

Ephemerides year 2029

# Ephemeris Tables for the year 2029

## 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](mailto:tradizione.esoterica@gmail.com)

## Symbols

### Planets

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

Ephemerides year 2029

Date	Time	Planet	Longitude	Declination	Latitude	Speed	Radius
01/01/2029	00:00:00	♃	10°51'08" ♃	-22°59'33"	00°00'00"	01°01'07"	0.983
01/01/2029	00:00:00	♄	14°38'53" ♄	22°34'09"	-00°03'44"	13°43'32"	0.003
01/01/2029	00:00:00	♅	00°21'56" ♅	-21°04'35"	-01°01'51"	00°56'11"	0.968
01/01/2029	00:00:00	♆	21°04'57" ♆	-22°31'09"	00°37'05"	01°15'09"	1.569
01/01/2029	00:00:00	♇	04°18'06" ♇	00°33'09"	02°27'52"	00°22'44"	1.235
01/01/2029	00:00:00	♈	24°57'33" ♈	-08°29'08"	01°15'47"	00°06'57"	5.609
01/01/2029	00:00:00	♉	04°26'07" ♉	10°38'03"	-02°30'28"	-00°00'30"	8.767
01/01/2029	00:00:00	♊	11°05'22" ♊	22°04'46"	-00°01'22"	-00°02'06"	18.429
01/01/2029	00:00:00	♋	06°09'29" ♋	01°06'11"	-01°27'40"	00°00'31"	29.926
01/01/2029	00:00:00	♌	07°35'18" ♌	-23°23'36"	-05°12'05"	00°01'42"	37.058
01/01/2029	00:00:00	♍	13°58'30" ♍	-22°42'10"	00°00'00"	00°00'00"	0.003
01/01/2029	00:00:00	♎	03°57'35" ♎	11°59'49"	-00°53'31"	-00°00'43"	17.212
01/01/2029	00:00:00	♏	03°21'23" ♏	05°58'18"	05°03'18"	00°06'43"	0.003
01/01/2029	00:00:00	♐	13°58'30" ♐	-22°42'10"	00°00'00"	00°00'00"	0.003
01/01/2029	00:00:00	♑	13°12'06" ♑	-02°24'05"	04°32'36"	-01°05'41"	0.003
01/01/2029	00:00:00	♒	25°19'54" ♒	00°29'24"	-09°58'54"	-00°00'07"	95.007
01/01/2029	00:00:00	♓	02°54'03" ♓	09°02'18"	-11°54'34"	-00°00'29"	81.514

Ephemerides year 2029

02/01/2029 00:00:00	♁	11°52'16" ♀	-22°54'21"	-00°00'00"	01°01'07"	0.983
02/01/2029 00:00:00	♃	28°29'51" ♀	19°09'27"	-01°19'43"	13°57'50"	0.002
02/01/2029 00:00:00	♆	01°14'55" ♀	-20°41'11"	-00°49'42"	00°49'39"	0.941
02/01/2029 00:00:00	♁	22°20'06" ♂	-22°38'19"	00°34'35"	01°15'10"	1.572
02/01/2029 00:00:00	♂	04°40'42" ♀	00°25'08"	02°28'53"	00°22'26"	1.226
02/01/2029 00:00:00	♃	25°04'26" ♀	-08°31'27"	01°15'59"	00°06'48"	5.594
02/01/2029 00:00:00	♃	04°25'41" ♂	10°38'10"	-02°30'11"	-00°00'23"	8.782
02/01/2029 00:00:00	♃	11°03'17" ♀	22°04'29"	-00°01'21"	-00°02'04"	18.438
02/01/2029 00:00:00	♃	06°10'02" ♂	01°06'26"	-01°27'38"	00°00'33"	29.943
02/01/2029 00:00:00	♃	07°37'02" ♀	-23°23'09"	-05°12'05"	00°01'43"	37.067
02/01/2029 00:00:00	♁	13°58'35" ♀	-22°42'09"	00°00'00"	00°00'07"	0.003
02/01/2029 00:00:00	♃	03°56'53" ♂	11°59'34"	-00°53'32"	-00°00'39"	17.227
02/01/2029 00:00:00	♃	03°28'07" ♂	06°01'08"	05°03'28"	00°06'43"	0.003
02/01/2029 00:00:00	♁	13°58'35" ♀	-22°42'09"	00°00'00"	00°00'07"	0.003
02/01/2029 00:00:00	♃	12°34'11" ♂	-02°40'06"	04°30'50"	-00°12'51"	0.003
02/01/2029 00:00:00	X	25°19'47" ♂	00°29'30"	-09°58'46"	-00°00'06"	95.023
02/01/2029 00:00:00	Y	02°53'34" ♀	09°02'18"	-11°54'28"	-00°00'28"	81.524
03/01/2029 00:00:00	♁	12°53'24" ♀	-22°48'41"	-00°00'00"	01°01'08"	0.983
03/01/2029 00:00:00	♃	12°33'22" ♀	14°36'11"	-02°32'01"	14°08'32"	0.002

Ephemerides year 2029

03/01/2029 00:00:00	♀	02°00'57" ♁	-20°18'01"	-00°36'27"	00°42'14"	0.915
03/01/2029 00:00:00	♀	23°35'17" ♂	-22°44'47"	00°32'05"	01°15'10"	1.575
03/01/2029 00:00:00	♂	05°02'58" ♁	00°17'15"	02°29'54"	00°22'06"	1.216
03/01/2029 00:00:00	♃	25°11'11" ♁	-08°33'43"	01°16'12"	00°06'40"	5.578
03/01/2029 00:00:00	♅	04°25'20" ♂	10°38'20"	-02°29'53"	-00°00'16"	8.797
03/01/2029 00:00:00	♁	11°01'14" ♃	22°04'12"	-00°01'20"	-00°02'02"	18.446
03/01/2029 00:00:00	♆	06°10'36" ♂	01°06'43"	-01°27'35"	00°00'35"	29.960
03/01/2029 00:00:00	♁	07°38'45" ♁	-23°22'43"	-05°12'06"	00°01'44"	37.075
03/01/2029 00:00:00	♁	13°58'42" ♂	-22°42'09"	00°00'00"	00°00'06"	0.003
03/01/2029 00:00:00	♃	03°56'15" ♂	11°59'19"	-00°53'34"	-00°00'36"	17.242
03/01/2029 00:00:00	♁	03°34'50" ♂	06°03'57"	05°03'37"	00°06'43"	0.003
03/01/2029 00:00:00	T♁	13°58'42" ♂	-22°42'09"	00°00'00"	00°00'06"	0.003
03/01/2029 00:00:00	T♁	12°39'20" ♃	-02°37'54"	04°31'06"	00°19'09"	0.003
03/01/2029 00:00:00	X	25°19'40" ♂	00°29'35"	-09°58'38"	-00°00'06"	95.040
03/01/2029 00:00:00	Y	02°53'06" ♃	09°02'19"	-11°54'22"	-00°00'28"	81.534
04/01/2029 00:00:00	♁	13°54'32" ♂	-22°42'35"	-00°00'00"	01°01'08"	0.983
04/01/2029 00:00:00	♃	26°45'35" ♂	09°12'34"	-03°35'43"	14°15'12"	0.002
04/01/2029 00:00:00	♀	02°39'06" ♁	-19°55'22"	-00°22'04"	00°33'54"	0.889
04/01/2029 00:00:00	♀	24°50'28" ♂	-22°50'35"	00°29'33"	01°15'11"	1.579

Ephemerides year 2029

04/01/2029 00:00:00	♂	05°24'55" ♈	00°09'31"	02°30'56"	00°21'47"	1.206
04/01/2029 00:00:00	♃	25°17'46" ♈	-08°35'55"	01°16'24"	00°06'31"	5.562
04/01/2029 00:00:00	♅	04°25'07" ♉	10°38'33"	-02°29'36"	-00°00'10"	8.813
04/01/2029 00:00:00	♁	10°59'12" ♉	22°03'56"	-00°01'20"	-00°02'00"	18.455
04/01/2029 00:00:00	♆	06°11'13" ♊	01°06'59"	-01°27'32"	00°00'37"	29.977
04/01/2029 00:00:00	♁	07°40'30" ♋	-23°22'16"	-05°12'07"	00°01'44"	37.083
04/01/2029 00:00:00	♄	13°58'46" ♋	-22°42'08"	00°00'00"	00°00'00"	0.003
04/01/2029 00:00:00	♅	03°55'41" ♉	11°59'06"	-00°53'36"	-00°00'32"	17.258
04/01/2029 00:00:00	♁	03°41'33" ♊	06°06'46"	05°03'47"	00°06'43"	0.003
04/01/2029 00:00:00	♄♁	13°58'46" ♋	-22°42'08"	00°00'00"	00°00'00"	0.003
04/01/2029 00:00:00	♁♁	13°04'36" ♋	-02°27'12"	04°32'18"	00°27'56"	0.003
04/01/2029 00:00:00	X	25°19'34" ♊	00°29'41"	-09°58'29"	-00°00'05"	95.056
04/01/2029 00:00:00	Y	02°52'38" ♉	09°02'20"	-11°54'16"	-00°00'27"	81.545
05/01/2029 00:00:00	♁	14°55'40" ♋	-22°36'01"	-00°00'00"	01°01'08"	0.983
05/01/2029 00:00:00	♃	11°02'27" ♋	03°18'50"	-04°26'22"	14°17'53"	0.002
05/01/2029 00:00:00	♁	03°08'28" ♋	-19°33'35"	-00°06'37"	00°24'41"	0.863
05/01/2029 00:00:00	♀	26°05'39" ♉	-22°55'40"	00°27'01"	01°15'11"	1.582
05/01/2029 00:00:00	♂	05°46'32" ♈	00°01'55"	02°31'58"	00°21'27"	1.196
05/01/2029 00:00:00	♃	25°24'13" ♈	-08°38'04"	01°16'37"	00°06'22"	5.546

Ephemerides year 2029

05/01/2029 00:00:00	♃	04°25'00"	♅	10°38'47"	-02°29'18"	-00°00'03"	8.829
05/01/2029 00:00:00	♃	10°57'13"	♅	22°03'40"	-00°01'19"	-00°01'58"	18.465
05/01/2029 00:00:00	♃	06°11'51"	♅	01°07'17"	-01°27'30"	00°00'39"	29.995
05/01/2029 00:00:00	♃	07°42'15"	♅	-23°21'49"	-05°12'08"	00°01'45"	37.090
05/01/2029 00:00:00	♃	13°58'43"	♅	-22°42'09"	00°00'00"	-00°00'05"	0.003
05/01/2029 00:00:00	♃	03°55'10"	♅	11°58'54"	-00°53'38"	-00°00'29"	17.273
05/01/2029 00:00:00	♃	03°48'17"	♅	06°09'35"	05°03'56"	00°06'43"	0.003
05/01/2029 00:00:00	♃	13°58'43"	♅	-22°42'09"	00°00'00"	-00°00'05"	0.003
05/01/2029 00:00:00	♃	13°30'49"	♅	-02°16'06"	04°33'32"	00°24'04"	0.003
05/01/2029 00:00:00	X	25°19'29"	♅	00°29'47"	-09°58'21"	-00°00'05"	95.073
05/01/2029 00:00:00	Y	02°52'10"	♅	09°02'21"	-11°54'10"	-00°00'27"	81.555
06/01/2029 00:00:00	♃	15°56'48"	♅	-22°29'01"	-00°00'00"	01°01'08"	0.983
06/01/2029 00:00:00	♃	25°20'09"	♅	-02°44'44"	-05°00'34"	14°16'58"	0.002
06/01/2029 00:00:00	♃	03°28'11"	♅	-19°12'59"	00°09'52"	00°14'35"	0.837
06/01/2029 00:00:00	♃	27°20'51"	♅	-23°00'04"	00°24'29"	01°15'12"	1.585
06/01/2029 00:00:00	♃	06°07'49"	♅	-00°05'31"	02°33'00"	00°21'06"	1.187
06/01/2029 00:00:00	♃	25°30'31"	♅	-08°40'09"	01°16'49"	00°06'13"	5.530
06/01/2029 00:00:00	♃	04°25'00"	♅	10°39'04"	-02°29'00"	00°00'03"	8.844
06/01/2029 00:00:00	♃	10°55'15"	♅	22°03'24"	-00°01'18"	-00°01'56"	18.474

Ephemerides year 2029

06/01/2029 00:00:00	♁	06°12'32" ♀	01°07'36"	-01°27'27"	00°00'41"	30.012
06/01/2029 00:00:00	♁	07°44'01" ♀	-23°21'22"	-05°12'09"	00°01'46"	37.098
06/01/2029 00:00:00	♁	13°58'35" ♀	-22°42'09"	00°00'00"	-00°00'08"	0.003
06/01/2029 00:00:00	♁	03°54'42" ♀	11°58'43"	-00°53'39"	-00°00'25"	17.289
06/01/2029 00:00:00	♁	03°55'00" ♀	06°12'24"	05°04'05"	00°06'43"	0.003
06/01/2029 00:00:00	♁	13°58'35" ♀	-22°42'09"	00°00'00"	-00°00'08"	0.003
06/01/2029 00:00:00	♁	13°56'57" ♀	-02°05'02"	04°34'45"	00°32'58"	0.003
06/01/2029 00:00:00	X	25°19'24" ♀	00°29'53"	-09°58'12"	-00°00'04"	95.090
06/01/2029 00:00:00	Y	02°51'43" ♀	09°02'23"	-11°54'04"	-00°00'26"	81.566
07/01/2029 00:00:00	♁	16°57'57" ♀	-22°21'34"	-00°00'00"	01°01'08"	0.983
07/01/2029 00:00:00	♁	09°35'23" ♀	-08°38'29"	-05°16'11"	14°13'04"	0.002
07/01/2029 00:00:00	♁	03°37'25" ♀	-18°53'54"	00°27'16"	00°03'44"	0.812
07/01/2029 00:00:00	♁	28°36'03" ♀	-23°03'46"	00°21'56"	01°15'12"	1.589
07/01/2029 00:00:00	♁	06°28'45" ♀	-00°12'49"	02°34'03"	00°20'45"	1.177
07/01/2029 00:00:00	♁	25°36'40" ♀	-08°42'11"	01°17'02"	00°06'04"	5.514
07/01/2029 00:00:00	♁	04°25'06" ♀	10°39'23"	-02°28'42"	00°00'09"	8.860
07/01/2029 00:00:00	♁	10°53'19" ♀	22°03'08"	-00°01'18"	-00°01'54"	18.484
07/01/2029 00:00:00	♁	06°13'15" ♀	01°07'55"	-01°27'24"	00°00'43"	30.029
07/01/2029 00:00:00	♁	07°45'47" ♀	-23°20'55"	-05°12'10"	00°01'46"	37.105



Ephemerides year 2029

07/01/2029 00:00:00	♏	13°58'28"	♌	-22°42'10"	00°00'00"	-00°00'05"	0.003
07/01/2029 00:00:00	♋	03°54'18"	♎	11°58'33"	-00°53'41"	-00°00'22"	17.304
07/01/2029 00:00:00	♌	04°01'43"	♏	06°15'13"	05°04'15"	00°06'43"	0.003
07/01/2029 00:00:00	T♏	13°58'28"	♌	-22°42'10"	00°00'00"	-00°00'05"	0.003
07/01/2029 00:00:00	T♌	14°50'47"	♋	-01°42'12"	04°37'11"	01°22'57"	0.003
07/01/2029 00:00:00	X	25°19'20"	♏	00°29'59"	-09°58'04"	-00°00'03"	95.106
07/01/2029 00:00:00	Y	02°51'17"	♏	09°02'24"	-11°53'57"	-00°00'26"	81.577
08/01/2029 00:00:00	♏	17°59'06"	♌	-22°13'40"	-00°00'00"	01°01'08"	0.983
08/01/2029 00:00:00	♎	23°45'31"	♏	-14°03'22"	-05°12'31"	14°06'50"	0.002
08/01/2029 00:00:00	♏	03°35'27"	♏	-18°36'41"	00°45'26"	-00°07'43"	0.788
08/01/2029 00:00:00	♏	29°51'16"	♏	-23°06'46"	00°19'22"	01°15'13"	1.592
08/01/2029 00:00:00	♏	06°49'20"	♏	-00°19'58"	02°35'07"	00°20'23"	1.167
08/01/2029 00:00:00	♏	25°42'40"	♏	-08°44'10"	01°17'15"	00°05'55"	5.498
08/01/2029 00:00:00	♏	04°25'20"	♏	10°39'44"	-02°28'25"	00°00'16"	8.876
08/01/2029 00:00:00	♏	10°51'26"	♏	22°02'53"	-00°01'17"	-00°01'52"	18.494
08/01/2029 00:00:00	♏	06°13'59"	♏	01°08'15"	-01°27'22"	00°00'45"	30.046
08/01/2029 00:00:00	♏	07°47'34"	♏	-23°20'29"	-05°12'12"	00°01'47"	37.111
08/01/2029 00:00:00	♏	13°58'27"	♌	-22°42'10"	00°00'00"	00°00'05"	0.003
08/01/2029 00:00:00	♋	03°53'57"	♎	11°58'24"	-00°53'43"	-00°00'18"	17.320

Ephemerides year 2029

08/01/2029 00:00:00	☾	04°08'26" ♀	06°18'01"	05°04'24"	00°06'43"	0.003
08/01/2029 00:00:00	♄	13°58'27" ♀	-22°42'10"	00°00'00"	00°00'05"	0.003
08/01/2029 00:00:00	♃	16°57'51" ♀	-00°48'16"	04°42'41"	02°56'22"	0.003
08/01/2029 00:00:00	X	25°19'16" ♀	00°30'06"	-09°57'56"	-00°00'03"	95.123
08/01/2029 00:00:00	Y	02°50'51" ♀	09°02'26"	-11°53'51"	-00°00'25"	81.588
09/01/2029 00:00:00	☉	19°00'15" ♀	-22°05'20"	-00°00'00"	01°01'09"	0.983
09/01/2029 00:00:00	☾	07°48'29" ♀	-18°40'53"	-04°50'12"	13°58'48"	0.002
09/01/2029 00:00:00	♀	03°21'51" ♀	-18°21'36"	01°04'10"	-00°19'31"	0.765
09/01/2029 00:00:00	♀	01°06'29" ♀	-23°09'03"	00°16'49"	01°15'13"	1.595
09/01/2029 00:00:00	♂	07°09'33" ♀	-00°26'58"	02°36'10"	00°20'01"	1.157
09/01/2029 00:00:00	♃	25°48'31" ♀	-08°46'04"	01°17'28"	00°05'46"	5.482
09/01/2029 00:00:00	♃	04°25'40" ♀	10°40'07"	-02°28'07"	00°00'23"	8.892
09/01/2029 00:00:00	♃	10°49'35" ♀	22°02'38"	-00°01'17"	-00°01'50"	18.505
09/01/2029 00:00:00	♃	06°14'46" ♀	01°08'36"	-01°27'19"	00°00'47"	30.063
09/01/2029 00:00:00	♃	07°49'22" ♀	-23°20'02"	-05°12'13"	00°01'47"	37.118
09/01/2029 00:00:00	♄	13°58'40" ♀	-22°42'09"	00°00'00"	00°00'20"	0.003
09/01/2029 00:00:00	♃	03°53'40" ♀	11°58'17"	-00°53'45"	-00°00'15"	17.336
09/01/2029 00:00:00	☾	04°15'10" ♀	06°20'50"	05°04'32"	00°06'43"	0.003
09/01/2029 00:00:00	♄	13°58'40" ♀	-22°42'09"	00°00'00"	00°00'20"	0.003

Ephemerides year 2029

09/01/2029 00:00:00	T♄	20°46'08" ♈	00°48'39"	04°51'34"	04°37'19"	0.003
09/01/2029 00:00:00	X	25°19'13" ♏	00°30'13"	-09°57'47"	-00°00'02"	95.140
09/01/2029 00:00:00	Y	02°50'25" ♏	09°02'28"	-11°53'44"	-00°00'25"	81.600
10/01/2029 00:00:00	☉	20°01'24" ♏	-21°56'34"	-00°00'00"	01°01'09"	0.983
10/01/2029 00:00:00	☾	21°42'41" ♏	-22°13'39"	-04°11'03"	13°49'21"	0.003
10/01/2029 00:00:00	♀	02°56'23" ♏	-18°08'55"	01°23'11"	-00°31'21"	0.745
10/01/2029 00:00:00	♀	02°21'43" ♏	-23°10'38"	00°14'15"	01°15'13"	1.598
10/01/2029 00:00:00	♂	07°29'23" ♏	-00°33'49"	02°37'14"	00°19'39"	1.148
10/01/2029 00:00:00	♃	25°54'12" ♏	-08°47'56"	01°17'42"	00°05'36"	5.466
10/01/2029 00:00:00	♅	04°26'07" ♏	10°40'33"	-02°27'49"	00°00'30"	8.908
10/01/2029 00:00:00	♁	10°47'46" ♏	22°02'23"	-00°01'16"	-00°01'47"	18.515
10/01/2029 00:00:00	♃	06°15'35" ♏	01°08'57"	-01°27'17"	00°00'49"	30.080
10/01/2029 00:00:00	♁	07°51'10" ♏	-23°19'35"	-05°12'15"	00°01'48"	37.124
10/01/2029 00:00:00	♁	13°59'08" ♏	-22°42'06"	00°00'00"	00°00'35"	0.003
10/01/2029 00:00:00	♃	03°53'27" ♏	11°58'11"	-00°53'46"	-00°00'11"	17.352
10/01/2029 00:00:00	♄	04°21'53" ♏	06°23'38"	05°04'41"	00°06'43"	0.003
10/01/2029 00:00:00	T♁	13°59'08" ♏	-22°42'06"	00°00'00"	00°00'35"	0.003
10/01/2029 00:00:00	T♄	25°59'45" ♈	03°01'24"	05°01'39"	05°40'54"	0.003
10/01/2029 00:00:00	X	25°19'11" ♏	00°30'20"	-09°57'39"	-00°00'01"	95.157

Ephemerides year 2029

10/01/2029 00:00:00	Y	02°50'00" ♀	09°02'30"	-11°53'38"	-00°00'24"	81.612
11/01/2029 00:00:00	☉	21°02'33" ♄	-21°47'23"	-00°00'00"	01°01'09"	0.983
11/01/2029 00:00:00	☾	05°26'49" ♀	-24°27'12"	-03°17'54"	13°38'42"	0.003
11/01/2029 00:00:00	♀	02°19'16" ♁	-17°58'49"	01°42'10"	-00°42'47"	0.726
11/01/2029 00:00:00	♀	03°36'57" ♄	-23°11'29"	00°11'41"	01°15'14"	1.601
11/01/2029 00:00:00	♂	07°48'51" ♁	-00°40'29"	02°38'19"	00°19'15"	1.138
11/01/2029 00:00:00	♃	25°59'44" ♁	-08°49'43"	01°17'55"	00°05'27"	5.450
11/01/2029 00:00:00	♅	04°26'41" ♄	10°41'01"	-02°27'31"	00°00'37"	8.924
11/01/2029 00:00:00	♁	10°45'59" ♀	22°02'09"	-00°01'15"	-00°01'45"	18.526
11/01/2029 00:00:00	♃	06°16'26" ♀	01°09'20"	-01°27'14"	00°00'51"	30.097
11/01/2029 00:00:00	♁	07°52'59" ♁	-23°19'08"	-05°12'17"	00°01'49"	37.130
11/01/2029 00:00:00	♁	13°59'48" ♄	-22°42'02"	00°00'00"	00°00'43"	0.003
11/01/2029 00:00:00	♃	03°53'17" ♄	11°58'06"	-00°53'48"	-00°00'08"	17.368
11/01/2029 00:00:00	♀	04°28'37" ♀	06°26'26"	05°04'49"	00°06'43"	0.003
11/01/2029 00:00:00	T♁	13°59'48" ♄	-22°42'02"	00°00'00"	00°00'43"	0.003
11/01/2029 00:00:00	T♃	01°48'00" ♀	05°27'13"	05°09'54"	05°45'32"	0.003
11/01/2029 00:00:00	X	25°19'10" ♀	00°30'28"	-09°57'30"	-00°00'00"	95.174
11/01/2029 00:00:00	Y	02°49'36" ♀	09°02'32"	-11°53'31"	-00°00'23"	81.624
12/01/2029 00:00:00	☉	22°03'42" ♄	-21°37'46"	-00°00'00"	01°01'09"	0.984

Ephemerides year 2029

12/01/2029 00:00:00	♃	18°59'43" ♃	-25°12'39"	♁-02°14'18"	13°26'56"	0.003
12/01/2029 00:00:00	♃	01°31'05" ♃	-17°51'22"	♁02°00'43"	-00°53'22"	0.709
12/01/2029 00:00:00	♃	04°52'11" ♃	-23°11'38"	♁00°09'08"	01°15'14"	1.604
12/01/2029 00:00:00	♃	08°07'55" ♃	-00°47'00"	♁02°39'24"	00°18'52"	1.128
12/01/2029 00:00:00	♃	26°05'06" ♃	-08°51'28"	♁01°18'08"	00°05'17"	5.434
12/01/2029 00:00:00	♃	04°27'21" ♃	10°41'32"	♁-02°27'13"	00°00'43"	8.940
12/01/2029 00:00:00	♃	10°44'15" ♃	22°01'55"	♁-00°01'15"	-00°01'43"	18.537
12/01/2029 00:00:00	♃	06°17'18" ♃	01°09'43"	♁-01°27'11"	00°00'53"	30.113
12/01/2029 00:00:00	♃	07°54'48" ♃	-23°18'41"	♁-05°12'19"	00°01'49"	37.136
12/01/2029 00:00:00	♃	14°00'32" ♃	-22°41'57"	♁00°00'00"	00°00'41"	0.003
12/01/2029 00:00:00	♃	03°53'10" ♃	11°58'02"	♁-00°53'49"	-00°00'04"	17.384
12/01/2029 00:00:00	♃	04°35'20" ♃	06°29'14"	♁05°04'58"	00°06'43"	0.003
12/01/2029 00:00:00	♃	14°00'32" ♃	-22°41'57"	♁00°00'00"	00°00'41"	0.003
12/01/2029 00:00:00	♃	07°12'42" ♃	07°40'38"	♁05°14'42"	04°56'09"	0.003
12/01/2029 00:00:00	X	25°19'10" ♃	00°30'35"	♁-09°57'22"	-00°00'00"	95.191
12/01/2029 00:00:00	Y	02°49'13" ♃	09°02'35"	♁-11°53'24"	-00°00'23"	81.636
13/01/2029 00:00:00	♃	23°04'51" ♃	-21°27'43"	♁-00°00'00"	01°01'08"	0.984
13/01/2029 00:00:00	♃	02°20'21" ♃	-24°29'12"	♁-01°04'17"	13°14'10"	0.003
13/01/2029 00:00:00	♃	00°32'57" ♃	-17°46'35"	♁02°18'25"	-01°02'37"	0.695

Ephemerides year 2029

13/01/2029 00:00:00	♀	06°07'26" ♁	-23°11'05"	00°06'34"	01°15'14"	1.608
13/01/2029 00:00:00	♂	08°26'35" ♁	-00°53'20"	02°40'29"	00°18'27"	1.119
13/01/2029 00:00:00	♃	26°10'19" ♁	-08°53'08"	01°18'22"	00°05'07"	5.418
13/01/2029 00:00:00	♅	04°28'08" ♁	10°42'04"	-02°26'55"	00°00'50"	8.956
13/01/2029 00:00:00	♁	10°42'33" ♁	22°01'41"	-00°01'14"	-00°01'40"	18.549
13/01/2029 00:00:00	♃	06°18'13" ♁	01°10'07"	-01°27'09"	00°00'55"	30.130
13/01/2029 00:00:00	♁	07°56'38" ♁	-23°18'14"	-05°12'21"	00°01'49"	37.141
13/01/2029 00:00:00	♁	14°01'06" ♁	-22°41'53"	00°00'00"	00°00'25"	0.003
13/01/2029 00:00:00	♁	03°53'08" ♁	11°58'00"	-00°53'51"	-00°00'00"	17.400
13/01/2029 00:00:00	♁	04°42'04" ♁	06°32'02"	05°05'06"	00°06'43"	0.003
13/01/2029 00:00:00	T♁	14°01'06" ♁	-22°41'53"	00°00'00"	00°00'25"	0.003
13/01/2029 00:00:00	T♁	11°28'11" ♁	09°23'10"	05°16'26"	03°30'27"	0.003
13/01/2029 00:00:00	X	25°19'10" ♁	00°30'43"	-09°57'13"	00°00'00"	95.208
13/01/2029 00:00:00	Y	02°48'50" ♁	09°02'38"	-11°53'17"	-00°00'22"	81.648
14/01/2029 00:00:00	♁	24°06'00" ♁	-21°17'16"	00°00'00"	01°01'08"	0.984
14/01/2029 00:00:00	♁	15°27'48" ♁	-22°24'27"	00°07'59"	13°00'37"	0.003
14/01/2029 00:00:00	♁	29°26'25" ♁	-17°44'23"	02°34'51"	-01°10'05"	0.683
14/01/2029 00:00:00	♀	07°22'40" ♁	-23°09'48"	00°04'01"	01°15'14"	1.611
14/01/2029 00:00:00	♂	08°44'51" ♁	-00°59'30"	02°41'34"	00°18'02"	1.109

Ephemerides year 2029

14/01/2029 00:00:00	♃	26°15'22" ♈	-08°54'45"	01°18'35"	00°04'57"	5.401
14/01/2029 00:00:00	♅	04°29'02" ♋	10°42'39"	-02°26'37"	00°00'57"	8.973
14/01/2029 00:00:00	♆	10°40'53" ♌	22°01'27"	-00°01'13"	-00°01'38"	18.560
14/01/2029 00:00:00	♇	06°19'10" ♍	01°10'32"	-01°27'06"	00°00'57"	30.147
14/01/2029 00:00:00	♈	07°58'28" ♉	-23°17'47"	-05°12'23"	00°01'50"	37.146
14/01/2029 00:00:00	♁	14°01'18" ♊	-22°41'52"	00°00'00"	-00°00'03"	0.003
14/01/2029 00:00:00	♂	03°53'09" ♋	11°57'59"	-00°53'53"	00°00'02"	17.416
14/01/2029 00:00:00	♆	04°48'47" ♍	06°34'50"	05°05'14"	00°06'43"	0.003
14/01/2029 00:00:00	♁♁	14°01'18" ♊	-22°41'52"	00°00'00"	-00°00'03"	0.003
14/01/2029 00:00:00	♁♂	14°08'22" ♋	10°26'04"	05°16'33"	01°49'00"	0.003
14/01/2029 00:00:00	X	25°19'10" ♍	00°30'52"	-09°57'05"	00°00'01"	95.225
14/01/2029 00:00:00	Y	02°48'28" ♌	09°02'41"	-11°53'10"	-00°00'21"	81.661
15/01/2029 00:00:00	♁	25°07'08" ♊	-21°06'24"	00°00'00"	01°01'08"	0.984
15/01/2029 00:00:00	♁	28°21'28" ♋	-19°12'15"	01°18'33"	12°46'39"	0.003
15/01/2029 00:00:00	♁	28°13'28" ♋	-17°44'37"	02°49'36"	-01°15'23"	0.674
15/01/2029 00:00:00	♁	08°37'55" ♋	-23°07'49"	00°01'28"	01°15'14"	1.613
15/01/2029 00:00:00	♁	09°02'41" ♈	-01°05'30"	02°42'40"	00°17'37"	1.100
15/01/2029 00:00:00	♃	26°20'15" ♈	-08°56'18"	01°18'49"	00°04'48"	5.385
15/01/2029 00:00:00	♅	04°30'03" ♋	10°43'16"	-02°26'19"	00°01'04"	8.989

Ephemerides year 2029

15/01/2029 00:00:00	♃	10°39'16" ♀	22°01'14"	-00°01'13"	-00°01'35"	18.572
15/01/2029 00:00:00	♃	06°20'09" ♀	01°10'57"	-01°27'04"	00°00'59"	30.163
15/01/2029 00:00:00	♃	08°00'19" ♀	-23°17'20"	-05°12'26"	00°01'50"	37.151
15/01/2029 00:00:00	♃	14°00'56" ♀	-22°41'55"	00°00'00"	-00°00'41"	0.003
15/01/2029 00:00:00	♃	03°53'13" ♀	11°57'59"	-00°53'54"	00°00'06"	17.432
15/01/2029 00:00:00	♃	04°55'30" ♀	06°37'37"	05°05'22"	00°06'43"	0.003
15/01/2029 00:00:00	♃	14°00'56" ♀	-22°41'55"	00°00'00"	-00°00'41"	0.003
15/01/2029 00:00:00	♃	15°07'58" ♀	10°49'01"	05°16'15"	00°12'48"	0.003
15/01/2029 00:00:00	X	25°19'12" ♀	00°31'00"	-09°56'56"	00°00'01"	95.242
15/01/2029 00:00:00	Y	02°48'06" ♀	09°02'44"	-11°53'02"	-00°00'21"	81.673
16/01/2029 00:00:00	♃	26°08'16" ♀	-20°55'08"	00°00'00"	01°01'07"	0.984
16/01/2029 00:00:00	♃	11°01'10" ♀	-15°09'14"	02°23'54"	12°32'48"	0.003
16/01/2029 00:00:00	♃	26°56'25" ♀	-17°47'02"	03°02'19"	-01°18'18"	0.669
16/01/2029 00:00:00	♃	09°53'10" ♀	-23°05'07"	-00°01'03"	01°15'14"	1.616
16/01/2029 00:00:00	♃	09°20'05" ♀	-01°11'19"	02°43'46"	00°17'11"	1.090
16/01/2029 00:00:00	♃	26°24'58" ♀	-08°57'47"	01°19'03"	00°04'37"	5.369
16/01/2029 00:00:00	♃	04°31'10" ♀	10°43'56"	-02°26'01"	00°01'10"	9.006
16/01/2029 00:00:00	♃	10°37'41" ♀	22°01'01"	-00°01'12"	-00°01'33"	18.584
16/01/2029 00:00:00	♃	06°21'09" ♀	01°11'23"	-01°27'01"	00°01'01"	30.180



Ephemerides year 2029

16/01/2029 00:00:00	♁	08°02'09" ♁	-23°16'53"	-05°12'28"	00°01'50"	37.155
16/01/2029 00:00:00	♁	13°59'55" ♁	-22°42'01"	00°00'00"	-00°01'21"	0.003
16/01/2029 00:00:00	♁	03°53'21" ♁	11°58'00"	-00°53'56"	00°00'09"	17.448
16/01/2029 00:00:00	♁	05°02'14" ♁	06°40'24"	05°05'30"	00°06'43"	0.003
16/01/2029 00:00:00	♁	13°59'55" ♁	-22°42'01"	00°00'00"	-00°01'21"	0.003
16/01/2029 00:00:00	♁	14°42'20" ♁	10°38'51"	05°16'02"	-00°58'36"	0.003
16/01/2029 00:00:00	X	25°19'14" ♁	00°31'09"	-09°56'47"	00°00'02"	95.259
16/01/2029 00:00:00	Y	02°47'45" ♁	09°02'47"	-11°52'55"	-00°00'20"	81.686
17/01/2029 00:00:00	♁	27°09'24" ♁	-20°43'28"	00°00'00"	01°01'06"	0.984
17/01/2029 00:00:00	♁	23°27'21" ♁	-10°31'49"	03°21'10"	12°19'45"	0.003
17/01/2029 00:00:00	♁	25°37'42" ♁	-17°51'21"	03°12'42"	-01°18'43"	0.666
17/01/2029 00:00:00	♁	11°08'24" ♁	-23°01'42"	-00°03'35"	01°15'14"	1.619
17/01/2029 00:00:00	♁	09°37'04" ♁	-01°16'57"	02°44'53"	00°16'44"	1.081
17/01/2029 00:00:00	♁	26°29'31" ♁	-08°59'13"	01°19'16"	00°04'27"	5.353
17/01/2029 00:00:00	♁	04°32'24" ♁	10°44'37"	-02°25'43"	00°01'17"	9.022
17/01/2029 00:00:00	♁	10°36'09" ♁	22°00'49"	-00°01'11"	-00°01'30"	18.596
17/01/2029 00:00:00	♁	06°22'12" ♁	01°11'50"	-01°26'59"	00°01'03"	30.196
17/01/2029 00:00:00	♁	08°04'00" ♁	-23°16'26"	-05°12'31"	00°01'51"	37.159
17/01/2029 00:00:00	♁	13°58'15" ♁	-22°42'11"	00°00'00"	-00°01'56"	0.003

Ephemerides year 2029

17/01/2029 00:00:00	♄	03°53'32"	♈	11°58'03"	-00°53'57"	00°00'13"	17.464
17/01/2029 00:00:00	♁	05°08'57"	♏	06°43'12"	05°05'37"	00°06'43"	0.003
17/01/2029 00:00:00	♁♁	13°58'15"	♏	-22°42'11"	00°00'00"	-00°01'56"	0.003
17/01/2029 00:00:00	♁♁	13°23'03"	♏	10°07'40"	05°15'49"	-01°33'36"	0.003
17/01/2029 00:00:00	X	25°19'17"	♏	00°31'18"	-09°56'39"	00°00'02"	95.276
17/01/2029 00:00:00	Y	02°47'24"	♁♁	09°02'51"	-11°52'47"	-00°00'20"	81.699
18/01/2029 00:00:00	♁	28°10'30"	♏	-20°31'25"	00°00'00"	01°01'06"	0.984
18/01/2029 00:00:00	♁	05°41'14"	♏	-05°34'30"	04°08'09"	12°08'19"	0.003
18/01/2029 00:00:00	♁	24°19'47"	♏	-17°57'18"	03°20'36"	-01°16'44"	0.666
18/01/2029 00:00:00	♁	12°23'39"	♏	-22°57'35"	-00°06'06"	01°15'14"	1.622
18/01/2029 00:00:00	♁	09°53'35"	♏	-01°22'24"	02°45'59"	00°16'17"	1.071
18/01/2029 00:00:00	♁	26°33'54"	♏	-09°00'34"	01°19'30"	00°04'17"	5.337
18/01/2029 00:00:00	♁	04°33'45"	♏	10°45'21"	-02°25'26"	00°01'23"	9.038
18/01/2029 00:00:00	♁	10°34'40"	♁♁	22°00'37"	-00°01'11"	-00°01'28"	18.609
18/01/2029 00:00:00	♁	06°23'16"	♏	01°12'18"	-01°26'57"	00°01'05"	30.212
18/01/2029 00:00:00	♁	08°05'52"	♏	-23°15'59"	-05°12'34"	00°01'51"	37.163
18/01/2029 00:00:00	♁	13°56'06"	♏	-22°42'25"	00°00'00"	-00°02'19"	0.003
18/01/2029 00:00:00	♁	03°53'47"	♏	11°58'06"	-00°53'59"	00°00'16"	17.481
18/01/2029 00:00:00	♁	05°15'40"	♏	06°45'59"	05°05'45"	00°06'43"	0.003

Ephemerides year 2029

18/01/2029 00:00:00	T♄	13°56'06" ♏	-22°42'25"	00°00'00"	-00°02'19"	0.003
18/01/2029 00:00:00	T♄	11°46'34" ♏	09°29'28"	05°15'25"	-01°34'37"	0.003
18/01/2029 00:00:00	X	25°19'20" ♏	00°31'27"	-09°56'30"	00°00'03"	95.292
18/01/2029 00:00:00	Y	02°47'04" ♏	09°02'55"	-11°52'40"	-00°00'19"	81.713
19/01/2029 00:00:00	☉	29°11'36" ♏	-20°18'58"	00°00'00"	01°01'05"	0.984
19/01/2029 00:00:00	☾	17°44'49" ♏	-00°29'29"	04°43'22"	11°59'18"	0.003
19/01/2029 00:00:00	☿	23°04'57" ♏	-18°04'35"	03°25'58"	-01°12'35"	0.669
19/01/2029 00:00:00	♀	13°38'53" ♏	-22°52'45"	-00°08'36"	01°15'14"	1.625
19/01/2029 00:00:00	♂	10°09'39" ♏	-01°27'40"	02°47'06"	00°15'50"	1.062
19/01/2029 00:00:00	♃	26°38'06" ♏	-09°01'52"	01°19'44"	00°04'07"	5.320
19/01/2029 00:00:00	♅	04°35'12" ♏	10°46'07"	-02°25'08"	00°01'30"	9.055
19/01/2029 00:00:00	♁	10°33'13" ♏	22°00'25"	-00°01'10"	-00°01'25"	18.621
19/01/2029 00:00:00	♆	06°24'22" ♏	01°12'46"	-01°26'54"	00°01'07"	30.228
19/01/2029 00:00:00	♇	08°07'43" ♏	-23°15'32"	-05°12'37"	00°01'51"	37.167
19/01/2029 00:00:00	♁	13°53'42" ♏	-22°42'40"	00°00'00"	-00°02'24"	0.003
19/01/2029 00:00:00	♃	03°54'06" ♏	11°58'11"	-00°54'00"	00°00'20"	17.497
19/01/2029 00:00:00	♄	05°22'24" ♏	06°48'46"	05°05'52"	00°06'43"	0.003
19/01/2029 00:00:00	T♄	13°53'42" ♏	-22°42'40"	00°00'00"	-00°02'24"	0.003
19/01/2029 00:00:00	T♄	10°20'25" ♏	08°55'03"	05°14'54"	-01°15'51"	0.003

Ephemerides year 2029

19/01/2029 00:00:00	X	25°19'24" ♃	00°31'36"	-09°56'22"	00°00'04"	95.309
19/01/2029 00:00:00	Y	02°46'45" ♃	09°02'59"	-11°52'32"	-00°00'18"	81.726
20/01/2029 00:00:00	☉	00°12'41" ♃	-20°06'09"	00°00'00"	01°01'04"	0.984
20/01/2029 00:00:00	☾	29°40'55" ♃	04°33'00"	05°05'52"	11°53'29"	0.003
20/01/2029 00:00:00	♀	21°55'12" ♃	-18°12'56"	03°28'49"	-01°06'38"	0.674
20/01/2029 00:00:00	♀	14°54'07" ♃	-22°47'13"	-00°11'06"	01°15'14"	1.628
20/01/2029 00:00:00	♂	10°25'16" ♃	-01°32'44"	02°48'13"	00°15'22"	1.052
20/01/2029 00:00:00	♃	26°42'08" ♃	-09°03'06"	01°19'58"	00°03'56"	5.304
20/01/2029 00:00:00	♃	04°36'46" ♃	10°46'55"	-02°24'50"	00°01'37"	9.072
20/01/2029 00:00:00	♃	10°31'48" ♃	22°00'14"	-00°01'10"	-00°01'22"	18.634
20/01/2029 00:00:00	♃	06°25'30" ♃	01°13'15"	-01°26'52"	00°01'08"	30.244
20/01/2029 00:00:00	♃	08°09'35" ♃	-23°15'06"	-05°12'40"	00°01'51"	37.170
20/01/2029 00:00:00	♃	13°51'24" ♃	-22°42'54"	00°00'00"	-00°02'08"	0.003
20/01/2029 00:00:00	♃	03°54'28" ♃	11°58'17"	-00°54'02"	00°00'23"	17.513
20/01/2029 00:00:00	♃	05°29'07" ♃	06°51'32"	05°05'59"	00°06'43"	0.003
20/01/2029 00:00:00	T♃	13°51'24" ♃	-22°42'54"	00°00'00"	-00°02'08"	0.003
20/01/2029 00:00:00	T♃	09°15'44" ♃	08°29'05"	05°14'25"	-00°54'14"	0.003
20/01/2029 00:00:00	X	25°19'28" ♃	00°31'46"	-09°56'13"	00°00'04"	95.326
20/01/2029 00:00:00	Y	02°46'27" ♃	09°03'03"	-11°52'25"	-00°00'18"	81.740

Ephemerides year 2029

21/01/2029 00:00:00	☉	01°13'45" ♊	-19°52'56"	00°00'00"	01°01'03"	0.984
21/01/2029 00:00:00	☾	11°33'05" ♏	09°23'55"	05°15'09"	11°51'31"	0.003
21/01/2029 00:00:00	♁	20°52'07" ♏	-18°22'05"	03°29'17"	-00°59'17"	0.681
21/01/2029 00:00:00	♂	16°09'21" ♏	-22°41'00"	-00°13'34"	01°15'13"	1.630
21/01/2029 00:00:00	♂	10°40'24" ♎	-01°37'37"	02°49'20"	00°14'53"	1.043
21/01/2029 00:00:00	♃	26°46'00" ♎	-09°04'16"	01°20'12"	00°03'46"	5.288
21/01/2029 00:00:00	♅	04°38'27" ♏	10°47'45"	-02°24'32"	00°01'43"	9.088
21/01/2029 00:00:00	♁	10°30'27" ♏	22°00'03"	-00°01'09"	-00°01'20"	18.647
21/01/2029 00:00:00	♃	06°26'40" ♏	01°13'45"	-01°26'49"	00°01'10"	30.260
21/01/2029 00:00:00	♃	08°11'27" ♊	-23°14'39"	-05°12'44"	00°01'52"	37.173
21/01/2029 00:00:00	♁	13°49'32" ♏	-22°43'06"	00°00'00"	-00°01'33"	0.003
21/01/2029 00:00:00	♃	03°54'54" ♏	11°58'24"	-00°54'03"	00°00'27"	17.530
21/01/2029 00:00:00	♁	05°35'50" ♏	06°54'19"	05°06'06"	00°06'43"	0.003
21/01/2029 00:00:00	♁	13°49'32" ♏	-22°43'06"	00°00'00"	-00°01'33"	0.003
21/01/2029 00:00:00	♁	08°28'36" ♏	08°10'05"	05°14'02"	-00°42'25"	0.003
21/01/2029 00:00:00	X	25°19'34" ♏	00°31'55"	-09°56'05"	00°00'05"	95.343
21/01/2029 00:00:00	Y	02°46'09" ♏	09°03'08"	-11°52'17"	-00°00'17"	81.753
22/01/2029 00:00:00	☉	02°14'48" ♊	-19°39'22"	00°00'00"	01°01'02"	0.984
22/01/2029 00:00:00	☾	23°25'26" ♏	13°54'26"	05°10'59"	11°53'57"	0.003

Ephemerides year 2029

22/01/2029 00:00:00	♀	19°56'56" ♏	-18°31'49"	03°27'35"	-00°50'57"	0.691
22/01/2029 00:00:00	♀	17°24'35" ♏	-22°34'04"	-00°16'01"	01°15'13"	1.633
22/01/2029 00:00:00	♂	10°55'03" ♋	-01°42'18"	02°50'28"	00°14'24"	1.033
22/01/2029 00:00:00	♃	26°49'41" ♋	-09°05'23"	01°20'26"	00°03'36"	5.272
22/01/2029 00:00:00	♅	04°40'14" ♏	10°48'37"	-02°24'15"	00°01'50"	9.105
22/01/2029 00:00:00	♁	10°29'08" ♏	21°59'52"	-00°01'08"	-00°01'17"	18.660
22/01/2029 00:00:00	♃	06°27'51" ♏	01°14'16"	-01°26'47"	00°01'12"	30.276
22/01/2029 00:00:00	♁	08°13'19" ♁	-23°14'12"	-05°12'47"	00°01'52"	37.176
22/01/2029 00:00:00	♁	13°48'22" ♏	-22°43'13"	00°00'00"	-00°00'43"	0.003
22/01/2029 00:00:00	♃	03°55'23" ♏	11°58'33"	-00°54'05"	00°00'31"	17.546
22/01/2029 00:00:00	♃	05°42'34" ♏	06°57'05"	05°06'13"	00°06'43"	0.003
22/01/2029 00:00:00	T♁	13°48'22" ♏	-22°43'13"	00°00'00"	-00°00'43"	0.003
22/01/2029 00:00:00	T♃	07°45'18" ♏	07°52'36"	05°13'39"	-00°47'14"	0.003
22/01/2029 00:00:00	X	25°19'40" ♏	00°32'05"	-09°55'57"	00°00'06"	95.360
22/01/2029 00:00:00	Y	02°45'51" ♏	09°03'12"	-11°52'09"	-00°00'16"	81.767
23/01/2029 00:00:00	♁	03°15'51" ♁	-19°25'26"	00°00'00"	01°01'01"	0.984
23/01/2029 00:00:00	♃	05°22'34" ♏	17°55'01"	04°53'25"	12°01'05"	0.003
23/01/2029 00:00:00	♀	19°10'24" ♏	-18°41'57"	03°23'57"	-00°42'02"	0.702
23/01/2029 00:00:00	♀	18°39'49" ♏	-22°26'27"	-00°18'27"	01°15'13"	1.636

Ephemerides year 2029

23/01/2029 00:00:00	♂	11°09'13" ♁	-01°46'48"	02°51'35"	00°13'54"	1.024
23/01/2029 00:00:00	♃	26°53'12" ♁	-09°06'25"	01°20'40"	00°03'25"	5.256
23/01/2029 00:00:00	♅	04°42'08" ♀	10°49'32"	-02°23'57"	00°01'56"	9.121
23/01/2029 00:00:00	♁	10°27'52" ♃	21°59'42"	-00°01'08"	-00°01'14"	18.674
23/01/2029 00:00:00	♆	06°29'05" ♃	01°14'47"	-01°26'45"	00°01'14"	30.291
23/01/2029 00:00:00	♁	08°15'12" ♁	-23°13'46"	-05°12'51"	00°01'52"	37.178
23/01/2029 00:00:00	♄	13°48'06" ♃	-22°43'15"	00°00'00"	00°00'10"	0.003
23/01/2029 00:00:00	♆	03°55'56" ♀	11°58'42"	-00°54'06"	00°00'34"	17.562
23/01/2029 00:00:00	♁	05°49'17" ♃	06°59'52"	05°06'20"	00°06'43"	0.003
23/01/2029 00:00:00	♄	13°48'06" ♃	-22°43'15"	00°00'00"	00°00'10"	0.003
23/01/2029 00:00:00	♁	06°47'54" ♃	07°29'18"	05°13'04"	-01°10'33"	0.003
23/01/2029 00:00:00	X	25°19'46" ♃	00°32'16"	-09°55'48"	00°00'06"	95.377
23/01/2029 00:00:00	Y	02°45'35" ♃	09°03'17"	-11°52'01"	-00°00'16"	81.781
24/01/2029 00:00:00	♁	04°16'52" ♁	-19°11'08"	00°00'00"	01°01'00"	0.984
24/01/2029 00:00:00	♃	17°29'15" ♀	21°14'42"	04°22'40"	12°13'02"	0.003
24/01/2029 00:00:00	♆	18°32'57" ♃	-18°52'17"	03°18'38"	-00°32'51"	0.715
24/01/2029 00:00:00	♀	19°55'02" ♃	-22°18'09"	-00°20'52"	01°15'13"	1.638
24/01/2029 00:00:00	♂	11°22'53" ♁	-01°51'05"	02°52'43"	00°13'24"	1.015
24/01/2029 00:00:00	♃	26°56'32" ♁	-09°07'24"	01°20'55"	00°03'14"	5.240

Ephemerides year 2029

24/01/2029 00:00:00	♃	04°44'08" ♉	10°50'28"	-02°23'39"	00°02'03"	9.138
24/01/2029 00:00:00	♃	10°26'38" ♉	21°59'32"	-00°01'07"	-00°01'11"	18.687
24/01/2029 00:00:00	♃	06°30'20" ♉	01°15'19"	-01°26'42"	00°01'16"	30.307
24/01/2029 00:00:00	♃	08°17'04" ♉	-23°13'19"	-05°12'54"	00°01'52"	37.181
24/01/2029 00:00:00	♃	13°48'42" ♉	-22°43'11"	00°00'00"	00°01'00"	0.003
24/01/2029 00:00:00	♃	03°56'32" ♉	11°58'53"	-00°54'08"	00°00'38"	17.579
24/01/2029 00:00:00	♃	05°56'00" ♉	07°02'38"	05°06'26"	00°06'43"	0.003
24/01/2029 00:00:00	♃	13°48'42" ♉	-22°43'11"	00°00'00"	00°01'00"	0.003
24/01/2029 00:00:00	♃	05°18'53" ♉	06°52'56"	05°11'56"	-01°49'33"	0.003
24/01/2029 00:00:00	X	25°19'54" ♉	00°32'26"	-09°55'40"	00°00'07"	95.394
24/01/2029 00:00:00	Y	02°45'19" ♉	09°03'22"	-11°51'53"	-00°00'15"	81.796
25/01/2029 00:00:00	♃	05°17'53" ♉	-18°56'29"	00°00'00"	01°00'59"	0.984
25/01/2029 00:00:00	♃	29°50'11" ♉	23°40'56" ♀	03°39'19"	12°29'33"	0.003
25/01/2029 00:00:00	♃	18°04'40" ♉	-19°02'41"	03°11'54"	-00°23'43"	0.729
25/01/2029 00:00:00	♃	21°10'15" ♉	-22°09'11"	-00°23'16"	01°15'13"	1.641
25/01/2029 00:00:00	♃	11°36'02" ♉	-01°55'10"	02°53'50"	00°12'53"	1.006
25/01/2029 00:00:00	♃	26°59'42" ♉	-09°08'19"	01°21'09"	00°03'04"	5.224
25/01/2029 00:00:00	♃	04°46'14" ♉	10°51'27"	-02°23'22"	00°02'09"	9.154
25/01/2029 00:00:00	♃	10°25'28" ♉	21°59'22"	-00°01'06"	-00°01'08"	18.701



Ephemerides year 2029

25/01/2029 00:00:00	♁	06°31'37" ♀	01°15'51"	-01°26'40"	00°01'17"	30.322
25/01/2029 00:00:00	♁	08°18'57" ♀	-23°12'53"	-05°12'58"	00°01'52"	37.182
25/01/2029 00:00:00	♁	13°50'00" ♀	-22°43'03"	00°00'00"	00°01'33"	0.003
25/01/2029 00:00:00	♁	03°57'12" ♀	11°59'05"	-00°54'09"	00°00'41"	17.595
25/01/2029 00:00:00	♁	06°02'44" ♀	07°05'24"	05°06'33"	00°06'43"	0.003
25/01/2029 00:00:00	♁	13°50'00" ♀	-22°43'03"	00°00'00"	00°01'33"	0.003
25/01/2029 00:00:00	♁	03°06'17" ♀	05°58'15"	05°09'47"	-02°35'48"	0.003
25/01/2029 00:00:00	X	25°20'02" ♀	00°32'37"	-09°55'31"	00°00'08"	95.410
25/01/2029 00:00:00	Y	02°45'04" ♀	09°03'27"	-11°51'45"	-00°00'14"	81.810
26/01/2029 00:00:00	♁	06°18'52" ♀	-18°41'30"	00°00'00"	01°00'58"	0.985
26/01/2029 00:00:00	♁	12°29'42" ♀	25°00'22" ♀	02°44'20"	12°50'03"	0.003
26/01/2029 00:00:00	♁	17°45'25" ♀	-19°13'01"	03°04'00"	-00°14'49"	0.744
26/01/2029 00:00:00	♁	22°25'28" ♀	-21°59'32"	-00°25'38"	01°15'12"	1.643
26/01/2029 00:00:00	♁	11°48'41" ♀	-01°59'03"	02°54'58"	00°12'22"	0.996
26/01/2029 00:00:00	♁	27°02'41" ♀	-09°09'10"	01°21'23"	00°02'53"	5.208
26/01/2029 00:00:00	♁	04°48'27" ♀	10°52'28"	-02°23'05"	00°02'16"	9.171
26/01/2029 00:00:00	♁	10°24'21" ♀	21°59'13"	-00°01'06"	-00°01'06"	18.715
26/01/2029 00:00:00	♁	06°32'56" ♀	01°16'24"	-01°26'38"	00°01'19"	30.337
26/01/2029 00:00:00	♁	08°20'50" ♀	-23°12'27"	-05°13'02"	00°01'52"	37.184

Ephemerides year 2029

26/01/2029 00:00:00	♏	13°51'40" ♁	-22°42'52"	00°00'00"	00°01'40"	0.003
26/01/2029 00:00:00	♋	03°57'56" ♁	11°59'18"	-00°54'11"	00°00'45"	17.612
26/01/2029 00:00:00	♌	06°09'27" ♁	07°08'10"	05°06'39"	00°06'43"	0.003
26/01/2029 00:00:00	T♏	13°51'40" ♁	-22°42'52"	00°00'00"	00°01'40"	0.003
26/01/2029 00:00:00	T♌	00°09'34" ♁	04°44'39"	05°06'09"	-03°15'05"	0.003
26/01/2029 00:00:00	X	25°20'10" ♁	00°32'48"	-09°55'23"	00°00'09"	95.427
26/01/2029 00:00:00	Y	02°44'49" ♁	09°03'33"	-11°51'37"	-00°00'13"	81.824
27/01/2029 00:00:00	♁	07°19'50" ♁	-18°26'10"	00°00'00"	01°00'57"	0.985
27/01/2029 00:00:00	♂	25°31'16" ♁	25°00'59" ♁	01°39'25"	13°13'24"	0.003
27/01/2029 00:00:00	♌	17°34'54" ♁	-19°23'08"	02°55'09"	-00°06'17"	0.760
27/01/2029 00:00:00	♍	23°40'41" ♁	-21°49'13"	-00°27'58"	01°15'12"	1.646
27/01/2029 00:00:00	♎	12°00'47" ♁	-02°02'43"	02°56'06"	00°11'50"	0.987
27/01/2029 00:00:00	♏	27°05'29" ♁	-09°09'57"	01°21'37"	00°02'42"	5.192
27/01/2029 00:00:00	♐	04°50'47" ♁	10°53'30"	-02°22'47"	00°02'22"	9.188
27/01/2029 00:00:00	♑	10°23'16" ♁	21°59'05"	-00°01'05"	-00°01'03"	18.729
27/01/2029 00:00:00	♒	06°34'17" ♁	01°16'58"	-01°26'36"	00°01'21"	30.352
27/01/2029 00:00:00	♓	08°22'43" ♁	-23°12'01"	-05°13'07"	00°01'52"	37.185
27/01/2029 00:00:00	♏	13°53'11" ♁	-22°42'43"	00°00'00"	00°01'17"	0.003
27/01/2029 00:00:00	♋	03°58'42" ♁	11°59'33"	-00°54'12"	00°00'48"	17.628

Ephemerides year 2029

27/01/2029 00:00:00	☾	06°16'11" ♀	07°10'55"	05°06'45"	00°06'43"	0.003
27/01/2029 00:00:00	♄	13°53'11" ♀	-22°42'43"	00°00'00"	00°01'17"	0.003
27/01/2029 00:00:00	♄	26°43'43" ♀	03°18'03"	05°00'50"	-03°31'49"	0.003
27/01/2029 00:00:00	X	25°20'20" ♀	00°32'59"	-09°55'14"	00°00'09"	95.444
27/01/2029 00:00:00	Y	02°44'36" ♀	09°03'39"	-11°51'28"	-00°00'13"	81.839
28/01/2029 00:00:00	☉	08°20'48" ♀	-18°10'30"	00°00'00"	01°00'56"	0.985
28/01/2029 00:00:00	☾	08°56'58" ♀	23°35'11" ♀	00°27'12"	13°38'03"	0.003
28/01/2029 00:00:00	♀	17°32'40" ♀	-19°32'55"	02°45'34"	00°01'44"	0.777
28/01/2029 00:00:00	♀	24°55'54" ♀	-21°38'14"	-00°30'17"	01°15'12"	1.648
28/01/2029 00:00:00	♂	12°12'21" ♀	-02°06'11"	02°57'13"	00°11'17"	0.978
28/01/2029 00:00:00	♂	27°08'07" ♀	-09°10'40"	01°21'52"	00°02'32"	5.176
28/01/2029 00:00:00	♃	04°53'13" ♀	10°54'35"	-02°22'30"	00°02'28"	9.204
28/01/2029 00:00:00	♃	10°22'14" ♀	21°58'56"	-00°01'04"	-00°01'00"	18.743
28/01/2029 00:00:00	♃	06°35'39" ♀	01°17'33"	-01°26'34"	00°01'23"	30.367
28/01/2029 00:00:00	♃	08°24'36" ♀	-23°11'34"	-05°13'11"	00°01'52"	37.186
28/01/2029 00:00:00	♄	13°54'05" ♀	-22°42'37"	00°00'00"	00°00'25"	0.003
28/01/2029 00:00:00	♃	03°59'33" ♀	11°59'48"	-00°54'14"	00°00'52"	17.644
28/01/2029 00:00:00	☾	06°22'54" ♀	07°13'41"	05°06'51"	00°06'43"	0.003
28/01/2029 00:00:00	♄	13°54'05" ♀	-22°42'37"	00°00'00"	00°00'25"	0.003

Ephemerides year 2029

28/01/2029 00:00:00	T♄	23°16'05" ♈	01°50'02"	04°54'19"	-03°18'36"	0.003
28/01/2029 00:00:00	X	25°20'30" ♀	00°33'10"	-09°55'06"	00°00'10"	95.460
28/01/2029 00:00:00	Y	02°44'23" ♀	09°03'44"	-11°51'20"	-00°00'12"	81.854
29/01/2029 00:00:00	☉	09°21'44" ♋	-17°54'31"	-00°00'00"	01°00'55"	0.985
29/01/2029 00:00:00	☾	22°47'06" ♋	20°42'43"	-00°48'37"	14°01'53"	0.002
29/01/2029 00:00:00	♁	17°38'12" ♋	-19°42'17"	02°35'25"	00°09'14"	0.794
29/01/2029 00:00:00	♂	26°11'06" ♋	-21°26'37"	-00°32'34"	01°15'12"	1.651
29/01/2029 00:00:00	♂	12°23'22" ♋	-02°09'25"	02°58'21"	00°10'44"	0.969
29/01/2029 00:00:00	♃	27°10'33" ♋	-09°11'19"	01°22'06"	00°02'21"	5.160
29/01/2029 00:00:00	♅	04°55'45" ♋	10°55'42"	-02°22'13"	00°02'35"	9.221
29/01/2029 00:00:00	♁	10°21'16" ♋	21°58'48"	-00°01'04"	-00°00'57"	18.758
29/01/2029 00:00:00	♃	06°37'03" ♋	01°18'08"	-01°26'31"	00°01'24"	30.382
29/01/2029 00:00:00	♁	08°26'29" ♋	-23°11'09"	-05°13'15"	00°01'52"	37.187
29/01/2029 00:00:00	♁	13°53'54" ♋	-22°42'39"	00°00'00"	-00°00'49"	0.003
29/01/2029 00:00:00	♁	04°00'27" ♋	12°00'05"	-00°54'15"	00°00'55"	17.661
29/01/2029 00:00:00	♁	06°29'38" ♋	07°16'26"	05°06'57"	00°06'43"	0.003
29/01/2029 00:00:00	T♁	13°53'54" ♋	-22°42'39"	00°00'00"	-00°00'49"	0.003
29/01/2029 00:00:00	T♄	20°14'06" ♈	00°32'31"	04°47'39"	-02°42'54"	0.003
29/01/2029 00:00:00	X	25°20'41" ♀	00°33'22"	-09°54'58"	00°00'11"	95.477

Ephemerides year 2029

29/01/2029 00:00:00	Y	02°44'11" ♀	09°03'50"	-11°51'12"	-00°00'11"	81.869
30/01/2029 00:00:00	☉	10°22'39" ♁	-17°38'12"	-00°00'00"	01°00'54"	0.985
30/01/2029 00:00:00	☾	06°59'41" ♀	16°31'51"	-02°03'22"	14°22'32"	0.002
30/01/2029 00:00:00	♁	17°50'58" ♁	-19°51'07"	02°24'51"	00°16'12"	0.812
30/01/2029 00:00:00	♂	27°26'18" ♁	-21°14'20"	-00°34'49"	01°15'11"	1.653
30/01/2029 00:00:00	♂	12°33'50" ♁	-02°12'26"	02°59'29"	00°10'10"	0.960
30/01/2029 00:00:00	♃	27°12'49" ♁	-09°11'54"	01°22'20"	00°02'10"	5.144
30/01/2029 00:00:00	♄	04°58'23" ♂	10°56'50"	-02°21'56"	00°02'41"	9.237
30/01/2029 00:00:00	♅	10°20'20" ♀	21°58'41"	-00°01'03"	-00°00'54"	18.773
30/01/2029 00:00:00	♆	06°38'28" ♂	01°18'44"	-01°26'29"	00°01'26"	30.396
30/01/2029 00:00:00	♇	08°28'21" ♁	-23°10'43"	-05°13'20"	00°01'52"	37.187
30/01/2029 00:00:00	♈	13°52'23" ♁	-22°42'48"	00°00'00"	-00°02'12"	0.003
30/01/2029 00:00:00	♉	04°01'24" ♂	12°00'23"	-00°54'17"	00°00'58"	17.677
30/01/2029 00:00:00	♊	06°36'21" ♂	07°19'12"	05°07'02"	00°06'43"	0.003
30/01/2029 00:00:00	T♈	13°52'23" ♁	-22°42'48"	00°00'00"	-00°02'12"	0.003
30/01/2029 00:00:00	T♉	17°51'50" ♃	-00°28'10"	04°41'50"	-02°02'29"	0.003
30/01/2029 00:00:00	X	25°20'52" ♂	00°33'34"	-09°54'50"	00°00'11"	95.493
30/01/2029 00:00:00	Y	02°43'59" ♀	09°03'57"	-11°51'03"	-00°00'11"	81.884
31/01/2029 00:00:00	☉	11°23'33" ♁	-17°21'35"	-00°00'00"	01°00'53"	0.985

Ephemerides year 2029

31/01/2029 00:00:00	♃	21°30'24" ♈	11°18'20"	-03°11'39"	14°37'47"	0.002
31/01/2029 00:00:00	♆	18°10'25" ♉	-19°59'21"	02°14'00"	00°22'36"	0.829
31/01/2029 00:00:00	♀	28°41'30" ♊	-21°01'26"	-00°37'03"	01°15'11"	1.655
31/01/2029 00:00:00	♂	12°43'43" ♋	-02°15'14"	03°00'36"	00°09'35"	0.951
31/01/2029 00:00:00	♈	27°14'54" ♌	-09°12'25"	01°22'35"	00°01'59"	5.128
31/01/2029 00:00:00	♄	05°01'07" ♍	10°58'01"	-02°21'39"	00°02'47"	9.254
31/01/2029 00:00:00	♃	10°19'27" ♎	21°58'34"	-00°01'03"	-00°00'51"	18.787
31/01/2029 00:00:00	♆	06°39'55" ♏	01°19'20"	-01°26'27"	00°01'27"	30.411
31/01/2029 00:00:00	♁	08°30'14" ♐	-23°10'17"	-05°13'25"	00°01'52"	37.188
31/01/2029 00:00:00	♂	13°49'32" ♑	-22°43'06"	00°00'00"	-00°03'27"	0.003
31/01/2029 00:00:00	♅	04°02'25" ♒	12°00'42"	-00°54'18"	00°01'02"	17.693
31/01/2029 00:00:00	♁	06°43'05" ♓	07°21'57"	05°07'08"	00°06'43"	0.003
31/01/2029 00:00:00	T♁	13°49'32" ♑	-22°43'06"	00°00'00"	-00°03'27"	0.003
31/01/2029 00:00:00	T♁	16°04'48" ♒	-01°13'49"	04°37'10"	-01°34'45"	0.003
31/01/2029 00:00:00	X	25°21'04" ♓	00°33'45"	-09°54'41"	00°00'12"	95.509
31/01/2029 00:00:00	Y	02°43'48" ♎	09°04'03"	-11°50'55"	-00°00'10"	81.899
01/02/2029 00:00:00	♃	12°24'26" ♏	-17°04'40"	-00°00'00"	01°00'52"	0.985
01/02/2029 00:00:00	♃	06°12'53" ♐	05°23'00"	-04°08'08"	14°45'54"	0.002
01/02/2029 00:00:00	♆	18°36'00" ♑	-20°06'52"	02°02'57"	00°28'28"	0.847

Ephemerides year 2029

01/02/2029 00:00:00	♀	29°56'41" ♃	-20°47'54"	-00°39'14"	01°15'11"	1.658
01/02/2029 00:00:00	♂	12°53'01" ♄	-02°17'48"	03°01'44"	00°09'00"	0.943
01/02/2029 00:00:00	♃	27°16'47" ♄	-09°12'53"	01°22'49"	00°01'47"	5.113
01/02/2029 00:00:00	♃	05°03'57" ♃	10°59'13"	-02°21'22"	00°02'53"	9.270
01/02/2029 00:00:00	♃	10°18'37" ♃	21°58'28"	-00°01'02"	-00°00'48"	18.802
01/02/2029 00:00:00	♃	06°41'24" ♃	01°19'57"	-01°26'25"	00°01'29"	30.425
01/02/2029 00:00:00	♃	08°32'07" ♃	-23°09'52"	-05°13'30"	00°01'52"	37.187
01/02/2029 00:00:00	♃	13°45'36" ♃	-22°43'30"	00°00'00"	-00°04'17"	0.003
01/02/2029 00:00:00	♃	04°03'28" ♃	12°01'02"	-00°54'20"	00°01'05"	17.709
01/02/2029 00:00:00	♃	06°49'48" ♃	07°24'42"	05°07'13"	00°06'43"	0.003
01/02/2029 00:00:00	T♃	13°45'36" ♃	-22°43'30"	00°00'00"	-00°04'17"	0.003
01/02/2029 00:00:00	T♃	14°34'57" ♃	-01°52'00"	04°33'09"	-01°28'40"	0.003
01/02/2029 00:00:00	X	25°21'16" ♃	00°33'58"	-09°54'33"	00°00'12"	95.526
01/02/2029 00:00:00	Y	02°43'38" ♃	09°04'10"	-11°50'46"	-00°00'09"	81.914
02/02/2029 00:00:00	♃	13°25'18" ♃	-16°47'26"	-00°00'00"	01°00'51"	0.985
02/02/2029 00:00:00	♃	20°59'37" ♃	-00°50'57"	-04°48'20"	14°46'16"	0.002
02/02/2029 00:00:00	♃	19°07'12" ♃	-20°13'37"	01°51'50"	00°33'50"	0.865
02/02/2029 00:00:00	♀	01°11'53" ♃	-20°33'44"	-00°41'23"	01°15'11"	1.660
02/02/2029 00:00:00	♂	13°01'44" ♄	-02°20'09"	03°02'51"	00°08'24"	0.934

Ephemerides year 2029

02/02/2029 00:00:00	♃	27°18'29" ♈	-09°13'16"	01°23'04"	00°01'36"	5.097
02/02/2029 00:00:00	♅	05°06'54" ♋	11°00'28"	-02°21'05"	00°02'59"	9.287
02/02/2029 00:00:00	♁	10°17'50" ♉	21°58'21"	-00°01'01"	-00°00'45"	18.817
02/02/2029 00:00:00	♆	06°42'54" ♎	01°20'34"	-01°26'23"	00°01'31"	30.439
02/02/2029 00:00:00	♁	08°33'59" ♈	-23°09'27"	-05°13'35"	00°01'52"	37.187
02/02/2029 00:00:00	♁	13°41'10" ♈	-22°43'57"	00°00'00"	-00°04'28"	0.003
02/02/2029 00:00:00	♆	04°04'36" ♎	12°01'24"	-00°54'21"	00°01'08"	17.726
02/02/2029 00:00:00	♁	06°56'31" ♈	07°27'26"	05°07'18"	00°06'43"	0.003
02/02/2029 00:00:00	♁♁	13°41'10" ♈	-22°43'57"	00°00'00"	-00°04'28"	0.003
02/02/2029 00:00:00	♁♃	13°01'10" ♈	-02°31'39"	04°28'54"	-01°40'56"	0.003
02/02/2029 00:00:00	X	25°21'29" ♎	00°34'10"	-09°54'25"	00°00'13"	95.542
02/02/2029 00:00:00	Y	02°43'29" ♉	09°04'17"	-11°50'37"	-00°00'09"	81.929
03/02/2029 00:00:00	♁	14°26'10" ♈	-16°29'54"	-00°00'00"	01°00'50"	0.986
03/02/2029 00:00:00	♁	05°43'01" ♈	-07°00'08"	-05°09'21"	14°39'24"	0.002
03/02/2029 00:00:00	♁	19°43'32" ♈	-20°19'32"	01°40'41"	00°38'44"	0.883
03/02/2029 00:00:00	♁	02°27'04" ♈	-20°18'58"	-00°43'30"	01°15'11"	1.662
03/02/2029 00:00:00	♁	13°09'50" ♈	-02°22'15"	03°03'58"	00°07'47"	0.925
03/02/2029 00:00:00	♃	27°20'01" ♈	-09°13'35"	01°23'18"	00°01'25"	5.082
03/02/2029 00:00:00	♅	05°09'56" ♋	11°01'44"	-02°20'48"	00°03'05"	9.303



Ephemerides year 2029

03/02/2029 00:00:00	♃	10°17'06" ♀	21°58'16"	-00°01'01"	-00°00'42"	18.833
03/02/2029 00:00:00	♃	06°44'26" ♀	01°21'13"	-01°26'21"	00°01'32"	30.453
03/02/2029 00:00:00	♃	08°35'52" ♀	-23°09'01"	-05°13'40"	00°01'52"	37.186
03/02/2029 00:00:00	♃	13°36'54" ♀	-22°44'23"	00°00'00"	-00°03'56"	0.003
03/02/2029 00:00:00	♃	04°05'46" ♀	12°01'46"	-00°54'23"	00°01'12"	17.742
03/02/2029 00:00:00	♃	07°03'15" ♀	07°30'11"	05°07'23"	00°06'43"	0.003
03/02/2029 00:00:00	♃	13°36'54" ♀	-22°44'23"	00°00'00"	-00°03'56"	0.003
03/02/2029 00:00:00	♃	11°12'29" ♀	-03°17'23"	04°23'52"	-01°54'37"	0.003
03/02/2029 00:00:00	X	25°21'43" ♀	00°34'22"	-09°54'17"	00°00'13"	95.558
03/02/2029 00:00:00	Y	02°43'20" ♀	09°04'23"	-11°50'29"	-00°00'08"	81.945
04/02/2029 00:00:00	♃	15°27'00" ♀	-16°12'05"	-00°00'00"	01°00'50"	0.986
04/02/2029 00:00:00	♃	20°16'32" ♀	-12°42'18"	-05°10'09"	14°26'50"	0.002
04/02/2029 00:00:00	♃	20°24'33" ♀	-20°24'34"	01°29'34"	00°43'12"	0.901
04/02/2029 00:00:00	♃	03°42'15" ♀	-20°03'36"	-00°45'34"	01°15'11"	1.665
04/02/2029 00:00:00	♃	13°17'18" ♀	-02°24'07"	03°05'05"	00°07'09"	0.916
04/02/2029 00:00:00	♃	27°21'21" ♀	-09°13'50"	01°23'33"	00°01'14"	5.066
04/02/2029 00:00:00	♃	05°13'04" ♀	11°03'02"	-02°20'31"	00°03'11"	9.319
04/02/2029 00:00:00	♃	10°16'25" ♀	21°58'10"	-00°01'00"	-00°00'39"	18.848
04/02/2029 00:00:00	♃	06°46'00" ♀	01°21'51"	-01°26'19"	00°01'34"	30.467

Ephemerides year 2029

04/02/2029 00:00:00	♁	08°37'44" ♁	-23°08'36"	-05°13'45"	00°01'52"	37.185
04/02/2029 00:00:00	♁	13°33'28" ♁	-22°44'44"	00°00'00"	-00°02'49"	0.003
04/02/2029 00:00:00	♁	04°07'00" ♁	12°02'09"	-00°54'24"	00°01'15"	17.758
04/02/2029 00:00:00	♁	07°09'58" ♁	07°32'55"	05°07'28"	00°06'43"	0.003
04/02/2029 00:00:00	♁	13°33'28" ♁	-22°44'44"	00°00'00"	-00°02'49"	0.003
04/02/2029 00:00:00	♁	09°20'08" ♁	-04°04'26"	04°18'27"	-01°43'52"	0.003
04/02/2029 00:00:00	X	25°21'57" ♁	00°34'35"	-09°54'09"	00°00'14"	95.574
04/02/2029 00:00:00	Y	02°43'12" ♁	09°04'31"	-11°50'20"	-00°00'07"	81.960
05/02/2029 00:00:00	♁	16°27'50" ♁	-15°54'00"	-00°00'00"	01°00'49"	0.986
05/02/2029 00:00:00	♁	04°35'29" ♁	-17°37'13"	-04°51'33"	14°10'37"	0.002
05/02/2029 00:00:00	♁	21°09'50" ♁	-20°28'38"	01°18'33"	00°47'17"	0.918
05/02/2029 00:00:00	♁	04°57'26" ♁	-19°47'39"	-00°47'36"	01°15'11"	1.667
05/02/2029 00:00:00	♁	13°24'09" ♁	-02°25'44"	03°06'12"	00°06'31"	0.908
05/02/2029 00:00:00	♁	27°22'30" ♁	-09°14'01"	01°23'47"	00°01'03"	5.051
05/02/2029 00:00:00	♁	05°16'19" ♁	11°04'22"	-02°20'15"	00°03'17"	9.336
05/02/2029 00:00:00	♁	10°15'47" ♁	21°58'05"	-00°00'59"	-00°00'36"	18.863
05/02/2029 00:00:00	♁	06°47'35" ♁	01°22'31"	-01°26'17"	00°01'35"	30.480
05/02/2029 00:00:00	♁	08°39'36" ♁	-23°08'12"	-05°13'51"	00°01'51"	37.184
05/02/2029 00:00:00	♁	13°31'22" ♁	-22°44'57"	00°00'00"	-00°01'21"	0.003

Ephemerides year 2029

05/02/2029 00:00:00	♄	04°08'17" ♉	12°02'34"	-00°54'26"	00°01'19"	17.774
05/02/2029 00:00:00	♁	07°16'41" ♈	07°35'39"	05°07'33"	00°06'43"	0.003
05/02/2029 00:00:00	♁♁	13°31'22" ♉	-22°44'57"	00°00'00"	-00°01'21"	0.003
05/02/2029 00:00:00	♁♁	07°59'28" ♈	-04°38'04"	04°14'25"	-00°49'42"	0.003
05/02/2029 00:00:00	X	25°22'12" ♈	00°34'48"	-09°54'01"	00°00'15"	95.590
05/02/2029 00:00:00	Y	02°43'05" ♉	09°04'38"	-11°50'11"	-00°00'06"	81.976
06/02/2029 00:00:00	♁	17°28'39" ♉	-15°35'37"	-00°00'00"	01°00'48"	0.986
06/02/2029 00:00:00	♁	18°37'15" ♉	-21°27'26"	-04°15'46"	13°52'49"	0.002
06/02/2029 00:00:00	♁	21°59'00" ♉	-20°31'43"	01°07'39"	00°51'00"	0.936
06/02/2029 00:00:00	♁	06°12'37" ♉	-19°31'06"	-00°49'36"	01°15'10"	1.669
06/02/2029 00:00:00	♁	13°30'21" ♉	-02°27'07"	03°07'18"	00°05'52"	0.899
06/02/2029 00:00:00	♁	27°23'27" ♉	-09°14'08"	01°24'02"	00°00'51"	5.036
06/02/2029 00:00:00	♁	05°19'39" ♉	11°05'44"	-02°19'58"	00°03'23"	9.352
06/02/2029 00:00:00	♁	10°15'13" ♉	21°58'01"	-00°00'59"	-00°00'33"	18.879
06/02/2029 00:00:00	♁	06°49'11" ♈	01°23'10"	-01°26'15"	00°01'37"	30.494
06/02/2029 00:00:00	♁	08°41'28" ♉	-23°07'47"	-05°13'56"	00°01'51"	37.182
06/02/2029 00:00:00	♁	13°30'46" ♉	-22°45'00"	00°00'00"	00°00'06"	0.003
06/02/2029 00:00:00	♁	04°09'38" ♉	12°03'00"	-00°54'27"	00°01'22"	17.790
06/02/2029 00:00:00	♁	07°23'25" ♈	07°38'23"	05°07'37"	00°06'43"	0.003

Ephemerides year 2029

06/02/2029 00:00:00	T♄	13°30'46" ♄	-22°45'00"	00°00'00"	00°00'06"	0.003
06/02/2029 00:00:00	T♄	07°54'14" ♄	-04°40'12"	04°14'11"	00°44'15"	0.003
06/02/2029 00:00:00	X	25°22'28" ♄	00°35'01"	-09°53'53"	00°00'15"	95.606
06/02/2029 00:00:00	Y	02°42'58" ♄	09°04'45"	-11°50'03"	-00°00'06"	81.992
07/02/2029 00:00:00	♁	18°29'27" ♄	-15°16'59"	-00°00'00"	01°00'47"	0.986
07/02/2029 00:00:00	♁	02°21'09" ♄	-23°59'30"	-03°25'55"	13°35'05"	0.003
07/02/2029 00:00:00	♁	22°51'44" ♄	-20°33'46"	00°56'55"	00°54'23"	0.953
07/02/2029 00:00:00	♁	07°27'48" ♄	-19°13'59"	-00°51'33"	01°15'10"	1.671
07/02/2029 00:00:00	♁	13°35'54" ♄	-02°28'15"	03°08'24"	00°05'12"	0.891
07/02/2029 00:00:00	♁	27°24'13" ♄	-09°14'11"	01°24'16"	00°00'40"	5.020
07/02/2029 00:00:00	♁	05°23'05" ♄	11°07'07"	-02°19'42"	00°03'29"	9.368
07/02/2029 00:00:00	♁	10°14'41" ♄	21°57'57"	-00°00'58"	-00°00'29"	18.895
07/02/2029 00:00:00	♁	06°50'49" ♄	01°23'51"	-01°26'13"	00°01'38"	30.507
07/02/2029 00:00:00	♁	08°43'20" ♄	-23°07'22"	-05°14'02"	00°01'51"	37.180
07/02/2029 00:00:00	♁	13°31'29" ♄	-22°44'56"	00°00'00"	00°01'12"	0.003
07/02/2029 00:00:00	♁	04°11'02" ♄	12°03'26"	-00°54'29"	00°01'25"	17.806
07/02/2029 00:00:00	♁	07°30'08" ♄	07°41'07"	05°07'42"	00°06'43"	0.003
07/02/2029 00:00:00	T♄	13°31'29" ♄	-22°44'56"	00°00'00"	00°01'12"	0.003
07/02/2029 00:00:00	T♄	09°33'23" ♄	-03°58'46"	04°19'13"	02°34'21"	0.003

Ephemerides year 2029

07/02/2029 00:00:00	X	25°22'44" ♀	00°35'14"	-09°53'45"	00°00'16"	95.621
07/02/2029 00:00:00	Y	02°42'53" ♀	09°04'53"	-11°49'54"	-00°00'05"	82.007
08/02/2029 00:00:00	☉	19°30'14" ♁	-14°58'05"	-00°00'00"	01°00'46"	0.986
08/02/2029 00:00:00	☾	15°47'50" ♂	-25°05'33"	-02°25'38"	13°18'31"	0.003
08/02/2029 00:00:00	♀	23°47'42" ♂	-20°34'45"	00°46'23"	00°57'29"	0.970
08/02/2029 00:00:00	♀	08°42'59" ♁	-18°56'19"	-00°53'28"	01°15'10"	1.673
08/02/2029 00:00:00	♂	13°40'46" ♁	-02°29'08"	03°09'29"	00°04'32"	0.883
08/02/2029 00:00:00	♃	27°24'48" ♁	-09°14'10"	01°24'30"	00°00'29"	5.005
08/02/2029 00:00:00	♅	05°26'37" ♂	11°08'33"	-02°19'25"	00°03'34"	9.384
08/02/2029 00:00:00	♁	10°14'13" ♀	21°57'54"	-00°00'58"	-00°00'26"	18.910
08/02/2029 00:00:00	♃	06°52'29" ♀	01°24'32"	-01°26'12"	00°01'40"	30.520
08/02/2029 00:00:00	♁	08°45'11" ♁	-23°06'58"	-05°14'08"	00°01'51"	37.178
08/02/2029 00:00:00	♁	13°32'58" ♂	-22°44'47"	00°00'00"	00°01'39"	0.003
08/02/2029 00:00:00	♁	04°12'30" ♂	12°03'54"	-00°54'31"	00°01'28"	17.821
08/02/2029 00:00:00	♁	07°36'52" ♀	07°43'51"	05°07'46"	00°06'43"	0.003
08/02/2029 00:00:00	T♁	13°32'58" ♂	-22°44'47"	00°00'00"	00°01'39"	0.003
08/02/2029 00:00:00	T♁	12°59'06" ♁	-02°32'25"	04°28'55"	04°13'12"	0.003
08/02/2029 00:00:00	X	25°23'01" ♀	00°35'27"	-09°53'37"	00°00'17"	95.637
08/02/2029 00:00:00	Y	02°42'48" ♀	09°05'01"	-11°49'45"	-00°00'04"	82.023

Ephemerides year 2029

09/02/2029 00:00:00	☉	20°31'00" ♊	-14°38'55"	-00°00'00"	01°00'45"	0.987
09/02/2029 00:00:00	☾	28°58'45" ♈	-24°44'41"	0-01°18'45"	13°03'37"	0.003
09/02/2029 00:00:00	♀	24°46'38" ♈	-20°34'38"	00°36'02"	01°00'20"	0.987
09/02/2029 00:00:00	♀	09°58'10" ♊	-18°38'06"	-00°55'20"	01°15'10"	1.675
09/02/2029 00:00:00	♂	13°44'57" ♋	-02°29'45"	03°10'34"	00°03'50"	0.874
09/02/2029 00:00:00	♃	27°25'12" ♋	-09°14'05"	01°24'45"	00°00'17"	4.990
09/02/2029 00:00:00	♅	05°30'15" ♈	11°10'00"	-02°19'09"	00°03'40"	9.400
09/02/2029 00:00:00	♁	10°13'47" ♉	21°57'51"	-00°00'57"	-00°00'23"	18.926
09/02/2029 00:00:00	♃	06°54'10" ♈	01°25'13"	-01°26'10"	00°01'41"	30.532
09/02/2029 00:00:00	♁	08°47'02" ♊	-23°06'34"	-05°14'14"	00°01'51"	37.175
09/02/2029 00:00:00	♁	13°34'32" ♈	-22°44'38"	00°00'00"	00°01'19"	0.003
09/02/2029 00:00:00	♃	04°14'00" ♈	12°04'23"	-00°54'32"	00°01'32"	17.837
09/02/2029 00:00:00	♁	07°43'35" ♈	07°46'35"	05°07'50"	00°06'43"	0.003
09/02/2029 00:00:00	♁	13°34'32" ♈	-22°44'38"	00°00'00"	00°01'19"	0.003
09/02/2029 00:00:00	♁	17°49'05" ♈	-00°30'06"	04°40'54"	05°20'08"	0.003
09/02/2029 00:00:00	X	25°23'19" ♈	00°35'41"	-09°53'29"	00°00'17"	95.652
09/02/2029 00:00:00	Y	02°42'44" ♉	09°05'09"	-11°49'36"	-00°00'03"	82.039
10/02/2029 00:00:00	☉	21°31'45" ♊	-14°19'31"	00°00'00"	01°00'44"	0.987
10/02/2029 00:00:00	☾	11°55'40" ♈	-23°03'03"	-00°09'02"	12°50'27"	0.003

Ephemerides year 2029

10/02/2029 00:00:00	♀	25°48'18" ♃	-20°33'23"	00°25'56"	01°02'57"	1.003
10/02/2029 00:00:00	♀	11°13'20" ♋	-18°19'20"	-00°57'09"	01°15'10"	1.677
10/02/2029 00:00:00	♂	13°48'27" ♋	-02°30'07"	03°11'38"	00°03'08"	0.866
10/02/2029 00:00:00	♃	27°25'24" ♋	-09°13'56"	01°24'59"	00°00'06"	4.975
10/02/2029 00:00:00	♃	05°33'58" ♃	11°11'29"	-02°18'53"	00°03'46"	9.416
10/02/2029 00:00:00	♃	10°13'25" ♃	21°57'48"	-00°00'56"	-00°00'20"	18.942
10/02/2029 00:00:00	♃	06°55'52" ♃	01°25'55"	-01°26'08"	00°01'43"	30.545
10/02/2029 00:00:00	♃	08°48'53" ♋	-23°06'10"	-05°14'21"	00°01'50"	37.173
10/02/2029 00:00:00	♃	13°35'21" ♃	-22°44'33"	00°00'00"	00°00'11"	0.003
10/02/2029 00:00:00	♃	04°15'34" ♃	12°04'53"	-00°54'34"	00°01'35"	17.853
10/02/2029 00:00:00	♃	07°50'19" ♃	07°49'18"	05°07'54"	00°06'43"	0.003
10/02/2029 00:00:00	T♃	13°35'21" ♃	-22°44'33"	00°00'00"	00°00'11"	0.003
10/02/2029 00:00:00	T♃	23°24'44" ♃	01°51'29"	04°52'11"	05°43'23"	0.003
10/02/2029 00:00:00	X	25°23'37" ♃	00°35'55"	-09°53'21"	00°00'18"	95.667
10/02/2029 00:00:00	Y	02°42'40" ♃	09°05'17"	-11°49'27"	-00°00'02"	82.055
11/02/2029 00:00:00	♃	22°32'29" ♋	-13°59'53"	00°00'00"	01°00'43"	0.987
11/02/2029 00:00:00	♃	24°40'12" ♃	-20°12'18"	00°59'53"	12°38'49"	0.003
11/02/2029 00:00:00	♀	26°52'29" ♃	-20°30'59"	00°16'04"	01°05'21"	1.019
11/02/2029 00:00:00	♀	12°28'30" ♋	-18°00'03"	-00°58'55"	01°15'09"	1.679

Ephemerides year 2029

11/02/2029 00:00:00	♂	13°51'15" ♈	-02°30'13"	03°12'41"	00°02'26"	0.858
11/02/2029 00:00:00	♃	27°25'24" ♈	-09°13'43"	01°25'14"	-00°00'05"	4.961
11/02/2029 00:00:00	♅	05°37'48" ♄	11°12'59"	-02°18'37"	00°03'51"	9.432
11/02/2029 00:00:00	♁	10°13'07" ♀	21°57'46"	-00°00'56"	-00°00'17"	18.959
11/02/2029 00:00:00	♆	06°57'36" ♀	01°26'38"	-01°26'06"	00°01'44"	30.557
11/02/2029 00:00:00	♁	08°50'44" ♁	-23°05'46"	-05°14'27"	00°01'50"	37.170
11/02/2029 00:00:00	♁	13°34'43" ♁	-22°44'37"	00°00'00"	-00°01'32"	0.003
11/02/2029 00:00:00	♃	04°17'11" ♄	12°05'24"	-00°54'35"	00°01'38"	17.868
11/02/2029 00:00:00	♁	07°57'02" ♀	07°52'02"	05°07'58"	00°06'43"	0.003
11/02/2029 00:00:00	T♁	13°34'43" ♁	-22°44'37"	00°00'00"	-00°01'32"	0.003
11/02/2029 00:00:00	T♃	29°00'34" ♃	04°12'08"	05°00'36"	05°21'06"	0.003
11/02/2029 00:00:00	X	25°23'56" ♀	00°36'09"	-09°53'13"	00°00'19"	95.683
11/02/2029 00:00:00	Y	02°42'38" ♀	09°05'25"	-11°49'18"	-00°00'02"	82.071
12/02/2029 00:00:00	♁	23°33'12" ♁	-13°40'00"	00°00'00"	01°00'42"	0.987
12/02/2029 00:00:00	♁	07°13'43" ♁	-16°26'59"	02°04'46"	12°28'23"	0.003
12/02/2029 00:00:00	♁	27°58'58" ♁	-20°27'24"	00°06'27"	01°07'35"	1.035
12/02/2029 00:00:00	♀	13°43'39" ♁	-17°40'15"	-01°00'39"	01°15'09"	1.681
12/02/2029 00:00:00	♂	13°53'19" ♈	-02°30'04"	03°13'43"	00°01'43"	0.850
12/02/2029 00:00:00	♃	27°25'13" ♈	-09°13'26"	01°25'28"	-00°00'16"	4.946



Ephemerides year 2029

12/02/2029 00:00:00	♃	05°41'42" ♂	11°14'31"	-02°18'21"	00°03'57"	9.448
12/02/2029 00:00:00	♃	10°12'51" ♀	21°57'44"	-00°00'55"	-00°00'14"	18.975
12/02/2029 00:00:00	♃	06°59'21" ♀	01°27'21"	-01°26'05"	00°01'45"	30.569
12/02/2029 00:00:00	♃	08°52'34" ♀	-23°05'23"	-05°14'34"	00°01'49"	37.166
12/02/2029 00:00:00	♃	13°32'09" ♀	-22°44'52"	00°00'00"	-00°03'37"	0.003
12/02/2029 00:00:00	♃	04°18'51" ♂	12°05'57"	-00°54'37"	00°01'41"	17.884
12/02/2029 00:00:00	♃	08°03'46" ♀	07°54'45"	05°08'01"	00°06'43"	0.003
12/02/2029 00:00:00	♃	13°32'09" ♀	-22°44'52"	00°00'00"	-00°03'37"	0.003
12/02/2029 00:00:00	♃	03°54'48" ♀	06°13'35"	05°05'28"	04°22'44"	0.003
12/02/2029 00:00:00	X	25°24'15" ♀	00°36'23"	-09°53'05"	00°00'19"	95.698
12/02/2029 00:00:00	Y	02°42'36" ♀	09°05'34"	-11°49'09"	-00°00'01"	82.087
13/02/2029 00:00:00	♃	24°33'53" ♀	-13°19'54"	00°00'00"	01°00'40"	0.987
13/02/2029 00:00:00	♃	19°37'19" ♀	-12°02'15"	03°02'42"	12°18'56"	0.003
13/02/2029 00:00:00	♃	29°07'35" ♀	-20°22'38"	-00°02'53"	01°09'38"	1.050
13/02/2029 00:00:00	♃	14°58'48" ♀	-17°19'57"	-01°02'19"	01°15'08"	1.683
13/02/2029 00:00:00	♃	13°54'41" ♀	-02°29'39"	03°14'45"	00°00'59"	0.842
13/02/2029 00:00:00	♃	27°24'51" ♀	-09°13'04"	01°25'42"	-00°00'28"	4.932
13/02/2029 00:00:00	♃	05°45'43" ♂	11°16'05"	-02°18'06"	00°04'02"	9.464
13/02/2029 00:00:00	♃	10°12'38" ♀	21°57'43"	-00°00'54"	-00°00'11"	18.991

Ephemerides year 2029

13/02/2029 00:00:00	♁	07°01'07" ♀	01°28'05"	-01°26'03"	00°01'47"	30.581
13/02/2029 00:00:00	♁	08°54'24" ♀	-23°05'00"	-05°14'40"	00°01'49"	37.163
13/02/2029 00:00:00	♁	13°27'28" ♀	-22°45'21"	00°00'00"	-00°05'43"	0.003
13/02/2029 00:00:00	♁	04°20'34" ♀	12°06'30"	-00°54'39"	00°01'44"	17.899
13/02/2029 00:00:00	♁	08°10'29" ♀	07°57'28"	05°08'05"	00°06'43"	0.003
13/02/2029 00:00:00	T♁	13°27'28" ♀	-22°45'21"	00°00'00"	-00°05'43"	0.003
13/02/2029 00:00:00	T♁	07°40'25" ♀	07°45'02"	05°07'30"	03°07'37"	0.003
13/02/2029 00:00:00	X	25°24'35" ♀	00°36'37"	-09°52'58"	00°00'20"	95.713
13/02/2029 00:00:00	Y	02°42'35" ♀	09°05'43"	-11°49'00"	-00°00'00"	82.103
14/02/2029 00:00:00	♁	25°34'33" ♀	-12°59'35"	00°00'00"	01°00'39"	0.988
14/02/2029 00:00:00	♁	01°51'53" ♀	-07°12'20"	03°51'20"	12°10'21"	0.003
14/02/2029 00:00:00	♁	00°18'13" ♀	-20°16'40"	-00°11'57"	01°11'34"	1.065
14/02/2029 00:00:00	♁	16°13'57" ♀	-16°59'10"	-01°03'57"	01°15'08"	1.684
14/02/2029 00:00:00	♁	13°55'18" ♀	-02°28'57"	03°15'45"	00°00'15"	0.834
14/02/2029 00:00:00	♁	27°24'17" ♀	-09°12'39"	01°25'56"	-00°00'39"	4.917
14/02/2029 00:00:00	♁	05°49'48" ♀	11°17'41"	-02°17'50"	00°04'08"	9.480
14/02/2029 00:00:00	♁	10°12'29" ♀	21°57'42"	-00°00'54"	-00°00'07"	19.007
14/02/2029 00:00:00	♁	07°02'55" ♀	01°28'49"	-01°26'01"	00°01'48"	30.593
14/02/2029 00:00:00	♁	08°56'13" ♀	-23°04'37"	-05°14'47"	00°01'48"	37.159

Ephemerides year 2029

14/02/2029 00:00:00	♁	13°20'48" ♄	-22°46'01"	00°00'00"	-00°07'30"	0.003
14/02/2029 00:00:00	♅	04°22'21" ♄	12°07'04"	-00°54'40"	00°01'47"	17.915
14/02/2029 00:00:00	♁	08°17'13" ♄	08°00'10"	05°08'08"	00°06'43"	0.003
14/02/2029 00:00:00	♁♁	13°20'48" ♄	-22°46'01"	00°00'00"	-00°07'30"	0.003
14/02/2029 00:00:00	♁♁	10°12'03" ♄	08°45'24"	05°07'57"	01°58'15"	0.003
14/02/2029 00:00:00	X	25°24'55" ♄	00°36'51"	-09°52'50"	00°00'20"	95.727
14/02/2029 00:00:00	Y	02°42'35" ♁♁	09°05'51"	-11°48'51"	-00°00'00"	82.120
15/02/2029 00:00:00	♁	26°35'12" ♁	-12°39'04"	00°00'00"	01°00'37"	0.988
15/02/2029 00:00:00	♁	13°58'22" ♁	-02°09'57"	04°28'51"	12°02'47"	0.003
15/02/2029 00:00:00	♁	01°30'41" ♁	-20°09'28"	-00°20'45"	01°13'21"	1.080
15/02/2029 00:00:00	♁	17°29'05" ♁	-16°37'53"	-01°05'31"	01°15'07"	1.686
15/02/2029 00:00:00	♁	13°55'11" ♁	-02°28'00"	03°16'44"	-00°00'29"	0.827
15/02/2029 00:00:00	♁	27°23'31" ♁	-09°12'10"	01°26'10"	-00°00'51"	4.903
15/02/2029 00:00:00	♁	05°53'59" ♄	11°19'18"	-02°17'34"	00°04'13"	9.495
15/02/2029 00:00:00	♁	10°12'22" ♁♁	21°57'42"	-00°00'53"	-00°00'04"	19.024
15/02/2029 00:00:00	♁	07°04'44" ♄	01°29'33"	-01°26'00"	00°01'49"	30.605
15/02/2029 00:00:00	♁	08°58'01" ♁	-23°04'14"	-05°14'54"	00°01'48"	37.155
15/02/2029 00:00:00	♁	13°12'40" ♄	-22°46'49"	00°00'00"	-00°08'39"	0.003
15/02/2029 00:00:00	♅	04°24'10" ♄	12°07'39"	-00°54'42"	00°01'50"	17.930

