

Ephemerides year 2020

# Ephemeris Tables for the year 2020

## 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  
♁ = Eris  
♂♁ = Sedna

### Zodiacal Signs

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

### Asteroids and Other Points

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

Ephemerides year 2020

Date	Time	Planet	Longitude	Declination	Latitude	Speed	Radius
01/01/2020	00:00:00	♃	10°00'34" ♃	-23°03'31"	-00°00'00"	01°01'10"	0.983
01/01/2020	00:00:00	♄	16°08'18" ♃	-09°58'29"	-04°53'38"	11°54'38"	0.003
01/01/2020	00:00:00	♅	04°22'59" ♃	-24°38'08"	0-01°16'22"	01°34'29"	1.434
01/01/2020	00:00:00	♆	14°24'34" ♃	-18°15'55"	-01°50'20"	01°13'32"	1.278
01/01/2020	00:00:00	♁	28°23'04" ♃	-19°26'42"	00°21'41"	00°40'20"	2.184
01/01/2020	00:00:00	♂	06°40'13" ♃	-23°10'46"	00°05'18"	00°13'49"	6.209
01/01/2020	00:00:00	♂	21°23'41" ♃	-21°41'03"	00°03'06"	00°07'01"	10.996
01/01/2020	00:00:00	♁	02°41'38" ♃	11°56'30"	-00°29'37"	-00°00'31"	19.419
01/01/2020	00:00:00	♁	16°15'52" ♃	-06°21'53"	-01°01'35"	00°01'09"	30.315
01/01/2020	00:00:00	♁	22°23'08" ♃	-22°13'16"	-00°39'10"	00°01'58"	34.910
01/01/2020	00:00:00	♁	08°23'16" ♃	23°10'14"	00°00'00"	-00°00'09"	0.003
01/01/2020	00:00:00	♁	01°35'46" ♃	03°18'56"	02°55'19"	00°01'01"	18.946
01/01/2020	00:00:00	♁	27°03'05" ♃	-05°48'11"	-05°02'53"	00°06'43"	0.003
01/01/2020	00:00:00	♁	08°23'16" ♃	23°10'14"	00°00'00"	-00°00'09"	0.003
01/01/2020	00:00:00	♁	00°01'52" ♃	-04°47'05"	-05°13'47"	-01°21'32"	0.003
01/01/2020	00:00:00	X	23°13'50" ♃	-01°55'29"	-11°46'15"	-00°00'06"	95.787
01/01/2020	00:00:00	Y	27°04'29" ♃	07°47'23"	-12°00'53"	-00°00'26"	83.928

Ephemerides year 2020

02/01/2020 00:00:00	☉	11°01'44" ♍	-22°58'42"	-00°00'00"	01°01'09"	0.983
02/01/2020 00:00:00	☾	28°01'09" ♏	-05°33'26"	-05°11'59"	11°51'49"	0.003
02/01/2020 00:00:00	♀	05°57'38" ♍	-24°39'32"	0-01°21'30"	01°34'47"	1.436
02/01/2020 00:00:00	♀	15°38'05" ♏	-17°53'39"	-01°49'48"	01°13'29"	1.272
02/01/2020 00:00:00	♂	29°03'25" ♎	-19°36'07"	00°21'05"	00°40'21"	2.177
02/01/2020 00:00:00	♃	06°54'02" ♍	-23°10'10"	00°05'13"	00°13'49"	6.207
02/01/2020 00:00:00	♄	21°30'43" ♍	-21°40'01"	00°03'02"	00°07'01"	11.000
02/01/2020 00:00:00	♅	02°41'08" ♎	11°56'22"	-00°29'35"	-00°00'28"	19.435
02/01/2020 00:00:00	♆	16°17'02" ♏	-06°21'24"	-01°01'34"	00°01'11"	30.331
02/01/2020 00:00:00	♇	22°25'06" ♍	-22°13'02"	-00°39'15"	00°01'58"	34.914
02/01/2020 00:00:00	♈	08°23'06" ♎	23°10'15"	00°00'00"	-00°00'09"	0.003
02/01/2020 00:00:00	♉	01°36'50" ♏	03°19'09"	02°55'05"	00°01'04"	18.963
02/01/2020 00:00:00	♊	27°09'48" ♏	-05°45'40"	-05°03'03"	00°06'43"	0.003
02/01/2020 00:00:00	♋	08°23'06" ♎	23°10'15"	00°00'00"	-00°00'09"	0.003
02/01/2020 00:00:00	♌	28°49'50" ♏	-05°14'47"	-05°12'45"	-01°05'21"	0.003
02/01/2020 00:00:00	♍	23°13'43" ♏	-01°55'23"	-11°46'05"	-00°00'06"	95.803
02/01/2020 00:00:00	♎	27°04'03" ♎	07°47'23"	-12°00'47"	-00°00'25"	83.939
03/01/2020 00:00:00	☉	12°02'53" ♍	-22°53'25"	-00°00'00"	01°01'09"	0.983
03/01/2020 00:00:00	☾	09°53'29" ♏	-00°56'34"	-05°17'01"	11°53'37"	0.003

Ephemerides year 2020

03/01/2020 00:00:00	♀	07°32'36" ♍	-24°39'33"	o-01°26'24"	01°35'07"	1.438
03/01/2020 00:00:00	♀	16°51'33" ♍	-17°30'54"	-01°49'10"	01°13'27"	1.267
03/01/2020 00:00:00	♂	29°43'48" ♎	-19°45'23"	00°20'29"	00°40'22"	2.170
03/01/2020 00:00:00	♃	07°07'51" ♍	-23°09'31"	00°05'07"	00°13'48"	6.206
03/01/2020 00:00:00	♃	21°37'45" ♍	-21°38'59"	00°02'57"	00°07'02"	11.002
03/01/2020 00:00:00	♃	02°40'41" ♉	11°56'15"	-00°29'33"	-00°00'25"	19.451
03/01/2020 00:00:00	♃	16°18'14" ♉	-06°20'55"	-01°01'32"	00°01'12"	30.347
03/01/2020 00:00:00	♃	22°27'05" ♍	-22°12'48"	-00°39'20"	00°01'59"	34.918
03/01/2020 00:00:00	♃	08°22'59" ♉	23°10'15"	00°00'00"	-00°00'02"	0.002
03/01/2020 00:00:00	♃	01°37'56" ♉	03°19'23"	02°54'52"	00°01'08"	18.980
03/01/2020 00:00:00	♃	27°16'31" ♉	-05°43'09"	-05°03'13"	00°06'43"	0.003
03/01/2020 00:00:00	T♃	08°22'59" ♉	23°10'15"	00°00'00"	-00°00'02"	0.002
03/01/2020 00:00:00	T♃	27°44'46" ♉	-05°39'42"	-05°11'42"	-01°08'10"	0.003
03/01/2020 00:00:00	X	23°13'38" ♉	-01°55'16"	-11°45'56"	-00°00'05"	95.820
03/01/2020 00:00:00	Y	27°03'37" ♉	07°47'24"	-12°00'41"	-00°00'25"	83.950
04/01/2020 00:00:00	☉	13°04'03" ♍	-22°47'40"	-00°00'00"	01°01'09"	0.983
04/01/2020 00:00:00	☾	21°50'00" ♉	03°43'58"	-05°08'28"	12°00'11"	0.003
04/01/2020 00:00:00	♀	09°07'53" ♍	-24°38'11"	o-01°31'05"	01°35'27"	1.438
04/01/2020 00:00:00	♀	18°04'59" ♍	-17°07'41"	-01°48'27"	01°13'24"	1.261

Ephemerides year 2020

04/01/2020 00:00:00	♂	00°24'11" ♂	-19°54'30"	00°19'53"	00°40'24"	2.163
04/01/2020 00:00:00	♃	07°21'40" ♁	-23°08'52"	00°05'02"	00°13'48"	6.204
04/01/2020 00:00:00	♅	21°44'48" ♁	-21°37'56"	00°02'53"	00°07'03"	11.005
04/01/2020 00:00:00	♁	02°40'18" ♄	11°56'08"	-00°29'31"	-00°00'22"	19.467
04/01/2020 00:00:00	♆	16°19'28" ♃	-06°20'25"	-01°01'31"	00°01'14"	30.362
04/01/2020 00:00:00	♁	22°29'05" ♁	-22°12'33"	-00°39'25"	00°01'59"	34.922
04/01/2020 00:00:00	♄	08°23'03" ♃	23°10'15"	00°00'00"	00°00'11"	0.002
04/01/2020 00:00:00	♆	01°39'06" ♃	03°19'39"	02°54'39"	00°01'11"	18.997
04/01/2020 00:00:00	♁	27°23'14" ♃	-05°40'38"	-05°03'23"	00°06'43"	0.003
04/01/2020 00:00:00	♄♁	08°23'03" ♃	23°10'15"	00°00'00"	00°00'11"	0.002
04/01/2020 00:00:00	♆♁	26°26'51" ♃	-06°09'24"	-05°10'18"	-01°30'46"	0.003
04/01/2020 00:00:00	X	23°13'32" ♃	-01°55'09"	-11°45'46"	-00°00'04"	95.836
04/01/2020 00:00:00	Y	27°03'12" ♄	07°47'25"	-12°00'34"	-00°00'24"	83.962
05/01/2020 00:00:00	♁	14°05'12" ♁	-22°41'29"	-00°00'00"	01°01'09"	0.983
05/01/2020 00:00:00	♃	03°55'26" ♄	08°19'48"	-04°46'17"	12°11'24"	0.003
05/01/2020 00:00:00	♆	10°43'31" ♁	-24°35'24"	-01°35'32"	01°35'48"	1.439
05/01/2020 00:00:00	♀	19°18'22" ♁	-16°44'01"	-01°47'39"	01°13'21"	1.255
05/01/2020 00:00:00	♂	01°04'36" ♂	-20°03'28"	00°19'16"	00°40'25"	2.155
05/01/2020 00:00:00	♃	07°35'28" ♁	-23°08'11"	00°04'56"	00°13'47"	6.202

Ephemerides year 2020

05/01/2020 00:00:00	♄	21°51'52" ♁	-21°36'53"	00°02'48"	00°07'04"	11.007
05/01/2020 00:00:00	♃	02°39'57" ♁	11°56'03"	-00°29'29"	-00°00'19"	19.483
05/01/2020 00:00:00	♃	16°20'44" ♃	-06°19'54"	-01°01'30"	00°01'16"	30.378
05/01/2020 00:00:00	♃	22°31'04" ♁	-22°12'19"	-00°39'30"	00°01'59"	34.925
05/01/2020 00:00:00	♁	08°23'23" ♁	23°10'14"	00°00'00"	00°00'27"	0.002
05/01/2020 00:00:00	♃	01°40'19" ♃	03°19'56"	02°54'26"	00°01'14"	19.015
05/01/2020 00:00:00	♃	27°29'57" ♃	-05°38'06"	-05°03'33"	00°06'43"	0.003
05/01/2020 00:00:00	♁	08°23'23" ♁	23°10'14"	00°00'00"	00°00'27"	0.002
05/01/2020 00:00:00	♃	24°37'56" ♃	-06°50'38"	-05°08'04"	-02°09'02"	0.003
05/01/2020 00:00:00	X	23°13'28" ♃	-01°55'02"	-11°45'37"	-00°00'04"	95.853
05/01/2020 00:00:00	Y	27°02'48" ♁	07°47'26"	-12°00'28"	-00°00'24"	83.973
06/01/2020 00:00:00	♁	15°06'21" ♁	-22°34'50"	-00°00'00"	01°01'08"	0.983
06/01/2020 00:00:00	♃	16°14'14" ♁	12°41'15"	-04°10'41"	12°26'50"	0.003
06/01/2020 00:00:00	♃	12°19'31" ♁	-24°31'11"	-01°39'43"	01°36'10"	1.439
06/01/2020 00:00:00	♀	20°31'41" ♃	-16°19'54"	-01°46'45"	01°13'17"	1.250
06/01/2020 00:00:00	♂	01°45'02" ♃	-20°12'16"	00°18'39"	00°40'26"	2.148
06/01/2020 00:00:00	♃	07°49'15" ♁	-23°07'28"	00°04'50"	00°13'47"	6.200
06/01/2020 00:00:00	♄	21°58'56" ♁	-21°35'50"	00°02'44"	00°07'04"	11.009
06/01/2020 00:00:00	♃	02°39'39" ♁	11°55'59"	-00°29'27"	-00°00'15"	19.499

Ephemerides year 2020

06/01/2020 00:00:00	♁	16°22'01" ♈	-06°19'23"	-01°01'28"	00°01'18"	30.393
06/01/2020 00:00:00	♁	22°33'04" ♈	-22°12'04"	-00°39'36"	00°02'00"	34.928
06/01/2020 00:00:00	♁	08°23'58" ♉	23°10'12"	00°00'00"	00°00'42"	0.002
06/01/2020 00:00:00	♁	01°41'35" ♈	03°20'14"	02°54'13"	00°01'17"	19.032
06/01/2020 00:00:00	♁	27°36'41" ♈	-05°35'35"	-05°03'42"	00°06'43"	0.003
06/01/2020 00:00:00	♁	08°23'58" ♉	23°10'12"	00°00'00"	00°00'42"	0.002
06/01/2020 00:00:00	♁	22°06'49" ♈	-07°47'15"	-05°04'25"	-02°52'55"	0.003
06/01/2020 00:00:00	X	23°13'24" ♈	-01°54'55"	-11°45'27"	-00°00'03"	95.870
06/01/2020 00:00:00	Y	27°02'24" ♈	07°47'27"	-12°00'21"	-00°00'23"	83.985
07/01/2020 00:00:00	♁	16°07'30" ♈	-22°27'45"	-00°00'00"	01°01'08"	0.983
07/01/2020 00:00:00	♁	28°50'17" ♈	16°36'21"	-03°22'18"	12°45'44"	0.003
07/01/2020 00:00:00	♁	13°55'53" ♈	-24°25'32"	-01°43'39"	01°36'33"	1.438
07/01/2020 00:00:00	♁	21°44'57" ♈	-15°55'22"	-01°45'46"	01°13'14"	1.244
07/01/2020 00:00:00	♁	02°25'29" ♈	-20°20'54"	00°18'02"	00°40'27"	2.141
07/01/2020 00:00:00	♁	08°03'02" ♈	-23°06'44"	00°04'45"	00°13'46"	6.197
07/01/2020 00:00:00	♁	22°06'01" ♈	-21°34'46"	00°02'40"	00°07'05"	11.011
07/01/2020 00:00:00	♁	02°39'25" ♈	11°55'56"	-00°29'25"	-00°00'12"	19.516
07/01/2020 00:00:00	♁	16°23'20" ♈	-06°18'51"	-01°01'27"	00°01'20"	30.408
07/01/2020 00:00:00	♁	22°35'04" ♈	-22°11'49"	-00°39'41"	00°02'00"	34.931



Ephemerides year 2020

07/01/2020 00:00:00	♏	08°24'46" ♁	23°10'09"	00°00'00"	00°00'50"	0.003
07/01/2020 00:00:00	♋	01°42'54" ♀	03°20'34"	02°54'00"	00°01'20"	19.049
07/01/2020 00:00:00	♏	27°43'24" ♀	-05°33'03"	-05°03'52"	00°06'43"	0.003
07/01/2020 00:00:00	♏	08°24'46" ♁	23°10'09"	00°00'00"	00°00'50"	0.003
07/01/2020 00:00:00	♏	18°55'27" ♀	-08°57'48"	-04°58'56"	-03°26'39"	0.003
07/01/2020 00:00:00	X	23°13'21" ♀	-01°54'47"	-11°45'18"	-00°00'02"	95.887
07/01/2020 00:00:00	Y	27°02'01" ♀	07°47'29"	-12°00'15"	-00°00'22"	83.997
08/01/2020 00:00:00	♏	17°08'39" ♀	-22°20'13"	-00°00'00"	01°01'08"	0.983
08/01/2020 00:00:00	♏	11°46'32" ♀	19°50'33"	-02°22'28"	13°06'59"	0.003
08/01/2020 00:00:00	♏	15°32'39" ♀	-24°18'26"	-01°47'19"	01°36'57"	1.437
08/01/2020 00:00:00	♏	22°58'10" ♀	-15°30'24"	-01°44'42"	01°13'11"	1.238
08/01/2020 00:00:00	♏	03°05'58" ♀	-20°29'23"	00°17'24"	00°40'29"	2.133
08/01/2020 00:00:00	♏	08°16'48" ♀	-23°05'59"	00°04'39"	00°13'45"	6.194
08/01/2020 00:00:00	♏	22°13'06" ♀	-21°33'41"	00°02'36"	00°07'05"	11.013
08/01/2020 00:00:00	♏	02°39'14" ♀	11°55'54"	-00°29'23"	-00°00'09"	19.532
08/01/2020 00:00:00	♏	16°24'41" ♀	-06°18'18"	-01°01'26"	00°01'21"	30.423
08/01/2020 00:00:00	♏	22°37'05" ♀	-22°11'35"	-00°39'46"	00°02'00"	34.934
08/01/2020 00:00:00	♏	08°25'35" ♁	23°10'06"	00°00'00"	00°00'46"	0.003
08/01/2020 00:00:00	♏	01°44'17" ♀	03°20'55"	02°53'47"	00°01'23"	19.065

































Ephemerides year 2020

08/01/2020 00:00:00	☾	27°50'07" ♈	-05°30'31"	-05°04'01"	00°06'43"	0.003
08/01/2020 00:00:00	♁	08°25'35" ♉	23°10'06"	00°00'00"	00°00'46"	0.003
08/01/2020 00:00:00	♁	15°22'15" ♈	-10°14'40"	-04°51'42"	-03°34'31"	0.003
08/01/2020 00:00:00	X	23°13'18" ♈	-01°54'39"	-11°45'08"	-00°00'02"	95.903
08/01/2020 00:00:00	Y	27°01'39" ♈	07°47'30"	-12°00'08"	-00°00'22"	84.009
09/01/2020 00:00:00	☉	18°09'47" ♈	-22°12'15"	00°00'00"	01°01'08"	0.983
09/01/2020 00:00:00	☾	25°04'34" ♈	22°07'20"	-01°13'23"	13°29'04"	0.003
09/01/2020 00:00:00	♀	17°09'49" ♈	-24°09'51"	-01°50'41"	01°37'22"	1.435
09/01/2020 00:00:00	♀	24°11'20" ♈	-15°05'03"	-01°43'32"	01°13'07"	1.232
09/01/2020 00:00:00	♂	03°46'27" ♈	-20°37'41"	00°16'46"	00°40'30"	2.126
09/01/2020 00:00:00	♃	08°30'34" ♈	-23°05'13"	00°04'34"	00°13'44"	6.191
09/01/2020 00:00:00	♃	22°20'12" ♈	-21°32'36"	00°02'31"	00°07'05"	11.014
09/01/2020 00:00:00	♃	02°39'06" ♈	11°55'53"	-00°29'22"	-00°00'06"	19.549
09/01/2020 00:00:00	♃	16°26'04" ♈	-06°17'45"	-01°01'24"	00°01'23"	30.438
09/01/2020 00:00:00	♃	22°39'05" ♈	-22°11'20"	-00°39'51"	00°02'00"	34.936
09/01/2020 00:00:00	♁	08°26'15" ♉	23°10'03"	00°00'00"	00°00'29"	0.003
09/01/2020 00:00:00	♃	01°45'42" ♈	03°21'17"	02°53'34"	00°01'26"	19.082
09/01/2020 00:00:00	☾	27°56'51" ♈	-05°27'59"	-05°04'10"	00°06'43"	0.003
09/01/2020 00:00:00	♁	08°26'15" ♉	23°10'03"	00°00'00"	00°00'29"	0.003

Ephemerides year 2020

09/01/2020 00:00:00	T♄	11°57'01" ♈	-11°26'42"	-04°43'38"	-03°11'05"	0.003
09/01/2020 00:00:00	X	23°13'17" ♉	-01°54'31"	-11°44'59"	-00°00'01"	95.920
09/01/2020 00:00:00	Y	27°01'17" ♊	07°47'33"	-12°00'01"	-00°00'21"	84.022
10/01/2020 00:00:00	☉	19°10'55" ♌	-22°03'51"	00°00'00"	01°01'07"	0.983
10/01/2020 00:00:00	☾	08°44'24" ♌	23°10'32"	00°01'39"	13°50'15"	0.003
10/01/2020 00:00:00	♀	18°47'25" ♌	-23°59'48"	01°53'46"	01°37'48"	1.432
10/01/2020 00:00:00	♀	25°24'26" ♍	-14°39'18"	-01°42'17"	01°13'04"	1.226
10/01/2020 00:00:00	♂	04°26'58" ♍	-20°45'50"	00°16'08"	00°40'31"	2.118
10/01/2020 00:00:00	♃	08°44'18" ♌	-23°04'25"	00°04'28"	00°13'44"	6.188
10/01/2020 00:00:00	♅	22°27'18" ♌	-21°31'31"	00°02'27"	00°07'06"	11.015
10/01/2020 00:00:00	♁	02°39'01" ♊	11°55'53"	-00°29'20"	-00°00'03"	19.566
10/01/2020 00:00:00	♃	16°27'28" ♈	-06°17'11"	-01°01'23"	00°01'25"	30.453
10/01/2020 00:00:00	♁	22°41'06" ♌	-22°11'05"	-00°39'57"	00°02'00"	34.938
10/01/2020 00:00:00	♁	08°26'30" ♌	23°10'02"	00°00'00"	-00°00'00"	0.003
10/01/2020 00:00:00	♁	01°47'10" ♉	03°21'40"	02°53'22"	00°01'29"	19.099
10/01/2020 00:00:00	♁	28°03'34" ♈	-05°25'27"	-05°04'19"	00°06'43"	0.003
10/01/2020 00:00:00	T♁	08°26'30" ♌	23°10'02"	00°00'00"	-00°00'00"	0.003
10/01/2020 00:00:00	T♄	09°07'13" ♈	-12°24'39"	-04°36'09"	-02°26'28"	0.003
10/01/2020 00:00:00	X	23°13'16" ♉	-01°54'22"	-11°44'49"	-00°00'00"	95.937

Ephemerides year 2020

10/01/2020 00:00:00	Y	27°00'56" 	07°47'35"	-11°59'54"	-00°00'20"	84.034
11/01/2020 00:00:00		20°12'03" 	-21°55'00"	00°00'00"	01°01'07"	0.983
11/01/2020 00:00:00		22°44'09" 	22°48'25"	01°18'19"	14°08'38"	0.002
11/01/2020 00:00:00		20°25'26" 	-23°48'14" 	-01°56'32"	01°38'14"	1.429
11/01/2020 00:00:00		26°37'29" 	-14°13'11"	-01°40'56"	01°13'00"	1.220
11/01/2020 00:00:00		05°07'31" 	-20°53'49"	00°15'29"	00°40'32"	2.111
11/01/2020 00:00:00		08°58'02" 	-23°03'36"	00°04'23"	00°13'43"	6.185
11/01/2020 00:00:00		22°34'25" 	-21°30'26"	00°02'23"	00°07'06"	11.016
11/01/2020 00:00:00		02°38'59" 	11°55'54"	-00°29'18"	-00°00'00"	19.582
11/01/2020 00:00:00		16°28'54" 	-06°16'36"	-01°01'22"	00°01'26"	30.467
11/01/2020 00:00:00		22°43'07" 	-22°10'50"	-00°40'02"	00°02'00"	34.939
11/01/2020 00:00:00		08°26'11" 	23°10'03"	00°00'00"	-00°00'38"	0.003
11/01/2020 00:00:00		01°48'42" 	03°22'05"	02°53'09"	00°01'32"	19.116
11/01/2020 00:00:00		28°10'18" 	-05°22'55"	-05°04'28"	00°06'43"	0.003
11/01/2020 00:00:00	T 	08°26'11" 	23°10'03"	00°00'00"	-00°00'38"	0.003
11/01/2020 00:00:00	T 	07°04'45" 	-13°05'25"	-04°30'18"	-01°39'45"	0.003
11/01/2020 00:00:00	X	23°13'15" 	-01°54'13"	-11°44'40"	-00°00'00"	95.954
11/01/2020 00:00:00	Y	27°00'35" 	07°47'37"	-11°59'47"	-00°00'20"	84.047
12/01/2020 00:00:00		21°13'10" 	-21°45'45"	00°00'00"	01°01'07"	0.983

Ephemerides year 2020

12/01/2020 00:00:00	♃	07°00'11" ♁	20°57'43"	02°31'32"	14°22'34"	0.002
12/01/2020 00:00:00	♆	22°03'54" ♁	-23°35'10"	01°58'59"	01°38'41"	1.425
12/01/2020 00:00:00	♀	27°50'27" ♁	-13°46'41"	-01°39'30"	01°12'56"	1.214
12/01/2020 00:00:00	♂	05°48'04" ♁	-21°01'38"	00°14'50"	00°40'34"	2.103
12/01/2020 00:00:00	♂	09°11'44" ♁	-23°02'45"	00°04'17"	00°13'41"	6.181
12/01/2020 00:00:00	♃	22°41'32" ♁	-21°29'20"	00°02'18"	00°07'06"	11.016
12/01/2020 00:00:00	♃	02°39'00" ♁	11°55'56"	-00°29'16"	00°00'02"	19.599
12/01/2020 00:00:00	♃	16°30'22" ♁	-06°16'01"	-01°01'21"	00°01'28"	30.482
12/01/2020 00:00:00	♃	22°45'08" ♁	-22°10'36"	-00°40'07"	00°02'00"	34.941
12/01/2020 00:00:00	♁	08°25'12" ♁	23°10'07"	00°00'00"	-00°01'17"	0.003
12/01/2020 00:00:00	♃	01°50'16" ♁	03°22'31"	02°52'56"	00°01'35"	19.132
12/01/2020 00:00:00	♃	28°17'01" ♁	-05°20'22"	-05°04'37"	00°06'43"	0.003
12/01/2020 00:00:00	♁	08°25'12" ♁	23°10'07"	00°00'00"	-00°01'17"	0.003
12/01/2020 00:00:00	♃	05°42'34" ♁	-13°32'15"	-04°26'09"	-01°08'07"	0.003
12/01/2020 00:00:00	X	23°13'16" ♁	-01°54'04"	-11°44'30"	00°00'00"	95.971
12/01/2020 00:00:00	Y	27°00'15" ♁	07°47'40"	-11°59'40"	-00°00'19"	84.060
13/01/2020 00:00:00	♁	22°14'17" ♁	-21°36'03"	00°00'00"	01°01'07"	0.983
13/01/2020 00:00:00	♃	21°27'25" ♁	17°45'17"	03°35'59"	14°30'52"	0.002
13/01/2020 00:00:00	♆	23°42'48" ♁	-23°20'34"	-02°01'06"	01°39'08"	1.421

Ephemerides year 2020

13/01/2020 00:00:00	♀	29°03'22" ♁	-13°19'51"	-01°37'59"	01°12'53"	1.208
13/01/2020 00:00:00	♂	06°28'39" ♀	-21°09'17"	00°14'11"	00°40'35"	2.096
13/01/2020 00:00:00	♃	09°25'25" ♀	-23°01'53"	00°04'12"	00°13'40"	6.178
13/01/2020 00:00:00	♅	22°48'39" ♀	-21°28'14"	00°02'14"	00°07'07"	11.016
13/01/2020 00:00:00	♁	02°39'05" ♂	11°56'00"	-00°29'14"	00°00'05"	19.616
13/01/2020 00:00:00	♃	16°31'51" ♀	-06°15'25"	-01°01'19"	00°01'30"	30.496
13/01/2020 00:00:00	♁	22°47'09" ♀	-22°10'21"	-00°40'13"	00°02'00"	34.942
13/01/2020 00:00:00	♄	08°23'38" ♃	23°10'13"	00°00'00"	-00°01'47"	0.002
13/01/2020 00:00:00	♅	01°51'53" ♂	03°22'58"	02°52'44"	00°01'38"	19.149
13/01/2020 00:00:00	♁	28°23'45" ♀	-05°17'50"	-05°04'45"	00°06'43"	0.003
13/01/2020 00:00:00	♄	08°23'38" ♃	23°10'13"	00°00'00"	-00°01'47"	0.002
13/01/2020 00:00:00	♁	04°40'37" ♀	-13°52'14"	-04°22'57"	-00°59'43"	0.003
13/01/2020 00:00:00	X	23°13'16" ♂	-01°53'55"	-11°44'20"	00°00'01"	95.988
13/01/2020 00:00:00	Y	26°59'55" ♂	07°47'43"	-11°59'32"	-00°00'19"	84.073
14/01/2020 00:00:00	♃	23°15'24" ♀	-21°25'57"	00°00'00"	01°01'06"	0.983
14/01/2020 00:00:00	♄	05°59'55" ♃	13°26'29"	04°26'53"	14°33'07"	0.002
14/01/2020 00:00:00	♀	25°22'11" ♀	-23°04'27"	-02°02'51"	01°39'36"	1.416
14/01/2020 00:00:00	♀	00°16'14" ♀	-12°52'41"	-01°36'23"	01°12'49"	1.202
14/01/2020 00:00:00	♂	07°09'15" ♀	-21°16'45"	00°13'31"	00°40'36"	2.088

Ephemerides year 2020

14/01/2020 00:00:00	♃	09°39'06" ♁	-23°01'00"	00°04'06"	00°13'39"	6.174
14/01/2020 00:00:00	♅	22°55'43" ♁	-21°27'07"	00°02'10"	00°07'10"	11.016
14/01/2020 00:00:00	♁	02°39'12" ♂	11°56'04"	-00°29'12"	00°00'09"	19.633
14/01/2020 00:00:00	♆	16°33'22" ♀	-06°14'49"	-01°01'18"	00°01'31"	30.510
14/01/2020 00:00:00	♁	22°49'09" ♁	-22°10'06"	-00°40'18"	00°02'00"	34.942
14/01/2020 00:00:00	♄	08°21'42" ♃	23°10'20"	00°00'00"	-00°02'00"	0.002
14/01/2020 00:00:00	♆	01°53'33" ♀	03°23'27"	02°52'31"	00°01'41"	19.165
14/01/2020 00:00:00	♁	28°30'28" ♀	-05°15'17"	-05°04'54"	00°06'43"	0.003
14/01/2020 00:00:00	♄♁	08°21'42" ♃	23°10'20"	00°00'00"	-00°02'00"	0.002
14/01/2020 00:00:00	♄♆	03°36'40" ♀	-14°12'41"	-04°19'38"	-01°10'10"	0.003
14/01/2020 00:00:00	X	23°13'18" ♀	-01°53'46"	-11°44'11"	00°00'01"	96.005
14/01/2020 00:00:00	Y	26°59'36" ♂	07°47'46"	-11°59'25"	-00°00'18"	84.087
15/01/2020 00:00:00	♁	24°16'31" ♁	-21°15'26"	00°00'00"	01°01'06"	0.984
15/01/2020 00:00:00	♃	20°31'47" ♄	08°21'20"	05°00'36"	14°29'42"	0.002
15/01/2020 00:00:00	♁	27°02'01" ♁	-22°46'48"	-02°04'15"	01°40'03"	1.411
15/01/2020 00:00:00	♆	01°29'01" ♀	-12°25'11"	-01°34'41"	01°12'45"	1.196
15/01/2020 00:00:00	♂	07°49'53" ♂	-21°24'03"	00°12'51"	00°40'38"	2.081
15/01/2020 00:00:00	♃	09°52'44" ♁	-23°00'06"	00°04'01"	00°13'38"	6.169
15/01/2020 00:00:00	♅	23°02'51" ♁	-21°26'00"	00°02'05"	00°07'06"	11.016

Ephemerides year 2020

15/01/2020 00:00:00	♃	02°39'23" ♂	11°56'10"	-00°29'10"	00°00'12"	19.650
15/01/2020 00:00:00	♃	16°34'54" ♀	-06°14'12"	-01°01'17"	00°01'33"	30.524
15/01/2020 00:00:00	♃	22°51'10" ♀	-22°09'51"	-00°40'23"	00°02'00"	34.943
15/01/2020 00:00:00	♃	08°19'45" ♀	23°10'28"	00°00'00"	-00°01'50"	0.002
15/01/2020 00:00:00	♃	01°55'16" ♀	03°23'56"	02°52'19"	00°01'44"	19.181
15/01/2020 00:00:00	♃	28°37'11" ♀	-05°12'44"	-05°05'02"	00°06'43"	0.003
15/01/2020 00:00:00	♃	08°19'45" ♀	23°10'28"	00°00'00"	-00°01'50"	0.002
15/01/2020 00:00:00	♃	02°20'15" ♀	-14°36'49"	-04°15'37"	-01°20'16"	0.003
15/01/2020 00:00:00	X	23°13'20" ♀	-01°53'36"	-11°44'01"	00°00'02"	96.022
15/01/2020 00:00:00	Y	26°59'18" ♂	07°47'50"	-11°59'18"	-00°00'18"	84.100
16/01/2020 00:00:00	♃	25°17'37" ♀	-21°04'31"	00°00'00"	01°01'06"	0.984
16/01/2020 00:00:00	♃	04°57'47" ♀	02°50'57"	05°15'04"	14°21'38"	0.002
16/01/2020 00:00:00	♃	28°42'18" ♀	-22°27'36"	-02°05'15"	01°40'31"	1.404
16/01/2020 00:00:00	♃	02°41'44" ♀	-11°57'23"	-01°32'54"	01°12'41"	1.190
16/01/2020 00:00:00	♃	08°30'32" ♀	-21°31'11"	00°12'11"	00°40'39"	2.073
16/01/2020 00:00:00	♃	10°06'22" ♀	-22°59'10"	00°03'55"	00°13'36"	6.165
16/01/2020 00:00:00	♃	23°09'57" ♀	-21°24'53"	00°02'01"	00°07'06"	11.016
16/01/2020 00:00:00	♃	02°39'36" ♂	11°56'16"	-00°29'08"	00°00'15"	19.667
16/01/2020 00:00:00	♃	16°36'28" ♀	-06°13'35"	-01°01'16"	00°01'34"	30.538



Ephemerides year 2020

16/01/2020 00:00:00	♁	22°53'11" ♂	-22°09'36"	-00°40'29"	00°02'00"	34.943
16/01/2020 00:00:00	♁	08°18'09" ♀	23°10'34"	00°00'00"	-00°01'17"	0.002
16/01/2020 00:00:00	♁	01°57'01" ♂	03°24'27"	02°52'07"	00°01'47"	19.197
16/01/2020 00:00:00	♁	28°43'55" ♀	-05°10'11"	-05°05'10"	00°06'43"	0.003
16/01/2020 00:00:00	♁	08°18'09" ♀	23°10'34"	00°00'00"	-00°01'17"	0.002
16/01/2020 00:00:00	♁	01°06'13" ♀	-14°59'52"	-04°11'39"	-01°00'24"	0.003
16/01/2020 00:00:00	X	23°13'23" ♂	-01°53'26"	-11°43'52"	00°00'03"	96.038
16/01/2020 00:00:00	Y	26°59'00" ♀	07°47'53"	-11°59'10"	-00°00'17"	84.114
17/01/2020 00:00:00	♁	26°18'44" ♂	-20°53'11"	00°00'00"	01°01'06"	0.984
17/01/2020 00:00:00	♁	19°13'59" ♀	-02°44'41"	05°09'54"	14°10'19"	0.002
17/01/2020 00:00:00	♁	00°23'04" ♀	-22°06'51"	-02°05'52"	01°40'59"	1.397
17/01/2020 00:00:00	♁	03°54'24" ♀	-11°29'17"	-01°31'01"	01°12'37"	1.184
17/01/2020 00:00:00	♁	09°11'12" ♂	-21°38'08"	00°11'30"	00°40'40"	2.066
17/01/2020 00:00:00	♁	10°19'58" ♂	-22°58'13"	00°03'50"	00°13'35"	6.160
17/01/2020 00:00:00	♁	23°17'04" ♂	-21°23'45"	00°01'57"	00°07'06"	11.015
17/01/2020 00:00:00	♁	02°39'53" ♀	11°56'24"	-00°29'06"	00°00'18"	19.684
17/01/2020 00:00:00	♁	16°38'03" ♀	-06°12'56"	-01°01'15"	00°01'36"	30.551
17/01/2020 00:00:00	♁	22°55'11" ♂	-22°09'22"	-00°40'34"	00°02'00"	34.943
17/01/2020 00:00:00	♁	08°17'14" ♀	23°10'37"	00°00'00"	-00°00'29"	0.002

Ephemerides year 2020

17/01/2020 00:00:00	♄	01°58'50" ♀	03°24'59"	02°51'55"	00°01'49"	19.213
17/01/2020 00:00:00	♁	28°50'38" ♀	-05°07'38"	-05°05'18"	00°06'43"	0.003
17/01/2020 00:00:00	♄♁	08°17'14" ♀	23°10'37"	00°00'00"	-00°00'29"	0.002
17/01/2020 00:00:00	♁♄	00°36'46" ♀	-15°08'57"	-04°10'04"	00°10'19"	0.003
17/01/2020 00:00:00	X	23°13'26" ♀	-01°53'16"	-11°43'42"	00°00'03"	96.055
17/01/2020 00:00:00	Y	26°58'43" ♀♁	07°47'57"	-11°59'02"	-00°00'16"	84.128
18/01/2020 00:00:00	♁	27°19'50" ♀	-20°41'27"	00°00'00"	01°01'06"	0.984
18/01/2020 00:00:00	♃	03°17'49" ♀	-08°07'23"	04°46'09"	13°57'09"	0.002
18/01/2020 00:00:00	♁	02°04'16" ♀♁	-21°44'33"	-02°06'03"	01°41'25"	1.390
18/01/2020 00:00:00	♁	05°06'59" ♀	-11°00'53"	-01°29'03"	01°12'33"	1.178
18/01/2020 00:00:00	♁	09°51'54" ♀♁	-21°44'54"	00°10'49"	00°40'42"	2.058
18/01/2020 00:00:00	♁	10°33'32" ♀	-22°57'15"	00°03'44"	00°13'33"	6.156
18/01/2020 00:00:00	♁	23°24'10" ♀	-21°22'38"	00°01'53"	00°07'06"	11.014
18/01/2020 00:00:00	♁	02°40'13" ♀	11°56'32"	-00°29'04"	00°00'21"	19.701
18/01/2020 00:00:00	♁	16°39'40" ♀	-06°12'18"	-01°01'14"	00°01'37"	30.564
18/01/2020 00:00:00	♁	22°57'12" ♀	-22°09'07"	-00°40'39"	00°02'00"	34.942
18/01/2020 00:00:00	♁	08°17'12" ♀	23°10'38"	00°00'00"	00°00'24"	0.002
18/01/2020 00:00:00	♄	02°00'41" ♀	03°25'32"	02°51'42"	00°01'52"	19.229
18/01/2020 00:00:00	♁	28°57'21" ♀	-05°05'05"	-05°05'26"	00°06'43"	0.003

Ephemerides year 2020

18/01/2020 00:00:00	T♄	08°17'12" ♉	23°10'38"	00°00'00"	00°00'24"	0.002
18/01/2020 00:00:00	T♄	01°41'17" ♉	-14°49'04"	-04°13'38"	02°03'23"	0.003
18/01/2020 00:00:00	X	23°13'30" ♀	-01°53'05"	-11°43'33"	00°00'04"	96.072
18/01/2020 00:00:00	Y	26°58'27" ♄	07°48'01"	-11°58'55"	-00°00'16"	84.142
19/01/2020 00:00:00	♁	28°20'56" ♉	-20°29'20"	00°00'00"	01°01'05"	0.984
19/01/2020 00:00:00	♃	17°08'04" ♈	-13°00'41"	04°06'04"	13°43'18"	0.003
19/01/2020 00:00:00	♁	03°45'55" ♉	-21°20'43"	-02°05'48"	01°41'51"	1.381
19/01/2020 00:00:00	♀	06°19'30" ♉	-10°32'14"	-01°27'00"	01°12'29"	1.172
19/01/2020 00:00:00	♂	10°32'37" ♈	-21°51'29"	00°10'07"	00°40'43"	2.050
19/01/2020 00:00:00	♃	10°47'05" ♉	-22°56'15"	00°03'38"	00°13'32"	6.151
19/01/2020 00:00:00	♃	23°31'16" ♉	-21°21'29"	00°01'48"	00°07'05"	11.012
19/01/2020 00:00:00	♃	02°40'36" ♉	11°56'42"	-00°29'02"	00°00'24"	19.718
19/01/2020 00:00:00	♃	16°41'19" ♉	-06°11'38"	-01°01'13"	00°01'39"	30.577
19/01/2020 00:00:00	♃	22°59'12" ♉	-22°08'52"	-00°40'45"	00°02'00"	34.942
19/01/2020 00:00:00	♁	08°18'00" ♉	23°10'35"	00°00'00"	00°01'09"	0.002
19/01/2020 00:00:00	♁	02°02'36" ♀	03°26'06"	02°51'30"	00°01'55"	19.245
19/01/2020 00:00:00	♁	29°04'04" ♉	-05°02'32"	-05°05'34"	00°06'43"	0.003
19/01/2020 00:00:00	T♄	08°18'00" ♉	23°10'35"	00°00'00"	00°01'09"	0.002
19/01/2020 00:00:00	T♄	04°46'20" ♉	-13°50'25"	-04°23'17"	04°04'47"	0.003

Ephemerides year 2020

19/01/2020 00:00:00	X	23°13'35" ♄	-01°52'55"	-11°43'23"	00°00'05"	96.089
19/01/2020 00:00:00	Y	26°58'11" ♄r	07°48'05"	-11°58'47"	-00°00'15"	84.156
20/01/2020 00:00:00	☉	29°22'02" ♁	-20°16'49"	00°00'00"	01°01'05"	0.984
20/01/2020 00:00:00	☾	00°44'27" ♁	-17°09'34"	03°12'43"	13°29'31"	0.003
20/01/2020 00:00:00	♀	05°27'59" ♁	-20°55'19"	-02°05'05"	01°42'15"	1.372
20/01/2020 00:00:00	♀	07°31'57" ♁	-10°03'18"	-01°24'52"	01°12'25"	1.166
20/01/2020 00:00:00	♂	11°13'21" ♁	-21°57'54"	00°09'25"	00°40'44"	2.042
20/01/2020 00:00:00	♃	11°00'37" ♁	-22°55'14"	00°03'33"	00°13'30"	6.145
20/01/2020 00:00:00	♅	23°38'22" ♁	-21°20'21"	00°01'44"	00°07'05"	11.011
20/01/2020 00:00:00	♁	02°41'03" ♄	11°56'53"	-00°29'00"	00°00'27"	19.735
20/01/2020 00:00:00	♃	16°42'59" ♁	-06°10'59"	-01°01'12"	00°01'40"	30.590
20/01/2020 00:00:00	♁	23°01'13" ♁	-22°08'37"	-00°40'50"	00°02'00"	34.941
20/01/2020 00:00:00	♁	08°19'23" ♁	23°10'29"	00°00'00"	00°01'33"	0.003
20/01/2020 00:00:00	♁	02°04'33" ♄	03°26'42"	02°51'18"	00°01'58"	19.261
20/01/2020 00:00:00	♁	29°10'48" ♁	-04°59'58"	-05°05'41"	00°06'43"	0.003
20/01/2020 00:00:00	T♁	08°19'23" ♁	23°10'29"	00°00'00"	00°01'33"	0.003
20/01/2020 00:00:00	T♁	09°41'11" ♁	-12°12'33"	-04°37'01"	05°37'35"	0.003
20/01/2020 00:00:00	X	23°13'41" ♄	-01°52'44"	-11°43'13"	00°00'05"	96.106
20/01/2020 00:00:00	Y	26°57'56" ♄r	07°48'10"	-11°58'39"	-00°00'14"	84.170

Ephemerides year 2020

21/01/2020 00:00:00	☉	00°23'08" ♊	-20°03'56"	00°00'00"	01°01'05"	0.984
21/01/2020 00:00:00	☾	14°07'17" ♋	-20°20'45"	02°09'38"	13°16'12"	0.003
21/01/2020 00:00:00	♀	07°10'25" ♊	-20°28'23"	-02°03'54"	01°42'37"	1.362
21/01/2020 00:00:00	♀	08°44'20" ♋	-09°34'08"	-01°22'38"	01°12'20"	1.160
21/01/2020 00:00:00	♂	11°54'06" ♋	-22°04'07"	00°08'43"	00°40'46"	2.035
21/01/2020 00:00:00	♃	11°14'06" ♌	-22°54'13"	00°03'27"	00°13'28"	6.140
21/01/2020 00:00:00	♄	23°45'27" ♌	-21°19'12"	00°01'40"	00°07'05"	11.009
21/01/2020 00:00:00	♅	02°41'32" ♌	11°57'05"	-00°28'58"	00°00'31"	19.752
21/01/2020 00:00:00	♆	16°44'40" ♋	-06°10'18"	-01°01'11"	00°01'42"	30.603
21/01/2020 00:00:00	♇	23°03'13" ♌	-22°08'22"	-00°40'56"	00°02'00"	34.939
21/01/2020 00:00:00	♈	08°20'57" ♉	23°10'23"	00°00'00"	00°01'28"	0.003
21/01/2020 00:00:00	♉	02°06'32" ♋	03°27'19"	02°51'07"	00°02'01"	19.276
21/01/2020 00:00:00	♊	29°17'31" ♋	-04°57'24"	-05°05'49"	00°06'43"	0.003
21/01/2020 00:00:00	♈♉	08°20'57" ♉	23°10'23"	00°00'00"	00°01'28"	0.003
21/01/2020 00:00:00	♈♊	15°43'47" ♋	-10°05'41"	-04°51'03"	06°17'45"	0.003
21/01/2020 00:00:00	X	23°13'47" ♋	-01°52'33"	-11°43'04"	00°00'06"	96.123
21/01/2020 00:00:00	Y	26°57'42" ♌♈	07°48'14"	-11°58'31"	-00°00'13"	84.184
22/01/2020 00:00:00	☉	01°24'13" ♊	-19°50'39"	00°00'00"	01°01'04"	0.984
22/01/2020 00:00:00	☾	27°17'05" ♋	-22°23'49"	01°00'41"	13°03'27"	0.003

Ephemerides year 2020

22/01/2020 00:00:00	♀	08°53'12" ♍	-19°59'56"	-02°02'12"	01°42'56"	1.351
22/01/2020 00:00:00	♀	09°56'39" ♋	-09°04'44"	-01°20'20"	01°12'16"	1.153
22/01/2020 00:00:00	♂	12°34'53" ♎	-22°10'10"	00°08'01"	00°40'47"	2.027
22/01/2020 00:00:00	♈	11°27'34" ♎	-22°53'09"	00°03'22"	00°13'26"	6.134
22/01/2020 00:00:00	♏	23°52'32" ♎	-21°18'03"	00°01'35"	00°07'04"	11.007
22/01/2020 00:00:00	♏	02°42'05" ♏	11°57'18"	-00°28'56"	00°00'34"	19.769
22/01/2020 00:00:00	♏	16°46'23" ♋	-06°09'37"	-01°01'10"	00°01'43"	30.616
22/01/2020 00:00:00	♏	23°05'13" ♎	-22°08'08"	-00°41'01"	00°01'59"	34.938
22/01/2020 00:00:00	♏	08°22'10" ♏	23°10'19"	00°00'00"	00°00'52"	0.003
22/01/2020 00:00:00	♏	02°08'35" ♏	03°27'57"	02°50'55"	00°02'03"	19.291
22/01/2020 00:00:00	♏	29°24'15" ♋	-04°54'51"	-05°05'56"	00°06'43"	0.003
22/01/2020 00:00:00	T♏	08°22'10" ♏	23°10'19"	00°00'00"	00°00'52"	0.003
22/01/2020 00:00:00	T♏	21°56'55" ♋	-07°49'00"	-05°02'03"	05°59'08"	0.003
22/01/2020 00:00:00	X	23°13'54" ♏	-01°52'22"	-11°42'54"	00°00'07"	96.139
22/01/2020 00:00:00	Y	26°57'29" ♏	07°48'19"	-11°58'23"	-00°00'13"	84.199
23/01/2020 00:00:00	♏	02°25'18" ♍	-19°37'01"	00°00'00"	01°01'04"	0.984
23/01/2020 00:00:00	♏	10°14'23" ♎	-23°12'41"	-00°10'15"	12°51'12"	0.003
23/01/2020 00:00:00	♀	10°36'17" ♍	-19°29'58"	-01°59'59"	01°43'11"	1.340
23/01/2020 00:00:00	♀	11°08'53" ♋	-08°35'07"	-01°17'56"	01°12'11"	1.147

