4.521
30/07/2031 00:00:00	♁	19°14'49" ♁	21°31'46"	-01°28'24"	00°06'06"	9.694
30/07/2031 00:00:00	♁	25°33'29" ♁	23°28'49"	00°07'17"	00°02'53"	19.866
30/07/2031 00:00:00	♁	15°35'42" ♁	04°41'00"	-01°34'30"	-00°00'20"	29.469
30/07/2031 00:00:00	♁	12°35'22" ♁	-23°25'36"	-06°40'59"	-00°01'21"	35.848
30/07/2031 00:00:00	♁	25°24'31" ♁	-19°06'36"	00°00'00"	-00°01'27"	0.002
30/07/2031 00:00:00	♁	21°00'52" ♁	15°58'09"	-02°06'38"	00°01'34"	16.863
30/07/2031 00:00:00	♁	18°00'26" ♁	18°06'37"	-04°08'52"	00°06'41"	0.003
30/07/2031 00:00:00	♁	25°24'31" ♁	-19°06'36"	00°00'00"	-00°01'27"	0.002
30/07/2031 00:00:00	♁	05°09'29" ♁	14°21'49"	-04°44'51"	-02°11'48"	0.003
30/07/2031 00:00:00	X	27°07'09" ♁	01°36'44"	-09°27'08"	-00°00'03"	94.840
30/07/2031 00:00:00	Y	05°39'55" ♁	09°44'37"	-11°40'18"	00°00'27"	82.135
31/07/2031 00:00:00	♁	07°38'10" ♁	18°21'23"	00°00'00"	00°57'21"	1.015
31/07/2031 00:00:00	♃	24°10'59" ♀	-20°52'09"	02°26'19"	14°44'42"	0.002

Ephemerides year 2031

31/07/2031 00:00:00	♀	26°18'03" ♀r	09°03'11"	-03°55'24"	-00°08'47"	0.645
31/07/2031 00:00:00	♀	24°20'46" ♀r	08°08'40"	-05°34'08"	-00°23'59"	0.307
31/07/2031 00:00:00	♂	16°46'20" ♀r	-18°43'00"	-01°57'15"	00°27'24"	0.895
31/07/2031 00:00:00	♂	19°32'52" ♂r	-22°40'57"	00°20'25"	-00°02'57"	4.532
31/07/2031 00:00:00	♂	19°20'54" ♀r	21°32'13"	-01°28'26"	00°06'03"	9.682
31/07/2031 00:00:00	♂	25°36'21" ♀r	23°28'55" o	00°07'17"	00°02'51"	19.854
31/07/2031 00:00:00	♂	15°35'20" ♀r	04°40'48"	-01°34'34"	-00°00'22"	29.454
31/07/2031 00:00:00	♂	12°34'00" ♀r	-23°26'05" o	-06°41'05"	-00°01'21"	35.848
31/07/2031 00:00:00	♂	25°21'57" ♀r	-19°05'59"	00°00'00"	-00°03'45"	0.002
31/07/2031 00:00:00	♂	21°02'25" ♂r	15°58'21"	-02°06'50"	00°01'31"	16.846
31/07/2031 00:00:00	♂	18°07'07" ♂r	18°05'14"	-04°09'24"	00°06'41"	0.003
31/07/2031 00:00:00	T♂	25°21'57" ♀r	-19°05'59"	00°00'00"	-00°03'45"	0.002
31/07/2031 00:00:00	T♂	02°54'51" ♀r	14°57'19"	-04°40'06"	-02°13'17"	0.003
31/07/2031 00:00:00	X	27°07'05" ♀r	01°36'39"	-09°27'12"	-00°00'04"	94.823
31/07/2031 00:00:00	Y	05°40'22" ♀r	09°44'34"	-11°40'25"	00°00'27"	82.120
01/08/2031 00:00:00	♂	08°35'32" ♀r	18°06'34"	00°00'00"	00°57'21"	1.015
01/08/2031 00:00:00	♂	09°05'20" ♂r	-19°38'12"	03°29'35"	15°02'52"	0.002
01/08/2031 00:00:00	♀	26°06'41" ♀r	08°56'38"	-04°06'22"	-00°13'55"	0.636
01/08/2031 00:00:00	♀	23°55'44" ♀r	08°04'28"	-05°47'08"	-00°26'03"	0.304

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01/08/2031 00:00:00	♂	17°13'55" ♍	-18°51'22"	-01°57'45"	00°27'45"	0.901
01/08/2031 00:00:00	♃	19°30'00" ♏r	-22°40'55"	00°20'15"	-00°02'47"	4.544
01/08/2031 00:00:00	♅	19°26'55" ♁	21°32'39"	-01°28'29"	00°05'59"	9.670
01/08/2031 00:00:00	♁	25°39'11" ♁	23°29'02" ○	00°07'18"	00°02'49"	19.843
01/08/2031 00:00:00	♃	15°34'57" ♏r	04°40'36"	-01°34'37"	-00°00'24"	29.438
01/08/2031 00:00:00	♁	12°32'39" ♁r	-23°26'34" ○	-06°41'10"	-00°01'21"	35.847
01/08/2031 00:00:00	♁	25°16'53" ♍r	-19°04'46"	00°00'00"	-00°06'22"	0.002
01/08/2031 00:00:00	♃	21°03'55" ♏	15°58'32"	-02°07'03"	00°01'27"	16.828
01/08/2031 00:00:00	♁	18°13'49" ♁	18°03'51"	-04°09'55"	00°06'41"	0.003
01/08/2031 00:00:00	T♁	25°16'53" ♍r	-19°04'46"	00°00'00"	-00°06'22"	0.002
01/08/2031 00:00:00	T♁	00°48'35" ♏r	15°29'21"	-04°35'19"	-01°57'54"	0.003
01/08/2031 00:00:00	X	27°07'00" ♏r	01°36'34"	-09°27'16"	-00°00'04"	94.806
01/08/2031 00:00:00	Y	05°40'49" ♁	09°44'31"	-11°40'33"	00°00'26"	82.104
02/08/2031 00:00:00	♁	09°32'54" ♏	17°51'27"	00°00'00"	00°57'22"	1.015
02/08/2031 00:00:00	♃	24°14'00" ♏	-17°00'32"	04°19'07"	15°12'53"	0.002
02/08/2031 00:00:00	♁	25°50'12" ♏r	08°52'32"	-04°16'33"	-00°19'00"	0.628
02/08/2031 00:00:00	♀	23°28'41" ♏r	08°01'10"	-05°59'50"	-00°28'00"	0.302
02/08/2031 00:00:00	♂	17°41'51" ♍	-18°59'46"	-01°58'13"	00°28'06"	0.907
02/08/2031 00:00:00	♃	19°27'18" ♏r	-22°40'52"	00°20'04"	-00°02'36"	4.555

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02/08/2031 00:00:00	♃	19°32'53" ♀	21°33'04"	-01°28'31"	00°05'55"	9.657
02/08/2031 00:00:00	♃	25°42'00" ♀	23°29'08" ♀	00°07'19"	00°02'47"	19.831
02/08/2031 00:00:00	♃	15°34'31" ♀	04°40'24"	-01°34'40"	-00°00'26"	29.423
02/08/2031 00:00:00	♃	12°31'17" ♀	-23°27'03" ♀	-06°41'15"	-00°01'21"	35.847
02/08/2031 00:00:00	♃	25°09'17" ♀	-19°02'57"	00°00'00"	-00°08'42"	0.002
02/08/2031 00:00:00	♃	21°05'21" ♀	15°58'43"	-02°07'15"	00°01'24"	16.811
02/08/2031 00:00:00	♃	18°20'31" ♀	18°02'27"	-04°10'26"	00°06'41"	0.003
02/08/2031 00:00:00	♃	25°09'17" ♀	-19°02'57"	00°00'00"	-00°08'42"	0.002
02/08/2031 00:00:00	♃	28°58'38" ♀	15°56'09"	-04°31'01"	-01°43'34"	0.003
02/08/2031 00:00:00	X	27°06'55" ♀	01°36'28"	-09°27'20"	-00°00'05"	94.790
02/08/2031 00:00:00	Y	05°41'15" ♀	09°44'28"	-11°40'40"	00°00'25"	82.089
03/08/2031 00:00:00	♃	10°30'17" ♀	17°36'03"	00°00'00"	00°57'23"	1.015
03/08/2031 00:00:00	♃	09°27'37" ♀	-13°12'30"	04°50'31"	15°12'30"	0.002
03/08/2031 00:00:00	♃	25°28'42" ♀	08°50'57"	-04°25'47"	-00°23'58"	0.621
03/08/2031 00:00:00	♃	22°59'46" ♀	07°58'45"	-06°12'10"	-00°29'49"	0.299
03/08/2031 00:00:00	♃	18°10'08" ♀	-19°08'10"	-01°58'41"	00°28'26"	0.912
03/08/2031 00:00:00	♃	19°24'47" ♀	-22°40'51"	00°19'53"	-00°02'25"	4.567
03/08/2031 00:00:00	♃	19°38'47" ♀	21°33'29"	-01°28'34"	00°05'52"	9.644
03/08/2031 00:00:00	♃	25°44'47" ♀	23°29'14" ♀	00°07'20"	00°02'45"	19.819

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03/08/2031 00:00:00	♁	15°34'04" ♏	04°40'10"	-01°34'44"	-00°00'28"	29.407
03/08/2031 00:00:00	♁	12°29'55" ♏	-23°27'31" ♁	-06°41'20"	-00°01'22"	35.847
03/08/2031 00:00:00	♁	24°59'44" ♏	-19°00'39"	00°00'00"	-00°10'12"	0.002
03/08/2031 00:00:00	♁	21°06'43" ♏	15°58'52"	-02°07'28"	00°01'21"	16.793
03/08/2031 00:00:00	♁	18°27'13" ♏	18°01'04"	-04°10'57"	00°06'41"	0.003
03/08/2031 00:00:00	T♁	24°59'44" ♏	-19°00'39"	00°00'00"	-00°10'12"	0.002
03/08/2031 00:00:00	T♁	27°16'32" ♏	16°19'55"	-04°27'02"	-01°43'33"	0.003
03/08/2031 00:00:00	X	27°06'49" ♏	01°36'23"	-09°27'24"	-00°00'06"	94.773
03/08/2031 00:00:00	Y	05°41'41" ♏	09°44'25"	-11°40'48"	00°00'25"	82.073
04/08/2031 00:00:00	♁	11°27'41" ♏	17°20'21"	00°00'00"	00°57'24"	1.015
04/08/2031 00:00:00	♁	24°35'23" ♏	-08°34'53"	05°01'21"	15°01'17"	0.002
04/08/2031 00:00:00	♁	25°02'19" ♏	08°51'56"	-04°33'57"	-00°28'44"	0.614
04/08/2031 00:00:00	♁	22°29'06" ♏	07°57'13"	-06°24'04"	-00°31'28"	0.297
04/08/2031 00:00:00	♁	18°38'44" ♏	-19°16'35"	-01°59'07"	00°28'46"	0.918
04/08/2031 00:00:00	♁	19°22'26" ♏	-22°40'51"	00°19'43"	-00°02'15"	4.579
04/08/2031 00:00:00	♁	19°44'37" ♏	21°33'53"	-01°28'37"	00°05'48"	9.631
04/08/2031 00:00:00	♁	25°47'31" ♏	23°29'21" ♁	00°07'21"	00°02'43"	19.807
04/08/2031 00:00:00	♁	15°33'35" ♏	04°39'56"	-01°34'47"	-00°00'30"	29.392
04/08/2031 00:00:00	♁	12°28'33" ♏	-23°28'00" ♁	-06°41'25"	-00°01'22"	35.847

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04/08/2031 00:00:00	♏	24°49'16" ♎r	-18°58'07"	00°00'00"	-00°10'30"	0.002
04/08/2031 00:00:00	♋	21°08'03" ♉	15°59'01"	-02°07'40"	00°01'17"	16.776
04/08/2031 00:00:00	♌	18°33'55" ♈	17°59'40"	-04°11'28"	00°06'41"	0.003
04/08/2031 00:00:00	T♏	24°49'16" ♎r	-18°58'07"	00°00'00"	-00°10'30"	0.002
04/08/2031 00:00:00	T♌	25°25'44" ♈r	16°44'29"	-04°22'43"	-02°00'31"	0.003
04/08/2031 00:00:00	X	27°06'43" ♏r	01°36'17"	-09°27'28"	-00°00'06"	94.757
04/08/2031 00:00:00	Y	05°42'06" ♀	09°44'22"	-11°40'55"	00°00'24"	82.058
05/08/2031 00:00:00	♃	12°25'05" ♈	17°04'23"	00°00'00"	00°57'25"	1.015
05/08/2031 00:00:00	♄	09°27'04" ♉	-03°31'07"	04°51'31"	14°40'43"	0.002
05/08/2031 00:00:00	♌	24°31'19" ♈r	08°55'32"	-04°40'54"	-00°33'12"	0.609
05/08/2031 00:00:00	♍	21°56'53" ♈r	07°56'34"	-06°35'28"	-00°32'56"	0.295
05/08/2031 00:00:00	♎	19°07'41" ♎	-19°25'01"	-01°59'33"	00°29'05"	0.924
05/08/2031 00:00:00	♏	19°20'17" ♏r	-22°40'51"	00°19'32"	-00°02'04"	4.591
05/08/2031 00:00:00	♐	19°50'24" ♏	21°34'16"	-01°28'40"	00°05'44"	9.618
05/08/2031 00:00:00	♑	25°50'14" ♏	23°29'27" ♏	00°07'21"	00°02'41"	19.795
05/08/2031 00:00:00	♒	15°33'03" ♏r	04°39'41"	-01°34'50"	-00°00'32"	29.377
05/08/2031 00:00:00	♓	12°27'10" ♏r	-23°28'28" ♏	-06°41'29"	-00°01'22"	35.848
05/08/2031 00:00:00	♏	24°39'08" ♎r	-18°55'40"	00°00'00"	-00°09'33"	0.002
05/08/2031 00:00:00	♋	21°09'19" ♉	15°59'09"	-02°07'53"	00°01'14"	16.758

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05/08/2031 00:00:00	☾	18°40'37" ♉	17°58'16"	-04°11'59"	00°06'41"	0.003
05/08/2031 00:00:00	♁	24°39'08" ♎	-18°55'40"	00°00'00"	-00°09'33"	0.002
05/08/2031 00:00:00	♁	23°12'28" ♉	17°12'31"	-04°17'22"	-02°26'18"	0.003
05/08/2031 00:00:00	X	27°06'35" ♎	01°36'11"	-09°27'32"	-00°00'07"	94.740
05/08/2031 00:00:00	Y	05°42'30" ♀	09°44'18"	-11°41'03"	00°00'23"	82.042
06/08/2031 00:00:00	☉	13°22'31" ♋	16°48'08"	00°00'00"	00°57'26"	1.014
06/08/2031 00:00:00	☾	23°54'43" ♋	01°36'34"	04°23'03"	14°13'48"	0.002
06/08/2031 00:00:00	♁	23°56'02" ♋	09°01'44"	-04°46'30"	-00°37'17"	0.605
06/08/2031 00:00:00	♀	21°23'16" ♋	07°56'46"	-06°46'20"	-00°34'13"	0.293
06/08/2031 00:00:00	♂	19°36'56" ♎	-19°33'26"	-01°59'57"	00°29'25"	0.930
06/08/2031 00:00:00	♃	19°18'18" ♎	-22°40'52"	00°19'21"	-00°01'53"	4.603
06/08/2031 00:00:00	♅	19°56'06" ♀	21°34'39"	-01°28'43"	00°05'40"	9.605
06/08/2031 00:00:00	♁	25°52'55" ♀	23°29'32"	00°07'22"	00°02'39"	19.782
06/08/2031 00:00:00	♁	15°32'30" ♎	04°39'25"	-01°34'53"	-00°00'33"	29.362
06/08/2031 00:00:00	♁	12°25'48" ♎	-23°28'56"	-06°41'34"	-00°01'22"	35.849
06/08/2031 00:00:00	♁	24°30'29" ♎	-18°53'33"	00°00'00"	-00°07'37"	0.002
06/08/2031 00:00:00	♃	21°10'32" ♉	15°59'15"	-02°08'05"	00°01'11"	16.740
06/08/2031 00:00:00	☾	18°47'19" ♉	17°56'52"	-04°12'29"	00°06'41"	0.003
06/08/2031 00:00:00	♁	24°30'29" ♎	-18°53'33"	00°00'00"	-00°07'37"	0.002

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07/08/2031 00:00:00	Y	05°43'16" ♀	09°44'10"	-11°41'18"	00°00'22"	82.010
08/08/2031 00:00:00	☉	15°17'26" ♀	16°14'49"	00°00'00"	00°57'28"	1.014
08/08/2031 00:00:00	☾	21°23'01" ♀	10°53'03"	02°44'53"	13°14'46"	0.003
08/08/2031 00:00:00	♁	22°34'28" ♀	09°21'44"	-04°53'05"	-00°43'53"	0.600
08/08/2031 00:00:00	♂	20°12'43" ♀	07°59'39"	-07°06'13"	-00°36'10"	0.291
08/08/2031 00:00:00	♂	20°36'24" ♀	-19°50'17"	-02°00'44"	00°30'02"	0.942
08/08/2031 00:00:00	♃	19°14'53" ♀	-22°40'57"	00°19'00"	-00°01'31"	4.628
08/08/2031 00:00:00	♄	20°07'18" ♀	21°35'22"	-01°28'49"	00°05'32"	9.578
08/08/2031 00:00:00	♅	25°58'10" ♀	23°29'44"	00°07'24"	00°02'35"	19.756
08/08/2031 00:00:00	♆	15°31'19" ♀	04°38'52"	-01°35'00"	-00°00'37"	29.333
08/08/2031 00:00:00	♇	12°23'04" ♀	-23°29'51"	00°41'42"	-00°01'22"	35.852
08/08/2031 00:00:00	♈	24°20'08" ♀	-18°51'01"	00°00'00"	-00°02'45"	0.002
08/08/2031 00:00:00	♉	21°12'47" ♀	15°59'26"	-02°08'30"	00°01'04"	16.704
08/08/2031 00:00:00	♊	19°00'42" ♀	17°54'03"	-04°13'30"	00°06'41"	0.003
08/08/2031 00:00:00	♋	24°20'08" ♀	-18°51'01"	00°00'00"	-00°02'45"	0.002
08/08/2031 00:00:00	♌	15°17'34" ♀	18°39'39"	-03°55'15"	-02°15'11"	0.003
08/08/2031 00:00:00	X	27°06'10" ♀	01°35'51"	-09°27'43"	-00°00'09"	94.692
08/08/2031 00:00:00	Y	05°43'38" ♀	09°44'06"	-11°41'26"	00°00'21"	81.994
09/08/2031 00:00:00	☉	16°14'56" ♀	15°57'45"	00°00'00"	00°57'30"	1.014

Ephemerides year 2031

09/08/2031 00:00:00	♃	04°24'15" ♄	14°36'24"	01°43'20"	12°48'20"	0.003
09/08/2031 00:00:00	♆	21°49'20" ♁	09°35'20"	-04°53'51"	-00°46'13"	0.600
09/08/2031 00:00:00	♀	19°36'13" ♁	08°02'18"	-07°15'09"	-00°36'48"	0.290
09/08/2031 00:00:00	♂	21°06'36" ♃	-19°58'41"	-02°01'05"	00°30'21"	0.948
09/08/2031 00:00:00	♂	19°13'26" ♁	-22°41'00"	00°18'50"	-00°01'20"	4.641
09/08/2031 00:00:00	♃	20°12'49" ♀	21°35'43"	-01°28'52"	00°05'28"	9.565
09/08/2031 00:00:00	♃	26°00'45" ♀	23°29'49" ○	00°07'25"	00°02'33"	19.743
09/08/2031 00:00:00	♃	15°30'40" ♁	04°38'34"	-01°35'03"	-00°00'39"	29.319
09/08/2031 00:00:00	♃	12°21'42" ♁	-23°30'19" ○	-06°41'46"	-00°01'22"	35.854
09/08/2031 00:00:00	♁	24°18'22" ♃	-18°50'35"	00°00'00"	-00°00'54"	0.002
09/08/2031 00:00:00	♃	21°13'50" ♄	15°59'30"	-02°08'43"	00°01'01"	16.687
09/08/2031 00:00:00	♁	19°07'24" ♃	17°52'38"	-04°14'00"	00°06'41"	0.003
09/08/2031 00:00:00	♁	24°18'22" ♃	-18°50'35"	00°00'00"	-00°00'54"	0.002
09/08/2031 00:00:00	♁	13°24'38" ♃	18°57'23"	-03°49'13"	-01°28'40"	0.003
09/08/2031 00:00:00	X	27°06'00" ♁	01°35'44"	-09°27'47"	-00°00'10"	94.676
09/08/2031 00:00:00	Y	05°43'59" ♀	09°44'02"	-11°41'34"	00°00'21"	81.977
10/08/2031 00:00:00	♁	17°12'27" ♁	15°40'27"	00°00'00"	00°57'31"	1.014
10/08/2031 00:00:00	♃	17°01'09" ♄	17°31'46"	00°38'29"	12°26'18"	0.003
10/08/2031 00:00:00	♆	21°02'16" ♁	09°51'06"	-04°52'50"	-00°47'47"	0.600

Ephemerides year 2031

10/08/2031 00:00:00	♀	18°59'12" ♏	08°05'41"	-07°23'19"	-00°37'11"	0.289
10/08/2031 00:00:00	♂	21°37'07" ♎	-20°07'05"	-02°01'26"	00°30'39"	0.953
10/08/2031 00:00:00	♃	19°12'11" ♏	-22°41'05"	00°18'39"	-00°01'09"	4.654
10/08/2031 00:00:00	♅	20°18'15" ♎	21°36'03"	-01°28'56"	00°05'23"	9.551
10/08/2031 00:00:00	♁	26°03'17" ♎	23°29'55" ○	00°07'26"	00°02'31"	19.730
10/08/2031 00:00:00	♃	15°30'00" ♎	04°38'16"	-01°35'06"	-00°00'41"	29.304
10/08/2031 00:00:00	♁	12°20'20" ♏	-23°30'46" ○	-06°41'49"	-00°01'21"	35.856
10/08/2031 00:00:00	♁	24°18'00" ♎	-18°50'30"	00°00'00"	-00°00'00"	0.002
10/08/2031 00:00:00	♃	21°14'50" ♏	15°59'33"	-02°08'56"	00°00'57"	16.669
10/08/2031 00:00:00	♁	19°14'06" ♎	17°51'13"	-04°14'31"	00°06'41"	0.003
10/08/2031 00:00:00	T♁	24°18'00" ♎	-18°50'30"	00°00'00"	-00°00'00"	0.002
10/08/2031 00:00:00	T♁	12°21'56" ♎	19°06'47"	-03°45'40"	-00°36'56"	0.003
10/08/2031 00:00:00	X	27°05'50" ♎	01°35'37"	-09°27'51"	-00°00'10"	94.660
10/08/2031 00:00:00	Y	05°44'20" ♎	09°43'57"	-11°41'42"	00°00'20"	81.961
11/08/2031 00:00:00	♁	18°09'59" ♏	15°22'53"	00°00'00"	00°57'33"	1.014
11/08/2031 00:00:00	♃	29°18'35" ♏	19°33'58"	-00°26'31"	12°09'24"	0.003
11/08/2031 00:00:00	♃	20°14'02" ♏	10°08'49"	-04°49'58"	-00°48'31"	0.603
11/08/2031 00:00:00	♀	18°21'54" ♏	08°09'47"	-07°30'43"	-00°37'21"	0.289
11/08/2031 00:00:00	♂	22°07'55" ♎	-20°15'27"	-02°01'46"	00°30'57"	0.959

Ephemerides year 2031

11/08/2031 00:00:00	♃	19°11'08" ♏r	-22°41'10"	00°18'29"	-00°00'58"	4.666
11/08/2031 00:00:00	♅	20°23'37" ♏	21°36'23"	-01°28'59"	00°05'19"	9.537
11/08/2031 00:00:00	♁	26°05'48" ♏	23°30'00"	♁ 00°07'26"	00°02'29"	19.717
11/08/2031 00:00:00	♆	15°29'18" ♏r	04°37'57"	-01°35'09"	-00°00'42"	29.290
11/08/2031 00:00:00	♁	12°18'58" ♁r	-23°31'13"	♁ -06°41'52"	-00°01'21"	35.858
11/08/2031 00:00:00	♁	24°17'58" ♏r	-18°50'29"	00°00'00"	-00°00'13"	0.002
11/08/2031 00:00:00	♃	21°15'46" ♏	15°59'35"	-02°09'09"	00°00'54"	16.651
11/08/2031 00:00:00	♁	19°20'48" ♁	17°49'48"	-04°15'01"	00°06'41"	0.003
11/08/2031 00:00:00	♁	24°17'58" ♏r	-18°50'29"	00°00'00"	-00°00'13"	0.002
11/08/2031 00:00:00	♁	12°08'41" ♁	19°08'49"	-03°44'49"	00°08'45"	0.003
11/08/2031 00:00:00	X	27°05'39" ♏r	01°35'30"	-09°27'54"	-00°00'11"	94.644
11/08/2031 00:00:00	Y	05°44'40" ♏	09°43'53"	-11°41'50"	00°00'19"	81.945
12/08/2031 00:00:00	♁	19°07'33" ♏	15°05'04"	-00°00'00"	00°57'34"	1.014
12/08/2031 00:00:00	♁	11°21'44" ♏	20°40'01"	-01°29'03"	11°57'45"	0.003
12/08/2031 00:00:00	♁	19°25'31" ♏r	10°28'15"	-04°45'14"	-00°48'20"	0.607
12/08/2031 00:00:00	♁	17°44'34" ♏r	08°14'34"	-07°37'19"	-00°37'16"	0.289
12/08/2031 00:00:00	♁	22°39'01" ♏	-20°23'48"	-02°02'05"	00°31'14"	0.965
12/08/2031 00:00:00	♃	19°10'15" ♏r	-22°41'16"	00°18'18"	-00°00'47"	4.680
12/08/2031 00:00:00	♅	20°28'54" ♏	21°36'42"	-01°29'03"	00°05'15"	9.523

Ephemerides year 2031

12/08/2031 00:00:00	♃	26°08'16" ♀	23°30'05" ♁	00°07'27"	00°02'27"	19.703
12/08/2031 00:00:00	♅	15°28'35" ♂	04°37'37"	-01°35'12"	-00°00'44"	29.276
12/08/2031 00:00:00	♆	12°17'36" ♁	-23°31'40" ♁	-06°41'56"	-00°01'21"	35.861
12/08/2031 00:00:00	♄	24°17'10" ♃	-18°50'18"	00°00'00"	-00°01'32"	0.002
12/08/2031 00:00:00	♁	21°16'38" ♂	15°59'36"	-02°09'22"	00°00'50"	16.633
12/08/2031 00:00:00	♁	19°27'30" ♁	17°48'23"	-04°15'31"	00°06'41"	0.003
12/08/2031 00:00:00	♄♁	24°17'10" ♃	-18°50'18"	00°00'00"	-00°01'32"	0.002
12/08/2031 00:00:00	♁♄	12°35'20" ♁	19°05'04"	-03°46'10"	00°42'18"	0.003
12/08/2031 00:00:00	♁	27°05'27" ♂	01°35'22"	-09°27'58"	-00°00'11"	94.628
12/08/2031 00:00:00	♅	05°44'59" ♀	09°43'48"	-11°41'58"	00°00'19"	81.928
13/08/2031 00:00:00	♁	20°05'08" ♁	14°47'01"	-00°00'00"	00°57'35"	1.013
13/08/2031 00:00:00	♃	23°15'46" ♀	20°49'06"	-02°26'48"	11°51'03"	0.003
13/08/2031 00:00:00	♁	18°37'39" ♁	10°49'05"	-04°38'40"	-00°47'14"	0.612
13/08/2031 00:00:00	♁	17°07'25" ♁	08°19'57"	-07°43'04"	-00°36'57"	0.289
13/08/2031 00:00:00	♁	23°10'25" ♃	-20°32'07"	-02°02'23"	00°31'32"	0.971
13/08/2031 00:00:00	♁	19°09'33" ♂	-22°41'23"	00°18'08"	-00°00'35"	4.693
13/08/2031 00:00:00	♁	20°34'07" ♀	21°37'00"	-01°29'06"	00°05'10"	9.509
13/08/2031 00:00:00	♃	26°10'42" ♀	23°30'10" ♁	00°07'28"	00°02'25"	19.689
13/08/2031 00:00:00	♅	15°27'49" ♂	04°37'17"	-01°35'15"	-00°00'46"	29.262

Ephemerides year 2031

13/08/2031 00:00:00	♁	12°16'15" ♁	-23°32'06" ♁	-06°41'59"	-00°01'21"	35.864
13/08/2031 00:00:00	♁	24°14'35" ♁	-18°49'40"	00°00'00"	-00°03'45"	0.002
13/08/2031 00:00:00	♁	21°17'27" ♁	15°59'37"	-02°09'35"	00°00'47"	16.615
13/08/2031 00:00:00	♁	19°34'12" ♁	17°46'58"	-04°16'00"	00°06'41"	0.003
13/08/2031 00:00:00	♁	24°14'35" ♁	-18°49'40"	00°00'00"	-00°03'45"	0.002
13/08/2031 00:00:00	♁	13°28'49" ♁	18°57'10"	-03°49'01"	01°02'32"	0.003
13/08/2031 00:00:00	X	27°05'15" ♁	01°35'15"	-09°28'02"	-00°00'12"	94.612
13/08/2031 00:00:00	Y	05°45'18" ♁	09°43'43"	-11°42'06"	00°00'18"	81.911
14/08/2031 00:00:00	♁	21°02'44" ♁	14°28'44"	-00°00'00"	00°57'37"	1.013
14/08/2031 00:00:00	♁	05°05'18" ♁	20°02'32"	-03°17'45"	11°48'41"	0.003
14/08/2031 00:00:00	♁	17°51'20" ♁	11°11'00"	-04°30'18"	-00°45'12"	0.619
14/08/2031 00:00:00	♁	16°30'43" ♁	08°25'55"	-07°47'59"	-00°36'24"	0.290
14/08/2031 00:00:00	♁	23°42'05" ♁	-20°40'24"	-02°02'40"	00°31'49"	0.977
14/08/2031 00:00:00	♁	19°09'03" ♁	-22°41'31"	00°17'57"	-00°00'24"	4.706
14/08/2031 00:00:00	♁	20°39'16" ♁	21°37'18"	-01°29'10"	00°05'06"	9.495
14/08/2031 00:00:00	♁	26°13'06" ♁	23°30'15" ♁	00°07'29"	00°02'22"	19.675
14/08/2031 00:00:00	♁	15°27'02" ♁	04°36'56"	-01°35'18"	-00°00'47"	29.248
14/08/2031 00:00:00	♁	12°14'54" ♁	-23°32'32" ♁	-06°42'01"	-00°01'21"	35.867
14/08/2031 00:00:00	♁	24°09'29" ♁	-18°48'24"	00°00'00"	-00°06'29"	0.002

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14/08/2031 00:00:00	♄	21°18'13"	♄	15°59'36"	-02°09'47"	00°00'43"	16.597
14/08/2031 00:00:00	♁	19°40'54"	♁	17°45'32"	-04°16'30"	00°06'42"	0.003
14/08/2031 00:00:00	T♄	24°09'29"	♄r	-18°48'24"	00°00'00"	-00°06'29"	0.002
14/08/2031 00:00:00	T♁	14°36'51"	♁	18°46'37"	-03°52'40"	01°12'09"	0.003
14/08/2031 00:00:00	X	27°05'03"	♄r	01°35'07"	-09°28'05"	-00°00'12"	94.597
14/08/2031 00:00:00	Y	05°45'36"	♄	09°43'38"	-11°42'14"	00°00'17"	81.895
15/08/2031 00:00:00	♃	22°00'22"	♃	14°10'13"	-00°00'00"	00°57'38"	1.013
15/08/2031 00:00:00	♃	16°54'21"	♁	18°23'39"	-04°00'02"	11°49'56"	0.003
15/08/2031 00:00:00	♁	17°07'32"	♃r	11°33'40"	-04°20'14"	-00°42'15"	0.627
15/08/2031 00:00:00	♂	15°54'40"	♃r	08°32'25"	-07°52'02"	-00°35'38"	0.291
15/08/2031 00:00:00	♂	24°14'03"	♄	-20°48'39"	-02°02'56"	00°32'06"	0.983
15/08/2031 00:00:00	♃	19°08'44"	♃r	-22°41'40"	00°17'47"	-00°00'13"	4.720
15/08/2031 00:00:00	♃	20°44'20"	♄	21°37'35"	-01°29'14"	00°05'01"	9.480
15/08/2031 00:00:00	♃	26°15'28"	♄	23°30'20"	00°07'30"	00°02'20"	19.661
15/08/2031 00:00:00	♁	15°26'14"	♄r	04°36'35"	-01°35'21"	-00°00'49"	29.235
15/08/2031 00:00:00	♁	12°13'33"	♃r	-23°32'58"	00°06'42"	-00°01'20"	35.871
15/08/2031 00:00:00	♃	24°01'35"	♄r	-18°46'28"	00°00'00"	-00°09'17"	0.002
15/08/2031 00:00:00	♄	21°18'55"	♄	15°59'34"	-02°10'00"	00°00'40"	16.579
15/08/2031 00:00:00	♁	19°47'36"	♁	17°44'06"	-04°16'59"	00°06'41"	0.003

Ephemerides year 2031

15/08/2031 00:00:00	T♄	24°01'35" ♍	-18°46'28"	00°00'00"	-00°09'17"	0.002
15/08/2031 00:00:00	T♄	15°51'39" ♉	18°34'23"	-03°56'42"	01°17'23"	0.003
15/08/2031 00:00:00	X	27°04'49" ♏	01°34'59"	-09°28'09"	-00°00'13"	94.581
15/08/2031 00:00:00	Y	05°45'53" ♀	09°43'33"	-11°42'22"	00°00'16"	81.878
16/08/2031 00:00:00	☉	22°58'01" ♋	13°51'28"	-00°00'00"	00°57'39"	1.013
16/08/2031 00:00:00	☾	28°46'07" ♉	15°57'39"	-04°32'02"	11°53'58"	0.003
16/08/2031 00:00:00	♁	16°27'07" ♋	11°56'44"	-04°08'35"	-00°38'25"	0.637
16/08/2031 00:00:00	♂	15°19'31" ♋	08°39'22"	-07°55'13"	-00°34'38"	0.292
16/08/2031 00:00:00	♂	24°46'17" ♍	-20°56'52"	-02°03'11"	00°32'22"	0.989
16/08/2031 00:00:00	♃	19°08'36" ♏	-22°41'50"	00°17'36"	-00°00'02"	4.733
16/08/2031 00:00:00	♃	20°49'20" ♀	21°37'52"	-01°29'18"	00°04'57"	9.466
16/08/2031 00:00:00	♃	26°17'47" ♀	23°30'25" ○	00°07'31"	00°02'18"	19.647
16/08/2031 00:00:00	♃	15°25'23" ♏	04°36'12"	-01°35'24"	-00°00'51"	29.221
16/08/2031 00:00:00	♃	12°12'12" ♏	-23°33'24" ○	-06°42'06"	-00°01'20"	35.875
16/08/2031 00:00:00	♁	23°51'01" ♍	-18°43'51"	00°00'00"	-00°11'43"	0.002
16/08/2031 00:00:00	♃	21°19'33" ♏	15°59'32"	-02°10'13"	00°00'36"	16.561
16/08/2031 00:00:00	♁	19°54'18" ♉	17°42'40"	-04°17'29"	00°06'41"	0.003
16/08/2031 00:00:00	T♄	23°51'01" ♍	-18°43'51"	00°00'00"	-00°11'43"	0.002
16/08/2031 00:00:00	T♄	17°13'08" ♉	18°20'16"	-04°01'08"	01°27'08"	0.003

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16/08/2031 00:00:00	X	27°04'36"	01°34'51"	-09°28'12"	-00°00'14"	94.566
16/08/2031 00:00:00	Y	05°46'10"	09°43'27"	-11°42'31"	00°00'16"	81.861
17/08/2031 00:00:00		23°55'42"	13°32'30"	-00°00'00"	00°57'41"	1.013
17/08/2031 00:00:00		10°42'59"	12°51'04"	-04°52'17"	12°00'02"	0.003
17/08/2031 00:00:00		15°50'56"	12°19'50"	-03°55'30"	-00°33'47"	0.649
17/08/2031 00:00:00		14°45'27"	08°46'44"	-07°57'33"	-00°33'26"	0.294
17/08/2031 00:00:00		25°18'48"	-21°05'01"	-02°03'25"	00°32'38"	0.994
17/08/2031 00:00:00		19°08'39"	-22°42'01"	00°17'26"	00°00'08"	4.747
17/08/2031 00:00:00		20°54'15"	21°38'08"	-01°29'22"	00°04'52"	9.451
17/08/2031 00:00:00		26°20'04"	23°30'30"	00°07'32"	00°02'15"	19.633
17/08/2031 00:00:00		15°24'31"	04°35'50"	-01°35'27"	-00°00'53"	29.208
17/08/2031 00:00:00		12°10'52"	-23°33'49"	-06°42'08"	-00°01'20"	35.879
17/08/2031 00:00:00		23°38'23"	-18°40'43"	00°00'00"	-00°13'22"	0.003
17/08/2031 00:00:00		21°20'08"	15°59'28"	-02°10'26"	00°00'33"	16.543
17/08/2031 00:00:00		20°01'00"	17°41'14"	-04°17'58"	00°06'41"	0.003
17/08/2031 00:00:00	T	23°38'23"	-18°40'43"	00°00'00"	-00°13'22"	0.003
17/08/2031 00:00:00	T	18°50'29"	18°02'27"	-04°06'25"	01°50'22"	0.003
17/08/2031 00:00:00	X	27°04'21"	01°34'43"	-09°28'16"	-00°00'14"	94.551
17/08/2031 00:00:00	Y	05°46'25"	09°43'22"	-11°42'39"	00°00'15"	81.844

Ephemerides year 2031

18/08/2031 00:00:00	☉	24°53'24" ♈	13°13'19"	-00°00'00"	00°57'42"	1.012
18/08/2031 00:00:00	☾	22°46'38" ♈	09°11'36"	-04°59'40"	12°07'27"	0.003
18/08/2031 00:00:00	♁	15°19'47" ♈♁	12°42'37"	-03°41'08"	-00°28'24"	0.663
18/08/2031 00:00:00	♂	14°12'41" ♈♁	08°54'28"	-07°59'03"	-00°32'03"	0.296
18/08/2031 00:00:00	♂	25°51'35" ♎	-21°13'08"	-02°03'38"	00°32'54"	1.000
18/08/2031 00:00:00	♃	19°08'54" ♏	-22°42'12"	00°17'16"	00°00'20"	4.761
18/08/2031 00:00:00	♄	20°59'05" ♀	21°38'24"	-01°29'26"	00°04'47"	9.436
18/08/2031 00:00:00	♅	26°22'19" ♀	23°30'34" ♁	00°07'32"	00°02'13"	19.618
18/08/2031 00:00:00	♆	15°23'37" ♁♁	04°35'26"	-01°35'30"	-00°00'54"	29.195
18/08/2031 00:00:00	♇	12°09'32" ♁♁	-23°34'14" ♁	-06°42'10"	-00°01'19"	35.883
18/08/2031 00:00:00	♈	23°24'37" ♎♁	-18°37'17"	00°00'00"	-00°13'57"	0.003
18/08/2031 00:00:00	♉	21°20'40" ♏	15°59'24"	-02°10'39"	00°00'29"	16.525
18/08/2031 00:00:00	♊	20°07'42" ♁	17°39'48"	-04°18'27"	00°06'41"	0.003
18/08/2031 00:00:00	♋	23°24'37" ♎♁	-18°37'17"	00°00'00"	-00°13'57"	0.003
18/08/2031 00:00:00	♌	20°59'45" ♁	17°37'25"	-04°13'11"	02°30'51"	0.003
18/08/2031 00:00:00	♍	27°04'06" ♁♁	01°34'34"	-09°28'19"	-00°00'15"	94.536
18/08/2031 00:00:00	♎	05°46'40" ♀	09°43'16"	-11°42'47"	00°00'14"	81.827
19/08/2031 00:00:00	☉	25°51'07" ♈	12°53'56"	-00°00'00"	00°57'43"	1.012
19/08/2031 00:00:00	☾	04°58'11" ♎	05°07'44"	-04°53'31"	12°15'46"	0.003