Ephemerides year 2029

15/02/2029 00:00:00	☾	08°23'56" ♀	08°02'53"	05°08'11"	00°06'43"	0.003
15/02/2029 00:00:00	♄	13°12'40" ♀	-22°46'49"	00°00'00"	-00°08'39"	0.003
15/02/2029 00:00:00	♃	11°44'21" ♀	09°21'36"	05°07'48"	01°10'38"	0.003
15/02/2029 00:00:00	X	25°25'16" ♀	00°37'06"	-09°52'42"	00°00'21"	95.742
15/02/2029 00:00:00	Y	02°42'35" ♀	09°06'00"	-11°48'42"	00°00'00"	82.136
16/02/2029 00:00:00	☉	27°35'48" ♀	-12°18'20"	00°00'00"	01°00'36"	0.988
16/02/2029 00:00:00	☾	25°57'56" ♀	02°53'41"	04°54'02"	11°56'36"	0.003
16/02/2029 00:00:00	♁	02°44'54" ♀	-20°01'02"	-00°29'15"	01°15'02"	1.094
16/02/2029 00:00:00	♂	18°44'12" ♀	-16°16'09"	-01°07'03"	01°15'07"	1.688
16/02/2029 00:00:00	♂	13°54'20" ♀	-02°26'47"	03°17'42"	-00°01'14"	0.819
16/02/2029 00:00:00	♂	27°22'34" ♀	-09°11'36"	01°26'24"	-00°01'02"	4.889
16/02/2029 00:00:00	♂	05°58'16" ♀	11°20'57"	-02°17'19"	00°04'19"	9.511
16/02/2029 00:00:00	♂	10°12'19" ♀	21°57'42"	-00°00'53"	-00°00'01"	19.040
16/02/2029 00:00:00	♂	07°06'34" ♀	01°30'18"	-01°25'58"	00°01'50"	30.616
16/02/2029 00:00:00	♂	08°59'50" ♀	-23°03'52"	-05°15'01"	00°01'47"	37.150
16/02/2029 00:00:00	♂	13°03'46" ♀	-22°47'41"	00°00'00"	-00°08'59"	0.003
16/02/2029 00:00:00	♂	04°26'02" ♀	12°08'15"	-00°54'43"	00°01'53"	17.945
16/02/2029 00:00:00	☾	08°30'39" ♀	08°05'35"	05°08'14"	00°06'43"	0.003
16/02/2029 00:00:00	♄	13°03'46" ♀	-22°47'41"	00°00'00"	-00°08'59"	0.003

Ephemerides year 2029

16/02/2029 00:00:00	T♄	12°41'48" ♀	09°43'56"	05°07'33"	00°48'00"	0.003
16/02/2029 00:00:00	X	25°25'38" ♀	00°37'20"	-09°52'35"	00°00'21"	95.756
16/02/2029 00:00:00	Y	02°42'36" ♀	09°06'10"	-11°48'33"	00°00'01"	82.152
17/02/2029 00:00:00	☉	28°36'24" ♀	-11°57'24"	00°00'00"	01°00'34"	0.988
17/02/2029 00:00:00	☾	07°52'15" ♀	07°48'32"	05°06'13"	11°52'23"	0.003
17/02/2029 00:00:00	♁	04°00'45" ♀	-19°51'22"	-00°37'28"	01°16'37"	1.108
17/02/2029 00:00:00	♂	19°59'19" ♀	-15°53'58"	-01°08'31"	01°15'06"	1.690
17/02/2029 00:00:00	♂	13°52'43" ♀	-02°25'17"	03°18'39"	-00°01'59"	0.812
17/02/2029 00:00:00	♂	27°21'26" ♀	-09°10'59"	01°26'38"	-00°01'13"	4.875
17/02/2029 00:00:00	♂	06°02'37" ♀	11°22'37"	-02°17'04"	00°04'24"	9.526
17/02/2029 00:00:00	♂	10°12'20" ♀	21°57'43"	-00°00'52"	00°00'01"	19.057
17/02/2029 00:00:00	♂	07°08'25" ♀	01°31'03"	-01°25'57"	00°01'51"	30.627
17/02/2029 00:00:00	♂	09°01'37" ♀	-23°03'29"	-05°15'08"	00°01'47"	37.145
17/02/2029 00:00:00	♂	12°54'58" ♀	-22°48'33"	00°00'00"	-00°08'27"	0.003
17/02/2029 00:00:00	♂	04°27'58" ♀	12°08'52"	-00°54'45"	00°01'56"	17.960
17/02/2029 00:00:00	♂	08°37'22" ♀	08°08'18"	05°08'17"	00°06'43"	0.003
17/02/2029 00:00:00	T♄	12°54'58" ♀	-22°48'33"	00°00'00"	-00°08'27"	0.003
17/02/2029 00:00:00	T♄	13°26'04" ♀	10°01'07"	05°07'24"	00°42'22"	0.003
17/02/2029 00:00:00	X	25°26'00" ♀	00°37'35"	-09°52'27"	00°00'22"	95.771

Ephemerides year 2029

17/02/2029 00:00:00	Y	02°42'38" ♀	09°06'19"	-11°48'24"	00°00'02"	82.168
18/02/2029 00:00:00	☉	29°36'57" ♁	-11°36'18"	00°00'00"	01°00'32"	0.988
18/02/2029 00:00:00	☾	19°43'36" ♀	12°25'09"	05°05'11"	11°50'48"	0.003
18/02/2029 00:00:00	♁	05°18'08" ♁	-19°40'27"	-00°45'22"	01°18'08"	1.121
18/02/2029 00:00:00	♂	21°14'25" ♁	-15°31'20"	-01°09'56"	01°15'05"	1.691
18/02/2029 00:00:00	♂	13°50'20" ♁	-02°23'32"	03°19'34"	-00°02'45"	0.804
18/02/2029 00:00:00	♃	27°20'07" ♁	-09°10'17"	01°26'52"	-00°01'25"	4.861
18/02/2029 00:00:00	♄	06°07'04" ♂	11°24'18"	-02°16'49"	00°04'29"	9.541
18/02/2029 00:00:00	♅	10°12'23" ♀	21°57'44"	-00°00'51"	00°00'05"	19.074
18/02/2029 00:00:00	♆	07°10'18" ♀	01°31'49"	-01°25'55"	00°01'53"	30.638
18/02/2029 00:00:00	♇	09°03'24" ♁	-23°03'08"	-05°15'16"	00°01'46"	37.140
18/02/2029 00:00:00	♈	12°47'07" ♂	-22°49'18"	00°00'00"	-00°07'06"	0.003
18/02/2029 00:00:00	♉	04°29'56" ♂	12°09'30"	-00°54'47"	00°01'59"	17.975
18/02/2029 00:00:00	♊	08°44'06" ♀	08°11'00"	05°08'20"	00°06'43"	0.003
18/02/2029 00:00:00	T♈	12°47'07" ♂	-22°49'18"	00°00'00"	-00°07'06"	0.003
18/02/2029 00:00:00	T♉	14°08'06" ♀	10°17'30"	05°07'20"	00°41'30"	0.003
18/02/2029 00:00:00	X	25°26'22" ♀	00°37'50"	-09°52'20"	00°00'22"	95.785
18/02/2029 00:00:00	Y	02°42'41" ♀	09°06'28"	-11°48'15"	00°00'03"	82.185
19/02/2029 00:00:00	☉	00°37'29" ♁	-11°15'00"	00°00'00"	01°00'31"	0.989

Ephemerides year 2029

19/02/2029 00:00:00	♃	01°34'59" ♄	16°34'02"	04°51'02"	11°52'34"	0.003
19/02/2029 00:00:00	♆	06°36'59" ♁	-19°28'16"	-00°52'58"	01°19'33"	1.135
19/02/2029 00:00:00	♀	22°29'30" ♁	-15°08'16"	-01°11'18"	01°15'05"	1.693
19/02/2029 00:00:00	♂	13°47'12" ♃	-02°21'30"	03°20'27"	-00°03'31"	0.797
19/02/2029 00:00:00	♂	27°18'36" ♃	-09°09'32"	01°27'06"	-00°01'36"	4.847
19/02/2029 00:00:00	♃	06°11'36" ♄	11°26'01"	-02°16'34"	00°04'34"	9.557
19/02/2029 00:00:00	♃	10°12'30" ♃	21°57'46"	-00°00'51"	00°00'08"	19.090
19/02/2029 00:00:00	♃	07°12'12" ♃	01°32'35"	-01°25'54"	00°01'54"	30.648
19/02/2029 00:00:00	♃	09°05'11" ♁	-23°02'46"	-05°15'23"	00°01'46"	37.135
19/02/2029 00:00:00	♃	12°40'55" ♃	-22°49'53"	00°00'00"	-00°05'12"	0.003
19/02/2029 00:00:00	♃	04°31'58" ♄	12°10'09"	-00°54'49"	00°02'02"	17.989
19/02/2029 00:00:00	♃	08°50'49" ♃	08°13'42"	05°08'23"	00°06'43"	0.003
19/02/2029 00:00:00	♃	12°40'55" ♃	-22°49'53"	00°00'00"	-00°05'12"	0.003
19/02/2029 00:00:00	♃	14°47'10" ♃	10°32'44"	05°07'20"	00°34'59"	0.003
19/02/2029 00:00:00	X	25°26'46" ♃	00°38'05"	-09°52'13"	00°00'23"	95.799
19/02/2029 00:00:00	Y	02°42'44" ♃	09°06'38"	-11°48'06"	00°00'03"	82.201
20/02/2029 00:00:00	♃	01°38'00" ♃	-10°53'31"	00°00'00"	01°00'29"	0.989
20/02/2029 00:00:00	♃	13°30'07" ♄	20°05'11"	04°24'15"	11°58'25"	0.003
20/02/2029 00:00:00	♆	07°57'14" ♁	-19°14'49"	-01°00'16"	01°20'55"	1.148

Ephemerides year 2029

20/02/2029 00:00:00	♀	23°44'35" ♊	-14°44'47"	-01°12'37"	01°15'04"	1.694
20/02/2029 00:00:00	♂	13°43'18" ♋	-02°19'12"	03°21'19"	-00°04'17"	0.790
20/02/2029 00:00:00	♃	27°16'53" ♋	-09°08'43"	01°27'19"	-00°01'47"	4.834
20/02/2029 00:00:00	♅	06°16'13" ♋	11°27'46"	-02°16'19"	00°04'39"	9.572
20/02/2029 00:00:00	♁	10°12'39" ♋	21°57'48"	-00°00'50"	00°00'11"	19.107
20/02/2029 00:00:00	♃	07°14'07" ♋	01°33'22"	-01°25'52"	00°01'55"	30.659
20/02/2029 00:00:00	♁	09°06'57" ♊	-23°02'24"	-05°15'31"	00°01'45"	37.129
20/02/2029 00:00:00	♁	12°36'48" ♋	-22°50'16"	00°00'00"	-00°03'02"	0.003
20/02/2029 00:00:00	♃	04°34'02" ♋	12°10'49"	-00°54'50"	00°02'05"	18.004
20/02/2029 00:00:00	♁	08°57'33" ♋	08°16'23"	05°08'25"	00°06'43"	0.003
20/02/2029 00:00:00	T♁	12°36'48" ♋	-22°50'16"	00°00'00"	-00°03'02"	0.003
20/02/2029 00:00:00	T♃	15°14'00" ♋	10°43'13"	05°07'23"	00°16'17"	0.003
20/02/2029 00:00:00	X	25°27'09" ♋	00°38'20"	-09°52'05"	00°00'24"	95.813
20/02/2029 00:00:00	Y	02°42'48" ♋	09°06'48"	-11°47'57"	00°00'04"	82.217
21/02/2029 00:00:00	♃	02°38'28" ♋	-10°31'53"	00°00'00"	01°00'27"	0.989
21/02/2029 00:00:00	♃	25°33'21" ♋	22°47'42"	03°45'30"	12°08'52"	0.003
21/02/2029 00:00:00	♁	09°18'50" ♊	-19°00'07"	-01°07'14"	01°22'14"	1.160
21/02/2029 00:00:00	♀	24°59'40" ♊	-14°20'54"	-01°13'52"	01°15'03"	1.696
21/02/2029 00:00:00	♂	13°38'38" ♋	-02°16'38"	03°22'08"	-00°05'03"	0.783



Ephemerides year 2029

21/02/2029 00:00:00	♃	27°15'00"	♈	-09°07'50"	01°27'33"	-00°01'58"	4.820
21/02/2029 00:00:00	♅	06°20'56"	♊	11°29'32"	-02°16'05"	00°04'44"	9.587
21/02/2029 00:00:00	♆	10°12'53"	♋	21°57'50"	-00°00'50"	00°00'14"	19.124
21/02/2029 00:00:00	♁	07°16'03"	♈	01°34'09"	-01°25'51"	00°01'56"	30.669
21/02/2029 00:00:00	♂	09°08'43"	♌	-23°02'03"	-05°15'39"	00°01'45"	37.124
21/02/2029 00:00:00	♄	12°34'48"	♈	-22°50'28"	00°00'00"	-00°01'01"	0.003
21/02/2029 00:00:00	♆	04°36'09"	♊	12°11'30"	-00°54'52"	00°02'08"	18.018
21/02/2029 00:00:00	♁	09°04'16"	♈	08°19'05"	05°08'27"	00°06'43"	0.003
21/02/2029 00:00:00	♄♁	12°34'48"	♈	-22°50'28"	00°00'00"	-00°01'01"	0.003
21/02/2029 00:00:00	♄♁	15°14'49"	♈	10°43'39"	05°07'30"	-00°17'04"	0.003
21/02/2029 00:00:00	X	25°27'34"	♈	00°38'36"	-09°51'58"	00°00'24"	95.826
21/02/2029 00:00:00	Y	02°42'54"	♋	09°06'57"	-11°47'47"	00°00'05"	82.233
22/02/2029 00:00:00	♁	03°38'55"	♈	-10°10'05"	00°00'00"	01°00'25"	0.989
22/02/2029 00:00:00	♃	07°49'30"	♋	24°30'07"	02°55'48"	12°24'16"	0.003
22/02/2029 00:00:00	♁	10°41'42"	♌	-18°44'08"	-01°13'53"	01°23'29"	1.172
22/02/2029 00:00:00	♁	26°14'43"	♌	-13°56'38"	-01°15'04"	01°15'03"	1.697
22/02/2029 00:00:00	♈	13°33'11"	♈	-02°13'48"	03°22'56"	-00°05'49"	0.776
22/02/2029 00:00:00	♃	27°12'56"	♈	-09°06'52"	01°27'46"	-00°02'09"	4.807
22/02/2029 00:00:00	♅	06°25'43"	♊	11°31'20"	-02°15'50"	00°04'49"	9.601

Ephemerides year 2029

22/02/2029 00:00:00	♃	10°13'09" ♀	21°57'53"	-00°00'49"	00°00'18"	19.141
22/02/2029 00:00:00	♃	07°18'00" ♀	01°34'56"	-01°25'50"	00°01'57"	30.679
22/02/2029 00:00:00	♃	09°10'28" ♀	-23°01'42"	-05°15'47"	00°01'44"	37.117
22/02/2029 00:00:00	♃	12°34'35" ♀	-22°50'29"	00°00'00"	00°00'28"	0.003
22/02/2029 00:00:00	♃	04°38'19" ♀	12°12'12"	-00°54'54"	00°02'11"	18.033
22/02/2029 00:00:00	♃	09°10'59" ♀	08°21'46"	05°08'29"	00°06'43"	0.003
22/02/2029 00:00:00	♃	12°34'35" ♀	-22°50'29"	00°00'00"	00°00'28"	0.003
22/02/2029 00:00:00	♃	14°35'31" ♀	10°28'29"	05°07'40"	-01°03'14"	0.003
22/02/2029 00:00:00	X	25°27'58" ♀	00°38'51"	-09°51'51"	00°00'25"	95.840
22/02/2029 00:00:00	Y	02°42'59" ♀	09°07'07"	-11°47'38"	00°00'06"	82.250
23/02/2029 00:00:00	♃	04°39'20" ♀	-09°48'08"	00°00'00"	01°00'23"	0.989
23/02/2029 00:00:00	♃	20°23'33" ♀	25°01'30" ♀	01°56'31"	12°44'35"	0.003
23/02/2029 00:00:00	♃	12°05'48" ♀	-18°26'53"	-01°20'13"	01°24'43"	1.184
23/02/2029 00:00:00	♃	27°29'46" ♀	-13°31'58"	-01°16'12"	01°15'02"	1.699
23/02/2029 00:00:00	♃	13°26'58" ♀	-02°10'41"	03°23'42"	-00°06'36"	0.770
23/02/2029 00:00:00	♃	27°10'40" ♀	-09°05'52"	01°28'00"	-00°02'20"	4.794
23/02/2029 00:00:00	♃	06°30'35" ♀	11°33'08"	-02°15'36"	00°04'54"	9.616
23/02/2029 00:00:00	♃	10°13'29" ♀	21°57'57"	-00°00'48"	00°00'21"	19.158
23/02/2029 00:00:00	♃	07°19'58" ♀	01°35'44"	-01°25'48"	00°01'58"	30.688

Ephemerides year 2029

23/02/2029 00:00:00	♁	09°12'12" ♁	-23°01'22"	-05°15'55"	00°01'43"	37.111
23/02/2029 00:00:00	♁	12°35'29" ♁	-22°50'24"	00°00'00"	00°01'09"	0.003
23/02/2029 00:00:00	♁	04°40'32" ♁	12°12'55"	-00°54'56"	00°02'14"	18.047
23/02/2029 00:00:00	♁	09°17'43" ♁	08°24'28"	05°08'31"	00°06'43"	0.003
23/02/2029 00:00:00	♁	12°35'29" ♁	-22°50'24"	00°00'00"	00°01'09"	0.003
23/02/2029 00:00:00	♁	13°06'22" ♁	09°53'41"	05°07'41"	-01°55'04"	0.003
23/02/2029 00:00:00	X	25°28'24" ♁	00°39'07"	-09°51'44"	00°00'25"	95.853
23/02/2029 00:00:00	Y	02°43'06" ♁	09°07'17"	-11°47'29"	00°00'07"	82.266
24/02/2029 00:00:00	♁	05°39'42" ♁	-09°26'02"	00°00'00"	01°00'21"	0.990
24/02/2029 00:00:00	♁	03°20'11" ♁	24°13'16" ♁	00°49'39"	13°09'18"	0.003
24/02/2029 00:00:00	♁	13°31'07" ♁	-18°08'21"	-01°26'12"	01°25'54"	1.196
24/02/2029 00:00:00	♁	28°44'48" ♁	-13°06'57"	-01°17'17"	01°15'01"	1.700
24/02/2029 00:00:00	♁	13°19'58" ♁	-02°07'19"	03°24'25"	-00°07'22"	0.763
24/02/2029 00:00:00	♁	27°08'14" ♁	-09°04'47"	01°28'13"	-00°02'31"	4.782
24/02/2029 00:00:00	♁	06°35'32" ♁	11°34'59"	-02°15'22"	00°04'59"	9.631
24/02/2029 00:00:00	♁	10°13'51" ♁	21°58'00"	-00°00'48"	00°00'24"	19.175
24/02/2029 00:00:00	♁	07°21'57" ♁	01°36'32"	-01°25'47"	00°01'59"	30.697
24/02/2029 00:00:00	♁	09°13'55" ♁	-23°01'02"	-05°16'03"	00°01'43"	37.104
24/02/2029 00:00:00	♁	12°36'33" ♁	-22°50'18"	00°00'00"	00°00'49"	0.003

Ephemerides year 2029

24/02/2029 00:00:00	♄	04°42'48" ♂	12°13'39"	-00°54'58"	00°02'17"	18.061
24/02/2029 00:00:00	♁	09°24'26" ♀	08°27'09"	05°08'33"	00°06'43"	0.003
24/02/2029 00:00:00	♁♁	12°36'33" ♀	-22°50'18"	00°00'00"	00°00'49"	0.003
24/02/2029 00:00:00	♁♁	10°47'39" ♀	08°58'44"	05°07'12"	-02°39'57"	0.003
24/02/2029 00:00:00	X	25°28'50" ♀	00°39'22"	-09°51'37"	00°00'26"	95.866
24/02/2029 00:00:00	Y	02°43'14" ♀	09°07'28"	-11°47'20"	00°00'07"	82.282
25/02/2029 00:00:00	♁	06°40'03" ♀	-09°03'47"	00°00'00"	01°00'19"	0.990
25/02/2029 00:00:00	♁	16°43'14" ♀	22°01'32"	-00°22'02"	13°37'09"	0.003
25/02/2029 00:00:00	♁	14°57'36" ♀	-17°48'32"	-01°31'52"	01°27'03"	1.207
25/02/2029 00:00:00	♁	29°59'49" ♀	-12°41'34"	-01°18'18"	01°15'00"	1.702
25/02/2029 00:00:00	♁	13°12'12" ♀	-02°03'41"	03°25'06"	-00°08'09"	0.757
25/02/2029 00:00:00	♁	27°05'37" ♀	-09°03'39"	01°28'26"	-00°02'42"	4.769
25/02/2029 00:00:00	♁	06°40'34" ♂	11°36'50"	-02°15'08"	00°05'04"	9.645
25/02/2029 00:00:00	♁	10°14'18" ♀	21°58'05"	-00°00'47"	00°00'27"	19.192
25/02/2029 00:00:00	♁	07°23'58" ♀	01°37'21"	-01°25'46"	00°02'00"	30.707
25/02/2029 00:00:00	♁	09°15'38" ♀	-23°00'42"	-05°16'12"	00°01'42"	37.098
25/02/2029 00:00:00	♁	12°36'48" ♀	-22°50'16"	00°00'00"	-00°00'29"	0.003
25/02/2029 00:00:00	♁	04°45'07" ♂	12°14'23"	-00°55'00"	00°02'19"	18.075
25/02/2029 00:00:00	♁	09°31'10" ♀	08°29'50"	05°08'35"	00°06'43"	0.003

Ephemerides year 2029

25/02/2029 00:00:00	T♁	12°36'48" ♄	-22°50'16"	00°00'00"	-00°00'29"	0.003
25/02/2029 00:00:00	T♄	07°53'32" ♄	07°48'38"	05°05'47"	-03°03'51"	0.003
25/02/2029 00:00:00	X	25°29'16" ♄	00°39'38"	-09°51'30"	00°00'26"	95.879
25/02/2029 00:00:00	Y	02°43'22" ♀	09°07'38"	-11°47'11"	00°00'08"	82.299
26/02/2029 00:00:00	☉	07°40'22" ♀	-08°41'25"	-00°00'00"	01°00'17"	0.990
26/02/2029 00:00:00	☾	00°34'52" ♀	18°28'48"	-01°34'48"	14°06'04"	0.002
26/02/2029 00:00:00	♁	16°25'14" ♄	-17°27'27"	-01°37'11"	01°28'11"	1.218
26/02/2029 00:00:00	♂	01°14'50" ♀	-12°15'51"	-01°19'16"	01°15'00"	1.703
26/02/2029 00:00:00	♂	13°03'40" ♄	-01°59'48"	03°25'44"	-00°08'55"	0.751
26/02/2029 00:00:00	♃	27°02'49" ♄	-09°02'26"	01°28'39"	-00°02'53"	4.756
26/02/2029 00:00:00	♅	06°45'40" ♄	11°38'43"	-02°14'54"	00°05'08"	9.659
26/02/2029 00:00:00	♁	10°14'47" ♀	21°58'10"	-00°00'46"	00°00'30"	19.208
26/02/2029 00:00:00	♁	07°25'59" ♄	01°38'10"	-01°25'45"	00°02'01"	30.715
26/02/2029 00:00:00	♁	09°17'20" ♄	-23°00'22"	-05°16'20"	00°01'41"	37.090
26/02/2029 00:00:00	♁	12°35'19" ♄	-22°50'25"	00°00'00"	-00°02'34"	0.003
26/02/2029 00:00:00	♁	04°47'28" ♄	12°15'09"	-00°55'01"	00°02'22"	18.088
26/02/2029 00:00:00	♁	09°37'53" ♄	08°32'30"	05°08'36"	00°06'43"	0.003
26/02/2029 00:00:00	T♁	12°35'19" ♄	-22°50'25"	00°00'00"	-00°02'34"	0.003
26/02/2029 00:00:00	T♄	04°49'21" ♄	06°33'20"	05°03'22"	-03°00'01"	0.003

Ephemerides year 2029

26/02/2029 00:00:00	X	25°29'43" ♄	00°39'54"	-09°51'23"	00°00'27"	95.891
26/02/2029 00:00:00	Y	02°43'31" ♀	09°07'49"	-11°47'02"	00°00'09"	82.315
27/02/2029 00:00:00	☉	08°40'39" ♃	-08°18'54"	-00°00'00"	01°00'16"	0.990
27/02/2029 00:00:00	☾	14°54'48" ♃	13°44'43"	-02°43'55"	14°33'10"	0.002
27/02/2029 00:00:00	♀	17°54'00" ♃	-17°05'05"	-01°42'09"	01°29'18"	1.228
27/02/2029 00:00:00	♀	02°29'49" ♃	-11°49'48"	-01°20'10"	01°14'59"	1.704
27/02/2029 00:00:00	♂	12°54'21" ♃	-01°55'38"	03°26'20"	-00°09'41"	0.744
27/02/2029 00:00:00	♃	26°59'50" ♃	-09°01'10"	01°28'51"	-00°03'04"	4.744
27/02/2029 00:00:00	♃	06°50'51" ♃	11°40'37"	-02°14'40"	00°05'13"	9.674
27/02/2029 00:00:00	♃	10°15'19" ♀	21°58'15"	-00°00'46"	00°00'33"	19.225
27/02/2029 00:00:00	♃	07°28'01" ♄	01°38'59"	-01°25'44"	00°02'02"	30.724
27/02/2029 00:00:00	♃	09°19'02" ♃	-23°00'03"	-05°16'29"	00°01'40"	37.083
27/02/2029 00:00:00	♃	12°31'32" ♃	-22°50'46"	00°00'00"	-00°05'00"	0.003
27/02/2029 00:00:00	♃	04°49'52" ♃	12°15'55"	-00°55'03"	00°02'25"	18.102
27/02/2029 00:00:00	♃	09°44'37" ♄	08°35'11"	05°08'38"	00°06'43"	0.003
27/02/2029 00:00:00	T♃	12°31'32" ♃	-22°50'46"	00°00'00"	-00°05'00"	0.003
27/02/2029 00:00:00	T♃	02°00'36" ♄	05°23'28"	05°00'21"	-02°35'10"	0.003
27/02/2029 00:00:00	X	25°30'10" ♄	00°40'10"	-09°51'17"	00°00'27"	95.904
27/02/2029 00:00:00	Y	02°43'41" ♀	09°07'59"	-11°46'53"	00°00'10"	82.331

Ephemerides year 2029

28/02/2029 00:00:00	☉	09°40'54" ♈	-07°56'17"	-00°00'00"	01°00'14"	0.991
28/02/2029 00:00:00	☾	29°39'31" ♏	08°05'24"	-03°44'02"	14°55'05"	0.002
28/02/2029 00:00:00	♁	19°23'51" ♎	-16°41'27"	-01°46'46"	01°30'24"	1.238
28/02/2029 00:00:00	♂	03°44'48" ♈	-11°23'26"	-01°21'00"	01°14'58"	1.705
28/02/2029 00:00:00	♂	12°44'16" ♈	-01°51'14"	03°26'53"	-00°10'27"	0.739
28/02/2029 00:00:00	♃	26°56'41" ♈	-08°59'51"	01°29'04"	-00°03'14"	4.732
28/02/2029 00:00:00	♄	06°56'06" ♉	11°42'32"	-02°14'26"	00°05'17"	9.688
28/02/2029 00:00:00	♅	10°15'54" ♊	21°58'21"	-00°00'45"	00°00'36"	19.242
28/02/2029 00:00:00	♆	07°30'04" ♋	01°39'48"	-01°25'43"	00°02'03"	30.732
28/02/2029 00:00:00	♇	09°20'42" ♌	-22°59'44"	-05°16'38"	00°01'40"	37.075
28/02/2029 00:00:00	♈	12°25'21" ♌	-22°51'21"	00°00'00"	-00°07'17"	0.003
28/02/2029 00:00:00	♉	04°52'18" ♉	12°16'42"	-00°55'05"	00°02'27"	18.115
28/02/2029 00:00:00	♊	09°51'20" ♋	08°37'51"	05°08'39"	00°06'43"	0.003
28/02/2029 00:00:00	T♈	12°25'21" ♌	-22°51'21"	00°00'00"	-00°07'17"	0.003
28/02/2029 00:00:00	T♉	29°40'32" ♈	04°25'00"	04°57'19"	-02°05'42"	0.003
28/02/2029 00:00:00	X	25°30'38" ♋	00°40'26"	-09°51'10"	00°00'27"	95.916
28/02/2029 00:00:00	Y	02°43'51" ♊	09°08'10"	-11°46'44"	00°00'10"	82.347
01/03/2029 00:00:00	☉	10°41'08" ♈	-07°33'33"	-00°00'00"	01°00'12"	0.991
01/03/2029 00:00:00	☾	14°42'12" ♏	01°52'16"	-04°29'51"	15°08'39"	0.002

Ephemerides year 2029

01/03/2029 00:00:00	♀	20°54'49" ♁	-16°16'32"	-01°51'01"	01°31'30"	1.248
01/03/2029 00:00:00	♀	04°59'46" ♃	-10°56'46"	-01°21'47"	01°14'57"	1.707
01/03/2029 00:00:00	♂	12°33'25" ♃	-01°46'33"	03°27'23"	-00°11'13"	0.733
01/03/2029 00:00:00	♃	26°53'21" ♃	-08°58'27"	01°29'16"	-00°03'25"	4.720
01/03/2029 00:00:00	♃	07°01'26" ♃	11°44'28"	-02°14'13"	00°05'21"	9.701
01/03/2029 00:00:00	♃	10°16'33" ♃	21°58'27"	-00°00'45"	00°00'40"	19.259
01/03/2029 00:00:00	♃	07°32'08" ♃	01°40'38"	-01°25'42"	00°02'04"	30.741
01/03/2029 00:00:00	♃	09°22'22" ♁	-22°59'25"	-05°16'47"	00°01'39"	37.067
01/03/2029 00:00:00	♃	12°17'10" ♃	-22°52'06"	00°00'00"	-00°08'53"	0.003
01/03/2029 00:00:00	♃	04°54'47" ♃	12°17'30"	-00°55'07"	00°02'30"	18.129
01/03/2029 00:00:00	♃	09°58'04" ♃	08°40'31"	05°08'40"	00°06'43"	0.003
01/03/2029 00:00:00	T♃	12°17'10" ♃	-22°52'06"	00°00'00"	-00°08'53"	0.003
01/03/2029 00:00:00	T♃	27°45'17" ♃	03°36'44"	04°54'36"	-01°47'39"	0.003
01/03/2029 00:00:00	X	25°31'06" ♃	00°40'42"	-09°51'03"	00°00'28"	95.928
01/03/2029 00:00:00	Y	02°44'02" ♃	09°08'21"	-11°46'35"	00°00'11"	82.364
02/03/2029 00:00:00	♃	11°41'19" ♃	-07°10'42"	-00°00'00"	01°00'10"	0.991
02/03/2029 00:00:00	♃	29°53'21" ♃	-04°29'54"	-04°57'07"	15°11'49"	0.002
02/03/2029 00:00:00	♀	22°26'52" ♁	-15°50'20"	-01°54'54"	01°32'35"	1.258
02/03/2029 00:00:00	♀	06°14'44" ♃	-10°29'48"	-01°22'30"	01°14'57"	1.708



Ephemerides year 2029

02/03/2029 00:00:00	♂	12°21'49" ♈	-01°41'38"	03°27'51"	-00°11'59"	0.727
02/03/2029 00:00:00	♃	26°49'50" ♈	-08°57'00"	01°29'28"	-00°03'35"	4.709
02/03/2029 00:00:00	♅	07°06'50" ♉	11°46'26"	-02°14'00"	00°05'26"	9.715
02/03/2029 00:00:00	♁	10°17'15" ♉	21°58'34"	-00°00'44"	00°00'43"	19.276
02/03/2029 00:00:00	♃	07°34'12" ♉	01°41'28"	-01°25'41"	00°02'05"	30.748
02/03/2029 00:00:00	♁	09°24'00" ♋	-22°59'07"	-05°16'56"	00°01'38"	37.059
02/03/2029 00:00:00	♁	12°07'55" ♋	-22°52'57"	00°00'00"	-00°09'25"	0.003
02/03/2029 00:00:00	♃	04°57'18" ♉	12°18'19"	-00°55'09"	00°02'32"	18.142
02/03/2029 00:00:00	♁	10°04'47" ♉	08°43'11"	05°08'41"	00°06'43"	0.003
02/03/2029 00:00:00	♁♋	12°07'55" ♋	-22°52'57"	00°00'00"	-00°09'25"	0.003
02/03/2029 00:00:00	♁♃	25°58'46" ♋	02°52'12"	04°52'03"	-01°48'32"	0.003
02/03/2029 00:00:00	X	25°31'35" ♉	00°40'58"	-09°50'57"	00°00'28"	95.940
02/03/2029 00:00:00	Y	02°44'14" ♉	09°08'32"	-11°46'26"	00°00'12"	82.380
03/03/2029 00:00:00	♁	12°41'29" ♋	-06°47'45"	-00°00'00"	01°00'09"	0.991
03/03/2029 00:00:00	♁	15°02'16" ♋	-10°35'04"	-05°03'30"	15°04'19"	0.002
03/03/2029 00:00:00	♁	24°00'00" ♋	-15°22'52"	-01°58'25"	01°33'40"	1.267
03/03/2029 00:00:00	♀	07°29'40" ♋	-10°02'34"	-01°23'09"	01°14'56"	1.709
03/03/2029 00:00:00	♂	12°09'27" ♈	-01°36'28"	03°28'15"	-00°12'44"	0.722
03/03/2029 00:00:00	♃	26°46'09" ♈	-08°55'30"	01°29'40"	-00°03'45"	4.697

Ephemerides year 2029

03/03/2029 00:00:00	♃	07°12'18" ♂	11°48'25"	-02°13'47"	00°05'30"	9.729
03/03/2029 00:00:00	♅	10°17'59" ♀	21°58'41"	-00°00'43"	00°00'46"	19.293
03/03/2029 00:00:00	♆	07°36'18" ♀	01°42'18"	-01°25'40"	00°02'05"	30.756
03/03/2029 00:00:00	♁	09°25'38" ♋	-22°58'49"	-05°17'05"	00°01'37"	37.051
03/03/2029 00:00:00	♄	11°58'44" ♋	-22°53'46"	00°00'00"	-00°08'44"	0.003
03/03/2029 00:00:00	♁	04°59'52" ♂	12°19'08"	-00°55'11"	00°02'35"	18.155
03/03/2029 00:00:00	♁	10°11'30" ♀	08°45'51"	05°08'41"	00°06'43"	0.003
03/03/2029 00:00:00	♄	11°58'44" ♋	-22°53'46"	00°00'00"	-00°08'44"	0.003
03/03/2029 00:00:00	♁	24°03'10" ♋	02°03'56"	04°49'15"	-02°04'07"	0.003
03/03/2029 00:00:00	X	25°32'04" ♀	00°41'15"	-09°50'50"	00°00'29"	95.952
03/03/2029 00:00:00	Y	02°44'27" ♀	09°08'43"	-11°46'17"	00°00'13"	82.396
04/03/2029 00:00:00	♁	13°41'37" ♋	-06°24'42"	-00°00'00"	01°00'07"	0.992
04/03/2029 00:00:00	♁	29°59'00" ♋	-15°58'06"	-04°49'01"	14°47'50"	0.002
04/03/2029 00:00:00	♁	25°34'14" ♋	-14°54'07"	-02°01'33"	01°34'45"	1.275
04/03/2029 00:00:00	♁	08°44'36" ♋	-09°35'03"	-01°23'44"	01°14'55"	1.710
04/03/2029 00:00:00	♁	11°56'20" ♋	-01°31'04"	03°28'35"	-00°13'28"	0.716
04/03/2029 00:00:00	♁	26°42'18" ♋	-08°53'56"	01°29'52"	-00°03'56"	4.686
04/03/2029 00:00:00	♃	07°17'51" ♂	11°50'24"	-02°13'34"	00°05'34"	9.742
04/03/2029 00:00:00	♅	10°18'47" ♀	21°58'48"	-00°00'43"	00°00'49"	19.310

Ephemerides year 2029

04/03/2029 00:00:00	♁	07°38'24" ♀	01°43'09"	-01°25'39"	00°02'06"	30.763
04/03/2029 00:00:00	♁	09°27'15" ♀	-22°58'32"	-05°17'14"	00°01'36"	37.042
04/03/2029 00:00:00	♁	11°50'48" ♀	-22°54'29"	00°00'00"	-00°07'00"	0.003
04/03/2029 00:00:00	♁	05°02'29" ♀	12°19'58"	-00°55'13"	00°02'37"	18.167
04/03/2029 00:00:00	♁	10°18'14" ♀	08°48'31"	05°08'42"	00°06'43"	0.003
04/03/2029 00:00:00	T♁	11°50'48" ♀	-22°54'29"	00°00'00"	-00°07'00"	0.003
04/03/2029 00:00:00	T♁	21°50'43" ♀	01°08'39"	04°45'48"	-02°18'59"	0.003
04/03/2029 00:00:00	X	25°32'33" ♀	00°41'31"	-09°50'44"	00°00'29"	95.963
04/03/2029 00:00:00	Y	02°44'40" ♀	09°08'54"	-11°46'08"	00°00'13"	82.412
05/03/2029 00:00:00	♁	14°41'44" ♀	-06°01'33"	-00°00'00"	01°00'05"	0.992
05/03/2029 00:00:00	♁	14°35'56" ♀	-20°17'09"	-04°15'50"	14°25'18"	0.002
05/03/2029 00:00:00	♁	27°09'32" ♀	-14°24'06"	-02°04'19"	01°35'51"	1.284
05/03/2029 00:00:00	♁	09°59'32" ♀	-09°07'17"	-01°24'16"	01°14'55"	1.711
05/03/2029 00:00:00	♁	11°42'30" ♀	-01°25'25"	03°28'52"	-00°14'12"	0.711
05/03/2029 00:00:00	♁	26°38'17" ♀	-08°52'18"	01°30'04"	-00°04'06"	4.675
05/03/2029 00:00:00	♁	07°23'28" ♀	11°52'25"	-02°13'21"	00°05'39"	9.756
05/03/2029 00:00:00	♁	10°19'38" ♀	21°58'56"	-00°00'42"	00°00'52"	19.327
05/03/2029 00:00:00	♁	07°40'31" ♀	01°44'00"	-01°25'38"	00°02'07"	30.770
05/03/2029 00:00:00	♁	09°28'52" ♀	-22°58'14"	-05°17'24"	00°01'35"	37.033

Ephemerides year 2029

05/03/2029 00:00:00	♏	11°44'56"	-22°55'00"	00°00'00"	-00°04'39"	0.003
05/03/2029 00:00:00	♋	05°05'08"	12°20'49"	-00°55'15"	00°02'40"	18.180
05/03/2029 00:00:00	♎	10°24'57"	08°51'10"	05°08'43"	00°06'43"	0.003
05/03/2029 00:00:00	T♏	11°44'56"	-22°55'00"	00°00'00"	-00°04'39"	0.003
05/03/2029 00:00:00	T♎	19°32'12"	00°10'49"	04°41'49"	-02°13'05"	0.003
05/03/2029 00:00:00	X	25°33'03"	00°41'47"	-09°50'38"	00°00'30"	95.974
05/03/2029 00:00:00	Y	02°44'54"	09°09'06"	-11°45'59"	00°00'14"	82.428
06/03/2029 00:00:00		15°41'49"	-05°38'20"	-00°00'00"	01°00'04"	0.992
06/03/2029 00:00:00		28°48'42"	-23°15'52"	-03°27'31"	14°00'00"	0.002
06/03/2029 00:00:00	♀	28°45'56"	-13°52'49"	-02°06'40"	01°36'56"	1.292
06/03/2029 00:00:00	♀	11°14'27"	-08°39'16"	-01°24'44"	01°14'54"	1.712
06/03/2029 00:00:00	♂	11°27'56"	-01°19'33"	03°29'06"	-00°14'55"	0.706
06/03/2029 00:00:00	♈	26°34'06"	-08°50'37"	01°30'15"	-00°04'15"	4.664
06/03/2029 00:00:00	♏	07°29'09"	11°54'27"	-02°13'08"	00°05'43"	9.769
06/03/2029 00:00:00	♏	10°20'33"	21°59'04"	-00°00'42"	00°00'55"	19.344
06/03/2029 00:00:00	♏	07°42'39"	01°44'51"	-01°25'37"	00°02'08"	30.777
06/03/2029 00:00:00	♏	09°30'27"	-22°57'57"	-05°17'33"	00°01'34"	37.024
06/03/2029 00:00:00	♏	11°41'29"	-22°55'18"	00°00'00"	-00°02'16"	0.003
06/03/2029 00:00:00	♋	05°07'49"	12°21'41"	-00°55'17"	00°02'42"	18.192

Ephemerides year 2029

06/03/2029 00:00:00	☾	10°31'40" ♀	08°53'50"	05°08'43"	00°06'43"	0.003
06/03/2029 00:00:00	♄	11°41'29" ♀	-22°55'18"	00°00'00"	-00°02'16"	0.003
06/03/2029 00:00:00	♄	17°35'42" ♀	-00°37'50"	04°38'08"	-01°34'15"	0.003
06/03/2029 00:00:00	X	25°33'34" ♀	00°42'04"	-09°50'31"	00°00'30"	95.985
06/03/2029 00:00:00	Y	02°45'10" ♀	09°09'17"	-11°45'50"	00°00'15"	82.444
07/03/2029 00:00:00	☉	16°41'53" ♀	-05°15'01"	-00°00'00"	01°00'02"	0.992
07/03/2029 00:00:00	☾	12°36'00" ♀	-24°45'21"	0-02°28'20"	13°34'50"	0.003
07/03/2029 00:00:00	♁	00°23'26" ♀	-13°20'16"	-02°08'37"	01°38'02"	1.300
07/03/2029 00:00:00	♂	12°29'22" ♀	-08°11'02"	-01°25'08"	01°14'54"	1.713
07/03/2029 00:00:00	♂	11°12'39" ♀	-01°13'27"	03°29'15"	-00°15'37"	0.701
07/03/2029 00:00:00	♂	26°29'45" ♀	-08°48'53"	01°30'26"	-00°04'25"	4.653
07/03/2029 00:00:00	♃	07°34'54" ♀	11°56'30"	-02°12'56"	00°05'47"	9.782
07/03/2029 00:00:00	♃	10°21'30" ♀	21°59'13"	-00°00'41"	00°00'58"	19.361
07/03/2029 00:00:00	♃	07°44'48" ♀	01°45'42"	-01°25'37"	00°02'09"	30.784
07/03/2029 00:00:00	♃	09°32'02" ♀	-22°57'41"	-05°17'43"	00°01'34"	37.015
07/03/2029 00:00:00	♄	11°40'12" ♀	-22°55'25"	00°00'00"	-00°00'25"	0.003
07/03/2029 00:00:00	♃	05°10'33" ♀	12°22'34"	-00°55'20"	00°02'45"	18.204
07/03/2029 00:00:00	☾	10°38'24" ♀	08°56'29"	05°08'43"	00°06'43"	0.003
07/03/2029 00:00:00	♄	11°40'12" ♀	-22°55'25"	00°00'00"	-00°00'25"	0.003

Ephemerides year 2029

07/03/2029 00:00:00	T♄	16°33'22" ♈	-01°03'52"	04°36'01"	-00°26'48"	0.003
07/03/2029 00:00:00	X	25°34'05" ♏	00°42'21"	-09°50'25"	00°00'31"	95.996
07/03/2029 00:00:00	Y	02°45'25" ♀	09°09'28"	-11°45'42"	00°00'16"	82.460
08/03/2029 00:00:00	☉	17°41'55" ♈	-04°51'39"	-00°00'00"	01°00'01"	0.993
08/03/2029 00:00:00	☾	25°59'06" ♏	-24°45'02"	-01°22'34"	13°11'48"	0.003
08/03/2029 00:00:00	♁	02°02'02" ♈	-12°46'28"	-02°10'10"	01°39'08"	1.307
08/03/2029 00:00:00	♂	13°44'16" ♈	-07°42'34"	-01°25'28"	01°14'53"	1.714
08/03/2029 00:00:00	♂	10°56'40" ♏	-01°07'08"	03°29'21"	-00°16'19"	0.697
08/03/2029 00:00:00	♃	26°25'15" ♏	-08°47'05"	01°30'37"	-00°04'35"	4.643
08/03/2029 00:00:00	♅	07°40'44" ♏	11°58'34"	-02°12'43"	00°05'51"	9.794
08/03/2029 00:00:00	♁	10°22'30" ♀	21°59'23"	-00°00'40"	00°01'01"	19.378
08/03/2029 00:00:00	♃	07°46'57" ♏	01°46'34"	-01°25'36"	00°02'09"	30.790
08/03/2029 00:00:00	♃	09°33'35" ♁	-22°57'25"	-05°17'53"	00°01'33"	37.005
08/03/2029 00:00:00	♁	11°40'19" ♏	-22°55'24"	00°00'00"	00°00'28"	0.003
08/03/2029 00:00:00	♃	05°13'20" ♏	12°23'27"	-00°55'22"	00°02'47"	18.216
08/03/2029 00:00:00	♁	10°45'07" ♏	08°59'08"	05°08'43"	00°06'43"	0.003
08/03/2029 00:00:00	T♁	11°40'19" ♏	-22°55'24"	00°00'00"	00°00'28"	0.003
08/03/2029 00:00:00	T♄	16°46'15" ♈	-00°58'29"	04°36'28"	00°53'08"	0.003
08/03/2029 00:00:00	X	25°34'36" ♏	00°42'37"	-09°50'19"	00°00'31"	96.007

Ephemerides year 2029

08/03/2029 00:00:00	Y	02°45'42" ♀	09°09'40"	-11°45'33"	00°00'16"	82.475
09/03/2029 00:00:00	☉	18°41'56" ♀	-04°28'12"	00°00'00"	00°59'59"	0.993
09/03/2029 00:00:00	☾	09°00'44" ♀	-23°21'57"	-00°14'12"	12°52'03"	0.003
09/03/2029 00:00:00	♁	03°41'44" ♀	-12°11'24"	-02°11'18"	01°40'15"	1.314
09/03/2029 00:00:00	♂	14°59'09" ♀	-07°13'54"	-01°25'44"	01°14'52"	1.715
09/03/2029 00:00:00	♂	10°40'01" ♀	-01°00'37"	03°29'23"	-00°16'59"	0.692
09/03/2029 00:00:00	♃	26°20'34" ♀	-08°45'14"	01°30'48"	-00°04'44"	4.633
09/03/2029 00:00:00	♄	07°46'37" ♀	12°00'39"	-02°12'31"	00°05'55"	9.807
09/03/2029 00:00:00	♅	10°23'34" ♀	21°59'32"	-00°00'40"	00°01'05"	19.395
09/03/2029 00:00:00	♆	07°49'07" ♀	01°47'26"	-01°25'35"	00°02'10"	30.796
09/03/2029 00:00:00	♇	09°35'08" ♀	-22°57'09"	-05°18'03"	00°01'32"	36.995
09/03/2029 00:00:00	♈	11°40'46" ♀	-22°55'22"	00°00'00"	00°00'12"	0.003
09/03/2029 00:00:00	♉	05°16'08" ♀	12°24'21"	-00°55'24"	00°02'49"	18.228
09/03/2029 00:00:00	♊	10°51'51" ♀	09°01'46"	05°08'43"	00°06'43"	0.003
09/03/2029 00:00:00	T♈	11°40'46" ♀	-22°55'22"	00°00'00"	00°00'12"	0.003
09/03/2029 00:00:00	T♉	18°18'10" ♀	-00°20'06"	04°39'31"	02°08'51"	0.003
09/03/2029 00:00:00	X	25°35'08" ♀	00°42'54"	-09°50'13"	00°00'31"	96.017
09/03/2029 00:00:00	Y	02°45'59" ♀	09°09'52"	-11°45'24"	00°00'17"	82.491
10/03/2029 00:00:00	☉	19°41'55" ♀	-04°04'42"	00°00'00"	00°59'58"	0.993

Ephemerides year 2029

10/03/2029 00:00:00	♃	21°44'26" ♃	-20°48'15"	00°53'15"	12°35'56"	0.003
10/03/2029 00:00:00	♆	05°22'33" ♃	-11°35'06"	-02°12'01"	01°41'23"	1.320
10/03/2029 00:00:00	♀	16°14'01" ♃	-06°45'03"	-01°25'57"	01°14'52"	1.716
10/03/2029 00:00:00	♂	10°22'42" ♃	-00°53'54"	03°29'20"	-00°17'38"	0.688
10/03/2029 00:00:00	♃	26°15'45" ♃	-08°43'20"	01°30'58"	-00°04'54"	4.623
10/03/2029 00:00:00	♃	07°52'34" ♃	12°02'45"	-02°12'19"	00°05'59"	9.820
10/03/2029 00:00:00	♃	10°24'40" ♃	21°59'43"	-00°00'39"	00°01'08"	19.411
10/03/2029 00:00:00	♃	07°51'18" ♃	01°48'18"	-01°25'35"	00°02'10"	30.802
10/03/2029 00:00:00	♃	09°36'39" ♃	-22°56'53"	-05°18'13"	00°01'31"	36.985
10/03/2029 00:00:00	♃	11°40'21" ♃	-22°55'24"	00°00'00"	-00°01'12"	0.003
10/03/2029 00:00:00	♃	05°18'59" ♃	12°25'16"	-00°55'26"	00°02'51"	18.240
10/03/2029 00:00:00	♃	10°58'34" ♃	09°04'25"	05°08'42"	00°06'43"	0.003
10/03/2029 00:00:00	♃	11°40'21" ♃	-22°55'24"	00°00'00"	-00°01'12"	0.003
10/03/2029 00:00:00	♃	20°58'49" ♃	00°47'00"	04°44'23"	03°09'15"	0.003
10/03/2029 00:00:00	X	25°35'40" ♃	00°43'11"	-09°50'08"	00°00'32"	96.027
10/03/2029 00:00:00	Y	02°46'17" ♃	09°10'04"	-11°45'15"	00°00'18"	82.507
11/03/2029 00:00:00	♃	20°41'52" ♃	-03°41'09"	00°00'00"	00°59'56"	0.993
11/03/2029 00:00:00	♃	04°13'46" ♃	-17°18'24"	01°56'45"	12°23'15"	0.003
11/03/2029 00:00:00	♆	07°04'30" ♃	-10°57'32"	-02°12'17"	01°42'31"	1.326



Ephemerides year 2029

11/03/2029 00:00:00	♀	17°28'53" ♃	-06°16'00"	-01°26'06"	01°14'51"	1.716
11/03/2029 00:00:00	♂	10°04'45" ♃	-00°46'59"	03°29'13"	-00°18'15"	0.684
11/03/2029 00:00:00	♃	26°10'46" ♃	-08°41'23"	01°31'09"	-00°05'03"	4.613
11/03/2029 00:00:00	♃	07°58'35" ☾	12°04'52"	-02°12'07"	00°06'02"	9.832
11/03/2029 00:00:00	♃	10°25'50" ♃	21°59'53"	-00°00'39"	00°01'11"	19.428
11/03/2029 00:00:00	♃	07°53'29" ♃	01°49'10"	-01°25'34"	00°02'11"	30.807
11/03/2029 00:00:00	♃	09°38'10" ♃	-22°56'38"	-05°18'23"	00°01'29"	36.975
11/03/2029 00:00:00	♃	11°38'01" ♃	-22°55'36"	00°00'00"	-00°03'33"	0.003
11/03/2029 00:00:00	♃	05°21'52" ☾	12°26'11"	-00°55'28"	00°02'54"	18.251
11/03/2029 00:00:00	♃	11°05'18" ♃	09°07'04"	05°08'42"	00°06'43"	0.003
11/03/2029 00:00:00	T♃	11°38'01" ♃	-22°55'36"	00°00'00"	-00°03'33"	0.003
11/03/2029 00:00:00	T♃	24°29'39" ♃	02°14'54"	04°49'48"	03°48'39"	0.003
11/03/2029 00:00:00	X	25°36'13" ♃	00°43'28"	-09°50'02"	00°00'32"	96.037
11/03/2029 00:00:00	Y	02°46'36" ♃	09°10'16"	-11°45'07"	00°00'19"	82.522
12/03/2029 00:00:00	☾	21°41'47" ♃	-03°17'33"	00°00'00"	00°59'54"	0.994
12/03/2029 00:00:00	♃	16°31'58" ♃	-13°06'58"	02°53'41"	12°13'32"	0.003
12/03/2029 00:00:00	♃	08°47'36" ♃	-10°18'45"	-02°12'07"	01°43'40"	1.332
12/03/2029 00:00:00	♀	18°43'44" ♃	-05°46'48"	-01°26'10"	01°14'50"	1.717
12/03/2029 00:00:00	♂	09°46'11" ♃	-00°39'55"	03°29'02"	-00°18'51"	0.680

Ephemerides year 2029

12/03/2029 00:00:00	♃	26°05'38"	♈	-08°39'22"	01°31'19"	-00°05'12"	4.604
12/03/2029 00:00:00	♅	08°04'39"	♊	12°07'00"	-02°11'56"	00°06'06"	9.844
12/03/2029 00:00:00	♆	10°27'02"	♋	22°00'04"	-00°00'38"	00°01'14"	19.445
12/03/2029 00:00:00	♁	07°55'41"	♏	01°50'02"	-01°25'34"	00°02'11"	30.813
12/03/2029 00:00:00	♂	09°39'39"	♌	-22°56'24"	-05°18'33"	00°01'28"	36.965
12/03/2029 00:00:00	♁	11°33'03"	♎	-22°56'02"	00°00'00"	-00°06'26"	0.003
12/03/2029 00:00:00	♆	05°24'47"	♊	12°27'07"	-00°55'31"	00°02'56"	18.262
12/03/2029 00:00:00	♁	11°12'01"	♏	09°09'42"	05°08'41"	00°06'43"	0.003
12/03/2029 00:00:00	♁♁	11°33'03"	♎	-22°56'02"	00°00'00"	-00°06'26"	0.003
12/03/2029 00:00:00	♁♃	28°28'27"	♉	03°53'53"	04°54'37"	04°05'08"	0.003
12/03/2029 00:00:00	X	25°36'45"	♏	00°43'45"	-09°49'56"	00°00'32"	96.046
12/03/2029 00:00:00	Y	02°46'55"	♋	09°10'28"	-11°44'58"	00°00'19"	82.538
13/03/2029 00:00:00	♁	22°41'41"	♉	-02°53'55"	00°00'00"	00°59'52"	0.994
13/03/2029 00:00:00	♁	28°41'39"	♌	-08°27'23"	03°41'50"	12°06'10"	0.003
13/03/2029 00:00:00	♁	10°31'51"	♉	-09°38'44"	-02°11'30"	01°44'49"	1.337
13/03/2029 00:00:00	♁	19°58'34"	♉	-05°17'26"	-01°26'11"	01°14'49"	1.718
13/03/2029 00:00:00	♁	09°27'03"	♈	-00°32'40"	03°28'45"	-00°19'25"	0.677
13/03/2029 00:00:00	♃	26°00'21"	♈	-08°37'19"	01°31'28"	-00°05'21"	4.595
13/03/2029 00:00:00	♅	08°10'48"	♊	12°09'09"	-02°11'44"	00°06'10"	9.856

Ephemerides year 2029

13/03/2029 00:00:00	♃	10°28'18" Ⅱ	22°00'16"	-00°00'37"	00°01'16"	19.461
13/03/2029 00:00:00	♃	07°57'53" Ⅱ	01°50'55"	-01°25'33"	00°02'12"	30.817
13/03/2029 00:00:00	♃	09°41'08" Ⅱ	-22°56'10"	-05°18'43"	00°01'27"	36.954
13/03/2029 00:00:00	♃	11°25'06" Ⅱ	-22°56'43"	00°00'00"	-00°09'23"	0.003
13/03/2029 00:00:00	♃	05°27'44" Ⅱ	12°28'04"	-00°55'33"	00°02'58"	18.273
13/03/2029 00:00:00	♃	11°18'45" Ⅱ	09°12'20"	05°08'40"	00°06'43"	0.003
13/03/2029 00:00:00	♃	11°25'06" Ⅱ	-22°56'43"	00°00'00"	-00°09'23"	0.003
13/03/2029 00:00:00	♃	02°32'45" Ⅱ	05°34'08"	04°58'02"	04°00'15"	0.003
13/03/2029 00:00:00	♃	25°37'19" Ⅱ	00°44'02"	-09°49'50"	00°00'33"	96.056
13/03/2029 00:00:00	♃	02°47'15" Ⅱ	09°10'40"	-11°44'49"	00°00'20"	82.553
14/03/2029 00:00:00	♃	23°41'33" Ⅱ	-02°30'15"	00°00'00"	00°59'50"	0.994
14/03/2029 00:00:00	♃	10°44'54" Ⅱ	-03°31'48"	04°19'29"	12°00'34"	0.003
14/03/2029 00:00:00	♃	12°17'16" Ⅱ	-08°57'30"	-02°10'26"	01°46'00"	1.342
14/03/2029 00:00:00	♃	21°13'23" Ⅱ	-04°47'55"	-01°26'09"	01°14'48"	1.719
14/03/2029 00:00:00	♃	09°07'21" Ⅱ	-00°25'16"	03°28'24"	-00°19'57"	0.673
14/03/2029 00:00:00	♃	25°54'55" Ⅱ	-08°35'12"	01°31'38"	-00°05'29"	4.586
14/03/2029 00:00:00	♃	08°16'59" Ⅱ	12°11'18"	-02°11'33"	00°06'13"	9.868
14/03/2029 00:00:00	♃	10°29'36" Ⅱ	22°00'28"	-00°00'37"	00°01'19"	19.478
14/03/2029 00:00:00	♃	08°00'05" Ⅱ	01°51'48"	-01°25'33"	00°02'12"	30.822

Ephemerides year 2029

14/03/2029 00:00:00	♁	09°42'35" ♁	-22°55'56"	-05°18'54"	00°01'26"	36.943
14/03/2029 00:00:00	♁	11°14'24" ♁	-22°57'38"	00°00'00"	-00°11'55"	0.003
14/03/2029 00:00:00	♁	05°30'43" ♁	12°29'01"	-00°55'35"	00°03'00"	18.284
14/03/2029 00:00:00	♁	11°25'28" ♁	09°14'58"	05°08'40"	00°06'43"	0.003
14/03/2029 00:00:00	♁	11°14'24" ♁	-22°57'38"	00°00'00"	-00°11'55"	0.003
14/03/2029 00:00:00	♁	06°23'43" ♁	07°07'36"	04°59'52"	03°39'48"	0.003
14/03/2029 00:00:00	X	25°37'52" ♁	00°44'19"	-09°49'45"	00°00'33"	96.065
14/03/2029 00:00:00	Y	02°47'36" ♁	09°10'52"	-11°44'41"	00°00'21"	82.568
15/03/2029 00:00:00	♁	24°41'23" ♁	-02°06'33"	00°00'00"	00°59'48"	0.994
15/03/2029 00:00:00	♁	22°43'16" ♁	01°28'50"	04°45'18"	11°56'20"	0.003
15/03/2029 00:00:00	♁	14°03'52" ♁	-08°15'04"	-02°08'53"	01°47'11"	1.346
15/03/2029 00:00:00	♁	22°28'12" ♁	-04°18'17"	-01°26'02"	01°14'47"	1.719
15/03/2029 00:00:00	♁	08°47'08" ♁	-00°17'45"	03°27'58"	-00°20'27"	0.670
15/03/2029 00:00:00	♁	25°49'21" ♁	-08°33'03"	01°31'47"	-00°05'38"	4.577
15/03/2029 00:00:00	♁	08°23'15" ♁	12°13'28"	-02°11'22"	00°06'17"	9.879
15/03/2029 00:00:00	♁	10°30'58" ♁	22°00'40"	-00°00'36"	00°01'22"	19.494
15/03/2029 00:00:00	♁	08°02'19" ♁	01°52'40"	-01°25'32"	00°02'13"	30.826
15/03/2029 00:00:00	♁	09°44'01" ♁	-22°55'42"	-05°19'05"	00°01'25"	36.932
15/03/2029 00:00:00	♁	11°01'32" ♁	-22°58'42"	00°00'00"	-00°13'38"	0.003

Ephemerides year 2029

15/03/2029 00:00:00	♄	05°33'45" ♉	12°29'59"	-00°55'38"	00°03'02"	18.295
15/03/2029 00:00:00	♁	11°32'11" ♈	09°17'35"	05°08'38"	00°06'43"	0.003
15/03/2029 00:00:00	♁♁	11°01'32" ♈	-22°58'42"	00°00'00"	-00°13'38"	0.003
15/03/2029 00:00:00	♁♁	09°50'20" ♈	08°29'51"	05°00'22"	03°13'15"	0.003
15/03/2029 00:00:00	X	25°38'26" ♈	00°44'36"	-09°49'40"	00°00'33"	96.074
15/03/2029 00:00:00	Y	02°47'57" ♈	09°11'04"	-11°44'33"	00°00'21"	82.584
16/03/2029 00:00:00	♁	25°41'11" ♈	-01°42'50"	00°00'00"	00°59'46"	0.995
16/03/2029 00:00:00	♁	04°38'00" ♈	06°24'18"	04°58'26"	11°53'18"	0.003
16/03/2029 00:00:00	♁	15°51'40" ♈	-07°31'26"	-02°06'52"	01°48'23"	1.349
16/03/2029 00:00:00	♁	23°42'59" ♈	-03°48'32"	-01°25'51"	01°14'46"	1.720
16/03/2029 00:00:00	♁	08°26'26" ♈	-00°10'06"	03°27'27"	-00°20'55"	0.667
16/03/2029 00:00:00	♁	25°43'39" ♈	-08°30'50"	01°31'56"	-00°05'46"	4.569
16/03/2029 00:00:00	♁	08°29'33" ♈	12°15'39"	-02°11'11"	00°06'20"	9.891
16/03/2029 00:00:00	♁	10°32'22" ♈	22°00'52"	-00°00'36"	00°01'25"	19.511
16/03/2029 00:00:00	♁	08°04'32" ♈	01°53'33"	-01°25'32"	00°02'13"	30.831
16/03/2029 00:00:00	♁	09°45'26" ♈	-22°55'29"	-05°19'15"	00°01'24"	36.921
16/03/2029 00:00:00	♁	10°47'30" ♈	-22°59'51"	00°00'00"	-00°14'14"	0.003
16/03/2029 00:00:00	♁	05°36'48" ♈	12°30'57"	-00°55'40"	00°03'04"	18.305
16/03/2029 00:00:00	♁	11°38'55" ♈	09°20'13"	05°08'37"	00°06'43"	0.003

Ephemerides year 2029

16/03/2029 00:00:00	T♄	10°47'30" ♏	-22°59'51"	00°00'00"	-00°14'14"	0.003
16/03/2029 00:00:00	T♄	12°51'26" ♏	09°40'44"	04°59'58"	02°50'07"	0.003
16/03/2029 00:00:00	X	25°39'00" ♏	00°44'53"	-09°49'34"	00°00'34"	96.082
16/03/2029 00:00:00	Y	02°48'20" ♏	09°11'16"	-11°44'24"	00°00'22"	82.599
17/03/2029 00:00:00	☉	26°40'57" ♏	-01°19'07"	00°00'00"	00°59'44"	0.995
17/03/2029 00:00:00	☾	16°30'20" ♏	11°04'42"	04°58'33"	11°51'35"	0.003
17/03/2029 00:00:00	♁	17°40'39" ♏	-06°46'37"	-02°04'21"	01°49'35"	1.352
17/03/2029 00:00:00	♂	24°57'46" ♏	-03°18'40"	-01°25'37"	01°14'46"	1.720
17/03/2029 00:00:00	♂	08°05'17" ♏	-00°02'20"	03°26'51"	-00°21'21"	0.664
17/03/2029 00:00:00	♂	25°37'48" ♏	-08°28'35"	01°32'04"	-00°05'54"	4.561
17/03/2029 00:00:00	♂	08°35'56" ♏	12°17'51"	-02°11'00"	00°06'23"	9.902
17/03/2029 00:00:00	♂	10°33'49" ♏	22°01'05"	-00°00'35"	00°01'28"	19.527
17/03/2029 00:00:00	♂	08°06'46" ♏	01°54'26"	-01°25'32"	00°02'14"	30.834
17/03/2029 00:00:00	♂	09°46'50" ♏	-22°55'17"	-05°19'26"	00°01'23"	36.909
17/03/2029 00:00:00	♂	10°33'26" ♏	-23°00'58"	00°00'00"	-00°13'39"	0.003
17/03/2029 00:00:00	♂	05°39'53" ♏	12°31'56"	-00°55'43"	00°03'06"	18.315
17/03/2029 00:00:00	♂	11°45'38" ♏	09°22'50"	05°08'36"	00°06'43"	0.003
17/03/2029 00:00:00	T♄	10°33'26" ♏	-23°00'58"	00°00'00"	-00°13'39"	0.003
17/03/2029 00:00:00	T♄	15°33'19" ♏	10°43'02"	04°59'01"	02°34'57"	0.003

Ephemerides year 2029

17/03/2029 00:00:00	X	25°39'34" ♀	00°45'10"	-09°49'29"	00°00'34"	96.091
17/03/2029 00:00:00	Y	02°48'42" ♀	09°11'28"	-11°44'16"	00°00'23"	82.614
18/03/2029 00:00:00	☉	27°40'41" ♀	-00°55'23"	00°00'00"	00°59'42"	0.995
18/03/2029 00:00:00	☾	28°21'44" ♀	15°20'05"	04°45'44"	11°51'33"	0.003
18/03/2029 00:00:00	♁	19°30'51" ♀	-06°00'39"	-02°01'21"	01°50'48"	1.355
18/03/2029 00:00:00	♂	26°12'31" ♀	-02°48'43"	-01°25'19"	01°14'45"	1.721
18/03/2029 00:00:00	♄	07°43'43" ♀	00°05'30"	03°26'10"	-00°21'45"	0.662
18/03/2029 00:00:00	♅	25°31'50" ♀	-08°26'18"	01°32'13"	-00°06'01"	4.553
18/03/2029 00:00:00	♆	08°42'21" ♀	12°20'04"	-02°10'49"	00°06'27"	9.913
18/03/2029 00:00:00	♇	10°35'20" ♀	22°01'19"	-00°00'34"	00°01'31"	19.544
18/03/2029 00:00:00	♈	08°09'00" ♀	01°55'19"	-01°25'32"	00°02'14"	30.838
18/03/2029 00:00:00	♉	09°48'12" ♀	-22°55'05"	-05°19'37"	00°01'22"	36.897
18/03/2029 00:00:00	♊	10°20'32" ♀	-23°01'59"	00°00'00"	-00°11'59"	0.003
18/03/2029 00:00:00	♋	05°43'01" ♀	12°32'56"	-00°55'45"	00°03'08"	18.325
18/03/2029 00:00:00	♌	11°52'21" ♀	09°25'27"	05°08'34"	00°06'43"	0.003
18/03/2029 00:00:00	T♍	10°20'32" ♀	-23°01'59"	00°00'00"	-00°11'59"	0.003
18/03/2029 00:00:00	T♎	18°03'19" ♀	11°39'48"	04°57'41"	02°25'33"	0.003
18/03/2029 00:00:00	X	25°40'09" ♀	00°45'27"	-09°49'24"	00°00'34"	96.099
18/03/2029 00:00:00	Y	02°49'06" ♀	09°11'41"	-11°44'08"	00°00'23"	82.628

Ephemerides year 2029

19/03/2029 00:00:00	♁	28°40'22" ♈	-00°31'39"	00°00'00"	00°59'40"	0.996
19/03/2029 00:00:00	♃	10°14'12" ♉	19°00'13"	04°20'29"	11°53'47"	0.003
19/03/2029 00:00:00	♄	21°22'16" ♈	-05°13'33"	-01°57'51"	01°52'01"	1.357
19/03/2029 00:00:00	♅	27°27'16" ♈	-02°18'41"	-01°24'57"	01°14'44"	1.721
19/03/2029 00:00:00	♂	07°21'48" ♈	00°13'25"	03°25'24"	-00°22'06"	0.659
19/03/2029 00:00:00	♁	25°25'45" ♈	-08°23'58"	01°32'21"	-00°06'09"	4.545
19/03/2029 00:00:00	♆	08°48'50" ♉	12°22'17"	-02°10'39"	00°06'30"	9.924
19/03/2029 00:00:00	♇	10°36'53" ♈	22°01'33"	-00°00'34"	00°01'34"	19.560
19/03/2029 00:00:00	♄	08°11'15" ♈	01°56'13"	-01°25'31"	00°02'14"	30.841
19/03/2029 00:00:00	♅	09°49'34" ♈	-22°54'53"	-05°19'48"	00°01'20"	36.885
19/03/2029 00:00:00	♁	10°09'45" ♈	-23°02'49"	00°00'00"	-00°09'29"	0.003
19/03/2029 00:00:00	♂	05°46'10" ♉	12°33'56"	-00°55'48"	00°03'10"	18.335
19/03/2029 00:00:00	♆	11°59'05" ♈	09°28'04"	05°08'33"	00°06'43"	0.003
19/03/2029 00:00:00	T♁	10°09'45" ♈	-23°02'49"	00°00'00"	-00°09'29"	0.003
19/03/2029 00:00:00	T♃	20°24'17" ♈	12°32'12"	04°56'02"	02°15'40"	0.003
19/03/2029 00:00:00	X	25°40'44" ♈	00°45'44"	-09°49'19"	00°00'35"	96.107
19/03/2029 00:00:00	Y	02°49'30" ♈	09°11'53"	-11°43'59"	00°00'24"	82.643
20/03/2029 00:00:00	♁	29°40'02" ♈	-00°07'55"	00°00'00"	00°59'38"	0.996
20/03/2029 00:00:00	♃	22°10'19" ♉	21°54'33"	03°43'40"	11°59'00"	0.003



Ephemerides year 2029

20/03/2029 00:00:00	♀	23°14'53" ♈	-04°25'21"	-01°53'50"	01°53'13"	1.358
20/03/2029 00:00:00	♀	28°41'59" ♈	-01°48'35"	-01°24'32"	01°14'43"	1.722
20/03/2029 00:00:00	♂	06°59'32" ♉	00°21'24"	03°24'32"	-00°22'24"	0.657
20/03/2029 00:00:00	♈	25°19'32" ♉	-08°21'35"	01°32'28"	-00°06'16"	4.538
20/03/2029 00:00:00	♁	08°55'22" ♉	12°24'31"	-02°10'29"	00°06'33"	9.934
20/03/2029 00:00:00	♊	10°38'29" ♊	22°01'47"	-00°00'33"	00°01'37"	19.576
20/03/2029 00:00:00	♋	08°13'30" ♋	01°57'06"	-01°25'31"	00°02'15"	30.844
20/03/2029 00:00:00	♌	09°50'54" ♌	-22°54'41"	-05°20'00"	00°01'19"	36.873
20/03/2029 00:00:00	♍	10°01'42" ♌	-23°03'25"	00°00'00"	-00°06'34"	0.003
20/03/2029 00:00:00	♎	05°49'21" ♌	12°34'56"	-00°55'50"	00°03'11"	18.345
20/03/2029 00:00:00	♏	12°05'48" ♋	09°30'41"	05°08'31"	00°06'43"	0.003
20/03/2029 00:00:00	T♍	10°01'42" ♌	-23°03'25"	00°00'00"	-00°06'34"	0.003
20/03/2029 00:00:00	T♎	22°32'18" ♋	13°18'56"	04°54'12"	01°58'42"	0.003
20/03/2029 00:00:00	X	25°41'20" ♋	00°46'01"	-09°49'14"	00°00'35"	96.114
20/03/2029 00:00:00	Y	02°49'55" ♊	09°12'06"	-11°43'51"	00°00'25"	82.658
21/03/2029 00:00:00	☉	00°39'40" ♋	00°15'46"	00°00'00"	00°59'36"	0.996
21/03/2029 00:00:00	☾	04°13'27" ♊	23°52'35" ○	02°56'30"	12°07'56"	0.003
21/03/2029 00:00:00	♀	25°08'44" ♈	-03°36'03"	-01°49'18"	01°54'26"	1.358
21/03/2029 00:00:00	♀	29°56'42" ♈	-01°18'25"	-01°24'02"	01°14'41"	1.722

Ephemerides year 2029

21/03/2029 00:00:00	♂	06°36'59" ♈	00°29'25"	03°23'35"	-00°22'40"	0.655
21/03/2029 00:00:00	♃	25°13'12" ♈	-08°19'10"	01°32'36"	-00°06'23"	4.531
21/03/2029 00:00:00	♅	09°01'57" ♉	12°26'45"	-02°10'19"	00°06'36"	9.945
21/03/2029 00:00:00	♁	10°40'07" ♉	22°02'01"	-00°00'33"	00°01'40"	19.592
21/03/2029 00:00:00	♆	08°15'45" ♏	01°57'59"	-01°25'31"	00°02'15"	30.847
21/03/2029 00:00:00	♁	09°52'13" ♁	-22°54'31"	-05°20'11"	00°01'18"	36.861
21/03/2029 00:00:00	♁	09°56'34" ♁	-23°03'48"	00°00'00"	-00°03'44"	0.002
21/03/2029 00:00:00	♃	05°52'34" ♉	12°35'58"	-00°55'53"	00°03'13"	18.354
21/03/2029 00:00:00	♁	12°12'31" ♏	09°33'17"	05°08'29"	00°06'43"	0.003
21/03/2029 00:00:00	♁	09°56'34" ♁	-23°03'48"	00°00'00"	-00°03'44"	0.002
21/03/2029 00:00:00	♁	24°17'45" ♏	13°56'46"	04°52'26"	01°29'58"	0.003
21/03/2029 00:00:00	X	25°41'56" ♏	00°46'18"	-09°49'09"	00°00'35"	96.122
21/03/2029 00:00:00	Y	02°50'21" ♉	09°12'18"	-11°43'43"	00°00'26"	82.672
22/03/2029 00:00:00	♁	01°39'15" ♏	00°39'28"	00°00'00"	00°59'34"	0.996
22/03/2029 00:00:00	♃	16°27'40" ♉	24°44'42" ♁	02°00'28"	12°21'15"	0.003
22/03/2029 00:00:00	♃	27°03'45" ♏	-02°45'43"	-01°44'15"	01°55'37"	1.358
22/03/2029 00:00:00	♀	01°11'23" ♏	-00°48'12"	-01°23'29"	01°14'40"	1.722
22/03/2029 00:00:00	♂	06°14'11" ♈	00°37'28"	03°22'33"	-00°22'54"	0.653
22/03/2029 00:00:00	♃	25°06'45" ♈	-08°16'43"	01°32'43"	-00°06'29"	4.524

Ephemerides year 2029

22/03/2029 00:00:00	♃	09°08'35" ♂	12°29'00"	-02°10'09"	00°06'39"	9.955
22/03/2029 00:00:00	♅	10°41'49" ♀	22°02'16"	-00°00'32"	00°01'43"	19.608
22/03/2029 00:00:00	♆	08°18'01" ♀	01°58'53"	-01°25'31"	00°02'15"	30.849
22/03/2029 00:00:00	♁	09°53'31" ♀	-22°54'20"	-05°20'22"	00°01'17"	36.849
22/03/2029 00:00:00	♄	09°54'02" ♀	-23°04'00"	00°00'00"	-00°01'28"	0.002
22/03/2029 00:00:00	♂	05°55'49" ♂	12°36'59"	-00°55'56"	00°03'15"	18.363
22/03/2029 00:00:00	♁	12°19'15" ♀	09°35'54"	05°08'26"	00°06'43"	0.003
22/03/2029 00:00:00	♄♁	09°54'02" ♀	-23°04'00"	00°00'00"	-00°01'28"	0.002
22/03/2029 00:00:00	♄♁	25°27'39" ♀	14°21'30"	04°51'10"	00°47'33"	0.003
22/03/2029 00:00:00	X	25°42'32" ♀	00°46'35"	-09°49'04"	00°00'36"	96.129
22/03/2029 00:00:00	Y	02°50'47" ♀	09°12'31"	-11°43'35"	00°00'26"	82.687
23/03/2029 00:00:00	♁	02°38'48" ♀	01°03'08"	00°00'00"	00°59'31"	0.997
23/03/2029 00:00:00	♃	28°57'34" ♀	24°23'23" ♀	00°57'28"	12°39'21"	0.003
23/03/2029 00:00:00	♆	28°59'57" ♀	-01°54'24"	-01°38'40"	01°56'46"	1.357
23/03/2029 00:00:00	♁	02°26'03" ♀	-00°17'58"	-01°22'52"	01°14'39"	1.722
23/03/2029 00:00:00	♂	05°51'11" ♀	00°45'31"	03°21'26"	-00°23'05"	0.652
23/03/2029 00:00:00	♁	25°00'12" ♀	-08°14'14"	01°32'49"	-00°06'36"	4.517
23/03/2029 00:00:00	♃	09°15'16" ♂	12°31'16"	-02°09'59"	00°06'42"	9.965
23/03/2029 00:00:00	♅	10°43'34" ♀	22°02'32"	-00°00'32"	00°01'45"	19.623

Ephemerides year 2029

23/03/2029 00:00:00	♁	08°20'17" ♀	01°59'46"	-01°25'31"	00°02'15"	30.851
23/03/2029 00:00:00	♁	09°54'48" ♁	-22°54'10"	-05°20'34"	00°01'15"	36.836
23/03/2029 00:00:00	♁	09°53'19" ♁	-23°04'03"	00°00'00"	-00°00'09"	0.002
23/03/2029 00:00:00	♁	05°59'05" ♁	12°38'01"	-00°55'58"	00°03'17"	18.372
23/03/2029 00:00:00	♁	12°25'58" ♀	09°38'30"	05°08'24"	00°06'43"	0.003
23/03/2029 00:00:00	T♁	09°53'19" ♁	-23°04'03"	00°00'00"	-00°00'09"	0.002
23/03/2029 00:00:00	T♁	25°48'47" ♀	14°28'59"	04°50'50"	-00°06'54"	0.003
23/03/2029 00:00:00	X	25°43'08" ♀	00°46'52"	-09°49'00"	00°00'36"	96.135
23/03/2029 00:00:00	Y	02°51'14" ♁	09°12'43"	-11°43'27"	00°00'27"	82.701
24/03/2029 00:00:00	♁	03°38'19" ♀	01°26'46"	00°00'00"	00°59'29"	0.997
24/03/2029 00:00:00	♁	11°47'58" ♁	22°44'40"	-00°10'06"	13°02'13"	0.003
24/03/2029 00:00:00	♁	00°57'18" ♀	-01°02'07"	-01°32'33"	01°57'53"	1.355
24/03/2029 00:00:00	♁	03°40'43" ♀	00°12'16"	-01°22'12"	01°14'38"	1.723
24/03/2029 00:00:00	♁	05°28'01" ♁	00°53'34"	03°20'14"	-00°23'13"	0.651
24/03/2029 00:00:00	♁	24°53'33" ♁	-08°11'43"	01°32'55"	-00°06'42"	4.511
24/03/2029 00:00:00	♁	09°22'00" ♁	12°33'33"	-02°09'49"	00°06'45"	9.975
24/03/2029 00:00:00	♁	10°45'21" ♁	22°02'48"	-00°00'31"	00°01'48"	19.639
24/03/2029 00:00:00	♁	08°22'33" ♀	02°00'40"	-01°25'31"	00°02'16"	30.853
24/03/2029 00:00:00	♁	09°56'03" ♁	-22°54'00"	-05°20'45"	00°01'14"	36.823

Ephemerides year 2029

24/03/2029 00:00:00	♏	09°53'18" ♄	-23°04'03"	00°00'00"	-00°00'03"	0.002
24/03/2029 00:00:00	♋	06°02'23" ♃	12°39'04"	-00°56'01"	00°03'18"	18.380
24/03/2029 00:00:00	♌	12°32'42" ♃	09°41'06"	05°08'22"	00°06'43"	0.003
24/03/2029 00:00:00	T♏	09°53'18" ♄	-23°04'03"	00°00'00"	-00°00'03"	0.002
24/03/2029 00:00:00	T♌	25°11'59" ♃	14°16'10"	04°51'40"	-01°06'46"	0.003
24/03/2029 00:00:00	X	25°43'45" ♃	00°47'10"	-09°48'55"	00°00'36"	96.142
24/03/2029 00:00:00	Y	02°51'42" ♀	09°12'56"	-11°43'19"	00°00'28"	82.715
25/03/2029 00:00:00	♃	04°37'47" ♃	01°50'22"	-00°00'00"	00°59'27"	0.997
25/03/2029 00:00:00	♄	25°03'23" ♄	19°49'07"	-01°19'16"	13°29'12"	0.003
25/03/2029 00:00:00	♌	02°55'44" ♃	-00°08'58"	-01°25'54"	01°58'57"	1.352
25/03/2029 00:00:00	♍	04°55'20" ♃	00°42'33"	-01°21'28"	01°14'37"	1.723
25/03/2029 00:00:00	♂	05°04'44" ♄	01°01'35"	03°18'56"	-00°23'19"	0.649
25/03/2029 00:00:00	♋	24°46'48" ♄	-08°09'10"	01°33'01"	-00°06'47"	4.505
25/03/2029 00:00:00	♎	09°28'47" ♃	12°35'49"	-02°09'40"	00°06'48"	9.984
25/03/2029 00:00:00	♏	10°47'11" ♀	22°03'04"	-00°00'30"	00°01'51"	19.655
25/03/2029 00:00:00	♍	08°24'49" ♃	02°01'33"	-01°25'31"	00°02'16"	30.855
25/03/2029 00:00:00	♌	09°57'17" ♃	-22°53'51"	-05°20'57"	00°01'13"	36.810
25/03/2029 00:00:00	♏	09°52'47" ♄	-23°04'05"	00°00'00"	-00°01'11"	0.002
25/03/2029 00:00:00	♋	06°05'42" ♃	12°40'07"	-00°56'04"	00°03'20"	18.389

Ephemerides year 2029

25/03/2029 00:00:00	☾	12°39'25" ♀	09°43'42"	05°08'19"	00°06'43"	0.003
25/03/2029 00:00:00	♄	09°52'47" ♀	-23°04'05"	00°00'00"	-00°01'11"	0.002
25/03/2029 00:00:00	♄	23°37'26" ♀	13°42'40"	04°53'27"	-01°59'59"	0.003
25/03/2029 00:00:00	X	25°44'22" ♀	00°47'27"	-09°48'51"	00°00'36"	96.148
25/03/2029 00:00:00	Y	02°52'11" ♀	09°13'09"	-11°43'12"	00°00'28"	82.729
26/03/2029 00:00:00	☉	05°37'13" ♀	02°13'56"	-00°00'00"	00°59'24"	0.997
26/03/2029 00:00:00	☾	08°47'16" ♀	15°42'24"	-02°26'15"	13°58'47"	0.002
26/03/2029 00:00:00	♁	04°55'12" ♀	00°44'59"	-01°18'44"	01°59'57"	1.348
26/03/2029 00:00:00	♂	06°09'57" ♀	01°12'48"	-01°20'40"	01°14'36"	1.723
26/03/2029 00:00:00	♂	04°41'24" ♀	01°09'34"	03°17'34"	-00°23'22"	0.649
26/03/2029 00:00:00	♂	24°39'57" ♀	-08°06'35"	01°33'07"	-00°06'53"	4.500
26/03/2029 00:00:00	♃	09°35'36" ♀	12°38'07"	-02°09'31"	00°06'50"	9.994
26/03/2029 00:00:00	♃	10°49'03" ♀	22°03'20"	-00°00'30"	00°01'53"	19.670
26/03/2029 00:00:00	♃	08°27'05" ♀	02°02'27"	-01°25'31"	00°02'16"	30.856
26/03/2029 00:00:00	♃	09°58'30" ♀	-22°53'42"	-05°21'09"	00°01'11"	36.797
26/03/2029 00:00:00	♄	09°50'35" ♀	-23°04'15"	00°00'00"	-00°03'19"	0.003
26/03/2029 00:00:00	♃	06°09'04" ♀	12°41'11"	-00°56'07"	00°03'21"	18.397
26/03/2029 00:00:00	☾	12°46'09" ♀	09°46'17"	05°08'16"	00°06'43"	0.003
26/03/2029 00:00:00	♄	09°50'35" ♀	-23°04'15"	00°00'00"	-00°03'19"	0.003

Ephemerides year 2029

26/03/2029 00:00:00	T♄	21°18'54" ♀	12°52'32"	04°55'36"	-02°32'42"	0.003
26/03/2029 00:00:00	X	25°44'59" ♀	00°47'44"	-09°48'46"	00°00'37"	96.154
26/03/2029 00:00:00	Y	02°52'40" ♀	09°13'22"	-11°43'04"	00°00'29"	82.742
27/03/2029 00:00:00	☉	06°36'37" ♀	02°37'26"	-00°00'00"	00°59'22"	0.998
27/03/2029 00:00:00	☾	23°01'01" ♀	10°35'14"	-03°26'33"	14°28'26"	0.002
27/03/2029 00:00:00	♁	06°55'37" ♀	01°39'41"	-01°11'03"	02°00'52"	1.344
27/03/2029 00:00:00	♂	07°24'33" ♀	01°43'03"	-01°19'48"	01°14'34"	1.723
27/03/2029 00:00:00	♂	04°18'01" ♀	01°17'29"	03°16'07"	-00°23'22"	0.648
27/03/2029 00:00:00	♂	24°33'01" ♀	-08°03'58"	01°33'12"	-00°06'58"	4.494
27/03/2029 00:00:00	♃	09°42'28" ♀	12°40'25"	-02°09'22"	00°06'53"	10.003
27/03/2029 00:00:00	♅	10°50'58" ♀	22°03'37"	-00°00'29"	00°01'56"	19.685
27/03/2029 00:00:00	♆	08°29'21" ♀	02°03'20"	-01°25'32"	00°02'16"	30.857
27/03/2029 00:00:00	♁	09°59'41" ♀	-22°53'34"	-05°21'21"	00°01'10"	36.784
27/03/2029 00:00:00	♁	09°45'57" ♀	-23°04'36"	00°00'00"	-00°06'00"	0.003
27/03/2029 00:00:00	♂	06°12'26" ♀	12°42'15"	-00°56'10"	00°03'23"	18.404
27/03/2029 00:00:00	♁	12°52'52" ♀	09°48'53"	05°08'13"	00°06'43"	0.003
27/03/2029 00:00:00	T♁	09°45'57" ♀	-23°04'36"	00°00'00"	-00°06'00"	0.003
27/03/2029 00:00:00	T♄	18°41'25" ♀	11°54'11"	04°57'25"	-02°37'44"	0.003
27/03/2029 00:00:00	X	25°45'36" ♀	00°48'01"	-09°48'42"	00°00'37"	96.160

Ephemerides year 2029

27/03/2029 00:00:00	Y	02°53'09" ♀	09°13'34"	-11°42'56"	00°00'29"	82.756
28/03/2029 00:00:00	☉	07°35'58" ♀	03°00'53"	-00°00'00"	00°59'20"	0.998
28/03/2029 00:00:00	☾	07°43'01" ♀	04°43'21"	-04°15'15"	14°54'40"	0.002
28/03/2029 00:00:00	♀	08°56'54" ♀	02°35'01"	-01°02'51"	02°01'40"	1.338
28/03/2029 00:00:00	♀	08°39'07" ♀	02°13'16"	-01°18'53"	01°14'33"	1.723
28/03/2029 00:00:00	♂	03°54'40" ♀	01°25'19"	03°14'34"	-00°23'20"	0.647
28/03/2029 00:00:00	♃	24°26'00" ♀	-08°01'20"	01°33'17"	-00°07'03"	4.489
28/03/2029 00:00:00	♄	09°49'23" ♀	12°42'43"	-02°09'13"	00°06'55"	10.012
28/03/2029 00:00:00	♅	10°52'56" ♀	22°03'54"	-00°00'29"	00°01'58"	19.701
28/03/2029 00:00:00	♆	08°31'38" ♀	02°04'13"	-01°25'32"	00°02'16"	30.857
28/03/2029 00:00:00	♇	10°00'51" ♀	-22°53'26"	-05°21'33"	00°01'09"	36.770
28/03/2029 00:00:00	♈	09°38'36" ♀	-23°05'08"	00°00'00"	-00°08'38"	0.003
28/03/2029 00:00:00	♉	06°15'50" ♀	12°43'19"	-00°56'13"	00°03'24"	18.412
28/03/2029 00:00:00	♊	12°59'35" ♀	09°51'28"	05°08'10"	00°06'43"	0.003
28/03/2029 00:00:00	T♈	09°38'36" ♀	-23°05'08"	00°00'00"	-00°08'38"	0.003
28/03/2029 00:00:00	T♉	16°10'46" ♀	10°57'09"	04°58'35"	-02°21'07"	0.003
28/03/2029 00:00:00	X	25°46'13" ♀	00°48'18"	-09°48'38"	00°00'37"	96.165
28/03/2029 00:00:00	Y	02°53'39" ♀	09°13'47"	-11°42'49"	00°00'30"	82.769
29/03/2029 00:00:00	☉	08°35'17" ♀	03°24'17"	-00°00'00"	00°59'18"	0.998



Ephemerides year 2029

29/03/2029 00:00:00	♃	22°47'57"	♎	-01°32'46"	-04°47'34"	15°13'39"	0.002
29/03/2029 00:00:00	♆	10°58'55"	♏	03°30'52"	-00°54'09"	02°02'20"	1.330
29/03/2029 00:00:00	♀	09°53'40"	♏	02°43'27"	-01°17'55"	01°14'32"	1.723
29/03/2029 00:00:00	♂	03°31'22"	♏	01°33'04"	03°12'57"	-00°23'15"	0.647
29/03/2029 00:00:00	♃	24°18'54"	♏	-07°58'39"	01°33'22"	-00°07'08"	4.484
29/03/2029 00:00:00	♄	09°56'20"	♏	12°45'01"	-02°09'04"	00°06'58"	10.020
29/03/2029 00:00:00	♅	10°54'56"	♏	22°04'12"	-00°00'28"	00°02'01"	19.716
29/03/2029 00:00:00	♆	08°33'54"	♏	02°05'06"	-01°25'32"	00°02'16"	30.858
29/03/2029 00:00:00	♁	10°01'59"	♏	-22°53'19"	-05°21'45"	00°01'07"	36.756
29/03/2029 00:00:00	♂	09°28'54"	♏	-23°05'49"	00°00'00"	-00°10'35"	0.003
29/03/2029 00:00:00	♃	06°19'15"	♏	12°44'24"	-00°56'16"	00°03'26"	18.419
29/03/2029 00:00:00	♆	13°06'19"	♏	09°54'03"	05°08'07"	00°06'43"	0.003
29/03/2029 00:00:00	♁♂	09°28'54"	♏	-23°05'49"	00°00'00"	-00°10'35"	0.003
29/03/2029 00:00:00	♁♃	14°01'03"	♏	10°07'16"	04°59'13"	-01°58'50"	0.003
29/03/2029 00:00:00	X	25°46'51"	♏	00°48'35"	-09°48'34"	00°00'37"	96.171
29/03/2029 00:00:00	Y	02°54'10"	♏	09°14'00"	-11°42'41"	00°00'30"	82.783
30/03/2029 00:00:00	♁	09°34'34"	♏	03°47'37"	-00°00'00"	00°59'15"	0.999
30/03/2029 00:00:00	♃	08°06'51"	♏	-07°48'33"	-04°59'56"	15°22'12"	0.002
30/03/2029 00:00:00	♆	13°01'32"	♏	04°27'08"	-00°44'59"	02°02'51"	1.322

Ephemerides year 2029

30/03/2029 00:00:00	♀	11°08'12" ♈	03°13'35"	-01°16'53"	01°14'31"	1.723
30/03/2029 00:00:00	♂	03°08'10" ♈	01°40'43"	03°11'16"	-00°23'07"	0.647
30/03/2029 00:00:00	♃	24°11'43" ♈	-07°55'58"	01°33'26"	-00°07'12"	4.480
30/03/2029 00:00:00	♅	10°03'19" ♉	12°47'20"	-02°08'56"	00°07'00"	10.029
30/03/2029 00:00:00	♁	10°56'59" ♀	22°04'29"	-00°00'28"	00°02'03"	19.731
30/03/2029 00:00:00	♃	08°36'10" ♈	02°06'00"	-01°25'33"	00°02'16"	30.858
30/03/2029 00:00:00	♁	10°03'06" ♁	-22°53'12"	-05°21'57"	00°01'06"	36.743
30/03/2029 00:00:00	♄	09°17'48" ♉	-23°06'36"	00°00'00"	-00°11'22"	0.003
30/03/2029 00:00:00	♅	06°22'42" ♉	12°45'29"	-00°56'19"	00°03'27"	18.427
30/03/2029 00:00:00	♁	13°13'02" ♈	09°56'38"	05°08'04"	00°06'43"	0.003
30/03/2029 00:00:00	T♄	09°17'48" ♉	-23°06'36"	00°00'00"	-00°11'22"	0.003
30/03/2029 00:00:00	T♁	12°09'36" ♈	09°24'00"	04°59'37"	-01°46'40"	0.003
30/03/2029 00:00:00	X	25°47'28" ♈	00°48'52"	-09°48'30"	00°00'37"	96.175
30/03/2029 00:00:00	Y	02°54'41" ♀	09°14'13"	-11°42'34"	00°00'31"	82.796
31/03/2029 00:00:00	♁	10°33'49" ♈	04°10'52"	-00°00'00"	00°59'13"	0.999
31/03/2029 00:00:00	♃	23°28'20" ♈	-13°36'47"	-04°50'46"	15°18'45"	0.002
31/03/2029 00:00:00	♁	15°04'34" ♈	05°23'38"	-00°35'21"	02°03'10"	1.313
31/03/2029 00:00:00	♀	12°22'43" ♈	03°43'39"	-01°15'47"	01°14'30"	1.723
31/03/2029 00:00:00	♂	02°45'07" ♈	01°48'15"	03°09'30"	-00°22'57"	0.647

Ephemerides year 2029

31/03/2029 00:00:00	♃	24°04'28" ♈	-07°53'15"	01°33'30"	-00°07'16"	4.476
31/03/2029 00:00:00	♅	10°10'21" ♉	12°49'40"	-02°08'48"	00°07'02"	10.037
31/03/2029 00:00:00	♆	10°59'04" ♊	22°04'47"	-00°00'27"	00°02'06"	19.746
31/03/2029 00:00:00	♇	08°38'26" ♋	02°06'53"	-01°25'33"	00°02'16"	30.858
31/03/2029 00:00:00	♁	10°04'12" ♌	-22°53'06"	-05°22'09"	00°01'05"	36.729
31/03/2029 00:00:00	♄	09°06'38" ♍	-23°07'23"	00°00'00"	-00°10'46"	0.003
31/03/2029 00:00:00	♆	06°26'10" ♎	12°46'34"	-00°56'22"	00°03'28"	18.434
31/03/2029 00:00:00	♁	13°19'45" ♏	09°59'12"	05°08'00"	00°06'43"	0.003
31/03/2029 00:00:00	T♄	09°06'38" ♍	-23°07'23"	00°00'00"	-00°10'46"	0.003
31/03/2029 00:00:00	T♁	10°21'46" ♌	08°41'57"	05°00'02"	-01°51'57"	0.003
31/03/2029 00:00:00	X	25°48'06" ♏	00°49'09"	-09°48'26"	00°00'38"	96.180
31/03/2029 00:00:00	Y	02°55'13" ♊	09°14'26"	-11°42'27"	00°00'32"	82.809
01/04/2029 00:00:00	♁	11°33'02" ♏	04°34'03"	-00°00'00"	00°59'12"	0.999
01/04/2029 00:00:00	♃	08°40'36" ♈	-18°30'30"	-04°21'04"	15°04'04"	0.002
01/04/2029 00:00:00	♁	17°07'48" ♏	06°20'15"	-00°25'19"	02°03'16"	1.302
01/04/2029 00:00:00	♁	13°37'13" ♏	04°13'39"	-01°14'38"	01°14'29"	1.722
01/04/2029 00:00:00	♂	02°22'15" ♈	01°55'38"	03°07'40"	-00°22'45"	0.648
01/04/2029 00:00:00	♃	23°57'09" ♈	-07°50'31"	01°33'33"	-00°07'20"	4.472
01/04/2029 00:00:00	♅	10°17'25" ♉	12°51'59"	-02°08'39"	00°07'05"	10.045

Ephemerides year 2029

01/04/2029 00:00:00	♃	11°01'12" ♀	22°05'06"	-00°00'26"	00°02'09"	19.760
01/04/2029 00:00:00	♃	08°40'42" ♀	02°07'46"	-01°25'33"	00°02'16"	30.857
01/04/2029 00:00:00	♃	10°05'17" ♀	-22°53'00"	-05°22'22"	00°01'03"	36.715
01/04/2029 00:00:00	♃	08°56'41" ♀	-23°08'03"	00°00'00"	-00°08'56"	0.003
01/04/2029 00:00:00	♃	06°29'39" ♀	12°47'40"	-00°56'25"	00°03'30"	18.440
01/04/2029 00:00:00	♃	13°26'29" ♀	10°01'47"	05°07'56"	00°06'43"	0.003
01/04/2029 00:00:00	♃	08°56'41" ♀	-23°08'03"	00°00'00"	-00°08'56"	0.003
01/04/2029 00:00:00	♃	08°21'04" ♀	07°54'38"	05°00'26"	-02°10'44"	0.003
01/04/2029 00:00:00	X	25°48'45" ♀	00°49'26"	-09°48'23"	00°00'38"	96.184
01/04/2029 00:00:00	Y	02°55'46" ♀	09°14'38"	-11°42'20"	00°00'32"	82.821
02/04/2029 00:00:00	♃	12°32'13" ♀	04°57'09"	-00°00'00"	00°59'10"	0.999
02/04/2029 00:00:00	♃	23°33'38" ♀	-22°06'46"	-03°34'02"	14°40'51"	0.002
02/04/2029 00:00:00	♃	19°11'02" ♀	07°16'47"	-00°14'54"	02°03'07"	1.290
02/04/2029 00:00:00	♃	14°51'42" ♀	04°43'33"	-01°13'26"	01°14'28"	1.722
02/04/2029 00:00:00	♃	01°59'37" ♀	02°02'52"	03°05'45"	-00°22'30"	0.648
02/04/2029 00:00:00	♃	23°49'47" ♀	-07°47'46"	01°33'36"	-00°07'24"	4.468
02/04/2029 00:00:00	♃	10°24'31" ♀	12°54'19"	-02°08'31"	00°07'07"	10.053
02/04/2029 00:00:00	♃	11°03'22" ♀	22°05'24"	-00°00'26"	00°02'11"	19.775
02/04/2029 00:00:00	♃	08°42'59" ♀	02°08'39"	-01°25'34"	00°02'16"	30.857