Ephemerides year 2020

23/01/2020 00:00:00	♂	13°15'41" ♂	-22°16'01"	00°07'18"	00°40'48"	2.019
23/01/2020 00:00:00	♃	11°41'00" ♄	-22°52'05"	00°03'16"	00°13'24"	6.128
23/01/2020 00:00:00	♅	23°59'36" ♄	-21°16'54"	00°01'31"	00°07'04"	11.005
23/01/2020 00:00:00	♁	02°42'41" ♃	11°57'32"	-00°28'54"	00°00'37"	19.787
23/01/2020 00:00:00	♆	16°48'07" ♃	-06°08'56"	-01°01'09"	00°01'44"	30.628
23/01/2020 00:00:00	♁	23°07'13" ♄	-22°07'53"	-00°41'07"	00°01'59"	34.936
23/01/2020 00:00:00	♄	08°22'34" ♃	23°10'17"	00°00'00"	-00°00'10"	0.003
23/01/2020 00:00:00	♃	02°10'40" ♃	03°28'36"	02°50'43"	00°02'06"	19.307
23/01/2020 00:00:00	♁	29°30'58" ♃	-04°52'17"	-05°06'03"	00°06'43"	0.003
23/01/2020 00:00:00	♄♃	08°22'34" ♃	23°10'17"	00°00'00"	-00°00'10"	0.003
23/01/2020 00:00:00	♃♁	27°25'50" ♃	-05°44'27"	-05°08'41"	04°52'15"	0.003
23/01/2020 00:00:00	X	23°14'01" ♃	-01°52'10"	-11°42'45"	00°00'07"	96.156
23/01/2020 00:00:00	Y	26°57'16" ♃	07°48'24"	-11°58'15"	-00°00'12"	84.214
24/01/2020 00:00:00	♁	03°26'22" ♃	-19°23'01"	00°00'00"	01°01'03"	0.984
24/01/2020 00:00:00	♃	22°59'39" ♄	-22°46'59"	-01°19'29"	12°39'23"	0.003
24/01/2020 00:00:00	♁	12°19'34" ♃	-18°58'30"	-01°57'13"	01°43'22"	1.327
24/01/2020 00:00:00	♀	12°21'02" ♃	-08°05'17"	-01°15'27"	01°12'06"	1.141
24/01/2020 00:00:00	♂	13°56'30" ♂	-22°21'42"	00°06'34"	00°40'49"	2.011
24/01/2020 00:00:00	♃	11°54'24" ♄	-22°51'00"	00°03'11"	00°13'22"	6.122

Ephemerides year 2020

24/01/2020 00:00:00	♃	24°06'40" ♁	-21°15'44"	00°01'27"	00°07'03"	11.002
24/01/2020 00:00:00	♅	02°43'20" ♁	11°57'47"	-00°28'52"	00°00'40"	19.804
24/01/2020 00:00:00	♆	16°49'53" ♃	-06°08'14"	-01°01'08"	00°01'46"	30.640
24/01/2020 00:00:00	♁	23°09'13" ♁	-22°07'38"	-00°41'13"	00°01'59"	34.933
24/01/2020 00:00:00	♄	08°21'43" ♃	23°10'21"	00°00'00"	-00°01'31"	0.003
24/01/2020 00:00:00	♂	02°12'48" ♃	03°29'16"	02°50'31"	00°02'09"	19.322
24/01/2020 00:00:00	♁	29°37'42" ♃	-04°49'43"	-05°06'10"	00°06'43"	0.003
24/01/2020 00:00:00	♄♁	08°21'43" ♃	23°10'21"	00°00'00"	-00°01'31"	0.003
24/01/2020 00:00:00	♄♁	01°32'32" ♃	-04°09'07"	-05°11'39"	03°18'51"	0.003
24/01/2020 00:00:00	X	23°14'10" ♃	-01°51'58"	-11°42'36"	00°00'08"	96.173
24/01/2020 00:00:00	Y	26°57'04" ♁	07°48'30"	-11°58'07"	-00°00'11"	84.228
25/01/2020 00:00:00	♁	04°27'25" ♃	-19°08'39"	-00°00'00"	01°01'02"	0.984
25/01/2020 00:00:00	♂	05°33'18" ♃	-21°12'01"	-02°23'41"	12°28'00"	0.003
25/01/2020 00:00:00	♁	14°03'00" ♃	-18°25'36"	-01°53'53"	01°43'28"	1.314
25/01/2020 00:00:00	♁	13°33'06" ♃	-07°35'15"	-01°12'53"	01°12'01"	1.135
25/01/2020 00:00:00	♂	14°37'20" ♃	-22°27'11"	00°05'51"	00°40'50"	2.004
25/01/2020 00:00:00	♁	12°07'45" ♁	-22°49'54"	00°03'05"	00°13'20"	6.116
25/01/2020 00:00:00	♃	24°13'43" ♁	-21°14'35"	00°01'22"	00°07'02"	10.999
25/01/2020 00:00:00	♅	02°44'02" ♁	11°58'03"	-00°28'51"	00°00'43"	19.821



Ephemerides year 2020

25/01/2020 00:00:00	♁	16°51'40"	♈	-06°07'31"	-01°01'07"	00°01'47"	30.652
25/01/2020 00:00:00	♁	23°11'12"	♈	-22°07'24"	-00°41'18"	00°01'59"	34.931
25/01/2020 00:00:00	♁	08°19'28"	♈	23°10'29"	00°00'00"	-00°02'58"	0.003
25/01/2020 00:00:00	♁	02°14'58"	♈	03°29'57"	02°50'20"	00°02'11"	19.337
25/01/2020 00:00:00	♁	29°44'25"	♈	-04°47'08"	-05°06'17"	00°06'43"	0.003
25/01/2020 00:00:00	T♁	08°19'28"	♈	23°10'29"	00°00'00"	-00°02'58"	0.003
25/01/2020 00:00:00	T♁	04°03'22"	♈	-03°10'04"	-05°12'28"	01°44'48"	0.003
25/01/2020 00:00:00	X	23°14'18"	♈	-01°51'46"	-11°42'26"	00°00'09"	96.190
25/01/2020 00:00:00	Y	26°56'52"	♈	07°48'35"	-11°57'59"	-00°00'11"	84.243
26/01/2020 00:00:00	♁	05°28'28"	♈	-18°53'56"	-00°00'00"	01°01'02"	0.984
26/01/2020 00:00:00	♁	17°55'54"	♈	-18°37'33"	-03°20'01"	12°17'17"	0.003
26/01/2020 00:00:00	♁	15°46'28"	♈	-17°51'16"	-01°49'56"	01°43'26"	1.299
26/01/2020 00:00:00	♁	14°45'05"	♈	-07°05'03"	-01°10'14"	01°11'56"	1.128
26/01/2020 00:00:00	♁	15°18'11"	♈	-22°32'28"	00°05'07"	00°40'51"	1.996
26/01/2020 00:00:00	♁	12°21'05"	♈	-22°48'46"	00°02'59"	00°13'18"	6.110
26/01/2020 00:00:00	♁	24°20'45"	♈	-21°13'25"	00°01'18"	00°07'01"	10.996
26/01/2020 00:00:00	♁	02°44'47"	♈	11°58'21"	-00°28'49"	00°00'46"	19.838
26/01/2020 00:00:00	♁	16°53'28"	♈	-06°06'48"	-01°01'06"	00°01'48"	30.664
26/01/2020 00:00:00	♁	23°13'11"	♈	-22°07'09"	-00°41'24"	00°01'58"	34.928

Ephemerides year 2020

26/01/2020 00:00:00	♏	08°15'49" ♃	23°10'43"	00°00'00"	-00°04'16"	0.003
26/01/2020 00:00:00	♋	02°17'11" ♃	03°30'40"	02°50'09"	00°02'14"	19.351
26/01/2020 00:00:00	♏	29°51'09" ♃	-04°44'34"	-05°06'23"	00°06'43"	0.003
26/01/2020 00:00:00	T♏	08°15'49" ♃	23°10'43"	00°00'00"	-00°04'16"	0.003
26/01/2020 00:00:00	T♏	05°09'31" ♃	-02°43'50"	-05°12'22"	00°32'26"	0.003
26/01/2020 00:00:00	X	23°14'28" ♃	-01°51'34"	-11°42'17"	00°00'09"	96.206
26/01/2020 00:00:00	Y	26°56'41" ♃	07°48'41"	-11°57'51"	-00°00'10"	84.258
27/01/2020 00:00:00	♏	06°29'29" ♃	-18°38'52"	-00°00'00"	01°01'01"	0.985
27/01/2020 00:00:00	♏	00°08'15" ♃	-15°15'36"	-04°06'17"	12°07'38"	0.003
27/01/2020 00:00:00	♏	17°29'51" ♃	-17°15'35"	-01°45'22"	01°43'16"	1.284
27/01/2020 00:00:00	♏	15°56'58" ♃	-06°34'40"	-01°07'30"	01°11'50"	1.122
27/01/2020 00:00:00	♏	15°59'03" ♃	-22°37'34"	00°04'22"	00°40'52"	1.988
27/01/2020 00:00:00	♏	12°34'22" ♃	-22°47'37"	00°02'54"	00°13'15"	6.103
27/01/2020 00:00:00	♏	24°27'46" ♃	-21°12'15"	00°01'14"	00°07'00"	10.993
27/01/2020 00:00:00	♏	02°45'35" ♃	11°58'39"	-00°28'47"	00°00'49"	19.855
27/01/2020 00:00:00	♏	16°55'18" ♃	-06°06'05"	-01°01'05"	00°01'50"	30.675
27/01/2020 00:00:00	♏	23°15'09" ♃	-22°06'55"	-00°41'29"	00°01'58"	34.925
27/01/2020 00:00:00	♏	08°11'03" ♃	23°11'01"	00°00'00"	-00°05'11"	0.003
27/01/2020 00:00:00	♏	02°19'27" ♃	03°31'23"	02°49'57"	00°02'16"	19.366

Ephemerides year 2020

27/01/2020 00:00:00	☾	29°57'52"	♏	-04°42'00"	-05°06'30"	00°06'43"	0.003	
27/01/2020 00:00:00	♁	08°11'03"	♏	23°11'01"		00°00'00"	-00°05'11"	0.003
27/01/2020 00:00:00	♁	05°19'24"	♏	-02°39'36"	-05°12'01"	-00°07'02"	0.003	
27/01/2020 00:00:00	X	23°14'38"	♏	-01°51'22"	-11°42'07"	00°00'10"	96.223	
27/01/2020 00:00:00	Y	26°56'31"	♏	07°48'47"	-11°57'42"	-00°00'09"	84.274	
28/01/2020 00:00:00	☉	07°30'30"	♏	-18°23'29"	-00°00'00"	01°01'00"	0.985	
28/01/2020 00:00:00	☾	12°11'42"	♏	-11°18'31"	-04°40'54"	11°59'35"	0.003	
28/01/2020 00:00:00	♀	19°12'59"	♏	-16°38'35"	-01°40'08"	01°42'57"	1.267	
28/01/2020 00:00:00	♀	17°08'46"	♏	-06°04'08"	-01°04'41"	01°11'45"	1.115	
28/01/2020 00:00:00	♂	16°39'56"	♏	-22°42'29"	00°03'38"	00°40'53"	1.980	
28/01/2020 00:00:00	♃	12°47'36"	♏	-22°46'28"	00°02'48"	00°13'13"	6.096	
28/01/2020 00:00:00	♃	24°34'46"	♏	-21°11'05"	00°01'10"	00°06'59"	10.989	
28/01/2020 00:00:00	♃	02°46'27"	♏	11°58'58"	-00°28'45"	00°00'52"	19.872	
28/01/2020 00:00:00	♃	16°57'08"	♏	-06°05'21"	-01°01'04"	00°01'51"	30.686	
28/01/2020 00:00:00	♃	23°17'07"	♏	-22°06'40"	-00°41'35"	00°01'57"	34.922	
28/01/2020 00:00:00	♁	08°05'37"	♏	23°11'21"	00°00'00"	-00°05'34"	0.003	
28/01/2020 00:00:00	♃	02°21'45"	♏	03°32'08"	02°49'46"	00°02'19"	19.380	
28/01/2020 00:00:00	☾	00°04'35"	♏	-04°39'25"	-05°06'36"	00°06'43"	0.003	
28/01/2020 00:00:00	♁	08°05'37"	♏	23°11'21"		00°00'00"	-00°05'34"	0.003

Ephemerides year 2020

28/01/2020 00:00:00	T♄	05°05'23" ♄	-02°44'49"	-05°11'40"	-00°17'00"	0.003
28/01/2020 00:00:00	X	23°14'49" ♄	-01°51'09"	-11°41'58"	00°00'11"	96.239
28/01/2020 00:00:00	Y	26°56'22" ♂	07°48'53"	-11°57'34"	-00°00'09"	84.289
29/01/2020 00:00:00	☉	08°31'29" ♁	-18°07'45"	-00°00'00"	01°00'59"	0.985
29/01/2020 00:00:00	☾	24°08'13" ♃	-06°57'41"	-05°02'52"	11°53'51"	0.003
29/01/2020 00:00:00	♀	20°55'42" ♁	-16°00'22"	-01°34'14"	01°42'26"	1.250
29/01/2020 00:00:00	♀	18°20'29" ♃	-05°33'27"	-01°01'46"	01°11'39"	1.109
29/01/2020 00:00:00	♂	17°20'51" ♂	-22°47'12"	00°02'53"	00°40'54"	1.972
29/01/2020 00:00:00	♃	13°00'48" ♃	-22°45'17"	00°02'43"	00°13'10"	6.089
29/01/2020 00:00:00	♅	24°41'46" ♃	-21°09'55"	00°01'05"	00°06'58"	10.985
29/01/2020 00:00:00	♁	02°47'21" ♂	11°59'19"	-00°28'43"	00°00'55"	19.889
29/01/2020 00:00:00	♃	16°59'00" ♃	-06°04'37"	-01°01'04"	00°01'52"	30.697
29/01/2020 00:00:00	♃	23°19'05" ♃	-22°06'26"	-00°41'41"	00°01'57"	34.918
29/01/2020 00:00:00	♁	08°00'07" ♁	23°11'41"	00°00'00"	-00°05'19"	0.003
29/01/2020 00:00:00	♃	02°24'05" ♄	03°32'53"	02°49'35"	00°02'21"	19.395
29/01/2020 00:00:00	♄	00°11'19" ♄	-04°36'50"	-05°06'42"	00°06'43"	0.003
29/01/2020 00:00:00	T♁	08°00'07" ♁	23°11'41"	00°00'00"	-00°05'19"	0.003
29/01/2020 00:00:00	T♄	04°50'50" ♄	-02°50'22"	-05°11'27"	-00°10'38"	0.003
29/01/2020 00:00:00	X	23°15'00" ♄	-01°50'56"	-11°41'49"	00°00'11"	96.255

Ephemerides year 2020

29/01/2020 00:00:00	Y	26°56'13" ♃	07°49'00"	-11°57'26"	-00°00'08"	84.304
30/01/2020 00:00:00	☉	09°32'28" ♎	-17°51'41"	-00°00'00"	01°00'57"	0.985
30/01/2020 00:00:00	☾	06°00'26" ♏	-02°23'07"	-05°11'41"	11°51'08"	0.003
30/01/2020 00:00:00	♀	22°37'47" ♎	-15°21'00"	-01°27'37"	01°41'40"	1.232
30/01/2020 00:00:00	♀	19°32'05" ♃	-05°02'39"	-00°58'48"	01°11'33"	1.103
30/01/2020 00:00:00	♂	18°01'46" ♃	-22°51'43"	00°02'07"	00°40'55"	1.964
30/01/2020 00:00:00	♃	13°13'58" ♃	-22°44'06"	00°02'37"	00°13'08"	6.082
30/01/2020 00:00:00	♃	24°48'44" ♃	-21°08'44"	00°01'01"	00°06'57"	10.981
30/01/2020 00:00:00	♃	02°48'18" ♃	11°59'40"	-00°28'41"	00°00'58"	19.907
30/01/2020 00:00:00	♃	17°00'53" ♃	-06°03'52"	-01°01'03"	00°01'53"	30.708
30/01/2020 00:00:00	♃	23°21'02" ♃	-22°06'12"	-00°41'46"	00°01'56"	34.914
30/01/2020 00:00:00	♁	07°55'10" ♃	23°11'58"	00°00'00"	-00°04'28"	0.003
30/01/2020 00:00:00	♃	02°26'28" ♏	03°33'40"	02°49'24"	00°02'23"	19.409
30/01/2020 00:00:00	♃	00°18'02" ♏	-04°34'16"	-05°06'48"	00°06'43"	0.003
30/01/2020 00:00:00	T♁	07°55'10" ♃	23°11'58"	00°00'00"	-00°04'28"	0.003
30/01/2020 00:00:00	T♃	04°44'37" ♏	-02°52'46"	-05°11'23"	-00°02'35"	0.003
30/01/2020 00:00:00	X	23°15'12" ♏	-01°50'44"	-11°41'39"	00°00'12"	96.272
30/01/2020 00:00:00	Y	26°56'05" ♃	07°49'06"	-11°57'17"	-00°00'07"	84.320
31/01/2020 00:00:00	☉	10°33'25" ♎	-17°35'19"	-00°00'00"	01°00'56"	0.985

Ephemerides year 2020

31/01/2020 00:00:00	♃	17°51'44" ♀	02°16'18"	-05°07'09"	11°52'07"	0.003
31/01/2020 00:00:00	♆	24°18'58" ♁	-14°40'36"	-01°20'17"	01°40'39"	1.212
31/01/2020 00:00:00	♀	20°43'36" ♀	-04°31'43"	-00°55'44"	01°11'27"	1.096
31/01/2020 00:00:00	♂	18°42'42" ♂	-22°56'02"	00°01'21"	00°40'56"	1.956
31/01/2020 00:00:00	♃	13°27'05" ♀	-22°42'53"	00°02'31"	00°13'05"	6.074
31/01/2020 00:00:00	♃	24°55'41" ♀	-21°07'34"	00°00'57"	00°06'56"	10.976
31/01/2020 00:00:00	♃	02°49'19" ♂	12°00'03"	-00°28'39"	00°01'01"	19.924
31/01/2020 00:00:00	♃	17°02'47" ♀	-06°03'07"	-01°01'02"	00°01'54"	30.719
31/01/2020 00:00:00	♃	23°22'58" ♀	-22°05'58"	-00°41'52"	00°01'56"	34.910
31/01/2020 00:00:00	♁	07°51'19" ♁	23°12'12"	00°00'00"	-00°03'09"	0.003
31/01/2020 00:00:00	♃	02°28'53" ♀	03°34'28"	02°49'13"	00°02'26"	19.423
31/01/2020 00:00:00	♃	00°24'45" ♀	-04°31'41"	-05°06'54"	00°06'43"	0.003
31/01/2020 00:00:00	♁	07°51'19" ♁	23°12'12"	00°00'00"	-00°03'09"	0.003
31/01/2020 00:00:00	♃	04°42'35" ♀	-02°53'35"	-05°11'24"	-00°03'36"	0.003
31/01/2020 00:00:00	X	23°15'25" ♀	-01°50'30"	-11°41'30"	00°00'12"	96.288
31/01/2020 00:00:00	Y	26°55'58" ♂	07°49'13"	-11°57'09"	-00°00'06"	84.335
01/02/2020 00:00:00	♁	11°34'21" ♁	-17°18'37"	-00°00'00"	01°00'55"	0.985
01/02/2020 00:00:00	♃	29°46'08" ♀	06°52'12"	-04°49'26"	11°57'26"	0.003
01/02/2020 00:00:00	♆	25°58'59" ♁	-13°59'18"	-01°12'12"	01°39'18"	1.192

Ephemerides year 2020

01/02/2020 00:00:00	♀	21°55'00"	♈	-04°00'41"	-00°52'35"	01°11'21"	1.090
01/02/2020 00:00:00	♂	19°23'39"	♈	-23°00'10"	00°00'35"	00°40'57"	1.948
01/02/2020 00:00:00	♃	13°40'08"	♌	-22°41'39"	00°02'26"	00°13'02"	6.067
01/02/2020 00:00:00	♃	25°02'36"	♌	-21°06'23"	00°00'52"	00°06'55"	10.972
01/02/2020 00:00:00	♃	02°50'22"	♌	12°00'26"	-00°28'37"	00°01'04"	19.941
01/02/2020 00:00:00	♃	17°04'43"	♈	-06°02'21"	-01°01'01"	00°01'55"	30.729
01/02/2020 00:00:00	♃	23°24'55"	♌	-22°05'43"	-00°41'58"	00°01'55"	34.905
01/02/2020 00:00:00	♁	07°48'56"	♃	23°12'21"	00°00'00"	-00°01'36"	0.003
01/02/2020 00:00:00	♃	02°31'20"	♈	03°35'17"	02°49'02"	00°02'28"	19.437
01/02/2020 00:00:00	♃	00°31'28"	♈	-04°29'06"	-05°07'00"	00°06'43"	0.003
01/02/2020 00:00:00	T♁	07°48'56"	♃	23°12'21"	00°00'00"	-00°01'36"	0.003
01/02/2020 00:00:00	T♃	04°32'24"	♈	-02°57'38"	-05°11'26"	-00°19'30"	0.003
01/02/2020 00:00:00	X	23°15'38"	♈	-01°50'17"	-11°41'21"	00°00'13"	96.304
01/02/2020 00:00:00	Y	26°55'51"	♃	07°49'20"	-11°57'00"	-00°00'06"	84.351
02/02/2020 00:00:00	♁	12°35'16"	♃	-17°01'38"	-00°00'00"	01°00'54"	0.985
02/02/2020 00:00:00	♃	11°48'11"	♌	11°15'53"	-04°18'51"	12°07'27"	0.003
02/02/2020 00:00:00	♃	27°37'28"	♃	-13°17'15"	-01°03'21"	01°37'36"	1.170
02/02/2020 00:00:00	♀	23°06'17"	♈	-03°29'33"	-00°49'22"	01°11'14"	1.083
02/02/2020 00:00:00	♂	20°04'37"	♈	-23°04'06"	-00°00'10"	00°40'58"	1.940

Ephemerides year 2020

02/02/2020 00:00:00	♃	13°53'10" ♁	-22°40'25"	00°02'20"	00°12'59"	6.059
02/02/2020 00:00:00	♅	25°09'31" ♁	-21°05'12"	00°00'48"	00°06'53"	10.967
02/02/2020 00:00:00	♁	02°51'29" ♂	12°00'50"	-00°28'35"	00°01'08"	19.957
02/02/2020 00:00:00	♆	17°06'39" ♃	-06°01'35"	-01°01'01"	00°01'57"	30.739
02/02/2020 00:00:00	♁	23°26'50" ♁	-22°05'29"	-00°42'04"	00°01'55"	34.901
02/02/2020 00:00:00	♄	07°48'06" ♃	23°12'24"	00°00'00"	-00°00'05"	0.003
02/02/2020 00:00:00	♃	02°33'50" ♃	03°36'06"	02°48'52"	00°02'30"	19.450
02/02/2020 00:00:00	♁	00°38'12" ♃	-04°26'30"	-05°07'05"	00°06'43"	0.003
02/02/2020 00:00:00	T♄	07°48'06" ♃	23°12'24"	00°00'00"	-00°00'05"	0.003
02/02/2020 00:00:00	T♁	03°58'07" ♃	-03°11'03"	-05°11'17"	-00°51'37"	0.003
02/02/2020 00:00:00	X	23°15'52" ♃	-01°50'04"	-11°41'12"	00°00'14"	96.320
02/02/2020 00:00:00	Y	26°55'46" ♂	07°49'27"	-11°56'52"	-00°00'05"	84.366
03/02/2020 00:00:00	♁	13°36'10" ♃	-16°44'20"	-00°00'00"	01°00'52"	0.985
03/02/2020 00:00:00	♃	24°02'42" ♂	15°17'20"	-03°36'04"	12°22'23"	0.003
03/02/2020 00:00:00	♁	29°14'02" ♃	-12°34'39"	-00°53'42"	01°35'28"	1.148
03/02/2020 00:00:00	♁	24°17'29" ♃	-02°58'20"	-00°46'04"	01°11'07"	1.076
03/02/2020 00:00:00	♁	20°45'36" ♃	-23°07'49"	-00°00'57"	00°40'59"	1.932
03/02/2020 00:00:00	♃	14°06'08" ♁	-22°39'09"	00°02'14"	00°12'56"	6.051
03/02/2020 00:00:00	♅	25°16'24" ♁	-21°04'02"	00°00'44"	00°06'52"	10.962



Ephemerides year 2020

03/02/2020 00:00:00	♃	02°52'38" ♂	12°01'16"	-00°28'33"	00°01'11"	19.974
03/02/2020 00:00:00	♃	17°08'37" ♀	-06°00'49"	-01°01'00"	00°01'58"	30.749
03/02/2020 00:00:00	♃	23°28'45" ♀	-22°05'15"	-00°42'09"	00°01'54"	34.896
03/02/2020 00:00:00	♃	07°48'39" ♀	23°12'22"	00°00'00"	00°01'05"	0.003
03/02/2020 00:00:00	♃	02°36'22" ♀	03°36'57"	02°48'41"	00°02'33"	19.463
03/02/2020 00:00:00	♃	00°44'55" ♀	-04°23'55"	-05°07'10"	00°06'43"	0.003
03/02/2020 00:00:00	T♃	07°48'39" ♀	23°12'22"	00°00'00"	00°01'05"	0.003
03/02/2020 00:00:00	T♃	02°44'46" ♀	-03°39'36"	-05°10'43"	-01°36'40"	0.003
03/02/2020 00:00:00	X	23°16'06" ♀	-01°49'50"	-11°41'03"	00°00'14"	96.336
03/02/2020 00:00:00	Y	26°55'41" ♂	07°49'34"	-11°56'43"	-00°00'04"	84.382
04/02/2020 00:00:00	♃	14°37'02" ♀	-16°26'45"	-00°00'00"	01°00'51"	0.986
04/02/2020 00:00:00	♃	06°34'33" ♀	18°44'29"	-02°42'05"	12°42'02"	0.003
04/02/2020 00:00:00	♃	00°48'15" ♀	-11°51'41"	-00°43'17"	01°32'51"	1.124
04/02/2020 00:00:00	♃	25°28'33" ♀	-02°27'03"	-00°42'42"	01°11'00"	1.070
04/02/2020 00:00:00	♃	21°26'36" ♀	-23°11'21"	-00°01'45"	00°41'00"	1.924
04/02/2020 00:00:00	♃	14°19'03" ♀	-22°37'53"	00°02'09"	00°12'53"	6.042
04/02/2020 00:00:00	♃	25°23'16" ♀	-21°02'51"	00°00'39"	00°06'51"	10.956
04/02/2020 00:00:00	♃	02°53'51" ♂	12°01'43"	-00°28'32"	00°01'14"	19.991
04/02/2020 00:00:00	♃	17°10'36" ♀	-06°00'02"	-01°01'00"	00°01'59"	30.758

Ephemerides year 2020

04/02/2020 00:00:00	♁	23°30'40" ♁	-22°05'01"	-00°42'15"	00°01'54"	34.890
04/02/2020 00:00:00	♁	07°50'05" ♁	23°12'17"	00°00'00"	00°01'40"	0.003
04/02/2020 00:00:00	♁	02°38'57" ♁	03°37'49"	02°48'31"	00°02'35"	19.477
04/02/2020 00:00:00	♁	00°51'39" ♁	-04°21'20"	-05°07'16"	00°06'43"	0.003
04/02/2020 00:00:00	♁	07°50'05" ♁	23°12'17"	00°00'00"	00°01'40"	0.003
04/02/2020 00:00:00	♁	00°43'23" ♁	-04°26'33"	-05°09'22"	-02°25'41"	0.003
04/02/2020 00:00:00	X	23°16'22" ♁	-01°49'36"	-11°40'54"	00°00'15"	96.352
04/02/2020 00:00:00	Y	26°55'36" ♁	07°49'42"	-11°56'35"	-00°00'03"	84.398
05/02/2020 00:00:00	♁	15°37'53" ♁	-16°08'53"	00°00'00"	01°00'50"	0.986
05/02/2020 00:00:00	♁	19°28'09" ♁	21°22'54"	-01°38'30"	13°05'44"	0.003
05/02/2020 00:00:00	♁	02°19'36" ♁	-11°08'37"	-00°32'04"	01°29'43"	1.100
05/02/2020 00:00:00	♁	26°39'30" ♁	-01°55'43"	-00°39'15"	01°10'53"	1.063
05/02/2020 00:00:00	♁	22°07'38" ♁	-23°14'41"	-00°02'32"	00°41'01"	1.916
05/02/2020 00:00:00	♁	14°31'55" ♁	-22°36'35"	00°02'03"	00°12'50"	6.034
05/02/2020 00:00:00	♁	25°30'06" ♁	-21°01'40"	00°00'35"	00°06'49"	10.951
05/02/2020 00:00:00	♁	02°55'06" ♁	12°02'10"	-00°28'30"	00°01'17"	20.008
05/02/2020 00:00:00	♁	17°12'36" ♁	-05°59'15"	-01°00'59"	00°02'00"	30.768
05/02/2020 00:00:00	♁	23°32'34" ♁	-22°04'48"	-00°42'21"	00°01'53"	34.885
05/02/2020 00:00:00	♁	07°51'45" ♁	23°12'11"	00°00'00"	00°01'30"	0.003

Ephemerides year 2020

05/02/2020 00:00:00	♄	02°41'33" ♀	03°38'42"	02°48'21"	00°02'37"	19.490
05/02/2020 00:00:00	♁	00°58'22" ♀	-04°18'44"	-05°07'21"	00°06'43"	0.003
05/02/2020 00:00:00	♄♁	07°51'45" ♀	23°12'11"	00°00'00"	00°01'30"	0.003
05/02/2020 00:00:00	♄♁	27°56'47" ♀	-05°30'25"	-05°06'48"	-03°04'31"	0.003
05/02/2020 00:00:00	X	23°16'38" ♀	-01°49'22"	-11°40'45"	00°00'16"	96.367
05/02/2020 00:00:00	Y	26°55'33" ♀	07°49'49"	-11°56'26"	-00°00'03"	84.414
06/02/2020 00:00:00	♁	16°38'42" ♀	-15°50'44"	00°00'00"	01°00'48"	0.986
06/02/2020 00:00:00	♃	02°46'57" ♀	22°56'43"	-00°27'42"	13°32'11"	0.003
06/02/2020 00:00:00	♁	03°47'31" ♀	-10°25'41"	-00°20'04"	01°26'00"	1.074
06/02/2020 00:00:00	♁	27°50'20" ♀	-01°24'20"	-00°35'44"	01°10'46"	1.057
06/02/2020 00:00:00	♂	22°48'40" ♀	-23°17'49"	-00°03'20"	00°41'03"	1.908
06/02/2020 00:00:00	♁	14°44'44" ♀	-22°35'17"	00°01'58"	00°12'47"	6.025
06/02/2020 00:00:00	♁	25°36'55" ♀	-21°00'29"	00°00'31"	00°06'48"	10.945
06/02/2020 00:00:00	♁	02°56'25" ♀	12°02'39"	-00°28'28"	00°01'19"	20.025
06/02/2020 00:00:00	♁	17°14'36" ♀	-05°58'27"	-01°00'58"	00°02'01"	30.777
06/02/2020 00:00:00	♁	23°34'27" ♀	-22°04'34"	-00°42'27"	00°01'53"	34.879
06/02/2020 00:00:00	♁	07°52'50" ♀	23°12'07"	00°00'00"	00°00'32"	0.003
06/02/2020 00:00:00	♄	02°44'12" ♀	03°39'36"	02°48'10"	00°02'39"	19.502
06/02/2020 00:00:00	♁	01°05'06" ♀	-04°16'08"	-05°07'26"	00°06'43"	0.003

Ephemerides year 2020

06/02/2020 00:00:00	T♄	07°52'50" ♉	23°12'07"	00°00'00"	00°00'32"	0.003
06/02/2020 00:00:00	T♄	24°42'28" ♉	-06°44'01"	-05°02'48"	-03°19'19"	0.003
06/02/2020 00:00:00	X	23°16'54" ♉	-01°49'08"	-11°40'36"	00°00'16"	96.383
06/02/2020 00:00:00	Y	26°55'30" ♉	07°49'57"	-11°56'17"	-00°00'02"	84.430
07/02/2020 00:00:00	♁	17°39'30" ♋	-15°32'19"	00°00'00"	01°00'47"	0.986
07/02/2020 00:00:00	♂	16°32'47" ♉	23°11'15"	00°46'54"	13°59'23"	0.002
07/02/2020 00:00:00	♀	05°11'23" ♉	-09°43'14"	-00°07'18"	01°21'37"	1.048
07/02/2020 00:00:00	♀	29°01'03" ♉	-00°52'55"	-00°32'08"	01°10'38"	1.050
07/02/2020 00:00:00	♂	23°29'44" ♉	-23°20'44"	-00°04'09"	00°41'04"	1.900
07/02/2020 00:00:00	♃	14°57'30" ♉	-22°33'58"	00°01'52"	00°12'44"	6.017
07/02/2020 00:00:00	♃	25°43'42" ♉	-20°59'18"	00°00'27"	00°06'46"	10.938
07/02/2020 00:00:00	♃	02°57'46" ♉	12°03'08"	-00°28'26"	00°01'22"	20.041
07/02/2020 00:00:00	♃	17°16'38" ♉	-05°57'39"	-01°00'58"	00°02'02"	30.785
07/02/2020 00:00:00	♃	23°36'20" ♉	-22°04'20"	-00°42'33"	00°01'52"	34.873
07/02/2020 00:00:00	♁	07°52'37" ♉	23°12'08"	00°00'00"	-00°01'04"	0.003
07/02/2020 00:00:00	♃	02°46'53" ♉	03°40'30"	02°48'00"	00°02'41"	19.515
07/02/2020 00:00:00	♃	01°11'49" ♉	-04°13'32"	-05°07'30"	00°06'43"	0.003
07/02/2020 00:00:00	T♄	07°52'37" ♉	23°12'08"	00°00'00"	-00°01'04"	0.003
07/02/2020 00:00:00	T♄	21°27'44" ♉	-07°56'37"	-04°57'46"	-03°05'50"	0.003

Ephemerides year 2020

07/02/2020 00:00:00	X	23°17'11" ♀	-01°48'53"	-11°40'27"	00°00'17"	96.398
07/02/2020 00:00:00	Y	26°55'28" ♂	07°50'05"	-11°56'08"	-00°00'01"	84.446
08/02/2020 00:00:00	☉	18°40'17" ♁	-15°13'38"	00°00'00"	01°00'46"	0.986
08/02/2020 00:00:00	☾	00°45'09" ♁	21°57'09"	02°00'50"	14°24'45"	0.002
08/02/2020 00:00:00	♀	06°30'33" ♀	-09°01'34"	00°06'10"	01°16'34"	1.021
08/02/2020 00:00:00	♂	00°11'38" ♀	-00°21'29"	-00°28'28"	01°10'30"	1.043
08/02/2020 00:00:00	♂	24°10'48" ♂	-23°23'28"	-00°04'58"	00°41'05"	1.892
08/02/2020 00:00:00	♃	15°10'12" ♀	-22°32'39"	00°01'46"	00°12'40"	6.008
08/02/2020 00:00:00	♄	25°50'28" ♀	-20°58'07"	00°00'22"	00°06'44"	10.932
08/02/2020 00:00:00	♅	02°59'10" ♂	12°03'39"	-00°28'24"	00°01'25"	20.058
08/02/2020 00:00:00	♆	17°18'41" ♀	-05°56'51"	-01°00'57"	00°02'03"	30.794
08/02/2020 00:00:00	♇	23°38'12" ♀	-22°04'07"	-00°42'39"	00°01'51"	34.866
08/02/2020 00:00:00	♈	07°50'34" ♂	23°12'15"	00°00'00"	-00°03'02"	0.003
08/02/2020 00:00:00	♉	02°49'36" ♀	03°41'26"	02°47'50"	00°02'43"	19.527
08/02/2020 00:00:00	♊	01°18'33" ♀	-04°10'56"	-05°07'35"	00°06'43"	0.003
08/02/2020 00:00:00	T♈	07°50'34" ♂	23°12'15"	00°00'00"	-00°03'02"	0.003
08/02/2020 00:00:00	T♉	18°37'01" ♀	-08°59'09"	-04°52'31"	-02°33'56"	0.003
08/02/2020 00:00:00	X	23°17'29" ♀	-01°48'39"	-11°40'18"	00°00'18"	96.414
08/02/2020 00:00:00	Y	26°55'27" ♂	07°50'14"	-11°56'00"	-00°00'00"	84.462

Ephemerides year 2020

09/02/2020 00:00:00	☉	19°41'03" ♊	-14°54'42"	00°00'00"	01°00'44"	0.986
09/02/2020 00:00:00	☾	15°20'41" ♋	19°14'13"	03°08'46"	14°45'17"	0.002
09/02/2020 00:00:00	♁	07°44'17" ♌	-08°21'04"	00°20'21"	01°10'47"	0.994
09/02/2020 00:00:00	♂	01°22'05" ♍	00°09'56"	-00°24'44"	01°10'22"	1.036
09/02/2020 00:00:00	♂	24°51'54" ♎	-23°25'59"	-00°05'47"	00°41'06"	1.884
09/02/2020 00:00:00	♃	15°22'51" ♏	-22°31'18"	00°01'40"	00°12'37"	5.998
09/02/2020 00:00:00	♄	25°57'12" ♏	-20°56'56"	00°00'18"	00°06'42"	10.925
09/02/2020 00:00:00	♅	03°00'38" ♏	12°04'10"	-00°28'22"	00°01'28"	20.074
09/02/2020 00:00:00	♆	17°20'45" ♏	-05°56'02"	-01°00'57"	00°02'04"	30.802
09/02/2020 00:00:00	♇	23°40'03" ♏	-22°03'54"	-00°42'45"	00°01'50"	34.860
09/02/2020 00:00:00	♁	07°46'32" ♏	23°12'29"	00°00'00"	-00°04'59"	0.003
09/02/2020 00:00:00	♂	02°52'21" ♏	03°42'23"	02°47'41"	00°02'45"	19.540
09/02/2020 00:00:00	♁	01°25'16" ♏	-04°08'20"	-05°07'40"	00°06'43"	0.003
09/02/2020 00:00:00	T♁	07°46'32" ♏	23°12'29"	00°00'00"	-00°04'59"	0.003
09/02/2020 00:00:00	T♃	16°20'00" ♏	-09°48'32"	-04°47'48"	-02°01'27"	0.003
09/02/2020 00:00:00	X	23°17'47" ♏	-01°48'24"	-11°40'09"	00°00'18"	96.429
09/02/2020 00:00:00	Y	26°55'27" ♏	07°50'22"	-11°55'51"	-00°00'00"	84.478
10/02/2020 00:00:00	☉	20°41'47" ♊	-14°35'30"	00°00'00"	01°00'43"	0.987
10/02/2020 00:00:00	☾	00°13'12" ♋	15°12'49"	04°05'11"	14°58'17"	0.002

Ephemerides year 2020

10/02/2020 00:00:00	♀	08°51'52" ♃	-07°42'08"	00°35'08"	01°04'15"	0.966
10/02/2020 00:00:00	♀	02°32'24" ♃	00°41'23"	-00°20'56"	01°10'14"	1.030
10/02/2020 00:00:00	♂	25°33'01" ♃	-23°28'18"	00°06'37"	00°41'07"	1.876
10/02/2020 00:00:00	♃	15°35'27" ♃	-22°29'57"	00°01'35"	00°12'33"	5.989
10/02/2020 00:00:00	♃	26°03'53" ♃	-20°55'46"	00°00'14"	00°06'40"	10.919
10/02/2020 00:00:00	♃	03°02'07" ♃	12°04'42"	-00°28'21"	00°01'31"	20.091
10/02/2020 00:00:00	♃	17°22'49" ♃	-05°55'13"	-01°00'56"	00°02'04"	30.810
10/02/2020 00:00:00	♃	23°41'54" ♃	-22°03'41"	-00°42'50"	00°01'50"	34.853
10/02/2020 00:00:00	♃	07°40'45" ♃	23°12'50"	00°00'00"	-00°06'27"	0.003
10/02/2020 00:00:00	♃	02°55'08" ♃	03°43'20"	02°47'31"	00°02'47"	19.552
10/02/2020 00:00:00	♃	01°32'00" ♃	-04°05'44"	-05°07'44"	00°06'43"	0.003
10/02/2020 00:00:00	♃	07°40'45" ♃	23°12'50"	00°00'00"	-00°06'27"	0.003
10/02/2020 00:00:00	♃	14°29'06" ♃	-10°28'01"	-04°43'45"	-01°43'38"	0.003
10/02/2020 00:00:00	X	23°18'06" ♃	-01°48'09"	-11°40'01"	00°00'19"	96.444
10/02/2020 00:00:00	Y	26°55'27" ♃	07°50'31"	-11°55'42"	00°00'00"	84.494
11/02/2020 00:00:00	♃	21°42'29" ♃	-14°16'04"	00°00'00"	01°00'42"	0.987
11/02/2020 00:00:00	♃	15°14'11" ♃	10°11'50"	04°45'13"	15°02'04"	0.002
11/02/2020 00:00:00	♀	09°52'32" ♃	-07°05'10"	00°50'27"	00°56'57"	0.938
11/02/2020 00:00:00	♀	03°42'34" ♃	01°12'48"	-00°17'04"	01°10'06"	1.023

Ephemerides year 2020

11/02/2020 00:00:00	♂	26°14'09" ♂	-23°30'25" ♀	-00°07'27"	00°41'08"	1.868
11/02/2020 00:00:00	♃	15°47'58" ♀	-22°28'36"	00°01'29"	00°12'29"	5.980
11/02/2020 00:00:00	♅	26°10'33" ♀	-20°54'35"	00°00'09"	00°06'39"	10.911
11/02/2020 00:00:00	♁	03°03'40" ♂	12°05'16"	-00°28'19"	00°01'33"	20.107
11/02/2020 00:00:00	♆	17°24'54" ♀	-05°54'24"	-01°00'56"	00°02'05"	30.818
11/02/2020 00:00:00	♄	23°43'44" ♀	-22°03'28"	-00°42'56"	00°01'49"	34.846
11/02/2020 00:00:00	♁	07°33'52" ♀	23°13'13"	00°00'00"	-00°07'07"	0.002
11/02/2020 00:00:00	♆	02°57'56" ♀	03°44'18"	02°47'21"	00°02'49"	19.563
11/02/2020 00:00:00	♁	01°38'43" ♀	-04°03'08"	-05°07'48"	00°06'43"	0.003
11/02/2020 00:00:00	T♁	07°33'52" ♀	23°13'13"	00°00'00"	-00°07'07"	0.002
11/02/2020 00:00:00	T♆	12°45'48" ♀	-11°04'29"	-04°39'55"	-01°46'11"	0.003
11/02/2020 00:00:00	X	23°18'25" ♀	-01°47'54"	-11°39'52"	00°00'19"	96.459
11/02/2020 00:00:00	Y	26°55'28" ♂	07°50'40"	-11°55'33"	00°00'01"	84.510
12/02/2020 00:00:00	♁	22°43'11" ♀	-13°56'24"	00°00'00"	01°00'40"	0.987
12/02/2020 00:00:00	♃	00°14'10" ♀	04°34'43"	05°05'38"	14°56'23"	0.002
12/02/2020 00:00:00	♆	10°45'33" ♀	-06°30'36"	01°06'11"	00°48'56"	0.909
12/02/2020 00:00:00	♀	04°52'37" ♀	01°44'12"	-00°13'08"	01°09'58"	1.016
12/02/2020 00:00:00	♂	26°55'19" ♂	-23°32'19" ♀	-00°08'17"	00°41'09"	1.860
12/02/2020 00:00:00	♃	16°00'26" ♀	-22°27'13"	00°01'23"	00°12'26"	5.970



Ephemerides year 2020

12/02/2020 00:00:00	♃	26°17'11" ⚊	-20°53'24"	00°00'05"	00°06'37"	10.904
12/02/2020 00:00:00	♅	03°05'15" ⚊	12°05'50"	-00°28'17"	00°01'36"	20.123
12/02/2020 00:00:00	♆	17°27'00" ⚊	-05°53'34"	-01°00'56"	00°02'06"	30.826
12/02/2020 00:00:00	♁	23°45'32" ⚊	-22°03'15"	-00°43'02"	00°01'48"	34.838
12/02/2020 00:00:00	♄	07°26'50" ⚊	23°13'37"	00°00'00"	-00°06'47"	0.002
12/02/2020 00:00:00	♂	03°00'47" ⚊	03°45'17"	02°47'12"	00°02'51"	19.575
12/02/2020 00:00:00	♁	01°45'26" ⚊	-04°00'31"	-05°07'52"	00°06'43"	0.003
12/02/2020 00:00:00	T♄	07°26'50" ⚊	23°13'37"	00°00'00"	-00°06'47"	0.002
12/02/2020 00:00:00	T♁	10°52'02" ⚊	-11°44'15"	-04°35'38"	-02°02'20"	0.003
12/02/2020 00:00:00	X	23°18'45" ⚊	-01°47'39"	-11°39'43"	00°00'20"	96.474
12/02/2020 00:00:00	Y	26°55'30" ⚊	07°50'49"	-11°55'25"	00°00'01"	84.526
13/02/2020 00:00:00	♁	23°43'51" ⚊	-13°36'30"	00°00'00"	01°00'39"	0.987
13/02/2020 00:00:00	♃	15°04'17" ⚊	-01°14'24"	05°05'16"	14°42'39"	0.002
13/02/2020 00:00:00	♆	11°30'11" ⚊	-05°58'53"	01°22'12"	00°40'13"	0.882
13/02/2020 00:00:00	♁	06°02'31" ⚊	02°15'33"	-00°09'08"	01°09'49"	1.009
13/02/2020 00:00:00	♂	27°36'29" ⚊	-23°34'02"	-00°09'08"	00°41'11"	1.851
13/02/2020 00:00:00	♁	16°12'51" ⚊	-22°25'50"	00°01'17"	00°12'22"	5.960
13/02/2020 00:00:00	♃	26°23'47" ⚊	-20°52'14"	00°00'01"	00°06'35"	10.897
13/02/2020 00:00:00	♅	03°06'53" ⚊	12°06'25"	-00°28'15"	00°01'39"	20.139

Ephemerides year 2020

13/02/2020 00:00:00	♁	17°29'07" ♈	-05°52'45"	-01°00'55"	00°02'07"	30.833
13/02/2020 00:00:00	♁	23°47'20" ♈	-22°03'02"	-00°43'08"	00°01'47"	34.830
13/02/2020 00:00:00	♁	07°20'36" ♉	23°13'58"	00°00'00"	-00°05'31"	0.002
13/02/2020 00:00:00	♁	03°03'39" ♈	03°46'17"	02°47'02"	00°02'53"	19.586
13/02/2020 00:00:00	♁	01°52'09" ♈	-03°57'55"	-05°07'56"	00°06'43"	0.003
13/02/2020 00:00:00	T♁	07°20'36" ♉	23°13'58"	00°00'00"	-00°05'31"	0.002
13/02/2020 00:00:00	T♁	08°42'36" ♈	-12°28'47"	-04°30'33"	-02°13'47"	0.003
13/02/2020 00:00:00	X	23°19'06" ♈	-01°47'24"	-11°39'35"	00°00'20"	96.489
13/02/2020 00:00:00	Y	26°55'32" ♉	07°50'58"	-11°55'16"	00°00'02"	84.543
14/02/2020 00:00:00	♁	24°44'31" ♉	-13°16'22"	00°00'00"	01°00'38"	0.987
14/02/2020 00:00:00	♁	29°37'36" ♉	-06°53'18"	04°45'06"	14°23'19"	0.002
14/02/2020 00:00:00	♁	12°05'48" ♈	-05°30'25"	01°38'22"	00°30'53"	0.854
14/02/2020 00:00:00	♁	07°12'16" ♈	02°46'52"	-00°05'05"	01°09'41"	1.002
14/02/2020 00:00:00	♁	28°17'41" ♈	-23°35'31"	-00°09'59"	00°41'12"	1.843
14/02/2020 00:00:00	♁	16°25'11" ♈	-22°24'26"	00°01'12"	00°12'18"	5.950
14/02/2020 00:00:00	♁	26°30'21" ♈	-20°51'03"	-00°00'03"	00°06'32"	10.889
14/02/2020 00:00:00	♁	03°08'34" ♉	12°07'01"	-00°28'13"	00°01'42"	20.155
14/02/2020 00:00:00	♁	17°31'14" ♈	-05°51'55"	-01°00'55"	00°02'07"	30.840
14/02/2020 00:00:00	♁	23°49'08" ♈	-22°02'49"	-00°43'14"	00°01'46"	34.822

Ephemerides year 2020

14/02/2020 00:00:00	♏	07°15'59" ♃	23°14'13"	00°00'00"	-00°03'39"	0.002
14/02/2020 00:00:00	♌	03°06'34" ♃	03°47'18"	02°46'53"	00°02'55"	19.597
14/02/2020 00:00:00	♋	01°58'53" ♃	-03°55'18"	-05°08'00"	00°06'43"	0.003
14/02/2020 00:00:00	♏	07°15'59" ♃	23°14'13"	00°00'00"	-00°03'39"	0.002
14/02/2020 00:00:00	♋	06°33'30" ♃	-13°12'20"	-04°25'08"	-01°58'27"	0.003
14/02/2020 00:00:00	X	23°19'27" ♃	-01°47'08"	-11°39'26"	00°00'21"	96.503
14/02/2020 00:00:00	Y	26°55'35" ♃	07°51'07"	-11°55'07"	00°00'03"	84.559
15/02/2020 00:00:00	♏	25°45'09" ♃	-12°56'02"	00°00'00"	01°00'37"	0.988
15/02/2020 00:00:00	♎	13°49'59" ♃	-12°02'43"	04°07'42"	14°01'12"	0.002
15/02/2020 00:00:00	♋	12°31'48" ♃	-05°05'37"	01°54'29"	00°21'02"	0.827
15/02/2020 00:00:00	♋	08°21'53" ♃	03°18'07"	-00°00'58"	01°09'32"	0.995
15/02/2020 00:00:00	♋	28°58'54" ♃	-23°36'49"	-00°10'51"	00°41'13"	1.835
15/02/2020 00:00:00	♋	16°37'28" ♃	-22°23'02"	00°01'06"	00°12'14"	5.940
15/02/2020 00:00:00	♋	26°36'53" ♃	-20°49'53"	-00°00'07"	00°06'30"	10.881
15/02/2020 00:00:00	♋	03°10'18" ♃	12°07'38"	-00°28'12"	00°01'45"	20.171
15/02/2020 00:00:00	♋	17°33'23" ♃	-05°51'04"	-01°00'55"	00°02'08"	30.847
15/02/2020 00:00:00	♋	23°50'54" ♃	-22°02'37"	-00°43'20"	00°01'45"	34.814
15/02/2020 00:00:00	♏	07°13'21" ♃	23°14'22"	00°00'00"	-00°01'36"	0.002
15/02/2020 00:00:00	♌	03°09'30" ♃	03°48'20"	02°46'44"	00°02'57"	19.608