Ephemerides year 2031

19/08/2031 00:00:00	♀	14°54'20" ♀	13°04'45"	-03°25'41"	-00°22'22"	0.677
19/08/2031 00:00:00	♀	13°41'23" ♀	09°02'29"	-07°59'42"	-00°30'29"	0.298
19/08/2031 00:00:00	♂	26°24'38" ♀	-21°21'11"	-02°03'51"	00°33'10"	1.006
19/08/2031 00:00:00	♂	19°09'19" ♂	-22°42'24"	00°17'05"	00°00'31"	4.775
19/08/2031 00:00:00	♂	21°03'50" ♀	21°38'39"	-01°29'30"	00°04'42"	9.421
19/08/2031 00:00:00	♂	26°24'31" ♀	23°30'39" ○	00°07'33"	00°02'10"	19.604
19/08/2031 00:00:00	♂	15°22'41" ♂	04°35'02"	-01°35'33"	-00°00'56"	29.182
19/08/2031 00:00:00	♂	12°08'12" ♂	-23°34'39" ○	-06°42'12"	-00°01'19"	35.888
19/08/2031 00:00:00	♂	23°10'53" ♀	-18°33'50"	00°00'00"	-00°13'20"	0.003
19/08/2031 00:00:00	♂	21°21'08" ♂	15°59'19"	-02°10'52"	00°00'26"	16.507
19/08/2031 00:00:00	♂	20°14'24" ♂	17°38'22"	-04°18'56"	00°06'41"	0.003
19/08/2031 00:00:00	T♂	23°10'53" ♀	-18°33'50"	00°00'00"	-00°13'20"	0.003
19/08/2031 00:00:00	T♂	23°56'05" ♂	17°00'58"	-04°21'45"	03°22'42"	0.003
19/08/2031 00:00:00	X	27°03'50" ♂	01°34'26"	-09°28'22"	-00°00'15"	94.521
19/08/2031 00:00:00	Y	05°46'55" ♀	09°43'10"	-11°42'55"	00°00'13"	81.810
20/08/2031 00:00:00	♂	26°48'51" ♀	12°34'20"	-00°00'00"	00°57'44"	1.012
20/08/2031 00:00:00	♂	17°18'26" ♀	00°48'39"	-04°33'37"	12°24'50"	0.003
20/08/2031 00:00:00	♀	14°35'13" ♀	13°25'54"	-03°09'21"	-00°15'47"	0.694
20/08/2031 00:00:00	♀	13°11'44" ♀	09°10'45"	-07°59'33"	-00°28'46"	0.300

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20/08/2031 00:00:00	♂	26°57'56" ♍	-21°29'11"	-02°04'02"	00°33'26"	1.012
20/08/2031 00:00:00	♃	19°09'56" ♏	-22°42'38"	00°16'55"	00°00'42"	4.789
20/08/2031 00:00:00	♅	21°08'31" ♁	21°38'53"	-01°29'34"	00°04'38"	9.406
20/08/2031 00:00:00	♁	26°26'41" ♁	23°30'43" ♁	00°07'34"	00°02'08"	19.589
20/08/2031 00:00:00	♃	15°21'44" ♏	04°34'38"	-01°35'36"	-00°00'58"	29.170
20/08/2031 00:00:00	♁	12°06'53" ♁	-23°35'03" ♁	-06°42'14"	-00°01'19"	35.893
20/08/2031 00:00:00	♁	22°58'19" ♍	-18°30'40"	00°00'00"	-00°11'37"	0.003
20/08/2031 00:00:00	♃	21°21'32" ♏	15°59'12"	-02°11'05"	00°00'22"	16.489
20/08/2031 00:00:00	♁	20°21'05" ♁	17°36'55"	-04°19'25"	00°06'41"	0.003
20/08/2031 00:00:00	T♁	22°58'19" ♍	-18°30'40"	00°00'00"	-00°11'37"	0.003
20/08/2031 00:00:00	T♁	27°44'11" ♁	16°10'07"	-04°31'38"	04°11'33"	0.003
20/08/2031 00:00:00	X	27°03'34" ♏	01°34'17"	-09°28'26"	-00°00'16"	94.506
20/08/2031 00:00:00	Y	05°47'08" ♁	09°43'04"	-11°43'04"	00°00'13"	81.793
21/08/2031 00:00:00	♁	27°46'37" ♁	12°14'33"	-00°00'00"	00°57'46"	1.012
21/08/2031 00:00:00	♃	29°48'08" ♍	-03°35'47"	-04°00'21"	12°34'43"	0.003
21/08/2031 00:00:00	♁	14°22'54" ♏	13°45'45"	-02°52'18"	-00°08'46"	0.712
21/08/2031 00:00:00	♀	12°43'52" ♏	09°19'13"	-07°58'38"	-00°26'54"	0.303
21/08/2031 00:00:00	♂	27°31'30" ♍	-21°37'07"	-02°04'13"	00°33'41"	1.018
21/08/2031 00:00:00	♃	19°10'44" ♏	-22°42'52"	00°16'45"	00°00'53"	4.803

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21/08/2031 00:00:00	♃	21°13'06" ♀	21°39'07"	-01°29'38"	00°04'33"	9.391
21/08/2031 00:00:00	♃	26°28'48" ♀	23°30'48" ♀	00°07'35"	00°02'05"	19.574
21/08/2031 00:00:00	♃	15°20'45" ♀	04°34'13"	-01°35'38"	-00°00'59"	29.157
21/08/2031 00:00:00	♃	12°05'34" ♀	-23°35'27" ♀	-06°42'15"	-00°01'18"	35.899
21/08/2031 00:00:00	♃	22°47'55" ♀	-18°28'02"	00°00'00"	-00°09'05"	0.003
21/08/2031 00:00:00	♃	21°21'52" ♀	15°59'05"	-02°11'18"	00°00'18"	16.472
21/08/2031 00:00:00	♃	20°27'47" ♀	17°35'28"	-04°19'54"	00°06'41"	0.003
21/08/2031 00:00:00	♃	22°47'55" ♀	-18°28'02"	00°00'00"	-00°09'05"	0.003
21/08/2031 00:00:00	♃	02°12'45" ♀	15°05'10"	-04°41'35"	04°41'09"	0.003
21/08/2031 00:00:00	X	27°03'17" ♀	01°34'08"	-09°28'29"	-00°00'17"	94.492
21/08/2031 00:00:00	Y	05°47'21" ♀	09°42'58"	-11°43'12"	00°00'12"	81.776
22/08/2031 00:00:00	♃	28°44'24" ♀	11°54'34"	-00°00'00"	00°57'47"	1.012
22/08/2031 00:00:00	♃	12°28'16" ♀	-07°54'53"	-03°14'47"	12°45'46"	0.003
22/08/2031 00:00:00	♃	14°17'47" ♀	14°04'02"	-02°34'44"	-00°01'24"	0.731
22/08/2031 00:00:00	♃	12°17'56" ♀	09°27'50"	-07°56'58"	-00°24'55"	0.305
22/08/2031 00:00:00	♃	28°05'19" ♀	-21°44'59"	-02°04'23"	00°33'56"	1.024
22/08/2031 00:00:00	♃	19°11'44" ♀	-22°43'07"	00°16'35"	00°01'05"	4.817
22/08/2031 00:00:00	♃	21°17'37" ♀	21°39'20"	-01°29'42"	00°04'28"	9.376
22/08/2031 00:00:00	♃	26°30'53" ♀	23°30'52" ♀	00°07'36"	00°02'03"	19.559

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22/08/2031 00:00:00	♁	15°19'45" ♏	04°33'47"	-01°35'41"	-00°01'01"	29.145
22/08/2031 00:00:00	♁	12°04'16" ♏	-23°35'51"	♁-06°42'16"	-00°01'18"	35.904
22/08/2031 00:00:00	♁	22°40'17" ♏	-18°26'06"	00°00'00"	-00°06'09"	0.003
22/08/2031 00:00:00	♁	21°22'10" ♏	15°58'57"	-02°11'31"	00°00'15"	16.454
22/08/2031 00:00:00	♁	20°34'29" ♏	17°34'01"	-04°20'23"	00°06'41"	0.003
22/08/2031 00:00:00	T♁	22°40'17" ♏	-18°26'06"	00°00'00"	-00°06'09"	0.003
22/08/2031 00:00:00	T♁	06°56'14" ♏	13°51'05"	-04°50'05"	04°40'09"	0.003
22/08/2031 00:00:00	X	27°03'00" ♏	01°33'59"	-09°28'32"	-00°00'17"	94.477
22/08/2031 00:00:00	Y	05°47'33" ♏	09°42'52"	-11°43'21"	00°00'11"	81.759
23/08/2031 00:00:00	♁	29°42'12" ♏	11°34'24"	-00°00'00"	00°57'48"	1.011
23/08/2031 00:00:00	♁	25°20'13" ♏	-11°56'52"	-02°18'33"	12°58'26"	0.003
23/08/2031 00:00:00	♁	14°20'10" ♏	14°20'29"	-02°16'52"	00°06'12"	0.752
23/08/2031 00:00:00	♁	11°54'03" ♏	09°36'31"	-07°54'35"	-00°22'50"	0.309
23/08/2031 00:00:00	♁	28°39'23" ♏	-21°52'47"	-02°04'32"	00°34'11"	1.029
23/08/2031 00:00:00	♁	19°12'55" ♏	-22°43'22"	00°16'25"	00°01'16"	4.832
23/08/2031 00:00:00	♁	21°22'03" ♏	21°39'33"	-01°29'47"	00°04'23"	9.361
23/08/2031 00:00:00	♁	26°32'55" ♏	23°30'56"	♁ 00°07'37"	00°02'00"	19.544
23/08/2031 00:00:00	♁	15°18'43" ♏	04°33'20"	-01°35'44"	-00°01'02"	29.133
23/08/2031 00:00:00	♁	12°02'58" ♏	-23°36'14"	♁-06°42'17"	-00°01'17"	35.910

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23/08/2031 00:00:00	♏	22°35'34" ♃	-18°24'54"	00°00'00"	-00°03'20"	0.003
23/08/2031 00:00:00	♋	21°22'23" ♃	15°58'48"	-02°11'45"	00°00'11"	16.436
23/08/2031 00:00:00	♌	20°41'11" ♃	17°32'34"	-04°20'51"	00°06'41"	0.003
23/08/2031 00:00:00	♏	22°35'34" ♃	-18°24'54"	00°00'00"	-00°03'20"	0.003
23/08/2031 00:00:00	♌	11°21'34" ♃	12°37'01"	-04°56'11"	04°04'52"	0.003
23/08/2031 00:00:00	X	27°02'42" ♃	01°33'50"	-09°28'35"	-00°00'18"	94.463
23/08/2031 00:00:00	Y	05°47'44" ♃	09°42'45"	-11°43'29"	00°00'10"	81.742
24/08/2031 00:00:00	♏	00°40'01" ♃	11°14'03"	-00°00'00"	00°57'49"	1.011
24/08/2031 00:00:00	♌	08°25'51" ♃	-15°28'43"	-01°13'59"	13°13'10"	0.003
24/08/2031 00:00:00	♌	14°30'16" ♃	14°34'51"	-01°58'50"	00°13'59"	0.774
24/08/2031 00:00:00	♌	11°32'18" ♃	09°45'15"	-07°51'31"	-00°20'39"	0.312
24/08/2031 00:00:00	♌	29°13'41" ♃	-22°00'30"	-02°04'40"	00°34'25"	1.035
24/08/2031 00:00:00	♌	19°14'16" ♃	-22°43'39"	00°16'15"	00°01'27"	4.846
24/08/2031 00:00:00	♌	21°26'23" ♃	21°39'45"	-01°29'51"	00°04'18"	9.345
24/08/2031 00:00:00	♌	26°34'55" ♃	23°31'00"	00°07'38"	00°01'58"	19.528
24/08/2031 00:00:00	♌	15°17'39" ♃	04°32'54"	-01°35'46"	-00°01'04"	29.121
24/08/2031 00:00:00	♌	12°01'41" ♃	-23°36'38"	-06°42'18"	-00°01'16"	35.916
24/08/2031 00:00:00	♏	22°33'22" ♃	-18°24'20"	00°00'00"	-00°01'10"	0.003
24/08/2031 00:00:00	♋	21°22'33" ♃	15°58'38"	-02°11'58"	00°00'08"	16.418

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24/08/2031 00:00:00	☾	20°47'53" ♉	17°31'07"	-04°21'19"	00°06'42"	0.003
24/08/2031 00:00:00	♁	22°33'22" ♎	-18°24'20"	00°00'00"	-00°01'10"	0.003
24/08/2031 00:00:00	♁	14°55'38" ♎	11°34'16"	-04°59'46"	02°58'45"	0.003
24/08/2031 00:00:00	X	27°02'23" ♎	01°33'40"	-09°28'38"	-00°00'18"	94.449
24/08/2031 00:00:00	Y	05°47'55" ♉	09°42'39"	-11°43'37"	00°00'10"	81.725
25/08/2031 00:00:00	☉	01°37'52" ♎	10°53'31"	00°00'00"	00°57'51"	1.011
25/08/2031 00:00:00	☾	21°47'19" ♎	-18°16'24"	-00°04'01"	13°30'08"	0.003
25/08/2031 00:00:00	♀	14°48'11" ♎	14°46'55"	-01°40'50"	00°21'50"	0.797
25/08/2031 00:00:00	♀	11°12'45" ♎	09°53'58"	-07°47'50"	-00°18'24"	0.315
25/08/2031 00:00:00	♂	29°48'13" ♎	-22°08'08"	-02°04'48"	00°34'39"	1.041
25/08/2031 00:00:00	♃	19°15'49" ♏	-22°43'56"	00°16'05"	00°01'38"	4.861
25/08/2031 00:00:00	♃	21°30'39" ♉	21°39'57"	-01°29'56"	00°04'12"	9.330
25/08/2031 00:00:00	♃	26°36'52" ♉	23°31'04" ○	00°07'39"	00°01'55"	19.513
25/08/2031 00:00:00	♃	15°16'35" ♎	04°32'26"	-01°35'49"	-00°01'05"	29.110
25/08/2031 00:00:00	♃	12°00'24" ♎	-23°37'00" ○	-06°42'19"	-00°01'16"	35.923
25/08/2031 00:00:00	♁	22°32'53" ♎	-18°24'13"	00°00'00"	-00°00'01"	0.003
25/08/2031 00:00:00	♃	21°22'40" ♏	15°58'27"	-02°12'11"	00°00'04"	16.401
25/08/2031 00:00:00	☾	20°54'35" ♉	17°29'40"	-04°21'48"	00°06'42"	0.003
25/08/2031 00:00:00	♁	22°32'53" ♎	-18°24'13"	00°00'00"	-00°00'01"	0.003

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26/08/2031 00:00:00	Y	05°48'14" ♀	09°42'25"	-11°43'54"	00°00'08"	81.690
27/08/2031 00:00:00	☉	03°33'36" ♍	10°11'57"	00°00'00"	00°57'53"	1.011
27/08/2031 00:00:00	☾	19°25'47" ♎	-20°44'01"	02°17'10"	14°08'58"	0.002
27/08/2031 00:00:00	♀	15°47'30" ♋	15°03'22"	-01°05'29"	00°37'25"	0.847
27/08/2031 00:00:00	♀	10°40'36" ♋	10°11'13"	-07°38'42"	-00°13'44"	0.323
27/08/2031 00:00:00	♂	00°58'00" ♎	-22°23'08"	-02°05'00"	00°35'06"	1.053
27/08/2031 00:00:00	♃	19°19'29" ♎	-22°44'34"	00°15'45"	00°02'00"	4.890
27/08/2031 00:00:00	♅	21°38'54" ♀	21°40'19"	-01°30'05"	00°04'02"	9.298
27/08/2031 00:00:00	♁	26°40'39" ♀	23°31'11" ○	00°07'41"	00°01'50"	19.482
27/08/2031 00:00:00	♃	15°14'21" ♎	04°31'30"	-01°35'54"	-00°01'08"	29.087
27/08/2031 00:00:00	♁	11°57'53" ♎	-23°37'45" ○	-06°42'19"	-00°01'15"	35.936
27/08/2031 00:00:00	♋	22°32'12" ♍	-18°24'02"	00°00'00"	-00°01'27"	0.003
27/08/2031 00:00:00	♎	21°22'42" ♎	15°58'02"	-02°12'37"	-00°00'02"	16.365
27/08/2031 00:00:00	♁	21°08'00" ♋	17°26'44"	-04°22'44"	00°06'42"	0.003
27/08/2031 00:00:00	T♋	22°32'12" ♍	-18°24'02"	00°00'00"	-00°01'27"	0.003
27/08/2031 00:00:00	T♁	17°19'52" ♋	10°50'43"	-05°01'23"	-01°12'10"	0.003
27/08/2031 00:00:00	X	27°01'25" ♎	01°33'11"	-09°28'47"	-00°00'20"	94.407
27/08/2031 00:00:00	Y	05°48'23" ♀	09°42'18"	-11°44'03"	00°00'08"	81.673
28/08/2031 00:00:00	☉	04°31'30" ♍	09°50'56"	00°00'00"	00°57'54"	1.010

Ephemerides year 2031

28/08/2031 00:00:00	♃	03°44'30" ♁	-20°03'18"	03°19'36"	14°28'08"	0.002
28/08/2031 00:00:00	♆	16°28'45" ♁	15°07'25"	-00°48'25"	00°45'02"	0.873
28/08/2031 00:00:00	♀	10°28'03" ♁r	10°19'39"	-07°33'20"	-00°11'21"	0.327
28/08/2031 00:00:00	♂	01°33'13" ♀	-22°30'30"	-02°05'05"	00°35'20"	1.058
28/08/2031 00:00:00	♃	19°21'35" ♀	-22°44'54"	00°15'35"	00°02'11"	4.905
28/08/2031 00:00:00	♄	21°42'54" ♀	21°40'29"	-01°30'09"	00°03'57"	9.283
28/08/2031 00:00:00	♅	26°42'28" ♀	23°31'15" ♁	00°07'41"	00°01'48"	19.466
28/08/2031 00:00:00	♆	15°13'12" ♀r	04°31'01"	-01°35'57"	-00°01'09"	29.076
28/08/2031 00:00:00	♁	11°56'38" ♁r	-23°38'06" ♁	-06°42'19"	-00°01'14"	35.944
28/08/2031 00:00:00	♁	22°29'42" ♁r	-18°23'24"	00°00'00"	-00°03'40"	0.003
28/08/2031 00:00:00	♂	21°22'38" ♀r	15°57'48"	-02°12'50"	-00°00'05"	16.348
28/08/2031 00:00:00	♁	21°14'42" ♁	17°25'16"	-04°23'12"	00°06'42"	0.003
28/08/2031 00:00:00	T♁	22°29'42" ♁r	-18°23'24"	00°00'00"	-00°03'40"	0.003
28/08/2031 00:00:00	T♂	15°45'19" ♁r	11°19'32"	-05°00'14"	-01°50'30"	0.003
28/08/2031 00:00:00	X	27°01'05" ♀r	01°33'02"	-09°28'50"	-00°00'20"	94.393
28/08/2031 00:00:00	Y	05°48'30" ♀	09°42'11"	-11°44'11"	00°00'07"	81.656
29/08/2031 00:00:00	♁	05°29'26" ♁	09°29'45"	00°00'00"	00°57'56"	1.010
29/08/2031 00:00:00	♃	18°21'02" ♁	-18°02'29"	04°10'20"	14°44'10"	0.002
29/08/2031 00:00:00	♆	17°17'30" ♁	15°08'29"	-00°31'55"	00°52'25"	0.899

Ephemerides year 2031

29/08/2031 00:00:00	♀	10°17'54" ♏r	10°27'55"	-07°27'30"	-00°08'57"	0.332
29/08/2031 00:00:00	♂	02°08'40" ♏	-22°37'47"	-02°05'10"	00°35'32"	1.064
29/08/2031 00:00:00	♃	19°23'52" ♏	-22°45'14"	00°15'25"	00°02'22"	4.920
29/08/2031 00:00:00	♅	21°46'49" ♏	21°40'39"	-01°30'14"	00°03'51"	9.267
29/08/2031 00:00:00	♁	26°44'15" ♏	23°31'19" ○	00°07'42"	00°01'45"	19.450
29/08/2031 00:00:00	♃	15°12'01" ♏r	04°30'32"	-01°35'59"	-00°01'11"	29.065
29/08/2031 00:00:00	♁	11°55'24" ♏r	-23°38'27" ○	-06°42'19"	-00°01'13"	35.951
29/08/2031 00:00:00	♁	22°24'43" ♏r	-18°22'08"	00°00'00"	-00°06'17"	0.003
29/08/2031 00:00:00	♃	21°22'30" ♏r	15°57'33"	-02°13'03"	-00°00'09"	16.330
29/08/2031 00:00:00	♁	21°21'24" ♏	17°23'48"	-04°23'39"	00°06'42"	0.003
29/08/2031 00:00:00	T♁	22°24'43" ♏r	-18°22'08"	00°00'00"	-00°06'17"	0.003
29/08/2031 00:00:00	T♁	13°50'36" ♏r	11°53'49"	-04°58'35"	-01°54'11"	0.003
29/08/2031 00:00:00	X	27°00'44" ♏r	01°32'52"	-09°28'53"	-00°00'21"	94.380
29/08/2031 00:00:00	Y	05°48'37" ♏	09°42'04"	-11°44'20"	00°00'06"	81.638
30/08/2031 00:00:00	♁	06°27'23" ♏	09°08'26"	00°00'00"	00°57'57"	1.010
30/08/2031 00:00:00	♃	03°10'53" ♏	-14°48'53"	04°45'04"	14°54'21"	0.002
30/08/2031 00:00:00	♃	18°13'30" ♏	15°06'29"	-00°16'05"	00°59'32"	0.927
30/08/2031 00:00:00	♀	10°10'08" ♏r	10°35'58"	-07°21'15"	-00°06'32"	0.336
30/08/2031 00:00:00	♂	02°44'19" ♏	-22°44'57"	-02°05'13"	00°35'45"	1.070

Ephemerides year 2031

30/08/2031 00:00:00	♃	19°26'19" ♄	-22°45'36"	00°15'15"	00°02'33"	4.935
30/08/2031 00:00:00	♅	21°50'38" ♀	21°40'48"	-01°30'19"	00°03'46"	9.251
30/08/2031 00:00:00	♅	26°45'59" ♀	23°31'22" ♁	00°07'43"	00°01'42"	19.434
30/08/2031 00:00:00	♆	15°10'49" ♄	04°30'02"	-01°36'02"	-00°01'12"	29.055
30/08/2031 00:00:00	♁	11°54'11" ♁	-23°38'48" ♁	-06°42'19"	-00°01'13"	35.959
30/08/2031 00:00:00	♁	22°17'11" ♁	-18°20'12"	00°00'00"	-00°08'41"	0.003
30/08/2031 00:00:00	♆	21°22'19" ♄	15°57'18"	-02°13'16"	-00°00'13"	16.313
30/08/2031 00:00:00	♁	21°28'06" ♁	17°22'20"	-04°24'07"	00°06'42"	0.003
30/08/2031 00:00:00	♁	22°17'11" ♁	-18°20'12"	00°00'00"	-00°08'41"	0.003
30/08/2031 00:00:00	♁	12°02'44" ♄	12°25'17"	-04°56'50"	-01°40'33"	0.003
30/08/2031 00:00:00	X	27°00'22" ♄	01°32'42"	-09°28'56"	-00°00'21"	94.367
30/08/2031 00:00:00	Y	05°48'44" ♀	09°41'56"	-11°44'28"	00°00'05"	81.621
31/08/2031 00:00:00	♁	07°25'21" ♁	08°46'57"	00°00'00"	00°57'58"	1.010
31/08/2031 00:00:00	♁	18°07'03" ♁	-10°37'18"	05°00'42"	14°56'28"	0.002
31/08/2031 00:00:00	♁	19°16'28" ♄	15°01'20"	-00°01'00"	01°06'20"	0.954
31/08/2031 00:00:00	♁	10°04'48" ♄	10°43'47"	-07°14'35"	-00°04'09"	0.341
31/08/2031 00:00:00	♁	03°20'11" ♄	-22°52'00"	-02°05'16"	00°35'57"	1.076
31/08/2031 00:00:00	♃	19°28'58" ♄	-22°45'58"	00°15'05"	00°02'43"	4.949
31/08/2031 00:00:00	♅	21°54'21" ♀	21°40'57"	-01°30'24"	00°03'40"	9.235

Ephemerides year 2031

31/08/2031 00:00:00	♃	26°47'40" Ⅱ	23°31'26" ○	00°07'44"	00°01'39"	19.418
31/08/2031 00:00:00	♃	15°09'36" Ⅱ	04°29'31"	-01°36'04"	-00°01'13"	29.045
31/08/2031 00:00:00	♃	11°52'58" Ⅱ	-23°39'09" ○	-06°42'19"	-00°01'12"	35.967
31/08/2031 00:00:00	♃	22°07'36" Ⅱ	-18°17'45"	00°00'00"	-00°10'16"	0.003
31/08/2031 00:00:00	♃	21°22'04" Ⅱ	15°57'02"	-02°13'29"	-00°00'16"	16.296
31/08/2031 00:00:00	♃	21°34'48" Ⅱ	17°20'51"	-04°24'34"	00°06'42"	0.003
31/08/2031 00:00:00	♃	22°07'36" Ⅱ	-18°17'45"	00°00'00"	-00°10'16"	0.003
31/08/2031 00:00:00	♃	10°28'01" Ⅱ	12°52'10"	-04°55'15"	-01°31'00"	0.003
31/08/2031 00:00:00	♃	27°00'00" Ⅱ	01°32'31"	-09°28'58"	-00°00'22"	94.354
31/08/2031 00:00:00	♃	05°48'49" Ⅱ	09°41'49"	-11°44'37"	00°00'05"	81.604
01/09/2031 00:00:00	♃	08°23'20" Ⅱ	08°25'21"	00°00'00"	00°58'00"	1.009
01/09/2031 00:00:00	♃	03°00'44" Ⅱ	-05°47'31"	04°55'55"	14°49'22"	0.002
01/09/2031 00:00:00	♃	20°26'03" Ⅱ	14°52'57"	00°13'13"	01°12'45"	0.982
01/09/2031 00:00:00	♃	10°01'50" Ⅱ	10°51'19"	-07°07'34"	-00°01'46"	0.346
01/09/2031 00:00:00	♃	03°56'15" Ⅱ	-22°58'57"	-02°05'19"	00°36'09"	1.081
01/09/2031 00:00:00	♃	19°31'47" Ⅱ	-22°46'21"	00°14'56"	00°02'54"	4.964
01/09/2031 00:00:00	♃	21°57'59" Ⅱ	21°41'05"	-01°30'29"	00°03'35"	9.219
01/09/2031 00:00:00	♃	26°49'19" Ⅱ	23°31'29" ○	00°07'45"	00°01'37"	19.402
01/09/2031 00:00:00	♃	15°08'21" Ⅱ	04°29'01"	-01°36'06"	-00°01'15"	29.035

Ephemerides year 2031

01/09/2031 00:00:00	♁	11°51'46" ♁	-23°39'29" ♁	-06°42'18"	-00°01'11"	35.975
01/09/2031 00:00:00	♁	21°57'01" ♁	-18°15'01"	00°00'00"	-00°10'41"	0.003
01/09/2031 00:00:00	♁	21°21'45" ♁	15°56'44"	-02°13'42"	-00°00'20"	16.278
01/09/2031 00:00:00	♁	21°41'31" ♁	17°19'23"	-04°25'02"	00°06'42"	0.003
01/09/2031 00:00:00	♁	21°57'01" ♁	-18°15'01"	00°00'00"	-00°10'41"	0.003
01/09/2031 00:00:00	♁	08°54'47" ♁	13°17'49"	-04°53'46"	-01°38'50"	0.003
01/09/2031 00:00:00	X	26°59'37" ♁	01°32'21"	-09°29'01"	-00°00'22"	94.341
01/09/2031 00:00:00	Y	05°48'54" ♁	09°41'41"	-11°44'45"	00°00'04"	81.586
02/09/2031 00:00:00	♁	09°21'21" ♁	08°03'36"	00°00'00"	00°58'01"	1.009
02/09/2031 00:00:00	♁	17°42'51" ♁	-00°41'07"	04°31'32"	14°33'32"	0.002
02/09/2031 00:00:00	♁	21°41'50" ♁	14°41'21"	00°26'33"	01°18'45"	1.009
02/09/2031 00:00:00	♁	10°01'15" ♁	10°58'33"	-07°00'14"	00°00'35"	0.351
02/09/2031 00:00:00	♁	04°32'30" ♁	-23°05'47"	-02°05'20"	00°36'21"	1.087
02/09/2031 00:00:00	♁	19°34'47" ♁	-22°46'45"	00°14'46"	00°03'04"	4.979
02/09/2031 00:00:00	♁	22°01'32" ♁	21°41'13"	-01°30'34"	00°03'29"	9.203
02/09/2031 00:00:00	♁	26°50'54" ♁	23°31'32" ♁	00°07'46"	00°01'34"	19.385
02/09/2031 00:00:00	♁	15°07'05" ♁	04°28'29"	-01°36'09"	-00°01'16"	29.025
02/09/2031 00:00:00	♁	11°50'35" ♁	-23°39'49" ♁	-06°42'17"	-00°01'10"	35.984
02/09/2031 00:00:00	♁	21°46'38" ♁	-18°12'20"	00°00'00"	-00°09'51"	0.003

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02/09/2031 00:00:00	♄	21°21'23" ♄	15°56'26"	-02°13'55"	-00°00'23"	16.261
02/09/2031 00:00:00	♁	21°48'13" ♁	17°17'54"	-04°25'29"	00°06'42"	0.003
02/09/2031 00:00:00	T♄	21°46'38" ♄	-18°12'20"	00°00'00"	-00°09'51"	0.003
02/09/2031 00:00:00	T♁	07°04'01" ♁	13°47'21"	-04°51'57"	-02°05'14"	0.003
02/09/2031 00:00:00	X	26°59'14" ♄	01°32'11"	-09°29'04"	-00°00'23"	94.329
02/09/2031 00:00:00	Y	05°48'58" ♀	09°41'33"	-11°44'54"	00°00'03"	81.569
03/09/2031 00:00:00	♃	10°19'24" ♃	07°41'43"	00°00'00"	00°58'03"	1.009
03/09/2031 00:00:00	♃	02°05'33" ♄	04°21'10"	03°50'15"	14°10'57"	0.002
03/09/2031 00:00:00	♁	23°03'24" ♁	14°26'30"	00°38'56"	01°24'17"	1.037
03/09/2031 00:00:00	♁	10°03'00" ♁	11°05'27"	-06°52'37"	00°02'55"	0.356
03/09/2031 00:00:00	♂	05°08'58" ♂	-23°12'29"	-02°05'21"	00°36'33"	1.093
03/09/2031 00:00:00	♂	19°37'57" ♂	-22°47'09"	00°14'36"	00°03'15"	4.995
03/09/2031 00:00:00	♃	22°04'59" ♀	21°41'20"	-01°30'39"	00°03'24"	9.187
03/09/2031 00:00:00	♃	26°52'27" ♀	23°31'36" ○	00°07'47"	00°01'31"	19.369
03/09/2031 00:00:00	♁	15°05'48" ♄	04°27'57"	-01°36'11"	-00°01'17"	29.015
03/09/2031 00:00:00	♁	11°49'24" ♄	-23°40'08" ○	-06°42'16"	-00°01'10"	35.993
03/09/2031 00:00:00	♄	21°37'38" ♄	-18°10'00"	00°00'00"	-00°07'59"	0.003
03/09/2031 00:00:00	♄	21°20'57" ♄	15°56'07"	-02°14'08"	-00°00'27"	16.244
03/09/2031 00:00:00	♁	21°54'55" ♁	17°16'25"	-04°25'56"	00°06'42"	0.003

Ephemerides year 2031

03/09/2031 00:00:00	T♁	21°37'38" ♍	-18°10'00"	00°00'00"	-00°07'59"	0.003
03/09/2031 00:00:00	T♄	04°41'18" ♈	14°24'08"	-04°49'16"	-02°40'20"	0.003
03/09/2031 00:00:00	X	26°58'51" ♏	01°32'00"	-09°29'06"	-00°00'23"	94.316
03/09/2031 00:00:00	Y	05°49'01" ♀	09°41'26"	-11°45'02"	00°00'02"	81.552
04/09/2031 00:00:00	☉	11°17'28" ♍	07°19'43"	00°00'00"	00°58'05"	1.009
04/09/2031 00:00:00	☾	16°03'28" ♏	09°01'21"	02°56'03"	13°44'27"	0.003
04/09/2031 00:00:00	♃	24°30'17" ♈	14°08'29"	00°50'19"	01°29'21"	1.064
04/09/2031 00:00:00	♆	10°07'05" ♈	11°12'00"	-06°44'44"	00°05'12"	0.362
04/09/2031 00:00:00	♂	05°45'38" ♏	-23°19'05"	-02°05'21"	00°36'45"	1.099
04/09/2031 00:00:00	♁	19°41'18" ♏	-22°47'35"	00°14'27"	00°03'25"	5.010
04/09/2031 00:00:00	♅	22°08'20" ♀	21°41'27"	-01°30'44"	00°03'18"	9.171
04/09/2031 00:00:00	♁	26°53'57" ♀	23°31'39"	00°07'48"	00°01'28"	19.353
04/09/2031 00:00:00	♃	15°04'30" ♏	04°27'25"	-01°36'13"	-00°01'19"	29.006
04/09/2031 00:00:00	♁	11°48'15" ♏	-23°40'27"	-06°42'15"	-00°01'09"	36.002
04/09/2031 00:00:00	♁	21°30'50" ♍	-18°08'14"	00°00'00"	-00°05'32"	0.003
04/09/2031 00:00:00	♃	21°20'28" ♏	15°55'47"	-02°14'21"	-00°00'30"	16.227
04/09/2031 00:00:00	♄	22°01'37" ♎	17°14'56"	-04°26'23"	00°06'42"	0.003
04/09/2031 00:00:00	T♁	21°30'50" ♍	-18°08'14"	00°00'00"	-00°05'32"	0.003
04/09/2031 00:00:00	T♄	01°46'00" ♈	15°07'26"	-04°45'14"	-03°07'28"	0.003

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04/09/2031 00:00:00	X	26°58'26" ♄	01°31'49"	-09°29'08"	-00°00'24"	94.304
04/09/2031 00:00:00	Y	05°49'03" ♀	09°41'18"	-11°45'11"	00°00'02"	81.535
05/09/2031 00:00:00	☉	12°15'35" ♃	06°57'36"	00°00'00"	00°58'07"	1.008
05/09/2031 00:00:00	☾	29°34'10" ♄	13°05'06"	01°53'22"	13°17'02"	0.003
05/09/2031 00:00:00	♀	26°01'57" ♃	13°47'21"	01°00'39"	01°33'54"	1.090
05/09/2031 00:00:00	♀	10°13'24" ♃	11°18'11"	-06°36'38"	00°07'26"	0.367
05/09/2031 00:00:00	♂	06°22'29" ♂	-23°25'32"	-02°05'20"	00°36'56"	1.104
05/09/2031 00:00:00	♃	19°44'49" ♂	-22°48'00"	00°14'17"	00°03'36"	5.025
05/09/2031 00:00:00	♃	22°11'36" ♀	21°41'33"	-01°30'49"	00°03'12"	9.154
05/09/2031 00:00:00	♃	26°55'25" ♀	23°31'42"	00°07'49"	00°01'25"	19.336
05/09/2031 00:00:00	♃	15°03'10" ♄	04°26'53"	-01°36'15"	-00°01'20"	28.997
05/09/2031 00:00:00	♃	11°47'06" ♄	-23°40'45"	00°07'14"	-00°01'08"	36.011
05/09/2031 00:00:00	♃	21°26'34" ♃	-18°07'07"	00°00'00"	-00°03'01"	0.002
05/09/2031 00:00:00	♃	21°19'55" ♄	15°55'26"	-02°14'34"	-00°00'34"	16.210
05/09/2031 00:00:00	♃	22°08'19" ♃	17°13'27"	-04°26'50"	00°06'42"	0.003
05/09/2031 00:00:00	T♃	21°26'34" ♃	-18°07'07"	00°00'00"	-00°03'01"	0.002
05/09/2031 00:00:00	T♃	28°34'09" ♃	15°52'19"	-04°39'53"	-03°11'37"	0.003
05/09/2031 00:00:00	X	26°58'02" ♄	01°31'39"	-09°29'11"	-00°00'24"	94.292
05/09/2031 00:00:00	Y	05°49'05" ♀	09°41'09"	-11°45'19"	00°00'01"	81.518

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06/09/2031 00:00:00	☉	13°13'43" ♍	06°35'22"	00°00'00"	00°58'09"	1.008
06/09/2031 00:00:00	☾	12°38'06" ♋	16°21'55"	00°46'32"	12°51'16"	0.003
06/09/2031 00:00:00	♀	27°37'56" ♏	13°23'13"	01°09'57"	01°37'57"	1.116
06/09/2031 00:00:00	♀	10°21'57" ♏	11°23'57"	-06°28'20"	00°09'38"	0.373
06/09/2031 00:00:00	♂	06°59'32" ♏	-23°31'52"	o-02°05'19"	00°37'08"	1.110
06/09/2031 00:00:00	♃	19°48'30" ♏	-22°48'27"	00°14'08"	00°03'46"	5.040
06/09/2031 00:00:00	♅	22°14'46" ♌	21°41'39"	-01°30'54"	00°03'07"	9.138
06/09/2031 00:00:00	♁	26°56'49" ♌	23°31'44"	o 00°07'50"	00°01'23"	19.319
06/09/2031 00:00:00	♃	15°01'49" ♏	04°26'20"	-01°36'17"	-00°01'21"	28.988
06/09/2031 00:00:00	♁	11°45'58" ♏	-23°41'03"	o-06°42'12"	-00°01'07"	36.021
06/09/2031 00:00:00	♁	21°24'38" ♏	-18°06'37"	00°00'00"	-00°00'57"	0.002
06/09/2031 00:00:00	♃	21°19'19" ♋	15°55'04"	-02°14'47"	-00°00'37"	16.194
06/09/2031 00:00:00	♁	22°15'01" ♋	17°11'57"	-04°27'16"	00°06'42"	0.003
06/09/2031 00:00:00	T♁	21°24'38" ♏	-18°06'37"	00°00'00"	-00°00'57"	0.002
06/09/2031 00:00:00	T♁	25°31'57" ♋	16°32'24"	-04°33'53"	-02°48'39"	0.003
06/09/2031 00:00:00	X	26°57'37" ♏	01°31'28"	-09°29'13"	-00°00'25"	94.280
06/09/2031 00:00:00	Y	05°49'06" ♌	09°41'01"	-11°45'28"	00°00'00"	81.500
07/09/2031 00:00:00	☉	14°11'53" ♍	06°13'01"	00°00'00"	00°58'11"	1.008
07/09/2031 00:00:00	☾	25°17'54" ♋	18°44'53"	-00°20'44"	12°29'01"	0.003

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07/09/2031 00:00:00	♀	29°17'42" ♈	12°56'14"	01°18'12"	01°41'28"	1.141
07/09/2031 00:00:00	♀	10°32'40" ♈	11°29'19"	-06°19'52"	00°11'46"	0.379
07/09/2031 00:00:00	♂	07°36'46" ♉	-23°38'04"	0-02°05'17"	00°37'19"	1.116
07/09/2031 00:00:00	♈	19°52'23" ♉	-22°48'54"	00°13'58"	00°03'57"	5.055
07/09/2031 00:00:00	♁	22°17'50" ♀	21°41'44"	-01°30'59"	00°03'01"	9.122
07/09/2031 00:00:00	♁	26°58'11" ♀	23°31'47"	00°07'51"	00°01'20"	19.303
07/09/2031 00:00:00	♁	15°00'27" ♁	04°25'46"	-01°36'19"	-00°01'22"	28.979
07/09/2031 00:00:00	♁	11°44'51" ♁	-23°41'21"	0-06°42'10"	-00°01'06"	36.031
07/09/2031 00:00:00	♁	21°24'23" ♁	-18°06'33"	00°00'00"	00°00'16"	0.002
07/09/2031 00:00:00	♁	21°18'39" ♁	15°54'41"	-02°15'00"	-00°00'41"	16.177
07/09/2031 00:00:00	♁	22°21'43" ♁	17°10'28"	-04°27'43"	00°06'42"	0.003
07/09/2031 00:00:00	T♁	21°24'23" ♁	-18°06'33"	00°00'00"	00°00'16"	0.002
07/09/2031 00:00:00	T♁	23°03'01" ♁	17°03'16"	-04°28'18"	-02°07'17"	0.003
07/09/2031 00:00:00	X	26°57'11" ♁	01°31'17"	-09°29'15"	-00°00'25"	94.269
07/09/2031 00:00:00	Y	05°49'06" ♁	09°40'53"	-11°45'36"	-00°00'00"	81.483
08/09/2031 00:00:00	♁	15°10'06" ♁	05°50'34"	-00°00'00"	00°58'13"	1.008
08/09/2031 00:00:00	♁	07°37'43" ♀	20°10'24"	-01°25'21"	12°11'28"	0.003
08/09/2031 00:00:00	♀	01°00'43" ♁	12°26'33"	01°25'24"	01°44'29"	1.165
08/09/2031 00:00:00	♀	10°45'30" ♈	11°34'16"	-06°11'15"	00°13'51"	0.385