Ephemerides year 2029

02/04/2029 00:00:00	♁	10°06'20" ♊	-22°52'54"	-05°22'34"	00°01'02"	36.700
02/04/2029 00:00:00	♁	08°48'59" ♎	-23°08'34"	00°00'00"	-00°06'21"	0.003
02/04/2029 00:00:00	♋	06°33'10" ♉	12°48'46"	-00°56'28"	00°03'31"	18.447
02/04/2029 00:00:00	♁	13°33'12" ♈	10°04'21"	05°07'53"	00°06'43"	0.003
02/04/2029 00:00:00	♁♁	08°48'59" ♎	-23°08'34"	00°00'00"	-00°06'21"	0.003
02/04/2029 00:00:00	♁♁	06°00'22" ♈	06°59'01"	05°00'36"	-02°29'05"	0.003
02/04/2029 00:00:00	X	25°49'23" ♈	00°49'43"	-09°48'19"	00°00'38"	96.188
02/04/2029 00:00:00	Y	02°56'19" ♀	09°14'51"	-11°42'13"	00°00'33"	82.834
03/04/2029 00:00:00	♁	13°31'23" ♈	05°20'10"	-00°00'00"	00°59'08"	1.000
03/04/2029 00:00:00	♁	08°00'42" ♎	-24°10'46"	0-02°34'19"	14°12'48"	0.002
03/04/2029 00:00:00	♁	21°13'59" ♈	08°13'03"	-00°04'09"	02°02'42"	1.276
03/04/2029 00:00:00	♁	16°06'10" ♈	05°13'21"	-01°12'10"	01°14'27"	1.722
03/04/2029 00:00:00	♁	01°37'15" ♎	02°09'57"	03°03'47"	-00°22'13"	0.649
03/04/2029 00:00:00	♁	23°42'21" ♎	-07°45'00"	01°33'39"	-00°07'27"	4.465
03/04/2029 00:00:00	♁	10°31'40" ♉	12°56'40"	-02°08'24"	00°07'09"	10.061
03/04/2029 00:00:00	♁	11°05'35" ♀	22°05'43"	-00°00'25"	00°02'14"	19.789
03/04/2029 00:00:00	♁	08°45'15" ♈	02°09'33"	-01°25'34"	00°02'16"	30.856
03/04/2029 00:00:00	♁	10°07'21" ♊	-22°52'49"	-05°22'47"	00°01'01"	36.686
03/04/2029 00:00:00	♁	08°44'01" ♎	-23°08'54"	00°00'00"	-00°03'38"	0.003

Ephemerides year 2029

03/04/2029 00:00:00	♄	06°36'42" ♉	12°49'52"	-00°56'31"	00°03'32"	18.453
03/04/2029 00:00:00	♁	13°39'56" ♈	10°06'55"	05°07'49"	00°06'43"	0.003
03/04/2029 00:00:00	♁♁	08°44'01" ♉	-23°08'54"	00°00'00"	-00°03'38"	0.003
03/04/2029 00:00:00	♁♁	03°28'52" ♈	05°58'29"	05°00'15"	-02°29'44"	0.003
03/04/2029 00:00:00	X	25°50'01" ♈	00°50'00"	-09°48'15"	00°00'38"	96.192
03/04/2029 00:00:00	Y	02°56'53" ♈	09°15'04"	-11°42'06"	00°00'34"	82.846
04/04/2029 00:00:00	♁	14°30'31" ♈	05°43'06"	-00°00'00"	00°59'06"	1.000
04/04/2029 00:00:00	♁	21°58'52" ♉	-24°38'29"	0-01°27'02"	13°43'34"	0.003
04/04/2029 00:00:00	♁	23°16'21" ♈	09°08'50"	00°06'52"	02°01'58"	1.261
04/04/2029 00:00:00	♁	17°20'37" ♈	05°43'03"	-01°10'51"	01°14'26"	1.722
04/04/2029 00:00:00	♁	01°15'12" ♈	02°16'50"	03°01'45"	-00°21'53"	0.650
04/04/2029 00:00:00	♁	23°34'52" ♈	-07°42'12"	01°33'41"	-00°07'30"	4.462
04/04/2029 00:00:00	♁	10°38'51" ♉	12°59'00"	-02°08'16"	00°07'11"	10.068
04/04/2029 00:00:00	♁	11°07'50" ♈	22°06'03"	-00°00'25"	00°02'16"	19.803
04/04/2029 00:00:00	♁	08°47'31" ♈	02°10'26"	-01°25'35"	00°02'15"	30.854
04/04/2029 00:00:00	♁	10°08'22" ♈	-22°52'44"	-05°22'59"	00°00'59"	36.672
04/04/2029 00:00:00	♁	08°41'34" ♉	-23°09'03"	00°00'00"	-00°01'23"	0.003
04/04/2029 00:00:00	♁	06°40'15" ♉	12°50'59"	-00°56'34"	00°03'33"	18.459
04/04/2029 00:00:00	♁	13°46'39" ♈	10°09'29"	05°07'44"	00°06'43"	0.003

Ephemerides year 2029

04/04/2029 00:00:00	T♄	08°41'34" ♄	-23°09'03"	00°00'00"	-00°01'23"	0.003
04/04/2029 00:00:00	T♄	01°10'18" ♄	05°02'36"	04°59'24"	-02°02'38"	0.003
04/04/2029 00:00:00	X	25°50'40" ♄	00°50'16"	-09°48'12"	00°00'38"	96.196
04/04/2029 00:00:00	Y	02°57'27" ♀	09°15'17"	-11°41'59"	00°00'34"	82.858
05/04/2029 00:00:00	♁	15°29'36" ♄	06°05'55"	-00°00'00"	00°59'05"	1.000
05/04/2029 00:00:00	♂	05°28'25" ♄	-23°36'18"	00°16'57"	13°15'59"	0.003
05/04/2029 00:00:00	♀	25°17'49" ♄	10°03'57"	00°18'06"	02°00'54"	1.245
05/04/2029 00:00:00	♀	18°35'03" ♄	06°12'38"	-01°09'29"	01°14'25"	1.721
05/04/2029 00:00:00	♂	00°53'29" ♄	02°23'33"	02°59'39"	-00°21'31"	0.652
05/04/2029 00:00:00	♂	23°27'21" ♄	-07°39'25"	01°33'43"	-00°07'32"	4.459
05/04/2029 00:00:00	♃	10°46'04" ♄	13°01'21"	-02°08'09"	00°07'13"	10.076
05/04/2029 00:00:00	♃	11°10'08" ♀	22°06'22"	-00°00'24"	00°02'18"	19.817
05/04/2029 00:00:00	♃	08°49'47" ♄	02°11'18"	-01°25'35"	00°02'15"	30.853
05/04/2029 00:00:00	♃	10°09'21" ♄	-22°52'40"	-05°23'12"	00°00'58"	36.657
05/04/2029 00:00:00	♁	08°40'54" ♄	-23°09'06"	00°00'00"	-00°00'07"	0.003
05/04/2029 00:00:00	♃	06°43'50" ♄	12°52'06"	-00°56'37"	00°03'34"	18.464
05/04/2029 00:00:00	♃	13°53'23" ♄	10°12'03"	05°07'40"	00°06'43"	0.003
05/04/2029 00:00:00	T♄	08°40'54" ♄	-23°09'06"	00°00'00"	-00°00'07"	0.003
05/04/2029 00:00:00	T♄	29°31'44" ♄	04°22'34"	04°58'28"	-01°11'24"	0.003

Ephemerides year 2029

05/04/2029 00:00:00	X	25°51'19" ♀	00°50'33"	-09°48'09"	00°00'38"	96.199
05/04/2029 00:00:00	Y	02°58'02" ♀	09°15'30"	-11°41'52"	00°00'35"	82.870
06/04/2029 00:00:00	♁	16°28'41" ♀	06°28'39"	00°00'00"	00°59'03"	1.001
06/04/2029 00:00:00	♂	18°32'00" ♀	-21°17'51"	00°51'52"	12°51'52"	0.003
06/04/2029 00:00:00	♀	27°18'03" ♀	10°58'10"	00°29'29"	01°59'29"	1.228
06/04/2029 00:00:00	♋	19°49'28" ♀	06°42'04"	-01°08'03"	01°14'24"	1.721
06/04/2029 00:00:00	♌	00°32'10" ♀	02°30'02"	02°57'29"	-00°21'07"	0.653
06/04/2029 00:00:00	♍	23°19'47" ♀	-07°36'36"	01°33'44"	-00°07'35"	4.457
06/04/2029 00:00:00	♎	10°53'19" ♀	13°03'42"	-02°08'01"	00°07'15"	10.083
06/04/2029 00:00:00	♏	11°12'28" ♀	22°06'42"	-00°00'24"	00°02'21"	19.831
06/04/2029 00:00:00	♐	08°52'02" ♀	02°12'11"	-01°25'36"	00°02'15"	30.851
06/04/2029 00:00:00	♑	10°10'18" ♀	-22°52'36"	-05°23'25"	00°00'56"	36.642
06/04/2029 00:00:00	♒	08°40'54" ♀	-23°09'06"	00°00'00"	-00°00'04"	0.003
06/04/2029 00:00:00	♓	06°47'25" ♀	12°53'13"	-00°56'41"	00°03'35"	18.470
06/04/2029 00:00:00	♈	14°00'06" ♀	10°14'36"	05°07'36"	00°06'43"	0.003
06/04/2029 00:00:00	T♁	08°40'54" ♀	-23°09'06"	00°00'00"	-00°00'04"	0.003
06/04/2029 00:00:00	T♂	28°51'09" ♀	04°05'58"	04°57'58"	-00°09'08"	0.003
06/04/2029 00:00:00	X	25°51'58" ♀	00°50'50"	-09°48'06"	00°00'39"	96.202
06/04/2029 00:00:00	Y	02°58'37" ♀	09°15'43"	-11°41'45"	00°00'35"	82.882



Ephemerides year 2029

07/04/2029 00:00:00	♁	17°27'43" ♈	06°51'16"	00°00'00"	00°59'01"	1.001
07/04/2029 00:00:00	♃	01°13'37" ♎	-17°59'35"	01°56'10"	12°32'07"	0.003
07/04/2029 00:00:00	♁	29°16'41" ♈	11°51'15"	00°40'56"	01°57'42"	1.209
07/04/2029 00:00:00	♁	21°03'52" ♈	07°11'22"	-01°06'35"	01°14'23"	1.720
07/04/2029 00:00:00	♂	00°11'15" ♈	02°36'19"	02°55'16"	-00°20'40"	0.655
07/04/2029 00:00:00	♃	23°12'10" ♈	-07°33'47"	01°33'46"	-00°07'37"	4.455
07/04/2029 00:00:00	♃	11°00'35" ♈	13°06'04"	-02°07'54"	00°07'17"	10.089
07/04/2029 00:00:00	♃	11°14'50" ♈	22°07'03"	-00°00'23"	00°02'23"	19.845
07/04/2029 00:00:00	♃	08°54'18" ♈	02°13'04"	-01°25'37"	00°02'15"	30.849
07/04/2029 00:00:00	♃	10°11'14" ♎	-22°52'33"	-05°23'37"	00°00'55"	36.628
07/04/2029 00:00:00	♁	08°40'20" ♈	-23°09'08"	00°00'00"	-00°01'14"	0.003
07/04/2029 00:00:00	♃	06°51'02" ♈	12°54'21"	-00°56'44"	00°03'36"	18.475
07/04/2029 00:00:00	♁	14°06'50" ♈	10°17'10"	05°07'31"	00°06'43"	0.003
07/04/2029 00:00:00	T♁	08°40'20" ♈	-23°09'08"	00°00'00"	-00°01'14"	0.003
07/04/2029 00:00:00	T♃	29°12'32" ♈	04°14'38"	04°58'08"	00°50'36"	0.003
07/04/2029 00:00:00	X	25°52'37" ♈	00°51'07"	-09°48'02"	00°00'39"	96.205
07/04/2029 00:00:00	Y	02°59'13" ♈	09°15'56"	-11°41'39"	00°00'36"	82.894
08/04/2029 00:00:00	♁	18°26'44" ♈	07°13'46"	00°00'00"	00°58'59"	1.001
08/04/2029 00:00:00	♃	13°37'45" ♎	-13°57'36"	02°53'25"	12°16'53"	0.003

Ephemerides year 2029

08/04/2029 00:00:00	♀	01°13'21" ♄	12°42'59"	00°52'23"	01°55'33"	1.189
08/04/2029 00:00:00	♀	22°18'15" ♄	07°40'30"	-01°05'03"	01°14'22"	1.720
08/04/2029 00:00:00	♂	29°50'49" ♃	02°42'22"	02°53'00"	-00°20'12"	0.657
08/04/2029 00:00:00	♃	23°04'32" ♃	-07°30'57"	01°33'46"	-00°07'39"	4.453
08/04/2029 00:00:00	♃	11°07'54" ♄	13°08'25"	-02°07'47"	00°07'19"	10.096
08/04/2029 00:00:00	♃	11°17'15" ♃	22°07'23"	-00°00'22"	00°02'25"	19.859
08/04/2029 00:00:00	♃	08°56'33" ♄	02°13'56"	-01°25'37"	00°02'14"	30.846
08/04/2029 00:00:00	♃	10°12'08" ♃	-22°52'31"	-05°23'50"	00°00'53"	36.613
08/04/2029 00:00:00	♃	08°38'05" ♃	-23°09'17"	00°00'00"	-00°03'24"	0.003
08/04/2029 00:00:00	♃	06°54'39" ♄	12°55'29"	-00°56'48"	00°03'37"	18.480
08/04/2029 00:00:00	♃	14°13'33" ♄	10°19'43"	05°07'26"	00°06'43"	0.003
08/04/2029 00:00:00	T♃	08°38'05" ♃	-23°09'17"	00°00'00"	-00°03'24"	0.003
08/04/2029 00:00:00	T♃	00°28'38" ♄	04°45'31"	04°58'50"	01°39'20"	0.003
08/04/2029 00:00:00	X	25°53'16" ♄	00°51'23"	-09°47'59"	00°00'39"	96.207
08/04/2029 00:00:00	Y	02°59'50" ♃	09°16'09"	-11°41'32"	00°00'36"	82.905
09/04/2029 00:00:00	☉	19°25'43" ♄	07°36'08"	00°00'00"	00°58'57"	1.002
09/04/2029 00:00:00	☾	25°48'50" ♃	-09°26'00"	03°41'37"	12°05'54"	0.003
09/04/2029 00:00:00	♀	03°07'41" ♄	13°33'09"	01°03'44"	01°53'02"	1.168
09/04/2029 00:00:00	♀	23°32'37" ♄	08°09'28"	-01°03'29"	01°14'21"	1.719

Ephemerides year 2029

09/04/2029 00:00:00	♂	29°30'52" ♍	02°48'10"	02°50'41"	-00°19'41"	0.659
09/04/2029 00:00:00	♃	22°56'52" ♈	-07°28'07"	01°33'47"	-00°07'40"	4.452
09/04/2029 00:00:00	♅	11°15'14" ♄	13°10'47"	-02°07'41"	00°07'21"	10.102
09/04/2029 00:00:00	♁	11°19'41" ♀	22°07'44"	-00°00'22"	00°02'27"	19.872
09/04/2029 00:00:00	♆	08°58'48" ♀	02°14'48"	-01°25'38"	00°02'14"	30.844
09/04/2029 00:00:00	♁	10°13'01" ♁	-22°52'28"	-05°24'03"	00°00'52"	36.598
09/04/2029 00:00:00	♄	08°33'19" ♄	-23°09'35"	00°00'00"	-00°06'09"	0.003
09/04/2029 00:00:00	♅	06°58'17" ♄	12°56'37"	-00°56'51"	00°03'38"	18.484
09/04/2029 00:00:00	♁	14°20'16" ♀	10°22'16"	05°07'21"	00°06'43"	0.003
09/04/2029 00:00:00	T♄	08°33'19" ♄	-23°09'35"	00°00'00"	-00°06'09"	0.003
09/04/2029 00:00:00	T♁	02°26'23" ♀	05°33'08"	04°59'42"	02°13'44"	0.003
09/04/2029 00:00:00	X	25°53'55" ♀	00°51'40"	-09°47'57"	00°00'39"	96.209
09/04/2029 00:00:00	Y	03°00'27" ♀	09°16'22"	-11°41'26"	00°00'37"	82.916
10/04/2029 00:00:00	♁	20°24'39" ♀	07°58'23"	00°00'00"	00°58'56"	1.002
10/04/2029 00:00:00	♃	07°50'47" ♈	-04°36'47"	04°19'14"	11°58'32"	0.003
10/04/2029 00:00:00	♅	04°59'20" ♄	14°21'33"	01°14'55"	01°50'10"	1.146
10/04/2029 00:00:00	♀	24°46'58" ♀	08°38'14"	-01°01'52"	01°14'20"	1.719
10/04/2029 00:00:00	♂	29°11'27" ♍	02°53'44"	02°48'19"	-00°19'08"	0.661
10/04/2029 00:00:00	♃	22°49'11" ♈	-07°25'17"	01°33'46"	-00°07'41"	4.451

Ephemerides year 2029

10/04/2029 00:00:00	♃	11°22'36" ♀	13°13'09"	-02°07'34"	00°07'22"	10.108
10/04/2029 00:00:00	♃	11°22'10" ♀	22°08'05"	-00°00'21"	00°02'30"	19.885
10/04/2029 00:00:00	♃	09°01'02" ♀	02°15'40"	-01°25'39"	00°02'14"	30.841
10/04/2029 00:00:00	♃	10°13'52" ♀	-22°52'27"	-05°24'16"	00°00'50"	36.582
10/04/2029 00:00:00	♃	08°25'43" ♀	-23°10'04"	00°00'00"	-00°09'01"	0.003
10/04/2029 00:00:00	♃	07°01'56" ♀	12°57'45"	-00°56'54"	00°03'39"	18.489
10/04/2029 00:00:00	♃	14°27'00" ♀	10°24'48"	05°07'16"	00°06'43"	0.003
10/04/2029 00:00:00	♃	08°25'43" ♀	-23°10'04"	00°00'00"	-00°09'01"	0.003
10/04/2029 00:00:00	♃	04°51'29" ♀	06°31'25"	05°00'20"	02°34'22"	0.003
10/04/2029 00:00:00	X	25°54'35" ♀	00°51'56"	-09°47'54"	00°00'39"	96.211
10/04/2029 00:00:00	Y	03°01'04" ♀	09°16'34"	-11°41'20"	00°00'37"	82.927
11/04/2029 00:00:00	♃	21°23'35" ♀	08°20'30"	00°00'00"	00°58'54"	1.002
11/04/2029 00:00:00	♃	19°46'55" ♀	00°19'34"	04°45'06"	11°54'08"	0.003
11/04/2029 00:00:00	♃	06°47'55" ♀	15°08'01"	01°25'50"	01°46'56"	1.123
11/04/2029 00:00:00	♃	26°01'18" ♀	09°06'49"	-01°00'11"	01°14'19"	1.718
11/04/2029 00:00:00	♃	28°52'35" ♀	02°59'01"	02°45'54"	-00°18'34"	0.663
11/04/2029 00:00:00	♃	22°41'29" ♀	-07°22'27"	01°33'46"	-00°07'42"	4.450
11/04/2029 00:00:00	♃	11°30'00" ♀	13°15'31"	-02°07'28"	00°07'24"	10.114
11/04/2029 00:00:00	♃	11°24'42" ♀	22°08'26"	-00°00'21"	00°02'32"	19.899

Ephemerides year 2029

11/04/2029 00:00:00	♁	09°03'16" ♀	02°16'32"	-01°25'40"	00°02'13"	30.837
11/04/2029 00:00:00	♁	10°14'42" ♀	-22°52'25"	-05°24'29"	00°00'48"	36.567
11/04/2029 00:00:00	♁	08°15'23" ♀	-23°10'43"	00°00'00"	-00°11'31"	0.003
11/04/2029 00:00:00	♁	07°05'36" ♀	12°58'53"	-00°56'58"	00°03'40"	18.493
11/04/2029 00:00:00	♁	14°33'43" ♀	10°27'21"	05°07'11"	00°06'43"	0.003
11/04/2029 00:00:00	T♁	08°15'23" ♀	-23°10'43"	00°00'00"	-00°11'31"	0.003
11/04/2029 00:00:00	T♁	07°31'38" ♀	07°35'06"	05°00'29"	02°44'32"	0.003
11/04/2029 00:00:00	X	25°55'14" ♀	00°52'13"	-09°47'51"	00°00'39"	96.212
11/04/2029 00:00:00	Y	03°01'42" ♀	09°16'47"	-11°41'14"	00°00'38"	82.938
12/04/2029 00:00:00	♁	22°22'28" ♀	08°42'29"	00°00'00"	00°58'52"	1.002
12/04/2029 00:00:00	♁	01°39'50" ♀	05°13'27"	04°58'25"	11°52'02"	0.003
12/04/2029 00:00:00	♁	08°33'07" ♀	15°52'21"	01°36'24"	01°43'24"	1.100
12/04/2029 00:00:00	♁	27°15'37" ♀	09°35'11"	-00°58'28"	01°14'18"	1.717
12/04/2029 00:00:00	♁	28°34'19" ♀	03°04'02"	02°43'27"	-00°17'57"	0.666
12/04/2029 00:00:00	♁	22°33'47" ♀	-07°19'36"	01°33'45"	-00°07'42"	4.449
12/04/2029 00:00:00	♁	11°37'25" ♀	13°17'52"	-02°07'22"	00°07'26"	10.120
12/04/2029 00:00:00	♁	11°27'15" ♀	22°08'48"	-00°00'20"	00°02'34"	19.911
12/04/2029 00:00:00	♁	09°05'30" ♀	02°17'24"	-01°25'41"	00°02'13"	30.834
12/04/2029 00:00:00	♁	10°15'30" ♀	-22°52'25"	-05°24'42"	00°00'47"	36.552

Ephemerides year 2029

12/04/2029 00:00:00	♏	08°02'55" ♁	-23°11'29"	00°00'00"	-00°13'14"	0.003
12/04/2029 00:00:00	♋	07°09'17" ♁	13°00'01"	-00°57'02"	00°03'41"	18.496
12/04/2029 00:00:00	♌	14°40'26" ♁	10°29'53"	05°07'06"	00°06'43"	0.003
12/04/2029 00:00:00	T♏	08°02'55" ♁	-23°11'29"	00°00'00"	-00°13'14"	0.003
12/04/2029 00:00:00	T♌	10°18'52" ♁	08°40'49"	05°00'02"	02°49'37"	0.003
12/04/2029 00:00:00	X	25°55'53" ♁	00°52'29"	-09°47'49"	00°00'39"	96.213
12/04/2029 00:00:00	Y	03°02'21" ♀	09°17'00"	-11°41'08"	00°00'38"	82.949
13/04/2029 00:00:00	♈	23°21'19" ♁	09°04'18"	00°00'00"	00°58'50"	1.003
13/04/2029 00:00:00	♎	13°31'34" ♁	09°55'21"	04°58'47"	11°51'40"	0.003
13/04/2029 00:00:00	♏	10°14'37" ♁	16°34'26"	01°46'32"	01°39'33"	1.075
13/04/2029 00:00:00	♍	28°29'55" ♁	10°03'20"	-00°56'43"	01°14'17"	1.717
13/04/2029 00:00:00	♊	28°16'40" ♁	03°08'47"	02°40'58"	-00°17'19"	0.669
13/04/2029 00:00:00	♉	22°26'05" ♁	-07°16'46"	01°33'44"	-00°07'42"	4.449
13/04/2029 00:00:00	♈	11°44'52" ♁	13°20'14"	-02°07'16"	00°07'27"	10.125
13/04/2029 00:00:00	♌	11°29'50" ♀	22°09'09"	-00°00'20"	00°02'36"	19.924
13/04/2029 00:00:00	♍	09°07'43" ♁	02°18'15"	-01°25'42"	00°02'13"	30.830
13/04/2029 00:00:00	♎	10°16'17" ♁	-22°52'24"	-05°24'56"	00°00'45"	36.536
13/04/2029 00:00:00	♏	07°49'15" ♁	-23°12'18"	00°00'00"	-00°13'53"	0.003
13/04/2029 00:00:00	♋	07°12'59" ♁	13°01'10"	-00°57'05"	00°03'41"	18.500

Ephemerides year 2029

13/04/2029 00:00:00	☾	14°47'09" ♀	10°32'25"	05°07'00"	00°06'43"	0.003
13/04/2029 00:00:00	♁	07°49'15" ♀	-23°12'18"	00°00'00"	-00°13'53"	0.003
13/04/2029 00:00:00	♁	13°11'12" ♀	09°47'32"	04°58'57"	02°55'37"	0.003
13/04/2029 00:00:00	X	25°56'33" ♀	00°52'45"	-09°47'46"	00°00'39"	96.214
13/04/2029 00:00:00	Y	03°02'59" ♀	09°17'13"	-11°41'02"	00°00'39"	82.959
14/04/2029 00:00:00	☉	24°20'09" ♀	09°25'59"	00°00'00"	00°58'48"	1.003
14/04/2029 00:00:00	☾	25°23'40" ♀	14°15'24"	04°46'12"	11°52'44"	0.003
14/04/2029 00:00:00	♀	11°52'08" ♀	17°14'08"	01°56'10"	01°35'26"	1.051
14/04/2029 00:00:00	♀	29°44'12" ♀	10°31'15"	-00°54'54"	01°14'16"	1.716
14/04/2029 00:00:00	♂	27°59'40" ♀	03°13'14"	02°38'27"	-00°16'40"	0.672
14/04/2029 00:00:00	♂	22°18'22" ♀	-07°13'57"	01°33'42"	-00°07'42"	4.449
14/04/2029 00:00:00	♂	11°52'20" ♀	13°22'36"	-02°07'10"	00°07'28"	10.130
14/04/2029 00:00:00	♂	11°32'28" ♀	22°09'31"	-00°00'19"	00°02'38"	19.937
14/04/2029 00:00:00	♂	09°09'56" ♀	02°19'07"	-01°25'43"	00°02'12"	30.826
14/04/2029 00:00:00	♂	10°17'02" ♀	-22°52'25"	-05°25'09"	00°00'44"	36.521
14/04/2029 00:00:00	♁	07°35'32" ♀	-23°13'06"	00°00'00"	-00°13'22"	0.003
14/04/2029 00:00:00	♂	07°16'41" ♀	13°02'19"	-00°57'09"	00°03'42"	18.503
14/04/2029 00:00:00	☾	14°53'53" ♀	10°34'57"	05°06'55"	00°06'43"	0.003
14/04/2029 00:00:00	♁	07°35'32" ♀	-23°13'06"	00°00'00"	-00°13'22"	0.003

Ephemerides year 2029

14/04/2029 00:00:00	T♄	16°11'46" ♀	10°56'13"	04°57'09"	03°06'23"	0.003
14/04/2029 00:00:00	X	25°57'12" ♀	00°53'01"	-09°47'44"	00°00'39"	96.215
14/04/2029 00:00:00	Y	03°03'39" ♀	09°17'26"	-11°40'56"	00°00'39"	82.969
15/04/2029 00:00:00	☉	25°18'56" ♀	09°47'31"	00°00'00"	00°58'46"	1.003
15/04/2029 00:00:00	☾	07°17'29" ♂	18°03'09"	04°21'04"	11°55'08"	0.003
15/04/2029 00:00:00	♀	13°25'25" ♂	17°51'20"	02°05'13"	01°31'04"	1.026
15/04/2029 00:00:00	♂	00°58'27" ♂	10°58'55"	-00°53'04"	01°14'15"	1.715
15/04/2029 00:00:00	♂	27°43'20" ♃	03°17'23"	02°35'54"	-00°15'59"	0.675
15/04/2029 00:00:00	♃	22°10'41" ♃	-07°11'07"	01°33'40"	-00°07'41"	4.449
15/04/2029 00:00:00	♄	11°59'50" ♂	13°24'58"	-02°07'04"	00°07'30"	10.135
15/04/2029 00:00:00	♅	11°35'07" ♀	22°09'53"	-00°00'18"	00°02'40"	19.949
15/04/2029 00:00:00	♆	09°12'08" ♀	02°19'58"	-01°25'44"	00°02'12"	30.822
15/04/2029 00:00:00	♇	10°17'45" ♁	-22°52'25"	-05°25'22"	00°00'42"	36.505
15/04/2029 00:00:00	♈	07°22'52" ♂	-23°13'49"	00°00'00"	-00°11'46"	0.003
15/04/2029 00:00:00	♉	07°20'24" ♂	13°03'28"	-00°57'13"	00°03'43"	18.506
15/04/2029 00:00:00	♊	15°00'36" ♀	10°37'29"	05°06'49"	00°06'43"	0.003
15/04/2029 00:00:00	T♈	07°22'52" ♂	-23°13'49"	00°00'00"	-00°11'46"	0.003
15/04/2029 00:00:00	T♄	19°25'16" ♀	12°08'12"	04°54'25"	03°20'48"	0.003
15/04/2029 00:00:00	X	25°57'51" ♀	00°53'17"	-09°47'42"	00°00'39"	96.215



Ephemerides year 2029

15/04/2029 00:00:00	Y	03°04'19" ♀	09°17'38"	-11°40'50"	00°00'40"	82.979
16/04/2029 00:00:00	☉	26°17'42" ♀	10°08'52"	00°00'00"	00°58'44"	1.004
16/04/2029 00:00:00	☾	19°14'28" ♂	21°07'39"	03°44'19"	11°59'06"	0.003
16/04/2029 00:00:00	♋	14°54'13" ♂	18°25'59"	02°13'36"	01°26'30"	1.001
16/04/2029 00:00:00	♌	02°12'42" ♂	11°26'20"	-00°51'10"	01°14'13"	1.714
16/04/2029 00:00:00	♍	27°27'41" ♃	03°21'15"	02°33'20"	-00°15'17"	0.678
16/04/2029 00:00:00	♎	22°03'00" ♃	-07°08'19"	01°33'37"	-00°07'40"	4.450
16/04/2029 00:00:00	♏	12°07'21" ♂	13°27'20"	-02°06'59"	00°07'31"	10.140
16/04/2029 00:00:00	♐	11°37'49" ♀	22°10'16"	-00°00'18"	00°02'42"	19.961
16/04/2029 00:00:00	♑	09°14'20" ♀	02°20'48"	-01°25'45"	00°02'11"	30.817
16/04/2029 00:00:00	♒	10°18'27" ♃	-22°52'26"	-05°25'36"	00°00'41"	36.490
16/04/2029 00:00:00	♓	07°12'14" ♂	-23°14'24"	00°00'00"	-00°09'22"	0.003
16/04/2029 00:00:00	♈	07°24'08" ♂	13°04'37"	-00°57'16"	00°03'43"	18.509
16/04/2029 00:00:00	♉	15°07'19" ♀	10°40'00"	05°06'43"	00°06'43"	0.003
16/04/2029 00:00:00	T♓	07°12'14" ♂	-23°14'24"	00°00'00"	-00°09'22"	0.003
16/04/2029 00:00:00	T♎	22°52'36" ♀	13°23'09"	04°50'31"	03°32'50"	0.003
16/04/2029 00:00:00	X	25°58'31" ♀	00°53'33"	-09°47'39"	00°00'39"	96.215
16/04/2029 00:00:00	Y	03°04'59" ♀	09°17'51"	-11°40'45"	00°00'40"	82.989
17/04/2029 00:00:00	☉	27°16'25" ♀	10°30'04"	00°00'00"	00°58'42"	1.004

Ephemerides year 2029

17/04/2029 00:00:00	♃	01°16'21" ♀	23°18'08"	02°57'13"	12°05'02"	0.003
17/04/2029 00:00:00	♆	16°18'22" ♂	18°58'00"	02°21'16"	01°21'44"	0.975
17/04/2029 00:00:00	♀	03°26'55" ♂	11°53'28"	-00°49'14"	01°14'12"	1.713
17/04/2029 00:00:00	♂	27°12'46" ♄	03°24'48"	02°30'44"	-00°14'33"	0.682
17/04/2029 00:00:00	♃	21°55'20" ♄	-07°05'30"	01°33'35"	-00°07'38"	4.451
17/04/2029 00:00:00	♃	12°14'53" ♂	13°29'42"	-02°06'53"	00°07'32"	10.144
17/04/2029 00:00:00	♃	11°40'33" ♀	22°10'38"	-00°00'17"	00°02'44"	19.973
17/04/2029 00:00:00	♃	09°16'31" ♀	02°21'39"	-01°25'46"	00°02'11"	30.812
17/04/2029 00:00:00	♃	10°19'08" ♃	-22°52'28"	-05°25'49"	00°00'39"	36.474
17/04/2029 00:00:00	♃	07°04'16" ♃	-23°14'49"	00°00'00"	-00°06'32"	0.003
17/04/2029 00:00:00	♃	07°27'52" ♂	13°05'46"	-00°57'20"	00°03'44"	18.511
17/04/2029 00:00:00	♃	15°14'03" ♀	10°42'31"	05°06'37"	00°06'43"	0.003
17/04/2029 00:00:00	♃	07°04'16" ♃	-23°14'49"	00°00'00"	-00°06'32"	0.003
17/04/2029 00:00:00	♃	26°27'36" ♀	14°38'11"	04°45'22"	03°34'56"	0.003
17/04/2029 00:00:00	X	25°59'11" ♀	00°53'49"	-09°47'37"	00°00'39"	96.215
17/04/2029 00:00:00	Y	03°05'40" ♀	09°18'03"	-11°40'39"	00°00'41"	82.998
18/04/2029 00:00:00	♃	28°15'06" ♀	10°51'05"	00°00'00"	00°58'40"	1.004
18/04/2029 00:00:00	♃	13°25'25" ♀	24°25'00"	02°01'28"	12°13'32"	0.003
18/04/2029 00:00:00	♆	17°37'39" ♂	19°27'21"	02°28'08"	01°16'48"	0.950

Ephemerides year 2029

18/04/2029 00:00:00	♀	04°41'07" ♉	12°20'20"	-00°47'16"	01°14'11"	1.712
18/04/2029 00:00:00	♂	26°58'34" ♉	03°28'03"	02°28'08"	-00°13'49"	0.685
18/04/2029 00:00:00	♃	21°47'42" ♉	-07°02'43"	01°33'31"	-00°07'37"	4.452
18/04/2029 00:00:00	♅	12°22'27" ♉	13°32'04"	-02°06'48"	00°07'34"	10.148
18/04/2029 00:00:00	♁	11°43'18" ♉	22°11'01"	-00°00'17"	00°02'46"	19.985
18/04/2029 00:00:00	♃	09°18'42" ♉	02°22'29"	-01°25'47"	00°02'10"	30.807
18/04/2029 00:00:00	♁	10°19'47" ♉	-22°52'30"	-05°26'02"	00°00'38"	36.458
18/04/2029 00:00:00	♁	06°59'10" ♉	-23°15'05"	00°00'00"	-00°03'43"	0.003
18/04/2029 00:00:00	♃	07°31'37" ♉	13°06'55"	-00°57'24"	00°03'45"	18.514
18/04/2029 00:00:00	♁	15°20'46" ♉	10°45'02"	05°06'30"	00°06'43"	0.003
18/04/2029 00:00:00	♁	06°59'10" ♉	-23°15'05"	00°00'00"	-00°03'43"	0.003
18/04/2029 00:00:00	♁	29°57'12" ♉	15°48'23"	04°39'18"	03°21'19"	0.003
18/04/2029 00:00:00	X	25°59'50" ♉	00°54'04"	-09°47'35"	00°00'39"	96.215
18/04/2029 00:00:00	Y	03°06'21" ♉	09°18'16"	-11°40'34"	00°00'41"	83.008
19/04/2029 00:00:00	♁	29°13'46" ♉	11°11'55"	00°00'00"	00°58'38"	1.004
19/04/2029 00:00:00	♁	25°44'30" ♉	24°21'12" ♁	00°59'11"	12°25'13"	0.003
19/04/2029 00:00:00	♃	18°51'55" ♉	19°54'01"	02°34'10"	01°11'43"	0.925
19/04/2029 00:00:00	♀	05°55'18" ♉	12°46'53"	-00°45'16"	01°14'10"	1.711
19/04/2029 00:00:00	♂	26°45'06" ♉	03°30'59"	02°25'30"	-00°13'04"	0.689

Ephemerides year 2029

19/04/2029 00:00:00	♈	21°40'06"	♈	-06°59'57"	01°33'28"	-00°07'35"	4.454
19/04/2029 00:00:00	♉	12°30'01"	♈	13°34'26"	-02°06'44"	00°07'35"	10.152
19/04/2029 00:00:00	♊	11°46'06"	♈	22°11'24"	-00°00'16"	00°02'48"	19.996
19/04/2029 00:00:00	♋	09°20'52"	♈	02°23'19"	-01°25'49"	00°02'09"	30.802
19/04/2029 00:00:00	♌	10°20'24"	♈	-22°52'33"	-05°26'16"	00°00'36"	36.442
19/04/2029 00:00:00	♍	06°56'40"	♈	-23°15'13"	00°00'00"	-00°01'22"	0.002
19/04/2029 00:00:00	♎	07°35'22"	♈	13°08'04"	-00°57'28"	00°03'45"	18.516
19/04/2029 00:00:00	♏	15°27'30"	♈	10°47'33"	05°06'24"	00°06'43"	0.003
19/04/2029 00:00:00	♐	06°56'40"	♈	-23°15'13"	00°00'00"	-00°01'22"	0.002
19/04/2029 00:00:00	♑	03°04'03"	♈	16°48'17"	04°33'00"	02°49'12"	0.003
19/04/2029 00:00:00	♒	26°00'30"	♈	00°54'20"	-09°47'34"	00°00'39"	96.214
19/04/2029 00:00:00	♓	03°07'03"	♈	09°18'29"	-11°40'28"	00°00'41"	83.017
20/04/2029 00:00:00	♈	00°12'23"	♈	11°32'34"	-00°00'00"	00°58'36"	1.005
20/04/2029 00:00:00	♉	08°17'05"	♈	23°03'26"	-00°07'11"	12°40'37"	0.003
20/04/2029 00:00:00	♊	20°01'03"	♈	20°17'58"	02°39'18"	01°06'30"	0.900
20/04/2029 00:00:00	♋	07°09'28"	♈	13°13'08"	-00°43'13"	01°14'08"	1.710
20/04/2029 00:00:00	♌	26°32'25"	♈	03°33'36"	02°22'51"	-00°12'18"	0.693
20/04/2029 00:00:00	♍	21°32'32"	♈	-06°57'12"	01°33'23"	-00°07'32"	4.456
20/04/2029 00:00:00	♎	12°37'37"	♈	13°36'48"	-02°06'39"	00°07'36"	10.156

Ephemerides year 2029

20/04/2029 00:00:00	♃	11°48'55" ♀	22°11'48"	-00°00'16"	00°02'50"	20.008
20/04/2029 00:00:00	♃	09°23'02" ♂	02°24'09"	-01°25'50"	00°02'09"	30.796
20/04/2029 00:00:00	♃	10°20'59" ♀	-22°52'36"	-05°26'30"	00°00'34"	36.426
20/04/2029 00:00:00	♃	06°56'07" ♂	-23°15'15"	00°00'00"	00°00'06"	0.002
20/04/2029 00:00:00	♃	07°39'08" ♂	13°09'13"	-00°57'32"	00°03'45"	18.517
20/04/2029 00:00:00	♃	15°34'13" ♂	10°50'04"	05°06'17"	00°06'43"	0.003
20/04/2029 00:00:00	♃	06°56'07" ♂	-23°15'15"	00°00'00"	00°00'06"	0.002
20/04/2029 00:00:00	♃	05°29'27" ♂	17°33'02"	04°27'33"	01°58'40"	0.003
20/04/2029 00:00:00	X	26°01'09" ♂	00°54'36"	-09°47'32"	00°00'39"	96.213
20/04/2029 00:00:00	Y	03°07'45" ♀	09°18'41"	-11°40'23"	00°00'42"	83.025
21/04/2029 00:00:00	♃	01°10'58" ♂	11°53'01"	-00°00'00"	00°58'33"	1.005
21/04/2029 00:00:00	♃	21°07'04" ♀	20°32'45"	-01°14'48"	13°00'00"	0.003
21/04/2029 00:00:00	♃	21°04'54" ♂	20°39'13"	02°43'30"	01°01'11"	0.876
21/04/2029 00:00:00	♃	08°23'36" ♂	13°39'04"	-00°41'08"	01°14'07"	1.708
21/04/2029 00:00:00	♃	26°20'29" ♀	03°35'55"	02°20'12"	-00°11'32"	0.697
21/04/2029 00:00:00	♃	21°25'01" ♀	-06°54'28"	01°33'19"	-00°07'30"	4.458
21/04/2029 00:00:00	♃	12°45'13" ♂	13°39'09"	-02°06'34"	00°07'36"	10.159
21/04/2029 00:00:00	♃	11°51'46" ♀	22°12'11"	-00°00'15"	00°02'52"	20.019
21/04/2029 00:00:00	♃	09°25'11" ♂	02°24'58"	-01°25'51"	00°02'08"	30.790

Ephemerides year 2029

21/04/2029 00:00:00	♁	10°21'34" ♁	-22°52'39"	-05°26'43"	00°00'33"	36.410
21/04/2029 00:00:00	♁	06°56'32" ♁	-23°15'14"	00°00'00"	00°00'31"	0.002
21/04/2029 00:00:00	♁	07°42'54" ♁	13°10'22"	-00°57'36"	00°03'46"	18.519
21/04/2029 00:00:00	♁	15°40'56" ♁	10°52'35"	05°06'11"	00°06'43"	0.003
21/04/2029 00:00:00	♁	06°56'32" ♁	-23°15'14"	00°00'00"	00°00'31"	0.002
21/04/2029 00:00:00	♁	06°56'22" ♁	17°58'57"	04°24'05"	00°53'10"	0.003
21/04/2029 00:00:00	X	26°01'49" ♁	00°54'51"	-09°47'30"	00°00'39"	96.212
21/04/2029 00:00:00	Y	03°08'28" ♁	09°18'54"	-11°40'18"	00°00'42"	83.034
22/04/2029 00:00:00	♁	02°09'30" ♁	12°13'17"	-00°00'00"	00°58'31"	1.005
22/04/2029 00:00:00	♁	04°18'22" ♁	16°54'22"	-02°20'22"	13°23'09"	0.003
22/04/2029 00:00:00	♁	22°03'23" ♁	20°57'44"	02°46'41"	00°55'45"	0.852
22/04/2029 00:00:00	♁	09°37'43" ♁	14°04'39"	-00°39'02"	01°14'06"	1.707
22/04/2029 00:00:00	♁	26°09'20" ♁	03°37'54"	02°17'32"	-00°10'45"	0.701
22/04/2029 00:00:00	♁	21°17'32" ♁	-06°51'45"	01°33'14"	-00°07'27"	4.461
22/04/2029 00:00:00	♁	12°52'51" ♁	13°41'31"	-02°06'30"	00°07'37"	10.163
22/04/2029 00:00:00	♁	11°54'39" ♁	22°12'35"	-00°00'15"	00°02'53"	20.030
22/04/2029 00:00:00	♁	09°27'19" ♁	02°25'47"	-01°25'53"	00°02'07"	30.784
22/04/2029 00:00:00	♁	10°22'06" ♁	-22°52'43"	-05°26'57"	00°00'31"	36.394
22/04/2029 00:00:00	♁	06°56'47" ♁	-23°15'13"	00°00'00"	-00°00'12"	0.002

Ephemerides year 2029

22/04/2029 00:00:00	♄	07°46'40" ♈	13°11'32"	-00°57'40"	00°03'46"	18.520
22/04/2029 00:00:00	♁	15°47'40" ♈	10°55'05"	05°06'04"	00°06'43"	0.003
22/04/2029 00:00:00	♁♁	06°56'47" ♈	-23°15'13"	00°00'00"	-00°00'12"	0.002
22/04/2029 00:00:00	♁♁	07°13'28" ♈	18°04'00"	04°23'23"	-00°19'05"	0.003
22/04/2029 00:00:00	X	26°02'28" ♈	00°55'06"	-09°47'29"	00°00'39"	96.210
22/04/2029 00:00:00	Y	03°09'11" ♀	09°19'06"	-11°40'14"	00°00'43"	83.042
23/04/2029 00:00:00	♁	03°08'01" ♈	12°33'21"	-00°00'00"	00°58'29"	1.005
23/04/2029 00:00:00	♁	17°54'21" ♈	12°17'09"	-03°20'05"	13°49'08"	0.003
23/04/2029 00:00:00	♁	22°56'24" ♈	21°13'33"	02°48'50"	00°50'15"	0.828
23/04/2029 00:00:00	♁	10°51'48" ♈	14°29'54"	-00°36'53"	01°14'04"	1.706
23/04/2029 00:00:00	♁	25°58'58" ♈	03°39'35"	02°14'53"	-00°09'58"	0.706
23/04/2029 00:00:00	♁	21°10'07" ♈	-06°49'03"	01°33'09"	-00°07'23"	4.463
23/04/2029 00:00:00	♁	13°00'29" ♈	13°43'52"	-02°06'26"	00°07'38"	10.166
23/04/2029 00:00:00	♁	11°57'34" ♀	22°12'59"	-00°00'14"	00°02'55"	20.041
23/04/2029 00:00:00	♁	09°29'27" ♈	02°26'36"	-01°25'54"	00°02'07"	30.777
23/04/2029 00:00:00	♁	10°22'37" ♁	-22°52'48"	-05°27'10"	00°00'29"	36.378
23/04/2029 00:00:00	♁	06°55'49" ♈	-23°15'16"	00°00'00"	-00°01'52"	0.002
23/04/2029 00:00:00	♁	07°50'27" ♈	13°12'41"	-00°57'44"	00°03'46"	18.521
23/04/2029 00:00:00	♁	15°54'23" ♈	10°57'35"	05°05'57"	00°06'43"	0.003

Ephemerides year 2029

23/04/2029 00:00:00	T♄	06°55'49" ♉	-23°15'16"	00°00'00"	-00°01'52"	0.002
23/04/2029 00:00:00	T♄	06°20'31" ♉	17°48'22"	04°25'34"	-01°24'16"	0.003
23/04/2029 00:00:00	X	26°03'08" ♉	00°55'21"	-09°47'27"	00°00'39"	96.208
23/04/2029 00:00:00	Y	03°09'54" ♉	09°19'18"	-11°40'09"	00°00'43"	83.050
24/04/2029 00:00:00	☉	04°06'29" ♉	12°53'12"	-00°00'00"	00°58'27"	1.006
24/04/2029 00:00:00	☾	01°57'01" ♉	06°53'13"	-04°09'49"	14°16'09"	0.002
24/04/2029 00:00:00	♃	23°43'52" ♉	21°26'41"	02°49'54"	00°44'40"	0.805
24/04/2029 00:00:00	♀	12°05'53" ♉	14°54'47"	-00°34'42"	01°14'03"	1.704
24/04/2029 00:00:00	♂	25°49'23" ♉	03°40'56"	02°12'13"	-00°09'11"	0.710
24/04/2029 00:00:00	♂	21°02'45" ♉	-06°46'24"	01°33'03"	-00°07'20"	4.467
24/04/2029 00:00:00	♃	13°08'07" ♉	13°46'13"	-02°06'22"	00°07'39"	10.168
24/04/2029 00:00:00	♃	12°00'30" ♉	22°13'23"	-00°00'14"	00°02'57"	20.051
24/04/2029 00:00:00	♃	09°31'34" ♉	02°27'25"	-01°25'56"	00°02'06"	30.771
24/04/2029 00:00:00	♃	10°23'06" ♉	-22°52'53"	-05°27'24"	00°00'28"	36.362
24/04/2029 00:00:00	♄	06°52'51" ♉	-23°15'25"	00°00'00"	-00°04'05"	0.002
24/04/2029 00:00:00	♃	07°54'14" ♉	13°13'50"	-00°57'48"	00°03'46"	18.521
24/04/2029 00:00:00	♃	16°01'06" ♉	11°00'05"	05°05'50"	00°06'43"	0.003
24/04/2029 00:00:00	T♄	06°52'51" ♉	-23°15'25"	00°00'00"	-00°04'05"	0.002
24/04/2029 00:00:00	T♄	04°32'34" ♉	17°15'47"	04°29'48"	-02°06'49"	0.003



Ephemerides year 2029

24/04/2029 00:00:00	X	26°03'47" ♀	00°55'36"	-09°47'26"	00°00'39"	96.206
24/04/2029 00:00:00	Y	03°10'38" ♀	09°19'31"	-11°40'04"	00°00'43"	83.058
25/04/2029 00:00:00	☉	05°04'55" ♂	13°12'50"	-00°00'00"	00°58'24"	1.006
25/04/2029 00:00:00	☾	16°26'06" ♀	00°58'07"	-04°45'18"	14°41'27"	0.002
25/04/2029 00:00:00	♀	24°25'44" ♂	21°37'07"	02°49'51"	00°39'02"	0.783
25/04/2029 00:00:00	♀	13°19'55" ♂	15°19'18"	-00°32'30"	01°14'02"	1.703
25/04/2029 00:00:00	♂	25°40'36" ♀	03°41'59"	02°09'33"	-00°08'23"	0.715
25/04/2029 00:00:00	♃	20°55'26" ♀	-06°43'45"	01°32'57"	-00°07'16"	4.470
25/04/2029 00:00:00	♅	13°15'47" ♂	13°48'33"	-02°06'18"	00°07'39"	10.171
25/04/2029 00:00:00	♁	12°03'28" ♀	22°13'47"	-00°00'13"	00°02'58"	20.061
25/04/2029 00:00:00	♃	09°33'40" ♀	02°28'13"	-01°25'57"	00°02'05"	30.764
25/04/2029 00:00:00	♁	10°23'33" ♀	-22°52'58"	-05°27'38"	00°00'26"	36.346
25/04/2029 00:00:00	♁	06°47'36" ♀	-23°15'42"	00°00'00"	-00°06'21"	0.002
25/04/2029 00:00:00	♁	07°58'01" ♂	13°14'59"	-00°57'53"	00°03'47"	18.522
25/04/2029 00:00:00	♁	16°07'50" ♀	11°02'34"	05°05'42"	00°06'43"	0.003
25/04/2029 00:00:00	T♁	06°47'36" ♀	-23°15'42"	00°00'00"	-00°06'21"	0.002
25/04/2029 00:00:00	T♁	02°17'13" ♂	16°33'34"	04°34'43"	-02°18'56"	0.003
25/04/2029 00:00:00	X	26°04'26" ♀	00°55'51"	-09°47'25"	00°00'39"	96.203
25/04/2029 00:00:00	Y	03°11'22" ♀	09°19'43"	-11°40'00"	00°00'44"	83.066

Ephemerides year 2029

26/04/2029 00:00:00	♈	06°03'19" ♀	13°32'15"	-00°00'00"	00°58'22"	1.006
26/04/2029 00:00:00	♉	01°18'14" ♀	-05°08'49"	-05°02'44"	15°01'40"	0.002
26/04/2029 00:00:00	♊	25°01'56" ♀	21°44'53"	02°48'39"	00°33'21"	0.762
26/04/2029 00:00:00	♋	14°33'57" ♀	15°43'26"	-00°30'16"	01°14'00"	1.702
26/04/2029 00:00:00	♌	25°32'36" ♀	03°42'44"	02°06'54"	-00°07'35"	0.720
26/04/2029 00:00:00	♍	20°48'12" ♀	-06°41'09"	01°32'51"	-00°07'12"	4.474
26/04/2029 00:00:00	♎	13°23'27" ♀	13°50'54"	-02°06'14"	00°07'40"	10.173
26/04/2029 00:00:00	♏	12°06'28" ♀	22°14'11"	-00°00'12"	00°03'00"	20.072
26/04/2029 00:00:00	♐	09°35'45" ♀	02°29'00"	-01°25'59"	00°02'04"	30.757
26/04/2029 00:00:00	♑	10°23'59" ♀	-22°53'04"	-05°27'52"	00°00'24"	36.330
26/04/2029 00:00:00	♒	06°40'18" ♀	-23°16'04"	00°00'00"	-00°08'06"	0.002
26/04/2029 00:00:00	♓	08°01'48" ♀	13°16'08"	-00°57'57"	00°03'47"	18.522
26/04/2029 00:00:00	♈	16°14'33" ♀	11°05'04"	05°05'35"	00°06'43"	0.003
26/04/2029 00:00:00	♉	06°40'18" ♀	-23°16'04"	00°00'00"	-00°08'06"	0.002
26/04/2029 00:00:00	♊	00°02'38" ♀	15°50'15"	04°39'14"	-02°07'35"	0.003
26/04/2029 00:00:00	♋	26°05'05" ♀	00°56'06"	-09°47'24"	00°00'38"	96.200
26/04/2029 00:00:00	♌	03°12'06" ♀	09°19'55"	-11°39'55"	00°00'44"	83.073
27/04/2029 00:00:00	♈	07°01'41" ♀	13°51'27"	-00°00'00"	00°58'20"	1.006
27/04/2029 00:00:00	♉	16°26'40" ♀	-11°04'13"	-04°59'34"	15°13'33"	0.002

Ephemerides year 2029

27/04/2029 00:00:00	♀	25°32'27" ♈	21°50'00"	02°46'16"	00°27'40"	0.741
27/04/2029 00:00:00	♀	15°47'57" ♈	16°07'10"	-00°28'00"	01°13'59"	1.700
27/04/2029 00:00:00	♂	25°25'24" ♉	03°43'09"	02°04'15"	-00°06'48"	0.724
27/04/2029 00:00:00	♋	20°41'02" ♉	-06°38'34"	01°32'44"	-00°07'07"	4.478
27/04/2029 00:00:00	♌	13°31'07" ♈	13°53'14"	-02°06'11"	00°07'40"	10.175
27/04/2029 00:00:00	♍	12°09'29" ♉	22°14'35"	-00°00'12"	00°03'01"	20.081
27/04/2029 00:00:00	♎	09°37'49" ♉	02°29'48"	-01°26'00"	00°02'03"	30.749
27/04/2029 00:00:00	♏	10°24'23" ♏	-22°53'11"	-05°28'05"	00°00'23"	36.314
27/04/2029 00:00:00	♏	06°31'42" ♏	-23°16'29"	00°00'00"	-00°08'54"	0.002
27/04/2029 00:00:00	♏	08°05'35" ♈	13°17'17"	-00°58'01"	00°03'47"	18.521
27/04/2029 00:00:00	♏	16°21'16" ♉	11°07'33"	05°05'27"	00°06'43"	0.003
27/04/2029 00:00:00	T♏	06°31'42" ♏	-23°16'29"	00°00'00"	-00°08'54"	0.002
27/04/2029 00:00:00	T♏	28°04'01" ♉	15°11'05"	04°42'57"	-01°50'15"	0.003
27/04/2029 00:00:00	X	26°05'44" ♉	00°56'21"	-09°47'23"	00°00'38"	96.197
27/04/2029 00:00:00	Y	03°12'50" ♉	09°20'07"	-11°39'51"	00°00'44"	83.080
28/04/2029 00:00:00	♏	08°00'01" ♈	14°10'25"	-00°00'00"	00°58'19"	1.007
28/04/2029 00:00:00	♏	01°41'49" ♉	-16°21'39"	-04°35'15"	15°14'53"	0.002
28/04/2029 00:00:00	♀	25°57'17" ♈	21°52'30"	02°42'40"	00°21'58"	0.722
28/04/2029 00:00:00	♀	17°01'56" ♈	16°30'30"	-00°25'43"	01°13'58"	1.698

Ephemerides year 2029

28/04/2029 00:00:00	♂	25°18'59" ♎	03°43'16"	02°01'36"	-00°06'01"	0.729
28/04/2029 00:00:00	♃	20°33'57" ♈	-06°36'01"	01°32'37"	-00°07'03"	4.482
28/04/2029 00:00:00	♅	13°38'48" ♄	13°55'34"	-02°06'08"	00°07'41"	10.177
28/04/2029 00:00:00	♁	12°12'31" ♋	22°15'00"	-00°00'11"	00°03'03"	20.091
28/04/2029 00:00:00	♆	09°39'53" ♀	02°30'34"	-01°26'02"	00°02'03"	30.741
28/04/2029 00:00:00	♁	10°24'45" ♋	-22°53'18"	-05°28'19"	00°00'21"	36.297
28/04/2029 00:00:00	♁	06°22'52" ♈	-23°16'55"	00°00'00"	-00°08'33"	0.003
28/04/2029 00:00:00	♃	08°09'22" ♄	13°18'26"	-00°58'06"	00°03'47"	18.521
28/04/2029 00:00:00	♁	16°27'59" ♀	11°10'02"	05°05'19"	00°06'43"	0.003
28/04/2029 00:00:00	♁	06°22'52" ♈	-23°16'55"	00°00'00"	-00°08'33"	0.003
28/04/2029 00:00:00	♁	26°18'37" ♀	14°35'39"	04°46'12"	-01°43'14"	0.003
28/04/2029 00:00:00	X	26°06'22" ♀	00°56'35"	-09°47'22"	00°00'38"	96.194
28/04/2029 00:00:00	Y	03°13'35" ♋	09°20'19"	-11°39'47"	00°00'45"	83.087
29/04/2029 00:00:00	♁	08°58'19" ♄	14°29'09"	-00°00'00"	00°58'17"	1.007
29/04/2029 00:00:00	♃	16°52'47" ♈	-20°34'24"	-03°51'34"	15°05'16"	0.002
29/04/2029 00:00:00	♁	26°16'25" ♄	21°52'22"	02°37'50"	00°16'18"	0.703
29/04/2029 00:00:00	♀	18°15'53" ♄	16°53'24"	-00°23'24"	01°13'57"	1.697
29/04/2029 00:00:00	♂	25°13'22" ♎	03°43'05"	01°58'58"	-00°05'13"	0.735
29/04/2029 00:00:00	♃	20°26'56" ♈	-06°33'30"	01°32'30"	-00°06'58"	4.486

Ephemerides year 2029

29/04/2029 00:00:00	♃	13°46'30" ♉	13°57'53"	-02°06'05"	00°07'41"	10.178
29/04/2029 00:00:00	♃	12°15'36" ♉	22°15'24"	-00°00'11"	00°03'04"	20.100
29/04/2029 00:00:00	♃	09°41'55" ♉	02°31'21"	-01°26'04"	00°02'02"	30.733
29/04/2029 00:00:00	♃	10°25'06" ♉	-22°53'25"	-05°28'33"	00°00'20"	36.281
29/04/2029 00:00:00	♃	06°14'56" ♉	-23°17'18"	00°00'00"	-00°07'08"	0.003
29/04/2029 00:00:00	♃	08°13'10" ♉	13°19'35"	-00°58'10"	00°03'47"	18.520
29/04/2029 00:00:00	♃	16°34'43" ♉	11°12'31"	05°05'11"	00°06'43"	0.003
29/04/2029 00:00:00	♃	06°14'56" ♉	-23°17'18"	00°00'00"	-00°07'08"	0.003
29/04/2029 00:00:00	♃	24°31'30" ♉	13°59'08"	04°49'30"	-01°53'55"	0.003
29/04/2029 00:00:00	X	26°07'01" ♉	00°56'49"	-09°47'21"	00°00'38"	96.190
29/04/2029 00:00:00	Y	03°14'21" ♉	09°20'31"	-11°39'43"	00°00'45"	83.093
30/04/2029 00:00:00	♃	09°56'35" ♉	14°47'39"	-00°00'00"	00°58'15"	1.007
30/04/2029 00:00:00	♃	01°49'13" ♉	-23°20'19"	-02°52'31"	14°46'14"	0.002
30/04/2029 00:00:00	♃	26°29'55" ♉	21°49'40"	02°31'46"	00°10'41"	0.685
30/04/2029 00:00:00	♃	19°29'50" ♉	17°15'53"	-00°21'04"	01°13'56"	1.695
30/04/2029 00:00:00	♃	25°08'31" ♉	03°42'36"	01°56'21"	-00°04'26"	0.740
30/04/2029 00:00:00	♃	20°20'00" ♉	-06°31'01"	01°32'22"	-00°06'52"	4.491
30/04/2029 00:00:00	♃	13°54'12" ♉	14°00'12"	-02°06'02"	00°07'42"	10.180
30/04/2029 00:00:00	♃	12°18'41" ♉	22°15'49"	-00°00'10"	00°03'06"	20.110

Ephemerides year 2029

30/04/2029 00:00:00	♃	09°43'57"	♄	02°32'07"	-01°26'05"	00°02'01"	30.725
30/04/2029 00:00:00	♅	10°25'26"	♁	-22°53'33"	-05°28'47"	00°00'18"	36.265
30/04/2029 00:00:00	♄	06°08'49"	♁	-23°17'35"	00°00'00"	-00°05'00"	0.003
30/04/2029 00:00:00	♃	08°16'57"	♄	13°20'44"	-00°58'15"	00°03'47"	18.519
30/04/2029 00:00:00	♁	16°41'26"	♄	11°15'00"	05°05'03"	00°06'43"	0.003
30/04/2029 00:00:00	T♄	06°08'49"	♁	-23°17'35"	00°00'00"	-00°05'00"	0.003
30/04/2029 00:00:00	T♁	22°26'11"	♄	13°15'42"	04°53'12"	-02°18'03"	0.003
30/04/2029 00:00:00	X	26°07'40"	♄	00°57'04"	-09°47'20"	00°00'38"	96.187
30/04/2029 00:00:00	Y	03°15'06"	♁	09°20'43"	-11°39'39"	00°00'45"	83.100
01/05/2029 00:00:00	♄	10°54'50"	♄	15°05'54"	-00°00'00"	00°58'14"	1.007
01/05/2029 00:00:00	♃	16°23'06"	♂	-24°27'14"	01°43'24"	14°20'45"	0.002
01/05/2029 00:00:00	♁	26°37'51"	♄	21°44'26"	02°24'27"	00°05'10"	0.668
01/05/2029 00:00:00	♁	20°43'46"	♄	17°37'55"	-00°18'43"	01°13'54"	1.693
01/05/2029 00:00:00	♂	25°04'28"	♁	03°41'49"	01°53'44"	-00°03'39"	0.745
01/05/2029 00:00:00	♁	20°13'10"	♁	-06°28'35"	01°32'14"	-00°06'47"	4.496
01/05/2029 00:00:00	♁	14°01'54"	♄	14°02'31"	-02°05'59"	00°07'42"	10.181
01/05/2029 00:00:00	♁	12°21'48"	♁	22°16'14"	-00°00'10"	00°03'07"	20.118
01/05/2029 00:00:00	♃	09°45'58"	♄	02°32'53"	-01°26'07"	00°02'00"	30.717
01/05/2029 00:00:00	♅	10°25'44"	♁	-22°53'41"	-05°29'01"	00°00'16"	36.249

Ephemerides year 2029

01/05/2029 00:00:00	♏	06°04'58" ♁	-23°17'45"	00°00'00"	-00°02'40"	0.003
01/05/2029 00:00:00	♋	08°20'45" ♁	13°21'52"	-00°58'19"	00°03'47"	18.518
01/05/2029 00:00:00	♌	16°48'10" ♁	11°17'28"	05°04'55"	00°06'43"	0.003
01/05/2029 00:00:00	♏	06°04'58" ♁	-23°17'45"	00°00'00"	-00°02'40"	0.003
01/05/2029 00:00:00	♌	19°55'24" ♁	12°22'17"	04°57'13"	-02°42'04"	0.003
01/05/2029 00:00:00	X	26°08'18" ♁	00°57'18"	-09°47'20"	00°00'38"	96.182
01/05/2029 00:00:00	Y	03°15'52" ♀	09°20'55"	-11°39'36"	00°00'46"	83.106
02/05/2029 00:00:00	♁	11°53'03" ♁	15°23'54"	-00°00'00"	00°58'12"	1.008
02/05/2029 00:00:00	♎	00°29'43" ♁	-23°55'53"	-00°29'47"	13°52'14"	0.002
02/05/2029 00:00:00	♌	26°40'20" ♁	21°36'42"	02°15'54"	-00°00'12"	0.653
02/05/2029 00:00:00	♍	21°57'40" ♁	17°59'29"	-00°16'20"	01°13'53"	1.692
02/05/2029 00:00:00	♂	25°01'11" ♁	03°40'44"	01°51'09"	-00°02'53"	0.751
02/05/2029 00:00:00	♉	20°06'26" ♁	-06°26'11"	01°32'06"	-00°06'41"	4.502
02/05/2029 00:00:00	♎	14°09'37" ♁	14°04'50"	-02°05'56"	00°07'42"	10.181
02/05/2029 00:00:00	♎	12°24'57" ♀	22°16'39"	-00°00'09"	00°03'09"	20.127
02/05/2029 00:00:00	♍	09°47'59" ♁	02°33'39"	-01°26'09"	00°01'59"	30.708
02/05/2029 00:00:00	♌	10°26'00" ♁	-22°53'50"	-05°29'14"	00°00'15"	36.233
02/05/2029 00:00:00	♏	06°03'22" ♁	-23°17'50"	00°00'00"	-00°00'38"	0.003
02/05/2029 00:00:00	♋	08°24'32" ♁	13°23'01"	-00°58'24"	00°03'47"	18.516

Ephemerides year 2029

02/05/2029 00:00:00	☾	16°54'53" ♀	11°19'56"	05°04'47"	00°06'43"	0.003
02/05/2029 00:00:00	♁	06°03'22" ♂	-23°17'50"	00°00'00"	-00°00'38"	0.003
02/05/2029 00:00:00	♁	17°07'38" ♀	11°21'24"	05°01'01"	-02°49'33"	0.003
02/05/2029 00:00:00	X	26°08'57" ♀	00°57'32"	-09°47'19"	00°00'38"	96.178
02/05/2029 00:00:00	Υ	03°16'39" ♀	09°21'06"	-11°39'32"	00°00'46"	83.112
03/05/2029 00:00:00	☉	12°51'15" ♂	15°41'39"	00°00'00"	00°58'11"	1.008
03/05/2029 00:00:00	☾	14°07'37" ♂	-21°58'12"	00°43'14"	13°23'47"	0.003
03/05/2029 00:00:00	♁	26°37'30" ♂	21°26'33"	02°06'08"	-00°05'24"	0.638
03/05/2029 00:00:00	♀	23°11'33" ♂	18°20'36"	-00°13'57"	01°13'52"	1.690
03/05/2029 00:00:00	♂	24°58'41" ♀	03°39'22"	01°48'34"	-00°02'07"	0.756
03/05/2029 00:00:00	♃	19°59'47" ♀	-06°23'49"	01°31'57"	-00°06'35"	4.507
03/05/2029 00:00:00	♅	14°17'20" ♂	14°07'08"	-02°05'54"	00°07'42"	10.182
03/05/2029 00:00:00	♁	12°28'07" ♀	22°17'04"	-00°00'09"	00°03'10"	20.136
03/05/2029 00:00:00	♁	09°49'58" ♀	02°34'24"	-01°26'11"	00°01'58"	30.699
03/05/2029 00:00:00	♁	10°26'14" ♀	-22°53'59"	-05°29'28"	00°00'13"	36.216
03/05/2029 00:00:00	♁	06°03'28" ♂	-23°17'49"	00°00'00"	00°00'41"	0.003
03/05/2029 00:00:00	♁	08°28'19" ♂	13°24'09"	-00°58'28"	00°03'47"	18.514
03/05/2029 00:00:00	☾	17°01'37" ♀	11°22'24"	05°04'38"	00°06'43"	0.003
03/05/2029 00:00:00	♁	06°03'28" ♂	-23°17'49"	00°00'00"	00°00'41"	0.003



Ephemerides year 2029

03/05/2029 00:00:00	T♄	14°25'08" ♏	10°21'01"	05°03'57"	-02°30'59"	0.003
03/05/2029 00:00:00	X	26°09'35" ♏	00°57'45"	-09°47'19"	00°00'38"	96.173
03/05/2029 00:00:00	Y	03°17'25" ♏	09°21'18"	-11°39'29"	00°00'46"	83.117
04/05/2029 00:00:00	☉	13°49'25" ♏	15°59'09"	00°00'00"	00°58'09"	1.008
04/05/2029 00:00:00	☾	27°18'06" ♏	-18°52'17"	01°51'36"	12°57'44"	0.003
04/05/2029 00:00:00	♀	26°29'36" ♏	21°14'02"	01°55'10"	-00°10'22"	0.624
04/05/2029 00:00:00	♀	24°25'26" ♏	18°41'14"	-00°11'32"	01°13'51"	1.688
04/05/2029 00:00:00	♂	24°56'57" ♏	03°37'42"	01°46'00"	-00°01'21"	0.762
04/05/2029 00:00:00	♃	19°53'15" ♏	-06°21'30"	01°31'48"	-00°06'29"	4.513
04/05/2029 00:00:00	♅	14°25'03" ♏	14°09'26"	-02°05'52"	00°07'42"	10.182
04/05/2029 00:00:00	♁	12°31'18" ♏	22°17'29"	-00°00'08"	00°03'11"	20.144
04/05/2029 00:00:00	♆	09°51'56" ♏	02°35'08"	-01°26'13"	00°01'57"	30.690
04/05/2029 00:00:00	♄	10°26'27" ♏	-22°54'09"	-05°29'42"	00°00'11"	36.200
04/05/2029 00:00:00	♁	06°04'26" ♏	-23°17'47"	00°00'00"	00°01'04"	0.003
04/05/2029 00:00:00	♂	08°32'06" ♏	13°25'18"	-00°58'33"	00°03'46"	18.512
04/05/2029 00:00:00	♁	17°08'20" ♏	11°24'52"	05°04'29"	00°06'43"	0.003
04/05/2029 00:00:00	T♁	06°04'26" ♏	-23°17'47"	00°00'00"	00°01'04"	0.003
04/05/2029 00:00:00	T♄	12°13'22" ♏	09°31'08"	05°05'47"	-01°49'36"	0.003
04/05/2029 00:00:00	X	26°10'13" ♏	00°57'59"	-09°47'19"	00°00'37"	96.168

Ephemerides year 2029

04/05/2029 00:00:00	Y	03°18'12" ♀	09°21'29"	-11°39'25"	00°00'46"	83.122
05/05/2029 00:00:00	☉	14°47'34" ♀	16°16'22"	00°00'00"	00°58'08"	1.009
05/05/2029 00:00:00	☾	10°04'23" ♀	-14°57'03"	02°52'18"	12°35'32"	0.003
05/05/2029 00:00:00	♀	26°16'51" ♀	20°59'16"	01°43'04"	-00°15'04"	0.612
05/05/2029 00:00:00	♀	25°39'17" ♀	19°01'22"	-00°09'07"	01°13'50"	1.686
05/05/2029 00:00:00	♂	24°55'58" ♀	03°35'45"	01°43'28"	-00°00'35"	0.767
05/05/2029 00:00:00	♃	19°46'48" ♀	-06°19'13"	01°31'39"	-00°06'23"	4.520
05/05/2029 00:00:00	♄	14°32'45" ♀	14°11'43"	-02°05'50"	00°07'42"	10.182
05/05/2029 00:00:00	♅	12°34'31" ♀	22°17'55"	-00°00'07"	00°03'13"	20.152
05/05/2029 00:00:00	♆	09°53'53" ♀	02°35'52"	-01°26'15"	00°01'56"	30.681
05/05/2029 00:00:00	♇	10°26'38" ♀	-22°54'19"	-05°29'56"	00°00'10"	36.184
05/05/2029 00:00:00	♈	06°05'18" ♀	-23°17'44"	00°00'00"	00°00'29"	0.003
05/05/2029 00:00:00	♉	08°35'53" ♀	13°26'26"	-00°58'37"	00°03'46"	18.510
05/05/2029 00:00:00	♊	17°15'03" ♀	11°27'20"	05°04'21"	00°06'43"	0.003
05/05/2029 00:00:00	T♋	06°05'18" ♀	-23°17'44"	00°00'00"	00°00'29"	0.003
05/05/2029 00:00:00	T♌	10°49'26" ♀	08°58'56"	05°06'39"	-00°57'40"	0.003
05/05/2029 00:00:00	X	26°10'51" ♀	00°58'13"	-09°47'19"	00°00'37"	96.163
05/05/2029 00:00:00	Y	03°18'59" ♀	09°21'41"	-11°39'22"	00°00'47"	83.127
06/05/2029 00:00:00	☉	15°45'42" ♀	16°33'20"	00°00'00"	00°58'06"	1.009

Ephemerides year 2029

06/05/2029 00:00:00	♃	22°30'43" ♊	-10°29'12"	03°43'12"	12°17'55"	0.003
06/05/2029 00:00:00	♆	25°59'34" ♄	20°42'22"	01°29'53"	-00°19'24"	0.600
06/05/2029 00:00:00	♀	26°53'07" ♀	19°21'00"	-00°06'41"	01°13'49"	1.684
06/05/2029 00:00:00	♂	24°55'45" ♈	03°33'31"	01°40'56"	00°00'09"	0.773
06/05/2029 00:00:00	♃	19°40'28" ♊	-06°16'59"	01°31'29"	-00°06'16"	4.526
06/05/2029 00:00:00	♄	14°40'28" ♄	14°14'00"	-02°05'48"	00°07'42"	10.182
06/05/2029 00:00:00	♃	12°37'45" ♊	22°18'20"	-00°00'07"	00°03'14"	20.160
06/05/2029 00:00:00	♃	09°55'49" ♈	02°36'36"	-01°26'17"	00°01'55"	30.671
06/05/2029 00:00:00	♃	10°26'48" ♊	-22°54'30"	-05°30'10"	00°00'08"	36.168
06/05/2029 00:00:00	♄	06°05'09" ♄	-23°17'45"	00°00'00"	-00°00'53"	0.003
06/05/2029 00:00:00	♄	08°39'40" ♄	13°27'33"	-00°58'42"	00°03'46"	18.507
06/05/2029 00:00:00	♃	17°21'47" ♈	11°29'47"	05°04'12"	00°06'43"	0.003
06/05/2029 00:00:00	♄	06°05'09" ♄	-23°17'45"	00°00'00"	-00°00'53"	0.003
06/05/2029 00:00:00	♃	10°17'12" ♈	08°46'25"	05°06'52"	-00°08'02"	0.003
06/05/2029 00:00:00	X	26°11'29" ♈	00°58'26"	-09°47'19"	00°00'37"	96.158
06/05/2029 00:00:00	Y	03°19'46" ♈	09°21'52"	-11°39'19"	00°00'47"	83.132
07/05/2029 00:00:00	♃	16°43'47" ♈	16°50'01"	00°00'00"	00°58'05"	1.009
07/05/2029 00:00:00	♃	04°41'48" ♈	-05°42'19"	04°22'50"	12°05'00"	0.003
07/05/2029 00:00:00	♆	25°38'09" ♄	20°23'30"	01°15'43"	-00°23'21"	0.590

Ephemerides year 2029

07/05/2029 00:00:00	♀	28°06'56" ♈	19°40'07"	-00°04'14"	01°13'48"	1.682
07/05/2029 00:00:00	♂	24°56'17" ♉	03°31'01"	01°38'26"	00°00'54"	0.779
07/05/2029 00:00:00	♋	19°34'15" ♌	-06°14'47"	01°31'19"	-00°06'09"	4.533
07/05/2029 00:00:00	♌	14°48'11" ♈	14°16'17"	-02°05'46"	00°07'42"	10.182
07/05/2029 00:00:00	♍	12°41'00" ♉	22°18'46"	-00°00'06"	00°03'15"	20.167
07/05/2029 00:00:00	♎	09°57'44" ♏	02°37'19"	-01°26'19"	00°01'54"	30.661
07/05/2029 00:00:00	♏	10°26'55" ♐	-22°54'41"	-05°30'24"	00°00'06"	36.152
07/05/2029 00:00:00	♐	06°03'20" ♑	-23°17'50"	00°00'00"	-00°02'48"	0.003
07/05/2029 00:00:00	♑	08°43'26" ♈	13°28'41"	-00°58'47"	00°03'45"	18.504
07/05/2029 00:00:00	♒	17°28'30" ♏	11°32'14"	05°04'02"	00°06'43"	0.003
07/05/2029 00:00:00	T♏	06°03'20" ♑	-23°17'50"	00°00'00"	-00°02'48"	0.003
07/05/2029 00:00:00	T♒	10°29'45" ♏	08°51'10"	05°06'39"	00°31'00"	0.003
07/05/2029 00:00:00	X	26°12'06" ♏	00°58'39"	-09°47'19"	00°00'37"	96.152
07/05/2029 00:00:00	Y	03°20'33" ♉	09°22'03"	-11°39'16"	00°00'47"	83.136
08/05/2029 00:00:00	☾	17°41'52" ♈	17°06'25"	00°00'00"	00°58'03"	1.009
08/05/2029 00:00:00	♌	16°42'13" ♌	-00°47'20"	04°50'14"	11°56'32"	0.003
08/05/2029 00:00:00	♍	25°12'59" ♈	20°02'49"	01°00'39"	-00°26'51"	0.581
08/05/2029 00:00:00	♀	29°20'44" ♈	19°58'42"	-00°01'47"	01°13'47"	1.680
08/05/2029 00:00:00	♂	24°57'33" ♉	03°28'13"	01°35'56"	00°01'38"	0.785

Ephemerides year 2029

08/05/2029 00:00:00	♃	19°28'09"	♈	-06°12'39"	01°31'09"	-00°06'02"	4.540
08/05/2029 00:00:00	♃	14°55'54"	♏	14°18'33"	-02°05'45"	00°07'42"	10.181
08/05/2029 00:00:00	♃	12°44'16"	♈	22°19'11"	-00°00'06"	00°03'16"	20.175
08/05/2029 00:00:00	♃	09°59'38"	♏	02°38'02"	-01°26'21"	00°01'53"	30.651
08/05/2029 00:00:00	♃	10°27'01"	♁	-22°54'53"	-05°30'38"	00°00'05"	36.136
08/05/2029 00:00:00	♁	05°59'30"	♏	-23°18'00"	00°00'00"	-00°04'51"	0.003
08/05/2029 00:00:00	♃	08°47'11"	♏	13°29'48"	-00°58'52"	00°03'45"	18.501
08/05/2029 00:00:00	♃	17°35'13"	♏	11°34'41"	05°03'53"	00°06'43"	0.003
08/05/2029 00:00:00	T♁	05°59'30"	♏	-23°18'00"	00°00'00"	-00°04'51"	0.003
08/05/2029 00:00:00	T♃	11°14'39"	♏	09°08'22"	05°06'08"	00°56'31"	0.003
08/05/2029 00:00:00	X	26°12'43"	♏	00°58'52"	-09°47'19"	00°00'37"	96.146
08/05/2029 00:00:00	Y	03°21'21"	♈	09°22'15"	-11°39'14"	00°00'47"	83.141
09/05/2029 00:00:00	♁	18°39'55"	♏	17°22'32"	00°00'00"	00°58'02"	1.009
09/05/2029 00:00:00	♃	28°36'13"	♈	04°06'20"	05°04'49"	11°52'03"	0.003
09/05/2029 00:00:00	♃	24°44'36"	♏	19°40'33"	00°44'48"	-00°29'50"	0.574
09/05/2029 00:00:00	♃	00°34'31"	♈	20°16'45"	00°00'40"	01°13'46"	1.677
09/05/2029 00:00:00	♃	24°59'34"	♏	03°25'10"	01°33'28"	00°02'22"	0.791
09/05/2029 00:00:00	♃	19°22'11"	♈	-06°10'34"	01°30'58"	-00°05'54"	4.547
09/05/2029 00:00:00	♃	15°03'36"	♏	14°20'48"	-02°05'43"	00°07'42"	10.180

Ephemerides year 2029

09/05/2029 00:00:00	♃	12°47'33" ♀	22°19'37"	-00°00'05"	00°03'17"	20.182
09/05/2029 00:00:00	♃	10°01'31" ♀	02°38'44"	-01°26'23"	00°01'52"	30.641
09/05/2029 00:00:00	♃	10°27'06" ♀	-22°55'05"	-05°30'51"	00°00'03"	36.120
09/05/2029 00:00:00	♃	05°53'41" ♀	-23°18'16"	00°00'00"	-00°06'42"	0.003
09/05/2029 00:00:00	♃	08°50'57" ♀	13°30'55"	-00°58'57"	00°03'45"	18.498
09/05/2029 00:00:00	♃	17°41'56" ♀	11°37'08"	05°03'44"	00°06'43"	0.003
09/05/2029 00:00:00	♃	05°53'41" ♀	-23°18'16"	00°00'00"	-00°06'42"	0.003
09/05/2029 00:00:00	♃	12°18'41" ♀	09°32'51"	05°05'22"	01°09'49"	0.003
09/05/2029 00:00:00	X	26°13'20" ♀	00°59'05"	-09°47'19"	00°00'36"	96.139
09/05/2029 00:00:00	Y	03°22'09" ♀	09°22'26"	-11°39'11"	00°00'47"	83.145
10/05/2029 00:00:00	♃	19°37'57" ♀	17°38'22"	00°00'00"	00°58'00"	1.010
10/05/2029 00:00:00	♃	10°27'27" ♀	08°49'54"	05°06'15"	11°50'55"	0.003
10/05/2029 00:00:00	♃	24°13'29" ♀	19°16'56"	00°28'19"	-00°32'16"	0.567
10/05/2029 00:00:00	♃	01°48'17" ♀	20°34'15"	00°03'08"	01°13'45"	1.675
10/05/2029 00:00:00	♃	25°02'19" ♀	03°21'50"	01°31'02"	00°03'06"	0.797
10/05/2029 00:00:00	♃	19°16'20" ♀	-06°08'31"	01°30'47"	-00°05'47"	4.555
10/05/2029 00:00:00	♃	15°11'19" ♀	14°23'03"	-02°05'42"	00°07'42"	10.179
10/05/2029 00:00:00	♃	12°50'51" ♀	22°20'03"	-00°00'05"	00°03'18"	20.188
10/05/2029 00:00:00	♃	10°03'22" ♀	02°39'26"	-01°26'25"	00°01'50"	30.630

Ephemerides year 2029

10/05/2029 00:00:00	♁	10°27'08" ♊	-22°55'17"	-05°31'05"	00°00'01"	36.104
10/05/2029 00:00:00	♁	05°46'16" ♊	-23°18'35"	00°00'00"	-00°08'00"	0.003
10/05/2029 00:00:00	♊	08°54'42" ♋	13°32'02"	-00°59'02"	00°03'44"	18.494
10/05/2029 00:00:00	♋	17°48'39" ♌	11°39'34"	05°03'34"	00°06'43"	0.003
10/05/2029 00:00:00	♁	05°46'16" ♊	-23°18'35"	00°00'00"	-00°08'00"	0.003
10/05/2029 00:00:00	♋	13°31'51" ♌	10°00'42"	05°04'29"	01°15'51"	0.003
10/05/2029 00:00:00	X	26°13'57" ♌	00°59'17"	-09°47'19"	00°00'36"	96.133
10/05/2029 00:00:00	Y	03°22'57" ♋	09°22'36"	-11°39'08"	00°00'48"	83.148
11/05/2029 00:00:00	♋	20°35'57" ♋	17°53'54"	00°00'00"	00°57'59"	1.010
11/05/2029 00:00:00	♌	22°18'58" ♌	13°14'14"	04°54'32"	11°52'29"	0.003
11/05/2029 00:00:00	♋	23°40'14" ♋	18°52'14"	00°11'19"	-00°34'07"	0.562
11/05/2029 00:00:00	♌	03°02'02" ♋	20°51'12"	00°05'37"	01°13'44"	1.673
11/05/2029 00:00:00	♌	25°05'46" ♌	03°18'14"	01°28'37"	00°03'49"	0.804
11/05/2029 00:00:00	♌	19°10'36" ♌	-06°06'32"	01°30'36"	-00°05'39"	4.563
11/05/2029 00:00:00	♋	15°19'00" ♋	14°25'17"	-02°05'41"	00°07'41"	10.178
11/05/2029 00:00:00	♌	12°54'10" ♋	22°20'28"	-00°00'04"	00°03'19"	20.195
11/05/2029 00:00:00	♌	10°05'13" ♌	02°40'07"	-01°26'27"	00°01'49"	30.620
11/05/2029 00:00:00	♁	10°27'10" ♊	-22°55'30"	-05°31'19"	00°00'00"	36.088
11/05/2029 00:00:00	♁	05°37'54" ♊	-23°18'57"	00°00'00"	-00°08'33"	0.003

Ephemerides year 2029

11/05/2029 00:00:00	♄	08°58'26" ♉	13°33'09"	-00°59'07"	00°03'44"	18.490
11/05/2029 00:00:00	♁	17°55'23" ♈	11°42'00"	05°03'24"	00°06'43"	0.003
11/05/2029 00:00:00	♁♁	05°37'54" ♉	-23°18'57"	00°00'00"	-00°08'33"	0.003
11/05/2029 00:00:00	♁♁	14°50'39" ♈	10°30'32"	05°03'28"	01°22'40"	0.003
11/05/2029 00:00:00	X	26°14'33" ♈	00°59'30"	-09°47'20"	00°00'36"	96.126
11/05/2029 00:00:00	Y	03°23'45" ♈	09°22'47"	-11°39'06"	00°00'48"	83.152
12/05/2029 00:00:00	♁	21°33'55" ♉	18°09'08"	00°00'00"	00°57'58"	1.010
12/05/2029 00:00:00	♁	04°13'10" ♉	17°09'20"	04°30'01"	11°56'12"	0.003
12/05/2029 00:00:00	♁	23°05'27" ♉	18°26'44"	-00°06'01"	-00°35'20"	0.558
12/05/2029 00:00:00	♁	04°15'46" ♈	21°07'34"	00°08'05"	01°13'43"	1.671
12/05/2029 00:00:00	♁	25°09'57" ♈	03°14'23"	01°26'13"	00°04'31"	0.810
12/05/2029 00:00:00	♁	19°05'01" ♈	-06°04'36"	01°30'25"	-00°05'31"	4.571
12/05/2029 00:00:00	♁	15°26'42" ♉	14°27'31"	-02°05'40"	00°07'41"	10.176
12/05/2029 00:00:00	♁	12°57'31" ♈	22°20'54"	-00°00'04"	00°03'20"	20.201
12/05/2029 00:00:00	♁	10°07'02" ♈	02°40'48"	-01°26'29"	00°01'48"	30.609
12/05/2029 00:00:00	♁	10°27'09" ♈	-22°55'44"	-05°31'33"	-00°00'01"	36.072
12/05/2029 00:00:00	♁	05°29'24" ♉	-23°19'18"	00°00'00"	-00°08'17"	0.003
12/05/2029 00:00:00	♁	09°02'10" ♉	13°34'15"	-00°59'12"	00°03'43"	18.486
12/05/2029 00:00:00	♁	18°02'06" ♈	11°44'26"	05°03'14"	00°06'43"	0.003



Ephemerides year 2029

12/05/2029 00:00:00	T♄	05°29'24" ♏	-23°19'18"	00°00'00"	-00°08'17"	0.003
12/05/2029 00:00:00	T♄	16°20'39" ♏	11°04'22"	05°02'16"	01°39'46"	0.003
12/05/2029 00:00:00	X	26°15'09" ♏	00°59'42"	-09°47'20"	00°00'36"	96.119
12/05/2029 00:00:00	Y	03°24'33" ♏	09°22'58"	-11°39'04"	00°00'48"	83.155
13/05/2029 00:00:00	♁	22°31'53" ♏	18°24'04"	00°00'00"	00°57'56"	1.010
13/05/2029 00:00:00	♂	16°11'57" ♏	20°24'17"	03°53'27"	12°01'36"	0.003
13/05/2029 00:00:00	♀	22°29'45" ♏	18°00'45"	-00°23'32"	-00°35'56"	0.555
13/05/2029 00:00:00	♀	05°29'29" ♏	21°23'21"	00°10'34"	01°13'42"	1.668
13/05/2029 00:00:00	♂	25°14'50" ♏	03°10'16"	01°23'50"	00°05'13"	0.816
13/05/2029 00:00:00	♃	18°59'34" ♏	-06°02'43"	01°30'13"	-00°05'22"	4.579
13/05/2029 00:00:00	♃	15°34'23" ♏	14°29'44"	-02°05'40"	00°07'40"	10.174
13/05/2029 00:00:00	♃	13°00'52" ♏	22°21'20"	-00°00'03"	00°03'21"	20.207
13/05/2029 00:00:00	♃	10°08'50" ♏	02°41'28"	-01°26'32"	00°01'47"	30.597
13/05/2029 00:00:00	♃	10°27'07" ♏	-22°55'57"	-05°31'47"	-00°00'02"	36.056
13/05/2029 00:00:00	♁	05°21'35" ♏	-23°19'37"	00°00'00"	-00°07'14"	0.003
13/05/2029 00:00:00	♃	09°05'53" ♏	13°35'21"	-00°59'17"	00°03'43"	18.481
13/05/2029 00:00:00	♃	18°08'49" ♏	11°46'52"	05°03'04"	00°06'43"	0.003
13/05/2029 00:00:00	T♄	05°21'35" ♏	-23°19'37"	00°00'00"	-00°07'14"	0.003
13/05/2029 00:00:00	T♄	18°15'53" ♏	11°47'12"	05°00'28"	02°13'38"	0.003

Ephemerides year 2029

13/05/2029 00:00:00	X	26°15'45" ♀	00°59'54"	-09°47'21"	00°00'35"	96.112
13/05/2029 00:00:00	Y	03°25'22" ♀	09°23'08"	-11°39'02"	00°00'48"	83.158
14/05/2029 00:00:00	☉	23°29'49" ♂	18°38'41"	00°00'00"	00°57'55"	1.011
14/05/2029 00:00:00	☾	28°16'51" ♂	22°47'46"	03°06'03"	12°08'26"	0.003
14/05/2029 00:00:00	♁	21°53'47" ♂	17°34'35"	-00°41'04"	-00°35'53"	0.553
14/05/2029 00:00:00	♂	06°43'11" ♀	21°38'33"	00°13'02"	01°13'41"	1.666
14/05/2029 00:00:00	♂	25°20'25" ♃	03°05'53"	01°21'29"	00°05'55"	0.823
14/05/2029 00:00:00	♃	18°54'15" ♄	-06°00'53"	01°30'01"	-00°05'14"	4.587
14/05/2029 00:00:00	♄	15°42'04" ♂	14°31'57"	-02°05'39"	00°07'40"	10.172
14/05/2029 00:00:00	♅	13°04'15" ♀	22°21'46"	-00°00'03"	00°03'22"	20.213
14/05/2029 00:00:00	♆	10°10'37" ♀	02°42'08"	-01°26'34"	00°01'46"	30.586
14/05/2029 00:00:00	♇	10°27'03" ♃	-22°56'12"	-05°32'00"	-00°00'04"	36.040
14/05/2029 00:00:00	♈	05°15'08" ♃	-23°19'53"	00°00'00"	-00°05'35"	0.003
14/05/2029 00:00:00	♉	09°09'36" ♂	13°36'27"	-00°59'22"	00°03'42"	18.477
14/05/2029 00:00:00	♊	18°15'32" ♀	11°49'18"	05°02'54"	00°06'43"	0.003
14/05/2029 00:00:00	T♈	05°15'08" ♃	-23°19'53"	00°00'00"	-00°05'35"	0.003
14/05/2029 00:00:00	T♉	20°53'02" ♀	12°44'27"	04°57'28"	03°02'24"	0.003
14/05/2029 00:00:00	X	26°16'21" ♀	01°00'06"	-09°47'21"	00°00'35"	96.104
14/05/2029 00:00:00	Y	03°26'10" ♀	09°23'19"	-11°39'00"	00°00'48"	83.160

Ephemerides year 2029

15/05/2029 00:00:00	☉	24°27'43" ♈	18°52'59"	00°00'00"	00°57'53"	1.011
15/05/2029 00:00:00	☾	10°29'16" ♉	24°09'13" ♁	02°09'34"	12°16'37"	0.003
15/05/2029 00:00:00	♃	21°18'10" ♈	17°08'34"	-00°58'28"	-00°35'13"	0.553
15/05/2029 00:00:00	♄	07°56'51" ♉	21°53'09"	00°15'30"	01°13'40"	1.663
15/05/2029 00:00:00	♅	25°26'40" ♉	03°01'16"	01°19'09"	00°06'36"	0.829
15/05/2029 00:00:00	♆	18°49'05" ♉	-05°59'07"	01°29'49"	-00°05'05"	4.596
15/05/2029 00:00:00	♇	15°49'44" ♈	14°34'09"	-02°05'39"	00°07'39"	10.170
15/05/2029 00:00:00	♈	13°07'38" ♉	22°22'12"	-00°00'02"	00°03'23"	20.219
15/05/2029 00:00:00	♉	10°12'23" ♈	02°42'47"	-01°26'36"	00°01'45"	30.574
15/05/2029 00:00:00	♊	10°26'58" ♈	-22°56'26"	-05°32'14"	-00°00'06"	36.024
15/05/2029 00:00:00	♋	05°10'30" ♈	-23°20'04"	00°00'00"	-00°03'37"	0.003
15/05/2029 00:00:00	♌	09°13'18" ♈	13°37'32"	-00°59'28"	00°03'41"	18.472
15/05/2029 00:00:00	♍	18°22'16" ♈	11°51'43"	05°02'44"	00°06'43"	0.003
15/05/2029 00:00:00	T♋	05°10'30" ♈	-23°20'04"	00°00'00"	-00°03'37"	0.003
15/05/2029 00:00:00	T♌	24°21'49" ♈	13°58'15"	04°52'25"	03°54'21"	0.003
15/05/2029 00:00:00	X	26°16'57" ♈	01°00'18"	-09°47'22"	00°00'35"	96.096
15/05/2029 00:00:00	Y	03°26'59" ♉	09°23'29"	-11°38'58"	00°00'48"	83.162
16/05/2029 00:00:00	☉	25°25'36" ♈	19°06'57"	00°00'00"	00°57'52"	1.011
16/05/2029 00:00:00	☾	22°50'36" ♉	24°20'38" ♁	01°06'11"	12°26'19"	0.003

Ephemerides year 2029

16/05/2029 00:00:00	♀	20°43'31" ♃	16°43'02"	-01°15'32"	-00°33'57"	0.554
16/05/2029 00:00:00	♀	09°10'31" ♃	22°07'08"	00°17'58"	01°13'38"	1.661
16/05/2029 00:00:00	♂	25°33'36" ♃	02°56'24"	01°16'51"	00°07'16"	0.836
16/05/2029 00:00:00	♃	18°44'04" ♃	-05°57'25"	01°29'36"	-00°04'56"	4.605
16/05/2029 00:00:00	♃	15°57'24" ♃	14°36'20"	-02°05'39"	00°07'39"	10.167
16/05/2029 00:00:00	♃	13°11'02" ♃	22°22'38"	-00°00'02"	00°03'24"	20.224
16/05/2029 00:00:00	♃	10°14'07" ♃	02°43'26"	-01°26'38"	00°01'43"	30.563
16/05/2029 00:00:00	♃	10°26'51" ♃	-22°56'41"	-05°32'28"	-00°00'07"	36.009
16/05/2029 00:00:00	♃	05°07'53" ♃	-23°20'10"	00°00'00"	-00°01'38"	0.003
16/05/2029 00:00:00	♃	09°16'59" ♃	13°38'37"	-00°59'33"	00°03'41"	18.466
16/05/2029 00:00:00	♃	18°28'59" ♃	11°54'09"	05°02'33"	00°06'43"	0.003
16/05/2029 00:00:00	♃	05°07'53" ♃	-23°20'10"	00°00'00"	-00°01'38"	0.003
16/05/2029 00:00:00	♃	28°37'18" ♃	15°24'41"	04°44'38"	04°33'02"	0.003
16/05/2029 00:00:00	X	26°17'32" ♃	01°00'29"	-09°47'23"	00°00'35"	96.088
16/05/2029 00:00:00	Y	03°27'48" ♃	09°23'39"	-11°38'57"	00°00'49"	83.164
17/05/2029 00:00:00	♃	26°23'27" ♃	19°20'37"	-00°00'00"	00°57'50"	1.011
17/05/2029 00:00:00	♃	05°22'31" ♃	23°18'11"	-00°01'23"	12°37'49"	0.003
17/05/2029 00:00:00	♀	20°10'26" ♃	16°18'16"	-01°32'09"	-00°32'08"	0.556
17/05/2029 00:00:00	♀	10°24'09" ♃	22°20'30"	00°20'26"	01°13'37"	1.658

Ephemerides year 2029

17/05/2029 00:00:00	♂	25°41'12" ♉	02°51'18"	01°14'35"	00°07'55"	0.842
17/05/2029 00:00:00	♃	18°39'11" ♈	-05°55'46"	01°29'24"	-00°04'47"	4.615
17/05/2029 00:00:00	♅	16°05'02" ♋	14°38'31"	-02°05'39"	00°07'38"	10.164
17/05/2029 00:00:00	♁	13°14'27" ♌	22°23'04"	-00°00'01"	00°03'25"	20.229
17/05/2029 00:00:00	♆	10°15'50" ♍	02°44'04"	-01°26'41"	00°01'42"	30.551
17/05/2029 00:00:00	♁	10°26'42" ♍	-22°56'57"	-05°32'42"	-00°00'09"	35.993
17/05/2029 00:00:00	♄	05°07'07" ♌	-23°20'12"	00°00'00"	00°00'02"	0.003
17/05/2029 00:00:00	♅	09°20'40" ♋	13°39'42"	-00°59'38"	00°03'40"	18.461
17/05/2029 00:00:00	♁	18°35'42" ♍	11°56'34"	05°02'23"	00°06'43"	0.003
17/05/2029 00:00:00	♄	05°07'07" ♌	-23°20'12"	00°00'00"	00°00'02"	0.003
17/05/2029 00:00:00	♁	03°18'47" ♋	16°54'28"	04°34'09"	04°44'38"	0.003
17/05/2029 00:00:00	X	26°18'07" ♍	01°00'40"	-09°47'24"	00°00'34"	96.080
17/05/2029 00:00:00	Y	03°28'37" ♌	09°23'49"	-11°38'55"	00°00'49"	83.166
18/05/2029 00:00:00	♁	27°21'17" ♋	19°33'57"	-00°00'00"	00°57'48"	1.011
18/05/2029 00:00:00	♃	18°06'57" ♈	21°03'04"	-01°10'09"	12°51'24"	0.003
18/05/2029 00:00:00	♁	19°39'25" ♋	15°54'34"	-01°48'10"	-00°29'47"	0.559
18/05/2029 00:00:00	♀	11°37'46" ♌	22°33'14"	00°22'53"	01°13'36"	1.655
18/05/2029 00:00:00	♂	25°49'28" ♉	02°45'57"	01°12'20"	00°08'34"	0.849
18/05/2029 00:00:00	♃	18°34'28" ♈	-05°54'10"	01°29'11"	-00°04'38"	4.624