Ephemerides year 2020

15/02/2020 00:00:00	☾	02°05'36" ♀	-03°52'41"	-05°08'03"	00°06'43"	0.003
15/02/2020 00:00:00	♁	07°13'21" ♀	23°14'22"	00°00'00"	-00°01'36"	0.002
15/02/2020 00:00:00	♁	04°58'33" ♀	-13°43'44"	-04°20'56"	-01°05'14"	0.003
15/02/2020 00:00:00	X	23°19'48" ♀	-01°46'53"	-11°39'18"	00°00'21"	96.517
15/02/2020 00:00:00	Y	26°55'39" ♂	07°51'17"	-11°54'58"	00°00'04"	84.575
16/02/2020 00:00:00	☉	26°45'46" ♀	-12°35'28"	00°00'00"	01°00'36"	0.988
16/02/2020 00:00:00	☾	27°39'57" ♀	-16°26'34"	03°16'38"	13°38'50"	0.003
16/02/2020 00:00:00	♀	12°47'45" ♀	-04°44'52"	02°10'21"	00°10'49"	0.802
16/02/2020 00:00:00	♀	09°31'20" ♀	03°49'18"	00°03'12"	01°09'23"	0.989
16/02/2020 00:00:00	♂	29°40'08" ♂	-23°37'53"	00°11'43"	00°41'14"	1.827
16/02/2020 00:00:00	♂	16°49'41" ♂	-22°21'37"	00°01'00"	00°12'10"	5.929
16/02/2020 00:00:00	♂	26°43'23" ♂	-20°48'43"	-00°00'12"	00°06'28"	10.872
16/02/2020 00:00:00	♂	03°12'04" ♂	12°08'16"	-00°28'10"	00°01'47"	20.187
16/02/2020 00:00:00	♂	17°35'32" ♀	-05°50'14"	-01°00'54"	00°02'09"	30.853
16/02/2020 00:00:00	♂	23°52'40" ♂	-22°02'24"	-00°43'27"	00°01'45"	34.806
16/02/2020 00:00:00	♁	07°12'39" ♀	23°14'24"	00°00'00"	00°00'05"	0.002
16/02/2020 00:00:00	♂	03°12'28" ♀	03°49'22"	02°46'35"	00°02'58"	19.619
16/02/2020 00:00:00	☾	02°12'20" ♀	-03°50'04"	-05°08'07"	00°06'43"	0.003
16/02/2020 00:00:00	♁	07°12'39" ♀	23°14'24"	00°00'00"	00°00'05"	0.002

Ephemerides year 2020

16/02/2020 00:00:00	T♄	04°33'02" ♈	-13°52'06"	-04°19'47"	00°17'38"	0.003
16/02/2020 00:00:00	X	23°20'11" ♏	-01°46'37"	-11°39'10"	00°00'22"	96.532
16/02/2020 00:00:00	Y	26°55'44" ♏	07°51'26"	-11°54'49"	00°00'05"	84.591
17/02/2020 00:00:00	☉	27°46'22" ♏	-12°14'43"	00°00'00"	01°00'35"	0.988
17/02/2020 00:00:00	☾	11°08'12" ♏	-19°52'00"	02°15'50"	13°18'01"	0.003
17/02/2020 00:00:00	♀	12°53'22" ♈	-04°28'29"	02°25'45"	00°00'23"	0.777
17/02/2020 00:00:00	♀	10°40'39" ♏	04°20'24"	00°07'25"	01°09'14"	0.982
17/02/2020 00:00:00	♂	00°21'24" ♏	-23°38'46"	00°12'36"	00°41'15"	1.819
17/02/2020 00:00:00	♃	17°01'49" ♏	-22°20'12"	00°00'54"	00°12'06"	5.919
17/02/2020 00:00:00	♅	26°49'51" ♏	-20°47'33"	-00°00'16"	00°06'26"	10.864
17/02/2020 00:00:00	♁	03°13'53" ♏	12°08'55"	-00°28'08"	00°01'50"	20.203
17/02/2020 00:00:00	♃	17°37'42" ♈	-05°49'23"	-01°00'54"	00°02'10"	30.859
17/02/2020 00:00:00	♁	23°54'24" ♏	-22°02'12"	-00°43'33"	00°01'44"	34.797
17/02/2020 00:00:00	♁	07°13'18" ♏	23°14'22"	00°00'00"	00°01'04"	0.002
17/02/2020 00:00:00	♃	03°15'28" ♏	03°50'26"	02°46'26"	00°03'00"	19.629
17/02/2020 00:00:00	♄	02°19'03" ♏	-03°47'27"	-05°08'10"	00°06'43"	0.003
17/02/2020 00:00:00	T♁	07°13'18" ♏	23°14'22"	00°00'00"	00°01'04"	0.002
17/02/2020 00:00:00	T♄	05°37'01" ♈	-13°31'08"	-04°22'43"	01°50'11"	0.003
17/02/2020 00:00:00	X	23°20'33" ♏	-01°46'21"	-11°39'01"	00°00'23"	96.546

Ephemerides year 2020

17/02/2020 00:00:00	Y	26°55'49" ♃	07°51'36"	-11°54'41"	00°00'05"	84.608
18/02/2020 00:00:00	☉	28°46'57" ♁	-11°53'46"	00°00'00"	01°00'34"	0.988
18/02/2020 00:00:00	☾	24°16'51" ♀	-22°09'35"	01°09'14"	12°59'45"	0.003
18/02/2020 00:00:00	♀	12°48'32" ♀	-04°16'45"	02°40'26"	-00°10'01"	0.754
18/02/2020 00:00:00	♀	11°49'49" ♀	04°51'24"	00°11'42"	01°09'04"	0.975
18/02/2020 00:00:00	♂	01°02'40" ♁	-23°39'26"	00°13'29"	00°41'16"	1.811
18/02/2020 00:00:00	♃	17°13'54" ♁	-22°18'46"	00°00'48"	00°12'02"	5.908
18/02/2020 00:00:00	♄	26°56'16" ♁	-20°46'23"	-00°00'20"	00°06'24"	10.855
18/02/2020 00:00:00	♅	03°15'45" ♁	12°09'34"	-00°28'06"	00°01'53"	20.218
18/02/2020 00:00:00	♆	17°39'52" ♁	-05°48'32"	-01°00'54"	00°02'10"	30.865
18/02/2020 00:00:00	♇	23°56'08" ♁	-22°02'00"	-00°43'39"	00°01'43"	34.788
18/02/2020 00:00:00	♈	07°14'27" ♁	23°14'18"	00°00'00"	00°01'03"	0.002
18/02/2020 00:00:00	♉	03°18'29" ♁	03°51'30"	02°46'17"	00°03'02"	19.639
18/02/2020 00:00:00	♊	02°25'47" ♁	-03°44'50"	-05°08'13"	00°06'43"	0.003
18/02/2020 00:00:00	T♈	07°14'27" ♁	23°14'18"	00°00'00"	00°01'03"	0.002
18/02/2020 00:00:00	T♉	08°10'13" ♁	-12°39'53"	-04°29'19"	03°13'21"	0.003
18/02/2020 00:00:00	X	23°20'57" ♁	-01°46'05"	-11°38'53"	00°00'23"	96.560
18/02/2020 00:00:00	Y	26°55'56" ♃	07°51'46"	-11°54'32"	00°00'06"	84.624
19/02/2020 00:00:00	☉	29°47'30" ♁	-11°32'37"	00°00'00"	01°00'32"	0.988

Ephemerides year 2020

19/02/2020 00:00:00	♃	07°08'41" ♀	-23°14'03"	00°00'34"	12°44'24"	0.003
19/02/2020 00:00:00	♆	12°33'23" ♀	-04°09'50"	02°54'09"	-00°20'13"	0.732
19/02/2020 00:00:00	♁	12°58'49" ♀	05°22'19"	00°16'03"	01°08'55"	0.968
19/02/2020 00:00:00	♂	01°43'58" ♀	-23°39'53"	00°14'23"	00°41'17"	1.803
19/02/2020 00:00:00	♃	17°25'54" ♀	-22°17'19"	00°00'42"	00°11'58"	5.897
19/02/2020 00:00:00	♄	27°02'39" ♀	-20°45'13"	-00°00'25"	00°06'21"	10.846
19/02/2020 00:00:00	♅	03°17'40" ♂	12°10'15"	-00°28'05"	00°01'55"	20.234
19/02/2020 00:00:00	♆	17°42'03" ♀	-05°47'40"	-01°00'54"	00°02'11"	30.871
19/02/2020 00:00:00	♁	23°57'51" ♀	-22°01'48"	-00°43'45"	00°01'42"	34.779
19/02/2020 00:00:00	♁	07°15'04" ♂	23°14'16"	00°00'00"	00°00'00"	0.002
19/02/2020 00:00:00	♁	03°21'32" ♀	03°52'35"	02°46'09"	00°03'03"	19.649
19/02/2020 00:00:00	♁	02°32'30" ♀	-03°42'13"	-05°08'16"	00°06'43"	0.003
19/02/2020 00:00:00	♁	07°15'04" ♂	23°14'16"	00°00'00"	00°00'00"	0.002
19/02/2020 00:00:00	♁	11°56'17" ♀	-11°21'50"	-04°38'03"	04°14'19"	0.003
19/02/2020 00:00:00	X	23°21'21" ♀	-01°45'49"	-11°38'45"	00°00'24"	96.573
19/02/2020 00:00:00	Y	26°56'03" ♂	07°51'56"	-11°54'23"	00°00'07"	84.640
20/02/2020 00:00:00	♁	00°48'03" ♀	-11°11'17"	00°00'00"	01°00'31"	0.989
20/02/2020 00:00:00	♃	19°46'35" ♀	-23°04'49"	-01°06'46"	12°31'49"	0.003
20/02/2020 00:00:00	♆	12°08'16" ♀	-04°07'49"	03°06'38"	-00°29'55"	0.712

Ephemerides year 2020

20/02/2020 00:00:00	♀	14°07'39" ♀	05°53'06"	00°20'26"	01°08'45"	0.961
20/02/2020 00:00:00	♂	02°25'16" ♂	-23°40'08" ♁	-00°15'17"	00°41'18"	1.794
20/02/2020 00:00:00	♃	17°37'50" ♂	-22°15'53"	00°00'36"	00°11'53"	5.886
20/02/2020 00:00:00	♄	27°09'00" ♂	-20°44'04"	-00°00'29"	00°06'19"	10.837
20/02/2020 00:00:00	♅	03°19'37" ♂	12°10'56"	-00°28'03"	00°01'58"	20.249
20/02/2020 00:00:00	♆	17°44'15" ♀	-05°46'49"	-01°00'54"	00°02'12"	30.876
20/02/2020 00:00:00	♁	23°59'33" ♂	-22°01'37"	-00°43'51"	00°01'41"	34.770
20/02/2020 00:00:00	♁	07°14'11" ♁	23°14'19"	00°00'00"	-00°01'54"	0.003
20/02/2020 00:00:00	♂	03°24'37" ♀	03°53'40"	02°46'00"	00°03'05"	19.659
20/02/2020 00:00:00	♁	02°39'14" ♀	-03°39'35"	-05°08'19"	00°06'43"	0.003
20/02/2020 00:00:00	T♁	07°14'11" ♁	23°14'19"	00°00'00"	-00°01'54"	0.003
20/02/2020 00:00:00	T♁	16°29'01" ♀	-09°44'13"	-04°46'56"	04°45'54"	0.003
20/02/2020 00:00:00	X	23°21'45" ♀	-01°45'33"	-11°38'37"	00°00'24"	96.587
20/02/2020 00:00:00	Y	26°56'11" ♂	07°52'06"	-11°54'14"	00°00'08"	84.656
21/02/2020 00:00:00	♁	01°48'33" ♀	-10°49'47"	00°00'00"	01°00'30"	0.989
21/02/2020 00:00:00	♃	02°13'07" ♁	-21°46'09"	-02°09'44"	12°21'34"	0.003
21/02/2020 00:00:00	♄	11°33'48" ♀	-04°10'41"	03°17'37"	-00°38'52"	0.694
21/02/2020 00:00:00	♀	15°16'20" ♀	06°23'46"	00°24'52"	01°08'35"	0.954
21/02/2020 00:00:00	♂	03°06'35" ♂	-23°40'10" ♁	-00°16'11"	00°41'19"	1.786



Ephemerides year 2020

21/02/2020 00:00:00	♃	17°49'41" ♍	-22°14'25"	00°00'30"	00°11'48"	5.875
21/02/2020 00:00:00	♅	27°15'18" ♍	-20°42'55"	-00°00'34"	00°06'16"	10.828
21/02/2020 00:00:00	♁	03°21'36" ♏	12°11'38"	-00°28'01"	00°02'00"	20.264
21/02/2020 00:00:00	♆	17°46'27" ♏	-05°45'57"	-01°00'54"	00°02'12"	30.881
21/02/2020 00:00:00	♁	24°01'13" ♍	-22°01'25"	-00°43'57"	00°01'40"	34.760
21/02/2020 00:00:00	♁	07°11'04" ♏	23°14'29"	00°00'00"	-00°04'24"	0.003
21/02/2020 00:00:00	♃	03°27'43" ♏	03°54'47"	02°45'52"	00°03'06"	19.669
21/02/2020 00:00:00	♁	02°45'57" ♏	-03°36'58"	-05°08'21"	00°06'43"	0.003
21/02/2020 00:00:00	♁	07°11'04" ♏	23°14'29"	00°00'00"	-00°04'24"	0.003
21/02/2020 00:00:00	♁	21°17'27" ♏	-07°57'30"	-04°54'18"	04°45'46"	0.003
21/02/2020 00:00:00	X	23°22'10" ♏	-01°45'17"	-11°38'29"	00°00'25"	96.600
21/02/2020 00:00:00	Y	26°56'19" ♏	07°52'17"	-11°54'05"	00°00'08"	84.673
22/02/2020 00:00:00	♁	02°49'03" ♏	-10°28'06"	-00°00'00"	01°00'28"	0.989
22/02/2020 00:00:00	♁	14°30'21" ♏	-19°26'14"	-03°05'41"	12°13'10"	0.003
22/02/2020 00:00:00	♁	10°50'51" ♏	-04°18'18"	03°26'53"	-00°46'48"	0.678
22/02/2020 00:00:00	♁	16°24'50" ♏	06°54'17"	00°29'21"	01°08'24"	0.946
22/02/2020 00:00:00	♁	03°47'56" ♍	-23°40'00"	-00°17'06"	00°41'20"	1.778
22/02/2020 00:00:00	♃	18°01'28" ♍	-22°12'58"	00°00'24"	00°11'44"	5.864
22/02/2020 00:00:00	♅	27°21'33" ♍	-20°41'46"	-00°00'38"	00°06'13"	10.818

Ephemerides year 2020

22/02/2020 00:00:00	♃	03°23'38" ♂	12°12'22"	-00°28'00"	00°02'03"	20.279
22/02/2020 00:00:00	♃	17°48'40" ♀	-05°45'05"	-01°00'54"	00°02'12"	30.886
22/02/2020 00:00:00	♃	24°02'53" ♀	-22°01'14"	-00°44'03"	00°01'39"	34.750
22/02/2020 00:00:00	♃	07°05'19" ♀	23°14'48"	00°00'00"	-00°07'05"	0.003
22/02/2020 00:00:00	♃	03°30'51" ♀	03°55'54"	02°45'44"	00°03'08"	19.678
22/02/2020 00:00:00	♃	02°52'40" ♀	-03°34'20"	-05°08'24"	00°06'43"	0.003
22/02/2020 00:00:00	♃	07°05'19" ♀	23°14'48"	00°00'00"	-00°07'05"	0.003
22/02/2020 00:00:00	♃	25°51'11" ♀	-06°13'29"	-04°59'17"	04°17'44"	0.003
22/02/2020 00:00:00	X	23°22'36" ♀	-01°45'00"	-11°38'21"	00°00'25"	96.613
22/02/2020 00:00:00	Y	26°56'28" ♂	07°52'27"	-11°53'57"	00°00'09"	84.689
23/02/2020 00:00:00	♃	03°49'31" ♀	-10°06'16"	-00°00'00"	01°00'27"	0.989
23/02/2020 00:00:00	♃	26°39'55" ♀	-16°15'46"	-03°52'24"	12°06'10"	0.003
23/02/2020 00:00:00	♃	10°00'35" ♀	-04°30'22"	03°34'13"	-00°53'31"	0.665
23/02/2020 00:00:00	♃	17°33'09" ♀	07°24'40"	00°33'53"	01°08'13"	0.939
23/02/2020 00:00:00	♃	04°29'17" ♀	-23°39'38"	-00°18'01"	00°41'21"	1.770
23/02/2020 00:00:00	♃	18°13'10" ♀	-22°11'30"	00°00'18"	00°11'39"	5.852
23/02/2020 00:00:00	♃	27°27'45" ♀	-20°40'38"	-00°00'42"	00°06'11"	10.808
23/02/2020 00:00:00	♃	03°25'43" ♂	12°13'05"	-00°27'58"	00°02'05"	20.294
23/02/2020 00:00:00	♃	17°50'53" ♀	-05°44'13"	-01°00'54"	00°02'13"	30.891

Ephemerides year 2020

23/02/2020 00:00:00	♁	24°04'32" ♁	-22°01'03"	-00°44'10"	00°01'38"	34.740
23/02/2020 00:00:00	♁	06°56'58" ♁	23°15'15"	00°00'00"	-00°09'30"	0.003
23/02/2020 00:00:00	♁	03°34'00" ♁	03°57'01"	02°45'36"	00°03'09"	19.687
23/02/2020 00:00:00	♁	02°59'24" ♁	-03°31'42"	-05°08'26"	00°06'43"	0.003
23/02/2020 00:00:00	♁	06°56'58" ♁	23°15'15"	00°00'00"	-00°09'30"	0.003
23/02/2020 00:00:00	♁	29°47'17" ♁	-04°42'03"	-05°01'58"	03°32'54"	0.003
23/02/2020 00:00:00	X	23°23'02" ♁	-01°44'44"	-11°38'14"	00°00'26"	96.626
23/02/2020 00:00:00	Y	26°56'38" ♁	07°52'38"	-11°53'48"	00°00'10"	84.705
24/02/2020 00:00:00	♁	04°49'57" ♁	-09°44'16"	-00°00'00"	01°00'25"	0.989
24/02/2020 00:00:00	♁	08°43'05" ♁	-12°26'24"	-04°28'10"	12°00'19"	0.003
24/02/2020 00:00:00	♁	09°04'17" ♁	-04°46'31"	03°39'27"	-00°58'47"	0.653
24/02/2020 00:00:00	♁	18°41'17" ♁	07°54'53"	00°38'27"	01°08'02"	0.932
24/02/2020 00:00:00	♁	05°10'38" ♁	-23°39'02"	-00°18'56"	00°41'22"	1.762
24/02/2020 00:00:00	♁	18°24'47" ♁	-22°10'02"	00°00'12"	00°11'34"	5.840
24/02/2020 00:00:00	♁	27°33'55" ♁	-20°39'29"	-00°00'47"	00°06'08"	10.798
24/02/2020 00:00:00	♁	03°27'50" ♁	12°13'50"	-00°27'56"	00°02'08"	20.309
24/02/2020 00:00:00	♁	17°53'07" ♁	-05°43'21"	-01°00'54"	00°02'13"	30.895
24/02/2020 00:00:00	♁	24°06'09" ♁	-22°00'52"	-00°44'16"	00°01'36"	34.729
24/02/2020 00:00:00	♁	06°46'30" ♁	23°15'47"	00°00'00"	-00°11'17"	0.003

Ephemerides year 2020

24/02/2020 00:00:00	♄	03°37'10" ♀	03°58'10"	02°45'28"	00°03'11"	19.696
24/02/2020 00:00:00	♁	03°06'07" ♀	-03°29'05"	-05°08'28"	00°06'43"	0.003
24/02/2020 00:00:00	♁♂	06°46'30" ♀	23°15'47"	00°00'00"	-00°11'17"	0.003
24/02/2020 00:00:00	♁♄	02°56'35" ♀	-03°27'52"	-05°03'02"	02°46'43"	0.003
24/02/2020 00:00:00	X	23°23'28" ♀	-01°44'27"	-11°38'06"	00°00'26"	96.639
24/02/2020 00:00:00	Y	26°56'49" ♂	07°52'49"	-11°53'39"	00°00'11"	84.721
25/02/2020 00:00:00	♁	05°50'21" ♀	-09°22'08"	-00°00'00"	01°00'23"	0.990
25/02/2020 00:00:00	♁	20°40'57" ♀	-08°09'35"	-04°51'45"	11°55'37"	0.003
25/02/2020 00:00:00	♁♂	08°03'30" ♀	-05°06'15"	03°42'29"	-01°02'30"	0.644
25/02/2020 00:00:00	♁♂	19°49'15" ♀	08°24'55"	00°43'04"	01°07'51"	0.925
25/02/2020 00:00:00	♁♂	05°52'01" ♀	-23°38'15"	00°19'52"	00°41'22"	1.753
25/02/2020 00:00:00	♁♂	18°36'19" ♀	-22°08'34"	00°00'06"	00°11'29"	5.829
25/02/2020 00:00:00	♁♂	27°40'02" ♀	-20°38'22"	-00°00'51"	00°06'05"	10.788
25/02/2020 00:00:00	♁♂	03°29'59" ♀	12°14'36"	-00°27'55"	00°02'10"	20.324
25/02/2020 00:00:00	♁♂	17°55'21" ♀	-05°42'28"	-01°00'54"	00°02'14"	30.899
25/02/2020 00:00:00	♁♂	24°07'46" ♀	-22°00'41"	-00°44'22"	00°01'35"	34.719
25/02/2020 00:00:00	♁♂	06°34'42" ♀	23°16'23"	00°00'00"	-00°12'08"	0.003
25/02/2020 00:00:00	♁♂	03°40'22" ♀	03°59'19"	02°45'20"	00°03'12"	19.704
25/02/2020 00:00:00	♁♂	03°12'51" ♀	-03°26'27"	-05°08'30"	00°06'43"	0.003

Ephemerides year 2020

25/02/2020 00:00:00	T♄	06°34'42" ♉	23°16'23"	00°00'00"	-00°12'08"	0.003
25/02/2020 00:00:00	T♄	05°24'37" ♉	-02°29'28"	-05°03'13"	02°11'51"	0.003
25/02/2020 00:00:00	X	23°23'55" ♉	-01°44'10"	-11°37'58"	00°00'27"	96.652
25/02/2020 00:00:00	Y	26°57'00" ♉	07°53'00"	-11°53'30"	00°00'11"	84.737
26/02/2020 00:00:00	☉	06°50'44" ♉	-08°59'51"	-00°00'00"	01°00'21"	0.990
26/02/2020 00:00:00	☾	02°34'48" ♉	-03°35'57"	-05°02'26"	11°52'19"	0.003
26/02/2020 00:00:00	♁	06°59'49" ♉	-05°28'59"	03°43'15"	-01°04'34"	0.637
26/02/2020 00:00:00	♂	20°57'00" ♉	08°54'47"	00°47'44"	01°07'39"	0.918
26/02/2020 00:00:00	♂	06°33'24" ♉	-23°37'14"	00°20'49"	00°41'23"	1.745
26/02/2020 00:00:00	♂	18°47'46" ♉	-22°07'05"	00°00'00"	00°11'24"	5.817
26/02/2020 00:00:00	♂	27°46'06" ♉	-20°37'14"	-00°00'56"	00°06'02"	10.777
26/02/2020 00:00:00	♂	03°32'11" ♉	12°15'22"	-00°27'53"	00°02'13"	20.338
26/02/2020 00:00:00	♂	17°57'35" ♉	-05°41'36"	-01°00'54"	00°02'14"	30.903
26/02/2020 00:00:00	♂	24°09'21" ♉	-22°00'31"	-00°44'28"	00°01'34"	34.708
26/02/2020 00:00:00	♂	06°22'34" ♉	23°16'58"	00°00'00"	-00°11'55"	0.003
26/02/2020 00:00:00	♂	03°43'35" ♉	04°00'29"	02°45'12"	00°03'13"	19.712
26/02/2020 00:00:00	♂	03°19'34" ♉	-03°23'49"	-05°08'32"	00°06'43"	0.003
26/02/2020 00:00:00	T♄	06°22'34" ♉	23°16'58"	00°00'00"	-00°11'55"	0.003
26/02/2020 00:00:00	T♄	07°25'24" ♉	-01°41'44"	-05°03'03"	01°51'58"	0.003

Ephemerides year 2020

26/02/2020 00:00:00	X	23°24'22" ♀	-01°43'54"	-11°37'51"	00°00'27"	96.664
26/02/2020 00:00:00	Y	26°57'12" ♂	07°53'11"	-11°53'22"	00°00'12"	84.753
27/02/2020 00:00:00	☉	07°51'05" ♀	-08°37'26"	-00°00'00"	01°00'19"	0.990
27/02/2020 00:00:00	☾	14°26'14" ♀	01°04'41"	-05°00'01"	11°50'55"	0.003
27/02/2020 00:00:00	♁	05°54'53" ♀	-05°54'06"	03°41'46"	-01°05'01"	0.633
27/02/2020 00:00:00	♂	22°04'34" ♀	09°24'27"	00°52'25"	01°07'27"	0.911
27/02/2020 00:00:00	♂	07°14'48" ♂	-23°36'01"	-00°21'45"	00°41'24"	1.737
27/02/2020 00:00:00	♃	18°59'07" ♂	-22°05'37"	-00°00'05"	00°11'19"	5.804
27/02/2020 00:00:00	♄	27°52'07" ♂	-20°36'07"	-00°01'00"	00°05'59"	10.767
27/02/2020 00:00:00	♅	03°34'25" ♂	12°16'09"	-00°27'52"	00°02'15"	20.352
27/02/2020 00:00:00	♆	17°59'50" ♀	-05°40'43"	-01°00'54"	00°02'14"	30.906
27/02/2020 00:00:00	♇	24°10'55" ♂	-22°00'20"	-00°44'35"	00°01'33"	34.697
27/02/2020 00:00:00	♈	06°11'11" ♀	23°17'31"	00°00'00"	-00°10'40"	0.003
27/02/2020 00:00:00	♉	03°46'50" ♀	04°01'39"	02°45'05"	00°03'15"	19.720
27/02/2020 00:00:00	♊	03°26'17" ♀	-03°21'10"	-05°08'34"	00°06'43"	0.003
27/02/2020 00:00:00	T♈	06°11'11" ♀	23°17'31"	00°00'00"	-00°10'40"	0.003
27/02/2020 00:00:00	T♉	09°11'56" ♀	-00°59'39"	-05°02'43"	01°42'02"	0.003
27/02/2020 00:00:00	X	23°24'50" ♀	-01°43'37"	-11°37'43"	00°00'28"	96.676
27/02/2020 00:00:00	Y	26°57'25" ♂	07°53'22"	-11°53'13"	00°00'13"	84.769

Ephemerides year 2020

28/02/2020 00:00:00	☉	08°51'24" ♈	-08°14'54"	-00°00'00"	01°00'18"	0.990
28/02/2020 00:00:00	☾	26°17'29" ♏	05°43'14"	-04°44'39"	11°52'03"	0.003
28/02/2020 00:00:00	♁	04°50'17" ♈	-06°20'56"	03°38'08"	-01°03'55"	0.630
28/02/2020 00:00:00	♂	23°11'56" ♏	09°53'55"	00°57'09"	01°07'15"	0.903
28/02/2020 00:00:00	♂	07°56'13" ♎	-23°34'36"	00°22'43"	00°41'25"	1.729
28/02/2020 00:00:00	♃	19°10'24" ♎	-22°04'08"	-00°00'11"	00°11'14"	5.792
28/02/2020 00:00:00	♄	27°58'05" ♎	-20°35'00"	-00°01'05"	00°05'56"	10.756
28/02/2020 00:00:00	♅	03°36'42" ♏	12°16'57"	-00°27'50"	00°02'17"	20.366
28/02/2020 00:00:00	♆	18°02'05" ♈	-05°39'51"	-01°00'54"	00°02'15"	30.909
28/02/2020 00:00:00	♇	24°12'28" ♎	-22°00'10"	-00°44'41"	00°01'32"	34.686
28/02/2020 00:00:00	♈	06°01'29" ♏	23°17'58"	00°00'00"	-00°08'35"	0.003
28/02/2020 00:00:00	♉	03°50'05" ♏	04°02'50"	02°44'57"	00°03'16"	19.728
28/02/2020 00:00:00	♊	03°33'00" ♏	-03°18'32"	-05°08'36"	00°06'43"	0.003
28/02/2020 00:00:00	♋	06°01'29" ♏	23°17'58"	00°00'00"	-00°08'35"	0.003
28/02/2020 00:00:00	♌	10°49'51" ♏	-00°21'03"	-05°02'17"	01°33'13"	0.003
28/02/2020 00:00:00	♍	23°25'18" ♏	-01°43'20"	-11°37'36"	00°00'28"	96.688
28/02/2020 00:00:00	♎	26°57'39" ♏	07°53'34"	-11°53'04"	00°00'13"	84.785
29/02/2020 00:00:00	☉	09°51'41" ♈	-07°52'14"	-00°00'00"	01°00'16"	0.991
29/02/2020 00:00:00	☾	08°11'27" ♏	10°10'44"	-04°16'54"	11°56'28"	0.003

Ephemerides year 2020

29/02/2020 00:00:00	♀	03°47'31" ♈	-06°48'48"	03°32'29"	-01°01'23"	0.630
29/02/2020 00:00:00	♀	24°19'04" ♈	10°23'10"	01°01'54"	01°07'02"	0.896
29/02/2020 00:00:00	♂	08°37'38" ♉	-23°32'58"	00°23'40"	00°41'25"	1.721
29/02/2020 00:00:00	♈	19°21'36" ♉	-22°02'39"	-00°00'17"	00°11'08"	5.780
29/02/2020 00:00:00	♉	28°04'00" ♉	-20°33'54"	-00°01'09"	00°05'53"	10.745
29/02/2020 00:00:00	♊	03°39'01" ♊	12°17'45"	-00°27'48"	00°02'20"	20.380
29/02/2020 00:00:00	♊	18°04'21" ♊	-05°38'58"	-01°00'54"	00°02'15"	30.912
29/02/2020 00:00:00	♋	24°13'59" ♋	-22°00'00"	-00°44'47"	00°01'31"	34.674
29/02/2020 00:00:00	♌	05°54'10" ♌	23°18'17"	00°00'00"	-00°06'00"	0.003
29/02/2020 00:00:00	♌	03°53'22" ♌	04°04'01"	02°44'50"	00°03'17"	19.736
29/02/2020 00:00:00	♍	03°39'44" ♌	-03°15'54"	-05°08'37"	00°06'43"	0.003
29/02/2020 00:00:00	♌♌	05°54'10" ♌	23°18'17"	00°00'00"	-00°06'00"	0.003
29/02/2020 00:00:00	♌♍	12°16'04" ♌	00°12'51"	-05°01'48"	01°17'33"	0.003
29/02/2020 00:00:00	X	23°25'47" ♌	-01°43'03"	-11°37'29"	00°00'28"	96.700
29/02/2020 00:00:00	Y	26°57'53" ♌	07°53'45"	-11°52'56"	00°00'14"	84.801
01/03/2020 00:00:00	♍	10°51'56" ♌	-07°29'27"	-00°00'00"	01°00'14"	0.991
01/03/2020 00:00:00	♎	20°11'47" ♌	14°17'42"	-03°37'34"	12°04'53"	0.003
01/03/2020 00:00:00	♀	02°47'55" ♌	-07°17'06"	03°25'00"	-00°57'37"	0.631
01/03/2020 00:00:00	♀	25°26'00" ♌	10°52'12"	01°06'42"	01°06'49"	0.889



Ephemerides year 2020

01/03/2020 00:00:00	♂	09°19'04" ♍	-23°31'08" ♁	-00°24'38"	00°41'26"	1.712
01/03/2020 00:00:00	♃	19°32'42" ♍	-22°01'10"	-00°00'23"	00°11'03"	5.767
01/03/2020 00:00:00	♅	28°09'52" ♍	-20°32'47"	-00°01'14"	00°05'50"	10.734
01/03/2020 00:00:00	♁	03°41'22" ♏	12°18'35"	-00°27'47"	00°02'22"	20.394
01/03/2020 00:00:00	♆	18°06'36" ♏	-05°38'05"	-01°00'54"	00°02'15"	30.914
01/03/2020 00:00:00	♁	24°15'30" ♍	-21°59'51"	-00°44'54"	00°01'29"	34.663
01/03/2020 00:00:00	♁	05°49'29" ♏	23°18'30"	00°00'00"	-00°03'23"	0.003
01/03/2020 00:00:00	♃	03°56'40" ♏	04°05'13"	02°44'43"	00°03'18"	19.743
01/03/2020 00:00:00	♁	03°46'27" ♏	-03°13'15"	-05°08'38"	00°06'43"	0.003
01/03/2020 00:00:00	♁	05°49'29" ♏	23°18'30"	00°00'00"	-00°03'23"	0.003
01/03/2020 00:00:00	♁	13°20'58" ♏	00°38'18"	-05°01'23"	00°49'58"	0.003
01/03/2020 00:00:00	X	23°26'16" ♏	-01°42'46"	-11°37'22"	00°00'29"	96.712
01/03/2020 00:00:00	Y	26°58'08" ♏	07°53'57"	-11°52'47"	00°00'15"	84.817
02/03/2020 00:00:00	♁	11°52'09" ♏	-07°06'34"	-00°00'00"	01°00'12"	0.991
02/03/2020 00:00:00	♁	02°22'47" ♏	17°53'30"	-02°47'48"	12°17'55"	0.003
02/03/2020 00:00:00	♁	01°52'37" ♏	-07°45'13"	03°15'53"	-00°52'50"	0.634
02/03/2020 00:00:00	♀	26°32'43" ♏	11°20'59"	01°11'31"	01°06'35"	0.882
02/03/2020 00:00:00	♂	10°00'31" ♍	-23°29'05" ♁	-00°25'37"	00°41'27"	1.704
02/03/2020 00:00:00	♃	19°43'42" ♍	-21°59'40"	-00°00'29"	00°10'57"	5.754

Ephemerides year 2020

02/03/2020 00:00:00	♃	28°15'41" ♁	-20°31'42"	-00°01'18"	00°05'47"	10.722
02/03/2020 00:00:00	♃	03°43'45" ♁	12°19'25"	-00°27'45"	00°02'24"	20.408
02/03/2020 00:00:00	♃	18°08'52" ♁	-05°37'12"	-01°00'55"	00°02'16"	30.917
02/03/2020 00:00:00	♃	24°16'59" ♁	-21°59'41"	-00°45'00"	00°01'28"	34.651
02/03/2020 00:00:00	♃	05°47'14" ♁	23°18'36"	00°00'00"	-00°01'12"	0.003
02/03/2020 00:00:00	♃	03°59'59" ♁	04°06'26"	02°44'36"	00°03'19"	19.750
02/03/2020 00:00:00	♃	03°53'11" ♁	-03°10'36"	-05°08'39"	00°06'43"	0.003
02/03/2020 00:00:00	♃	05°47'14" ♁	23°18'36"	00°00'00"	-00°01'12"	0.003
02/03/2020 00:00:00	♃	13°51'25" ♁	00°50'11"	-05°01'13"	00°08'44"	0.003
02/03/2020 00:00:00	X	23°26'46" ♁	-01°42'29"	-11°37'15"	00°00'29"	96.723
02/03/2020 00:00:00	Y	26°58'24" ♁	07°54'08"	-11°52'39"	00°00'16"	84.832
03/03/2020 00:00:00	♃	12°52'20" ♁	-06°43'35"	00°00'00"	01°00'10"	0.991
03/03/2020 00:00:00	♃	14°49'16" ♁	20°45'58"	-01°49'05"	12°35'52"	0.003
03/03/2020 00:00:00	♃	01°02'31" ♁	-08°12'42"	03°05'24"	-00°47'14"	0.639
03/03/2020 00:00:00	♃	27°39'12" ♁	11°49'31"	01°16'21"	01°06'21"	0.874
03/03/2020 00:00:00	♃	10°41'59" ♁	-23°26'50"	-00°26'36"	00°41'28"	1.696
03/03/2020 00:00:00	♃	19°54'37" ♁	-21°58'11"	-00°00'36"	00°10'52"	5.741
03/03/2020 00:00:00	♃	28°21'26" ♁	-20°30'37"	-00°01'23"	00°05'43"	10.711
03/03/2020 00:00:00	♃	03°46'11" ♁	12°20'15"	-00°27'44"	00°02'26"	20.421

Ephemerides year 2020

03/03/2020 00:00:00	♁	18°11'08"	♈	-05°36'19"	-01°00'55"	00°02'16"	30.919
03/03/2020 00:00:00	♁	24°18'27"	♈	-21°59'32"	-00°45'06"	00°01'27"	34.639
03/03/2020 00:00:00	♁	05°46'48"	♁	23°18'37"	00°00'00"	00°00'10"	0.003
03/03/2020 00:00:00	♁	04°03'19"	♈	04°07'39"	02°44'29"	00°03'20"	19.757
03/03/2020 00:00:00	♁	03°59'54"	♈	-03°07'58"	-05°08'40"	00°06'43"	0.003
03/03/2020 00:00:00	T♁	05°46'48"	♁	23°18'37"	00°00'00"	00°00'10"	0.003
03/03/2020 00:00:00	T♁	13°34'38"	♈	00°43'29"	-05°01'29"	-00°43'41"	0.003
03/03/2020 00:00:00	X	23°27'16"	♈	-01°42'11"	-11°37'08"	00°00'30"	96.734
03/03/2020 00:00:00	Y	26°58'41"	♁	07°54'20"	-11°52'30"	00°00'17"	84.848
04/03/2020 00:00:00	♁	13°52'30"	♈	-06°20'31"	00°00'00"	01°00'08"	0.992
04/03/2020 00:00:00	♁	27°36'11"	♁	22°41'29"	-00°43'24"	12°58'42"	0.003
04/03/2020 00:00:00	♁	00°18'20"	♈	-08°39'04"	02°53'45"	-00°41'03"	0.645
04/03/2020 00:00:00	♁	28°45'26"	♈	12°17'48"	01°21'13"	01°06'07"	0.867
04/03/2020 00:00:00	♁	11°23'27"	♈	-23°24'22"	-00°27'35"	00°41'28"	1.688
04/03/2020 00:00:00	♁	20°05'27"	♈	-21°56'42"	-00°00'42"	00°10'46"	5.728
04/03/2020 00:00:00	♁	28°27'09"	♈	-20°29'32"	-00°01'27"	00°05'40"	10.699
04/03/2020 00:00:00	♁	03°48'39"	♁	12°21'07"	-00°27'42"	00°02'28"	20.435
04/03/2020 00:00:00	♁	18°13'25"	♈	-05°35'26"	-01°00'55"	00°02'16"	30.920
04/03/2020 00:00:00	♁	24°19'54"	♈	-21°59'23"	-00°45'13"	00°01'26"	34.627

Ephemerides year 2020

04/03/2020 00:00:00	♏	05°47'12" ♃	23°18'36"	00°00'00"	00°00'26"	0.003
04/03/2020 00:00:00	♋	04°06'41" ♄	04°08'53"	02°44'22"	00°03'21"	19.763
04/03/2020 00:00:00	♌	04°06'38" ♄	-03°05'19"	-05°08'41"	00°06'43"	0.003
04/03/2020 00:00:00	♏	05°47'12" ♃	23°18'36"	00°00'00"	00°00'26"	0.003
04/03/2020 00:00:00	♌	12°22'51" ♄	00°15'10"	-05°02'08"	-01°39'29"	0.003
04/03/2020 00:00:00	X	23°27'46" ♄	-01°41'54"	-11°37'01"	00°00'30"	96.745
04/03/2020 00:00:00	Y	26°58'58" ♃	07°54'32"	-11°52'22"	00°00'17"	84.864
05/03/2020 00:00:00	♈	14°52'37" ♃	-05°57'21"	00°00'00"	01°00'05"	0.992
05/03/2020 00:00:00	♎	10°48'04" ♃	23°26'21" ♁	00°26'36"	13°25'40"	0.003
05/03/2020 00:00:00	♏	29°40'32" ♄	-09°04'00"	02°41'11"	-00°34'29"	0.653
05/03/2020 00:00:00	♏	29°51'26" ♄	12°45'48"	01°26'07"	01°05'52"	0.859
05/03/2020 00:00:00	♈	12°04'56" ♃	-23°21'42"	-00°28'35"	00°41'29"	1.680
05/03/2020 00:00:00	♈	20°16'10" ♃	-21°55'13"	-00°00'48"	00°10'40"	5.715
05/03/2020 00:00:00	♈	28°32'47" ♃	-20°28'28"	-00°01'32"	00°05'37"	10.687
05/03/2020 00:00:00	♏	03°51'09" ♃	12°21'59"	-00°27'41"	00°02'31"	20.448
05/03/2020 00:00:00	♏	18°15'42" ♃	-05°34'33"	-01°00'56"	00°02'16"	30.922
05/03/2020 00:00:00	♏	24°21'19" ♃	-21°59'14"	-00°45'19"	00°01'24"	34.614
05/03/2020 00:00:00	♏	05°47'17" ♃	23°18'36"	00°00'00"	-00°00'28"	0.003
05/03/2020 00:00:00	♋	04°10'03" ♄	04°10'07"	02°44'16"	00°03'22"	19.769

Ephemerides year 2020

05/03/2020 00:00:00	☾	04°13'21" ♀	-03°02'40"	-05°08'42"	00°06'43"	0.003
05/03/2020 00:00:00	♄♁	05°47'17" ♀	23°18'36"	00°00'00"	-00°00'28"	0.003
05/03/2020 00:00:00	♄☾	10°18'49" ♀	-00°33'37"	-05°02'49"	-02°25'45"	0.003
05/03/2020 00:00:00	X	23°28'18" ♀	-01°41'37"	-11°36'54"	00°00'31"	96.756
05/03/2020 00:00:00	Y	26°59'16" ♂	07°54'44"	-11°52'13"	00°00'18"	84.879
06/03/2020 00:00:00	☉	15°52'41" ♀	-05°34'07"	00°00'00"	01°00'03"	0.992
06/03/2020 00:00:00	♃	24°28'25" ♀	22°49'18"	01°37'28"	13°55'15"	0.002
06/03/2020 00:00:00	♀	29°09'26" ♀	-09°27'14"	02°27'55"	-00°27'42"	0.662
06/03/2020 00:00:00	♀	00°57'10" ♂	13°13'32"	01°31'01"	01°05'36"	0.852
06/03/2020 00:00:00	♂	12°46'26" ♂	-23°18'50"	-00°29'35"	00°41'30"	1.671
06/03/2020 00:00:00	♃	20°26'48" ♂	-21°53'44"	-00°00'54"	00°10'34"	5.702
06/03/2020 00:00:00	♃	28°38'23" ♂	-20°27'24"	-00°01'36"	00°05'33"	10.675
06/03/2020 00:00:00	♃	03°53'41" ♂	12°22'52"	-00°27'39"	00°02'33"	20.460
06/03/2020 00:00:00	♃	18°17'58" ♀	-05°33'40"	-01°00'56"	00°02'16"	30.923
06/03/2020 00:00:00	♃	24°22'43" ♂	-21°59'06"	-00°45'26"	00°01'23"	34.602
06/03/2020 00:00:00	♁	05°45'55" ♀	23°18'39"	00°00'00"	-00°02'24"	0.003
06/03/2020 00:00:00	♃	04°13'26" ♀	04°11'22"	02°44'09"	00°03'23"	19.775
06/03/2020 00:00:00	☾	04°20'05" ♀	-03°00'01"	-05°08'42"	00°06'43"	0.003
06/03/2020 00:00:00	♄♁	05°45'55" ♀	23°18'39"	00°00'00"	-00°02'24"	0.003

Ephemerides year 2020

06/03/2020 00:00:00	T♄	07°39'01" ♀	-01°36'22"	-05°03'02"	-02°49'16"	0.003
06/03/2020 00:00:00	X	23°28'49" ♀	-01°41'19"	-11°36'47"	00°00'31"	96.766
06/03/2020 00:00:00	Y	26°59'35" ♂	07°54'56"	-11°52'05"	00°00'19"	84.894
07/03/2020 00:00:00	☉	16°52'44" ♀	-05°10'48"	00°00'00"	01°00'01"	0.992
07/03/2020 00:00:00	☾	08°38'37" ♂	20°44'53"	02°44'48"	14°24'54"	0.002
07/03/2020 00:00:00	♀	28°45'09" ♀	-09°48'31"	02°14'10"	-00°20'51"	0.671
07/03/2020 00:00:00	♀	02°02'39" ♂	13°40'58"	01°35'56"	01°05'21"	0.845
07/03/2020 00:00:00	♂	13°27'57" ♂	-23°15'46"	-00°30'35"	00°41'31"	1.663
07/03/2020 00:00:00	♃	20°37'20" ♂	-21°52'16"	-00°01'01"	00°10'28"	5.689
07/03/2020 00:00:00	♅	28°43'55" ♂	-20°26'21"	-00°01'41"	00°05'30"	10.662
07/03/2020 00:00:00	♁	03°56'16" ♂	12°23'45"	-00°27'38"	00°02'35"	20.473
07/03/2020 00:00:00	♃	18°20'15" ♀	-05°32'47"	-01°00'57"	00°02'16"	30.924
07/03/2020 00:00:00	♁	24°24'06" ♂	-21°58'57"	-00°45'32"	00°01'22"	34.589
07/03/2020 00:00:00	♁	05°42'14" ♀	23°18'49"	00°00'00"	-00°05'00"	0.003
07/03/2020 00:00:00	♃	04°16'50" ♀	04°12'37"	02°44'03"	00°03'24"	19.781
07/03/2020 00:00:00	♄	04°26'48" ♀	-02°57'21"	-05°08'43"	00°06'43"	0.003
07/03/2020 00:00:00	T♁	05°42'14" ♀	23°18'49"	00°00'00"	-00°05'00"	0.003
07/03/2020 00:00:00	T♄	04°49'34" ♀	-02°42'39"	-05°02'30"	-02°45'23"	0.003
07/03/2020 00:00:00	X	23°29'21" ♀	-01°41'02"	-11°36'41"	00°00'32"	96.777

Ephemerides year 2020

07/03/2020 00:00:00	Y	26°59'55" ♃	07°55'09"	-11°51'57"	00°00'19"	84.910
08/03/2020 00:00:00	☉	17°52'45" ♃	-04°47'25"	00°00'00"	00°59'59"	0.993
08/03/2020 00:00:00	☾	23°17'08" ♃	17°16'13"	03°43'30"	14°51'14"	0.002
08/03/2020 00:00:00	♀	28°27'42" ♃	-10°07'45"	02°00'05"	-00°14'04"	0.682
08/03/2020 00:00:00	♀	03°07'52" ♃	14°08'06"	01°40'52"	01°05'04"	0.837
08/03/2020 00:00:00	♂	14°09'28" ♃	-23°12'29"	-00°31'36"	00°41'31"	1.655
08/03/2020 00:00:00	♃	20°47'46" ♃	-21°50'47"	-00°01'07"	00°10'22"	5.675
08/03/2020 00:00:00	♃	28°49'23" ♃	-20°25'18"	-00°01'45"	00°05'26"	10.650
08/03/2020 00:00:00	♃	03°58'52" ♃	12°24'39"	-00°27'36"	00°02'37"	20.486
08/03/2020 00:00:00	♃	18°22'32" ♃	-05°31'54"	-01°00'57"	00°02'16"	30.924
08/03/2020 00:00:00	♃	24°25'28" ♃	-21°58'49"	-00°45'39"	00°01'20"	34.576
08/03/2020 00:00:00	♃	05°35'53" ♃	23°19'05"	00°00'00"	-00°07'40"	0.003
08/03/2020 00:00:00	♃	04°20'14" ♃	04°13'53"	02°43'57"	00°03'25"	19.786
08/03/2020 00:00:00	♃	04°33'32" ♃	-02°54'42"	-05°08'43"	00°06'43"	0.003
08/03/2020 00:00:00	T♃	05°35'53" ♃	23°19'05"	00°00'00"	-00°07'40"	0.003
08/03/2020 00:00:00	T♃	02°14'31" ♃	-03°43'01"	-05°01'22"	-02°22'53"	0.003
08/03/2020 00:00:00	X	23°29'53" ♃	-01°40'44"	-11°36'34"	00°00'32"	96.787
08/03/2020 00:00:00	Y	27°00'15" ♃	07°55'21"	-11°51'49"	00°00'20"	84.925
09/03/2020 00:00:00	☉	18°52'43" ♃	-04°23'58"	00°00'00"	00°59'57"	0.993