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08/09/2031 00:00:00	♂	08°14'11" ♂	-23°44'07" ♀	-02°05'14"	00°37'30"	1.121
08/09/2031 00:00:00	♃	19°56'25" ♂	-22°49'21"	00°13'49"	00°04'07"	5.070
08/09/2031 00:00:00	♅	22°20'48" ♀	21°41'49"	-01°31'04"	00°02'55"	9.105
08/09/2031 00:00:00	♁	26°59'30" ♀	23°31'50" ♀	00°07'52"	00°01'17"	19.286
08/09/2031 00:00:00	♃	14°59'04" ♀	04°25'12"	-01°36'21"	-00°01'23"	28.971
08/09/2031 00:00:00	♁	11°43'45" ♀	-23°41'38" ♀	-06°42'09"	-00°01'05"	36.041
08/09/2031 00:00:00	♁	21°24'51" ♀	-18°06'40"	00°00'00"	00°00'28"	0.002
08/09/2031 00:00:00	♃	21°17'56" ♀	15°54'17"	-02°15'13"	-00°00'44"	16.160
08/09/2031 00:00:00	♁	22°28'26" ♀	17°08'58"	-04°28'09"	00°06'42"	0.003
08/09/2031 00:00:00	♁	21°24'51" ♀	-18°06'40"	00°00'00"	00°00'28"	0.002
08/09/2031 00:00:00	♁	21°18'41" ♀	17°23'52"	-04°24'00"	-01°21'51"	0.003
08/09/2031 00:00:00	X	26°56'46" ♀	01°31'06"	-09°29'17"	-00°00'26"	94.257
08/09/2031 00:00:00	Y	05°49'05" ♀	09°40'44"	-11°45'45"	-00°00'00"	81.466
09/09/2031 00:00:00	♁	16°08'20" ♀	05°28'01"	-00°00'00"	00°58'15"	1.007
09/09/2031 00:00:00	♁	19°42'35" ♀	20°37'39"	-02°24'51"	11°59'07"	0.003
09/09/2031 00:00:00	♁	02°46'30" ♀	11°54'21"	01°31'33"	01°47'00"	1.188
09/09/2031 00:00:00	♀	11°00'22" ♀	11°38'45"	-06°02'31"	00°15'52"	0.391
09/09/2031 00:00:00	♂	08°51'47" ♂	-23°50'02" ♀	-02°05'10"	00°37'41"	1.127
09/09/2031 00:00:00	♃	20°00'37" ♂	-22°49'50"	00°13'39"	00°04'17"	5.086

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09/09/2031 00:00:00	♃	22°23'41" ♀	21°41'54"	-01°31'10"	00°02'49"	9.089
09/09/2031 00:00:00	♃	27°00'46" ♀	23°31'53" ♀	00°07'53"	00°01'14"	19.269
09/09/2031 00:00:00	♃	14°57'40" ♀	04°24'38"	-01°36'23"	-00°01'24"	28.963
09/09/2031 00:00:00	♃	11°42'40" ♀	-23°41'55" ♀	-06°42'07"	-00°01'04"	36.051
09/09/2031 00:00:00	♃	21°24'59" ♀	-18°06'42"	00°00'00"	-00°00'22"	0.002
09/09/2031 00:00:00	♃	21°17'10" ♀	15°53'53"	-02°15'26"	-00°00'48"	16.144
09/09/2031 00:00:00	♃	22°35'08" ♀	17°07'28"	-04°28'36"	00°06'42"	0.003
09/09/2031 00:00:00	♃	21°24'59" ♀	-18°06'42"	00°00'00"	-00°00'22"	0.002
09/09/2031 00:00:00	♃	20°16'35" ♀	17°35'46"	-04°21'14"	-00°44'24"	0.003
09/09/2031 00:00:00	X	26°56'19" ♀	01°30'55"	-09°29'19"	-00°00'26"	94.246
09/09/2031 00:00:00	Y	05°49'04" ♀	09°40'36"	-11°45'53"	-00°00'01"	81.449
10/09/2031 00:00:00	♃	17°06'37" ♀	05°05'22"	-00°00'00"	00°58'17"	1.007
10/09/2031 00:00:00	♃	01°37'44" ♀	20°08'13"	-03°17'12"	11°52'03"	0.003
10/09/2031 00:00:00	♃	04°34'34" ♀	11°19'51"	01°36'43"	01°49'03"	1.209
10/09/2031 00:00:00	♃	11°17'13" ♀	11°42'48"	-05°53'41"	00°17'49"	0.397
10/09/2031 00:00:00	♃	09°29'34" ♀	-23°55'48" ♀	-02°05'06"	00°37'52"	1.133
10/09/2031 00:00:00	♃	20°05'00" ♀	-22°50'19"	00°13'30"	00°04'27"	5.101
10/09/2031 00:00:00	♃	22°26'28" ♀	21°41'58"	-01°31'15"	00°02'43"	9.072
10/09/2031 00:00:00	♃	27°01'59" ♀	23°31'55" ♀	00°07'54"	00°01'11"	19.253

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10/09/2031 00:00:00	♁	14°56'15" ♄	04°24'04"	-01°36'25"	-00°01'25"	28.955
10/09/2031 00:00:00	♁	11°41'36" ♄	-23°42'11"	♁ -06°42'04"	-00°01'03"	36.062
10/09/2031 00:00:00	♁	21°23'49" ♄	-18°06'24"	00°00'00"	-00°02'05"	0.002
10/09/2031 00:00:00	♁	21°16'20" ♄	15°53'27"	-02°15'39"	-00°00'51"	16.128
10/09/2031 00:00:00	♁	22°41'50" ♄	17°05'58"	-04°29'02"	00°06'42"	0.003
10/09/2031 00:00:00	T♁	21°23'49" ♄	-18°06'24"	00°00'00"	-00°02'05"	0.002
10/09/2031 00:00:00	T♁	19°44'56" ♄	17°41'47"	-04°19'43"	-00°21'33"	0.003
10/09/2031 00:00:00	X	26°55'53" ♄	01°30'44"	-09°29'21"	-00°00'26"	94.235
10/09/2031 00:00:00	Y	05°49'02" ♄	09°40'27"	-11°46'01"	-00°00'02"	81.432
11/09/2031 00:00:00	♁	18°04'55" ♄	04°42'38"	-00°00'00"	00°58'19"	1.007
11/09/2031 00:00:00	♁	13°28'21" ♄	18°45'37"	-04°00'41"	11°49'58"	0.003
11/09/2031 00:00:00	♁	06°24'28" ♄	10°43'14"	01°40'54"	01°50'40"	1.230
11/09/2031 00:00:00	♁	11°36'00" ♄	11°46'22"	-05°44'45"	00°19'43"	0.403
11/09/2031 00:00:00	♁	10°07'33" ♄	-24°01'25"	♁ -02°05'01"	00°38'03"	1.139
11/09/2031 00:00:00	♁	20°09'33" ♄	-22°50'48"	00°13'21"	00°04'37"	5.116
11/09/2031 00:00:00	♁	22°29'08" ♄	21°42'02"	-01°31'20"	00°02'37"	9.056
11/09/2031 00:00:00	♁	27°03'09" ♄	23°31'58"	♁ 00°07'55"	00°01'08"	19.236
11/09/2031 00:00:00	♁	14°54'49" ♄	04°23'29"	-01°36'27"	-00°01'26"	28.947
11/09/2031 00:00:00	♁	11°40'33" ♄	-23°42'27"	♁ -06°42'02"	-00°01'02"	36.072

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11/09/2031 00:00:00	♏	21°20'37" ♎	-18°05'34"	00°00'00"	-00°04'22"	0.002
11/09/2031 00:00:00	♋	21°15'26" ♉	15°53'01"	-02°15'52"	-00°00'55"	16.111
11/09/2031 00:00:00	♌	22°48'32" ♈	17°04'28"	-04°29'28"	00°06'42"	0.003
11/09/2031 00:00:00	♏	21°20'37" ♎	-18°05'34"	00°00'00"	-00°04'22"	0.002
11/09/2031 00:00:00	♌	19°28'04" ♈	17°45'00"	-04°18'51"	-00°14'46"	0.003
11/09/2031 00:00:00	X	26°55'26" ♏	01°30'32"	-09°29'23"	-00°00'27"	94.224
11/09/2031 00:00:00	Y	05°49'00" ♏	09°40'19"	-11°46'10"	-00°00'03"	81.415
12/09/2031 00:00:00	♏	19°03'16" ♎	04°19'49"	-00°00'00"	00°58'21"	1.007
12/09/2031 00:00:00	♎	25°19'10" ♋	16°34'46"	-04°33'47"	11°52'18"	0.003
12/09/2031 00:00:00	♎	08°15'47" ♎	10°04'44"	01°44'09"	01°51'54"	1.249
12/09/2031 00:00:00	♋	11°56'39" ♉	11°49'28"	-05°35'45"	00°21'33"	0.409
12/09/2031 00:00:00	♏	10°45'41" ♎	-24°06'53"	-02°04'55"	00°38'14"	1.144
12/09/2031 00:00:00	♉	20°14'16" ♈	-22°51'18"	00°13'12"	00°04'47"	5.132
12/09/2031 00:00:00	♏	22°31'43" ♎	21°42'05"	-01°31'26"	00°02'31"	9.039
12/09/2031 00:00:00	♏	27°04'16" ♎	23°32'00"	00°07'56"	00°01'05"	19.219
12/09/2031 00:00:00	♏	14°53'22" ♎	04°22'53"	-01°36'29"	-00°01'27"	28.940
12/09/2031 00:00:00	♏	11°39'31" ♎	-23°42'42"	-06°42'00"	-00°01'01"	36.083
12/09/2031 00:00:00	♏	21°15'02" ♎	-18°04'06"	00°00'00"	-00°06'47"	0.002
12/09/2031 00:00:00	♋	21°14'29" ♉	15°52'34"	-02°16'04"	-00°00'58"	16.095

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12/09/2031 00:00:00	☾	22°55'15" ♉	17°02'58"	-04°29'54"	00°06'42"	0.003	
12/09/2031 00:00:00	♁	21°15'02" ♎	-18°04'06"		00°00'00"	-00°06'47"	0.002
12/09/2031 00:00:00	♁	19°10'59" ♉	17°48'09"	-04°18'03"	-00°21'05"	0.003	
12/09/2031 00:00:00	X	26°54'58" ♎	01°30'21"	-09°29'25"	-00°00'27"	94.214	
12/09/2031 00:00:00	Y	05°48'56" ♉	09°40'10"	-11°46'18"	-00°00'03"	81.398	
13/09/2031 00:00:00	☉	20°01'38" ♎	03°56'56"	-00°00'00"	00°58'23"	1.006	
13/09/2031 00:00:00	☾	07°14'12" ♎	13°41'42"	-04°55'12"	11°58'18"	0.003	
13/09/2031 00:00:00	♀	10°08'09" ♎	09°24'33"	01°46'30"	01°52'46"	1.268	
13/09/2031 00:00:00	♀	12°19'06" ♎	11°52'05"	-05°26'43"	00°23'19"	0.416	
13/09/2031 00:00:00	♂	11°24'01" ♎	-24°12'11"	0-02°04'49"	00°38'24"	1.150	
13/09/2031 00:00:00	♂	20°19'09" ♎	-22°51'48"	00°13'03"	00°04'57"	5.147	
13/09/2031 00:00:00	♃	22°34'11" ♉	21°42'08"	-01°31'31"	00°02'25"	9.023	
13/09/2031 00:00:00	♃	27°05'20" ♉	23°32'03"	00°07'57"	00°01'02"	19.202	
13/09/2031 00:00:00	♃	14°51'54" ♎	04°22'18"	-01°36'31"	-00°01'28"	28.933	
13/09/2031 00:00:00	♃	11°38'30" ♎	-23°42'57"	0-06°41'57"	-00°01'00"	36.095	
13/09/2031 00:00:00	♁	21°07'07" ♎	-18°02'02"	00°00'00"	-00°08'57"	0.002	
13/09/2031 00:00:00	♃	21°13'28" ♎	15°52'06"	-02°16'17"	-00°01'02"	16.079	
13/09/2031 00:00:00	☾	23°01'57" ♉	17°01'27"	-04°30'19"	00°06'42"	0.003	
13/09/2031 00:00:00	♁	21°07'07" ♎	-18°02'02"		00°00'00"	-00°08'57"	0.002

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13/09/2031 00:00:00	T♄	18°44'00" ♉	17°52'54"	-04°16'57"	-00°32'53"	0.003
13/09/2031 00:00:00	X	26°54'30" ♏	01°30'10"	-09°29'27"	-00°00'28"	94.203
13/09/2031 00:00:00	Y	05°48'52" ♋	09°40'01"	-11°46'27"	-00°00'04"	81.382
14/09/2031 00:00:00	☉	21°00'03" ♍	03°33'58"	-00°00'00"	00°58'25"	1.006
14/09/2031 00:00:00	☾	19°16'43" ♋	10°13'17"	-05°03'48"	12°07'06"	0.003
14/09/2031 00:00:00	♀	12°01'14" ♍	08°42'54"	01°48'01"	01°53'19"	1.284
14/09/2031 00:00:00	♀	12°43'18" ♋	11°54'12"	-05°17'38"	00°25'02"	0.422
14/09/2031 00:00:00	♂	12°02'31" ♏	-24°17'20"	0-02°04'41"	00°38'34"	1.156
14/09/2031 00:00:00	♃	20°24'11" ♏	-22°52'19"	00°12'54"	00°05'07"	5.162
14/09/2031 00:00:00	♅	22°36'33" ♋	21°42'10"	-01°31'36"	00°02'19"	9.006
14/09/2031 00:00:00	♁	27°06'21" ♋	23°32'05"	00°07'58"	00°00'59"	19.185
14/09/2031 00:00:00	♃	14°50'25" ♏	04°21'42"	-01°36'32"	-00°01'29"	28.926
14/09/2031 00:00:00	♁	11°37'30" ♏	-23°43'12"	0-06°41'54"	-00°00'59"	36.106
14/09/2031 00:00:00	♁	20°57'20" ♍	-17°59'27"	00°00'00"	-00°10'27"	0.002
14/09/2031 00:00:00	♃	21°12'24" ♉	15°51'37"	-02°16'30"	-00°01'05"	16.064
14/09/2031 00:00:00	♁	23°08'39" ♉	16°59'56"	-04°30'45"	00°06'42"	0.003
14/09/2031 00:00:00	T♁	20°57'20" ♍	-17°59'27"	00°00'00"	-00°10'27"	0.002
14/09/2031 00:00:00	T♄	18°07'28" ♉	17°59'04"	-04°15'34"	-00°37'47"	0.003
14/09/2031 00:00:00	X	26°54'01" ♏	01°29'58"	-09°29'28"	-00°00'28"	94.193

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14/09/2031 00:00:00	Y	05°48'47" ♀	09°39'52"	-11°46'35"	-00°00'05"	81.365
15/09/2031 00:00:00	☉	21°58'29" ♍	03°10'57"	-00°00'00"	00°58'27"	1.006
15/09/2031 00:00:00	☾	01°29'03" ♍	06°17'13"	-04°58'44"	12°17'46"	0.003
15/09/2031 00:00:00	♀	13°54'43" ♍	07°59'58"	01°48'44"	01°53'36"	1.300
15/09/2031 00:00:00	♀	13°09'10" ♋	11°55'49"	-05°08'31"	00°26'41"	0.429
15/09/2031 00:00:00	♂	12°41'11" ♎	-24°22'19"	o-02°04'34"	00°38'45"	1.161
15/09/2031 00:00:00	♃	20°29'24" ♎	-22°52'51"	00°12'45"	00°05'17"	5.178
15/09/2031 00:00:00	♅	22°38'49" ♋	21°42'12"	-01°31'42"	00°02'12"	8.990
15/09/2031 00:00:00	♁	27°07'19" ♋	23°32'07"	o 00°07'59"	00°00'56"	19.168
15/09/2031 00:00:00	♃	14°48'55" ♎	04°21'06"	-01°36'34"	-00°01'30"	28.920
15/09/2031 00:00:00	♁	11°36'31" ♎	-23°43'26"	o-06°41'51"	-00°00'58"	36.118
15/09/2031 00:00:00	♋	20°46'30" ♍	-17°56'36"	00°00'00"	-00°11'02"	0.003
15/09/2031 00:00:00	♅	21°11'17" ♎	15°51'08"	-02°16'42"	-00°01'09"	16.048
15/09/2031 00:00:00	♁	23°15'22" ♋	16°58'26"	-04°31'11"	00°06'42"	0.003
15/09/2031 00:00:00	T♋	20°46'30" ♍	-17°56'36"	00°00'00"	-00°11'02"	0.003
15/09/2031 00:00:00	T♁	17°35'39" ♋	18°04'04"	-04°14'38"	-00°21'10"	0.003
15/09/2031 00:00:00	X	26°53'33" ♎	01°29'47"	-09°29'30"	-00°00'29"	94.184
15/09/2031 00:00:00	Y	05°48'41" ♀	09°39'43"	-11°46'43"	-00°00'06"	81.348
16/09/2031 00:00:00	☉	22°56'58" ♍	02°47'52"	-00°00'00"	00°58'29"	1.006

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16/09/2031 00:00:00	♃	13°52'37" ♃	02°02'08"	-04°39'38"	12°29'27"	0.003
16/09/2031 00:00:00	♆	15°48'21" ♃	07°15'57"	01°48'42"	01°53'38"	1.314
16/09/2031 00:00:00	♀	13°36'39" ♀	11°56'56"	-04°59'24"	00°28'16"	0.435
16/09/2031 00:00:00	♂	13°20'01" ♂	-24°27'07"	0-02°04'25"	00°38'55"	1.167
16/09/2031 00:00:00	♃	20°34'46" ♂	-22°53'23"	00°12'36"	00°05'27"	5.193
16/09/2031 00:00:00	♃	22°40'59" ♃	21°42'14"	-01°31'47"	00°02'06"	8.973
16/09/2031 00:00:00	♃	27°08'14" ♃	23°32'10"	00°08'00"	00°00'53"	19.151
16/09/2031 00:00:00	♃	14°47'24" ♃	04°20'29"	-01°36'35"	-00°01'31"	28.914
16/09/2031 00:00:00	♃	11°35'33" ♃	-23°43'40"	0-06°41'48"	-00°00'57"	36.130
16/09/2031 00:00:00	♃	20°35'35" ♃	-17°53'42"	00°00'00"	-00°10'35"	0.003
16/09/2031 00:00:00	♃	21°10'06" ♃	15°50'37"	-02°16'55"	-00°01'12"	16.032
16/09/2031 00:00:00	♃	23°22'04" ♃	16°56'55"	-04°31'36"	00°06'42"	0.003
16/09/2031 00:00:00	♃	20°35'35" ♃	-17°53'42"	00°00'00"	-00°10'35"	0.003
16/09/2031 00:00:00	♃	17°35'42" ♃	18°03'18"	-04°15'24"	00°26'46"	0.003
16/09/2031 00:00:00	X	26°53'03" ♃	01°29'35"	-09°29'31"	-00°00'29"	94.174
16/09/2031 00:00:00	Y	05°48'35" ♃	09°39'34"	-11°46'51"	-00°00'06"	81.332
17/09/2031 00:00:00	♃	23°55'28" ♃	02°24'43"	-00°00'00"	00°58'31"	1.005
17/09/2031 00:00:00	♃	26°28'03" ♃	-02°22'10"	-04°06'41"	12°41'26"	0.003
17/09/2031 00:00:00	♆	17°41'55" ♃	06°31'02"	01°47'59"	01°53'28"	1.328

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17/09/2031 00:00:00	♀	14°05'43" ♋	11°57'31"	-04°50'17"	00°29'48"	0.442
17/09/2031 00:00:00	♂	13°59'01" ♌	-24°31'46"	o-02°04'16"	00°39'05"	1.173
17/09/2031 00:00:00	♃	20°40'18" ♌	-22°53'55"	00°12'27"	00°05'36"	5.208
17/09/2031 00:00:00	♅	22°43'02" ♌	21°42'15"	-01°31'53"	00°02'00"	8.957
17/09/2031 00:00:00	♁	27°09'06" ♌	23°32'12"	o 00°08'01"	00°00'50"	19.134
17/09/2031 00:00:00	♃	14°45'52" ♌	04°19'52"	-01°36'37"	-00°01'32"	28.908
17/09/2031 00:00:00	♁	11°34'37" ♌	-23°43'53"	o-06°41'45"	-00°00'56"	36.142
17/09/2031 00:00:00	♋	20°25'37" ♌	-17°51'03"	00°00'00"	-00°09'10"	0.003
17/09/2031 00:00:00	♃	21°08'51" ♌	15°50'06"	-02°17'07"	-00°01'15"	16.017
17/09/2031 00:00:00	♁	23°28'46" ♌	16°55'24"	-04°32'01"	00°06'42"	0.003
17/09/2031 00:00:00	T♋	20°25'37" ♌	-17°51'03"	00°00'00"	-00°09'10"	0.003
17/09/2031 00:00:00	T♁	18°39'06" ♌	17°51'13"	-04°19'18"	01°44'01"	0.003
17/09/2031 00:00:00	X	26°52'34" ♌	01°29'23"	-09°29'33"	-00°00'29"	94.165
17/09/2031 00:00:00	Y	05°48'27" ♌	09°39'25"	-11°46'59"	-00°00'07"	81.315
18/09/2031 00:00:00	♁	24°54'00" ♌	02°01'32"	-00°00'00"	00°58'33"	1.005
18/09/2031 00:00:00	♃	09°15'25" ♌	-06°44'39"	-03°20'50"	12°53'15"	0.003
18/09/2031 00:00:00	♁	19°35'14" ♌	05°45'22"	01°46'37"	01°53'07"	1.340
18/09/2031 00:00:00	♀	14°36'16" ♋	11°57'36"	-04°41'11"	00°31'17"	0.449
18/09/2031 00:00:00	♂	14°38'11" ♌	-24°36'13"	o-02°04'06"	00°39'14"	1.178

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18/09/2031 00:00:00	♃	20°45'59" ♄	-22°54'27"	00°12'18"	00°05'46"	5.223
18/09/2031 00:00:00	♅	22°44'59" ♀	21°42'16"	-01°31'58"	00°01'53"	8.940
18/09/2031 00:00:00	♁	27°09'54" ♀	23°32'14" ○	00°08'02"	00°00'47"	19.117
18/09/2031 00:00:00	♆	14°44'19" ♄	04°19'15"	-01°36'38"	-00°01'32"	28.902
18/09/2031 00:00:00	♁	11°33'41" ☿	-23°44'05" ○	-06°41'41"	-00°00'54"	36.155
18/09/2031 00:00:00	♁	20°17'28" ♃	-17°48'53"	00°00'00"	-00°07'01"	0.003
18/09/2031 00:00:00	♃	21°07'34" ♄	15°49'34"	-02°17'20"	-00°01'19"	16.002
18/09/2031 00:00:00	♁	23°35'28" ♃	16°53'52"	-04°32'26"	00°06'42"	0.003
18/09/2031 00:00:00	T♁	20°17'28" ♃	-17°48'53"	00°00'00"	-00°07'01"	0.003
18/09/2031 00:00:00	T♁	21°08'41" ♃	17°22'28"	-04°26'56"	03°15'50"	0.003
18/09/2031 00:00:00	X	26°52'04" ♄	01°29'12"	-09°29'34"	-00°00'30"	94.156
18/09/2031 00:00:00	Y	05°48'19" ♀	09°39'15"	-11°47'08"	-00°00'08"	81.299
19/09/2031 00:00:00	♁	25°52'34" ♃	01°38'19"	-00°00'00"	00°58'34"	1.005
19/09/2031 00:00:00	♁	22°14'27" ♀	-10°52'51"	-02°23'49"	13°04'45"	0.003
19/09/2031 00:00:00	♁	21°28'08" ♃	04°59'06"	01°44'39"	01°52'39"	1.351
19/09/2031 00:00:00	♁	15°08'17" ♄	11°57'09"	-04°32'06"	00°32'43"	0.455
19/09/2031 00:00:00	♁	15°17'31" ♄	-24°40'31" ○	-02°03'55"	00°39'24"	1.184
19/09/2031 00:00:00	♃	20°51'50" ♄	-22°55'00"	00°12'09"	00°05'55"	5.239
19/09/2031 00:00:00	♅	22°46'50" ♀	21°42'16"	-01°32'04"	00°01'47"	8.924

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19/09/2031 00:00:00	♃	27°10'40" ♀	23°32'16" ♀	00°08'03"	00°00'44"	19.099
19/09/2031 00:00:00	♃	14°42'46" ♀	04°18'38"	-01°36'40"	-00°01'33"	28.897
19/09/2031 00:00:00	♃	11°32'47" ♀	-23°44'18" ♀	-06°41'38"	-00°00'53"	36.167
19/09/2031 00:00:00	♃	20°11'41" ♀	-17°47'20"	00°00'00"	-00°04'30"	0.003
19/09/2031 00:00:00	♃	21°06'13" ♀	15°49'01"	-02°17'32"	-00°01'22"	15.987
19/09/2031 00:00:00	♃	23°42'10" ♀	16°52'21"	-04°32'51"	00°06'42"	0.003
19/09/2031 00:00:00	♃	20°11'41" ♀	-17°47'20"	00°00'00"	-00°04'30"	0.003
19/09/2031 00:00:00	♃	25°08'22" ♀	16°33'01"	-04°37'31"	04°40'20"	0.003
19/09/2031 00:00:00	♃	26°51'33" ♀	01°29'00"	-09°29'35"	-00°00'30"	94.147
19/09/2031 00:00:00	♃	05°48'11" ♀	09°39'06"	-11°47'16"	-00°00'09"	81.283
20/09/2031 00:00:00	♃	26°51'10" ♀	01°15'03"	-00°00'00"	00°58'36"	1.005
20/09/2031 00:00:00	♃	05°24'51" ♀	-14°33'09"	-01°18'13"	13°16'03"	0.003
20/09/2031 00:00:00	♃	23°20'30" ♀	04°12'22"	01°42'08"	01°52'03"	1.361
20/09/2031 00:00:00	♃	15°41'41" ♀	11°56'11"	-04°23'02"	00°34'05"	0.462
20/09/2031 00:00:00	♃	15°57'01" ♀	-24°44'37" ♀	-02°03'44"	00°39'34"	1.190
20/09/2031 00:00:00	♃	20°57'51" ♀	-22°55'34"	00°12'00"	00°06'05"	5.254
20/09/2031 00:00:00	♃	22°48'34" ♀	21°42'17"	-01°32'09"	00°01'41"	8.907
20/09/2031 00:00:00	♃	27°11'23" ♀	23°32'17" ♀	00°08'04"	00°00'41"	19.082
20/09/2031 00:00:00	♃	14°41'12" ♀	04°18'01"	-01°36'41"	-00°01'34"	28.891

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20/09/2031 00:00:00	♁	11°31'54" ♁r	-23°44'29"	♁-06°41'34"	-00°00'52"	36.180
20/09/2031 00:00:00	♁	20°08'25" ♁r	-17°46'28"	00°00'00"	-00°02'04"	0.003
20/09/2031 00:00:00	♁	21°04'49" ♂r	15°48'27"	-02°17'45"	-00°01'25"	15.972
20/09/2031 00:00:00	♁	23°48'53" ♁	16°50'49"	-04°33'16"	00°06'42"	0.003
20/09/2031 00:00:00	♁	20°08'25" ♁r	-17°46'28"	00°00'00"	-00°02'04"	0.003
20/09/2031 00:00:00	♁	00°19'18" ♁	15°22'16"	-04°48'50"	05°34'47"	0.003
20/09/2031 00:00:00	X	26°51'02" ♁r	01°28'48"	-09°29'36"	-00°00'30"	94.138
20/09/2031 00:00:00	Y	05°48'01" ♁r	09°38'56"	-11°47'24"	-00°00'09"	81.266
21/09/2031 00:00:00	♁	27°49'48" ♁	00°51'46"	00°00'00"	00°58'38"	1.004
21/09/2031 00:00:00	♁	18°46'35" ♁	-17°31'14"	-00°07'14"	13°27'25"	0.003
21/09/2031 00:00:00	♁	25°12'14" ♁	03°25'18"	01°39'07"	01°51'22"	1.369
21/09/2031 00:00:00	♁	16°16'27" ♁	11°54'41"	-04°14'01"	00°35'24"	0.469
21/09/2031 00:00:00	♁	16°36'39" ♁	-24°48'32"	♁-02°03'32"	00°39'43"	1.195
21/09/2031 00:00:00	♁	21°04'00" ♁	-22°56'07"	00°11'52"	00°06'14"	5.269
21/09/2031 00:00:00	♁	22°50'12" ♁	21°42'16"	-01°32'15"	00°01'34"	8.891
21/09/2031 00:00:00	♁	27°12'02" ♁	23°32'19"	♁ 00°08'05"	00°00'37"	19.065
21/09/2031 00:00:00	♁	14°39'38" ♁r	04°17'23"	-01°36'42"	-00°01'34"	28.887
21/09/2031 00:00:00	♁	11°31'02" ♁r	-23°44'40"	♁-06°41'30"	-00°00'51"	36.193
21/09/2031 00:00:00	♁	20°07'22" ♁r	-17°46'11"	00°00'00"	-00°00'08"	0.003

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21/09/2031 00:00:00	♄	21°03'21" ♎	15°47'52"	-02°17'57"	-00°01'28"	15.957
21/09/2031 00:00:00	♁	23°55'35" ♉	16°49'17"	-04°33'41"	00°06'42"	0.003
21/09/2031 00:00:00	♁	20°07'22" ♎	-17°46'11"		00°00'00" -00°00'08"	0.003
21/09/2031 00:00:00	♁	06°01'45" ♎	13°56'16"		-04°58'22" 05°41'02"	0.003
21/09/2031 00:00:00	X	26°50'31" ♎	01°28'36"		-09°29'37" -00°00'31"	94.130
21/09/2031 00:00:00	Y	05°47'51" ♎	09°38'47"		-11°47'32" -00°00'10"	81.250
22/09/2031 00:00:00	♁	28°48'27" ♎	00°28'27"	00°00'00"	00°58'40"	1.004
22/09/2031 00:00:00	♁	02°19'50" ♎	-19°33'21"	01°05'16"	13°39'08"	0.003
22/09/2031 00:00:00	♁	27°03'14" ♎	02°38'01"	01°35'37"	01°50'36"	1.377
22/09/2031 00:00:00	♁	16°52'30" ♎	11°52'39"	-04°05'02"	00°36'41"	0.476
22/09/2031 00:00:00	♁	17°16'27" ♎	-24°52'15"	0-02°03'19"	00°39'52"	1.201
22/09/2031 00:00:00	♁	21°10'19" ♎	-22°56'41"	00°11'43"	00°06'23"	5.284
22/09/2031 00:00:00	♁	22°51'43" ♎	21°42'16"	-01°32'20"	00°01'28"	8.874
22/09/2031 00:00:00	♁	27°12'39" ♎	23°32'21"	00°08'06"	00°00'34"	19.048
22/09/2031 00:00:00	♁	14°38'02" ♎	04°16'45"	-01°36'44"	-00°01'35"	28.882
22/09/2031 00:00:00	♁	11°30'12" ♎	-23°44'51"	0-06°41'27"	-00°00'49"	36.206
22/09/2031 00:00:00	♁	20°07'50" ♎	-17°46'18"	00°00'00"	00°00'56"	0.003
22/09/2031 00:00:00	♄	21°01'51" ♎	15°47'17"	-02°18'09"	-00°01'32"	15.943
22/09/2031 00:00:00	♁	24°02'18" ♉	16°47'45"	-04°34'05"	00°06'42"	0.003

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22/09/2031 00:00:00	T♁	20°07'50" ♎	-17°46'18"	00°00'00"	00°00'56"	0.003
22/09/2031 00:00:00	T♁	11°22'42" ♎	12°28'43"	-05°04'29"	04°51'51"	0.003
22/09/2031 00:00:00	X	26°50'00" ♎	01°28'25"	-09°29'38"	-00°00'31"	94.122
22/09/2031 00:00:00	Y	05°47'40" ♎	09°38'37"	-11°47'40"	-00°00'11"	81.234
23/09/2031 00:00:00	☉	29°47'08" ♎	00°05'06"	00°00'00"	00°58'42"	1.004
23/09/2031 00:00:00	☾	16°05'01" ♎	-20°27'58"	02°15'08"	13°51'16"	0.002
23/09/2031 00:00:00	♃	28°53'26" ♎	01°50'37"	01°31'43"	01°49'48"	1.384
23/09/2031 00:00:00	♀	17°29'48" ♎	11°50'05"	-03°56'06"	00°37'54"	0.483
23/09/2031 00:00:00	♂	17°56'24" ♎	-24°55'48"	0-02°03'06"	00°40'01"	1.206
23/09/2031 00:00:00	♂	21°16'47" ♎	-22°57'15"	00°11'34"	00°06'32"	5.300
23/09/2031 00:00:00	♃	22°53'08" ♎	21°42'15"	-01°32'26"	00°01'21"	8.858
23/09/2031 00:00:00	♃	27°13'12" ♎	23°32'23"	00°08'07"	00°00'31"	19.031
23/09/2031 00:00:00	♃	14°36'27" ♎	04°16'07"	-01°36'45"	-00°01'36"	28.878
23/09/2031 00:00:00	♃	11°29'23" ♎	-23°45'01"	0-06°41'22"	-00°00'48"	36.220
23/09/2031 00:00:00	♁	20°08'53" ♎	-17°46'35"	00°00'00"	00°00'59"	0.003
23/09/2031 00:00:00	♃	21°00'17" ♎	15°46'41"	-02°18'21"	-00°01'35"	15.929
23/09/2031 00:00:00	♁	24°09'00" ♎	16°46'13"	-04°34'30"	00°06'42"	0.003
23/09/2031 00:00:00	T♁	20°08'53" ♎	-17°46'35"	00°00'00"	00°00'59"	0.003
23/09/2031 00:00:00	T♁	15°30'13" ♎	11°17'07"	-05°07'20"	03°17'35"	0.003

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23/09/2031 00:00:00	X	26°49'29" ♄	01°28'13"	-09°29'39"	-00°00'31"	94.114
23/09/2031 00:00:00	Y	05°47'29" ♀	09°38'28"	-11°47'47"	-00°00'11"	81.218
24/09/2031 00:00:00		☉ 00°45'51" ♄	-00°18'13"	00°00'00"	00°58'43"	1.003
24/09/2031 00:00:00		☾ 00°02'24" ♄	-20°07'56"	03°18'04"	14°03'26"	0.002
24/09/2031 00:00:00		♀ 00°42'49" ♄	01°03'10"	01°27'25"	01°48'56"	1.390
24/09/2031 00:00:00		♀ 18°08'19" ♄	11°46'59"	-03°47'13"	00°39'06"	0.490
24/09/2031 00:00:00		♂ 18°36'30" ♄	-24°59'08"	o-02°02'52"	00°40'10"	1.212
24/09/2031 00:00:00		♃ 21°23'24" ♄	-22°57'49"	00°11'26"	00°06'41"	5.315
24/09/2031 00:00:00		♅ 22°54'27" ♀	21°42'13"	-01°32'31"	00°01'15"	8.841
24/09/2031 00:00:00		♃ 27°13'42" ♀	23°32'24"	o 00°08'08"	00°00'28"	19.014
24/09/2031 00:00:00		♃ 14°34'50" ♄	04°15'29"	-01°36'46"	-00°01'36"	28.874
24/09/2031 00:00:00		♃ 11°28'35" ♄	-23°45'11"	o-06°41'18"	-00°00'47"	36.233
24/09/2031 00:00:00		♄ 20°09'30" ♄	-17°46'45"	00°00'00"	00°00'04"	0.003
24/09/2031 00:00:00		♃ 20°58'40" ♄	15°46'04"	-02°18'33"	-00°01'38"	15.915
24/09/2031 00:00:00		♃ 24°15'43" ♄	16°44'41"	-04°34'54"	00°06'42"	0.003
24/09/2031 00:00:00	T♄	20°09'30" ♄	-17°46'45"	00°00'00"	00°00'04"	0.003
24/09/2031 00:00:00	T♃	17°52'38" ♄	10°34'29"	-05°08'11"	01°27'55"	0.003
24/09/2031 00:00:00	X	26°48'57" ♄	01°28'01"	-09°29'40"	-00°00'31"	94.106
24/09/2031 00:00:00	Y	05°47'17" ♀	09°38'18"	-11°47'55"	-00°00'12"	81.203

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25/09/2031 00:00:00	☉	01°44'36" ♈	-00°41'35"	00°00'00"	00°58'45"	1.003
25/09/2031 00:00:00	☾	14°11'40" ♍	-18°32'09"	04°09'51"	14°14'51"	0.002
25/09/2031 00:00:00	♀	02°31'19" ♈	00°15'46"	01°22'45"	01°48'03"	1.395
25/09/2031 00:00:00	♀	18°48'00" ♏	11°43'20"	-03°38'24"	00°40'14"	0.497
25/09/2031 00:00:00	♂	19°16'44" ♏	-25°02'17"	0-02°02'38"	00°40'18"	1.218
25/09/2031 00:00:00	♃	21°30'10" ♏	-22°58'24"	00°11'17"	00°06'50"	5.330
25/09/2031 00:00:00	♄	22°55'39" ♀	21°42'12"	-01°32'37"	00°01'08"	8.825
25/09/2031 00:00:00	♅	27°14'09" ♀	23°32'26"	00°08'09"	00°00'25"	18.997
25/09/2031 00:00:00	♆	14°33'13" ♀	04°14'51"	-01°36'47"	-00°01'37"	28.870
25/09/2031 00:00:00	♁	11°27'48" ♁	-23°45'20"	0-06°41'14"	-00°00'45"	36.247
25/09/2031 00:00:00	♂	20°08'47" ♎	-17°46'34"	00°00'00"	-00°01'35"	0.003
25/09/2031 00:00:00	♆	20°57'01" ♎	15°45'27"	-02°18'45"	-00°01'41"	15.901
25/09/2031 00:00:00	♁	24°22'25" ♁	16°43'09"	-04°35'18"	00°06'42"	0.003
25/09/2031 00:00:00	T♂	20°08'47" ♎	-17°46'34"	00°00'00"	-00°01'35"	0.003
25/09/2031 00:00:00	T♁	18°33'52" ♏	10°22'02"	-05°08'15"	00°01'08"	0.003
25/09/2031 00:00:00	X	26°48'25" ♀	01°27'49"	-09°29'40"	-00°00'32"	94.099
25/09/2031 00:00:00	Y	05°47'04" ♀	09°38'08"	-11°48'03"	-00°00'13"	81.187
26/09/2031 00:00:00	☉	02°43'22" ♈	-01°04'56"	00°00'00"	00°58'46"	1.003
26/09/2031 00:00:00	☾	28°31'25" ♍	-15°46'07"	04°46'45"	14°24'10"	0.002

Ephemerides year 2031

26/09/2031 00:00:00	♀	04°18'56" ♈	-00°31'29"	01°17'46"	01°47'09"	1.400
26/09/2031 00:00:00	♀	19°28'48" ♋	11°39'10"	-03°29'39"	00°41'20"	0.505
26/09/2031 00:00:00	♂	19°57'07" ♌	-25°05'13" ♁	-02°02'22"	00°40'26"	1.223
26/09/2031 00:00:00	♈	21°37'05" ♌	-22°58'59"	00°11'09"	00°06'59"	5.345
26/09/2031 00:00:00	♏	22°56'45" ♋	21°42'10"	-01°32'42"	00°01'02"	8.809
26/09/2031 00:00:00	♏	27°14'33" ♋	23°32'27" ♁	00°08'10"	00°00'22"	18.980
26/09/2031 00:00:00	♏	14°31'36" ♏	04°14'12"	-01°36'48"	-00°01'37"	28.867
26/09/2031 00:00:00	♏	11°27'03" ♏	-23°45'28" ♁	-06°41'09"	-00°00'44"	36.261
26/09/2031 00:00:00	♏	20°06'13" ♏	-17°45'52"	00°00'00"	-00°03'34"	0.003
26/09/2031 00:00:00	♏	20°55'18" ♏	15°44'49"	-02°18'57"	-00°01'44"	15.887
26/09/2031 00:00:00	♏	24°29'08" ♏	16°41'36"	-04°35'42"	00°06'42"	0.003
26/09/2031 00:00:00	T♏	20°06'13" ♏	-17°45'52"	00°00'00"	-00°03'34"	0.003
26/09/2031 00:00:00	T♏	18°10'40" ♏	10°29'11"	-05°08'04"	-00°39'35"	0.003
26/09/2031 00:00:00	X	26°47'52" ♏	01°27'37"	-09°29'41"	-00°00'32"	94.092
26/09/2031 00:00:00	Y	05°46'51" ♏	09°37'59"	-11°48'11"	-00°00'13"	81.171
27/09/2031 00:00:00	♁	03°42'10" ♈	-01°28'17"	00°00'00"	00°58'48"	1.003
27/09/2031 00:00:00	♁	12°58'48" ♏	-12°01'16"	05°05'50"	14°29'49"	0.002
27/09/2031 00:00:00	♀	06°05'38" ♈	-01°18'34"	01°12'30"	01°46'14"	1.403
27/09/2031 00:00:00	♀	20°10'41" ♋	11°34'26"	-03°20'58"	00°42'24"	0.512

Ephemerides year 2031

27/09/2031 00:00:00	♂	20°37'38" ♂	-25°07'58" ♀	-02°02'07"	00°40'34"	1.229
27/09/2031 00:00:00	♃	21°44'08" ♂	-22°59'34"	00°11'01"	00°07'07"	5.360
27/09/2031 00:00:00	♅	22°57'44" ♀	21°42'07"	-01°32'48"	00°00'55"	8.793
27/09/2031 00:00:00	♁	27°14'54" ♀	23°32'29" ♀	00°08'11"	00°00'19"	18.963
27/09/2031 00:00:00	♃	14°29'58" ♀	04°13'33"	-01°36'49"	-00°01'38"	28.864
27/09/2031 00:00:00	♁	11°26'19" ♀	-23°45'37" ♀	-06°41'05"	-00°00'43"	36.276
27/09/2031 00:00:00	♁	20°01'41" ♀	-17°44'39"	00°00'00"	-00°05'25"	0.003
27/09/2031 00:00:00	♃	20°53'32" ♀	15°44'10"	-02°19'09"	-00°01'47"	15.873
27/09/2031 00:00:00	♁	24°35'50" ♀	16°40'04"	-04°36'06"	00°06'42"	0.003
27/09/2031 00:00:00	T♁	20°01'41" ♀	-17°44'39"	00°00'00"	-00°05'25"	0.003
27/09/2031 00:00:00	T♁	17°27'42" ♀	10°42'15"	-05°07'50"	-00°42'00"	0.003
27/09/2031 00:00:00	X	26°47'19" ♀	01°27'25"	-09°29'41"	-00°00'32"	94.085
27/09/2031 00:00:00	Y	05°46'36" ♀	09°37'49"	-11°48'18"	-00°00'14"	81.156
28/09/2031 00:00:00	♁	04°40'59" ♀	-01°51'38"	00°00'00"	00°58'50"	1.002
28/09/2031 00:00:00	♁	27°29'20" ♀	-07°33'16"	05°05'29"	14°30'17"	0.002
28/09/2031 00:00:00	♁	07°51'24" ♀	-02°05'25"	01°06'59"	01°45'19"	1.406
28/09/2031 00:00:00	♁	20°53'36" ♀	11°29'11"	-03°12'22"	00°43'26"	0.519
28/09/2031 00:00:00	♂	21°18'17" ♂	-25°10'30" ♀	-02°01'51"	00°40'42"	1.234
28/09/2031 00:00:00	♃	21°51'20" ♂	-23°00'09"	00°10'52"	00°07'16"	5.375