Ephemerides year 2029

18/05/2029 00:00:00	♃	16°12'40" ♂	14°40'41"	-02°05'39"	00°07'37"	10.161
18/05/2029 00:00:00	♃	13°17'53" ♀	22°23'30"	-00°00'00"	00°03'26"	20.234
18/05/2029 00:00:00	♃	10°17'32" ♀	02°44'42"	-01°26'43"	00°01'41"	30.539
18/05/2029 00:00:00	♃	10°26'32" ♀	-22°57'13"	-05°32'55"	-00°00'10"	35.977
18/05/2029 00:00:00	♃	05°07'45" ♀	-23°20'10"	00°00'00"	00°01'09"	0.002
18/05/2029 00:00:00	♃	09°24'20" ♂	13°40'47"	-00°59'44"	00°03'39"	18.455
18/05/2029 00:00:00	♃	18°42'26" ♀	11°58'58"	05°02'12"	00°06'43"	0.003
18/05/2029 00:00:00	♃	05°07'45" ♀	-23°20'10"	00°00'00"	00°01'09"	0.002
18/05/2029 00:00:00	♃	07°55'15" ♂	18°16'28"	04°21'58"	04°22'32"	0.003
18/05/2029 00:00:00	X	26°18'42" ♀	01°00'52"	-09°47'25"	00°00'34"	96.071
18/05/2029 00:00:00	Y	03°29'27" ♀	09°23'59"	-11°38'54"	00°00'49"	83.168
19/05/2029 00:00:00	♃	28°19'05" ♂	19°46'56"	-00°00'00"	00°57'47"	1.012
19/05/2029 00:00:00	♃	01°06'07" ♀	17°41'08"	-02°16'43"	13°07'20"	0.003
19/05/2029 00:00:00	♃	19°11'00" ♂	15°32'13"	-02°03'27"	-00°26'58"	0.563
19/05/2029 00:00:00	♃	12°51'22" ♀	22°45'20"	00°25'20"	01°13'35"	1.652
19/05/2029 00:00:00	♃	25°58'21" ♀	02°40'23"	01°10'06"	00°09'12"	0.855
19/05/2029 00:00:00	♃	18°29'54" ♀	-05°52'39"	01°28'58"	-00°04'29"	4.634
19/05/2029 00:00:00	♃	16°20'17" ♂	14°42'50"	-02°05'40"	00°07'36"	10.158
19/05/2029 00:00:00	♃	13°21'19" ♀	22°23'56"	-00°00'00"	00°03'26"	20.238

Ephemerides year 2029

19/05/2029 00:00:00	♁	10°19'12" ♀	02°45'19"	-01°26'46"	00°01'39"	30.526
19/05/2029 00:00:00	♁	10°26'20" ♀	-22°57'29"	-05°33'09"	-00°00'12"	35.962
19/05/2029 00:00:00	♁	05°09'10" ♀	-23°20'07"	00°00'00"	00°01'32"	0.002
19/05/2029 00:00:00	♁	09°27'59" ♀	13°41'51"	-00°59'49"	00°03'38"	18.449
19/05/2029 00:00:00	♁	18°49'09" ♀	12°01'23"	05°02'01"	00°06'43"	0.003
19/05/2029 00:00:00	T♁	05°09'10" ♀	-23°20'07"	00°00'00"	00°01'32"	0.002
19/05/2029 00:00:00	T♁	11°52'53" ♀	19°21'36"	04°10'06"	03°27'40"	0.003
19/05/2029 00:00:00	X	26°19'16" ♀	01°01'03"	-09°47'26"	00°00'34"	96.062
19/05/2029 00:00:00	Y	03°30'16" ♀	09°24'09"	-11°38'53"	00°00'49"	83.169
20/05/2029 00:00:00	♁	29°16'51" ♀	19°59'36"	-00°00'00"	00°57'45"	1.012
20/05/2029 00:00:00	♁	14°22'22" ♀	13°21'52"	-03°17'28"	13°25'30"	0.003
20/05/2029 00:00:00	♁	18°45'37" ♀	15°11'25"	-02°17'55"	-00°23'45"	0.568
20/05/2029 00:00:00	♁	14°04'57" ♀	22°56'47"	00°27'46"	01°13'33"	1.650
20/05/2029 00:00:00	♁	26°07'53" ♀	02°34'35"	01°07'55"	00°09'50"	0.862
20/05/2029 00:00:00	♁	18°25'29" ♀	-05°51'11"	01°28'44"	-00°04'19"	4.644
20/05/2029 00:00:00	♁	16°27'53" ♀	14°44'59"	-02°05'40"	00°07'35"	10.154
20/05/2029 00:00:00	♁	13°24'46" ♀	22°24'22"	00°00'00"	00°03'27"	20.242
20/05/2029 00:00:00	♁	10°20'51" ♀	02°45'55"	-01°26'48"	00°01'38"	30.514
20/05/2029 00:00:00	♁	10°26'07" ♀	-22°57'46"	-05°33'23"	-00°00'14"	35.947

Ephemerides year 2029

20/05/2029 00:00:00	♏	05°10'36" ♀	-23°20'04"	00°00'00"	00°01'11"	0.002
20/05/2029 00:00:00	♋	09°31'37" ♂	13°42'54"	-00°59'55"	00°03'37"	18.443
20/05/2029 00:00:00	♌	18°55'52" ♀	12°03'47"	05°01'50"	00°06'43"	0.003
20/05/2029 00:00:00	T♏	05°10'36" ♀	-23°20'04"	00°00'00"	00°01'11"	0.002
20/05/2029 00:00:00	T♌	14°42'06" ♂	20°04'45"	04°00'54"	02°07'31"	0.003
20/05/2029 00:00:00	X	26°19'50" ♀	01°01'13"	-09°47'28"	00°00'33"	96.053
20/05/2029 00:00:00	Y	03°31'05" ♀	09°24'19"	-11°38'51"	00°00'49"	83.170
21/05/2029 00:00:00	♉	00°14'36" ♀	20°11'54"	-00°00'00"	00°57'43"	1.012
21/05/2029 00:00:00	♊	27°57'44" ♀	08°17'08"	-04°08'42"	13°45'26"	0.003
21/05/2029 00:00:00	♎	18°23'37" ♂	14°52'24"	-02°31'27"	-00°20'11"	0.574
21/05/2029 00:00:00	♍	15°18'30" ♀	23°07'34"	00°30'11"	01°13'32"	1.647
21/05/2029 00:00:00	♊	26°18'01" ♀	02°28'34"	01°05'44"	00°10'26"	0.869
21/05/2029 00:00:00	♈	18°21'14" ♀	-05°49'46"	01°28'31"	-00°04'10"	4.654
21/05/2029 00:00:00	♏	16°35'28" ♂	14°47'07"	-02°05'41"	00°07'34"	10.151
21/05/2029 00:00:00	♏	13°28'14" ♀	22°24'48"	00°00'00"	00°03'27"	20.246
21/05/2029 00:00:00	♎	10°22'29" ♀	02°46'31"	-01°26'51"	00°01'36"	30.501
21/05/2029 00:00:00	♏	10°25'52" ♀	-22°58'03"	-05°33'36"	-00°00'15"	35.931
21/05/2029 00:00:00	♏	05°11'21" ♀	-23°20'02"	00°00'00"	00°00'13"	0.002
21/05/2029 00:00:00	♋	09°35'14" ♂	13°43'57"	-01°00'00"	00°03'36"	18.436



Ephemerides year 2029

21/05/2029 00:00:00	☾	19°02'36" ♀	12°06'11"	05°01'39"	00°06'43"	0.003
21/05/2029 00:00:00	♄	05°11'21" ♀	-23°20'02"	00°00'00"	00°00'13"	0.002
21/05/2029 00:00:00	♃	16°04'05" ♀	20°24'37"	03°56'12"	00°36'06"	0.003
21/05/2029 00:00:00	X	26°20'23" ♀	01°01'24"	-09°47'29"	00°00'33"	96.044
21/05/2029 00:00:00	Y	03°31'54" ♀	09°24'29"	-11°38'51"	00°00'49"	83.170
22/05/2029 00:00:00	☉	01°12'18" ♀	20°23'52"	-00°00'00"	00°57'42"	1.012
22/05/2029 00:00:00	☾	11°53'29" ♀	02°40'47"	-04°46'42"	14°06'01"	0.002
22/05/2029 00:00:00	♁	18°05'20" ♀	14°35'20"	-02°44'00"	-00°16'19"	0.581
22/05/2029 00:00:00	♀	16°32'02" ♀	23°17'42"	00°32'36"	01°13'31"	1.644
22/05/2029 00:00:00	♂	26°28'46" ♀	02°22'19"	01°03'36"	00°11'02"	0.876
22/05/2029 00:00:00	♂	18°17'09" ♀	-05°48'26"	01°28'17"	-00°04'00"	4.664
22/05/2029 00:00:00	♃	16°43'02" ♀	14°49'14"	-02°05'42"	00°07'33"	10.147
22/05/2029 00:00:00	♃	13°31'42" ♀	22°25'14"	00°00'01"	00°03'28"	20.250
22/05/2029 00:00:00	♃	10°24'05" ♀	02°47'07"	-01°26'53"	00°01'35"	30.488
22/05/2029 00:00:00	♃	10°25'35" ♀	-22°58'21"	-05°33'50"	-00°00'17"	35.916
22/05/2029 00:00:00	♄	05°10'55" ♀	-23°20'03"	00°00'00"	-00°01'08"	0.002
22/05/2029 00:00:00	♃	09°38'49" ♀	13°45'00"	-01°00'06"	00°03'35"	18.429
22/05/2029 00:00:00	☾	19°09'19" ♀	12°08'35"	05°01'27"	00°06'43"	0.003
22/05/2029 00:00:00	♄	05°10'55" ♀	-23°20'03"	00°00'00"	-00°01'08"	0.002

Ephemerides year 2029

22/05/2029 00:00:00	T♄	15°57'20" ♈	20°22'58"	03°56'34"	-00°46'13"	0.003
22/05/2029 00:00:00	X	26°20'57" ♀	01°01'34"	-09°47'30"	00°00'32"	96.034
22/05/2029 00:00:00	Y	03°32'44" ♀	09°24'38"	-11°38'50"	00°00'49"	83.171
23/05/2029 00:00:00	☉	02°10'00" ♀	20°35'29"	-00°00'00"	00°57'40"	1.012
23/05/2029 00:00:00	☾	26°09'26" ♋	-03°11'11"	-05°08'09"	14°25'30"	0.002
23/05/2029 00:00:00	♀	17°51'01" ♈	14°20'21"	-02°55'29"	-00°12'14"	0.589
23/05/2029 00:00:00	♀	17°45'32" ♀	23°27'10" ○	00°34'59"	01°13'29"	1.641
23/05/2029 00:00:00	♂	26°40'07" ♋	02°15'52"	01°01'28"	00°11'37"	0.883
23/05/2029 00:00:00	♃	18°13'13" ♉	-05°47'09"	01°28'03"	-00°03'50"	4.675
23/05/2029 00:00:00	♅	16°50'35" ♈	14°51'21"	-02°05'43"	00°07'32"	10.142
23/05/2029 00:00:00	♁	13°35'11" ♀	22°25'40"	00°00'01"	00°03'28"	20.253
23/05/2029 00:00:00	♃	10°25'39" ♀	02°47'41"	-01°26'56"	00°01'33"	30.475
23/05/2029 00:00:00	♁	10°25'17" ♉	-22°58'39"	-05°34'03"	-00°00'19"	35.901
23/05/2029 00:00:00	♁	05°09'03" ♉	-23°20'07"	00°00'00"	-00°02'33"	0.002
23/05/2029 00:00:00	♂	09°42'24" ♈	13°46'02"	-01°00'12"	00°03'34"	18.422
23/05/2029 00:00:00	♄	19°16'02" ♀	12°10'59"	05°01'16"	00°06'43"	0.003
23/05/2029 00:00:00	T♁	05°09'03" ♉	-23°20'07"	00°00'00"	-00°02'33"	0.002
23/05/2029 00:00:00	T♄	14°41'34" ♈	20°04'32"	04°00'50"	-01°39'14"	0.003
23/05/2029 00:00:00	X	26°21'30" ♀	01°01'44"	-09°47'32"	00°00'32"	96.024

Ephemerides year 2029

23/05/2029 00:00:00	Y	03°33'33" ♀	09°24'47"	-11°38'49"	00°00'49"	83.171
24/05/2029 00:00:00	☉	03°07'39" ♀	20°46'45"	-00°00'00"	00°57'38"	1.013
24/05/2029 00:00:00	☾	10°43'24" ♀	-09°00'03"	-05°10'28"	14°41'40"	0.002
24/05/2029 00:00:00	♋	17°40'54" ♂	14°07'33"	-03°05'54"	-00°07'58"	0.598
24/05/2029 00:00:00	♌	18°59'01" ♀	23°35'58" ♀	00°37'22"	01°13'28"	1.638
24/05/2029 00:00:00	♍	26°52'02" ♀	02°09'13"	00°59'23"	00°12'12"	0.889
24/05/2029 00:00:00	♎	18°09'27" ♀	-05°45'57"	01°27'49"	-00°03'40"	4.685
24/05/2029 00:00:00	♏	16°58'07" ♂	14°53'26"	-02°05'44"	00°07'30"	10.138
24/05/2029 00:00:00	♐	13°38'40" ♀	22°26'06"	00°00'02"	00°03'29"	20.257
24/05/2029 00:00:00	♑	10°27'12" ♂	02°48'15"	-01°26'59"	00°01'32"	30.462
24/05/2029 00:00:00	♒	10°24'57" ♀	-22°58'57"	-05°34'17"	-00°00'20"	35.886
24/05/2029 00:00:00	♓	05°05'54" ♂	-23°20'14"	00°00'00"	-00°03'40"	0.002
24/05/2029 00:00:00	♈	09°45'58" ♂	13°47'04"	-01°00'17"	00°03'33"	18.415
24/05/2029 00:00:00	♉	19°22'45" ♂	12°13'22"	05°01'04"	00°06'43"	0.003
24/05/2029 00:00:00	T♊	05°05'54" ♂	-23°20'14"	00°00'00"	-00°03'40"	0.002
24/05/2029 00:00:00	T♋	12°51'25" ♂	19°36'45"	04°06'53"	-01°55'19"	0.003
24/05/2029 00:00:00	X	26°22'02" ♂	01°01'54"	-09°47'34"	00°00'32"	96.014
24/05/2029 00:00:00	Y	03°34'22" ♀	09°24'56"	-11°38'49"	00°00'49"	83.170
25/05/2029 00:00:00	☉	04°05'18" ♀	20°57'39"	-00°00'00"	00°57'37"	1.013

Ephemerides year 2029

25/05/2029 00:00:00	♃	25°30'52"	♈	-14°23'50"	-04°52'25"	14°52'10"	0.002
25/05/2029 00:00:00	♆	17°35'06"	♄	13°57'00"	-03°15'13"	-00°03'35"	0.608
25/05/2029 00:00:00	♀	20°12'29"	♈	23°44'04"	♅ 00°39'43"	01°13'27"	1.635
25/05/2029 00:00:00	♂	27°04'31"	♈	02°02'22"	00°57'19"	00°12'46"	0.896
25/05/2029 00:00:00	♃	18°05'51"	♈	-05°44'48"	01°27'35"	-00°03'30"	4.696
25/05/2029 00:00:00	♃	17°05'37"	♄	14°55'31"	-02°05'46"	00°07'29"	10.133
25/05/2029 00:00:00	♃	13°42'10"	♈	22°26'31"	00°00'02"	00°03'29"	20.259
25/05/2029 00:00:00	♆	10°28'44"	♄	02°48'49"	-01°27'01"	00°01'30"	30.448
25/05/2029 00:00:00	♃	10°24'36"	♈	-22°59'16"	-05°34'30"	-00°00'22"	35.871
25/05/2029 00:00:00	♄	05°01'53"	♄	-23°20'24"	00°00'00"	-00°04'14"	0.002
25/05/2029 00:00:00	♃	09°49'31"	♄	13°48'06"	-01°00'23"	00°03'32"	18.407
25/05/2029 00:00:00	♃	19°29'28"	♄	12°15'45"	05°00'52"	00°06'43"	0.003
25/05/2029 00:00:00	♄	05°01'53"	♄	-23°20'24"	00°00'00"	-00°04'14"	0.002
25/05/2029 00:00:00	♃	10°59'29"	♄	19°07'22"	04°12'49"	-01°46'00"	0.003
25/05/2029 00:00:00	X	26°22'34"	♄	01°02'04"	-09°47'35"	00°00'31"	96.004
25/05/2029 00:00:00	Y	03°35'12"	♈	09°25'05"	-11°38'48"	00°00'49"	83.170
26/05/2029 00:00:00	♃	05°02'54"	♈	21°08'12"	-00°00'00"	00°57'36"	1.013
26/05/2029 00:00:00	♃	10°25'12"	♈	-18°58'07"	-04°14'34"	14°55'07"	0.002
26/05/2029 00:00:00	♆	17°33'44"	♄	13°48'46"	-03°23'24"	00°00'52"	0.618

Ephemerides year 2029

26/05/2029 00:00:00	♀	21°25'55" ♀	23°51'29" ♀	00°42'03" ♀	01°13'25" ♀	1.631
26/05/2029 00:00:00	♂	27°17'34" ♂	01°55'18" ♀	00°55'17" ♀	00°13'19" ♀	0.903
26/05/2029 00:00:00	♃	18°02'25" ♀	-05°43'43" ♀	01°27'21" ♀	-00°03'20" ♀	4.708
26/05/2029 00:00:00	♄	17°13'06" ♂	14°57'35" ♀	-02°05'48" ♀	00°07'28" ♀	10.128
26/05/2029 00:00:00	♅	13°45'40" ♀	22°26'57" ♀	00°00'03" ♀	00°03'30" ♀	20.262
26/05/2029 00:00:00	♆	10°30'14" ♂	02°49'22" ♀	-01°27'04" ♀	00°01'29" ♀	30.435
26/05/2029 00:00:00	♁	10°24'13" ♀	-22°59'35" ♀	-05°34'43" ♀	-00°00'23" ♀	35.857
26/05/2029 00:00:00	♂	04°57'38" ♂	-23°20'33" ♀	00°00'00" ♀	-00°04'08" ♀	0.002
26/05/2029 00:00:00	♃	09°53'02" ♂	13°49'07" ♀	-01°00'29" ♀	00°03'31" ♀	18.400
26/05/2029 00:00:00	♄	19°36'11" ♂	12°18'08" ♀	05°00'40" ♀	00°06'43" ♀	0.003
26/05/2029 00:00:00	♁	04°57'38" ♂	-23°20'33" ♀	00°00'00" ♀	-00°04'08" ♀	0.002
26/05/2029 00:00:00	♁	09°20'39" ♂	18°40'32" ♀	04°17'55" ♀	-01°32'43" ♀	0.003
26/05/2029 00:00:00	X	26°23'06" ♂	01°02'13" ♀	-09°47'37" ♀	00°00'31" ♀	95.994
26/05/2029 00:00:00	Y	03°36'01" ♀	09°25'14" ♀	-11°38'48" ♀	00°00'49" ♀	83.169
27/05/2029 00:00:00	♁	06°00'30" ♀	21°18'23" ♀	-00°00'00" ♀	00°57'34" ♀	1.013
27/05/2029 00:00:00	♃	25°18'18" ♀	-22°18'49" ♀	-03°19'32" ♀	14°49'39" ♀	0.002
27/05/2029 00:00:00	♄	17°36'51" ♂	13°42'49" ♀	-03°30'29" ♀	00°05'22" ♀	0.630
27/05/2029 00:00:00	♀	22°39'20" ♀	23°58'13" ♀	00°44'22" ♀	01°13'24" ♀	1.628
27/05/2029 00:00:00	♂	27°31'10" ♂	01°48'03" ♀	00°53'16" ♀	00°13'51" ♀	0.910

Ephemerides year 2029

27/05/2029 00:00:00	♃	17°59'09" ♈	-05°42'42"	01°27'06"	-00°03'10"	4.719
27/05/2029 00:00:00	♃	17°20'34" ♈	14°59'38"	-02°05'49"	00°07'27"	10.123
27/05/2029 00:00:00	♃	13°49'11" ♈	22°27'23"	00°00'03"	00°03'30"	20.265
27/05/2029 00:00:00	♃	10°31'43" ♈	02°49'54"	-01°27'07"	00°01'28"	30.421
27/05/2029 00:00:00	♃	10°23'48" ♈	-22°59'55"	-05°34'56"	-00°00'25"	35.842
27/05/2029 00:00:00	♃	04°53'49" ♈	-23°20'42"	00°00'00"	-00°03'24"	0.002
27/05/2029 00:00:00	♃	09°56'33" ♈	13°50'07"	-01°00'35"	00°03'29"	18.391
27/05/2029 00:00:00	♃	19°42'55" ♈	12°20'31"	05°00'28"	00°06'43"	0.003
27/05/2029 00:00:00	♃	04°53'49" ♈	-23°20'42"	00°00'00"	-00°03'24"	0.002
27/05/2029 00:00:00	♃	07°49'26" ♈	18°15'07"	04°22'34"	-01°32'47"	0.003
27/05/2029 00:00:00	X	26°23'37" ♈	01°02'23"	-09°47'39"	00°00'31"	95.983
27/05/2029 00:00:00	Y	03°36'51" ♈	09°25'23"	-11°38'48"	00°00'49"	83.168
28/05/2029 00:00:00	♃	06°58'04" ♈	21°28'11"	-00°00'00"	00°57'33"	1.013
28/05/2029 00:00:00	♃	10°01'51" ♈	-24°07'16"	-02°11'40"	14°36'13"	0.002
28/05/2029 00:00:00	♃	17°44'29" ♈	13°39'11"	-03°36'27"	00°09'53"	0.641
28/05/2029 00:00:00	♃	23°52'44" ♈	24°04'15"	00°46'39"	01°13'23"	1.625
28/05/2029 00:00:00	♃	27°45'17" ♈	01°40'37"	00°51'17"	00°14'23"	0.917
28/05/2029 00:00:00	♃	17°56'04" ♈	-05°41'45"	01°26'52"	-00°03'00"	4.730
28/05/2029 00:00:00	♃	17°28'00" ♈	15°01'41"	-02°05'51"	00°07'25"	10.118

Ephemerides year 2029

28/05/2029 00:00:00	♃	13°52'42" ♀	22°27'49"	00°00'04"	00°03'31"	20.267
28/05/2029 00:00:00	♃	10°33'11" ♀	02°50'25"	-01°27'09"	00°01'26"	30.407
28/05/2029 00:00:00	♃	10°23'23" ♀	-23°00'14"	-05°35'10"	-00°00'26"	35.828
28/05/2029 00:00:00	♃	04°50'57" ♀	-23°20'48"	00°00'00"	-00°02'14"	0.002
28/05/2029 00:00:00	♃	10°00'02" ♀	13°51'07"	-01°00'41"	00°03'28"	18.383
28/05/2029 00:00:00	♃	19°49'38" ♀	12°22'54"	05°00'16"	00°06'43"	0.003
28/05/2029 00:00:00	♃	04°50'57" ♀	-23°20'48"	00°00'00"	-00°02'14"	0.002
28/05/2029 00:00:00	♃	06°08'29" ♀	17°46'17"	04°27'39"	-01°52'10"	0.003
28/05/2029 00:00:00	X	26°24'09" ♀	01°02'32"	-09°47'41"	00°00'30"	95.972
28/05/2029 00:00:00	Y	03°37'40" ♀	09°25'31"	-11°38'48"	00°00'49"	83.167
29/05/2029 00:00:00	♃	07°55'37" ♀	21°37'38"	-00°00'00"	00°57'32"	1.013
29/05/2029 00:00:00	♃	24°28'37" ♀	-24°15'37"	-00°56'26"	14°16'24"	0.002
29/05/2029 00:00:00	♃	17°56'37" ♀	13°37'49"	-03°41'20"	00°14'22"	0.654
29/05/2029 00:00:00	♃	25°06'07" ♀	24°09'34"	00°48'54"	01°13'22"	1.622
29/05/2029 00:00:00	♃	27°59'56" ♀	01°32'59"	00°49'19"	00°14'54"	0.924
29/05/2029 00:00:00	♃	17°53'09" ♀	-05°40'52"	01°26'37"	-00°02'50"	4.742
29/05/2029 00:00:00	♃	17°35'26" ♀	15°03'42"	-02°05'53"	00°07'24"	10.112
29/05/2029 00:00:00	♃	13°56'13" ♀	22°28'14"	00°00'04"	00°03'31"	20.269
29/05/2029 00:00:00	♃	10°34'36" ♀	02°50'56"	-01°27'12"	00°01'25"	30.393

Ephemerides year 2029

29/05/2029 00:00:00	♁	10°22'55" ♁	-23°00'35"	-05°35'23"	-00°00'27"	35.813
29/05/2029 00:00:00	♁	04°49'23" ♁	-23°20'51"	00°00'00"	-00°00'54"	0.002
29/05/2029 00:00:00	♁	10°03'30" ♁	13°52'07"	-01°00'47"	00°03'27"	18.375
29/05/2029 00:00:00	♁	19°56'21" ♁	12°25'16"	05°00'03"	00°06'43"	0.003
29/05/2029 00:00:00	♁	04°49'23" ♁	-23°20'51"	00°00'00"	-00°00'54"	0.002
29/05/2029 00:00:00	♁	04°00'29" ♁	17°08'32"	04°33'49"	-02°25'04"	0.003
29/05/2029 00:00:00	X	26°24'39" ♁	01°02'41"	-09°47'43"	00°00'30"	95.961
29/05/2029 00:00:00	Y	03°38'30" ♁	09°25'40"	-11°38'48"	00°00'49"	83.165
30/05/2029 00:00:00	♁	08°53'09" ♁	21°46'42"	-00°00'00"	00°57'31"	1.014
30/05/2029 00:00:00	♁	08°33'19" ♁	-22°49'06"	00°20'30"	13°52'32"	0.002
30/05/2029 00:00:00	♁	18°13'13" ♁	13°38'40"	-03°45'08"	00°18'48"	0.667
30/05/2029 00:00:00	♁	26°19'29" ♁	24°14'12" ♁	00°51'08"	01°13'21"	1.618
30/05/2029 00:00:00	♁	28°15'06" ♁	01°25'11"	00°47'23"	00°15'24"	0.931
30/05/2029 00:00:00	♁	17°50'24" ♁	-05°40'03"	01°26'22"	-00°02'39"	4.754
30/05/2029 00:00:00	♁	17°42'49" ♁	15°05'43"	-02°05'56"	00°07'22"	10.106
30/05/2029 00:00:00	♁	13°59'45" ♁	22°28'40"	00°00'05"	00°03'31"	20.270
30/05/2029 00:00:00	♁	10°36'01" ♁	02°51'27"	-01°27'15"	00°01'23"	30.379
30/05/2029 00:00:00	♁	10°22'27" ♁	-23°00'55"	-05°35'36"	-00°00'29"	35.799
30/05/2029 00:00:00	♁	04°49'06" ♁	-23°20'52"	00°00'00"	00°00'18"	0.002



Ephemerides year 2029

30/05/2029 00:00:00	♄	10°06'57" ♈	13°53'06"	-01°00'53"	00°03'26"	18.366
30/05/2029 00:00:00	♁	20°03'05" ♈	12°27'38"	04°59'51"	00°06'43"	0.003
30/05/2029 00:00:00	♁♁	04°49'06" ♈	-23°20'52"	00°00'00"	00°00'18"	0.002
30/05/2029 00:00:00	♁♁	01°18'40" ♈	16°18'57"	04°41'04"	-02°56'52"	0.003
30/05/2029 00:00:00	X	26°25'10" ♈	01°02'49"	-09°47'45"	00°00'30"	95.950
30/05/2029 00:00:00	Y	03°39'19" ♀	09°25'48"	-11°38'49"	00°00'49"	83.163
31/05/2029 00:00:00	♁	09°50'40" ♀	21°55'23"	00°00'00"	00°57'30"	1.014
31/05/2029 00:00:00	♁	22°13'11" ♈	-20°03'17"	01°34'09"	13°27'09"	0.003
31/05/2029 00:00:00	♁	18°34'13" ♈	13°41'42"	-03°47'55"	00°23'11"	0.681
31/05/2029 00:00:00	♁	27°32'49" ♀	24°18'06"	00°53'21"	01°13'19"	1.615
31/05/2029 00:00:00	♁	28°30'46" ♁	01°17'12"	00°45'28"	00°15'54"	0.938
31/05/2029 00:00:00	♁	17°47'49" ♁	-05°39'18"	01°26'07"	-00°02'29"	4.766
31/05/2029 00:00:00	♁	17°50'11" ♈	15°07'43"	-02°05'58"	00°07'21"	10.100
31/05/2029 00:00:00	♁	14°03'17" ♀	22°29'06"	00°00'06"	00°03'31"	20.271
31/05/2029 00:00:00	♁	10°37'23" ♈	02°51'57"	-01°27'18"	00°01'21"	30.365
31/05/2029 00:00:00	♁	10°21'56" ♁	-23°01'16"	-05°35'49"	-00°00'31"	35.785
31/05/2029 00:00:00	♁	04°49'52" ♈	-23°20'50"	00°00'00"	00°01'09"	0.002
31/05/2029 00:00:00	♁	10°10'22" ♈	13°54'04"	-01°00'59"	00°03'24"	18.357
31/05/2029 00:00:00	♁	20°09'48" ♈	12°30'00"	04°59'38"	00°06'43"	0.003

Ephemerides year 2029

31/05/2029 00:00:00	T♁	04°49'52" ♁	-23°20'50"	00°00'00"	00°01'09"	0.002
31/05/2029 00:00:00	T♄	28°12'44" ♁	15°19'28"	04°48'34"	-03°10'54"	0.003
31/05/2029 00:00:00	X	26°25'40" ♁	01°02'58"	-09°47'47"	00°00'29"	95.938
31/05/2029 00:00:00	Y	03°40'08" ♁	09°25'56"	-11°38'49"	00°00'49"	83.161
01/06/2029 00:00:00	☉	10°48'11" ♁	22°03'41"	00°00'00"	00°57'29"	1.014
01/06/2029 00:00:00	☾	05°27'52" ♁	-16°18'19"	02°40'29"	13°02'29"	0.003
01/06/2029 00:00:00	♃	18°59'34" ♁	13°46'48"	-03°49'42"	00°27'28"	0.696
01/06/2029 00:00:00	♀	28°46'08" ♁	24°21'18" ○	00°55'31"	01°13'18"	1.611
01/06/2029 00:00:00	♂	28°46'56" ♁	01°09'02"	00°43'34"	00°16'24"	0.945
01/06/2029 00:00:00	♂	17°45'25" ♁	-05°38'37"	01°25'52"	-00°02'18"	4.778
01/06/2029 00:00:00	♃	17°57'31" ♁	15°09'42"	-02°06'01"	00°07'19"	10.094
01/06/2029 00:00:00	♃	14°06'49" ♁	22°29'31"	00°00'06"	00°03'32"	20.273
01/06/2029 00:00:00	♃	10°38'44" ♁	02°52'26"	-01°27'21"	00°01'20"	30.350
01/06/2029 00:00:00	♃	10°21'25" ♁	-23°01'37"	-05°36'02"	-00°00'32"	35.771
01/06/2029 00:00:00	♁	04°51'16" ♁	-23°20'47"	00°00'00"	00°01'32"	0.002
01/06/2029 00:00:00	♃	10°13'46" ♁	13°55'02"	-01°01'05"	00°03'23"	18.348
01/06/2029 00:00:00	♃	20°16'31" ♁	12°32'22"	04°59'25"	00°06'43"	0.003
01/06/2029 00:00:00	T♁	04°51'16" ♁	-23°20'47"	00°00'00"	00°01'32"	0.002
01/06/2029 00:00:00	T♄	25°05'59" ♁	14°17'13"	04°55'12"	-02°58'04"	0.003

Ephemerides year 2029

01/06/2029 00:00:00	X	26°26'09" ♄	01°03'06"	-09°47'49"	00°00'29"	95.927
01/06/2029 00:00:00	Y	03°40'58" ♀	09°26'04"	-11°38'50"	00°00'49"	83.159
02/06/2029 00:00:00	☉	11°45'40" ♀	22°11'37"	00°00'00"	00°57'28"	1.014
02/06/2029 00:00:00	☾	18°18'59" ♁	-11°53'51"	03°36'42"	12°40'17"	0.003
02/06/2029 00:00:00	♀	19°29'09" ☿	13°53'55"	-03°50'30"	00°31'41"	0.711
02/06/2029 00:00:00	♀	29°59'26" ♀	24°23'47" ☉	00°57'39"	01°13'17"	1.608
02/06/2029 00:00:00	♂	29°03'34" ♃	01°00'42"	00°41'43"	00°16'52"	0.952
02/06/2029 00:00:00	♃	17°43'11" ♄	-05°38'00"	01°25'36"	-00°02'08"	4.791
02/06/2029 00:00:00	♅	18°04'50" ☿	15°11'40"	-02°06'04"	00°07'17"	10.087
02/06/2029 00:00:00	♁	14°10'21" ♀	22°29'57"	00°00'07"	00°03'32"	20.273
02/06/2029 00:00:00	♃	10°40'04" ♄	02°52'54"	-01°27'23"	00°01'18"	30.336
02/06/2029 00:00:00	♁	10°20'51" ♁	-23°01'59"	-05°36'15"	-00°00'34"	35.757
02/06/2029 00:00:00	♁	04°52'48" ☿	-23°20'44"	00°00'00"	00°01'25"	0.002
02/06/2029 00:00:00	♁	10°17'09" ☿	13°56'00"	-01°01'11"	00°03'21"	18.338
02/06/2029 00:00:00	♁	20°23'14" ♄	12°34'43"	04°59'12"	00°06'43"	0.003
02/06/2029 00:00:00	T♁	04°52'48" ☿	-23°20'44"	00°00'00"	00°01'25"	0.002
02/06/2029 00:00:00	T♁	22°24'16" ♄	13°21'27"	05°00'12"	-02°22'29"	0.003
02/06/2029 00:00:00	X	26°26'38" ♄	01°03'14"	-09°47'52"	00°00'28"	95.915
02/06/2029 00:00:00	Y	03°41'47" ♀	09°26'12"	-11°38'51"	00°00'49"	83.156

Ephemerides year 2029

03/06/2029 00:00:00	♁	12°43'09" ♀	22°19'09"	00°00'00"	00°57'28"	1.014
03/06/2029 00:00:00	♃	00°49'41" ♀	-07°06'21"	04°21'00"	12°21'45"	0.003
03/06/2029 00:00:00	♁	20°02'54" ♀	14°02'58"	-03°50'23"	00°35'47"	0.726
03/06/2029 00:00:00	♁	01°12'43" ♀	24°25'33" ♀	00°59'45"	01°13'16"	1.604
03/06/2029 00:00:00	♁	29°20'41" ♀	00°52'13"	00°39'52"	00°17'21"	0.959
03/06/2029 00:00:00	♁	17°41'08" ♀	-05°37'28"	01°25'21"	-00°01'57"	4.803
03/06/2029 00:00:00	♁	18°12'07" ♀	15°13'37"	-02°06'07"	00°07'15"	10.081
03/06/2029 00:00:00	♁	14°13'53" ♀	22°30'22"	00°00'07"	00°03'32"	20.274
03/06/2029 00:00:00	♁	10°41'22" ♀	02°53'22"	-01°27'26"	00°01'16"	30.321
03/06/2029 00:00:00	♁	10°20'16" ♀	-23°02'21"	-05°36'27"	-00°00'35"	35.744
03/06/2029 00:00:00	♁	04°53'59" ♀	-23°20'41"	00°00'00"	00°00'52"	0.002
03/06/2029 00:00:00	♁	10°20'30" ♀	13°56'56"	-01°01'17"	00°03'20"	18.329
03/06/2029 00:00:00	♁	20°29'58" ♀	12°37'05"	04°58'59"	00°06'43"	0.003
03/06/2029 00:00:00	♁	04°53'59" ♀	-23°20'41"	00°00'00"	00°00'52"	0.002
03/06/2029 00:00:00	♁	20°24'13" ♀	12°39'00"	05°03'25"	-01°37'12"	0.003
03/06/2029 00:00:00	♁	26°27'07" ♀	01°03'22"	-09°47'54"	00°00'28"	95.903
03/06/2029 00:00:00	♁	03°42'36" ♀	09°26'20"	-11°38'51"	00°00'48"	83.153
04/06/2029 00:00:00	♁	13°40'36" ♀	22°26'18"	00°00'00"	00°57'27"	1.014
04/06/2029 00:00:00	♃	13°03'57" ♀	-02°08'54"	04°52'21"	12°07'32"	0.003

Ephemerides year 2029

04/06/2029 00:00:00	♀	20°40'43" ♋	14°13'49"	-03°49'21"	00°39'48"	0.742
04/06/2029 00:00:00	♀	02°25'59" ♋	24°26'36" ♋	01°01'49"	01°13'15"	1.600
04/06/2029 00:00:00	♂	29°38'16" ♌	00°43'33"	00°38'03"	00°17'48"	0.967
04/06/2029 00:00:00	♋	17°39'16" ♌	-05°36'59"	01°25'06"	-00°01'47"	4.816
04/06/2029 00:00:00	♌	18°19'21" ♋	15°15'34"	-02°06'10"	00°07'13"	10.074
04/06/2029 00:00:00	♌	14°17'26" ♌	22°30'48"	00°00'08"	00°03'33"	20.274
04/06/2029 00:00:00	♍	10°42'38" ♌	02°53'49"	-01°27'29"	00°01'15"	30.306
04/06/2029 00:00:00	♌	10°19'40" ♌	-23°02'43"	-05°36'40"	-00°00'37"	35.730
04/06/2029 00:00:00	♌	04°54'28" ♌	-23°20'40"	00°00'00"	00°00'03"	0.002
04/06/2029 00:00:00	♌	10°23'49" ♋	13°57'53"	-01°01'24"	00°03'18"	18.319
04/06/2029 00:00:00	♌	20°36'41" ♌	12°39'25"	04°58'45"	00°06'43"	0.003
04/06/2029 00:00:00	T♌	04°54'28" ♌	-23°20'40"	00°00'00"	00°00'03"	0.002
04/06/2029 00:00:00	T♌	19°08'32" ♌	12°11'47"	05°05'14"	-00°55'41"	0.003
04/06/2029 00:00:00	X	26°27'35" ♌	01°03'30"	-09°47'57"	00°00'27"	95.890
04/06/2029 00:00:00	Y	03°43'25" ♌	09°26'27"	-11°38'53"	00°00'48"	83.150
05/06/2029 00:00:00	♌	14°38'03" ♌	22°33'03"	00°00'00"	00°57'26"	1.015
05/06/2029 00:00:00	♌	25°06'18" ♌	02°48'10"	05°10'16"	11°57'54"	0.003
05/06/2029 00:00:00	♀	21°22'30" ♋	14°26'24"	-03°47'28"	00°43'44"	0.759
05/06/2029 00:00:00	♀	03°39'14" ♋	24°26'56" ♋	01°03'51"	01°13'14"	1.597

Ephemerides year 2029

05/06/2029 00:00:00	♂	29°56'19" ♉	00°34'43"	00°36'15"	00°18'16"	0.974
05/06/2029 00:00:00	♃	17°37'34" ♈	-05°36'35"	01°24'50"	-00°01'36"	4.829
05/06/2029 00:00:00	♅	18°26'34" ♋	15°17'29"	-02°06'13"	00°07'12"	10.066
05/06/2029 00:00:00	♁	14°20'56" ♈	22°31'13"	00°00'08"	00°03'37"	20.274
05/06/2029 00:00:00	♆	10°43'52" ♋	02°54'15"	-01°27'32"	00°01'13"	30.291
05/06/2029 00:00:00	♁	10°19'02" ♈	-23°03'06"	-05°36'53"	-00°00'38"	35.717
05/06/2029 00:00:00	♄	04°54'04" ♈	-23°20'41"	00°00'00"	-00°00'51"	0.002
05/06/2029 00:00:00	♅	10°27'07" ♋	13°58'48"	-01°01'30"	00°03'17"	18.309
05/06/2029 00:00:00	♁	20°43'24" ♋	12°41'46"	04°58'32"	00°06'43"	0.003
05/06/2029 00:00:00	♄♁	04°54'04" ♈	-23°20'41"	00°00'00"	-00°00'51"	0.002
05/06/2029 00:00:00	♄♁	18°28'38" ♋	11°57'16"	05°06'05"	-00°26'37"	0.003
05/06/2029 00:00:00	X	26°28'02" ♋	01°03'37"	-09°47'59"	00°00'27"	95.878
05/06/2029 00:00:00	Y	03°44'13" ♈	09°26'35"	-11°38'54"	00°00'48"	83.146
06/06/2029 00:00:00	♁	15°35'30" ♈	22°39'24"	00°00'00"	00°57'26"	1.015
06/06/2029 00:00:00	♃	07°01'17" ♋	07°36'02"	05°14'37"	11°52'47"	0.003
06/06/2029 00:00:00	♆	22°08'09" ♋	14°40'37"	-03°44'46"	00°47'33"	0.776
06/06/2029 00:00:00	♀	04°52'28" ♋	24°26'33" ○	01°05'51"	01°13'13"	1.593
06/06/2029 00:00:00	♂	00°14'49" ♈	00°25'44"	00°34'29"	00°18'43"	0.981
06/06/2029 00:00:00	♃	17°36'03" ♈	-05°36'15"	01°24'34"	-00°01'25"	4.842

Ephemerides year 2029

06/06/2029 00:00:00	♃	18°33'46" ♀	15°19'23"	-02°06'16"	00°07'10"	10.059
06/06/2029 00:00:00	♅	14°24'29" ♀	22°31'38"	00°00'09"	00°03'32"	20.274
06/06/2029 00:00:00	♆	10°45'05" ♀	02°54'41"	-01°27'35"	00°01'11"	30.276
06/06/2029 00:00:00	♁	10°18'23" ♀	-23°03'29"	-05°37'05"	-00°00'39"	35.704
06/06/2029 00:00:00	♄	04°52'46" ♀	-23°20'44"	00°00'00"	-00°01'41"	0.002
06/06/2029 00:00:00	♁	10°30'23" ♀	13°59'44"	-01°01'37"	00°03'15"	18.298
06/06/2029 00:00:00	♁	20°50'07" ♀	12°44'07"	04°58'18"	00°06'43"	0.003
06/06/2029 00:00:00	♄	04°52'46" ♀	-23°20'44"	00°00'00"	-00°01'41"	0.002
06/06/2029 00:00:00	♁	18°09'59" ♀	11°50'26"	05°06'27"	-00°13'19"	0.003
06/06/2029 00:00:00	X	26°28'30" ♀	01°03'44"	-09°48'02"	00°00'26"	95.865
06/06/2029 00:00:00	Y	03°45'02" ♀	09°26'42"	-11°38'55"	00°00'48"	83.142
07/06/2029 00:00:00	♁	16°32'55" ♀	22°45'22"	00°00'00"	00°57'25"	1.015
07/06/2029 00:00:00	♂	18°53'16" ♀	12°06'11"	05°05'30"	11°51'52"	0.003
07/06/2029 00:00:00	♁	22°57'35" ♀	14°56'20"	-03°41'16"	00°51'17"	0.793
07/06/2029 00:00:00	♁	06°05'40" ♀	24°25'26" ○	01°07'47"	01°13'12"	1.589
07/06/2029 00:00:00	♁	00°33'45" ♀	00°16'36"	00°32'44"	00°19'09"	0.988
07/06/2029 00:00:00	♁	17°34'42" ♀	-05°35'59"	01°24'19"	-00°01'14"	4.855
07/06/2029 00:00:00	♃	18°40'55" ♀	15°21'17"	-02°06'20"	00°07'08"	10.051
07/06/2029 00:00:00	♅	14°28'02" ♀	22°32'03"	00°00'09"	00°03'32"	20.273

Ephemerides year 2029

07/06/2029 00:00:00	♁	10°46'16"	♄	02°55'06"	-01°27'38"	00°01'10"	30.261
07/06/2029 00:00:00	♁	10°17'43"	♁	-23°03'52"	-05°37'18"	-00°00'41"	35.691
07/06/2029 00:00:00	♁	04°50'45"	♁	-23°20'48"	00°00'00"	-00°02'17"	0.003
07/06/2029 00:00:00	♁	10°33'38"	♁	14°00'38"	-01°01'43"	00°03'13"	18.288
07/06/2029 00:00:00	♁	20°56'50"	♄	12°46'27"	04°58'05"	00°06'43"	0.003
07/06/2029 00:00:00	T♁	04°50'45"	♁	-23°20'48"	00°00'00"	-00°02'17"	0.003
07/06/2029 00:00:00	T♁	17°57'07"	♄	11°45'43"	05°06'42"	-00°14'29"	0.003
07/06/2029 00:00:00	X	26°28'56"	♄	01°03'51"	-09°48'04"	00°00'26"	95.852
07/06/2029 00:00:00	Y	03°45'50"	♁	09°26'49"	-11°38'57"	00°00'48"	83.138
08/06/2029 00:00:00	♁	17°30'21"	♁	22°50'55"	00°00'00"	00°57'24"	1.015
08/06/2029 00:00:00	♁	00°46'17"	♁	16°09'34"	04°43'18"	11°54'42"	0.003
08/06/2029 00:00:00	♁	23°50'42"	♁	15°13'28"	-03°37'01"	00°54'55"	0.811
08/06/2029 00:00:00	♁	07°18'52"	♁	24°23'37"	01°09'42"	01°13'11"	1.585
08/06/2029 00:00:00	♁	00°53'08"	♁	00°07'18"	00°31'00"	00°19'35"	0.995
08/06/2029 00:00:00	♁	17°33'33"	♁	-05°35'47"	01°24'03"	-00°01'04"	4.868
08/06/2029 00:00:00	♁	18°48'02"	♁	15°23'09"	-02°06'24"	00°07'05"	10.044
08/06/2029 00:00:00	♁	14°31'34"	♁	22°32'28"	00°00'10"	00°03'32"	20.273
08/06/2029 00:00:00	♁	10°47'25"	♄	02°55'30"	-01°27'41"	00°01'08"	30.245
08/06/2029 00:00:00	♁	10°17'01"	♁	-23°04'16"	-05°37'30"	-00°00'42"	35.678



Ephemerides year 2029

08/06/2029 00:00:00	♁	04°48'17" ♀	-23°20'54"	00°00'00"	-00°02'34"	0.003
08/06/2029 00:00:00	♋	10°36'51" ♂	14°01'32"	-01°01'49"	00°03'12"	18.277
08/06/2029 00:00:00	♌	21°03'33" ♀	12°48'47"	04°57'51"	00°06'43"	0.003
08/06/2029 00:00:00	T♁	04°48'17" ♀	-23°20'54"	00°00'00"	-00°02'34"	0.003
08/06/2029 00:00:00	T♌	17°38'02" ♀	11°38'45"	05°07'07"	-00°24'23"	0.003
08/06/2029 00:00:00	X	26°29'22" ♀	01°03'57"	-09°48'07"	00°00'26"	95.839
08/06/2029 00:00:00	Y	03°46'39" ♀	09°26'56"	-11°38'58"	00°00'48"	83.134
09/06/2029 00:00:00	♃	18°27'45" ♀	22°56'05"	00°00'00"	00°57'24"	1.015
09/06/2029 00:00:00	♄	12°43'45" ♂	19°36'04"	04°08'40"	12°00'43"	0.003
09/06/2029 00:00:00	♅	24°47'25" ♂	15°31'55"	-03°32'03"	00°58'29"	0.829
09/06/2029 00:00:00	♆	08°32'02" ♀	24°21'04"	♁ 01°11'34"	01°13'09"	1.581
09/06/2029 00:00:00	♇	01°12'56" ♀	-00°02'07"	00°29'17"	00°20'01"	1.002
09/06/2029 00:00:00	♈	17°32'34" ♀	-05°35'39"	01°23'47"	-00°00'53"	4.882
09/06/2029 00:00:00	♉	18°55'07" ♂	15°25'00"	-02°06'28"	00°07'03"	10.036
09/06/2029 00:00:00	♊	14°35'06" ♀	22°32'53"	00°00'10"	00°03'32"	20.272
09/06/2029 00:00:00	♋	10°48'33" ♀	02°55'54"	-01°27'44"	00°01'06"	30.230
09/06/2029 00:00:00	♌	10°16'18" ♀	-23°04'39"	-05°37'42"	-00°00'43"	35.665
09/06/2029 00:00:00	♁	04°45'43" ♀	-23°20'59"	00°00'00"	-00°02'30"	0.003
09/06/2029 00:00:00	♋	10°40'03" ♂	14°02'25"	-01°01'56"	00°03'10"	18.266

Ephemerides year 2029

09/06/2029 00:00:00	☾	21°10'16" ♀	12°51'07"	04°57'37"	00°06'43"	0.003
09/06/2029 00:00:00	♄	04°45'43" ♀	-23°20'59"	00°00'00"	-00°02'30"	0.003
09/06/2029 00:00:00	♄	17°08'50" ♀	11°28'06"	05°07'48"	-00°32'37"	0.003
09/06/2029 00:00:00	X	26°29'48" ♀	01°04'04"	-09°48'10"	00°00'25"	95.826
09/06/2029 00:00:00	Y	03°47'27" ♀	09°27'02"	-11°39'00"	00°00'48"	83.129
10/06/2029 00:00:00	☉	19°25'09" ♀	23°00'50"	00°00'00"	00°57'23"	1.015
10/06/2029 00:00:00	☾	24°48'34" ♀	22°14'31"	03°22'38"	12°09'17"	0.003
10/06/2029 00:00:00	♁	25°47'40" ♀	15°51'33"	-03°26'23"	01°01'58"	0.848
10/06/2029 00:00:00	♂	09°45'12" ♀	24°17'48"	01°13'23"	01°13'08"	1.577
10/06/2029 00:00:00	♂	01°33'10" ♀	-00°11'42"	00°27'36"	00°20'26"	1.009
10/06/2029 00:00:00	♂	17°31'46" ♀	-05°35'36"	01°23'31"	-00°00'42"	4.895
10/06/2029 00:00:00	♂	19°02'09" ♀	15°26'51"	-02°06'32"	00°07'01"	10.027
10/06/2029 00:00:00	♂	14°38'38" ♀	22°33'17"	00°00'11"	00°03'31"	20.270
10/06/2029 00:00:00	♂	10°49'39" ♀	02°56'17"	-01°27'47"	00°01'05"	30.214
10/06/2029 00:00:00	♂	10°15'33" ♀	-23°05'03"	-05°37'55"	-00°00'45"	35.653
10/06/2029 00:00:00	♄	04°43'22" ♀	-23°21'04"	00°00'00"	-00°02'07"	0.003
10/06/2029 00:00:00	♂	10°43'12" ♀	14°03'18"	-01°02'03"	00°03'08"	18.255
10/06/2029 00:00:00	☾	21°16'59" ♀	12°53'26"	04°57'22"	00°06'43"	0.003
10/06/2029 00:00:00	♄	04°43'22" ♀	-23°21'04"	00°00'00"	-00°02'07"	0.003

Ephemerides year 2029

10/06/2029 00:00:00	T♄	16°37'58" ♏	11°16'51"	05°08'32"	-00°25'21"	0.003
10/06/2029 00:00:00	X	26°30'14" ♏	01°04'10"	-09°48'13"	00°00'25"	95.812
10/06/2029 00:00:00	Y	03°48'15" ♏	09°27'09"	-11°39'02"	00°00'48"	83.124
11/06/2029 00:00:00	☉	20°22'32" ♏	23°05'11"	00°00'00"	00°57'22"	1.015
11/06/2029 00:00:00	☾	07°02'59" ♏	23°53'39" ♁	02°26'43"	12°19'47"	0.003
11/06/2029 00:00:00	♀	26°51'22" ♏	16°12'17"	-03°20'05"	01°05'23"	0.867
11/06/2029 00:00:00	♀	10°58'20" ♁	24°13'50" ♁	01°15'09"	01°13'07"	1.573
11/06/2029 00:00:00	♂	01°53'48" ♁	-00°21'26"	00°25'56"	00°20'50"	1.017
11/06/2029 00:00:00	♃	17°31'10" ♁	-05°35'36"	01°23'15"	-00°00'31"	4.909
11/06/2029 00:00:00	♅	19°09'10" ♏	15°28'40"	-02°06'36"	00°06'59"	10.019
11/06/2029 00:00:00	♁	14°42'10" ♏	22°33'42"	00°00'11"	00°03'31"	20.269
11/06/2029 00:00:00	♃	10°50'43" ♏	02°56'39"	-01°27'50"	00°01'03"	30.198
11/06/2029 00:00:00	♁	10°14'47" ♁	-23°05'28"	-05°38'07"	-00°00'46"	35.641
11/06/2029 00:00:00	♁	04°41'32" ♏	-23°21'08"	00°00'00"	-00°01'30"	0.003
11/06/2029 00:00:00	♃	10°46'20" ♏	14°04'10"	-01°02'09"	00°03'07"	18.243
11/06/2029 00:00:00	♄	21°23'42" ♏	12°55'46"	04°57'08"	00°06'43"	0.003
11/06/2029 00:00:00	T♁	04°41'32" ♏	-23°21'08"	00°00'00"	-00°01'30"	0.003
11/06/2029 00:00:00	T♄	16°27'24" ♏	11°13'09"	05°08'57"	00°09'25"	0.003
11/06/2029 00:00:00	X	26°30'39" ♏	01°04'16"	-09°48'16"	00°00'24"	95.799

Ephemerides year 2029

11/06/2029 00:00:00	Y	03°49'03" ♀	09°27'15"	-11°39'04"	00°00'47"	83.119
12/06/2029 00:00:00	☉	21°19'55" ♀	23°09'07"	00°00'00"	00°57'22"	1.015
12/06/2029 00:00:00	☾	19°28'37" ♀	24°23'50" ○	01°23'00"	12°31'40"	0.003
12/06/2029 00:00:00	♁	27°58'26" ♂	16°33'59"	-03°13'10"	01°08'45"	0.886
12/06/2029 00:00:00	♂	12°11'27" ♁	24°09'08" ○	01°16'52"	01°13'06"	1.569
12/06/2029 00:00:00	♂	02°14'51" ♁	-00°31'19"	00°24'18"	00°21'14"	1.024
12/06/2029 00:00:00	♃	17°30'44" ♃	-05°35'41"	01°22'59"	-00°00'20"	4.923
12/06/2029 00:00:00	♄	19°16'08" ♂	15°30'28"	-02°06'41"	00°06'56"	10.010
12/06/2029 00:00:00	♅	14°45'42" ♀	22°34'06"	00°00'12"	00°03'31"	20.267
12/06/2029 00:00:00	♆	10°51'45" ♂	02°57'01"	-01°27'54"	00°01'01"	30.183
12/06/2029 00:00:00	♇	10°14'00" ♁	-23°05'52"	-05°38'19"	-00°00'47"	35.628
12/06/2029 00:00:00	♈	04°40'22" ♂	-23°21'10"	00°00'00"	-00°00'48"	0.003
12/06/2029 00:00:00	♉	10°49'26" ♂	14°05'01"	-01°02'16"	00°03'05"	18.232
12/06/2029 00:00:00	♊	21°30'26" ♂	12°58'05"	04°56'53"	00°06'43"	0.003
12/06/2029 00:00:00	T♈	04°40'22" ♂	-23°21'10"	00°00'00"	-00°00'48"	0.003
12/06/2029 00:00:00	T♉	17°07'01" ♂	11°27'59"	05°08'26"	01°14'19"	0.003
12/06/2029 00:00:00	X	26°31'03" ♂	01°04'22"	-09°48'19"	00°00'24"	95.785
12/06/2029 00:00:00	Y	03°49'51" ♀	09°27'21"	-11°39'06"	00°00'47"	83.114
13/06/2029 00:00:00	☉	22°17'16" ♀	23°12'39"	-00°00'00"	00°57'21"	1.016

Ephemerides year 2029

13/06/2029 00:00:00	♃	02°06'37" ♉	23°39'15" ♉	00°14'07"	12°44'25"	0.003
13/06/2029 00:00:00	♆	29°08'51" ♋	16°56'32"	-03°05'39"	01°12'03"	0.906
13/06/2029 00:00:00	♀	13°24'33" ♉	24°03'45" ♉	01°18'32"	01°13'05"	1.565
13/06/2029 00:00:00	♂	02°36'18" ♈	-00°41'19"	00°22'40"	00°21'38"	1.031
13/06/2029 00:00:00	♂	17°30'29" ♈	-05°35'50"	01°22'43"	-00°00'09"	4.937
13/06/2029 00:00:00	♃	19°23'04" ♋	15°32'16"	-02°06'45"	00°06'54"	10.001
13/06/2029 00:00:00	♃	14°49'13" ♈	22°34'31"	00°00'13"	00°03'31"	20.265
13/06/2029 00:00:00	♃	10°52'46" ♈	02°57'21"	-01°27'57"	00°00'59"	30.167
13/06/2029 00:00:00	♃	10°13'12" ♈	-23°06'17"	-05°38'31"	-00°00'49"	35.617
13/06/2029 00:00:00	♃	04°39'55" ♈	-23°21'11"	00°00'00"	-00°00'07"	0.003
13/06/2029 00:00:00	♃	10°52'31" ♈	14°05'52"	-01°02'23"	00°03'03"	18.220
13/06/2029 00:00:00	♃	21°37'09" ♈	13°00'24"	04°56'39"	00°06'43"	0.003
13/06/2029 00:00:00	♃	04°39'55" ♈	-23°21'11"	00°00'00"	-00°00'07"	0.003
13/06/2029 00:00:00	♃	19°02'45" ♈	12°10'29"	05°06'14"	02°38'58"	0.003
13/06/2029 00:00:00	X	26°31'27" ♈	01°04'27"	-09°48'22"	00°00'23"	95.771
13/06/2029 00:00:00	Y	03°50'38" ♈	09°27'27"	-11°39'08"	00°00'47"	83.108
14/06/2029 00:00:00	♃	23°14'37" ♈	23°15'47"	-00°00'00"	00°57'20"	1.016
14/06/2029 00:00:00	♃	14°57'39" ♉	21°39'27"	-00°56'40"	12°57'43"	0.003
14/06/2029 00:00:00	♆	00°22'31" ♈	17°19'51"	-02°57'35"	01°15'18"	0.925

Ephemerides year 2029

14/06/2029 00:00:00	♀	14°37'38" ♉	23°57'39" ♉	01°20'09"	01°13'04"	1.561
14/06/2029 00:00:00	♂	02°58'08" ♉	-00°51'28"	00°21'04"	00°22'01"	1.038
14/06/2029 00:00:00	♃	17°30'25" ♉	-05°36'04"	01°22'27"	00°00'01"	4.951
14/06/2029 00:00:00	♅	19°29'57" ♉	15°34'02"	-02°06'50"	00°06'52"	9.992
14/06/2029 00:00:00	♁	14°52'44" ♉	22°34'55"	00°00'13"	00°03'30"	20.262
14/06/2029 00:00:00	♃	10°53'45" ♉	02°57'42"	-01°28'00"	00°00'57"	30.151
14/06/2029 00:00:00	♁	10°12'22" ♉	-23°06'42"	-05°38'43"	-00°00'50"	35.605
14/06/2029 00:00:00	♁	04°40'05" ♉	-23°21'11"	00°00'00"	00°00'25"	0.003
14/06/2029 00:00:00	♃	10°55'33" ♉	14°06'42"	-01°02'30"	00°03'01"	18.208
14/06/2029 00:00:00	♁	21°43'52" ♉	13°02'42"	04°56'24"	00°06'43"	0.003
14/06/2029 00:00:00	T♁	04°40'05" ♉	-23°21'11"	00°00'00"	00°00'25"	0.003
14/06/2029 00:00:00	T♁	22°25'02" ♉	13°22'48"	05°01'20"	04°03'44"	0.003
14/06/2029 00:00:00	X	26°31'50" ♉	01°04'32"	-09°48'25"	00°00'23"	95.757
14/06/2029 00:00:00	Y	03°51'26" ♉	09°27'33"	-11°39'11"	00°00'47"	83.102
15/06/2029 00:00:00	♁	24°11'58" ♉	23°18'30"	-00°00'00"	00°57'19"	1.016
15/06/2029 00:00:00	♃	28°02'09" ♉	18°29'47"	-02°05'47"	13°11'18"	0.003
15/06/2029 00:00:00	♁	01°39'26" ♉	17°43'46"	-02°49'00"	01°18'30"	0.945
15/06/2029 00:00:00	♀	15°50'41" ♉	23°50'52" ♉	01°21'43"	01°13'02"	1.556
15/06/2029 00:00:00	♂	03°20'21" ♉	-01°01'45"	00°19'29"	00°22'24"	1.045

Ephemerides year 2029

15/06/2029 00:00:00	♃	17°30'31" ♈	-05°36'21"	01°22'11"	00°00'12"	4.965
15/06/2029 00:00:00	♃	19°36'48" ♉	15°35'47"	-02°06'55"	00°06'49"	9.983
15/06/2029 00:00:00	♃	14°56'15" ♊	22°35'19"	00°00'14"	00°03'30"	20.260
15/06/2029 00:00:00	♃	10°54'42" ♋	02°58'01"	-01°28'03"	00°00'56"	30.135
15/06/2029 00:00:00	♃	10°11'31" ♌	-23°07'08"	-05°38'54"	-00°00'51"	35.593
15/06/2029 00:00:00	♃	04°40'42" ♍	-23°21'10"	00°00'00"	00°00'45"	0.003
15/06/2029 00:00:00	♃	10°58'33" ♎	14°07'31"	-01°02'37"	00°02'59"	18.195
15/06/2029 00:00:00	♃	21°50'35" ♏	13°05'01"	04°56'09"	00°06'43"	0.003
15/06/2029 00:00:00	♃	04°40'42" ♏	-23°21'10"	00°00'00"	00°00'45"	0.003
15/06/2029 00:00:00	♃	27°02'50" ♏	14°57'59"	04°52'48"	05°06'26"	0.003
15/06/2029 00:00:00	X	26°32'13" ♏	01°04'37"	-09°48'28"	00°00'22"	95.743
15/06/2029 00:00:00	Y	03°52'13" ♏	09°27'39"	-11°39'13"	00°00'46"	83.096
16/06/2029 00:00:00	♃	25°09'17" ♏	23°20'48"	-00°00'00"	00°57'18"	1.016
16/06/2029 00:00:00	♃	11°20'17" ♏	14°20'19"	-03°09'20"	13°24'59"	0.003
16/06/2029 00:00:00	♀	02°59'32" ♏	18°08'12"	-02°39'56"	01°21'40"	0.966
16/06/2029 00:00:00	♀	17°03'43" ♏	23°43'23"	01°23'14"	01°13'01"	1.552
16/06/2029 00:00:00	♂	03°42'57" ♏	-01°12'09"	00°17'56"	00°22'46"	1.053
16/06/2029 00:00:00	♃	17°30'49" ♏	-05°36'43"	01°21'54"	00°00'22"	4.979
16/06/2029 00:00:00	♃	19°43'36" ♏	15°37'31"	-02°07'00"	00°06'46"	9.973

Ephemerides year 2029

16/06/2029 00:00:00	♃	14°59'45" ♀	22°35'43"	00°00'14"	00°03'29"	20.257
16/06/2029 00:00:00	♃	10°55'37" ♀	02°58'20"	-01°28'06"	00°00'54"	30.119
16/06/2029 00:00:00	♃	10°10'39" ♀	-23°07'33"	-05°39'06"	-00°00'52"	35.582
16/06/2029 00:00:00	♃	04°41'32" ♀	-23°21'08"	00°00'00"	00°00'51"	0.003
16/06/2029 00:00:00	♃	11°01'32" ♀	14°08'20"	-01°02'43"	00°02'57"	18.183
16/06/2029 00:00:00	♃	21°57'18" ♀	13°07'19"	04°55'54"	00°06'43"	0.003
16/06/2029 00:00:00	♃	04°41'32" ♀	-23°21'08"	00°00'00"	00°00'51"	0.003
16/06/2029 00:00:00	♃	02°24'07" ♀	16°41'23"	04°40'30"	05°28'01"	0.003
16/06/2029 00:00:00	X	26°32'36" ♀	01°04'42"	-09°48'32"	00°00'22"	95.729
16/06/2029 00:00:00	Y	03°53'00" ♀	09°27'44"	-11°39'16"	00°00'46"	83.090
17/06/2029 00:00:00	♃	26°06'36" ♀	23°22'41"	-00°00'00"	00°57'18"	1.016
17/06/2029 00:00:00	♃	24°52'06" ♀	09°24'08"	-04°03'29"	13°38'36"	0.003
17/06/2029 00:00:00	♃	04°22'47" ♀	18°33'00"	-02°30'25"	01°24'48"	0.986
17/06/2029 00:00:00	♃	18°16'44" ♀	23°35'12" ○	01°24'42"	01°12'59"	1.548
17/06/2029 00:00:00	♃	04°05'55" ♀	-01°22'41"	00°16'23"	00°23'08"	1.060
17/06/2029 00:00:00	♃	17°31'17" ♀	-05°37'09"	01°21'38"	00°00'33"	4.993
17/06/2029 00:00:00	♃	19°50'21" ♀	15°39'14"	-02°07'06"	00°06'43"	9.964
17/06/2029 00:00:00	♃	15°03'15" ♀	22°36'07"	00°00'15"	00°03'29"	20.253
17/06/2029 00:00:00	♃	10°56'30" ♀	02°58'37"	-01°28'09"	00°00'52"	30.102



Ephemerides year 2029

17/06/2029 00:00:00	♁	10°09'45" ♁	-23°07'59"	-05°39'17"	-00°00'54"	35.571
17/06/2029 00:00:00	♁	04°42'21" ♁	-23°21'06"	00°00'00"	00°00'43"	0.003
17/06/2029 00:00:00	♂	11°04'28" ♂	14°09'08"	-01°02'50"	00°02'55"	18.170
17/06/2029 00:00:00	♁	22°04'01" ♁	13°09'37"	04°55'39"	00°06'43"	0.003
17/06/2029 00:00:00	♁	04°42'21" ♁	-23°21'06"	00°00'00"	00°00'43"	0.003
17/06/2029 00:00:00	♁	07°41'34" ♂	18°15'38"	04°25'53"	04°58'07"	0.003
17/06/2029 00:00:00	X	26°32'57" ♁	01°04'47"	-09°48'35"	00°00'21"	95.714
17/06/2029 00:00:00	Y	03°53'46" ♁	09°27'50"	-11°39'19"	00°00'46"	83.083
18/06/2029 00:00:00	♁	27°03'53" ♁	23°24'10"	-00°00'00"	00°57'17"	1.016
18/06/2029 00:00:00	♁	08°37'23" ♁	03°55'59"	-04°44'37"	13°51'51"	0.003
18/06/2029 00:00:00	♁	05°49'09" ♁	18°58'03"	-02°20'29"	01°27'55"	1.006
18/06/2029 00:00:00	♀	19°29'43" ♁	23°26'21" ♁	01°26'06"	01°12'58"	1.543
18/06/2029 00:00:00	♂	04°29'14" ♁	-01°33'20"	00°14'52"	00°23'29"	1.067
18/06/2029 00:00:00	♁	17°31'56" ♁	-05°37'38"	01°21'22"	00°00'44"	5.008
18/06/2029 00:00:00	♁	19°57'04" ♂	15°40'56"	-02°07'11"	00°06'41"	9.954
18/06/2029 00:00:00	♁	15°06'44" ♁	22°36'31"	00°00'15"	00°03'28"	20.250
18/06/2029 00:00:00	♁	10°57'22" ♁	02°58'55"	-01°28'13"	00°00'50"	30.086
18/06/2029 00:00:00	♁	10°08'50" ♁	-23°08'26"	-05°39'29"	-00°00'55"	35.560
18/06/2029 00:00:00	♁	04°42'57" ♁	-23°21'05"	00°00'00"	00°00'27"	0.002

Ephemerides year 2029

18/06/2029 00:00:00	♁	11°07'22" ♀	14°09'55"	-01°02'57"	00°02'53"	18.158
18/06/2029 00:00:00	♁	22°10'44" ♀	13°11'55"	04°55'23"	00°06'42"	0.003
18/06/2029 00:00:00	♁	04°42'57" ♀	-23°21'05"	00°00'00"	00°00'27"	0.002
18/06/2029 00:00:00	♁	12°04'22" ♀	19°27'02"	04°12'02"	03°40'53"	0.003
18/06/2029 00:00:00	X	26°33'19" ♀	01°04'51"	-09°48'38"	00°00'20"	95.699
18/06/2029 00:00:00	Y	03°54'32" ♀	09°27'55"	-11°39'22"	00°00'46"	83.076
19/06/2029 00:00:00	♁	28°01'10" ♀	23°25'14"	-00°00'00"	00°57'16"	1.016
19/06/2029 00:00:00	♁	22°35'32" ♀	-01°48'15"	-05°09'44"	14°04'14"	0.002
19/06/2029 00:00:00	♁	07°18'37" ♀	19°23'12"	-02°10'09"	01°31'00"	1.027
19/06/2029 00:00:00	♁	20°42'40" ♀	23°16'49"	01°27'27"	01°12'56"	1.539
19/06/2029 00:00:00	♁	04°52'54" ♀	-01°44'06"	00°13'22"	00°23'50"	1.074
19/06/2029 00:00:00	♁	17°32'46" ♀	-05°38'12"	01°21'06"	00°00'55"	5.022
19/06/2029 00:00:00	♁	20°03'43" ♀	15°42'37"	-02°07'17"	00°06'38"	9.944
19/06/2029 00:00:00	♁	15°10'13" ♀	22°36'55"	00°00'16"	00°03'28"	20.246
19/06/2029 00:00:00	♁	10°58'11" ♀	02°59'11"	-01°28'16"	00°00'48"	30.070
19/06/2029 00:00:00	♁	10°07'54" ♀	-23°08'52"	-05°39'40"	-00°00'56"	35.549
19/06/2029 00:00:00	♁	04°43'15" ♀	-23°21'04"	00°00'00"	00°00'07"	0.002
19/06/2029 00:00:00	♁	11°10'14" ♀	14°10'41"	-01°03'05"	00°02'50"	18.145
19/06/2029 00:00:00	♁	22°17'27" ♀	13°14'12"	04°55'08"	00°06'42"	0.003

Ephemerides year 2029

19/06/2029 00:00:00	T♄	04°43'15" ♄	-23°21'04"	00°00'00"	00°00'07"	0.002
19/06/2029 00:00:00	T♄	14°54'45" ♄	20°09'50"	04°02'15"	01°58'21"	0.003
19/06/2029 00:00:00	X	26°33'39" ♄	01°04'55"	-09°48'42"	00°00'20"	95.685
19/06/2029 00:00:00	Y	03°55'18" ♄	09°28'00"	-11°39'25"	00°00'45"	83.069
20/06/2029 00:00:00	♁	28°58'26" ♄	23°25'53"	-00°00'00"	00°57'15"	1.016
20/06/2029 00:00:00	♁	06°45'20" ♄	-07°31'30"	-05°16'34"	14°15'02"	0.002
20/06/2029 00:00:00	♁	08°51'09" ♄	19°48'19"	-01°59'29"	01°34'03"	1.047
20/06/2029 00:00:00	♁	21°55'36" ♄	23°06'37"	01°28'44"	01°12'55"	1.534
20/06/2029 00:00:00	♁	05°16'55" ♄	-01°54'58"	00°11'53"	00°24'11"	1.081
20/06/2029 00:00:00	♁	17°33'47" ♄	-05°38'50"	01°20'50"	00°01'05"	5.037
20/06/2029 00:00:00	♁	20°10'20" ♄	15°44'16"	-02°07'22"	00°06'35"	9.933
20/06/2029 00:00:00	♁	15°13'40" ♄	22°37'18"	00°00'16"	00°03'27"	20.242
20/06/2029 00:00:00	♁	10°58'59" ♄	02°59'27"	-01°28'19"	00°00'46"	30.053
20/06/2029 00:00:00	♁	10°06'57" ♄	-23°09'18"	-05°39'51"	-00°00'57"	35.539
20/06/2029 00:00:00	♁	04°43'13" ♄	-23°21'04"	00°00'00"	-00°00'09"	0.002
20/06/2029 00:00:00	♁	11°13'04" ♄	14°11'27"	-01°03'12"	00°02'48"	18.131
20/06/2029 00:00:00	♁	22°24'10" ♄	13°16'29"	04°54'52"	00°06'42"	0.003
20/06/2029 00:00:00	T♄	04°43'13" ♄	-23°21'04"	00°00'00"	-00°00'09"	0.002
20/06/2029 00:00:00	T♄	16°04'18" ♄	20°26'28"	03°58'05"	00°25'19"	0.003

Ephemerides year 2029

20/06/2029 00:00:00	X	26°33'59" ♃	01°04'59"	-09°48'45"	00°00'19"	95.670
20/06/2029 00:00:00	Y	03°56'04" ♃	09°28'04"	-11°39'28"	00°00'45"	83.061
21/06/2029 00:00:00	☉	29°55'41" ♃	23°26'07"	-00°00'00"	00°57'14"	1.016
21/06/2029 00:00:00	☾	21°04'47" ♌	-12°54'57"	-05°04'00"	14°23'20"	0.002
21/06/2029 00:00:00	♀	10°26'44" ♃	20°13'14"	-01°48'30"	01°37'05"	1.068
21/06/2029 00:00:00	♀	23°08'30" ♉	22°55'46"	01°29'57"	01°12'53"	1.530
21/06/2029 00:00:00	♂	05°41'17" ♌	-02°05'58"	00°10'25"	00°24'31"	1.088
21/06/2029 00:00:00	♃	17°34'58" ♌	-05°39'33"	01°20'34"	00°01'16"	5.052
21/06/2029 00:00:00	♅	20°16'54" ♃	15°45'55"	-02°07'28"	00°06'32"	9.923
21/06/2029 00:00:00	♁	15°17'08" ♃	22°37'41"	00°00'17"	00°03'27"	20.238
21/06/2029 00:00:00	♃	10°59'44" ♃	02°59'41"	-01°28'22"	00°00'44"	30.037
21/06/2029 00:00:00	♁	10°05'59" ♃	-23°09'45"	-05°40'02"	-00°00'58"	35.529
21/06/2029 00:00:00	♁	04°42'58" ♃	-23°21'05"	00°00'00"	00°08'42"	0.002
21/06/2029 00:00:00	♁	11°15'51" ♃	14°12'12"	-01°03'19"	00°02'46"	18.118
21/06/2029 00:00:00	♁	22°30'53" ♃	13°18'46"	04°54'36"	00°06'42"	0.003
21/06/2029 00:00:00	T♁	04°42'58" ♃	-23°21'05"	00°00'00"	00°08'42"	0.002
21/06/2029 00:00:00	T♁	15°58'31" ♃	20°25'05"	03°58'25"	-01°24'02"	0.003
21/06/2029 00:00:00	X	26°34'19" ♃	01°05'02"	-09°48'49"	00°00'19"	95.655
21/06/2029 00:00:00	Y	03°56'49" ♃	09°28'09"	-11°39'31"	00°00'45"	83.053

Ephemerides year 2029

22/06/2029 00:00:00	♁	00°52'56" ♃	23°25'56"	-00°00'00"	00°57'14"	1.016
22/06/2029 00:00:00	♃	05°30'50" ♉	-17°37'56"	-04°32'18"	14°28'06"	0.002
22/06/2029 00:00:00	♄	12°05'20" ♈	20°37'47"	-01°37'16"	01°40'05"	1.088
22/06/2029 00:00:00	♅	24°21'23" ♃	22°44'15"	01°31'07"	01°12'51"	1.525
22/06/2029 00:00:00	♆	06°05'58" ♈	-02°17'04"	00°08'59"	00°24'50"	1.096
22/06/2029 00:00:00	♇	17°36'20" ♈	-05°40'19"	01°20'18"	00°01'27"	5.067
22/06/2029 00:00:00	♈	20°23'25" ♉	15°47'32"	-02°07'34"	00°06'29"	9.912
22/06/2029 00:00:00	♉	15°20'35" ♈	22°38'04"	00°00'17"	00°03'26"	20.234
22/06/2029 00:00:00	♊	11°00'28" ♈	02°59'56"	-01°28'26"	00°00'43"	30.020
22/06/2029 00:00:00	♋	10°05'00" ♉	-23°10'12"	-05°40'13"	-00°00'59"	35.519
22/06/2029 00:00:00	♌	04°42'36" ♉	-23°21'06"	00°00'00"	-00°00'22"	0.002
22/06/2029 00:00:00	♍	11°18'37" ♉	14°12'56"	-01°03'26"	00°02'44"	18.104
22/06/2029 00:00:00	♎	22°37'36" ♈	13°21'03"	04°54'20"	00°06'43"	0.003
22/06/2029 00:00:00	♏	04°42'36" ♉	-23°21'06"	00°00'00"	-00°00'22"	0.002
22/06/2029 00:00:00	♐	15°20'01" ♉	20°15'54"	04°00'43"	-00°42'09"	0.003
22/06/2029 00:00:00	♑	26°34'38" ♈	01°05'06"	-09°48'52"	00°00'18"	95.639
22/06/2029 00:00:00	♒	03°57'34" ♈	09°28'13"	-11°39'35"	00°00'44"	83.045
23/06/2029 00:00:00	♁	01°50'10" ♃	23°25'21"	-00°00'00"	00°57'13"	1.016
23/06/2029 00:00:00	♃	19°59'30" ♉	-21°19'00"	-03°43'12"	14°28'24"	0.002

Ephemerides year 2029

23/06/2029 00:00:00	♀	13°46'54" ♀	21°01'50"	-01°25'49"	01°43'02"	1.108
23/06/2029 00:00:00	♀	25°34'14" ♀	22°32'05"	01°32'14"	01°12'50"	1.520
23/06/2029 00:00:00	♂	06°30'58" ♂	-02°28'16"	00°07'33"	00°25'10"	1.103
23/06/2029 00:00:00	♂	17°37'53" ♂	-05°41'09"	01°20'01"	00°01'37"	5.081
23/06/2029 00:00:00	♂	20°29'53" ♂	15°49'08"	-02°07'40"	00°06'26"	9.901
23/06/2029 00:00:00	♂	15°24'01" ♀	22°38'27"	00°00'18"	00°03'25"	20.229
23/06/2029 00:00:00	♂	11°01'10" ♂	03°00'09"	-01°28'29"	00°00'41"	30.004
23/06/2029 00:00:00	♂	10°03'59" ♂	-23°10'39"	-05°40'24"	-00°01'00"	35.509
23/06/2029 00:00:00	♂	04°42'15" ♂	-23°21'06"	00°00'00"	-00°00'17"	0.002
23/06/2029 00:00:00	♂	11°21'20" ♂	14°13'39"	-01°03'33"	00°02'42"	18.091
23/06/2029 00:00:00	♂	22°44'19" ♂	13°23'20"	04°54'04"	00°06'43"	0.003
23/06/2029 00:00:00	T♂	04°42'15" ♂	-23°21'06"	00°00'00"	-00°00'17"	0.002
23/06/2029 00:00:00	T♂	14°41'00" ♂	20°06'27"	04°03'03"	-00°34'45"	0.003
23/06/2029 00:00:00	X	26°34'56" ♂	01°05'09"	-09°48'56"	00°00'18"	95.624
23/06/2029 00:00:00	Y	03°58'19" ♀	09°28'17"	-11°39'39"	00°00'44"	83.037
24/06/2029 00:00:00	♂	02°47'23" ♀	23°24'21"	-00°00'00"	00°57'13"	1.016
24/06/2029 00:00:00	♂	04°25'58" ♂	-23°38'44"	-02°40'02"	14°23'40"	0.002
24/06/2029 00:00:00	♀	15°31'24" ♀	21°25'11"	-01°14'11"	01°45'56"	1.128
24/06/2029 00:00:00	♀	26°47'04" ♀	22°19'17"	01°33'16"	01°12'48"	1.516

Ephemerides year 2029

24/06/2029 00:00:00	♂	06°56'18" ♄	-02°39'34"	00°06'09"	00°25'28"	1.110
24/06/2029 00:00:00	♃	17°39'36" ♄	-05°42'03"	01°19'45"	00°01'48"	5.096
24/06/2029 00:00:00	♅	20°36'18" ☿	15°50'43"	-02°07'47"	00°06'23"	9.890
24/06/2029 00:00:00	♁	15°27'26" ♀	22°38'50"	00°00'18"	00°03'25"	20.224
24/06/2029 00:00:00	♆	11°01'51" ♀	03°00'22"	-01°28'32"	00°00'39"	29.987
24/06/2029 00:00:00	♁	10°02'58" ♁	-23°11'06"	-05°40'34"	-00°01'01"	35.499
24/06/2029 00:00:00	♁	04°42'01" ♁	-23°21'07"	00°00'00"	-00°00'09"	0.002
24/06/2029 00:00:00	♃	11°24'01" ☿	14°14'22"	-01°03'41"	00°02'40"	18.077
24/06/2029 00:00:00	♁	22°51'03" ♀	13°25'36"	04°53'48"	00°06'43"	0.003
24/06/2029 00:00:00	T♁	04°42'01" ♁	-23°21'07"	00°00'00"	-00°00'09"	0.002
24/06/2029 00:00:00	T♁	14°08'46" ☿	19°58'33"	04°04'57"	-00°32'08"	0.003
24/06/2029 00:00:00	X	26°35'14" ♀	01°05'12"	-09°48'59"	00°00'17"	95.609
24/06/2029 00:00:00	Y	03°59'04" ♀	09°28'21"	-11°39'42"	00°00'44"	83.029
25/06/2029 00:00:00	♁	03°44'36" ♁	23°22'56"	-00°00'00"	00°57'12"	1.016
25/06/2029 00:00:00	♁	18°45'08" ♁	-24°24'31"	-01°27'17"	14°13'49"	0.002
25/06/2029 00:00:00	♁	17°18'46" ♀	21°47'40"	-01°02'26"	01°48'47"	1.148
25/06/2029 00:00:00	♀	27°59'52" ♁	22°05'52"	01°34'14"	01°12'47"	1.511
25/06/2029 00:00:00	♂	07°21'56" ♄	-02°50'58"	00°04'45"	00°25'47"	1.117
25/06/2029 00:00:00	♃	17°41'30" ♄	-05°43'01"	01°19'29"	00°01'58"	5.111

Ephemerides year 2029

25/06/2029 00:00:00	♃	20°42'40" ♀	15°52'16"	-02°07'53"	00°06'20"	9.879
25/06/2029 00:00:00	♃	15°30'51" ♀	22°39'13"	00°00'19"	00°03'24"	20.219
25/06/2029 00:00:00	♃	11°02'29" ♀	03°00'34"	-01°28'36"	00°00'37"	29.970
25/06/2029 00:00:00	♃	10°01'56" ♀	-23°11'34"	-05°40'45"	-00°01'02"	35.490
25/06/2029 00:00:00	♃	04°41'55" ♀	-23°21'07"	00°00'00"	-00°00'02"	0.002
25/06/2029 00:00:00	♃	11°26'40" ♀	14°15'04"	-01°03'48"	00°02'37"	18.063
25/06/2029 00:00:00	♃	22°57'46" ♀	13°27'52"	04°53'32"	00°06'43"	0.003
25/06/2029 00:00:00	♃	04°41'55" ♀	-23°21'07"	00°00'00"	-00°00'02"	0.002
25/06/2029 00:00:00	♃	13°30'10" ♀	19°48'56"	04°07'12"	-00°48'43"	0.003
25/06/2029 00:00:00	X	26°35'32" ♀	01°05'14"	-09°49'03"	00°00'17"	95.593
25/06/2029 00:00:00	Y	03°59'48" ♀	09°28'25"	-11°39'46"	00°00'44"	83.020
26/06/2029 00:00:00	♃	04°41'49" ♀	23°21'07"	-00°00'00"	00°57'12"	1.016
26/06/2029 00:00:00	♃	02°52'06" ♀	-23°34'24"	-00°10'08"	13°59'24"	0.002
26/06/2029 00:00:00	♃	19°08'57" ♀	22°09'04"	-00°50'37"	01°51'33"	1.167
26/06/2029 00:00:00	♃	29°12'38" ♀	21°51'49"	01°35'09"	01°12'45"	1.506
26/06/2029 00:00:00	♃	07°47'52" ♀	-03°02'28"	00°03'23"	00°26'05"	1.124
26/06/2029 00:00:00	♃	17°43'34" ♀	-05°44'03"	01°19'13"	00°02'09"	5.126
26/06/2029 00:00:00	♃	20°48'59" ♀	15°53'49"	-02°08'00"	00°06'17"	9.868
26/06/2029 00:00:00	♃	15°34'15" ♀	22°39'35"	00°00'20"	00°03'23"	20.213



Ephemerides year 2029

26/06/2029 00:00:00	♃	11°03'06" ♃	03°00'45"	-01°28'39"	00°00'35"	29.954
26/06/2029 00:00:00	♄	10°00'52" ♄	-23°12'01"	-05°40'55"	-00°01'03"	35.481
26/06/2029 00:00:00	♅	04°41'54" ♅	-23°21'07"	00°00'00"	00°00'00"	0.002
26/06/2029 00:00:00	♆	11°29'17" ♆	14°15'45"	-01°03'55"	00°02'35"	18.048
26/06/2029 00:00:00	♇	23°04'29" ♇	13°30'08"	04°53'15"	00°06'43"	0.003
26/06/2029 00:00:00	♁	04°41'54" ♁	-23°21'07"	00°00'00"	00°00'00"	0.002
26/06/2029 00:00:00	♂	12°24'23" ♂	19°32'14"	04°10'57"	-01°25'44"	0.003
26/06/2029 00:00:00	♁	26°35'49" ♁	01°05'17"	-09°49'07"	00°00'16"	95.577
26/06/2029 00:00:00	♂	04°00'32" ♂	09°28'29"	-11°39'50"	00°00'43"	83.011
27/06/2029 00:00:00	♁	05°39'01" ♁	23°18'53"	00°00'00"	00°57'12"	1.017
27/06/2029 00:00:00	♂	16°42'45" ♂	-21°17'47"	01°06'08"	13°41'26"	0.003
27/06/2029 00:00:00	♁	21°01'51" ♁	22°29'12"	-00°38'48"	01°54'12"	1.185
27/06/2029 00:00:00	♂	00°25'23" ♂	21°37'09"	01°35'59"	01°12'43"	1.501
27/06/2029 00:00:00	♂	08°14'06" ♂	-03°14'04"	00°02'02"	00°26'22"	1.131
27/06/2029 00:00:00	♁	17°45'48" ♁	-05°45'09"	01°18'57"	00°02'19"	5.141
27/06/2029 00:00:00	♂	20°55'14" ♂	15°55'20"	-02°08'07"	00°06'13"	9.856
27/06/2029 00:00:00	♁	15°37'38" ♁	22°39'58"	00°00'20"	00°03'22"	20.207
27/06/2029 00:00:00	♃	11°03'40" ♃	03°00'55"	-01°28'42"	00°00'33"	29.937
27/06/2029 00:00:00	♄	09°59'48" ♄	-23°12'29"	-05°41'06"	-00°01'04"	35.472

Ephemerides year 2029

27/06/2029 00:00:00	♏	04°41'54" ♀	-23°21'07"	00°00'00"	-00°00'02"	0.002
27/06/2029 00:00:00	♋	11°31'51" ♂	14°16'25"	-01°04'03"	00°02'32"	18.034
27/06/2029 00:00:00	♏	23°11'12" ♀	13°32'24"	04°52'58"	00°06'43"	0.003
27/06/2029 00:00:00	T♏	04°41'54" ♀	-23°21'07"	00°00'00"	-00°00'02"	0.002
27/06/2029 00:00:00	T♏	10°34'57" ♂	19°03'30"	04°16'58"	-02°13'40"	0.003
27/06/2029 00:00:00	X	26°36'05" ♀	01°05'19"	-09°49'11"	00°00'16"	95.562
27/06/2029 00:00:00	Y	04°01'16" ♀	09°28'32"	-11°39'54"	00°00'43"	83.002
28/06/2029 00:00:00	♏	06°36'13" ♀	23°16'15"	00°00'00"	00°57'11"	1.017
28/06/2029 00:00:00	♏	00°14'15" ♀	-17°51'58"	02°16'55"	13°21'21"	0.003
28/06/2029 00:00:00	♏	22°57'20" ♀	22°47'53"	-00°27'02"	01°56'45"	1.203
28/06/2029 00:00:00	♏	01°38'06" ♀	21°21'54"	01°36'46"	01°12'42"	1.496
28/06/2029 00:00:00	♏	08°40'37" ♀	-03°25'45"	00°00'41"	00°26'39"	1.138
28/06/2029 00:00:00	♏	17°48'13" ♀	-05°46'19"	01°18'41"	00°02'29"	5.157
28/06/2029 00:00:00	♏	21°01'26" ♀	15°56'51"	-02°08'14"	00°06'10"	9.845
28/06/2029 00:00:00	♏	15°41'00" ♀	22°40'20"	00°00'21"	00°03'21"	20.201
28/06/2029 00:00:00	♏	11°04'13" ♀	03°01'05"	-01°28'46"	00°00'31"	29.920
28/06/2029 00:00:00	♏	09°58'42" ♀	-23°12'57"	-05°41'16"	-00°01'05"	35.463
28/06/2029 00:00:00	♏	04°41'48" ♀	-23°21'07"	00°00'00"	-00°00'09"	0.002
28/06/2029 00:00:00	♏	11°34'23" ♀	14°17'05"	-01°04'10"	00°02'30"	18.020

Ephemerides year 2029

28/06/2029 00:00:00	☾	23°17'55" ♀	13°34'39"	04°52'41"	00°06'43"	0.003
28/06/2029 00:00:00	♄	04°41'48" ♀	-23°21'07"	00°00'00"	-00°00'09"	0.002
28/06/2029 00:00:00	♄	07°58'58" ♀	18°20'37"	04°25'05"	-02°55'47"	0.003
28/06/2029 00:00:00	X	26°36'21" ♀	01°05'21"	-09°49'15"	00°00'15"	95.546
28/06/2029 00:00:00	Y	04°01'59" ♀	09°28'36"	-11°39'59"	00°00'42"	82.992
29/06/2029 00:00:00	☉	07°33'24" ♀	23°13'12"	00°00'00"	00°57'11"	1.017
29/06/2029 00:00:00	☾	13°25'17" ♀	-13°37'00"	03°18'32"	13°00'43"	0.003
29/06/2029 00:00:00	♀	24°55'18" ♀	23°04'53"	-00°15'23"	01°59'08"	1.220
29/06/2029 00:00:00	♀	02°50'48" ♀	21°06'02"	01°37'28"	01°12'40"	1.491
29/06/2029 00:00:00	♂	09°07'26" ♀	-03°37'31"	-00°00'37"	00°26'56"	1.145
29/06/2029 00:00:00	♂	17°50'47" ♀	-05°47'32"	01°18'25"	00°02'39"	5.172
29/06/2029 00:00:00	♃	21°07'35" ♀	15°58'20"	-02°08'21"	00°06'06"	9.833
29/06/2029 00:00:00	♃	15°44'21" ♀	22°40'42"	00°00'21"	00°03'20"	20.195
29/06/2029 00:00:00	♃	11°04'43" ♀	03°01'14"	-01°28'49"	00°00'29"	29.903
29/06/2029 00:00:00	♃	09°57'36" ♀	-23°13'25"	-05°41'26"	-00°01'06"	35.455
29/06/2029 00:00:00	♄	04°41'34" ♀	-23°21'08"	00°00'00"	-00°00'19"	0.002
29/06/2029 00:00:00	♃	11°36'52" ♀	14°17'43"	-01°04'18"	00°02'28"	18.005
29/06/2029 00:00:00	☾	23°24'38" ♀	13°36'54"	04°52'24"	00°06'42"	0.003
29/06/2029 00:00:00	♄	04°41'34" ♀	-23°21'08"	00°00'00"	-00°00'19"	0.002

Ephemerides year 2029

29/06/2029 00:00:00	T♄	04°50'58" ♄	17°26'06"	04°34'07"	-03°15'27"	0.003
29/06/2029 00:00:00	X	26°36'36" ♄	01°05'23"	-09°49'18"	00°00'14"	95.530
29/06/2029 00:00:00	Y	04°02'41" ♀	09°28'39"	-11°40'03"	00°00'42"	82.983
30/06/2029 00:00:00	♁	08°30'36" ♁	23°09'44"	00°00'00"	00°57'11"	1.017
30/06/2029 00:00:00	♂	26°16'02" ♁	-08°51'37"	04°08'27"	12°41'03"	0.003
30/06/2029 00:00:00	♀	26°55'34" ♀	23°20'03"	-00°03'56"	02°01'21"	1.236
30/06/2029 00:00:00	♀	04°03'27" ♀	20°49'36"	01°38'06"	01°12'39"	1.486
30/06/2029 00:00:00	♂	09°34'31" ♁	-03°49'22"	-00°01'55"	00°27'13"	1.152
30/06/2029 00:00:00	♃	17°53'32" ♁	-05°48'50"	01°18'10"	00°02'49"	5.187
30/06/2029 00:00:00	♃	21°13'40" ♄	15°59'47"	-02°08'28"	00°06'03"	9.821
30/06/2029 00:00:00	♃	15°47'42" ♀	22°41'03"	00°00'22"	00°03'19"	20.189
30/06/2029 00:00:00	♃	11°05'12" ♄	03°01'22"	-01°28'52"	00°00'27"	29.887
30/06/2029 00:00:00	♃	09°56'29" ♁	-23°13'53"	-05°41'36"	-00°01'07"	35.447
30/06/2029 00:00:00	♁	04°41'10" ♄	-23°21'09"	00°00'00"	-00°00'27"	0.002
30/06/2029 00:00:00	♃	11°39'19" ♄	14°18'21"	-01°04'25"	00°02'25"	17.990
30/06/2029 00:00:00	♃	23°31'21" ♄	13°39'09"	04°52'07"	00°06'42"	0.003
30/06/2029 00:00:00	T♁	04°41'10" ♄	-23°21'09"	00°00'00"	-00°00'27"	0.002
30/06/2029 00:00:00	T♄	01°38'00" ♄	16°27'07"	04°42'32"	-03°05'46"	0.003
30/06/2029 00:00:00	X	26°36'50" ♄	01°05'24"	-09°49'22"	00°00'14"	95.514

Ephemerides year 2029

30/06/2029 00:00:00	Y	04°03'24" ♀	09°28'42"	-11°40'07"	00°00'42"	82.973
01/07/2029 00:00:00	☉	09°27'48" ♄	23°05'53"	00°00'00"	00°57'11"	1.017
01/07/2029 00:00:00	☾	08°48'09" ♃	-03°51'31"	04°45'08"	12°23'39"	0.003
01/07/2029 00:00:00	♀	28°57'57" ♀	23°33'09" ♁	00°07'16"	02°03'22"	1.251
01/07/2029 00:00:00	♀	05°16'06" ♁	20°32'36"	01°38'40"	01°12'37"	1.481
01/07/2029 00:00:00	♂	10°01'53" ♁	-04°01'18"	-00°03'13"	00°27'30"	1.159
01/07/2029 00:00:00	♃	17°56'27" ♁	-05°50'11"	01°17'54"	00°02'59"	5.202
01/07/2029 00:00:00	♅	21°19'42" ♄	16°01'14"	-02°08'35"	00°05'59"	9.808
01/07/2029 00:00:00	♁	15°51'01" ♀	22°41'25"	00°00'22"	00°03'18"	20.182
01/07/2029 00:00:00	♃	11°05'39" ♄	03°01'29"	-01°28'56"	00°00'25"	29.870
01/07/2029 00:00:00	♁	09°55'20" ♃	-23°14'21"	-05°41'45"	-00°01'08"	35.439
01/07/2029 00:00:00	♁	04°40'41" ♄	-23°21'10"	00°00'00"	-00°00'30"	0.002
01/07/2029 00:00:00	♃	11°41'43" ♄	14°18'58"	-01°04'33"	00°02'22"	17.975
01/07/2029 00:00:00	♁	23°38'04" ♄	13°41'23"	04°51'50"	00°06'42"	0.003
01/07/2029 00:00:00	T♁	04°40'41" ♄	-23°21'10"	00°00'00"	-00°00'30"	0.002
01/07/2029 00:00:00	T♃	28°46'57" ♄	15°32'27"	04°49'15"	-02°33'45"	0.003
01/07/2029 00:00:00	X	26°37'04" ♄	01°05'25"	-09°49'26"	00°00'13"	95.498
01/07/2029 00:00:00	Y	04°04'06" ♀	09°28'45"	-11°40'12"	00°00'41"	82.963
02/07/2029 00:00:00	☉	10°24'59" ♄	23°01'37"	00°00'00"	00°57'11"	1.017

Ephemerides year 2029

02/07/2029 00:00:00	♃	21°04'26"	♈	01°10'50"	♋	05°07'53"	♏	12°09'32"	0.003
02/07/2029 00:00:00	♆	01°02'15"	♁	23°44'02"	♍	00°18'09"	♏	02°05'09"	1.265
02/07/2029 00:00:00	♀	06°28'42"	♏	20°15'01"	♋	01°39'09"	♏	01°12'35"	1.476
02/07/2029 00:00:00	♂	10°29'31"	♌	-04°13'20"	♏	-00°04'29"	♏	00°27'46"	1.166
02/07/2029 00:00:00	♃	17°59'32"	♌	-05°51'36"	♏	01°17'38"	♏	00°03'09"	5.218
02/07/2029 00:00:00	♃	21°25'40"	♏	16°02'39"	♏	-02°08'43"	♏	00°05'56"	9.796
02/07/2029 00:00:00	♃	15°54'19"	♏	22°41'46"	♏	00°00'23"	♏	00°03'17"	20.175
02/07/2029 00:00:00	♃	11°06'03"	♏	03°01'36"	♏	-01°28'59"	♏	00°00'23"	29.853
02/07/2029 00:00:00	♃	09°54'11"	♏	-23°14'49"	♏	-05°41'55"	♏	-00°01'09"	35.431
02/07/2029 00:00:00	♏	04°40'11"	♏	-23°21'11"	♏	00°00'00"	♏	-00°00'26"	0.002
02/07/2029 00:00:00	♏	11°44'05"	♏	14°19'34"	♏	-01°04'41"	♏	00°02'20"	17.960
02/07/2029 00:00:00	♏	23°44'47"	♏	13°43'38"	♏	04°51'33"	♏	00°06'42"	0.003
02/07/2029 00:00:00	♏	04°40'11"	♏	-23°21'11"	♏	00°00'00"	♏	-00°00'26"	0.002
02/07/2029 00:00:00	♏	26°32'56"	♏	14°48'10"	♏	04°54'01"	♏	-01°54'22"	0.003
02/07/2029 00:00:00	X	26°37'18"	♏	01°05'26"	♏	-09°49'30"	♏	00°00'12"	95.482
02/07/2029 00:00:00	Y	04°04'47"	♏	09°28'47"	♏	-11°40'17"	♏	00°00'41"	82.952
03/07/2029 00:00:00	♁	11°22'11"	♁	22°56'56"	♏	00°00'00"	♏	00°57'12"	1.017
03/07/2029 00:00:00	♃	03°08'35"	♏	06°05'25"	♏	05°16'36"	♏	11°59'27"	0.003
03/07/2029 00:00:00	♆	03°08'12"	♁	23°52'32"	♍	00°28'38"	♏	02°06'42"	1.278