Ephemerides year 2020

09/03/2020 00:00:00	♃	08°18'45"	♍	12°35'45"	♈	04°28'19"	♏	15°10'31"	0.002
09/03/2020 00:00:00	♆	28°16'58"	♁	-10°24'49"	♈	01°45'50"	♏	-00°07'25"	0.694
09/03/2020 00:00:00	♀	04°12'49"	♈	14°34'56"	♈	01°45'49"	♏	01°04'47"	0.830
09/03/2020 00:00:00	♂	14°51'01"	♎	-23°09'00"	♈	-00°32'38"	♏	00°41'32"	1.647
09/03/2020 00:00:00	♃	20°58'05"	♎	-21°49'19"	♈	-00°01'13"	♏	00°10'16"	5.662
09/03/2020 00:00:00	♃	28°54'48"	♎	-20°24'16"	♈	-00°01'50"	♏	00°05'22"	10.637
09/03/2020 00:00:00	♃	04°01'30"	♈	12°25'34"	♈	-00°27'35"	♏	00°02'38"	20.498
09/03/2020 00:00:00	♃	18°24'48"	♈	-05°31'01"	♈	-01°00'58"	♏	00°02'16"	30.924
09/03/2020 00:00:00	♃	24°26'47"	♎	-21°58'42"	♈	-00°45'45"	♏	00°01'19"	34.563
09/03/2020 00:00:00	♁	05°27'03"	♁	23°19'27"	♈	00°00'00"	♏	-00°09'49"	0.003
09/03/2020 00:00:00	♃	04°23'40"	♈	04°15'09"	♈	02°43'50"	♏	00°03'25"	19.791
09/03/2020 00:00:00	♃	04°40'15"	♈	-02°52'02"	♈	-05°08'43"	♏	00°06'43"	0.003
09/03/2020 00:00:00	♁	05°27'03"	♁	23°19'27"	♈	00°00'00"	♏	-00°09'49"	0.003
09/03/2020 00:00:00	♃	00°04'19"	♈	-04°33'30"	♈	-05°00'02"	♏	-01°58'38"	0.003
09/03/2020 00:00:00	X	23°30'25"	♈	-01°40'27"	♈	-11°36'28"	♏	00°00'32"	96.796
09/03/2020 00:00:00	Y	27°00'36"	♈	07°55'33"	♈	-11°51'40"	♏	00°00'21"	84.940
10/03/2020 00:00:00	♁	19°52'40"	♈	-04°00'29"	♈	00°00'00"	♏	00°59'55"	0.993
10/03/2020 00:00:00	♃	23°34'46"	♍	07°03'34"	♈	04°54'48"	♏	15°19'37"	0.002
10/03/2020 00:00:00	♆	28°12'46"	♁	-10°39'40"	♈	01°31'34"	♏	-00°00'59"	0.706



Ephemerides year 2020

10/03/2020 00:00:00	♀	05°17'28" ♂	15°01'26"	01°50'46"	01°04'30"	0.822
10/03/2020 00:00:00	♂	15°32'34" ♀	-23°05'19"	-00°33'40"	00°41'33"	1.639
10/03/2020 00:00:00	♃	21°08'19" ♀	-21°47'51"	-00°01'20"	00°10'10"	5.648
10/03/2020 00:00:00	♄	29°00'08" ♀	-20°23'15"	-00°01'54"	00°05'19"	10.624
10/03/2020 00:00:00	♅	04°04'10" ♂	12°26'29"	-00°27'34"	00°02'40"	20.510
10/03/2020 00:00:00	♆	18°27'05" ♃	-05°30'08"	-01°00'58"	00°02'16"	30.924
10/03/2020 00:00:00	♇	24°28'06" ♀	-21°58'34"	-00°45'52"	00°01'17"	34.550
10/03/2020 00:00:00	♈	05°16'35" ♃	23°19'53"	00°00'00"	-00°10'55"	0.003
10/03/2020 00:00:00	♉	04°27'06" ♃	04°16'25"	02°43'45"	00°03'26"	19.796
10/03/2020 00:00:00	♊	04°46'58" ♃	-02°49'23"	-05°08'43"	00°06'43"	0.003
10/03/2020 00:00:00	T♈	05°16'35" ♃	23°19'53"	00°00'00"	-00°10'55"	0.003
10/03/2020 00:00:00	T♊	28°12'50" ♃	-05°16'40"	-04°58'45"	-01°47'15"	0.003
10/03/2020 00:00:00	X	23°30'58" ♃	-01°40'09"	-11°36'22"	00°00'32"	96.806
10/03/2020 00:00:00	Y	27°00'57" ♂	07°55'46"	-11°51'32"	00°00'21"	84.955
11/03/2020 00:00:00	☾	20°52'34" ♃	-03°36'56"	00°00'00"	00°59'53"	0.993
11/03/2020 00:00:00	☽	08°54'03" ♃	01°04'25"	05°00'18"	15°17'00"	0.002
11/03/2020 00:00:00	♁	28°14'53" ♃	-10°52'16"	01°17'22"	00°05'10"	0.718
11/03/2020 00:00:00	♀	06°21'50" ♂	15°27'36"	01°55'43"	01°04'13"	0.815
11/03/2020 00:00:00	♂	16°14'07" ♀	-23°01'26"	-00°34'42"	00°41'34"	1.630

Ephemerides year 2020

11/03/2020 00:00:00	♃	21°18'26" ♂	-21°46'23"	-00°01'26"	00°10'03"	5.634
11/03/2020 00:00:00	♅	29°05'26" ♂	-20°22'14"	-00°01'59"	00°05'15"	10.611
11/03/2020 00:00:00	♁	04°06'51" ♀	12°27'25"	-00°27'32"	00°02'42"	20.522
11/03/2020 00:00:00	♆	18°29'21" ♀	-05°29'15"	-01°00'59"	00°02'16"	30.924
11/03/2020 00:00:00	♄	24°29'23" ♂	-21°58'27"	-00°45'58"	00°01'16"	34.536
11/03/2020 00:00:00	♁	05°05'39" ♀	23°20'18"	00°00'00"	-00°10'41"	0.003
11/03/2020 00:00:00	♆	04°30'33" ♀	04°17'42"	02°43'39"	00°03'27"	19.801
11/03/2020 00:00:00	♁	04°53'42" ♀	-02°46'43"	-05°08'43"	00°06'43"	0.003
11/03/2020 00:00:00	T♁	05°05'39" ♀	23°20'18"	00°00'00"	-00°10'41"	0.003
11/03/2020 00:00:00	T♆	26°23'37" ♀	-05°58'58"	-04°57'31"	-01°54'00"	0.003
11/03/2020 00:00:00	X	23°31'31" ♀	-01°39'51"	-11°36'16"	00°00'33"	96.815
11/03/2020 00:00:00	Y	27°01'19" ♀	07°55'59"	-11°51'24"	00°00'22"	84.970
12/03/2020 00:00:00	♁	21°52'27" ♀	-03°13'21"	00°00'00"	00°59'51"	0.994
12/03/2020 00:00:00	♃	24°05'04" ♀	-04°55'39"	04°44'32"	15°03'21"	0.002
12/03/2020 00:00:00	♁	28°23'01" ♀	-11°02'38"	01°03'20"	00°11'02"	0.732
12/03/2020 00:00:00	♁	07°25'54" ♀	15°53'26"	02°00'40"	01°03'55"	0.807
12/03/2020 00:00:00	♂	16°55'42" ♂	-22°57'21"	-00°35'45"	00°41'35"	1.622
12/03/2020 00:00:00	♃	21°28'27" ♂	-21°44'56"	-00°01'33"	00°09'57"	5.620
12/03/2020 00:00:00	♅	29°10'39" ♂	-20°21'14"	-00°02'04"	00°05'11"	10.598

Ephemerides year 2020

12/03/2020 00:00:00	♃	04°09'35"	♏	12°28'22"	-00°27'31"	00°02'44"	20.534
12/03/2020 00:00:00	♃	18°31'38"	♏	-05°28'22"	-01°00'59"	00°02'16"	30.923
12/03/2020 00:00:00	♃	24°30'39"	♏	-21°58'20"	-00°46'05"	00°01'14"	34.523
12/03/2020 00:00:00	♁	04°55'37"	♏	23°20'41"	00°00'00"	-00°09'11"	0.003
12/03/2020 00:00:00	♃	04°34'00"	♏	04°18'59"	02°43'33"	00°03'27"	19.805
12/03/2020 00:00:00	♁	05°00'25"	♏	-02°44'04"	-05°08'42"	00°06'43"	0.003
12/03/2020 00:00:00	T♁	04°55'37"	♏	23°20'41"	00°00'00"	-00°09'11"	0.003
12/03/2020 00:00:00	T♁	24°20'44"	♏	-06°46'27"	-04°56'03"	-02°12'34"	0.003
12/03/2020 00:00:00	X	23°32'05"	♏	-01°39'34"	-11°36'10"	00°00'33"	96.824
12/03/2020 00:00:00	Y	27°01'42"	♏	07°56'11"	-11°51'16"	00°00'23"	84.985
13/03/2020 00:00:00	♁	22°52'18"	♏	-02°49'43"	00°00'00"	00°59'50"	0.994
13/03/2020 00:00:00	♃	08°57'56"	♏	-10°32'16"	04°09'38"	14°41'15"	0.002
13/03/2020 00:00:00	♁	28°36'52"	♏	-11°10'46"	00°49'34"	00°16'36"	0.745
13/03/2020 00:00:00	♁	08°29'40"	♏	16°18'55"	02°05'37"	01°03'36"	0.800
13/03/2020 00:00:00	♁	17°37'18"	♏	-22°53'04"	-00°36'49"	00°41'36"	1.614
13/03/2020 00:00:00	♁	21°38'21"	♏	-21°43'29"	-00°01'39"	00°09'51"	5.606
13/03/2020 00:00:00	♁	29°15'49"	♏	-20°20'14"	-00°02'08"	00°05'07"	10.584
13/03/2020 00:00:00	♃	04°12'21"	♏	12°29'19"	-00°27'30"	00°02'46"	20.545
13/03/2020 00:00:00	♃	18°33'54"	♏	-05°27'29"	-01°01'00"	00°02'16"	30.923

Ephemerides year 2020

13/03/2020 00:00:00	♁	24°31'53" ⚊	-21°58'13"	-00°46'11"	00°01'13"	34.509
13/03/2020 00:00:00	♁	04°47'35" ♁	23°20'59"	00°00'00"	-00°06'47"	0.003
13/03/2020 00:00:00	♁	04°37'28" ♁	04°20'17"	02°43'28"	00°03'28"	19.809
13/03/2020 00:00:00	♁	05°07'08" ♁	-02°41'24"	-05°08'42"	00°06'43"	0.003
13/03/2020 00:00:00	♁	04°47'35" ♁	23°20'59"	00°00'00"	-00°06'47"	0.003
13/03/2020 00:00:00	♁	21°59'52" ♁	-07°40'28"	-04°54'02"	-02°26'51"	0.003
13/03/2020 00:00:00	X	23°32'39" ♁	-01°39'16"	-11°36'04"	00°00'34"	96.833
13/03/2020 00:00:00	Y	27°02'05" ⚊	07°56'24"	-11°51'08"	00°00'23"	84.999
14/03/2020 00:00:00	♁	23°52'08" ♁	-02°26'04"	00°00'00"	00°59'48"	0.994
14/03/2020 00:00:00	♁	23°25'58" ♁	-15°24'33"	03°19'25"	14°14'20"	0.002
14/03/2020 00:00:00	♁	28°56'08" ♁	-11°16'44"	00°36'05"	00°21'52"	0.759
14/03/2020 00:00:00	♁	09°33'08" ⚊	16°44'02"	02°10'34"	01°03'18"	0.792
14/03/2020 00:00:00	♁	18°18'54" ⚊	-22°48'35"	-00°37'52"	00°41'36"	1.606
14/03/2020 00:00:00	♁	21°48'09" ⚊	-21°42'02"	-00°01'46"	00°09'44"	5.592
14/03/2020 00:00:00	♁	29°20'55" ⚊	-20°19'15"	-00°02'13"	00°05'03"	10.571
14/03/2020 00:00:00	♁	04°15'08" ⚊	12°30'16"	-00°27'28"	00°02'48"	20.556
14/03/2020 00:00:00	♁	18°36'10" ♁	-05°26'36"	-01°01'00"	00°02'16"	30.921
14/03/2020 00:00:00	♁	24°33'06" ⚊	-21°58'07"	-00°46'18"	00°01'12"	34.495
14/03/2020 00:00:00	♁	04°42'09" ♁	23°21'11"	00°00'00"	-00°04'05"	0.002

Ephemerides year 2020

14/03/2020 00:00:00	♄	04°40'57" ♀	04°21'35"	02°43'22"	00°03'28"	19.813
14/03/2020 00:00:00	♁	05°13'52" ♀	-02°38'44"	-05°08'41"	00°06'43"	0.003
14/03/2020 00:00:00	♄♁	04°42'09" ♀	23°21'11"	00°00'00"	-00°04'05"	0.002
14/03/2020 00:00:00	♄♁	19°34'28" ♀	-08°35'35"	-04°51'29"	-02°19'08"	0.003
14/03/2020 00:00:00	X	23°33'13" ♀	-01°38'59"	-11°35'58"	00°00'34"	96.842
14/03/2020 00:00:00	Y	27°02'29" ♂	07°56'37"	-11°51'00"	00°00'24"	85.014
15/03/2020 00:00:00	♁	24°51'55" ♀	-02°02'22"	00°00'00"	00°59'46"	0.994
15/03/2020 00:00:00	♃	07°26'11" ♂	-19°16'13"	02°18'32"	13°46'07"	0.003
15/03/2020 00:00:00	♁	29°20'30" ♀	-11°20'33"	00°22'58"	00°26'48"	0.773
15/03/2020 00:00:00	♁	10°36'17" ♂	17°08'47"	02°15'31"	01°02'58"	0.785
15/03/2020 00:00:00	♁	19°00'32" ♂	-22°43'54"	-00°38'57"	00°41'37"	1.598
15/03/2020 00:00:00	♁	21°57'50" ♂	-21°40'36"	-00°01'53"	00°09'37"	5.578
15/03/2020 00:00:00	♁	29°25'57" ♂	-20°18'17"	-00°02'18"	00°04'59"	10.557
15/03/2020 00:00:00	♁	04°17'57" ♂	12°31'15"	-00°27'27"	00°02'50"	20.567
15/03/2020 00:00:00	♁	18°38'27" ♀	-05°25'44"	-01°01'01"	00°02'16"	30.920
15/03/2020 00:00:00	♁	24°34'17" ♂	-21°58'01"	-00°46'25"	00°01'10"	34.481
15/03/2020 00:00:00	♁	04°39'17" ♀	23°21'17"	00°00'00"	-00°01'44"	0.002
15/03/2020 00:00:00	♄	04°44'26" ♀	04°22'53"	02°43'17"	00°03'29"	19.816
15/03/2020 00:00:00	♁	05°20'35" ♀	-02°36'04"	-05°08'40"	00°06'43"	0.003

Ephemerides year 2020

15/03/2020 00:00:00	T♄	04°39'17" ♉	23°21'17"	00°00'00"	-00°01'44"	0.002
15/03/2020 00:00:00	T♄	17°31'47" ♉	-09°21'28"	-04°48'56"	-01°41'21"	0.003
15/03/2020 00:00:00	X	23°33'48" ♉	-01°38'41"	-11°35'52"	00°00'34"	96.850
15/03/2020 00:00:00	Y	27°02'54" ♉	07°56'50"	-11°50'53"	00°00'25"	85.028
16/03/2020 00:00:00	☉	25°51'42" ♉	-01°38'40"	00°00'00"	00°59'45"	0.995
16/03/2020 00:00:00	☾	20°58'44" ♉	-21°56'20"	01°11'36"	13°19'24"	0.003
16/03/2020 00:00:00	♁	29°49'39" ♉	-11°22'16"	00°10'15"	00°31'27"	0.787
16/03/2020 00:00:00	♂	11°39'06" ♉	17°33'10"	02°20'26"	01°02'39"	0.777
16/03/2020 00:00:00	♂	19°42'10" ♉	-22°39'01"	-00°40'01"	00°41'38"	1.590
16/03/2020 00:00:00	♂	22°07'25" ♉	-21°39'10"	-00°01'59"	00°09'31"	5.563
16/03/2020 00:00:00	♂	29°30'55" ♉	-20°17'19"	-00°02'22"	00°04'55"	10.543
16/03/2020 00:00:00	♂	04°20'48" ♉	12°32'13"	-00°27'26"	00°02'51"	20.578
16/03/2020 00:00:00	♂	18°40'43" ♉	-05°24'51"	-01°01'02"	00°02'16"	30.918
16/03/2020 00:00:00	♂	24°35'27" ♉	-21°57'55"	-00°46'31"	00°01'09"	34.467
16/03/2020 00:00:00	♂	04°38'22" ♉	23°21'18"	00°00'00"	-00°00'15"	0.002
16/03/2020 00:00:00	♂	04°47'56" ♉	04°24'12"	02°43'12"	00°03'30"	19.819
16/03/2020 00:00:00	♂	05°27'19" ♉	-02°33'23"	-05°08'39"	00°06'43"	0.003
16/03/2020 00:00:00	T♄	04°38'22" ♉	23°21'18"	00°00'00"	-00°00'15"	0.002
16/03/2020 00:00:00	T♄	16°19'40" ♉	-09°48'09"	-04°47'13"	-00°40'08"	0.003

Ephemerides year 2020

16/03/2020 00:00:00	X	23°34'23" ♀	-01°38'23"	-11°35'47"	00°00'35"	96.858
16/03/2020 00:00:00	Y	27°03'20" ♂	07°57'03"	-11°50'45"	00°00'25"	85.042
17/03/2020 00:00:00	☉	26°51'26" ♀	-01°14'57"	00°00'00"	00°59'43"	0.995
17/03/2020 00:00:00	☾	04°06'06" ♂	-23°19'32"	00°02'50"	12°55'58"	0.003
17/03/2020 00:00:00	♁	00°23'19" ♀	-11°21'57"	-00°02'03"	00°35'48"	0.802
17/03/2020 00:00:00	♂	12°41'35" ♂	17°57'10"	02°25'21"	01°02'18"	0.769
17/03/2020 00:00:00	♊	20°23'48" ♂	-22°33'56"	-00°41'07"	00°41'39"	1.582
17/03/2020 00:00:00	♋	22°16'53" ♂	-21°37'45"	-00°02'06"	00°09'24"	5.549
17/03/2020 00:00:00	♌	29°35'49" ♂	-20°16'23"	-00°02'27"	00°04'51"	10.529
17/03/2020 00:00:00	♍	04°23'41" ♂	12°33'13"	-00°27'24"	00°02'53"	20.589
17/03/2020 00:00:00	♎	18°42'59" ♀	-05°23'58"	-01°01'02"	00°02'15"	30.916
17/03/2020 00:00:00	♏	24°36'36" ♂	-21°57'49"	-00°46'38"	00°01'07"	34.452
17/03/2020 00:00:00	♐	04°38'21" ♁	23°21'18"	00°00'00"	00°00'01"	0.002
17/03/2020 00:00:00	♑	04°51'26" ♀	04°25'31"	02°43'07"	00°03'30"	19.822
17/03/2020 00:00:00	♒	05°34'02" ♀	-02°30'43"	-05°08'38"	00°06'43"	0.003
17/03/2020 00:00:00	T♈	04°38'21" ♁	23°21'18"	00°00'00"	00°00'01"	0.002
17/03/2020 00:00:00	T♉	16°14'17" ♀	-09°50'05"	-04°47'03"	00°29'29"	0.003
17/03/2020 00:00:00	X	23°34'58" ♀	-01°38'06"	-11°35'41"	00°00'35"	96.866
17/03/2020 00:00:00	Y	27°03'46" ♂	07°57'16"	-11°50'37"	00°00'26"	85.057

Ephemerides year 2020

18/03/2020 00:00:00	♁	27°51'09" ♈	-00°51'14"	00°00'00"	00°59'41"	0.995
18/03/2020 00:00:00	♃	16°52'04" ♈	-23°26'01"	-01°04'11"	12°36'39"	0.003
18/03/2020 00:00:00	♆	01°01'11" ♈	-11°19'38"	-00°13'54"	00°39'53"	0.816
18/03/2020 00:00:00	♁	13°43'43" ♈	18°20'47"	02°30'16"	01°01'57"	0.762
18/03/2020 00:00:00	♂	21°05'28" ♈	-22°28'40"	-00°42'12"	00°41'39"	1.573
18/03/2020 00:00:00	♃	22°26'13" ♈	-21°36'20"	-00°02'13"	00°09'17"	5.534
18/03/2020 00:00:00	♅	29°40'38" ♈	-20°15'26"	-00°02'32"	00°04'47"	10.515
18/03/2020 00:00:00	♁	04°26'36" ♈	12°34'12"	-00°27'23"	00°02'55"	20.599
18/03/2020 00:00:00	♆	18°45'14" ♈	-05°23'06"	-01°01'03"	00°02'15"	30.914
18/03/2020 00:00:00	♃	24°37'43" ♈	-21°57'43"	-00°46'45"	00°01'06"	34.438
18/03/2020 00:00:00	♁	04°37'59" ♈	23°21'19"	00°00'00"	-00°00'57"	0.002
18/03/2020 00:00:00	♆	04°54'57" ♈	04°26'50"	02°43'02"	00°03'30"	19.825
18/03/2020 00:00:00	♁	05°40'45" ♈	-02°28'03"	-05°08'36"	00°06'43"	0.003
18/03/2020 00:00:00	♁	04°37'59" ♈	23°21'19"	00°00'00"	-00°00'57"	0.002
18/03/2020 00:00:00	♆	17°16'49" ♈	-09°26'56"	-04°48'29"	01°33'48"	0.003
18/03/2020 00:00:00	X	23°35'33" ♈	-01°37'48"	-11°35'36"	00°00'35"	96.873
18/03/2020 00:00:00	Y	27°04'13" ♈	07°57'29"	-11°50'30"	00°00'27"	85.071
19/03/2020 00:00:00	♁	28°50'50" ♈	-00°27'30"	00°00'00"	00°59'40"	0.996
19/03/2020 00:00:00	♃	29°20'50" ♈	-22°20'51"	-02°06'33"	12°21'35"	0.003



Ephemerides year 2020

19/03/2020 00:00:00	♀	01°43'01" ♈	-11°15'24"	-00°25'18"	00°43'43"	0.831
19/03/2020 00:00:00	♀	14°45'31" ♉	18°43'59"	02°35'08"	01°01'36"	0.754
19/03/2020 00:00:00	♂	21°47'08" ♊	-22°23'12"	-00°43'18"	00°41'40"	1.565
19/03/2020 00:00:00	♈	22°35'27" ♊	-21°34'56"	-00°02'19"	00°09'10"	5.519
19/03/2020 00:00:00	♉	29°45'24" ♊	-20°14'31"	-00°02'37"	00°04'43"	10.501
19/03/2020 00:00:00	♊	04°29'32" ♉	12°35'13"	-00°27'22"	00°02'56"	20.610
19/03/2020 00:00:00	♋	18°47'30" ♈	-05°22'14"	-01°01'04"	00°02'15"	30.911
19/03/2020 00:00:00	♌	24°38'48" ♊	-21°57'38"	-00°46'51"	00°01'04"	34.423
19/03/2020 00:00:00	♍	04°36'04" ♉	23°21'23"	00°00'00"	-00°03'01"	0.003
19/03/2020 00:00:00	♎	04°58'28" ♏	04°28'09"	02°42'57"	00°03'31"	19.827
19/03/2020 00:00:00	♏	05°47'29" ♏	-02°25'22"	-05°08'35"	00°06'43"	0.003
19/03/2020 00:00:00	♐	04°36'04" ♉	23°21'23"	00°00'00"	-00°03'01"	0.003
19/03/2020 00:00:00	♑	19°17'23" ♈	-08°41'54"	-04°51'02"	02°24'41"	0.003
19/03/2020 00:00:00	X	23°36'09" ♏	-01°37'30"	-11°35'30"	00°00'35"	96.881
19/03/2020 00:00:00	Y	27°04'40" ♉	07°57'42"	-11°50'22"	00°00'27"	85.084
20/03/2020 00:00:00	♈	29°50'29" ♈	-00°03'46"	-00°00'00"	00°59'38"	0.996
20/03/2020 00:00:00	♉	11°36'33" ♉	-20°12'37"	-03°01'49"	12°10'25"	0.003
20/03/2020 00:00:00	♀	02°28'33" ♈	-11°09'17"	-00°36'13"	00°47'18"	0.846
20/03/2020 00:00:00	♀	15°46'56" ♉	19°06'47"	02°40'00"	01°01'14"	0.747

Ephemerides year 2020

20/03/2020 00:00:00	♂	22°28'48" ♍	-22°17'33"	-00°44'25"	00°41'40"	1.557
20/03/2020 00:00:00	♃	22°44'33" ♍	-21°33'33"	-00°02'26"	00°09'02"	5.505
20/03/2020 00:00:00	♅	29°50'05" ♍	-20°13'37"	-00°02'41"	00°04'39"	10.487
20/03/2020 00:00:00	♁	04°32'29" ♉	12°36'14"	-00°27'21"	00°02'58"	20.619
20/03/2020 00:00:00	♆	18°49'45" ♋	-05°21'22"	-01°01'05"	00°02'14"	30.908
20/03/2020 00:00:00	♁	24°39'52" ♍	-21°57'34"	-00°46'58"	00°01'03"	34.408
20/03/2020 00:00:00	♁	04°31'40" ♉	23°21'32"	00°00'00"	-00°05'50"	0.003
20/03/2020 00:00:00	♃	05°01'59" ♉	04°29'29"	02°42'53"	00°03'31"	19.830
20/03/2020 00:00:00	♁	05°54'12" ♉	-02°22'42"	-05°08'33"	00°06'43"	0.003
20/03/2020 00:00:00	T♁	04°31'40" ♉	23°21'32"	00°00'00"	-00°05'50"	0.003
20/03/2020 00:00:00	T♁	22°00'39" ♋	-07°40'04"	-04°53'56"	02°59'01"	0.003
20/03/2020 00:00:00	X	23°36'45" ♉	-01°37'12"	-11°35'25"	00°00'36"	96.888
20/03/2020 00:00:00	Y	27°05'08" ♉	07°57'55"	-11°50'15"	00°00'28"	85.098
21/03/2020 00:00:00	♁	00°50'06" ♉	00°19'55"	-00°00'00"	00°59'36"	0.996
21/03/2020 00:00:00	♃	23°42'49" ♋	-17°11'53"	-03°48'00"	12°02'34"	0.003
21/03/2020 00:00:00	♆	03°17'33" ♋	-11°01'20"	-00°46'40"	00°50'40"	0.861
21/03/2020 00:00:00	♀	16°47'59" ♉	19°29'10"	02°44'50"	01°00'51"	0.739
21/03/2020 00:00:00	♂	23°10'29" ♍	-22°11'42"	-00°45'32"	00°41'40"	1.549
21/03/2020 00:00:00	♃	22°53'32" ♍	-21°32'10"	-00°02'33"	00°08'55"	5.490

Ephemerides year 2020

21/03/2020 00:00:00	♃	29°54'42" ♀	-20°12'43"	-00°02'46"	00°04'34"	10.472
21/03/2020 00:00:00	♃	04°35'28" ♂	12°37'15"	-00°27'20"	00°02'59"	20.629
21/03/2020 00:00:00	♃	18°51'59" ♀	-05°20'30"	-01°01'06"	00°02'14"	30.905
21/03/2020 00:00:00	♃	24°40'55" ♀	-21°57'29"	-00°47'05"	00°01'01"	34.393
21/03/2020 00:00:00	♃	04°24'18" ♀	23°21'47"	00°00'00"	-00°08'53"	0.003
21/03/2020 00:00:00	♃	05°05'30" ♀	04°30'49"	02°42'48"	00°03'31"	19.831
21/03/2020 00:00:00	♃	06°00'56" ♀	-02°20'01"	-05°08'32"	00°06'43"	0.003
21/03/2020 00:00:00	♃	04°24'18" ♀	23°21'47"	00°00'00"	-00°08'53"	0.003
21/03/2020 00:00:00	♃	25°09'58" ♀	-06°27'18"	-04°56'30"	03°17'04"	0.003
21/03/2020 00:00:00	X	23°37'22" ♀	-01°36'55"	-11°35'20"	00°00'36"	96.894
21/03/2020 00:00:00	Y	27°05'37" ♂	07°58'09"	-11°50'07"	00°00'28"	85.112
22/03/2020 00:00:00	♃	01°49'42" ♀	00°43'37"	-00°00'00"	00°59'34"	0.996
22/03/2020 00:00:00	♃	05°42'35" ♀	-13°29'49"	-04°23'32"	11°57'20"	0.003
22/03/2020 00:00:00	♃	04°09'50" ♀	-10°51'38"	-00°56'37"	00°53'50"	0.875
22/03/2020 00:00:00	♃	17°48'38" ♂	19°51'08"	02°49'39"	01°00'27"	0.731
22/03/2020 00:00:00	♃	23°52'09" ♀	-22°05'40"	-00°46'39"	00°41'41"	1.541
22/03/2020 00:00:00	♃	23°02'24" ♀	-21°30'48"	-00°02'40"	00°08'47"	5.475
22/03/2020 00:00:00	♃	29°59'15" ♀	-20°11'50"	-00°02'51"	00°04'30"	10.457
22/03/2020 00:00:00	♃	04°38'29" ♂	12°38'16"	-00°27'18"	00°03'01"	20.639

Ephemerides year 2020

22/03/2020 00:00:00	♁	18°54'13" ♀	-05°19'38"	-01°01'07"	00°02'13"	30.902
22/03/2020 00:00:00	♁	24°41'55" ♀	-21°57'25"	-00°47'11"	00°00'59"	34.378
22/03/2020 00:00:00	♁	04°13'58" ♀	23°22'08"	00°00'00"	-00°11'42"	0.003
22/03/2020 00:00:00	♁	05°09'02" ♀	04°32'09"	02°42'44"	00°03'31"	19.833
22/03/2020 00:00:00	♁	06°07'39" ♀	-02°17'20"	-05°08'30"	00°06'43"	0.003
22/03/2020 00:00:00	♁	04°13'58" ♀	23°22'08"	00°00'00"	-00°11'42"	0.003
22/03/2020 00:00:00	♁	28°30'17" ♀	-05°09'16"	-04°58'16"	03°21'40"	0.003
22/03/2020 00:00:00	X	23°37'58" ♀	-01°36'37"	-11°35'15"	00°00'36"	96.901
22/03/2020 00:00:00	Y	27°06'06" ♀	07°58'22"	-11°50'00"	00°00'29"	85.125
23/03/2020 00:00:00	♁	02°49'15" ♀	01°07'17"	-00°00'00"	00°59'32"	0.997
23/03/2020 00:00:00	♁	17°38'09" ♀	-09°17'24"	-04°47'12"	11°54'04"	0.003
23/03/2020 00:00:00	♁	05°05'10" ♀	-10°40'11"	-01°06'04"	00°56'49"	0.890
23/03/2020 00:00:00	♁	18°48'54" ♀	20°12'39"	02°54'25"	01°00'03"	0.724
23/03/2020 00:00:00	♁	24°33'51" ♀	-21°59'26"	-00°47'47"	00°41'41"	1.533
23/03/2020 00:00:00	♁	23°11'08" ♀	-21°29'27"	-00°02'47"	00°08'40"	5.460
23/03/2020 00:00:00	♁	00°03'43" ♀	-20°10'58"	-00°02'56"	00°04'25"	10.443
23/03/2020 00:00:00	♁	04°41'31" ♀	12°39'19"	-00°27'17"	00°03'02"	20.648
23/03/2020 00:00:00	♁	18°56'27" ♀	-05°18'47"	-01°01'08"	00°02'13"	30.898
23/03/2020 00:00:00	♁	24°42'54" ♀	-21°57'21"	-00°47'18"	00°00'58"	34.363

Ephemerides year 2020

23/03/2020 00:00:00	♏	04°01'08" ♉	23°22'32"	00°00'00"	-00°13'48"	0.003
23/03/2020 00:00:00	♋	05°12'34" ♏	04°33'29"	02°42'40"	00°03'31"	19.834
23/03/2020 00:00:00	♌	06°14'22" ♏	-02°14'39"	-05°08'28"	00°06'43"	0.003
23/03/2020 00:00:00	♏	04°01'08" ♉	23°22'32"	00°00'00"	-00°13'48"	0.003
23/03/2020 00:00:00	♌	01°50'30" ♏	-03°50'27"	-04°59'05"	03°17'53"	0.003
23/03/2020 00:00:00	X	23°38'35" ♏	-01°36'20"	-11°35'11"	00°00'36"	96.907
23/03/2020 00:00:00	Y	27°06'36" ♉	07°58'36"	-11°49'53"	00°00'30"	85.138
24/03/2020 00:00:00	♉	03°48'47" ♏	01°30'56"	-00°00'00"	00°59'30"	0.997
24/03/2020 00:00:00	♊	29°31'15" ♉	-04°45'01"	-04°58'15"	11°52'20"	0.003
24/03/2020 00:00:00	♎	06°03'25" ♉	-10°27'04"	-01°15'02"	00°59'37"	0.905
24/03/2020 00:00:00	♍	19°48'45" ♉	20°33'45"	02°59'10"	00°59'38"	0.716
24/03/2020 00:00:00	♈	25°15'32" ♉	-21°53'02"	-00°48'55"	00°41'41"	1.525
24/03/2020 00:00:00	♉	23°19'44" ♉	-21°28'07"	-00°02'54"	00°08'32"	5.445
24/03/2020 00:00:00	♈	00°08'06" ♉	-20°10'06"	-00°03'00"	00°04'21"	10.428
24/03/2020 00:00:00	♈	04°44'34" ♉	12°40'21"	-00°27'16"	00°03'04"	20.657
24/03/2020 00:00:00	♎	18°58'40" ♉	-05°17'55"	-01°01'09"	00°02'13"	30.894
24/03/2020 00:00:00	♌	24°43'51" ♉	-21°57'17"	-00°47'25"	00°00'56"	34.348
24/03/2020 00:00:00	♏	03°46'42" ♉	23°22'57"	00°00'00"	-00°14'51"	0.003
24/03/2020 00:00:00	♋	05°16'05" ♏	04°34'50"	02°42'36"	00°03'31"	19.835

Ephemerides year 2020

24/03/2020 00:00:00	☾	06°21'06" ♀	-02°11'58"	-05°08'25"	00°06'43"	0.003
24/03/2020 00:00:00	♄	03°46'42" ♀	23°22'57"	00°00'00"	-00°14'51"	0.003
24/03/2020 00:00:00	♄	05°05'25" ♀	-02°33'10"	-04°59'00"	03°12'04"	0.003
24/03/2020 00:00:00	X	23°39'12" ♀	-01°36'02"	-11°35'06"	00°00'37"	96.913
24/03/2020 00:00:00	Y	27°07'06" ♂	07°58'49"	-11°49'46"	00°00'30"	85.151
25/03/2020 00:00:00	☉	04°48'16" ♀	01°54'32"	-00°00'00"	00°59'28"	0.997
25/03/2020 00:00:00	☾	11°23'15" ♀	-00°02'34"	-04°56'19"	11°51'53"	0.003
25/03/2020 00:00:00	♁	07°04'23" ♂	-10°12'19"	-01°23'30"	01°02'17"	0.919
25/03/2020 00:00:00	♀	20°48'10" ♂	20°54'23"	03°03'52"	00°59'12"	0.708
25/03/2020 00:00:00	♂	25°57'14" ♂	-21°46'26"	-00°50'04"	00°41'41"	1.517
25/03/2020 00:00:00	♃	23°28'13" ♂	-21°26'48"	-00°03'01"	00°08'24"	5.429
25/03/2020 00:00:00	♅	00°12'26" ♀	-20°09'16"	-00°03'05"	00°04'16"	10.413
25/03/2020 00:00:00	♁	04°47'39" ♂	12°41'24"	-00°27'15"	00°03'05"	20.666
25/03/2020 00:00:00	♃	19°00'53" ♂	-05°17'04"	-01°01'10"	00°02'12"	30.890
25/03/2020 00:00:00	♃	24°44'47" ♂	-21°57'14"	-00°47'32"	00°00'54"	34.333
25/03/2020 00:00:00	♄	03°31'49" ♀	23°23'22"	00°00'00"	-00°14'41"	0.003
25/03/2020 00:00:00	♁	05°19'37" ♀	04°36'10"	02°42'32"	00°03'31"	19.836
25/03/2020 00:00:00	☾	06°27'49" ♀	-02°09'17"	-05°08'23"	00°06'43"	0.003
25/03/2020 00:00:00	♄	03°31'49" ♀	23°23'22"	00°00'00"	-00°14'41"	0.003

Ephemerides year 2020

25/03/2020 00:00:00	T♄	08°15'36" ♀	-01°17'28"	-04°58'06"	03°08'57"	0.003
25/03/2020 00:00:00	X	23°39'49" ♀	-01°35'45"	-11°35'01"	00°00'37"	96.919
25/03/2020 00:00:00	Y	27°07'37" ♂	07°59'02"	-11°49'39"	00°00'31"	85.164
26/03/2020 00:00:00	☉	05°47'44" ♀	02°18'06"	-00°00'00"	00°59'26"	0.998
26/03/2020 00:00:00	☾	23°15'28" ♀	04°40'24"	-04°41'30"	11°52'46"	0.003
26/03/2020 00:00:00	♀	08°07'56" ♀	-09°55'59"	-01°31'28"	01°04'48"	0.934
26/03/2020 00:00:00	♁	21°47'09" ♂	21°14'34"	03°08'31"	00°58'45"	0.700
26/03/2020 00:00:00	♂	26°38'55" ♂	-21°39'39"	-00°51'13"	00°41'41"	1.509
26/03/2020 00:00:00	♂	23°36'33" ♂	-21°25'29"	-00°03'08"	00°08'16"	5.414
26/03/2020 00:00:00	♃	00°16'40" ♁	-20°08'26"	-00°03'10"	00°04'12"	10.397
26/03/2020 00:00:00	♃	04°50'45" ♂	12°42'27"	-00°27'14"	00°03'06"	20.674
26/03/2020 00:00:00	♃	19°03'06" ♀	-05°16'13"	-01°01'11"	00°02'12"	30.885
26/03/2020 00:00:00	♂	24°45'41" ♂	-21°57'11"	-00°47'38"	00°00'53"	34.317
26/03/2020 00:00:00	♁	03°17'42" ♁	23°23'44"	00°00'00"	-00°13'20"	0.003
26/03/2020 00:00:00	♃	05°23'09" ♀	04°37'31"	02°42'28"	00°03'31"	19.836
26/03/2020 00:00:00	♁	06°34'32" ♀	-02°06'36"	-05°08'20"	00°06'43"	0.003
26/03/2020 00:00:00	T♁	03°17'42" ♁	23°23'44"	00°00'00"	-00°13'20"	0.003
26/03/2020 00:00:00	T♄	11°24'24" ♀	-00°02'14"	-04°56'26"	03°08'54"	0.003
26/03/2020 00:00:00	X	23°40'26" ♀	-01°35'27"	-11°34'57"	00°00'37"	96.924

Ephemerides year 2020

26/03/2020 00:00:00	Y	27°08'08" ♂	07°59'16"	-11°49'32"	00°00'31"	85.177
27/03/2020 00:00:00	☉	06°47'09" ♀	02°41'37"	-00°00'00"	00°59'24"	0.998
27/03/2020 00:00:00	☾	05°09'20" ♂	09°14'22"	-04°14'21"	11°55'18"	0.003
27/03/2020 00:00:00	♀	09°13'57" ♀	-09°38'05"	-01°38'55"	01°07'11"	0.948
27/03/2020 00:00:00	♀	22°45'40" ♂	21°34'18"	03°13'08"	00°58'17"	0.693
27/03/2020 00:00:00	♂	27°20'37" ♀	-21°32'42"	-00°52'22"	00°41'41"	1.501
27/03/2020 00:00:00	♃	23°44'46" ♀	-21°24'12"	-00°03'15"	00°08'08"	5.399
27/03/2020 00:00:00	♄	00°20'50" ♁	-20°07'38"	-00°03'15"	00°04'07"	10.382
27/03/2020 00:00:00	♅	04°53'52" ♂	12°43'31"	-00°27'13"	00°03'08"	20.683
27/03/2020 00:00:00	♆	19°05'17" ♀	-05°15'22"	-01°01'12"	00°02'11"	30.880
27/03/2020 00:00:00	♇	24°46'34" ♀	-21°57'08"	-00°47'45"	00°00'51"	34.302
27/03/2020 00:00:00	♈	03°05'27" ♁	23°24'01"	00°00'00"	-00°11'01"	0.003
27/03/2020 00:00:00	♉	05°26'41" ♀	04°38'51"	02°42'25"	00°03'31"	19.837
27/03/2020 00:00:00	♊	06°41'16" ♀	-02°03'55"	-05°08'18"	00°06'43"	0.003
27/03/2020 00:00:00	T♈	03°05'27" ♁	23°24'01"	00°00'00"	-00°11'01"	0.003
27/03/2020 00:00:00	T♉	14°33'07" ♀	01°12'53"	-04°53'59"	03°07'52"	0.003
27/03/2020 00:00:00	X	23°41'04" ♀	-01°35'10"	-11°34'53"	00°00'37"	96.929
27/03/2020 00:00:00	Y	27°08'40" ♂	07°59'29"	-11°49'25"	00°00'32"	85.189
28/03/2020 00:00:00	☉	07°46'32" ♀	03°05'04"	-00°00'00"	00°59'22"	0.998



Ephemerides year 2020

28/03/2020 00:00:00	♃	17°06'48" ♀	13°29'25"	-03°35'49"	12°00'02"	0.003
28/03/2020 00:00:00	♆	10°22'17" ♂	-09°18'41"	-01°45'53"	01°09'28"	0.963
28/03/2020 00:00:00	♀	23°43'43" ♀	21°53'34"	03°17'42"	00°57'48"	0.685
28/03/2020 00:00:00	♂	28°02'19" ♂	-21°25'33"	-00°53'32"	00°41'42"	1.493
28/03/2020 00:00:00	♃	23°52'51" ♂	-21°22'55"	-00°03'22"	00°08'00"	5.383
28/03/2020 00:00:00	♄	00°24'55" ♁	-20°06'50"	-00°03'20"	00°04'02"	10.367
28/03/2020 00:00:00	♅	04°57'01" ♀	12°44'35"	-00°27'12"	00°03'09"	20.691
28/03/2020 00:00:00	♆	19°07'29" ♂	-05°14'32"	-01°01'13"	00°02'11"	30.875
28/03/2020 00:00:00	♁	24°47'25" ♂	-21°57'06"	-00°47'52"	00°00'50"	34.286
28/03/2020 00:00:00	♁	02°55'50" ♁	23°24'15"	00°00'00"	-00°08'07"	0.003
28/03/2020 00:00:00	♂	05°30'13" ♂	04°40'12"	02°42'21"	00°03'31"	19.836
28/03/2020 00:00:00	♁	06°47'59" ♂	-02°01'13"	-05°08'15"	00°06'43"	0.003
28/03/2020 00:00:00	♁	02°55'50" ♁	23°24'15"	00°00'00"	-00°08'07"	0.003
28/03/2020 00:00:00	♁	17°37'50" ♂	02°26'12"	-04°50'48"	02°59'56"	0.003
28/03/2020 00:00:00	X	23°41'42" ♂	-01°34'52"	-11°34'49"	00°00'37"	96.934
28/03/2020 00:00:00	Y	27°09'13" ♀	07°59'43"	-11°49'18"	00°00'32"	85.201
29/03/2020 00:00:00	♁	08°45'53" ♂	03°28'28"	-00°00'00"	00°59'19"	0.998
29/03/2020 00:00:00	♃	29°10'23" ♀	17°14'56"	-02°47'13"	12°07'39"	0.003
29/03/2020 00:00:00	♆	11°32'52" ♂	-08°57'48"	-01°52'22"	01°11'39"	0.977

Ephemerides year 2020

29/03/2020 00:00:00	♀	24°41'17" ♂	22°12'22"	03°22'13"	00°57'18"	0.677
29/03/2020 00:00:00	♂	28°44'01" ♀	-21°18'14"	-00°54'42"	00°41'42"	1.485
29/03/2020 00:00:00	♃	24°00'48" ♀	-21°21'39"	-00°03'29"	00°07'52"	5.368
29/03/2020 00:00:00	♅	00°28'55" ♁	-20°06'03"	-00°03'25"	00°03'58"	10.351
29/03/2020 00:00:00	♁	05°00'11" ♂	12°45'39"	-00°27'11"	00°03'10"	20.698
29/03/2020 00:00:00	♃	19°09'39" ♃	-05°13'42"	-01°01'14"	00°02'10"	30.870
29/03/2020 00:00:00	♁	24°48'14" ♀	-21°57'04"	-00°47'59"	00°00'48"	34.270
29/03/2020 00:00:00	♁	02°49'14" ♁	23°24'23"	00°00'00"	-00°05'05"	0.003
29/03/2020 00:00:00	♃	05°33'45" ♃	04°41'33"	02°42'18"	00°03'31"	19.836
29/03/2020 00:00:00	♃	06°54'42" ♃	-01°58'32"	-05°08'12"	00°06'43"	0.003
29/03/2020 00:00:00	T♁	02°49'14" ♁	23°24'23"	00°00'00"	-00°05'05"	0.003
29/03/2020 00:00:00	T♃	20°29'01" ♃	03°33'48"	-04°47'08"	02°40'06"	0.003
29/03/2020 00:00:00	X	23°42'20" ♃	-01°34'35"	-11°34'44"	00°00'38"	96.938
29/03/2020 00:00:00	Y	27°09'46" ♂	07°59'56"	-11°49'12"	00°00'33"	85.213
30/03/2020 00:00:00	♁	09°45'12" ♃	03°51'48"	00°00'00"	00°59'17"	0.999
30/03/2020 00:00:00	♃	11°23'19" ♃	20°19'24"	-01°50'15"	12°18'51"	0.003
30/03/2020 00:00:00	♃	12°45'34" ♃	-08°35'29"	-01°58'20"	01°13'44"	0.991
30/03/2020 00:00:00	♀	25°38'21" ♂	22°30'40"	03°26'41"	00°56'47"	0.670
30/03/2020 00:00:00	♂	29°25'44" ♀	-21°10'44"	-00°55'53"	00°41'42"	1.477

Ephemerides year 2020

30/03/2020 00:00:00	♃	24°08'36" ♂	-21°20'25"	-00°03'36"	00°07'44"	5.352
30/03/2020 00:00:00	♅	00°32'51" ♁	-20°05'17"	-00°03'30"	00°03'53"	10.336
30/03/2020 00:00:00	♆	05°03'22" ♂	12°46'44"	-00°27'10"	00°03'11"	20.706
30/03/2020 00:00:00	♄	19°11'49" ♀	-05°12'52"	-01°01'15"	00°02'09"	30.864
30/03/2020 00:00:00	♁	24°49'01" ♂	-21°57'02"	-00°48'06"	00°00'46"	34.255
30/03/2020 00:00:00	♄	02°45'31" ♀	23°24'28"	00°00'00"	-00°02'26"	0.003
30/03/2020 00:00:00	♅	05°37'16" ♁	04°42'54"	02°42'15"	00°03'31"	19.835
30/03/2020 00:00:00	♁	07°01'26" ♁	-01°55'50"	-05°08'09"	00°06'43"	0.003
30/03/2020 00:00:00	T♄	02°45'31" ♀	23°24'28"	00°00'00"	-00°02'26"	0.003
30/03/2020 00:00:00	T♅	22°53'03" ♁	04°30'19"	-04°43'32"	02°05'22"	0.003
30/03/2020 00:00:00	X	23°42'58" ♁	-01°34'18"	-11°34'41"	00°00'38"	96.943
30/03/2020 00:00:00	Y	27°10'20" ♂	08°00'10"	-11°49'05"	00°00'34"	85.225
31/03/2020 00:00:00	♁	10°44'28" ♁	04°15'04"	00°00'00"	00°59'15"	0.999
31/03/2020 00:00:00	♃	23°49'29" ♀	22°30'39"	-00°46'56"	12°34'12"	0.003
31/03/2020 00:00:00	♄	14°00'18" ♀	-08°11'45"	-02°03'48"	01°15'44"	1.005
31/03/2020 00:00:00	♁	26°34'52" ♂	22°48'30"	03°31'05"	00°56'15"	0.662
31/03/2020 00:00:00	♂	00°07'26" ♁	-21°03'04"	-00°57'04"	00°41'42"	1.469
31/03/2020 00:00:00	♃	24°16'16" ♂	-21°19'11"	-00°03'44"	00°07'35"	5.337
31/03/2020 00:00:00	♅	00°36'42" ♁	-20°04'32"	-00°03'34"	00°03'48"	10.320