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28/09/2031 00:00:00	♃	22°58'36" ♀	21°42'05"	-01°32'53"	00°00'49"	8.776
28/09/2031 00:00:00	♃	27°15'12" ♀	23°32'30"	♁ 00°08'12"	00°00'16"	18.946
28/09/2031 00:00:00	♃	14°28'20" ♀	04°12'55"	-01°36'50"	-00°01'38"	28.861
28/09/2031 00:00:00	♃	11°25'37" ♀	-23°45'44"	♁ -06°41'00"	-00°00'41"	36.290
28/09/2031 00:00:00	♃	19°55'33" ♀	-17°43'01"	00°00'00"	-00°06'41"	0.003
28/09/2031 00:00:00	♃	20°51'43" ♀	15°43'30"	-02°19'20"	-00°01'50"	15.860
28/09/2031 00:00:00	♃	24°42'32" ♀	16°38'31"	-04°36'30"	00°06'42"	0.003
28/09/2031 00:00:00	♃	19°55'33" ♀	-17°43'01"	00°00'00"	-00°06'41"	0.003
28/09/2031 00:00:00	♃	16°50'23" ♀	10°53'24"	-05°07'42"	-00°33'01"	0.003
28/09/2031 00:00:00	X	26°46'46" ♀	01°27'14"	-09°29'41"	-00°00'33"	94.079
28/09/2031 00:00:00	Y	05°46'21" ♀	09°37'39"	-11°48'26"	-00°00'15"	81.141
29/09/2031 00:00:00	♃	05°39'51" ♀	-02°14'57"	00°00'00"	00°58'52"	1.002
29/09/2031 00:00:00	♃	11°57'19" ♀	-02°40'15"	04°45'41"	14°24'37"	0.002
29/09/2031 00:00:00	♃	09°36'16" ♀	-02°51'58"	01°01'13"	01°44'24"	1.408
29/09/2031 00:00:00	♃	21°37'33" ♀	11°23'23"	-03°03'50"	00°44'26"	0.526
29/09/2031 00:00:00	♃	21°59'03" ♀	-25°12'49"	♁ -02°01'34"	00°40'50"	1.240
29/09/2031 00:00:00	♃	21°58'40" ♀	-23°00'44"	00°10'44"	00°07'24"	5.390
29/09/2031 00:00:00	♃	22°59'22" ♀	21°42'02"	-01°32'59"	00°00'42"	8.760
29/09/2031 00:00:00	♃	27°15'26" ♀	23°32'32"	♁ 00°08'13"	00°00'12"	18.929

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29/09/2031 00:00:00	♁	14°26'41" ♄	04°12'16"	-01°36'51"	-00°01'38"	28.859
29/09/2031 00:00:00	♁	11°24'55" ♄	-23°45'52"	o-06°40'55"	-00°00'40"	36.304
29/09/2031 00:00:00	♁	19°48'35" ♄	-17°41'08"	00°00'00"	-00°07'05"	0.003
29/09/2031 00:00:00	♁	20°49'51" ♄	15°42'50"	-02°19'32"	-00°01'53"	15.847
29/09/2031 00:00:00	♁	24°49'15" ♄	16°36'58"	-04°36'53"	00°06'42"	0.003
29/09/2031 00:00:00	T♁	19°48'35" ♄	-17°41'08"	00°00'00"	-00°07'05"	0.003
29/09/2031 00:00:00	T♁	16°17'28" ♄	11°03'01"	-05°07'44"	-00°36'04"	0.003
29/09/2031 00:00:00	X	26°46'13" ♄	01°27'02"	-09°29'42"	-00°00'33"	94.073
29/09/2031 00:00:00	Y	05°46'06" ♄	09°37'29"	-11°48'33"	-00°00'16"	81.126
30/09/2031 00:00:00	♁	06°38'44" ♄	-02°38'15"	00°00'00"	00°58'54"	1.002
30/09/2031 00:00:00	♁	26°16'30" ♄	02°18'54"	04°08'06"	14°12'45"	0.002
30/09/2031 00:00:00	♁	11°20'13" ♄	-03°38'10"	00°55'14"	01°43'29"	1.409
30/09/2031 00:00:00	♁	22°22'28" ♄	11°17'03"	-02°55'24"	00°45'23"	0.533
30/09/2031 00:00:00	♁	22°39'58" ♄	-25°14'56"	o-02°01'16"	00°40'58"	1.246
30/09/2031 00:00:00	♁	22°06'09" ♄	-23°01'19"	00°10'36"	00°07'32"	5.404
30/09/2031 00:00:00	♁	23°00'01" ♄	21°41'58"	-01°33'04"	00°00'35"	8.744
30/09/2031 00:00:00	♁	27°15'37" ♄	23°32'33"	o 00°08'14"	00°00'09"	18.912
30/09/2031 00:00:00	♁	14°25'02" ♄	04°11'37"	-01°36'52"	-00°01'39"	28.857
30/09/2031 00:00:00	♁	11°24'16" ♄	-23°45'58"	o-06°40'51"	-00°00'39"	36.319

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30/09/2031 00:00:00	♏	19°41'41" ♍	-17°39'17"	00°00'00"	-00°06'34"	0.003
30/09/2031 00:00:00	♋	20°47'56" ♄	15°42'09"	-02°19'44"	-00°01'56"	15.834
30/09/2031 00:00:00	♌	24°55'57" ♃	16°35'25"	-04°37'17"	00°06'42"	0.003
30/09/2031 00:00:00	T♏	19°41'41" ♍	-17°39'17"	00°00'00"	-00°06'34"	0.003
30/09/2031 00:00:00	T♌	15°30'44" ♄	11°16'28"	-05°07'51"	-01°01'09"	0.003
30/09/2031 00:00:00	X	26°45'39" ♄	01°26'50"	-09°29'42"	-00°00'33"	94.067
30/09/2031 00:00:00	Y	05°45'49" ♄	09°37'19"	-11°48'41"	-00°00'16"	81.111
01/10/2031 00:00:00	♏	07°37'39" ♄	-03°01'32"	00°00'00"	00°58'56"	1.001
01/10/2031 00:00:00	♎	10°21'03" ♄	07°05'59"	03°15'55"	13°55'33"	0.003
01/10/2031 00:00:00	♌	13°03'15" ♄	-04°24'00"	00°49'04"	01°42'35"	1.410
01/10/2031 00:00:00	♌	23°08'20" ♄	11°10'11"	-02°47'02"	00°46'19"	0.541
01/10/2031 00:00:00	♌	23°21'00" ♄	-25°16'49"	00°00'58"	00°41'05"	1.251
01/10/2031 00:00:00	♌	22°13'46" ♄	-23°01'54"	00°10'28"	00°07'40"	5.419
01/10/2031 00:00:00	♌	23°00'34" ♄	21°41'54"	-01°33'10"	00°00'29"	8.728
01/10/2031 00:00:00	♌	27°15'46" ♄	23°32'34"	00°08'15"	00°00'06"	18.895
01/10/2031 00:00:00	♌	14°23'23" ♄	04°10'58"	-01°36'52"	-00°01'39"	28.855
01/10/2031 00:00:00	♌	11°23'37" ♄	-23°46'04"	00°00'37"	-06°40'45"	36.334
01/10/2031 00:00:00	♏	19°35'43" ♍	-17°37'40"	00°00'00"	-00°05'15"	0.003
01/10/2031 00:00:00	♋	20°45'58" ♄	15°41'27"	-02°19'55"	-00°01'59"	15.821

Ephemerides year 2031

01/10/2031 00:00:00	☾	25°02'40"	♉	16°33'51"	-04°37'40"	00°06'42"	0.003	
01/10/2031 00:00:00	♁	19°35'43"	♏	-17°37'40"		00°00'00"	-00°05'15"	0.003
01/10/2031 00:00:00	♁	14°08'41"	♏	11°39'54"	-05°07'47"	-01°45'17"	0.003	
01/10/2031 00:00:00	X	26°45'05"	♏	01°26'38"	-09°29'42"	-00°00'33"	94.061	
01/10/2031 00:00:00	Y	05°45'32"	♏	09°37'09"	-11°48'48"	-00°00'17"	81.096	
02/10/2031 00:00:00	☉	08°36'36"	♈	-03°24'47"	00°00'00"	00°58'58"	1.001	
02/10/2031 00:00:00	☾	24°06'24"	♏	11°24'43"	02°13'15"	13°34'41"	0.003	
02/10/2031 00:00:00	♀	14°45'25"	♈	-05°09'24"	00°42'45"	01°41'42"	1.410	
02/10/2031 00:00:00	♀	23°55'07"	♏	11°02'46"	-02°38'46"	00°47'13"	0.548	
02/10/2031 00:00:00	♂	24°02'09"	♏	-25°18'30"	0-02°00'40"	00°41'13"	1.257	
02/10/2031 00:00:00	♃	22°21'31"	♏	-23°02'29"	00°10'19"	00°07'49"	5.434	
02/10/2031 00:00:00	♃	23°01'00"	♏	21°41'50"	-01°33'15"	00°00'22"	8.712	
02/10/2031 00:00:00	♃	27°15'51"	♏	23°32'35"	00°08'16"	00°00'03"	18.878	
02/10/2031 00:00:00	♃	14°21'43"	♏	04°10'19"	-01°36'53"	-00°01'39"	28.853	
02/10/2031 00:00:00	♃	11°23'00"	♏	-23°46'10"	0-06°40'40"	-00°00'36"	36.349	
02/10/2031 00:00:00	♁	19°31'20"	♏	-17°36'29"	00°00'00"	-00°03'27"	0.003	
02/10/2031 00:00:00	♃	20°43'57"	♏	15°40'44"	-02°20'06"	-00°02'01"	15.809	
02/10/2031 00:00:00	☾	25°09'22"	♉	16°32'18"	-04°38'03"	00°06'42"	0.003	
02/10/2031 00:00:00	♁	19°31'20"	♏	-17°36'29"		00°00'00"	-00°03'27"	0.003

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02/10/2031 00:00:00	T♄	11°58'06" ♈r	12°16'38"	-05°07'07"	-02°35'23"	0.003
02/10/2031 00:00:00	X	26°44'31" ♏r	01°26'26"	-09°29'42"	-00°00'34"	94.056
02/10/2031 00:00:00	Y	05°45'15" ♏r	09°36'59"	-11°48'55"	-00°00'18"	81.081
03/10/2031 00:00:00	☉	09°35'35" ♌	-03°48'00"	00°00'00"	00°59'00"	1.001
03/10/2031 00:00:00	☾	07°29'52" ♋	15°01'40"	01°04'37"	13°12'09"	0.003
03/10/2031 00:00:00	♀	16°26'41" ♌	-05°54'20"	00°36'17"	01°40'50"	1.410
03/10/2031 00:00:00	♀	24°42'46" ♈	10°54'49"	-02°30'35"	00°48'05"	0.556
03/10/2031 00:00:00	♂	24°43'26" ♏	-25°19'57"	o-02°00'20"	00°41'20"	1.262
03/10/2031 00:00:00	♃	22°29'24" ♏	-23°03'04"	00°10'11"	00°07'57"	5.449
03/10/2031 00:00:00	♅	23°01'19" ♏	21°41'46"	-01°33'20"	00°00'16"	8.696
03/10/2031 00:00:00	♁	27°15'52" ♏	23°32'36"	o 00°08'17"	00°00'00"	18.862
03/10/2031 00:00:00	♃	14°20'03" ♏r	04°09'40"	-01°36'54"	-00°01'39"	28.852
03/10/2031 00:00:00	♁	11°22'25" ♏r	-23°46'15"	o-06°40'35"	-00°00'34"	36.364
03/10/2031 00:00:00	♁	19°28'50" ♏r	-17°35'48"	00°00'00"	-00°01'32"	0.003
03/10/2031 00:00:00	♃	20°41'54" ♋r	15°40'01"	-02°20'18"	-00°02'04"	15.797
03/10/2031 00:00:00	♄	25°16'04" ♎	16°30'44"	-04°38'26"	00°06'42"	0.003
03/10/2031 00:00:00	T♁	19°28'50" ♏r	-17°35'48"	00°00'00"	-00°01'32"	0.003
03/10/2031 00:00:00	T♄	09°02'06" ♈r	13°04'45"	-05°05'20"	-03°12'57"	0.003
03/10/2031 00:00:00	X	26°43'57" ♏r	01°26'14"	-09°29'42"	-00°00'34"	94.050

Ephemerides year 2031

03/10/2031 00:00:00	Y	05°44'56" ♀	09°36'49"	-11°49'03"	-00°00'18"	81.067
04/10/2031 00:00:00	☉	10°34'37" ♄	-04°11'10"	00°00'00"	00°59'02"	1.001
04/10/2031 00:00:00	☾	20°30'50" ♂	17°46'57"	-00°05'41"	12°50'00"	0.003
04/10/2031 00:00:00	♀	18°07'06" ♄	-06°38'47"	00°29'41"	01°39'59"	1.409
04/10/2031 00:00:00	♀	25°31'17" ♂	10°46'21"	-02°22'30"	00°48'55"	0.563
04/10/2031 00:00:00	♂	25°24'50" ♂	-25°21'11"	00°00'01"	00°41'27"	1.268
04/10/2031 00:00:00	♃	22°37'25" ♂	-23°03'39"	00°10'03"	00°08'05"	5.463
04/10/2031 00:00:00	♅	23°01'32" ♀	21°41'41"	-01°33'26"	00°00'09"	8.680
04/10/2031 00:00:00	♁	27°15'51" ♀	23°32'37"	00°08'18"	-00°00'02"	18.845
04/10/2031 00:00:00	♃	14°18'23" ♀	04°09'01"	-01°36'54"	-00°01'40"	28.851
04/10/2031 00:00:00	♁	11°21'51" ♀	-23°46'20"	00°00'33"	-06°40'30"	36.380
04/10/2031 00:00:00	♁	19°28'09" ♃	-17°35'37"	00°00'00"	00°00'07"	0.003
04/10/2031 00:00:00	♃	20°39'48" ♂	15°39'18"	-02°20'29"	-00°02'07"	15.785
04/10/2031 00:00:00	♁	25°22'47" ♃	16°29'11"	-04°38'49"	00°06'42"	0.003
04/10/2031 00:00:00	T♁	19°28'09" ♃	-17°35'37"	00°00'00"	00°00'07"	0.003
04/10/2031 00:00:00	T♁	05°41'31" ♂	13°57'24"	-05°02'11"	-03°22'58"	0.003
04/10/2031 00:00:00	X	26°43'23" ♀	01°26'02"	-09°29'41"	-00°00'34"	94.046
04/10/2031 00:00:00	Y	05°44'37" ♀	09°36'39"	-11°49'10"	-00°00'19"	81.052
05/10/2031 00:00:00	☉	11°33'40" ♄	-04°34'17"	-00°00'00"	00°59'04"	1.000

Ephemerides year 2031

05/10/2031 00:00:00	♃	03°10'35" ♀	19°34'37"	-01°13'58"	12°29'58"	0.003
05/10/2031 00:00:00	♄	19°46'40" ♀	-07°22'43"	00°22'59"	01°39'09"	1.407
05/10/2031 00:00:00	♅	26°20'37" ♀	10°37'21"	-02°14'30"	00°49'44"	0.570
05/10/2031 00:00:00	♆	26°06'22" ♀	-25°22'12"	0-01°59'40"	00°41'35"	1.273
05/10/2031 00:00:00	♇	22°45'35" ♀	-23°04'14"	00°09'55"	00°08'13"	5.478
05/10/2031 00:00:00	♈	23°01'39" ♀	21°41'36"	-01°33'31"	00°00'02"	8.665
05/10/2031 00:00:00	♉	27°15'47" ♀	23°32'38"	0 00°08'19"	-00°00'05"	18.828
05/10/2031 00:00:00	♊	14°16'43" ♀	04°08'21"	-01°36'55"	-00°01'40"	28.850
05/10/2031 00:00:00	♋	11°21'18" ♀	-23°46'24"	0-06°40'24"	-00°00'31"	36.395
05/10/2031 00:00:00	♌	19°28'54" ♀	-17°35'49"	00°00'00"	00°01'15"	0.003
05/10/2031 00:00:00	♍	20°37'39" ♀	15°38'33"	-02°20'40"	-00°02'09"	15.773
05/10/2031 00:00:00	♎	25°29'29" ♀	16°27'37"	-04°39'12"	00°06'42"	0.003
05/10/2031 00:00:00	♏	19°28'54" ♀	-17°35'49"	00°00'00"	00°01'15"	0.003
05/10/2031 00:00:00	♐	02°26'11" ♀	14°46'13"	-04°58'00"	-03°03'24"	0.003
05/10/2031 00:00:00	♑	26°42'48" ♀	01°25'50"	-09°29'41"	-00°00'34"	94.041
05/10/2031 00:00:00	♒	05°44'18" ♀	09°36'29"	-11°49'17"	-00°00'19"	81.038
06/10/2031 00:00:00	♓	12°32'47" ♀	-04°57'21"	-00°00'00"	00°59'07"	1.000
06/10/2031 00:00:00	♈	15°31'57" ♀	20°22'29"	-02°17'12"	12°13'24"	0.003
06/10/2031 00:00:00	♉	21°25'25" ♀	-08°06'07"	00°16'11"	01°38'20"	1.405

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06/10/2031 00:00:00	♀	27°10'45" ♏	10°27'50"	-02°06'37"	00°50'30"	0.578
06/10/2031 00:00:00	♂	26°48'00" ♏	-25°22'59"	o-01°59'19"	00°41'42"	1.279
06/10/2031 00:00:00	♃	22°53'52" ♏	-23°04'48"	00°09'47"	00°08'20"	5.492
06/10/2031 00:00:00	♅	23°01'38" ♏	21°41'31"	-01°33'36"	-00°00'03"	8.649
06/10/2031 00:00:00	♁	27°15'39" ♏	23°32'39"	o 00°08'20"	-00°00'08"	18.812
06/10/2031 00:00:00	♃	14°15'03" ♏	04°07'42"	-01°36'55"	-00°01'40"	28.850
06/10/2031 00:00:00	♁	11°20'47" ♏	-23°46'27"	o-06°40'19"	-00°00'30"	36.411
06/10/2031 00:00:00	♁	19°30'27" ♏	-17°36'14"	00°00'00"	00°01'43"	0.002
06/10/2031 00:00:00	♁	20°35'28" ♏	15°37'48"	-02°20'51"	-00°02'12"	15.761
06/10/2031 00:00:00	♁	25°36'12" ♏	16°26'03"	-04°39'34"	00°06'42"	0.003
06/10/2031 00:00:00	T♁	19°30'27" ♏	-17°36'14"	00°00'00"	00°01'43"	0.002
06/10/2031 00:00:00	T♁	29°40'48" ♏	15°25'31"	-04°53'36"	-02°25'40"	0.003
06/10/2031 00:00:00	X	26°42'13" ♏	01°25'39"	-09°29'40"	-00°00'34"	94.037
06/10/2031 00:00:00	Y	05°43'58" ♏	09°36'18"	-11°49'24"	-00°00'20"	81.024
07/10/2031 00:00:00	♁	13°31'55" ♏	-05°20'21"	-00°00'00"	00°59'09"	1.000
07/10/2031 00:00:00	♁	27°38'51" ♏	20°11'44"	-03°13'03"	12°01'11"	0.003
07/10/2031 00:00:00	♁	23°03'21" ♏	-08°48'55"	00°09'20"	01°37'32"	1.402
07/10/2031 00:00:00	♀	28°01'38" ♏	10°17'48"	-01°58'49"	00°51'15"	0.585
07/10/2031 00:00:00	♂	27°29'46" ♏	-25°23'32"	o-01°58'58"	00°41'49"	1.285

Ephemerides year 2031

07/10/2031 00:00:00	♃	23°02'16" ♄	-23°05'23"	00°09'39"	00°08'28"	5.507
07/10/2031 00:00:00	♅	23°01'31" ♀	21°41'25"	-01°33'41"	-00°00'10"	8.634
07/10/2031 00:00:00	♆	27°15'29" ♀	23°32'39" ♁	00°08'21"	-00°00'12"	18.795
07/10/2031 00:00:00	♅	14°13'23" ♄	04°07'03"	-01°36'55"	-00°01'40"	28.850
07/10/2031 00:00:00	♁	11°20'17" ♁	-23°46'30" ♁	-06°40'13"	-00°00'28"	36.427
07/10/2031 00:00:00	♁	19°32'06" ♁	-17°36'41"	00°00'00"	00°01'27"	0.002
07/10/2031 00:00:00	♅	20°33'14" ♄	15°37'03"	-02°21'01"	-00°02'15"	15.750
07/10/2031 00:00:00	♁	25°42'55" ♁	16°24'28"	-04°39'57"	00°06'42"	0.003
07/10/2031 00:00:00	T♁	19°32'06" ♁	-17°36'41"	00°00'00"	00°01'27"	0.002
07/10/2031 00:00:00	T♅	27°35'24" ♁	15°54'02"	-04°49'44"	-01°46'04"	0.003
07/10/2031 00:00:00	X	26°41'39" ♄	01°25'27"	-09°29'40"	-00°00'34"	94.033
07/10/2031 00:00:00	Y	05°43'37" ♀	09°36'08"	-11°49'31"	-00°00'21"	81.010
08/10/2031 00:00:00	♁	14°31'06" ♁	-05°43'18"	-00°00'00"	00°59'11"	0.999
08/10/2031 00:00:00	♁	09°35'57" ♁	19°06'04"	-03°59'42"	11°53'49"	0.003
08/10/2031 00:00:00	♁	24°40'29" ♁	-09°31'09"	00°02'24"	01°36'45"	1.399
08/10/2031 00:00:00	♁	28°53'16" ♁	10°07'15"	-01°51'08"	00°51'59"	0.593
08/10/2031 00:00:00	♁	28°11'39" ♄	-25°23'51" ♁	-01°58'35"	00°41'56"	1.290
08/10/2031 00:00:00	♃	23°10'49" ♄	-23°05'57"	00°09'31"	00°08'36"	5.521
08/10/2031 00:00:00	♅	23°01'18" ♀	21°41'19"	-01°33'47"	-00°00'16"	8.618

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08/10/2031 00:00:00	♃	27°15'15" ♀r	23°32'40" ○	00°08'22"	-00°00'15"	18.779
08/10/2031 00:00:00	♃	14°11'43" ♀r	04°06'24"	-01°36'56"	-00°01'40"	28.850
08/10/2031 00:00:00	♃	11°19'49" ♀r	-23°46'33" ○	-06°40'08"	-00°00'27"	36.443
08/10/2031 00:00:00	♃	19°33'09" ♀r	-17°36'58"	00°00'00"	00°00'34"	0.002
08/10/2031 00:00:00	♃	20°30'58" ♀r	15°36'17"	-02°21'12"	-00°02'17"	15.739
08/10/2031 00:00:00	♃	25°49'37" ♀r	16°22'54"	-04°40'19"	00°06'42"	0.003
08/10/2031 00:00:00	♃	19°33'09" ♀r	-17°36'58"	00°00'00"	00°00'34"	0.002
08/10/2031 00:00:00	♃	26°04'57" ♀r	16°13'55"	-04°46'38"	-01°17'25"	0.003
08/10/2031 00:00:00	X	26°41'03" ♀r	01°25'15"	-09°29'39"	-00°00'35"	94.029
08/10/2031 00:00:00	Y	05°43'16" ♀r	09°35'58"	-11°49'37"	-00°00'21"	80.997
09/10/2031 00:00:00	♃	15°30'18" ♀r	-06°06'10"	-00°00'00"	00°59'14"	0.999
09/10/2031 00:00:00	♃	21°28'10" ♀r	17°10'49"	-04°35'45"	11°51'26"	0.003
09/10/2031 00:00:00	♃	26°16'51" ♀r	-10°12'44"	-00°04'32"	01°35'59"	1.395
09/10/2031 00:00:00	♃	29°45'36" ♀r	09°56'12"	-01°43'32"	00°52'41"	0.600
09/10/2031 00:00:00	♃	28°53'39" ♀r	-25°23'57" ○	-01°58'13"	00°42'03"	1.296
09/10/2031 00:00:00	♃	23°19'29" ♀r	-23°06'32"	00°09'24"	00°08'43"	5.535
09/10/2031 00:00:00	♃	23°00'57" ♀r	21°41'13"	-01°33'52"	-00°00'23"	8.603
09/10/2031 00:00:00	♃	27°14'58" ♀r	23°32'41" ○	00°08'23"	-00°00'18"	18.763
09/10/2031 00:00:00	♃	14°10'02" ♀r	04°05'45"	-01°36'56"	-00°01'40"	28.850

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09/10/2031 00:00:00	♁	11°19'23" ♃r	-23°46'35" ♁	-06°40'02"	-00°00'25"	36.459
09/10/2031 00:00:00	♁	19°33'05" ♃r	-17°36'57"	00°00'00"	-00°00'44"	0.002
09/10/2031 00:00:00	♁	20°28'39" ♃r	15°35'30"	-02°21'23"	-00°02'20"	15.728
09/10/2031 00:00:00	♁	25°56'20" ♃r	16°21'20"	-04°40'41"	00°06'42"	0.003
09/10/2031 00:00:00	♁	19°33'05" ♃r	-17°36'57"	00°00'00"	-00°00'44"	0.002
09/10/2031 00:00:00	♁	24°54'33" ♃r	16°29'00"	-04°44'02"	-01°06'37"	0.003
09/10/2031 00:00:00	X	26°40'28" ♃r	01°25'04"	-09°29'38"	-00°00'35"	94.026
09/10/2031 00:00:00	Y	05°42'54" ♃r	09°35'48"	-11°49'44"	-00°00'22"	80.983
10/10/2031 00:00:00	♁	16°29'34" ♃r	-06°28'57"	-00°00'00"	00°59'16"	0.999
10/10/2031 00:00:00	♁	03°20'28" ♃r	14°32'12"	-04°59'59"	11°53'56"	0.003
10/10/2031 00:00:00	♁	27°52'28" ♃r	-10°53'42"	-00°11'32"	01°35'13"	1.391
10/10/2031 00:00:00	♁	00°38'37" ♃r	09°44'39"	-01°36'03"	00°53'21"	0.608
10/10/2031 00:00:00	♁	29°35'45" ♃r	-25°23'48" ♁	-01°57'49"	00°42'10"	1.301
10/10/2031 00:00:00	♁	23°28'17" ♃r	-23°07'06"	00°09'16"	00°08'51"	5.549
10/10/2031 00:00:00	♁	23°00'30" ♃r	21°41'07"	-01°33'57"	-00°00'30"	8.588
10/10/2031 00:00:00	♁	27°14'38" ♃r	23°32'41" ♁	00°08'24"	-00°00'21"	18.747
10/10/2031 00:00:00	♁	14°08'22" ♃r	04°05'06"	-01°36'56"	-00°01'40"	28.851
10/10/2031 00:00:00	♁	11°18'58" ♃r	-23°46'36" ♁	-06°39'56"	-00°00'24"	36.475
10/10/2031 00:00:00	♁	19°31'36" ♃r	-17°36'33"	00°00'00"	-00°02'13"	0.002

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10/10/2031 00:00:00	♄	20°26'18" ♎	15°34'43"	-02°21'33"	-00°02'22"	15.717
10/10/2031 00:00:00	♁	26°03'02" ♉	16°19'45"	-04°41'03"	00°06'42"	0.003
10/10/2031 00:00:00	♁♂	19°31'36" ♎	-17°36'33"	00°00'00"	-00°02'13"	0.002
10/10/2031 00:00:00	♁♄	23°45'10" ♎	16°43'27"	-04°41'22"	-01°15'17"	0.003
10/10/2031 00:00:00	X	26°39'53" ♎	01°24'52"	-09°29'37"	-00°00'35"	94.023
10/10/2031 00:00:00	Y	05°42'31" ♉	09°35'38"	-11°49'50"	-00°00'22"	80.970
11/10/2031 00:00:00	♁	17°28'51" ♉	-06°51'40"	-00°00'00"	00°59'18"	0.999
11/10/2031 00:00:00	♃	15°17'32" ♈	11°16'50"	-05°11'25"	12°00'53"	0.003
11/10/2031 00:00:00	♁	29°27'19" ♉	-11°33'59"	-00°18'32"	01°34'29"	1.386
11/10/2031 00:00:00	♁	01°32'18" ♎	09°32'36"	-01°28'40"	00°54'00"	0.615
11/10/2031 00:00:00	♁	00°17'59" ♎	-25°23'25"	0-01°57'25"	00°42'16"	1.307
11/10/2031 00:00:00	♁	23°37'12" ♎	-23°07'39"	00°09'08"	00°08'58"	5.563
11/10/2031 00:00:00	♁	22°59'57" ♉	21°41'00"	-01°34'02"	-00°00'37"	8.573
11/10/2031 00:00:00	♁	27°14'15" ♉	23°32'42"	00°08'25"	-00°00'24"	18.731
11/10/2031 00:00:00	♁	14°06'42" ♎	04°04'28"	-01°36'56"	-00°01'40"	28.852
11/10/2031 00:00:00	♁	11°18'34" ♎	-23°46'37"	0-06°39'50"	-00°00'22"	36.491
11/10/2031 00:00:00	♁	19°28'40" ♎	-17°35'45"	00°00'00"	-00°03'36"	0.002
11/10/2031 00:00:00	♁	20°23'54" ♎	15°33'55"	-02°21'43"	-00°02'24"	15.707
11/10/2031 00:00:00	♁	26°09'45" ♉	16°18'10"	-04°41'25"	00°06'42"	0.003

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11/10/2031 00:00:00	T♄	19°28'40" ♍	-17°35'45"	00°00'00"	-00°03'36"	0.002
11/10/2031 00:00:00	T♄	22°18'26" ♉	17°00'52"	-04°37'57"	-01°40'21"	0.003
11/10/2031 00:00:00	X	26°39'17" ♏	01°24'41"	-09°29'36"	-00°00'35"	94.020
11/10/2031 00:00:00	Y	05°42'08" ♀	09°35'28"	-11°49'57"	-00°00'23"	80.957
12/10/2031 00:00:00	☉	18°28'11" ♋	-07°14'16"	-00°00'00"	00°59'20"	0.998
12/10/2031 00:00:00	☾	27°23'31" ♌	07°31'41"	-05°09'15"	12°11'39"	0.003
12/10/2031 00:00:00	♃	01°01'27" ♈	-12°13'36"	-00°25'32"	01°33'46"	1.380
12/10/2031 00:00:00	♀	02°26'38" ♎	09°20'04"	-01°21'24"	00°54'37"	0.623
12/10/2031 00:00:00	♂	01°00'19" ♉	-25°22'48"	o-01°57'01"	00°42'23"	1.313
12/10/2031 00:00:00	♂	23°46'14" ♏	-23°08'13"	00°09'01"	00°09'05"	5.577
12/10/2031 00:00:00	♃	22°59'16" ♀	21°40'53"	-01°34'07"	-00°00'43"	8.558
12/10/2031 00:00:00	♃	27°13'49" ♀	23°32'42"	o 00°08'26"	-00°00'27"	18.714
12/10/2031 00:00:00	♃	14°05'02" ♏	04°03'49"	-01°36'56"	-00°01'40"	28.854
12/10/2031 00:00:00	♂	11°18'12" ♏	-23°46'38"	o-06°39'44"	-00°00'21"	36.508
12/10/2031 00:00:00	♁	19°24'31" ♎	-17°34'38"	00°00'00"	-00°04'37"	0.002
12/10/2031 00:00:00	♃	20°21'28" ♏	15°33'07"	-02°21'54"	-00°02'27"	15.697
12/10/2031 00:00:00	♃	26°16'28" ♉	16°16'36"	-04°41'47"	00°06'42"	0.003
12/10/2031 00:00:00	T♄	19°24'31" ♎	-17°34'38"	00°00'00"	-00°04'37"	0.002
12/10/2031 00:00:00	T♄	20°21'48" ♉	17°23'12"	-04°33'10"	-02°13'07"	0.003

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12/10/2031 00:00:00	X	26°38'42" ♄	01°24'29"	-09°29'35"	-00°00'35"	94.017
12/10/2031 00:00:00	Y	05°41'44" ♀	09°35'18"	-11°50'03"	-00°00'24"	80.944
13/10/2031 00:00:00	☉	19°27'33" ♋	-07°36'47"	-00°00'00"	00°59'23"	0.998
13/10/2031 00:00:00	☾	09°41'49" ♎	03°24'18"	-04°52'56"	12°25'22"	0.003
13/10/2031 00:00:00	♀	02°34'52" ♎	-12°52'30"	-00°32'32"	01°33'03"	1.375
13/10/2031 00:00:00	♀	03°21'34" ♎	09°07'03"	-01°14'14"	00°55'14"	0.630
13/10/2031 00:00:00	♂	01°42'46" ♌	-25°21'56"	o-01°56'35"	00°42'29"	1.318
13/10/2031 00:00:00	♃	23°55'23" ♌	-23°08'46"	00°08'53"	00°09'13"	5.591
13/10/2031 00:00:00	♅	22°58'29" ♉	21°40'46"	-01°34'11"	-00°00'50"	8.543
13/10/2031 00:00:00	♁	27°13'19" ♉	23°32'43"	o 00°08'27"	-00°00'31"	18.699
13/10/2031 00:00:00	♃	14°03'22" ♄	04°03'10"	-01°36'56"	-00°01'39"	28.856
13/10/2031 00:00:00	♁	11°17'52" ♉	-23°46'38"	o-06°39'38"	-00°00'19"	36.524
13/10/2031 00:00:00	♁	19°19'37" ♎	-17°33'18"	00°00'00"	-00°05'05"	0.002
13/10/2031 00:00:00	♃	20°18'59" ♄	15°32'18"	-02°22'04"	-00°02'29"	15.687
13/10/2031 00:00:00	♁	26°23'10" ♋	16°15'01"	-04°42'09"	00°06'42"	0.003
13/10/2031 00:00:00	T♁	19°19'37" ♎	-17°33'18"	00°00'00"	-00°05'05"	0.002
13/10/2031 00:00:00	T♃	17°54'27" ♋	17°49'38"	-04°26'46"	-02°38'58"	0.003
13/10/2031 00:00:00	X	26°38'06" ♄	01°24'18"	-09°29'34"	-00°00'35"	94.015
13/10/2031 00:00:00	Y	05°41'19" ♀	09°35'07"	-11°50'10"	-00°00'24"	80.931

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14/10/2031 00:00:00	☉	20°26'57" ♈	-07°59'12"	-00°00'00"	00°59'25"	0.998
14/10/2031 00:00:00	☾	22°14'53" ♍	-00°56'38"	-04°22'22"	12°41'00"	0.003
14/10/2031 00:00:00	♀	04°07'35" ♍	-13°30'41"	-00°39'30"	01°32'21"	1.368
14/10/2031 00:00:00	♀	04°17'05" ♍	08°53'34"	-01°07'11"	00°55'49"	0.638
14/10/2031 00:00:00	♂	02°25'19" ♌	-25°20'50"	-01°56'10"	00°42'36"	1.324
14/10/2031 00:00:00	♃	24°04'40" ♌	-23°09'18"	00°08'45"	00°09'20"	5.605
14/10/2031 00:00:00	♅	22°57'35" ♊	21°40'38"	-01°34'16"	-00°00'57"	8.528
14/10/2031 00:00:00	♅	27°12'47" ♊	23°32'43"	00°08'28"	-00°00'34"	18.683
14/10/2031 00:00:00	♃	14°01'42" ♊	04°02'32"	-01°36'56"	-00°01'39"	28.858
14/10/2031 00:00:00	♁	11°17'33" ♋	-23°46'37"	-06°39'32"	-00°00'18"	36.541
14/10/2031 00:00:00	♁	19°14'32" ♋	-17°31'55"	00°00'00"	-00°04'57"	0.002
14/10/2031 00:00:00	♂	20°16'29" ♌	15°31'29"	-02°22'14"	-00°02'31"	15.678
14/10/2031 00:00:00	♁	26°29'53" ♈	16°13'25"	-04°42'30"	00°06'42"	0.003
14/10/2031 00:00:00	♁	19°14'32" ♋	-17°31'55"	00°00'00"	-00°04'57"	0.002
14/10/2031 00:00:00	♁	15°11'52" ♈	18°16'25"	-04°19'15"	-02°41'00"	0.003
14/10/2031 00:00:00	X	26°37'30" ♊	01°24'06"	-09°29'33"	-00°00'35"	94.013
14/10/2031 00:00:00	Y	05°40'54" ♊	09°34'57"	-11°50'16"	-00°00'25"	80.919
15/10/2031 00:00:00	☉	21°26'24" ♈	-08°21'30"	-00°00'00"	00°59'27"	0.997
15/10/2031 00:00:00	☾	05°04'06" ♈	-05°20'58"	-03°38'05"	12°57'27"	0.003

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15/10/2031 00:00:00	♀	05°39'36" ♍	-14°08'07"	-00°46'26"	01°31'40"	1.362
15/10/2031 00:00:00	♀	05°13'11" ♍	08°39'37"	-01°00'15"	00°56'22"	0.645
15/10/2031 00:00:00	♂	03°07'58" ♌	-25°19'29"	o-01°55'43"	00°42'42"	1.329
15/10/2031 00:00:00	♃	24°14'04" ♌	-23°09'51"	00°08'38"	00°09'27"	5.618
15/10/2031 00:00:00	♃	22°56'35" ♉	21°40'30"	-01°34'21"	-00°01'03"	8.513
15/10/2031 00:00:00	♃	27°12'11" ♉	23°32'43"	o 00°08'29"	-00°00'37"	18.667
15/10/2031 00:00:00	♃	14°00'02" ♉	04°01'53"	-01°36'56"	-00°01'39"	28.860
15/10/2031 00:00:00	♃	11°17'16" ♉	-23°46'36"	o-06°39'26"	-00°00'16"	36.558
15/10/2031 00:00:00	♃	19°09'53" ♉	-17°30'39"	00°00'00"	-00°04'14"	0.003
15/10/2031 00:00:00	♃	20°13'56" ♉	15°30'39"	-02°22'23"	-00°02'33"	15.668
15/10/2031 00:00:00	♃	26°36'35" ♉	16°11'50"	-04°42'52"	00°06'42"	0.003
15/10/2031 00:00:00	T♃	19°09'53" ♉	-17°30'39"	00°00'00"	-00°04'14"	0.003
15/10/2031 00:00:00	T♃	12°43'55" ♉	18°38'31"	-04°12'02"	-02°09'09"	0.003
15/10/2031 00:00:00	X	26°36'54" ♉	01°23'55"	-09°29'31"	-00°00'36"	94.011
15/10/2031 00:00:00	Y	05°40'29" ♉	09°34'47"	-11°50'22"	-00°00'25"	80.907
16/10/2031 00:00:00	♃	22°25'52" ♉	-08°43'41"	-00°00'00"	00°59'29"	0.997
16/10/2031 00:00:00	♃	18°09'42" ♉	-09°36'27"	-02°41'28"	13°13'35"	0.003
16/10/2031 00:00:00	♀	07°10'56" ♍	-14°44'47"	-00°53'19"	01°30'59"	1.354
16/10/2031 00:00:00	♀	06°09'50" ♍	08°25'13"	-00°53'25"	00°56'55"	0.653

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16/10/2031 00:00:00	♂	03°50'45" ♃	-25°17'53" ♁	-01°55'17"	00°42'49"	1.335
16/10/2031 00:00:00	♃	24°23'34" ♃	-23°10'23"	00°08'30"	00°09'34"	5.632
16/10/2031 00:00:00	♃	22°55'28" ♃	21°40'22"	-01°34'25"	-00°01'10"	8.499
16/10/2031 00:00:00	♃	27°11'32" ♃	23°32'43" ♁	00°08'30"	-00°00'40"	18.652
16/10/2031 00:00:00	♃	13°58'23" ♃	04°01'15"	-01°36'56"	-00°01'39"	28.863
16/10/2031 00:00:00	♃	11°17'00" ♃	-23°46'35" ♁	-06°39'19"	-00°00'14"	36.575
16/10/2031 00:00:00	♁	19°06'12" ♃	-17°29'38"	00°00'00"	-00°03'05"	0.003
16/10/2031 00:00:00	♃	20°11'21" ♃	15°29'49"	-02°22'33"	-00°02'35"	15.659
16/10/2031 00:00:00	♃	26°43'18" ♃	16°10'15"	-04°43'13"	00°06'42"	0.003
16/10/2031 00:00:00	♁	19°06'12" ♃	-17°29'38"	00°00'00"	-00°03'05"	0.003
16/10/2031 00:00:00	♃	11°03'33" ♃	18°52'08"	-04°07'04"	-01°07'44"	0.003
16/10/2031 00:00:00	X	26°36'18" ♃	01°23'44"	-09°29'30"	-00°00'36"	94.010
16/10/2031 00:00:00	Y	05°40'02" ♃	09°34'37"	-11°50'28"	-00°00'26"	80.894
17/10/2031 00:00:00	♁	23°25'23" ♃	-09°05'45"	-00°00'00"	00°59'31"	0.997
17/10/2031 00:00:00	♃	01°30'52" ♃	-13°28'50"	-01°34'52"	13°28'28"	0.003
17/10/2031 00:00:00	♃	08°41'35" ♃	-15°20'40"	-01°00'08"	01°30'18"	1.347
17/10/2031 00:00:00	♀	07°07'02" ♃	08°10'21"	-00°46'42"	00°57'26"	0.660
17/10/2031 00:00:00	♂	04°33'37" ♃	-25°16'03" ♁	-01°54'49"	00°42'55"	1.340
17/10/2031 00:00:00	♃	24°33'12" ♃	-23°10'54"	00°08'23"	00°09'40"	5.645