Ephemerides year 2029

03/07/2029 00:00:00	♀	07°41'18" ♀	19°56'54"	01°39'34"	01°12'34"	1.471
03/07/2029 00:00:00	♂	10°57'26" ♁	-04°25'25"	-00°05'45"	00°28'02"	1.173
03/07/2029 00:00:00	♃	18°02'47" ♁	-05°53'04"	01°17'22"	00°03'19"	5.233
03/07/2029 00:00:00	♅	21°31'34" ♂	16°04'03"	-02°08'51"	00°05'52"	9.783
03/07/2029 00:00:00	♁	15°57'36" ♀	22°42'08"	00°00'23"	00°03'16"	20.168
03/07/2029 00:00:00	♃	11°06'26" ♀	03°01'42"	-01°29'02"	00°00'21"	29.836
03/07/2029 00:00:00	♁	09°53'01" ♁	-23°15'18"	-05°42'04"	-00°01'10"	35.423
03/07/2029 00:00:00	♁	04°39'50" ♂	-23°21'11"	00°00'00"	-00°00'14"	0.002
03/07/2029 00:00:00	♃	11°46'24" ♂	14°20'09"	-01°04'48"	00°02'17"	17.945
03/07/2029 00:00:00	♁	23°51'30" ♀	13°45'52"	04°51'15"	00°06'42"	0.003
03/07/2029 00:00:00	T♁	04°39'50" ♂	-23°21'11"	00°00'00"	-00°00'14"	0.002
03/07/2029 00:00:00	T♁	24°55'54" ♀	14°15'21"	04°57'12"	-01°21'40"	0.003
03/07/2029 00:00:00	X	26°37'30" ♀	01°05'27"	-09°49'34"	00°00'12"	95.465
03/07/2029 00:00:00	Y	04°05'28" ♀	09°28'49"	-11°40'21"	00°00'40"	82.942
04/07/2029 00:00:00	♁	12°19'24" ♁	22°51'52"	00°00'00"	00°57'12"	1.017
04/07/2029 00:00:00	♃	15°04'49" ♀	10°43'27"	05°11'31"	11°53'48"	0.003
04/07/2029 00:00:00	♁	05°15'33" ♁	23°58'30" ♁	00°38'41"	02°07'58"	1.290
04/07/2029 00:00:00	♀	08°53'51" ♀	19°38'14"	01°39'55"	01°12'32"	1.466
04/07/2029 00:00:00	♂	11°25'37" ♁	-04°37'36"	-00°07'00"	00°28'18"	1.180

Ephemerides year 2029

04/07/2029 00:00:00	♃	18°06'12" ♄	-05°54'37"	01°17'07"	00°03'29"	5.248
04/07/2029 00:00:00	♅	21°37'25" ♄	16°05'25"	-02°08'58"	00°05'49"	9.771
04/07/2029 00:00:00	♁	16°00'52" ♀	22°42'29"	00°00'24"	00°03'15"	20.160
04/07/2029 00:00:00	♆	11°06'47" ♄	03°01'47"	-01°29'06"	00°00'19"	29.819
04/07/2029 00:00:00	♁	09°51'50" ♄	-23°15'46"	-05°42'14"	-00°01'11"	35.416
04/07/2029 00:00:00	♁	04°39'46" ♄	-23°21'12"	00°00'00"	00°00'05"	0.002
04/07/2029 00:00:00	♆	11°48'40" ♄	14°20'44"	-01°04'56"	00°02'15"	17.929
04/07/2029 00:00:00	♁	23°58'12" ♄	13°48'06"	04°50'57"	00°06'42"	0.003
04/07/2029 00:00:00	♁	04°39'46" ♄	-23°21'12"	00°00'00"	00°00'05"	0.002
04/07/2029 00:00:00	♁	23°44'24" ♄	13°50'47"	04°59'24"	-01°04'18"	0.003
04/07/2029 00:00:00	X	26°37'42" ♄	01°05'27"	-09°49'38"	00°00'11"	95.449
04/07/2029 00:00:00	Y	04°06'09" ♀	09°28'52"	-11°40'26"	00°00'40"	82.931
05/07/2029 00:00:00	♁	13°16'36" ♄	22°46'24"	00°00'00"	00°57'12"	1.017
05/07/2029 00:00:00	♁	26°57'43" ♄	14°56'26"	04°53'09"	11°52'46"	0.003
05/07/2029 00:00:00	♁	07°24'02" ♄	24°01'51" ♁	00°48'12"	02°08'56"	1.300
05/07/2029 00:00:00	♁	10°06'23" ♄	19°19'02"	01°40'11"	01°12'31"	1.460
05/07/2029 00:00:00	♁	11°54'03" ♄	-04°49'51"	-00°08'13"	00°28'34"	1.187
05/07/2029 00:00:00	♃	18°09'47" ♄	-05°56'13"	01°16'51"	00°03'39"	5.264
05/07/2029 00:00:00	♅	21°43'12" ♄	16°06'47"	-02°09'06"	00°05'45"	9.758



Ephemerides year 2029

05/07/2029 00:00:00	♃	16°04'07" ♀	22°42'49"	00°00'25"	00°03'14"	20.153
05/07/2029 00:00:00	♃	11°07'06" ♀	03°01'51"	-01°29'09"	00°00'17"	29.803
05/07/2029 00:00:00	♃	09°50'38" ♀	-23°16'15"	-05°42'23"	-00°01'12"	35.409
05/07/2029 00:00:00	♃	04°40'02" ♀	-23°21'11"	00°00'00"	00°00'27"	0.002
05/07/2029 00:00:00	♃	11°50'54" ♀	14°21'17"	-01°05'04"	00°02'12"	17.914
05/07/2029 00:00:00	♃	24°04'55" ♀	13°50'19"	04°50'40"	00°06'42"	0.003
05/07/2029 00:00:00	♃	04°40'02" ♀	-23°21'11"	00°00'00"	00°00'27"	0.002
05/07/2029 00:00:00	♃	22°41'02" ♀	13°28'45"	05°01'15"	-01°05'29"	0.003
05/07/2029 00:00:00	X	26°37'54" ♀	01°05'27"	-09°49'42"	00°00'11"	95.432
05/07/2029 00:00:00	Y	04°06'49" ♀	09°28'53"	-11°40'31"	00°00'39"	82.920
06/07/2029 00:00:00	♃	14°13'49" ♀	22°40'32"	00°00'00"	00°57'12"	1.017
06/07/2029 00:00:00	♃	08°51'52" ♀	18°35'13"	04°22'11"	11°56'15"	0.003
06/07/2029 00:00:00	♃	09°33'21" ♀	24°02'28"	00°57'08"	02°09'38"	1.309
06/07/2029 00:00:00	♃	11°18'54" ♀	18°59'19"	01°40'23"	01°12'29"	1.455
06/07/2029 00:00:00	♃	12°22'45" ♀	-05°02'10"	-00°09'26"	00°28'49"	1.194
06/07/2029 00:00:00	♃	18°13'32" ♀	-05°57'53"	01°16'35"	00°03'49"	5.279
06/07/2029 00:00:00	♃	21°48'56" ♀	16°08'07"	-02°09'14"	00°05'41"	9.745
06/07/2029 00:00:00	♃	16°07'21" ♀	22°43'10"	00°00'25"	00°03'13"	20.145
06/07/2029 00:00:00	♃	11°07'23" ♀	03°01'54"	-01°29'13"	00°00'15"	29.786

Ephemerides year 2029

06/07/2029 00:00:00	♁	09°49'26" ♁	-23°16'44"	-05°42'32"	-00°01'12"	35.403
06/07/2029 00:00:00	♁	04°40'40" ♁	-23°21'10"	00°00'00"	00°00'47"	0.002
06/07/2029 00:00:00	♁	11°53'06" ♁	14°21'50"	-01°05'12"	00°02'10"	17.898
06/07/2029 00:00:00	♁	24°11'38" ♁	13°52'33"	04°50'22"	00°06'42"	0.003
06/07/2029 00:00:00	♁	04°40'40" ♁	-23°21'10"	00°00'00"	00°00'47"	0.002
06/07/2029 00:00:00	♁	21°27'41" ♁	13°02'55"	05°03'15"	-01°23'41"	0.003
06/07/2029 00:00:00	X	26°38'05" ♁	01°05'27"	-09°49'46"	00°00'10"	95.416
06/07/2029 00:00:00	Y	04°07'29" ♁	09°28'55"	-11°40'37"	00°00'39"	82.909
07/07/2029 00:00:00	♁	15°11'01" ♁	22°34'16"	00°00'00"	00°57'13"	1.017
07/07/2029 00:00:00	♁	20°51'40" ♁	21°29'40"	03°39'35"	12°03'59"	0.003
07/07/2029 00:00:00	♁	11°43'13" ♁	24°00'19"	01°05'27"	02°10'01"	1.317
07/07/2029 00:00:00	♁	12°31'23" ♁	18°39'05"	01°40'30"	01°12'28"	1.450
07/07/2029 00:00:00	♁	12°51'42" ♁	-05°14'33"	-00°10'39"	00°29'04"	1.201
07/07/2029 00:00:00	♁	18°17'26" ♁	-05°59'36"	01°16'20"	00°03'59"	5.295
07/07/2029 00:00:00	♁	21°54'35" ♁	16°09'25"	-02°09'23"	00°05'37"	9.732
07/07/2029 00:00:00	♁	16°10'33" ♁	22°43'30"	00°00'26"	00°03'11"	20.136
07/07/2029 00:00:00	♁	11°07'38" ♁	03°01'57"	-01°29'16"	00°00'14"	29.769
07/07/2029 00:00:00	♁	09°48'12" ♁	-23°17'12"	-05°42'41"	-00°01'13"	35.396
07/07/2029 00:00:00	♁	04°41'35" ♁	-23°21'08"	00°00'00"	00°01'01"	0.003

Ephemerides year 2029

07/07/2029 00:00:00	♄	11°55'14" ♉	14°22'22"	-01°05'20"	00°02'07"	17.882
07/07/2029 00:00:00	♁	24°18'21" ♈	13°54'46"	04°50'03"	00°06'42"	0.003
07/07/2029 00:00:00	♁♁	04°41'35" ♉	-23°21'08"	00°00'00"	00°01'01"	0.003
07/07/2029 00:00:00	♁♁	19°50'05" ♈	12°28'04"	05°05'40"	-01°52'22"	0.003
07/07/2029 00:00:00	X	26°38'15" ♈	01°05'27"	-09°49'51"	00°00'10"	95.399
07/07/2029 00:00:00	Y	04°08'08" ♈	09°28'57"	-11°40'42"	00°00'39"	82.897
08/07/2029 00:00:00	♁	16°08'15" ♉	22°27'37"	00°00'00"	00°57'13"	1.017
08/07/2029 00:00:00	♁	03°01'05" ♈	23°28'54"	♁ 02°46'36"	12°15'25"	0.003
08/07/2029 00:00:00	♁	13°53'20" ♉	23°55'24"	♁ 01°13'07"	02°10'08"	1.323
08/07/2029 00:00:00	♁	13°43'51" ♉	18°18'22"	01°40'32"	01°12'26"	1.444
08/07/2029 00:00:00	♁	13°20'55" ♈	-05°27'01"	-00°11'50"	00°29'19"	1.208
08/07/2029 00:00:00	♁	18°21'30" ♈	-06°01'23"	01°16'04"	00°04'09"	5.310
08/07/2029 00:00:00	♁	22°00'11" ♉	16°10'43"	-02°09'31"	00°05'33"	9.718
08/07/2029 00:00:00	♁	16°13'45" ♈	22°43'51"	00°00'26"	00°03'10"	20.128
08/07/2029 00:00:00	♁	11°07'51" ♈	03°01'59"	-01°29'19"	00°00'12"	29.752
08/07/2029 00:00:00	♁	09°46'58" ♈	-23°17'41"	-05°42'49"	-00°01'14"	35.390
08/07/2029 00:00:00	♁	04°42'38" ♉	-23°21'05"	00°00'00"	00°01'02"	0.003
08/07/2029 00:00:00	♁	11°57'20" ♉	14°22'53"	-01°05'28"	00°02'04"	17.866
08/07/2029 00:00:00	♁	24°25'04" ♈	13°56'59"	04°49'45"	00°06'42"	0.003

Ephemerides year 2029

08/07/2029 00:00:00	T♄	04°42'38" ♄	-23°21'05"	00°00'00"	00°01'02"	0.003
08/07/2029 00:00:00	T♄	17°43'29" ♄	11°42'01"	05°08'23"	-02°19'15"	0.003
08/07/2029 00:00:00	X	26°38'25" ♄	01°05'27"	-09°49'55"	00°00'09"	95.383
08/07/2029 00:00:00	Y	04°08'47" ♄	09°28'58"	-11°40'47"	00°00'38"	82.886
09/07/2029 00:00:00	♁	17°05'28" ♁	22°20'35"	00°00'00"	00°57'13"	1.017
09/07/2029 00:00:00	♁	15°23'30" ♄	24°22'27"	♁ 01°44'59"	12°29'49"	0.003
09/07/2029 00:00:00	♁	16°03'24" ♁	23°47'41"	♁ 01°20'03"	02°09'58"	1.327
09/07/2029 00:00:00	♁	14°56'17" ♁	17°57'10"	01°40'30"	01°12'25"	1.439
09/07/2029 00:00:00	♁	13°50'22" ♁	-05°39'32"	-00°13'00"	00°29'34"	1.215
09/07/2029 00:00:00	♁	18°25'44" ♁	-06°03'14"	01°15'49"	00°04'18"	5.326
09/07/2029 00:00:00	♁	22°05'43" ♁	16°11'59"	-02°09'40"	00°05'29"	9.705
09/07/2029 00:00:00	♁	16°16'55" ♄	22°44'11"	00°00'27"	00°03'09"	20.119
09/07/2029 00:00:00	♁	11°08'02" ♄	03°02'00"	-01°29'23"	00°00'10"	29.736
09/07/2029 00:00:00	♁	09°45'44" ♁	-23°18'10"	-05°42'58"	-00°01'14"	35.384
09/07/2029 00:00:00	♁	04°43'35" ♄	-23°21'03"	00°00'00"	00°00'48"	0.003
09/07/2029 00:00:00	♁	11°59'24" ♁	14°23'23"	-01°05'35"	00°02'01"	17.850
09/07/2029 00:00:00	♁	24°31'47" ♄	13°59'11"	04°49'27"	00°06'42"	0.003
09/07/2029 00:00:00	T♄	04°43'35" ♄	-23°21'03"	00°00'00"	00°00'48"	0.003
09/07/2029 00:00:00	T♄	15°17'33" ♄	10°47'53"	05°10'58"	-02°28'19"	0.003

Ephemerides year 2029

09/07/2029 00:00:00	X	26°38'34" ♀	01°05'26"	-09°49'59"	00°00'08"	95.366
09/07/2029 00:00:00	Y	04°09'25" ♀	09°28'59"	-11°40'53"	00°00'38"	82.874
10/07/2029 00:00:00	♁	18°02'42" ♁	22°13'09"	-00°00'00"	00°57'14"	1.017
10/07/2029 00:00:00	♂	28°01'25" ♀	24°02'17" ♁	00°37'02"	12°46'16"	0.003
10/07/2029 00:00:00	♀	18°13'11" ♁	23°37'15" ♁	01°26'17"	02°09'32"	1.331
10/07/2029 00:00:00	♀	16°08'41" ♁	17°35'29"	01°40'24"	01°12'23"	1.433
10/07/2029 00:00:00	♂	14°20'04" ♁	-05°52'07"	-00°14'10"	00°29'49"	1.222
10/07/2029 00:00:00	♃	18°30'08" ♁	-06°05'08"	01°15'34"	00°04'28"	5.341
10/07/2029 00:00:00	♅	22°11'10" ♁	16°13'14"	-02°09'48"	00°05'25"	9.691
10/07/2029 00:00:00	♁	16°20'04" ♀	22°44'30"	00°00'27"	00°03'08"	20.110
10/07/2029 00:00:00	♃	11°08'11" ♀	03°02'01"	-01°29'26"	00°00'08"	29.719
10/07/2029 00:00:00	♁	09°44'29" ♁	-23°18'39"	-05°43'06"	-00°01'15"	35.379
10/07/2029 00:00:00	♁	04°44'10" ♁	-23°21'02"	00°00'00"	00°00'20"	0.003
10/07/2029 00:00:00	♁	12°01'24" ♁	14°23'52"	-01°05'43"	00°01'59"	17.834
10/07/2029 00:00:00	♁	24°38'30" ♀	14°01'24"	04°49'08"	00°06'42"	0.003
10/07/2029 00:00:00	T♁	04°44'10" ♁	-23°21'02"	00°00'00"	00°00'20"	0.003
10/07/2029 00:00:00	T♁	12°57'07" ♀	09°54'46"	05°12'50"	-02°06'58"	0.003
10/07/2029 00:00:00	X	26°38'42" ♀	01°05'25"	-09°50'03"	00°00'08"	95.349
10/07/2029 00:00:00	Y	04°10'03" ♀	09°29'00"	-11°40'58"	00°00'37"	82.862

Ephemerides year 2029

11/07/2029 00:00:00	♁	18°59'56" ♁	22°05'21"	-00°00'00"	00°57'14"	1.017
11/07/2029 00:00:00	♃	10°56'22" ♁	22°24'59"	-00°34'13"	13°03'41"	0.003
11/07/2029 00:00:00	♄	20°22'24" ♁	23°24'09"	01°31'45"	02°08'52"	1.332
11/07/2029 00:00:00	♅	17°21'03" ♁	17°13'20"	01°40'12"	01°12'21"	1.428
11/07/2029 00:00:00	♆	14°50'01" ♁	-06°04'46"	-00°15'19"	00°30'03"	1.228
11/07/2029 00:00:00	♇	18°34'41" ♁	-06°07'05"	01°15'19"	00°04'37"	5.357
11/07/2029 00:00:00	♈	22°16'34" ♁	16°14'27"	-02°09'57"	00°05'21"	9.677
11/07/2029 00:00:00	♉	16°23'11" ♁	22°44'50"	00°00'28"	00°03'06"	20.101
11/07/2029 00:00:00	♊	11°08'19" ♁	03°02'01"	-01°29'30"	00°00'06"	29.702
11/07/2029 00:00:00	♋	09°43'13" ♁	-23°19'07"	-05°43'15"	-00°01'16"	35.373
11/07/2029 00:00:00	♌	04°44'11" ♁	-23°21'02"	00°00'00"	-00°00'19"	0.003
11/07/2029 00:00:00	♍	12°03'22" ♁	14°24'20"	-01°05'52"	00°01'56"	17.818
11/07/2029 00:00:00	♎	24°45'13" ♁	14°03'36"	04°48'49"	00°06'42"	0.003
11/07/2029 00:00:00	♏	04°44'11" ♁	-23°21'02"	00°00'00"	-00°00'19"	0.003
11/07/2029 00:00:00	♐	11°14'09" ♁	09°15'12"	05°13'46"	-01°14'28"	0.003
11/07/2029 00:00:00	♑	26°38'50" ♁	01°05'24"	-09°50'07"	00°00'07"	95.333
11/07/2029 00:00:00	♒	04°10'41" ♁	09°29'01"	-11°41'04"	00°00'37"	82.850
12/07/2029 00:00:00	♁	19°57'11" ♁	21°57'09"	-00°00'00"	00°57'14"	1.017
12/07/2029 00:00:00	♃	24°08'45" ♁	19°33'11"	-01°45'10"	13°20'55"	0.003

Ephemerides year 2029

12/07/2029 00:00:00	♀	22°30'51" ♃	23°08'29"	01°36'27"	02°07'59"	1.333
12/07/2029 00:00:00	♀	18°33'24" ♃	16°50'45"	01°39'56"	01°12'19"	1.422
12/07/2029 00:00:00	♂	15°20'12" ♄	-06°17'28"	-00°16'26"	00°30'17"	1.235
12/07/2029 00:00:00	♃	18°39'23" ♄	-06°09'06"	01°15'03"	00°04'47"	5.372
12/07/2029 00:00:00	♃	22°21'53" ♃	16°15'40"	-02°10'06"	00°05'17"	9.664
12/07/2029 00:00:00	♃	16°26'17" ♃	22°45'09"	00°00'28"	00°03'05"	20.092
12/07/2029 00:00:00	♃	11°08'24" ♃	03°01'59"	-01°29'33"	00°00'04"	29.685
12/07/2029 00:00:00	♃	09°41'56" ♃	-23°19'36"	-05°43'23"	-00°01'16"	35.368
12/07/2029 00:00:00	♃	04°43'29" ♃	-23°21'04"	00°00'00"	-00°01'05"	0.003
12/07/2029 00:00:00	♃	12°05'17" ♃	14°24'47"	-01°06'00"	00°01'53"	17.801
12/07/2029 00:00:00	♃	24°51'56" ♃	14°05'48"	04°48'31"	00°06'42"	0.003
12/07/2029 00:00:00	T♃	04°43'29" ♃	-23°21'04"	00°00'00"	-00°01'05"	0.003
12/07/2029 00:00:00	T♃	10°34'32" ♃	08°59'41"	05°13'52"	-00°03'02"	0.003
12/07/2029 00:00:00	X	26°38'58" ♃	01°05'23"	-09°50'11"	00°00'06"	95.316
12/07/2029 00:00:00	Y	04°11'18" ♃	09°29'02"	-11°41'10"	00°00'36"	82.837
13/07/2029 00:00:00	♃	20°54'25" ♃	21°48'35"	-00°00'00"	00°57'14"	1.017
13/07/2029 00:00:00	♃	07°37'47" ♃	15°35'30"	-02°51'42"	13°36'50"	0.003
13/07/2029 00:00:00	♀	24°38'19" ♃	22°50'21"	01°40'24"	02°06'55"	1.332
13/07/2029 00:00:00	♀	19°45'43" ♃	16°27'43"	01°39'35"	01°12'17"	1.417

Ephemerides year 2029

13/07/2029 00:00:00	♂	15°50'36" ♁	-06°30'13"	-00°17'34"	00°30'31"	1.242
13/07/2029 00:00:00	♃	18°44'15" ♁	-06°11'11"	01°14'48"	00°04'56"	5.388
13/07/2029 00:00:00	♅	22°27'08" ♂	16°16'50"	-02°10'15"	00°05'12"	9.650
13/07/2029 00:00:00	♁	16°29'21" ♀	22°45'29"	00°00'29"	00°03'03"	20.082
13/07/2029 00:00:00	♃	11°08'27" ♀	03°01'58"	-01°29'36"	00°00'02"	29.669
13/07/2029 00:00:00	♁	09°40'39" ♁	-23°20'05"	-05°43'31"	-00°01'17"	35.364
13/07/2029 00:00:00	♁	04°42'02" ♁	-23°21'07"	00°00'00"	-00°01'46"	0.003
13/07/2029 00:00:00	♃	12°07'09" ♂	14°25'14"	-01°06'08"	00°01'50"	17.785
13/07/2029 00:00:00	♁	24°58'39" ♀	14°08'00"	04°48'12"	00°06'42"	0.003
13/07/2029 00:00:00	♁	04°42'02" ♁	-23°21'07"	00°00'00"	-00°01'46"	0.003
13/07/2029 00:00:00	♁	11°08'29" ♀	09°12'29"	05°13'15"	01°09'43"	0.003
13/07/2029 00:00:00	X	26°39'04" ♀	01°05'21"	-09°50'16"	00°00'06"	95.299
13/07/2029 00:00:00	Y	04°11'55" ♀	09°29'02"	-11°41'16"	00°00'36"	82.825
14/07/2029 00:00:00	♁	21°51'40" ♁	21°39'39"	-00°00'00"	00°57'14"	1.017
14/07/2029 00:00:00	♁	21°21'41" ♁	10°45'08"	-03°49'32"	13°50'30"	0.003
14/07/2029 00:00:00	♁	26°44'39" ♁	22°29'54"	01°43'36"	02°05'42"	1.330
14/07/2029 00:00:00	♀	20°58'00" ♁	16°04'16"	01°39'10"	01°12'15"	1.411
14/07/2029 00:00:00	♂	16°21'15" ♁	-06°43'02"	-00°18'40"	00°30'45"	1.249
14/07/2029 00:00:00	♃	18°49'16" ♁	-06°13'18"	01°14'33"	00°05'05"	5.403



Ephemerides year 2029

14/07/2029 00:00:00	♃	22°32'19" ♂	16°18'00"	-02°10'24"	00°05'08"	9.635
14/07/2029 00:00:00	♅	16°32'24" ♀	22°45'48"	00°00'29"	00°03'02"	20.073
14/07/2029 00:00:00	♆	11°08'28" ♀	03°01'55"	-01°29'40"	00°00'00"	29.652
14/07/2029 00:00:00	♁	09°39'21" ♄	-23°20'34"	-05°43'38"	-00°01'18"	35.359
14/07/2029 00:00:00	♁	04°39'59" ♄	-23°21'11"	00°00'00"	-00°02'15"	0.003
14/07/2029 00:00:00	♃	12°08'58" ♂	14°25'39"	-01°06'16"	00°01'47"	17.768
14/07/2029 00:00:00	♁	25°05'22" ♀	14°10'11"	04°47'52"	00°06'42"	0.003
14/07/2029 00:00:00	♁	04°39'59" ♄	-23°21'11"	00°00'00"	-00°02'15"	0.003
14/07/2029 00:00:00	♁	12°49'15" ♀	09°50'47"	05°11'50"	02°08'27"	0.003
14/07/2029 00:00:00	X	26°39'10" ♀	01°05'19"	-09°50'20"	00°00'05"	95.282
14/07/2029 00:00:00	Y	04°12'30" ♀	09°29'03"	-11°41'22"	00°00'35"	82.812
15/07/2029 00:00:00	♁	22°48'55" ♀	21°30'21"	-00°00'00"	00°57'14"	1.016
15/07/2029 00:00:00	♃	05°17'48" ♀	05°18'16"	-04°34'40"	14°01'13"	0.002
15/07/2029 00:00:00	♆	28°49'41" ♀	22°07'15"	01°46'02"	02°04'20"	1.327
15/07/2029 00:00:00	♆	22°10'15" ♀	15°40'24"	01°38'40"	01°12'13"	1.405
15/07/2029 00:00:00	♂	16°52'07" ♀	-06°55'53"	-00°19'45"	00°30'58"	1.256
15/07/2029 00:00:00	♃	18°54'25" ♀	-06°15'30"	01°14'19"	00°05'14"	5.419
15/07/2029 00:00:00	♃	22°37'25" ♂	16°19'08"	-02°10'34"	00°05'03"	9.621
15/07/2029 00:00:00	♅	16°35'26" ♀	22°46'06"	00°00'30"	00°03'00"	20.063

Ephemerides year 2029

15/07/2029 00:00:00	♁	11°08'27" ♏	03°01'52"	-01°29'43"	-00°00'01"	29.636
15/07/2029 00:00:00	♁	09°38'03" ♏	-23°21'03"	-05°43'46"	-00°01'18"	35.355
15/07/2029 00:00:00	♁	04°37'38" ♏	-23°21'16"	00°00'00"	-00°02'23"	0.003
15/07/2029 00:00:00	♁	12°10'44" ♏	14°26'04"	-01°06'24"	00°01'44"	17.751
15/07/2029 00:00:00	♁	25°12'05" ♏	14°12'22"	04°47'33"	00°06'42"	0.003
15/07/2029 00:00:00	T♁	04°37'38" ♏	-23°21'16"	00°00'00"	-00°02'23"	0.003
15/07/2029 00:00:00	T♁	15°17'22" ♏	10°46'25"	05°09'27"	02°43'19"	0.003
15/07/2029 00:00:00	X	26°39'15" ♏	01°05'17"	-09°50'24"	00°00'04"	95.265
15/07/2029 00:00:00	Y	04°13'06" ♏	09°29'03"	-11°41'28"	00°00'35"	82.799
16/07/2029 00:00:00	♁	23°46'09" ♏	21°20'40"	-00°00'00"	00°57'14"	1.016
16/07/2029 00:00:00	♁	19°23'02" ♏	-00°27'29"	-05°03'48"	14°08'41"	0.002
16/07/2029 00:00:00	♁	00°53'18" ♏	21°42'32"	01°47'45"	02°02'52"	1.323
16/07/2029 00:00:00	♁	23°22'28" ♏	15°16'07"	01°38'05"	01°12'11"	1.400
16/07/2029 00:00:00	♁	17°23'12" ♏	-07°08'47"	-00°20'50"	00°31'11"	1.262
16/07/2029 00:00:00	♁	18°59'44" ♏	-06°17'44"	01°14'04"	00°05'23"	5.434
16/07/2029 00:00:00	♁	22°42'26" ♏	16°20'14"	-02°10'43"	00°04'59"	9.607
16/07/2029 00:00:00	♁	16°38'26" ♏	22°46'25"	00°00'31"	00°02'58"	20.052
16/07/2029 00:00:00	♁	11°08'25" ♏	03°01'47"	-01°29'46"	-00°00'03"	29.619
16/07/2029 00:00:00	♁	09°36'44" ♏	-23°21'32"	-05°43'53"	-00°01'19"	35.351

Ephemerides year 2029

16/07/2029 00:00:00	♏	04°35'21" ♀	-23°21'21"	00°00'00"	-00°02'06"	0.003
16/07/2029 00:00:00	♋	12°12'27" ♂	14°26'27"	-01°06'32"	00°01'41"	17.734
16/07/2029 00:00:00	♌	25°18'47" ♀	14°14'33"	04°47'14"	00°06'42"	0.003
16/07/2029 00:00:00	T♏	04°35'21" ♀	-23°21'21"	00°00'00"	-00°02'06"	0.003
16/07/2029 00:00:00	T♌	18°06'49" ♀	11°48'52"	05°06'05"	02°51'15"	0.003
16/07/2029 00:00:00	X	26°39'20" ♀	01°05'15"	-09°50'28"	00°00'04"	95.248
16/07/2029 00:00:00	Y	04°13'41" ♀	09°29'03"	-11°41'34"	00°00'34"	82.786
17/07/2029 00:00:00	♉	24°43'24" ♀	21°10'38"	-00°00'00"	00°57'14"	1.016
17/07/2029 00:00:00	♊	03°34'07" ♀	-06°13'49"	-05°14'41"	14°12'56"	0.002
17/07/2029 00:00:00	♎	02°55'24" ♀	21°15'56"	01°48'44"	02°01'19"	1.318
17/07/2029 00:00:00	♍	24°34'38" ♀	14°51'28"	01°37'25"	01°12'09"	1.394
17/07/2029 00:00:00	♈	17°54'31" ♀	-07°21'44"	-00°21'54"	00°31'24"	1.269
17/07/2029 00:00:00	♉	19°05'12" ♀	-06°20'01"	01°13'49"	00°05'32"	5.449
17/07/2029 00:00:00	♊	22°47'24" ♂	16°21'20"	-02°10'53"	00°04'54"	9.592
17/07/2029 00:00:00	♌	16°41'24" ♀	22°46'43"	00°00'31"	00°02'57"	20.042
17/07/2029 00:00:00	♍	11°08'20" ♀	03°01'42"	-01°29'50"	-00°00'05"	29.603
17/07/2029 00:00:00	♎	09°35'24" ♀	-23°22'01"	-05°44'01"	-00°01'19"	35.347
17/07/2029 00:00:00	♏	04°33'32" ♀	-23°21'25"	00°00'00"	-00°01'27"	0.003
17/07/2029 00:00:00	♋	12°14'07" ♂	14°26'50"	-01°06'41"	00°01'38"	17.718

Ephemerides year 2029

17/07/2029 00:00:00	☾	25°25'30" ♀	14°16'44"	04°46'54"	00°06'42"	0.003
17/07/2029 00:00:00	♁	04°33'32" ♀	-23°21'25"	00°00'00"	-00°01'27"	0.003
17/07/2029 00:00:00	♁	20°53'00" ♀	12°48'44"	05°02'07"	02°38'56"	0.003
17/07/2029 00:00:00	X	26°39'24" ♀	01°05'12"	-09°50'33"	00°00'03"	95.232
17/07/2029 00:00:00	Y	04°14'15" ♀	09°29'02"	-11°41'41"	00°00'33"	82.772
18/07/2029 00:00:00	☉	25°40'39" ♀	21°00'15"	-00°00'00"	00°57'15"	1.016
18/07/2029 00:00:00	☾	17°47'56" ♀	-11°41'54"	-05°06'24"	14°14'15"	0.002
18/07/2029 00:00:00	♁	04°55'55" ♀	20°47'34"	01°49'02"	01°59'41"	1.312
18/07/2029 00:00:00	♀	25°46'46" ♀	14°26'26"	01°36'40"	01°12'07"	1.388
18/07/2029 00:00:00	♂	18°26'02" ♀	-07°34'43"	-00°22'57"	00°31'37"	1.276
18/07/2029 00:00:00	♂	19°10'49" ♀	-06°22'22"	01°13'35"	00°05'41"	5.465
18/07/2029 00:00:00	♃	22°52'16" ♀	16°22'23"	-02°11'03"	00°04'50"	9.577
18/07/2029 00:00:00	♃	16°44'20" ♀	22°47'01"	00°00'32"	00°02'55"	20.031
18/07/2029 00:00:00	♃	11°08'13" ♀	03°01'37"	-01°29'53"	-00°00'07"	29.587
18/07/2029 00:00:00	♃	09°34'04" ♀	-23°22'30"	-05°44'08"	-00°01'20"	35.344
18/07/2029 00:00:00	♁	04°32'31" ♀	-23°21'27"	00°00'00"	-00°00'33"	0.003
18/07/2029 00:00:00	♃	12°15'43" ♀	14°27'11"	-01°06'49"	00°01'35"	17.701
18/07/2029 00:00:00	☾	25°32'13" ♀	14°18'54"	04°46'34"	00°06'42"	0.003
18/07/2029 00:00:00	♁	04°32'31" ♀	-23°21'27"	00°00'00"	-00°00'33"	0.003

Ephemerides year 2029

18/07/2029 00:00:00	T♄	23°23'58" ♏	13°41'47"	04°57'56"	02°24'28"	0.003
18/07/2029 00:00:00	X	26°39'27" ♏	01°05'09"	-09°50'37"	00°00'03"	95.215
18/07/2029 00:00:00	Y	04°14'48" ♀	09°29'02"	-11°41'47"	00°00'33"	82.759
19/07/2029 00:00:00	☉	26°37'54" ♉	20°49'30"	-00°00'00"	00°57'15"	1.016
19/07/2029 00:00:00	☾	02°01'45" ♎	-16°32'31"	-04°39'23"	14°12'58"	0.002
19/07/2029 00:00:00	♀	06°54'46" ♋	20°17'36"	01°48'39"	01°58'01"	1.306
19/07/2029 00:00:00	♀	26°58'53" ♋	14°01'02"	01°35'51"	01°12'04"	1.382
19/07/2029 00:00:00	♂	18°57'46" ♋	-07°47'44"	-00°23'59"	00°31'50"	1.282
19/07/2029 00:00:00	♃	19°16'35" ♋	-06°24'46"	01°13'20"	00°05'49"	5.480
19/07/2029 00:00:00	♅	22°57'04" ♉	16°23'26"	-02°11'12"	00°04'45"	9.563
19/07/2029 00:00:00	♁	16°47'15" ♀	22°47'19"	00°00'32"	00°02'54"	20.021
19/07/2029 00:00:00	♃	11°08'04" ♏	03°01'30"	-01°29'56"	-00°00'09"	29.570
19/07/2029 00:00:00	♁	09°32'44" ♋	-23°22'58"	-05°44'15"	-00°01'20"	35.341
19/07/2029 00:00:00	♁	04°32'26" ♋	-23°21'27"	00°00'00"	00°00'22"	0.003
19/07/2029 00:00:00	♃	12°17'17" ♉	14°27'32"	-01°06'57"	00°01'32"	17.684
19/07/2029 00:00:00	♄	25°38'55" ♏	14°21'04"	04°46'15"	00°06'42"	0.003
19/07/2029 00:00:00	T♁	04°32'26" ♋	-23°21'27"	00°00'00"	00°00'22"	0.003
19/07/2029 00:00:00	T♄	25°47'41" ♏	14°31'00"	04°53'27"	02°26'32"	0.003
19/07/2029 00:00:00	X	26°39'30" ♏	01°05'06"	-09°50'41"	00°00'02"	95.198

Ephemerides year 2029

19/07/2029 00:00:00	Y	04°15'22" ♀	09°29'01"	-11°41'53"	00°00'32"	82.745
20/07/2029 00:00:00	☉	27°35'10" ♁	20°38'25"	-00°00'00"	00°57'15"	1.016
20/07/2029 00:00:00	☾	16°13'09" ♃	-20°26'29"	-03°55'23"	14°09'28"	0.002
20/07/2029 00:00:00	♀	08°51'56" ♃	19°46'09"	01°47'36"	01°56'18"	1.298
20/07/2029 00:00:00	♀	28°10'56" ♃	13°35'17"	01°34'57"	01°12'02"	1.376
20/07/2029 00:00:00	♂	19°29'42" ♄	-08°00'48"	-00°25'01"	00°32'02"	1.289
20/07/2029 00:00:00	♃	19°22'29" ♄	-06°27'13"	01°13'06"	00°05'58"	5.495
20/07/2029 00:00:00	♅	23°01'48" ♄	16°24'27"	-02°11'22"	00°04'41"	9.548
20/07/2029 00:00:00	♁	16°50'08" ♀	22°47'37"	00°00'33"	00°02'52"	20.009
20/07/2029 00:00:00	♃	11°07'54" ♃	03°01'23"	-01°30'00"	-00°00'11"	29.554
20/07/2029 00:00:00	♁	09°31'23" ♃	-23°23'27"	-05°44'22"	-00°01'20"	35.338
20/07/2029 00:00:00	♁	04°33'12" ♄	-23°21'25"	00°00'00"	00°01'06"	0.003
20/07/2029 00:00:00	♃	12°18'48" ♄	14°27'52"	-01°07'06"	00°01'29"	17.666
20/07/2029 00:00:00	♁	25°45'38" ♃	14°23'14"	04°45'55"	00°06'42"	0.003
20/07/2029 00:00:00	T♁	04°33'12" ♄	-23°21'25"	00°00'00"	00°01'06"	0.003
20/07/2029 00:00:00	T♃	28°22'56" ♃	15°22'37"	04°48'00"	02°45'32"	0.003
20/07/2029 00:00:00	X	26°39'32" ♃	01°05'03"	-09°50'46"	00°00'01"	95.181
20/07/2029 00:00:00	Y	04°15'54" ♀	09°29'00"	-11°42'00"	00°00'32"	82.731
21/07/2029 00:00:00	☉	28°32'25" ♁	20°26'58"	-00°00'00"	00°57'15"	1.016

Ephemerides year 2029

21/07/2029 00:00:00	♃	00°20'01" ♄	-23°06'22"	-02°57'20"	14°03'55"	0.002
21/07/2029 00:00:00	♆	10°47'23" ♃	19°13'23"	01°45'57"	01°54'34"	1.290
21/07/2029 00:00:00	♀	29°22'58" ♃	13°09'12"	01°33'58"	01°12'00"	1.370
21/07/2029 00:00:00	♂	20°01'50" ♄	-08°13'53"	-00°26'02"	00°32'14"	1.296
21/07/2029 00:00:00	♃	19°28'32" ♄	-06°29'43"	01°12'51"	00°06'07"	5.511
21/07/2029 00:00:00	♅	23°06'26" ♄	16°25'26"	-02°11'32"	00°04'36"	9.533
21/07/2029 00:00:00	♁	16°53'00" ♃	22°47'54"	00°00'33"	00°02'50"	19.998
21/07/2029 00:00:00	♆	11°07'42" ♄	03°01'15"	-01°30'03"	-00°00'13"	29.538
21/07/2029 00:00:00	♁	09°30'02" ♄	-23°23'55"	-05°44'28"	-00°01'21"	35.335
21/07/2029 00:00:00	♁	04°34'30" ♄	-23°21'23"	00°00'00"	00°01'25"	0.003
21/07/2029 00:00:00	♃	12°20'16" ♄	14°28'10"	-01°07'14"	00°01'26"	17.649
21/07/2029 00:00:00	♁	25°52'21" ♄	14°25'24"	04°45'34"	00°06'42"	0.003
21/07/2029 00:00:00	♁	04°34'30" ♄	-23°21'23"	00°00'00"	00°01'25"	0.003
21/07/2029 00:00:00	♁	01°18'08" ♄	16°18'47"	04°41'07"	03°02'40"	0.003
21/07/2029 00:00:00	X	26°39'34" ♄	01°04'59"	-09°50'50"	00°00'01"	95.164
21/07/2029 00:00:00	Y	04°16'26" ♃	09°28'59"	-11°42'07"	00°00'31"	82.717
22/07/2029 00:00:00	♁	29°29'41" ♄	20°15'11"	-00°00'00"	00°57'16"	1.016
22/07/2029 00:00:00	♃	14°20'21" ♄	-24°19'21"	-01°49'06"	13°56'23"	0.002
22/07/2029 00:00:00	♆	12°41'04" ♃	18°39'24"	01°43'41"	01°52'49"	1.282

Ephemerides year 2029

22/07/2029 00:00:00	♀	00°34'57" ♍	12°42'46"	01°32'54"	01°11'57"	1.364
22/07/2029 00:00:00	♂	20°34'11" ♋	-08°27'00"	-00°27'02"	00°32'26"	1.302
22/07/2029 00:00:00	♃	19°34'43" ♋	-06°32'17"	01°12'37"	00°06'15"	5.526
22/07/2029 00:00:00	♅	23°11'00" ♋	16°26'25"	-02°11'42"	00°04'31"	9.518
22/07/2029 00:00:00	♁	16°55'50" ♉	22°48'11"	00°00'34"	00°02'48"	19.987
22/07/2029 00:00:00	♃	11°07'27" ♋	03°01'07"	-01°30'06"	-00°00'15"	29.522
22/07/2029 00:00:00	♁	09°28'41" ♋	-23°24'24"	-05°44'35"	-00°01'21"	35.333
22/07/2029 00:00:00	♁	04°35'53" ♋	-23°21'20"	00°00'00"	00°01'13"	0.003
22/07/2029 00:00:00	♃	12°21'41" ♋	14°28'28"	-01°07'22"	00°01'23"	17.632
22/07/2029 00:00:00	♁	25°59'04" ♋	14°27'33"	04°45'14"	00°06'42"	0.003
22/07/2029 00:00:00	T♁	04°35'53" ♋	-23°21'20"	00°00'00"	00°01'13"	0.003
22/07/2029 00:00:00	T♃	04°21'13" ♋	17°14'56"	04°33'03"	02°59'02"	0.003
22/07/2029 00:00:00	X	26°39'35" ♋	01°04'56"	-09°50'54"	00°00'00"	95.147
22/07/2029 00:00:00	Y	04°16'58" ♉	09°28'58"	-11°42'14"	00°00'31"	82.703
23/07/2029 00:00:00	☾	00°26'57" ♋	20°03'04"	-00°00'00"	00°57'16"	1.016
23/07/2029 00:00:00	♃	28°12'09" ♋	-24°00'32"	-00°35'09"	13°46'51"	0.003
23/07/2029 00:00:00	♁	14°33'01" ♋	18°04'20"	01°40'51"	01°51'03"	1.273
23/07/2029 00:00:00	♀	01°46'53" ♍	12°16'02"	01°31'45"	01°11'55"	1.358
23/07/2029 00:00:00	♂	21°06'42" ♋	-08°40'09"	-00°28'01"	00°32'37"	1.309



Ephemerides year 2029

23/07/2029 00:00:00	♃	19°41'03" ♈	-06°34'53"	01°12'23"	00°06'23"	5.541
23/07/2029 00:00:00	♅	23°15'30" ♊	16°27'22"	-02°11'53"	00°04'26"	9.502
23/07/2029 00:00:00	♁	16°58'38" ♀	22°48'28"	00°00'35"	00°02'47"	19.975
23/07/2029 00:00:00	♆	11°07'11" ♋	03°00'57"	-01°30'10"	-00°00'17"	29.506
23/07/2029 00:00:00	♁	09°27'20" ♈	-23°24'52"	-05°44'41"	-00°01'21"	35.331
23/07/2029 00:00:00	♁	04°36'47" ♈	-23°21'18"	00°00'00"	00°00'30"	0.003
23/07/2029 00:00:00	♆	12°23'03" ♋	14°28'45"	-01°07'31"	00°01'20"	17.615
23/07/2029 00:00:00	♁	26°05'47" ♋	14°29'43"	04°44'54"	00°06'42"	0.003
23/07/2029 00:00:00	♁	04°36'47" ♈	-23°21'18"	00°00'00"	00°00'30"	0.003
23/07/2029 00:00:00	♁	07°06'47" ♈	18°03'17"	04°25'00"	02°27'26"	0.003
23/07/2029 00:00:00	X	26°39'35" ♋	01°04'52"	-09°50'58"	00°00'00"	95.130
23/07/2029 00:00:00	Y	04°17'29" ♀	09°28'56"	-11°42'20"	00°00'30"	82.688
24/07/2029 00:00:00	♁	01°24'14" ♈	19°50'37"	-00°00'00"	00°57'16"	1.016
24/07/2029 00:00:00	♁	11°53'23" ♈	-22°14'33"	00°39'49"	13°35'17"	0.003
24/07/2029 00:00:00	♆	16°23'11" ♋	17°28'19"	01°37'28"	01°49'17"	1.263
24/07/2029 00:00:00	♁	02°58'48" ♋	11°49'00"	01°30'32"	01°11'52"	1.352
24/07/2029 00:00:00	♁	21°39'26" ♈	-08°53'19"	-00°29'00"	00°32'49"	1.315
24/07/2029 00:00:00	♃	19°47'31" ♈	-06°37'32"	01°12'09"	00°06'32"	5.556
24/07/2029 00:00:00	♅	23°19'54" ♊	16°28'17"	-02°12'03"	00°04'21"	9.487

Ephemerides year 2029

24/07/2029 00:00:00	♃	17°01'24" ♀	22°48'45"	00°00'35"	00°02'45"	19.963
24/07/2029 00:00:00	♃	11°06'53" ♀	03°00'47"	-01°30'13"	-00°00'19"	29.491
24/07/2029 00:00:00	♃	09°25'58" ♀	-23°25'21"	-05°44'47"	-00°01'21"	35.329
24/07/2029 00:00:00	♃	04°36'44" ♀	-23°21'18"	00°00'00"	-00°00'39"	0.003
24/07/2029 00:00:00	♃	12°24'22" ♀	14°29'01"	-01°07'39"	00°01'17"	17.597
24/07/2029 00:00:00	♃	26°12'30" ♀	14°31'52"	04°44'33"	00°06'42"	0.003
24/07/2029 00:00:00	♃	04°36'44" ♀	-23°21'18"	00°00'00"	-00°00'39"	0.003
24/07/2029 00:00:00	♃	09°07'39" ♀	18°36'55"	04°18'34"	01°30'43"	0.003
24/07/2029 00:00:00	X	26°39'35" ♀	01°04'48"	-09°51'03"	-00°00'00"	95.113
24/07/2029 00:00:00	Y	04°17'59" ♀	09°28'55"	-11°42'27"	00°00'30"	82.674
25/07/2029 00:00:00	♃	02°21'31" ♀	19°37'50"	00°00'00"	00°57'17"	1.016
25/07/2029 00:00:00	♃	25°22'05" ♀	-19°14'12"	01°51'19"	13°21'51"	0.003
25/07/2029 00:00:00	♃	18°11'36" ♀	16°51'27"	01°33'34"	01°47'31"	1.253
25/07/2029 00:00:00	♃	04°10'39" ♀	11°21'40"	01°29'14"	01°11'50"	1.346
25/07/2029 00:00:00	♃	22°12'20" ♀	-09°06'30"	-00°29'58"	00°33'00"	1.322
25/07/2029 00:00:00	♃	19°54'07" ♀	-06°40'14"	01°11'55"	00°06'40"	5.571
25/07/2029 00:00:00	♃	23°24'14" ♀	16°29'11"	-02°12'14"	00°04'16"	9.472
25/07/2029 00:00:00	♃	17°04'08" ♀	22°49'01"	00°00'36"	00°02'43"	19.951
25/07/2029 00:00:00	♃	11°06'33" ♀	03°00'36"	-01°30'16"	-00°00'20"	29.475

Ephemerides year 2029

25/07/2029 00:00:00	♁	09°24'36" ♁	-23°25'49"	-05°44'53"	-00°01'22"	35.328
25/07/2029 00:00:00	♁	04°35'24" ♁	-23°21'21"	00°00'00"	-00°02'02"	0.003
25/07/2029 00:00:00	♁	12°25'38" ♁	14°29'15"	-01°07'48"	00°01'14"	17.580
25/07/2029 00:00:00	♁	26°19'13" ♁	14°34'00"	04°44'13"	00°06'42"	0.003
25/07/2029 00:00:00	♁	04°35'24" ♁	-23°21'21"	00°00'00"	-00°02'02"	0.003
25/07/2029 00:00:00	♁	10°02'57" ♁	18°51'36"	04°15'13"	00°18'18"	0.003
25/07/2029 00:00:00	X	26°39'34" ♁	01°04'44"	-09°51'07"	-00°00'01"	95.096
25/07/2029 00:00:00	Y	04°18'29" ♁	09°28'53"	-11°42'34"	00°00'29"	82.659
26/07/2029 00:00:00	♁	03°18'49" ♁	19°24'44"	00°00'00"	00°57'17"	1.016
26/07/2029 00:00:00	♁	08°36'35" ♁	-15°16'57"	02°55'24"	13°06'56"	0.003
26/07/2029 00:00:00	♁	19°58'15" ♁	16°13'51"	01°29'09"	01°45'46"	1.242
26/07/2029 00:00:00	♁	05°22'28" ♁	10°54'03"	01°27'51"	01°11'47"	1.340
26/07/2029 00:00:00	♁	22°45'26" ♁	-09°19'43"	-00°30'55"	00°33'11"	1.328
26/07/2029 00:00:00	♁	20°00'51" ♁	-06°42'59"	01°11'42"	00°06'48"	5.587
26/07/2029 00:00:00	♁	23°28'28" ♁	16°30'04"	-02°12'24"	00°04'11"	9.456
26/07/2029 00:00:00	♁	17°06'50" ♁	22°49'18"	00°00'36"	00°02'41"	19.939
26/07/2029 00:00:00	♁	11°06'11" ♁	03°00'25"	-01°30'19"	-00°00'22"	29.459
26/07/2029 00:00:00	♁	09°23'14" ♁	-23°26'17"	-05°44'59"	-00°01'22"	35.327
26/07/2029 00:00:00	♁	04°32'40" ♁	-23°21'26"	00°00'00"	-00°03'23"	0.003

Ephemerides year 2029

26/07/2029 00:00:00	♄	12°26'50"	♄	14°29'29"	-01°07'56"	00°01'10"	17.562
26/07/2029 00:00:00	♁	26°25'55"	♁	14°36'09"	04°43'52"	00°06'42"	0.003
26/07/2029 00:00:00	T♄	04°32'40"	♄	-23°21'26"	00°00'00"	-00°03'23"	0.003
26/07/2029 00:00:00	T♁	09°43'49"	♁	18°45'54"	04°15'41"	-00°55'19"	0.003
26/07/2029 00:00:00	X	26°39'33"	♁	01°04'39"	-09°51'11"	-00°00'01"	95.080
26/07/2029 00:00:00	Y	04°18'58"	♁	09°28'51"	-11°42'41"	00°00'28"	82.644
27/07/2029 00:00:00	♃	04°16'07"	♃	19°11'18"	00°00'00"	00°57'18"	1.016
27/07/2029 00:00:00	♃	21°35'41"	♃	-10°41'12"	03°49'01"	12°51'12"	0.003
27/07/2029 00:00:00	♁	21°43'09"	♃	15°35'36"	01°24'17"	01°44'01"	1.231
27/07/2029 00:00:00	♁	06°34'14"	♃	10°26'11"	01°26'23"	01°11'45"	1.334
27/07/2029 00:00:00	♂	23°18'43"	♁	-09°32'56"	-00°31'52"	00°33'22"	1.335
27/07/2029 00:00:00	♂	20°07'44"	♁	-06°45'46"	01°11'28"	00°06'56"	5.602
27/07/2029 00:00:00	♂	23°32'37"	♄	16°30'55"	-02°12'35"	00°04'06"	9.441
27/07/2029 00:00:00	♁	17°09'31"	♁	22°49'34"	00°00'37"	00°02'39"	19.927
27/07/2029 00:00:00	♁	11°05'47"	♁	03°00'13"	-01°30'23"	-00°00'24"	29.444
27/07/2029 00:00:00	♁	09°21'51"	♃	-23°26'45"	o-05°45'04"	-00°01'22"	35.326
27/07/2029 00:00:00	♁	04°28'42"	♄	-23°21'35"	00°00'00"	-00°04'29"	0.003
27/07/2029 00:00:00	♄	12°27'59"	♄	14°29'42"	-01°08'05"	00°01'07"	17.545
27/07/2029 00:00:00	♁	26°32'38"	♁	14°38'17"	04°43'31"	00°06'42"	0.003

Ephemerides year 2029

27/07/2029 00:00:00	T♄	04°28'42" ♏	-23°21'35"	00°00'00"	-00°04'29"	0.003
27/07/2029 00:00:00	T♄	08°17'42" ♏	18°21'34"	04°19'34"	-01°52'49"	0.003
27/07/2029 00:00:00	X	26°39'31" ♏	01°04'34"	-09°51'15"	-00°00'02"	95.063
27/07/2029 00:00:00	Y	04°19'27" ♏	09°28'49"	-11°42'49"	00°00'28"	82.629
28/07/2029 00:00:00	☉	05°13'26" ♏	18°57'33"	00°00'00"	00°57'19"	1.015
28/07/2029 00:00:00	☾	04°19'01" ♏	-05°43'48"	04°30'01"	12°35'31"	0.003
28/07/2029 00:00:00	☿	23°26'19" ♏	14°56'48"	01°18'57"	01°42'17"	1.220
28/07/2029 00:00:00	♀	07°45'58" ♏	09°58'02"	01°24'50"	01°11'42"	1.327
28/07/2029 00:00:00	♂	23°52'10" ♏	-09°46'11"	-00°32'48"	00°33'32"	1.341
28/07/2029 00:00:00	♃	20°14'44" ♏	-06°48'37"	01°11'15"	00°07'03"	5.617
28/07/2029 00:00:00	♅	23°36'42" ♏	16°31'44"	-02°12'46"	00°04'01"	9.425
28/07/2029 00:00:00	♁	17°12'09" ♏	22°49'49"	00°00'37"	00°02'37"	19.914
28/07/2029 00:00:00	♆	11°05'21" ♏	03°00'00"	-01°30'26"	-00°00'26"	29.428
28/07/2029 00:00:00	♁	09°20'28" ♏	-23°27'13"	-05°45'10"	-00°01'22"	35.326
28/07/2029 00:00:00	♁	04°23'51" ♏	-23°21'44"	00°00'00"	-00°05'07"	0.003
28/07/2029 00:00:00	♃	12°29'05" ♏	14°29'54"	-01°08'14"	00°01'04"	17.527
28/07/2029 00:00:00	♄	26°39'21" ♏	14°40'25"	04°43'10"	00°06'42"	0.003
28/07/2029 00:00:00	T♄	04°23'51" ♏	-23°21'44"	00°00'00"	-00°05'07"	0.003
28/07/2029 00:00:00	T♄	06°08'10" ♏	17°44'03"	04°25'24"	-02°20'44"	0.003

Ephemerides year 2029

28/07/2029 00:00:00	X	26°39'28" ♄	01°04'29"	-09°51'20"	-00°00'03"	95.046
28/07/2029 00:00:00	Y	04°19'55" ♀	09°28'46"	-11°42'56"	00°00'27"	82.614
29/07/2029 00:00:00	☉	06°10'46" ♃	18°43'30"	00°00'00"	00°57'20"	1.015
29/07/2029 00:00:00	☾	16°47'06" ♃	-00°39'00"	04°57'14"	12°20'55"	0.003
29/07/2029 00:00:00	♀	25°07'44" ♃	14°17'32"	01°13'11"	01°40'33"	1.209
29/07/2029 00:00:00	♀	08°57'39" ♃	09°29'39"	01°23'13"	01°11'39"	1.321
29/07/2029 00:00:00	♂	24°25'49" ♄	-09°59'26"	-00°33'44"	00°33'43"	1.348
29/07/2029 00:00:00	♃	20°21'51" ♄	-06°51'30"	01°11'01"	00°07'11"	5.631
29/07/2029 00:00:00	♃	23°40'41" ♄	16°32'33"	-02°12'57"	00°03'56"	9.409
29/07/2029 00:00:00	♃	17°14'45" ♀	22°50'05"	00°00'38"	00°02'35"	19.901
29/07/2029 00:00:00	♃	11°04'54" ♄	02°59'46"	-01°30'29"	-00°00'28"	29.413
29/07/2029 00:00:00	♃	09°19'06" ♄	-23°27'41"	-05°45'15"	-00°01'22"	35.325
29/07/2029 00:00:00	♃	04°18'40" ♄	-23°21'55"	00°00'00"	-00°05'09"	0.002
29/07/2029 00:00:00	♃	12°30'08" ♄	14°30'05"	-01°08'22"	00°01'01"	17.510
29/07/2029 00:00:00	♃	26°46'03" ♄	14°42'32"	04°42'48"	00°06'42"	0.003
29/07/2029 00:00:00	T♃	04°18'40" ♄	-23°21'55"	00°00'00"	-00°05'09"	0.002
29/07/2029 00:00:00	T♃	03°46'47" ♄	17°01'38"	04°31'29"	-02°17'24"	0.003
29/07/2029 00:00:00	X	26°39'24" ♄	01°04'24"	-09°51'24"	-00°00'03"	95.029
29/07/2029 00:00:00	Y	04°20'22" ♀	09°28'44"	-11°43'03"	00°00'26"	82.599

Ephemerides year 2029

30/07/2029 00:00:00	☉	07°08'06" ♏	18°29'08"	00°00'00"	00°57'21"	1.015
30/07/2029 00:00:00	☾	29°01'33" ♏	04°21'22"	05°10'15"	12°08'24"	0.003
30/07/2029 00:00:00	♀	26°47'26" ♏	13°37'53"	01°07'01"	01°38'49"	1.197
30/07/2029 00:00:00	♀	10°09'18" ♏	09°01'02"	01°21'31"	01°11'37"	1.315
30/07/2029 00:00:00	♂	24°59'38" ♏	-10°12'41"	-00°34'38"	00°33'54"	1.354
30/07/2029 00:00:00	♃	20°29'07" ♏	-06°54'26"	01°10'48"	00°07'19"	5.646
30/07/2029 00:00:00	♅	23°44'35" ♏	16°33'19"	-02°13'08"	00°03'51"	9.394
30/07/2029 00:00:00	♁	17°17'20" ♏	22°50'20"	00°00'39"	00°02'33"	19.888
30/07/2029 00:00:00	♃	11°04'24" ♏	02°59'31"	-01°30'32"	-00°00'30"	29.398
30/07/2029 00:00:00	♁	09°17'43" ♏	-23°28'08"	-05°45'20"	-00°01'23"	35.325
30/07/2029 00:00:00	♁	04°13'45" ♏	-23°22'04"	00°00'00"	-00°04'35"	0.002
30/07/2029 00:00:00	♁	12°31'07" ♏	14°30'15"	-01°08'31"	00°00'57"	17.492
30/07/2029 00:00:00	♁	26°52'46" ♏	14°44'40"	04°42'27"	00°06'42"	0.003
30/07/2029 00:00:00	♁	04°13'45" ♏	-23°22'04"	00°00'00"	-00°04'35"	0.002
30/07/2029 00:00:00	♁	01°40'11" ♏	16°22'23"	04°36'38"	-01°53'41"	0.003
30/07/2029 00:00:00	X	26°39'20" ♏	01°04'19"	-09°51'28"	-00°00'04"	95.013
30/07/2029 00:00:00	Y	04°20'48" ♏	09°28'41"	-11°43'10"	00°00'26"	82.584
31/07/2029 00:00:00	☉	08°05'28" ♏	18°14'28"	00°00'00"	00°57'22"	1.015
31/07/2029 00:00:00	☾	11°04'56" ♏	09°07'26"	05°09'16"	11°58'55"	0.003

Ephemerides year 2029

31/07/2029 00:00:00	♀	28°25'24" ♈	12°57'56"	01°00'28"	01°37'06"	1.185
31/07/2029 00:00:00	♀	11°20'54" ♉	08°32'11"	01°19'44"	01°11'34"	1.309
31/07/2029 00:00:00	♂	25°33'37" ♋	-10°25'57"	-00°35'32"	00°34'04"	1.361
31/07/2029 00:00:00	♋	20°36'30" ♋	-06°57'24"	01°10'35"	00°07'26"	5.661
31/07/2029 00:00:00	♌	23°48'23" ♌	16°34'05"	-02°13'19"	00°03'46"	9.378
31/07/2029 00:00:00	♍	17°19'52" ♍	22°50'35"	00°00'39"	00°02'31"	19.875
31/07/2029 00:00:00	♎	11°03'53" ♎	02°59'16"	-01°30'35"	-00°00'32"	29.383
31/07/2029 00:00:00	♏	09°16'19" ♏	-23°28'36"	-05°45'25"	-00°01'23"	35.326
31/07/2029 00:00:00	♐	04°09'39" ♐	-23°22'12"	00°00'00"	-00°03'30"	0.002
31/07/2029 00:00:00	♑	12°32'04" ♑	14°30'23"	-01°08'39"	00°00'54"	17.475
31/07/2029 00:00:00	♒	26°59'28" ♒	14°46'47"	04°42'05"	00°06'42"	0.003
31/07/2029 00:00:00	♓	04°09'39" ♓	-23°22'12"	00°00'00"	-00°03'30"	0.002
31/07/2029 00:00:00	♈	00°00'54" ♈	15°50'48"	04°40'30"	-01°25'23"	0.003
31/07/2029 00:00:00	X	26°39'15" ♎	01°04'13"	-09°51'32"	-00°00'05"	94.996
31/07/2029 00:00:00	Y	04°21'14" ♍	09°28'38"	-11°43'18"	00°00'25"	82.568
01/08/2029 00:00:00	♈	09°02'51" ♈	17°59'29"	00°00'00"	00°57'23"	1.015
01/08/2029 00:00:00	♉	23°00'41" ♉	13°30'13"	04°54'53"	11°53'17"	0.003
01/08/2029 00:00:00	♀	00°01'39" ♉	12°17'46"	00°53'34"	01°35'23"	1.172
01/08/2029 00:00:00	♀	12°32'27" ♉	08°03'08"	01°17'52"	01°11'32"	1.302



Ephemerides year 2029

01/08/2029 00:00:00	♂	26°07'47" ♁	-10°39'13"	-00°36'26"	00°34'15"	1.367
01/08/2029 00:00:00	♃	20°44'01" ♁	-07°00'25"	01°10'22"	00°07'34"	5.676
01/08/2029 00:00:00	♅	23°52'07" ♂	16°34'48"	-02°13'30"	00°03'40"	9.362
01/08/2029 00:00:00	♁	17°22'22" ♀	22°50'50"	00°00'40"	00°02'29"	19.862
01/08/2029 00:00:00	♆	11°03'20" ♀	02°59'00"	-01°30'38"	-00°00'34"	29.368
01/08/2029 00:00:00	♁	09°14'56" ♁	-23°29'03"	-05°45'30"	-00°01'23"	35.326
01/08/2029 00:00:00	♁	04°06'50" ♁	-23°22'17"	00°00'00"	-00°02'06"	0.002
01/08/2029 00:00:00	♃	12°32'57" ♂	14°30'31"	-01°08'48"	00°00'51"	17.457
01/08/2029 00:00:00	♁	27°06'11" ♀	14°48'54"	04°41'44"	00°06'42"	0.003
01/08/2029 00:00:00	♁	04°06'50" ♁	-23°22'17"	00°00'00"	-00°02'06"	0.002
01/08/2029 00:00:00	♁	28°46'30" ♀	15°26'45"	04°43'18"	-01°05'37"	0.003
01/08/2029 00:00:00	X	26°39'10" ♀	01°04'07"	-09°51'37"	-00°00'05"	94.979
01/08/2029 00:00:00	Y	04°21'39" ♀	09°28'35"	-11°43'25"	00°00'24"	82.553
02/08/2029 00:00:00	♁	10°00'15" ♁	17°44'14"	00°00'00"	00°57'24"	1.015
02/08/2029 00:00:00	♁	04°53'00" ♂	17°20'57"	04°27'54"	11°52'06"	0.003
02/08/2029 00:00:00	♁	01°36'10" ♁	11°37'26"	00°46'18"	01°33'40"	1.160
02/08/2029 00:00:00	♀	13°43'58" ♁	07°33'52"	01°15'56"	01°11'29"	1.296
02/08/2029 00:00:00	♂	26°42'08" ♁	-10°52'29"	-00°37'19"	00°34'25"	1.373
02/08/2029 00:00:00	♃	20°51'39" ♁	-07°03'29"	01°10'09"	00°07'42"	5.690

Ephemerides year 2029

02/08/2029 00:00:00	♃	23°55'45" ♂	16°35'31"	-02°13'41"	00°03'35"	9.346
02/08/2029 00:00:00	♅	17°24'50" ♀	22°51'04"	00°00'40"	00°02'27"	19.848
02/08/2029 00:00:00	♆	11°02'45" ♀	02°58'44"	-01°30'41"	-00°00'35"	29.353
02/08/2029 00:00:00	♁	09°13'33" ♀	-23°29'30"	-05°45'35"	-00°01'23"	35.327
02/08/2029 00:00:00	♄	04°05'27" ♀	-23°22'20"	00°00'00"	-00°00'38"	0.002
02/08/2029 00:00:00	♂	12°33'46" ♂	14°30'38"	-01°08'57"	00°00'48"	17.439
02/08/2029 00:00:00	♁	27°12'54" ♀	14°51'00"	04°41'22"	00°06'42"	0.003
02/08/2029 00:00:00	♄	04°05'27" ♀	-23°22'20"	00°00'00"	-00°00'38"	0.002
02/08/2029 00:00:00	♁	27°44'14" ♀	15°06'21"	04°45'36"	-01°01'56"	0.003
02/08/2029 00:00:00	♁	26°39'04" ♀	01°04'01"	-09°51'41"	-00°00'06"	94.963
02/08/2029 00:00:00	♅	04°22'04" ♀	09°28'32"	-11°43'33"	00°00'24"	82.537
03/08/2029 00:00:00	♁	10°57'40" ♀	17°28'40"	00°00'00"	00°57'25"	1.015
03/08/2029 00:00:00	♃	16°46'30" ♂	20°30'28"	03°49'22"	11°55'43"	0.003
03/08/2029 00:00:00	♁	03°08'59" ♀	10°57'01"	00°38'44"	01°31'56"	1.147
03/08/2029 00:00:00	♁	14°55'27" ♀	07°04'25"	01°13'55"	01°11'27"	1.290
03/08/2029 00:00:00	♂	27°16'38" ♀	-11°05'45"	-00°38'11"	00°34'35"	1.379
03/08/2029 00:00:00	♁	20°59'25" ♀	-07°06'35"	01°09'56"	00°07'49"	5.705
03/08/2029 00:00:00	♃	23°59'18" ♂	16°36'12"	-02°13'53"	00°03'30"	9.330
03/08/2029 00:00:00	♅	17°27'16" ♀	22°51'19"	00°00'41"	00°02'24"	19.835

Ephemerides year 2029

03/08/2029 00:00:00	♁	11°02'08" ♏	02°58'27"	-01°30'45"	-00°00'37"	29.339
03/08/2029 00:00:00	♁	09°12'10" ♏	-23°29'57"	o-05°45'39"	-00°01'23"	35.329
03/08/2029 00:00:00	♁	04°05'28" ♏	-23°22'20"	00°00'00"	00°00'37"	0.002
03/08/2029 00:00:00	♁	12°34'33" ♏	14°30'44"	-01°09'06"	00°00'44"	17.421
03/08/2029 00:00:00	♁	27°19'36" ♏	14°53'06"	04°41'00"	00°06'42"	0.003
03/08/2029 00:00:00	T♁	04°05'28" ♏	-23°22'20"	00°00'00"	00°00'37"	0.002
03/08/2029 00:00:00	T♁	26°36'22" ♏	14°43'49"	04°48'00"	-01°16'51"	0.003
03/08/2029 00:00:00	X	26°38'57" ♏	01°03'55"	-09°51'45"	-00°00'06"	94.947
03/08/2029 00:00:00	Y	04°22'28" ♏	09°28'28"	-11°43'41"	00°00'23"	82.521
04/08/2029 00:00:00	♁	11°55'06" ♏	17°12'50"	00°00'00"	00°57'26"	1.015
04/08/2029 00:00:00	♁	28°46'06" ♏	22°48'57"	03°00'31"	12°04'17"	0.003
04/08/2029 00:00:00	♁	04°40'04" ♏	10°16'34"	00°30'51"	01°30'13"	1.134
04/08/2029 00:00:00	♁	16°06'53" ♏	06°34'48"	01°11'49"	01°11'24"	1.283
04/08/2029 00:00:00	♁	27°51'19" ♏	-11°19'01"	-00°39'03"	00°34'46"	1.386
04/08/2029 00:00:00	♁	21°07'18" ♏	-07°09'44"	01°09'43"	00°07'56"	5.719
04/08/2029 00:00:00	♁	24°02'45" ♏	16°36'51"	-02°14'04"	00°03'24"	9.313
04/08/2029 00:00:00	♁	17°29'40" ♏	22°51'33"	00°00'41"	00°02'22"	19.821
04/08/2029 00:00:00	♁	11°01'30" ♏	02°58'09"	-01°30'48"	-00°00'39"	29.324
04/08/2029 00:00:00	♁	09°10'47" ♏	-23°30'24"	o-05°45'43"	-00°01'22"	35.330

Ephemerides year 2029

04/08/2029 00:00:00	♏	04°06'32" ♁	-23°22'18"	00°00'00"	00°01'25"	0.002
04/08/2029 00:00:00	♋	12°35'16" ♁	14°30'48"	-01°09'14"	00°00'41"	17.404
04/08/2029 00:00:00	♋	27°26'19" ♁	14°55'12"	04°40'38"	00°06'42"	0.003
04/08/2029 00:00:00	T♏	04°06'32" ♁	-23°22'18"	00°00'00"	00°01'25"	0.002
04/08/2029 00:00:00	T♋	25°05'00" ♁	14°12'57"	04°50'59"	-01°48'07"	0.003
04/08/2029 00:00:00	X	26°38'50" ♁	01°03'49"	-09°51'49"	-00°00'07"	94.930
04/08/2029 00:00:00	Y	04°22'52" ♁	09°28'25"	-11°43'48"	00°00'23"	82.505
05/08/2029 00:00:00	♏	12°52'34" ♁	16°56'42"	00°00'00"	00°57'28"	1.014
05/08/2029 00:00:00	♎	10°56'40" ♁	24°06'30" ○	02°02'51"	12°17'36"	0.003
05/08/2029 00:00:00	♎	06°09'25" ♁	09°36'10"	00°22'41"	01°28'28"	1.121
05/08/2029 00:00:00	♎	17°18'16" ♁	06°05'00"	01°09'39"	01°11'21"	1.277
05/08/2029 00:00:00	♍	28°26'10" ♁	-11°32'17"	-00°39'54"	00°34'56"	1.392
05/08/2029 00:00:00	♍	21°15'18" ♁	-07°12'55"	01°09'30"	00°08'04"	5.734
05/08/2029 00:00:00	♌	24°06'07" ♁	16°37'29"	-02°14'16"	00°03'19"	9.297
05/08/2029 00:00:00	♌	17°32'02" ♁	22°51'46"	00°00'42"	00°02'20"	19.807
05/08/2029 00:00:00	♌	11°00'49" ♁	02°57'50"	-01°30'51"	-00°00'41"	29.310
05/08/2029 00:00:00	♌	09°09'24" ♁	-23°30'50" ○	-05°45'47"	-00°01'22"	35.332
05/08/2029 00:00:00	♏	04°08'06" ♁	-23°22'15"	00°00'00"	00°01'34"	0.002
05/08/2029 00:00:00	♋	12°35'56" ♁	14°30'52"	-01°09'23"	00°00'38"	17.386

Ephemerides year 2029

05/08/2029 00:00:00	☾	27°33'02" ♏	14°57'18"	04°40'16"	00°06'42"	0.003
05/08/2029 00:00:00	♁	04°08'06" ♏	-23°22'15"	00°00'00"	00°01'34"	0.002
05/08/2029 00:00:00	♁	22°57'05" ♏	13°28'43"	04°54'43"	-02°28'13"	0.003
05/08/2029 00:00:00	X	26°38'42" ♏	01°03'42"	-09°51'53"	-00°00'08"	94.914
05/08/2029 00:00:00	Y	04°23'14" ♏	09°28'21"	-11°43'56"	00°00'22"	82.489
06/08/2029 00:00:00	☉	13°50'03" ♏	16°40'19"	00°00'00"	00°57'29"	1.014
06/08/2029 00:00:00	☾	23°22'43" ♏	24°14'25" ♁	00°58'17"	12°35'08"	0.003
06/08/2029 00:00:00	♀	07°37'01" ♏	08°55'52"	00°14'14"	01°26'43"	1.108
06/08/2029 00:00:00	♀	18°29'36" ♏	05°35'03"	01°07'25"	01°11'19"	1.270
06/08/2029 00:00:00	♂	29°01'12" ♏	-11°45'32"	-00°40'44"	00°35'06"	1.398
06/08/2029 00:00:00	♂	21°23'26" ♏	-07°16'09"	01°09'18"	00°08'11"	5.748
06/08/2029 00:00:00	♃	24°09'23" ♏	16°38'05"	-02°14'28"	00°03'13"	9.281
06/08/2029 00:00:00	♃	17°34'21" ♏	22°52'00"	00°00'43"	00°02'18"	19.793
06/08/2029 00:00:00	♃	11°00'07" ♏	02°57'31"	-01°30'54"	-00°00'42"	29.296
06/08/2029 00:00:00	♃	09°08'02" ♏	-23°31'16" ♁	-05°45'51"	-00°01'22"	35.334
06/08/2029 00:00:00	♁	04°09'28" ♏	-23°22'12"	00°00'00"	00°01'01"	0.003
06/08/2029 00:00:00	♁	12°36'33" ♏	14°30'55"	-01°09'32"	00°00'34"	17.368
06/08/2029 00:00:00	☾	27°39'44" ♏	14°59'24"	04°39'53"	00°06'42"	0.003
06/08/2029 00:00:00	♁	04°09'28" ♏	-23°22'12"	00°00'00"	00°01'01"	0.003

Ephemerides year 2029

06/08/2029 00:00:00	T♄	20°10'01" ♏	12°29'23"	04°58'52"	-03°03'48"	0.003
06/08/2029 00:00:00	X	26°38'34" ♏	01°03'36"	-09°51'57"	-00°00'08"	94.898
06/08/2029 00:00:00	Y	04°23'36" ♀	09°28'17"	-11°44'04"	00°00'21"	82.473
07/08/2029 00:00:00	☉	14°47'33" ♏	16°23'39"	-00°00'00"	00°57'30"	1.014
07/08/2029 00:00:00	☾	06°08'03" ♎	23°06'55"	-00°10'41"	12°55'57"	0.003
07/08/2029 00:00:00	♀	09°02'50" ♏	08°15'44"	00°05'33"	01°24'56"	1.095
07/08/2029 00:00:00	♀	19°40'54" ♏	05°04'58"	01°05'05"	01°11'16"	1.264
07/08/2029 00:00:00	♂	29°36'23" ♎	-11°58'47"	-00°41'34"	00°35'16"	1.404
07/08/2029 00:00:00	♃	21°31'40" ♎	-07°19'25"	01°09'05"	00°08'18"	5.762
07/08/2029 00:00:00	♅	24°12'34" ♎	16°38'40"	-02°14'39"	00°03'07"	9.265
07/08/2029 00:00:00	♁	17°36'38" ♀	22°52'13"	00°00'43"	00°02'15"	19.778
07/08/2029 00:00:00	♃	10°59'24" ♏	02°57'11"	-01°30'57"	-00°00'44"	29.282
07/08/2029 00:00:00	♁	09°06'39" ♎	-23°31'43"	-05°45'55"	-00°01'22"	35.336
07/08/2029 00:00:00	♁	04°09'55" ♎	-23°22'11"	00°00'00"	-00°00'13"	0.003
07/08/2029 00:00:00	♃	12°37'06" ♎	14°30'56"	-01°09'41"	00°00'31"	17.351
07/08/2029 00:00:00	♄	27°46'27" ♏	15°01'29"	04°39'31"	00°06'42"	0.003
07/08/2029 00:00:00	T♁	04°09'55" ♎	-23°22'11"	00°00'00"	-00°00'13"	0.003
07/08/2029 00:00:00	T♄	16°56'14" ♏	11°18'32"	05°02'41"	-03°19'16"	0.003
07/08/2029 00:00:00	X	26°38'25" ♏	01°03'29"	-09°52'01"	-00°00'09"	94.882

Ephemerides year 2029

07/08/2029 00:00:00	Y	04°23'58" ♀	09°28'13"	-11°44'12"	00°00'21"	82.456
08/08/2029 00:00:00	☉	15°45'04" ♀	16°06'43"	-00°00'00"	00°57'31"	1.014
08/08/2029 00:00:00	☾	19°15'15" ♀	20°43'05"	-01°20'55"	13°18'36"	0.003
08/08/2029 00:00:00	♁	10°26'53" ♀	07°35'48"	-00°03'22"	01°23'07"	1.081
08/08/2029 00:00:00	♂	20°52'09" ♀	04°34'44"	01°02'42"	01°11'13"	1.257
08/08/2029 00:00:00	♂	00°11'44" ♀	-12°12'01"	-00°42'23"	00°35'25"	1.410
08/08/2029 00:00:00	♃	21°40'02" ♀	-07°22'43"	01°08'53"	00°08'25"	5.776
08/08/2029 00:00:00	♄	24°15'39" ♀	16°39'13"	-02°14'51"	00°03'02"	9.248
08/08/2029 00:00:00	♅	17°38'53" ♀	22°52'26"	00°00'44"	00°02'13"	19.764
08/08/2029 00:00:00	♆	10°58'38" ♀	02°56'51"	-01°31'00"	-00°00'46"	29.268
08/08/2029 00:00:00	♇	09°05'17" ♀	-23°32'08"	0°05'59"	-00°01'22"	35.339
08/08/2029 00:00:00	♈	04°08'51" ♀	-23°22'13"	00°00'00"	-00°01'57"	0.003
08/08/2029 00:00:00	♉	12°37'36" ♀	14°30'57"	-01°09'50"	00°00'28"	17.333
08/08/2029 00:00:00	♊	27°53'10" ♀	15°03'34"	04°39'08"	00°06'42"	0.003
08/08/2029 00:00:00	♋	04°08'51" ♀	-23°22'13"	00°00'00"	-00°01'57"	0.003
08/08/2029 00:00:00	♌	13°41'27" ♀	10°05'19"	05°05'26"	-03°05'18"	0.003
08/08/2029 00:00:00	X	26°38'15" ♀	01°03'22"	-09°52'05"	-00°00'09"	94.866
08/08/2029 00:00:00	Y	04°24'19" ♀	09°28'09"	-11°44'20"	00°00'20"	82.440
09/08/2029 00:00:00	☉	16°42'36" ♀	15°49'31"	-00°00'00"	00°57'32"	1.014

Ephemerides year 2029

09/08/2029 00:00:00	♃	02°45'16" ♈	17°07'48"	-02°28'30"	13°41'15"	0.003
09/08/2029 00:00:00	♆	11°49'05" ♎	06°56'09"	-00°12'30"	01°21'17"	1.068
09/08/2029 00:00:00	♀	22°03'22" ♎	04°04'24"	01°00'14"	01°11'10"	1.250
09/08/2029 00:00:00	♂	00°47'14" ♎	-12°25'14"	-00°43'12"	00°35'35"	1.417
09/08/2029 00:00:00	♃	21°48'31" ♈	-07°26'04"	01°08'41"	00°08'31"	5.791
09/08/2029 00:00:00	♅	24°18'38" ♊	16°39'45"	-02°15'03"	00°02'56"	9.232
09/08/2029 00:00:00	♁	17°41'05" ♈	22°52'39"	00°00'44"	00°02'11"	19.749
09/08/2029 00:00:00	♃	10°57'51" ♈	02°56'30"	-01°31'03"	-00°00'48"	29.254
09/08/2029 00:00:00	♃	09°03'54" ♈	-23°32'34"	-05°46'02"	-00°01'22"	35.342
09/08/2029 00:00:00	♁	04°05'56" ♈	-23°22'19"	00°00'00"	-00°03'52"	0.003
09/08/2029 00:00:00	♃	12°38'02" ♈	14°30'56"	-01°09'58"	00°00'24"	17.315
09/08/2029 00:00:00	♁	27°59'52" ♈	15°05'39"	04°38'45"	00°06'42"	0.003
09/08/2029 00:00:00	♁	04°05'56" ♈	-23°22'19"	00°00'00"	-00°03'52"	0.003
09/08/2029 00:00:00	♁	10°54'04" ♈	09°00'58"	05°06'53"	-02°26'24"	0.003
09/08/2029 00:00:00	X	26°38'05" ♈	01°03'14"	-09°52'09"	-00°00'10"	94.850
09/08/2029 00:00:00	Y	04°24'39" ♈	09°28'04"	-11°44'28"	00°00'19"	82.424
10/08/2029 00:00:00	♁	17°40'10" ♈	15°32'05"	-00°00'00"	00°57'33"	1.014
10/08/2029 00:00:00	♃	16°37'04" ♈	12°31'37"	-03°29'05"	14°01'49"	0.002
10/08/2029 00:00:00	♆	13°09'27" ♎	06°16'51"	-00°21'50"	01°19'24"	1.054



Ephemerides year 2029

10/08/2029 00:00:00	♀	23°14'31" ♍	03°33'56"	00°57'42"	01°11'07"	1.244
10/08/2029 00:00:00	♂	01°22'55" ♎	-12°38'26"	-00°44'00"	00°35'45"	1.423
10/08/2029 00:00:00	♃	21°57'06" ♌	-07°29'27"	01°08'29"	00°08'38"	5.804
10/08/2029 00:00:00	♅	24°21'32" ♋	16°40'16"	-02°15'15"	00°02'50"	9.215
10/08/2029 00:00:00	♁	17°43'15" ♉	22°52'52"	00°00'45"	00°02'08"	19.735
10/08/2029 00:00:00	♃	10°57'02" ♈	02°56'08"	-01°31'05"	-00°00'49"	29.241
10/08/2029 00:00:00	♁	09°02'32" ♉	-23°33'00"	0°05'46" ♏	-00°01'21"	35.345
10/08/2029 00:00:00	♁	04°01'10" ♈	-23°22'28"	00°00'00"	-00°05'36"	0.003
10/08/2029 00:00:00	♃	12°38'25" ♋	14°30'55"	-01°10'07"	00°00'21"	17.298
10/08/2029 00:00:00	♁	28°06'35" ♈	15°07'44"	04°38'22"	00°06'42"	0.003
10/08/2029 00:00:00	♁	04°01'10" ♈	-23°22'28"	00°00'00"	-00°05'36"	0.003
10/08/2029 00:00:00	♁	08°51'38" ♈	08°13'04"	05°07'21"	-01°38'32"	0.003
10/08/2029 00:00:00	X	26°37'54" ♈	01°03'07"	-09°52'13"	-00°00'11"	94.834
10/08/2029 00:00:00	Y	04°24'58" ♉	09°28'00"	-11°44'36"	00°00'18"	82.407
11/08/2029 00:00:00	♁	18°37'44" ♋	15°14'23"	-00°00'00"	00°57'35"	1.014
11/08/2029 00:00:00	♃	00°47'31" ♎	07°09'48"	-04°18'08"	14°18'13"	0.002
11/08/2029 00:00:00	♀	14°27'54" ♎	05°37'56"	-00°31'21"	01°17'29"	1.040
11/08/2029 00:00:00	♀	24°25'37" ♎	03°03'23"	00°55'05"	01°11'04"	1.237
11/08/2029 00:00:00	♂	01°58'44" ♎	-12°51'36"	-00°44'47"	00°35'54"	1.429

Ephemerides year 2029

11/08/2029 00:00:00	♃	22°05'48" ♈	-07°32'52"	01°08'17"	00°08'45"	5.818
11/08/2029 00:00:00	♅	24°24'19" ♉	16°40'45"	-02°15'27"	00°02'44"	9.199
11/08/2029 00:00:00	♆	17°45'22" ♊	22°53'04"	00°00'45"	00°02'06"	19.720
11/08/2029 00:00:00	♇	10°56'11" ♋	02°55'45"	-01°31'08"	-00°00'51"	29.227
11/08/2029 00:00:00	♁	09°01'10" ♌	-23°33'25" ♋	-05°46'08"	-00°01'21"	35.349
11/08/2029 00:00:00	♁	03°54'54" ♌	-23°22'39"	00°00'00"	-00°06'47"	0.003
11/08/2029 00:00:00	♂	12°38'45" ♌	14°30'53"	-01°10'16"	00°00'17"	17.280
11/08/2029 00:00:00	♁	28°13'17" ♌	15°09'48"	04°37'59"	00°06'42"	0.003
11/08/2029 00:00:00	♁	03°54'54" ♌	-23°22'39"	00°00'00"	-00°06'47"	0.003
11/08/2029 00:00:00	♁	07°34'01" ♌	07°42'21"	05°07'21"	-00°59'22"	0.003
11/08/2029 00:00:00	X	26°37'43" ♌	01°02'59"	-09°52'17"	-00°00'11"	94.818
11/08/2029 00:00:00	Y	04°25'17" ♌	09°27'55"	-11°44'44"	00°00'18"	82.390
12/08/2029 00:00:00	♁	19°35'20" ♌	14°56'27"	-00°00'00"	00°57'36"	1.013
12/08/2029 00:00:00	♁	15°11'36" ♌	01°20'51"	-04°51'40"	14°28'53"	0.002
12/08/2029 00:00:00	♁	15°44'25" ♌	04°59'28"	-00°41'02"	01°15'30"	1.026
12/08/2029 00:00:00	♁	25°36'40" ♌	02°32'45"	00°52'25"	01°11'01"	1.231
12/08/2029 00:00:00	♁	02°34'44" ♌	-13°04'45"	-00°45'34"	00°36'03"	1.435
12/08/2029 00:00:00	♃	22°14'37" ♈	-07°36'20"	01°08'05"	00°08'51"	5.832
12/08/2029 00:00:00	♅	24°27'01" ♉	16°41'12"	-02°15'39"	00°02'38"	9.183

Ephemerides year 2029

12/08/2029 00:00:00	♃	17°47'27" ♀	22°53'16"	00°00'46"	00°02'03"	19.705
12/08/2029 00:00:00	♃	10°55'19" ♀	02°55'22"	-01°31'11"	-00°00'53"	29.214
12/08/2029 00:00:00	♃	08°59'49" ♀	-23°33'50"	0-05°46'11"	-00°01'21"	35.353
12/08/2029 00:00:00	♃	03°47'51" ♀	-23°22'51"	00°00'00"	-00°07'08"	0.003
12/08/2029 00:00:00	♃	12°39'01" ♀	14°30'49"	-01°10'25"	00°00'14"	17.262
12/08/2029 00:00:00	♃	28°20'00" ♀	15°11'52"	04°37'36"	00°06'42"	0.003
12/08/2029 00:00:00	♃	03°47'51" ♀	-23°22'51"	00°00'00"	-00°07'08"	0.003
12/08/2029 00:00:00	♃	06°46'08" ♀	07°23'17"	05°07'16"	-00°40'06"	0.003
12/08/2029 00:00:00	X	26°37'31" ♀	01°02'51"	-09°52'21"	-00°00'12"	94.802
12/08/2029 00:00:00	Y	04°25'34" ♀	09°27'50"	-11°44'52"	00°00'17"	82.374
13/08/2029 00:00:00	♃	20°32'56" ♀	14°38'17"	-00°00'00"	00°57'37"	1.013
13/08/2029 00:00:00	♃	29°43'07" ♀	-04°34'44"	-05°06'49"	14°33'04"	0.002
13/08/2029 00:00:00	♃	16°58'55" ♀	04°21'31"	-00°50'52"	01°13'28"	1.012
13/08/2029 00:00:00	♃	26°47'40" ♀	02°02'02"	00°49'40"	01°10'58"	1.224
13/08/2029 00:00:00	♃	03°10'52" ♀	-13°17'52"	-00°46'20"	00°36'12"	1.441
13/08/2029 00:00:00	♃	22°23'32" ♀	-07°39'49"	01°07'53"	00°08'58"	5.846
13/08/2029 00:00:00	♃	24°29'37" ♀	16°41'38"	-02°15'51"	00°02'32"	9.166
13/08/2029 00:00:00	♃	17°49'30" ♀	22°53'28"	00°00'47"	00°02'01"	19.690
13/08/2029 00:00:00	♃	10°54'24" ♀	02°54'58"	-01°31'14"	-00°00'54"	29.201

Ephemerides year 2029

13/08/2029 00:00:00	♁	08°58'27" ♊	-23°34'15" ♍	-05°46'14"	-00°01'21"	35.357
13/08/2029 00:00:00	♁	03°40'56" ♊	-23°23'03"	00°00'00"	-00°06'32"	0.003
13/08/2029 00:00:00	♋	12°39'14" ♉	14°30'44"	-01°10'34"	00°00'10"	17.245
13/08/2029 00:00:00	♋	28°26'42" ♉	15°13'56"	04°37'13"	00°06'42"	0.003
13/08/2029 00:00:00	♁	03°40'56" ♊	-23°23'03"	00°00'00"	-00°06'32"	0.003
13/08/2029 00:00:00	♋	06°06'51" ♉	07°07'42"	05°07'16"	-00°41'13"	0.003
13/08/2029 00:00:00	♁	26°37'18" ♊	01°02'43"	-09°52'25"	-00°00'13"	94.787
13/08/2029 00:00:00	♁	04°25'51" ♊	09°27'45"	-11°45'00"	00°00'16"	82.357
14/08/2029 00:00:00	♁	21°30'34" ♉	14°19'53"	-00°00'00"	00°57'38"	1.013
14/08/2029 00:00:00	♁	14°15'39" ♊	-10°15'47"	-05°02'17"	14°31'02"	0.002
14/08/2029 00:00:00	♋	18°11'20" ♉	03°44'08"	-01°00'50"	01°11'22"	0.998
14/08/2029 00:00:00	♋	27°58'37" ♉	01°31'15"	00°46'51"	01°10'54"	1.217
14/08/2029 00:00:00	♋	03°47'09" ♉	-13°30'57"	-00°47'05"	00°36'22"	1.447
14/08/2029 00:00:00	♋	22°32'33" ♊	-07°43'21"	01°07'42"	00°09'04"	5.859
14/08/2029 00:00:00	♋	24°32'07" ♉	16°42'02"	-02°16'04"	00°02'26"	9.149
14/08/2029 00:00:00	♋	17°51'30" ♊	22°53'39"	00°00'47"	00°01'58"	19.675
14/08/2029 00:00:00	♋	10°53'29" ♉	02°54'34"	-01°31'17"	-00°00'56"	29.188
14/08/2029 00:00:00	♁	08°57'06" ♊	-23°34'39" ♍	-05°46'16"	-00°01'20"	35.361
14/08/2029 00:00:00	♁	03°35'03" ♊	-23°23'13"	00°00'00"	-00°05'07"	0.003

Ephemerides year 2029

14/08/2029 00:00:00	♁	12°39'23" ♀	14°30'39"	-01°10'43"	00°00'07"	17.227
14/08/2029 00:00:00	♁	28°33'24" ♀	15°15'59"	04°36'49"	00°06'42"	0.003
14/08/2029 00:00:00	♁	03°35'03" ♀	-23°23'13"	00°00'00"	-00°05'07"	0.003
14/08/2029 00:00:00	♁	05°20'57" ♀	06°49'37"	05°07'26"	-00°50'05"	0.003
14/08/2029 00:00:00	X	26°37'04" ♀	01°02'35"	-09°52'28"	-00°00'13"	94.771
14/08/2029 00:00:00	Y	04°26'08" ♀	09°27'40"	-11°45'09"	00°00'16"	82.340
15/08/2029 00:00:00	♁	22°28'12" ♀	14°01'15"	-00°00'00"	00°57'39"	1.013
15/08/2029 00:00:00	♁	28°43'30" ♀	-15°21'12"	-04°38'31"	14°23'55"	0.002
15/08/2029 00:00:00	♁	19°21'38" ♀	03°07'24"	-01°10'55"	01°09'11"	0.983
15/08/2029 00:00:00	♁	29°09'30" ♀	01°00'25"	00°43'58"	01°10'51"	1.210
15/08/2029 00:00:00	♁	04°23'36" ♀	-13°44'01"	-00°47'50"	00°36'31"	1.453
15/08/2029 00:00:00	♁	22°41'41" ♀	-07°46'54"	01°07'30"	00°09'11"	5.873
15/08/2029 00:00:00	♁	24°34'30" ♀	16°42'25"	-02°16'16"	00°02'20"	9.133
15/08/2029 00:00:00	♁	17°53'27" ♀	22°53'51"	00°00'48"	00°01'56"	19.659
15/08/2029 00:00:00	♁	10°52'31" ♀	02°54'09"	-01°31'20"	-00°00'58"	29.176
15/08/2029 00:00:00	♁	08°55'46" ♀	-23°35'03"	-05°46'19"	-00°01'20"	35.366
15/08/2029 00:00:00	♁	03°30'51" ♀	-23°23'20"	00°00'00"	-00°03'12"	0.003
15/08/2029 00:00:00	♁	12°39'29" ♀	14°30'32"	-01°10'52"	00°00'04"	17.210
15/08/2029 00:00:00	♁	28°40'07" ♀	15°18'02"	04°36'26"	00°06'42"	0.003

Ephemerides year 2029

15/08/2029 00:00:00	T♄	03°30'51" ♏	-23°23'20"	00°00'00"	-00°03'12"	0.003
15/08/2029 00:00:00	T♄	04°32'16" ♏	06°30'28"	05°07'39"	-00°42'11"	0.003
15/08/2029 00:00:00	X	26°36'50" ♏	01°02'27"	-09°52'32"	-00°00'14"	94.756
15/08/2029 00:00:00	Y	04°26'23" ♀	09°27'34"	-11°45'17"	00°00'15"	82.323
16/08/2029 00:00:00	☉	23°25'52" ♏	13°42'24"	-00°00'00"	00°57'40"	1.013
16/08/2029 00:00:00	☾	13°02'21" ♏	-19°31'14"	-03°57'34"	14°13'20"	0.002
16/08/2029 00:00:00	☿	20°29'42" ♏	02°31'22"	-01°21'05"	01°06'55"	0.969
16/08/2029 00:00:00	♀	00°20'20" ♏	00°29'33"	00°41'01"	01°10'48"	1.204
16/08/2029 00:00:00	♂	05°00'11" ♏	-13°57'02"	-00°48'35"	00°36'39"	1.459
16/08/2029 00:00:00	♃	22°50'56" ♏	-07°50'30"	01°07'19"	00°09'17"	5.886
16/08/2029 00:00:00	♅	24°36'48" ♏	16°42'46"	-02°16'28"	00°02'14"	9.116
16/08/2029 00:00:00	♁	17°55'22" ♀	22°54'01"	00°00'48"	00°01'53"	19.644
16/08/2029 00:00:00	♆	10°51'33" ♏	02°53'44"	-01°31'22"	-00°00'59"	29.163
16/08/2029 00:00:00	♁	08°54'26" ♏	-23°35'27"	o-05°46'21"	-00°01'19"	35.371
16/08/2029 00:00:00	♁	03°28'39" ♏	-23°23'23"	00°00'00"	-00°01'15"	0.003
16/08/2029 00:00:00	♃	12°39'32" ♏	14°30'24"	-01°11'01"	00°00'00"	17.192
16/08/2029 00:00:00	♁	28°46'49" ♏	15°20'05"	04°36'02"	00°06'42"	0.003
16/08/2029 00:00:00	T♄	03°28'39" ♏	-23°23'23"	00°00'00"	-00°01'15"	0.003
16/08/2029 00:00:00	T♄	04°10'19" ♏	06°21'53"	05°07'47"	00°06'01"	0.003

Ephemerides year 2029

16/08/2029 00:00:00	X	26°36'36" ♀	01°02'18"	-09°52'36"	-00°00'14"	94.741
16/08/2029 00:00:00	Y	04°26'38" ♀	09°27'28"	-11°45'25"	00°00'14"	82.306
17/08/2029 00:00:00	☉	24°23'32" ♀	13°23'20"	-00°00'00"	00°57'41"	1.012
17/08/2029 00:00:00	☾	27°09'35" ♀	-22°28'57"	-03°02'37"	14°00'55"	0.002
17/08/2029 00:00:00	♁	21°35'27" ♀	01°56'06"	-01°31'19"	01°04'33"	0.955
17/08/2029 00:00:00	♂	01°31'06" ♀	-00°01'20"	00°38'01"	01°10'44"	1.197
17/08/2029 00:00:00	♂	05°36'56" ♀	-14°10'00"	-00°49'19"	00°36'48"	1.465
17/08/2029 00:00:00	♃	23°00'16" ♀	-07°54'08"	01°07'08"	00°09'23"	5.899
17/08/2029 00:00:00	♄	24°39'00" ♀	16°43'05"	-02°16'40"	00°02'08"	9.100
17/08/2029 00:00:00	♅	17°57'14" ♀	22°54'12"	00°00'49"	00°01'51"	19.628
17/08/2029 00:00:00	♆	10°50'32" ♀	02°53'18"	-01°31'25"	-00°01'01"	29.151
17/08/2029 00:00:00	♇	08°53'06" ♀	-23°35'50"	-05°46'23"	-00°01'19"	35.376
17/08/2029 00:00:00	♈	03°28'12" ♀	-23°23'24"	00°00'00"	00°00'16"	0.003
17/08/2029 00:00:00	♉	12°39'31" ♀	14°30'15"	-01°11'10"	-00°00'02"	17.175
17/08/2029 00:00:00	♊	28°53'32" ♀	15°22'08"	04°35'38"	00°06'42"	0.003
17/08/2029 00:00:00	T♋	03°28'12" ♀	-23°23'24"	00°00'00"	00°00'16"	0.003
17/08/2029 00:00:00	T♌	04°58'33" ♀	06°41'00"	05°07'45"	01°35'51"	0.003
17/08/2029 00:00:00	X	26°36'21" ♀	01°02'10"	-09°52'39"	-00°00'15"	94.726
17/08/2029 00:00:00	Y	04°26'53" ♀	09°27'23"	-11°45'33"	00°00'14"	82.289