Ephemerides year 2020

31/03/2020 00:00:00	♃	05°06'35" ♂	12°47'49"	-00°27'09"	00°03'12"	20.713
31/03/2020 00:00:00	♃	19°13'59" ♀	-05°12'02"	-01°01'17"	00°02'09"	30.858
31/03/2020 00:00:00	♃	24°49'47" ♀	-21°57'00"	-00°48'13"	00°00'45"	34.239
31/03/2020 00:00:00	♃	02°44'04" ♀	23°24'30"	00°00'00"	-00°00'37"	0.003
31/03/2020 00:00:00	♃	05°40'48" ♀	04°44'15"	02°42'12"	00°03'31"	19.834
31/03/2020 00:00:00	♃	07°08'09" ♀	-01°53'08"	-05°08'05"	00°06'43"	0.003
31/03/2020 00:00:00	♃	02°44'04" ♀	23°24'30"	00°00'00"	-00°00'37"	0.003
31/03/2020 00:00:00	♃	24°34'39" ♀	05°09'55"	-04°40'44"	01°15'22"	0.003
31/03/2020 00:00:00	X	23°43'36" ♀	-01°34'00"	-11°34'37"	00°00'38"	96.947
31/03/2020 00:00:00	Y	27°10'55" ♂	08°00'24"	-11°48'59"	00°00'34"	85.237
01/04/2020 00:00:00	♃	11°43'43" ♀	04°38'15"	00°00'00"	00°59'13"	0.999
01/04/2020 00:00:00	♃	06°33'13" ♀	23°36'39" ♀	00°20'13"	12°54'01"	0.003
01/04/2020 00:00:00	♃	15°17'01" ♀	-07°46'39"	-02°08'47"	01°17'40"	1.019
01/04/2020 00:00:00	♃	27°30'52" ♂	23°05'51"	03°35'25"	00°55'42"	0.654
01/04/2020 00:00:00	♃	00°49'08" ♀	-20°55'13"	-00°58'16"	00°41'42"	1.461
01/04/2020 00:00:00	♃	24°23'48" ♀	-21°17'59"	-00°03'51"	00°07'27"	5.321
01/04/2020 00:00:00	♃	00°40'28" ♀	-20°03'48"	-00°03'39"	00°03'43"	10.304
01/04/2020 00:00:00	♃	05°09'48" ♂	12°48'55"	-00°27'08"	00°03'13"	20.720
01/04/2020 00:00:00	♃	19°16'08" ♀	-05°11'13"	-01°01'18"	00°02'08"	30.852

Ephemerides year 2020

01/04/2020 00:00:00	♁	24°50'32" ♁	-21°56'59"	-00°48'19"	00°00'43"	34.223
01/04/2020 00:00:00	♁	02°43'54" ♁	23°24'30"	00°00'00"	00°00'04"	0.003
01/04/2020 00:00:00	♁	05°44'19" ♁	04°45'37"	02°42'09"	00°03'31"	19.833
01/04/2020 00:00:00	♁	07°14'53" ♁	-01°50'26"	-05°08'02"	00°06'43"	0.003
01/04/2020 00:00:00	♁	02°43'54" ♁	23°24'30"	00°00'00"	00°00'04"	0.003
01/04/2020 00:00:00	♁	25°19'42" ♁	05°27'23"	-04°39'27"	00°13'12"	0.003
01/04/2020 00:00:00	X	23°44'15" ♁	-01°33'43"	-11°34'33"	00°00'38"	96.950
01/04/2020 00:00:00	Y	27°11'30" ♁	08°00'37"	-11°48'52"	00°00'35"	85.249
02/04/2020 00:00:00	♁	12°42'55" ♁	05°01'20"	00°00'00"	00°59'10"	1.000
02/04/2020 00:00:00	♁	19°38'57" ♁	23°27'12" ♁	01°28'15"	13°18'05"	0.003
02/04/2020 00:00:00	♁	16°35'37" ♁	-07°20'12"	-02°13'15"	01°19'32"	1.033
02/04/2020 00:00:00	♁	28°26'17" ♁	23°22'41"	03°39'41"	00°55'07"	0.646
02/04/2020 00:00:00	♁	01°30'50" ♁	-20°47'13"	-00°59'28"	00°41'42"	1.453
02/04/2020 00:00:00	♁	24°31'11" ♁	-21°16'48"	-00°03'58"	00°07'18"	5.305
02/04/2020 00:00:00	♁	00°44'09" ♁	-20°03'05"	-00°03'44"	00°03'38"	10.288
02/04/2020 00:00:00	♁	05°13'03" ♁	12°50'01"	-00°27'07"	00°03'14"	20.727
02/04/2020 00:00:00	♁	19°18'16" ♁	-05°10'24"	-01°01'19"	00°02'07"	30.846
02/04/2020 00:00:00	♁	24°51'14" ♁	-21°56'58"	-00°48'26"	00°00'41"	34.207
02/04/2020 00:00:00	♁	02°43'49" ♁	23°24'30"	00°00'00"	-00°00'27"	0.003

Ephemerides year 2020

02/04/2020 00:00:00	♄	05°47'50" ♀	04°46'58"	02°42'06"	00°03'30"	19.832
02/04/2020 00:00:00	♁	07°21'36" ♀	-01°47'45"	-05°07'58"	00°06'43"	0.003
02/04/2020 00:00:00	♁♂	02°43'49" ♂	23°24'30"	00°00'00"	-00°00'27"	0.003
02/04/2020 00:00:00	♁♄	24°59'40" ♀	05°19'34"	-04°40'06"	-00°52'55"	0.003
02/04/2020 00:00:00	X	23°44'54" ♀	-01°33'26"	-11°34'29"	00°00'38"	96.954
02/04/2020 00:00:00	Y	27°12'05" ♂	08°00'51"	-11°48'46"	00°00'35"	85.260
03/04/2020 00:00:00	♁	13°42'04" ♀	05°24'21"	00°00'00"	00°59'08"	1.000
03/04/2020 00:00:00	♃	03°10'32" ♂	21°56'03"	02°33'34"	13°45'30"	0.003
03/04/2020 00:00:00	♁	17°56'04" ♀	-06°52'27"	-02°17'14"	01°21'20"	1.047
03/04/2020 00:00:00	♁	29°21'07" ♂	23°39'02"	♁ 03°43'52"	00°54'32"	0.639
03/04/2020 00:00:00	♁	02°12'32" ♂	-20°39'02"	-01°00'40"	00°41'42"	1.445
03/04/2020 00:00:00	♁	24°38'26" ♂	-21°15'38"	-00°04'06"	00°07'10"	5.290
03/04/2020 00:00:00	♁	00°47'45" ♂	-20°02'23"	-00°03'49"	00°03'33"	10.272
03/04/2020 00:00:00	♁	05°16'18" ♂	12°51'07"	-00°27'06"	00°03'15"	20.733
03/04/2020 00:00:00	♁	19°20'23" ♀	-05°09'35"	-01°01'20"	00°02'07"	30.839
03/04/2020 00:00:00	♁	24°51'55" ♂	-21°56'58"	-00°48'33"	00°00'39"	34.191
03/04/2020 00:00:00	♁♂	02°42'37" ♂	23°24'31"	00°00'00"	-00°02'06"	0.003
03/04/2020 00:00:00	♄	05°51'21" ♀	04°48'19"	02°42'03"	00°03'30"	19.830
03/04/2020 00:00:00	♁	07°28'20" ♀	-01°45'03"	-05°07'54"	00°06'43"	0.003

Ephemerides year 2020

03/04/2020 00:00:00	T♄	02°42'37" ♉	23°24'31"	00°00'00"	-00°02'06"	0.003
03/04/2020 00:00:00	T♄	23°37'02" ♉	04°47'20"	-04°42'30"	-01°49'29"	0.003
03/04/2020 00:00:00	X	23°45'33" ♉	-01°33'09"	-11°34'26"	00°00'38"	96.957
03/04/2020 00:00:00	Y	27°12'41" ♉	08°01'04"	-11°48'40"	00°00'36"	85.271
04/04/2020 00:00:00	☉	14°41'11" ♉	05°47'15"	00°00'00"	00°59'05"	1.000
04/04/2020 00:00:00	☾	17°10'28" ♉	19°03'00"	03°31'59"	14°14'22"	0.002
04/04/2020 00:00:00	♃	19°18'18" ♉	-06°23'24"	-02°20'43"	01°23'06"	1.060
04/04/2020 00:00:00	♀	00°15'21" ♉	23°54'53" ♉	03°47'59"	00°53'54"	0.631
04/04/2020 00:00:00	♂	02°54'14" ♉	-20°30'41"	-01°01'53"	00°41'42"	1.437
04/04/2020 00:00:00	♂	24°45'32" ♉	-21°14'29"	-00°04'13"	00°07'01"	5.274
04/04/2020 00:00:00	♃	00°51'16" ♉	-20°01'42"	-00°03'54"	00°03'28"	10.256
04/04/2020 00:00:00	♃	05°19'34" ♉	12°52'13"	-00°27'05"	00°03'16"	20.740
04/04/2020 00:00:00	♃	19°22'30" ♉	-05°08'46"	-01°01'22"	00°02'06"	30.832
04/04/2020 00:00:00	♂	24°52'34" ♉	-21°56'57"	-00°48'40"	00°00'38"	34.175
04/04/2020 00:00:00	♄	02°39'21" ♉	23°24'35"	00°00'00"	-00°04'30"	0.003
04/04/2020 00:00:00	♃	05°54'51" ♉	04°49'40"	02°42'01"	00°03'29"	19.828
04/04/2020 00:00:00	♃	07°35'03" ♉	-01°42'20"	-05°07'51"	00°06'43"	0.003
04/04/2020 00:00:00	T♄	02°39'21" ♉	23°24'35"	00°00'00"	-00°04'30"	0.003
04/04/2020 00:00:00	T♄	21°28'39" ♉	03°57'05"	-04°45'53"	-02°22'27"	0.003

Ephemerides year 2020

04/04/2020 00:00:00	X	23°46'12" ♄	-01°32'52"	-11°34'23"	00°00'38"	96.960
04/04/2020 00:00:00	Y	27°13'17" ♃	08°01'18"	-11°48'34"	00°00'36"	85.282
05/04/2020 00:00:00	☉	15°40'16" ♄	06°10'03"	00°00'00"	00°59'03"	1.000
05/04/2020 00:00:00	☾	01°38'49" ♋	14°54'53"	04°18'54"	14°41'48"	0.002
05/04/2020 00:00:00	♀	20°42'17" ♃	-05°53'05"	-02°23'42"	01°24'50"	1.074
05/04/2020 00:00:00	♀	01°08'57" ♀	24°10'13" ♁	03°52'01"	00°53'16"	0.623
05/04/2020 00:00:00	♂	03°35'57" ♁	-20°22'10"	-01°03'06"	00°41'42"	1.429
05/04/2020 00:00:00	♃	24°52'29" ♃	-21°13'22"	-00°04'20"	00°06'52"	5.258
05/04/2020 00:00:00	♃	00°54'42" ♁	-20°01'02"	-00°03'59"	00°03'23"	10.240
05/04/2020 00:00:00	♃	05°22'52" ♃	12°53'19"	-00°27'04"	00°03'17"	20.746
05/04/2020 00:00:00	♃	19°24'36" ♃	-05°07'58"	-01°01'23"	00°02'05"	30.825
05/04/2020 00:00:00	♃	24°53'11" ♃	-21°56'57"	-00°48'47"	00°00'36"	34.159
05/04/2020 00:00:00	♁	02°33'31" ♃	23°24'42"	00°00'00"	-00°07'07"	0.003
05/04/2020 00:00:00	♃	05°58'20" ♄	04°51'01"	02°41'58"	00°03'29"	19.826
05/04/2020 00:00:00	♃	07°41'46" ♄	-01°39'38"	-05°07'46"	00°06'43"	0.003
05/04/2020 00:00:00	T♁	02°33'31" ♃	23°24'42"	00°00'00"	-00°07'07"	0.003
05/04/2020 00:00:00	T♃	19°01'54" ♄	02°59'18"	-04°49'14"	-02°26'33"	0.003
05/04/2020 00:00:00	X	23°46'50" ♄	-01°32'35"	-11°34'19"	00°00'38"	96.963
05/04/2020 00:00:00	Y	27°13'54" ♃	08°01'32"	-11°48'28"	00°00'37"	85.293



Ephemerides year 2020

06/04/2020 00:00:00	♁	16°39'19" ♈	06°32'45"	00°00'00"	00°59'01"	1.001
06/04/2020 00:00:00	♃	16°32'24" ♉	09°45'32"	04°49'48"	15°04'11"	0.002
06/04/2020 00:00:00	♆	22°07'58" ♋	-05°21'32"	-02°26'11"	01°26'31"	1.087
06/04/2020 00:00:00	♀	02°01'53" ♌	24°25'02" ♁	03°55'57"	00°52'36"	0.615
06/04/2020 00:00:00	♂	04°17'39" ♍	-20°13'29"	-01°04'20"	00°41'42"	1.421
06/04/2020 00:00:00	♁	24°59'17" ♎	-21°12'16"	-00°04'28"	00°06'43"	5.242
06/04/2020 00:00:00	♄	00°58'03" ♏	-20°00'24"	-00°04'04"	00°03'18"	10.224
06/04/2020 00:00:00	♃	05°26'10" ♐	12°54'26"	-00°27'03"	00°03'18"	20.751
06/04/2020 00:00:00	♆	19°26'41" ♑	-05°07'11"	-01°01'25"	00°02'04"	30.818
06/04/2020 00:00:00	♁	24°53'47" ♒	-21°56'58"	-00°48'54"	00°00'34"	34.142
06/04/2020 00:00:00	♁	02°25'15" ♓	23°24'52"	00°00'00"	-00°09'18"	0.003
06/04/2020 00:00:00	♆	06°01'50" ♈	04°52'22"	02°41'56"	00°03'28"	19.823
06/04/2020 00:00:00	♁	07°48'30" ♈	-01°36'56"	-05°07'42"	00°06'43"	0.003
06/04/2020 00:00:00	♁	02°25'15" ♓	23°24'52"	00°00'00"	-00°09'18"	0.003
06/04/2020 00:00:00	♁	16°42'19" ♈	02°04'04"	-04°51'58"	-02°10'37"	0.003
06/04/2020 00:00:00	X	23°47'30" ♈	-01°32'18"	-11°34'16"	00°00'39"	96.965
06/04/2020 00:00:00	Y	27°14'32" ♈	08°01'45"	-11°48'22"	00°00'37"	85.303
07/04/2020 00:00:00	♁	17°38'19" ♈	06°55'20"	00°00'00"	00°58'59"	1.001
07/04/2020 00:00:00	♃	01°44'18" ♉	03°54'46"	05°01'06"	15°17'56"	0.002

Ephemerides year 2020

07/04/2020 00:00:00	♀	23°35'19" ♈	-04°48'47"	-02°28'11"	01°28'10"	1.101
07/04/2020 00:00:00	♀	02°54'09" ♀	24°39'21" ♁	03°59'48"	00°51'55"	0.608
07/04/2020 00:00:00	♂	04°59'21" ♁	-20°04'39"	-01°05'34"	00°41'42"	1.413
07/04/2020 00:00:00	♃	25°05'56" ♁	-21°11'11"	-00°04'35"	00°06'34"	5.226
07/04/2020 00:00:00	♃	01°01'18" ♁	-19°59'46"	-00°04'09"	00°03'13"	10.208
07/04/2020 00:00:00	♃	05°29'28" ♁	12°55'33"	-00°27'02"	00°03'19"	20.757
07/04/2020 00:00:00	♃	19°28'45" ♈	-05°06'23"	-01°01'26"	00°02'03"	30.810
07/04/2020 00:00:00	♃	24°54'21" ♁	-21°56'59"	-00°49'01"	00°00'32"	34.126
07/04/2020 00:00:00	♁	02°15'14" ♁	23°25'02"	00°00'00"	-00°10'31"	0.003
07/04/2020 00:00:00	♁	06°05'18" ♁	04°53'42"	02°41'54"	00°03'28"	19.820
07/04/2020 00:00:00	♁	07°55'13" ♁	-01°34'14"	-05°07'38"	00°06'43"	0.003
07/04/2020 00:00:00	T♁	02°15'14" ♁	23°25'02"	00°00'00"	-00°10'31"	0.003
07/04/2020 00:00:00	T♁	14°41'30" ♁	01°16'00"	-04°54'05"	-01°52'00"	0.003
07/04/2020 00:00:00	X	23°48'09" ♁	-01°32'02"	-11°34'13"	00°00'39"	96.967
07/04/2020 00:00:00	Y	27°15'09" ♁	08°01'59"	-11°48'17"	00°00'37"	85.313
08/04/2020 00:00:00	♁	18°37'17" ♁	07°17'47"	00°00'00"	00°58'57"	1.001
08/04/2020 00:00:00	♁	17°04'31" ♁	-02°13'22"	04°51'01"	15°20'31"	0.002
08/04/2020 00:00:00	♀	25°04'19" ♈	-04°14'51"	-02°29'40"	01°29'49"	1.114
08/04/2020 00:00:00	♀	03°45'43" ♀	24°53'08" ♁	04°03'33"	00°51'12"	0.600

Ephemerides year 2020

08/04/2020 00:00:00	♂	05°41'03" ♊	-19°55'38"	-01°06'49"	00°41'42"	1.405
08/04/2020 00:00:00	♃	25°12'26" ♏	-21°10'08"	-00°04'43"	00°06'25"	5.210
08/04/2020 00:00:00	♅	01°04'29" ♊	-19°59'09"	-00°04'14"	00°03'07"	10.192
08/04/2020 00:00:00	♁	05°32'48" ♉	12°56'40"	-00°27'02"	00°03'19"	20.762
08/04/2020 00:00:00	♆	19°30'48" ♈	-05°05'36"	-01°01'27"	00°02'02"	30.802
08/04/2020 00:00:00	♁	24°54'53" ♏	-21°57'00"	-00°49'08"	00°00'31"	34.110
08/04/2020 00:00:00	♁	02°04'38" ♉	23°25'13"	00°00'00"	-00°10'27"	0.003
08/04/2020 00:00:00	♃	06°08'46" ♏	04°55'03"	02°41'52"	00°03'27"	19.817
08/04/2020 00:00:00	♁	08°01'56" ♏	-01°31'31"	-05°07'33"	00°06'43"	0.003
08/04/2020 00:00:00	♁	02°04'38" ♉	23°25'13"	00°00'00"	-00°10'27"	0.003
08/04/2020 00:00:00	♁	12°54'07" ♏	00°33'00"	-04°55'54"	-01°45'38"	0.003
08/04/2020 00:00:00	X	23°48'48" ♏	-01°31'45"	-11°34'11"	00°00'39"	96.969
08/04/2020 00:00:00	Y	27°15'48" ♉	08°02'13"	-11°48'11"	00°00'38"	85.323
09/04/2020 00:00:00	♁	19°36'13" ♏	07°40'08"	00°00'00"	00°58'55"	1.002
09/04/2020 00:00:00	♃	02°21'25" ♎	-08°12'52"	04°20'11"	15°11'23"	0.002
09/04/2020 00:00:00	♆	26°34'57" ♈	-03°39'45"	-02°30'39"	01°31'26"	1.126
09/04/2020 00:00:00	♀	04°36'34" ♀	25°06'24" ○	04°07'12"	00°50'28"	0.592
09/04/2020 00:00:00	♂	06°22'45" ♊	-19°46'29"	-01°08'04"	00°41'42"	1.397
09/04/2020 00:00:00	♃	25°18'47" ♏	-21°09'06"	-00°04'51"	00°06'16"	5.194

Ephemerides year 2020

09/04/2020 00:00:00	♃	01°07'34" ♊	-19°58'34"	-00°04'19"	00°03'02"	10.175
09/04/2020 00:00:00	♃	05°36'08" ♊	12°57'47"	-00°27'01"	00°03'20"	20.767
09/04/2020 00:00:00	♃	19°32'50" ♋	-05°04'50"	-01°01'29"	00°02'01"	30.794
09/04/2020 00:00:00	♃	24°55'23" ♋	-21°57'01"	-00°49'15"	00°00'29"	34.094
09/04/2020 00:00:00	♃	01°54'44" ♋	23°25'22"	00°00'00"	-00°09'08"	0.003
09/04/2020 00:00:00	♃	06°12'14" ♋	04°56'23"	02°41'50"	00°03'27"	19.814
09/04/2020 00:00:00	♃	08°08'40" ♋	-01°28'49"	-05°07'29"	00°06'43"	0.003
09/04/2020 00:00:00	♃	01°54'44" ♋	23°25'22"	00°00'00"	-00°09'08"	0.003
09/04/2020 00:00:00	♃	11°04'15" ♋	-00°11'17"	-04°57'46"	-01°56'50"	0.003
09/04/2020 00:00:00	X	23°49'27" ♋	-01°31'29"	-11°34'08"	00°00'39"	96.970
09/04/2020 00:00:00	Y	27°16'26" ♋	08°02'26"	-11°48'05"	00°00'38"	85.333
10/04/2020 00:00:00	♃	20°35'07" ♋	08°02'20"	00°00'00"	00°58'53"	1.002
10/04/2020 00:00:00	♃	17°23'55" ♋	-13°38'13"	03°31'36"	14°52'10"	0.002
10/04/2020 00:00:00	♃	28°07'11" ♋	-03°03'31"	-02°31'08"	01°33'02"	1.139
10/04/2020 00:00:00	♃	05°26'39" ♋	25°19'09" ♋	04°10'44"	00°49'42"	0.584
10/04/2020 00:00:00	♃	07°04'28" ♋	-19°37'10"	-01°09'20"	00°41'42"	1.389
10/04/2020 00:00:00	♃	25°24'59" ♋	-21°08'06"	-00°04'58"	00°06'07"	5.178
10/04/2020 00:00:00	♃	01°10'34" ♋	-19°57'59"	-00°04'24"	00°02'57"	10.159
10/04/2020 00:00:00	♃	05°39'30" ♋	12°58'55"	-00°27'00"	00°03'21"	20.772

Ephemerides year 2020

10/04/2020 00:00:00	♁	19°34'52"	♈	-05°04'03"	-01°01'30"	00°02'01"	30.785
10/04/2020 00:00:00	♂	24°55'52"	♌	-21°57'03"	-00°49'22"	00°00'27"	34.077
10/04/2020 00:00:00	♄	01°46'40"	♈	23°25'28"	00°00'00"	-00°06'52"	0.003
10/04/2020 00:00:00	♃	06°15'41"	♈	04°57'44"	02°41'48"	00°03'26"	19.810
10/04/2020 00:00:00	♁	08°15'23"	♈	-01°26'06"	-05°07'24"	00°06'43"	0.003
10/04/2020 00:00:00	T♄	01°46'40"	♈	23°25'28"	00°00'00"	-00°06'52"	0.003
10/04/2020 00:00:00	T♁	08°56'29"	♈	-01°03'01"	-04°59'48"	-02°19'34"	0.003
10/04/2020 00:00:00	X	23°50'06"	♈	-01°31'12"	-11°34'05"	00°00'39"	96.971
10/04/2020 00:00:00	Y	27°17'05"	♏	08°02'40"	-11°48'00"	00°00'39"	85.343
11/04/2020 00:00:00	♁	21°34'00"	♈	08°24'25"	00°00'00"	00°58'51"	1.002
11/04/2020 00:00:00	♃	02°03'27"	♈	-18°07'13"	02°29'59"	14°26'03"	0.002
11/04/2020 00:00:00	♁	29°41'01"	♈	-02°26'11"	-02°31'07"	01°34'38"	1.152
11/04/2020 00:00:00	♂	06°15'59"	♈	25°31'23"	04°14'10"	00°48'55"	0.577
11/04/2020 00:00:00	♂	07°46'10"	♈	-19°27'42"	-01°10'36"	00°41'42"	1.382
11/04/2020 00:00:00	♂	25°31'02"	♌	-21°07'07"	-00°05'06"	00°05'58"	5.162
11/04/2020 00:00:00	♃	01°13'29"	♈	-19°57'26"	-00°04'30"	00°02'52"	10.143
11/04/2020 00:00:00	♃	05°42'51"	♏	13°00'02"	-00°26'59"	00°03'22"	20.776
11/04/2020 00:00:00	♁	19°36'52"	♈	-05°03'17"	-01°01'32"	00°02'00"	30.777
11/04/2020 00:00:00	♂	24°56'19"	♌	-21°57'05"	-00°49'29"	00°00'26"	34.061

Ephemerides year 2020

11/04/2020 00:00:00	♏	01°41'06" ♃	23°25'33"	00°00'00"	-00°04'14"	0.003
11/04/2020 00:00:00	♋	06°19'07" ♃	04°59'04"	02°41'47"	00°03'25"	19.806
11/04/2020 00:00:00	♋	08°22'06" ♃	-01°23'23"	-05°07'19"	00°06'43"	0.003
11/04/2020 00:00:00	♏	01°41'06" ♃	23°25'33"	00°00'00"	-00°04'14"	0.003
11/04/2020 00:00:00	♋	06°26'12" ♃	-02°03'50"	-05°01'45"	-02°38'58"	0.003
11/04/2020 00:00:00	X	23°50'46" ♃	-01°30'56"	-11°34'03"	00°00'39"	96.972
11/04/2020 00:00:00	Y	27°17'45" ♃	08°02'53"	-11°47'55"	00°00'39"	85.352
12/04/2020 00:00:00	♏	22°32'50" ♃	08°46'21"	00°00'00"	00°58'49"	1.002
12/04/2020 00:00:00	♎	16°14'58" ♃	-21°23'19"	01°20'41"	13°56'45"	0.002
12/04/2020 00:00:00	♋	01°16'27" ♃	-01°47'45"	-02°30'35"	01°36'13"	1.164
12/04/2020 00:00:00	♋	07°04'30" ♃	25°43'05"	04°17'28"	00°48'06"	0.569
12/04/2020 00:00:00	♋	08°27'52" ♃	-19°18'04"	-01°11'52"	00°41'42"	1.374
12/04/2020 00:00:00	♋	25°36'56" ♃	-21°06'09"	-00°05'14"	00°05'48"	5.146
12/04/2020 00:00:00	♋	01°16'19" ♃	-19°56'53"	-00°04'35"	00°02'47"	10.126
12/04/2020 00:00:00	♋	05°46'14" ♃	13°01'10"	-00°26'58"	00°03'22"	20.780
12/04/2020 00:00:00	♋	19°38'52" ♃	-05°02'32"	-01°01'34"	00°01'59"	30.768
12/04/2020 00:00:00	♋	24°56'44" ♃	-21°57'07"	-00°49'36"	00°00'24"	34.045
12/04/2020 00:00:00	♏	01°38'07" ♃	23°25'35"	00°00'00"	-00°01'49"	0.003
12/04/2020 00:00:00	♋	06°22'32" ♃	05°00'24"	02°41'45"	00°03'25"	19.802

Ephemerides year 2020

12/04/2020 00:00:00	☾	08°28'50" ♀	-01°20'40"	-05°07'14"	00°06'43"	0.003
12/04/2020 00:00:00	♄♁	01°38'07" ♀	23°25'35"	00°00'00"	-00°01'49"	0.003
12/04/2020 00:00:00	♄☾	03°45'08" ♀	-03°08'48"	-05°03'13"	-02°38'52"	0.003
12/04/2020 00:00:00	X	23°51'25" ♀	-01°30'40"	-11°34'01"	00°00'39"	96.973
12/04/2020 00:00:00	Y	27°18'25" ♂	08°03'07"	-11°47'50"	00°00'40"	85.361
13/04/2020 00:00:00	☉	23°31'39" ♀	09°08'08"	00°00'00"	00°58'48"	1.003
13/04/2020 00:00:00	♃	29°57'00" ♂	-23°17'18"	00°08'52"	13°27'34"	0.003
13/04/2020 00:00:00	♀	02°53'28" ♀	-01°08'16"	-02°29'33"	01°37'48"	1.176
13/04/2020 00:00:00	♀	07°52'11" ♀	25°54'16"	♁ 04°20'39"	00°47'16"	0.561
13/04/2020 00:00:00	♂	09°09'35" ♀	-19°08'18"	-01°13'09"	00°41'42"	1.366
13/04/2020 00:00:00	♃	25°42'40" ♂	-21°05'14"	-00°05'22"	00°05'39"	5.130
13/04/2020 00:00:00	♃	01°19'03" ♀	-19°56'22"	-00°04'40"	00°02'41"	10.110
13/04/2020 00:00:00	♃	05°49'37" ♂	13°02'18"	-00°26'58"	00°03'23"	20.784
13/04/2020 00:00:00	♃	19°40'51" ♀	-05°01'47"	-01°01'35"	00°01'58"	30.759
13/04/2020 00:00:00	♃	24°57'07" ♂	-21°57'09"	-00°49'43"	00°00'22"	34.028
13/04/2020 00:00:00	♁	01°37'13" ♀	23°25'36"	00°00'00"	-00°00'08"	0.003
13/04/2020 00:00:00	♃	06°25'57" ♀	05°01'44"	02°41'44"	00°03'24"	19.797
13/04/2020 00:00:00	☾	08°35'33" ♀	-01°17'57"	-05°07'08"	00°06'43"	0.003
13/04/2020 00:00:00	♄♁	01°37'13" ♀	23°25'36"	00°00'00"	-00°00'08"	0.003

Ephemerides year 2020

13/04/2020 00:00:00	T♄	01°17'36" ♏	-04°07'57"	-05°03'55"	-02°11'48"	0.003
13/04/2020 00:00:00	X	23°52'05" ♏	-01°30'23"	-11°33'58"	00°00'39"	96.973
13/04/2020 00:00:00	Y	27°19'06" ♏	08°03'20"	-11°47'45"	00°00'40"	85.370
14/04/2020 00:00:00	☉	24°30'27" ♏	09°29'47"	00°00'00"	00°58'46"	1.003
14/04/2020 00:00:00	☾	13°10'58" ♏	-23°47'50"	o-01°01'06"	13°00'57"	0.003
14/04/2020 00:00:00	♁	04°32'04" ♏	-00°27'46"	-02°28'01"	01°39'23"	1.188
14/04/2020 00:00:00	♂	08°39'02" ♏	26°04'56"	o 04°23'41"	00°46'23"	0.554
14/04/2020 00:00:00	♂	09°51'16" ♏	-18°58'23"	-01°14'26"	00°41'41"	1.358
14/04/2020 00:00:00	♃	25°48'14" ♏	-21°04'20"	-00°05'30"	00°05'29"	5.114
14/04/2020 00:00:00	♅	01°21'42" ♏	-19°55'52"	-00°04'45"	00°02'36"	10.093
14/04/2020 00:00:00	♁	05°53'01" ♏	13°03'26"	-00°26'57"	00°03'24"	20.788
14/04/2020 00:00:00	♆	19°42'48" ♏	-05°01'02"	-01°01'37"	00°01'57"	30.749
14/04/2020 00:00:00	♁	24°57'29" ♏	-21°57'12"	-00°49'50"	00°00'20"	34.012
14/04/2020 00:00:00	♁	01°37'29" ♏	23°25'35"	00°00'00"	00°00'29"	0.003
14/04/2020 00:00:00	♁	06°29'22" ♏	05°03'04"	02°41'42"	00°03'23"	19.793
14/04/2020 00:00:00	♁	08°42'17" ♏	-01°15'14"	-05°07'03"	00°06'43"	0.003
14/04/2020 00:00:00	T♁	01°37'29" ♏	23°25'35"	00°00'00"	00°00'29"	0.003
14/04/2020 00:00:00	T♄	29°28'43" ♏	-04°51'19"	-05°04'02"	-01°23'23"	0.003
14/04/2020 00:00:00	X	23°52'44" ♏	-01°30'07"	-11°33'56"	00°00'39"	96.973



Ephemerides year 2020

14/04/2020 00:00:00	Y	27°19'47" ♂	08°03'34"	-11°47'40"	00°00'41"	85.379
15/04/2020 00:00:00	☉	25°29'12" ♀	09°51'16"	00°00'00"	00°58'44"	1.003
15/04/2020 00:00:00	☾	26°00'15" ♀	-23°00'19"	-02°05'52"	12°38'21"	0.003
15/04/2020 00:00:00	♀	06°12'14" ♀	00°13'44"	-02°25'58"	01°40'58"	1.200
15/04/2020 00:00:00	♀	09°24'58" ♀	26°15'04" ○	04°26'36"	00°45'29"	0.546
15/04/2020 00:00:00	♂	10°32'58" ♀	-18°48'19"	-01°15'43"	00°41'41"	1.350
15/04/2020 00:00:00	♃	25°53'39" ♀	-21°03'27"	-00°05'38"	00°05'19"	5.098
15/04/2020 00:00:00	♄	01°24'16" ♀	-19°55'24"	-00°04'50"	00°02'30"	10.076
15/04/2020 00:00:00	♅	05°56'25" ♂	13°04'34"	-00°26'56"	00°03'24"	20.791
15/04/2020 00:00:00	♆	19°44'45" ♀	-05°00'18"	-01°01'39"	00°01'56"	30.740
15/04/2020 00:00:00	♇	24°57'49" ♀	-21°57'16"	-00°49'57"	00°00'19"	33.995
15/04/2020 00:00:00	♈	01°37'49" ♀	23°25'35"	00°00'00"	-00°00'02"	0.003
15/04/2020 00:00:00	♉	06°32'45" ♀	05°04'24"	02°41'41"	00°03'22"	19.788
15/04/2020 00:00:00	♊	08°49'00" ♀	-01°12'31"	-05°06'57"	00°06'43"	0.003
15/04/2020 00:00:00	T♈	01°37'49" ♀	23°25'35"	00°00'00"	-00°00'02"	0.003
15/04/2020 00:00:00	T♉	28°33'30" ♀	-05°13'10"	-05°03'54"	-00°26'50"	0.003
15/04/2020 00:00:00	X	23°53'24" ♀	-01°29'51"	-11°33'54"	00°00'39"	96.973
15/04/2020 00:00:00	Y	27°20'28" ♂	08°03'47"	-11°47'35"	00°00'41"	85.387
16/04/2020 00:00:00	☉	26°27'56" ♀	10°12'35"	-00°00'00"	00°58'42"	1.004

Ephemerides year 2020

16/04/2020 00:00:00	♃	08°29'14" ♁	-21°04'46"	-03°02'51"	12°20'25"	0.003
16/04/2020 00:00:00	♆	07°54'00" ♀	00°56'14"	-02°23'24"	01°42'33"	1.211
16/04/2020 00:00:00	♀	10°10'00" ♀	26°24'41" ♁	04°29'22"	00°44'33"	0.539
16/04/2020 00:00:00	♂	11°14'39" ♁	-18°38'06"	-01°17'01"	00°41'40"	1.343
16/04/2020 00:00:00	♃	25°58'54" ♁	-21°02'36"	-00°05'46"	00°05'09"	5.082
16/04/2020 00:00:00	♃	01°26'44" ♁	-19°54'56"	-00°04'55"	00°02'25"	10.060
16/04/2020 00:00:00	♃	05°59'50" ♁	13°05'43"	-00°26'56"	00°03'24"	20.794
16/04/2020 00:00:00	♃	19°46'40" ♁	-04°59'34"	-01°01'40"	00°01'54"	30.730
16/04/2020 00:00:00	♃	24°58'08" ♁	-21°57'19"	-00°50'04"	00°00'17"	33.979
16/04/2020 00:00:00	♁	01°37'04" ♁	23°25'36"	00°00'00"	-00°01'34"	0.003
16/04/2020 00:00:00	♃	06°36'07" ♁	05°05'43"	02°41'40"	00°03'21"	19.782
16/04/2020 00:00:00	♃	08°55'44" ♁	-01°09'48"	-05°06'52"	00°06'43"	0.003
16/04/2020 00:00:00	♁	01°37'04" ♁	23°25'36"	00°00'00"	-00°01'34"	0.003
16/04/2020 00:00:00	♃	28°33'34" ♁	-05°13'03"	-05°03'48"	00°25'30"	0.003
16/04/2020 00:00:00	X	23°54'03" ♁	-01°29'36"	-11°33'52"	00°00'39"	96.972
16/04/2020 00:00:00	Y	27°21'09" ♁	08°04'00"	-11°47'30"	00°00'41"	85.396
17/04/2020 00:00:00	♁	27°26'38" ♁	10°33'45"	-00°00'00"	00°58'41"	1.004
17/04/2020 00:00:00	♃	20°42'40" ♁	-18°13'14"	-03°50'10"	12°07'11"	0.003
17/04/2020 00:00:00	♆	09°37'22" ♁	01°39'39"	-02°20'20"	01°44'09"	1.223

Ephemerides year 2020

17/04/2020 00:00:00	♀	10°54'04" ♀	26°33'46" ♀	04°31'59" ♀	00°43'34" ♀	0.531
17/04/2020 00:00:00	♂	11°56'20" ♀	-18°27'45" ♀	-01°18'20" ♀	00°41'40" ♀	1.335
17/04/2020 00:00:00	♃	26°03'59" ♀	-21°01'47" ♀	-00°05'54" ♀	00°04'59" ♀	5.066
17/04/2020 00:00:00	♃	01°29'06" ♀	-19°54'30" ♀	-00°05'01" ♀	00°02'19" ♀	10.043
17/04/2020 00:00:00	♃	06°03'15" ♀	13°06'51" ♀	-00°26'55" ♀	00°03'25" ♀	20.797
17/04/2020 00:00:00	♃	19°48'35" ♀	-04°58'51" ♀	-01°01'42" ♀	00°01'53" ♀	30.720
17/04/2020 00:00:00	♃	24°58'24" ♀	-21°57'23" ♀	-00°50'11" ♀	00°00'15" ♀	33.963
17/04/2020 00:00:00	♃	01°34'25" ♀	23°25'38" ♀	00°00'00" ♀	-00°03'49" ♀	0.003
17/04/2020 00:00:00	♃	06°39'29" ♀	05°07'02" ♀	02°41'40" ♀	00°03'20" ♀	19.777
17/04/2020 00:00:00	♃	09°02'27" ♀	-01°07'05" ♀	-05°06'46" ♀	00°06'43" ♀	0.003
17/04/2020 00:00:00	T♃	01°34'25" ♀	23°25'38" ♀	00°00'00" ♀	-00°03'49" ♀	0.003
17/04/2020 00:00:00	T♃	29°20'39" ♀	-04°54'17" ♀	-05°03'46" ♀	01°06'27" ♀	0.003
17/04/2020 00:00:00	X	23°54'43" ♀	-01°29'20" ♀	-11°33'51" ♀	00°00'39" ♀	96.972
17/04/2020 00:00:00	Y	27°21'51" ♀	08°04'14" ♀	-11°47'26" ♀	00°00'42" ♀	85.404
18/04/2020 00:00:00	♃	28°25'18" ♀	10°54'44" ♀	-00°00'00" ♀	00°58'39" ♀	1.004
18/04/2020 00:00:00	♃	02°45'04" ♀	-14°37'52" ♀	-04°26'26" ♀	11°58'18" ♀	0.003
18/04/2020 00:00:00	♃	11°22'19" ♀	02°23'59" ♀	-02°16'45" ♀	01°45'45" ♀	1.233
18/04/2020 00:00:00	♀	11°37'09" ♀	26°42'20" ♀	04°34'26" ♀	00°42'34" ♀	0.523
18/04/2020 00:00:00	♂	12°37'59" ♀	-18°17'16" ♀	-01°19'39" ♀	00°41'39" ♀	1.327

Ephemerides year 2020

18/04/2020 00:00:00	♈	26°08'54" ⚔	-21°01'00"	-00°06'02"	00°04'49"	5.050
18/04/2020 00:00:00	♉	01°31'23" ♁	-19°54'05"	-00°05'06"	00°02'14"	10.027
18/04/2020 00:00:00	♊	06°06'41" ⚔	13°07'59"	-00°26'55"	00°03'25"	20.800
18/04/2020 00:00:00	♋	19°50'28" ♃	-04°58'08"	-01°01'44"	00°01'52"	30.709
18/04/2020 00:00:00	♌	24°58'38" ⚔	-21°57'27"	-00°50'18"	00°00'13"	33.946
18/04/2020 00:00:00	♍	01°29'19" ♃	23°25'41"	00°00'00"	-00°06'22"	0.003
18/04/2020 00:00:00	♎	06°42'49" ♃	05°08'21"	02°41'39"	00°03'19"	19.771
18/04/2020 00:00:00	♏	09°09'10" ♃	-01°04'21"	-05°06'40"	00°06'43"	0.003
18/04/2020 00:00:00	♐	01°29'19" ♃	23°25'41"	00°00'00"	-00°06'22"	0.003
18/04/2020 00:00:00	♑	00°41'57" ♃	-04°21'53"	-05°03'39"	01°33'55"	0.003
18/04/2020 00:00:00	♒	23°55'22" ♃	-01°29'04"	-11°33'49"	00°00'39"	96.970
18/04/2020 00:00:00	♓	27°22'34" ⚔	08°04'27"	-11°47'21"	00°00'42"	85.411
19/04/2020 00:00:00	♈	29°23'57" ♃	11°15'32"	-00°00'00"	00°58'37"	1.004
19/04/2020 00:00:00	♉	14°40'32" ♃	-10°29'59"	-04°50'42"	11°53'10"	0.003
19/04/2020 00:00:00	♊	13°08'53" ♃	03°09'11"	-02°12'40"	01°47'22"	1.244
19/04/2020 00:00:00	♋	12°19'12" ♃	26°50'23" ♁	04°36'43"	00°41'31"	0.516
19/04/2020 00:00:00	♌	13°19'38" ♁	-18°06'39"	-01°20'58"	00°41'38"	1.320
19/04/2020 00:00:00	♍	26°13'38" ⚔	-21°00'14"	-00°06'10"	00°04'39"	5.034
19/04/2020 00:00:00	♎	01°33'34" ♁	-19°53'41"	-00°05'11"	00°02'08"	10.010

Ephemerides year 2020

19/04/2020 00:00:00	♃	06°10'07" ♉	13°09'08"	-00°26'54"	00°03'26"	20.802
19/04/2020 00:00:00	♃	19°52'20" ♉	-04°57'25"	-01°01'46"	00°01'51"	30.699
19/04/2020 00:00:00	♃	24°58'51" ♉	-21°57'32"	-00°50'25"	00°00'11"	33.930
19/04/2020 00:00:00	♃	01°21'44" ♉	23°25'46"	00°00'00"	-00°08'44"	0.003
19/04/2020 00:00:00	♃	06°46'09" ♉	05°09'39"	02°41'38"	00°03'18"	19.765
19/04/2020 00:00:00	♃	09°15'54" ♉	-01°01'38"	-05°06'33"	00°06'43"	0.003
19/04/2020 00:00:00	♃	01°21'44" ♉	23°25'46"	00°00'00"	-00°08'44"	0.003
19/04/2020 00:00:00	♃	02°24'34" ♉	-03°40'52"	-05°03'22"	01°49'40"	0.003
19/04/2020 00:00:00	X	23°56'01" ♉	-01°28'49"	-11°33'48"	00°00'39"	96.969
19/04/2020 00:00:00	Y	27°23'16" ♉	08°04'40"	-11°47'17"	00°00'42"	85.419
20/04/2020 00:00:00	♃	00°22'34" ♉	11°36'09"	-00°00'00"	00°58'35"	1.005
20/04/2020 00:00:00	♃	26°32'27" ♉	-05°59'48"	-05°02'15"	11°51'07"	0.003
20/04/2020 00:00:00	♃	14°57'04" ♉	03°55'13"	-02°08'04"	01°48'59"	1.254
20/04/2020 00:00:00	♀	13°00'10" ♉	26°57'55" ♀	04°38'51"	00°40'25"	0.508
20/04/2020 00:00:00	♂	14°01'17" ♉	-17°55'54"	-01°22'17"	00°41'37"	1.312
20/04/2020 00:00:00	♂	26°18'13" ♉	-20°59'31"	-00°06'18"	00°04'29"	5.018
20/04/2020 00:00:00	♂	01°35'40" ♉	-19°53'18"	-00°05'16"	00°02'02"	9.993
20/04/2020 00:00:00	♃	06°13'33" ♉	13°10'16"	-00°26'53"	00°03'26"	20.804
20/04/2020 00:00:00	♃	19°54'11" ♉	-04°56'43"	-01°01'47"	00°01'50"	30.688

Ephemerides year 2020

20/04/2020 00:00:00	♁	24°59'02" ♁	-21°57'37"	-00°50'32"	00°00'10"	33.914
20/04/2020 00:00:00	♁	01°12'01" ♁	23°25'52"	00°00'00"	-00°10'33"	0.003
20/04/2020 00:00:00	♁	06°49'27" ♁	05°10'57"	02°41'38"	00°03'17"	19.759
20/04/2020 00:00:00	♁	09°22'37" ♁	-00°58'54"	-05°06'27"	00°06'43"	0.003
20/04/2020 00:00:00	♁	01°12'01" ♁	23°25'52"	00°00'00"	-00°10'33"	0.003
20/04/2020 00:00:00	♁	04°18'59" ♁	-02°55'01"	-05°02'48"	01°58'35"	0.003
20/04/2020 00:00:00	X	23°56'41" ♁	-01°28'34"	-11°33'46"	00°00'39"	96.967
20/04/2020 00:00:00	Y	27°23'59" ♁	08°04'53"	-11°47'13"	00°00'43"	85.426
21/04/2020 00:00:00	♁	01°21'08" ♁	11°56'35"	-00°00'00"	00°58'34"	1.005
21/04/2020 00:00:00	♁	08°23'34" ♁	-01°16'48"	-05°00'47"	11°51'28"	0.003
21/04/2020 00:00:00	♁	16°46'52" ♁	04°42'01"	-02°02'58"	01°50'36"	1.264
21/04/2020 00:00:00	♁	13°40'02" ♁	27°04'55" ♁	04°40'47"	00°39'17"	0.501
21/04/2020 00:00:00	♁	14°42'54" ♁	-17°45'00"	-01°23'37"	00°41'36"	1.304
21/04/2020 00:00:00	♁	26°22'37" ♁	-20°58'49"	-00°06'27"	00°04'19"	5.002
21/04/2020 00:00:00	♁	01°37'40" ♁	-19°52'57"	-00°05'22"	00°01'57"	9.976
21/04/2020 00:00:00	♁	06°16'59" ♁	13°11'25"	-00°26'53"	00°03'26"	20.806
21/04/2020 00:00:00	♁	19°56'01" ♁	-04°56'02"	-01°01'49"	00°01'49"	30.677
21/04/2020 00:00:00	♁	24°59'11" ♁	-21°57'42"	-00°50'39"	00°00'08"	33.897
21/04/2020 00:00:00	♁	01°00'54" ♁	23°25'57"	00°00'00"	-00°11'30"	0.003

Ephemerides year 2020

21/04/2020 00:00:00	♄	06°52'44" ♀	05°12'15"	02°41'37"	00°03'16"	19.752
21/04/2020 00:00:00	♁	09°29'20" ♀	-00°56'11"	-05°06'21"	00°06'43"	0.003
21/04/2020 00:00:00	♄♁	01°00'54" ♀	23°25'57"	00°00'00"	-00°11'30"	0.003
21/04/2020 00:00:00	♁♄	06°21'50" ♀	-02°05'45"	-05°01'58"	02°07'49"	0.003
21/04/2020 00:00:00	X	23°57'20" ♀	-01°28'19"	-11°33'45"	00°00'39"	96.965
21/04/2020 00:00:00	Y	27°24'43" ♂	08°05'07"	-11°47'09"	00°00'43"	85.433
22/04/2020 00:00:00	♁	02°19'42" ♂	12°16'49"	-00°00'00"	00°58'32"	1.005
22/04/2020 00:00:00	♃	20°16'01" ♀	03°29'44"	-04°46'17"	11°53'41"	0.003
22/04/2020 00:00:00	♁	18°38'18" ♀	05°29'34"	-01°57'21"	01°52'14"	1.273
22/04/2020 00:00:00	♁	14°18'45" ♀	27°11'25" ♀	04°42'32"	00°38'07"	0.494
22/04/2020 00:00:00	♁	15°24'30" ♀	-17°34'00"	-01°24'57"	00°41'35"	1.297
22/04/2020 00:00:00	♁	26°26'51" ♀	-20°58'09"	-00°06'35"	00°04'08"	4.986
22/04/2020 00:00:00	♁	01°39'34" ♀	-19°52'36"	-00°05'27"	00°01'51"	9.960
22/04/2020 00:00:00	♁	06°20'26" ♂	13°12'33"	-00°26'52"	00°03'26"	20.807
22/04/2020 00:00:00	♁	19°57'49" ♀	-04°55'21"	-01°01'51"	00°01'47"	30.666
22/04/2020 00:00:00	♁	24°59'19" ♀	-21°57'48"	-00°50'46"	00°00'06"	33.881
22/04/2020 00:00:00	♁	00°49'21" ♀	23°26'02"	00°00'00"	-00°11'26"	0.003
22/04/2020 00:00:00	♄	06°56'00" ♀	05°13'32"	02°41'37"	00°03'15"	19.746
22/04/2020 00:00:00	♁	09°36'03" ♀	-00°53'27"	-05°06'14"	00°06'43"	0.003