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17/10/2031 00:00:00	♃	22°54'15" ♀r	21°40'14"	-01°34'30"	-00°01'16"	8.485
17/10/2031 00:00:00	♃	27°10'50" ♀r	23°32'44"	♁ 00°08'31"	-00°00'43"	18.636
17/10/2031 00:00:00	♃	13°56'44" ♀r	04°00'37"	-01°36'55"	-00°01'38"	28.866
17/10/2031 00:00:00	♃	11°16'46" ♀r	-23°46'33"	♁-06°39'13"	-00°00'13"	36.592
17/10/2031 00:00:00	♁	19°03'48" ♀r	-17°28'59"	00°00'00"	-00°01'41"	0.003
17/10/2031 00:00:00	♃	20°08'44" ♀r	15°28'58"	-02°22'43"	-00°02'37"	15.651
17/10/2031 00:00:00	♃	26°50'00" ♀r	16°08'39"	-04°43'34"	00°06'42"	0.003
17/10/2031 00:00:00	T♁	19°03'48" ♀r	-17°28'59"	00°00'00"	-00°01'41"	0.003
17/10/2031 00:00:00	T♃	10°33'00" ♀r	18°55'45"	-04°05'51"	00°07'19"	0.003
17/10/2031 00:00:00	X	26°35'42" ♀r	01°23'33"	-09°29'28"	-00°00'36"	94.009
17/10/2031 00:00:00	Y	05°39'36" ♀r	09°34'27"	-11°50'34"	-00°00'26"	80.883
18/10/2031 00:00:00	♁	24°24'55" ♀r	-09°27'41"	00°00'00"	00°59'33"	0.997
18/10/2031 00:00:00	♃	15°05'59" ♀r	-16°42'26"	-00°21'41"	13°41'24"	0.003
18/10/2031 00:00:00	♃	10°11'33" ♀r	-15°55'45"	-01°06'53"	01°29'37"	1.338
18/10/2031 00:00:00	♃	08°04'44" ♀r	07°55'04"	-00°40'06"	00°57'57"	0.668
18/10/2031 00:00:00	♃	05°16'35" ♀r	-25°13'58"	♁-01°54'21"	00°43'01"	1.346
18/10/2031 00:00:00	♃	24°42'56" ♀r	-23°11'25"	00°08'16"	00°09'47"	5.659
18/10/2031 00:00:00	♃	22°52'55" ♀r	21°40'05"	-01°34'34"	-00°01'23"	8.470
18/10/2031 00:00:00	♃	27°10'06" ♀r	23°32'43"	♁ 00°08'32"	-00°00'46"	18.621

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18/10/2031 00:00:00	♁	13°55'05" ♏	03°59'59"	-01°36'55"	-00°01'38"	28.869
18/10/2031 00:00:00	♁	11°16'34" ♏	-23°46'30"	♁-06°39'07"	-00°00'11"	36.609
18/10/2031 00:00:00	♁	19°02'47" ♏	-17°28'42"	00°00'00"	-00°00'20"	0.003
18/10/2031 00:00:00	♁	20°06'05" ♏	15°28'07"	-02°22'52"	-00°02'39"	15.642
18/10/2031 00:00:00	♁	26°56'43" ♏	16°07'03"	-04°43'55"	00°06'42"	0.003
18/10/2031 00:00:00	♁	19°02'47" ♏	-17°28'42"	00°00'00"	-00°00'20"	0.003
18/10/2031 00:00:00	♁	11°16'40" ♏	18°49'24"	-04°08'45"	01°18'00"	0.003
18/10/2031 00:00:00	X	26°35'05" ♏	01°23'22"	-09°29'26"	-00°00'36"	94.008
18/10/2031 00:00:00	Y	05°39'08" ♏	09°34'17"	-11°50'39"	-00°00'27"	80.871
19/10/2031 00:00:00	♁	25°24'30" ♏	-09°49'28"	00°00'00"	00°59'35"	0.996
19/10/2031 00:00:00	♁	28°52'54" ♏	-19°01'41"	00°53'53"	13°52'01"	0.003
19/10/2031 00:00:00	♁	11°40'51" ♏	-16°30'01"	-01°13'32"	01°28'56"	1.330
19/10/2031 00:00:00	♁	09°02'56" ♏	07°39'20"	-00°33'37"	00°58'26"	0.675
19/10/2031 00:00:00	♁	05°59'40" ♏	-25°11'38"	♁-01°53'53"	00°43'07"	1.351
19/10/2031 00:00:00	♁	24°52'47" ♏	-23°11'55"	00°08'08"	00°09'54"	5.672
19/10/2031 00:00:00	♁	22°51'29" ♏	21°39'56"	-01°34'39"	-00°01'29"	8.456
19/10/2031 00:00:00	♁	27°09'18" ♏	23°32'43"	♁ 00°08'33"	-00°00'49"	18.606
19/10/2031 00:00:00	♁	13°53'27" ♏	03°59'21"	-01°36'55"	-00°01'37"	28.872
19/10/2031 00:00:00	♁	11°16'23" ♏	-23°46'27"	♁-06°39'00"	-00°00'09"	36.626

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19/10/2031 00:00:00	♏	19°03'01" ♍	-17°28'46"	00°00'00"	00°00'44"	0.003
19/10/2031 00:00:00	♋	20°03'25" ♄	15°27'16"	-02°23'01"	-00°02'41"	15.634
19/10/2031 00:00:00	♌	27°03'26" ♃	16°05'27"	-04°44'16"	00°06'42"	0.003
19/10/2031 00:00:00	♏	19°03'01" ♍	-17°28'46"	00°00'00"	00°00'44"	0.003
19/10/2031 00:00:00	♌	13°02'59" ♃	18°33'53"	-04°14'54"	02°10'50"	0.003
19/10/2031 00:00:00	X	26°34'29" ♄	01°23'11"	-09°29'24"	-00°00'36"	94.008
19/10/2031 00:00:00	Y	05°38'41" ♄	09°34'07"	-11°50'45"	-00°00'27"	80.860
20/10/2031 00:00:00	♏	26°24'06" ♄	-10°11'07"	00°00'00"	00°59'37"	0.996
20/10/2031 00:00:00	♄	12°49'15" ♄	-20°13'36"	02°07'13"	14°00'15"	0.002
20/10/2031 00:00:00	♌	13°09'27" ♍	-17°03'25"	-01°20'06"	01°28'15"	1.320
20/10/2031 00:00:00	♌	10°01'37" ♍	07°23'11"	-00°27'15"	00°58'55"	0.683
20/10/2031 00:00:00	♌	06°42'51" ♄	-25°09'03"	-01°53'24"	00°43'13"	1.357
20/10/2031 00:00:00	♌	25°02'45" ♄	-23°12'25"	00°08'01"	00°10'00"	5.685
20/10/2031 00:00:00	♌	22°49'56" ♄	21°39'47"	-01°34'43"	-00°01'35"	8.443
20/10/2031 00:00:00	♌	27°08'27" ♄	23°32'43"	00°08'34"	-00°00'52"	18.591
20/10/2031 00:00:00	♌	13°51'50" ♄	03°58'44"	-01°36'54"	-00°01'37"	28.876
20/10/2031 00:00:00	♌	11°16'14" ♄	-23°46'23"	-06°38'54"	-00°00'08"	36.643
20/10/2031 00:00:00	♏	19°04'06" ♍	-17°29'04"	00°00'00"	00°01'21"	0.003
20/10/2031 00:00:00	♋	20°00'42" ♄	15°26'24"	-02°23'10"	-00°02'43"	15.626

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20/10/2031 00:00:00	☾	27°10'09" ♉	16°03'51"	-04°44'37"	00°06'42"	0.003
20/10/2031 00:00:00	♁	19°04'06" ♎	-17°29'04"	00°00'00"	00°01'21"	0.003
20/10/2031 00:00:00	♁	15°29'59" ♉	18°10'54"	-04°22'47"	02°38'49"	0.003
20/10/2031 00:00:00	X	26°33'53" ♄	01°23'00"	-09°29'22"	-00°00'36"	94.007
20/10/2031 00:00:00	Y	05°38'13" ♃	09°33'57"	-11°50'50"	-00°00'28"	80.848
21/10/2031 00:00:00	☉	27°23'45" ♈	-10°32'37"	00°00'00"	00°59'39"	0.996
21/10/2031 00:00:00	☾	26°52'40" ♏	-20°10'18"	03°13'33"	14°06'12"	0.002
21/10/2031 00:00:00	♀	14°37'22" ♎	-17°35'57"	-01°26'33"	01°27'33"	1.311
21/10/2031 00:00:00	♀	11°00'45" ♎	07°06'36"	-00°21'00"	00°59'22"	0.690
21/10/2031 00:00:00	♂	07°26'07" ♏	-25°06'13"	0-01°52'54"	00°43'19"	1.363
21/10/2031 00:00:00	♃	25°12'49" ♏	-23°12'55"	00°07'54"	00°10'07"	5.698
21/10/2031 00:00:00	♃	22°48'17" ♃	21°39'37"	-01°34'47"	-00°01'42"	8.429
21/10/2031 00:00:00	♃	27°07'33" ♃	23°32'43"	00°08'35"	-00°00'55"	18.576
21/10/2031 00:00:00	♃	13°50'13" ♄	03°58'07"	-01°36'54"	-00°01'36"	28.880
21/10/2031 00:00:00	♃	11°16'07" ♃	-23°46'19"	0-06°38'47"	-00°00'06"	36.661
21/10/2031 00:00:00	♁	19°05'33" ♎	-17°29'28"	00°00'00"	00°01'27"	0.003
21/10/2031 00:00:00	♃	19°57'58" ♄	15°25'32"	-02°23'19"	-00°02'44"	15.618
21/10/2031 00:00:00	☾	27°16'51" ♉	16°02'15"	-04°44'57"	00°06'42"	0.003
21/10/2031 00:00:00	♁	19°05'33" ♎	-17°29'28"	00°00'00"	00°01'27"	0.003

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21/10/2031 00:00:00	T♄	18°12'31" ♉	17°43'17"	-04°30'49"	02°42'50"	0.003
21/10/2031 00:00:00	X	26°33'17" ♏	01°22'49"	-09°29'20"	-00°00'36"	94.008
21/10/2031 00:00:00	Y	05°37'44" ♏	09°33'47"	-11°50'56"	-00°00'28"	80.837
22/10/2031 00:00:00	☉	28°23'25" ♋	-10°53'58"	00°00'00"	00°59'40"	0.995
22/10/2031 00:00:00	☾	11°00'57" ♌	-18°50'54"	04°08'31"	14°10'01"	0.002
22/10/2031 00:00:00	♀	16°04'35" ♍	-18°07'36"	-01°32'53"	01°26'51"	1.301
22/10/2031 00:00:00	♀	12°00'21" ♍	06°49'38"	-00°14'53"	00°59'49"	0.698
22/10/2031 00:00:00	♂	08°09'28" ♌	-25°03'08"	o-01°52'24"	00°43'24"	1.368
22/10/2031 00:00:00	♃	25°22'59" ♌	-23°13'23"	00°07'47"	00°10'13"	5.711
22/10/2031 00:00:00	♅	22°46'31" ♏	21°39'28"	-01°34'51"	-00°01'48"	8.415
22/10/2031 00:00:00	♁	27°06'37" ♏	23°32'43"	o 00°08'36"	-00°00'58"	18.561
22/10/2031 00:00:00	♃	13°48'36" ♏	03°57'30"	-01°36'53"	-00°01'36"	28.885
22/10/2031 00:00:00	♁	11°16'01" ♏	-23°46'14"	o-06°38'41"	-00°00'04"	36.678
22/10/2031 00:00:00	♁	19°06'50" ♍	-17°29'49"	00°00'00"	00°01'02"	0.003
22/10/2031 00:00:00	♃	19°55'12" ♏	15°24'39"	-02°23'28"	-00°02'46"	15.611
22/10/2031 00:00:00	♄	27°23'34" ♉	16°00'39"	-04°45'17"	00°06'42"	0.003
22/10/2031 00:00:00	T♁	19°06'50" ♍	-17°29'49"	00°00'00"	00°01'02"	0.003
22/10/2031 00:00:00	T♄	20°51'32" ♉	17°14'02"	-04°38'03"	02°34'50"	0.003
22/10/2031 00:00:00	X	26°32'41" ♏	01°22'39"	-09°29'18"	-00°00'36"	94.008

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22/10/2031 00:00:00	Y	05°37'15" ♀	09°33'37"	-11°51'01"	-00°00'29"	80.827
23/10/2031 00:00:00	☉	29°23'07" ♄	-11°15'09"	00°00'00"	00°59'42"	0.995
23/10/2031 00:00:00	☾	25°12'02" ♄	-16°21'31"	04°48'31"	14°11'48"	0.002
23/10/2031 00:00:00	♀	17°31'04" ♃	-18°38'20"	-01°39'04"	01°26'07"	1.290
23/10/2031 00:00:00	♀	13°00'24" ♃	06°32'16"	-00°08'52"	01°00'15"	0.706
23/10/2031 00:00:00	♂	08°52'56" ♄	-24°59'49"	o-01°51'54"	00°43'29"	1.374
23/10/2031 00:00:00	♃	25°33'16" ♄	-23°13'52"	00°07'39"	00°10'19"	5.724
23/10/2031 00:00:00	♃	22°44'40" ♀	21°39'18"	-01°34'55"	-00°01'54"	8.402
23/10/2031 00:00:00	♃	27°05'37" ♀	23°32'42"	o 00°08'37"	-00°01'01"	18.547
23/10/2031 00:00:00	♃	13°47'00" ♀	03°56'54"	-01°36'53"	-00°01'35"	28.889
23/10/2031 00:00:00	♃	11°15'57" ♄	-23°46'09"	o-06°38'34"	-00°00'03"	36.696
23/10/2031 00:00:00	♃	19°07'31" ♃	-17°30'00"	00°00'00"	00°00'17"	0.003
23/10/2031 00:00:00	♃	19°52'25" ♄	15°23'46"	-02°23'37"	-00°02'48"	15.604
23/10/2031 00:00:00	♃	27°30'17" ♄	15°59'02"	-04°45'38"	00°06'42"	0.003
23/10/2031 00:00:00	T♃	19°07'31" ♃	-17°30'00"	00°00'00"	00°00'17"	0.003
23/10/2031 00:00:00	T♃	23°25'14" ♄	16°43'44"	-04°44'25"	02°35'37"	0.003
23/10/2031 00:00:00	X	26°32'05" ♀	01°22'28"	-09°29'16"	-00°00'36"	94.009
23/10/2031 00:00:00	Y	05°36'45" ♀	09°33'27"	-11°51'06"	-00°00'29"	80.816
24/10/2031 00:00:00	☉	00°22'50" ♃	-11°36'09"	00°00'00"	00°59'44"	0.995

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24/10/2031 00:00:00	♃	09°23'52" ♁	-12°53'42"	05°10'59"	14°11'28"	0.002
24/10/2031 00:00:00	♆	18°56'49" ♎	-19°08'08"	-01°45'06"	01°25'22"	1.279
24/10/2031 00:00:00	♀	14°00'51" ♍	06°14'30"	-00°02'59"	01°00'40"	0.713
24/10/2031 00:00:00	♂	09°36'28" ♌	-24°56'14"	-01°51'23"	00°43'34"	1.379
24/10/2031 00:00:00	♈	25°43'38" ♈	-23°14'19"	00°07'32"	00°10'25"	5.736
24/10/2031 00:00:00	♄	22°42'42" ♉	21°39'08"	-01°34'59"	-00°02'01"	8.389
24/10/2031 00:00:00	♅	27°04'35" ♉	23°32'42"	00°08'38"	-00°01'03"	18.532
24/10/2031 00:00:00	♆	13°45'25" ♏	03°56'17"	-01°36'52"	-00°01'35"	28.895
24/10/2031 00:00:00	♁	11°15'55" ♁	-23°46'03"	-06°38'27"	-00°00'01"	36.713
24/10/2031 00:00:00	♎	19°07'21" ♎	-17°29'57"	00°00'00"	-00°00'37"	0.003
24/10/2031 00:00:00	♏	19°49'36" ♏	15°22'53"	-02°23'45"	-00°02'49"	15.597
24/10/2031 00:00:00	♏	27°37'00" ♏	15°57'26"	-04°45'58"	00°06'42"	0.003
24/10/2031 00:00:00	♎	19°07'21" ♎	-17°29'57"	00°00'00"	-00°00'37"	0.003
24/10/2031 00:00:00	♏	26°10'07" ♏	16°09'03"	-04°50'38"	02°57'18"	0.003
24/10/2031 00:00:00	X	26°31'29" ♏	01°22'18"	-09°29'13"	-00°00'36"	94.010
24/10/2031 00:00:00	Y	05°36'15" ♉	09°33'17"	-11°51'11"	-00°00'30"	80.806
25/10/2031 00:00:00	♃	01°22'35" ♎	-11°56'59"	00°00'00"	00°59'45"	0.995
25/10/2031 00:00:00	♃	23°34'13" ♁	-08°42'16"	05°14'32"	14°08'49"	0.002
25/10/2031 00:00:00	♆	20°21'48" ♎	-19°36'57"	-01°50'58"	01°24'35"	1.267

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25/10/2031 00:00:00	♀	15°01'44" ♍	05°56'21"	00°02'46"	01°01'04"	0.721
25/10/2031 00:00:00	♂	10°20'05" ♌	-24°52'24" ♁	-01°50'51"	00°43'39"	1.385
25/10/2031 00:00:00	♃	25°54'07" ♈	-23°14'46"	00°07'25"	00°10'31"	5.749
25/10/2031 00:00:00	♅	22°40'38" ♊	21°38'57"	-01°35'03"	-00°02'07"	8.376
25/10/2031 00:00:00	♁	27°03'29" ♊	23°32'42" ♁	00°08'39"	-00°01'06"	18.518
25/10/2031 00:00:00	♃	13°43'50" ♈	03°55'41"	-01°36'51"	-00°01'34"	28.900
25/10/2031 00:00:00	♁	11°15'54" ♁	-23°45'57" ♁	-06°38'21"	00°00'00"	36.731
25/10/2031 00:00:00	♁	19°06'19" ♍	-17°29'40"	00°00'00"	-00°01'26"	0.003
25/10/2031 00:00:00	♃	19°46'45" ♈	15°22'00"	-02°23'53"	-00°02'51"	15.591
25/10/2031 00:00:00	♁	27°43'42" ♁	15°55'49"	-04°46'18"	00°06'42"	0.003
25/10/2031 00:00:00	T♁	19°06'19" ♍	-17°29'40"	00°00'00"	-00°01'26"	0.003
25/10/2031 00:00:00	T♁	29°22'46" ♁	15°25'46"	-04°57'04"	03°27'20"	0.003
25/10/2031 00:00:00	X	26°30'53" ♈	01°22'08"	-09°29'11"	-00°00'36"	94.011
25/10/2031 00:00:00	Y	05°35'44" ♊	09°33'07"	-11°51'16"	-00°00'30"	80.796
26/10/2031 00:00:00	♁	02°22'22" ♍	-12°17'38"	00°00'00"	00°59'47"	0.994
26/10/2031 00:00:00	♃	07°40'37" ♈	-04°03'23"	04°59'08"	14°03'32"	0.002
26/10/2031 00:00:00	♁	21°45'59" ♍	-20°04'48"	-01°56'40"	01°23'46"	1.255
26/10/2031 00:00:00	♀	16°03'01" ♍	05°37'50"	00°08'25"	01°01'28"	0.728
26/10/2031 00:00:00	♂	11°03'48" ♌	-24°48'19" ♁	-01°50'20"	00°43'44"	1.390

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26/10/2031 00:00:00	♃	26°04'41" ♄	-23°15'13"	00°07'18"	00°10'37"	5.761
26/10/2031 00:00:00	♅	22°38'27" ♀	21°38'46"	-01°35'06"	-00°02'13"	8.363
26/10/2031 00:00:00	♅	27°02'21" ♀	23°32'41" ♁	00°08'40"	-00°01'09"	18.504
26/10/2031 00:00:00	♆	13°42'16" ♄	03°55'06"	-01°36'50"	-00°01'33"	28.905
26/10/2031 00:00:00	♁	11°15'55" ♁	-23°45'51" ♁	-06°38'14"	00°00'01"	36.748
26/10/2031 00:00:00	♁	19°04'34" ♃	-17°29'12"	00°00'00"	-00°01'59"	0.003
26/10/2031 00:00:00	♆	19°43'53" ♄	15°21'06"	-02°24'02"	-00°02'52"	15.584
26/10/2031 00:00:00	♁	27°50'25" ♁	15°54'12"	-04°46'38"	00°06'42"	0.003
26/10/2031 00:00:00	T♁	19°04'34" ♃	-17°29'12"	00°00'00"	-00°01'59"	0.003
26/10/2031 00:00:00	T♆	02°59'24" ♄	14°33'45"	-05°03'14"	03°41'34"	0.003
26/10/2031 00:00:00	X	26°30'17" ♄	01°21'57"	-09°29'08"	-00°00'36"	94.013
26/10/2031 00:00:00	Y	05°35'13" ♀	09°32'58"	-11°51'21"	-00°00'31"	80.786
27/10/2031 00:00:00	♁	03°22'10" ♃	-12°38'05"	00°00'00"	00°59'49"	0.994
27/10/2031 00:00:00	♁	21°40'20" ♃	00°46'25"	04°26'01"	13°55'24"	0.003
27/10/2031 00:00:00	♆	23°09'20" ♃	-20°31'37"	-02°02'09"	01°22'55"	1.243
27/10/2031 00:00:00	♀	17°04'41" ♃	05°18'58"	00°13'56"	01°01'51"	0.736
27/10/2031 00:00:00	♂	11°47'35" ♃	-24°43'59" ♁	-01°49'47"	00°43'49"	1.396
27/10/2031 00:00:00	♃	26°15'22" ♄	-23°15'38"	00°07'11"	00°10'43"	5.773
27/10/2031 00:00:00	♅	22°36'11" ♀	21°38'35"	-01°35'10"	-00°02'19"	8.350

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27/10/2031 00:00:00	♃	27°01'10" ♀r	23°32'40" ○	00°08'41"	-00°01'12"	18.490
27/10/2031 00:00:00	♅	13°40'42" ♂r	03°54'30"	-01°36'50"	-00°01'33"	28.911
27/10/2031 00:00:00	♁	11°15'58" ♁	-23°45'43" ○	-06°38'07"	00°00'03"	36.766
27/10/2031 00:00:00	♁	19°02'28" ♃r	-17°28'37"	00°00'00"	-00°02'09"	0.003
27/10/2031 00:00:00	♃	19°41'00" ♂r	15°20'12"	-02°24'10"	-00°02'53"	15.579
27/10/2031 00:00:00	♁	27°57'08" ♁	15°52'35"	-04°46'57"	00°06'42"	0.003
27/10/2031 00:00:00	T♁	19°02'28" ♃r	-17°28'37"	00°00'00"	-00°02'09"	0.003
27/10/2031 00:00:00	T♁	06°35'42" ♁	13°38'29"	-05°08'14"	03°25'35"	0.003
27/10/2031 00:00:00	X	26°29'41" ♂r	01°21'47"	-09°29'05"	-00°00'35"	94.015
27/10/2031 00:00:00	Y	05°34'42" ♀r	09°32'48"	-11°51'25"	-00°00'31"	80.777
28/10/2031 00:00:00	♁	04°22'00" ♃	-12°58'21"	00°00'00"	00°59'50"	0.994
28/10/2031 00:00:00	♃	05°30'28" ♂	05°31'04"	03°37'41"	13°44'24"	0.003
28/10/2031 00:00:00	♁	24°31'48" ♃	-20°57'24"	-02°07'25"	01°22'00"	1.229
28/10/2031 00:00:00	♀	18°06'44" ♃	04°59'44"	00°19'20"	01°02'14"	0.743
28/10/2031 00:00:00	♂	12°31'26" ♂	-24°39'24" ○	-01°49'15"	00°43'54"	1.402
28/10/2031 00:00:00	♃	26°26'08" ♂	-23°16'03"	00°07'04"	00°10'48"	5.785
28/10/2031 00:00:00	♃	22°33'48" ♀r	21°38'24"	-01°35'13"	-00°02'25"	8.338
28/10/2031 00:00:00	♃	26°59'56" ♀r	23°32'40" ○	00°08'42"	-00°01'15"	18.476
28/10/2031 00:00:00	♅	13°39'09" ♂r	03°53'55"	-01°36'49"	-00°01'32"	28.918

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28/10/2031 00:00:00	♁	11°16'02" ♁	-23°45'36" ♁	-06°38'00"	00°00'04"	36.784
28/10/2031 00:00:00	♁	19°00'22" ♁	-17°28'03"	00°00'00"	-00°01'58"	0.003
28/10/2031 00:00:00	♁	19°38'06" ♁	15°19'18"	-02°24'18"	-00°02'55"	15.573
28/10/2031 00:00:00	♁	28°03'50" ♁	15°50'58"	-04°47'17"	00°06'42"	0.003
28/10/2031 00:00:00	♁	19°00'22" ♁	-17°28'03"	00°00'00"	-00°01'58"	0.003
28/10/2031 00:00:00	♁	09°40'13" ♁	12°48'52"	-05°11'37"	02°38'43"	0.003
28/10/2031 00:00:00	X	26°29'05" ♁	01°21'37"	-09°29'03"	-00°00'35"	94.017
28/10/2031 00:00:00	Y	05°34'10" ♁	09°32'38"	-11°51'30"	-00°00'32"	80.767
29/10/2031 00:00:00	♁	05°21'52" ♁	-13°18'25"	00°00'00"	00°59'52"	0.993
29/10/2031 00:00:00	♁	19°08'17" ♁	09°55'13"	02°37'33"	13°30'49"	0.003
29/10/2031 00:00:00	♁	25°53'20" ♁	-21°22'07"	-02°12'28"	01°21'02"	1.216
29/10/2031 00:00:00	♁	19°09'09" ♁	04°40'10"	00°24'37"	01°02'36"	0.751
29/10/2031 00:00:00	♁	13°15'23" ♁	-24°34'33" ♁	-01°48'41"	00°43'58"	1.407
29/10/2031 00:00:00	♁	26°36'59" ♁	-23°16'27"	00°06'57"	00°10'54"	5.797
29/10/2031 00:00:00	♁	22°31'20" ♁	21°38'13"	-01°35'16"	-00°02'31"	8.326
29/10/2031 00:00:00	♁	26°58'39" ♁	23°32'39" ♁	00°08'43"	-00°01'18"	18.463
29/10/2031 00:00:00	♁	13°37'38" ♁	03°53'20"	-01°36'48"	-00°01'31"	28.924
29/10/2031 00:00:00	♁	11°16'08" ♁	-23°45'28" ♁	-06°37'54"	00°00'06"	36.801
29/10/2031 00:00:00	♁	18°58'38" ♁	-17°27'34"	00°00'00"	-00°01'28"	0.003

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29/10/2031 00:00:00	♄	19°35'10" ♎	15°18'24"	-02°24'25"	-00°02'56"	15.568
29/10/2031 00:00:00	♁	28°10'33" ♉	15°49'21"	-04°47'36"	00°06'42"	0.003
29/10/2031 00:00:00	♁	18°58'38" ♎	-17°27'34"	00°00'00"	-00°01'28"	0.003
29/10/2031 00:00:00	♁	11°45'12" ♎	12°13'59"	-05°13'30"	01°28'08"	0.003
29/10/2031 00:00:00	X	26°28'29" ♎	01°21'27"	-09°29'00"	-00°00'35"	94.019
29/10/2031 00:00:00	Y	05°33'37" ♎	09°32'29"	-11°51'34"	-00°00'32"	80.758
30/10/2031 00:00:00	♁	06°21'46" ♎	-13°38'16"	00°00'00"	00°59'54"	0.993
30/10/2031 00:00:00	♁	02°31'26" ♎	13°44'59"	01°29'42"	13°15'14"	0.003
30/10/2031 00:00:00	♁	27°13'52" ♎	-21°45'43"	-02°17'15"	01°20'00"	1.202
30/10/2031 00:00:00	♁	20°11'57" ♎	04°20'16"	00°29'46"	01°02'57"	0.758
30/10/2031 00:00:00	♁	13°59'24" ♎	-24°29'28"	0-01°48'08"	00°44'03"	1.413
30/10/2031 00:00:00	♁	26°47'56" ♎	-23°16'50"	00°06'50"	00°10'59"	5.809
30/10/2031 00:00:00	♁	22°28'46" ♎	21°38'01"	-01°35'20"	-00°02'36"	8.314
30/10/2031 00:00:00	♁	26°57'20" ♎	23°32'38"	00°08'43"	-00°01'20"	18.450
30/10/2031 00:00:00	♁	13°36'06" ♎	03°52'46"	-01°36'47"	-00°01'30"	28.931
30/10/2031 00:00:00	♁	11°16'15" ♎	-23°45'19"	0-06°37'47"	00°00'08"	36.819
30/10/2031 00:00:00	♁	18°57'28" ♎	-17°27'15"	00°00'00"	-00°00'49"	0.003
30/10/2031 00:00:00	♄	19°32'14" ♎	15°17'29"	-02°24'33"	-00°02'57"	15.563
30/10/2031 00:00:00	♁	28°17'16" ♉	15°47'44"	-04°47'56"	00°06'42"	0.003

Ephemerides year 2031

30/10/2031 00:00:00	T♁	18°57'28" ♍	-17°27'15"	00°00'00"	-00°00'49"	0.003
30/10/2031 00:00:00	T♄	12°32'33" ♋	12°00'22"	-05°14'16"	00°05'51"	0.003
30/10/2031 00:00:00	X	26°27'54" ♏	01°21'18"	-09°28'57"	-00°00'35"	94.022
30/10/2031 00:00:00	Y	05°33'04" ♏	09°32'19"	-11°51'38"	-00°00'32"	80.749
31/10/2031 00:00:00	☉	07°21'41" ♍	-13°57'54"	00°00'00"	00°59'56"	0.993
31/10/2031 00:00:00	☾	15°38'22" ♋	16°48'39"	00°18'19"	12°58'31"	0.003
31/10/2031 00:00:00	☿	28°33'20" ♍	-22°08'12"	-02°21'45"	01°18'53"	1.187
31/10/2031 00:00:00	♀	21°15'05" ♎	04°00'02"	00°34'47"	01°03'18"	0.766
31/10/2031 00:00:00	♂	14°43'29" ♌	-24°24'07"	0-01°47'33"	00°44'07"	1.418
31/10/2031 00:00:00	♃	26°58'59" ♈	-23°17'12"	00°06'43"	00°11'05"	5.821
31/10/2031 00:00:00	♅	22°26'06" ♏	21°37'49"	-01°35'23"	-00°02'42"	8.302
31/10/2031 00:00:00	♁	26°55'58" ♏	23°32'37"	00°08'44"	-00°01'23"	18.436
31/10/2031 00:00:00	♆	13°34'36" ♏	03°52'12"	-01°36'46"	-00°01'29"	28.938
31/10/2031 00:00:00	♁	11°16'24" ♏	-23°45'10"	0-06°37'40"	00°00'10"	36.837
31/10/2031 00:00:00	♁	18°56'59" ♍	-17°27'07"	00°00'00"	-00°00'09"	0.003
31/10/2031 00:00:00	♂	19°29'16" ♋	15°16'35"	-02°24'40"	-00°02'58"	15.558
31/10/2031 00:00:00	♁	28°23'59" ♋	15°46'06"	-04°48'15"	00°06'42"	0.003
31/10/2031 00:00:00	T♁	18°56'59" ♍	-17°27'07"	00°00'00"	-00°00'09"	0.003
31/10/2031 00:00:00	T♄	11°58'29" ♋	12°09'45"	-05°14'10"	-01°11'38"	0.003

Ephemerides year 2031

31/10/2031 00:00:00	X	26°27'18" ♄	01°21'08"	-09°28'53"	-00°00'35"	94.025
31/10/2031 00:00:00	Y	05°32'31" ♀	09°32'10"	-11°51'42"	-00°00'33"	80.741
01/11/2031 00:00:00	☉	08°21'39" ♈	-14°17'19"	-00°00'00"	00°59'58"	0.993
01/11/2031 00:00:00	☾	28°28'27" ♋	18°57'40"	-00°52'32"	12°41'44"	0.003
01/11/2031 00:00:00	♀	29°51'38" ♈	-22°29'31"	-02°25'58"	01°17'40"	1.172
01/11/2031 00:00:00	♀	22°18'34" ♈	03°39'30"	00°39'41"	01°03'39"	0.773
01/11/2031 00:00:00	♂	15°27'39" ♌	-24°18'32"	o-01°46'59"	00°44'12"	1.424
01/11/2031 00:00:00	♃	27°10'07" ♌	-23°17'34"	00°06'37"	00°11'10"	5.832
01/11/2031 00:00:00	♅	22°23'21" ♈	21°37'37"	-01°35'25"	-00°02'48"	8.290
01/11/2031 00:00:00	♁	26°54'33" ♈	23°32'36"	o 00°08'45"	-00°01'25"	18.423
01/11/2031 00:00:00	♃	13°33'07" ♈	03°51'39"	-01°36'44"	-00°01'28"	28.945
01/11/2031 00:00:00	♁	11°16'35" ♁	-23°45'00"	o-06°37'33"	00°00'11"	36.855
01/11/2031 00:00:00	♁	18°57'07" ♈	-17°27'09"	00°00'00"	00°00'24"	0.003
01/11/2031 00:00:00	♃	19°26'18" ♈	15°15'40"	-02°24'47"	-00°02'58"	15.554
01/11/2031 00:00:00	♁	28°30'42" ♁	15°44'28"	-04°48'34"	00°06'42"	0.003
01/11/2031 00:00:00	T♁	18°57'07" ♈	-17°27'09"	00°00'00"	00°00'24"	0.003
01/11/2031 00:00:00	T♃	10°16'55" ♈	12°37'50"	-05°13'08"	-02°06'23"	0.003
01/11/2031 00:00:00	X	26°26'43" ♄	01°20'59"	-09°28'50"	-00°00'35"	94.028
01/11/2031 00:00:00	Y	05°31'58" ♀	09°32'00"	-11°51'46"	-00°00'33"	80.733

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02/11/2031 00:00:00	☉	09°21'39" ♍	-14°36'30"	-00°00'00"	01°00'00"	0.992
02/11/2031 00:00:00	☾	11°02'10" ♍	20°07'17"	-01°59'23"	12°25'57"	0.003
02/11/2031 00:00:00	♀	01°08'39" ♋	-22°49'38"	-02°29'50"	01°16'21"	1.156
02/11/2031 00:00:00	♀	23°22'24" ♍	03°18'39"	00°44'28"	01°03'59"	0.781
02/11/2031 00:00:00	♂	16°11'53" ♌	-24°12'41"	o-01°46'24"	00°44'16"	1.429
02/11/2031 00:00:00	♃	27°21'21" ♋	-23°17'55"	00°06'30"	00°11'15"	5.843
02/11/2031 00:00:00	♄	22°20'29" ♉	21°37'24"	-01°35'28"	-00°02'53"	8.279
02/11/2031 00:00:00	♅	26°53'06" ♉	23°32'35"	o 00°08'46"	-00°01'28"	18.411
02/11/2031 00:00:00	♆	13°31'39" ♏	03°51'06"	-01°36'43"	-00°01'27"	28.953
02/11/2031 00:00:00	♇	11°16'48" ♎	-23°44'50"	o-06°37'27"	00°00'13"	36.873
02/11/2031 00:00:00	♁	18°57'44" ♍	-17°27'19"	00°00'00"	00°00'46"	0.003
02/11/2031 00:00:00	♂	19°23'18" ♏	15°14'45"	-02°24'54"	-00°02'59"	15.549
02/11/2031 00:00:00	♁	28°37'24" ♎	15°42'51"	-04°48'52"	00°06'42"	0.003
02/11/2031 00:00:00	T♁	18°57'44" ♍	-17°27'19"	00°00'00"	00°00'46"	0.003
02/11/2031 00:00:00	T♃	07°57'14" ♋	13°15'34"	-05°11'07"	-02°27'02"	0.003
02/11/2031 00:00:00	X	26°26'07" ♏	01°20'50"	-09°28'47"	-00°00'35"	94.032
02/11/2031 00:00:00	Y	05°31'24" ♉	09°31'51"	-11°51'50"	-00°00'34"	80.725
03/11/2031 00:00:00	☉	10°21'41" ♍	-14°55'27"	-00°00'00"	01°00'02"	0.992
03/11/2031 00:00:00	☾	23°21'03" ♍	20°16'50"	-02°59'22"	12°12'14"	0.003

Ephemerides year 2031

03/11/2031 00:00:00	♀	02°24'18" ♄	-23°08'32"	-02°33'22"	01°14'54"	1.140
03/11/2031 00:00:00	♀	24°26'32" ♃	02°57'32"	00°49'07"	01°04'18"	0.788
03/11/2031 00:00:00	♂	16°56'12" ♄	-24°06'36"	o-01°45'48"	00°44'20"	1.435
03/11/2031 00:00:00	♃	27°32'39" ♄	-23°18'14"	00°06'23"	00°11'21"	5.855
03/11/2031 00:00:00	♃	22°17'33" ♃	21°37'11"	-01°35'31"	-00°02'59"	8.268
03/11/2031 00:00:00	♃	26°51'36" ♃	23°32'33"	o 00°08'47"	-00°01'31"	18.398
03/11/2031 00:00:00	♃	13°30'12" ♃	03°50'33"	-01°36'42"	-00°01'26"	28.961
03/11/2031 00:00:00	♃	11°17'02" ♃	-23°44'39"	o-06°37'20"	00°00'15"	36.890
03/11/2031 00:00:00	♃	18°58'35" ♃	-17°27'33"	00°00'00"	00°00'54"	0.003
03/11/2031 00:00:00	♃	19°20'18" ♃	15°13'50"	-02°25'01"	-00°03'00"	15.546
03/11/2031 00:00:00	♃	28°44'07" ♃	15°41'13"	-04°49'11"	00°06'42"	0.003
03/11/2031 00:00:00	T♃	18°58'35" ♃	-17°27'33"	00°00'00"	00°00'54"	0.003
03/11/2031 00:00:00	T♃	05°33'28" ♃	13°53'12"	-05°08'28"	-02°16'13"	0.003
03/11/2031 00:00:00	X	26°25'32" ♃	01°20'41"	-09°28'43"	-00°00'34"	94.036
03/11/2031 00:00:00	Y	05°30'50" ♃	09°31'42"	-11°51'54"	-00°00'34"	80.717
04/11/2031 00:00:00	♃	11°21'44" ♃	-15°14'10"	-00°00'00"	01°00'04"	0.992
04/11/2031 00:00:00	♃	05°27'39" ♃	19°29'10"	-03°50'15"	12°01'30"	0.003
04/11/2031 00:00:00	♀	03°38'25" ♄	-23°26'09"	o-02°36'30"	01°13'18"	1.123
04/11/2031 00:00:00	♀	25°31'00" ♃	02°36'07"	00°53'38"	01°04'36"	0.796

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04/11/2031 00:00:00	♂	17°40'34" ♉	-24°00'15" ♁	-01°45'12"	00°44'24"	1.441
04/11/2031 00:00:00	♃	27°44'03" ♈	-23°18'33"	00°06'16"	00°11'26"	5.866
04/11/2031 00:00:00	♅	22°14'31" ♊	21°36'59"	-01°35'33"	-00°03'04"	8.257
04/11/2031 00:00:00	♁	26°50'03" ♊	23°32'32" ♁	00°08'48"	-00°01'33"	18.386
04/11/2031 00:00:00	♃	13°28'45" ♈	03°50'01"	-01°36'41"	-00°01'25"	28.969
04/11/2031 00:00:00	♁	11°17'18" ♁	-23°44'28" ♁	-06°37'13"	00°00'16"	36.908
04/11/2031 00:00:00	♁	18°59'28" ♎	-17°27'48"	00°00'00"	00°00'50"	0.003
04/11/2031 00:00:00	♃	19°17'17" ♈	15°12'55"	-02°25'08"	-00°03'01"	15.542
04/11/2031 00:00:00	♁	28°50'50" ♁	15°39'35"	-04°49'30"	00°06'42"	0.003
04/11/2031 00:00:00	♁	18°59'28" ♎	-17°27'48"	00°00'00"	00°00'50"	0.003
04/11/2031 00:00:00	♁	03°30'32" ♎	14°24'20"	-05°05'43"	-01°48'16"	0.003
04/11/2031 00:00:00	X	26°24'57" ♈	01°20'32"	-09°28'40"	-00°00'34"	94.040
04/11/2031 00:00:00	Y	05°30'15" ♊	09°31'33"	-11°51'57"	-00°00'34"	80.709
05/11/2031 00:00:00	♁	12°21'50" ♎	-15°32'38"	-00°00'00"	01°00'06"	0.992
05/11/2031 00:00:00	♁	17°25'18" ♁	17°49'40"	-04°30'27"	11°54'29"	0.003
05/11/2031 00:00:00	♃	04°50'51" ♈	-23°42'28" ♁	-02°39'14"	01°11'31"	1.106
05/11/2031 00:00:00	♀	26°35'46" ♎	02°14'27"	00°58'02"	01°04'54"	0.803
05/11/2031 00:00:00	♂	18°25'01" ♉	-23°53'40" ♁	-01°44'36"	00°44'28"	1.446
05/11/2031 00:00:00	♃	27°55'32" ♈	-23°18'51"	00°06'10"	00°11'31"	5.877