Ephemerides year 2029

18/08/2029 00:00:00	☉	25°21'14" ♈	13°04'03"	-00°00'00"	00°57'42"	1.012
18/08/2029 00:00:00	☾	11°04'01" ♎	-24°02'21"	o-01°57'36"	13°47'56"	0.003
18/08/2029 00:00:00	♁	22°38'46" ♉	01°21'42"	-01°41'37"	01°02'04"	0.940
18/08/2029 00:00:00	♂	02°41'49" ♋	-00°32'16"	00°34'56"	01°10'40"	1.190
18/08/2029 00:00:00	♂	06°13'48" ♉	-14°22'56"	-00°50'02"	00°36'56"	1.471
18/08/2029 00:00:00	♃	23°09'42" ♋	-07°57'47"	01°06'57"	00°09'29"	5.912
18/08/2029 00:00:00	♄	24°41'06" ♉	16°43'23"	-02°16'53"	00°02'02"	9.083
18/08/2029 00:00:00	♅	17°59'04" ♊	22°54'23"	00°00'50"	00°01'48"	19.612
18/08/2029 00:00:00	♆	10°49'30" ♏	02°52'51"	-01°31'28"	-00°01'02"	29.139
18/08/2029 00:00:00	♇	08°51'47" ♎	-23°36'14"	o-05°46'25"	-00°01'18"	35.381
18/08/2029 00:00:00	♈	03°28'55" ♉	-23°23'22"	00°00'00"	00°00'59"	0.003
18/08/2029 00:00:00	♁	12°39'27" ♉	14°30'06"	-01°11'18"	-00°00'05"	17.158
18/08/2029 00:00:00	♂	29°00'14" ♏	15°24'10"	04°35'14"	00°06'42"	0.003
18/08/2029 00:00:00	T♈	03°28'55" ♉	-23°23'22"	00°00'00"	00°00'59"	0.003
18/08/2029 00:00:00	T♁	07°27'23" ♏	07°39'23"	05°07'00"	03°21'26"	0.003
18/08/2029 00:00:00	X	26°36'06" ♏	01°02'01"	-09°52'43"	-00°00'15"	94.711
18/08/2029 00:00:00	Y	04°27'07" ♊	09°27'17"	-11°45'42"	00°00'13"	82.272
19/08/2029 00:00:00	☉	26°18'56" ♈	12°44'35"	-00°00'00"	00°57'43"	1.012
19/08/2029 00:00:00	☾	24°45'34" ♎	-24°06'41"	o-00°46'49"	13°35'13"	0.003



Ephemerides year 2029

19/08/2029 00:00:00	♀	23°39'34" ♍	00°48'12"	-01°51'56"	00°59'29"	0.925
19/08/2029 00:00:00	♀	03°52'27" ♋	-01°03'11"	00°31'48"	01°10'36"	1.183
19/08/2029 00:00:00	♂	06°50'50" ♎	-14°35'50"	-00°50'45"	00°37'05"	1.476
19/08/2029 00:00:00	♋	23°19'15" ♋	-08°01'28"	01°06'46"	00°09'35"	5.925
19/08/2029 00:00:00	♎	24°43'06" ♏	16°43'40"	-02°17'05"	00°01'56"	9.067
19/08/2029 00:00:00	♏	18°00'51" ♏	22°54'33"	00°00'50"	00°01'45"	19.597
19/08/2029 00:00:00	♏	10°48'27" ♏	02°52'24"	-01°31'30"	-00°01'04"	29.127
19/08/2029 00:00:00	♏	08°50'29" ♏	-23°36'36"	-05°46'27"	-00°01'18"	35.387
19/08/2029 00:00:00	♏	03°29'52" ♏	-23°23'21"	00°00'00"	00°00'43"	0.003
19/08/2029 00:00:00	♏	12°39'19" ♏	14°29'55"	-01°11'27"	-00°00'09"	17.140
19/08/2029 00:00:00	♏	29°06'57" ♏	15°26'12"	04°34'50"	00°06'42"	0.003
19/08/2029 00:00:00	T♏	03°29'52" ♏	-23°23'21"	00°00'00"	00°00'43"	0.003
19/08/2029 00:00:00	T♏	11°34'51" ♏	09°14'43"	05°04'23"	04°47'40"	0.003
19/08/2029 00:00:00	X	26°35'49" ♏	01°01'52"	-09°52'47"	-00°00'16"	94.696
19/08/2029 00:00:00	Y	04°27'19" ♏	09°27'11"	-11°45'50"	00°00'12"	82.255
20/08/2029 00:00:00	♏	27°16'40" ♏	12°24'54"	-00°00'00"	00°57'44"	1.012
20/08/2029 00:00:00	♏	08°14'39" ♏	-22°45'20"	00°25'26"	13°23'02"	0.003
20/08/2029 00:00:00	♀	24°37'43" ♍	00°15'44"	-02°02'16"	00°56'45"	0.911
20/08/2029 00:00:00	♀	05°03'02" ♋	-01°34'07"	00°28'36"	01°10'32"	1.176

Ephemerides year 2029

20/08/2029 00:00:00	♂	07°27'59" ♍	-14°48'40"	-00°51'27"	00°37'13"	1.482
20/08/2029 00:00:00	♃	23°28'53" ♉	-08°05'12"	01°06'35"	00°09'41"	5.938
20/08/2029 00:00:00	♅	24°44'59" ♋	16°43'55"	-02°17'18"	00°01'50"	9.050
20/08/2029 00:00:00	♁	18°02'36" ♈	22°54'43"	00°00'51"	00°01'43"	19.581
20/08/2029 00:00:00	♆	10°47'22" ♎	02°51'56"	-01°31'33"	-00°01'05"	29.116
20/08/2029 00:00:00	♁	08°49'11" ♉	-23°36'59"	o-05°46'28"	-00°01'17"	35.393
20/08/2029 00:00:00	♁	03°30'02" ♉	-23°23'21"	00°00'00"	-00°00'32"	0.003
20/08/2029 00:00:00	♃	12°39'08" ♋	14°29'43"	-01°11'36"	-00°00'12"	17.123
20/08/2029 00:00:00	♁	29°13'40" ♉	15°28'14"	04°34'26"	00°06'42"	0.003
20/08/2029 00:00:00	T♁	03°30'02" ♉	-23°23'21"	00°00'00"	-00°00'32"	0.003
20/08/2029 00:00:00	T♃	16°47'47" ♋	11°11'37"	04°58'43"	05°29'38"	0.003
20/08/2029 00:00:00	X	26°35'33" ♎	01°01'43"	-09°52'50"	-00°00'16"	94.682
20/08/2029 00:00:00	Y	04°27'32" ♈	09°27'05"	-11°45'59"	00°00'11"	82.238
21/08/2029 00:00:00	♁	28°14'25" ♉	12°05'01"	00°00'00"	00°57'45"	1.012
21/08/2029 00:00:00	♃	21°31'49" ♋	-20°08'50"	01°35'08"	13°11'20"	0.003
21/08/2029 00:00:00	♁	25°33'03" ♉	-00°15'38"	-02°12'35"	00°53'53"	0.896
21/08/2029 00:00:00	♀	06°13'33" ♉	-02°05'01"	00°25'21"	01°10'28"	1.169
21/08/2029 00:00:00	♂	08°05'17" ♍	-15°01'27"	-00°52'08"	00°37'21"	1.488
21/08/2029 00:00:00	♃	23°38'37" ♉	-08°08'57"	01°06'24"	00°09'46"	5.951

Ephemerides year 2029

21/08/2029 00:00:00	♃	24°46'47" ♄	16°44'09"	-02°17'30"	00°01'44"	9.034
21/08/2029 00:00:00	♅	18°04'18" ♀	22°54'53"	00°00'51"	00°01'40"	19.565
21/08/2029 00:00:00	♆	10°46'16" ♃	02°51'28"	-01°31'35"	-00°01'07"	29.104
21/08/2029 00:00:00	♁	08°47'54" ♁	-23°37'21"	0°05'46'30"	-00°01'17"	35.400
21/08/2029 00:00:00	♄	03°28'31" ♁	-23°23'23"	00°00'00"	-00°02'35"	0.003
21/08/2029 00:00:00	♂	12°38'54" ♄	14°29'30"	-01°11'45"	-00°00'15"	17.106
21/08/2029 00:00:00	♁	29°20'22" ♃	15°30'16"	04°34'01"	00°06'42"	0.003
21/08/2029 00:00:00	♁	03°28'31" ♁	-23°23'23"	00°00'00"	-00°02'35"	0.003
21/08/2029 00:00:00	♁	22°16'40" ♃	13°09'09"	04°50'00"	05°19'44"	0.003
21/08/2029 00:00:00	X	26°35'16" ♃	01°01'34"	-09°52'53"	-00°00'17"	94.667
21/08/2029 00:00:00	Y	04°27'43" ♀	09°26'58"	-11°46'07"	00°00'11"	82.221
22/08/2029 00:00:00	♁	29°12'11" ♁	11°44'57"	00°00'00"	00°57'46"	1.011
22/08/2029 00:00:00	♃	04°37'23" ♁	-16°32'08"	02°38'37"	12°59'49"	0.003
22/08/2029 00:00:00	♁	26°25'26" ♃	-00°45'50"	-02°22'51"	00°50'51"	0.881
22/08/2029 00:00:00	♁	07°24'00" ♁	-02°35'55"	00°22'02"	01°10'24"	1.162
22/08/2029 00:00:00	♁	08°42'42" ♃	-15°14'11"	-00°52'49"	00°37'29"	1.494
22/08/2029 00:00:00	♁	23°48'26" ♁	-08°12'43"	01°06'13"	00°09'52"	5.963
22/08/2029 00:00:00	♃	24°48'28" ♄	16°44'21"	-02°17'43"	00°01'38"	9.017
22/08/2029 00:00:00	♅	18°05'57" ♀	22°55'02"	00°00'52"	00°01'37"	19.549

Ephemerides year 2029

22/08/2029 00:00:00	♁	10°45'08" ♄	02°50'59"	-01°31'38"	-00°01'08"	29.093
22/08/2029 00:00:00	♁	08°46'37" ♄	-23°37'43"	o-05°46'31"	-00°01'16"	35.406
22/08/2029 00:00:00	♁	03°24'43" ♄	-23°23'29"	00°00'00"	-00°05'02"	0.003
22/08/2029 00:00:00	♁	12°38'36" ♄	14°29'17"	-01°11'54"	-00°00'19"	17.089
22/08/2029 00:00:00	♁	29°27'04" ♄	15°32'17"	04°33'37"	00°06'42"	0.003
22/08/2029 00:00:00	T♁	03°24'43" ♄	-23°23'29"	00°00'00"	-00°05'02"	0.003
22/08/2029 00:00:00	T♁	27°12'24" ♄	14°49'15"	04°39'41"	04°25'34"	0.003
22/08/2029 00:00:00	X	26°34'58" ♄	01°01'24"	-09°52'57"	-00°00'18"	94.653
22/08/2029 00:00:00	Y	04°27'54" ♄	09°26'52"	-11°46'15"	00°00'10"	82.203
23/08/2029 00:00:00	♁	00°09'58" ♄	11°24'42"	00°00'00"	00°57'47"	1.011
23/08/2029 00:00:00	♁	17°31'26" ♄	-12°11'50"	03°32'51"	12°48'16"	0.003
23/08/2029 00:00:00	♁	27°14'43" ♄	-01°14'44"	-02°33'02"	00°47'39"	0.867
23/08/2029 00:00:00	♁	08°34'22" ♄	-03°06'46"	00°18'40"	01°10'20"	1.155
23/08/2029 00:00:00	♁	09°20'16" ♄	-15°26'51"	-00°53'30"	00°37'37"	1.500
23/08/2029 00:00:00	♁	23°58'21" ♄	-08°16'32"	01°06'03"	00°09'57"	5.976
23/08/2029 00:00:00	♁	24°50'03" ♄	16°44'32"	-02°17'55"	00°01'31"	9.001
23/08/2029 00:00:00	♁	18°07'33" ♄	22°55'11"	00°00'53"	00°01'34"	19.532
23/08/2029 00:00:00	♁	10°43'59" ♄	02°50'30"	-01°31'40"	-00°01'09"	29.082
23/08/2029 00:00:00	♁	08°45'20" ♄	-23°38'05"	o-05°46'32"	-00°01'16"	35.413

Ephemerides year 2029

23/08/2029 00:00:00	♏	03°18'26" <span style="color:red">♁</span>	-23°23'39"	00°00'00"	-00°07'29"	0.003
23/08/2029 00:00:00	♋	12°38'15" <span style="color:red">♁</span>	14°29'02"	-01°12'03"	-00°00'22"	17.072
23/08/2029 00:00:00	♏	29°33'47" <span style="color:red">♁</span>	15°34'18"	04°33'12"	00°06'42"	0.003
23/08/2029 00:00:00	T♏	03°18'26" <span style="color:red">♁</span>	-23°23'39"	00°00'00"	-00°07'29"	0.003
23/08/2029 00:00:00	T♏	00°58'52" <span style="color:red">♁</span>	16°01'41"	04°30'06"	03°04'41"	0.003
23/08/2029 00:00:00	X	26°34'40" <span style="color:red">♁</span>	01°01'15"	-09°53'00"	-00°00'18"	94.639
23/08/2029 00:00:00	Y	04°28'04" <span style="color:red">♁</span>	09°26'45"	-11°46'24"	00°00'09"	82.186
24/08/2029 00:00:00	♏	01°07'46" <span style="color:red">♁</span>	11°04'16"	00°00'00"	00°57'49"	1.011
24/08/2029 00:00:00	♏	00°13'52" <span style="color:red">♁</span>	-07°23'58"	04°15'31"	12°36'35"	0.003
24/08/2029 00:00:00	♏	28°00'41" <span style="color:red">♁</span>	-01°42'14"	-02°43'07"	00°44'15"	0.852
24/08/2029 00:00:00	♏	09°44'41" <span style="color:red">♁</span>	-03°37'34"	00°15'15"	01°10'16"	1.148
24/08/2029 00:00:00	♏	09°57'57" <span style="color:red">♁</span>	-15°39'28"	-00°54'10"	00°37'45"	1.505
24/08/2029 00:00:00	♏	24°08'22" <span style="color:red">♁</span>	-08°20'22"	01°05'53"	00°10'03"	5.988
24/08/2029 00:00:00	♏	24°51'32" <span style="color:red">♁</span>	16°44'41"	-02°18'08"	00°01'25"	8.984
24/08/2029 00:00:00	♏	18°09'07" <span style="color:red">♁</span>	22°55'20"	00°00'53"	00°01'32"	19.516
24/08/2029 00:00:00	♏	10°42'48" <span style="color:red">♁</span>	02°50'00"	-01°31'43"	-00°01'11"	29.072
24/08/2029 00:00:00	♏	08°44'05" <span style="color:red">♁</span>	-23°38'26"	o-05°46'33"	-00°01'15"	35.421
24/08/2029 00:00:00	♏	03°09'54" <span style="color:red">♁</span>	-23°23'51"	00°00'00"	-00°09'29"	0.003
24/08/2029 00:00:00	♏	12°37'51" <span style="color:red">♁</span>	14°28'46"	-01°12'12"	-00°00'26"	17.055

Ephemerides year 2029

24/08/2029 00:00:00	☾	29°40'29" ♀	15°36'19"	04°32'47"	00°06'42"	0.003
24/08/2029 00:00:00	♄	03°09'54" ♀	-23°23'51"	00°00'00"	-00°09'29"	0.003
24/08/2029 00:00:00	♄	03°20'11" ♀	16°44'38"	04°23'10"	01°39'00"	0.003
24/08/2029 00:00:00	X	26°34'21" ♀	01°01'05"	-09°53'03"	-00°00'19"	94.625
24/08/2029 00:00:00	Y	04°28'13" ♀	09°26'38"	-11°46'32"	00°00'08"	82.169
25/08/2029 00:00:00	☉	02°05'36" ♀	10°43'40"	00°00'00"	00°57'50"	1.011
25/08/2029 00:00:00	☾	12°44'37" ♀	-02°22'59"	04°45'04"	12°24'57"	0.003
25/08/2029 00:00:00	♀	28°43'10" ♀	-02°08'12"	-02°53'02"	00°40'40"	0.837
25/08/2029 00:00:00	♀	10°54'55" ♀	-04°08'19"	00°11'46"	01°10'12"	1.141
25/08/2029 00:00:00	♂	10°35'47" ♀	-15°52'01"	-00°54'49"	00°37'53"	1.511
25/08/2029 00:00:00	♃	24°18'28" ♀	-08°24'13"	01°05'42"	00°10'08"	6.000
25/08/2029 00:00:00	♃	24°52'54" ♀	16°44'48"	-02°18'20"	00°01'19"	8.968
25/08/2029 00:00:00	♃	18°10'38" ♀	22°55'29"	00°00'54"	00°01'29"	19.500
25/08/2029 00:00:00	♃	10°41'36" ♀	02°49'30"	-01°31'45"	-00°01'12"	29.061
25/08/2029 00:00:00	♃	08°42'50" ♀	-23°38'47"	-05°46'33"	-00°01'14"	35.428
25/08/2029 00:00:00	♄	02°59'42" ♀	-23°24'06"	00°00'00"	-00°10'44"	0.003
25/08/2029 00:00:00	♃	12°37'23" ♀	14°28'29"	-01°12'21"	-00°00'29"	17.038
25/08/2029 00:00:00	☾	29°47'11" ♀	15°38'20"	04°32'22"	00°06'42"	0.003
25/08/2029 00:00:00	♄	02°59'42" ♀	-23°24'06"	00°00'00"	-00°10'44"	0.003

Ephemerides year 2029

25/08/2029 00:00:00	T♄	04°22'13" ♄	17°02'34"	04°19'31"	00°29'06"	0.003
25/08/2029 00:00:00	X	26°34'01" ♄	01°00'55"	-09°53'07"	-00°00'19"	94.611
25/08/2029 00:00:00	Y	04°28'21" ♀	09°26'32"	-11°46'41"	00°00'08"	82.152
26/08/2029 00:00:00	☉	03°03'28" ♄	10°22'54"	00°00'00"	00°57'52"	1.011
26/08/2029 00:00:00	☾	25°03'57" ♄	02°38'30"	05°00'45"	12°13'51"	0.003
26/08/2029 00:00:00	♀	29°21'57" ♄	-02°32'33"	-03°02'45"	00°36'51"	0.823
26/08/2029 00:00:00	♀	12°05'05" ♄	-04°38'59"	00°08'14"	01°10'07"	1.134
26/08/2029 00:00:00	♂	11°13'44" ♄	-16°04'30"	-00°55'28"	00°38'00"	1.517
26/08/2029 00:00:00	♃	24°28'39" ♄	-08°28'06"	01°05'32"	00°10'13"	6.013
26/08/2029 00:00:00	♅	24°54'10" ♄	16°44'54"	-02°18'33"	00°01'12"	8.951
26/08/2029 00:00:00	♁	18°12'06" ♀	22°55'37"	00°00'54"	00°01'26"	19.483
26/08/2029 00:00:00	♃	10°40'23" ♄	02°48'59"	-01°31'47"	-00°01'14"	29.051
26/08/2029 00:00:00	♁	08°41'35" ♄	-23°39'08"	-05°46'34"	-00°01'14"	35.436
26/08/2029 00:00:00	♁	02°48'45" ♄	-23°24'20"	00°00'00"	-00°10'59"	0.003
26/08/2029 00:00:00	♁	12°36'51" ♄	14°28'11"	-01°12'30"	-00°00'32"	17.022
26/08/2029 00:00:00	♁	29°53'54" ♄	15°40'20"	04°31'57"	00°06'42"	0.003
26/08/2029 00:00:00	T♁	02°48'45" ♄	-23°24'20"	00°00'00"	-00°10'59"	0.003
26/08/2029 00:00:00	T♄	04°28'01" ♄	17°03'38"	04°18'32"	-00°12'21"	0.003
26/08/2029 00:00:00	X	26°33'41" ♄	01°00'45"	-09°53'10"	-00°00'20"	94.597

Ephemerides year 2029

26/08/2029 00:00:00	Y	04°28'29" Ⅱ	09°26'24"	-11°46'49"	00°00'07"	82.134
27/08/2029 00:00:00	☉	04°01'21" ♍	10°01'57"	00°00'00"	00°57'53"	1.010
27/08/2029 00:00:00	☾	07°12'44" ♏	07°29'29"	05°02'31"	12°03'58"	0.003
27/08/2029 00:00:00	♀	29°56'48" ♍	-02°55'06"	-03°12'14"	00°32'48"	0.808
27/08/2029 00:00:00	♀	13°15'11" ♋	-05°09'35"	00°04'39"	01°10'03"	1.127
27/08/2029 00:00:00	♂	11°51'48" ♌	-16°16'54"	-00°56'07"	00°38'08"	1.522
27/08/2029 00:00:00	♃	24°38'55" ♋	-08°32'01"	01°05'22"	00°10'18"	6.024
27/08/2029 00:00:00	♄	24°55'20" ♌	16°44'59"	-02°18'46"	00°01'06"	8.935
27/08/2029 00:00:00	♅	18°13'31" Ⅱ	22°55'45"	00°00'55"	00°01'23"	19.467
27/08/2029 00:00:00	♆	10°39'08" ♏	02°48'28"	-01°31'49"	-00°01'15"	29.041
27/08/2029 00:00:00	♇	08°40'21" ♎	-23°39'28"	0-05°46'34"	-00°01'13"	35.444
27/08/2029 00:00:00	♈	02°38'03" ♎	-23°24'33"	00°00'00"	-00°10'15"	0.002
27/08/2029 00:00:00	♉	12°36'17" ♌	14°27'52"	-01°12'39"	-00°00'36"	17.005
27/08/2029 00:00:00	♊	00°00'36" ♌	15°42'20"	04°31'32"	00°06'42"	0.003
27/08/2029 00:00:00	T♈	02°38'03" ♎	-23°24'33"	00°00'00"	-00°10'15"	0.002
27/08/2029 00:00:00	T♉	04°07'09" ♌	16°56'54"	04°18'59"	-00°25'17"	0.003
27/08/2029 00:00:00	X	26°33'20" ♏	01°00'35"	-09°53'13"	-00°00'20"	94.584
27/08/2029 00:00:00	Y	04°28'36" Ⅱ	09°26'17"	-11°46'58"	00°00'06"	82.117
28/08/2029 00:00:00	☉	04°59'16" ♍	09°40'51"	00°00'00"	00°57'55"	1.010



Ephemerides year 2029

28/08/2029 00:00:00	♃	19°12'34" ♃	12°00'02"	04°50'51"	11°56'08"	0.003
28/08/2029 00:00:00	♆	00°27'29" ♆	-03°15'43"	-03°21'25"	00°28'30"	0.794
28/08/2029 00:00:00	♀	14°25'12" ♆	-05°40'06"	00°01'01"	01°09'59"	1.120
28/08/2029 00:00:00	♂	12°30'01" ♃	-16°29'14"	-00°56'44"	00°38'16"	1.528
28/08/2029 00:00:00	♃	24°49'17" ♆	-08°35'57"	01°05'12"	00°10'24"	6.036
28/08/2029 00:00:00	♃	24°56'24" ♃	16°45'01"	-02°18'58"	00°01'00"	8.919
28/08/2029 00:00:00	♃	18°14'53" ♃	22°55'53"	00°00'56"	00°01'20"	19.450
28/08/2029 00:00:00	♃	10°37'52" ♃	02°47'56"	-01°31'52"	-00°01'16"	29.031
28/08/2029 00:00:00	♃	08°39'09" ♃	-23°39'48"	-05°46'35"	-00°01'12"	35.452
28/08/2029 00:00:00	♃	02°28'33" ♃	-23°24'44"	00°00'00"	-00°08'37"	0.002
28/08/2029 00:00:00	♃	12°35'39" ♃	14°27'32"	-01°12'47"	-00°00'39"	16.988
28/08/2029 00:00:00	♃	00°07'18" ♃	15°44'20"	04°31'06"	00°06'42"	0.003
28/08/2029 00:00:00	♃	02°28'33" ♃	-23°24'44"	00°00'00"	-00°08'37"	0.002
28/08/2029 00:00:00	♃	03°43'29" ♃	16°49'30"	04°19'46"	-00°20'09"	0.003
28/08/2029 00:00:00	X	26°32'59" ♃	01°00'25"	-09°53'16"	-00°00'21"	94.570
28/08/2029 00:00:00	Y	04°28'42" ♃	09°26'10"	-11°47'06"	00°00'05"	82.100
29/08/2029 00:00:00	♃	05°57'12" ♃	09°19'36"	00°00'00"	00°57'57"	1.010
29/08/2029 00:00:00	♃	01°05'59" ♃	16°00'57"	04°26'37"	11°51'15"	0.003
29/08/2029 00:00:00	♆	00°53'44" ♆	-03°34'15"	-03°30'14"	00°23'57"	0.780

Ephemerides year 2029

29/08/2029 00:00:00	♀	15°35'09" ♈	-06°10'31"	-00°02'39"	01°09'55"	1.113
29/08/2029 00:00:00	♂	13°08'21" ♎	-16°41'30"	-00°57'22"	00°38'24"	1.533
29/08/2029 00:00:00	♃	24°59'43" ♈	-08°39'55"	01°05'03"	00°10'29"	6.048
29/08/2029 00:00:00	♅	24°57'21" ♉	16°45'03"	-02°19'11"	00°00'54"	8.903
29/08/2029 00:00:00	♁	18°16'13" ♀	22°56'01"	00°00'56"	00°01'18"	19.434
29/08/2029 00:00:00	♃	10°36'35" ♈	02°47'24"	-01°31'54"	-00°01'17"	29.021
29/08/2029 00:00:00	♁	08°37'56" ♈	-23°40'08"	o-05°46'35"	-00°01'11"	35.460
29/08/2029 00:00:00	♁	02°20'59" ♈	-23°24'53"	00°00'00"	-00°06'25"	0.002
29/08/2029 00:00:00	♃	12°34'58" ♈	14°27'11"	-01°12'56"	-00°00'42"	16.972
29/08/2029 00:00:00	♁	00°14'00" ♈	15°46'19"	04°30'41"	00°06'42"	0.003
29/08/2029 00:00:00	T♁	02°20'59" ♈	-23°24'53"	00°00'00"	-00°06'25"	0.002
29/08/2029 00:00:00	T♁	03°28'14" ♈	16°44'47"	04°20'21"	-00°10'41"	0.003
29/08/2029 00:00:00	X	26°32'38" ♈	01°00'15"	-09°53'19"	-00°00'21"	94.557
29/08/2029 00:00:00	Y	04°28'48" ♀	09°26'02"	-11°47'15"	00°00'05"	82.082
30/08/2029 00:00:00	♁	06°55'10" ♎	08°58'11"	00°00'00"	00°57'59"	1.010
30/08/2029 00:00:00	♃	12°56'20" ♈	19°23'08"	03°50'59"	11°50'09"	0.003
30/08/2029 00:00:00	♁	01°15'18" ♈	-03°50'31"	-03°38'38"	00°19'07"	0.766
30/08/2029 00:00:00	♀	16°45'02" ♈	-06°40'49"	-00°06'22"	01°09'50"	1.106
30/08/2029 00:00:00	♂	13°46'49" ♎	-16°53'41"	-00°57'59"	00°38'31"	1.539

Ephemerides year 2029

30/08/2029 00:00:00	♃	25°10'15" ♈	-08°43'54"	01°04'53"	00°10'34"	6.059
30/08/2029 00:00:00	♃	24°58'12" ♏	16°45'03"	-02°19'23"	00°00'47"	8.886
30/08/2029 00:00:00	♃	18°17'30" ♀	22°56'08"	00°00'57"	00°01'15"	19.417
30/08/2029 00:00:00	♃	10°35'17" ♄	02°46'51"	-01°31'56"	-00°01'18"	29.012
30/08/2029 00:00:00	♃	08°36'45" ♃	-23°40'27"	0-05°46'35"	-00°01'10"	35.469
30/08/2029 00:00:00	♃	02°15'47" ♁	-23°24'58"	00°00'00"	-00°04'00"	0.002
30/08/2029 00:00:00	♃	12°34'13" ♁	14°26'49"	-01°13'05"	-00°00'46"	16.956
30/08/2029 00:00:00	♃	00°20'43" ♏	15°48'18"	04°30'15"	00°06'42"	0.003
30/08/2029 00:00:00	♃	02°15'47" ♁	-23°24'58"	00°00'00"	-00°04'00"	0.002
30/08/2029 00:00:00	♃	03°19'45" ♁	16°42'15"	04°20'46"	-00°08'07"	0.003
30/08/2029 00:00:00	X	26°32'16" ♄	01°00'04"	-09°53'22"	-00°00'22"	94.544
30/08/2029 00:00:00	Y	04°28'52" ♀	09°25'55"	-11°47'23"	00°00'04"	82.065
31/08/2029 00:00:00	♃	07°53'11" ♃	08°36'38"	00°00'00"	00°58'01"	1.009
31/08/2029 00:00:00	♃	24°47'47" ♏	21°57'33"	03°05'19"	11°53'33"	0.003
31/08/2029 00:00:00	♀	01°31'53" ♈	-04°04'21"	-03°46'31"	00°14'01"	0.752
31/08/2029 00:00:00	♀	17°54'51" ♈	-07°10'59"	-00°10'09"	01°09'46"	1.099
31/08/2029 00:00:00	♂	14°25'25" ♃	-17°05'47"	-00°58'35"	00°38'39"	1.544
31/08/2029 00:00:00	♃	25°20'52" ♈	-08°47'55"	01°04'44"	00°10'39"	6.071
31/08/2029 00:00:00	♃	24°58'56" ♏	16°45'01"	-02°19'36"	00°00'41"	8.870

Ephemerides year 2029

31/08/2029 00:00:00	♃	18°18'43" ♀	22°56'15"	00°00'57"	00°01'12"	19.400
31/08/2029 00:00:00	♃	10°33'57" ♀	02°46'18"	-01°31'58"	-00°01'20"	29.003
31/08/2029 00:00:00	♃	08°35'35" ♀	-23°40'46"	o-05°46'35"	-00°01'09"	35.478
31/08/2029 00:00:00	♃	02°12'55" ♀	-23°25'01"	00°00'00"	-00°01'47"	0.002
31/08/2029 00:00:00	♃	12°33'25" ♀	14°26'26"	-01°13'14"	-00°00'49"	16.940
31/08/2029 00:00:00	♃	00°27'25" ♀	15°50'17"	04°29'50"	00°06'42"	0.003
31/08/2029 00:00:00	T♃	02°12'55" ♀	-23°25'01"	00°00'00"	-00°01'47"	0.002
31/08/2029 00:00:00	T♃	03°07'24" ♀	16°38'35"	04°21'26"	-00°19'07"	0.003
31/08/2029 00:00:00	X	26°31'53" ♀	00°59'54"	-09°53'24"	-00°00'22"	94.531
31/08/2029 00:00:00	Y	04°28'56" ♀	09°25'47"	-11°47'32"	00°00'03"	82.048
01/09/2029 00:00:00	♃	08°51'13" ♀	08°14'56"	00°00'00"	00°58'03"	1.009
01/09/2029 00:00:00	♃	06°45'08" ♀	23°35'17"	o 02°11'10"	12°01'59"	0.003
01/09/2029 00:00:00	♃	01°43'14" ♀	-04°15'33"	-03°53'48"	00°08'38"	0.739
01/09/2029 00:00:00	♃	19°04'35" ♀	-07°41'02"	-00°13'57"	01°09'41"	1.092
01/09/2029 00:00:00	♃	15°04'08" ♀	-17°17'48"	-00°59'11"	00°38'46"	1.550
01/09/2029 00:00:00	♃	25°31'34" ♀	-08°51'56"	01°04'34"	00°10'44"	6.082
01/09/2029 00:00:00	♃	24°59'34" ♀	16°44'58"	-02°19'49"	00°00'34"	8.854
01/09/2029 00:00:00	♃	18°19'54" ♀	22°56'22"	00°00'58"	00°01'09"	19.383
01/09/2029 00:00:00	♃	10°32'37" ♀	02°45'44"	-01°32'00"	-00°01'21"	28.994

Ephemerides year 2029

01/09/2029 00:00:00	♁	08°34'25" ♋	-23°41'04" ♁	-05°46'34"	-00°01'09"	35.488
01/09/2029 00:00:00	♁	02°11'58" ♋	-23°25'02"	00°00'00"	-00°00'12"	0.002
01/09/2029 00:00:00	♋	12°32'34" ♋	14°26'03"	-01°13'23"	-00°00'52"	16.924
01/09/2029 00:00:00	♁	00°34'07" ♋	15°52'16"	04°29'24"	00°06'42"	0.003
01/09/2029 00:00:00	♁	02°11'58" ♋	-23°25'02"	00°00'00"	-00°00'12"	0.002
01/09/2029 00:00:00	♁	02°36'09" ♋	16°29'07"	04°22'54"	-00°45'58"	0.003
01/09/2029 00:00:00	♁	26°31'30" ♋	00°59'43"	-09°53'27"	-00°00'23"	94.519
01/09/2029 00:00:00	♁	04°29'00" ♋	09°25'39"	-11°47'40"	00°00'02"	82.031
02/09/2029 00:00:00	♁	09°49'17" ♋	07°53'07"	00°00'00"	00°58'05"	1.009
02/09/2029 00:00:00	♁	18°53'33" ♋	24°08'19" ♁	01°10'17"	12°15'42"	0.003
02/09/2029 00:00:00	♁	01°49'05" ♋	-04°23'55"	-04°00'24"	00°02'59"	0.726
02/09/2029 00:00:00	♁	20°14'15" ♋	-08°10'57"	-00°17'48"	01°09'37"	1.084
02/09/2029 00:00:00	♁	15°42'58" ♋	-17°29'44"	-00°59'46"	00°38'54"	1.555
02/09/2029 00:00:00	♁	25°42'20" ♋	-08°56'00"	01°04'25"	00°10'48"	6.093
02/09/2029 00:00:00	♁	25°00'06" ♋	16°44'53"	-02°20'01"	00°00'28"	8.838
02/09/2029 00:00:00	♁	18°21'03" ♋	22°56'28"	00°00'59"	00°01'06"	19.367
02/09/2029 00:00:00	♁	10°31'15" ♋	02°45'11"	-01°32'02"	-00°01'22"	28.986
02/09/2029 00:00:00	♁	08°33'17" ♋	-23°41'22" ♁	-05°46'34"	-00°01'08"	35.497
02/09/2029 00:00:00	♁	02°12'11" ♋	-23°25'02"	00°00'00"	00°00'27"	0.002

Ephemerides year 2029

02/09/2029 00:00:00	♁	12°31'40" ♀	14°25'38"	-01°13'32"	-00°00'55"	16.908
02/09/2029 00:00:00	♁	00°40'50" ♀	15°54'14"	04°28'58"	00°06'42"	0.003
02/09/2029 00:00:00	♁	02°12'11" ♀	-23°25'02"	00°00'00"	00°00'27"	0.002
02/09/2029 00:00:00	♁	01°30'51" ♀	16°08'53"	04°25'44"	-01°26'29"	0.003
02/09/2029 00:00:00	X	26°31'07" ♀	00°59'32"	-09°53'30"	-00°00'23"	94.506
02/09/2029 00:00:00	Y	04°29'02" ♀	09°25'31"	-11°47'49"	00°00'02"	82.013
03/09/2029 00:00:00	♁	10°47'23" ♀	07°31'09"	-00°00'00"	00°58'06"	1.009
03/09/2029 00:00:00	♁	01°18'17" ♀	23°30'33"	00°04'48"	12°34'35"	0.003
03/09/2029 00:00:00	♁	01°49'08" ♀	-04°29'15"	-04°06'11"	-00°02'54"	0.713
03/09/2029 00:00:00	♁	21°23'50" ♀	-08°40'42"	-00°21'42"	01°09'32"	1.077
03/09/2029 00:00:00	♁	16°21'57" ♀	-17°41'34"	-01°00'21"	00°39'01"	1.561
03/09/2029 00:00:00	♁	25°53'11" ♀	-09°00'04"	01°04'16"	00°10'53"	6.104
03/09/2029 00:00:00	♁	25°00'31" ♀	16°44'47"	-02°20'14"	00°00'21"	8.822
03/09/2029 00:00:00	♁	18°22'08" ♀	22°56'35"	00°00'59"	00°01'03"	19.350
03/09/2029 00:00:00	♁	10°29'52" ♀	02°44'36"	-01°32'04"	-00°01'23"	28.977
03/09/2029 00:00:00	♁	08°32'09" ♀	-23°41'40"	-05°46'33"	-00°01'07"	35.507
03/09/2029 00:00:00	♁	02°12'33" ♀	-23°25'01"	00°00'00"	00°00'04"	0.002
03/09/2029 00:00:00	♁	12°30'42" ♀	14°25'12"	-01°13'40"	-00°00'59"	16.892
03/09/2029 00:00:00	♁	00°47'32" ♀	15°56'12"	04°28'31"	00°06'42"	0.003

Ephemerides year 2029

03/09/2029 00:00:00	T♁	02°12'33" ♁	-23°25'01"	00°00'00"	00°00'04"	0.002
03/09/2029 00:00:00	T♄	29°41'04" ♁	15°34'01"	04°30'06"	-02°13'10"	0.003
03/09/2029 00:00:00	X	26°30'43" ♁	00°59'21"	-09°53'32"	-00°00'24"	94.494
03/09/2029 00:00:00	Y	04°29'04" ♁	09°25'23"	-11°47'57"	00°00'01"	81.996
04/09/2029 00:00:00	☉	11°45'31" ♁	07°09'05"	-00°00'00"	00°58'08"	1.009
04/09/2029 00:00:00	☾	14°04'14" ♁	21°39'14"	-01°02'38"	12°57'58"	0.003
04/09/2029 00:00:00	♃	01°43'12" ♁	-04°31'22"	-04°11'04"	-00°09'01"	0.701
04/09/2029 00:00:00	♀	22°33'20" ♁	-09°10'17"	-00°25'37"	01°09'28"	1.070
04/09/2029 00:00:00	♂	17°01'02" ♁	-17°53'19"	-01°00'55"	00°39'09"	1.566
04/09/2029 00:00:00	♂	26°04'07" ♁	-09°04'10"	01°04'07"	00°10'58"	6.115
04/09/2029 00:00:00	♅	25°00'50" ♁	16°44'39"	-02°20'26"	00°00'15"	8.806
04/09/2029 00:00:00	♁	18°23'10" ♁	22°56'41"	00°01'00"	00°01'00"	19.333
04/09/2029 00:00:00	♃	10°28'28" ♁	02°44'02"	-01°32'06"	-00°01'24"	28.969
04/09/2029 00:00:00	♁	08°31'02" ♁	-23°41'57"	o-05°46'32"	-00°01'06"	35.517
04/09/2029 00:00:00	♁	02°11'59" ♁	-23°25'02"	00°00'00"	-00°01'21"	0.002
04/09/2029 00:00:00	♁	12°29'41" ♁	14°24'45"	-01°13'49"	-00°01'02"	16.876
04/09/2029 00:00:00	♁	00°54'14" ♁	15°58'10"	04°28'05"	00°06'42"	0.003
04/09/2029 00:00:00	T♁	02°11'59" ♁	-23°25'02"	00°00'00"	-00°01'21"	0.002
04/09/2029 00:00:00	T♄	27°06'42" ♁	14°43'26"	04°35'39"	-02°53'12"	0.003

Ephemerides year 2029

04/09/2029 00:00:00	X	26°30'18" ♀	00°59'11"	-09°53'35"	-00°00'24"	94.482
04/09/2029 00:00:00	Y	04°29'05" ♀	09°25'15"	-11°48'06"	00°00'00"	81.979
05/09/2029 00:00:00	♁	12°43'41" ♃	06°46'53"	-00°00'00"	00°58'10"	1.008
05/09/2029 00:00:00	♂	27°15'19" ♃	18°35'53"	-02°08'51"	13°24'34"	0.003
05/09/2029 00:00:00	♀	01°31'03" ♀	-04°30'03"	-04°14'54"	-00°15'18"	0.690
05/09/2029 00:00:00	♁	23°42'46" ♀	-09°39'42"	-00°29'35"	01°09'23"	1.063
05/09/2029 00:00:00	♂	17°40'15" ♃	-18°04'58"	-01°01'29"	00°39'16"	1.572
05/09/2029 00:00:00	♃	26°15'07" ♀	-09°08'17"	01°03'58"	00°11'02"	6.125
05/09/2029 00:00:00	♃	25°01'02" ♂	16°44'30"	-02°20'39"	00°00'08"	8.790
05/09/2029 00:00:00	♃	18°24'09" ♀	22°56'47"	00°01'01"	00°00'57"	19.316
05/09/2029 00:00:00	♃	10°27'03" ♀	02°43'27"	-01°32'08"	-00°01'25"	28.961
05/09/2029 00:00:00	♃	08°29'56" ♀	-23°42'14"	-05°46'31"	-00°01'05"	35.527
05/09/2029 00:00:00	♁	02°09'34" ♀	-23°25'04"	00°00'00"	-00°03'34"	0.002
05/09/2029 00:00:00	♃	12°28'37" ♂	14°24'17"	-01°13'58"	-00°01'05"	16.861
05/09/2029 00:00:00	♃	01°00'57" ♂	16°00'08"	04°27'39"	00°06'42"	0.003
05/09/2029 00:00:00	T♁	02°09'34" ♀	-23°25'04"	00°00'00"	-00°03'34"	0.002
05/09/2029 00:00:00	T♃	24°01'40" ♀	13°40'34"	04°41'27"	-03°12'27"	0.003
05/09/2029 00:00:00	X	26°29'53" ♀	00°59'00"	-09°53'37"	-00°00'25"	94.470
05/09/2029 00:00:00	Y	04°29'06" ♀	09°25'07"	-11°48'14"	00°00'00"	81.962



Ephemerides year 2029

06/09/2029 00:00:00	☉	13°41'52" ♍	06°24'35"	-00°00'00"	00°58'12"	1.008
06/09/2029 00:00:00	☾	10°53'46" ♋	14°26'55"	-03°09'54"	13°52'18"	0.003
06/09/2029 00:00:00	♃	01°12'33" ♉	-04°25'08"	-04°17'34"	-00°21'41"	0.680
06/09/2029 00:00:00	♄	24°52'07" ♈	-10°08'56"	-00°33'34"	01°09'18"	1.056
06/09/2029 00:00:00	♅	18°19'36" ♌	-18°16'31"	-01°02'02"	00°39'23"	1.577
06/09/2029 00:00:00	♆	26°26'12" ♈	-09°12'25"	01°03'49"	00°11'07"	6.136
06/09/2029 00:00:00	♇	25°01'08" ♉	16°44'19"	-02°20'51"	00°00'02"	8.775
06/09/2029 00:00:00	♈	18°25'05" ♈	22°56'52"	00°01'01"	00°00'54"	19.299
06/09/2029 00:00:00	♉	10°25'37" ♈	02°42'51"	-01°32'10"	-00°01'26"	28.954
06/09/2029 00:00:00	♊	08°28'51" ♈	-23°42'30"	-05°46'30"	-00°01'04"	35.538
06/09/2029 00:00:00	♋	02°04'43" ♈	-23°25'09"	00°00'00"	-00°06'10"	0.003
06/09/2029 00:00:00	♌	12°27'30" ♈	14°23'49"	-01°14'07"	-00°01'08"	16.845
06/09/2029 00:00:00	♍	01°07'39" ♈	16°02'05"	04°27'12"	00°06'42"	0.003
06/09/2029 00:00:00	♎	02°04'43" ♈	-23°25'09"	00°00'00"	-00°06'10"	0.003
06/09/2029 00:00:00	♏	20°51'07" ♈	12°33'33"	04°46'28"	-03°04'10"	0.003
06/09/2029 00:00:00	♐	26°29'28" ♈	00°58'48"	-09°53'40"	-00°00'25"	94.459
06/09/2029 00:00:00	♑	04°29'05" ♈	09°24'58"	-11°48'23"	-00°00'00"	81.945
07/09/2029 00:00:00	☉	14°40'06" ♍	06°02'10"	-00°00'00"	00°58'14"	1.008
07/09/2029 00:00:00	☾	24°59'24" ♋	09°23'41"	-04°01'25"	14°18'26"	0.002

Ephemerides year 2029

07/09/2029 00:00:00	♀	00°47'40" ♈	-04°16'28"	-04°18'55"	-00°28'05"	0.670
07/09/2029 00:00:00	♀	26°01'23" ♈	-10°37'58"	-00°37'35"	01°09'13"	1.048
07/09/2029 00:00:00	♂	18°59'03" ♎	-18°27'58"	-01°02'35"	00°39'31"	1.582
07/09/2029 00:00:00	♃	26°37'21" ♈	-09°16'35"	01°03'40"	00°11'11"	6.146
07/09/2029 00:00:00	♃	25°01'07" ♄	16°44'07"	-02°21'04"	-00°00'04"	8.759
07/09/2029 00:00:00	♃	18°25'59" ♀	22°56'57"	00°01'02"	00°00'51"	19.282
07/09/2029 00:00:00	♃	10°24'09" ♄	02°42'15"	-01°32'12"	-00°01'27"	28.947
07/09/2029 00:00:00	♃	08°27'47" ♃	-23°42'46"	0-05°46'29"	-00°01'03"	35.549
07/09/2029 00:00:00	♃	01°57'17" ♄	-23°25'16"	00°00'00"	-00°08'36"	0.003
07/09/2029 00:00:00	♃	12°26'19" ♄	14°23'19"	-01°14'15"	-00°01'12"	16.830
07/09/2029 00:00:00	♃	01°14'21" ♄	16°04'02"	04°26'45"	00°06'42"	0.003
07/09/2029 00:00:00	T♃	01°57'17" ♄	-23°25'16"	00°00'00"	-00°08'36"	0.003
07/09/2029 00:00:00	T♃	18°00'24" ♄	11°31'42"	04°50'09"	-02°34'57"	0.003
07/09/2029 00:00:00	X	26°29'02" ♄	00°58'37"	-09°53'42"	-00°00'26"	94.447
07/09/2029 00:00:00	Y	04°29'04" ♀	09°24'50"	-11°48'31"	-00°00'01"	81.928
08/09/2029 00:00:00	☉	15°38'21" ♎	05°39'39"	-00°00'00"	00°58'16"	1.008
08/09/2029 00:00:00	☾	09°29'03" ♎	03°42'06"	-04°38'55"	14°39'51"	0.002
08/09/2029 00:00:00	♀	00°16'24" ♈	-04°03'56"	-04°18'48"	-00°34'24"	0.661
08/09/2029 00:00:00	♀	27°10'34" ♈	-11°06'47"	-00°41'38"	01°09'08"	1.041

Ephemerides year 2029

08/09/2029 00:00:00	♂	19°38'38" ♍	-18°39'18"	-01°03'07"	00°39'38"	1.588
08/09/2029 00:00:00	♃	26°48'35" ♈	-09°20'45"	01°03'32"	00°11'15"	6.156
08/09/2029 00:00:00	♃	25°00'59" ♈	16°43'53"	-02°21'16"	-00°00'10"	8.743
08/09/2029 00:00:00	♃	18°26'49" ♈	22°57'02"	00°01'02"	00°00'48"	19.265
08/09/2029 00:00:00	♃	10°22'41" ♈	02°41'39"	-01°32'13"	-00°01'28"	28.940
08/09/2029 00:00:00	♃	08°26'44" ♈	-23°43'02"	-05°46'28"	-00°01'02"	35.560
08/09/2029 00:00:00	♁	01°47'43" ♋	-23°25'24"	00°00'00"	-00°10'20"	0.003
08/09/2029 00:00:00	♃	12°25'05" ♈	14°22'48"	-01°14'24"	-00°01'15"	16.815
08/09/2029 00:00:00	♃	01°21'03" ♈	16°05'59"	04°26'19"	00°06'42"	0.003
08/09/2029 00:00:00	♁	01°47'43" ♋	-23°25'24"	00°00'00"	-00°10'20"	0.003
08/09/2029 00:00:00	♃	15°42'43" ♈	10°40'44"	04°52'35"	-02°01'07"	0.003
08/09/2029 00:00:00	X	26°28'36" ♈	00°58'26"	-09°53'44"	-00°00'26"	94.436
08/09/2029 00:00:00	Y	04°29'02" ♈	09°24'41"	-11°48'40"	-00°00'02"	81.911
09/09/2029 00:00:00	♁	16°36'38" ♋	05°17'02"	-00°00'00"	00°58'18"	1.007
09/09/2029 00:00:00	♁	24°16'35" ♋	-02°17'54"	-04°58'41"	14°53'47"	0.002
09/09/2029 00:00:00	♃	29°38'55" ♈	-03°47'28"	-04°17'06"	-00°40'29"	0.654
09/09/2029 00:00:00	♀	28°19'39" ♈	-11°35'23"	-00°45'42"	01°09'03"	1.034
09/09/2029 00:00:00	♂	20°18'20" ♍	-18°50'32"	-01°03'39"	00°39'45"	1.593
09/09/2029 00:00:00	♃	26°59'52" ♈	-09°24'56"	01°03'23"	00°11'19"	6.166

Ephemerides year 2029

09/09/2029 00:00:00	♃	25°00'45" ♉	16°43'38"	-02°21'28"	-00°00'17"	8.728
09/09/2029 00:00:00	♃	18°27'36" ♉	22°57'07"	00°01'03"	00°00'45"	19.248
09/09/2029 00:00:00	♃	10°21'12" ♉	02°41'03"	-01°32'15"	-00°01'29"	28.933
09/09/2029 00:00:00	♃	08°25'42" ♉	-23°43'17"	0-05°46'26"	-00°01'01"	35.571
09/09/2029 00:00:00	♃	01°36'58" ♉	-23°25'32"	00°00'00"	-00°10'57"	0.003
09/09/2029 00:00:00	♃	12°23'48" ♉	14°22'17"	-01°14'33"	-00°01'18"	16.800
09/09/2029 00:00:00	♃	01°27'45" ♉	16°07'55"	04°25'52"	00°06'42"	0.003
09/09/2029 00:00:00	♃	01°36'58" ♉	-23°25'32"	00°00'00"	-00°10'57"	0.003
09/09/2029 00:00:00	♃	13°54'14" ♉	10°00'03"	04°54'16"	-01°38'43"	0.003
09/09/2029 00:00:00	X	26°28'09" ♉	00°58'15"	-09°53'46"	-00°00'27"	94.425
09/09/2029 00:00:00	Y	04°28'59" ♉	09°24'33"	-11°48'48"	-00°00'03"	81.894
10/09/2029 00:00:00	♃	17°34'57" ♉	04°54'21"	-00°00'00"	00°58'19"	1.007
10/09/2029 00:00:00	♃	09°13'33" ♉	-08°13'29"	-04°58'22"	14°58'31"	0.002
10/09/2029 00:00:00	♃	28°55'33" ♉	-03°27'06"	-04°13'40"	-00°46'10"	0.648
10/09/2029 00:00:00	♃	29°28'40" ♉	-12°03'46"	-00°49'48"	01°08'57"	1.026
10/09/2029 00:00:00	♃	20°58'09" ♉	-19°01'39"	-01°04'10"	00°39'52"	1.598
10/09/2029 00:00:00	♃	27°11'14" ♉	-09°29'09"	01°03'15"	00°11'23"	6.176
10/09/2029 00:00:00	♃	25°00'25" ♉	16°43'21"	-02°21'41"	-00°00'23"	8.713
10/09/2029 00:00:00	♃	18°28'19" ♉	22°57'11"	00°01'04"	00°00'42"	19.231

Ephemerides year 2029

10/09/2029 00:00:00	♁	10°19'42" ♏	02°40'26"	-01°32'17"	-00°01'30"	28.926
10/09/2029 00:00:00	♁	08°24'42" ♏	-23°43'32"	o-05°46'24"	-00°01'00"	35.582
10/09/2029 00:00:00	♁	01°26'15" ♏	-23°25'40"	00°00'00"	-00°10'16"	0.003
10/09/2029 00:00:00	♁	12°22'28" ♏	14°21'44"	-01°14'41"	-00°01'21"	16.786
10/09/2029 00:00:00	♁	01°34'27" ♏	16°09'51"	04°25'25"	00°06'42"	0.003
10/09/2029 00:00:00	T♁	01°26'15" ♏	-23°25'40"	00°00'00"	-00°10'16"	0.003
10/09/2029 00:00:00	T♁	12°18'40" ♏	09°24'00"	04°55'45"	-01°35'43"	0.003
10/09/2029 00:00:00	X	26°27'42" ♏	00°58'03"	-09°53'48"	-00°00'27"	94.415
10/09/2029 00:00:00	Y	04°28'56" ♏	09°24'24"	-11°48'56"	-00°00'03"	81.877
11/09/2029 00:00:00	♁	18°33'18" ♏	04°31'34"	-00°00'00"	00°58'21"	1.007
11/09/2029 00:00:00	♁	24°10'32" ♏	-13°40'25"	-04°37'44"	14°53'58"	0.002
11/09/2029 00:00:00	♁	28°06'45" ♏	-03°02'54"	-04°08'25"	-00°51'18"	0.643
11/09/2029 00:00:00	♁	00°37'35" ♏	-12°31'54"	-00°53'55"	01°08'52"	1.019
11/09/2029 00:00:00	♁	21°38'05" ♏	-19°12'39"	-01°04'40"	00°39'59"	1.604
11/09/2029 00:00:00	♁	27°22'40" ♏	-09°33'22"	01°03'07"	00°11'27"	6.186
11/09/2029 00:00:00	♁	24°59'57" ♏	16°43'03"	-02°21'53"	-00°00'30"	8.697
11/09/2029 00:00:00	♁	18°29'00" ♏	22°57'16"	00°01'04"	00°00'39"	19.213
11/09/2029 00:00:00	♁	10°18'11" ♏	02°39'49"	-01°32'18"	-00°01'31"	28.920
11/09/2029 00:00:00	♁	08°23'42" ♏	-23°43'46"	o-05°46'23"	-00°00'59"	35.594

Ephemerides year 2029

11/09/2029 00:00:00	♏	01°16'49" ♁	-23°25'45"	00°00'00"	-00°08'25"	0.003
11/09/2029 00:00:00	♋	12°21'05" ♁	14°21'11"	-01°14'50"	-00°01'24"	16.771
11/09/2029 00:00:00	♌	01°41'09" ♁	16°11'47"	04°24'57"	00°06'42"	0.003
11/09/2029 00:00:00	♏	01°16'49" ♁	-23°25'45"	00°00'00"	-00°08'25"	0.003
11/09/2029 00:00:00	♌	10°37'26" ♁	08°45'41"	04°57'23"	-01°48'23"	0.003
11/09/2029 00:00:00	X	26°27'14" ♁	00°57'52"	-09°53'50"	-00°00'27"	94.404
11/09/2029 00:00:00	Y	04°28'52" ♁	09°24'15"	-11°49'05"	-00°00'04"	81.860
12/09/2029 00:00:00	♏	19°31'40" ♁	04°08'42"	-00°00'00"	00°58'23"	1.007
12/09/2029 00:00:00	♎	08°58'53" ♁	-18°15'10"	-03°58'34"	14°41'37"	0.002
12/09/2029 00:00:00	♌	27°13'12" ♁	-02°35'05"	-04°01'16"	-00°55'39"	0.640
12/09/2029 00:00:00	♌	01°46'24" ♁	-12°59'46"	-00°58'03"	01°08'46"	1.012
12/09/2029 00:00:00	♌	22°18'08" ♁	-19°23'32"	-01°05'11"	00°40'06"	1.609
12/09/2029 00:00:00	♉	27°34'10" ♁	-09°37'36"	01°02'59"	00°11'31"	6.195
12/09/2029 00:00:00	♏	24°59'24" ♁	16°42'43"	-02°22'05"	-00°00'36"	8.682
12/09/2029 00:00:00	♏	18°29'38" ♁	22°57'19"	00°01'05"	00°00'36"	19.196
12/09/2029 00:00:00	♏	10°16'39" ♁	02°39'12"	-01°32'20"	-00°01'32"	28.914
12/09/2029 00:00:00	♏	08°22'44" ♁	-23°44'00"	-05°46'21"	-00°00'57"	35.606
12/09/2029 00:00:00	♏	01°09'38" ♁	-23°25'49"	00°00'00"	-00°05'52"	0.003
12/09/2029 00:00:00	♋	12°19'39" ♁	14°20'37"	-01°14'58"	-00°01'27"	16.757

Ephemerides year 2029

12/09/2029 00:00:00	☾	01°47'51" ♀	16°13'43"	04°24'30"	00°06'42"	0.003
12/09/2029 00:00:00	♁	01°09'38" ♀	-23°25'49"	00°00'00"	-00°05'52"	0.003
12/09/2029 00:00:00	♁	08°41'52" ♀	08°01'40"	04°59'08"	-02°00'55"	0.003
12/09/2029 00:00:00	X	26°26'46" ♀	00°57'40"	-09°53'52"	-00°00'28"	94.394
12/09/2029 00:00:00	Y	04°28'47" ♀	09°24'06"	-11°49'13"	-00°00'05"	81.843
13/09/2029 00:00:00	☉	20°30'04" ♀	03°45'47"	-00°00'00"	00°58'24"	1.006
13/09/2029 00:00:00	☽	23°32'00" ♀	-21°37'42"	-03°04'26"	14°23'58"	0.002
13/09/2029 00:00:00	♀	26°15'45" ♀	-02°03'58"	-03°52'11"	-00°59'04"	0.638
13/09/2029 00:00:00	♀	02°55'07" ♀	-13°27'23"	-01°02'12"	01°08'40"	1.004
13/09/2029 00:00:00	♂	22°58'18" ♀	-19°34'17"	-01°05'40"	00°40'13"	1.614
13/09/2029 00:00:00	♃	27°45'44" ♀	-09°41'52"	01°02'51"	00°11'35"	6.204
13/09/2029 00:00:00	♄	24°58'44" ♀	16°42'22"	-02°22'17"	-00°00'43"	8.667
13/09/2029 00:00:00	♅	18°30'13" ♀	22°57'23"	00°01'05"	00°00'33"	19.179
13/09/2029 00:00:00	♆	10°15'07" ♀	02°38'34"	-01°32'21"	-00°01'32"	28.909
13/09/2029 00:00:00	♇	08°21'46" ♀	-23°44'13"	-05°46'19"	-00°00'56"	35.618
13/09/2029 00:00:00	♁	01°05'05" ♀	-23°25'52"	00°00'00"	-00°03'14"	0.003
13/09/2029 00:00:00	♂	12°18'10" ♀	14°20'01"	-01°15'07"	-00°01'30"	16.743
13/09/2029 00:00:00	☾	01°54'34" ♀	16°15'38"	04°24'03"	00°06'42"	0.003
13/09/2029 00:00:00	♁	01°05'05" ♀	-23°25'52"	00°00'00"	-00°03'14"	0.003

Ephemerides year 2029

13/09/2029 00:00:00	T♄	06°43'01" ♏	07°16'00"	05°00'40"	-01°51'24"	0.003
13/09/2029 00:00:00	X	26°26'18" ♏	00°57'28"	-09°53'54"	-00°00'28"	94.384
13/09/2029 00:00:00	Y	04°28'41" ♏	09°23'57"	-11°49'21"	-00°00'05"	81.827
14/09/2029 00:00:00	☉	21°28'30" ♏	03°22'47"	-00°00'00"	00°58'26"	1.006
14/09/2029 00:00:00	☾	07°46'00" ♏	-23°34'17"	-01°59'48"	14°03'48"	0.002
14/09/2029 00:00:00	♀	25°15'26" ♏	-01°29'58"	-03°41'10"	-01°01'20"	0.638
14/09/2029 00:00:00	♀	04°03'45" ♏	-13°54'43"	-01°06'22"	01°08'34"	0.997
14/09/2029 00:00:00	♂	23°38'35" ♏	-19°44'55"	-01°06'09"	00°40'19"	1.619
14/09/2029 00:00:00	♃	27°57'21" ♏	-09°46'08"	01°02'43"	00°11'39"	6.214
14/09/2029 00:00:00	♅	24°57'58" ♏	16°41'59"	-02°22'29"	-00°00'49"	8.652
14/09/2029 00:00:00	♁	18°30'45" ♏	22°57'26"	00°01'06"	00°00'30"	19.162
14/09/2029 00:00:00	♃	10°13'34" ♏	02°37'57"	-01°32'23"	-00°01'33"	28.903
14/09/2029 00:00:00	♁	08°20'50" ♏	-23°44'26"	-05°46'17"	-00°00'55"	35.631
14/09/2029 00:00:00	♁	01°02'58" ♏	-23°25'53"	00°00'00"	-00°01'07"	0.003
14/09/2029 00:00:00	♁	12°16'38" ♏	14°19'25"	-01°15'15"	-00°01'33"	16.729
14/09/2029 00:00:00	♁	02°01'16" ♏	16°17'33"	04°23'35"	00°06'42"	0.003
14/09/2029 00:00:00	T♁	01°02'58" ♏	-23°25'53"	00°00'00"	-00°01'07"	0.003
14/09/2029 00:00:00	T♄	05°11'25" ♏	06°40'31"	05°01'38"	-01°05'26"	0.003
14/09/2029 00:00:00	X	26°25'49" ♏	00°57'17"	-09°53'56"	-00°00'28"	94.374



Ephemerides year 2029

14/09/2029 00:00:00	Y	04°28'35" ♀	09°23'47"	-11°49'30"	-00°00'06"	81.810
15/09/2029 00:00:00	☉	22°26'57" ♍	02°59'44"	-00°00'00"	00°58'27"	1.006
15/09/2029 00:00:00	☾	21°39'35" ♋	-23°59'44"	0-00°49'26"	13°43'28"	0.003
15/09/2029 00:00:00	♀	24°13'29" ♍	-00°53'39"	-03°28'16"	-01°02'18"	0.641
15/09/2029 00:00:00	♀	05°12'16" ♍	-14°21'46"	-01°10'32"	01°08'27"	0.990
15/09/2029 00:00:00	♂	24°18'58" ♍	-19°55'25"	-01°06'38"	00°40'26"	1.624
15/09/2029 00:00:00	♃	28°09'02" ♉	-09°50'25"	01°02'36"	00°11'43"	6.222
15/09/2029 00:00:00	♅	24°57'05" ♄	16°41'35"	-02°22'40"	-00°00'55"	8.638
15/09/2029 00:00:00	♁	18°31'13" ♀	22°57'29"	00°01'07"	00°00'27"	19.145
15/09/2029 00:00:00	♃	10°12'00" ♉	02°37'19"	-01°32'24"	-00°01'34"	28.898
15/09/2029 00:00:00	♁	08°19'55" ♉	-23°44'39"	0-05°46'14"	-00°00'54"	35.643
15/09/2029 00:00:00	♁	01°02'30" ♋	-23°25'53"	00°00'00"	-00°00'01"	0.003
15/09/2029 00:00:00	♃	12°15'03" ♄	14°18'48"	-01°15'24"	-00°01'36"	16.715
15/09/2029 00:00:00	♁	02°07'58" ♄	16°19'28"	04°23'07"	00°06'42"	0.003
15/09/2029 00:00:00	♁	01°02'30" ♋	-23°25'53"	00°00'00"	-00°00'01"	0.003
15/09/2029 00:00:00	♁	04°43'03" ♉	06°29'31"	05°01'56"	00°12'46"	0.003
15/09/2029 00:00:00	X	26°25'20" ♉	00°57'05"	-09°53'57"	-00°00'29"	94.364
15/09/2029 00:00:00	Y	04°28'28" ♀	09°23'38"	-11°49'38"	-00°00'07"	81.793
16/09/2029 00:00:00	☉	23°25'26" ♍	02°36'38"	-00°00'00"	00°58'29"	1.005

Ephemerides year 2029

16/09/2029 00:00:00	♃	05°13'25" ♁	-22°57'51"	00°22'06"	13°24'31"	0.003
16/09/2029 00:00:00	♆	23°11'17" ♃	-00°15'39"	-03°13'38"	-01°01'51"	0.645
16/09/2029 00:00:00	♀	06°20'40" ♃	-14°48'31"	-01°14'43"	01°08'21"	0.982
16/09/2029 00:00:00	♂	24°59'28" ♃	-20°05'47"	-01°07'06"	00°40'32"	1.629
16/09/2029 00:00:00	♃	28°20'47" ♁	-09°54'42"	01°02'28"	00°11'46"	6.231
16/09/2029 00:00:00	♅	24°56'06" ♁	16°41'10"	-02°22'52"	-00°01'02"	8.623
16/09/2029 00:00:00	♃	18°31'39" ♁	22°57'32"	00°01'07"	00°00'24"	19.128
16/09/2029 00:00:00	♆	10°10'26" ♁	02°36'40"	-01°32'25"	-00°01'34"	28.893
16/09/2029 00:00:00	♁	08°19'02" ♁	-23°44'51"	o-05°46'12"	-00°00'52"	35.656
16/09/2029 00:00:00	♁	01°02'30" ♁	-23°25'53"	00°00'00"	-00°00'11"	0.003
16/09/2029 00:00:00	♁	12°13'25" ♁	14°18'11"	-01°15'32"	-00°01'39"	16.701
16/09/2029 00:00:00	♁	02°14'40" ♁	16°21'23"	04°22'39"	00°06'42"	0.003
16/09/2029 00:00:00	♁	01°02'30" ♁	-23°25'53"	00°00'00"	-00°00'11"	0.003
16/09/2029 00:00:00	♁	05°41'24" ♁	06°52'16"	05°01'27"	01°44'18"	0.003
16/09/2029 00:00:00	X	26°24'50" ♁	00°56'53"	-09°53'59"	-00°00'29"	94.355
16/09/2029 00:00:00	Y	04°28'20" ♁	09°23'29"	-11°49'46"	-00°00'08"	81.777
17/09/2029 00:00:00	♁	24°23'56" ♃	02°13'28"	00°00'00"	00°58'31"	1.005
17/09/2029 00:00:00	♃	18°29'23" ♁	-20°39'32"	01°30'51"	13°07'48"	0.003
17/09/2029 00:00:00	♆	22°10'15" ♃	00°23'16"	-02°57'25"	-00°59'55"	0.651

Ephemerides year 2029

17/09/2029 00:00:00	♀	07°28'58" ♍	-15°14'57"	-01°18'55"	01°08'14"	0.975
17/09/2029 00:00:00	♂	25°40'04" ♍	-20°16'01"	-01°07'33"	00°40'39"	1.635
17/09/2029 00:00:00	♃	28°32'36" ♌	-09°59'01"	01°02'21"	00°11'50"	6.240
17/09/2029 00:00:00	♅	24°55'01" ♋	16°40'43"	-02°23'04"	-00°01'08"	8.609
17/09/2029 00:00:00	♁	18°32'01" ♉	22°57'35"	00°01'08"	00°00'20"	19.111
17/09/2029 00:00:00	♆	10°08'51" ♋	02°36'02"	-01°32'26"	-00°01'35"	28.889
17/09/2029 00:00:00	♁	08°18'10" ♋	-23°45'02"	0-05°46'09"	-00°00'51"	35.669
17/09/2029 00:00:00	♄	01°01'43" ♋	-23°25'53"	00°00'00"	-00°01'35"	0.003
17/09/2029 00:00:00	♅	12°11'44" ♋	14°17'32"	-01°15'41"	-00°01'42"	16.688
17/09/2029 00:00:00	♁	02°21'22" ♋	16°23'17"	04°22'11"	00°06'42"	0.003
17/09/2029 00:00:00	T♄	01°01'43" ♋	-23°25'53"	00°00'00"	-00°01'35"	0.003
17/09/2029 00:00:00	T♁	08°09'09" ♋	07°49'19"	04°59'47"	03°08'27"	0.003
17/09/2029 00:00:00	X	26°24'21" ♋	00°56'41"	-09°54'00"	-00°00'30"	94.346
17/09/2029 00:00:00	Y	04°28'12" ♋	09°23'19"	-11°49'54"	-00°00'08"	81.761
18/09/2029 00:00:00	♁	25°22'28" ♋	01°50'16"	00°00'00"	00°58'32"	1.005
18/09/2029 00:00:00	♃	01°29'50" ♌	-17°19'42"	02°33'25"	12°53'28"	0.003
18/09/2029 00:00:00	♆	21°11'55" ♋	01°02'21"	-02°39'51"	-00°56'29"	0.660
18/09/2029 00:00:00	♀	08°37'09" ♍	-15°41'04"	-01°23'07"	01°08'07"	0.967
18/09/2029 00:00:00	♂	26°20'46" ♍	-20°26'06"	-01°08'00"	00°40'45"	1.640

Ephemerides year 2029

18/09/2029 00:00:00	♃	28°44'27" ♈	-10°03'20"	01°02'13"	00°11'53"	6.248
18/09/2029 00:00:00	♃	24°53'49" ♉	16°40'15"	-02°23'15"	-00°01'14"	8.594
18/09/2029 00:00:00	♃	18°32'21" ♊	22°57'37"	00°01'09"	00°00'17"	19.094
18/09/2029 00:00:00	♃	10°07'15" ♋	02°35'24"	-01°32'28"	-00°01'35"	28.885
18/09/2029 00:00:00	♃	08°17'18" ♌	-23°45'13"	-05°46'07"	-00°00'50"	35.682
18/09/2029 00:00:00	♃	00°59'00" ♍	-23°25'54"	00°00'00"	-00°03'58"	0.003
18/09/2029 00:00:00	♃	12°10'00" ♎	14°16'53"	-01°15'49"	-00°01'45"	16.675
18/09/2029 00:00:00	♃	02°28'05" ♏	16°25'11"	04°21'43"	00°06'42"	0.003
18/09/2029 00:00:00	♃	00°59'00" ♐	-23°25'54"	00°00'00"	-00°03'58"	0.003
18/09/2029 00:00:00	♃	11°50'51" ♑	09°13'29"	04°56'12"	04°10'20"	0.003
18/09/2029 00:00:00	X	26°23'50" ♒	00°56'30"	-09°54'02"	-00°00'30"	94.337
18/09/2029 00:00:00	Y	04°28'03" ♓	09°23'10"	-11°50'02"	-00°00'09"	81.744
19/09/2029 00:00:00	♃	26°21'01" ♈	01°27'02"	00°00'00"	00°58'34"	1.005
19/09/2029 00:00:00	♃	14°17'03" ♉	-13°14'13"	03°27'02"	12°41'15"	0.003
19/09/2029 00:00:00	♃	20°17'45" ♊	01°40'44"	-02°21'13"	-00°51'36"	0.671
19/09/2029 00:00:00	♃	09°45'13" ♋	-16°06'51"	-01°27'19"	01°08'00"	0.960
19/09/2029 00:00:00	♃	27°01'35" ♌	-20°36'03"	-01°08'27"	00°40'51"	1.645
19/09/2029 00:00:00	♃	28°56'22" ♍	-10°07'39"	01°02'06"	00°11'56"	6.256
19/09/2029 00:00:00	♃	24°52'31" ♎	16°39'45"	-02°23'27"	-00°01'21"	8.580

Ephemerides year 2029

19/09/2029 00:00:00	♃	18°32'37" ♀	22°57'39"	00°01'09"	00°00'14"	19.077
19/09/2029 00:00:00	♃	10°05'39" ♀	02°34'45"	-01°32'29"	-00°01'36"	28.881
19/09/2029 00:00:00	♃	08°16'29" ♀	-23°45'24"	0-05°46'04"	-00°00'49"	35.696
19/09/2029 00:00:00	♃	00°53'35" ♀	-23°25'57"	00°00'00"	-00°06'53"	0.003
19/09/2029 00:00:00	♃	12°08'14" ♀	14°16'12"	-01°15'57"	-00°01'47"	16.662
19/09/2029 00:00:00	♃	02°34'47" ♀	16°27'05"	04°21'15"	00°06'42"	0.003
19/09/2029 00:00:00	♃	00°53'35" ♀	-23°25'57"	00°00'00"	-00°06'53"	0.003
19/09/2029 00:00:00	♃	16°19'34" ♀	10°52'48"	04°50'10"	04°41'36"	0.003
19/09/2029 00:00:00	X	26°23'20" ♀	00°56'18"	-09°54'03"	-00°00'30"	94.329
19/09/2029 00:00:00	Y	04°27'53" ♀	09°23'00"	-11°50'10"	-00°00'10"	81.728
20/09/2029 00:00:00	♃	27°19'36" ♀	01°03'46"	00°00'00"	00°58'36"	1.004
20/09/2029 00:00:00	♃	26°52'54" ♀	-08°38'13"	04°09'34"	12°30'40"	0.003
20/09/2029 00:00:00	♃	19°29'09" ♀	02°17'38"	-02°01'47"	-00°45'23"	0.684
20/09/2029 00:00:00	♃	10°53'09" ♀	-16°32'18"	-01°31'31"	01°07'52"	0.952
20/09/2029 00:00:00	♃	27°42'29" ♀	-20°45'51"	-01°08'53"	00°40'57"	1.650
20/09/2029 00:00:00	♃	29°08'20" ♀	-10°12'00"	01°01'59"	00°11'59"	6.265
20/09/2029 00:00:00	♃	24°51'07" ♀	16°39'14"	-02°23'38"	-00°01'27"	8.566
20/09/2029 00:00:00	♃	18°32'50" ♀	22°57'41"	00°01'10"	00°00'11"	19.060
20/09/2029 00:00:00	♃	10°04'02" ♀	02°34'06"	-01°32'30"	-00°01'37"	28.877

Ephemerides year 2029

20/09/2029 00:00:00	♁	08°15'40" ♁r	-23°45'34" ♁	-05°46'01"	-00°00'47"	35.709
20/09/2029 00:00:00	♁	00°45'13" ♁r	-23°26'00"	00°00'00"	-00°09'48"	0.003
20/09/2029 00:00:00	♁	12°06'24" ♁r	14°15'31"	-01°16'05"	-00°01'50"	16.649
20/09/2029 00:00:00	♁	02°41'29" ♁	16°28'58"	04°20'46"	00°06'41"	0.003
20/09/2029 00:00:00	♁	00°45'13" ♁r	-23°26'00"	00°00'00"	-00°09'48"	0.003
20/09/2029 00:00:00	♁	21°02'58" ♁	12°33'43"	04°41'47"	04°39'49"	0.003
20/09/2029 00:00:00	X	26°22'49" ♁r	00°56'06"	-09°54'04"	-00°00'31"	94.320
20/09/2029 00:00:00	Y	04°27'42" ♁r	09°22'51"	-11°50'18"	-00°00'11"	81.712
21/09/2029 00:00:00	♁	28°18'13" ♁	00°40'28"	00°00'00"	00°58'37"	1.004
21/09/2029 00:00:00	♁	09°18'47" ♁	-03°45'21"	04°39'33"	12°21'16"	0.003
21/09/2029 00:00:00	♁	18°47'22" ♁r	02°52'17"	-01°41'53"	-00°37'59"	0.699
21/09/2029 00:00:00	♁	12°00'58" ♁	-16°57'24"	-01°35'42"	01°07'45"	0.945
21/09/2029 00:00:00	♁	28°23'30" ♁	-20°55'30"	-01°09'18"	00°41'03"	1.655
21/09/2029 00:00:00	♁	29°20'22" ♁	-10°16'20"	01°01'52"	00°12'02"	6.272
21/09/2029 00:00:00	♁	24°49'37" ♁r	16°38'42"	-02°23'49"	-00°01'33"	8.552
21/09/2029 00:00:00	♁	18°33'00" ♁	22°57'42"	00°01'11"	00°00'08"	19.044
21/09/2029 00:00:00	♁	10°02'25" ♁r	02°33'27"	-01°32'31"	-00°01'37"	28.874
21/09/2029 00:00:00	♁	08°14'53" ♁r	-23°45'44" ♁	-05°45'58"	-00°00'46"	35.723
21/09/2029 00:00:00	♁	00°34'07" ♁r	-23°26'03"	00°00'00"	-00°12'15"	0.003

Ephemerides year 2029

21/09/2029 00:00:00	♁	12°04'32" ♀	14°14'49"	-01°16'14"	-00°01'53"	16.636
21/09/2029 00:00:00	♁	02°48'11" ♀	16°30'51"	04°20'18"	00°06'41"	0.003
21/09/2029 00:00:00	♁	00°34'07" ♀	-23°26'03"	00°00'00"	-00°12'15"	0.003
21/09/2029 00:00:00	♁	25°29'34" ♀	14°04'26"	04°32'03"	04°09'19"	0.003
21/09/2029 00:00:00	X	26°22'17" ♀	00°55'54"	-09°54'05"	-00°00'31"	94.312
21/09/2029 00:00:00	Y	04°27'31" ♀	09°22'41"	-11°50'26"	-00°00'11"	81.696
22/09/2029 00:00:00	♁	29°16'52" ♀	00°17'09"	00°00'00"	00°58'39"	1.004
22/09/2029 00:00:00	♁	21°35'43" ♀	01°12'13"	04°56'04"	12°12'42"	0.003
22/09/2029 00:00:00	♁	18°13'29" ♀	03°23'59"	-01°21'49"	-00°29'36"	0.717
22/09/2029 00:00:00	♁	13°08'40" ♀	-17°22'07"	-01°39'54"	01°07'37"	0.938
22/09/2029 00:00:00	♁	29°04'37" ♀	-21°05'00"	-01°09'43"	00°41'09"	1.660
22/09/2029 00:00:00	♁	29°32'26" ♀	-10°20'42"	01°01'45"	00°12'05"	6.280
22/09/2029 00:00:00	♁	24°48'00" ♀	16°38'08"	-02°24'00"	-00°01'39"	8.539
22/09/2029 00:00:00	♁	18°33'07" ♀	22°57'44"	00°01'11"	00°00'05"	19.027
22/09/2029 00:00:00	♁	10°00'47" ♀	02°32'48"	-01°32'32"	-00°01'38"	28.871
22/09/2029 00:00:00	♁	08°14'07" ♀	-23°45'54"	-05°45'55"	-00°00'45"	35.737
22/09/2029 00:00:00	♁	00°21'01" ♀	-23°26'06"	00°00'00"	-00°13'47"	0.003
22/09/2029 00:00:00	♁	12°02'37" ♀	14°14'07"	-01°16'22"	-00°01'56"	16.624
22/09/2029 00:00:00	♁	02°54'52" ♀	16°32'44"	04°19'49"	00°06'41"	0.003

Ephemerides year 2029

22/09/2029 00:00:00	T♄	00°21'01" ♏	-23°26'06"	00°00'00"	-00°13'47"	0.003
22/09/2029 00:00:00	T♄	29°15'52" ♏	15°17'46"	04°22'21"	03°21'42"	0.003
22/09/2029 00:00:00	X	26°21'46" ♏	00°55'42"	-09°54'06"	-00°00'31"	94.304
22/09/2029 00:00:00	Y	04°27'19" ♏	09°22'31"	-11°50'34"	-00°00'12"	81.681
23/09/2029 00:00:00	☉	00°15'33" ♏	-00°06'10"	00°00'00"	00°58'41"	1.003
23/09/2029 00:00:00	☾	03°44'27" ♏	06°03'26"	04°58'54"	12°04'54"	0.003
23/09/2029 00:00:00	♁	17°48'23" ♏	03°52'07"	-01°01'53"	-00°20'28"	0.736
23/09/2029 00:00:00	♂	14°16'14" ♏	-17°46'29"	-01°44'05"	01°07'29"	0.930
23/09/2029 00:00:00	♂	29°45'50" ♏	-21°14'20"	-01°10'08"	00°41'15"	1.665
23/09/2029 00:00:00	♂	29°44'34" ♏	-10°25'04"	01°01'39"	00°12'08"	6.288
23/09/2029 00:00:00	♃	24°46'17" ♏	16°37'33"	-02°24'11"	-00°01'45"	8.525
23/09/2029 00:00:00	♃	18°33'10" ♏	22°57'45"	00°01'12"	00°00'02"	19.010
23/09/2029 00:00:00	♃	09°59'09" ♏	02°32'08"	-01°32'33"	-00°01'38"	28.868
23/09/2029 00:00:00	♃	08°13'22" ♏	-23°46'03"	-05°45'52"	-00°00'44"	35.751
23/09/2029 00:00:00	♃	00°06'55" ♏	-23°26'08"	00°00'00"	-00°14'11"	0.003
23/09/2029 00:00:00	♃	12°00'40" ♏	14°13'23"	-01°16'30"	-00°01'58"	16.612
23/09/2029 00:00:00	♃	03°01'34" ♏	16°34'36"	04°19'21"	00°06'41"	0.003
23/09/2029 00:00:00	T♄	00°06'55" ♏	-23°26'08"	00°00'00"	-00°14'11"	0.003
23/09/2029 00:00:00	T♄	02°12'36" ♏	16°12'27"	04°13'54"	02°32'49"	0.003



Ephemerides year 2029

23/09/2029 00:00:00	X	26°21'14" ♀	00°55'30"	-09°54'07"	-00°00'32"	94.297
23/09/2029 00:00:00	Y	04°27'06" ♀	09°22'22"	-11°50'42"	-00°00'13"	81.665
24/09/2029 00:00:00	☉	01°14'15" ♀	-00°29'31"	00°00'00"	00°58'43"	1.003
24/09/2029 00:00:00	☾	15°45'50" ♀	10°38'01"	04°48'19"	11°58'04"	0.003
24/09/2029 00:00:00	♁	17°32'42" ♀	04°16'12"	-00°42'22"	-00°10'48"	0.757
24/09/2029 00:00:00	♂	15°23'40" ♀	-18°10'27"	-01°48'15"	01°07'21"	0.923
24/09/2029 00:00:00	♂	00°27'09" ♀	-21°23'31"	-01°10'32"	00°41'21"	1.669
24/09/2029 00:00:00	♃	29°56'44" ♀	-10°29'26"	01°01'32"	00°12'11"	6.295
24/09/2029 00:00:00	♄	24°44'28" ♀	16°36'56"	-02°24'22"	-00°01'51"	8.512
24/09/2029 00:00:00	♅	18°33'11" ♀	22°57'45"	00°01'12"	-00°00'00"	18.993
24/09/2029 00:00:00	♆	09°57'30" ♀	02°31'29"	-01°32'34"	-00°01'38"	28.865
24/09/2029 00:00:00	♇	08°12'39" ♀	-23°46'11"	-05°45'49"	-00°00'42"	35.766
24/09/2029 00:00:00	♈	29°53'01" ♀	-23°26'08"	00°00'00"	-00°13'24"	0.003
24/09/2029 00:00:00	♉	11°58'40" ♀	14°12'39"	-01°16'38"	-00°02'01"	16.600
24/09/2029 00:00:00	♊	03°08'16" ♀	16°36'29"	04°18'52"	00°06'41"	0.003
24/09/2029 00:00:00	T♈	29°53'01" ♀	-23°26'08"	00°00'00"	-00°13'24"	0.003
24/09/2029 00:00:00	T♉	04°25'36" ♀	16°52'01"	04°07'04"	01°55'50"	0.003
24/09/2029 00:00:00	X	26°20'41" ♀	00°55'18"	-09°54'07"	-00°00'32"	94.290
24/09/2029 00:00:00	Y	04°26'52" ♀	09°22'12"	-11°50'49"	-00°00'13"	81.649

Ephemerides year 2029

25/09/2029 00:00:00	☉	02°13'00" ♉	-00°52'52"	00°00'00"	00°58'45"	1.003
25/09/2029 00:00:00	☾	27°41'04" ♊	14°46'08"	04°25'08"	11°52'40"	0.003
25/09/2029 00:00:00	♁	17°26'51" ♏	04°35'52"	-00°23'30"	-00°00'50"	0.780
25/09/2029 00:00:00	♂	16°30'58" ♎	-18°34'01"	-01°52'25"	01°07'13"	0.915
25/09/2029 00:00:00	♂	01°08'34" ♎	-21°32'32"	-01°10'56"	00°41'27"	1.674
25/09/2029 00:00:00	♃	00°08'58" ♎	-10°33'49"	01°01'26"	00°12'14"	6.302
25/09/2029 00:00:00	♄	24°42'33" ♏	16°36'18"	-02°24'33"	-00°01'57"	8.498
25/09/2029 00:00:00	♅	18°33'08" ♏	22°57'46"	00°01'13"	-00°00'04"	18.977
25/09/2029 00:00:00	♆	09°55'51" ♏	02°30'49"	-01°32'34"	-00°01'39"	28.863
25/09/2029 00:00:00	♇	08°11'57" ♏	-23°46'19"	0-05°45'45"	-00°00'41"	35.780
25/09/2029 00:00:00	♁	29°40'28" ♏	-23°26'06"	00°00'00"	-00°11'34"	0.002
25/09/2029 00:00:00	♂	11°56'37" ♏	14°11'54"	-01°16'46"	-00°02'03"	16.588
25/09/2029 00:00:00	♁	03°14'58" ♏	16°38'21"	04°18'23"	00°06'41"	0.003
25/09/2029 00:00:00	♁	29°40'28" ♏	-23°26'06"	00°00'00"	-00°11'34"	0.002
25/09/2029 00:00:00	♁	06°09'51" ♏	17°22'07"	04°01'31"	01°35'12"	0.003
25/09/2029 00:00:00	X	26°20'09" ♏	00°55'06"	-09°54'08"	-00°00'32"	94.283
25/09/2029 00:00:00	Y	04°26'38" ♏	09°22'02"	-11°50'57"	-00°00'14"	81.634
26/09/2029 00:00:00	☉	03°11'47" ♉	-01°16'14"	00°00'00"	00°58'47"	1.003
26/09/2029 00:00:00	☾	09°31'53" ♏	18°18'14"	03°50'31"	11°49'22"	0.003

Ephemerides year 2029

26/09/2029 00:00:00	♀	17°31'02" ♍	04°50'50"	-00°05'29"	00°09'12"	0.804
26/09/2029 00:00:00	♀	17°38'07" ♍	-18°57'12"	-01°56'33"	01°07'05"	0.907
26/09/2029 00:00:00	♂	01°50'04" ♏	-21°41'23"	-01°11'19"	00°41'33"	1.679
26/09/2029 00:00:00	♋	00°21'14" ♍	-10°38'12"	01°01'19"	00°12'17"	6.309
26/09/2029 00:00:00	♃	24°40'32" ♏	16°35'39"	-02°24'43"	-00°02'03"	8.485
26/09/2029 00:00:00	♃	18°33'03" ♏	22°57'46"	00°01'14"	-00°00'07"	18.960
26/09/2029 00:00:00	♃	09°54'12" ♏	02°30'10"	-01°32'35"	-00°01'39"	28.861
26/09/2029 00:00:00	♃	08°11'16" ♏	-23°46'26"	-05°45'42"	-00°00'39"	35.795
26/09/2029 00:00:00	♏	29°30'08" ♏	-23°26'04"	00°00'00"	-00°08'59"	0.002
26/09/2029 00:00:00	♏	11°54'32" ♏	14°11'08"	-01°16'54"	-00°02'06"	16.577
26/09/2029 00:00:00	♏	03°21'40" ♏	16°40'12"	04°17'53"	00°06'41"	0.003
26/09/2029 00:00:00	♏	29°30'08" ♏	-23°26'04"	00°00'00"	-00°08'59"	0.002
26/09/2029 00:00:00	♏	07°39'57" ♏	17°47'33"	03°56'41"	01°26'14"	0.003
26/09/2029 00:00:00	X	26°19'36" ♏	00°54'54"	-09°54'09"	-00°00'32"	94.276
26/09/2029 00:00:00	Y	04°26'23" ♏	09°21'52"	-11°51'05"	-00°00'15"	81.619
27/09/2029 00:00:00	♏	04°10'36" ♏	-01°39'35"	00°00'00"	00°58'50"	1.002
27/09/2029 00:00:00	♏	21°20'47" ♏	21°05'06"	03°05'59"	11°48'58"	0.003
27/09/2029 00:00:00	♀	17°45'14" ♍	05°00'56"	00°11'30"	00°19'09"	0.830
27/09/2029 00:00:00	♀	18°45'09" ♍	-19°19'57"	-02°00'41"	01°06'57"	0.900

Ephemerides year 2029

27/09/2029 00:00:00	♂	02°31'41" ♄	-21°50'04"	-01°11'41"	00°41'39"	1.684
27/09/2029 00:00:00	♃	00°33'33" ♃	-10°42'36"	01°01'13"	00°12'20"	6.316
27/09/2029 00:00:00	♃	24°38'25" ♄	16°34'58"	-02°24'53"	-00°02'09"	8.472
27/09/2029 00:00:00	♃	18°32'54" ♃	22°57'46"	00°01'14"	-00°00'10"	18.944
27/09/2029 00:00:00	♃	09°52'33" ♄	02°29'30"	-01°32'36"	-00°01'39"	28.860
27/09/2029 00:00:00	♃	08°10'37" ♃	-23°46'33"	-05°45'38"	-00°00'38"	35.810
27/09/2029 00:00:00	♃	29°22'34" ♄	-23°26'02"	00°00'00"	-00°06'07"	0.002
27/09/2029 00:00:00	♃	11°52'25" ♄	14°10'22"	-01°17'02"	-00°02'08"	16.565
27/09/2029 00:00:00	♃	03°28'22" ♄	16°42'04"	04°17'24"	00°06'41"	0.003
27/09/2029 00:00:00	♃	29°22'34" ♄	-23°26'02"	00°00'00"	-00°06'07"	0.002
27/09/2029 00:00:00	♃	09°03'15" ♄	18°10'35"	03°52'14"	01°20'01"	0.003
27/09/2029 00:00:00	X	26°19'03" ♄	00°54'42"	-09°54'09"	-00°00'33"	94.269
27/09/2029 00:00:00	Y	04°26'08" ♃	09°21'42"	-11°51'12"	-00°00'15"	81.603
28/09/2029 00:00:00	♃	05°09'27" ♃	-02°02'56"	00°00'00"	00°58'52"	1.002
28/09/2029 00:00:00	♃	03°11'04" ♃	22°58'08"	02°13'14"	11°52'16"	0.003
28/09/2029 00:00:00	♃	18°09'15" ♃	05°06'08"	00°27'20"	00°28'49"	0.856
28/09/2029 00:00:00	♀	19°52'01" ♃	-19°42'17"	-02°04'47"	01°06'48"	0.892
28/09/2029 00:00:00	♂	03°13'24" ♄	-21°58'35"	-01°12'03"	00°41'45"	1.689
28/09/2029 00:00:00	♃	00°45'55" ♃	-10°47'00"	01°01'07"	00°12'23"	6.322

Ephemerides year 2029

28/09/2029 00:00:00	♃	24°36'13" ♀	16°34'17"	-02°25'04"	-00°02'15"	8.460
28/09/2029 00:00:00	♃	18°32'42" ♀	22°57'45"	00°01'15"	-00°00'13"	18.927
28/09/2029 00:00:00	♃	09°50'53" ♀	02°28'50"	-01°32'36"	-00°01'39"	28.859
28/09/2029 00:00:00	♃	08°10'00" ♀	-23°46'40"	o-05°45'34"	-00°00'36"	35.825
28/09/2029 00:00:00	♃	29°17'51" ♀	-23°26'01"	00°00'00"	-00°03'23"	0.002
28/09/2029 00:00:00	♃	11°50'15" ♀	14°09'34"	-01°17'10"	-00°02'11"	16.554
28/09/2029 00:00:00	♃	03°35'04" ♀	16°43'55"	04°16'55"	00°06'41"	0.003
28/09/2029 00:00:00	T♃	29°17'51" ♀	-23°26'01"	00°00'00"	-00°03'23"	0.002
28/09/2029 00:00:00	T♃	10°18'02" ♀	18°30'51"	03°48'13"	01°08'01"	0.003
28/09/2029 00:00:00	X	26°18'30" ♀	00°54'30"	-09°54'09"	-00°00'33"	94.263
28/09/2029 00:00:00	Y	04°25'52" ♀	09°21'31"	-11°51'20"	-00°00'16"	81.588
29/09/2029 00:00:00	♃	06°08'21" ♀	-02°26'15"	00°00'00"	00°58'54"	1.002
29/09/2029 00:00:00	♃	15°06'48" ♀	23°49'57"	o 01°14'08"	12°00'00"	0.003
29/09/2029 00:00:00	♃	18°42'45" ♀	05°06'27"	00°41'55"	00°38'04"	0.884
29/09/2029 00:00:00	♃	20°58'46" ♀	-20°04'11"	-02°08'52"	01°06'39"	0.885
29/09/2029 00:00:00	♃	03°55'13" ♀	-22°06'55"	-01°12'25"	00°41'51"	1.694
29/09/2029 00:00:00	♃	00°58'19" ♀	-10°51'24"	01°01'01"	00°12'25"	6.329
29/09/2029 00:00:00	♃	24°33'54" ♀	16°33'34"	-02°25'14"	-00°02'21"	8.447
29/09/2029 00:00:00	♃	18°32'28" ♀	22°57'45"	00°01'16"	-00°00'16"	18.911

Ephemerides year 2029

29/09/2029 00:00:00	♁	09°49'13" ♀	02°28'11"	-01°32'37"	-00°01'39"	28.858
29/09/2029 00:00:00	♁	08°09'24" ♀	-23°46'46"	o-05°45'31"	-00°00'35"	35.840
29/09/2029 00:00:00	♁	29°15'35" ♀	-23°26'00"	00°00'00"	-00°01'15"	0.002
29/09/2029 00:00:00	♁	11°48'03" ♀	14°08'47"	-01°17'17"	-00°02'13"	16.544
29/09/2029 00:00:00	♁	03°41'46" ♀	16°45'46"	04°16'25"	00°06'41"	0.003
29/09/2029 00:00:00	♁	29°15'35" ♀	-23°26'00"	00°00'00"	-00°01'15"	0.002
29/09/2029 00:00:00	♁	11°15'26" ♀	18°46'09"	03°45'09"	00°44'34"	0.003
29/09/2029 00:00:00	X	26°17'56" ♀	00°54'18"	-09°54'10"	-00°00'33"	94.257
29/09/2029 00:00:00	Y	04°25'35" ♀	09°21'21"	-11°51'27"	-00°00'17"	81.574
30/09/2029 00:00:00	♁	07°07'17" ♀	-02°49'34"	-00°00'00"	00°58'56"	1.002
30/09/2029 00:00:00	♁	27°12'45" ♀	23°35'09"	o 00°10'47"	12°12'45"	0.003
30/09/2029 00:00:00	♁	19°25'14" ♀	05°02'00"	00°55'11"	00°46'48"	0.912
30/09/2029 00:00:00	♁	22°05'21" ♀	-20°25'38"	-02°12'55"	01°06'30"	0.877
30/09/2029 00:00:00	♁	04°37'07" ♀	-22°15'04"	-01°12'46"	00°41'57"	1.699
30/09/2029 00:00:00	♁	01°10'46" ♀	-10°55'49"	01°00'55"	00°12'28"	6.335
30/09/2029 00:00:00	♁	24°31'29" ♀	16°32'49"	-02°25'23"	-00°02'27"	8.435
30/09/2029 00:00:00	♁	18°32'10" ♀	22°57'44"	00°01'16"	-00°00'19"	18.895
30/09/2029 00:00:00	♁	09°47'33" ♀	02°27'31"	-01°32'38"	-00°01'39"	28.857
30/09/2029 00:00:00	♁	08°08'49" ♀	-23°46'51"	o-05°45'27"	-00°00'33"	35.855

Ephemerides year 2029

30/09/2029 00:00:00	♏	29°15'00"	♄	-23°26'00"	00°00'00"	-00°00'05"	0.002
30/09/2029 00:00:00	♋	11°45'49"	♄	14°07'58"	-01°17'25"	-00°02'15"	16.533
30/09/2029 00:00:00	♌	03°48'28"	♄	16°47'36"	04°15'56"	00°06'41"	0.003
30/09/2029 00:00:00	T♏	29°15'00"	♄	-23°26'00"	00°00'00"	-00°00'05"	0.002
30/09/2029 00:00:00	T♌	11°42'33"	♄	18°53'21"	03°43'45"	00°07'23"	0.003
30/09/2029 00:00:00	X	26°17'23"	♄	00°54'06"	-09°54'10"	-00°00'33"	94.251
30/09/2029 00:00:00	Y	04°25'18"	♄	09°21'11"	-11°51'34"	-00°00'17"	81.559
01/10/2029 00:00:00	♏	08°06'15"	♄	-03°12'51"	-00°00'00"	00°58'59"	1.001
01/10/2029 00:00:00	♄	09°34'06"	♄	22°11'09"	-00°54'24"	12°30'47"	0.003
01/10/2029 00:00:00	♌	20°16'09"	♄	04°52'57"	01°07'05"	00°54'54"	0.940
01/10/2029 00:00:00	♌	23°11'47"	♄	-20°46'37"	-02°16'56"	01°06'21"	0.870
01/10/2029 00:00:00	♄	05°19'08"	♄	-22°23'03"	-01°13'07"	00°42'03"	1.703
01/10/2029 00:00:00	♄	01°23'16"	♄	-11°00'14"	01°00'49"	00°12'30"	6.341
01/10/2029 00:00:00	♄	24°28'59"	♄	16°32'04"	-02°25'33"	-00°02'33"	8.423
01/10/2029 00:00:00	♄	18°31'49"	♄	22°57'42"	00°01'17"	-00°00'22"	18.879
01/10/2029 00:00:00	♄	09°45'53"	♄	02°26'51"	-01°32'38"	-00°01'40"	28.857
01/10/2029 00:00:00	♄	08°08'16"	♄	-23°46'56"	o-05°45'23"	-00°00'32"	35.871
01/10/2029 00:00:00	♏	29°15'02"	♄	-23°26'00"	00°00'00"	-00°00'03"	0.002
01/10/2029 00:00:00	♋	11°43'32"	♄	14°07'09"	-01°17'33"	-00°02'17"	16.523

Ephemerides year 2029

01/10/2029 00:00:00	☾	03°55'10"	♏	16°49'27"	04°15'26"	00°06'41"	0.003
01/10/2029 00:00:00	♁	29°15'02"	♏	-23°26'00"	00°00'00"	-00°00'03"	0.002
01/10/2029 00:00:00	♁	11°26'09"	♏	18°49'11"	03°44'48"	-00°41'47"	0.003
01/10/2029 00:00:00	X	26°16'49"	♏	00°53'54"	-09°54'10"	-00°00'34"	94.246
01/10/2029 00:00:00	Y	04°25'00"	♁	09°21'01"	-11°51'41"	-00°00'18"	81.544
02/10/2029 00:00:00	☉	09°05'15"	♈	-03°36'05"	-00°00'00"	00°59'01"	1.001
02/10/2029 00:00:00	☾	22°16'04"	♈	19°38'33"	-01°58'44"	12°53'56"	0.003
02/10/2029 00:00:00	♀	21°14'51"	♏	04°39'31"	01°17'38"	01°02'20"	0.968
02/10/2029 00:00:00	♀	24°18'04"	♏	-21°07'09"	-02°20'55"	01°06'11"	0.862
02/10/2029 00:00:00	♂	06°01'14"	♏	-22°30'51"	-01°13'27"	00°42'09"	1.708
02/10/2029 00:00:00	♃	01°35'48"	♏	-11°04'39"	01°00'44"	00°12'33"	6.347
02/10/2029 00:00:00	♃	24°26'23"	♏	16°31'17"	-02°25'42"	-00°02'38"	8.411
02/10/2029 00:00:00	♃	18°31'25"	♁	22°57'41"	00°01'18"	-00°00'25"	18.863
02/10/2029 00:00:00	♃	09°44'13"	♏	02°26'12"	-01°32'38"	-00°01'40"	28.856
02/10/2029 00:00:00	♃	08°07'44"	♁	-23°47'01"	-05°45'19"	-00°00'30"	35.886
02/10/2029 00:00:00	♁	29°14'30"	♏	-23°26'00"	00°00'00"	-00°01'10"	0.002
02/10/2029 00:00:00	♃	11°41'13"	♏	14°06'19"	-01°17'40"	-00°02'20"	16.513
02/10/2029 00:00:00	☾	04°01'52"	♏	16°51'17"	04°14'56"	00°06'41"	0.003
02/10/2029 00:00:00	♁	29°14'30"	♏	-23°26'00"	00°00'00"	-00°01'10"	0.002