Ephemerides year 2020

22/04/2020 00:00:00	T♄	00°49'21" ♉	23°26'02"	00°00'00"	-00°11'26"	0.003
22/04/2020 00:00:00	T♄	08°37'13" ♉	-01°11'24"	-05°00'44"	02°24'42"	0.003
22/04/2020 00:00:00	X	23°57'59" ♉	-01°28'04"	-11°33'44"	00°00'39"	96.963
22/04/2020 00:00:00	Y	27°25'26" ♉	08°05'20"	-11°47'05"	00°00'43"	85.440
23/04/2020 00:00:00	☉	03°18'13" ♉	12°36'51"	-00°00'00"	00°58'30"	1.006
23/04/2020 00:00:00	☾	02°11'27" ♉	08°10'23"	-04°19'14"	11°57'24"	0.003
23/04/2020 00:00:00	☿	20°31'22" ♉	06°17'47"	-01°51'16"	01°53'52"	1.282
23/04/2020 00:00:00	♀	14°56'16" ♉	27°17'23" ♁	04°44'05"	00°36'54"	0.486
23/04/2020 00:00:00	♂	16°06'05" ♉	-17°22'52"	-01°26'18"	00°41'34"	1.289
23/04/2020 00:00:00	♃	26°30'55" ♉	-20°57'31"	-00°06'43"	00°03'58"	4.970
23/04/2020 00:00:00	♅	01°41'22" ♉	-19°52'17"	-00°05'32"	00°01'45"	9.943
23/04/2020 00:00:00	♁	06°23'53" ♉	13°13'42"	-00°26'52"	00°03'26"	20.809
23/04/2020 00:00:00	♂	19°59'36" ♉	-04°54'41"	-01°01'53"	00°01'46"	30.655
23/04/2020 00:00:00	♁	24°59'25" ♉	-21°57'54"	-00°50'53"	00°00'04"	33.865
23/04/2020 00:00:00	♁	00°38'22" ♉	23°26'06"	00°00'00"	-00°10'22"	0.003
23/04/2020 00:00:00	♂	06°59'15" ♉	05°14'50"	02°41'37"	00°03'14"	19.739
23/04/2020 00:00:00	♁	09°42'47" ♉	-00°50'43"	-05°06'07"	00°06'43"	0.003
23/04/2020 00:00:00	T♄	00°38'22" ♉	23°26'06"	00°00'00"	-00°10'22"	0.003
23/04/2020 00:00:00	T♄	11°15'02" ♉	-00°08'03"	-04°58'48"	02°52'40"	0.003



Ephemerides year 2020

23/04/2020 00:00:00	X	23°58'38" ♄	-01°27'49"	-11°33'43"	00°00'38"	96.961
23/04/2020 00:00:00	Y	27°26'10" ♃	08°05'32"	-11°47'01"	00°00'44"	85.446
24/04/2020 00:00:00	☉	04°16'42" ♃	12°56'40"	-00°00'00"	00°58'28"	1.006
24/04/2020 00:00:00	☾	14°11'17" ♃	12°34'58"	-03°40'29"	12°02'29"	0.003
24/04/2020 00:00:00	♀	22°26'03" ♄	07°06'37"	-01°44'40"	01°55'30"	1.290
24/04/2020 00:00:00	♀	15°32'32" ♀	27°22'51" ○	04°45'25"	00°35'37"	0.479
24/04/2020 00:00:00	♂	16°47'39" ♁	-17°11'36"	-01°27'39"	00°41'33"	1.281
24/04/2020 00:00:00	♃	26°34'48" ♃	-20°56'55"	-00°06'52"	00°03'47"	4.954
24/04/2020 00:00:00	♅	01°43'05" ♁	-19°52'00"	-00°05'38"	00°01'39"	9.926
24/04/2020 00:00:00	♁	06°27'20" ♃	13°14'50"	-00°26'51"	00°03'27"	20.809
24/04/2020 00:00:00	♃	20°01'22" ♃	-04°54'01"	-01°01'55"	00°01'45"	30.643
24/04/2020 00:00:00	♃	24°59'28" ♃	-21°58'00"	-00°51'00"	00°00'03"	33.848
24/04/2020 00:00:00	♁	00°28'53" ♃	23°26'08"	00°00'00"	-00°08'29"	0.003
24/04/2020 00:00:00	♃	07°02'29" ♄	05°16'06"	02°41'37"	00°03'13"	19.731
24/04/2020 00:00:00	♃	09°49'30" ♄	-00°47'59"	-05°06'00"	00°06'43"	0.003
24/04/2020 00:00:00	T♁	00°28'53" ♃	23°26'08"	00°00'00"	-00°08'29"	0.003
24/04/2020 00:00:00	T♃	14°25'00" ♄	01°08'11"	-04°55'42"	03°27'38"	0.003
24/04/2020 00:00:00	X	23°59'17" ♄	-01°27'34"	-11°33'42"	00°00'38"	96.958
24/04/2020 00:00:00	Y	27°26'54" ♃	08°05'45"	-11°46'58"	00°00'44"	85.452

Ephemerides year 2020

25/04/2020 00:00:00	♈	05°15'10"	♄	13°16'17"	-00°00'00"	00°58'26"	1.006
25/04/2020 00:00:00	♉	26°16'55"	♄	16°32'23"	-02°51'25"	12°09'01"	0.003
25/04/2020 00:00:00	♊	24°22'22"	♄	07°55'59"	-01°37'37"	01°57'07"	1.297
25/04/2020 00:00:00	♋	16°07'31"	♄	27°27'47"	♁ 04°46'33"	00°34'18"	0.472
25/04/2020 00:00:00	♌	17°29'12"	♄	-17°00'13"	-01°29'00"	00°41'32"	1.274
25/04/2020 00:00:00	♍	26°38'30"	♄	-20°56'20"	-00°07'00"	00°03'37"	4.938
25/04/2020 00:00:00	♎	01°44'42"	♄	-19°51'43"	-00°05'43"	00°01'34"	9.910
25/04/2020 00:00:00	♏	06°30'47"	♄	13°15'59"	-00°26'51"	00°03'27"	20.810
25/04/2020 00:00:00	♐	20°03'07"	♄	-04°53'21"	-01°01'57"	00°01'44"	30.631
25/04/2020 00:00:00	♑	24°59'31"	♄	-21°58'06"	-00°51'07"	00°00'01"	33.832
25/04/2020 00:00:00	♒	00°21'34"	♄	23°26'10"	00°00'00"	-00°06'05"	0.003
25/04/2020 00:00:00	♓	07°05'42"	♄	05°17'23"	02°41'37"	00°03'11"	19.724
25/04/2020 00:00:00	♈	09°56'13"	♄	-00°45'15"	-05°05'53"	00°06'43"	0.003
25/04/2020 00:00:00	T♒	00°21'34"	♄	23°26'10"	00°00'00"	-00°06'05"	0.003
25/04/2020 00:00:00	T♑	18°09'06"	♄	02°37'57"	-04°50'51"	03°58'54"	0.003
25/04/2020 00:00:00	X	23°59'56"	♄	-01°27'20"	-11°33'41"	00°00'38"	96.955
25/04/2020 00:00:00	Y	27°27'39"	♄	08°05'58"	-11°46'54"	00°00'44"	85.458
26/04/2020 00:00:00	♈	06°13'36"	♄	13°35'41"	00°00'00"	00°58'24"	1.006
26/04/2020 00:00:00	♉	08°29'56"	♄	19°50'40"	-01°53'52"	12°17'22"	0.003

Ephemerides year 2020

26/04/2020 00:00:00	♀	26°20'18" ♀	08°45'49"	-01°30'05"	01°58'43"	1.304
26/04/2020 00:00:00	♀	16°41'08" ♀	27°32'13" ♀	04°47'27"	00°32'56"	0.464
26/04/2020 00:00:00	♂	18°10'44" ♂	-16°48'43"	-01°30'22"	00°41'30"	1.266
26/04/2020 00:00:00	♃	26°42'02" ♃	-20°55'48"	-00°07'09"	00°03'26"	4.923
26/04/2020 00:00:00	♅	01°46'14" ♅	-19°51'28"	-00°05'48"	00°01'28"	9.893
26/04/2020 00:00:00	♁	06°34'15" ♁	13°17'07"	-00°26'51"	00°03'26"	20.810
26/04/2020 00:00:00	♃	20°04'50" ♃	-04°52'43"	-01°01'59"	00°01'42"	30.619
26/04/2020 00:00:00	♁	24°59'31" ♁	-21°58'13"	-00°51'14"	-00°00'00"	33.816
26/04/2020 00:00:00	♁	00°16'45" ♁	23°26'10"	00°00'00"	-00°03'33"	0.003
26/04/2020 00:00:00	♂	07°08'53" ♂	05°18'39"	02°41'37"	00°03'10"	19.716
26/04/2020 00:00:00	♁	10°02'57" ♁	-00°42'31"	-05°05'46"	00°06'43"	0.003
26/04/2020 00:00:00	T♁	00°16'45" ♁	23°26'10"	00°00'00"	-00°03'33"	0.003
26/04/2020 00:00:00	T♃	22°17'33" ♃	04°16'53"	-04°43'58"	04°14'33"	0.003
26/04/2020 00:00:00	X	24°00'34" ♀	-01°27'05"	-11°33'41"	00°00'38"	96.952
26/04/2020 00:00:00	Y	27°28'24" ♀	08°06'11"	-11°46'51"	00°00'45"	85.464
27/04/2020 00:00:00	♁	07°11'59" ♁	13°54'51"	00°00'00"	00°58'22"	1.007
27/04/2020 00:00:00	♃	20°52'24" ♃	22°17'23"	-00°50'04"	12°27'57"	0.003
27/04/2020 00:00:00	♀	28°19'48" ♀	09°36'01"	-01°22'07"	02°00'17"	1.310
27/04/2020 00:00:00	♀	17°13'22" ♀	27°36'08" ♀	04°48'07"	00°31'30"	0.457

Ephemerides year 2020

27/04/2020 00:00:00	♂	18°52'14" ♊	-16°37'07"	-01°31'44"	00°41'29"	1.259
27/04/2020 00:00:00	♃	26°45'23" ♈	-20°55'18"	-00°07'17"	00°03'15"	4.907
27/04/2020 00:00:00	♅	01°47'39" ♊	-19°51'14"	-00°05'54"	00°01'22"	9.876
27/04/2020 00:00:00	♁	06°37'41" ♉	13°18'15"	-00°26'50"	00°03'27"	20.811
27/04/2020 00:00:00	♆	20°06'32" ♈	-04°52'04"	-01°02'01"	00°01'41"	30.607
27/04/2020 00:00:00	♁	24°59'30" ♈	-21°58'20"	-00°51'21"	-00°00'02"	33.800
27/04/2020 00:00:00	♁	00°14'22" ♉	23°26'10"	00°00'00"	-00°01'17"	0.003
27/04/2020 00:00:00	♃	07°12'03" ♈	05°19'54"	02°41'38"	00°03'09"	19.708
27/04/2020 00:00:00	♁	10°09'40" ♈	-00°39'47"	-05°05'38"	00°06'43"	0.003
27/04/2020 00:00:00	♁	00°14'22" ♉	23°26'10"	00°00'00"	-00°01'17"	0.003
27/04/2020 00:00:00	♁	26°30'16" ♈	05°56'27"	-04°35'23"	04°06'33"	0.003
27/04/2020 00:00:00	X	24°01'13" ♈	-01°26'51"	-11°33'40"	00°00'38"	96.948
27/04/2020 00:00:00	Y	27°29'09" ♉	08°06'24"	-11°46'48"	00°00'45"	85.469
28/04/2020 00:00:00	♁	08°10'21" ♉	14°13'47"	00°00'00"	00°58'20"	1.007
28/04/2020 00:00:00	♃	03°26'47" ♉	23°40'46" ○	00°17'17"	12°41'18"	0.003
28/04/2020 00:00:00	♁	00°20'52" ♉	10°26'30"	-01°13'42"	02°01'48"	1.316
28/04/2020 00:00:00	♀	17°44'08" ♈	27°39'32" ○	04°48'32"	00°30'01"	0.450
28/04/2020 00:00:00	♂	19°33'43" ♊	-16°25'23"	-01°33'06"	00°41'28"	1.251
28/04/2020 00:00:00	♃	26°48'34" ♈	-20°54'50"	-00°07'26"	00°03'05"	4.891

Ephemerides year 2020

28/04/2020 00:00:00	♃	01°48'59" ♊	-19°51'02"	-00°05'59"	00°01'16"	9.860
28/04/2020 00:00:00	♅	06°41'08" ♋	13°19'24"	-00°26'50"	00°03'27"	20.810
28/04/2020 00:00:00	♆	20°08'13" ♌	-04°51'27"	-01°02'03"	00°01'40"	30.595
28/04/2020 00:00:00	♁	24°59'27" ♍	-21°58'28"	-00°51'28"	-00°00'03"	33.784
28/04/2020 00:00:00	♄	00°13'57" ♎	23°26'10"	00°00'00"	00°00'20"	0.003
28/04/2020 00:00:00	♂	07°15'11" ♏	05°21'09"	02°41'38"	00°03'07"	19.700
28/04/2020 00:00:00	♁	10°16'24" ♏	-00°37'03"	-05°05'31"	00°06'43"	0.003
28/04/2020 00:00:00	♄♁	00°13'57" ♎	23°26'10"	00°00'00"	00°00'20"	0.003
28/04/2020 00:00:00	♄♁	00°21'51" ♏	07°26'22"	-04°26'11"	03°32'17"	0.003
28/04/2020 00:00:00	X	24°01'52" ♏	-01°26'37"	-11°33'40"	00°00'38"	96.944
28/04/2020 00:00:00	Y	27°29'54" ♏	08°06'36"	-11°46'44"	00°00'45"	85.474
29/04/2020 00:00:00	♁	09°08'41" ♏	14°32'30"	00°00'00"	00°58'18"	1.007
29/04/2020 00:00:00	♃	16°16'03" ♎	23°51'20" ♋	01°25'13"	12°57'45"	0.003
29/04/2020 00:00:00	♁	02°23'25" ♏	11°17'08"	-01°04'54"	02°03'16"	1.320
29/04/2020 00:00:00	♁	18°13'24" ♏	27°42'25" ♋	04°48'41"	00°28'28"	0.443
29/04/2020 00:00:00	♁	20°15'10" ♊	-16°13'33"	-01°34'28"	00°41'26"	1.244
29/04/2020 00:00:00	♁	26°51'34" ♍	-20°54'24"	-00°07'34"	00°02'54"	4.875
29/04/2020 00:00:00	♃	01°50'13" ♊	-19°50'51"	-00°06'04"	00°01'11"	9.843
29/04/2020 00:00:00	♅	06°44'36" ♋	13°20'32"	-00°26'49"	00°03'27"	20.810

Ephemerides year 2020

29/04/2020 00:00:00	♁	20°09'53" ♈	-04°50'49"	-01°02'05"	00°01'38"	30.582
29/04/2020 00:00:00	♁	24°59'22" ♈	-21°58'35"	-00°51'35"	-00°00'05"	33.768
29/04/2020 00:00:00	♁	00°14'46" ♉	23°26'10"	00°00'00"	00°01'06"	0.003
29/04/2020 00:00:00	♁	07°18'19" ♈	05°22'24"	02°41'39"	00°03'06"	19.691
29/04/2020 00:00:00	♁	10°23'07" ♈	-00°34'19"	-05°05'23"	00°06'43"	0.003
29/04/2020 00:00:00	T♁	00°14'46" ♉	23°26'10"	00°00'00"	00°01'06"	0.003
29/04/2020 00:00:00	T♁	03°26'43" ♈	08°36'58"	-04°17'56"	02°33'46"	0.003
29/04/2020 00:00:00	X	24°02'30" ♈	-01°26'23"	-11°33'40"	00°00'38"	96.940
29/04/2020 00:00:00	Y	27°30'40" ♈	08°06'49"	-11°46'42"	00°00'45"	85.479
30/04/2020 00:00:00	♁	10°06'58" ♈	14°50'57"	00°00'00"	00°58'16"	1.007
30/04/2020 00:00:00	♁	29°23'21" ♉	22°43'34"	02°30'20"	13°17'20"	0.003
30/04/2020 00:00:00	♁	04°27'24" ♈	12°07'48"	-00°55'42"	02°04'39"	1.324
30/04/2020 00:00:00	♁	18°41'05" ♉	27°44'46" ○	04°48'34"	00°26'52"	0.436
30/04/2020 00:00:00	♁	20°56'36" ♉	-16°01'37"	-01°35'51"	00°41'25"	1.236
30/04/2020 00:00:00	♁	26°54'22" ♈	-20°54'00"	-00°07'43"	00°02'43"	4.860
30/04/2020 00:00:00	♁	01°51'21" ♉	-19°50'41"	-00°06'10"	00°01'05"	9.827
30/04/2020 00:00:00	♁	06°48'03" ♈	13°21'40"	-00°26'49"	00°03'27"	20.809
30/04/2020 00:00:00	♁	20°11'31" ♈	-04°50'13"	-01°02'07"	00°01'37"	30.569
30/04/2020 00:00:00	♁	24°59'16" ♈	-21°58'44"	-00°51'42"	-00°00'07"	33.752

Ephemerides year 2020

30/04/2020 00:00:00	♏	00°15'50" ♃	23°26'10"	00°00'00"	00°00'53"	0.003
30/04/2020 00:00:00	♋	07°21'24" ♀	05°23'38"	02°41'40"	00°03'04"	19.683
30/04/2020 00:00:00	♏	10°29'50" ♀	-00°31'34"	-05°05'15"	00°06'43"	0.003
30/04/2020 00:00:00	♏	00°15'50" ♃	23°26'10"	00°00'00"	00°00'53"	0.003
30/04/2020 00:00:00	♏	05°23'23" ♀	09°20'54"	-04°12'20"	01°17'23"	0.003
30/04/2020 00:00:00	X	24°03'09" ♀	-01°26'09"	-11°33'39"	00°00'38"	96.935
30/04/2020 00:00:00	Y	27°31'26" ♀	08°07'01"	-11°46'39"	00°00'46"	85.484
01/05/2020 00:00:00	♏	11°05'14" ♀	15°09'10"	00°00'00"	00°58'14"	1.008
01/05/2020 00:00:00	♏	12°51'37" ♀	20°17'16"	03°28'56"	13°39'34"	0.003
01/05/2020 00:00:00	♏	06°32'43" ♀	12°58'21"	-00°46'10"	02°05'57"	1.326
01/05/2020 00:00:00	♏	19°07'08" ♀	27°46'37"	04°48'10"	00°25'12"	0.429
01/05/2020 00:00:00	♏	21°38'01" ♀	-15°49'34"	-01°37'15"	00°41'23"	1.229
01/05/2020 00:00:00	♏	26°57'00" ♀	-20°53'38"	-00°07'52"	00°02'32"	4.844
01/05/2020 00:00:00	♏	01°52'23" ♀	-19°50'32"	-00°06'15"	00°00'59"	9.810
01/05/2020 00:00:00	♏	06°51'30" ♀	13°22'48"	-00°26'48"	00°03'26"	20.808
01/05/2020 00:00:00	♏	20°13'07" ♀	-04°49'37"	-01°02'09"	00°01'35"	30.557
01/05/2020 00:00:00	♏	24°59'08" ♀	-21°58'52"	-00°51'49"	-00°00'09"	33.737
01/05/2020 00:00:00	♏	00°16'15" ♃	23°26'10"	00°00'00"	-00°00'12"	0.003
01/05/2020 00:00:00	♋	07°24'29" ♀	05°24'52"	02°41'40"	00°03'03"	19.674

Ephemerides year 2020

01/05/2020 00:00:00	☾	10°36'34" ♀	-00°28'50"	-05°05'07"	00°06'43"	0.003
01/05/2020 00:00:00	♁	00°16'15" ♀	23°26'10"	00°00'00"	-00°00'12"	0.003
01/05/2020 00:00:00	♁	05°59'26" ♀	09°34'22"	-04°10'32"	-00°04'58"	0.003
01/05/2020 00:00:00	X	24°03'47" ♀	-01°25'56"	-11°33'39"	00°00'38"	96.931
01/05/2020 00:00:00	Y	27°32'12" ♀	08°07'14"	-11°46'36"	00°00'46"	85.488
02/05/2020 00:00:00	☉	12°03'27" ♀	15°27'08"	00°00'00"	00°58'12"	1.008
02/05/2020 00:00:00	☾	26°43'00" ♀	16°37'54"	04°17'07"	14°03'17"	0.002
02/05/2020 00:00:00	♁	08°39'15" ♀	13°48'39"	-00°36'20"	02°07'07"	1.328
02/05/2020 00:00:00	♀	19°31'29" ♀	27°47'57" ○	04°47'28"	00°23'29"	0.422
02/05/2020 00:00:00	♂	22°19'23" ♀	-15°37'26"	-01°38'38"	00°41'21"	1.221
02/05/2020 00:00:00	♃	26°59'27" ♀	-20°53'18"	-00°08'01"	00°02'21"	4.829
02/05/2020 00:00:00	♄	01°53'20" ♀	-19°50'25"	-00°06'21"	00°00'53"	9.794
02/05/2020 00:00:00	♅	06°54'57" ♀	13°23'56"	-00°26'48"	00°03'26"	20.807
02/05/2020 00:00:00	♆	20°14'42" ♀	-04°49'01"	-01°02'11"	00°01'34"	30.543
02/05/2020 00:00:00	♇	24°58'58" ♀	-21°59'01"	-00°51'56"	-00°00'10"	33.721
02/05/2020 00:00:00	♁	00°15'13" ♀	23°26'10"	00°00'00"	-00°01'54"	0.003
02/05/2020 00:00:00	♂	07°27'31" ♀	05°26'05"	02°41'41"	00°03'01"	19.665
02/05/2020 00:00:00	☾	10°43'17" ♀	-00°26'05"	-05°04'59"	00°06'43"	0.003
02/05/2020 00:00:00	♁	00°15'13" ♀	23°26'10"	00°00'00"	-00°01'54"	0.003



Ephemerides year 2020

02/05/2020 00:00:00	T♄	05°17'14" ♈	09°18'37"	-04°12'36"	-01°15'57"	0.003
02/05/2020 00:00:00	X	24°04'25" ♏	-01°25'42"	-11°33'39"	00°00'37"	96.926
02/05/2020 00:00:00	Y	27°32'58" ♈	08°07'26"	-11°46'33"	00°00'46"	85.492
03/05/2020 00:00:00	☉	13°01'39" ♈	15°44'50"	00°00'00"	00°58'10"	1.008
03/05/2020 00:00:00	☾	10°58'02" ♎	11°56'07"	04°50'59"	14°26'28"	0.002
03/05/2020 00:00:00	♀	10°46'54" ♈	14°38'31"	-00°26'14"	02°08'08"	1.328
03/05/2020 00:00:00	♀	19°54'05" ♀	27°48'45" ♁	04°46'27"	00°21'41"	0.416
03/05/2020 00:00:00	♂	23°00'44" ♋	-15°25'11"	-01°40'02"	00°41'20"	1.214
03/05/2020 00:00:00	♃	27°01'43" ♉	-20°53'01"	-00°08'09"	00°02'10"	4.813
03/05/2020 00:00:00	♅	01°54'10" ♋	-19°50'19"	-00°06'26"	00°00'47"	9.777
03/05/2020 00:00:00	♁	06°58'23" ♈	13°25'04"	-00°26'48"	00°03'26"	20.805
03/05/2020 00:00:00	♆	20°16'16" ♏	-04°48'26"	-01°02'13"	00°01'32"	30.530
03/05/2020 00:00:00	♄	24°58'46" ♉	-21°59'10"	-00°52'04"	-00°00'12"	33.705
03/05/2020 00:00:00	♁	00°12'21" ♉	23°26'11"	00°00'00"	-00°03'50"	0.003
03/05/2020 00:00:00	♂	07°30'32" ♏	05°27'18"	02°41'42"	00°03'00"	19.655
03/05/2020 00:00:00	♁	10°50'00" ♏	-00°23'20"	-05°04'51"	00°06'43"	0.003
03/05/2020 00:00:00	T♄	00°12'21" ♉	23°26'11"	00°00'00"	-00°03'50"	0.003
03/05/2020 00:00:00	T♄	03°37'05" ♈	08°40'56"	-04°17'23"	-01°58'40"	0.003
03/05/2020 00:00:00	X	24°05'02" ♏	-01°25'29"	-11°33'40"	00°00'37"	96.920

Ephemerides year 2020

03/05/2020 00:00:00	Y	27°33'45" ♄	08°07'38"	-11°46'31"	00°00'46"	85.496
04/05/2020 00:00:00	☉	13°59'48" ♄	16°02'17"	00°00'00"	00°58'08"	1.008
04/05/2020 00:00:00	♃	25°34'55" ♃	06°27'04"	05°07'03"	14°46'28"	0.002
04/05/2020 00:00:00	♀	12°55'28" ♄	15°27'46"	-00°15'55"	02°08'58"	1.327
04/05/2020 00:00:00	♀	20°14'51" ♃	27°49'01"	04°45'07"	00°19'50"	0.409
04/05/2020 00:00:00	♂	23°42'04" ♃	-15°12'51"	-01°41'27"	00°41'18"	1.207
04/05/2020 00:00:00	♃	27°03'48" ♃	-20°52'45"	-00°08'18"	00°01'59"	4.798
04/05/2020 00:00:00	♃	01°54'55" ♃	-19°50'14"	-00°06'32"	00°00'41"	9.761
04/05/2020 00:00:00	♃	07°01'49" ♄	13°26'12"	-00°26'48"	00°03'25"	20.804
04/05/2020 00:00:00	♃	20°17'48" ♃	-04°47'52"	-01°02'15"	00°01'31"	30.517
04/05/2020 00:00:00	♃	24°58'33" ♃	-21°59'19"	-00°52'11"	-00°00'14"	33.690
04/05/2020 00:00:00	♃	00°07'38" ♃	23°26'11"	00°00'00"	-00°05'29"	0.003
04/05/2020 00:00:00	♃	07°33'31" ♃	05°28'30"	02°41'44"	00°02'58"	19.646
04/05/2020 00:00:00	♃	10°56'44" ♃	-00°20'36"	-05°04'42"	00°06'43"	0.003
04/05/2020 00:00:00	T♃	00°07'38" ♃	23°26'11"	00°00'00"	-00°05'29"	0.003
04/05/2020 00:00:00	T♃	01°31'13" ♄	07°53'02"	-04°23'07"	-02°08'00"	0.003
04/05/2020 00:00:00	X	24°05'40" ♃	-01°25'16"	-11°33'40"	00°00'37"	96.915
04/05/2020 00:00:00	Y	27°34'31" ♄	08°07'50"	-11°46'29"	00°00'46"	85.500
05/05/2020 00:00:00	☉	14°57'55" ♄	16°19'27"	00°00'00"	00°58'06"	1.009

Ephemerides year 2020

05/05/2020 00:00:00	♃	10°28'58" ♈	00°29'48"	05°02'57"	15°00'23"	0.002
05/05/2020 00:00:00	♆	15°04'48" ♄	16°16'13"	-00°05'28"	02°09'38"	1.324
05/05/2020 00:00:00	♀	20°33'45" ♀	27°48'45" ♁	04°43'26"	00°17'56"	0.403
05/05/2020 00:00:00	♂	24°23'21" ♂	-15°00'25"	-01°42'52"	00°41'16"	1.199
05/05/2020 00:00:00	♃	27°05'41" ♈	-20°52'32"	-00°08'27"	00°01'48"	4.782
05/05/2020 00:00:00	♃	01°55'34" ♈	-19°50'11"	-00°06'37"	00°00'35"	9.745
05/05/2020 00:00:00	♃	07°05'15" ♈	13°27'19"	-00°26'47"	00°03'25"	20.802
05/05/2020 00:00:00	♃	20°19'18" ♈	-04°47'19"	-01°02'18"	00°01'29"	30.503
05/05/2020 00:00:00	♃	24°58'17" ♈	-21°59'29"	-00°52'18"	-00°00'16"	33.674
05/05/2020 00:00:00	♁	00°01'35" ♁	23°26'11"	00°00'00"	-00°06'28"	0.003
05/05/2020 00:00:00	♃	07°36'29" ♈	05°29'41"	02°41'45"	00°02'56"	19.636
05/05/2020 00:00:00	♃	11°03'27" ♈	-00°17'51"	-05°04'33"	00°06'43"	0.003
05/05/2020 00:00:00	♁	00°01'35" ♁	23°26'11"	00°00'00"	-00°06'28"	0.003
05/05/2020 00:00:00	♃	29°28'24" ♈	07°05'45"	-04°28'25"	-01°55'36"	0.003
05/05/2020 00:00:00	X	24°06'17" ♈	-01°25'03"	-11°33'40"	00°00'37"	96.909
05/05/2020 00:00:00	Y	27°35'18" ♈	08°08'02"	-11°46'27"	00°00'46"	85.503
06/05/2020 00:00:00	♁	15°56'00" ♁	16°36'21"	00°00'00"	00°58'04"	1.009
06/05/2020 00:00:00	♃	25°32'50" ♈	-05°33'25"	04°38'03"	15°05'46"	0.002
06/05/2020 00:00:00	♆	17°14'40" ♄	17°03'41"	00°05'05"	02°10'03"	1.321

Ephemerides year 2020

06/05/2020 00:00:00	♀	20°50'42" ♀	27°47'56" ♀	04°41'24"	00°15'57"	0.396
06/05/2020 00:00:00	♂	25°04'37" ♂	-14°47'53"	-01°44'17"	00°41'15"	1.192
06/05/2020 00:00:00	♃	27°07'24" ♃	-20°52'21"	-00°08'36"	00°01'37"	4.767
06/05/2020 00:00:00	♅	01°56'06" ♅	-19°50'09"	-00°06'43"	00°00'30"	9.728
06/05/2020 00:00:00	♁	07°08'40" ♁	13°28'26"	-00°26'47"	00°03'25"	20.799
06/05/2020 00:00:00	♃	20°20'47" ♃	-04°46'46"	-01°02'20"	00°01'28"	30.489
06/05/2020 00:00:00	♁	24°58'01" ♁	-21°59'39"	-00°52'25"	-00°00'17"	33.659
06/05/2020 00:00:00	♁	29°54'57" ♁	23°26'11"	00°00'00"	-00°06'35"	0.003
06/05/2020 00:00:00	♃	07°39'25" ♃	05°30'52"	02°41'46"	00°02'55"	19.626
06/05/2020 00:00:00	♃	11°10'10" ♃	-00°15'06"	-05°04'25"	00°06'43"	0.003
06/05/2020 00:00:00	♁	29°54'57" ♁	23°26'11"	00°00'00"	-00°06'35"	0.003
06/05/2020 00:00:00	♃	27°40'34" ♃	06°23'43"	-04°32'55"	-01°41'21"	0.003
06/05/2020 00:00:00	X	24°06'54" X	-01°24'51"	-11°33'41"	00°00'36"	96.903
06/05/2020 00:00:00	Y	27°36'05" Y	08°08'14"	-11°46'25"	00°00'46"	85.506
07/05/2020 00:00:00	♁	16°54'04" ♁	16°52'59"	00°00'00"	00°58'02"	1.009
07/05/2020 00:00:00	♃	10°37'15" ♃	-11°18'07"	03°53'51"	15°01'24"	0.002
07/05/2020 00:00:00	♃	19°24'50" ♃	17°49'56"	00°15'40"	02°10'14"	1.316
07/05/2020 00:00:00	♀	21°05'40" ♀	27°46'35" ♀	04°38'59"	00°13'56"	0.390
07/05/2020 00:00:00	♂	25°45'52" ♂	-14°35'16"	-01°45'42"	00°41'13"	1.185

Ephemerides year 2020

07/05/2020 00:00:00	♃	27°08'56" ♁	-20°52'12"	-00°08'45"	00°01'25"	4.752
07/05/2020 00:00:00	♅	01°56'34" ♁	-19°50'08"	-00°06'48"	00°00'24"	9.712
07/05/2020 00:00:00	♅	07°12'05" ♁	13°29'33"	-00°26'47"	00°03'24"	20.797
07/05/2020 00:00:00	♆	20°22'14" ♃	-04°46'13"	-01°02'22"	00°01'26"	30.475
07/05/2020 00:00:00	♁	24°57'42" ♁	-21°59'49"	-00°52'32"	-00°00'19"	33.644
07/05/2020 00:00:00	♄	29°48'42" ♃	23°26'11"	00°00'00"	-00°05'46"	0.003
07/05/2020 00:00:00	♆	07°42'20" ♃	05°32'02"	02°41'48"	00°02'53"	19.616
07/05/2020 00:00:00	♁	11°16'53" ♃	-00°12'21"	-05°04'16"	00°06'43"	0.003
07/05/2020 00:00:00	♄♁	29°48'42" ♃	23°26'11"	00°00'00"	-00°05'46"	0.003
07/05/2020 00:00:00	♄♁	26°00'58" ♃	05°44'27"	-04°37'02"	-01°40'53"	0.003
07/05/2020 00:00:00	X	24°07'31" ♃	-01°24'38"	-11°33'42"	00°00'36"	96.897
07/05/2020 00:00:00	Y	27°36'52" ♁	08°08'26"	-11°46'23"	00°00'47"	85.509
08/05/2020 00:00:00	♁	17°52'06" ♁	17°09'19"	00°00'00"	00°58'01"	1.009
08/05/2020 00:00:00	♃	25°32'32" ♃	-16°19'34"	02°54'00"	14°47'44"	0.002
08/05/2020 00:00:00	♁	21°35'03" ♁	18°34'46"	00°26'13"	02°10'08"	1.309
08/05/2020 00:00:00	♁	21°18'33" ♃	27°44'41" ♁	04°36'11"	00°11'50"	0.384
08/05/2020 00:00:00	♁	26°27'05" ♁	-14°22'34"	-01°47'08"	00°41'11"	1.177
08/05/2020 00:00:00	♃	27°10'16" ♁	-20°52'05"	-00°08'54"	00°01'14"	4.737
08/05/2020 00:00:00	♅	01°56'55" ♁	-19°50'09"	-00°06'54"	00°00'18"	9.696

Ephemerides year 2020

08/05/2020 00:00:00	♃	07°15'30" ♉	13°30'40"	-00°26'47"	00°03'24"	20.794
08/05/2020 00:00:00	♃	20°23'40" ♉	-04°45'42"	-01°02'24"	00°01'25"	30.461
08/05/2020 00:00:00	♃	24°57'22" ♉	-22°00'00"	-00°52'39"	-00°00'20"	33.629
08/05/2020 00:00:00	♃	29°43'39" ♉	23°26'10"	00°00'00"	-00°04'14"	0.003
08/05/2020 00:00:00	♃	07°45'12" ♉	05°33'12"	02°41'49"	00°02'51"	19.605
08/05/2020 00:00:00	♃	11°23'37" ♉	-00°09'36"	-05°04'07"	00°06'43"	0.003
08/05/2020 00:00:00	♃	29°43'39" ♉	23°26'10"	00°00'00"	-00°04'14"	0.003
08/05/2020 00:00:00	♃	24°12'29" ♉	05°01'13"	-04°41'27"	-01°58'54"	0.003
08/05/2020 00:00:00	X	24°08'07" ♉	-01°24'26"	-11°33'43"	00°00'36"	96.890
08/05/2020 00:00:00	Y	27°37'39" ♉	08°08'37"	-11°46'21"	00°00'47"	85.511
09/05/2020 00:00:00	♃	18°50'07" ♉	17°25'22"	00°00'00"	00°57'59"	1.010
09/05/2020 00:00:00	♃	10°10'14" ♉	-20°15'45"	01°43'38"	14°26'39"	0.002
09/05/2020 00:00:00	♃	23°45'02" ♉	19°17'59"	00°36'38"	02°09'46"	1.301
09/05/2020 00:00:00	♃	21°29'20" ♉	27°42'12" ○	04°32'59"	00°09'42"	0.377
09/05/2020 00:00:00	♃	27°08'16" ♉	-14°09'46"	-01°48'33"	00°41'10"	1.170
09/05/2020 00:00:00	♃	27°11'25" ♉	-20°52'01"	-00°09'04"	00°01'03"	4.722
09/05/2020 00:00:00	♃	01°57'11" ♉	-19°50'11"	-00°07'00"	00°00'12"	9.680
09/05/2020 00:00:00	♃	07°18'54" ♉	13°31'47"	-00°26'46"	00°03'24"	20.791
09/05/2020 00:00:00	♃	20°25'05" ♉	-04°45'10"	-01°02'27"	00°01'23"	30.447

Ephemerides year 2020

09/05/2020 00:00:00	♁	24°57'00" ♄	-22°00'10"	-00°52'46"	-00°00'22"	33.614
09/05/2020 00:00:00	♁	29°40'19" ♄	23°26'10"	00°00'00"	-00°02'22"	0.003
09/05/2020 00:00:00	♁	07°48'03" ♄	05°34'21"	02°41'51"	00°02'50"	19.595
09/05/2020 00:00:00	♁	11°30'20" ♄	-00°06'51"	-05°03'57"	00°06'43"	0.003
09/05/2020 00:00:00	♁	29°40'19" ♄	23°26'10"	00°00'00"	-00°02'22"	0.003
09/05/2020 00:00:00	♁	21°59'09" ♄	04°07'38"	-04°46'37"	-02°28'37"	0.003
09/05/2020 00:00:00	X	24°08'44" ♄	-01°24'14"	-11°33'43"	00°00'36"	96.883
09/05/2020 00:00:00	Y	27°38'27" ♄	08°08'49"	-11°46'19"	00°00'47"	85.513
10/05/2020 00:00:00	♁	19°48'06" ♄	17°41'08"	00°00'00"	00°57'58"	1.010
10/05/2020 00:00:00	♁	24°24'19" ♄	-22°50'41"	00°28'25"	14°00'59"	0.002
10/05/2020 00:00:00	♁	25°54'31" ♄	19°59'24"	00°46'52"	02°09'07"	1.292
10/05/2020 00:00:00	♁	21°37'57" ♄	27°39'10"	04°29'22"	00°07'30"	0.371
10/05/2020 00:00:00	♁	27°49'25" ♄	-13°56'54"	-01°50'00"	00°41'08"	1.163
10/05/2020 00:00:00	♁	27°12'23" ♄	-20°51'58"	-00°09'13"	00°00'52"	4.707
10/05/2020 00:00:00	♁	01°57'20" ♄	-19°50'14"	-00°07'05"	00°00'06"	9.664
10/05/2020 00:00:00	♁	07°22'18" ♄	13°32'53"	-00°26'46"	00°03'23"	20.787
10/05/2020 00:00:00	♁	20°26'28" ♄	-04°44'40"	-01°02'29"	00°01'22"	30.433
10/05/2020 00:00:00	♁	24°56'37" ♄	-22°00'22"	-00°52'53"	-00°00'24"	33.599
10/05/2020 00:00:00	♁	29°38'52" ♄	23°26'09"	00°00'00"	-00°00'34"	0.003

Ephemerides year 2020

10/05/2020 00:00:00	♄	07°50'52" ♀	05°35'30"	02°41'53"	00°02'48"	19.584
10/05/2020 00:00:00	♁	11°37'03" ♀	-00°04'06"	-05°03'48"	00°06'43"	0.003
10/05/2020 00:00:00	♄♁	29°38'52" ♀♁	23°26'09"	00°00'00"	-00°00'34"	0.003
10/05/2020 00:00:00	♄♁	19°16'22" ♀♁	03°01'50"	-04°52'21"	-02°54'54"	0.003
10/05/2020 00:00:00	X	24°09'20" ♀	-01°24'02"	-11°33'44"	00°00'36"	96.876
10/05/2020 00:00:00	Y	27°39'14" ♂	08°09'00"	-11°46'18"	00°00'47"	85.515
11/05/2020 00:00:00	♁	20°46'03" ♂	17°56'36"	00°00'00"	00°57'56"	1.010
11/05/2020 00:00:00	♃	08°11'41" ♂	-23°57'12"	♁-00°46'18"	13°33'42"	0.003
11/05/2020 00:00:00	♁	28°03'11" ♂	20°38'50"	00°56'50"	02°08'10"	1.281
11/05/2020 00:00:00	♁	21°44'21" ♀	27°35'32"	♁ 04°25'19"	00°05'16"	0.366
11/05/2020 00:00:00	♁	28°30'32" ♀	-13°43'57"	-01°51'26"	00°41'06"	1.156
11/05/2020 00:00:00	♁	27°13'10" ♂	-20°51'58"	-00°09'22"	00°00'41"	4.692
11/05/2020 00:00:00	♁	01°57'24" ♀	-19°50'19"	-00°07'11"	00°00'01"	9.648
11/05/2020 00:00:00	♁	07°25'41" ♂	13°33'59"	-00°26'46"	00°03'23"	20.784
11/05/2020 00:00:00	♁	20°27'49" ♀	-04°44'10"	-01°02'31"	00°01'20"	30.418
11/05/2020 00:00:00	♁	24°56'12" ♂	-22°00'33"	-00°53'00"	-00°00'25"	33.584
11/05/2020 00:00:00	♁	29°39'01" ♀	23°26'09"	00°00'00"	00°00'47"	0.003
11/05/2020 00:00:00	♄	07°53'40" ♀	05°36'38"	02°41'55"	00°02'46"	19.573
11/05/2020 00:00:00	♁	11°43'47" ♀	-00°01'21"	-05°03'39"	00°06'43"	0.003



Ephemerides year 2020

11/05/2020 00:00:00	T♄	29°39'01" ♀	23°26'09"	00°00'00"	00°00'47"	0.003
11/05/2020 00:00:00	T♄	16°15'53" ♀	01°48'32"	-04°57'54"	-03°01'49"	0.003
11/05/2020 00:00:00	X	24°09'56" ♀	-01°23'50"	-11°33'46"	00°00'35"	96.869
11/05/2020 00:00:00	Y	27°40'02" ♂	08°09'11"	-11°46'17"	00°00'47"	85.517
12/05/2020 00:00:00	♁	21°44'00" ♂	18°11'47"	00°00'00"	00°57'55"	1.010
12/05/2020 00:00:00	♂	21°32'02" ♀	-23°37'32"	♁-01°56'10"	13°07'20"	0.003
12/05/2020 00:00:00	♀	00°10'46" ♀	21°16'06"	01°06'27"	02°06'56"	1.269
12/05/2020 00:00:00	♀	21°48'29" ♀	27°31'18"	♁ 04°20'49"	00°02'59"	0.360
12/05/2020 00:00:00	♂	29°11'37" ♀	-13°30'55"	-01°52'53"	00°41'03"	1.149
12/05/2020 00:00:00	♃	27°13'46" ♀	-20°52'00"	-00°09'31"	00°00'29"	4.678
12/05/2020 00:00:00	♃	01°57'22" ♀	-19°50'25"	-00°07'16"	-00°00'04"	9.633
12/05/2020 00:00:00	♃	07°29'04" ♂	13°35'05"	-00°26'46"	00°03'22"	20.780
12/05/2020 00:00:00	♃	20°29'09" ♀	-04°43'41"	-01°02'34"	00°01'18"	30.404
12/05/2020 00:00:00	♃	24°55'46" ♀	-22°00'45"	-00°53'07"	-00°00'27"	33.570
12/05/2020 00:00:00	♁	29°40'14" ♀	23°26'10"	00°00'00"	00°01'29"	0.003
12/05/2020 00:00:00	♃	07°56'25" ♀	05°37'45"	02°41'57"	00°02'44"	19.561
12/05/2020 00:00:00	♃	11°50'30" ♀	00°01'24"	-05°03'29"	00°06'43"	0.003
12/05/2020 00:00:00	T♄	29°40'14" ♀	23°26'10"	00°00'00"	00°01'29"	0.003
12/05/2020 00:00:00	T♄	13°21'46" ♀	00°37'39"	-05°02'25"	-02°42'05"	0.003

Ephemerides year 2020

12/05/2020 00:00:00	X	24°10'32" ♃	-01°23'39"	-11°33'47"	00°00'35"	96.861
12/05/2020 00:00:00	Y	27°40'50" ♄	08°09'23"	-11°46'15"	00°00'47"	85.518
13/05/2020 00:00:00	☉	22°41'55" ♄	18°26'38"	-00°00'00"	00°57'54"	1.010
13/05/2020 00:00:00	☾	04°27'18" ♁	-22°01'23"	-02°57'55"	12°43'47"	0.003
13/05/2020 00:00:00	♀	02°16'59" ♀	21°51'05"	01°15'39"	02°05'26"	1.256
13/05/2020 00:00:00	♀	21°50'18" ♀	27°26'28" ○	04°15'51"	00°00'39"	0.354
13/05/2020 00:00:00	♂	29°52'40" ♁	-13°17'49"	-01°54'20"	00°41'01"	1.141
13/05/2020 00:00:00	♃	27°14'10" ♄	-20°52'05"	-00°09'41"	00°00'18"	4.663
13/05/2020 00:00:00	♅	01°57'15" ♁	-19°50'32"	-00°07'22"	-00°00'10"	9.617
13/05/2020 00:00:00	♁	07°32'26" ♄	13°36'11"	-00°26'46"	00°03'21"	20.776
13/05/2020 00:00:00	♃	20°30'27" ♄	-04°43'12"	-01°02'36"	00°01'17"	30.389
13/05/2020 00:00:00	♁	24°55'18" ♄	-22°00'57"	-00°53'14"	-00°00'28"	33.555
13/05/2020 00:00:00	♁	29°41'45" ♀	23°26'10"	00°00'00"	00°01'26"	0.003
13/05/2020 00:00:00	♁	07°59'09" ♃	05°38'52"	02°41'59"	00°02'42"	19.550
13/05/2020 00:00:00	♁	11°57'14" ♃	00°04'09"	-05°03'19"	00°06'43"	0.003
13/05/2020 00:00:00	T♁	29°41'45" ♀	23°26'10"	00°00'00"	00°01'26"	0.003
13/05/2020 00:00:00	T♁	10°58'47" ♃	-00°20'32"	-05°05'30"	-02°01'23"	0.003
13/05/2020 00:00:00	X	24°11'07" ♃	-01°23'27"	-11°33'48"	00°00'35"	96.853
13/05/2020 00:00:00	Y	27°41'37" ♄	08°09'34"	-11°46'14"	00°00'47"	85.519

Ephemerides year 2020

14/05/2020 00:00:00	☉	23°39'48" ♉	18°41'12"	-00°00'00"	00°57'52"	1.011
14/05/2020 00:00:00	☾	17°00'57" ♋	-19°22'23"	-03°49'17"	12°24'13"	0.003
14/05/2020 00:00:00	♀	04°21'34" ♉	22°23'39"	01°24'22"	02°03'40"	1.241
14/05/2020 00:00:00	♀	21°49'47" ♉r	27°21'00" o	04°10'25"	-00°01'41"	0.349
14/05/2020 00:00:00	♂	00°33'40" ♋	-13°04'39"	-01°55'48"	00°40'58"	1.134
14/05/2020 00:00:00	♃	27°14'23" ♉	-20°52'12"	-00°09'50"	00°00'06"	4.649
14/05/2020 00:00:00	♄	01°57'01" ♋	-19°50'41"	-00°07'28"	-00°00'16"	9.601
14/05/2020 00:00:00	♅	07°35'47" ♉	13°37'16"	-00°26'46"	00°03'21"	20.771
14/05/2020 00:00:00	♆	20°31'43" ♋	-04°42'44"	-01°02'38"	00°01'15"	30.374
14/05/2020 00:00:00	♇	24°54'48" ♉r	-22°01'09"	-00°53'21"	-00°00'30"	33.541
14/05/2020 00:00:00	♈	29°42'52" ♉	23°26'10"	00°00'00"	00°00'41"	0.003
14/05/2020 00:00:00	♉	08°01'51" ♋	05°39'58"	02°42'01"	00°02'40"	19.538
14/05/2020 00:00:00	♊	12°03'57" ♋	00°06'55"	-05°03'09"	00°06'43"	0.003
14/05/2020 00:00:00	T♈	29°42'52" ♉	23°26'10"	00°00'00"	00°00'41"	0.003
14/05/2020 00:00:00	T♊	09°21'31" ♋r	-01°00'03"	-05°07'13"	-01°13'00"	0.003
14/05/2020 00:00:00	X	24°11'42" ♋	-01°23'16"	-11°33'50"	00°00'34"	96.845
14/05/2020 00:00:00	Y	27°42'25" ♉	08°09'45"	-11°46'13"	00°00'47"	85.520
15/05/2020 00:00:00	☉	24°37'41" ♉	18°55'26"	-00°00'00"	00°57'51"	1.011
15/05/2020 00:00:00	☾	29°17'18" ♋	-15°54'51"	-04°28'53"	12°09'13"	0.003