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05/11/2031 00:00:00	♄	22°11'23" ♀	21°36'45"	-01°35'35"	-00°03'10"	8.246
05/11/2031 00:00:00	♃	26°48'28" ♀	23°32'31" ○	00°08'49"	-00°01'36"	18.374
05/11/2031 00:00:00	♃	13°27'20" ♀	03°49'29"	-01°36'39"	-00°01'24"	28.977
05/11/2031 00:00:00	♃	11°17'36" ♀	-23°44'17" ○	-06°37'06"	00°00'18"	36.926
05/11/2031 00:00:00	♃	19°00'13" ♀	-17°28'00"	00°00'00"	00°00'37"	0.002
05/11/2031 00:00:00	♃	19°14'16" ♀	15°12'00"	-02°25'15"	-00°03'01"	15.539
05/11/2031 00:00:00	♃	28°57'33" ♀	15°37'56"	-04°49'48"	00°06'42"	0.003
05/11/2031 00:00:00	♃	19°00'13" ♀	-17°28'00"	00°00'00"	00°00'37"	0.002
05/11/2031 00:00:00	♃	01°57'00" ♀	14°47'21"	-05°03'21"	-01°19'55"	0.003
05/11/2031 00:00:00	X	26°24'23" ♀	01°20'23"	-09°28'36"	-00°00'34"	94.045
05/11/2031 00:00:00	Y	05°29'40" ♀	09°31'23"	-11°52'00"	-00°00'35"	80.702
06/11/2031 00:00:00	♃	13°21'58" ♀	-15°50'50"	-00°00'00"	01°00'08"	0.991
06/11/2031 00:00:00	♃	29°18'03" ♀	15°25'04"	-04°58'45"	11°51'45"	0.003
06/11/2031 00:00:00	♃	06°01'25" ♀	-23°57'27" ○	-02°41'30"	01°09'33"	1.088
06/11/2031 00:00:00	♃	27°40'50" ♀	01°52'31"	01°02'19"	01°05'12"	0.811
06/11/2031 00:00:00	♃	19°09'32" ♀	-23°46'49" ○	-01°43'59"	00°44'32"	1.452
06/11/2031 00:00:00	♃	28°07'05" ♀	-23°19'08"	00°06'03"	00°11'36"	5.887
06/11/2031 00:00:00	♄	22°08'10" ♀	21°36'32"	-01°35'37"	-00°03'15"	8.236
06/11/2031 00:00:00	♃	26°46'51" ♀	23°32'29" ○	00°08'50"	-00°01'38"	18.362

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06/11/2031 00:00:00	♁	13°25'56" ♄	03°48'58"	-01°36'38"	-00°01'23"	28.986
06/11/2031 00:00:00	♁	11°17'55" ♁	-23°44'05"	o-06°36'59"	00°00'20"	36.944
06/11/2031 00:00:00	♁	19°00'43" ♃	-17°28'08"	00°00'00"	00°00'20"	0.002
06/11/2031 00:00:00	♁	19°11'14" ♄	15°11'05"	-02°25'21"	-00°03'02"	15.536
06/11/2031 00:00:00	♁	29°04'16" ♃	15°36'18"	-04°50'06"	00°06'42"	0.003
06/11/2031 00:00:00	T♁	19°00'43" ♃	-17°28'08"	00°00'00"	00°00'20"	0.002
06/11/2031 00:00:00	T♁	00°46'39" ♄	15°04'16"	-05°01'24"	-01°03'26"	0.003
06/11/2031 00:00:00	X	26°23'48" ♄	01°20'14"	-09°28'32"	-00°00'34"	94.050
06/11/2031 00:00:00	Y	05°29'05" ♄	09°31'15"	-11°52'04"	-00°00'35"	80.695
07/11/2031 00:00:00	♁	14°22'08" ♃	-16°08'47"	-00°00'00"	01°00'11"	0.991
07/11/2031 00:00:00	♁	11°10'21" ♄	12°22'34"	-05°14'18"	11°53'38"	0.003
07/11/2031 00:00:00	♁	07°09'54" ♄	-24°11'02"	o-02°43'17"	01°07'22"	1.069
07/11/2031 00:00:00	♁	28°46'11" ♃	01°30'20"	01°06'28"	01°05'29"	0.818
07/11/2031 00:00:00	♁	19°54'07" ♄	-23°39'44"	o-01°43'21"	00°44'36"	1.457
07/11/2031 00:00:00	♁	28°18'44" ♄	-23°19'24"	00°05'56"	00°11'40"	5.898
07/11/2031 00:00:00	♁	22°04'52" ♄	21°36'19"	-01°35'39"	-00°03'20"	8.226
07/11/2031 00:00:00	♁	26°45'11" ♄	23°32'28"	o 00°08'51"	-00°01'41"	18.350
07/11/2031 00:00:00	♁	13°24'33" ♄	03°48'27"	-01°36'36"	-00°01'22"	28.995
07/11/2031 00:00:00	♁	11°18'16" ♁	-23°43'52"	o-06°36'53"	00°00'21"	36.962

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07/11/2031 00:00:00	♏	19°00'55" ♎	-17°28'11"	00°00'00"	00°00'04"	0.002
07/11/2031 00:00:00	♋	19°08'11" ♉	15°10'10"	-02°25'27"	-00°03'02"	15.534
07/11/2031 00:00:00	♌	29°10'59" ♈	15°34'40"	-04°50'24"	00°06'42"	0.003
07/11/2031 00:00:00	♏	19°00'55" ♎	-17°28'11"	00°00'00"	00°00'04"	0.002
07/11/2031 00:00:00	♌	29°44'01" ♈	15°19'02"	-04°59'33"	-01°05'07"	0.003
07/11/2031 00:00:00	X	26°23'14" ♉	01°20'06"	-09°28'28"	-00°00'34"	94.055
07/11/2031 00:00:00	Y	05°28'29" ♉	09°31'06"	-11°52'07"	-00°00'35"	80.689
08/11/2031 00:00:00	♏	15°22'20" ♎	-16°26'27"	-00°00'00"	01°00'13"	0.991
08/11/2031 00:00:00	♃	23°06'54" ♈	08°49'14"	-05°16'26"	12°00'14"	0.003
08/11/2031 00:00:00	♌	08°16'05" ♈	-24°23'11"	o-02°44'31"	01°04'55"	1.050
08/11/2031 00:00:00	♌	29°51'48" ♈	01°07'56"	01°10'30"	01°05'45"	0.826
08/11/2031 00:00:00	♌	20°38'46" ♈	-23°32'24"	o-01°42'44"	00°44'40"	1.463
08/11/2031 00:00:00	♉	28°30'27" ♈	-23°19'39"	00°05'50"	00°11'45"	5.908
08/11/2031 00:00:00	♉	22°01'29" ♉	21°36'05"	-01°35'41"	-00°03'25"	8.216
08/11/2031 00:00:00	♉	26°43'28" ♉	23°32'26"	o 00°08'52"	-00°01'43"	18.339
08/11/2031 00:00:00	♌	13°23'11" ♈	03°47'56"	-01°36'35"	-00°01'21"	29.004
08/11/2031 00:00:00	♌	11°18'39" ♈	-23°43'39"	o-06°36'46"	00°00'23"	36.980
08/11/2031 00:00:00	♏	19°00'53" ♎	-17°28'11"	00°00'00"	-00°00'07"	0.002
08/11/2031 00:00:00	♋	19°05'08" ♉	15°09'15"	-02°25'33"	-00°03'03"	15.531

Ephemerides year 2031

08/11/2031 00:00:00	☾	29°17'42" ♉	15°33'01"	-04°50'42"	00°06'42"	0.003
08/11/2031 00:00:00	♁	19°00'53" ♎	-17°28'11"		00°00'00" -00°00'07"	0.002
08/11/2031 00:00:00	♁	28°29'52" ♉	15°36'08"	-04°57'14"	-01°26'17"	0.003
08/11/2031 00:00:00	X	26°22'39" ♎	01°19'58"	-09°28'24"	-00°00'34"	94.060
08/11/2031 00:00:00	Y	05°27'54" ♉	09°30'57"	-11°52'10"	-00°00'36"	80.682
09/11/2031 00:00:00	☉	16°22'34" ♎	-16°43'52"	-00°00'00"	01°00'15"	0.991
09/11/2031 00:00:00	☾	05°12'22" ♎	04°52'10"	-05°04'44"	12°11'26"	0.003
09/11/2031 00:00:00	♀	09°19'39" ♎	-24°33'52"	o-02°45'11"	01°02'10"	1.031
09/11/2031 00:00:00	♀	00°57'42" ♉	00°45'18"	01°14'23"	01°06'01"	0.833
09/11/2031 00:00:00	♂	21°23'29" ♎	-23°24'49"	-01°42'05"	00°44'44"	1.469
09/11/2031 00:00:00	♂	28°42'15" ♎	-23°19'53"	00°05'43"	00°11'50"	5.919
09/11/2031 00:00:00	♁	21°58'00" ♉	21°35'51"	-01°35'43"	-00°03'30"	8.206
09/11/2031 00:00:00	♁	26°41'43" ♉	23°32'24"	o 00°08'53"	-00°01'46"	18.328
09/11/2031 00:00:00	♁	13°21'50" ♎	03°47'26"	-01°36'33"	-00°01'20"	29.013
09/11/2031 00:00:00	♁	11°19'03" ♎	-23°43'26"	o-06°36'39"	00°00'25"	36.997
09/11/2031 00:00:00	♁	19°00'42" ♎	-17°28'08"	00°00'00"	-00°00'12"	0.002
09/11/2031 00:00:00	♁	19°02'04" ♎	15°08'20"	-02°25'39"	-00°03'03"	15.529
09/11/2031 00:00:00	☾	29°24'25" ♉	15°31'22"	-04°51'00"	00°06'42"	0.003
09/11/2031 00:00:00	♁	19°00'42" ♎	-17°28'08"		00°00'00" -00°00'12"	0.002

Ephemerides year 2031

09/11/2031 00:00:00	T♄	26°46'02" ♉	15°59'22"	-04°53'46"	-02°03'26"	0.003
09/11/2031 00:00:00	X	26°22'05" ♉	01°19'49"	-09°28'20"	-00°00'33"	94.066
09/11/2031 00:00:00	Y	05°27'17" ♉	09°30'48"	-11°52'12"	-00°00'36"	80.676
10/11/2031 00:00:00	☉	17°22'50" ♎	-17°00'59"	-00°00'00"	01°00'17"	0.990
10/11/2031 00:00:00	☾	17°31'10" ♎	00°38'47"	-04°38'58"	12°26'47"	0.003
10/11/2031 00:00:00	♀	10°20'19" ♉	-24°43'02"	o-02°45'12"	00°59'05"	1.011
10/11/2031 00:00:00	♀	02°03'52" ♉	00°22'28"	01°18'10"	01°06'17"	0.840
10/11/2031 00:00:00	♂	22°08'15" ♉	-23°17'00"	-01°41'27"	00°44'48"	1.474
10/11/2031 00:00:00	♂	28°54'08" ♉	-23°20'06"	00°05'37"	00°11'54"	5.929
10/11/2031 00:00:00	♃	21°54'27" ♉	21°35'37"	-01°35'44"	-00°03'35"	8.196
10/11/2031 00:00:00	♃	26°39'56" ♉	23°32'23"	o 00°08'54"	-00°01'48"	18.317
10/11/2031 00:00:00	♃	13°20'30" ♉	03°46'57"	-01°36'32"	-00°01'19"	29.023
10/11/2031 00:00:00	♃	11°19'29" ♉	-23°43'12"	o-06°36'32"	00°00'26"	37.015
10/11/2031 00:00:00	♃	19°00'30" ♎	-17°28'05"	00°00'00"	-00°00'10"	0.002
10/11/2031 00:00:00	♃	18°59'01" ♉	15°07'24"	-02°25'45"	-00°03'03"	15.528
10/11/2031 00:00:00	♃	29°31'07" ♉	15°29'44"	-04°51'18"	00°06'42"	0.003
10/11/2031 00:00:00	T♃	19°00'30" ♎	-17°28'05"	00°00'00"	-00°00'10"	0.002
10/11/2031 00:00:00	T♄	24°20'42" ♉	16°30'28"	-04°48'27"	-02°47'14"	0.003
10/11/2031 00:00:00	X	26°21'31" ♉	01°19'42"	-09°28'16"	-00°00'33"	94.072

Ephemerides year 2031

10/11/2031 00:00:00	Y	05°26'41" ♀	09°30'40"	-11°52'15"	-00°00'36"	80.670
11/11/2031 00:00:00	☉	18°23'08" ♎	-17°17'48"	-00°00'00"	01°00'19"	0.990
11/11/2031 00:00:00	☾	00°07'06" ♋	-03°42'23"	-03°59'20"	12°45'31"	0.003
11/11/2031 00:00:00	♀	11°17'43" ♈	-24°50'36"	0-02°44'31"	00°55'38"	0.991
11/11/2031 00:00:00	♀	03°10'17" ♋	-00°00'32"	01°21'49"	01°06'32"	0.848
11/11/2031 00:00:00	♂	22°53'05" ♁	-23°08'56"	-01°40'47"	00°44'52"	1.480
11/11/2031 00:00:00	♃	29°06'05" ♈	-23°20'18"	00°05'30"	00°11'59"	5.939
11/11/2031 00:00:00	♄	21°50'48" ♀	21°35'22"	-01°35'45"	-00°03'40"	8.187
11/11/2031 00:00:00	♅	26°38'07" ♀	23°32'21"	o 00°08'55"	-00°01'50"	18.306
11/11/2031 00:00:00	♆	13°19'12" ♀	03°46'28"	-01°36'30"	-00°01'17"	29.033
11/11/2031 00:00:00	♇	11°19'57" ♎	-23°42'58"	o-06°36'26"	00°00'28"	37.033
11/11/2031 00:00:00	♈	19°00'22" ♎	-17°28'02"	00°00'00"	-00°00'04"	0.002
11/11/2031 00:00:00	♉	18°55'57" ♄	15°06'29"	-02°25'50"	-00°03'03"	15.527
11/11/2031 00:00:00	♊	29°37'50" ♃	15°28'05"	-04°51'35"	00°06'42"	0.003
11/11/2031 00:00:00	T♋	19°00'22" ♎	-17°28'02"	00°00'00"	-00°00'04"	0.002
11/11/2031 00:00:00	T♌	21°14'25" ♃	17°07'47"	-04°40'54"	-03°22'25"	0.003
11/11/2031 00:00:00	X	26°20'58" ♀	01°19'34"	-09°28'11"	-00°00'33"	94.078
11/11/2031 00:00:00	Y	05°26'04" ♀	09°30'31"	-11°52'17"	-00°00'36"	80.665
12/11/2031 00:00:00	☉	19°23'28" ♎	-17°34'20"	-00°00'00"	01°00'20"	0.990

Ephemerides year 2031

12/11/2031 00:00:00	♃	13°02'59" ♃	-08°00'58"	-03°06'38"	13°06'30"	0.003
12/11/2031 00:00:00	♆	12°11'27" ♆	-24°56'32"	♁-02°43'04"	00°51'44"	0.970
12/11/2031 00:00:00	♀	04°16'56" ♃	-00°23'45"	01°25'20"	01°06'46"	0.855
12/11/2031 00:00:00	♂	23°37'59" ♁	-23°00'37"	-01°40'08"	00°44'55"	1.485
12/11/2031 00:00:00	♃	29°18'06" ♆	-23°20'29"	00°05'24"	00°12'03"	5.949
12/11/2031 00:00:00	♁	21°47'05" ♃	21°35'08"	-01°35'46"	-00°03'45"	8.178
12/11/2031 00:00:00	♁	26°36'15" ♃	23°32'19"	♁ 00°08'55"	-00°01'52"	18.295
12/11/2031 00:00:00	♃	13°17'55" ♃	03°46'00"	-01°36'28"	-00°01'16"	29.043
12/11/2031 00:00:00	♁	11°20'26" ♃	-23°42'43"	♁-06°36'19"	00°00'30"	37.051
12/11/2031 00:00:00	♁	19°00'21" ♃	-17°28'02"	00°00'00"	00°00'02"	0.002
12/11/2031 00:00:00	♁	18°52'53" ♃	15°05'35"	-02°25'56"	-00°03'03"	15.526
12/11/2031 00:00:00	♁	29°44'33" ♃	15°26'26"	-04°51'53"	00°06'42"	0.003
12/11/2031 00:00:00	♁	19°00'21" ♃	-17°28'02"	00°00'00"	00°00'02"	0.002
12/11/2031 00:00:00	♁	17°44'08" ♃	17°46'22"	-04°31'23"	-03°33'01"	0.003
12/11/2031 00:00:00	X	26°20'24" ♃	01°19'26"	-09°28'07"	-00°00'33"	94.085
12/11/2031 00:00:00	Y	05°25'27" ♃	09°30'23"	-11°52'20"	-00°00'37"	80.660
13/11/2031 00:00:00	♁	20°23'50" ♃	-17°50'34"	-00°00'00"	01°00'22"	0.990
13/11/2031 00:00:00	♃	26°20'22" ♃	-12°03'58"	-02°02'33"	13°28'16"	0.003
13/11/2031 00:00:00	♆	13°01'03" ♆	-25°00'47"	♁-02°40'47"	00°47'22"	0.949

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13/11/2031 00:00:00	♀	05°23'50" ♈	-00°47'08"	01°28'44"	01°07'00"	0.863
13/11/2031 00:00:00	♂	24°22'57" ♉	-22°52'04"	-01°39'28"	00°44'59"	1.491
13/11/2031 00:00:00	♋	29°30'12" ♉	-23°20'39"	00°05'17"	00°12'08"	5.958
13/11/2031 00:00:00	♄	21°43'18" ♉r	21°34'53"	-01°35'47"	-00°03'49"	8.170
13/11/2031 00:00:00	♅	26°34'21" ♉r	23°32'17" ♁	00°08'56"	-00°01'55"	18.285
13/11/2031 00:00:00	♆	13°16'39" ♉r	03°45'32"	-01°36'27"	-00°01'15"	29.054
13/11/2031 00:00:00	♁	11°20'57" ♁	-23°42'28" ♁	-06°36'13"	00°00'31"	37.068
13/11/2031 00:00:00	♁	19°00'27" ♁	-17°28'04"	00°00'00"	00°00'06"	0.002
13/11/2031 00:00:00	♂	18°49'49" ♁r	15°04'40"	-02°26'01"	-00°03'03"	15.525
13/11/2031 00:00:00	♁	29°51'16" ♁	15°24'46"	-04°52'10"	00°06'42"	0.003
13/11/2031 00:00:00	T♁	19°00'27" ♁	-17°28'04"	00°00'00"	00°00'06"	0.002
13/11/2031 00:00:00	T♁	14°18'59" ♁r	18°20'12"	-04°21'06"	-03°12'21"	0.003
13/11/2031 00:00:00	X	26°19'51" ♉r	01°19'19"	-09°28'02"	-00°00'32"	94.091
13/11/2031 00:00:00	Y	05°24'50" ♉r	09°30'15"	-11°52'22"	-00°00'37"	80.655
14/11/2031 00:00:00	♁	21°24'14" ♁	-18°06'30"	-00°00'00"	01°00'24"	0.990
14/11/2031 00:00:00	♁	09°59'12" ♁	-15°35'43"	-00°49'53"	13°49'06"	0.003
14/11/2031 00:00:00	♁	13°46'01" ♉	-25°03'15" ♁	-02°37'36"	00°42'27"	0.928
14/11/2031 00:00:00	♀	06°30'58" ♈	-01°10'41"	01°32'00"	01°07'14"	0.870
14/11/2031 00:00:00	♂	25°07'59" ♉	-22°43'16"	-01°38'48"	00°45'03"	1.497

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14/11/2031 00:00:00	♃	29°42'23" ♄	-23°20'47"	00°05'11"	00°12'12"	5.968
14/11/2031 00:00:00	♅	21°39'26" ♁	21°34'38"	-01°35'48"	-00°03'54"	8.161
14/11/2031 00:00:00	♅	26°32'25" ♁	23°32'14" ♁	00°08'57"	-00°01'57"	18.275
14/11/2031 00:00:00	♆	13°15'24" ♁	03°45'05"	-01°36'25"	-00°01'13"	29.064
14/11/2031 00:00:00	♁	11°21'29" ♁	-23°42'12" ♁	-06°36'06"	00°00'33"	37.086
14/11/2031 00:00:00	♁	19°00'33" ♁	-17°28'05"	00°00'00"	00°00'05"	0.002
14/11/2031 00:00:00	♅	18°46'45" ♁	15°03'45"	-02°26'06"	-00°03'03"	15.524
14/11/2031 00:00:00	♁	29°57'59" ♁	15°23'07"	-04°52'27"	00°06'42"	0.003
14/11/2031 00:00:00	♁	19°00'33" ♁	-17°28'05"	00°00'00"	00°00'05"	0.002
14/11/2031 00:00:00	♁	11°27'01" ♁	18°45'33"	-04°11'44"	-02°29'14"	0.003
14/11/2031 00:00:00	X	26°19'18" ♁	01°19'11"	-09°27'58"	-00°00'32"	94.098
14/11/2031 00:00:00	Y	05°24'12" ♁	09°30'06"	-11°52'24"	-00°00'37"	80.650
15/11/2031 00:00:00	♁	22°24'39" ♁	-18°22'06"	00°00'00"	01°00'26"	0.989
15/11/2031 00:00:00	♁	23°57'40" ♁	-18°18'53"	00°27'27"	14°07'13"	0.002
15/11/2031 00:00:00	♆	14°25'47" ♄	-25°03'53" ♁	-02°33'25"	00°36'57"	0.907
15/11/2031 00:00:00	♁	07°38'19" ♁	-01°34'22"	01°35'09"	01°07'27"	0.877
15/11/2031 00:00:00	♂	25°53'04" ♁	-22°34'15"	-01°38'07"	00°45'06"	1.502
15/11/2031 00:00:00	♃	29°54'37" ♄	-23°20'55"	00°05'05"	00°12'16"	5.977
15/11/2031 00:00:00	♅	21°35'30" ♁	21°34'22"	-01°35'48"	-00°03'58"	8.153

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15/11/2031 00:00:00	♃	26°30'27" ♀r	23°32'12" ○	00°08'58"	-00°01'59"	18.265
15/11/2031 00:00:00	♃	13°14'11" ♀r	03°44'38"	-01°36'23"	-00°01'12"	29.075
15/11/2031 00:00:00	♃	11°22'04" ♀r	-23°41'56" ○	-06°35'59"	00°00'35"	37.104
15/11/2031 00:00:00	♃	19°00'35" ♀r	-17°28'06"	00°00'00"	-00°00'03"	0.002
15/11/2031 00:00:00	♃	18°43'41" ♀r	15°02'51"	-02°26'10"	-00°03'03"	15.524
15/11/2031 00:00:00	♃	00°04'42" ♀r	15°21'27"	-04°52'44"	00°06'43"	0.003
15/11/2031 00:00:00	♃	19°00'35" ♀r	-17°28'06"	00°00'00"	-00°00'03"	0.002
15/11/2031 00:00:00	♃	09°21'43" ♀r	19°02'16"	-04°04'29"	-01°42'22"	0.003
15/11/2031 00:00:00	X	26°18'46" ♀r	01°19'04"	-09°27'53"	-00°00'32"	94.106
15/11/2031 00:00:00	Y	05°23'35" ♀r	09°29'58"	-11°52'26"	-00°00'37"	80.646
16/11/2031 00:00:00	♃	23°25'07" ♀r	-18°37'23"	00°00'00"	01°00'28"	0.989
16/11/2031 00:00:00	♃	08°12'14" ♀r	-19°56'57"	01°44'31"	14°21'04"	0.002
16/11/2031 00:00:00	♃	14°59'43" ♀r	-25°02'35" ○	-02°28'10"	00°30'48"	0.885
16/11/2031 00:00:00	♃	08°45'54" ♀r	-01°58'11"	01°38'10"	01°07'40"	0.885
16/11/2031 00:00:00	♃	26°38'12" ♀r	-22°24'59"	-01°37'26"	00°45'10"	1.508
16/11/2031 00:00:00	♃	00°06'56" ♀r	-23°21'01"	00°04'58"	00°12'20"	5.986
16/11/2031 00:00:00	♃	21°31'29" ♀r	21°34'07"	-01°35'48"	-00°04'02"	8.145
16/11/2031 00:00:00	♃	26°28'27" ♀r	23°32'10" ○	00°08'59"	-00°02'01"	18.256
16/11/2031 00:00:00	♃	13°13'00" ♀r	03°44'12"	-01°36'21"	-00°01'10"	29.087

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16/11/2031 00:00:00	♁	11°22'39" ♁	-23°41'40" ♁	-06°35'53"	00°00'36"	37.121
16/11/2031 00:00:00	♁	19°00'24" ♁	-17°28'03"	00°00'00"	-00°00'18"	0.002
16/11/2031 00:00:00	♁	18°40'38" ♁	15°01'56"	-02°26'15"	-00°03'03"	15.525
16/11/2031 00:00:00	♁	00°11'25" ♁	15°19'48"	-04°53'01"	00°06'43"	0.003
16/11/2031 00:00:00	♁	19°00'24" ♁	-17°28'03"	00°00'00"	-00°00'18"	0.002
16/11/2031 00:00:00	♁	07°57'33" ♁	19°12'38"	-03°59'25"	-01°09'20"	0.003
16/11/2031 00:00:00	X	26°18'14" ♁	01°18'58"	-09°27'48"	-00°00'31"	94.113
16/11/2031 00:00:00	Y	05°22'57" ♁	09°29'50"	-11°52'27"	-00°00'37"	80.641
17/11/2031 00:00:00	♁	24°25'36" ♁	-18°52'20"	00°00'00"	01°00'29"	0.989
17/11/2031 00:00:00	♁	22°38'02" ♁	-20°18'02"	02°55'56"	14°29'33"	0.002
17/11/2031 00:00:00	♁	15°27'09" ♁	-24°59'17" ♁	-02°21'45"	00°23'56"	0.863
17/11/2031 00:00:00	♁	09°53'40" ♁	-02°22'08"	01°41'04"	01°07'52"	0.892
17/11/2031 00:00:00	♁	27°23'24" ♁	-22°15'29"	-01°36'44"	00°45'13"	1.514
17/11/2031 00:00:00	♁	00°19'18" ♁	-23°21'06"	00°04'52"	00°12'24"	5.995
17/11/2031 00:00:00	♁	21°27'25" ♁	21°33'51"	-01°35'48"	-00°04'06"	8.137
17/11/2031 00:00:00	♁	26°26'24" ♁	23°32'07" ♁	00°09'00"	-00°02'03"	18.247
17/11/2031 00:00:00	♁	13°11'50" ♁	03°43'47"	-01°36'19"	-00°01'09"	29.098
17/11/2031 00:00:00	♁	11°23'17" ♁	-23°41'23" ♁	-06°35'46"	00°00'38"	37.139
17/11/2031 00:00:00	♁	18°59'58" ♁	-17°27'55"	00°00'00"	-00°00'34"	0.002

Ephemerides year 2031

17/11/2031 00:00:00	♄	18°37'35" ♉	15°01'02"	-02°26'19"	-00°03'02"	15.525
17/11/2031 00:00:00	♁	00°18'08" ♈	15°18'08"	-04°53'18"	00°06'43"	0.003
17/11/2031 00:00:00	♁	18°59'58" ♉	-17°27'55"	00°00'00"	-00°00'34"	0.002
17/11/2031 00:00:00	♁	06°55'18" ♉	19°19'51"	-03°55'35"	-00°59'05"	0.003
17/11/2031 00:00:00	X	26°17'42" ♉	01°18'51"	-09°27'43"	-00°00'31"	94.121
17/11/2031 00:00:00	Y	05°22'19" ♉	09°29'43"	-11°52'29"	-00°00'37"	80.638
18/11/2031 00:00:00	♁	25°26'06" ♉	-19°06'57"	00°00'00"	01°00'30"	0.989
18/11/2031 00:00:00	♁	07°09'26" ♉	-19°18'17"	03°56'27"	14°32'15"	0.002
18/11/2031 00:00:00	♁	15°47'22" ♉	-24°53'50"	0-02°14'04"	00°16'21"	0.842
18/11/2031 00:00:00	♀	11°01'39" ♉	-02°46'11"	01°43'50"	01°08'04"	0.899
18/11/2031 00:00:00	♁	28°08'39" ♉	-22°05'45"	-01°36'03"	00°45'16"	1.519
18/11/2031 00:00:00	♁	00°31'45" ♉	-23°21'10"	00°04'46"	00°12'28"	6.004
18/11/2031 00:00:00	♁	21°23'16" ♉	21°33'36"	-01°35'48"	-00°04'10"	8.130
18/11/2031 00:00:00	♁	26°24'20" ♉	23°32'05"	00°09'01"	-00°02'05"	18.238
18/11/2031 00:00:00	♁	13°10'41" ♉	03°43'22"	-01°36'17"	-00°01'07"	29.110
18/11/2031 00:00:00	♁	11°23'56" ♉	-23°41'05"	0-06°35'40"	00°00'40"	37.156
18/11/2031 00:00:00	♁	18°59'17" ♉	-17°27'44"	00°00'00"	-00°00'46"	0.002
18/11/2031 00:00:00	♄	18°34'32" ♉	15°00'09"	-02°26'24"	-00°03'02"	15.526
18/11/2031 00:00:00	♁	00°24'51" ♈	15°16'28"	-04°53'34"	00°06'43"	0.003

Ephemerides year 2031

18/11/2031 00:00:00	T♄	18°59'17" ♍	-17°27'44"	00°00'00"	-00°00'46"	0.002
18/11/2031 00:00:00	T♄	05°52'43" ♉	19°26'42"	-03°51'41"	-01°08'16"	0.003
18/11/2031 00:00:00	X	26°17'11" ♏	01°18'45"	-09°27'38"	-00°00'31"	94.129
18/11/2031 00:00:00	Y	05°21'41" ♀	09°29'35"	-11°52'30"	-00°00'38"	80.634
19/11/2031 00:00:00	☉	26°26'37" ♍	-19°21'14"	00°00'00"	01°00'32"	0.988
19/11/2031 00:00:00	☾	21°40'44" ♎	-17°02'57"	04°41'45"	14°29'30"	0.002
19/11/2031 00:00:00	☿	15°59'37" ♏	-24°46'10"	0-02°05'02"	00°08'00"	0.821
19/11/2031 00:00:00	♀	12°09'50" ♋	-03°10'20"	01°46'29"	01°08'16"	0.906
19/11/2031 00:00:00	♂	28°53'56" ♎	-21°55'47"	-01°35'21"	00°45'19"	1.525
19/11/2031 00:00:00	♃	00°44'15" ♎	-23°21'12"	00°04'39"	00°12'32"	6.012
19/11/2031 00:00:00	♅	21°19'04" ♀	21°33'20"	-01°35'48"	-00°04'14"	8.123
19/11/2031 00:00:00	♁	26°22'14" ♀	23°32'02"	00°09'02"	-00°02'06"	18.229
19/11/2031 00:00:00	♆	13°09'34" ♏	03°42'58"	-01°36'15"	-00°01'06"	29.122
19/11/2031 00:00:00	♁	11°24'37" ♋	-23°40'48"	0-06°35'34"	00°00'41"	37.173
19/11/2031 00:00:00	♁	18°58'28" ♍	-17°27'31"	00°00'00"	-00°00'49"	0.002
19/11/2031 00:00:00	♃	18°31'30" ♉	14°59'15"	-02°26'28"	-00°03'01"	15.527
19/11/2031 00:00:00	♁	00°31'34" ♏	15°14'48"	-04°53'51"	00°06'43"	0.003
19/11/2031 00:00:00	T♄	18°58'28" ♍	-17°27'31"	00°00'00"	-00°00'49"	0.002
19/11/2031 00:00:00	T♄	04°38'10" ♉	19°34'18"	-03°46'57"	-01°18'47"	0.003

Ephemerides year 2031

19/11/2031 00:00:00	X	26°16'40" ♄	01°18'39"	-09°27'33"	-00°00'30"	94.138
19/11/2031 00:00:00	Y	05°21'03" ♀	09°29'28"	-11°52'32"	-00°00'38"	80.631
20/11/2031 00:00:00	☉	27°27'10" ♃	-19°35'10"	00°00'00"	01°00'33"	0.988
20/11/2031 00:00:00	☾	06°06'55" ♁	-13°44'44"	05°08'58"	14°22'11"	0.002
20/11/2031 00:00:00	♀	16°03'08" ♀	-24°36'08"	o-01°54'35"	-00°01'04"	0.800
20/11/2031 00:00:00	♀	13°18'12" ♁	-03°34'33"	01°49'00"	01°08'27"	0.914
20/11/2031 00:00:00	♂	29°39'17" ♁	-21°45'36"	-01°34'38"	00°45'22"	1.530
20/11/2031 00:00:00	♃	00°56'49" ♁	-23°21'14"	00°04'33"	00°12'35"	6.021
20/11/2031 00:00:00	♅	21°14'48" ♀	21°33'04"	-01°35'48"	-00°04'17"	8.116
20/11/2031 00:00:00	♁	26°20'07" ♀	23°32'00"	o 00°09'02"	-00°02'08"	18.220
20/11/2031 00:00:00	♃	13°08'29" ♄	03°42'34"	-01°36'13"	-00°01'04"	29.134
20/11/2031 00:00:00	♁	11°25'20" ♁	-23°40'29"	o-06°35'27"	00°00'43"	37.191
20/11/2031 00:00:00	♁	18°57'43" ♃	-17°27'19"	00°00'00"	-00°00'39"	0.002
20/11/2031 00:00:00	♃	18°28'29" ♄	14°58'22"	-02°26'32"	-00°03'01"	15.529
20/11/2031 00:00:00	♁	00°38'17" ♁	15°13'08"	-04°54'07"	00°06'43"	0.003
20/11/2031 00:00:00	T♁	18°57'43" ♃	-17°27'19"	00°00'00"	-00°00'39"	0.002
20/11/2031 00:00:00	T♁	03°24'24" ♁	19°41'15"	-03°42'11"	-01°01'44"	0.003
20/11/2031 00:00:00	X	26°16'09" ♄	01°18'33"	-09°27'28"	-00°00'30"	94.146
20/11/2031 00:00:00	Y	05°20'25" ♀	09°29'20"	-11°52'33"	-00°00'38"	80.628

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21/11/2031 00:00:00	☉	28°27'44" ♍	-19°48'44"	00°00'00"	01°00'34"	0.988
21/11/2031 00:00:00	☾	20°24'00" ♍	-09°40'16"	05°16'45"	14°11'33"	0.002
21/11/2031 00:00:00	♀	15°57'14" ♋	-24°23'38"	0-01°42'37"	-00°10'49"	0.780
21/11/2031 00:00:00	♀	14°26'45" ♋	-03°58'51"	01°51'24"	01°08'38"	0.921
21/11/2031 00:00:00	♂	00°24'40" ♍	-21°35'11"	-01°33'55"	00°45'24"	1.536
21/11/2031 00:00:00	♋	01°09'27" ♌	-23°21'14"	00°04'27"	00°12'39"	6.029
21/11/2031 00:00:00	♌	21°10'28" ♋	21°32'48"	-01°35'47"	-00°04'21"	8.110
21/11/2031 00:00:00	♌	26°17'57" ♋	23°31'57"	0 00°09'03"	-00°02'10"	18.212
21/11/2031 00:00:00	♍	13°07'24" ♋	03°42'11"	-01°36'11"	-00°01'03"	29.146
21/11/2031 00:00:00	♌	11°26'04" ♍	-23°40'11"	0 -06°35'21"	00°00'44"	37.208
21/11/2031 00:00:00	♌	18°57'13" ♍	-17°27'11"	00°00'00"	-00°00'17"	0.002
21/11/2031 00:00:00	♌	18°25'28" ♋	14°57'29"	-02°26'35"	-00°03'00"	15.531
21/11/2031 00:00:00	♌	00°45'00" ♌	15°11'28"	-04°54'23"	00°06'42"	0.003
21/11/2031 00:00:00	♌	18°57'13" ♍	-17°27'11"	00°00'00"	-00°00'17"	0.002
21/11/2031 00:00:00	♌	02°51'30" ♌	19°44'09"	-03°40'02"	00°04'35"	0.003
21/11/2031 00:00:00	X	26°15'38" ♋	01°18'27"	-09°27'23"	-00°00'30"	94.155
21/11/2031 00:00:00	Y	05°19'46" ♋	09°29'13"	-11°52'34"	-00°00'38"	80.625
22/11/2031 00:00:00	☉	29°28'19" ♍	-20°01'57"	00°00'00"	01°00'35"	0.988
22/11/2031 00:00:00	☾	04°29'21" ♋	-05°07'05"	05°05'20"	13°58'53"	0.002

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22/11/2031 00:00:00	♀	15°41'18" ♏	-24°08'31" ♍	-01°29'08" ♏	-00°21'07"	0.761
22/11/2031 00:00:00	♀	15°35'29" ♋	-04°23'13"	01°53'40"	01°08'49"	0.928
22/11/2031 00:00:00	♂	01°10'06" ♎	-21°24'33"	-01°33'12"	00°45'27"	1.542
22/11/2031 00:00:00	♃	01°22'08" ♎	-23°21'13"	00°04'21"	00°12'42"	6.037
22/11/2031 00:00:00	♃	21°06'06" ♋	21°32'31"	-01°35'46"	-00°04'24"	8.103
22/11/2031 00:00:00	♃	26°15'46" ♋	23°31'54" ♍	00°09'04"	-00°02'12"	18.204
22/11/2031 00:00:00	♃	13°06'22" ♋	03°41'49"	-01°36'09"	-00°01'01"	29.159
22/11/2031 00:00:00	♃	11°26'49" ♎	-23°39'52" ♍	-06°35'15"	00°00'46"	37.225
22/11/2031 00:00:00	♃	18°57'10" ♎	-17°27'10"	00°00'00"	00°00'12"	0.002
22/11/2031 00:00:00	♃	18°22'28" ♏	14°56'36"	-02°26'39"	-00°02'59"	15.533
22/11/2031 00:00:00	♃	00°51'43" ♎	15°09'48"	-04°54'39"	00°06'42"	0.003
22/11/2031 00:00:00	T♃	18°57'10" ♎	-17°27'10"	00°00'00"	00°00'12"	0.002
22/11/2031 00:00:00	T♃	03°48'09" ♎	19°39'02"	-03°43'46"	01°53'36"	0.003
22/11/2031 00:00:00	X	26°15'08" ♋	01°18'21"	-09°27'17"	-00°00'30"	94.165
22/11/2031 00:00:00	Y	05°19'08" ♋	09°29'06"	-11°52'34"	-00°00'38"	80.623
23/11/2031 00:00:00	☉	00°28'56" ♏	-20°14'47"	00°00'00"	01°00'36"	0.988
23/11/2031 00:00:00	☾	18°21'28" ♋	-00°21'49"	04°36'13"	13°45'14"	0.003
23/11/2031 00:00:00	♀	15°14'52" ♏	-23°50'41" ♍	-01°14'06"	-00°31'46"	0.743
23/11/2031 00:00:00	♀	16°44'24" ♋	-04°47'37"	01°55'49"	01°08'59"	0.935

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23/11/2031 00:00:00	♂	01°55'35" ♁	-21°13'41"	-01°32'29"	00°45'29"	1.547
23/11/2031 00:00:00	♃	01°34'52" ♁	-23°21'10"	00°04'15"	00°12'45"	6.045
23/11/2031 00:00:00	♅	21°01'39" ♁r	21°32'15"	-01°35'45"	-00°04'27"	8.098
23/11/2031 00:00:00	♁	26°13'32" ♁r	23°31'51" ○	00°09'05"	-00°02'13"	18.197
23/11/2031 00:00:00	♃	13°05'21" ♁r	03°41'28"	-01°36'07"	-00°01'00"	29.171
23/11/2031 00:00:00	♁	11°27'36" ♁	-23°39'33" ○	-06°35'09"	00°00'47"	37.242
23/11/2031 00:00:00	♁	18°57'38" ♁	-17°27'17"	00°00'00"	00°00'42"	0.002
23/11/2031 00:00:00	♃	18°19'29" ♁r	14°55'44"	-02°26'42"	-00°02'58"	15.535
23/11/2031 00:00:00	♁	00°58'26" ♁	15°08'07"	-04°54'55"	00°06'42"	0.003
23/11/2031 00:00:00	T♁	18°57'38" ♁	-17°27'17"	00°00'00"	00°00'42"	0.002
23/11/2031 00:00:00	T♁	06°42'11" ♁	19°21'19"	-03°54'47"	03°52'56"	0.003
23/11/2031 00:00:00	X	26°14'38" ♁r	01°18'16"	-09°27'12"	-00°00'29"	94.174
23/11/2031 00:00:00	Y	05°18'29" ♁r	09°28'59"	-11°52'35"	-00°00'38"	80.621
24/11/2031 00:00:00	♁	01°29'33" ♁	-20°27'16"	00°00'00"	01°00'37"	0.987
24/11/2031 00:00:00	♁	01°59'47" ♁	04°20'22"	03°51'53"	13°31'24"	0.003
24/11/2031 00:00:00	♁	14°37'45" ♁r	-23°30'05" ○	-00°57'35"	-00°42'28"	0.727
24/11/2031 00:00:00	♀	17°53'29" ♁	-05°12'04"	01°57'51"	01°09'10"	0.942
24/11/2031 00:00:00	♂	02°41'06" ♁	-21°02'37"	-01°31'45"	00°45'31"	1.553
24/11/2031 00:00:00	♃	01°47'40" ♁	-23°21'07"	00°04'08"	00°12'49"	6.052