Ephemerides year 2029

02/10/2029 00:00:00	T♄	10°17'13" ♉	18°31'02"	03°48'41"	-01°36'02"	0.003
02/10/2029 00:00:00	X	26°16'15" ♉	00°53'42"	-09°54'10"	-00°00'34"	94.241
02/10/2029 00:00:00	Y	04°24'41" ♉	09°20'51"	-11°51'49"	-00°00'18"	81.530
03/10/2029 00:00:00	☉	10°04'18" ♉	-03°59'18"	-00°00'00"	00°59'03"	1.001
03/10/2029 00:00:00	☾	05°23'23" ♋	16°01'30"	-02°58'55"	13°21'19"	0.003
03/10/2029 00:00:00	♀	22°20'37" ♋	04°22'00"	01°26'49"	01°09'04"	0.997
03/10/2029 00:00:00	♀	25°24'11" ♋	-21°27'13"	-02°24'52"	01°06'02"	0.855
03/10/2029 00:00:00	♂	06°43'26" ♋	-22°38'27"	-01°13'47"	00°42'14"	1.713
03/10/2029 00:00:00	♃	01°48'22" ♋	-11°09'04"	01°00'38"	00°12'35"	6.352
03/10/2029 00:00:00	♅	24°23'42" ♉	16°30'29"	-02°25'52"	-00°02'44"	8.399
03/10/2029 00:00:00	♁	18°30'58" ♉	22°57'39"	00°01'18"	-00°00'28"	18.847
03/10/2029 00:00:00	♃	09°42'33" ♉	02°25'32"	-01°32'39"	-00°01'40"	28.857
03/10/2029 00:00:00	♁	08°07'14" ♋	-23°47'05"	-05°45'15"	-00°00'29"	35.902
03/10/2029 00:00:00	♁	29°12'22" ♋	-23°25'59"	00°00'00"	-00°03'14"	0.002
03/10/2029 00:00:00	♁	11°38'52" ♉	14°05'29"	-01°17'48"	-00°02'22"	16.503
03/10/2029 00:00:00	♁	04°08'34" ♉	16°53'07"	04°14'26"	00°06'41"	0.003
03/10/2029 00:00:00	T♁	29°12'22" ♋	-23°25'59"	00°00'00"	-00°03'14"	0.002
03/10/2029 00:00:00	T♄	08°16'27" ♉	17°58'06"	03°55'09"	-02°23'07"	0.003
03/10/2029 00:00:00	X	26°15'40" ♉	00°53'30"	-09°54'10"	-00°00'34"	94.236

Ephemerides year 2029

03/10/2029 00:00:00	Y	04°24'22" ♀	09°20'41"	-11°51'56"	-00°00'19"	81.516
04/10/2029 00:00:00	☉	11°03'23" ♄	-04°22'28"	-00°00'00"	00°59'06"	1.000
04/10/2029 00:00:00	☾	18°59'34" ♃	11°27'40"	-03°51'14"	13°51'15"	0.003
04/10/2029 00:00:00	♀	23°32'45" ♄	04°00'41"	01°34'41"	01°15'04"	1.025
04/10/2029 00:00:00	♀	26°30'08" ♄	-21°46'48"	-02°28'46"	01°05'52"	0.847
04/10/2029 00:00:00	♂	07°25'44" ♄	-22°45'52"	-01°14'06"	00°42'20"	1.718
04/10/2029 00:00:00	♃	02°00'59" ♄	-11°13'30"	01°00'33"	00°12'37"	6.358
04/10/2029 00:00:00	♃	24°20'55" ♃	16°29'40"	-02°26'01"	-00°02'49"	8.388
04/10/2029 00:00:00	♃	18°30'27" ♀	22°57'37"	00°01'19"	-00°00'31"	18.831
04/10/2029 00:00:00	♃	09°40'53" ♃	02°24'53"	-01°32'39"	-00°01'40"	28.857
04/10/2029 00:00:00	♃	08°06'46" ♃	-23°47'08"	0°05'10"	-00°00'27"	35.918
04/10/2029 00:00:00	♃	29°07'52" ♃	-23°25'57"	00°00'00"	-00°05'48"	0.002
04/10/2029 00:00:00	♃	11°36'28" ♃	14°04'38"	-01°17'55"	-00°02'24"	16.493
04/10/2029 00:00:00	♃	04°15'16" ♃	16°54'56"	04°13'56"	00°06'41"	0.003
04/10/2029 00:00:00	T♃	29°07'52" ♃	-23°25'57"	00°00'00"	-00°05'48"	0.002
04/10/2029 00:00:00	T♃	05°38'00" ♃	17°12'53"	04°03'05"	-02°49'24"	0.003
04/10/2029 00:00:00	X	26°15'06" ♃	00°53'18"	-09°54'09"	-00°00'34"	94.231
04/10/2029 00:00:00	Y	04°24'02" ♀	09°20'30"	-11°52'03"	-00°00'20"	81.502
05/10/2029 00:00:00	☉	12°02'30" ♄	-04°45'34"	-00°00'00"	00°59'08"	1.000

Ephemerides year 2029

05/10/2029 00:00:00	♃	03°05'51" ♉	06°08'32"	-04°31'32"	14°21'02"	0.002
05/10/2029 00:00:00	♆	24°50'32" ♉	03°35'54"	01°41'16"	01°20'21"	1.052
05/10/2029 00:00:00	♀	27°35'55" ♉	-22°05'53"	-02°32'38"	01°05'41"	0.839
05/10/2029 00:00:00	♂	08°08'07" ♉	-22°53'05"	-01°14'24"	00°42'26"	1.722
05/10/2029 00:00:00	♃	02°13'38" ♉	-11°17'55"	01°00'27"	00°12'39"	6.363
05/10/2029 00:00:00	♄	24°18'02" ♉	16°28'50"	-02°26'10"	-00°02'55"	8.377
05/10/2029 00:00:00	♅	18°29'54" ♉	22°57'35"	00°01'19"	-00°00'34"	18.815
05/10/2029 00:00:00	♆	09°39'12" ♉	02°24'13"	-01°32'39"	-00°01'40"	28.858
05/10/2029 00:00:00	♁	08°06'18" ♉	-23°47'12"	-05°45'06"	-00°00'26"	35.934
05/10/2029 00:00:00	♁	29°00'46" ♉	-23°25'54"	00°00'00"	-00°08'19"	0.002
05/10/2029 00:00:00	♂	11°34'03" ♉	14°03'46"	-01°18'03"	-00°02'26"	16.484
05/10/2029 00:00:00	♁	04°21'57" ♉	16°56'45"	04°13'25"	00°06'41"	0.003
05/10/2029 00:00:00	♁	29°00'46" ♉	-23°25'54"	00°00'00"	-00°08'19"	0.002
05/10/2029 00:00:00	♁	02°46'52" ♉	16°21'43"	04°11'02"	-02°48'29"	0.003
05/10/2029 00:00:00	X	26°14'31" ♉	00°53'06"	-09°54'09"	-00°00'34"	94.227
05/10/2029 00:00:00	Y	04°23'41" ♉	09°20'20"	-11°52'09"	-00°00'21"	81.488
06/10/2029 00:00:00	♁	13°01'39" ♉	-05°08'37"	-00°00'00"	00°59'10"	1.000
06/10/2029 00:00:00	♃	17°40'28" ♉	00°19'44"	-04°55'46"	14°47'16"	0.002
06/10/2029 00:00:00	♆	26°13'15" ♉	03°07'59"	01°46'37"	01°24'57"	1.079

Ephemerides year 2029

06/10/2029 00:00:00	♀	28°41'32" ♍	-22°24'28"	-02°36'27"	01°05'31"	0.832
06/10/2029 00:00:00	♂	08°50'36" ♈	-23°00'06"	-01°14'42"	00°42'31"	1.727
06/10/2029 00:00:00	♃	02°26'19" ♍	-11°22'21"	01°00'22"	00°12'41"	6.368
06/10/2029 00:00:00	♅	24°15'04" ♄	16°27'58"	-02°26'18"	-00°03'00"	8.366
06/10/2029 00:00:00	♁	18°29'17" ♄	22°57'33"	00°01'20"	-00°00'38"	18.800
06/10/2029 00:00:00	♃	09°37'32" ♄	02°23'34"	-01°32'39"	-00°01'40"	28.859
06/10/2029 00:00:00	♁	08°05'53" ♁	-23°47'14"	o-05°45'02"	-00°00'24"	35.950
06/10/2029 00:00:00	♄	28°51'26" ♈	-23°25'50"	00°00'00"	-00°10'12"	0.002
06/10/2029 00:00:00	♃	11°31'35" ♄	14°02'54"	-01°18'10"	-00°02'28"	16.475
06/10/2029 00:00:00	♁	04°28'39" ♄	16°58'34"	04°12'55"	00°06'41"	0.003
06/10/2029 00:00:00	T♄	28°51'26" ♈	-23°25'50"	00°00'00"	-00°10'12"	0.002
06/10/2029 00:00:00	T♁	00°07'55" ♄	15°32'09"	04°17'50"	-02°27'12"	0.003
06/10/2029 00:00:00	X	26°13'56" ♄	00°52'54"	-09°54'08"	-00°00'35"	94.223
06/10/2029 00:00:00	Y	04°23'20" ♄	09°20'10"	-11°52'16"	-00°00'21"	81.474
07/10/2029 00:00:00	☉	14°00'51" ♈	-05°31'37"	-00°00'00"	00°59'12"	1.000
07/10/2029 00:00:00	☾	02°38'00" ♈	-05°38'40"	-05°00'42"	15°06'18"	0.002
07/10/2029 00:00:00	♃	27°40'14" ♍	02°37'15"	01°50'49"	01°28'54"	1.105
07/10/2029 00:00:00	♀	29°46'57" ♍	-22°42'32"	-02°40'13"	01°05'20"	0.824
07/10/2029 00:00:00	♂	09°33'11" ♈	-23°06'56"	-01°15'00"	00°42'37"	1.732

Ephemerides year 2029

07/10/2029 00:00:00	♃	02°39'01" ♎	-11°26'46"	01°00'17"	00°12'43"	6.372
07/10/2029 00:00:00	♅	24°12'00" ♉	16°27'06"	-02°26'27"	-00°03'06"	8.355
07/10/2029 00:00:00	♁	18°28'38" ♈	22°57'30"	00°01'21"	-00°00'41"	18.784
07/10/2029 00:00:00	♆	09°35'52" ♋	02°22'54"	-01°32'40"	-00°01'40"	28.861
07/10/2029 00:00:00	♁	08°05'29" ♈	-23°47'16"	o-05°44'57"	-00°00'23"	35.967
07/10/2029 00:00:00	♁	28°40'43" ♈	-23°25'44"	00°00'00"	-00°10'59"	0.002
07/10/2029 00:00:00	♆	11°29'06" ♋	14°02'01"	-01°18'17"	-00°02'30"	16.467
07/10/2029 00:00:00	♁	04°35'21" ♈	17°00'23"	04°12'24"	00°06'41"	0.003
07/10/2029 00:00:00	T♁	28°40'43" ♈	-23°25'44"	00°00'00"	-00°10'59"	0.002
07/10/2029 00:00:00	T♆	27°53'50" ♋	14°49'00"	04°23'13"	-02°01'42"	0.003
07/10/2029 00:00:00	X	26°13'21" ♋	00°52'43"	-09°54'08"	-00°00'35"	94.219
07/10/2029 00:00:00	Y	04°22'58" ♈	09°19'59"	-11°52'23"	-00°00'22"	81.461
08/10/2029 00:00:00	♁	15°00'04" ♈	-05°54'32"	-00°00'00"	00°59'14"	0.999
08/10/2029 00:00:00	♁	17°49'43" ♈	-11°22'33"	-04°44'41"	15°15'19"	0.002
08/10/2029 00:00:00	♁	29°10'52" ♈	02°04'03"	01°53'55"	01°32'14"	1.130
08/10/2029 00:00:00	♁	00°52'12" ♈	-23°00'05"	-02°43'56"	01°05'09"	0.816
08/10/2029 00:00:00	♁	10°15'51" ♈	-23°13'33"	-01°15'17"	00°42'43"	1.736
08/10/2029 00:00:00	♃	02°51'46" ♎	-11°31'12"	01°00'12"	00°12'45"	6.377
08/10/2029 00:00:00	♅	24°08'52" ♉	16°26'12"	-02°26'35"	-00°03'11"	8.344

Ephemerides year 2029

08/10/2029 00:00:00	♃	18°27'55" ♀r	22°57'27"	00°01'21"	-00°00'44"	18.769
08/10/2029 00:00:00	♃	09°34'12" ♀r	02°22'15"	-01°32'40"	-00°01'39"	28.862
08/10/2029 00:00:00	♃	08°05'06" ♀r	-23°47'18"	o-05°44'53"	-00°00'21"	35.983
08/10/2029 00:00:00	♃	28°29'54" ♀r	-23°25'37"	00°00'00"	-00°10'25"	0.002
08/10/2029 00:00:00	♃	11°26'34" ♀r	14°01'08"	-01°18'25"	-00°02'32"	16.458
08/10/2029 00:00:00	♃	04°42'03" ♀r	17°02'11"	04°11'54"	00°06'41"	0.003
08/10/2029 00:00:00	♃	28°29'54" ♀r	-23°25'37"	00°00'00"	-00°10'25"	0.002
08/10/2029 00:00:00	♃	26°00'37" ♀r	14°11'47"	04°27'39"	-01°47'31"	0.003
08/10/2029 00:00:00	X	26°12'45" ♀r	00°52'31"	-09°54'07"	-00°00'35"	94.216
08/10/2029 00:00:00	Y	04°22'35" ♀r	09°19'49"	-11°52'30"	-00°00'22"	81.447
09/10/2029 00:00:00	♃	15°59'20" ♀r	-06°17'22"	-00°00'00"	00°59'16"	0.999
09/10/2029 00:00:00	♃	03°04'52" ♀r	-16°25'29"	-04°08'23"	15°13'06"	0.002
09/10/2029 00:00:00	♃	00°44'33" ♀r	01°28'43"	01°56'00"	01°35'01"	1.154
09/10/2029 00:00:00	♃	01°57'16" ♀r	-23°17'07"	-02°47'35"	01°04'57"	0.809
09/10/2029 00:00:00	♃	10°58'37" ♀r	-23°19'58"	-01°15'34"	00°42'48"	1.741
09/10/2029 00:00:00	♃	03°04'33" ♀r	-11°35'38"	01°00'07"	00°12'47"	6.381
09/10/2029 00:00:00	♃	24°05'38" ♀r	16°25'17"	-02°26'43"	-00°03'16"	8.334
09/10/2029 00:00:00	♃	18°27'10" ♀r	22°57'23"	00°01'22"	-00°00'46"	18.754
09/10/2029 00:00:00	♃	09°32'32" ♀r	02°21'36"	-01°32'40"	-00°01'39"	28.864

Ephemerides year 2029

09/10/2029 00:00:00	♁	08°04'45" ♁r	-23°47'19"	♁-05°44'48"	-00°00'19"	36.000
09/10/2029 00:00:00	♁	28°20'16" ♁r	-23°25'30"	00°00'00"	-00°08'39"	0.002
09/10/2029 00:00:00	♁	11°24'01" ♁r	14°00'14"	-01°18'32"	-00°02'34"	16.450
09/10/2029 00:00:00	♁	04°48'44" ♁	17°03'59"	04°11'23"	00°06'41"	0.003
09/10/2029 00:00:00	♁	28°20'16" ♁r	-23°25'30"	00°00'00"	-00°08'39"	0.002
09/10/2029 00:00:00	♁	24°12'36" ♁r	13°35'46"	04°31'54"	-01°51'31"	0.003
09/10/2029 00:00:00	X	26°12'10" ♁r	00°52'19"	-09°54'06"	-00°00'35"	94.213
09/10/2029 00:00:00	Y	04°22'12" ♁r	09°19'39"	-11°52'36"	-00°00'23"	81.434
10/10/2029 00:00:00	♁	16°58'38" ♁	-06°40'08"	-00°00'00"	00°59'18"	0.999
10/10/2029 00:00:00	♁	18°12'30" ♁	-20°21'59"	-03°14'50"	15°00'36"	0.002
10/10/2029 00:00:00	♁	02°20'45" ♁	00°51'31"	01°57'08"	01°37'18"	1.178
10/10/2029 00:00:00	♁	03°02'07" ♁	-23°33'36"	♁-02°51'11"	01°04'45"	0.801
10/10/2029 00:00:00	♁	11°41'29" ♁	-23°26'10"	♁-01°15'50"	00°42'54"	1.745
10/10/2029 00:00:00	♁	03°17'22" ♁	-11°40'03"	01°00'02"	00°12'49"	6.386
10/10/2029 00:00:00	♁	24°02'19" ♁r	16°24'21"	-02°26'51"	-00°03'21"	8.324
10/10/2029 00:00:00	♁	18°26'21" ♁r	22°57'20"	00°01'23"	-00°00'49"	18.738
10/10/2029 00:00:00	♁	09°30'53" ♁r	02°20'57"	-01°32'39"	-00°01'39"	28.867
10/10/2029 00:00:00	♁	08°04'26" ♁r	-23°47'20"	♁-05°44'44"	-00°00'18"	36.016
10/10/2029 00:00:00	♁	28°12'50" ♁r	-23°25'24"	00°00'00"	-00°06'06"	0.002

Ephemerides year 2029

10/10/2029 00:00:00	♄	11°21'26" ♂r	13°59'19"	-01°18'39"	-00°02'35"	16.442
10/10/2029 00:00:00	♁	04°55'26" ♂	17°05'46"	04°10'52"	00°06'41"	0.003
10/10/2029 00:00:00	♄♁	28°12'50" ♂r	-23°25'24"	00°00'00"	-00°06'06"	0.002
10/10/2029 00:00:00	♄♁	22°12'59" ♀r	12°55'20"	04°36'34"	-02°08'54"	0.003
10/10/2029 00:00:00	X	26°11'34" ♀r	00°52'08"	-09°54'05"	-00°00'35"	94.210
10/10/2029 00:00:00	Y	04°21'49" ♀r	09°19'28"	-11°52'42"	-00°00'23"	81.421
11/10/2029 00:00:00	♁	17°57'57" ♀	-07°02'48"	-00°00'00"	00°59'20"	0.998
11/10/2029 00:00:00	♃	03°03'30" ♂	-22°52'19"	-02°08'48"	14°40'23"	0.002
11/10/2029 00:00:00	♁	03°59'01" ♀	00°12'45"	01°57'23"	01°39'08"	1.200
11/10/2029 00:00:00	♁	04°06'47" ♂	-23°49'34"	♁-02°54'44"	01°04'32"	0.794
11/10/2029 00:00:00	♁	12°24'25" ♂	-23°32'10"	♁-01°16'05"	00°42'59"	1.750
11/10/2029 00:00:00	♁	03°30'12" ♀	-11°44'29"	00°59'58"	00°12'51"	6.389
11/10/2029 00:00:00	♁	23°58'56" ♂r	16°23'24"	-02°26'58"	-00°03'26"	8.314
11/10/2029 00:00:00	♁	18°25'30" ♀r	22°57'16"	00°01'23"	-00°00'52"	18.724
11/10/2029 00:00:00	♁	09°29'14" ♀r	02°20'18"	-01°32'39"	-00°01'38"	28.869
11/10/2029 00:00:00	♁	08°04'09" ♀r	-23°47'20"	♁-05°44'39"	-00°00'16"	36.033
11/10/2029 00:00:00	♁	28°08'07" ♂r	-23°25'20"	00°00'00"	-00°03'22"	0.002
11/10/2029 00:00:00	♄	11°18'50" ♂r	13°58'25"	-01°18'46"	-00°02'37"	16.434
11/10/2029 00:00:00	♁	05°02'08" ♂	17°07'34"	04°10'21"	00°06'41"	0.003



Ephemerides year 2029

11/10/2029 00:00:00	T♄	28°08'07" ♏	-23°25'20"	00°00'00"	-00°03'22"	0.002
11/10/2029 00:00:00	T♄	19°55'22" ♏	12°07'56"	04°41'42"	-02°24'24"	0.003
11/10/2029 00:00:00	X	26°10'59" ♏	00°51'56"	-09°54'04"	-00°00'35"	94.208
11/10/2029 00:00:00	Y	04°21'24" ♏	09°19'18"	-11°52'49"	-00°00'24"	81.408
12/10/2029 00:00:00	♁	18°57'19" ♏	-07°25'22"	-00°00'00"	00°59'22"	0.998
12/10/2029 00:00:00	♁	17°31'49" ♏	-23°46'40"	o-00°55'52"	14°15'46"	0.002
12/10/2029 00:00:00	♁	05°38'55" ♏	-00°27'18"	01°56'51"	01°40'34"	1.221
12/10/2029 00:00:00	♁	05°11'13" ♏	-24°04'58"	o-02°58'12"	01°04'19"	0.786
12/10/2029 00:00:00	♁	13°07'28" ♏	-23°37'57"	o-01°16'20"	00°43'04"	1.755
12/10/2029 00:00:00	♁	03°43'04" ♏	-11°48'54"	00°59'53"	00°12'52"	6.393
12/10/2029 00:00:00	♁	23°55'27" ♏	16°22'27"	-02°27'05"	-00°03'30"	8.305
12/10/2029 00:00:00	♁	18°24'36" ♏	22°57'12"	00°01'24"	-00°00'55"	18.709
12/10/2029 00:00:00	♁	09°27'36" ♏	02°19'40"	-01°32'39"	-00°01'38"	28.872
12/10/2029 00:00:00	♁	08°03'53" ♏	-23°47'20"	o-05°44'34"	-00°00'14"	36.050
12/10/2029 00:00:00	♁	28°05'56" ♏	-23°25'18"	00°00'00"	-00°01'05"	0.002
12/10/2029 00:00:00	♁	11°16'12" ♏	13°57'29"	-01°18'53"	-00°02'38"	16.427
12/10/2029 00:00:00	♁	05°08'50" ♏	17°09'21"	04°09'50"	00°06'41"	0.003
12/10/2029 00:00:00	T♄	28°05'56" ♏	-23°25'18"	00°00'00"	-00°01'05"	0.002
12/10/2029 00:00:00	T♄	17°31'06" ♏	11°17'12"	04°46'39"	-02°19'23"	0.003

Ephemerides year 2029

12/10/2029 00:00:00	X	26°10'23" ♄	00°51'45"	-09°54'03"	-00°00'35"	94.205
12/10/2029 00:00:00	Y	04°21'00" ♀	09°19'07"	-11°52'55"	-00°00'24"	81.396
13/10/2029 00:00:00	☉	19°56'42" ♌	-07°47'50"	-00°00'00"	00°59'24"	0.998
13/10/2029 00:00:00	☾	01°34'40" ♎	-23°07'01"	00°18'32"	13°49'57"	0.002
13/10/2029 00:00:00	♀	07°20'04" ♌	-01°08'26"	01°55'34"	01°41'40"	1.241
13/10/2029 00:00:00	♀	06°15'26" ♋	-24°19'48"	o-03°01'36"	01°04'06"	0.778
13/10/2029 00:00:00	♂	13°50'35" ♋	-23°43'30"	o-01°16'35"	00°43'09"	1.759
13/10/2029 00:00:00	♃	03°55'57" ♎	-11°53'19"	00°59'49"	00°12'54"	6.397
13/10/2029 00:00:00	♅	23°51'54" ♉	16°21'28"	-02°27'12"	-00°03'35"	8.295
13/10/2029 00:00:00	♁	18°23'39" ♀	22°57'08"	00°01'25"	-00°00'58"	18.694
13/10/2029 00:00:00	♃	09°25'57" ♄	02°19'01"	-01°32'39"	-00°01'38"	28.876
13/10/2029 00:00:00	♁	08°03'39" ♁	-23°47'19"	o-05°44'30"	-00°00'13"	36.067
13/10/2029 00:00:00	♁	28°05'36" ♋	-23°25'18"	00°00'00"	00°00'13"	0.002
13/10/2029 00:00:00	♁	11°13'32" ♉	13°56'34"	-01°18'59"	-00°02'40"	16.420
13/10/2029 00:00:00	♁	05°15'32" ♉	17°11'08"	04°09'18"	00°06'41"	0.003
13/10/2029 00:00:00	T♁	28°05'36" ♋	-23°25'18"	00°00'00"	00°00'13"	0.002
13/10/2029 00:00:00	T♁	15°27'02" ♄	10°32'44"	04°50'30"	-01°43'34"	0.003
13/10/2029 00:00:00	X	26°09'48" ♄	00°51'33"	-09°54'02"	-00°00'35"	94.203
13/10/2029 00:00:00	Y	04°20'35" ♀	09°18'57"	-11°53'01"	-00°00'25"	81.383

Ephemerides year 2029

14/10/2029 00:00:00	☉	20°56'07" ♈	-08°10'11"	00°00'00"	00°59'25"	0.998
14/10/2029 00:00:00	☾	15°12'09" ♉	-21°04'57"	01°29'45"	13°25'21"	0.003
14/10/2029 00:00:00	♃	09°02'10" ♈	-01°50'24"	01°53'37"	01°42'28"	1.259
14/10/2029 00:00:00	♂	07°19'25" ♉	-24°34'05" ♁	-03°04'56"	01°03'51"	0.771
14/10/2029 00:00:00	♂	14°33'47" ♉	-23°48'51" ♁	-01°16'49"	00°43'14"	1.764
14/10/2029 00:00:00	♃	04°08'52" ♉	-11°57'44"	00°59'45"	00°12'55"	6.400
14/10/2029 00:00:00	♃	23°48'16" ♉	16°20'28"	-02°27'19"	-00°03'39"	8.286
14/10/2029 00:00:00	♃	18°22'39" ♉	22°57'03"	00°01'25"	-00°01'01"	18.680
14/10/2029 00:00:00	♃	09°24'19" ♉	02°18'23"	-01°32'39"	-00°01'37"	28.879
14/10/2029 00:00:00	♃	08°03'26" ♉	-23°47'17" ♁	-05°44'25"	-00°00'11"	36.084
14/10/2029 00:00:00	♁	28°05'59" ♉	-23°25'18"	00°00'00"	00°00'21"	0.002
14/10/2029 00:00:00	♁	11°10'51" ♉	13°55'38"	-01°19'06"	-00°02'41"	16.413
14/10/2029 00:00:00	♁	05°22'14" ♉	17°12'55"	04°08'47"	00°06'41"	0.003
14/10/2029 00:00:00	T♁	28°05'59" ♉	-23°25'18"	00°00'00"	00°00'21"	0.002
14/10/2029 00:00:00	T♁	14°12'41" ♉	10°05'43"	04°52'36"	-00°41'58"	0.003
14/10/2029 00:00:00	X	26°09'12" ♉	00°51'22"	-09°54'00"	-00°00'35"	94.202
14/10/2029 00:00:00	Y	04°20'09" ♉	09°18'47"	-11°53'07"	-00°00'26"	81.371
15/10/2029 00:00:00	☉	21°55'34" ♈	-08°32'26"	00°00'00"	00°59'27"	0.997
15/10/2029 00:00:00	☾	28°26'19" ♉	-17°57'14"	02°34'06"	13°03'30"	0.003

Ephemerides year 2029

15/10/2029 00:00:00	♀	10°44'56" ♈	-02°33'02"	01°51'03"	01°43'01"	1.277
15/10/2029 00:00:00	♀	08°23'09" ♈	-24°47'48"	0-03°08'12"	01°03'37"	0.763
15/10/2029 00:00:00	♂	15°17'05" ♈	-23°53'58"	0-01°17'02"	00°43'19"	1.768
15/10/2029 00:00:00	♃	04°21'49" ♎	-12°02'09"	00°59'41"	00°12'56"	6.403
15/10/2029 00:00:00	♃	23°44'34" ♈	16°19'28"	-02°27'25"	-00°03'44"	8.277
15/10/2029 00:00:00	♃	18°21'36" ♈	22°56'58"	00°01'26"	-00°01'04"	18.665
15/10/2029 00:00:00	♃	09°22'42" ♈	02°17'45"	-01°32'38"	-00°01'37"	28.883
15/10/2029 00:00:00	♃	08°03'15" ♈	-23°47'16"	0-05°44'20"	-00°00'10"	36.101
15/10/2029 00:00:00	♃	28°05'54" ♈	-23°25'18"	00°00'00"	-00°00'42"	0.002
15/10/2029 00:00:00	♃	11°08'08" ♈	13°54'41"	-01°19'13"	-00°02'43"	16.407
15/10/2029 00:00:00	♃	05°28'55" ♈	17°14'41"	04°08'16"	00°06'41"	0.003
15/10/2029 00:00:00	T♃	28°05'54" ♈	-23°25'18"	00°00'00"	-00°00'42"	0.002
15/10/2029 00:00:00	T♃	14°06'40" ♈	10°03'29"	04°52'44"	00°30'20"	0.003
15/10/2029 00:00:00	X	26°08'36" ♈	00°51'11"	-09°53'59"	-00°00'35"	94.200
15/10/2029 00:00:00	Y	04°19'42" ♈	09°18'37"	-11°53'13"	-00°00'26"	81.359
16/10/2029 00:00:00	♃	22°55'02" ♈	-08°54'33"	00°00'00"	00°59'29"	0.997
16/10/2029 00:00:00	♃	11°20'18" ♈	-14°01'31"	03°28'51"	12°45'04"	0.003
16/10/2029 00:00:00	♀	12°28'09" ♈	-03°16'08"	01°47'57"	01°43'21"	1.294
16/10/2029 00:00:00	♀	09°26'39" ♈	-25°00'57"	0-03°11'22"	01°03'21"	0.755

Ephemerides year 2029

16/10/2029 00:00:00	♂	16°00'27" ♄	-23°58'52" ♁	-01°17'15"	00°43'24"	1.773
16/10/2029 00:00:00	♃	04°34'46" ♃	-12°06'33"	00°59'37"	00°12'58"	6.406
16/10/2029 00:00:00	♅	23°40'48" ♄	16°18'26"	-02°27'32"	-00°03'48"	8.269
16/10/2029 00:00:00	♁	18°20'30" ♃	22°56'53"	00°01'27"	-00°01'07"	18.651
16/10/2029 00:00:00	♃	09°21'05" ♄	02°17'08"	-01°32'38"	-00°01'36"	28.887
16/10/2029 00:00:00	♁	08°03'06" ♃	-23°47'13" ♁	-05°44'15"	-00°00'08"	36.119
16/10/2029 00:00:00	♁	28°04'15" ♄	-23°25'17"	00°00'00"	-00°02'43"	0.002
16/10/2029 00:00:00	♃	11°05'24" ♄	13°53'44"	-01°19'19"	-00°02'44"	16.401
16/10/2029 00:00:00	♁	05°35'37" ♄	17°16'27"	04°07'44"	00°06'41"	0.003
16/10/2029 00:00:00	T♁	28°04'15" ♄	-23°25'17"	00°00'00"	-00°02'43"	0.002
16/10/2029 00:00:00	T♁	15°11'56" ♄	10°27'12"	04°50'52"	01°38'31"	0.003
16/10/2029 00:00:00	X	26°08'00" ♄	00°51'00"	-09°53'57"	-00°00'36"	94.199
16/10/2029 00:00:00	Y	04°19'15" ♃	09°18'26"	-11°53'19"	-00°00'27"	81.348
17/10/2029 00:00:00	♁	23°54'33" ♁	-09°16'33"	00°00'00"	00°59'30"	0.997
17/10/2029 00:00:00	♁	23°57'38" ♃	-09°33'47"	04°12'07"	12°30'08"	0.003
17/10/2029 00:00:00	♁	14°11'36" ♁	-03°59'33"	01°44'21"	01°43'31"	1.309
17/10/2029 00:00:00	♀	10°29'53" ♄	-25°13'30" ♁	-03°14'28"	01°03'05"	0.748
17/10/2029 00:00:00	♂	16°43'54" ♄	-24°03'32" ♁	-01°17'28"	00°43'29"	1.777
17/10/2029 00:00:00	♃	04°47'45" ♃	-12°10'57"	00°59'33"	00°12'59"	6.409

Ephemerides year 2029

17/10/2029 00:00:00	♃	23°36'57" ♄r	16°17'24"	-02°27'37"	-00°03'52"	8.260
17/10/2029 00:00:00	♃	18°19'21" ♄r	22°56'48"	00°01'27"	-00°01'10"	18.637
17/10/2029 00:00:00	♃	09°19'29" ♄r	02°16'30"	-01°32'37"	-00°01'36"	28.892
17/10/2029 00:00:00	♃	08°02'58" ♄r	-23°47'11" ♁	-05°44'10"	-00°00'06"	36.136
17/10/2029 00:00:00	♃	28°00'17" ♄r	-23°25'13"	00°00'00"	-00°05'15"	0.002
17/10/2029 00:00:00	♃	11°02'39" ♄r	13°52'47"	-01°19'26"	-00°02'45"	16.395
17/10/2029 00:00:00	♃	05°42'19" ♄r	17°18'13"	04°07'12"	00°06'41"	0.003
17/10/2029 00:00:00	♃	28°00'17" ♄r	-23°25'13"	00°00'00"	-00°05'15"	0.002
17/10/2029 00:00:00	♃	17°19'11" ♄r	11°12'55"	04°46'59"	02°33'16"	0.003
17/10/2029 00:00:00	X	26°07'24" ♄r	00°50'49"	-09°53'55"	-00°00'36"	94.198
17/10/2029 00:00:00	Y	04°18'48" ♄r	09°18'16"	-11°53'24"	-00°00'27"	81.336
18/10/2029 00:00:00	♃	24°54'04" ♄r	-09°38'24"	00°00'00"	00°59'32"	0.996
18/10/2029 00:00:00	♃	06°21'38" ♄r	-04°47'42"	04°42'37"	12°18'22"	0.003
18/10/2029 00:00:00	♃	15°55'08" ♄r	-04°43'08"	01°40'18"	01°43'31"	1.324
18/10/2029 00:00:00	♃	11°32'50" ♄r	-25°25'29" ♁	-03°17'29"	01°02'49"	0.740
18/10/2029 00:00:00	♃	17°27'25" ♄r	-24°07'58" ♁	-01°17'40"	00°43'34"	1.781
18/10/2029 00:00:00	♃	05°00'44" ♄r	-12°15'21"	00°59'29"	00°13'00"	6.411
18/10/2029 00:00:00	♃	23°33'02" ♄r	16°16'20"	-02°27'43"	-00°03'57"	8.252
18/10/2029 00:00:00	♃	18°18'10" ♄r	22°56'42"	00°01'28"	-00°01'12"	18.623

Ephemerides year 2029

18/10/2029 00:00:00	♁	09°17'53" ♀	02°15'53"	-01°32'37"	-00°01'35"	28.896
18/10/2029 00:00:00	♁	08°02'52" ♀	-23°47'08"	♁-05°44'05"	-00°00'05"	36.153
18/10/2029 00:00:00	♁	27°53'42" ♀	-23°25'07"	00°00'00"	-00°07'51"	0.002
18/10/2029 00:00:00	♁	10°59'53" ♀	13°51'50"	-01°19'32"	-00°02'47"	16.389
18/10/2029 00:00:00	♁	05°49'00" ♀	17°19'58"	04°06'40"	00°06'41"	0.003
18/10/2029 00:00:00	♁	27°53'42" ♀	-23°25'07"	00°00'00"	-00°07'51"	0.002
18/10/2029 00:00:00	♁	20°12'39" ♀	12°13'56"	04°41'04"	03°10'36"	0.003
18/10/2029 00:00:00	♁	26°06'48" ♀	00°50'38"	-09°53'53"	-00°00'36"	94.198
18/10/2029 00:00:00	♁	04°18'20" ♀	09°18'06"	-11°53'30"	-00°00'28"	81.325
19/10/2029 00:00:00	♁	25°53'38" ♀	-10°00'07"	00°00'00"	00°59'34"	0.996
19/10/2029 00:00:00	♁	18°35'15" ♀	00°05'04"	04°59'39"	12°09'15"	0.003
19/10/2029 00:00:00	♁	17°38'37" ♀	-05°26'47"	01°35'52"	01°43'24"	1.337
19/10/2029 00:00:00	♁	12°35'31" ♀	-25°36'52"	♁-03°20'24"	01°02'32"	0.732
19/10/2029 00:00:00	♁	18°11'02" ♀	-24°12'10"	♁-01°17'51"	00°43'38"	1.786
19/10/2029 00:00:00	♁	05°13'45" ♀	-12°19'45"	00°59'25"	00°13'01"	6.414
19/10/2029 00:00:00	♁	23°29'03" ♀	16°15'16"	-02°27'48"	-00°04'00"	8.245
19/10/2029 00:00:00	♁	18°16'56" ♀	22°56'36"	00°01'29"	-00°01'15"	18.610
19/10/2029 00:00:00	♁	09°16'17" ♀	02°15'16"	-01°32'36"	-00°01'35"	28.901
19/10/2029 00:00:00	♁	08°02'48" ♀	-23°47'04"	♁-05°44'00"	-00°00'03"	36.171

Ephemerides year 2029

19/10/2029 00:00:00	♏	27°44'42" ♀r	-23°24'58"	00°00'00"	-00°10'02"	0.003
19/10/2029 00:00:00	♋	10°57'05" ♂r	13°50'52"	-01°19'39"	-00°02'48"	16.384
19/10/2029 00:00:00	♌	05°55'42" ♂	17°21'43"	04°06'08"	00°06'41"	0.003
19/10/2029 00:00:00	T♏	27°44'42" ♀r	-23°24'58"	00°00'00"	-00°10'02"	0.003
19/10/2029 00:00:00	T♌	23°34'26" ♀	13°22'52"	04°33'19"	03°30'04"	0.003
19/10/2029 00:00:00	X	26°06'11" ♀r	00°50'27"	-09°53'51"	-00°00'36"	94.198
19/10/2029 00:00:00	Y	04°17'51" ♀r	09°17'56"	-11°53'35"	-00°00'28"	81.314
20/10/2029 00:00:00	♍	26°53'14" ♀	-10°21'41"	00°00'00"	00°59'36"	0.996
20/10/2029 00:00:00	♎	00°40'51" ♀	04°54'11"	05°03'00"	12°02'15"	0.003
20/10/2029 00:00:00	♏	19°21'56" ♀	-06°10'22"	01°31'04"	01°43'12"	1.350
20/10/2029 00:00:00	♌	13°37'55" ♀	-25°47'39"	♁-03°23'14"	01°02'14"	0.725
20/10/2029 00:00:00	♍	18°54'43" ♀	-24°16'08"	♁-01°18'03"	00°43'43"	1.790
20/10/2029 00:00:00	♎	05°26'47" ♀	-12°24'07"	00°59'22"	00°13'02"	6.416
20/10/2029 00:00:00	♏	23°25'00" ♂r	16°14'12"	-02°27'54"	-00°04'04"	8.237
20/10/2029 00:00:00	♌	18°15'39" ♀r	22°56'30"	00°01'29"	-00°01'18"	18.596
20/10/2029 00:00:00	♍	09°14'43" ♀r	02°14'39"	-01°32'36"	-00°01'34"	28.907
20/10/2029 00:00:00	♎	08°02'45" ♀r	-23°47'00"	♁-05°43'55"	-00°00'01"	36.188
20/10/2029 00:00:00	♏	27°33'53" ♀r	-23°24'47"	00°00'00"	-00°11'26"	0.003
20/10/2029 00:00:00	♋	10°54'16" ♂r	13°49'53"	-01°19'45"	-00°02'49"	16.379



Ephemerides year 2029

20/10/2029 00:00:00	☾	06°02'24" ♀	17°23'28"	04°05'36"	00°06'41"	0.003
20/10/2029 00:00:00	♄	27°33'53" ♂	-23°24'47"	00°00'00"	-00°11'26"	0.003
20/10/2029 00:00:00	♄	27°07'34" ♀	14°33'00"	04°24'07"	03°33'53"	0.003
20/10/2029 00:00:00	X	26°05'35" ♀	00°50'16"	-09°53'49"	-00°00'36"	94.198
20/10/2029 00:00:00	Y	04°17'22" ♀	09°17'45"	-11°53'40"	-00°00'29"	81.303
21/10/2029 00:00:00	♁	27°52'51" ♀	-10°43'06"	00°00'00"	00°59'38"	0.996
21/10/2029 00:00:00	♃	12°40'20" ♀	09°29'52"	04°52'54"	11°56'57"	0.003
21/10/2029 00:00:00	♁	21°05'00" ♀	-06°53'49"	01°25'57"	01°42'54"	1.361
21/10/2029 00:00:00	♂	14°40'01" ♂	-25°57'51"	♁-03°25'58"	01°01'56"	0.717
21/10/2029 00:00:00	♂	19°38'29" ♂	-24°19'51"	♁-01°18'13"	00°43'48"	1.795
21/10/2029 00:00:00	♃	05°39'49" ♀	-12°28'30"	00°59'18"	00°13'03"	6.417
21/10/2029 00:00:00	♃	23°20'53" ♀	16°13'06"	-02°27'58"	-00°04'08"	8.230
21/10/2029 00:00:00	♃	18°14'19" ♀	22°56'24"	00°01'30"	-00°01'20"	18.583
21/10/2029 00:00:00	♃	09°13'08" ♀	02°14'03"	-01°32'35"	-00°01'33"	28.912
21/10/2029 00:00:00	♃	08°02'44" ♀	-23°46'55"	♁-05°43'50"	-00°00'00"	36.206
21/10/2029 00:00:00	♄	27°22'10" ♂	-23°24'33"	00°00'00"	-00°11'49"	0.003
21/10/2029 00:00:00	♃	10°51'26" ♀	13°48'55"	-01°19'51"	-00°02'50"	16.374
21/10/2029 00:00:00	☾	06°09'05" ♀	17°25'12"	04°05'04"	00°06'41"	0.003
21/10/2029 00:00:00	♄	27°22'10" ♂	-23°24'33"	00°00'00"	-00°11'49"	0.003

Ephemerides year 2029

21/10/2029 00:00:00	T♄	00°38'37" ♂	15°39'30"	04°14'02"	03°26'56"	0.003
21/10/2029 00:00:00	X	26°04'59" ♀	00°50'05"	-09°53'47"	-00°00'36"	94.198
21/10/2029 00:00:00	Y	04°16'53" ♀	09°17'35"	-11°53'45"	-00°00'29"	81.293
22/10/2029 00:00:00	☉	28°52'30" ♀	-11°04'22"	00°00'00"	00°59'40"	0.995
22/10/2029 00:00:00	☾	24°35'14" ♀	13°42'27"	04°30'02"	11°53'04"	0.003
22/10/2029 00:00:00	♁	22°47'45" ♀	-07°37'01"	01°20'34"	01°42'33"	1.372
22/10/2029 00:00:00	♂	15°41'48" ♂	-26°07'27"	♁-03°28'36"	01°01'38"	0.709
22/10/2029 00:00:00	♂	20°22'19" ♂	-24°23'21"	♁-01°18'23"	00°43'52"	1.799
22/10/2029 00:00:00	♃	05°52'53" ♀	-12°32'52"	00°59'15"	00°13'03"	6.419
22/10/2029 00:00:00	♄	23°16'43" ♂	16°12'00"	-02°28'03"	-00°04'12"	8.223
22/10/2029 00:00:00	♅	18°12'57" ♀	22°56'17"	00°01'31"	-00°01'23"	18.570
22/10/2029 00:00:00	♆	09°11'35" ♀	02°13'27"	-01°32'34"	-00°01'32"	28.918
22/10/2029 00:00:00	♇	08°02'44" ♀	-23°46'50"	♁-05°43'45"	00°00'01"	36.223
22/10/2029 00:00:00	♈	27°10'34" ♂	-23°24'19"	00°00'00"	-00°11'10"	0.003
22/10/2029 00:00:00	♉	10°48'36" ♂	13°47'56"	-01°19'57"	-00°02'51"	16.370
22/10/2029 00:00:00	♊	06°15'47" ♂	17°26'57"	04°04'31"	00°06'41"	0.003
22/10/2029 00:00:00	T♈	27°10'34" ♂	-23°24'19"	00°00'00"	-00°11'10"	0.003
22/10/2029 00:00:00	T♄	04°00'08" ♂	16°40'01"	04°03'35"	03°16'01"	0.003
22/10/2029 00:00:00	X	26°04'23" ♀	00°49'55"	-09°53'45"	-00°00'36"	94.199

Ephemerides year 2029

22/10/2029 00:00:00	Y	04°16'23" ♀	09°17'25"	-11°53'51"	-00°00'30"	81.282
23/10/2029 00:00:00	☉	29°52'12" ♄	-11°25'27"	00°00'00"	00°59'42"	0.995
23/10/2029 00:00:00	☾	06°26'58" ♄	17°22'10"	03°55'29"	11°50'37"	0.003
23/10/2029 00:00:00	♀	24°30'06" ♄	-08°19'54"	01°14'55"	01°42'09"	1.382
23/10/2029 00:00:00	♀	16°43'17" ♂	-26°16'27"	0-03°31'08"	01°01'18"	0.702
23/10/2029 00:00:00	♂	21°06'14" ♂	-24°26'36"	0-01°18'33"	00°43'57"	1.803
23/10/2029 00:00:00	♃	06°05'57" ♃	-12°37'14"	00°59'12"	00°13'04"	6.421
23/10/2029 00:00:00	♅	23°12'29" ♄	16°10'53"	-02°28'07"	-00°04'15"	8.216
23/10/2029 00:00:00	♁	18°11'32" ♀	22°56'10"	00°01'31"	-00°01'26"	18.557
23/10/2029 00:00:00	♃	09°10'03" ♀	02°12'52"	-01°32'33"	-00°01'32"	28.924
23/10/2029 00:00:00	♁	08°02'47" ☿	-23°46'45"	0-05°43'40"	00°00'03"	36.241
23/10/2029 00:00:00	♁	27°00'06" ♂	-23°24'05"	00°00'00"	-00°09'36"	0.003
23/10/2029 00:00:00	♃	10°45'44" ♄	13°46'57"	-01°20'03"	-00°02'51"	16.366
23/10/2029 00:00:00	♀	06°22'28" ♄	17°28'41"	04°03'59"	00°06'41"	0.003
23/10/2029 00:00:00	T♁	27°00'06" ♂	-23°24'05"	00°00'00"	-00°09'36"	0.003
23/10/2029 00:00:00	T♃	07°11'25" ♄	17°34'36"	03°52'58"	03°07'13"	0.003
23/10/2029 00:00:00	X	26°03'47" ♀	00°49'44"	-09°53'42"	-00°00'36"	94.200
23/10/2029 00:00:00	Y	04°15'52" ♀	09°17'15"	-11°53'55"	-00°00'30"	81.272
24/10/2029 00:00:00	☉	00°51'55" ♃	-11°46'23"	00°00'00"	00°59'44"	0.995

Ephemerides year 2029

24/10/2029 00:00:00	♃	18°17'03" ♄	20°19'19"	03°10'44"	11°49'50"	0.003
24/10/2029 00:00:00	♆	26°12'03" ♁	-09°02'24"	01°09'04"	01°41'43"	1.391
24/10/2029 00:00:00	♀	17°44'26" ♀	-26°24'50"	♁-03°33'33"	01°00'58"	0.694
24/10/2029 00:00:00	♂	21°50'13" ♀	-24°29'36"	♁-01°18'42"	00°44'01"	1.808
24/10/2029 00:00:00	♃	06°19'02" ♃	-12°41'35"	00°59'09"	00°13'05"	6.422
24/10/2029 00:00:00	♄	23°08'12" ♄	16°09'45"	-02°28'11"	-00°04'18"	8.210
24/10/2029 00:00:00	♅	18°10'05" ♃	22°56'03"	00°01'32"	-00°01'28"	18.545
24/10/2029 00:00:00	♆	09°08'31" ♄	02°12'16"	-01°32'32"	-00°01'31"	28.931
24/10/2029 00:00:00	♁	08°02'51" ♁	-23°46'39"	♁-05°43'35"	00°00'04"	36.259
24/10/2029 00:00:00	♂	26°51'35" ♀	-23°23'53"	00°00'00"	-00°07'22"	0.002
24/10/2029 00:00:00	♃	10°42'52" ♄	13°45'58"	-01°20'09"	-00°02'52"	16.362
24/10/2029 00:00:00	♆	06°29'10" ♄	17°30'24"	04°03'26"	00°06'41"	0.003
24/10/2029 00:00:00	♁	26°51'35" ♀	-23°23'53"	00°00'00"	-00°07'22"	0.002
24/10/2029 00:00:00	♃	10°16'01" ♄	18°24'27"	03°42'08"	03°02'32"	0.003
24/10/2029 00:00:00	X	26°03'11" ♄	00°49'34"	-09°53'40"	-00°00'35"	94.201
24/10/2029 00:00:00	Y	04°15'21" ♃	09°17'05"	-11°54'00"	-00°00'31"	81.262
25/10/2029 00:00:00	♁	01°51'41" ♃	-12°07'07"	00°00'00"	00°59'46"	0.994
25/10/2029 00:00:00	♃	00°07'20" ♃	22°24'48"	02°17'34"	11°51'08"	0.003
25/10/2029 00:00:00	♆	27°53'32" ♁	-09°44'28"	01°03'02"	01°41'15"	1.399

Ephemerides year 2029

25/10/2029 00:00:00	♀	18°45'15" ⚹	-26°32'38" ○	-03°35'51"	01°00'38"	0.686
25/10/2029 00:00:00	♂	22°34'17" ⚹	-24°32'21" ○	-01°18'51"	00°44'06"	1.812
25/10/2029 00:00:00	♃	06°32'08" ♎	-12°45'55"	00°59'06"	00°13'06"	6.423
25/10/2029 00:00:00	♅	23°03'52" ⚹	16°08'37"	-02°28'15"	-00°04'21"	8.204
25/10/2029 00:00:00	♁	18°08'35" ♀	22°55'56"	00°01'33"	-00°01'31"	18.532
25/10/2029 00:00:00	♃	09°07'00" ♀	02°11'42"	-01°32'32"	-00°01'30"	28.938
25/10/2029 00:00:00	♁	08°02'56" ♁	-23°46'32" ○	-05°43'30"	00°00'06"	36.277
25/10/2029 00:00:00	♁	26°45'28" ⚹	-23°23'44"	00°00'00"	-00°04'49"	0.002
25/10/2029 00:00:00	♃	10°39'59" ⚹	13°44'59"	-01°20'15"	-00°02'53"	16.359
25/10/2029 00:00:00	♁	06°35'52" ⚹	17°32'08"	04°02'53"	00°06'41"	0.003
25/10/2029 00:00:00	T♁	26°45'28" ⚹	-23°23'44"	00°00'00"	-00°04'49"	0.002
25/10/2029 00:00:00	T♁	13°16'54" ⚹	19°10'25"	03°31'00"	02°58'58"	0.003
25/10/2029 00:00:00	X	26°02'35" ♀	00°49'24"	-09°53'37"	-00°00'35"	94.203
25/10/2029 00:00:00	Y	04°14'50" ♀	09°16'55"	-11°54'05"	-00°00'31"	81.253
26/10/2029 00:00:00	♁	02°51'28" ♎	-12°27'41"	00°00'00"	00°59'48"	0.994
26/10/2029 00:00:00	♃	12°00'13" ♀	23°30'56" ○	01°18'05"	11°55'07"	0.003
26/10/2029 00:00:00	♁	29°34'33" ♁	-10°26'03"	00°56'50"	01°40'46"	1.407
26/10/2029 00:00:00	♀	19°45'42" ⚹	-26°39'49" ○	-03°38'02"	01°00'17"	0.679
26/10/2029 00:00:00	♂	23°18'26" ⚹	-24°34'51" ○	-01°18'59"	00°44'10"	1.816

Ephemerides year 2029

26/10/2029 00:00:00	♃	06°45'15" ♎	-12°50'15"	00°59'03"	00°13'06"	6.424
26/10/2029 00:00:00	♅	22°59'29" ♉	16°07'28"	-02°28'18"	-00°04'24"	8.198
26/10/2029 00:00:00	♁	18°07'02" ♋	22°55'48"	00°01'33"	-00°01'33"	18.520
26/10/2029 00:00:00	♆	09°05'30" ♏	02°11'07"	-01°32'31"	-00°01'29"	28.945
26/10/2029 00:00:00	♁	08°03'04" ♎	-23°46'25"	o-05°43'24"	00°00'08"	36.294
26/10/2029 00:00:00	♁	26°41'54" ♉	-23°23'39"	00°00'00"	-00°02'21"	0.002
26/10/2029 00:00:00	♆	10°37'05" ♉	13°44'00"	-01°20'21"	-00°02'53"	16.355
26/10/2029 00:00:00	♁	06°42'33" ♉	17°33'51"	04°02'21"	00°06'41"	0.003
26/10/2029 00:00:00	T♁	26°41'54" ♉	-23°23'39"	00°00'00"	-00°02'21"	0.002
26/10/2029 00:00:00	T♆	16°12'25" ♉	19°52'08"	03°19'41"	02°50'48"	0.003
26/10/2029 00:00:00	X	26°01'59" ♏	00°49'14"	-09°53'35"	-00°00'35"	94.205
26/10/2029 00:00:00	Y	04°14'18" ♋	09°16'45"	-11°54'09"	-00°00'31"	81.243
27/10/2029 00:00:00	♁	03°51'18" ♎	-12°48'03"	-00°00'00"	00°59'50"	0.994
27/10/2029 00:00:00	♃	23°58'43" ♋	23°32'25"	o 00°14'31"	12°02'27"	0.003
27/10/2029 00:00:00	♆	01°15'05" ♎	-11°07'04"	00°50'30"	01°40'16"	1.413
27/10/2029 00:00:00	♀	20°45'48" ♉	-26°46'23"	o-03°40'07"	00°59'54"	0.671
27/10/2029 00:00:00	♂	24°02'39" ♉	-24°37'07"	o-01°19'07"	00°44'15"	1.821
27/10/2029 00:00:00	♃	06°58'21" ♎	-12°54'35"	00°59'00"	00°13'07"	6.424
27/10/2029 00:00:00	♅	22°55'02" ♉	16°06'19"	-02°28'21"	-00°04'27"	8.192

Ephemerides year 2029

27/10/2029 00:00:00	♃	18°05'28" ♀r	22°55'40"	00°01'34"	-00°01'36"	18.508
27/10/2029 00:00:00	♃	09°04'01" ♀r	02°10'33"	-01°32'30"	-00°01'28"	28.952
27/10/2029 00:00:00	♃	08°03'13" ♀	-23°46'18"	o-05°43'19"	00°00'09"	36.312
27/10/2029 00:00:00	♃	26°40'36" ♀r	-23°23'37"	00°00'00"	-00°00'21"	0.002
27/10/2029 00:00:00	♃	10°34'11" ♀r	13°43'00"	-01°20'27"	-00°02'54"	16.352
27/10/2029 00:00:00	♃	06°49'15" ♀	17°35'33"	04°01'48"	00°06'41"	0.003
27/10/2029 00:00:00	T♃	26°40'36" ♀r	-23°23'37"	00°00'00"	-00°00'21"	0.002
27/10/2029 00:00:00	T♃	18°55'09" ♀	20°28'08"	03°08'47"	02°32'34"	0.003
27/10/2029 00:00:00	X	26°01'23" ♀r	00°49'04"	-09°53'32"	-00°00'35"	94.207
27/10/2029 00:00:00	Y	04°13'46" ♀r	09°16'35"	-11°54'14"	-00°00'32"	81.234
28/10/2029 00:00:00	♃	04°51'10" ♀	-13°08'13"	-00°00'00"	00°59'52"	0.994
28/10/2029 00:00:00	♃	06°06'29" ♀	22°27'05"	-00°50'38"	12°13'46"	0.003
28/10/2029 00:00:00	♃	02°55'06" ♀	-11°47'31"	00°44'03"	01°39'46"	1.419
28/10/2029 00:00:00	♃	21°45'32" ♀	-26°52'22"	o-03°42'03"	00°59'32"	0.663
28/10/2029 00:00:00	♃	24°46'56" ♀	-24°39'07"	o-01°19'14"	00°44'19"	1.825
28/10/2029 00:00:00	♃	07°11'29" ♀	-12°58'54"	00°58'57"	00°13'07"	6.424
28/10/2029 00:00:00	♃	22°50'33" ♀r	16°05'09"	-02°28'23"	-00°04'30"	8.187
28/10/2029 00:00:00	♃	18°03'50" ♀r	22°55'32"	00°01'34"	-00°01'38"	18.496
28/10/2029 00:00:00	♃	09°02'33" ♀r	02°09'59"	-01°32'28"	-00°01'27"	28.959

Ephemerides year 2029

28/10/2029 00:00:00	♁	08°03'24" ♁	-23°46'10" ♁	-05°43'14"	00°00'11"	36.330
28/10/2029 00:00:00	♁	26°40'57" ♁	-23°23'37"	00°00'00"	00°00'54"	0.002
28/10/2029 00:00:00	♁	10°31'17" ♁	13°42'00"	-01°20'32"	-00°02'54"	16.350
28/10/2029 00:00:00	♁	06°55'56" ♁	17°37'16"	04°01'15"	00°06'41"	0.003
28/10/2029 00:00:00	♁	26°40'57" ♁	-23°23'37"	00°00'00"	00°00'54"	0.002
28/10/2029 00:00:00	♁	21°12'57" ♁	20°56'31"	02°59'15"	02°00'32"	0.003
28/10/2029 00:00:00	X	26°00'48" ♁	00°48'54"	-09°53'29"	-00°00'35"	94.209
28/10/2029 00:00:00	Y	04°13'14" ♁	09°16'26"	-11°54'18"	-00°00'32"	81.225
29/10/2029 00:00:00	♁	05°51'04" ♁	-13°28'11"	-00°00'00"	00°59'55"	0.993
29/10/2029 00:00:00	♁	18°27'45" ♁	20°16'05"	-01°54'44"	12°29'31"	0.003
29/10/2029 00:00:00	♁	04°34'38" ♁	-12°27'20"	00°37'30"	01°39'16"	1.424
29/10/2029 00:00:00	♁	22°44'53" ♁	-26°57'44" ♁	-03°43'52"	00°59'08"	0.656
29/10/2029 00:00:00	♁	25°31'18" ♁	-24°40'52" ♁	-01°19'21"	00°44'24"	1.829
29/10/2029 00:00:00	♁	07°24'37" ♁	-13°03'12"	00°58'55"	00°13'07"	6.425
29/10/2029 00:00:00	♁	22°46'01" ♁	16°03'59"	-02°28'26"	-00°04'33"	8.182
29/10/2029 00:00:00	♁	18°02'10" ♁	22°55'24"	00°01'35"	-00°01'40"	18.484
29/10/2029 00:00:00	♁	09°01'06" ♁	02°09'26"	-01°32'27"	-00°01'26"	28.967
29/10/2029 00:00:00	♁	08°03'36" ♁	-23°46'01" ♁	-05°43'09"	00°00'13"	36.348
29/10/2029 00:00:00	♁	26°42'06" ♁	-23°23'39"	00°00'00"	00°01'14"	0.002



Ephemerides year 2029

29/10/2029 00:00:00	♄	10°28'21" ♀	13°41'01"	-01°20'38"	-00°02'55"	16.348
29/10/2029 00:00:00	♁	07°02'38" ♀	17°38'58"	04°00'41"	00°06'41"	0.003
29/10/2029 00:00:00	♄♁	26°42'06" ♂	-23°23'39"	00°00'00"	00°01'14"	0.002
29/10/2029 00:00:00	♁♁	22°51'12" ♀	21°15'32"	02°52'18"	01°13'29"	0.003
29/10/2029 00:00:00	X	26°00'12" ♀	00°48'44"	-09°53'26"	-00°00'35"	94.212
29/10/2029 00:00:00	Y	04°12'41" ♀	09°16'16"	-11°54'22"	-00°00'33"	81.217
30/10/2029 00:00:00	♁	06°51'00" ♀	-13°47'57"	-00°00'00"	00°59'57"	0.993
30/10/2029 00:00:00	♁	01°07'04" ♀	17°03'40"	-02°54'51"	12°49'51"	0.003
30/10/2029 00:00:00	♁	06°13'40" ♀	-13°06'30"	00°30'53"	01°38'46"	1.429
30/10/2029 00:00:00	♁	23°43'49" ♂	-27°02'30"	♁-03°45'33"	00°58'44"	0.648
30/10/2029 00:00:00	♁	26°15'44" ♂	-24°42'22"	♁-01°19'27"	00°44'28"	1.833
30/10/2029 00:00:00	♁	07°37'45" ♀	-13°07'29"	00°58'52"	00°13'08"	6.425
30/10/2029 00:00:00	♁	22°41'27" ♀	16°02'48"	-02°28'28"	-00°04'35"	8.177
30/10/2029 00:00:00	♁	18°00'28" ♀	22°55'15"	00°01'36"	-00°01'43"	18.473
30/10/2029 00:00:00	♁	08°59'39" ♀	02°08'53"	-01°32'26"	-00°01'25"	28.975
30/10/2029 00:00:00	♁	08°03'50" ♀	-23°45'53"	♁-05°43'04"	00°00'15"	36.366
30/10/2029 00:00:00	♁	26°43'06" ♂	-23°23'40"	00°00'00"	00°00'36"	0.002
30/10/2029 00:00:00	♄	10°25'26" ♀	13°40'01"	-01°20'43"	-00°02'55"	16.346
30/10/2029 00:00:00	♁	07°09'20" ♀	17°40'40"	04°00'08"	00°06'41"	0.003

Ephemerides year 2029

30/10/2029 00:00:00	T♄	26°43'06" ♄	-23°23'40"	00°00'00"	00°00'36"	0.002
30/10/2029 00:00:00	T♄	23°35'34" ♄	21°23'49"	02°49'09"	00°13'30"	0.003
30/10/2029 00:00:00	X	25°59'37" ♄	00°48'35"	-09°53'22"	-00°00'35"	94.215
30/10/2029 00:00:00	Y	04°12'08" ♄	09°16'06"	-11°54'26"	-00°00'33"	81.208
31/10/2029 00:00:00	♁	07°50'58" ♃	-14°07'29"	-00°00'00"	00°59'59"	0.993
31/10/2029 00:00:00	♂	14°08'53" ♃	12°56'37"	-03°47'48"	13°14'25"	0.003
31/10/2029 00:00:00	♀	07°52'12" ♃	-13°44'57"	00°24'13"	01°38'18"	1.433
31/10/2029 00:00:00	♀	24°42'21" ♄	-27°06'40"	o-03°47'05"	00°58'18"	0.640
31/10/2029 00:00:00	♂	27°00'15" ♄	-24°43'36"	o-01°19'32"	00°44'32"	1.838
31/10/2029 00:00:00	♃	07°50'53" ♃	-13°11'46"	00°58'50"	00°13'07"	6.424
31/10/2029 00:00:00	♃	22°36'50" ♄	16°01'37"	-02°28'30"	-00°04'38"	8.173
31/10/2029 00:00:00	♃	17°58'44" ♄	22°55'07"	00°01'36"	-00°01'45"	18.462
31/10/2029 00:00:00	♄	08°58'14" ♄	02°08'21"	-01°32'25"	-00°01'24"	28.984
31/10/2029 00:00:00	♃	08°04'06" ♃	-23°45'43"	o-05°42'59"	00°00'16"	36.384
31/10/2029 00:00:00	♁	26°43'03" ♄	-23°23'40"	00°00'00"	-00°00'48"	0.002
31/10/2029 00:00:00	♃	10°22'30" ♄	13°39'01"	-01°20'48"	-00°02'56"	16.344
31/10/2029 00:00:00	♄	07°16'01" ♄	17°42'22"	03°59'34"	00°06'41"	0.003
31/10/2029 00:00:00	T♄	26°43'03" ♄	-23°23'40"	00°00'00"	-00°00'48"	0.002
31/10/2029 00:00:00	T♄	23°16'14" ♄	21°20'18"	02°50'36"	-00°52'14"	0.003

Ephemerides year 2029

31/10/2029 00:00:00	X	25°59'01" ♄	00°48'25"	-09°53'19"	-00°00'35"	94.219
31/10/2029 00:00:00	Y	04°11'34" ♀	09°15'57"	-11°54'30"	-00°00'33"	81.200
01/11/2029 00:00:00	☉	08°50'59" ♃	-14°26'48"	-00°00'00"	01°00'01"	0.993
01/11/2029 00:00:00	☾	27°36'59" ♁	08°04'02"	-04°30'06"	13°42'10"	0.003
01/11/2029 00:00:00	♀	09°30'16" ♃	-14°22'42"	00°17'30"	01°37'48"	1.436
01/11/2029 00:00:00	♀	25°40'27" ♂	-27°10'14"	o-03°48'28"	00°57'52"	0.633
01/11/2029 00:00:00	♂	27°44'50" ♂	-24°44'35"	o-01°19'38"	00°44'36"	1.842
01/11/2029 00:00:00	♃	08°04'01" ♃	-13°16'02"	00°58'48"	00°13'08"	6.424
01/11/2029 00:00:00	♅	22°32'11" ♂	16°00'26"	-02°28'31"	-00°04'40"	8.169
01/11/2029 00:00:00	♁	17°56'57" ♀	22°54'58"	00°01'37"	-00°01'48"	18.451
01/11/2029 00:00:00	♃	08°56'50" ♄	02°07'49"	-01°32'24"	-00°01'23"	28.992
01/11/2029 00:00:00	♁	08°04'24" ♁	-23°45'34"	o-05°42'53"	00°00'18"	36.401
01/11/2029 00:00:00	♁	26°41'19" ♂	-23°23'38"	00°00'00"	-00°02'42"	0.002
01/11/2029 00:00:00	♁	10°19'34" ♂	13°38'01"	-01°20'54"	-00°02'56"	16.343
01/11/2029 00:00:00	♁	07°22'43" ♂	17°44'03"	03°59'01"	00°06'41"	0.003
01/11/2029 00:00:00	T♁	26°41'19" ♂	-23°23'38"	00°00'00"	-00°02'42"	0.002
01/11/2029 00:00:00	T♁	21°53'25" ♂	21°04'38"	02°56'34"	-01°50'54"	0.003
01/11/2029 00:00:00	X	25°58'26" ♄	00°48'16"	-09°53'16"	-00°00'35"	94.222
01/11/2029 00:00:00	Y	04°11'00" ♀	09°15'47"	-11°54'34"	-00°00'34"	81.192

Ephemerides year 2029

02/11/2029 00:00:00	☉	09°51'02" ♍	-14°45'53"	-00°00'00"	01°00'03"	0.992
02/11/2029 00:00:00	☾	11°33'38" ♍	02°37'40"	-04°58'09"	14°11'06"	0.002
02/11/2029 00:00:00	♀	11°07'51" ♍	-14°59'41"	00°10'46"	01°37'20"	1.438
02/11/2029 00:00:00	♀	26°38'06" ♂	-27°13'12"	o-03°49'43"	00°57'25"	0.625
02/11/2029 00:00:00	♂	28°29'29" ♂	-24°45'18"	o-01°19'42"	00°44'41"	1.846
02/11/2029 00:00:00	♃	08°17'09" ♍	-13°20'17"	00°58'46"	00°13'08"	6.423
02/11/2029 00:00:00	♄	22°27'30" ♂	15°59'14"	-02°28'32"	-00°04'42"	8.165
02/11/2029 00:00:00	♅	17°55'08" ♀	22°54'49"	00°01'38"	-00°01'50"	18.440
02/11/2029 00:00:00	♆	08°55'27" ♀	02°07'18"	-01°32'22"	-00°01'22"	29.001
02/11/2029 00:00:00	♁	08°04'43" ♁	-23°45'24"	o-05°42'48"	00°00'19"	36.419
02/11/2029 00:00:00	♂	26°37'37" ♂	-23°23'32"	00°00'00"	-00°04'40"	0.002
02/11/2029 00:00:00	♆	10°16'38" ♂	13°37'01"	-01°20'59"	-00°02'56"	16.342
02/11/2029 00:00:00	♁	07°29'24" ♂	17°45'44"	03°58'27"	00°06'41"	0.003
02/11/2029 00:00:00	♁♂	26°37'37" ♂	-23°23'32"	00°00'00"	-00°04'40"	0.002
02/11/2029 00:00:00	♁♃	19°41'48" ♂	20°38'10"	03°05'48"	-02°27'40"	0.003
02/11/2029 00:00:00	X	25°57'51" ♀	00°48'07"	-09°53'12"	-00°00'35"	94.226
02/11/2029 00:00:00	Y	04°10'26" ♀	09°15'38"	-11°54'37"	-00°00'34"	81.185
03/11/2029 00:00:00	☉	10°51'06" ♍	-15°04'44"	-00°00'00"	01°00'05"	0.992
03/11/2029 00:00:00	☾	25°58'40" ♍	-03°07'22"	-05°08'37"	14°38'24"	0.002

Ephemerides year 2029

03/11/2029 00:00:00	♀	12°44'58" ♍	-15°35'54"	00°04'01"	01°36'53"	1.440
03/11/2029 00:00:00	♀	27°35'18" ♈	-27°15'35"	o-03°50'49"	00°56'57"	0.617
03/11/2029 00:00:00	♂	29°14'12" ♈	-24°45'46"	o-01°19'46"	00°44'45"	1.850
03/11/2029 00:00:00	♃	08°30'17" ♍	-13°24'32"	00°58'43"	00°13'08"	6.422
03/11/2029 00:00:00	♅	22°22'46" ♄	15°58'02"	-02°28'33"	-00°04'44"	8.162
03/11/2029 00:00:00	♁	17°53'16" ♃	22°54'39"	00°01'38"	-00°01'52"	18.430
03/11/2029 00:00:00	♆	08°54'05" ♄	02°06'47"	-01°32'21"	-00°01'21"	29.011
03/11/2029 00:00:00	♁	08°05'04" ♁	-23°45'13"	o-05°42'43"	00°00'21"	36.437
03/11/2029 00:00:00	♁	26°32'07" ♈	-23°23'24"	00°00'00"	-00°06'12"	0.002
03/11/2029 00:00:00	♁	10°13'41" ♄	13°36'01"	-01°21'04"	-00°02'56"	16.341
03/11/2029 00:00:00	♁	07°36'06" ♄	17°47'25"	03°57'53"	00°06'41"	0.003
03/11/2029 00:00:00	T♁	26°32'07" ♈	-23°23'24"	00°00'00"	-00°06'12"	0.002
03/11/2029 00:00:00	T♁	17°08'03" ♄	20°04'57"	03°16'13"	-02°35'02"	0.003
03/11/2029 00:00:00	X	25°57'16" ♄	00°47'58"	-09°53'08"	-00°00'35"	94.230
03/11/2029 00:00:00	Y	04°09'51" ♃	09°15'28"	-11°54'41"	-00°00'34"	81.178
04/11/2029 00:00:00	☉	11°51'13" ♍	-15°23'20"	-00°00'00"	01°00'07"	0.992
04/11/2029 00:00:00	☾	10°48'46" ♋	-08°51'42"	-04°59'05"	15°00'38"	0.002
04/11/2029 00:00:00	♀	14°21'38" ♍	-16°11'18"	-00°02'43"	01°36'27"	1.442
04/11/2029 00:00:00	♀	28°32'01" ♈	-27°17'22"	o-03°51'45"	00°56'28"	0.610

Ephemerides year 2029

04/11/2029 00:00:00	♂	29°59'00" ♂	-24°45'57" ♀	-01°19'50"	00°44'49"	1.855
04/11/2029 00:00:00	♃	08°43'26" ♃	-13°28'45"	00°58'42"	00°13'08"	6.421
04/11/2029 00:00:00	♅	22°18'01" ♂	15°56'50"	-02°28'33"	-00°04'45"	8.159
04/11/2029 00:00:00	♁	17°51'22" ♀	22°54'29"	00°01'39"	-00°01'54"	18.420
04/11/2029 00:00:00	♃	08°52'44" ♂	02°06'16"	-01°32'20"	-00°01'20"	29.020
04/11/2029 00:00:00	♁	08°05'26" ♀	-23°45'02" ♀	-05°42'38"	00°00'23"	36.455
04/11/2029 00:00:00	♁	26°25'27" ♂	-23°23'13"	00°00'00"	-00°06'58"	0.002
04/11/2029 00:00:00	♃	10°10'45" ♂	13°35'02"	-01°21'09"	-00°02'56"	16.341
04/11/2029 00:00:00	♁	07°42'47" ♂	17°49'05"	03°57'19"	00°06'41"	0.003
04/11/2029 00:00:00	♁	26°25'27" ♂	-23°23'13"	00°00'00"	-00°06'58"	0.002
04/11/2029 00:00:00	♁	14°39'20" ♂	19°30'34"	03°25'57"	-02°19'52"	0.003
04/11/2029 00:00:00	X	25°56'41" ♂	00°47'49"	-09°53'05"	-00°00'34"	94.235
04/11/2029 00:00:00	Y	04°09'16" ♀	09°15'19"	-11°54'44"	-00°00'35"	81.171
05/11/2029 00:00:00	♃	12°51'22" ♃	-15°41'41"	-00°00'00"	01°00'09"	0.992
05/11/2029 00:00:00	♃	25°57'10" ♀	-14°11'29"	-04°28'42"	15°14'32"	0.002
05/11/2029 00:00:00	♃	15°57'52" ♃	-16°45'53"	-00°09'27"	01°36'01"	1.442
05/11/2029 00:00:00	♀	29°28'15" ♂	-27°18'34" ♀	-03°52'31"	00°55'58"	0.602
05/11/2029 00:00:00	♂	00°43'52" ♀	-24°45'53" ♀	-01°19'53"	00°44'53"	1.859
05/11/2029 00:00:00	♃	08°56'34" ♃	-13°32'58"	00°58'40"	00°13'08"	6.420

Ephemerides year 2029

05/11/2029 00:00:00	♃	22°13'15" ♉r	15°55'37"	-02°28'33"	-00°04'47"	8.156
05/11/2029 00:00:00	♃	17°49'27" ♉r	22°54'19"	00°01'40"	-00°01'56"	18.410
05/11/2029 00:00:00	♃	08°51'24" ♉r	02°05'46"	-01°32'18"	-00°01'18"	29.030
05/11/2029 00:00:00	♃	08°05'51" ♉	-23°44'50" ♁	-05°42'33"	00°00'25"	36.473
05/11/2029 00:00:00	♁	26°18'30" ♉r	-23°23'01"	00°00'00"	-00°06'45"	0.002
05/11/2029 00:00:00	♃	10°07'48" ♉r	13°34'02"	-01°21'13"	-00°02'56"	16.341
05/11/2029 00:00:00	♃	07°49'28" ♉	17°50'45"	03°56'45"	00°06'41"	0.003
05/11/2029 00:00:00	♁	26°18'30" ♉r	-23°23'01"	00°00'00"	-00°06'45"	0.002
05/11/2029 00:00:00	♃	12°30'03" ♉r	18°59'01"	03°34'10"	-01°59'22"	0.003
05/11/2029 00:00:00	X	25°56'06" ♉r	00°47'41"	-09°53'01"	-00°00'34"	94.240
05/11/2029 00:00:00	Y	04°08'40" ♉r	09°15'10"	-11°54'47"	-00°00'35"	81.164
06/11/2029 00:00:00	♃	13°51'33" ♉	-15°59'46"	-00°00'00"	01°00'11"	0.991
06/11/2029 00:00:00	♃	11°14'19" ♉	-18°39'54"	-03°38'56"	15°17'54"	0.002
06/11/2029 00:00:00	♃	17°33'42" ♉	-17°19'36"	-00°16'08"	01°35'37"	1.443
06/11/2029 00:00:00	♃	00°23'58" ♉	-27°19'12" ♁	-03°53'07"	00°55'26"	0.595
06/11/2029 00:00:00	♃	01°28'48" ♉	-24°45'33" ♁	-01°19'56"	00°44'58"	1.863
06/11/2029 00:00:00	♃	09°09'42" ♉	-13°37'10"	00°58'38"	00°13'07"	6.418
06/11/2029 00:00:00	♃	22°08'27" ♉r	15°54'25"	-02°28'33"	-00°04'48"	8.153
06/11/2029 00:00:00	♃	17°47'29" ♉r	22°54'09"	00°01'40"	-00°01'58"	18.400

Ephemerides year 2029

06/11/2029 00:00:00	♁	08°50'06" ♀	02°05'17"	-01°32'17"	-00°01'17"	29.040
06/11/2029 00:00:00	♁	08°06'17" ♀	-23°44'39"	o-05°42'27"	00°00'26"	36.491
06/11/2029 00:00:00	♁	26°12'15" ♀	-23°22'51"	00°00'00"	-00°05'36"	0.002
06/11/2029 00:00:00	♁	10°04'52" ♀	13°33'02"	-01°21'18"	-00°02'55"	16.341
06/11/2029 00:00:00	♁	07°56'10" ♀	17°52'25"	03°56'11"	00°06'41"	0.003
06/11/2029 00:00:00	T♁	26°12'15" ♀	-23°22'51"	00°00'00"	-00°05'36"	0.002
06/11/2029 00:00:00	T♁	10°36'48" ♀	18°30'16"	03°41'18"	-01°49'56"	0.003
06/11/2029 00:00:00	X	25°55'32" ♀	00°47'32"	-09°52'57"	-00°00'34"	94.245
06/11/2029 00:00:00	Y	04°08'05" ♀	09°15'01"	-11°54'50"	-00°00'35"	81.157
07/11/2029 00:00:00	♁	14°51'46" ♀	-16°17'35"	-00°00'00"	01°00'13"	0.991
07/11/2029 00:00:00	♁	26°29'18" ♀	-21°51'16"	-02°33'35"	15°10'17"	0.002
07/11/2029 00:00:00	♁	19°09'07" ♀	-17°52'27"	-00°22'48"	01°35'13"	1.442
07/11/2029 00:00:00	♁	01°19'08" ♀	-27°19'16"	o-03°53'33"	00°54'54"	0.587
07/11/2029 00:00:00	♁	02°13'48" ♀	-24°44'56"	o-01°19'58"	00°45'02"	1.867
07/11/2029 00:00:00	♁	09°22'49" ♀	-13°41'21"	00°58'37"	00°13'07"	6.416
07/11/2029 00:00:00	♁	22°03'37" ♀	15°53'12"	-02°28'32"	-00°04'49"	8.151
07/11/2029 00:00:00	♁	17°45'29" ♀	22°53'59"	00°01'41"	-00°02'00"	18.391
07/11/2029 00:00:00	♁	08°48'49" ♀	02°04'48"	-01°32'15"	-00°01'16"	29.050
07/11/2029 00:00:00	♁	08°06'44" ♀	-23°44'26"	o-05°42'22"	00°00'28"	36.508



Ephemerides year 2029

07/11/2029 00:00:00	♏	26°07'30" ♃r	-23°22'42"	00°00'00"	-00°03'47"	0.002
07/11/2029 00:00:00	♋	10°01'57" ♃r	13°32'03"	-01°21'23"	-00°02'55"	16.341
07/11/2029 00:00:00	♋	08°02'51" ♃	17°54'04"	03°55'37"	00°06'41"	0.003
07/11/2029 00:00:00	T♏	26°07'30" ♃r	-23°22'42"	00°00'00"	-00°03'47"	0.002
07/11/2029 00:00:00	T♋	08°43'58" ♃r	18°00'42"	03°48'24"	-01°58'44"	0.003
07/11/2029 00:00:00	X	25°54'57" ♃r	00°47'24"	-09°52'53"	-00°00'34"	94.250
07/11/2029 00:00:00	Y	04°07'29" ♃r	09°14'52"	-11°54'53"	-00°00'35"	81.151
08/11/2029 00:00:00	♁	15°52'00" ♃	-16°35'08"	-00°00'00"	01°00'15"	0.991
08/11/2029 00:00:00	♃	11°31'44" ♃	-23°27'11"	o-01°18'13"	14°53'11"	0.002
08/11/2029 00:00:00	♋	20°44'10" ♃	-18°24'24"	-00°29'24"	01°34'51"	1.441
08/11/2029 00:00:00	♋	02°13'45" ♃	-27°18'45"	o-03°53'48"	00°54'19"	0.580
08/11/2029 00:00:00	♋	02°58'52" ♃	-24°44'04"	o-01°19'59"	00°45'06"	1.871
08/11/2029 00:00:00	♃	09°35'57" ♃	-13°45'31"	00°58'35"	00°13'06"	6.414
08/11/2029 00:00:00	♃	21°58'47" ♃r	15°51'59"	-02°28'31"	-00°04'50"	8.149
08/11/2029 00:00:00	♃	17°43'28" ♃r	22°53'48"	00°01'42"	-00°02'02"	18.381
08/11/2029 00:00:00	♋	08°47'34" ♃r	02°04'20"	-01°32'13"	-00°01'14"	29.060
08/11/2029 00:00:00	♃	08°07'14" ♃	-23°44'13"	o-05°42'17"	00°00'30"	36.526
08/11/2029 00:00:00	♏	26°04'44" ♃r	-23°22'37"	00°00'00"	-00°01'46"	0.002
08/11/2029 00:00:00	♋	09°59'01" ♃r	13°31'04"	-01°21'27"	-00°02'55"	16.342

Ephemerides year 2029

08/11/2029 00:00:00	☾	08°09'33" ♉	17°55'44"	03°55'03"	00°06'41"	0.003
08/11/2029 00:00:00	♄	26°04'44" ♉	-23°22'37"	00°00'00"	-00°01'46"	0.002
08/11/2029 00:00:00	♄	06°34'40" ♉	17°25'38"	03°56'26"	-02°21'07"	0.003
08/11/2029 00:00:00	X	25°54'23" ♉	00°47'16"	-09°52'49"	-00°00'33"	94.256
08/11/2029 00:00:00	Y	04°06'53" ♉	09°14'43"	-11°54'55"	-00°00'36"	81.145
09/11/2029 00:00:00	☉	16°52'17" ♉	-16°52'24"	-00°00'00"	01°00'16"	0.991
09/11/2029 00:00:00	☾	26°13'27" ♉	-23°22'00"	00°00'52"	14°29'23"	0.002
09/11/2029 00:00:00	♀	22°18'50" ♉	-18°55'26"	-00°35'56"	01°34'29"	1.440
09/11/2029 00:00:00	♀	03°07'47" ♉	-27°17'42"	o-03°53'52"	00°53'44"	0.572
09/11/2029 00:00:00	♂	03°44'00" ♉	-24°42'56"	o-01°20'00"	00°45'10"	1.875
09/11/2029 00:00:00	♃	09°49'03" ♉	-13°49'40"	00°58'34"	00°13'06"	6.412
09/11/2029 00:00:00	♃	21°53'56" ♉	15°50'46"	-02°28'29"	-00°04'51"	8.148
09/11/2029 00:00:00	♃	17°41'24" ♉	22°53'38"	00°01'42"	-00°02'04"	18.373
09/11/2029 00:00:00	♃	08°46'20" ♉	02°03'52"	-01°32'12"	-00°01'13"	29.071
09/11/2029 00:00:00	♃	08°07'45" ♉	-23°44'00"	o-05°42'12"	00°00'32"	36.544
09/11/2029 00:00:00	♄	26°03'53" ♉	-23°22'36"	00°00'00"	00°00'01"	0.002
09/11/2029 00:00:00	♃	09°56'06" ♉	13°30'04"	-01°21'32"	-00°02'54"	16.343
09/11/2029 00:00:00	☾	08°16'14" ♉	17°57'23"	03°54'28"	00°06'41"	0.003
09/11/2029 00:00:00	♄	26°03'53" ♉	-23°22'36"	00°00'00"	00°00'01"	0.002

Ephemerides year 2029

09/11/2029 00:00:00	T♄	04°02'03" ♉	16°42'31"	04°05'33"	-02°42'22"	0.003
09/11/2029 00:00:00	X	25°53'50" ♉	00°47'08"	-09°52'44"	-00°00'33"	94.262
09/11/2029 00:00:00	Y	04°06'16" ♉	09°14'34"	-11°54'58"	-00°00'36"	81.140
10/11/2029 00:00:00	☉	17°52'34" ♍	-17°09'23"	00°00'00"	01°00'18"	0.990
10/11/2029 00:00:00	☾	10°29'23" ♎	-21°43'42"	01°17'46"	14°02'11"	0.002
10/11/2029 00:00:00	♀	23°53'08" ♍	-19°25'31"	-00°42'24"	01°34'08"	1.437
10/11/2029 00:00:00	♀	04°01'13" ♎	-27°16'05"	♁-03°53'45"	00°53'06"	0.565
10/11/2029 00:00:00	♂	04°29'12" ♎	-24°41'31"	♁-01°20'01"	00°45'13"	1.879
10/11/2029 00:00:00	♃	10°02'09" ♍	-13°53'48"	00°58'33"	00°13'05"	6.409
10/11/2029 00:00:00	♅	21°49'04" ♉	15°49'33"	-02°28'28"	-00°04'52"	8.146
10/11/2029 00:00:00	♁	17°39'19" ♉	22°53'27"	00°01'43"	-00°02'06"	18.364
10/11/2029 00:00:00	♃	08°45'07" ♉	02°03'25"	-01°32'10"	-00°01'12"	29.082
10/11/2029 00:00:00	♁	08°08'18" ♎	-23°43'46"	♁-05°42'07"	00°00'33"	36.561
10/11/2029 00:00:00	♁	26°04'34" ♎	-23°22'37"	00°00'00"	00°01'12"	0.002
10/11/2029 00:00:00	♃	09°53'12" ♉	13°29'06"	-01°21'36"	-00°02'54"	16.345
10/11/2029 00:00:00	♄	08°22'56" ♉	17°59'01"	03°53'53"	00°06'41"	0.003
10/11/2029 00:00:00	T♁	26°04'34" ♎	-23°22'37"	00°00'00"	00°01'12"	0.002
10/11/2029 00:00:00	T♄	01°16'14" ♉	15°53'36"	04°14'54"	-02°44'56"	0.003
10/11/2029 00:00:00	X	25°53'16" ♉	00°47'00"	-09°52'40"	-00°00'33"	94.268

Ephemerides year 2029

10/11/2029 00:00:00	Y	04°05'40" ♀	09°14'25"	-11°55'00"	-00°00'36"	81.135
11/11/2029 00:00:00	☉	18°52'54" ♎	-17°26'04"	00°00'00"	01°00'19"	0.990
11/11/2029 00:00:00	☾	24°17'42" ♎	-18°49'43"	02°27'43"	13°34'33"	0.003
11/11/2029 00:00:00	♀	25°27'07" ♎	-19°54'39"	-00°48'46"	01°33'48"	1.435
11/11/2029 00:00:00	♀	04°54'00" ♎	-27°13'57"	o-03°53'26"	00°52'27"	0.557
11/11/2029 00:00:00	♂	05°14'28" ♎	-24°39'51"	o-01°20'01"	00°45'17"	1.883
11/11/2029 00:00:00	♃	10°15'14" ♎	-13°57'55"	00°58'32"	00°13'04"	6.407
11/11/2029 00:00:00	♅	21°44'11" ♎	15°48'21"	-02°28'26"	-00°04'52"	8.145
11/11/2029 00:00:00	♁	17°37'11" ♎	22°53'15"	00°01'43"	-00°02'08"	18.356
11/11/2029 00:00:00	♃	08°43'55" ♎	02°02'59"	-01°32'08"	-00°01'10"	29.093
11/11/2029 00:00:00	♁	08°08'52" ♎	-23°43'32"	o-05°42'02"	00°00'35"	36.579
11/11/2029 00:00:00	♁	26°06'02" ♎	-23°22'40"	00°00'00"	00°01'34"	0.002
11/11/2029 00:00:00	♃	09°50'18" ♎	13°28'07"	-01°21'40"	-00°02'53"	16.347
11/11/2029 00:00:00	♁	08°29'37" ♎	18°00'40"	03°53'19"	00°06'41"	0.003
11/11/2029 00:00:00	T♁	26°06'02" ♎	-23°22'40"	00°00'00"	00°01'34"	0.002
11/11/2029 00:00:00	T♃	28°41'47" ♎	15°06'10"	04°23'03"	-02°19'11"	0.003
11/11/2029 00:00:00	X	25°52'43" ♎	00°46'53"	-09°52'35"	-00°00'33"	94.275
11/11/2029 00:00:00	Y	04°05'03" ♀	09°14'17"	-11°55'03"	-00°00'36"	81.129
12/11/2029 00:00:00	☉	19°53'14" ♎	-17°42'27"	00°00'00"	01°00'21"	0.990

Ephemerides year 2029

12/11/2029 00:00:00	♃	07°39'09" ♁	-15°00'42"	03°27'17"	13°08'46"	0.003
12/11/2029 00:00:00	♆	27°00'46" ♃	-20°22'48"	-00°55'02"	01°33'29"	1.432
12/11/2029 00:00:00	♀	05°46'07" ♁	-27°11'16" ○	-03°52'56"	00°51'46"	0.550
12/11/2029 00:00:00	♂	05°59'47" ♁	-24°37'54" ○	-01°20'01"	00°45'20"	1.888
12/11/2029 00:00:00	♃	10°28'19" ♃	-14°02'01"	00°58'31"	00°13'03"	6.404
12/11/2029 00:00:00	♄	21°39'18" ♄	15°47'08"	-02°28'23"	-00°04'53"	8.145
12/11/2029 00:00:00	♃	17°35'02" ♃	22°53'04"	00°01'44"	-00°02'09"	18.347
12/11/2029 00:00:00	♃	08°42'45" ♃	02°02'33"	-01°32'06"	-00°01'09"	29.105
12/11/2029 00:00:00	♃	08°09'28" ♁	-23°43'18" ○	-05°41'57"	00°00'36"	36.597
12/11/2029 00:00:00	♄	26°07'27" ♄	-23°22'42"	00°00'00"	00°01'08"	0.002
12/11/2029 00:00:00	♄	09°47'25" ♄	13°27'09"	-01°21'45"	-00°02'52"	16.349
12/11/2029 00:00:00	♄	08°36'19" ♄	18°02'18"	03°52'44"	00°06'41"	0.003
12/11/2029 00:00:00	♄	26°07'27" ♄	-23°22'42"	00°00'00"	00°01'08"	0.002
12/11/2029 00:00:00	♄	26°45'56" ♃	14°29'26"	04°28'47"	-01°29'32"	0.003
12/11/2029 00:00:00	X	25°52'10" ♃	00°46'46"	-09°52'31"	-00°00'32"	94.281
12/11/2029 00:00:00	Y	04°04'26" ♃	09°14'09"	-11°55'05"	-00°00'37"	81.125
13/11/2029 00:00:00	♃	20°53'36" ♃	-17°58'32"	00°00'00"	01°00'22"	0.990
13/11/2029 00:00:00	♃	20°36'20" ♁	-10°35'49"	04°14'20"	12°46'14"	0.003
13/11/2029 00:00:00	♆	28°34'06" ♃	-20°49'56"	-01°01'12"	01°33'11"	1.428

Ephemerides year 2029

13/11/2029 00:00:00	♀	06°37'33" ♍	-27°08'05" ♁	-03°52'13"	00°51'04"	0.542
13/11/2029 00:00:00	♂	06°45'09" ♍	-24°35'41" ♁	-01°20'00"	00°45'24"	1.892
13/11/2029 00:00:00	♃	10°41'22" ♎	-14°06'05"	00°58'30"	00°13'02"	6.401
13/11/2029 00:00:00	♅	21°34'25" ♉	15°45'55"	-02°28'20"	-00°04'53"	8.144
13/11/2029 00:00:00	♁	17°32'52" ♉	22°52'53"	00°01'45"	-00°02'11"	18.340
13/11/2029 00:00:00	♃	08°41'37" ♉	02°02'07"	-01°32'05"	-00°01'07"	29.116
13/11/2029 00:00:00	♁	08°10'06" ♉	-23°43'03" ♁	-05°41'52"	00°00'38"	36.614
13/11/2029 00:00:00	♁	26°08'05" ♉	-23°22'43"	00°00'00"	00°00'01"	0.002
13/11/2029 00:00:00	♃	09°44'32" ♉	13°26'11"	-01°21'49"	-00°02'52"	16.351
13/11/2029 00:00:00	♁	08°43'00" ♉	18°03'56"	03°52'09"	00°06'41"	0.003
13/11/2029 00:00:00	♁	26°08'05" ♉	-23°22'43"	00°00'00"	00°00'01"	0.002
13/11/2029 00:00:00	♁	25°46'07" ♉	14°10'05"	04°31'34"	-00°29'35"	0.003
13/11/2029 00:00:00	X	25°51'37" ♉	00°46'38"	-09°52'26"	-00°00'32"	94.288
13/11/2029 00:00:00	Y	04°03'49" ♉	09°14'00"	-11°55'06"	-00°00'37"	81.120
14/11/2029 00:00:00	♁	21°53'59" ♎	-18°14'18"	00°00'00"	01°00'23"	0.989
14/11/2029 00:00:00	♃	03°12'58" ♉	-05°50'54"	04°47'42"	12°27'41"	0.003
14/11/2029 00:00:00	♃	00°07'08" ♉	-21°16'03"	-01°07'15"	01°32'53"	1.423
14/11/2029 00:00:00	♀	07°28'15" ♍	-27°04'23" ♁	-03°51'17"	00°50'19"	0.535
14/11/2029 00:00:00	♂	07°30'35" ♍	-24°33'12" ♁	-01°19'59"	00°45'27"	1.896

Ephemerides year 2029

14/11/2029 00:00:00	♃	10°54'25" ♎	-14°10'09"	00°58'29"	00°13'01"	6.397
14/11/2029 00:00:00	♅	21°29'31" ♉	15°44'43"	-02°28'17"	-00°04'53"	8.144
14/11/2029 00:00:00	♁	17°30'39" ♋	22°52'41"	00°01'45"	-00°02'13"	18.332
14/11/2029 00:00:00	♆	08°40'29" ♏	02°01'43"	-01°32'03"	-00°01'06"	29.128
14/11/2029 00:00:00	♁	08°10'45" ♋	-23°42'48"	o-05°41'47"	00°00'40"	36.632
14/11/2029 00:00:00	♁	26°07'23" ♉	-23°22'42"	00°00'00"	-00°01'28"	0.002
14/11/2029 00:00:00	♆	09°41'41" ♉	13°25'13"	-01°21'53"	-00°02'51"	16.354
14/11/2029 00:00:00	♁	08°49'42" ♉	18°05'33"	03°51'34"	00°06'41"	0.003
14/11/2029 00:00:00	♁	26°07'23" ♉	-23°22'42"	00°00'00"	-00°01'28"	0.002
14/11/2029 00:00:00	♁	25°45'39" ♏	14°09'52"	04°31'32"	00°27'14"	0.003
14/11/2029 00:00:00	X	25°51'05" ♏	00°46'31"	-09°52'21"	-00°00'32"	94.296
14/11/2029 00:00:00	Y	04°03'11" ♋	09°13'52"	-11°55'08"	-00°00'37"	81.116
15/11/2029 00:00:00	♁	22°54'24" ♎	-18°29'44"	00°00'00"	01°00'25"	0.989
15/11/2029 00:00:00	♁	15°33'06" ♋	-00°58'33"	05°06'54"	12°13'16"	0.003
15/11/2029 00:00:00	♆	01°39'53" ♉	-21°41'07"	-01°13'10"	01°32'36"	1.419
15/11/2029 00:00:00	♁	08°18'11" ♉	-27°00'11"	o-03°50'08"	00°49'33"	0.527
15/11/2029 00:00:00	♁	08°16'04" ♉	-24°30'26"	o-01°19'57"	00°45'30"	1.900
15/11/2029 00:00:00	♃	11°07'26" ♎	-14°14'11"	00°58'28"	00°13'00"	6.394
15/11/2029 00:00:00	♅	21°24'38" ♉	15°43'31"	-02°28'14"	-00°04'53"	8.145

Ephemerides year 2029

15/11/2029 00:00:00	♃	17°28'25" ♀r	22°52'29"	00°01'46"	-00°02'14"	18.325
15/11/2029 00:00:00	♃	08°39'24" ♀r	02°01'19"	-01°32'01"	-00°01'04"	29.140
15/11/2029 00:00:00	♃	08°11'26" ♀r	-23°42'32"	o-05°41'43"	00°00'41"	36.649
15/11/2029 00:00:00	♃	26°05'06" ♀r	-23°22'38"	00°00'00"	-00°03'03"	0.002
15/11/2029 00:00:00	♃	09°38'50" ♀r	13°24'15"	-01°21'57"	-00°02'50"	16.357
15/11/2029 00:00:00	♃	08°56'23" ♀r	18°07'10"	03°50'59"	00°06'41"	0.003
15/11/2029 00:00:00	♃	26°05'06" ♀r	-23°22'38"	00°00'00"	-00°03'03"	0.002
15/11/2029 00:00:00	♃	26°36'49" ♀r	14°26'22"	04°29'03"	01°12'51"	0.003
15/11/2029 00:00:00	X	25°50'33" ♀r	00°46'25"	-09°52'16"	-00°00'32"	94.303
15/11/2029 00:00:00	Y	04°02'33" ♀r	09°13'44"	-11°55'10"	-00°00'37"	81.112
16/11/2029 00:00:00	♃	23°54'50" ♀r	-18°44'51"	00°00'00"	01°00'26"	0.989
16/11/2029 00:00:00	♃	27°40'49" ♀r	03°50'55"	05°11'59"	12°02'47"	0.003
16/11/2029 00:00:00	♃	03°12'21" ♀r	-22°05'07"	-01°18'57"	01°32'20"	1.413
16/11/2029 00:00:00	♃	09°07'21" ♀r	-26°55'30"	o-03°48'46"	00°48'45"	0.520
16/11/2029 00:00:00	♃	09°01'37" ♀r	-24°27'25"	o-01°19'55"	00°45'34"	1.904
16/11/2029 00:00:00	♃	11°20'26" ♀r	-14°18'13"	00°58'28"	00°12'59"	6.390
16/11/2029 00:00:00	♃	21°19'45" ♀r	15°42'19"	-02°28'10"	-00°04'52"	8.145
16/11/2029 00:00:00	♃	17°26'10" ♀r	22°52'17"	00°01'47"	-00°02'16"	18.318
16/11/2029 00:00:00	♃	08°38'20" ♀r	02°00'55"	-01°31'59"	-00°01'03"	29.153