Ephemerides year 2020

15/05/2020 00:00:00	♀	06°24'15" ♀	22°53'43"	01°32'34"	02°01'40"	1.225
15/05/2020 00:00:00	♀	21°46'54" ♀	27°14'54" ♀	04°04'29"	-00°04'05"	0.344
15/05/2020 00:00:00	♂	01°14'38" ♂	-12°51'25"	-01°57'15"	00°40'56"	1.127
15/05/2020 00:00:00	♃	27°14'24" ♃	-20°52'21"	-00°09'59"	-00°00'04"	4.635
15/05/2020 00:00:00	♄	01°56'41" ♄	-19°50'50"	-00°07'33"	-00°00'22"	9.586
15/05/2020 00:00:00	♅	07°39'08" ♅	13°38'21"	-00°26'46"	00°03'20"	20.766
15/05/2020 00:00:00	♆	20°32'58" ♆	-04°42'17"	-01°02'41"	00°01'13"	30.359
15/05/2020 00:00:00	♇	24°54'16" ♇	-22°01'22"	-00°53'28"	-00°00'32"	33.527
15/05/2020 00:00:00	♈	29°42'58" ♀	23°26'10"	00°00'00"	-00°00'33"	0.003
15/05/2020 00:00:00	♉	08°04'30" ♀	05°41'03"	02°42'03"	00°02'38"	19.526
15/05/2020 00:00:00	♊	12°10'40" ♀	00°09'40"	-05°02'59"	00°06'43"	0.003
15/05/2020 00:00:00	T♈	29°42'58" ♀	23°26'10"	00°00'00"	-00°00'33"	0.003
15/05/2020 00:00:00	T♉	08°31'05" ♀	-01°20'28"	-05°07'58"	-00°29'27"	0.003
15/05/2020 00:00:00	X	24°12'17" ♀	-01°23'05"	-11°33'51"	00°00'34"	96.837
15/05/2020 00:00:00	Y	27°43'13" ♀	08°09'56"	-11°46'13"	00°00'47"	85.520
16/05/2020 00:00:00	☉	25°35'32" ♀	19°09'22"	-00°00'00"	00°57'50"	1.011
16/05/2020 00:00:00	☾	11°20'59" ♂	-11°51'46"	-04°55'48"	11°58'54"	0.003
16/05/2020 00:00:00	♀	08°24'50" ♀	23°21'13"	01°40'09"	01°59'27"	1.209
16/05/2020 00:00:00	♀	21°41'37" ♀	27°08'09" ♀	03°58'04"	-00°06'29"	0.339

Ephemerides year 2020

16/05/2020 00:00:00	♂	01°55'32" ♈	-12°38'07"	-01°58'43"	00°40'53"	1.120
16/05/2020 00:00:00	♃	27°14'14" ♈	-20°52'32"	-00°10'09"	-00°00'15"	4.620
16/05/2020 00:00:00	♃	01°56'16" ♈	-19°51'02"	-00°07'39"	-00°00'28"	9.571
16/05/2020 00:00:00	♃	07°42'28" ♈	13°39'26"	-00°26'46"	00°03'19"	20.762
16/05/2020 00:00:00	♃	20°34'11" ♈	-04°41'51"	-01°02'43"	00°01'12"	30.344
16/05/2020 00:00:00	♃	24°53'43" ♈	-22°01'34"	-00°53'35"	-00°00'33"	33.513
16/05/2020 00:00:00	♁	29°41'41" ♉	23°26'10"	00°00'00"	-00°02'01"	0.003
16/05/2020 00:00:00	♃	08°07'08" ♈	05°42'07"	02°42'06"	00°02'36"	19.514
16/05/2020 00:00:00	♃	12°17'23" ♈	00°12'26"	-05°02'49"	00°06'43"	0.003
16/05/2020 00:00:00	♁	29°41'41" ♉	23°26'10"	00°00'00"	-00°02'01"	0.003
16/05/2020 00:00:00	♃	08°18'25" ♈	-01°25'32"	-05°08'04"	00°01'43"	0.003
16/05/2020 00:00:00	X	24°12'51" ♈	-01°22'55"	-11°33'53"	00°00'34"	96.828
16/05/2020 00:00:00	Y	27°44'01" ♈	08°10'06"	-11°46'12"	00°00'47"	85.521
17/05/2020 00:00:00	♁	26°33'22" ♈	19°22'57"	-00°00'00"	00°57'49"	1.011
17/05/2020 00:00:00	♃	23°16'36" ♈	-07°24'20"	-05°09'36"	11°53'02"	0.003
17/05/2020 00:00:00	♃	10°23'07" ♈	23°46'08"	01°47'06"	01°57'03"	1.191
17/05/2020 00:00:00	♀	21°33'55" ♉	27°00'44"	03°51'07"	-00°08'54"	0.334
17/05/2020 00:00:00	♂	02°36'24" ♈	-12°24'46"	-02°00'11"	00°40'50"	1.113
17/05/2020 00:00:00	♃	27°13'52" ♈	-20°52'46"	-00°10'18"	-00°00'27"	4.606

Ephemerides year 2020

17/05/2020 00:00:00	♃	01°55'45" ♊	-19°51'14"	-00°07'45"	-00°00'34"	9.555
17/05/2020 00:00:00	♃	07°45'47" ♊	13°40'31"	-00°26'46"	00°03'18"	20.756
17/05/2020 00:00:00	♃	20°35'22" ♊	-04°41'25"	-01°02'46"	00°01'10"	30.328
17/05/2020 00:00:00	♃	24°53'09" ♊	-22°01'48"	-00°53'42"	-00°00'35"	33.499
17/05/2020 00:00:00	♃	29°38'55" ♊	23°26'09"	00°00'00"	-00°03'28"	0.003
17/05/2020 00:00:00	♃	08°09'43" ♊	05°43'11"	02°42'08"	00°02'34"	19.502
17/05/2020 00:00:00	♃	12°24'07" ♊	00°15'11"	-05°02'38"	00°06'43"	0.003
17/05/2020 00:00:00	♃	29°38'55" ♊	23°26'09"	00°00'00"	-00°03'28"	0.003
17/05/2020 00:00:00	♃	08°29'36" ♊	-01°20'55"	-05°07'49"	00°18'16"	0.003
17/05/2020 00:00:00	X	24°13'25" ♊	-01°22'44"	-11°33'55"	00°00'33"	96.820
17/05/2020 00:00:00	Y	27°44'49" ♊	08°10'17"	-11°46'11"	00°00'47"	85.521
18/05/2020 00:00:00	♃	27°31'10" ♊	19°36'14"	-00°00'00"	00°57'48"	1.012
18/05/2020 00:00:00	♃	05°08'24" ♊	-02°42'08"	-05°10'03"	11°51'11"	0.003
18/05/2020 00:00:00	♃	12°18'54" ♊	24°08'27" ♋	01°53'21"	01°54'30"	1.173
18/05/2020 00:00:00	♃	21°23'47" ♊	26°52'38" ♋	03°43'40"	-00°11'19"	0.329
18/05/2020 00:00:00	♃	03°17'13" ♊	-12°11'21"	-02°01'39"	00°40'47"	1.106
18/05/2020 00:00:00	♃	27°13'19" ♊	-20°53'01"	-00°10'28"	-00°00'38"	4.592
18/05/2020 00:00:00	♃	01°55'07" ♊	-19°51'28"	-00°07'51"	-00°00'40"	9.540
18/05/2020 00:00:00	♃	07°49'05" ♊	13°41'35"	-00°26'46"	00°03'17"	20.751

Ephemerides year 2020

18/05/2020 00:00:00	♁	20°36'31" ♈	-04°41'00"	-01°02'48"	00°01'08"	30.313
18/05/2020 00:00:00	♁	24°52'32" ♈	-22°02'01"	-00°53'49"	-00°00'37"	33.485
18/05/2020 00:00:00	♁	29°34'51" ♈	23°26'09"	00°00'00"	-00°04'36"	0.003
18/05/2020 00:00:00	♁	08°12'16" ♈	05°44'14"	02°42'11"	00°02'32"	19.490
18/05/2020 00:00:00	♁	12°30'50" ♈	00°17'57"	-05°02'28"	00°06'43"	0.003
18/05/2020 00:00:00	♁	29°34'51" ♈	23°26'09"	00°00'00"	-00°04'36"	0.003
18/05/2020 00:00:00	♁	08°50'44" ♈	-01°12'19"	-05°07'28"	00°22'16"	0.003
18/05/2020 00:00:00	X	24°13'59" ♈	-01°22'34"	-11°33'56"	00°00'33"	96.811
18/05/2020 00:00:00	Y	27°45'37" ♈	08°10'27"	-11°46'11"	00°00'47"	85.520
19/05/2020 00:00:00	♁	28°28'58" ♈	19°49'10"	-00°00'00"	00°57'46"	1.012
19/05/2020 00:00:00	♁	17°00'09" ♈	02°05'57"	-04°57'15"	11°52'48"	0.003
19/05/2020 00:00:00	♁	14°12'04" ♈	24°28'09" ○	01°58'54"	01°51'48"	1.154
19/05/2020 00:00:00	♁	21°11'15" ♈	26°43'49" ○	03°35'41"	-00°13'44"	0.325
19/05/2020 00:00:00	♁	03°57'58" ♈	-11°57'53"	-02°03'08"	00°40'43"	1.099
19/05/2020 00:00:00	♁	27°12'34" ♈	-20°53'19"	-00°10'37"	-00°00'50"	4.579
19/05/2020 00:00:00	♁	01°54'25" ♈	-19°51'43"	-00°07'56"	-00°00'45"	9.525
19/05/2020 00:00:00	♁	07°52'22" ♈	13°42'38"	-00°26'46"	00°03'16"	20.745
19/05/2020 00:00:00	♁	20°37'39" ♈	-04°40'36"	-01°02'50"	00°01'06"	30.297
19/05/2020 00:00:00	♁	24°51'54" ♈	-22°02'15"	-00°53'56"	-00°00'38"	33.471

Ephemerides year 2020

19/05/2020 00:00:00	♏	29°29'53" ♀	23°26'08"	00°00'00"	-00°05'14"	0.003
19/05/2020 00:00:00	♋	08°14'48" ♀	05°45'16"	02°42'14"	00°02'30"	19.477
19/05/2020 00:00:00	♌	12°37'33" ♀	00°20'43"	-05°02'17"	00°06'43"	0.003
19/05/2020 00:00:00	♏	29°29'53" ♀	23°26'08"	00°00'00"	-00°05'14"	0.003
19/05/2020 00:00:00	♌	09°11'59" ♀	-01°03'43"	-05°07'10"	00°19'55"	0.003
19/05/2020 00:00:00	X	24°14'32" ♀	-01°22'24"	-11°33'58"	00°00'33"	96.801
19/05/2020 00:00:00	Y	27°46'25" ♂	08°10'37"	-11°46'11"	00°00'47"	85.520
20/05/2020 00:00:00	♏	29°26'44" ♂	20°01'46"	-00°00'00"	00°57'45"	1.012
20/05/2020 00:00:00	♎	28°54'59" ♀	06°51'09"	-04°31'33"	11°57'16"	0.003
20/05/2020 00:00:00	♌	16°02'29" ♀	24°45'19" ♀	02°03'41"	01°49'00"	1.135
20/05/2020 00:00:00	♌	20°56'20" ♀	26°34'18" ♀	03°27'11"	-00°16'06"	0.321
20/05/2020 00:00:00	♈	04°38'40" ♀	-11°44'21"	-02°04'36"	00°40'40"	1.092
20/05/2020 00:00:00	♈	27°11'38" ♂	-20°53'40"	-00°10'47"	-00°01'01"	4.565
20/05/2020 00:00:00	♈	01°53'36" ♀	-19°52'00"	-00°08'02"	-00°00'51"	9.510
20/05/2020 00:00:00	♌	07°55'39" ♂	13°43'42"	-00°26'46"	00°03'16"	20.739
20/05/2020 00:00:00	♌	20°38'45" ♀	-04°40'12"	-01°02'53"	00°01'05"	30.282
20/05/2020 00:00:00	♌	24°51'15" ♂	-22°02'29"	-00°54'03"	-00°00'40"	33.458
20/05/2020 00:00:00	♏	29°24'33" ♀	23°26'06"	00°00'00"	-00°05'18"	0.003
20/05/2020 00:00:00	♋	08°17'17" ♀	05°46'18"	02°42'16"	00°02'27"	19.464



Ephemerides year 2020

20/05/2020 00:00:00	☾	12°44'16" ♀	00°23'29"	-05°02'06"	00°06'43"	0.003
20/05/2020 00:00:00	♄	29°24'33" ♀	23°26'06"	00°00'00"	-00°05'18"	0.003
20/05/2020 00:00:00	♃	09°31'49" ♀	-00°55'48"	-05°06'59"	00°21'22"	0.003
20/05/2020 00:00:00	X	24°15'05" ♀	-01°22'14"	-11°34'01"	00°00'32"	96.792
20/05/2020 00:00:00	Y	27°47'12" ♂	08°10'48"	-11°46'11"	00°00'47"	85.519
21/05/2020 00:00:00	☉	00°24'29" ♀	20°14'02"	-00°00'00"	00°57'44"	1.012
21/05/2020 00:00:00	☾	10°55'27" ♂	11°23'50"	-03°53'42"	12°03'59"	0.003
21/05/2020 00:00:00	♁	17°50'02" ♀	24°59'57"	02°07'42"	01°46'05"	1.115
21/05/2020 00:00:00	♂	20°39'02" ♀	26°24'04"	03°18'09"	-00°18'27"	0.317
21/05/2020 00:00:00	♂	05°19'19" ♀	-11°30'47"	-02°06'05"	00°40'36"	1.085
21/05/2020 00:00:00	♃	27°10'31" ♂	-20°54'02"	-00°10'57"	-00°01'13"	4.551
21/05/2020 00:00:00	♃	01°52'41" ♂	-19°52'17"	-00°08'08"	-00°00'57"	9.496
21/05/2020 00:00:00	♃	07°58'55" ♂	13°44'45"	-00°26'46"	00°03'15"	20.733
21/05/2020 00:00:00	♃	20°39'49" ♀	-04°39'49"	-01°02'55"	00°01'03"	30.266
21/05/2020 00:00:00	♃	24°50'34" ♂	-22°02'43"	-00°54'10"	-00°00'41"	33.444
21/05/2020 00:00:00	♄	29°19'28" ♀	23°26'05"	00°00'00"	-00°04'47"	0.003
21/05/2020 00:00:00	♃	08°19'44" ♀	05°47'18"	02°42'19"	00°02'25"	19.452
21/05/2020 00:00:00	☾	12°50'59" ♀	00°26'15"	-05°01'55"	00°06'43"	0.003
21/05/2020 00:00:00	♄	29°19'28" ♀	23°26'05"	00°00'00"	-00°04'47"	0.003

Ephemerides year 2020

21/05/2020 00:00:00	T♄	10°00'07" ♀	-00°44'33"	-05°06'46"	00°38'51"	0.003
21/05/2020 00:00:00	X	24°15'38" ♀	-01°22'05"	-11°34'03"	00°00'32"	96.782
21/05/2020 00:00:00	Y	27°48'00" ♂	08°10'57"	-11°46'11"	00°00'47"	85.517
22/05/2020 00:00:00	☉	01°22'13" ♀	20°25'56"	-00°00'00"	00°57'43"	1.012
22/05/2020 00:00:00	☾	23°03'32" ♂	15°33'05"	-03°04'54"	12°12'25"	0.003
22/05/2020 00:00:00	♀	19°34'39" ♀	25°12'10" ○	02°10'56"	01°43'07"	1.095
22/05/2020 00:00:00	♀	20°19'26" ♀	26°13'06" ○	03°08'35"	-00°20'44"	0.313
22/05/2020 00:00:00	♂	05°59'54" ♀	-11°17'10"	-02°07'34"	00°40'33"	1.078
22/05/2020 00:00:00	♃	27°09'12" ♂	-20°54'27"	-00°11'06"	-00°01'24"	4.538
22/05/2020 00:00:00	♅	01°51'41" ♀	-19°52'36"	-00°08'13"	-00°01'02"	9.481
22/05/2020 00:00:00	♁	08°02'09" ♂	13°45'48"	-00°26'46"	00°03'14"	20.726
22/05/2020 00:00:00	♃	20°40'52" ♀	-04°39'27"	-01°02'58"	00°01'01"	30.250
22/05/2020 00:00:00	♁	24°49'52" ♂	-22°02'57"	-00°54'17"	-00°00'42"	33.431
22/05/2020 00:00:00	♁	29°15'09" ♀	23°26'03"	00°00'00"	-00°03'47"	0.003
22/05/2020 00:00:00	♃	08°22'08" ♀	05°48'18"	02°42'22"	00°02'23"	19.438
22/05/2020 00:00:00	♄	12°57'43" ♀	00°29'01"	-05°01'44"	00°06'43"	0.003
22/05/2020 00:00:00	T♁	29°15'09" ♀	23°26'03"	00°00'00"	-00°03'47"	0.003
22/05/2020 00:00:00	T♄	10°57'55" ♀	-00°21'25"	-05°06'06"	01°21'06"	0.003
22/05/2020 00:00:00	X	24°16'10" ♀	-01°21'55"	-11°34'05"	00°00'32"	96.772

Ephemerides year 2020

22/05/2020 00:00:00	Y	27°48'48" ♃	08°11'07"	-11°46'11"	00°00'47"	85.516
23/05/2020 00:00:00	☉	02°19'55" ♈	20°37'30"	-00°00'00"	00°57'41"	1.013
23/05/2020 00:00:00	☾	05°20'44" ♈	19°06'32"	-02°06'54"	12°22'10"	0.003
23/05/2020 00:00:00	♀	21°16'16" ♈	25°22'00" ○	02°13'21"	01°40'04"	1.074
23/05/2020 00:00:00	♀	19°57'35" ♈r	26°01'23" ○	02°58'30"	-00°22'57"	0.309
23/05/2020 00:00:00	♂	06°40'25" ♉	-11°03'31"	-02°09'03"	00°40'29"	1.071
23/05/2020 00:00:00	♋	27°07'42" ♌r	-20°54'54"	-00°11'16"	-00°01'35"	4.525
23/05/2020 00:00:00	♄	01°50'36" ♌r	-19°52'57"	-00°08'19"	-00°01'08"	9.466
23/05/2020 00:00:00	♅	08°05'23" ♌	13°46'50"	-00°26'46"	00°03'13"	20.720
23/05/2020 00:00:00	♆	20°41'52" ♌	-04°39'05"	-01°03'00"	00°00'59"	30.234
23/05/2020 00:00:00	♁	24°49'09" ♌r	-22°03'12"	-00°54'24"	-00°00'44"	33.418
23/05/2020 00:00:00	♁	29°11'59" ♌r	23°26'02"	00°00'00"	-00°02'29"	0.003
23/05/2020 00:00:00	♂	08°24'31" ♍	05°49'17"	02°42'25"	00°02'21"	19.425
23/05/2020 00:00:00	♁	13°04'26" ♍	00°31'47"	-05°01'33"	00°06'43"	0.003
23/05/2020 00:00:00	T♁	29°11'59" ♌r	23°26'02"	00°00'00"	-00°02'29"	0.003
23/05/2020 00:00:00	T♁	12°50'16" ♍	00°23'47"	-05°04'17"	02°26'42"	0.003
23/05/2020 00:00:00	X	24°16'42" ♍	-01°21'46"	-11°34'07"	00°00'31"	96.762
23/05/2020 00:00:00	Y	27°49'36" ♃	08°11'17"	-11°46'11"	00°00'47"	85.514
24/05/2020 00:00:00	☉	03°17'37" ♈	20°48'43"	00°00'00"	00°57'40"	1.013

Ephemerides year 2020

24/05/2020 00:00:00	♃	17°48'15" ♀	21°50'55"	-01°01'57"	12°33'02"	0.003
24/05/2020 00:00:00	♃	22°54'47" ♀	25°29'34" ♀	02°14'57"	01°36'58"	1.054
24/05/2020 00:00:00	♃	19°33'32" ♀	25°48'57" ♀	02°47'55"	-00°25'05"	0.306
24/05/2020 00:00:00	♂	07°20'52" ♀	-10°49'49"	-02°10'33"	00°40'25"	1.064
24/05/2020 00:00:00	♃	27°06'01" ♀	-20°55'23"	-00°11'26"	-00°01'46"	4.512
24/05/2020 00:00:00	♃	01°49'24" ♀	-19°53'18"	-00°08'25"	-00°01'14"	9.452
24/05/2020 00:00:00	♃	08°08'36" ♀	13°47'52"	-00°26'46"	00°03'12"	20.713
24/05/2020 00:00:00	♃	20°42'51" ♀	-04°38'44"	-01°03'03"	00°00'58"	30.218
24/05/2020 00:00:00	♃	24°48'23" ♀	-22°03'27"	-00°54'30"	-00°00'45"	33.406
24/05/2020 00:00:00	♃	29°10'11" ♀	23°26'02"	00°00'00"	-00°01'07"	0.003
24/05/2020 00:00:00	♃	08°26'51" ♀	05°50'16"	02°42'28"	00°02'19"	19.412
24/05/2020 00:00:00	♃	13°11'09" ♀	00°34'33"	-05°01'21"	00°06'43"	0.003
24/05/2020 00:00:00	♃	29°10'11" ♀	23°26'02"	00°00'00"	-00°01'07"	0.003
24/05/2020 00:00:00	♃	15°54'39" ♀	01°38'11"	-05°00'21"	03°42'01"	0.003
24/05/2020 00:00:00	X	24°17'14" ♀	-01°21'37"	-11°34'10"	00°00'31"	96.751
24/05/2020 00:00:00	Y	27°50'24" ♀	08°11'26"	-11°46'12"	00°00'47"	85.512
25/05/2020 00:00:00	♃	04°15'17" ♀	20°59'34"	00°00'00"	00°57'39"	1.013
25/05/2020 00:00:00	♃	00°27'09" ♀	23°33'14" ♀	00°07'05"	12°44'55"	0.003
25/05/2020 00:00:00	♃	24°30'12" ♀	25°34'57" ♀	02°15'44"	01°33'50"	1.033

Ephemerides year 2020

25/05/2020 00:00:00 ♀	19°07'26" ♀	25°35'46" ♀	02°36'50" ♀	-00°27'07" ♀	0.303
25/05/2020 00:00:00 ♂	08°01'16" ♂	-10°36'06" ♂	-02°12'02" ♂	00°40'21" ♂	1.057
25/05/2020 00:00:00 ♃	27°04'08" ♃	-20°55'54" ♃	-00°11'35" ♃	-00°01'58" ♃	4.499
25/05/2020 00:00:00 ♃	01°48'07" ♃	-19°53'41" ♃	-00°08'31" ♃	-00°01'19" ♃	9.438
25/05/2020 00:00:00 ♃	08°11'47" ♃	13°48'53" ♃	-00°26'46" ♃	00°03'11" ♃	20.705
25/05/2020 00:00:00 ♃	20°43'48" ♃	-04°38'24" ♃	-01°03'06" ♃	00°00'56" ♃	30.202
25/05/2020 00:00:00 ♃	24°47'37" ♃	-22°03'42" ♃	-00°54'37" ♃	-00°00'47" ♃	33.393
25/05/2020 00:00:00 ♃	29°09'42" ♃	23°26'01" ♃	00°00'00" ♃	00°00'07" ♃	0.003
25/05/2020 00:00:00 ♃	08°29'09" ♃	05°51'13" ♃	02°42'32" ♃	00°02'16" ♃	19.398
25/05/2020 00:00:00 ♃	13°17'52" ♃	00°37'19" ♃	-05°01'09" ♃	00°06'43" ♃	0.003
25/05/2020 00:00:00 ♃	29°09'42" ♃	23°26'01" ♃	00°00'00" ♃	00°00'07" ♃	0.003
25/05/2020 00:00:00 ♃	20°10'36" ♃	03°21'14" ♃	-04°53'16" ♃	04°46'13" ♃	0.003
25/05/2020 00:00:00 X	24°17'46" X	-01°21'28" X	-11°34'12" X	00°00'31" X	96.741
25/05/2020 00:00:00 Y	27°51'12" Y	08°11'36" Y	-11°46'13" Y	00°00'47" Y	85.510
26/05/2020 00:00:00 ☾	05°12'55" ♀	21°10'03" ♀	00°00'00" ♀	00°57'38" ♀	1.013
26/05/2020 00:00:00 ☾	13°18'27" ♀	24°02'53" ♀	01°17'00" ♀	12°57'52" ♀	0.003
26/05/2020 00:00:00 ♀	26°02'27" ♀	25°38'15" ♀	02°15'41" ♀	01°30'38" ♀	1.012
26/05/2020 00:00:00 ♀	18°39'21" ♀	25°21'52" ♀	02°25'17" ♀	-00°29'01" ♀	0.300
26/05/2020 00:00:00 ♂	08°41'35" ♂	-10°22'20" ♂	-02°13'32" ♂	00°40'16" ♂	1.050

Ephemerides year 2020

26/05/2020 00:00:00	♃	27°02'05" ♄	-20°56'28"	-00°11'45"	-00°02'09"	4.486
26/05/2020 00:00:00	♅	01°46'45" ♁	-19°54'05"	-00°08'36"	-00°01'25"	9.424
26/05/2020 00:00:00	♆	08°14'58" ♃	13°49'55"	-00°26'47"	00°03'09"	20.698
26/05/2020 00:00:00	♇	20°44'44" ♅	-04°38'05"	-01°03'08"	00°00'54"	30.186
26/05/2020 00:00:00	♁	24°46'49" ♄	-22°03'57"	-00°54'44"	-00°00'48"	33.381
26/05/2020 00:00:00	♄	29°10'18" ♀	23°26'02"	00°00'00"	00°01'01"	0.003
26/05/2020 00:00:00	♃	08°31'25" ♄	05°52'10"	02°42'35"	00°02'14"	19.384
26/05/2020 00:00:00	♁	13°24'36" ♄	00°40'06"	-05°00'58"	00°06'43"	0.003
26/05/2020 00:00:00	♄♁	29°10'18" ♀	23°26'02"	00°00'00"	00°01'01"	0.003
26/05/2020 00:00:00	♄♁	25°16'39" ♄	05°23'24"	-04°42'32"	05°19'22"	0.003
26/05/2020 00:00:00	X	24°18'17" ♄	-01°21'20"	-11°34'15"	00°00'30"	96.730
26/05/2020 00:00:00	Y	27°52'00" ♃	08°11'45"	-11°46'13"	00°00'47"	85.507
27/05/2020 00:00:00	♁	06°10'33" ♀	21°20'11"	00°00'00"	00°57'36"	1.013
27/05/2020 00:00:00	♃	26°23'15" ♁	23°13'53"	02°24'10"	13°11'57"	0.003
27/05/2020 00:00:00	♁	27°31'29" ♀	25°39'35" ○	02°14'49"	01°27'25"	0.991
27/05/2020 00:00:00	♁	18°09'26" ♄	25°07'16" ○	02°13'16"	-00°30'46"	0.298
27/05/2020 00:00:00	♂	09°21'49" ♅	-10°08'33"	-02°15'02"	00°40'12"	1.043
27/05/2020 00:00:00	♃	26°59'50" ♄	-20°57'03"	-00°11'55"	-00°02'20"	4.473
27/05/2020 00:00:00	♅	01°45'17" ♁	-19°54'30"	-00°08'42"	-00°01'30"	9.410

Ephemerides year 2020

27/05/2020 00:00:00	♃	08°18'07" ♄	13°50'55"	-00°26'47"	00°03'08"	20.690
27/05/2020 00:00:00	♃	20°45'37" ♃	-04°37'46"	-01°03'11"	00°00'52"	30.170
27/05/2020 00:00:00	♃	24°46'00" ♃	-22°04'13"	-00°54'51"	-00°00'50"	33.368
27/05/2020 00:00:00	♃	29°11'35" ♃	23°26'02"	00°00'00"	00°01'27"	0.003
27/05/2020 00:00:00	♃	08°33'38" ♃	05°53'05"	02°42'38"	00°02'11"	19.370
27/05/2020 00:00:00	♃	13°31'19" ♃	00°42'52"	-05°00'46"	00°06'43"	0.003
27/05/2020 00:00:00	T♃	29°11'35" ♃	23°26'02"	00°00'00"	00°01'27"	0.003
27/05/2020 00:00:00	T♃	00°34'44" ♄	07°28'13"	-04°28'56"	05°09'03"	0.003
27/05/2020 00:00:00	X	24°18'47" ♃	-01°21'12"	-11°34'18"	00°00'30"	96.719
27/05/2020 00:00:00	Y	27°52'48" ♄	08°11'54"	-11°46'14"	00°00'47"	85.505
28/05/2020 00:00:00	♃	07°08'09" ♃	21°29'56"	00°00'00"	00°57'35"	1.013
28/05/2020 00:00:00	♃	09°42'43" ♃	21°06'15"	03°24'52"	13°27'08"	0.003
28/05/2020 00:00:00	♃	28°57'16" ♃	25°39'02" ♃	02°13'06"	01°24'09"	0.971
28/05/2020 00:00:00	♃	17°37'50" ♃	24°51'59" ♃	02°00'51"	-00°32'22"	0.296
28/05/2020 00:00:00	♃	10°01'59" ♃	-09°54'44"	-02°16'32"	00°40'07"	1.036
28/05/2020 00:00:00	♃	26°57'24" ♃	-20°57'41"	-00°12'05"	-00°02'31"	4.461
28/05/2020 00:00:00	♃	01°43'43" ♃	-19°54'57"	-00°08'48"	-00°01'36"	9.396
28/05/2020 00:00:00	♃	08°21'15" ♄	13°51'56"	-00°26'47"	00°03'07"	20.682
28/05/2020 00:00:00	♃	20°46'29" ♃	-04°37'28"	-01°03'13"	00°00'50"	30.153

Ephemerides year 2020

28/05/2020 00:00:00	♁	24°45'09" ♁	-22°04'29"	-00°54'58"	-00°00'51"	33.356
28/05/2020 00:00:00	♁	29°13'04" ♁	23°26'03"	00°00'00"	00°01'24"	0.003
28/05/2020 00:00:00	♁	08°35'49" ♁	05°54'00"	02°42'42"	00°02'09"	19.356
28/05/2020 00:00:00	♁	13°38'02" ♁	00°45'39"	-05°00'34"	00°06'43"	0.003
28/05/2020 00:00:00	♁	29°13'04" ♁	23°26'03"	00°00'00"	00°01'24"	0.003
28/05/2020 00:00:00	♁	05°19'39" ♁	09°17'24"	-04°14'43"	04°13'46"	0.003
28/05/2020 00:00:00	X	24°19'17" ♁	-01°21'04"	-11°34'21"	00°00'29"	96.708
28/05/2020 00:00:00	Y	27°53'35" ♁	08°12'03"	-11°46'15"	00°00'47"	85.501
29/05/2020 00:00:00	♁	08°05'43" ♁	21°39'19"	00°00'00"	00°57'33"	1.014
29/05/2020 00:00:00	♁	23°17'49" ♁	17°46'00"	04°15'21"	13°43'10"	0.003
29/05/2020 00:00:00	♁	00°19'47" ♁	25°36'44" ♁	02°10'34"	01°20'50"	0.950
29/05/2020 00:00:00	♁	17°04'44" ♁	24°36'04" ♁	01°48'02"	-00°33'48"	0.294
29/05/2020 00:00:00	♁	10°42'05" ♁	-09°40'53"	-02°18'02"	00°40'03"	1.030
29/05/2020 00:00:00	♁	26°54'48" ♁	-20°58'21"	-00°12'15"	-00°02'42"	4.449
29/05/2020 00:00:00	♁	01°42'05" ♁	-19°55'24"	-00°08'54"	-00°01'41"	9.383
29/05/2020 00:00:00	♁	08°24'22" ♁	13°52'55"	-00°26'47"	00°03'06"	20.674
29/05/2020 00:00:00	♁	20°47'18" ♁	-04°37'11"	-01°03'16"	00°00'48"	30.137
29/05/2020 00:00:00	♁	24°44'17" ♁	-22°04'45"	-00°55'05"	-00°00'52"	33.345
29/05/2020 00:00:00	♁	29°14'15" ♁	23°26'03"	00°00'00"	00°00'54"	0.003



Ephemerides year 2020

29/05/2020 00:00:00	♄	08°37'57" ♎	05°54'54"	02°42'45"	00°02'07"	19.342
29/05/2020 00:00:00	♁	13°44'46" ♎	00°48'25"	-05°00'21"	00°06'43"	0.003
29/05/2020 00:00:00	♅	29°14'15" ♋	23°26'03"	00°00'00"	00°00'54"	0.003
29/05/2020 00:00:00	♁	08°50'36" ♋	10°36'14"	-04°03'02"	02°43'47"	0.003
29/05/2020 00:00:00	♁	24°19'47" ♎	-01°20'56"	-11°34'24"	00°00'29"	96.696
29/05/2020 00:00:00	♁	27°54'23" ♋	08°12'12"	-11°46'16"	00°00'47"	85.498
30/05/2020 00:00:00	♁	09°03'16" ♋	21°48'19"	00°00'00"	00°57'32"	1.014
30/05/2020 00:00:00	♃	07°09'08" ♉	13°23'58"	04°52'06"	13°59'24"	0.002
30/05/2020 00:00:00	♁	01°38'57" ♋	25°32'46"	02°07'12"	01°17'30"	0.930
30/05/2020 00:00:00	♁	16°30'17" ♋	24°19'32"	01°34'52"	-00°35'01"	0.292
30/05/2020 00:00:00	♁	11°22'06" ♋	-09°27'02"	-02°19'32"	00°39'58"	1.023
30/05/2020 00:00:00	♁	26°52'00" ♋	-20°59'03"	-00°12'24"	-00°02'52"	4.437
30/05/2020 00:00:00	♁	01°40'20" ♋	-19°55'53"	-00°09'00"	-00°01'47"	9.369
30/05/2020 00:00:00	♁	08°27'28" ♋	13°53'55"	-00°26'47"	00°03'04"	20.666
30/05/2020 00:00:00	♁	20°48'06" ♋	-04°36'54"	-01°03'18"	00°00'46"	30.120
30/05/2020 00:00:00	♁	24°43'23" ♋	-22°05'01"	-00°55'12"	-00°00'54"	33.333
30/05/2020 00:00:00	♁	29°14'47" ♋	23°26'03"	00°00'00"	00°00'07"	0.003
30/05/2020 00:00:00	♄	08°40'03" ♎	05°55'47"	02°42'49"	00°02'04"	19.328
30/05/2020 00:00:00	♁	13°51'29" ♎	00°51'12"	-05°00'09"	00°06'43"	0.003

Ephemerides year 2020

30/05/2020 00:00:00	T♄	29°14'47" ♀	23°26'03"	00°00'00"	00°00'07"	0.003
30/05/2020 00:00:00	T♄	10°42'46" ♂	11°17'21"	-03°56'25"	01°00'37"	0.003
30/05/2020 00:00:00	X	24°20'16" ♀	-01°20'48"	-11°34'27"	00°00'28"	96.684
30/05/2020 00:00:00	Y	27°55'10" ♂	08°12'21"	-11°46'18"	00°00'47"	85.494
31/05/2020 00:00:00	♁	10°00'48" ♀	21°56'56"	00°00'00"	00°57'30"	1.014
31/05/2020 00:00:00	♃	21°16'21" ♃	08°14'16"	05°12'05"	14°14'46"	0.002
31/05/2020 00:00:00	♀	02°54'46" ♃	25°27'14" ♁	02°03'00"	01°14'06"	0.910
31/05/2020 00:00:00	♀	15°54'44" ♀	24°02'27" ♁	01°21'24"	-00°36'03"	0.291
31/05/2020 00:00:00	♂	12°02'02" ♃	-09°13'09"	-02°21'03"	00°39'53"	1.016
31/05/2020 00:00:00	♃	26°49'02" ♃	-20°59'47"	-00°12'34"	-00°03'03"	4.425
31/05/2020 00:00:00	♃	01°38'30" ♃	-19°56'23"	-00°09'05"	-00°01'52"	9.356
31/05/2020 00:00:00	♃	08°30'32" ♂	13°54'54"	-00°26'48"	00°03'03"	20.657
31/05/2020 00:00:00	♃	20°48'52" ♃	-04°36'39"	-01°03'21"	00°00'44"	30.104
31/05/2020 00:00:00	♃	24°42'29" ♃	-22°05'18"	-00°55'18"	-00°00'55"	33.322
31/05/2020 00:00:00	♁	29°14'28" ♀	23°26'03"	00°00'00"	-00°00'45"	0.003
31/05/2020 00:00:00	♃	08°42'06" ♀	05°56'39"	02°42'53"	00°02'01"	19.313
31/05/2020 00:00:00	♃	13°58'12" ♀	00°53'58"	-04°59'57"	00°06'43"	0.003
31/05/2020 00:00:00	T♄	29°14'28" ♀	23°26'03"	00°00'00"	-00°00'45"	0.003
31/05/2020 00:00:00	T♄	10°57'01" ♂	11°22'34"	-03°55'32"	-00°27'12"	0.003

Ephemerides year 2020

31/05/2020 00:00:00	X	24°20'45" ♃	-01°20'41"	-11°34'30"	00°00'28"	96.673
31/05/2020 00:00:00	Y	27°55'57" ♄	08°12'29"	-11°46'19"	00°00'47"	85.490
01/06/2020 00:00:00	☉	10°58'18" ♈	22°05'10"	00°00'00"	00°57'29"	1.014
01/06/2020 00:00:00	☾	05°37'56" ♎	02°33'20"	05°13'09"	14°27'51"	0.002
01/06/2020 00:00:00	♀	04°07'09" ♉	25°20'16" ♁	01°57'59"	01°10'39"	0.890
01/06/2020 00:00:00	♀	15°18'16" ♈	23°44'51" ♁	01°07'41"	-00°36'50"	0.290
01/06/2020 00:00:00	♂	12°41'53" ♈	-08°59'16"	-02°22'34"	00°39'48"	1.009
01/06/2020 00:00:00	♃	26°45'53" ♈	-21°00'33"	-00°12'44"	-00°03'14"	4.413
01/06/2020 00:00:00	♃	01°36'35" ♈	-19°56'54"	-00°09'11"	-00°01'57"	9.343
01/06/2020 00:00:00	♃	08°33'35" ♄	13°55'52"	-00°26'48"	00°03'02"	20.648
01/06/2020 00:00:00	♃	20°49'36" ♈	-04°36'24"	-01°03'24"	00°00'42"	30.087
01/06/2020 00:00:00	♃	24°41'32" ♈	-22°05'34"	-00°55'25"	-00°00'56"	33.310
01/06/2020 00:00:00	♁	29°13'19" ♈	23°26'03"	00°00'00"	-00°01'30"	0.003
01/06/2020 00:00:00	♃	08°44'07" ♃	05°57'30"	02°42'56"	00°01'59"	19.299
01/06/2020 00:00:00	♃	14°04'55" ♃	00°56'45"	-04°59'44"	00°06'43"	0.003
01/06/2020 00:00:00	T♁	29°13'19" ♈	23°26'03"	00°00'00"	-00°01'30"	0.003
01/06/2020 00:00:00	T♃	10°01'21" ♄	11°02'19"	-03°58'49"	-01°16'50"	0.003
01/06/2020 00:00:00	X	24°21'13" ♃	-01°20'34"	-11°34'33"	00°00'28"	96.661
01/06/2020 00:00:00	Y	27°56'44" ♄	08°12'37"	-11°46'21"	00°00'46"	85.486

Ephemerides year 2020

02/06/2020 00:00:00	♁	11°55'46" ♀	22°13'01"	00°00'00"	00°57'28"	1.014
02/06/2020 00:00:00	♃	20°10'44" ♀	-03°20'17"	04°54'21"	14°36'58"	0.002
02/06/2020 00:00:00	♄	05°16'04" ♀	25°11'58" ♀	01°52'09"	01°07'09"	0.871
02/06/2020 00:00:00	♅	14°41'07" ♀	23°26'50" ♀	00°53'45"	-00°37'23"	0.289
02/06/2020 00:00:00	♆	13°21'40" ♀	-08°45'21"	-02°24'04"	00°39'43"	1.003
02/06/2020 00:00:00	♇	26°42'33" ♀	-21°01'21"	-00°12'54"	-00°03'24"	4.402
02/06/2020 00:00:00	♈	01°34'35" ♀	-19°57'27"	-00°09'17"	-00°02'02"	9.330
02/06/2020 00:00:00	♉	08°36'36" ♀	13°56'50"	-00°26'48"	00°03'00"	20.639
02/06/2020 00:00:00	♊	20°50'18" ♀	-04°36'10"	-01°03'26"	00°00'41"	30.071
02/06/2020 00:00:00	♋	24°40'35" ♀	-22°05'51"	-00°55'32"	-00°00'58"	33.299
02/06/2020 00:00:00	♌	29°11'33" ♀	23°26'02"	00°00'00"	-00°01'57"	0.003
02/06/2020 00:00:00	♍	08°46'05" ♀	05°58'20"	02°43'00"	00°01'56"	19.284
02/06/2020 00:00:00	♎	14°11'38" ♀	00°59'32"	-04°59'31"	00°06'43"	0.003
02/06/2020 00:00:00	♏	29°11'33" ♀	23°26'02"	00°00'00"	-00°01'57"	0.003
02/06/2020 00:00:00	♐	08°36'54" ♀	10°31'16"	-04°03'44"	-01°26'34"	0.003
02/06/2020 00:00:00	♑	24°21'41" ♀	-01°20'27"	-11°34'36"	00°00'27"	96.648
02/06/2020 00:00:00	♒	27°57'31" ♀	08°12'45"	-11°46'23"	00°00'46"	85.482
03/06/2020 00:00:00	♁	12°53'14" ♀	22°20'29"	00°00'00"	00°57'26"	1.014
03/06/2020 00:00:00	♃	04°50'04" ♀	-09°06'09"	04°16'20"	14°40'38"	0.002

Ephemerides year 2020

03/06/2020 00:00:00	♀	06°21'26" ♃	25°02'25" ♁	01°45'31"	01°03'35"	0.851
03/06/2020 00:00:00	♀	14°03'33" ♃	23°08'28"	00°39'40"	-00°37'42"	0.289
03/06/2020 00:00:00	♂	14°01'21" ♃	-08°31'27"	-02°25'35"	00°39'39"	0.996
03/06/2020 00:00:00	♃	26°39'03" ♃	-21°02'11"	-00°13'04"	-00°03'34"	4.391
03/06/2020 00:00:00	♃	01°32'30" ♃	-19°58'00"	-00°09'23"	-00°02'07"	9.318
03/06/2020 00:00:00	♃	08°39'36" ♃	13°57'47"	-00°26'48"	00°02'59"	20.630
03/06/2020 00:00:00	♃	20°50'58" ♃	-04°35'56"	-01°03'29"	00°00'39"	30.054
03/06/2020 00:00:00	♃	24°39'36" ♃	-22°06'08"	-00°55'39"	-00°00'59"	33.289
03/06/2020 00:00:00	♃	29°09'31" ♃	23°26'01"	00°00'00"	-00°02'02"	0.003
03/06/2020 00:00:00	♃	08°48'00" ♃	05°59'09"	02°43'04"	00°01'54"	19.269
03/06/2020 00:00:00	♃	14°18'21" ♃	01°02'18"	-04°59'18"	00°06'43"	0.003
03/06/2020 00:00:00	T♃	29°09'31" ♃	23°26'01"	00°00'00"	-00°02'02"	0.003
03/06/2020 00:00:00	T♃	07°15'04" ♃	10°00'50"	-04°08'22"	-01°15'48"	0.003
03/06/2020 00:00:00	X	24°22'08" ♃	-01°20'20"	-11°34'40"	00°00'27"	96.636
03/06/2020 00:00:00	Y	27°58'18" ♃	08°12'53"	-11°46'24"	00°00'46"	85.477
04/06/2020 00:00:00	♃	13°50'40" ♃	22°27'33"	00°00'00"	00°57'25"	1.014
04/06/2020 00:00:00	♃	19°29'52" ♃	-14°22'06"	03°21'31"	14°37'51"	0.002
04/06/2020 00:00:00	♀	07°23'13" ♃	24°51'44" ♁	01°38'04"	00°59'57"	0.833
04/06/2020 00:00:00	♀	13°25'47" ♃	22°49'49"	00°25'29"	-00°37'46"	0.289

Ephemerides year 2020

04/06/2020 00:00:00	♂	14°40'58" ♈	-08°17'31"	-02°27'06"	00°39'33"	0.989
04/06/2020 00:00:00	♃	26°35'23" ♈	-21°03'03"	-00°13'14"	-00°03'45"	4.380
04/06/2020 00:00:00	♅	01°30'19" ♋	-19°58'35"	-00°09'29"	-00°02'12"	9.305
04/06/2020 00:00:00	♁	08°42'34" ♈	13°58'44"	-00°26'49"	00°02'57"	20.620
04/06/2020 00:00:00	♃	20°51'36" ♈	-04°35'44"	-01°03'32"	00°00'37"	30.037
04/06/2020 00:00:00	♃	24°38'37" ♈	-22°06'26"	-00°55'46"	-00°01'00"	33.278
04/06/2020 00:00:00	♁	29°07'37" ♋	23°26'01"	00°00'00"	-00°01'44"	0.003
04/06/2020 00:00:00	♃	08°49'53" ♈	05°59'58"	02°43'08"	00°01'51"	19.254
04/06/2020 00:00:00	♃	14°25'04" ♈	01°05'05"	-04°59'05"	00°06'43"	0.003
04/06/2020 00:00:00	♁	29°07'37" ♋	23°26'01"	00°00'00"	-00°01'44"	0.003
04/06/2020 00:00:00	♃	06°04'01" ♈	09°34'08"	-04°12'21"	-01°08'28"	0.003
04/06/2020 00:00:00	X	24°22'35" ♈	-01°20'14"	-11°34'43"	00°00'26"	96.623
04/06/2020 00:00:00	Y	27°59'04" ♈	08°13'01"	-11°46'26"	00°00'46"	85.472
05/06/2020 00:00:00	♁	14°48'06" ♋	22°34'14"	00°00'00"	00°57'24"	1.015
05/06/2020 00:00:00	♃	04°03'33" ♈	-18°45'47"	02°13'55"	14°28'26"	0.002
05/06/2020 00:00:00	♃	08°21'19" ♋	24°40'01"	01°29'49"	00°56'14"	0.814
05/06/2020 00:00:00	♀	12°48'05" ♋	22°31'00"	00°11'15"	-00°37'35"	0.289
05/06/2020 00:00:00	♂	15°20'29" ♈	-08°03'35"	-02°28'37"	00°39'28"	0.983
05/06/2020 00:00:00	♃	26°31'33" ♈	-21°03'57"	-00°13'24"	-00°03'55"	4.369

Ephemerides year 2020

05/06/2020 00:00:00	♃	01°28'04" ♊r	-19°59'10"	-00°09'35"	-00°02'17"	9.293
05/06/2020 00:00:00	♃	08°45'32" ♊	13°59'40"	-00°26'49"	00°02'56"	20.611
05/06/2020 00:00:00	♃	20°52'13" ♋	-04°35'32"	-01°03'34"	00°00'35"	30.021
05/06/2020 00:00:00	♃	24°37'36" ♋r	-22°06'43"	-00°55'52"	-00°01'01"	33.268
05/06/2020 00:00:00	♃	29°06'08" ♋r	23°26'00"	00°00'00"	-00°01'10"	0.003
05/06/2020 00:00:00	♃	08°51'44" ♋	06°00'45"	02°43'12"	00°01'49"	19.239
05/06/2020 00:00:00	♃	14°31'48" ♋	01°07'52"	-04°58'52"	00°06'43"	0.003
05/06/2020 00:00:00	♃	29°06'08" ♋r	23°26'00"	00°00'00"	-00°01'10"	0.003
05/06/2020 00:00:00	♃	04°51'57" ♋r	09°06'45"	-04°16'22"	-01°19'11"	0.003
05/06/2020 00:00:00	X	24°23'02" ♋	-01°20'08"	-11°34'47"	00°00'26"	96.610
05/06/2020 00:00:00	Y	27°59'51" ♋	08°13'09"	-11°46'29"	00°00'46"	85.467
06/06/2020 00:00:00	♃	15°45'30" ♋	22°40'31"	00°00'00"	00°57'23"	1.015
06/06/2020 00:00:00	♃	18°24'47" ♋	-21°57'25"	00°58'40"	14°13'08"	0.002
06/06/2020 00:00:00	♃	09°15'41" ♋	24°27'23" ♋	01°20'47"	00°52'27"	0.796
06/06/2020 00:00:00	♃	12°10'41" ♋r	22°12'04"	-00°02'56"	-00°37'09"	0.289
06/06/2020 00:00:00	♃	15°59'55" ♋	-07°49'40"	-02°30'08"	00°39'23"	0.976
06/06/2020 00:00:00	♃	26°27'33" ♋r	-21°04'52"	-00°13'34"	-00°04'05"	4.358
06/06/2020 00:00:00	♃	01°25'44" ♋r	-19°59'47"	-00°09'41"	-00°02'22"	9.281
06/06/2020 00:00:00	♃	08°48'27" ♋	14°00'36"	-00°26'50"	00°02'54"	20.601