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24/11/2031 00:00:00	♃	20°57'10" ♀	21°31'58"	-01°35'43"	-00°04'30"	8.092
24/11/2031 00:00:00	♃	26°11'18" ♀	23°31'48" ♀	00°09'06"	-00°02'15"	18.189
24/11/2031 00:00:00	♃	13°04'22" ♀	03°41'07"	-01°36'04"	-00°00'58"	29.184
24/11/2031 00:00:00	♃	11°28'25" ♀	-23°39'13" ♀	-06°35'03"	00°00'49"	37.259
24/11/2031 00:00:00	♃	18°58'33" ♀	-17°27'32"	00°00'00"	00°01'04"	0.002
24/11/2031 00:00:00	♃	18°16'30" ♀	14°54'52"	-02°26'46"	-00°02'57"	15.538
24/11/2031 00:00:00	♃	01°05'09" ♀	15°06'27"	-04°55'10"	00°06'42"	0.003
24/11/2031 00:00:00	♃	18°58'33" ♀	-17°27'32"	00°00'00"	00°01'04"	0.002
24/11/2031 00:00:00	♃	11°25'12" ♀	18°46'03"	-04°11'23"	05°26'14"	0.003
24/11/2031 00:00:00	X	26°14'09" ♀	01°18'11"	-09°27'06"	-00°00'29"	94.184
24/11/2031 00:00:00	Y	05°17'50" ♀	09°28'52"	-11°52'35"	-00°00'38"	80.619
25/11/2031 00:00:00	♃	02°30'12" ♀	-20°39'21"	00°00'00"	01°00'39"	0.987
25/11/2031 00:00:00	♃	15°24'21" ♀	08°45'44"	02°55'31"	13°17'47"	0.003
25/11/2031 00:00:00	♃	13°50'02" ♀	-23°06'43"	-00°39'42"	-00°52'51"	0.712
25/11/2031 00:00:00	♃	19°02'44" ♀	-05°36'31"	01°59'45"	01°09'20"	0.949
25/11/2031 00:00:00	♃	03°26'39" ♀	-20°51'19"	-01°31'01"	00°45'34"	1.559
25/11/2031 00:00:00	♃	02°00'30" ♀	-23°21'02"	00°04'02"	00°12'52"	6.060
25/11/2031 00:00:00	♃	20°52'38" ♀	21°31'41"	-01°35'42"	-00°04'33"	8.087
25/11/2031 00:00:00	♃	26°09'02" ♀	23°31'45" ♀	00°09'07"	-00°02'16"	18.182

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25/11/2031 00:00:00	♁	13°03'24" ♄	03°40'46"	-01°36'02"	-00°00'56"	29.198
25/11/2031 00:00:00	♁	11°29'15" ♁	-23°38'53"	♁-06°34'57"	00°00'50"	37.275
25/11/2031 00:00:00	♁	18°59'43" ♃	-17°27'51"	00°00'00"	00°01'12"	0.003
25/11/2031 00:00:00	♁	18°13'33" ♄	14°54'01"	-02°26'49"	-00°02'56"	15.541
25/11/2031 00:00:00	♁	01°11'52" ♃	15°04'46"	-04°55'26"	00°06'42"	0.003
25/11/2031 00:00:00	T♁	18°59'43" ♃	-17°27'51"	00°00'00"	00°01'12"	0.003
25/11/2031 00:00:00	T♁	17°17'42" ♃	17°51'26"	-04°29'36"	06°09'16"	0.003
25/11/2031 00:00:00	X	26°13'40" ♄	01°18'06"	-09°27'00"	-00°00'28"	94.194
25/11/2031 00:00:00	Y	05°17'11" ♄	09°28'45"	-11°52'36"	-00°00'38"	80.618
26/11/2031 00:00:00	♁	03°30'51" ♄	-20°51'04"	00°00'00"	01°00'40"	0.987
26/11/2031 00:00:00	♁	28°35'29" ♄	12°41'40"	01°50'41"	13°04'34"	0.003
26/11/2031 00:00:00	♁	12°52'18" ♄	-22°40'41"	-00°20'40"	-01°02'25"	0.700
26/11/2031 00:00:00	♁	20°12'09" ♁	-06°00'59"	02°01'32"	01°09'30"	0.957
26/11/2031 00:00:00	♁	04°12'14" ♁	-20°39'49"	-01°30'17"	00°45'36"	1.564
26/11/2031 00:00:00	♁	02°13'24" ♃	-23°20'56"	00°03'56"	00°12'55"	6.067
26/11/2031 00:00:00	♁	20°48'03" ♄	21°31'24"	-01°35'40"	-00°04'36"	8.082
26/11/2031 00:00:00	♁	26°06'44" ♄	23°31'41"	♁ 00°09'07"	-00°02'18"	18.176
26/11/2031 00:00:00	♁	13°02'28" ♄	03°40'27"	-01°36'00"	-00°00'55"	29.211
26/11/2031 00:00:00	♁	11°30'06" ♁	-23°38'32"	♁-06°34'51"	00°00'52"	37.292

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26/11/2031 00:00:00	♏	19°00'50" ♎	-17°28'10"	00°00'00"	00°00'59"	0.003
26/11/2031 00:00:00	♋	18°10'37" ♉	14°53'10"	-02°26'51"	-00°02'55"	15.544
26/11/2031 00:00:00	♌	01°18'35" ♈	15°03'05"	-04°55'41"	00°06'43"	0.003
26/11/2031 00:00:00	♏	19°00'50" ♎	-17°28'10"	00°00'00"	00°00'59"	0.003
26/11/2031 00:00:00	♌	23°24'31" ♈	16°42'46"	-04°45'30"	05°55'08"	0.003
26/11/2031 00:00:00	X	26°13'11" ♏	01°18'01"	-09°26'55"	-00°00'28"	94.204
26/11/2031 00:00:00	Y	05°16'33" ♏	09°28'39"	-11°52'36"	-00°00'38"	80.617
27/11/2031 00:00:00	♁	04°31'32" ♈	-21°02'23"	00°00'00"	01°00'41"	0.987
27/11/2031 00:00:00	♃	11°33'37" ♈	15°57'00"	00°41'11"	12°51'48"	0.003
27/11/2031 00:00:00	♌	11°45'36" ♈	-22°12'13"	-00°00'45"	-01°10'42"	0.690
27/11/2031 00:00:00	♌	21°21'44" ♈	-06°25'27"	02°03'12"	01°09'39"	0.964
27/11/2031 00:00:00	♈	04°57'52" ♈	-20°28'06"	-01°29'33"	00°45'38"	1.570
27/11/2031 00:00:00	♈	02°26'21" ♈	-23°20'48"	00°03'50"	00°12'58"	6.074
27/11/2031 00:00:00	♏	20°43'26" ♏	21°31'07"	-01°35'38"	-00°04'38"	8.077
27/11/2031 00:00:00	♏	26°04'25" ♏	23°31'38"	00°09'08"	-00°02'19"	18.169
27/11/2031 00:00:00	♏	13°01'34" ♏	03°40'08"	-01°35'57"	-00°00'53"	29.224
27/11/2031 00:00:00	♏	11°30'59" ♏	-23°38'12"	-06°34'45"	00°00'53"	37.309
27/11/2031 00:00:00	♏	19°01'35" ♎	-17°28'22"	00°00'00"	00°00'27"	0.003
27/11/2031 00:00:00	♋	18°07'42" ♉	14°52'19"	-02°26'54"	-00°02'54"	15.548

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27/11/2031 00:00:00	☾	01°25'18" ♀	15°01'24"	-04°55'56"	00°06'43"	0.003
27/11/2031 00:00:00	♁	19°01'35" ♀	-17°28'22"	00°00'00"	00°00'27"	0.003
27/11/2031 00:00:00	♁	28°51'51" ♀	15°32'08"	-04°56'52"	04°52'59"	0.003
27/11/2031 00:00:00	X	26°12'43" ♀	01°17'57"	-09°26'49"	-00°00'27"	94.214
27/11/2031 00:00:00	Y	05°15'54" ♀	09°28'32"	-11°52'36"	-00°00'38"	80.616
28/11/2031 00:00:00	☉	05°32'15" ♀	-21°13'19"	-00°00'00"	01°00'42"	0.987
28/11/2031 00:00:00	☾	24°19'14" ♀	18°22'27"	-00°29'12"	12°39'30"	0.003
28/11/2031 00:00:00	♁	10°31'31" ♀	-21°41'44"	00°19'39"	-01°17'07"	0.683
28/11/2031 00:00:00	♀	22°31'28" ♀	-06°49'54"	02°04'44"	01°09'49"	0.971
28/11/2031 00:00:00	♂	05°43'31" ♀	-20°16'10"	-01°28'48"	00°45'40"	1.576
28/11/2031 00:00:00	♃	02°39'21" ♀	-23°20'39"	00°03'44"	00°13'01"	6.081
28/11/2031 00:00:00	♄	20°38'46" ♀	21°30'50"	-01°35'36"	-00°04'40"	8.072
28/11/2031 00:00:00	♅	26°02'05" ♀	23°31'34"	00°09'09"	-00°02'20"	18.163
28/11/2031 00:00:00	♆	13°00'41" ♀	03°39'50"	-01°35'55"	-00°00'51"	29.238
28/11/2031 00:00:00	♇	11°31'54" ♀	-23°37'50"	-06°34'39"	00°00'55"	37.325
28/11/2031 00:00:00	♁	19°01'39" ♀	-17°28'23"	00°00'00"	-00°00'21"	0.003
28/11/2031 00:00:00	♂	18°04'48" ♀	14°51'29"	-02°26'57"	-00°02'53"	15.552
28/11/2031 00:00:00	☾	01°32'01" ♀	14°59'43"	-04°56'12"	00°06'43"	0.003
28/11/2031 00:00:00	♁	19°01'39" ♀	-17°28'23"	00°00'00"	-00°00'21"	0.003

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28/11/2031 00:00:00	T♄	03°01'15" ♏	14°32'56"	-05°03'38"	03°23'15"	0.003
28/11/2031 00:00:00	X	26°12'15" ♏r	01°17'52"	-09°26'43"	-00°00'27"	94.225
28/11/2031 00:00:00	Y	05°15'15" ♏r	09°28'26"	-11°52'35"	-00°00'38"	80.616
29/11/2031 00:00:00	☉	06°32'58" ♏	-21°23'50"	-00°00'00"	01°00'44"	0.986
29/11/2031 00:00:00	☾	06°52'49" ♏	19°51'31"	-01°37'01"	12°27'47"	0.003
29/11/2031 00:00:00	♀	09°12'08" ♏r	-21°09'49"	00°40'06"	-01°21'13"	0.679
29/11/2031 00:00:00	♀	23°41'22" ♏	-07°14'19"	02°06'10"	01°09'58"	0.978
29/11/2031 00:00:00	♂	06°29'13" ♏	-20°04'02"	-01°28'03"	00°45'42"	1.581
29/11/2031 00:00:00	♃	02°52'24" ♏	-23°20'28"	00°03'38"	00°13'04"	6.088
29/11/2031 00:00:00	♅	20°34'04" ♏r	21°30'33"	-01°35'33"	-00°04'43"	8.068
29/11/2031 00:00:00	♁	25°59'43" ♏r	23°31'31"	00°09'10"	-00°02'22"	18.157
29/11/2031 00:00:00	♃	12°59'51" ♏r	03°39'32"	-01°35'53"	-00°00'49"	29.252
29/11/2031 00:00:00	♁	11°32'50" ♏	-23°37'29"	00°00'57"	-06°34'33"	37.341
29/11/2031 00:00:00	♁	19°00'48" ♏r	-17°28'09"	00°00'00"	-00°01'20"	0.003
29/11/2031 00:00:00	♃	18°01'56" ♏r	14°50'39"	-02°26'59"	-00°02'51"	15.556
29/11/2031 00:00:00	♄	01°38'45" ♏	14°58'02"	-04°56'26"	00°06'43"	0.003
29/11/2031 00:00:00	T♁	19°00'48" ♏r	-17°28'09"	00°00'00"	-00°01'20"	0.003
29/11/2031 00:00:00	T♄	05°37'31" ♏	13°53'45"	-05°06'54"	01°50'54"	0.003
29/11/2031 00:00:00	X	26°11'48" ♏r	01°17'48"	-09°26'37"	-00°00'27"	94.236

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29/11/2031 00:00:00	Y	05°14'36" ♀	09°28'20"	-11°52'35"	-00°00'38"	80.615
30/11/2031 00:00:00	☉	07°33'43" ♄	-21°33'58"	-00°00'00"	01°00'45"	0.986
30/11/2031 00:00:00	☾	19°15'04" ♀	20°21'15"	-02°39'08"	12°16'53"	0.003
30/11/2031 00:00:00	♀	07°49'56" ♄	-20°37'14"	01°00'08"	-01°22'41"	0.678
30/11/2031 00:00:00	♀	24°51'25" ♄	-07°38'42"	02°07'28"	01°10'07"	0.985
30/11/2031 00:00:00	♂	07°14'56" ♁	-19°51'42"	-01°27'17"	00°45'44"	1.587
30/11/2031 00:00:00	♃	03°05'30" ♄	-23°20'17"	00°03'32"	00°13'07"	6.094
30/11/2031 00:00:00	♅	20°29'20" ♀	21°30'15"	-01°35'31"	-00°04'45"	8.065
30/11/2031 00:00:00	♁	25°57'20" ♀	23°31'27"	00°09'10"	-00°02'23"	18.151
30/11/2031 00:00:00	♃	12°59'02" ♄	03°39'15"	-01°35'50"	-00°00'48"	29.266
30/11/2031 00:00:00	♁	11°33'48" ♁	-23°37'07"	00°00'58"	00°00'58"	37.358
30/11/2031 00:00:00	♁	18°58'58" ♄	-17°27'39"	00°00'00"	-00°02'19"	0.003
30/11/2031 00:00:00	♃	17°59'04" ♄	14°49'50"	-02°27'01"	-00°02'50"	15.561
30/11/2031 00:00:00	♀	01°45'28" ♄	14°56'20"	-04°56'41"	00°06'43"	0.003
30/11/2031 00:00:00	T♁	18°58'58" ♄	-17°27'39"	00°00'00"	-00°02'19"	0.003
30/11/2031 00:00:00	T♀	06°49'43" ♄	13°35'15"	-05°08'02"	00°38'11"	0.003
30/11/2031 00:00:00	X	26°11'21" ♄	01°17'45"	-09°26'31"	-00°00'26"	94.247
30/11/2031 00:00:00	Y	05°13'57" ♀	09°28'14"	-11°52'34"	-00°00'38"	80.615
01/12/2031 00:00:00	☉	08°34'29" ♄	-21°43'40"	-00°00'00"	01°00'46"	0.986

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01/12/2031 00:00:00	♃	01°26'59" ♉	19°52'31"	-03°33'00"	12°07'11"	0.003
01/12/2031 00:00:00	♆	06°27'41" ♏	-20°04'51"	01°19'14"	-01°21'21"	0.681
01/12/2031 00:00:00	♀	26°01'36" ♋	-08°03'01"	02°08'40"	01°10'16"	0.992
01/12/2031 00:00:00	♂	08°00'42" ♎	-19°39'10"	-01°26'32"	00°45'46"	1.593
01/12/2031 00:00:00	♈	03°18'39" ♌	-23°20'04"	00°03'26"	00°13'09"	6.100
01/12/2031 00:00:00	♄	20°24'34" ♉	21°29'58"	-01°35'28"	-00°04'47"	8.061
01/12/2031 00:00:00	♃	25°54'56" ♉	23°31'24"	00°09'11"	-00°02'24"	18.146
01/12/2031 00:00:00	♆	12°58'14" ♏	03°38'59"	-01°35'48"	-00°00'46"	29.281
01/12/2031 00:00:00	♁	11°34'47" ♎	-23°36'45"	-06°34'22"	00°00'59"	37.374
01/12/2031 00:00:00	♁	18°56'14" ♎	-17°26'54"	00°00'00"	-00°03'07"	0.003
01/12/2031 00:00:00	♃	17°56'15" ♏	14°49'01"	-02°27'03"	-00°02'48"	15.566
01/12/2031 00:00:00	♁	01°52'11" ♎	14°54'39"	-04°56'56"	00°06'43"	0.003
01/12/2031 00:00:00	♁	18°56'14" ♎	-17°26'54"	00°00'00"	-00°03'07"	0.003
01/12/2031 00:00:00	♁	07°04'36" ♎	13°31'36"	-05°08'02"	-00°02'54"	0.003
01/12/2031 00:00:00	X	26°10'54" ♏	01°17'41"	-09°26'25"	-00°00'26"	94.258
01/12/2031 00:00:00	Y	05°13'18" ♉	09°28'08"	-11°52'34"	-00°00'38"	80.616
02/12/2031 00:00:00	♁	09°35'17" ♏	-21°52'58"	-00°00'00"	01°00'48"	0.986
02/12/2031 00:00:00	♃	13°30'03" ♉	18°29'34"	-04°16'37"	11°59'15"	0.003
02/12/2031 00:00:00	♆	05°08'09" ♏	-19°33'37"	01°36'57"	-01°17'16"	0.686

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02/12/2031 00:00:00	♀	27°11'57" ♈	-08°27'16"	02°09'44"	01°10'24"	0.999
02/12/2031 00:00:00	♂	08°46'29" ♏	-19°26'26"	-01°25'46"	00°45'48"	1.599
02/12/2031 00:00:00	♃	03°31'50" ♉	-23°19'49"	00°03'20"	00°13'12"	6.107
02/12/2031 00:00:00	♅	20°19'45" ♊	21°29'40"	-01°35'25"	-00°04'48"	8.058
02/12/2031 00:00:00	♁	25°52'31" ♋	23°31'20"	00°09'12"	-00°02'25"	18.141
02/12/2031 00:00:00	♆	12°57'29" ♌	03°38'44"	-01°35'45"	-00°00'44"	29.295
02/12/2031 00:00:00	♄	11°35'48" ♍	-23°36'22"	0°06'34'17"	00°01'01"	37.390
02/12/2031 00:00:00	♁	18°52'49" ♎	-17°25'58"	00°00'00"	-00°03'37"	0.003
02/12/2031 00:00:00	♃	17°53'27" ♏	14°48'13"	-02°27'05"	-00°02'47"	15.571
02/12/2031 00:00:00	♁	01°58'54" ♏	14°52'57"	-04°57'10"	00°06'43"	0.003
02/12/2031 00:00:00	T♁	18°52'49" ♎	-17°25'58"	00°00'00"	-00°03'37"	0.003
02/12/2031 00:00:00	T♃	06°53'49" ♏	13°34'38"	-05°07'38"	-00°14'35"	0.003
02/12/2031 00:00:00	X	26°10'28" ♌	01°17'38"	-09°26'18"	-00°00'25"	94.270
02/12/2031 00:00:00	Y	05°12'40" ♊	09°28'03"	-11°52'33"	-00°00'38"	80.616
03/12/2031 00:00:00	☾	10°36'06" ♏	-22°01'51"	-00°00'00"	01°00'49"	0.986
03/12/2031 00:00:00	♃	25°26'19" ♉	16°18'55"	-04°48'35"	11°53'42"	0.003
03/12/2031 00:00:00	♁	03°53'57" ♏	-19°04'29"	01°52'55"	-01°10'44"	0.695
03/12/2031 00:00:00	♀	28°22'25" ♈	-08°51'26"	02°10'42"	01°10'32"	1.006
03/12/2031 00:00:00	♂	09°32'18" ♏	-19°13'30"	-01°24'59"	00°45'49"	1.604

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03/12/2031 00:00:00	♈	03°45'04" ♁	-23°19'33"	00°03'14"	00°13'15"	6.112
03/12/2031 00:00:00	♉	20°14'56" ♁r	21°29'23"	-01°35'21"	-00°04'50"	8.055
03/12/2031 00:00:00	♊	25°50'05" ♁r	23°31'16" ○	00°09'13"	-00°02'26"	18.136
03/12/2031 00:00:00	♋	12°56'46" ♁r	03°38'30"	-01°35'43"	-00°00'42"	29.310
03/12/2031 00:00:00	♌	11°36'50" ♁	-23°35'59" ○	-06°34'12"	00°01'02"	37.405
03/12/2031 00:00:00	♍	18°49'08" ♁r	-17°24'57"	00°00'00"	-00°03'41"	0.003
03/12/2031 00:00:00	♎	17°50'40" ♁r	14°47'26"	-02°27'07"	-00°02'45"	15.576
03/12/2031 00:00:00	♏	02°05'37" ♁	14°51'16"	-04°57'25"	00°06'43"	0.003
03/12/2031 00:00:00	T♍	18°49'08" ♁r	-17°24'57"	00°00'00"	-00°03'41"	0.003
03/12/2031 00:00:00	T♎	06°41'07" ♁r	13°38'05"	-05°07'16"	-00°09'13"	0.003
03/12/2031 00:00:00	X	26°10'03" ♁r	01°17'35"	-09°26'12"	-00°00'25"	94.282
03/12/2031 00:00:00	Y	05°12'01" ♁r	09°27'58"	-11°52'32"	-00°00'38"	80.617
04/12/2031 00:00:00	♐	11°36'56" ♁	-22°10'18"	-00°00'00"	01°00'50"	0.986
04/12/2031 00:00:00	♑	07°18'29" ♁	13°28'17"	-05°07'56"	11°51'11"	0.003
04/12/2031 00:00:00	♒	02°47'20" ♁r	-18°38'15"	02°06'50"	-01°02'11"	0.706
04/12/2031 00:00:00	♓	29°33'02" ♁	-09°15'30"	02°11'33"	01°10'40"	1.013
04/12/2031 00:00:00	♈	10°18'09" ♁	-19°00'22"	-01°24'13"	00°45'51"	1.610
04/12/2031 00:00:00	♉	03°58'20" ♁	-23°19'16"	00°03'08"	00°13'17"	6.118
04/12/2031 00:00:00	♊	20°10'04" ♁r	21°29'05"	-01°35'18"	-00°04'52"	8.052

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04/12/2031 00:00:00	♃	25°47'37" ♀	23°31'12" ♀	00°09'13"	-00°02'27"	18.132
04/12/2031 00:00:00	♃	12°56'04" ♀	03°38'16"	-01°35'40"	-00°00'40"	29.324
04/12/2031 00:00:00	♃	11°37'54" ♀	-23°35'36" ♀	-06°34'06"	00°01'04"	37.421
04/12/2031 00:00:00	♃	18°45'36" ♀	-17°23'59"	00°00'00"	-00°03'17"	0.003
04/12/2031 00:00:00	♃	17°47'55" ♀	14°46'39"	-02°27'08"	-00°02'44"	15.582
04/12/2031 00:00:00	♃	02°12'20" ♀	14°49'34"	-04°57'39"	00°06'43"	0.003
04/12/2031 00:00:00	♃	18°45'36" ♀	-17°23'59"	00°00'00"	-00°03'17"	0.003
04/12/2031 00:00:00	♃	06°36'12" ♀	13°39'24"	-05°07'09"	-00°01'15"	0.003
04/12/2031 00:00:00	X	26°09'38" ♀	01°17'32"	-09°26'05"	-00°00'24"	94.294
04/12/2031 00:00:00	Y	05°11'22" ♀	09°27'52"	-11°52'31"	-00°00'38"	80.619
05/12/2031 00:00:00	♃	12°37'47" ♀	-22°18'20"	-00°00'00"	01°00'52"	0.986
05/12/2031 00:00:00	♃	19°09'56" ♀	10°05'30"	-05°14'07"	11°52'21"	0.003
05/12/2031 00:00:00	♃	01°50'05" ♀	-18°15'36"	02°18'34"	-00°52'07"	0.720
05/12/2031 00:00:00	♃	00°43'47" ♀	-09°39'27"	02°12'17"	01°10'48"	1.020
05/12/2031 00:00:00	♃	11°04'01" ♀	-18°47'03"	-01°23'26"	00°45'53"	1.616
05/12/2031 00:00:00	♃	04°11'39" ♀	-23°18'57"	00°03'02"	00°13'19"	6.124
05/12/2031 00:00:00	♃	20°05'12" ♀	21°28'47"	-01°35'14"	-00°04'53"	8.050
05/12/2031 00:00:00	♃	25°45'09" ♀	23°31'08" ♀	00°09'14"	-00°02'28"	18.128
05/12/2031 00:00:00	♃	12°55'24" ♀	03°38'03"	-01°35'37"	-00°00'38"	29.339

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05/12/2031 00:00:00	♁	11°38'59" ♁	-23°35'13" ♁	-06°34'01"	00°01'05"	37.436
05/12/2031 00:00:00	♁	18°42'40" ♁	-17°23'11"	00°00'00"	-00°02'28"	0.003
05/12/2031 00:00:00	♁	17°45'12" ♁	14°45'53"	-02°27'09"	-00°02'42"	15.588
05/12/2031 00:00:00	♁	02°19'03" ♁	14°47'52"	-04°57'53"	00°06'43"	0.003
05/12/2031 00:00:00	♁	18°42'40" ♁	-17°23'11"	00°00'00"	-00°02'28"	0.003
05/12/2031 00:00:00	♁	06°35'44" ♁	13°39'30"	-05°07'10"	-00°01'42"	0.003
05/12/2031 00:00:00	X	26°09'13" ♁	01°17'29"	-09°25'59"	-00°00'24"	94.306
05/12/2031 00:00:00	Y	05°10'44" ♁	09°27'47"	-11°52'29"	-00°00'38"	80.620
06/12/2031 00:00:00	♁	13°38'40" ♁	-22°25'56"	-00°00'00"	01°00'53"	0.985
06/12/2031 00:00:00	♁	01°04'38" ♁	06°18'07"	-05°06'51"	11°57'45"	0.003
06/12/2031 00:00:00	♁	01°03'23" ♁	-17°56'59"	02°28'03"	-00°41'08"	0.737
06/12/2031 00:00:00	♁	01°54'40" ♁	-10°03'17"	02°12'54"	01°10'56"	1.027
06/12/2031 00:00:00	♁	11°49'55" ♁	-18°33'33"	-01°22'39"	00°45'54"	1.622
06/12/2031 00:00:00	♁	04°25'00" ♁	-23°18'37"	00°02'56"	00°13'22"	6.129
06/12/2031 00:00:00	♁	20°00'18" ♁	21°28'30"	-01°35'10"	-00°04'54"	8.048
06/12/2031 00:00:00	♁	25°42'40" ♁	23°31'04" ♁	00°09'15"	-00°02'29"	18.124
06/12/2031 00:00:00	♁	12°54'46" ♁	03°37'50"	-01°35'35"	-00°00'37"	29.355
06/12/2031 00:00:00	♁	11°40'05" ♁	-23°34'49" ♁	-06°33'56"	00°01'06"	37.452
06/12/2031 00:00:00	♁	18°40'43" ♁	-17°22'39"	00°00'00"	-00°01'22"	0.002

Ephemerides year 2031

06/12/2031 00:00:00	♁	17°42'30" ♀r	14°45'07"	-02°27'11"	-00°02'40"	15.594
06/12/2031 00:00:00	♁	02°25'47" ♀	14°46'10"	-04°58'07"	00°06'43"	0.003
06/12/2031 00:00:00	♁	18°40'43" ♀r	-17°22'39"	00°00'00"	-00°01'22"	0.002
06/12/2031 00:00:00	♁	06°27'53" ♀r	13°41'30"	-05°07'04"	-00°16'43"	0.003
06/12/2031 00:00:00	X	26°08'49" ♀r	01°17'27"	-09°25'52"	-00°00'23"	94.318
06/12/2031 00:00:00	Y	05°10'05" ♀r	09°27'42"	-11°52'28"	-00°00'38"	80.622
07/12/2031 00:00:00	♁	14°39'34" ♀	-22°33'05"	-00°00'00"	01°00'54"	0.985
07/12/2031 00:00:00	♁	13°07'00" ♀	02°13'28"	-04°46'08"	12°07'46"	0.003
07/12/2031 00:00:00	♁	00°27'57" ♀r	-17°42'39"	02°35'19"	-00°29'42"	0.755
07/12/2031 00:00:00	♁	03°05'39" ♀	-10°26'59"	02°13'25"	01°11'03"	1.034
07/12/2031 00:00:00	♁	12°35'50" ♀	-18°19'52"	-01°21'52"	00°45'56"	1.627
07/12/2031 00:00:00	♁	04°38'23" ♀	-23°18'16"	00°02'50"	00°13'24"	6.134
07/12/2031 00:00:00	♁	19°55'23" ♀r	21°28'12"	-01°35'06"	-00°04'55"	8.047
07/12/2031 00:00:00	♁	25°40'10" ♀r	23°31'00" o	00°09'15"	-00°02'30"	18.121
07/12/2031 00:00:00	♁	12°54'10" ♀r	03°37'39"	-01°35'32"	-00°00'35"	29.370
07/12/2031 00:00:00	♁	11°41'12" ♀	-23°34'25" o	-06°33'51"	00°01'08"	37.467
07/12/2031 00:00:00	♁	18°39'57" ♀r	-17°22'26"	00°00'00"	-00°00'10"	0.002
07/12/2031 00:00:00	♁	17°39'51" ♀r	14°44'22"	-02°27'12"	-00°02'38"	15.601
07/12/2031 00:00:00	♁	02°32'30" ♀	14°44'28"	-04°58'21"	00°06'43"	0.003

Ephemerides year 2031

07/12/2031 00:00:00	T♄	18°39'57" ♍	-17°22'26"	00°00'00"	-00°00'10"	0.002
07/12/2031 00:00:00	T♄	05°56'47" ♏	13°49'33"	-05°06'30"	-00°48'06"	0.003
07/12/2031 00:00:00	X	26°08'26" ♏	01°17'25"	-09°25'46"	-00°00'23"	94.331
07/12/2031 00:00:00	Y	05°09'27" ♏	09°27'38"	-11°52'26"	-00°00'38"	80.624
08/12/2031 00:00:00	☉	15°40'29" ♏	-22°39'48"	-00°00'00"	01°00'55"	0.985
08/12/2031 00:00:00	☾	25°21'45" ♏	-02°00'56"	-04°12'09"	12°22'32"	0.003
08/12/2031 00:00:00	☿	00°03'57" ♏	-17°32'38"	02°40'29"	-00°18'17"	0.775
08/12/2031 00:00:00	♀	04°16'47" ♏	-10°50'32"	02°13'49"	01°11'10"	1.041
08/12/2031 00:00:00	♂	13°21'47" ♏	-18°05'59"	-01°21'04"	00°45'57"	1.633
08/12/2031 00:00:00	♃	04°51'49" ♏	-23°17'53"	00°02'44"	00°13'26"	6.139
08/12/2031 00:00:00	♅	19°50'27" ♏	21°27'54"	-01°35'01"	-00°04'56"	8.045
08/12/2031 00:00:00	♁	25°37'40" ♏	23°30'55"	00°09'16"	-00°02'31"	18.117
08/12/2031 00:00:00	♆	12°53'35" ♏	03°37'28"	-01°35'29"	-00°00'33"	29.385
08/12/2031 00:00:00	♂	11°42'21" ♏	-23°34'00"	00°01'09"	-06°33'46"	37.482
08/12/2031 00:00:00	♁	18°40'20" ♏	-17°22'32"	00°00'00"	00°00'53"	0.002
08/12/2031 00:00:00	♃	17°37'13" ♏	14°43'37"	-02°27'12"	-00°02'36"	15.608
08/12/2031 00:00:00	♄	02°39'13" ♏	14°42'46"	-04°58'34"	00°06'43"	0.003
08/12/2031 00:00:00	T♄	18°40'20" ♏	-17°22'32"	00°00'00"	00°00'53"	0.002
08/12/2031 00:00:00	T♄	04°47'06" ♏	14°07'27"	-05°05'01"	-01°33'00"	0.003

Ephemerides year 2031

08/12/2031 00:00:00	X	26°08'02" ♀	01°17'23"	-09°25'39"	-00°00'22"	94.344
08/12/2031 00:00:00	Y	05°08'49" ♀	09°27'33"	-11°52'24"	-00°00'38"	80.627
09/12/2031 00:00:00	☉	16°41'26" ♂	-22°46'05"	-00°00'00"	01°00'57"	0.985
09/12/2031 00:00:00	☾	07°53'36" ♀	-06°16'38"	-03°25'31"	12°41'53"	0.003
09/12/2031 00:00:00	♁	29°51'14" ♀	-17°26'49"	02°43'42"	-00°07'13"	0.796
09/12/2031 00:00:00	♂	05°28'01" ♀	-11°13'55"	02°14'07"	01°11'17"	1.047
09/12/2031 00:00:00	♂	14°07'46" ♀	-17°51'56"	-01°20'16"	00°45'59"	1.639
09/12/2031 00:00:00	♂	05°05'16" ♀	-23°17'28"	00°02'39"	00°13'28"	6.144
09/12/2031 00:00:00	♂	19°45'30" ♀	21°27'37"	-01°34'57"	-00°04'56"	8.044
09/12/2031 00:00:00	♂	25°35'08" ♀	23°30'51"	00°09'17"	-00°02'31"	18.114
09/12/2031 00:00:00	♂	12°53'03" ♀	03°37'18"	-01°35'27"	-00°00'31"	29.401
09/12/2031 00:00:00	♂	11°43'32" ♀	-23°33'36"	00°01'10"	00°01'10"	37.497
09/12/2031 00:00:00	♂	18°41'38" ♀	-17°22'54"	00°00'00"	00°01'35"	0.002
09/12/2031 00:00:00	♂	17°34'37" ♀	14°42'53"	-02°27'13"	-00°02'34"	15.615
09/12/2031 00:00:00	♂	02°45'56" ♀	14°41'03"	-04°58'48"	00°06'43"	0.003
09/12/2031 00:00:00	T♂	18°41'38" ♀	-17°22'54"	00°00'00"	00°01'35"	0.002
09/12/2031 00:00:00	T♂	02°49'03" ♀	14°37'08"	-05°02'07"	-02°22'53"	0.003
09/12/2031 00:00:00	X	26°07'40" ♀	01°17'21"	-09°25'32"	-00°00'22"	94.357
09/12/2031 00:00:00	Y	05°08'10" ♀	09°27'29"	-11°52'22"	-00°00'38"	80.630

Ephemerides year 2031

10/12/2031 00:00:00	♁	17°42'24" ♄	-22°51'54"	-00°00'00"	01°00'58"	0.985
10/12/2031 00:00:00	♃	20°46'50" ♁	-10°23'10"	-02°27'21"	13°05'09"	0.003
10/12/2031 00:00:00	♃	29°49'18" ♃	-17°24'59"	02°45'10"	00°03'14"	0.818
10/12/2031 00:00:00	♃	06°39'22" ♃	-11°37'07"	02°14'18"	01°11'24"	1.054
10/12/2031 00:00:00	♂	14°53'46" ♃	-17°37'43"	-01°19'28"	00°46'00"	1.645
10/12/2031 00:00:00	♃	05°18'46" ♃	-23°17'02"	00°02'33"	00°13'30"	6.148
10/12/2031 00:00:00	♃	19°40'33" ♃	21°27'19"	-01°34'52"	-00°04'57"	8.044
10/12/2031 00:00:00	♃	25°32'36" ♃	23°30'47"	00°09'17"	-00°02'32"	18.112
10/12/2031 00:00:00	♃	12°52'33" ♃	03°37'09"	-01°35'24"	-00°00'29"	29.416
10/12/2031 00:00:00	♃	11°44'43" ♃	-23°33'11"	00°01'12"	00°01'12"	37.512
10/12/2031 00:00:00	♃	18°43'21" ♃	-17°23'22"	00°00'00"	00°01'44"	0.002
10/12/2031 00:00:00	♃	17°32'04" ♃	14°42'10"	-02°27'14"	-00°02'32"	15.622
10/12/2031 00:00:00	♃	02°52'39" ♃	14°39'21"	-04°59'01"	00°06'43"	0.003
10/12/2031 00:00:00	♃	18°43'21" ♃	-17°23'22"	00°00'00"	00°01'44"	0.002
10/12/2031 00:00:00	♃	00°04'18" ♃	15°16'58"	-04°57'24"	-03°03'46"	0.003
10/12/2031 00:00:00	X	26°07'18" ♃	01°17'20"	-09°25'25"	-00°00'21"	94.370
10/12/2031 00:00:00	Y	05°07'32" ♃	09°27'24"	-11°52'20"	-00°00'37"	80.633
11/12/2031 00:00:00	♁	18°43'23" ♄	-22°57'17"	-00°00'00"	01°00'59"	0.985
11/12/2031 00:00:00	♃	04°04'49" ♃	-14°07'26"	-01°19'34"	13°31'07"	0.003

Ephemerides year 2031

11/12/2031 00:00:00	♀	29°57'29" ♍	-17°26'48"	02°45'04"	00°12'58"	0.841
11/12/2031 00:00:00	♀	07°50'49" ♍	-12°00'08"	02°14'24"	01°11'30"	1.061
11/12/2031 00:00:00	♂	15°39'47" ♋	-17°23'19"	-01°18'40"	00°46'02"	1.650
11/12/2031 00:00:00	♃	05°32'18" ♉	-23°16'35"	00°02'27"	00°13'32"	6.152
11/12/2031 00:00:00	♅	19°35'36" ♄	21°27'01"	-01°34'46"	-00°04'57"	8.043
11/12/2031 00:00:00	♁	25°30'04" ♄	23°30'42"	00°09'18"	-00°02'32"	18.110
11/12/2031 00:00:00	♃	12°52'04" ♄	03°37'00"	-01°35'21"	-00°00'27"	29.432
11/12/2031 00:00:00	♁	11°45'56" ♋	-23°32'45"	-06°33'33"	00°01'13"	37.526
11/12/2031 00:00:00	♁	18°44'53" ♍	-17°23'47"	00°00'00"	00°01'13"	0.002
11/12/2031 00:00:00	♃	17°29'32" ♄	14°41'28"	-02°27'14"	-00°02'30"	15.630
11/12/2031 00:00:00	♁	02°59'22" ♁	14°37'38"	-04°59'14"	00°06'43"	0.003
11/12/2031 00:00:00	T♁	18°44'53" ♍	-17°23'47"	00°00'00"	00°01'13"	0.002
11/12/2031 00:00:00	T♁	26°49'27" ♄	16°01'33"	-04°50'53"	-03°21'08"	0.003
11/12/2031 00:00:00	X	26°06'56" ♄	01°17'19"	-09°25'18"	-00°00'21"	94.383
11/12/2031 00:00:00	Y	05°06'54" ♄	09°27'20"	-11°52'18"	-00°00'37"	80.636
12/12/2031 00:00:00	♁	19°44'23" ♁	-23°02'12"	-00°00'00"	01°01'00"	0.985
12/12/2031 00:00:00	♃	17°49'20" ♍	-17°13'19"	-00°05'08"	13°57'52"	0.002
12/12/2031 00:00:00	♀	00°14'59" ♁	-17°31'52"	02°43'35"	00°21'53"	0.865
12/12/2031 00:00:00	♀	09°02'23" ♍	-12°22'56"	02°14'22"	01°11'36"	1.068

Ephemerides year 2031

12/12/2031 00:00:00	♂	16°25'50" ♊	-17°08'44"	-01°17'51"	00°46'03"	1.656
12/12/2031 00:00:00	♃	05°45'52" ♉	-23°16'06"	00°02'21"	00°13'34"	6.156
12/12/2031 00:00:00	♅	19°30'38" ♊	21°26'43"	-01°34'41"	-00°04'57"	8.043
12/12/2031 00:00:00	♁	25°27'31" ♊	23°30'37" ♁	00°09'19"	-00°02'33"	18.108
12/12/2031 00:00:00	♃	12°51'38" ♉	03°36'52"	-01°35'18"	-00°00'25"	29.448
12/12/2031 00:00:00	♁	11°47'11" ♊	-23°32'20" ♁	-06°33'28"	00°01'15"	37.541
12/12/2031 00:00:00	♁	18°45'35" ♎	-17°23'59"	00°00'00"	00°00'05"	0.002
12/12/2031 00:00:00	♃	17°27'03" ♉	14°40'46"	-02°27'14"	-00°02'27"	15.638
12/12/2031 00:00:00	♁	03°06'05" ♎	14°35'56"	-04°59'27"	00°06'43"	0.003
12/12/2031 00:00:00	♁	18°45'35" ♎	-17°23'59"	00°00'00"	00°00'05"	0.002
12/12/2031 00:00:00	♁	23°31'49" ♉	16°43'47"	-04°43'15"	-03°09'38"	0.003
12/12/2031 00:00:00	X	26°06'35" ♉	01°17'18"	-09°25'11"	-00°00'20"	94.397
12/12/2031 00:00:00	Y	05°06'17" ♊	09°27'17"	-11°52'15"	-00°00'37"	80.640
13/12/2031 00:00:00	♁	20°45'25" ♉	-23°06'40"	00°00'00"	01°01'01"	0.985
13/12/2031 00:00:00	♁	01°59'59" ♉	-19°23'01"	01°11'47"	14°22'54"	0.002
13/12/2031 00:00:00	♁	00°40'58" ♉	-17°39'49"	02°40'55"	00°29'56"	0.888
13/12/2031 00:00:00	♀	10°14'03" ♎	-12°45'31"	02°14'15"	01°11'42"	1.074
13/12/2031 00:00:00	♂	17°11'54" ♊	-16°54'00"	-01°17'03"	00°46'04"	1.662
13/12/2031 00:00:00	♃	05°59'27" ♉	-23°15'35"	00°02'15"	00°13'36"	6.160