Ephemerides year 2029

16/11/2029 00:00:00	♁	08°12'09" ♁	-23°42'16" ♁	-05°41'38"	00°00'43"	36.666
16/11/2029 00:00:00	♁	26°01'20" ♁	-23°22'31"	00°00'00"	-00°04'25"	0.002
16/11/2029 00:00:00	♁	09°36'00" ♁	13°23'18"	-01°22'00"	-00°02'49"	16.360
16/11/2029 00:00:00	♁	09°03'04" ♁	18°08'47"	03°50'23"	00°06'41"	0.003
16/11/2029 00:00:00	♁	26°01'20" ♁	-23°22'31"	00°00'00"	-00°04'25"	0.002
16/11/2029 00:00:00	♁	28°06'42" ♁	14°54'58"	04°24'38"	01°44'37"	0.003
16/11/2029 00:00:00	X	25°50'01" ♁	00°46'18"	-09°52'11"	-00°00'31"	94.311
16/11/2029 00:00:00	Y	04°01'55" ♁	09°13'36"	-11°55'11"	-00°00'38"	81.109
17/11/2029 00:00:00	♁	24°55'17" ♁	-18°59'39"	00°00'00"	01°00'27"	0.989
17/11/2029 00:00:00	♁	09°39'51" ♁	08°28'25"	05°03'18"	11°55'48"	0.003
17/11/2029 00:00:00	♁	04°44'34" ♁	-22°28'01"	-01°24'34"	01°32'04"	1.407
17/11/2029 00:00:00	♁	09°55'41" ♁	-26°50'20" ♁	-03°47'09"	00°47'54"	0.513
17/11/2029 00:00:00	♁	09°47'12" ♁	-24°24'07" ♁	-01°19'52"	00°45'37"	1.908
17/11/2029 00:00:00	♁	11°33'25" ♁	-14°22'13"	00°58'27"	00°12'58"	6.386
17/11/2029 00:00:00	♁	21°14'52" ♁	15°41'07"	-02°28'06"	-00°04'52"	8.146
17/11/2029 00:00:00	♁	17°23'53" ♁	22°52'05"	00°01'47"	-00°02'17"	18.311
17/11/2029 00:00:00	♁	08°37'17" ♁	02°00'33"	-01°31'57"	-00°01'01"	29.165
17/11/2029 00:00:00	♁	08°12'53" ♁	-23°42'00" ♁	-05°41'33"	00°00'44"	36.683
17/11/2029 00:00:00	♁	25°56'24" ♁	-23°22'22"	00°00'00"	-00°05'19"	0.002

Ephemerides year 2029

17/11/2029 00:00:00	♄	09°33'11" ♎r	13°22'21"	-01°22'04"	-00°02'48"	16.364
17/11/2029 00:00:00	♁	09°09'45" ♎	18°10'23"	03°49'48"	00°06'41"	0.003
17/11/2029 00:00:00	♄♁	25°56'24" ♎r	-23°22'22"	00°00'00"	-00°05'19"	0.002
17/11/2029 00:00:00	♁♁	00°01'53" ♎	15°30'51"	04°18'45"	02°03'56"	0.003
17/11/2029 00:00:00	X	25°49'29" ♎r	00°46'12"	-09°52'06"	-00°00'31"	94.319
17/11/2029 00:00:00	Y	04°01'17" ♎r	09°13'28"	-11°55'13"	-00°00'38"	81.105
18/11/2029 00:00:00	♁	25°55'46" ♎	-19°14'05"	00°00'00"	01°00'29"	0.989
18/11/2029 00:00:00	♃	21°33'27" ♎	12°45'03"	04°41'35"	11°51'51"	0.003
18/11/2029 00:00:00	♁	06°16'31" ♎	-22°49'48"	-01°30'01"	01°31'49"	1.401
18/11/2029 00:00:00	♁	10°43'10" ♎	-26°44'43"	♁-03°45'19"	00°47'02"	0.505
18/11/2029 00:00:00	♁	10°32'51" ♎	-24°20'32"	♁-01°19'49"	00°45'40"	1.912
18/11/2029 00:00:00	♁	11°46'23" ♎	-14°26'11"	00°58'27"	00°12'57"	6.382
18/11/2029 00:00:00	♁	21°10'00" ♎r	15°39'56"	-02°28'01"	-00°04'51"	8.148
18/11/2029 00:00:00	♁	17°21'34" ♎r	22°51'52"	00°01'48"	-00°02'19"	18.305
18/11/2029 00:00:00	♁	08°36'16" ♎r	02°00'10"	-01°31'55"	-00°01'00"	29.178
18/11/2029 00:00:00	♁	08°13'38" ♎	-23°41'43"	♁-05°41'28"	00°00'46"	36.700
18/11/2029 00:00:00	♁	25°50'52" ♎r	-23°22'12"	00°00'00"	-00°05'38"	0.002
18/11/2029 00:00:00	♄	09°30'23" ♎r	13°21'25"	-01°22'08"	-00°02'47"	16.368
18/11/2029 00:00:00	♁	09°16'27" ♎	18°12'00"	03°49'12"	00°06'41"	0.003

Ephemerides year 2029

18/11/2029 00:00:00	T♄	25°50'52" ♏	-23°22'12"	00°00'00"	-00°05'38"	0.002
18/11/2029 00:00:00	T♄	02°11'55" ♏	16°10'15"	04°11'49"	02°15'17"	0.003
18/11/2029 00:00:00	X	25°48'58" ♏	00°46'06"	-09°52'01"	-00°00'31"	94.328
18/11/2029 00:00:00	Y	04°00'39" ♏	09°13'20"	-11°55'14"	-00°00'38"	81.102
19/11/2029 00:00:00	♁	26°56'16" ♏	-19°28'11"	00°00'00"	01°00'30"	0.988
19/11/2029 00:00:00	♂	03°24'23" ♏	16°31'40"	04°07'48"	11°50'24"	0.003
19/11/2029 00:00:00	♀	07°48'13" ♏	-23°10'28"	-01°35'18"	01°31'34"	1.393
19/11/2029 00:00:00	♀	11°29'46" ♏	-26°38'39"	o-03°43'14"	00°46'08"	0.498
19/11/2029 00:00:00	♂	11°18'34" ♏	-24°16'42"	o-01°19'45"	00°45'43"	1.916
19/11/2029 00:00:00	♃	11°59'19" ♏	-14°30'09"	00°58'27"	00°12'55"	6.377
19/11/2029 00:00:00	♃	21°05'09" ♏	15°38'45"	-02°27'56"	-00°04'50"	8.149
19/11/2029 00:00:00	♃	17°19'15" ♏	22°51'40"	00°01'49"	-00°02'20"	18.299
19/11/2029 00:00:00	♃	08°35'17" ♏	01°59'49"	-01°31'53"	-00°00'58"	29.191
19/11/2029 00:00:00	♃	08°14'26" ♏	-23°41'26"	o-05°41'24"	00°00'48"	36.717
19/11/2029 00:00:00	♁	25°45'21" ♏	-23°22'01"	00°00'00"	-00°05'19"	0.002
19/11/2029 00:00:00	♃	09°27'36" ♏	13°20'29"	-01°22'11"	-00°02'46"	16.372
19/11/2029 00:00:00	♃	09°23'08" ♏	18°13'35"	03°48'37"	00°06'41"	0.003
19/11/2029 00:00:00	T♄	25°45'21" ♏	-23°22'01"	00°00'00"	-00°05'19"	0.002
19/11/2029 00:00:00	T♄	04°32'02" ♏	16°51'21"	04°04'00"	02°25'23"	0.003

Ephemerides year 2029

19/11/2029 00:00:00	X	25°48'27" ♏	00°46'00"	-09°51'55"	-00°00'30"	94.336
19/11/2029 00:00:00	Y	04°00'01" ♏	09°13'13"	-11°55'15"	-00°00'38"	81.100
20/11/2029 00:00:00	☉	27°56'47" ♏	-19°41'56"	00°00'00"	01°00'32"	0.988
20/11/2029 00:00:00	☾	15°14'58" ♏	19°38'42"	03°23'21"	11°51'03"	0.003
20/11/2029 00:00:00	♀	09°19'40" ♏	-23°29'57"	o-01°40'23"	01°31'19"	1.386
20/11/2029 00:00:00	♀	12°15'26" ♏	-26°32'09"	o-03°40'53"	00°45'11"	0.491
20/11/2029 00:00:00	♂	12°04'19" ♏	-24°12'35"	o-01°19'41"	00°45'46"	1.920
20/11/2029 00:00:00	♃	12°12'14" ♏	-14°34'05"	00°58'27"	00°12'54"	6.373
20/11/2029 00:00:00	♅	21°00'18" ♏	15°37'35"	-02°27'51"	-00°04'49"	8.151
20/11/2029 00:00:00	♁	17°16'54" ♏	22°51'27"	00°01'49"	-00°02'21"	18.293
20/11/2029 00:00:00	♃	08°34'19" ♏	01°59'28"	-01°31'51"	-00°00'56"	29.204
20/11/2029 00:00:00	♁	08°15'15" ♏	-23°41'09"	o-05°41'19"	00°00'49"	36.734
20/11/2029 00:00:00	♁	25°40'24" ♏	-23°21'52"	00°00'00"	-00°04'28"	0.003
20/11/2029 00:00:00	♁	09°24'51" ♏	13°19'33"	-01°22'15"	-00°02'44"	16.376
20/11/2029 00:00:00	♁	09°29'49" ♏	18°15'11"	03°48'01"	00°06'41"	0.003
20/11/2029 00:00:00	T♁	25°40'24" ♏	-23°21'52"	00°00'00"	-00°04'28"	0.003
20/11/2029 00:00:00	T♁	07°04'44" ♏	17°34'24"	03°55'07"	02°41'30"	0.003
20/11/2029 00:00:00	X	25°47'56" ♏	00°45'54"	-09°51'50"	-00°00'30"	94.345
20/11/2029 00:00:00	Y	03°59'22" ♏	09°13'05"	-11°55'15"	-00°00'38"	81.097

Ephemerides year 2029

21/11/2029 00:00:00	♁	28°57'20"	♍	-19°55'20"	00°00'00"	01°00'33"	0.988
21/11/2029 00:00:00	♂	27°07'08"	♄	21°56'33"	02°29'54"	11°53'35"	0.003
21/11/2029 00:00:00	♀	10°50'51"	♃	-23°48'16"	♁-01°45'17"	01°31'04"	1.378
21/11/2029 00:00:00	♀	13°00'08"	♄	-26°25'13"	♁-03°38'17"	00°44'12"	0.483
21/11/2029 00:00:00	♂	12°50'07"	♄	-24°08'12"	♁-01°19'37"	00°45'49"	1.924
21/11/2029 00:00:00	♃	12°25'08"	♍	-14°38'00"	00°58'27"	00°12'52"	6.368
21/11/2029 00:00:00	♃	20°55'29"	♄	15°36'25"	-02°27'46"	-00°04'48"	8.153
21/11/2029 00:00:00	♃	17°14'32"	♄	22°51'14"	00°01'50"	-00°02'22"	18.287
21/11/2029 00:00:00	♃	08°33'23"	♄	01°59'08"	-01°31'48"	-00°00'55"	29.217
21/11/2029 00:00:00	♃	08°16'05"	♄	-23°40'51"	♁-05°41'15"	00°00'51"	36.751
21/11/2029 00:00:00	♁	25°36'31"	♄	-23°21'44"	00°00'00"	-00°03'14"	0.003
21/11/2029 00:00:00	♃	09°22'06"	♄	13°18'38"	-01°22'18"	-00°02'43"	16.381
21/11/2029 00:00:00	♃	09°36'30"	♄	18°16'46"	03°47'25"	00°06'41"	0.003
21/11/2029 00:00:00	T♁	25°36'31"	♄	-23°21'44"	00°00'00"	-00°03'14"	0.003
21/11/2029 00:00:00	T♃	09°58'24"	♄	18°21'03"	03°44'30"	03°07'26"	0.003
21/11/2029 00:00:00	X	25°47'26"	♄	00°45'48"	-09°51'44"	-00°00'29"	94.354
21/11/2029 00:00:00	Y	03°58'44"	♄	09°12'58"	-11°55'16"	-00°00'38"	81.095
22/11/2029 00:00:00	♁	29°57'55"	♍	-20°08'22"	00°00'00"	01°00'35"	0.988
22/11/2029 00:00:00	♂	09°02'43"	♄	23°16'38"	01°29'34"	11°57'52"	0.003

Ephemerides year 2029

22/11/2029 00:00:00	♀	12°21'48" ♄	-24°05'22" ♁	-01°49'57"	01°30'48"	1.369
22/11/2029 00:00:00	♀	13°43'50" ♄	-26°17'53" ♁	-03°35'25"	00°43'11"	0.476
22/11/2029 00:00:00	♂	13°35'58" ♄	-24°03'33" ♁	-01°19'32"	00°45'52"	1.928
22/11/2029 00:00:00	♃	12°38'00" ♃	-14°41'54"	00°58'27"	00°12'51"	6.363
22/11/2029 00:00:00	♃	20°50'41" ♃	15°35'16"	-02°27'40"	-00°04'47"	8.156
22/11/2029 00:00:00	♃	17°12'09" ♃	22°51'01"	00°01'50"	-00°02'23"	18.282
22/11/2029 00:00:00	♃	08°32'29" ♃	01°58'49"	-01°31'46"	-00°00'53"	29.231
22/11/2029 00:00:00	♃	08°16'57" ♃	-23°40'32" ♁	-05°41'10"	00°00'52"	36.768
22/11/2029 00:00:00	♃	25°33'59" ♃	-23°21'39"	00°00'00"	-00°01'49"	0.002
22/11/2029 00:00:00	♃	09°19'24" ♃	13°17'44"	-01°22'21"	-00°02'41"	16.386
22/11/2029 00:00:00	♃	09°43'12" ♃	18°18'21"	03°46'49"	00°06'41"	0.003
22/11/2029 00:00:00	T♃	25°33'59" ♃	-23°21'39"	00°00'00"	-00°01'49"	0.002
22/11/2029 00:00:00	T♃	13°21'52" ♃	19°12'16"	03°31'21"	03°39'53"	0.003
22/11/2029 00:00:00	X	25°46'57" ♃	00°45'43"	-09°51'39"	-00°00'29"	94.364
22/11/2029 00:00:00	Y	03°58'05" ♃	09°12'51"	-11°55'17"	-00°00'38"	81.093
23/11/2029 00:00:00	♁	00°58'31" ♄	-20°21'02"	-00°00'00"	01°00'36"	0.988
23/11/2029 00:00:00	♁	21°03'31" ♃	23°32'40" ♁	00°24'42"	12°04'02"	0.003
23/11/2029 00:00:00	♀	13°52'28" ♄	-24°21'15" ♁	-01°54'23"	01°30'32"	1.359
23/11/2029 00:00:00	♀	14°26'29" ♄	-26°10'10" ♁	-03°32'16"	00°42'07"	0.469

Ephemerides year 2029

23/11/2029 00:00:00	♂	14°21'53" ♉	-23°58'38" ♁	-01°19'26"	00°45'55"	1.932
23/11/2029 00:00:00	♃	12°50'50" ♎	-14°45'47"	00°58'27"	00°12'49"	6.358
23/11/2029 00:00:00	♅	20°45'54" ♊	15°34'07"	-02°27'34"	-00°04'45"	8.158
23/11/2029 00:00:00	♁	17°09'44" ♉	22°50'47"	00°01'51"	-00°02'24"	18.277
23/11/2029 00:00:00	♃	08°31'37" ♎	01°58'30"	-01°31'44"	-00°00'51"	29.245
23/11/2029 00:00:00	♁	08°17'51" ♉	-23°40'14" ♁	-05°41'06"	00°00'54"	36.785
23/11/2029 00:00:00	♁	25°32'51" ♉	-23°21'36"	00°00'00"	-00°00'27"	0.002
23/11/2029 00:00:00	♃	09°16'42" ♎	13°16'50"	-01°22'24"	-00°02'40"	16.392
23/11/2029 00:00:00	♁	09°49'53" ♉	18°19'56"	03°46'13"	00°06'41"	0.003
23/11/2029 00:00:00	♁♁	25°32'51" ♉	-23°21'36"	00°00'00"	-00°00'27"	0.002
23/11/2029 00:00:00	♁♁	17°17'03" ♉	20°06'34"	03°15'13"	04°08'52"	0.003
23/11/2029 00:00:00	X	25°46'27" ♎	00°45'38"	-09°51'33"	-00°00'29"	94.373
23/11/2029 00:00:00	Y	03°57'27" ♉	09°12'44"	-11°55'17"	-00°00'38"	81.092
24/11/2029 00:00:00	♁	01°59'09" ♉	-20°33'19"	-00°00'00"	01°00'38"	0.987
24/11/2029 00:00:00	♁	03°11'31" ♉	22°41'46"	-00°42'02"	12°12'19"	0.003
24/11/2029 00:00:00	♁	15°22'52" ♉	-24°35'53" ♁	-01°58'35"	01°30'15"	1.349
24/11/2029 00:00:00	♀	15°08'03" ♉	-26°02'04" ♁	-03°28'50"	00°41'00"	0.462
24/11/2029 00:00:00	♂	15°07'50" ♉	-23°53'26" ♁	-01°19'20"	00°45'58"	1.936
24/11/2029 00:00:00	♃	13°03'39" ♎	-14°49'38"	00°58'27"	00°12'47"	6.352

Ephemerides year 2029

24/11/2029 00:00:00	♃	20°41'09" ♄r	15°32'59"	-02°27'27"	-00°04'44"	8.162
24/11/2029 00:00:00	♃	17°07'19" ♄r	22°50'34"	00°01'52"	-00°02'25"	18.272
24/11/2029 00:00:00	♃	08°30'46" ♄r	01°58'12"	-01°31'42"	-00°00'49"	29.258
24/11/2029 00:00:00	♃	08°18'46" ♄	-23°39'55" ♁	-05°41'01"	00°00'55"	36.801
24/11/2029 00:00:00	♁	25°33'00" ♄	-23°21'37"	00°00'00"	00°00'40"	0.002
24/11/2029 00:00:00	♃	09°14'03" ♄r	13°15'56"	-01°22'28"	-00°02'38"	16.397
24/11/2029 00:00:00	♃	09°56'34" ♄	18°21'31"	03°45'37"	00°06'41"	0.003
24/11/2029 00:00:00	♁	25°33'00" ♄	-23°21'37"	00°00'00"	00°00'40"	0.002
24/11/2029 00:00:00	♃	21°34'37" ♄	20°59'35"	02°56'28"	04°22'57"	0.003
24/11/2029 00:00:00	X	25°45'58" ♄r	00°45'33"	-09°51'27"	-00°00'28"	94.383
24/11/2029 00:00:00	Y	03°56'48" ♄r	09°12'37"	-11°55'17"	-00°00'38"	81.091
25/11/2029 00:00:00	♁	02°59'48" ♄	-20°45'13"	-00°00'00"	01°00'39"	0.987
25/11/2029 00:00:00	♃	15°28'59" ♁	20°45'08"	-01°47'46"	12°23'03"	0.003
25/11/2029 00:00:00	♃	16°52'59" ♄	-24°49'14" ♁	-02°02'30"	01°29'57"	1.339
25/11/2029 00:00:00	♃	15°48'30" ♄	-25°53'36" ♁	-03°25'06"	00°39'51"	0.455
25/11/2029 00:00:00	♃	15°53'50" ♄	-23°47'59" ♁	-01°19'13"	00°46'01"	1.940
25/11/2029 00:00:00	♃	13°16'26" ♃	-14°53'27"	00°58'28"	00°12'45"	6.347
25/11/2029 00:00:00	♃	20°36'26" ♄r	15°31'51"	-02°27'20"	-00°04'42"	8.165
25/11/2029 00:00:00	♃	17°04'53" ♄r	22°50'21"	00°01'52"	-00°02'26"	18.268



Ephemerides year 2029

25/11/2029 00:00:00	♁	08°29'57" ♀	01°57'55"	-01°31'39"	-00°00'48"	29.273
25/11/2029 00:00:00	♁	08°19'43" ♀	-23°39'36"	♁-05°40'57"	00°00'57"	36.817
25/11/2029 00:00:00	♁	25°34'05" ♀	-23°21'39"	00°00'00"	00°01'24"	0.002
25/11/2029 00:00:00	♁	09°11'25" ♀	13°15'03"	-01°22'31"	-00°02'37"	16.403
25/11/2029 00:00:00	♁	10°03'16" ♀	18°23'05"	03°45'00"	00°06'41"	0.003
25/11/2029 00:00:00	T♁	25°34'05" ♀	-23°21'39"	00°00'00"	00°01'24"	0.002
25/11/2029 00:00:00	T♁	25°55'22" ♀	21°45'57"	02°36'26"	04°14'25"	0.003
25/11/2029 00:00:00	X	25°45'30" ♀	00°45'29"	-09°51'21"	-00°00'28"	94.394
25/11/2029 00:00:00	Y	03°56'10" ♀	09°12'30"	-11°55'17"	-00°00'38"	81.090
26/11/2029 00:00:00	♁	04°00'29" ♀	-20°56'45"	-00°00'00"	01°00'41"	0.987
26/11/2029 00:00:00	♁	27°58'33" ♀	17°47'35"	-02°49'31"	12°36'34"	0.003
26/11/2029 00:00:00	♁	18°22'46" ♀	-25°01'18"	♁-02°06'09"	01°29'37"	1.327
26/11/2029 00:00:00	♁	16°27'45" ♀	-25°44'47"	♁-03°21'05"	00°38'39"	0.448
26/11/2029 00:00:00	♁	16°39'53" ♀	-23°42'16"	♁-01°19'06"	00°46'04"	1.943
26/11/2029 00:00:00	♁	13°29'11" ♀	-14°57'16"	00°58'28"	00°12'44"	6.341
26/11/2029 00:00:00	♁	20°31'45" ♀	15°30'45"	-02°27'13"	-00°04'40"	8.169
26/11/2029 00:00:00	♁	17°02'26" ♀	22°50'07"	00°01'53"	-00°02'27"	18.264
26/11/2029 00:00:00	♁	08°29'10" ♀	01°57'39"	-01°31'37"	-00°00'46"	29.287
26/11/2029 00:00:00	♁	08°20'41" ♀	-23°39'16"	♁-05°40'53"	00°00'58"	36.834

Ephemerides year 2029

26/11/2029 00:00:00	♏	25°35'40" ♀	-23°21'42"	00°00'00"	00°01'40"	0.002
26/11/2029 00:00:00	♋	09°08'48" ♂	13°14'11"	-01°22'33"	-00°02'35"	16.410
26/11/2029 00:00:00	♌	10°09'57" ♂	18°24'39"	03°44'24"	00°06'41"	0.003
26/11/2029 00:00:00	T♏	25°35'40" ♀	-23°21'42"	00°00'00"	00°01'40"	0.002
26/11/2029 00:00:00	T♌	29°55'00" ♂	22°21'46"	02°17'12"	03°40'38"	0.003
26/11/2029 00:00:00	X	25°45'02" ♀	00°45'24"	-09°51'15"	-00°00'27"	94.404
26/11/2029 00:00:00	Y	03°55'31" ♀	09°12'24"	-11°55'17"	-00°00'38"	81.089
27/11/2029 00:00:00	♍	05°01'11" ♀	-21°07'53"	-00°00'00"	01°00'42"	0.987
27/11/2029 00:00:00	♎	10°43'08" ♀	13°56'42"	-03°44'12"	12°53'05"	0.003
27/11/2029 00:00:00	♏	19°52'13" ♀	-25°12'02"	0-02°09'30"	01°29'15"	1.316
27/11/2029 00:00:00	♐	17°05'48" ♀	-25°35'39"	0-03°16'44"	00°37'24"	0.441
27/11/2029 00:00:00	♑	17°25'59" ♀	-23°36'16"	0-01°18'59"	00°46'07"	1.947
27/11/2029 00:00:00	♒	13°41'54" ♀	-15°01'03"	00°58'29"	00°12'42"	6.335
27/11/2029 00:00:00	♓	20°27'05" ♂	15°29'39"	-02°27'05"	-00°04'38"	8.173
27/11/2029 00:00:00	♈	16°59'58" ♀	22°49'53"	00°01'54"	-00°02'28"	18.260
27/11/2029 00:00:00	♉	08°28'24" ♀	01°57'23"	-01°31'35"	-00°00'44"	29.301
27/11/2029 00:00:00	♊	08°21'40" ♀	-23°38'56"	0-05°40'49"	00°01'00"	36.850
27/11/2029 00:00:00	♌	25°37'16" ♀	-23°21'45"	00°00'00"	00°01'27"	0.002
27/11/2029 00:00:00	♋	09°06'13" ♂	13°13'19"	-01°22'36"	-00°02'34"	16.416

Ephemerides year 2029

27/11/2029 00:00:00	☾	10°16'38" ♀	18°26'12"	03°43'47"	00°06'41"	0.003
27/11/2029 00:00:00	♄	25°37'16" ♀	-23°21'45"	00°00'00"	00°01'27"	0.002
27/11/2029 00:00:00	♄	03°08'42" ♀	22°45'47"	02°01'08"	02°43'05"	0.003
27/11/2029 00:00:00	X	25°44'34" ♀	00°45'20"	-09°51'09"	-00°00'27"	94.415
27/11/2029 00:00:00	Y	03°54'53" ♀	09°12'17"	-11°55'17"	-00°00'38"	81.089
28/11/2029 00:00:00	☉	06°01'54" ♀	-21°18'37"	-00°00'00"	01°00'44"	0.987
28/11/2029 00:00:00	☾	23°45'44" ♀	09°21'57"	-04°28'42"	13°12'33"	0.003
28/11/2029 00:00:00	♁	21°21'17" ♀	-25°21'27"	o-02°12'32"	01°28'51"	1.303
28/11/2029 00:00:00	♂	17°42'33" ♀	-25°26'11"	o-03°12'04"	00°36'06"	0.434
28/11/2029 00:00:00	♂	18°12'08" ♀	-23°30'01"	o-01°18'51"	00°46'10"	1.951
28/11/2029 00:00:00	♃	13°54'35" ♀	-15°04'48"	00°58'30"	00°12'39"	6.328
28/11/2029 00:00:00	♅	20°22'28" ♀	15°28'33"	-02°26'58"	-00°04'36"	8.177
28/11/2029 00:00:00	♁	16°57'29" ♀	22°49'39"	00°01'54"	-00°02'29"	18.257
28/11/2029 00:00:00	♁	08°27'41" ♀	01°57'08"	-01°31'32"	-00°00'42"	29.316
28/11/2029 00:00:00	♁	08°22'41" ♀	-23°38'36"	o-05°40'45"	00°01'01"	36.866
28/11/2029 00:00:00	♁	25°38'26" ♀	-23°21'48"	00°00'00"	00°00'50"	0.002
28/11/2029 00:00:00	♁	09°03'40" ♀	13°12'28"	-01°22'39"	-00°02'32"	16.423
28/11/2029 00:00:00	☾	10°23'19" ♀	18°27'45"	03°43'11"	00°06'41"	0.003
28/11/2029 00:00:00	♄	25°38'26" ♀	-23°21'48"	00°00'00"	00°00'50"	0.002

Ephemerides year 2029

28/11/2029 00:00:00	T♄	05°14'52" ♀	22°58'59"	01°50'27"	01°26'44"	0.003
28/11/2029 00:00:00	X	25°44'07" ♀	00°45'16"	-09°51'03"	-00°00'27"	94.425
28/11/2029 00:00:00	Y	03°54'14" ♀	09°12'11"	-11°55'16"	-00°00'38"	81.089
29/11/2029 00:00:00	☉	07°02'40" ♂	-21°28'57"	-00°00'00"	01°00'46"	0.986
29/11/2029 00:00:00	☾	07°09'04" ♀	04°14'14"	-04°59'57"	13°34'27"	0.003
29/11/2029 00:00:00	♀	22°49'55" ♂	-25°29'30"	o-02°15'14"	01°28'24"	1.290
29/11/2029 00:00:00	♀	18°18'00" ♂	-25°16'25"	o-03°07'05"	00°34'45"	0.427
29/11/2029 00:00:00	♂	18°58'20" ♂	-23°23'30"	-01°18'43"	00°46'12"	1.955
29/11/2029 00:00:00	♃	14°07'14" ♀	-15°08'32"	00°58'30"	00°12'37"	6.322
29/11/2029 00:00:00	♅	20°17'52" ♂	15°27'29"	-02°26'49"	-00°04'33"	8.182
29/11/2029 00:00:00	♁	16°54'59" ♀	22°49'25"	00°01'55"	-00°02'30"	18.254
29/11/2029 00:00:00	♃	08°26'59" ♀	01°56'54"	-01°31'30"	-00°00'40"	29.331
29/11/2029 00:00:00	♁	08°23'44" ♀	-23°38'15"	o-05°40'41"	00°01'03"	36.882
29/11/2029 00:00:00	♁	25°38'52" ♂	-23°21'48"	00°00'00"	-00°00'00"	0.002
29/11/2029 00:00:00	♃	09°01'09" ♂	13°11'38"	-01°22'42"	-00°02'30"	16.430
29/11/2029 00:00:00	♁	10°30'00" ♂	18°29'18"	03°42'34"	00°06'41"	0.003
29/11/2029 00:00:00	T♁	25°38'52" ♂	-23°21'48"	00°00'00"	-00°00'00"	0.002
29/11/2029 00:00:00	T♄	05°59'10" ♀	23°03'09"	01°46'39"	00°01'35"	0.003
29/11/2029 00:00:00	X	25°43'40" ♀	00°45'13"	-09°50'57"	-00°00'26"	94.436

Ephemerides year 2029

29/11/2029 00:00:00	Y	03°53'35" ♀	09°12'05"	-11°55'15"	-00°00'38"	81.089
30/11/2029 00:00:00	☉	08°03'27" ♀	-21°38'52"	-00°00'00"	01°00'47"	0.986
30/11/2029 00:00:00	☾	20°55'07" ♀	-01°13'51"	-05°15'08"	13°57'44"	0.002
30/11/2029 00:00:00	♀	24°18'05" ♀	-25°36'11"	o-02°17'33"	01°27'53"	1.276
30/11/2029 00:00:00	♀	18°52'04" ♀	-25°06'23"	o-03°01'45"	00°33'21"	0.420
30/11/2029 00:00:00	♂	19°44'34" ♀	-23°16'43"	-01°18'34"	00°46'15"	1.959
30/11/2029 00:00:00	♃	14°19'50" ♀	-15°12'14"	00°58'31"	00°12'35"	6.315
30/11/2029 00:00:00	♄	20°13'20" ♂	15°26'25"	-02°26'41"	-00°04'31"	8.187
30/11/2029 00:00:00	♅	16°52'29" ♀	22°49'11"	00°01'55"	-00°02'30"	18.251
30/11/2029 00:00:00	♆	08°26'19" ♂	01°56'40"	-01°31'28"	-00°00'39"	29.346
30/11/2029 00:00:00	♇	08°24'48" ♀	-23°37'54"	o-05°40'37"	00°01'04"	36.897
30/11/2029 00:00:00	♈	25°38'26" ♀	-23°21'48"	00°00'00"	-00°00'52"	0.002
30/11/2029 00:00:00	♉	08°58'39" ♂	13°10'48"	-01°22'44"	-00°02'28"	16.438
30/11/2029 00:00:00	♊	10°36'42" ♂	18°30'51"	03°41'57"	00°06'41"	0.003
30/11/2029 00:00:00	T♈	25°38'26" ♀	-23°21'48"	00°00'00"	-00°00'52"	0.002
30/11/2029 00:00:00	T♉	05°20'31" ♀	22°59'31"	01°49'58"	-01°16'00"	0.003
30/11/2029 00:00:00	X	25°43'13" ♂	00°45'09"	-09°50'51"	-00°00'26"	94.448
30/11/2029 00:00:00	Y	03°52'57" ♀	09°11'59"	-11°55'15"	-00°00'38"	81.090
01/12/2029 00:00:00	☉	09°04'15" ♀	-21°48'23"	-00°00'00"	01°00'49"	0.986

Ephemerides year 2029

01/12/2029 00:00:00	♃	05°04'26"	♄	-06°47'11"	-05°11'56"	14°20'38"	0.002
01/12/2029 00:00:00	♆	25°45'41"	♂	-25°41'28"	♁-02°19'30"	01°27'18"	1.262
01/12/2029 00:00:00	♀	19°24'42"	♁	-24°56'04"	♁-02°56'04"	00°31'54"	0.414
01/12/2029 00:00:00	♂	20°30'51"	♁	-23°09'40"	-01°18'24"	00°46'18"	1.963
01/12/2029 00:00:00	♃	14°32'24"	♄	-15°15'55"	00°58'33"	00°12'33"	6.308
01/12/2029 00:00:00	♅	20°08'50"	♁	15°25'22"	-02°26'32"	-00°04'28"	8.192
01/12/2029 00:00:00	♁	16°49'58"	♁	22°48'57"	00°01'56"	-00°02'31"	18.248
01/12/2029 00:00:00	♆	08°25'41"	♁	01°56'28"	-01°31'25"	-00°00'37"	29.361
01/12/2029 00:00:00	♁	08°25'53"	♁	-23°37'33"	♁-05°40'33"	00°01'06"	36.913
01/12/2029 00:00:00	♁	25°37'11"	♁	-23°21'45"	00°00'00"	-00°01'33"	0.002
01/12/2029 00:00:00	♁	08°56'12"	♁	13°09'59"	-01°22'47"	-00°02'26"	16.445
01/12/2029 00:00:00	♁	10°43'23"	♁	18°32'23"	03°41'20"	00°06'41"	0.003
01/12/2029 00:00:00	♁	25°37'11"	♁	-23°21'45"	00°00'00"	-00°01'33"	0.002
01/12/2029 00:00:00	♁	03°35'58"	♁	22°48'48"	01°58'50"	-02°07'28"	0.003
01/12/2029 00:00:00	X	25°42'47"	♁	00°45'06"	-09°50'44"	-00°00'25"	94.459
01/12/2029 00:00:00	Y	03°52'18"	♁	09°11'53"	-11°55'14"	-00°00'38"	81.091
02/12/2029 00:00:00	♁	10°05'05"	♁	-21°57'29"	-00°00'00"	01°00'50"	0.986
02/12/2029 00:00:00	♃	19°35'32"	♄	-12°07'09"	-04°49'03"	14°40'52"	0.002
02/12/2029 00:00:00	♆	27°12'39"	♁	-25°45'21"	♁-02°21'02"	01°26'37"	1.247

Ephemerides year 2029

02/12/2029 00:00:00	♀	19°55'52" ♁	-24°45'30" ♁	-02°50'01"	00°30'23"	0.407
02/12/2029 00:00:00	♂	21°17'11" ♁	-23°02'21"	-01°18'14"	00°46'21"	1.967
02/12/2029 00:00:00	♃	14°44'56" ♃	-15°19'35"	00°58'34"	00°12'30"	6.301
02/12/2029 00:00:00	♄	20°04'23" ♄	15°24'21"	-02°26'23"	-00°04'25"	8.198
02/12/2029 00:00:00	♅	16°47'26" ♅	22°48'43"	00°01'57"	-00°02'31"	18.246
02/12/2029 00:00:00	♆	08°25'04" ♆	01°56'16"	-01°31'23"	-00°00'35"	29.376
02/12/2029 00:00:00	♇	08°27'00" ♇	-23°37'12" ♁	-05°40'30"	00°01'07"	36.928
02/12/2029 00:00:00	♈	25°35'25" ♁	-23°21'41"	00°00'00"	-00°01'55"	0.002
02/12/2029 00:00:00	♉	08°53'46" ♄	13°09'10"	-01°22'49"	-00°02'24"	16.453
02/12/2029 00:00:00	♊	10°50'04" ♄	18°33'55"	03°40'43"	00°06'41"	0.003
02/12/2029 00:00:00	T♈	25°35'25" ♁	-23°21'41"	00°00'00"	-00°01'55"	0.002
02/12/2029 00:00:00	T♊	01°17'38" ♅	22°32'36"	02°10'26"	-02°23'24"	0.003
02/12/2029 00:00:00	X	25°42'21" ♆	00°45'03"	-09°50'38"	-00°00'25"	94.471
02/12/2029 00:00:00	Y	03°51'39" ♅	09°11'48"	-11°55'13"	-00°00'38"	81.092
03/12/2029 00:00:00	♁	11°05'56" ♁	-22°06'09"	-00°00'00"	01°00'52"	0.986
03/12/2029 00:00:00	♃	04°24'26" ♃	-16°51'14"	-04°06'39"	14°55'52"	0.002
03/12/2029 00:00:00	♄	28°38'54" ♁	-25°47'48" ♁	-02°22'07"	01°25'50"	1.231
03/12/2029 00:00:00	♀	20°25'29" ♁	-24°34'42" ♁	-02°43'37"	00°28'49"	0.400
03/12/2029 00:00:00	♂	22°03'33" ♁	-22°54'47"	-01°18'04"	00°46'23"	1.971

Ephemerides year 2029

03/12/2029 00:00:00	♈	14°57'26"	♍	-15°23'12"	00°58'35"	00°12'28"	6.294
03/12/2029 00:00:00	♉	19°59'58"	♄	15°23'20"	-02°26'14"	-00°04'22"	8.203
03/12/2029 00:00:00	♊	16°44'54"	♃	22°48'28"	00°01'57"	-00°02'32"	18.244
03/12/2029 00:00:00	♋	08°24'30"	♂	01°56'04"	-01°31'20"	-00°00'33"	29.391
03/12/2029 00:00:00	♌	08°28'08"	♁	-23°36'50"	o-05°40'26"	00°01'08"	36.944
03/12/2029 00:00:00	♍	25°33'27"	♂	-23°21'37"	00°00'00"	-00°01'54"	0.002
03/12/2029 00:00:00	♎	08°51'23"	♄	13°08'22"	-01°22'51"	-00°02'22"	16.461
03/12/2029 00:00:00	♏	10°56'45"	♄	18°35'27"	03°40'06"	00°06'41"	0.003
03/12/2029 00:00:00	T♍	25°33'27"	♂	-23°21'37"	00°00'00"	-00°01'54"	0.002
03/12/2029 00:00:00	T♎	28°58'19"	♄	22°13'59"	02°21'54"	-02°12'15"	0.003
03/12/2029 00:00:00	X	25°41'56"	♂	00°45'00"	-09°50'31"	-00°00'24"	94.483
03/12/2029 00:00:00	Y	03°51'01"	♃	09°11'42"	-11°55'11"	-00°00'38"	81.093
04/12/2029 00:00:00	♐	12°06'49"	♂	-22°14'24"	-00°00'00"	01°00'53"	0.986
04/12/2029 00:00:00	♑	19°24'45"	♍	-20°34'32"	-03°06'55"	15°03'21"	0.002
04/12/2029 00:00:00	♒	00°04'18"	♌	-25°48'51"	o-02°22'44"	01°24'56"	1.214
04/12/2029 00:00:00	♓	20°53'29"	♌	-24°23'41"	o-02°36'50"	00°27'11"	0.394
04/12/2029 00:00:00	♈	22°49'58"	♌	-22°46'58"	-01°17'53"	00°46'26"	1.975
04/12/2029 00:00:00	♉	15°09'53"	♍	-15°26'49"	00°58'37"	00°12'25"	6.286
04/12/2029 00:00:00	♊	19°55'37"	♄	15°22'20"	-02°26'04"	-00°04'19"	8.210



Ephemerides year 2029

04/12/2029 00:00:00	♃	16°42'22" ♀r	22°48'14"	00°01'58"	-00°02'32"	18.243
04/12/2029 00:00:00	♃	08°23'58" ♀r	01°55'54"	-01°31'18"	-00°00'31"	29.407
04/12/2029 00:00:00	♃	08°29'18" ♀r	-23°36'28"	o-05°40'22"	00°01'10"	36.959
04/12/2029 00:00:00	♃	25°31'43" ♀r	-23°21'34"	00°00'00"	-00°01'32"	0.002
04/12/2029 00:00:00	♃	08°49'02" ♀r	13°07'35"	-01°22'54"	-00°02'19"	16.470
04/12/2029 00:00:00	♃	11°03'26" ♀r	18°36'58"	03°39'28"	00°06'41"	0.003
04/12/2029 00:00:00	♃	25°31'43" ♀r	-23°21'34"	00°00'00"	-00°01'32"	0.002
04/12/2029 00:00:00	♃	26°55'18" ♀r	21°55'43"	02°31'53"	-01°54'27"	0.003
04/12/2029 00:00:00	X	25°41'31" ♀r	00°44'58"	-09°50'24"	-00°00'24"	94.495
04/12/2029 00:00:00	Y	03°50'23" ♀r	09°11'37"	-11°55'10"	-00°00'38"	81.095
05/12/2029 00:00:00	♃	13°07'43" ♀r	-22°22'13"	-00°00'00"	01°00'54"	0.986
05/12/2029 00:00:00	♃	04°28'11" ♀r	-22°53'54"	-01°53'59"	15°01'58"	0.002
05/12/2029 00:00:00	♃	01°28'43" ♀r	-25°48'27"	o-02°22'51"	01°23'53"	1.197
05/12/2029 00:00:00	♃	21°19'50" ♀r	-24°12'28"	o-02°29'40"	00°25'29"	0.388
05/12/2029 00:00:00	♃	23°36'26" ♀r	-22°38'53"	-01°17'42"	00°46'28"	1.979
05/12/2029 00:00:00	♃	15°22'17" ♀r	-15°30'23"	00°58'38"	00°12'22"	6.279
05/12/2029 00:00:00	♃	19°51'20" ♀r	15°21'21"	-02°25'54"	-00°04'15"	8.216
05/12/2029 00:00:00	♃	16°39'50" ♀r	22°47'59"	00°01'58"	-00°02'32"	18.241
05/12/2029 00:00:00	♃	08°23'28" ♀r	01°55'44"	-01°31'15"	-00°00'29"	29.423

Ephemerides year 2029

05/12/2029 00:00:00	♁	08°30'29" ♁	-23°36'05" ♁	-05°40'19"	00°01'11"	36.974
05/12/2029 00:00:00	♁	25°30'28" ♁	-23°21'31"	00°00'00"	-00°00'55"	0.002
05/12/2029 00:00:00	♁	08°46'43" ♁	13°06'49"	-01°22'56"	-00°02'17"	16.479
05/12/2029 00:00:00	♁	11°10'07" ♁	18°38'29"	03°38'51"	00°06'41"	0.003
05/12/2029 00:00:00	♁	25°30'28" ♁	-23°21'31"	00°00'00"	-00°00'55"	0.002
05/12/2029 00:00:00	♁	25°05'16" ♁	21°37'58"	02°40'43"	-01°48'38"	0.003
05/12/2029 00:00:00	X	25°41'07" ♁	00°44'56"	-09°50'18"	-00°00'23"	94.508
05/12/2029 00:00:00	Y	03°49'44" ♁	09°11'32"	-11°55'08"	-00°00'38"	81.097
06/12/2029 00:00:00	♁	14°08'38" ♁	-22°29'36"	-00°00'00"	01°00'55"	0.985
06/12/2029 00:00:00	♁	19°25'42" ♁	-23°34'21" ♁	-00°33'36"	14°51'39"	0.002
06/12/2029 00:00:00	♁	02°52'01" ♁	-25°46'38" ♁	-02°22'25"	01°22'39"	1.179
06/12/2029 00:00:00	♁	21°44'27" ♁	-24°01'04" ♁	-02°22'07"	00°23'43"	0.381
06/12/2029 00:00:00	♁	24°22'56" ♁	-22°30'33"	-01°17'30"	00°46'31"	1.982
06/12/2029 00:00:00	♁	15°34'38" ♁	-15°33'56"	00°58'40"	00°12'20"	6.271
06/12/2029 00:00:00	♁	19°47'06" ♁	15°20'23"	-02°25'43"	-00°04'12"	8.223
06/12/2029 00:00:00	♁	16°37'17" ♁	22°47'45"	00°01'59"	-00°02'32"	18.240
06/12/2029 00:00:00	♁	08°22'59" ♁	01°55'36"	-01°31'13"	-00°00'27"	29.438
06/12/2029 00:00:00	♁	08°31'41" ♁	-23°35'42" ♁	-05°40'16"	00°01'13"	36.988
06/12/2029 00:00:00	♁	25°29'53" ♁	-23°21'30"	00°00'00"	-00°00'15"	0.002

Ephemerides year 2029

06/12/2029 00:00:00	♁	08°44'27" ♀r	13°06'04"	-01°22'58"	-00°02'15"	16.488
06/12/2029 00:00:00	♁	11°16'48" ♀	18°40'00"	03°38'13"	00°06'41"	0.003
06/12/2029 00:00:00	♁	25°29'53" ♀r	-23°21'30"	00°00'00"	-00°00'15"	0.002
06/12/2029 00:00:00	♁	23°11'14" ♀r	21°18'12"	02°49'46"	-02°02'43"	0.003
06/12/2029 00:00:00	X	25°40'44" ♀r	00°44'54"	-09°50'11"	-00°00'23"	94.520
06/12/2029 00:00:00	Y	03°49'06" ♀r	09°11'27"	-11°55'06"	-00°00'37"	81.100
07/12/2029 00:00:00	♁	15°09'34" ♀	-22°36'33"	00°00'00"	01°00'56"	0.985
07/12/2029 00:00:00	♁	04°08'56" ♀	-22°34'23"	00°47'50"	14°33'40"	0.002
07/12/2029 00:00:00	♁	04°13'58" ♀	-25°43'23"	o-02°21'25"	01°21'14"	1.160
07/12/2029 00:00:00	♁	22°07'17" ♀	-23°49'31"	o-02°14'09"	00°21'53"	0.375
07/12/2029 00:00:00	♁	25°09'28" ♀	-22°21'57"	-01°17'18"	00°46'33"	1.986
07/12/2029 00:00:00	♁	15°46'57" ♀	-15°37'27"	00°58'42"	00°12'17"	6.263
07/12/2029 00:00:00	♁	19°42'55" ♀r	15°19'27"	-02°25'33"	-00°04'08"	8.230
07/12/2029 00:00:00	♁	16°34'44" ♀r	22°47'30"	00°02'00"	-00°02'32"	18.240
07/12/2029 00:00:00	♁	08°22'33" ♀r	01°55'28"	-01°31'10"	-00°00'25"	29.454
07/12/2029 00:00:00	♁	08°32'55" ♀	-23°35'19"	o-05°40'12"	00°01'14"	37.003
07/12/2029 00:00:00	♁	25°29'56" ♀	-23°21'30"	00°00'00"	00°00'19"	0.002
07/12/2029 00:00:00	♁	08°42'13" ♀r	13°05'19"	-01°23'00"	-00°02'12"	16.497
07/12/2029 00:00:00	♁	11°23'30" ♀	18°41'30"	03°37'36"	00°06'41"	0.003

Ephemerides year 2029

07/12/2029 00:00:00	T♄	25°29'56" ♄	-23°21'30"	00°00'00"	00°00'19"	0.002
07/12/2029 00:00:00	T♄	20°54'39" ♄	20°52'43"	03°00'24"	-02°31'59"	0.003
07/12/2029 00:00:00	X	25°40'21" ♄	00°44'52"	-09°50'04"	-00°00'22"	94.533
07/12/2029 00:00:00	Y	03°48'29" ♄	09°11'22"	-11°55'05"	-00°00'37"	81.102
08/12/2029 00:00:00	♁	16°10'31" ♄	-22°43'03"	00°00'00"	01°00'57"	0.985
08/12/2029 00:00:00	♂	18°31'15" ♄	-20°06'04"	02°04'22"	14°10'16"	0.002
08/12/2029 00:00:00	♀	05°34'24" ♄	-25°38'43"	♁-02°19'47"	01°19'34"	1.141
08/12/2029 00:00:00	♀	22°28'14" ♄	-23°37'49"	♁-02°05'47"	00°19'59"	0.369
08/12/2029 00:00:00	♂	25°56'03" ♄	-22°13'07"	-01°17'05"	00°46'35"	1.990
08/12/2029 00:00:00	♃	15°59'13" ♄	-15°40'57"	00°58'43"	00°12'14"	6.254
08/12/2029 00:00:00	♃	19°38'48" ♄	15°18'32"	-02°25'22"	-00°04'04"	8.237
08/12/2029 00:00:00	♃	16°32'11" ♄	22°47'15"	00°02'00"	-00°02'32"	18.239
08/12/2029 00:00:00	♃	08°22'09" ♄	01°55'21"	-01°31'07"	-00°00'23"	29.470
08/12/2029 00:00:00	♃	08°34'10" ♄	-23°34'56"	♁-05°40'09"	00°01'15"	37.017
08/12/2029 00:00:00	♁	25°30'28" ♄	-23°21'31"	00°00'00"	00°00'41"	0.002
08/12/2029 00:00:00	♃	08°40'01" ♄	13°04'36"	-01°23'02"	-00°02'10"	16.506
08/12/2029 00:00:00	♃	11°30'11" ♄	18°43'00"	03°36'58"	00°06'41"	0.003
08/12/2029 00:00:00	T♄	25°30'28" ♄	-23°21'31"	00°00'00"	00°00'41"	0.002
08/12/2029 00:00:00	T♄	18°07'05" ♄	20°18'44"	03°13'03"	-03°01'38"	0.003

Ephemerides year 2029

08/12/2029 00:00:00	X	25°39'59" ♄	00°44'51"	-09°49'57"	-00°00'22"	94.546
08/12/2029 00:00:00	Y	03°47'51" ♀	09°11'18"	-11°55'02"	-00°00'37"	81.105
09/12/2029 00:00:00	☉	17°11'29" ♄	-22°49'06"	00°00'00"	01°00'58"	0.985
09/12/2029 00:00:00	☾	02°28'34" ♁	-16°29'53"	03°11'12"	13°44'05"	0.003
09/12/2029 00:00:00	♀	06°53'02" ♄	-25°32'40"	o-02°17'29"	01°17'38"	1.121
09/12/2029 00:00:00	♀	22°47'15" ♄	-23°25'59"	-01°57'00"	00°18'01"	0.363
09/12/2029 00:00:00	♂	26°42'40" ♄	-22°04'02"	-01°16'52"	00°46'37"	1.994
09/12/2029 00:00:00	♃	16°11'25" ♃	-15°44'25"	00°58'45"	00°12'10"	6.246
09/12/2029 00:00:00	♅	19°34'45" ♄	15°17'38"	-02°25'11"	-00°04'01"	8.245
09/12/2029 00:00:00	♁	16°29'38" ♀	22°47'00"	00°02'01"	-00°02'33"	18.239
09/12/2029 00:00:00	♃	08°21'47" ♄	01°55'14"	-01°31'05"	-00°00'21"	29.486
09/12/2029 00:00:00	♁	08°35'27" ♁	-23°34'33"	o-05°40'06"	00°01'17"	37.032
09/12/2029 00:00:00	♁	25°31'15" ♄	-23°21'33"	00°00'00"	00°00'49"	0.002
09/12/2029 00:00:00	♁	08°37'52" ♄	13°03'53"	-01°23'03"	-00°02'07"	16.516
09/12/2029 00:00:00	♁	11°36'52" ♄	18°44'30"	03°36'20"	00°06'41"	0.003
09/12/2029 00:00:00	T♁	25°31'15" ♄	-23°21'33"	00°00'00"	00°00'49"	0.002
09/12/2029 00:00:00	T♁	14°57'22" ♄	19°36'45"	03°26'48"	-03°13'36"	0.003
09/12/2029 00:00:00	X	25°39'37" ♄	00°44'49"	-09°49'50"	-00°00'21"	94.559
09/12/2029 00:00:00	Y	03°47'13" ♀	09°11'13"	-11°55'00"	-00°00'37"	81.109

Ephemerides year 2029

10/12/2029 00:00:00	♁	18°12'27" ♃	-22°54'42"	00°00'00"	01°00'58"	0.985
10/12/2029 00:00:00	♃	15°59'23" ♁	-12°08'12"	04°05'09"	13°17'39"	0.003
10/12/2029 00:00:00	♄	08°09'34" ♃	-25°25'15" ♁	-02°14'28"	01°15'23"	1.100
10/12/2029 00:00:00	♅	23°04'15" ♃	-23°14'03"	-01°47'48"	00°15'58"	0.357
10/12/2029 00:00:00	♆	27°29'19" ♃	-21°54'42"	-01°16'38"	00°46'39"	1.998
10/12/2029 00:00:00	♁	16°23'34" ♃	-15°47'51"	00°58'48"	00°12'07"	6.237
10/12/2029 00:00:00	♂	19°30'46" ♃	15°16'45"	-02°24'59"	-00°03'57"	8.252
10/12/2029 00:00:00	♁	16°27'05" ♃	22°46'46"	00°02'01"	-00°02'33"	18.240
10/12/2029 00:00:00	♂	08°21'26" ♃	01°55'09"	-01°31'02"	-00°00'19"	29.503
10/12/2029 00:00:00	♁	08°36'44" ♁	-23°34'09" ♁	-05°40'03"	00°01'18"	37.046
10/12/2029 00:00:00	♁	25°32'02" ♃	-23°21'34"	00°00'00"	00°00'43"	0.002
10/12/2029 00:00:00	♂	08°35'45" ♃	13°03'11"	-01°23'05"	-00°02'05"	16.526
10/12/2029 00:00:00	♁	11°43'33" ♃	18°46'00"	03°35'42"	00°06'41"	0.003
10/12/2029 00:00:00	♁	25°32'02" ♃	-23°21'34"	00°00'00"	00°00'43"	0.002
10/12/2029 00:00:00	♁	11°49'27" ♃	18°51'41"	03°39'45"	-02°57'22"	0.003
10/12/2029 00:00:00	X	25°39'15" ♃	00°44'48"	-09°49'43"	-00°00'21"	94.573
10/12/2029 00:00:00	Y	03°46'36" ♃	09°11'09"	-11°54'58"	-00°00'37"	81.112
11/12/2029 00:00:00	♁	19°13'26" ♃	-22°59'51"	00°00'00"	01°00'59"	0.985
11/12/2029 00:00:00	♃	29°04'31" ♁	-07°20'43"	04°44'27"	12°53'02"	0.003

Ephemerides year 2029

11/12/2029 00:00:00	♀	09°23'41" ♍	-25°16'30"	o-02°10'41"	01°12'46"	1.078
11/12/2029 00:00:00	♀	23°19'11" ♍	-23°02'01"	-01°38'10"	00°13'52"	0.351
11/12/2029 00:00:00	♂	28°16'00" ♍	-21°45'07"	-01°16'24"	00°46'41"	2.002
11/12/2029 00:00:00	♃	16°35'40" ♎	-15°51'16"	00°58'50"	00°12'04"	6.228
11/12/2029 00:00:00	♅	19°26'51" ♏	15°15'53"	-02°24'47"	-00°03'52"	8.261
11/12/2029 00:00:00	♁	16°24'32" ♐	22°46'31"	00°02'02"	-00°02'32"	18.240
11/12/2029 00:00:00	♃	08°21'08" ♑	01°55'04"	-01°30'59"	-00°00'17"	29.519
11/12/2029 00:00:00	♃	08°38'03" ♒	-23°33'45"	o-05°40'00"	00°01'19"	37.060
11/12/2029 00:00:00	♁	25°32'39" ♓	-23°21'36"	00°00'00"	00°00'29"	0.002
11/12/2029 00:00:00	♃	08°33'41" ♏	13°02'30"	-01°23'07"	-00°02'02"	16.536
11/12/2029 00:00:00	♃	11°50'14" ♏	18°47'29"	03°35'04"	00°06'40"	0.003
11/12/2029 00:00:00	T♁	25°32'39" ♓	-23°21'36"	00°00'00"	00°00'29"	0.002
11/12/2029 00:00:00	T♃	09°10'56" ♏	18°11'06"	03°50'09"	-02°16'32"	0.003
11/12/2029 00:00:00	X	25°38'54" ♑	00°44'48"	-09°49'36"	-00°00'20"	94.586
11/12/2029 00:00:00	Y	03°45'59" ♐	09°11'05"	-11°54'55"	-00°00'37"	81.116
12/12/2029 00:00:00	☉	20°14'26" ♓	-23°04'33"	00°00'00"	01°00'59"	0.985
12/12/2029 00:00:00	☾	11°46'33" ♋	-02°23'12"	05°08'31"	12°31'40"	0.003
12/12/2029 00:00:00	♀	10°34'59" ♍	-25°06'29"	o-02°06'05"	01°09'44"	1.056
12/12/2029 00:00:00	♀	23°31'58" ♍	-22°49'54"	-01°28'07"	00°11'41"	0.345

Ephemerides year 2029

12/12/2029 00:00:00	♂	29°02'42" ♉	-21°35'18"	-01°16'10"	00°46'43"	2.005
12/12/2029 00:00:00	♃	16°47'42" ♉	-15°54'38"	00°58'52"	00°12'00"	6.219
12/12/2029 00:00:00	♃	19°23'00" ♉	15°15'03"	-02°24'35"	-00°03'48"	8.269
12/12/2029 00:00:00	♃	16°21'59" ♉	22°46'16"	00°02'03"	-00°02'32"	18.241
12/12/2029 00:00:00	♃	08°20'52" ♉	01°55'00"	-01°30'57"	-00°00'15"	29.536
12/12/2029 00:00:00	♃	08°39'23" ♉	-23°33'21"	o-05°39'58"	00°01'20"	37.073
12/12/2029 00:00:00	♁	25°33'00" ♉	-23°21'36"	00°00'00"	00°00'11"	0.002
12/12/2029 00:00:00	♃	08°31'39" ♉	13°01'49"	-01°23'08"	-00°02'00"	16.547
12/12/2029 00:00:00	♃	11°56'55" ♉	18°48'58"	03°34'26"	00°06'40"	0.003
12/12/2029 00:00:00	♁	25°33'00" ♉	-23°21'36"	00°00'00"	00°00'11"	0.002
12/12/2029 00:00:00	♃	07°20'01" ♉	17°41'22"	03°57'07"	-01°24'44"	0.003
12/12/2029 00:00:00	X	25°38'34" ♉	00°44'47"	-09°49'28"	-00°00'20"	94.600
12/12/2029 00:00:00	Y	03°45'22" ♉	09°11'01"	-11°54'53"	-00°00'37"	81.120
13/12/2029 00:00:00	♁	21°15'26" ♉	-23°08'48"	00°00'00"	01°01'00"	0.984
13/12/2029 00:00:00	♃	24°09'15" ♉	02°32'18"	05°17'30"	12°14'27"	0.003
13/12/2029 00:00:00	♃	11°43'00" ♉	-24°55'14"	o-02°00'36"	01°06'13"	1.033
13/12/2029 00:00:00	♀	23°42'33" ♉	-22°37'44"	-01°17'37"	00°09'27"	0.340
13/12/2029 00:00:00	♂	29°49'27" ♉	-21°25'14"	-01°15'55"	00°46'45"	2.009
13/12/2029 00:00:00	♃	16°59'41" ♉	-15°57'59"	00°58'54"	00°11'57"	6.210



Ephemerides year 2029

13/12/2029 00:00:00	♃	19°19'14" ♉r	15°14'14"	-02°24'23"	-00°03'44"	8.278
13/12/2029 00:00:00	♃	16°19'27" ♉r	22°46'01"	00°02'03"	-00°02'32"	18.243
13/12/2029 00:00:00	♃	08°20'37" ♉r	01°54'57"	-01°30'54"	-00°00'13"	29.552
13/12/2029 00:00:00	♃	08°40'45" ♉	-23°32'56" ♉	-05°39'55"	00°01'21"	37.087
13/12/2029 00:00:00	♉	25°33'03" ♉r	-23°21'37"	00°00'00"	-00°00'03"	0.002
13/12/2029 00:00:00	♃	08°29'40" ♉r	13°01'10"	-01°23'10"	-00°01'57"	16.557
13/12/2029 00:00:00	♃	12°03'36" ♉	18°50'27"	03°33'48"	00°06'40"	0.003
13/12/2029 00:00:00	♉	25°33'03" ♉r	-23°21'37"	00°00'00"	-00°00'03"	0.002
13/12/2029 00:00:00	♃	06°20'19" ♉r	17°24'54"	04°00'45"	-00°36'08"	0.003
13/12/2029 00:00:00	X	25°38'14" ♉r	00°44'47"	-09°49'21"	-00°00'19"	94.614
13/12/2029 00:00:00	Y	03°44'45" ♉r	09°10'58"	-11°54'50"	-00°00'36"	81.125
14/12/2029 00:00:00	♃	22°16'27" ♉	-23°12'34"	00°00'00"	01°01'00"	0.984
14/12/2029 00:00:00	♃	06°16'58" ♉	07°16'07"	05°12'05"	12°01'45"	0.003
14/12/2029 00:00:00	♃	12°47'16" ♉	-24°42'52" ♉	-01°54'10"	01°02'10"	1.010
14/12/2029 00:00:00	♃	23°50'53" ♉	-22°25'31"	-01°06'41"	00°07'10"	0.334
14/12/2029 00:00:00	♃	00°36'13" ♉	-21°14'57"	-01°15'40"	00°46'47"	2.013
14/12/2029 00:00:00	♃	17°11'37" ♉	-16°01'18"	00°58'57"	00°11'53"	6.201
14/12/2029 00:00:00	♃	19°15'32" ♉r	15°13'27"	-02°24'10"	-00°03'39"	8.287
14/12/2029 00:00:00	♃	16°16'54" ♉r	22°45'46"	00°02'04"	-00°02'32"	18.244

Ephemerides year 2029

14/12/2029 00:00:00	♁	08°20'25" ♄	01°54'54"	-01°30'51"	-00°00'11"	29.569
14/12/2029 00:00:00	♁	08°42'07" ♁	-23°32'32"	o-05°39'53"	00°01'23"	37.100
14/12/2029 00:00:00	♁	25°32'55" ♄	-23°21'36"	00°00'00"	-00°00'12"	0.002
14/12/2029 00:00:00	♁	08°27'44" ♄	13°00'31"	-01°23'11"	-00°01'54"	16.568
14/12/2029 00:00:00	♁	12°10'17" ♄	18°51'55"	03°33'09"	00°06'40"	0.003
14/12/2029 00:00:00	T♁	25°32'55" ♄	-23°21'36"	00°00'00"	-00°00'12"	0.002
14/12/2029 00:00:00	T♁	06°03'38" ♄	17°20'15"	04°01'45"	00°00'19"	0.003
14/12/2029 00:00:00	X	25°37'54" ♄	00°44'47"	-09°49'14"	-00°00'19"	94.628
14/12/2029 00:00:00	Y	03°44'08" ♄	09°10'54"	-11°54'47"	-00°00'36"	81.129
15/12/2029 00:00:00	♁	23°17'28" ♄	-23°15'53"	00°00'00"	01°01'01"	0.984
15/12/2029 00:00:00	♁	18°14'17" ♄	11°39'48"	04°53'09"	11°53'36"	0.003
15/12/2029 00:00:00	♁	13°47'10" ♄	-24°29'27"	o-01°46'44"	00°57'30"	0.986
15/12/2029 00:00:00	♁	23°56'52" ♄	-22°13'17"	-00°55'18"	00°04'49"	0.329
15/12/2029 00:00:00	♁	01°23'01" ♁	-21°04'25"	-01°15'24"	00°46'48"	2.017
15/12/2029 00:00:00	♁	17°23'28" ♄	-16°04'35"	00°59'00"	00°11'49"	6.191
15/12/2029 00:00:00	♁	19°11'55" ♄	15°12'41"	-02°23'58"	-00°03'34"	8.296
15/12/2029 00:00:00	♁	16°14'23" ♄	22°45'31"	00°02'04"	-00°02'31"	18.246
15/12/2029 00:00:00	♁	08°20'15" ♄	01°54'53"	-01°30'48"	-00°00'09"	29.586
15/12/2029 00:00:00	♁	08°43'31" ♁	-23°32'07"	o-05°39'50"	00°01'24"	37.113

Ephemerides year 2029

15/12/2029 00:00:00	♏	25°32'41" <span style="color:red">♏r</span>	-23°21'36"	00°00'00"	-00°00'14"	0.002
15/12/2029 00:00:00	♋	08°25'51" <span style="color:red">♏r</span>	12°59'54"	-01°23'13"	-00°01'51"	16.580
15/12/2029 00:00:00	♏	12°16'58" <span style="color:red">♏</span>	18°53'23"	03°32'31"	00°06'40"	0.003
15/12/2029 00:00:00	T♏	25°32'41" <span style="color:red">♏r</span>	-23°21'36"	00°00'00"	-00°00'14"	0.002
15/12/2029 00:00:00	T♏	06°15'49" <span style="color:red">♏</span>	17°23'38"	04°01'01"	00°21'28"	0.003
15/12/2029 00:00:00	X	25°37'35" <span style="color:red">♏r</span>	00°44'47"	-09°49'06"	-00°00'18"	94.642
15/12/2029 00:00:00	Y	03°43'32" <span style="color:red">♏r</span>	09°10'51"	-11°54'44"	-00°00'36"	81.134
16/12/2029 00:00:00	♏	24°18'30" <span style="color:red">♏</span>	-23°18'45"	00°00'00"	01°01'01"	0.984
16/12/2029 00:00:00	♏	00°05'38" <span style="color:red">♏</span>	15°35'03"	04°21'50"	11°49'45"	0.003
16/12/2029 00:00:00	♏	14°42'04" <span style="color:red">♏</span>	-24°15'06"	o-01°38'13"	00°52'09"	0.961
16/12/2029 00:00:00	♏	24°00'30" <span style="color:red">♏</span>	-22°01'02"	-00°43'30"	00°02'25"	0.324
16/12/2029 00:00:00	♏	02°09'50" <span style="color:red">♏</span>	-20°53'39"	-01°15'08"	00°46'50"	2.021
16/12/2029 00:00:00	♏	17°35'16" <span style="color:red">♏</span>	-16°07'51"	00°59'02"	00°11'46"	6.181
16/12/2029 00:00:00	♏	19°08'23" <span style="color:red">♏r</span>	15°11'56"	-02°23'45"	-00°03'29"	8.305
16/12/2029 00:00:00	♏	16°11'51" <span style="color:red">♏r</span>	22°45'16"	00°02'05"	-00°02'31"	18.248
16/12/2029 00:00:00	♏	08°20'07" <span style="color:red">♏r</span>	01°54'52"	-01°30'46"	-00°00'07"	29.602
16/12/2029 00:00:00	♏	08°44'55" <span style="color:red">♏</span>	-23°31'42"	o-05°39'48"	00°01'25"	37.126
16/12/2029 00:00:00	♏	25°32'29" <span style="color:red">♏r</span>	-23°21'35"	00°00'00"	-00°00'09"	0.002
16/12/2029 00:00:00	♏	08°24'01" <span style="color:red">♏r</span>	12°59'17"	-01°23'14"	-00°01'49"	16.591

Ephemerides year 2029

16/12/2029 00:00:00	☾	12°23'38" ♂	18°54'50"	03°31'52"	00°06'40"	0.003
16/12/2029 00:00:00	♄	25°32'29" ♀	-23°21'35"	00°00'00"	-00°00'09"	0.002
16/12/2029 00:00:00	♄	06°41'54" ♂	17°30'52"	03°59'26"	00°28'43"	0.003
16/12/2029 00:00:00	X	25°37'17" ♀	00°44'48"	-09°48'59"	-00°00'17"	94.657
16/12/2029 00:00:00	Y	03°42'55" ♀	09°10'48"	-11°54'40"	-00°00'35"	81.140
17/12/2029 00:00:00	☉	25°19'32" ♀	-23°21'08"	00°00'00"	01°01'02"	0.984
17/12/2029 00:00:00	☾	11°55'06" ♂	18°53'10"	03°39'27"	11°49'47"	0.003
17/12/2029 00:00:00	♁	15°31'14" ♀	-23°59'56"	0-01°28'35"	00°46'03"	0.936
17/12/2029 00:00:00	♀	24°01'42" ♀	-21°48'46"	-00°31'16"	-00°00'01"	0.319
17/12/2029 00:00:00	♂	02°56'41" ♀	-20°42'40"	-01°14'52"	00°46'51"	2.024
17/12/2029 00:00:00	♃	17°47'01" ♀	-16°11'04"	00°59'05"	00°11'42"	6.171
17/12/2029 00:00:00	♅	19°04'55" ♂	15°11'13"	-02°23'31"	-00°03'24"	8.315
17/12/2029 00:00:00	♁	16°09'21" ♀	22°45'01"	00°02'06"	-00°02'30"	18.251
17/12/2029 00:00:00	♁	08°20'01" ♀	01°54'52"	-01°30'43"	-00°00'04"	29.619
17/12/2029 00:00:00	♁	08°46'21" ♀	-23°31'16"	0-05°39'46"	00°01'26"	37.139
17/12/2029 00:00:00	♄	25°32'23" ♀	-23°21'35"	00°00'00"	-00°00'01"	0.002
17/12/2029 00:00:00	♁	08°22'13" ♂	12°58'42"	-01°23'15"	-00°01'46"	16.602
17/12/2029 00:00:00	☾	12°30'19" ♂	18°56'18"	03°31'14"	00°06'40"	0.003
17/12/2029 00:00:00	♄	25°32'23" ♀	-23°21'35"	00°00'00"	-00°00'01"	0.002

Ephemerides year 2029

17/12/2029 00:00:00	T♄	07°10'26" ♂	17°38'43"	03°57'41"	00°27'40"	0.003
17/12/2029 00:00:00	X	25°36'59" ♀	00°44'49"	-09°48'51"	-00°00'17"	94.671
17/12/2029 00:00:00	Y	03°42'20" ♀	09°10'45"	-11°54'37"	-00°00'35"	81.145
18/12/2029 00:00:00	♁	26°20'35" ♂	-23°23'03"	00°00'00"	01°01'02"	0.984
18/12/2029 00:00:00	♂	23°46'20" ♂	21°24'59"	02°47'34"	11°53'10"	0.003
18/12/2029 00:00:00	♀	16°13'54" ♀	-23°44'07"	o-01°17'46"	00°39'08"	0.912
18/12/2029 00:00:00	♀	24°00'27" ♀	-21°36'31"	-00°18'37"	-00°02'29"	0.314
18/12/2029 00:00:00	♂	03°43'34" ♀	-20°31'26"	-01°14'35"	00°46'53"	2.028
18/12/2029 00:00:00	♃	17°58'41" ♀	-16°14'16"	00°59'08"	00°11'38"	6.161
18/12/2029 00:00:00	♃	19°01'33" ♂	15°10'31"	-02°23'18"	-00°03'19"	8.325
18/12/2029 00:00:00	♃	16°06'50" ♀	22°44'46"	00°02'06"	-00°02'29"	18.254
18/12/2029 00:00:00	♃	08°19'57" ♀	01°54'53"	-01°30'40"	-00°00'02"	29.636
18/12/2029 00:00:00	♃	08°47'49" ♀	-23°30'51"	o-05°39'44"	00°01'27"	37.151
18/12/2029 00:00:00	♁	25°32'25" ♂	-23°21'35"	00°00'00"	00°00'05"	0.002
18/12/2029 00:00:00	♃	08°20'28" ♂	12°58'07"	-01°23'16"	-00°01'43"	16.614
18/12/2029 00:00:00	♃	12°37'00" ♂	18°57'45"	03°30'35"	00°06'40"	0.003
18/12/2029 00:00:00	T♁	25°32'25" ♂	-23°21'35"	00°00'00"	00°00'05"	0.002
18/12/2029 00:00:00	T♄	07°37'45" ♂	17°46'10"	03°56'00"	00°28'15"	0.003
18/12/2029 00:00:00	X	25°36'43" ♀	00°44'50"	-09°48'44"	-00°00'16"	94.686

Ephemerides year 2029

18/12/2029 00:00:00	Y	03°41'44" ♀	09°10'43"	-11°54'33"	-00°00'35"	81.151
19/12/2029 00:00:00	☉	27°21'38" ♄	-23°24'31"	00°00'00"	01°01'03"	0.984
19/12/2029 00:00:00	☾	05°42'22" ♀	23°01'32"	01°48'02"	11°59'19"	0.003
19/12/2029 00:00:00	♀	16°49'13" ♄	-23°27'48"	0-01°05'43"	00°31'20"	0.887
19/12/2029 00:00:00	♀	23°56'42" ♄	-21°24'18"	-00°05'33"	-00°04'59"	0.310
19/12/2029 00:00:00	♂	04°30'28" ♁	-20°20'00"	-01°14'17"	00°46'54"	2.032
19/12/2029 00:00:00	♃	18°10'18" ♃	-16°17'26"	00°59'11"	00°11'34"	6.151
19/12/2029 00:00:00	♅	18°58'15" ♄	15°09'51"	-02°23'04"	-00°03'14"	8.335
19/12/2029 00:00:00	♁	16°04'21" ♀	22°44'31"	00°02'07"	-00°02'29"	18.257
19/12/2029 00:00:00	♃	08°19'55" ♄	01°54'55"	-01°30'37"	-00°00'00"	29.653
19/12/2029 00:00:00	♁	08°49'17" ♁	-23°30'25"	0-05°39'42"	00°01'28"	37.163
19/12/2029 00:00:00	♁	25°32'33" ♄	-23°21'35"	00°00'00"	00°00'09"	0.002
19/12/2029 00:00:00	♃	08°18'47" ♄	12°57'33"	-01°23'18"	-00°01'40"	16.626
19/12/2029 00:00:00	♁	12°43'41" ♄	18°59'11"	03°29'56"	00°06'40"	0.003
19/12/2029 00:00:00	T♁	25°32'33" ♄	-23°21'35"	00°00'00"	00°00'09"	0.002
19/12/2029 00:00:00	T♁	08°11'51" ♄	17°55'22"	03°53'53"	00°43'27"	0.003
19/12/2029 00:00:00	X	25°36'26" ♄	00°44'51"	-09°48'36"	-00°00'16"	94.701
19/12/2029 00:00:00	Y	03°41'09" ♀	09°10'40"	-11°54'29"	-00°00'34"	81.157
20/12/2029 00:00:00	☉	28°22'42" ♄	-23°25'30"	00°00'00"	01°01'04"	0.984

Ephemerides year 2029

20/12/2029 00:00:00	♃	17°45'43" ♀	23°35'15" ♀	00°43'07"	12°07'41"	0.003
20/12/2029 00:00:00	♃	17°16'17" ♀	-23°11'10"	-00°52'24"	00°22'38"	0.862
20/12/2029 00:00:00	♃	23°50'27" ♀	-21°12'08"	00°07'54"	-00°07'30"	0.305
20/12/2029 00:00:00	♃	05°17'24" ♀	-20°08'20"	-01°14'00"	00°46'56"	2.036
20/12/2029 00:00:00	♃	18°21'50" ♀	-16°20'34"	00°59'14"	00°11'30"	6.140
20/12/2029 00:00:00	♃	18°55'03" ♀	15°09'12"	-02°22'50"	-00°03'09"	8.346
20/12/2029 00:00:00	♃	16°01'52" ♀	22°44'16"	00°02'07"	-00°02'28"	18.260
20/12/2029 00:00:00	♃	08°19'55" ♀	01°54'58"	-01°30'35"	00°00'01"	29.670
20/12/2029 00:00:00	♃	08°50'46" ♀	-23°29'59" ♀	-05°39'40"	00°01'29"	37.175
20/12/2029 00:00:00	♃	25°32'42" ♀	-23°21'36"	00°00'00"	00°00'06"	0.003
20/12/2029 00:00:00	♃	08°17'08" ♀	12°57'01"	-01°23'19"	-00°01'37"	16.638
20/12/2029 00:00:00	♃	12°50'22" ♀	19°00'38"	03°29'17"	00°06'40"	0.003
20/12/2029 00:00:00	♃	25°32'42" ♀	-23°21'36"	00°00'00"	00°00'06"	0.003
20/12/2029 00:00:00	♃	09°13'22" ♀	18°11'43"	03°49'58"	01°24'24"	0.003
20/12/2029 00:00:00	X	25°36'10" ♀	00°44'53"	-09°48'28"	-00°00'15"	94.716
20/12/2029 00:00:00	Y	03°40'34" ♀	09°10'38"	-11°54'25"	-00°00'34"	81.164
21/12/2029 00:00:00	♃	29°23'46" ♀	-23°26'01"	-00°00'00"	01°01'04"	0.984
21/12/2029 00:00:00	♃	29°58'19" ♀	23°01'31"	-00°24'34"	12°17'44"	0.003
21/12/2029 00:00:00	♃	17°34'13" ♀	-22°54'24"	-00°37'50"	00°13'03"	0.837

Ephemerides year 2029

21/12/2029 00:00:00	♀	23°41'41" ♍	-21°00'00"	00°21'45"	-00°10'01"	0.301
21/12/2029 00:00:00	♂	06°04'20" ♋	-19°56'27"	-01°13'41"	00°46'57"	2.040
21/12/2029 00:00:00	♃	18°33'18" ♎	-16°23'40"	00°59'17"	00°11'26"	6.129
21/12/2029 00:00:00	♅	18°51'56" ♊	15°08'35"	-02°22'36"	-00°03'04"	8.356
21/12/2029 00:00:00	♁	15°59'25" ♉	22°44'01"	00°02'08"	-00°02'27"	18.264
21/12/2029 00:00:00	♃	08°19'58" ♎	01°55'01"	-01°30'32"	00°00'03"	29.687
21/12/2029 00:00:00	♁	08°52'17" ♋	-23°29'33"	♁-05°39'38"	00°01'30"	37.187
21/12/2029 00:00:00	♁	25°32'43" ♎	-23°21'36"	00°00'00"	-00°00'04"	0.003
21/12/2029 00:00:00	♃	08°15'33" ♊	12°56'29"	-01°23'20"	-00°01'33"	16.651
21/12/2029 00:00:00	♁	12°57'03" ♊	19°02'04"	03°28'38"	00°06'40"	0.003
21/12/2029 00:00:00	T♁	25°32'43" ♎	-23°21'36"	00°00'00"	-00°00'04"	0.003
21/12/2029 00:00:00	T♁	11°09'54" ♊	18°41'45"	03°42'22"	02°32'34"	0.003
21/12/2029 00:00:00	X	25°35'55" ♎	00°44'55"	-09°48'20"	-00°00'14"	94.731
21/12/2029 00:00:00	Y	03°40'00" ♉	09°10'36"	-11°54'21"	-00°00'34"	81.170
22/12/2029 00:00:00	♁	00°24'51" ♎	-23°26'03"	-00°00'00"	01°01'05"	0.984
22/12/2029 00:00:00	♃	12°21'37" ♎	21°19'57"	-01°32'04"	12°29'02"	0.003
22/12/2029 00:00:00	♃	17°42'08" ♎	-22°37'41"	-00°22'01"	00°02'38"	0.813
22/12/2029 00:00:00	♀	23°30'25" ♎	-20°47'55"	00°35'57"	-00°12'31"	0.297
22/12/2029 00:00:00	♂	06°51'19" ♋	-19°44'21"	-01°13'23"	00°46'58"	2.043



Ephemerides year 2029

22/12/2029 00:00:00	♃	18°44'42" ♍	-16°26'44"	00°59'21"	00°11'21"	6.119
22/12/2029 00:00:00	♃	18°48'55" ♂	15°08'00"	-02°22'22"	-00°02'58"	8.367
22/12/2029 00:00:00	♃	15°56'57" ♀	22°43'46"	00°02'08"	-00°02'26"	18.268
22/12/2029 00:00:00	♃	08°20'02" ♀	01°55'06"	-01°30'29"	00°00'05"	29.705
22/12/2029 00:00:00	♃	08°53'48" ♀	-23°29'07"	0-05°39'37"	00°01'31"	37.199
22/12/2029 00:00:00	♃	25°32'31" ♂	-23°21'35"	00°00'00"	-00°00'20"	0.003
22/12/2029 00:00:00	♃	08°14'00" ♂	12°55'59"	-01°23'20"	-00°01'30"	16.663
22/12/2029 00:00:00	♃	13°03'44" ♂	19°03'30"	03°27'59"	00°06'40"	0.003
22/12/2029 00:00:00	♃	25°32'31" ♂	-23°21'35"	00°00'00"	-00°00'20"	0.003
22/12/2029 00:00:00	♃	14°23'33" ♂	19°28'53"	03°29'10"	03°55'29"	0.003
22/12/2029 00:00:00	X	25°35'41" ♀	00°44'57"	-09°48'13"	-00°00'14"	94.746
22/12/2029 00:00:00	Y	03°39'26" ♀	09°10'34"	-11°54'17"	-00°00'33"	81.177
23/12/2029 00:00:00	♃	01°25'56" ♂	-23°25'38"	-00°00'00"	01°01'05"	0.984
23/12/2029 00:00:00	♃	24°56'44" ♀	18°34'36"	-02°36'08"	12°41'19"	0.003
23/12/2029 00:00:00	♃	17°39'17" ♂	-22°21'13"	-00°05'02"	-00°08'28"	0.790
23/12/2029 00:00:00	♃	23°16'39" ♂	-20°35'56"	00°50'28"	-00°14'59"	0.293
23/12/2029 00:00:00	♃	07°38'18" ♀	-19°32'02"	-01°13'04"	00°47'00"	2.047
23/12/2029 00:00:00	♃	18°56'02" ♍	-16°29'46"	00°59'24"	00°11'17"	6.108
23/12/2029 00:00:00	♃	18°45'59" ♂	15°07'26"	-02°22'07"	-00°02'53"	8.378

Ephemerides year 2029

23/12/2029 00:00:00	♃	15°54'31" ♀r	22°43'31"	00°02'09"	-00°02'25"	18.272
23/12/2029 00:00:00	♃	08°20'09" ♀r	01°55'11"	-01°30'26"	00°00'07"	29.722
23/12/2029 00:00:00	♃	08°55'20" ♀r	-23°28'40"	o-05°39'35"	00°01'32"	37.210
23/12/2029 00:00:00	♃	25°32'01" ♀r	-23°21'34"	00°00'00"	-00°00'39"	0.002
23/12/2029 00:00:00	♃	08°12'31" ♀r	12°55'29"	-01°23'21"	-00°01'27"	16.676
23/12/2029 00:00:00	♃	13°10'25" ♀r	19°04'55"	03°27'19"	00°06'40"	0.003
23/12/2029 00:00:00	T♃	25°32'01" ♀r	-23°21'34"	00°00'00"	-00°00'39"	0.002
23/12/2029 00:00:00	T♃	18°58'20" ♀r	20°29'32"	03°09'20"	05°10'43"	0.003
23/12/2029 00:00:00	X	25°35'27" ♀r	00°44'59"	-09°48'05"	-00°00'13"	94.762
23/12/2029 00:00:00	Y	03°38'52" ♀r	09°10'32"	-11°54'13"	-00°00'33"	81.184
24/12/2029 00:00:00	♃	02°27'02" ♀r	-23°24'44"	-00°00'00"	01°01'06"	0.984
24/12/2029 00:00:00	♃	07°44'31" ♀r	14°53'22"	-03°33'27"	12°54'21"	0.003
24/12/2029 00:00:00	♃	17°25'01" ♀r	-22°05'11"	00°12'58"	-00°20'05"	0.768
24/12/2029 00:00:00	♃	23°00'26" ♀r	-20°24'01"	01°05'18"	-00°17'25"	0.289
24/12/2029 00:00:00	♃	08°25'19" ♀r	-19°19'31"	-01°12'44"	00°47'01"	2.051
24/12/2029 00:00:00	♃	19°07'17" ♀r	-16°32'47"	00°59'28"	00°11'12"	6.096
24/12/2029 00:00:00	♃	18°43'08" ♀r	15°06'54"	-02°21'53"	-00°02'47"	8.390
24/12/2029 00:00:00	♃	15°52'06" ♀r	22°43'17"	00°02'10"	-00°02'24"	18.277
24/12/2029 00:00:00	♃	08°20'17" ♀r	01°55'17"	-01°30'24"	00°00'09"	29.739

Ephemerides year 2029

24/12/2029 00:00:00	♁	08°56'54" ♁	-23°28'14" ♁	-05°39'34"	00°01'33"	37.221
24/12/2029 00:00:00	♁	25°31'13" ♁	-23°21'33"	00°00'00"	-00°00'56"	0.002
24/12/2029 00:00:00	♁	08°11'05" ♁	12°55'01"	-01°23'22"	-00°01'24"	16.689
24/12/2029 00:00:00	♁	13°17'06" ♁	19°06'21"	03°26'40"	00°06'40"	0.003
24/12/2029 00:00:00	♁	25°31'13" ♁	-23°21'33"	00°00'00"	-00°00'56"	0.002
24/12/2029 00:00:00	♁	24°34'34" ♁	21°33'02"	02°43'25"	05°54'54"	0.003
24/12/2029 00:00:00	X	25°35'13" ♁	00°45'02"	-09°47'57"	-00°00'13"	94.777
24/12/2029 00:00:00	Y	03°38'19" ♁	09°10'31"	-11°54'08"	-00°00'33"	81.192
25/12/2029 00:00:00	♁	03°28'08" ♁	-23°23'22"	-00°00'00"	01°01'06"	0.984
25/12/2029 00:00:00	♁	20°45'40" ♁	10°26'46"	-04°20'47"	13°08'02"	0.003
25/12/2029 00:00:00	♁	16°59'01" ♁	-21°49'45"	00°31'52"	-00°31'55"	0.748
25/12/2029 00:00:00	♁	22°41'49" ♁	-20°12'12"	01°20'23"	-00°19'47"	0.286
25/12/2029 00:00:00	♁	09°12'20" ♁	-19°06'47"	-01°12'24"	00°47'02"	2.055
25/12/2029 00:00:00	♁	19°18'28" ♁	-16°35'45"	00°59'31"	00°11'08"	6.085
25/12/2029 00:00:00	♁	18°40'23" ♁	15°06'24"	-02°21'38"	-00°02'42"	8.401
25/12/2029 00:00:00	♁	15°49'42" ♁	22°43'02"	00°02'10"	-00°02'23"	18.282
25/12/2029 00:00:00	♁	08°20'28" ♁	01°55'24"	-01°30'21"	00°00'11"	29.756
25/12/2029 00:00:00	♁	08°58'28" ♁	-23°27'47" ♁	-05°39'33"	00°01'34"	37.232
25/12/2029 00:00:00	♁	25°30'11" ♁	-23°21'31"	00°00'00"	-00°01'04"	0.002

Ephemerides year 2029

25/12/2029 00:00:00	♁	08°09'41" ♀	12°54'34"	-01°23'23"	-00°01'21"	16.702
25/12/2029 00:00:00	♁	13°23'47" ♀	19°07'45"	03°26'00"	00°06'40"	0.003
25/12/2029 00:00:00	♁	25°30'11" ♀	-23°21'31"	00°00'00"	-00°01'04"	0.002
25/12/2029 00:00:00	♁	00°32'29" ♀	22°26'45"	02°14'07"	05°52'27"	0.003
25/12/2029 00:00:00	X	25°35'01" ♀	00°45'05"	-09°47'49"	-00°00'12"	94.793
25/12/2029 00:00:00	Y	03°37'46" ♀	09°10'30"	-11°54'04"	-00°00'32"	81.200
26/12/2029 00:00:00	♁	04°29'15" ♀	-23°21'32"	-00°00'00"	01°01'07"	0.983
26/12/2029 00:00:00	♁	04°00'49" ♀	05°26'53"	-04°55'08"	13°22'19"	0.003
26/12/2029 00:00:00	♁	16°21'15" ♀	-21°35'02"	00°51'21"	-00°43'32"	0.730
26/12/2029 00:00:00	♁	22°20'53" ♀	-20°00'29"	01°35'42"	-00°22'04"	0.283
26/12/2029 00:00:00	♁	09°59'23" ♀	-18°53'50"	-01°12'04"	00°47'03"	2.058
26/12/2029 00:00:00	♁	19°29'34" ♀	-16°38'41"	00°59'35"	00°11'03"	6.073
26/12/2029 00:00:00	♁	18°37'44" ♀	15°05'55"	-02°21'23"	-00°02'36"	8.413
26/12/2029 00:00:00	♁	15°47'19" ♀	22°42'48"	00°02'11"	-00°02'22"	18.287
26/12/2029 00:00:00	♁	08°20'41" ♀	01°55'31"	-01°30'18"	00°00'13"	29.774
26/12/2029 00:00:00	♁	09°00'03" ♀	-23°27'20"	-05°39'32"	00°01'35"	37.242
26/12/2029 00:00:00	♁	25°29'08" ♀	-23°21'28"	00°00'00"	-00°01'00"	0.002
26/12/2029 00:00:00	♁	08°08'22" ♀	12°54'07"	-01°23'24"	-00°01'18"	16.716
26/12/2029 00:00:00	♁	13°30'28" ♀	19°09'10"	03°25'21"	00°06'40"	0.003

Ephemerides year 2029

26/12/2029 00:00:00	T♄	25°29'08" ♏	-23°21'28"	00°00'00"	-00°01'00"	0.002
26/12/2029 00:00:00	T♄	06°02'38" ♏	23°02'53"	01°45'47"	04°59'53"	0.003
26/12/2029 00:00:00	X	25°34'48" ♏	00°45'08"	-09°47'41"	-00°00'11"	94.809
26/12/2029 00:00:00	Y	03°37'13" ♏	09°10'29"	-11°53'59"	-00°00'32"	81.208
27/12/2029 00:00:00	☉	05°30'23" ♏	-23°19'14"	-00°00'00"	01°01'07"	0.983
27/12/2029 00:00:00	☾	17°30'29" ♏	00°06'50"	-05°13'57"	13°37'03"	0.003
27/12/2029 00:00:00	☿	15°32'09" ♏	-21°21'11"	01°11'07"	-00°54'29"	0.713
27/12/2029 00:00:00	♀	21°57'42" ♏	-19°48'53"	01°51'12"	-00°24'15"	0.280
27/12/2029 00:00:00	♂	10°46'28" ♏	-18°40'42"	-01°11'43"	00°47'04"	2.062
27/12/2029 00:00:00	♃	19°40'35" ♏	-16°41'35"	00°59'39"	00°10'58"	6.062
27/12/2029 00:00:00	♅	18°35'10" ♏	15°05'28"	-02°21'07"	-00°02'30"	8.425
27/12/2029 00:00:00	♁	15°44'57" ♏	22°42'33"	00°02'11"	-00°02'21"	18.293
27/12/2029 00:00:00	♆	08°20'55" ♏	01°55'40"	-01°30'15"	00°00'15"	29.791
27/12/2029 00:00:00	♁	09°01'39" ♏	-23°26'53"	-05°39'31"	00°01'36"	37.253
27/12/2029 00:00:00	♁	25°28'14" ♏	-23°21'27"	00°00'00"	-00°00'43"	0.002
27/12/2029 00:00:00	♆	08°07'05" ♏	12°53'42"	-01°23'24"	-00°01'15"	16.729
27/12/2029 00:00:00	♁	13°37'08" ♏	19°10'34"	03°24'41"	00°06'40"	0.003
27/12/2029 00:00:00	T♄	25°28'14" ♏	-23°21'27"	00°00'00"	-00°00'43"	0.002
27/12/2029 00:00:00	T♄	10°18'23" ♏	23°21'40"	01°23'08"	03°26'03"	0.003

Ephemerides year 2029

27/12/2029 00:00:00	X	25°34'37" ♄	00°45'11"	-09°47'33"	-00°00'11"	94.825	
27/12/2029 00:00:00	Y	03°36'41" ♀	09°10'28"	-11°53'54"	-00°00'32"	81.216	
28/12/2029 00:00:00	☉	06°31'31" ♄	-23°16'27"	-00°00'00"	01°01'08"	0.983	
28/12/2029 00:00:00	☾	01°14'59" ♄	-05°19'07"	-05°15'23"	13°51'55"	0.003	
28/12/2029 00:00:00	♀	14°32'40" ♄	-21°08'16"	01°30'44"	-01°04'13"	0.699	
28/12/2029 00:00:00	♀	21°32'24" ♄	-19°37'25"	02°06'48"	-00°26'19"	0.277	
28/12/2029 00:00:00	♂	11°33'33" ♃	-18°27'22"	-01°11'22"	00°47'05"	2.066	
28/12/2029 00:00:00	♃	19°51'32" ♃	-16°44'27"	00°59'43"	00°10'54"	6.050	
28/12/2029 00:00:00	♃	18°32'42" ♄	15°05'02"	-02°20'52"	-00°02'24"	8.437	
28/12/2029 00:00:00	♃	15°42'36" ♀	22°42'19"	00°02'12"	-00°02'20"	18.298	
28/12/2029 00:00:00	♃	08°21'12" ♄	01°55'49"	-01°30'12"	00°00'17"	29.808	
28/12/2029 00:00:00	♃	09°03'16" ♃	-23°26'26"	o-05°39'30"	00°01'37"	37.263	
28/12/2029 00:00:00	♃	25°27'45" ♄	-23°21'26"	00°00'00"	-00°00'14"	0.002	
28/12/2029 00:00:00	♃	08°05'51" ♄	12°53'18"	-01°23'25"	-00°01'11"	16.743	
28/12/2029 00:00:00	♃	13°43'49" ♄	19°11'58"	03°24'01"	00°06'40"	0.003	
28/12/2029 00:00:00	T♃	25°27'45" ♄	-23°21'26"	00°00'00"	-00°00'14"	0.002	
28/12/2029 00:00:00	T♃	12°47'31" ♀	23°28'49"	o	01°09'43"	01°30'50"	0.003
28/12/2029 00:00:00	X	25°34'26" ♄	00°45'15"	-09°47'25"	-00°00'10"	94.840	
28/12/2029 00:00:00	Y	03°36'09" ♀	09°10'27"	-11°53'49"	-00°00'31"	81.224	

Ephemerides year 2029

29/12/2029 00:00:00	☉	07°32'39" ♏	-23°13'13"	-00°00'00"	01°01'08"	0.983
29/12/2029 00:00:00	☾	15°14'11" ♏	-10°35'00"	-04°58'24"	14°06'19"	0.002
29/12/2029 00:00:00	♃	13°24'17" ♏	-20°56'22"	01°49'46"	-01°12'13"	0.688
29/12/2029 00:00:00	♄	21°05'06" ♏	-19°26'06"	02°22'29"	-00°28'14"	0.275
29/12/2029 00:00:00	♅	12°20'39" ♏	-18°13'49"	-01°11'01"	00°47'06"	2.070
29/12/2029 00:00:00	♆	20°02'23" ♏	-16°47'18"	00°59'47"	00°10'49"	6.038
29/12/2029 00:00:00	♇	18°30'20" ♏	15°04'39"	-02°20'36"	-00°02'18"	8.450
29/12/2029 00:00:00	♈	15°40'17" ♏	22°42'04"	00°02'12"	-00°02'18"	18.305
29/12/2029 00:00:00	♉	08°21'31" ♏	01°55'59"	-01°30'10"	00°00'20"	29.826
29/12/2029 00:00:00	♊	09°04'54" ♏	-23°25'59"	-05°39'30"	00°01'38"	37.273
29/12/2029 00:00:00	♋	25°27'48" ♏	-23°21'26"	00°00'00"	00°00'20"	0.002
29/12/2029 00:00:00	♌	08°04'41" ♏	12°52'55"	-01°23'25"	-00°01'08"	16.757
29/12/2029 00:00:00	♍	13°50'30" ♏	19°13'22"	03°23'21"	00°06'40"	0.003
29/12/2029 00:00:00	♎	25°27'48" ♏	-23°21'26"	00°00'00"	00°00'20"	0.002
29/12/2029 00:00:00	♏	13°22'35" ♏	23°30'06" ♏	01°06'33"	-00°16'46"	0.003
29/12/2029 00:00:00	♐	25°34'16" ♏	00°45'19"	-09°47'17"	-00°00'10"	94.857
29/12/2029 00:00:00	♑	03°35'37" ♏	09°10'27"	-11°53'44"	-00°00'31"	81.233
30/12/2029 00:00:00	☉	08°33'48" ♏	-23°09'30"	-00°00'00"	01°01'09"	0.983
30/12/2029 00:00:00	☾	29°27'10" ♏	-15°22'28"	-04°23'04"	14°19'19"	0.002

Ephemerides year 2029

30/12/2029 00:00:00	♀	12°08'58" ♄	-20°45'34"	02°07'44"	-01°18'00"	0.680
30/12/2029 00:00:00	♀	20°35'58" ♄	-19°14'57"	02°38'11"	-00°30'00"	0.273
30/12/2029 00:00:00	♂	13°07'46" ♃	-18°00'06"	-01°10'39"	00°47'07"	2.073
30/12/2029 00:00:00	♃	20°13'10" ♃	-16°50'06"	00°59'51"	00°10'44"	6.026
30/12/2029 00:00:00	♃	18°28'05" ♄	15°04'17"	-02°20'20"	-00°02'12"	8.462
30/12/2029 00:00:00	♃	15°37'59" ♃	22°41'50"	00°02'13"	-00°02'17"	18.311
30/12/2029 00:00:00	♃	08°21'52" ♄	01°56'10"	-01°30'07"	00°00'22"	29.843
30/12/2029 00:00:00	♃	09°06'33" ♃	-23°25'32"	-05°39'29"	00°01'39"	37.282
30/12/2029 00:00:00	♃	25°28'25" ♄	-23°21'27"	00°00'00"	00°00'51"	0.002
30/12/2029 00:00:00	♃	08°03'34" ♄	12°52'33"	-01°23'26"	-00°01'05"	16.771
30/12/2029 00:00:00	♃	13°57'10" ♄	19°14'45"	03°22'41"	00°06'40"	0.003
30/12/2029 00:00:00	T♃	25°28'25" ♄	-23°21'27"	00°00'00"	00°00'51"	0.002
30/12/2029 00:00:00	T♃	12°26'25" ♃	23°28'01" ♃	01°11'40"	-01°27'42"	0.003
30/12/2029 00:00:00	X	25°34'06" ♄	00°45'23"	-09°47'09"	-00°00'09"	94.873
30/12/2029 00:00:00	Y	03°35'06" ♃	09°10'27"	-11°53'38"	-00°00'30"	81.242
31/12/2029 00:00:00	♃	09°34'58" ♄	-23°05'20"	-00°00'00"	01°01'09"	0.983
31/12/2029 00:00:00	♃	13°51'59" ♃	-19°20'55"	-03°30'49"	14°29'44"	0.002
31/12/2029 00:00:00	♀	10°49'08" ♄	-20°35'56"	02°24'11"	-01°21'14"	0.675
31/12/2029 00:00:00	♀	20°05'08" ♄	-19°03'59"	02°53'50"	-00°31'36"	0.271



Ephemerides year 2029

31/12/2029 00:00:00	♂	13°54'55" ♁	-17°46'10"	-01°10'16"	00°47'09"	2.077
31/12/2029 00:00:00	♃	20°23'51" ♃	-16°52'52"	00°59'56"	00°10'38"	6.013
31/12/2029 00:00:00	♃	18°25'55" ♂	15°03'57"	-02°20'04"	-00°02'06"	8.475
31/12/2029 00:00:00	♃	15°35'42" ♃	22°41'36"	00°02'13"	-00°02'15"	18.318
31/12/2029 00:00:00	♃	08°22'15" ♂	01°56'21"	-01°30'04"	00°00'24"	29.861
31/12/2029 00:00:00	♃	09°08'12" ♁	-23°25'04"	-05°39'29"	00°01'40"	37.292
31/12/2029 00:00:00	♁	25°29'27" ♂	-23°21'29"	00°00'00"	00°01'09"	0.002
31/12/2029 00:00:00	♃	08°02'31" ♂	12°52'12"	-01°23'26"	-00°01'01"	16.785
31/12/2029 00:00:00	♃	14°03'51" ♂	19°16'08"	03°22'01"	00°06'40"	0.003
31/12/2029 00:00:00	♁	25°29'27" ♂	-23°21'29"	00°00'00"	00°01'09"	0.002
31/12/2029 00:00:00	♃	10°43'29" ♃	23°23'09"	01°20'58"	-01°50'43"	0.003
31/12/2029 00:00:00	X	25°33'57" ♂	00°45'27"	-09°47'00"	-00°00'08"	94.889
31/12/2029 00:00:00	Y	03°34'36" ♃	09°10'27"	-11°53'33"	-00°00'30"	81.251