Ephemerides year 2031

13/12/2031 00:00:00	♃	19°25'40" ♀	21°26'26"	-01°34'35"	-00°04'57"	8.043
13/12/2031 00:00:00	♃	25°24'58" ♀	23°30'33" ♀	00°09'19"	-00°02'33"	18.106
13/12/2031 00:00:00	♃	12°51'14" ♀	03°36'45"	-01°35'16"	-00°00'23"	29.464
13/12/2031 00:00:00	♃	11°48'26" ♀	-23°31'54" ♀	-06°33'24"	00°01'16"	37.555
13/12/2031 00:00:00	♃	18°44'56" ♀	-17°23'48"	00°00'00"	-00°01'28"	0.002
13/12/2031 00:00:00	♃	17°24'36" ♀	14°40'05"	-02°27'14"	-00°02'25"	15.646
13/12/2031 00:00:00	♃	03°12'49" ♀	14°34'13"	-04°59'40"	00°06'43"	0.003
13/12/2031 00:00:00	♃	18°44'56" ♀	-17°23'48"	00°00'00"	-00°01'28"	0.002
13/12/2031 00:00:00	♃	20°36'53" ♀	17°18'31"	-04°35'40"	-02°38'19"	0.003
13/12/2031 00:00:00	X	26°06'15" ♀	01°17'17"	-09°25'04"	-00°00'20"	94.411
13/12/2031 00:00:00	Y	05°05'40" ♀	09°27'13"	-11°52'13"	-00°00'37"	80.644
14/12/2031 00:00:00	♃	21°46'27" ♀	-23°10'40"	00°00'00"	01°01'02"	0.984
14/12/2031 00:00:00	♃	16°33'37" ♀	-20°20'00"	02°26'00"	14°43'23"	0.002
14/12/2031 00:00:00	♃	01°14'36" ♀	-17°50'15"	02°37'13"	00°37'09"	0.912
14/12/2031 00:00:00	♃	11°25'48" ♀	-13°07'52"	02°14'02"	01°11'48"	1.081
14/12/2031 00:00:00	♃	17°57'59" ♀	-16°39'05"	-01°16'14"	00°46'06"	1.668
14/12/2031 00:00:00	♃	06°13'05" ♀	-23°15'03"	00°02'10"	00°13'38"	6.164
14/12/2031 00:00:00	♃	19°20'43" ♀	21°26'08"	-01°34'30"	-00°04'57"	8.044
14/12/2031 00:00:00	♃	25°22'24" ♀	23°30'28" ♀	00°09'20"	-00°02'33"	18.105

Ephemerides year 2031

14/12/2031 00:00:00	♁	12°50'51" ♏	03°36'39"	-01°35'13"	-00°00'21"	29.480
14/12/2031 00:00:00	♁	11°49'43" ♎	-23°31'28"	o-06°33'20"	00°01'17"	37.569
14/12/2031 00:00:00	♁	18°42'37" ♏	-17°23'10"	00°00'00"	-00°03'10"	0.002
14/12/2031 00:00:00	♁	17°22'12" ♏	14°39'25"	-02°27'14"	-00°02'23"	15.655
14/12/2031 00:00:00	♁	03°19'32" ♏	14°32'30"	-04°59'53"	00°06'43"	0.003
14/12/2031 00:00:00	T♁	18°42'37" ♏	-17°23'10"	00°00'00"	-00°03'10"	0.002
14/12/2031 00:00:00	T♁	18°15'44" ♏	17°44'37"	-04°29'02"	-02°05'11"	0.003
14/12/2031 00:00:00	X	26°05'55" ♏	01°17'17"	-09°24'57"	-00°00'19"	94.424
14/12/2031 00:00:00	Y	05°05'02" ♏	09°27'09"	-11°52'10"	-00°00'36"	80.648
15/12/2031 00:00:00	♁	22°47'30" ♏	-23°14'13"	00°00'00"	01°01'03"	0.984
15/12/2031 00:00:00	♁	01°24'21" ♏	-19°53'50"	03°31'42"	14°56'42"	0.002
15/12/2031 00:00:00	♁	01°55'02" ♏	-18°02'45"	02°32'40"	00°43'35"	0.936
15/12/2031 00:00:00	♁	12°37'39" ♏	-13°29'58"	02°13'42"	01°11'53"	1.088
15/12/2031 00:00:00	♁	18°44'06" ♎	-16°24'01"	-01°15'25"	00°46'07"	1.673
15/12/2031 00:00:00	♁	06°26'44" ♏	-23°14'30"	00°02'04"	00°13'39"	6.167
15/12/2031 00:00:00	♁	19°15'46" ♏	21°25'51"	-01°34'23"	-00°04'56"	8.045
15/12/2031 00:00:00	♁	25°19'50" ♏	23°30'23"	o 00°09'21"	-00°02'33"	18.104
15/12/2031 00:00:00	♁	12°50'31" ♏	03°36'34"	-01°35'10"	-00°00'19"	29.497
15/12/2031 00:00:00	♁	11°51'02" ♎	-23°31'01"	o-06°33'16"	00°01'18"	37.583

Ephemerides year 2031

15/12/2031 00:00:00	♏	18°38'40" ♀	-17°22'05"	00°00'00"	-00°04'38"	0.002
15/12/2031 00:00:00	♋	17°19'50" ♂	14°38'46"	-02°27'14"	-00°02'20"	15.663
15/12/2031 00:00:00	♌	03°26'15" ♀	14°30'47"	-05°00'05"	00°06'43"	0.003
15/12/2031 00:00:00	♏	18°38'40" ♀	-17°22'05"	00°00'00"	-00°04'38"	0.002
15/12/2031 00:00:00	♌	16°21'39" ♀	18°04'19"	-04°23'26"	-01°46'14"	0.003
15/12/2031 00:00:00	X	26°05'36" ♂	01°17'17"	-09°24'50"	-00°00'18"	94.439
15/12/2031 00:00:00	Y	05°04'26" ♀	09°27'06"	-11°52'07"	-00°00'36"	80.652
16/12/2031 00:00:00	♏	23°48'34" ♂	-23°17'18"	00°00'00"	01°01'04"	0.984
16/12/2031 00:00:00	♎	16°24'02" ♂	-18°04'01"	04°23'28"	15°01'06"	0.002
16/12/2031 00:00:00	♌	02°41'31" ♂	-18°16'59"	02°27'22"	00°49'16"	0.959
16/12/2031 00:00:00	♌	13°49'36" ♀	-13°51'49"	02°13'17"	01°11'59"	1.095
16/12/2031 00:00:00	♌	19°30'14" ♀	-16°08'48"	-01°14'35"	00°46'08"	1.679
16/12/2031 00:00:00	♌	06°40'24" ♂	-23°13'55"	00°01'58"	00°13'41"	6.171
16/12/2031 00:00:00	♌	19°10'50" ♀	21°25'33"	-01°34'17"	-00°04'55"	8.046
16/12/2031 00:00:00	♌	25°17'17" ♀	23°30'18"	00°09'21"	-00°02'33"	18.103
16/12/2031 00:00:00	♌	12°50'13" ♂	03°36'30"	-01°35'07"	-00°00'17"	29.513
16/12/2031 00:00:00	♌	11°52'21" ♀	-23°30'35"	-06°33'12"	00°01'20"	37.596
16/12/2031 00:00:00	♏	18°33'32" ♀	-17°20'40"	00°00'00"	-00°05'31"	0.002
16/12/2031 00:00:00	♋	17°17'31" ♂	14°38'08"	-02°27'14"	-00°02'18"	15.672

Ephemerides year 2031

16/12/2031 00:00:00	☾	03°32'59" ♈	14°29'04"	-05°00'18"	00°06'43"	0.003
16/12/2031 00:00:00	♁	18°33'32" ♎	-17°20'40"	00°00'00"	-00°05'31"	0.002
16/12/2031 00:00:00	♁	14°36'13" ♎	18°21'19"	-04°18'09"	-01°47'59"	0.003
16/12/2031 00:00:00	X	26°05'17" ♎	01°17'17"	-09°24'43"	-00°00'18"	94.453
16/12/2031 00:00:00	Y	05°03'49" ♎	09°27'03"	-11°52'04"	-00°00'36"	80.657
17/12/2031 00:00:00	☉	24°49'38" ♏	-23°19'55"	00°00'00"	01°01'04"	0.984
17/12/2031 00:00:00	☾	01°23'27" ♏	-15°00'39"	04°57'06"	14°56'15"	0.002
17/12/2031 00:00:00	♀	03°33'21" ♏	-18°32'36"	02°21'27"	00°54'16"	0.982
17/12/2031 00:00:00	♀	15°01'38" ♎	-14°13'23"	02°12'46"	01°12'04"	1.101
17/12/2031 00:00:00	♂	20°16'22" ♏	-15°53'25"	-01°13'46"	00°46'08"	1.685
17/12/2031 00:00:00	♃	06°54'06" ♏	-23°13'19"	00°01'52"	00°13'42"	6.174
17/12/2031 00:00:00	♃	19°05'54" ♎	21°25'16"	-01°34'11"	-00°04'55"	8.048
17/12/2031 00:00:00	♃	25°14'43" ♎	23°30'14"	00°09'22"	-00°02'34"	18.103
17/12/2031 00:00:00	♃	12°49'57" ♎	03°36'26"	-01°35'04"	-00°00'15"	29.530
17/12/2031 00:00:00	♃	11°53'42" ♏	-23°30'08"	00°01'21"	00°01'21"	37.610
17/12/2031 00:00:00	♁	18°27'53" ♎	-17°19'06"	00°00'00"	-00°05'36"	0.002
17/12/2031 00:00:00	♃	17°15'14" ♏	14°37'30"	-02°27'13"	-00°02'15"	15.682
17/12/2031 00:00:00	☾	03°39'42" ♈	14°27'20"	-05°00'30"	00°06'43"	0.003
17/12/2031 00:00:00	♁	18°27'53" ♎	-17°19'06"	00°00'00"	-00°05'36"	0.002

Ephemerides year 2031

17/12/2031 00:00:00	T♄	12°40'40" ♉	18°38'32"	-04°12'18"	-02°04'18"	0.003
17/12/2031 00:00:00	X	26°04'59" ♏	01°17'17"	-09°24'36"	-00°00'17"	94.467
17/12/2031 00:00:00	Y	05°03'13" ♋	09°27'00"	-11°52'01"	-00°00'36"	80.662
18/12/2031 00:00:00	☉	25°50'43" ♈	-23°22'04"	00°00'00"	01°01'05"	0.984
18/12/2031 00:00:00	☾	16°13'50" ♎	-11°01'29"	05°10'26"	14°43'19"	0.002
18/12/2031 00:00:00	♀	04°29'52" ♈	-18°49'18"	02°15'01"	00°58'40"	1.004
18/12/2031 00:00:00	♀	16°13'44" ♎	-14°34'40"	02°12'09"	01°12'08"	1.108
18/12/2031 00:00:00	♂	21°02'31" ♎	-15°37'54"	-01°12'57"	00°46'09"	1.691
18/12/2031 00:00:00	♃	07°07'49" ♉	-23°12'41"	00°01'46"	00°13'43"	6.176
18/12/2031 00:00:00	♅	19°01'00" ♋	21°24'59"	-01°34'04"	-00°04'54"	8.050
18/12/2031 00:00:00	♁	25°12'08" ♋	23°30'09"	00°09'23"	-00°02'34"	18.103
18/12/2031 00:00:00	♃	12°49'43" ♏	03°36'23"	-01°35'01"	-00°00'13"	29.546
18/12/2031 00:00:00	♁	11°55'04" ♎	-23°29'41"	00°09'23"	-00°02'34"	18.103
18/12/2031 00:00:00	♁	11°55'04" ♎	-23°29'41"	00°01'22"	37.623	
18/12/2031 00:00:00	♁	18°22'36" ♎	-17°17'39"	00°00'00"	-00°04'50"	0.002
18/12/2031 00:00:00	♃	17°12'59" ♏	14°36'53"	-02°27'12"	-00°02'12"	15.691
18/12/2031 00:00:00	♁	03°46'25" ♈	14°25'37"	-05°00'42"	00°06'43"	0.003
18/12/2031 00:00:00	T♁	18°22'36" ♎	-17°17'39"	00°00'00"	-00°04'50"	0.002
18/12/2031 00:00:00	T♄	10°28'45" ♉	18°56'31"	-04°05'23"	-02°16'58"	0.003
18/12/2031 00:00:00	X	26°04'41" ♏	01°17'18"	-09°24'28"	-00°00'17"	94.482

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18/12/2031 00:00:00	Y	05°02'36" ♀	09°26'58"	-11°51'57"	-00°00'36"	80.668
19/12/2031 00:00:00	☉	26°51'48" ♄	-23°23'45"	00°00'00"	01°01'05"	0.984
19/12/2031 00:00:00	☾	00°48'11" ♃	-06°27'07"	05°03'22"	14°24'37"	0.002
19/12/2031 00:00:00	♀	05°30'31" ♄	-19°06'49"	02°08'10"	01°02'32"	1.027
19/12/2031 00:00:00	♀	17°25'55" ♃	-14°55'38"	02°11'26"	01°12'13"	1.114
19/12/2031 00:00:00	♂	21°48'41" ♁	-15°22'13"	-01°12'07"	00°46'10"	1.697
19/12/2031 00:00:00	♃	07°21'34" ♁	-23°12'02"	00°01'41"	00°13'44"	6.179
19/12/2031 00:00:00	♃	18°56'06" ♀	21°24'42"	-01°33'57"	-00°04'53"	8.052
19/12/2031 00:00:00	♃	25°09'34" ♀	23°30'04"	00°09'23"	-00°02'34"	18.103
19/12/2031 00:00:00	♃	12°49'31" ♃	03°36'21"	-01°34'58"	-00°00'11"	29.563
19/12/2031 00:00:00	♁	11°56'27" ♁	-23°29'14"	00°06'33'01"	00°01'23"	37.636
19/12/2031 00:00:00	♁	18°18'26" ♃	-17°16'29"	00°00'00"	-00°03'24"	0.002
19/12/2031 00:00:00	♃	17°10'48" ♃	14°36'17"	-02°27'12"	-00°02'10"	15.701
19/12/2031 00:00:00	♃	03°53'08" ♃	14°23'53"	-05°00'54"	00°06'43"	0.003
19/12/2031 00:00:00	T♁	18°18'26" ♃	-17°16'29"	00°00'00"	-00°03'24"	0.002
19/12/2031 00:00:00	T♃	08°15'35" ♃	19°12'53"	-03°58'06"	-02°03'23"	0.003
19/12/2031 00:00:00	X	26°04'24" ♃	01°17'19"	-09°24'21"	-00°00'16"	94.497
19/12/2031 00:00:00	Y	05°02'00" ♀	09°26'55"	-11°51'54"	-00°00'35"	80.673
20/12/2031 00:00:00	☉	27°52'54" ♄	-23°24'58"	00°00'00"	01°01'05"	0.984

Ephemerides year 2031

20/12/2031 00:00:00	♃	15°02'05"	♈	-01°37'27"	♈	04°37'36"	♈	14°02'52"	0.002
20/12/2031 00:00:00	♆	06°34'47"	♈	-19°24'53"	♈	02°00'59"	♈	01°05'55"	1.048
20/12/2031 00:00:00	♀	18°38'11"	♏	-15°16'18"	♏	02°10'38"	♏	01°12'18"	1.121
20/12/2031 00:00:00	♂	22°34'52"	♏	-15°06'24"	♏	-01°11'17"	♏	00°46'10"	1.702
20/12/2031 00:00:00	♃	07°35'19"	♈	-23°11'21"	♈	00°01'35"	♈	00°13'45"	6.181
20/12/2031 00:00:00	♅	18°51'14"	♊	21°24'25"	♊	-01°33'50"	♊	-00°04'51"	8.054
20/12/2031 00:00:00	♁	25°07'00"	♊	23°29'59"	♊	00°09'24"	♊	-00°02'33"	18.103
20/12/2031 00:00:00	♆	12°49'21"	♏	03°36'20"	♏	-01°34'55"	♏	-00°00'09"	29.580
20/12/2031 00:00:00	♁	11°57'51"	♏	-23°28'46"	♏	-06°32'57"	♏	00°01'24"	37.648
20/12/2031 00:00:00	♁	18°15'54"	♏	-17°15'47"	♏	00°00'00"	♏	-00°01'38"	0.002
20/12/2031 00:00:00	♃	17°08'39"	♏	14°35'42"	♏	-02°27'11"	♏	-00°02'07"	15.711
20/12/2031 00:00:00	♁	03°59'51"	♏	14°22'10"	♏	-05°01'06"	♏	00°06'43"	0.003
20/12/2031 00:00:00	♁	18°15'54"	♏	-17°15'47"	♏	00°00'00"	♏	-00°01'38"	0.002
20/12/2031 00:00:00	♁	06°35'02"	♏	19°24'04"	♏	-03°52'22"	♏	-01°11'21"	0.003
20/12/2031 00:00:00	X	26°04'08"	♏	01°17'20"	♏	-09°24'13"	♏	-00°00'16"	94.512
20/12/2031 00:00:00	Y	05°01'25"	♊	09°26'53"	♊	-11°51'50"	♊	-00°00'35"	80.679
21/12/2031 00:00:00	♁	28°54'00"	♈	-23°25'42"	♈	00°00'00"	♈	01°01'05"	0.984
21/12/2031 00:00:00	♃	28°53'45"	♈	03°10'16"	♈	03°56'06"	♈	13°40'32"	0.003
21/12/2031 00:00:00	♆	07°42'13"	♈	-19°43'18"	♈	01°53'30"	♈	01°08'52"	1.069

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21/12/2031 00:00:00	♀	19°50'32" ♍	-15°36'38"	02°09'44"	01°12'22"	1.127
21/12/2031 00:00:00	♂	23°21'03" ♋	-14°50'27"	-01°10'27"	00°46'11"	1.708
21/12/2031 00:00:00	♃	07°49'05" ♌	-23°10'39"	00°01'29"	00°13'46"	6.184
21/12/2031 00:00:00	♅	18°46'23" ♋	21°24'08"	-01°33'42"	-00°04'50"	8.057
21/12/2031 00:00:00	♁	25°04'26" ♋	23°29'53" ○	00°09'24"	-00°02'33"	18.104
21/12/2031 00:00:00	♃	12°49'13" ♋	03°36'20"	-01°34'53"	-00°00'07"	29.597
21/12/2031 00:00:00	♁	11°59'16" ♋	-23°28'19" ○	-06°32'54"	00°01'25"	37.661
21/12/2031 00:00:00	♁	18°15'07" ♍	-17°15'34"	00°00'00"	00°00'00"	0.002
21/12/2031 00:00:00	♃	17°06'33" ♋	14°35'08"	-02°27'10"	-00°02'04"	15.721
21/12/2031 00:00:00	♁	04°06'35" ♋	14°20'26"	-05°01'17"	00°06'43"	0.003
21/12/2031 00:00:00	T♁	18°15'07" ♍	-17°15'34"	00°00'00"	00°00'00"	0.002
21/12/2031 00:00:00	T♁	06°03'18" ♋	19°27'22"	-03°50'32"	00°11'33"	0.003
21/12/2031 00:00:00	X	26°03'52" ♋	01°17'22"	-09°24'06"	-00°00'15"	94.527
21/12/2031 00:00:00	Y	05°00'49" ♋	09°26'51"	-11°51'46"	-00°00'35"	80.685
22/12/2031 00:00:00	♁	29°55'05" ♋	-23°25'59"	00°00'00"	01°01'06"	0.984
22/12/2031 00:00:00	♃	12°23'36" ♋	07°41'40"	03°02'24"	13°19'29"	0.003
22/12/2031 00:00:00	♁	08°52'25" ♋	-20°01'52"	01°45'49"	01°11'28"	1.089
22/12/2031 00:00:00	♀	21°02'56" ♍	-15°56'38"	02°08'45"	01°12'26"	1.134
22/12/2031 00:00:00	♂	24°07'14" ♋	-14°34'21"	-01°09'37"	00°46'11"	1.714

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22/12/2031 00:00:00	♃	08°02'53" ♄	-23°09'56"	00°01'23"	00°13'47"	6.185
22/12/2031 00:00:00	♅	18°41'33" ♀	21°23'52"	-01°33'35"	-00°04'48"	8.060
22/12/2031 00:00:00	♅	25°01'53" ♀	23°29'48" ♁	00°09'25"	-00°02'33"	18.106
22/12/2031 00:00:00	♆	12°49'07" ♀	03°36'20"	-01°34'50"	-00°00'04"	29.613
22/12/2031 00:00:00	♁	12°00'42" ♁	-23°27'51" ♁	-06°32'51"	00°01'26"	37.673
22/12/2031 00:00:00	♁	18°15'45" ♁	-17°15'45"	00°00'00"	00°01'09"	0.002
22/12/2031 00:00:00	♆	17°04'29" ♀	14°34'35"	-02°27'08"	-00°02'01"	15.731
22/12/2031 00:00:00	♁	04°13'18" ♁	14°18'42"	-05°01'29"	00°06'43"	0.003
22/12/2031 00:00:00	♁	18°15'45" ♁	-17°15'45"	00°00'00"	00°01'09"	0.002
22/12/2031 00:00:00	♁	07°01'44" ♁	19°21'09"	-03°53'57"	01°45'18"	0.003
22/12/2031 00:00:00	X	26°03'37" ♀	01°17'23"	-09°23'58"	-00°00'14"	94.542
22/12/2031 00:00:00	Y	05°00'14" ♀	09°26'49"	-11°51'42"	-00°00'34"	80.692
23/12/2031 00:00:00	♁	00°56'12" ♄	-23°25'47"	00°00'00"	01°01'06"	0.984
23/12/2031 00:00:00	♁	25°33'32" ♀	11°44'41"	02°00'14"	13°00'50"	0.003
23/12/2031 00:00:00	♁	10°05'04" ♀	-20°20'25"	01°37'58"	01°13'45"	1.109
23/12/2031 00:00:00	♁	22°15'26" ♁	-16°16'16"	02°07'40"	01°12'31"	1.140
23/12/2031 00:00:00	♁	24°53'25" ♁	-14°18'07"	-01°08'47"	00°46'11"	1.720
23/12/2031 00:00:00	♃	08°16'41" ♄	-23°09'10"	00°01'18"	00°13'48"	6.187
23/12/2031 00:00:00	♅	18°36'46" ♀	21°23'35"	-01°33'27"	-00°04'46"	8.064

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23/12/2031 00:00:00	♃	24°59'20" ♀r	23°29'43" ♀	00°09'25"	-00°02'33"	18.107
23/12/2031 00:00:00	♃	12°49'03" ♀r	03°36'21"	-01°34'47"	-00°00'02"	29.630
23/12/2031 00:00:00	♃	12°02'09" ♀	-23°27'23" ♀	-06°32'48"	00°01'27"	37.686
23/12/2031 00:00:00	♃	18°17'11" ♀	-17°16'08"	00°00'00"	00°01'32"	0.002
23/12/2031 00:00:00	♃	17°02'29" ♀r	14°34'02"	-02°27'07"	-00°01'58"	15.742
23/12/2031 00:00:00	♃	04°20'01" ♀	14°16'59"	-05°01'40"	00°06'43"	0.003
23/12/2031 00:00:00	♃	18°17'11" ♀	-17°16'08"	00°00'00"	00°01'32"	0.002
23/12/2031 00:00:00	♃	09°30'58" ♀	19°03'45"	-04°02'21"	03°10'26"	0.003
23/12/2031 00:00:00	X	26°03'22" ♀r	01°17'25"	-09°23'51"	-00°00'14"	94.557
23/12/2031 00:00:00	Y	04°59'40" ♀r	09°26'47"	-11°51'38"	-00°00'34"	80.699
24/12/2031 00:00:00	♃	01°57'18" ♀	-23°25'07"	00°00'00"	01°01'06"	0.984
24/12/2031 00:00:00	♃	08°26'13" ♀	15°09'14"	00°53'18"	12°45'01"	0.003
24/12/2031 00:00:00	♃	11°19'50" ♀	-20°38'48"	01°29'59"	01°15'45"	1.128
24/12/2031 00:00:00	♃	23°27'59" ♀	-16°35'32"	02°06'31"	01°12'35"	1.147
24/12/2031 00:00:00	♃	25°39'37" ♀	-14°01'46"	-01°07'57"	00°46'11"	1.726
24/12/2031 00:00:00	♃	08°30'30" ♀	-23°08'24"	00°01'12"	00°13'49"	6.189
24/12/2031 00:00:00	♃	18°32'00" ♀r	21°23'19"	-01°33'19"	-00°04'44"	8.067
24/12/2031 00:00:00	♃	24°56'47" ♀r	23°29'38" ♀	00°09'26"	-00°02'32"	18.109
24/12/2031 00:00:00	♃	12°49'01" ♀r	03°36'23"	-01°34'44"	-00°00'00"	29.647

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24/12/2031 00:00:00	♁	12°03'38" ♁	-23°26'55" ♁	-06°32'45"	00°01'28"	37.697
24/12/2031 00:00:00	♁	18°18'32" ♁	-17°16'31"	00°00'00"	00°01'00"	0.002
24/12/2031 00:00:00	♁	17°00'32" ♁	14°33'31"	-02°27'06"	-00°01'55"	15.753
24/12/2031 00:00:00	♁	04°26'44" ♁	14°15'14"	-05°01'52"	00°06'43"	0.003
24/12/2031 00:00:00	♁	18°18'32" ♁	-17°16'31"	00°00'00"	00°01'00"	0.002
24/12/2031 00:00:00	♁	13°15'20" ♁	18°33'32"	-04°14'03"	04°13'56"	0.003
24/12/2031 00:00:00	X	26°03'08" ♁	01°17'27"	-09°23'43"	-00°00'13"	94.573
24/12/2031 00:00:00	Y	04°59'05" ♁	09°26'46"	-11°51'34"	-00°00'34"	80.706
25/12/2031 00:00:00	♁	02°58'25" ♁	-23°23'59"	-00°00'00"	01°01'06"	0.984
25/12/2031 00:00:00	♁	21°04'31" ♁	17°46'54"	-00°14'56"	12°32'00"	0.003
25/12/2031 00:00:00	♁	12°36'29" ♁	-20°56'53"	01°21'56"	01°17'30"	1.146
25/12/2031 00:00:00	♁	24°40'37" ♁	-16°54'26"	02°05'16"	01°12'39"	1.153
25/12/2031 00:00:00	♁	26°25'49" ♁	-13°45'17"	-01°07'07"	00°46'12"	1.732
25/12/2031 00:00:00	♁	08°44'20" ♁	-23°07'36"	00°01'06"	00°13'50"	6.190
25/12/2031 00:00:00	♁	18°27'17" ♁	21°23'03"	-01°33'11"	-00°04'42"	8.071
25/12/2031 00:00:00	♁	24°54'14" ♁	23°29'32" ♁	00°09'26"	-00°02'32"	18.111
25/12/2031 00:00:00	♁	12°49'01" ♁	03°36'26"	-01°34'41"	00°00'01"	29.665
25/12/2031 00:00:00	♁	12°05'07" ♁	-23°26'26" ♁	-06°32'43"	00°01'29"	37.709
25/12/2031 00:00:00	♁	18°18'56" ♁	-17°16'37"	00°00'00"	-00°00'21"	0.003

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25/12/2031 00:00:00	♄	16°58'37"	♎	14°33'00"	-02°27'04"	-00°01'52"	15.764
25/12/2031 00:00:00	♁	04°33'28"	♏	14°13'30"	-05°02'03"	00°06'43"	0.003
25/12/2031 00:00:00	♅	18°18'56"	♏	-17°16'37"	00°00'00"	-00°00'21"	0.003
25/12/2031 00:00:00	♁	17°49'07"	♏	17°50'13"	-04°26'50"	04°48'23"	0.003
25/12/2031 00:00:00	X	26°02'55"	♏	01°17'30"	-09°23'35"	-00°00'13"	94.588
25/12/2031 00:00:00	Y	04°58'32"	♏	09°26'44"	-11°51'29"	-00°00'33"	80.713
26/12/2031 00:00:00	♁	03°59'32"	♏	-23°22'22"	-00°00'00"	01°01'07"	0.983
26/12/2031 00:00:00	♃	03°31'04"	♏	19°31'17"	-01°21'16"	12°21'26"	0.003
26/12/2031 00:00:00	♁	13°54'48"	♏	-21°14'33"	01°13'49"	01°19'04"	1.164
26/12/2031 00:00:00	♁	25°53'18"	♏	-17°12'56"	02°03'57"	01°12'43"	1.160
26/12/2031 00:00:00	♁	27°12'01"	♏	-13°28'40"	-01°06'16"	00°46'12"	1.737
26/12/2031 00:00:00	♁	08°58'11"	♏	-23°06'46"	00°01'00"	00°13'50"	6.191
26/12/2031 00:00:00	♁	18°22'36"	♏	21°22'47"	-01°33'02"	-00°04'39"	8.076
26/12/2031 00:00:00	♁	24°51'43"	♏	23°29'27"	00°09'27"	-00°02'31"	18.114
26/12/2031 00:00:00	♁	12°49'04"	♏	03°36'30"	-01°34'38"	00°00'03"	29.682
26/12/2031 00:00:00	♁	12°06'37"	♏	-23°25'58"	-06°32'40"	00°01'30"	37.721
26/12/2031 00:00:00	♁	18°17'35"	♏	-17°16'15"	00°00'00"	-00°02'23"	0.003
26/12/2031 00:00:00	♄	16°56'46"	♎	14°32'31"	-02°27'02"	-00°01'49"	15.775
26/12/2031 00:00:00	♁	04°40'11"	♏	14°11'46"	-05°02'14"	00°06'43"	0.003

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26/12/2031 00:00:00	T♄	18°17'35" ♍	-17°16'15"	00°00'00"	-00°02'23"	0.003
26/12/2031 00:00:00	T♄	22°41'29" ♉	16°56'36"	-04°38'33"	04°51'05"	0.003
26/12/2031 00:00:00	X	26°02'42" ♏	01°17'33"	-09°23'28"	-00°00'12"	94.604
26/12/2031 00:00:00	Y	04°57'58" ♀	09°26'43"	-11°51'25"	-00°00'33"	80.721
27/12/2031 00:00:00	☉	05°00'39" ♁	-23°20'18"	-00°00'00"	01°01'07"	0.983
27/12/2031 00:00:00	☾	15°48'05" ♀	20°18'34"	-02°22'48"	12°12'52"	0.003
27/12/2031 00:00:00	☿	15°14'34" ♏	-21°31'41"	01°05'41"	01°20'26"	1.181
27/12/2031 00:00:00	♀	27°06'04" ♍	-17°31'01"	02°02'33"	01°12'47"	1.166
27/12/2031 00:00:00	♂	27°58'13" ♁	-13°11'57"	-01°05'26"	00°46'12"	1.743
27/12/2031 00:00:00	♃	09°12'02" ♁	-23°05'55"	00°00'55"	00°13'51"	6.192
27/12/2031 00:00:00	♅	18°17'57" ♀	21°22'32"	-01°32'54"	-00°04'37"	8.080
27/12/2031 00:00:00	♁	24°49'12" ♀	23°29'21"	00°09'27"	-00°02'30"	18.116
27/12/2031 00:00:00	♆	12°49'09" ♏	03°36'34"	-01°34'35"	00°00'05"	29.699
27/12/2031 00:00:00	♁	12°08'09" ♁	-23°25'29"	-06°32'38"	00°01'31"	37.732
27/12/2031 00:00:00	♁	18°14'01" ♍	-17°15'16"	00°00'00"	-00°04'45"	0.003
27/12/2031 00:00:00	♅	16°54'58" ♏	14°32'02"	-02°27'01"	-00°01'46"	15.787
27/12/2031 00:00:00	♁	04°46'54" ♁	14°10'02"	-05°02'24"	00°06'43"	0.003
27/12/2031 00:00:00	T♄	18°14'01" ♍	-17°15'16"	00°00'00"	-00°04'45"	0.003
27/12/2031 00:00:00	T♄	27°21'40" ♉	15°58'31"	-04°47'49"	04°25'08"	0.003

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27/12/2031 00:00:00	X	26°02'30"	01°17'36"	-09°23'20"	-00°00'11"	94.620
27/12/2031 00:00:00	Y	04°57'25"	09°26'42"	-11°51'20"	-00°00'32"	80.728
28/12/2031 00:00:00		06°01'46"	-23°17'45"	-00°00'00"	01°01'07"	0.983
28/12/2031 00:00:00		27°57'19"	20°08'04"	-03°16'59"	12°05'51"	0.003
28/12/2031 00:00:00		16°35'38"	-21°48'12"	00°57'34"	01°21'40"	1.197
28/12/2031 00:00:00		28°18'54"	-17°48'42"	02°01'03"	01°12'51"	1.172
28/12/2031 00:00:00		28°44'25"	-12°55'06"	-01°04'35"	00°46'12"	1.749
28/12/2031 00:00:00		09°25'54"	-23°05'02"	00°00'49"	00°13'52"	6.193
28/12/2031 00:00:00		18°13'21"	21°22'17"	-01°32'45"	-00°04'34"	8.085
28/12/2031 00:00:00		24°46'41"	23°29'16"	00°09'28"	-00°02'30"	18.119
28/12/2031 00:00:00		12°49'15"	03°36'40"	-01°34'32"	00°00'07"	29.716
28/12/2031 00:00:00		12°09'41"	-23°25'00"	-06°32'35"	00°01'32"	37.743
28/12/2031 00:00:00		18°08'04"	-17°13'37"	00°00'00"	-00°07'06"	0.003
28/12/2031 00:00:00		16°53'13"	14°31'34"	-02°26'59"	-00°01'43"	15.799
28/12/2031 00:00:00		04°53'38"	14°08'17"	-05°02'35"	00°06'43"	0.003
28/12/2031 00:00:00	T	18°08'04"	-17°13'37"	00°00'00"	-00°07'06"	0.003
28/12/2031 00:00:00	T	01°25'39"	15°03'00"	-04°54'14"	03°41'01"	0.003
28/12/2031 00:00:00	X	26°02'19"	01°17'39"	-09°23'12"	-00°00'11"	94.635
28/12/2031 00:00:00	Y	04°56'52"	09°26'42"	-11°51'15"	-00°00'32"	80.737

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29/12/2031 00:00:00	♁	07°02'54" ♃	-23°14'44"	-00°00'00"	01°01'07"	0.983
29/12/2031 00:00:00	♃	10°00'13" ♃	19°02'18"	-04°01'43"	12°00'07"	0.003
29/12/2031 00:00:00	♄	17°57'52" ♃	-22°04'02"	00°49'27"	01°22'45"	1.213
29/12/2031 00:00:00	♅	29°31'47" ♃	-18°05'56"	01°59'30"	01°12'55"	1.179
29/12/2031 00:00:00	♆	29°30'37" ♃	-12°38'08"	-01°03'44"	00°46'11"	1.755
29/12/2031 00:00:00	♇	09°39'46" ♃	-23°04'09"	00°00'43"	00°13'52"	6.193
29/12/2031 00:00:00	♈	18°08'48" ♃	21°22'02"	-01°32'36"	-00°04'31"	8.091
29/12/2031 00:00:00	♉	24°44'11" ♃	23°29'10"	00°09'28"	-00°02'29"	18.123
29/12/2031 00:00:00	♊	12°49'24" ♃	03°36'46"	-01°34'29"	00°00'09"	29.733
29/12/2031 00:00:00	♋	12°11'15" ♃	-23°24'31"	-06°32'33"	00°01'33"	37.754
29/12/2031 00:00:00	♌	17°59'57" ♃	-17°11'21"	00°00'00"	-00°09'03"	0.003
29/12/2031 00:00:00	♍	16°51'31" ♃	14°31'08"	-02°26'57"	-00°01'40"	15.811
29/12/2031 00:00:00	♎	05°00'21" ♃	14°06'33"	-05°02'45"	00°06'43"	0.003
29/12/2031 00:00:00	♏	17°59'57" ♃	-17°11'21"	00°00'00"	-00°09'03"	0.003
29/12/2031 00:00:00	♐	04°42'49" ♃	14°15'00"	-04°58'16"	02°54'07"	0.003
29/12/2031 00:00:00	♑	26°02'08" ♃	01°17'42"	-09°23'04"	-00°00'10"	94.651
29/12/2031 00:00:00	♒	04°56'20" ♃	09°26'41"	-11°51'10"	-00°00'32"	80.745
30/12/2031 00:00:00	♁	08°04'02" ♃	-23°11'16"	-00°00'00"	01°01'07"	0.983
30/12/2031 00:00:00	♃	21°58'00" ♃	17°06'35"	-04°35'22"	11°55'39"	0.003

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30/12/2031 00:00:00	♀	19°21'07" ♄	-22°19'06"	00°41'24"	01°23'44"	1.228
30/12/2031 00:00:00	♀	00°44'44" ♄	-18°22'44"	01°57'52"	01°12'58"	1.185
30/12/2031 00:00:00	♂	00°16'49" ♃	-12°21'04"	-01°02'53"	00°46'11"	1.761
30/12/2031 00:00:00	♃	09°53'39" ♄	-23°03'13"	00°00'38"	00°13'52"	6.193
30/12/2031 00:00:00	♃	18°04'17" ♃	21°21'47"	-01°32'26"	-00°04'29"	8.096
30/12/2031 00:00:00	♃	24°41'42" ♃	23°29'05" ○	00°09'29"	-00°02'28"	18.126
30/12/2031 00:00:00	♃	12°49'35" ♃	03°36'53"	-01°34'26"	00°00'11"	29.751
30/12/2031 00:00:00	♃	12°12'49" ♃	-23°24'02"	-06°32'31"	00°01'34"	37.764
30/12/2031 00:00:00	♃	17°50'12" ♃	-17°08'38"	00°00'00"	-00°10'17"	0.003
30/12/2031 00:00:00	♃	16°49'52" ♃	14°30'42"	-02°26'55"	-00°01'37"	15.823
30/12/2031 00:00:00	♃	05°07'04" ♃	14°04'48"	-05°02'56"	00°06'43"	0.003
30/12/2031 00:00:00	T♃	17°50'12" ♃	-17°08'38"	00°00'00"	-00°10'17"	0.003
30/12/2031 00:00:00	T♃	07°17'31" ♃	13°35'29"	-05°00'45"	02°17'42"	0.003
30/12/2031 00:00:00	X	26°01'58" ♃	01°17'46"	-09°22'56"	-00°00'09"	94.668
30/12/2031 00:00:00	Y	04°55'48" ♃	09°26'41"	-11°51'05"	-00°00'31"	80.753
31/12/2031 00:00:00	♃	09°05'10" ♄	-23°07'19"	-00°00'00"	01°01'08"	0.983
31/12/2031 00:00:00	♃	03°51'59" ♃	14°28'10"	-04°56'47"	11°52'35"	0.003
31/12/2031 00:00:00	♀	20°45'18" ♄	-22°33'19"	00°33'24"	01°24'37"	1.242
31/12/2031 00:00:00	♀	01°57'45" ♄	-18°39'05"	01°56'09"	01°13'02"	1.191

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31/12/2031 00:00:00	♂	01°03'01" ♃	-12°03'54"	-01°02'02"	00°46'11"	1.767
31/12/2031 00:00:00	♃	10°07'32" ♃	-23°02'16"	00°00'32"	00°13'53"	6.193
31/12/2031 00:00:00	♃	17°59'50" ♃	21°21'33"	-01°32'17"	-00°04'25"	8.102
31/12/2031 00:00:00	♃	24°39'14" ♃	23°29'00" ○	00°09'29"	-00°02'27"	18.130
31/12/2031 00:00:00	♃	12°49'48" ♃	03°37'01"	-01°34'23"	00°00'13"	29.768
31/12/2031 00:00:00	♃	12°14'24" ♃	-23°23'33"	-06°32'30"	00°01'35"	37.774
31/12/2031 00:00:00	♃	17°39'40" ♃	-17°05'41"	00°00'00"	-00°10'37"	0.003
31/12/2031 00:00:00	♃	16°48'16" ♃	14°30'17"	-02°26'52"	-00°01'33"	15.835
31/12/2031 00:00:00	♃	05°13'48" ♃	14°03'03"	-05°03'06"	00°06'43"	0.003
31/12/2031 00:00:00	♃	17°39'40" ♃	-17°05'41"	00°00'00"	-00°10'37"	0.003
31/12/2031 00:00:00	♃	09°23'23" ♃	13°02'07"	-05°02'23"	01°56'23"	0.003
31/12/2031 00:00:00	X	26°01'48" ♃	01°17'50"	-09°22'48"	-00°00'09"	94.684
31/12/2031 00:00:00	Y	04°55'17" ♃	09°26'41"	-11°51'00"	-00°00'31"	80.762