Ephemerides year 2020

06/06/2020 00:00:00	♁	20°52'47" ♏	-04°35'21"	-01°03'37"	00°00'33"	30.004
06/06/2020 00:00:00	♁	24°36'34" ♏	-22°07'01"	-00°55'59"	-00°01'02"	33.257
06/06/2020 00:00:00	♁	29°05'18" ♏	23°26'00"	00°00'00"	-00°00'29"	0.003
06/06/2020 00:00:00	♁	08°53'32" ♏	06°01'31"	02°43'16"	00°01'46"	19.224
06/06/2020 00:00:00	♁	14°38'31" ♏	01°10'39"	-04°58'38"	00°06'43"	0.003
06/06/2020 00:00:00	♁	29°05'18" ♏	23°26'00"	00°00'00"	-00°00'29"	0.003
06/06/2020 00:00:00	♁	03°18'53" ♏	08°31'04"	-04°21'24"	-01°49'46"	0.003
06/06/2020 00:00:00	X	24°23'28" ♏	-01°20'02"	-11°34'50"	00°00'25"	96.597
06/06/2020 00:00:00	Y	28°00'37" ♏	08°13'16"	-11°46'31"	00°00'46"	85.461
07/06/2020 00:00:00	♁	16°42'54" ♏	22°46'24"	00°00'00"	00°57'23"	1.015
07/06/2020 00:00:00	♁	02°28'21" ♏	-23°43'31"	00°18'43"	13°53'24"	0.002
07/06/2020 00:00:00	♁	10°06'13" ♏	24°13'54"	01°10'59"	00°48'35"	0.779
07/06/2020 00:00:00	♁	11°33'51" ♏	21°53'09"	-00°17'03"	-00°36'28"	0.290
07/06/2020 00:00:00	♁	16°39'16" ♏	-07°35'44"	-02°31'39"	00°39'17"	0.969
07/06/2020 00:00:00	♁	26°23'23" ♏	-21°05'49"	-00°13'44"	-00°04'15"	4.348
07/06/2020 00:00:00	♁	01°23'19" ♏	-20°00'25"	-00°09'46"	-00°02'27"	9.269
07/06/2020 00:00:00	♁	08°51'21" ♏	14°01'31"	-00°26'50"	00°02'53"	20.590
07/06/2020 00:00:00	♁	20°53'20" ♏	-04°35'10"	-01°03'40"	00°00'31"	29.987
07/06/2020 00:00:00	♁	24°35'30" ♏	-22°07'19"	-00°56'06"	-00°01'03"	33.248



Ephemerides year 2020

07/06/2020 00:00:00	♏	29°05'08" ♀	23°25'59"	00°00'00"	00°00'09"	0.003
07/06/2020 00:00:00	♋	08°55'17" ♀	06°02'17"	02°43'20"	00°01'43"	19.209
07/06/2020 00:00:00	♏	14°45'14" ♀	01°13'26"	-04°58'25"	00°06'43"	0.003
07/06/2020 00:00:00	♏	29°05'08" ♀	23°25'59"	00°00'00"	00°00'09"	0.003
07/06/2020 00:00:00	♏	01°08'50" ♀	07°40'42"	-04°28'06"	-02°30'49"	0.003
07/06/2020 00:00:00	X	24°23'54" ♀	-01°19'56"	-11°34'54"	00°00'25"	96.584
07/06/2020 00:00:00	Y	28°01'23" ♀	08°13'23"	-11°46'33"	00°00'46"	85.455
08/06/2020 00:00:00	♏	17°40'16" ♀	22°51'53"	-00°00'00"	00°57'22"	1.015
08/06/2020 00:00:00	♏	16°10'44" ♀	-23°59'53"	01°33'10"	13°31'07"	0.003
08/06/2020 00:00:00	♏	10°52'51" ♀	23°59'40"	01°00'26"	00°44'38"	0.762
08/06/2020 00:00:00	♏	10°57'49" ♀	21°34'20"	-00°31'03"	-00°35'34"	0.291
08/06/2020 00:00:00	♏	17°18'31" ♀	-07°21'48"	-02°33'11"	00°39'12"	0.963
08/06/2020 00:00:00	♏	26°19'03" ♀	-21°06'48"	-00°13'54"	-00°04'24"	4.337
08/06/2020 00:00:00	♏	01°20'49" ♀	-20°01'04"	-00°09'52"	-00°02'32"	9.258
08/06/2020 00:00:00	♏	08°54'14" ♀	14°02'26"	-00°26'50"	00°02'51"	20.580
08/06/2020 00:00:00	♏	20°53'51" ♀	-04°35'01"	-01°03'42"	00°00'29"	29.970
08/06/2020 00:00:00	♏	24°34'26" ♀	-22°07'37"	-00°56'12"	-00°01'04"	33.238
08/06/2020 00:00:00	♏	29°05'32" ♀	23°26'00"	00°00'00"	00°00'37"	0.003
08/06/2020 00:00:00	♏	08°57'00" ♀	06°03'01"	02°43'24"	00°01'41"	19.193

Ephemerides year 2020

08/06/2020 00:00:00	☾	14°51'57" ♀	01°16'14"	-04°58'11"	00°06'43"	0.003	
08/06/2020 00:00:00	♄♁	29°05'32" ♀	23°26'00"		00°00'00"	00°00'37"	0.003
08/06/2020 00:00:00	♄☾	28°19'18" ♀	06°34'16"	-04°36'13"	-03°05'41"		0.003
08/06/2020 00:00:00	X	24°24'19" ♀	-01°19'51"	-11°34'58"	00°00'24"		96.571
08/06/2020 00:00:00	Y	28°02'09" ♂	08°13'30"	-11°46'36"	00°00'45"		85.449
09/06/2020 00:00:00	☉	18°37'38" ♀	22°56'58"	-00°00'00"	00°57'21"		1.015
09/06/2020 00:00:00	☾	29°30'25" ♂	-22°51'59"	-02°40'29"	13°08'17"		0.003
09/06/2020 00:00:00	♀	11°35'29" ♂	23°44'49"	00°49'09"	00°40'36"		0.745
09/06/2020 00:00:00	♀	10°22'47" ♀	21°15'43"	-00°44'52"	-00°34'26"		0.293
09/06/2020 00:00:00	♂	17°57'40" ♀	-07°07'53"	-02°34'42"	00°39'06"		0.956
09/06/2020 00:00:00	♃	26°14'33" ♂	-21°07'49"	-00°14'04"	-00°04'34"		4.327
09/06/2020 00:00:00	♃	01°18'14" ♂	-20°01'43"	-00°09'58"	-00°02'37"		9.246
09/06/2020 00:00:00	♃	08°57'05" ♂	14°03'20"	-00°26'51"	00°02'50"		20.569
09/06/2020 00:00:00	♃	20°54'19" ♀	-04°34'52"	-01°03'45"	00°00'27"		29.953
09/06/2020 00:00:00	♃	24°33'21" ♂	-22°07'55"	-00°56'19"	-00°01'06"		33.228
09/06/2020 00:00:00	♁	29°06'19" ♀	23°26'00"	00°00'00"	00°00'53"		0.003
09/06/2020 00:00:00	♃	08°58'40" ♀	06°03'44"	02°43'29"	00°01'38"		19.178
09/06/2020 00:00:00	☾	14°58'41" ♀	01°19'01"	-04°57'57"	00°06'43"		0.003
09/06/2020 00:00:00	♄♁	29°06'19" ♀	23°26'00"		00°00'00"	00°00'53"	0.003

Ephemerides year 2020

09/06/2020 00:00:00	T♄	25°05'00" ♏	05°17'14"	-04°44'39"	-03°18'17"	0.003
09/06/2020 00:00:00	X	24°24'44" ♏	-01°19'46"	-11°35'02"	00°00'24"	96.557
09/06/2020 00:00:00	Y	28°02'55" ♏	08°13'37"	-11°46'38"	00°00'45"	85.443
10/06/2020 00:00:00	☉	19°35'00" ♋	23°01'39"	-00°00'00"	00°57'21"	1.015
10/06/2020 00:00:00	☾	12°27'43" ♎	-20°32'26"	-03°37'37"	12°46'39"	0.003
10/06/2020 00:00:00	♀	12°14'02" ♎	23°29'24" ♋	00°37'08"	00°36'28"	0.729
10/06/2020 00:00:00	♀	09°49'00" ♋	20°57'22"	-00°58'26"	-00°33'06"	0.295
10/06/2020 00:00:00	♂	18°36'43" ♋	-06°53'59"	-02°36'13"	00°38'59"	0.950
10/06/2020 00:00:00	♃	26°09'54" ♎	-21°08'52"	-00°14'14"	-00°04'44"	4.318
10/06/2020 00:00:00	♅	01°15'34" ♎	-20°02'24"	-00°10'04"	-00°02'41"	9.235
10/06/2020 00:00:00	♁	08°59'54" ♏	14°04'14"	-00°26'51"	00°02'48"	20.559
10/06/2020 00:00:00	♃	20°54'46" ♋	-04°34'44"	-01°03'48"	00°00'25"	29.937
10/06/2020 00:00:00	♁	24°32'14" ♎	-22°08'14"	-00°56'26"	-00°01'07"	33.219
10/06/2020 00:00:00	♁	29°07'14" ♋	23°26'00"	00°00'00"	00°00'53"	0.003
10/06/2020 00:00:00	♃	09°00'17" ♏	06°04'27"	02°43'33"	00°01'35"	19.162
10/06/2020 00:00:00	♄	15°05'24" ♏	01°21'48"	-04°57'43"	00°06'43"	0.003
10/06/2020 00:00:00	T♁	29°07'14" ♋	23°26'00"	00°00'00"	00°00'53"	0.003
10/06/2020 00:00:00	T♄	21°52'18" ♏	04°00'03"	-04°52'05"	-03°02'41"	0.003
10/06/2020 00:00:00	X	24°25'08" ♏	-01°19'41"	-11°35'06"	00°00'23"	96.544

Ephemerides year 2020

10/06/2020 00:00:00	Y	28°03'40" ♂	08°13'44"	-11°46'41"	00°00'45"	85.436
11/06/2020 00:00:00	☉	20°32'21" ♀	23°05'56"	-00°00'00"	00°57'20"	1.015
11/06/2020 00:00:00	☾	25°04'35" ♁	-17°16'48"	-04°22'34"	12°27'37"	0.003
11/06/2020 00:00:00	♀	12°48'24" ♁	23°13'32"	00°24'26"	00°32'14"	0.714
11/06/2020 00:00:00	♀	09°16'38" ♀	20°39'25"	-01°11'44"	-00°31'35"	0.297
11/06/2020 00:00:00	♂	19°15'40" ♀	-06°40'05"	-02°37'45"	00°38'53"	0.943
11/06/2020 00:00:00	♃	26°05'05" ♁	-21°09'56"	-00°14'24"	-00°04'53"	4.308
11/06/2020 00:00:00	♄	01°12'50" ♁	-20°03'06"	-00°10'10"	-00°02'46"	9.224
11/06/2020 00:00:00	♅	09°02'42" ♂	14°05'07"	-00°26'52"	00°02'46"	20.547
11/06/2020 00:00:00	♆	20°55'11" ♀	-04°34'36"	-01°03'50"	00°00'23"	29.920
11/06/2020 00:00:00	♇	24°31'06" ♁	-22°08'32"	-00°56'32"	-00°01'08"	33.210
11/06/2020 00:00:00	♈	29°08'03" ♀	23°26'01"	00°00'00"	00°00'42"	0.003
11/06/2020 00:00:00	♉	09°01'51" ♀	06°05'08"	02°43'37"	00°01'32"	19.147
11/06/2020 00:00:00	♊	15°12'07" ♀	01°24'35"	-04°57'29"	00°06'43"	0.003
11/06/2020 00:00:00	T♋	29°08'03" ♀	23°26'01"	00°00'00"	00°00'42"	0.003
11/06/2020 00:00:00	T♌	19°06'35" ♀	02°53'13"	-04°57'42"	-02°26'26"	0.003
11/06/2020 00:00:00	X	24°25'32" ♀	-01°19'36"	-11°35'10"	00°00'23"	96.530
11/06/2020 00:00:00	Y	28°04'25" ♂	08°13'51"	-11°46'44"	00°00'44"	85.429
12/06/2020 00:00:00	☉	21°29'41" ♀	23°09'48"	-00°00'00"	00°57'19"	1.015

Ephemerides year 2020

12/06/2020 00:00:00	♃	07°24'11" ♈	-13°20'20"	-04°54'16"	12°12'13"	0.003
12/06/2020 00:00:00	♆	13°18'30" ♁	22°57'18"	00°11'05"	00°27'56"	0.699
12/06/2020 00:00:00	♀	08°45'53" ♀	20°21'55"	-01°24'43"	-00°29'53"	0.299
12/06/2020 00:00:00	♂	19°54'30" ♈	-06°26'13"	-02°39'16"	00°38'46"	0.937
12/06/2020 00:00:00	♃	26°00'07" ♈	-21°11'01"	-00°14'34"	-00°05'02"	4.299
12/06/2020 00:00:00	♄	01°10'01" ♃	-20°03'49"	-00°10'16"	-00°02'51"	9.213
12/06/2020 00:00:00	♅	09°05'28" ♄	14°05'59"	-00°26'52"	00°02'44"	20.536
12/06/2020 00:00:00	♆	20°55'34" ♁	-04°34'30"	-01°03'53"	00°00'21"	29.903
12/06/2020 00:00:00	♁	24°29'58" ♁	-22°08'51"	-00°56'39"	-00°01'09"	33.202
12/06/2020 00:00:00	♁	29°08'37" ♁	23°26'01"	00°00'00"	00°00'24"	0.003
12/06/2020 00:00:00	♂	09°03'23" ♈	06°05'48"	02°43'42"	00°01'30"	19.131
12/06/2020 00:00:00	♁	15°18'50" ♁	01°27'23"	-04°57'15"	00°06'43"	0.003
12/06/2020 00:00:00	♁	29°08'37" ♁	23°26'01"	00°00'00"	00°00'24"	0.003
12/06/2020 00:00:00	♁	17°01'23" ♁	02°02'31"	-05°01'28"	-01°44'14"	0.003
12/06/2020 00:00:00	X	24°25'55" ♁	-01°19'32"	-11°35'14"	00°00'22"	96.516
12/06/2020 00:00:00	Y	28°05'10" ♄	08°13'57"	-11°46'47"	00°00'44"	85.422
13/06/2020 00:00:00	♁	22°27'01" ♁	23°13'16"	-00°00'00"	00°57'19"	1.016
13/06/2020 00:00:00	♃	19°30'28" ♈	-08°56'13"	-05°12'14"	12°01'04"	0.003
13/06/2020 00:00:00	♆	13°44'15" ♁	22°40'48"	-00°02'52"	00°23'33"	0.684

Ephemerides year 2020

13/06/2020 00:00:00	♀	08°16'53" ♀	20°04'57"	-01°37'20"	-00°28'03"	0.302
13/06/2020 00:00:00	♂	20°33'13" ♂	-06°12'21"	-02°40'47"	00°38'39"	0.930
13/06/2020 00:00:00	♃	25°55'00" ♃	-21°12'09"	-00°14'44"	-00°05'11"	4.290
13/06/2020 00:00:00	♄	01°07'07" ♄	-20°04'33"	-00°10'22"	-00°02'55"	9.203
13/06/2020 00:00:00	♅	09°08'12" ♅	14°06'51"	-00°26'53"	00°02'43"	20.525
13/06/2020 00:00:00	♆	20°55'55" ♆	-04°34'24"	-01°03'56"	00°00'19"	29.886
13/06/2020 00:00:00	♇	24°28'48" ♇	-22°09'10"	-00°56'45"	-00°01'10"	33.193
13/06/2020 00:00:00	♈	29°08'52" ♀	23°26'01"	00°00'00"	00°00'05"	0.003
13/06/2020 00:00:00	♉	09°04'51" ♀	06°06'27"	02°43'46"	00°01'27"	19.115
13/06/2020 00:00:00	♊	15°25'33" ♀	01°30'10"	-04°57'00"	00°06'43"	0.003
13/06/2020 00:00:00	T♈	29°08'52" ♀	23°26'01"	00°00'00"	00°00'05"	0.003
13/06/2020 00:00:00	T♊	15°35'37" ♀	01°27'44"	-05°03'48"	-01°09'18"	0.003
13/06/2020 00:00:00	X	24°26'17" ♀	-01°19'28"	-11°35'18"	00°00'22"	96.502
13/06/2020 00:00:00	Y	28°05'55" ♅	08°14'03"	-11°46'50"	00°00'44"	85.415
14/06/2020 00:00:00	☉	23°24'20" ♀	23°16'19"	-00°00'00"	00°57'19"	1.016
14/06/2020 00:00:00	☾	01°27'50" ♀	-04°15'22"	-05°16'26"	11°54'26"	0.003
14/06/2020 00:00:00	♁	14°05'35" ♁	22°24'08"	-00°17'25"	00°19'06"	0.670
14/06/2020 00:00:00	♀	07°49'49" ♀	19°48'36"	-01°49'33"	-00°26'04"	0.305
14/06/2020 00:00:00	♂	21°11'49" ♂	-05°58'32"	-02°42'19"	00°38'32"	0.924

Ephemerides year 2020

14/06/2020 00:00:00	♃	25°49'44" ♏	-21°13'17"	-00°14'54"	-00°05'20"	4.281
14/06/2020 00:00:00	♅	01°04'09" ♏	-20°05'17"	-00°10'27"	-00°03'00"	9.192
14/06/2020 00:00:00	♁	09°10'54" ♏	14°07'42"	-00°26'53"	00°02'41"	20.513
14/06/2020 00:00:00	♆	20°56'14" ♏	-04°34'19"	-01°03'58"	00°00'17"	29.869
14/06/2020 00:00:00	♁	24°27'37" ♏	-22°09'29"	-00°56'52"	-00°01'11"	33.185
14/06/2020 00:00:00	♄	29°08'48" ♏	23°26'01"	00°00'00"	-00°00'11"	0.003
14/06/2020 00:00:00	♃	09°06'17" ♏	06°07'05"	02°43'51"	00°01'24"	19.099
14/06/2020 00:00:00	♁	15°32'16" ♏	01°32'58"	-04°56'46"	00°06'43"	0.003
14/06/2020 00:00:00	♄♏	29°08'48" ♏	23°26'01"	00°00'00"	-00°00'11"	0.003
14/06/2020 00:00:00	♁♃	14°37'40" ♏	01°04'13"	-05°05'16"	-00°49'28"	0.003
14/06/2020 00:00:00	X	24°26'39" ♏	-01°19'24"	-11°35'22"	00°00'21"	96.488
14/06/2020 00:00:00	Y	28°06'39" ♏	08°14'09"	-11°46'54"	00°00'44"	85.407
15/06/2020 00:00:00	♁	24°21'39" ♏	23°18'58"	-00°00'00"	00°57'18"	1.016
15/06/2020 00:00:00	♁	13°20'53" ♏	00°33'02"	-05°07'04"	11°52'21"	0.003
15/06/2020 00:00:00	♁	14°22'26" ♏	22°07'22"	-00°32'29"	00°14'35"	0.657
15/06/2020 00:00:00	♁	07°24'46" ♏	19°32'56"	-02°01'21"	-00°23'59"	0.308
15/06/2020 00:00:00	♁	21°50'18" ♏	-05°44'43"	-02°43'50"	00°38'24"	0.918
15/06/2020 00:00:00	♃	25°44'19" ♏	-21°14'27"	-00°15'04"	-00°05'29"	4.272
15/06/2020 00:00:00	♅	01°01'07" ♏	-20°06'03"	-00°10'33"	-00°03'04"	9.182

Ephemerides year 2020

15/06/2020 00:00:00	♃	09°13'34" ♂	14°08'32"	-00°26'54"	00°02'39"	20.501
15/06/2020 00:00:00	♃	20°56'30" ♀	-04°34'15"	-01°04'01"	00°00'15"	29.852
15/06/2020 00:00:00	♃	24°26'25" ♀	-22°09'48"	-00°56'59"	-00°01'12"	33.177
15/06/2020 00:00:00	♃	29°08'31" ♀	23°26'01"	00°00'00"	-00°00'22"	0.003
15/06/2020 00:00:00	♃	09°07'40" ♀	06°07'42"	02°43'55"	00°01'21"	19.083
15/06/2020 00:00:00	♃	15°38'59" ♀	01°35'45"	-04°56'31"	00°06'43"	0.003
15/06/2020 00:00:00	♃	29°08'31" ♀	23°26'01"	00°00'00"	-00°00'22"	0.003
15/06/2020 00:00:00	♃	13°50'45" ♀	00°45'10"	-05°06'23"	-00°47'14"	0.003
15/06/2020 00:00:00	X	24°27'01" ♀	-01°19'20"	-11°35'26"	00°00'21"	96.473
15/06/2020 00:00:00	Y	28°07'23" ♂	08°14'15"	-11°46'57"	00°00'43"	85.400
16/06/2020 00:00:00	♃	25°18'57" ♀	23°21'12"	-00°00'00"	00°57'18"	1.016
16/06/2020 00:00:00	♃	25°14'01" ♀	05°20'33"	-04°44'34"	11°54'35"	0.003
16/06/2020 00:00:00	♃	14°34'45" ♀	21°50'36"	-00°48'01"	00°10'02"	0.645
16/06/2020 00:00:00	♃	07°01'51" ♀	19°17'59"	-02°12'43"	-00°21'48"	0.311
16/06/2020 00:00:00	♃	22°28'39" ♀	-05°30'57"	-02°45'21"	00°38'17"	0.911
16/06/2020 00:00:00	♃	25°38'46" ♀	-21°15'39"	-00°15'14"	-00°05'37"	4.264
16/06/2020 00:00:00	♃	00°58'01" ♀	-20°06'49"	-00°10'39"	-00°03'08"	9.172
16/06/2020 00:00:00	♃	09°16'13" ♂	14°09'22"	-00°26'54"	00°02'37"	20.489
16/06/2020 00:00:00	♃	20°56'45" ♀	-04°34'12"	-01°04'04"	00°00'13"	29.836



Ephemerides year 2020

16/06/2020 00:00:00	♁	24°25'12" ♄	-22°10'07"	-00°57'05"	-00°01'13"	33.169
16/06/2020 00:00:00	♁	29°08'07" ♄	23°26'01"	00°00'00"	-00°00'24"	0.003
16/06/2020 00:00:00	♁	09°09'01" ♄	06°08'18"	02°44'00"	00°01'18"	19.067
16/06/2020 00:00:00	♁	15°45'42" ♄	01°38'33"	-04°56'16"	00°06'43"	0.003
16/06/2020 00:00:00	♁	29°08'07" ♄	23°26'01"	00°00'00"	-00°00'24"	0.003
16/06/2020 00:00:00	♁	12°57'58" ♄	00°23'43"	-05°07'34"	-01°00'29"	0.003
16/06/2020 00:00:00	X	24°27'22" ♄	-01°19'17"	-11°35'31"	00°00'20"	96.459
16/06/2020 00:00:00	Y	28°08'06" ♄	08°14'20"	-11°47'01"	00°00'43"	85.391
17/06/2020 00:00:00	♁	26°16'15" ♄	23°23'01"	-00°00'00"	00°57'18"	1.016
17/06/2020 00:00:00	♁	07°11'23" ♄	09°58'27"	-04°09'39"	12°00'44"	0.003
17/06/2020 00:00:00	♁	14°42'31" ♄	21°33'56"	-01°03'56"	00°05'29"	0.633
17/06/2020 00:00:00	♁	06°41'10" ♄	19°03'49"	-02°23'37"	-00°19'33"	0.315
17/06/2020 00:00:00	♁	23°06'52" ♄	-05°17'13"	-02°46'52"	00°38'09"	0.905
17/06/2020 00:00:00	♁	25°33'04" ♄	-21°16'51"	-00°15'24"	-00°05'45"	4.256
17/06/2020 00:00:00	♁	00°54'50" ♄	-20°07'36"	-00°10'45"	-00°03'12"	9.163
17/06/2020 00:00:00	♁	09°18'49" ♄	14°10'11"	-00°26'55"	00°02'35"	20.477
17/06/2020 00:00:00	♁	20°56'58" ♄	-04°34'09"	-01°04'07"	00°00'12"	29.819
17/06/2020 00:00:00	♁	24°23'59" ♄	-22°10'27"	-00°57'11"	-00°01'14"	33.162
17/06/2020 00:00:00	♁	29°07'43" ♄	23°26'01"	00°00'00"	-00°00'21"	0.003

Ephemerides year 2020

17/06/2020 00:00:00	♄	09°10'18" ♎	06°08'53"	02°44'05"	00°01'15"	19.051
17/06/2020 00:00:00	♁	15°52'25" ♎	01°41'20"	-04°56'01"	00°06'43"	0.003
17/06/2020 00:00:00	♅♁	29°07'43" ♋	23°26'01"	00°00'00"	-00°00'21"	0.003
17/06/2020 00:00:00	♅♁	11°46'53" ♎	-00°05'09"	-05°09'05"	-01°22'11"	0.003
17/06/2020 00:00:00	X	24°27'42" ♎	-01°19'14"	-11°35'35"	00°00'20"	96.444
17/06/2020 00:00:00	Y	28°08'50" ♋	08°14'26"	-11°47'04"	00°00'43"	85.383
18/06/2020 00:00:00	♁	27°13'33" ♋	23°24'26"	-00°00'00"	00°57'17"	1.016
18/06/2020 00:00:00	♃	19°16'37" ♋	14°16'51"	-03°23'18"	12°10'13"	0.003
18/06/2020 00:00:00	♁	14°45'44" ♋	21°17'27"	-01°20'10"	00°00'56"	0.622
18/06/2020 00:00:00	♁	06°22'46" ♋	18°50'28"	-02°34'02"	-00°17'14"	0.319
18/06/2020 00:00:00	♂	23°44'57" ♋	-05°03'31"	-02°48'23"	00°38'00"	0.898
18/06/2020 00:00:00	♃	25°27'14" ♋	-21°18'05"	-00°15'34"	-00°05'53"	4.248
18/06/2020 00:00:00	♃	00°51'35" ♋	-20°08'24"	-00°10'51"	-00°03'16"	9.153
18/06/2020 00:00:00	♁	09°21'24" ♋	14°11'00"	-00°26'55"	00°02'33"	20.465
18/06/2020 00:00:00	♁	20°57'10" ♋	-04°34'07"	-01°04'09"	00°00'10"	29.802
18/06/2020 00:00:00	♁	24°22'44" ♋	-22°10'46"	-00°57'18"	-00°01'14"	33.154
18/06/2020 00:00:00	♁	29°07'26" ♋	23°26'01"	00°00'00"	-00°00'13"	0.003
18/06/2020 00:00:00	♄	09°11'32" ♎	06°09'27"	02°44'09"	00°01'13"	19.034
18/06/2020 00:00:00	♁	15°59'08" ♎	01°44'08"	-04°55'46"	00°06'43"	0.003

Ephemerides year 2020

18/06/2020 00:00:00	T♄	29°07'26" ♀	23°26'01"	00°00'00"	-00°00'13"	0.003
18/06/2020 00:00:00	T♄	10°14'50" ♀	-00°42'34"	-05°10'50"	-01°39'59"	0.003
18/06/2020 00:00:00	X	24°28'02" ♀	-01°19'11"	-11°35'40"	00°00'19"	96.429
18/06/2020 00:00:00	Y	28°09'33" ♂	08°14'31"	-11°47'08"	00°00'42"	85.374
19/06/2020 00:00:00	♁	28°10'51" ♀	23°25'26"	-00°00'00"	00°57'17"	1.016
19/06/2020 00:00:00	♂	01°32'43" ♀	18°04'05"	-02°26'58"	12°22'21"	0.003
19/06/2020 00:00:00	♀	14°44'25" ♀	21°01'14"	-01°36'37"	-00°03'33"	0.612
19/06/2020 00:00:00	♀	06°06'42" ♀	18°37'57"	-02°43'59"	-00°14'53"	0.323
19/06/2020 00:00:00	♂	24°22'54" ♀	-04°49'52"	-02°49'54"	00°37'52"	0.892
19/06/2020 00:00:00	♃	25°21'17" ♀	-21°19'21"	-00°15'44"	-00°06'01"	4.240
19/06/2020 00:00:00	♃	00°48'16" ♀	-20°09'13"	-00°10'57"	-00°03'20"	9.144
19/06/2020 00:00:00	♃	09°23'57" ♂	14°11'48"	-00°26'56"	00°02'31"	20.452
19/06/2020 00:00:00	♃	20°57'19" ♀	-04°34'06"	-01°04'12"	00°00'08"	29.785
19/06/2020 00:00:00	♃	24°21'29" ♀	-22°11'06"	-00°57'24"	-00°01'15"	33.147
19/06/2020 00:00:00	♁	29°07'16" ♀	23°26'00"	00°00'00"	-00°00'05"	0.003
19/06/2020 00:00:00	♃	09°12'44" ♀	06°09'59"	02°44'14"	00°01'10"	19.018
19/06/2020 00:00:00	♃	16°05'51" ♀	01°46'56"	-04°55'31"	00°06'43"	0.003
19/06/2020 00:00:00	T♄	29°07'16" ♀	23°26'00"	00°00'00"	-00°00'05"	0.003
19/06/2020 00:00:00	T♄	08°33'26" ♀	-01°23'44"	-05°12'31"	-01°38'18"	0.003

Ephemerides year 2020

19/06/2020 00:00:00	X	24°28'22" ♀	-01°19'08"	-11°35'44"	00°00'19"	96.414
19/06/2020 00:00:00	Y	28°10'16" ♂	08°14'36"	-11°47'12"	00°00'42"	85.366
20/06/2020 00:00:00	☉	29°08'08" ♀	23°26'01"	-00°00'00"	00°57'17"	1.016
20/06/2020 00:00:00	☾	14°01'56" ♀	21°06'47"	-01°22'40"	12°36'20"	0.003
20/06/2020 00:00:00	♁	14°38'38" ♀	20°45'23"	-01°53'11"	-00°07'58"	0.602
20/06/2020 00:00:00	♂	05°53'00" ♀	18°26'18"	-02°53'26"	-00°12'30"	0.328
20/06/2020 00:00:00	♂	25°00'41" ♀	-04°36'15"	-02°51'25"	00°37'43"	0.886
20/06/2020 00:00:00	♃	25°15'12" ♀	-21°20'37"	-00°15'54"	-00°06'08"	4.233
20/06/2020 00:00:00	♄	00°44'54" ♀	-20°10'03"	-00°11'02"	-00°03'24"	9.135
20/06/2020 00:00:00	♅	09°26'28" ♂	14°12'35"	-00°26'56"	00°02'29"	20.439
20/06/2020 00:00:00	♆	20°57'26" ♀	-04°34'05"	-01°04'15"	00°00'06"	29.769
20/06/2020 00:00:00	♇	24°20'13" ♀	-22°11'26"	-00°57'31"	-00°01'16"	33.141
20/06/2020 00:00:00	♈	29°07'14" ♀	23°26'00"	00°00'00"	00°00'00"	0.003
20/06/2020 00:00:00	♉	09°13'53" ♀	06°10'31"	02°44'19"	00°01'07"	19.002
20/06/2020 00:00:00	♊	16°12'35" ♀	01°49'43"	-04°55'15"	00°06'43"	0.003
20/06/2020 00:00:00	T♋	29°07'14" ♀	23°26'00"	00°00'00"	00°00'00"	0.003
20/06/2020 00:00:00	T♌	07°08'47" ♀	-01°58'03"	-05°13'42"	-01°05'19"	0.003
20/06/2020 00:00:00	X	24°28'41" ♀	-01°19'06"	-11°35'49"	00°00'18"	96.399
20/06/2020 00:00:00	Y	28°10'58" ♂	08°14'41"	-11°47'16"	00°00'42"	85.357

Ephemerides year 2020

21/06/2020 00:00:00	♁	00°05'25" ♃	23°26'11"	00°00'00"	00°57'16"	1.016
21/06/2020 00:00:00	♃	26°45'45" ♄	23°10'44"	-00°13'04"	12°51'22"	0.003
21/06/2020 00:00:00	♄	14°28'31" ♃	20°29'59"	-02°09'46"	-00°12'15"	0.594
21/06/2020 00:00:00	♅	05°41'42" ♄	18°15'32"	-03°02'23"	-00°10'06"	0.332
21/06/2020 00:00:00	♆	25°38'20" ♃	-04°22'41"	-02°52'56"	00°37'34"	0.880
21/06/2020 00:00:00	♇	25°08'59" ♃	-21°21'54"	-00°16'04"	-00°06'16"	4.226
21/06/2020 00:00:00	♈	00°41'27" ♃	-20°10'53"	-00°11'08"	-00°03'28"	9.127
21/06/2020 00:00:00	♉	09°28'57" ♃	14°13'22"	-00°26'57"	00°02'27"	20.427
21/06/2020 00:00:00	♊	20°57'31" ♃	-04°34'06"	-01°04'17"	00°00'04"	29.752
21/06/2020 00:00:00	♋	24°18'56" ♃	-22°11'46"	-00°57'37"	-00°01'17"	33.134
21/06/2020 00:00:00	♌	29°07'15" ♄	23°26'00"	00°00'00"	00°00'00"	0.003
21/06/2020 00:00:00	♍	09°14'58" ♃	06°11'01"	02°44'24"	00°01'04"	18.985
21/06/2020 00:00:00	♎	16°19'18" ♃	01°52'31"	-04°55'00"	00°06'43"	0.003
21/06/2020 00:00:00	♏	29°07'15" ♄	23°26'00"	00°00'00"	00°00'00"	0.003
21/06/2020 00:00:00	♐	06°33'28" ♃	-02°12'20"	-05°14'07"	-00°00'44"	0.003
21/06/2020 00:00:00	♑	24°28'59" ♃	-01°19'03"	-11°35'53"	00°00'18"	96.384
21/06/2020 00:00:00	♒	28°11'40" ♃	08°14'45"	-11°47'20"	00°00'42"	85.347
22/06/2020 00:00:00	♁	01°02'41" ♃	23°25'56"	00°00'00"	00°57'16"	1.016
22/06/2020 00:00:00	♃	09°44'45" ♃	24°03'07" ♄	00°58'33"	13°06'37"	0.003

Ephemerides year 2020

22/06/2020 00:00:00	♀	14°14'11" ♃	20°15'07"	-02°26'14"	-00°16'21"	0.586
22/06/2020 00:00:00	♀	05°32'47" ♃	18°05'40"	-03°10'51"	-00°07'43"	0.337
22/06/2020 00:00:00	♂	26°15'50" ♃	-04°09'10"	-02°54'26"	00°37'25"	0.873
22/06/2020 00:00:00	♃	25°02'39" ♃	-21°23'13"	-00°16'13"	-00°06'23"	4.219
22/06/2020 00:00:00	♃	00°37'57" ♃	-20°11'44"	-00°11'14"	-00°03'31"	9.118
22/06/2020 00:00:00	♃	09°31'24" ♃	14°14'08"	-00°26'57"	00°02'25"	20.413
22/06/2020 00:00:00	♃	20°57'34" ♃	-04°34'07"	-01°04'20"	00°00'02"	29.735
22/06/2020 00:00:00	♃	24°17'38" ♃	-22°12'06"	-00°57'44"	-00°01'17"	33.128
22/06/2020 00:00:00	♃	29°07'14" ♃	23°26'00"	00°00'00"	-00°00'04"	0.003
22/06/2020 00:00:00	♃	09°16'01" ♃	06°11'30"	02°44'28"	00°01'01"	18.969
22/06/2020 00:00:00	♃	16°26'01" ♃	01°55'19"	-04°54'44"	00°06'43"	0.003
22/06/2020 00:00:00	T♃	29°07'14" ♃	23°26'00"	00°00'00"	-00°00'04"	0.003
22/06/2020 00:00:00	T♃	07°13'51" ♃	-01°55'58"	-05°13'36"	01°23'16"	0.003
22/06/2020 00:00:00	X	24°29'17" ♃	-01°19'01"	-11°35'58"	00°00'17"	96.368
22/06/2020 00:00:00	Y	28°12'22" ♃	08°14'50"	-11°47'25"	00°00'41"	85.338
23/06/2020 00:00:00	♃	01°59'57" ♃	23°25'17"	00°00'00"	00°57'15"	1.016
23/06/2020 00:00:00	♃	22°58'50" ♃	23°35'21"	02°08'25"	13°21'23"	0.003
23/06/2020 00:00:00	♀	13°55'52" ♃	20°00'52"	-02°42'27"	-00°20'13"	0.579
23/06/2020 00:00:00	♀	05°26'15" ♃	17°56'41"	-03°18'49"	-00°05'20"	0.342

Ephemerides year 2020

23/06/2020 00:00:00	♂	26°53'10" ♈	-03°55'43"	-02°55'57"	00°37'15"	0.867
23/06/2020 00:00:00	♃	24°56'13" ♈	-21°24'32"	-00°16'23"	-00°06'29"	4.212
23/06/2020 00:00:00	♅	00°34'23" ♋	-20°12'36"	-00°11'20"	-00°03'35"	9.110
23/06/2020 00:00:00	♁	09°33'49" ♈	14°14'53"	-00°26'58"	00°02'23"	20.400
23/06/2020 00:00:00	♃	20°57'36" ♈	-04°34'09"	-01°04'23"	00°00'00"	29.719
23/06/2020 00:00:00	♃	24°16'20" ♈	-22°12'26"	-00°57'50"	-00°01'18"	33.122
23/06/2020 00:00:00	♁	29°07'05" ♋	23°26'00"	00°00'00"	-00°00'14"	0.003
23/06/2020 00:00:00	♃	09°17'01" ♈	06°11'58"	02°44'33"	00°00'58"	18.953
23/06/2020 00:00:00	♃	16°32'44" ♈	01°58'07"	-04°54'28"	00°06'43"	0.003
23/06/2020 00:00:00	♁	29°07'05" ♋	23°26'00"	00°00'00"	-00°00'14"	0.003
23/06/2020 00:00:00	♃	09°20'24" ♈	-01°04'36"	-05°11'42"	02°48'29"	0.003
23/06/2020 00:00:00	X	24°29'34" ♈	-01°19'00"	-11°36'03"	00°00'16"	96.353
23/06/2020 00:00:00	Y	28°13'04" ♈	08°14'54"	-11°47'29"	00°00'41"	85.328
24/06/2020 00:00:00	♁	02°57'13" ♋	23°24'13"	00°00'00"	00°57'15"	1.016
24/06/2020 00:00:00	♃	06°27'10" ♈	21°45'40"	03°12'24"	13°35'05"	0.003
24/06/2020 00:00:00	♃	13°33'50" ♋	19°47'21"	-02°58'16"	-00°23'48"	0.573
24/06/2020 00:00:00	♀	05°22'06" ♋	17°48'35"	-03°26'19"	-00°02'58"	0.347
24/06/2020 00:00:00	♂	27°30'21" ♈	-03°42'19"	-02°57'27"	00°37'05"	0.861
24/06/2020 00:00:00	♃	24°49'40" ♈	-21°25'52"	-00°16'33"	-00°06'36"	4.206

Ephemerides year 2020

24/06/2020 00:00:00	♃	00°30'46" ♊	-20°13'28"	-00°11'26"	-00°03'38"	9.102
24/06/2020 00:00:00	♅	09°36'12" ♋	14°15'37"	-00°26'59"	00°02'21"	20.387
24/06/2020 00:00:00	♆	20°57'35" ♌	-04°34'12"	-01°04'25"	-00°00'01"	29.702
24/06/2020 00:00:00	♁	24°15'01" ♍	-22°12'46"	-00°57'56"	-00°01'19"	33.117
24/06/2020 00:00:00	♄	29°06'45" ♎	23°26'00"	00°00'00"	-00°00'24"	0.003
24/06/2020 00:00:00	♂	09°17'58" ♏	06°12'25"	02°44'38"	00°00'55"	18.936
24/06/2020 00:00:00	♁	16°39'27" ♏	02°00'55"	-04°54'12"	00°06'43"	0.003
24/06/2020 00:00:00	♄♁	29°06'45" ♎	23°26'00"	00°00'00"	-00°00'24"	0.003
24/06/2020 00:00:00	♁♃	12°45'10" ♏	00°18'36"	-05°07'46"	03°56'50"	0.003
24/06/2020 00:00:00	X	24°29'51" ♏	-01°18'58"	-11°36'07"	00°00'16"	96.337
24/06/2020 00:00:00	Y	28°13'45" ♋	08°14'58"	-11°47'34"	00°00'40"	85.318
25/06/2020 00:00:00	♁	03°54'28" ♋	23°22'44"	00°00'00"	00°57'14"	1.017
25/06/2020 00:00:00	♃	20°08'29" ♌	18°39'39"	04°06'27"	13°47'15"	0.003
25/06/2020 00:00:00	♁	13°08'22" ♋	19°34'37"	-03°13'33"	-00°27'02"	0.569
25/06/2020 00:00:00	♁	05°20'17" ♎	17°41'22"	-03°33'19"	-00°00'39"	0.352
25/06/2020 00:00:00	♁	28°07'21" ♌	-03°28'59"	-02°58'58"	00°36'55"	0.855
25/06/2020 00:00:00	♁	24°43'00" ♍	-21°27'13"	-00°16'43"	-00°06'42"	4.200
25/06/2020 00:00:00	♃	00°27'05" ♊	-20°14'21"	-00°11'31"	-00°03'42"	9.094
25/06/2020 00:00:00	♅	09°38'32" ♋	14°16'21"	-00°26'59"	00°02'19"	20.373



Ephemerides year 2020

25/06/2020 00:00:00	♁	20°57'33" ♈	-04°34'15"	-01°04'28"	-00°00'03"	29.686
25/06/2020 00:00:00	♁	24°13'41" ♈	-22°13'06"	-00°58'02"	-00°01'20"	33.111
25/06/2020 00:00:00	♁	29°06'16" ♈	23°26'00"	00°00'00"	-00°00'32"	0.003
25/06/2020 00:00:00	♁	09°18'51" ♈	06°12'51"	02°44'43"	00°00'52"	18.919
25/06/2020 00:00:00	♁	16°46'10" ♈	02°03'43"	-04°53'56"	00°06'43"	0.003
25/06/2020 00:00:00	♁	29°06'16" ♈	23°26'00"	00°00'00"	-00°00'32"	0.003
25/06/2020 00:00:00	♁	17°03'14" ♈	02°03'24"	-05°01'16"	04°32'47"	0.003
25/06/2020 00:00:00	X	24°30'07" ♈	-01°18'57"	-11°36'12"	00°00'15"	96.322
25/06/2020 00:00:00	Y	28°14'25" ♈	08°15'02"	-11°47'38"	00°00'40"	85.308
26/06/2020 00:00:00	♁	04°51'42" ♈	23°20'50"	00°00'00"	00°57'14"	1.017
26/06/2020 00:00:00	♁	04°01'05" ♈	14°29'02"	04°46'52"	13°57'36"	0.002
26/06/2020 00:00:00	♁	12°39'53" ♈	19°22'45"	-03°28'10"	-00°29'51"	0.565
26/06/2020 00:00:00	♀	05°20'46" ♈	17°35'00"	-03°39'52"	00°01'38"	0.358
26/06/2020 00:00:00	♂	28°44'11" ♈	-03°15'43"	-03°00'28"	00°36'44"	0.848
26/06/2020 00:00:00	♁	24°36'14" ♈	-21°28'35"	-00°16'52"	-00°06'48"	4.194
26/06/2020 00:00:00	♁	00°23'21" ♈	-20°15'15"	-00°11'37"	-00°03'45"	9.087
26/06/2020 00:00:00	♁	09°40'50" ♈	14°17'04"	-00°27'00"	00°02'17"	20.359
26/06/2020 00:00:00	♁	20°57'28" ♈	-04°34'19"	-01°04'31"	-00°00'05"	29.669
26/06/2020 00:00:00	♁	24°12'21" ♈	-22°13'27"	-00°58'09"	-00°01'20"	33.106

Ephemerides year 2020

26/06/2020 00:00:00	♁	29°05'42" ♀	23°26'00"	00°00'00"	-00°00'33"	0.003
26/06/2020 00:00:00	♋	09°19'42" ♀	06°13'15"	02°44'48"	00°00'49"	18.903
26/06/2020 00:00:00	♁	16°52'53" ♀	02°06'31"	-04°53'39"	00°06'42"	0.003
26/06/2020 00:00:00	♁♁	29°05'42" ♀	23°26'00"	00°00'00"	-00°00'33"	0.003
26/06/2020 00:00:00	♁♁	21°36'18" ♀	03°53'41"	-04°52'34"	04°25'45"	0.003
26/06/2020 00:00:00	X	24°30'22" ♀	-01°18'56"	-11°36'17"	00°00'15"	96.306
26/06/2020 00:00:00	Y	28°15'05" ♂	08°15'06"	-11°47'43"	00°00'39"	85.297
27/06/2020 00:00:00	♁	05°48'56" ♀	23°18'32"	00°00'00"	00°57'13"	1.017
27/06/2020 00:00:00	♁	18°03'02" ♀	09°29'15"	05°10'44"	14°05'57"	0.002
27/06/2020 00:00:00	♁	12°08'48" ♀	19°11'50"	-03°41'56"	-00°32'13"	0.562
27/06/2020 00:00:00	♁	05°23'33" ♀	17°29'30"	-03°45'57"	00°03'53"	0.363
27/06/2020 00:00:00	♁	29°20'51" ♀	-03°02'30"	-03°01'58"	00°36'34"	0.842
27/06/2020 00:00:00	♁	24°29'23" ♀	-21°29'58"	-00°17'02"	-00°06'54"	4.189
27/06/2020 00:00:00	♁	00°19'34" ♀	-20°16'10"	-00°11'43"	-00°03'48"	9.080
27/06/2020 00:00:00	♁	09°43'06" ♂	14°17'47"	-00°27'01"	00°02'14"	20.345
27/06/2020 00:00:00	♁	20°57'21" ♀	-04°34'25"	-01°04'33"	-00°00'07"	29.653
27/06/2020 00:00:00	♁	24°10'59" ♀	-22°13'47"	-00°58'15"	-00°01'21"	33.101
27/06/2020 00:00:00	♁	29°05'12" ♀	23°26'00"	00°00'00"	-00°00'24"	0.003
27/06/2020 00:00:00	♁	09°20'29" ♀	06°13'39"	02°44'53"	00°00'45"	18.886

Ephemerides year 2020

27/06/2020 00:00:00	☾	16°59'36" ♀	02°09'19"	-04°53'23"	00°06'42"	0.003
27/06/2020 00:00:00	♄	29°05'12" ♀	23°26'00"	00°00'00"	-00°00'24"	0.003
27/06/2020 00:00:00	♃	25°40'36" ♀	05°31'22"	-04°43'14"	03°37'00"	0.003
27/06/2020 00:00:00	X	24°30'37" ♀	-01°18'55"	-11°36'22"	00°00'14"	96.290
27/06/2020 00:00:00	Y	28°15'45" ♂	08°15'09"	-11°47'48"	00°00'39"	85.286
28/06/2020 00:00:00	☉	06°46'09" ♀	23°15'49"	00°00'00"	00°57'12"	1.017
28/06/2020 00:00:00	☾	02°12'15" ♀	03°57'25"	05°16'05"	14°12'05"	0.002
28/06/2020 00:00:00	♁	11°35'37" ♀	19°01'58"	-03°54'44"	-00°34'04"	0.560
28/06/2020 00:00:00	♂	05°28'33" ♀	17°24'49"	-03°51'35"	00°06'06"	0.369
28/06/2020 00:00:00	♂	29°57'20" ♀	-02°49'22"	-03°03'28"	00°36'23"	0.836
28/06/2020 00:00:00	♂	24°22'25" ♀	-21°31'21"	-00°17'11"	-00°06'59"	4.184
28/06/2020 00:00:00	♃	00°15'44" ♀	-20°17'04"	-00°11'49"	-00°03'51"	9.073
28/06/2020 00:00:00	♂	09°45'20" ♂	14°18'28"	-00°27'01"	00°02'12"	20.331
28/06/2020 00:00:00	♁	20°57'13" ♀	-04°34'30"	-01°04'36"	-00°00'09"	29.637
28/06/2020 00:00:00	♂	24°09'38" ♀	-22°14'08"	-00°58'21"	-00°01'22"	33.097
28/06/2020 00:00:00	♄	29°04'56" ♀	23°26'00"	00°00'00"	-00°00'07"	0.003
28/06/2020 00:00:00	♂	09°21'14" ♀	06°14'01"	02°44'58"	00°00'42"	18.870
28/06/2020 00:00:00	☾	17°06'19" ♀	02°12'08"	-04°53'06"	00°06'42"	0.003
28/06/2020 00:00:00	♄	29°04'56" ♀	23°26'00"	00°00'00"	-00°00'07"	0.003

Ephemerides year 2020

28/06/2020 00:00:00	T♄	28°43'12" ♀	06°43'30"	-04°35'20"	02°27'29"	0.003
28/06/2020 00:00:00	X	24°30'51" ♀	-01°18'55"	-11°36'27"	00°00'13"	96.274
28/06/2020 00:00:00	Y	28°16'24" ♂	08°15'13"	-11°47'53"	00°00'39"	85.276
29/06/2020 00:00:00	☉	07°43'21" ♁	23°12'41"	00°00'00"	00°57'12"	1.017
29/06/2020 00:00:00	☾	16°26'26" ♁	-01°48'34"	05°02'13"	14°15'51"	0.002
29/06/2020 00:00:00	♀	11°00'51" ♁♄	18°53'11"	-04°06'25"	-00°35'21"	0.560
29/06/2020 00:00:00	♀	05°35'44" ♀	17°20'55"	-03°56'47"	00°08'15"	0.375
29/06/2020 00:00:00	♂	00°33'38" ♀	-02°36'18"	-03°04'57"	00°36'12"	0.830
29/06/2020 00:00:00	♃	24°15'23" ♁♄	-21°32'45"	-00°17'21"	-00°07'04"	4.179
29/06/2020 00:00:00	♅	00°11'51" ♁♄	-20°18'00"	-00°11'54"	-00°03'54"	9.067
29/06/2020 00:00:00	♁	09°47'32" ♂	14°19'09"	-00°27'02"	00°02'10"	20.317
29/06/2020 00:00:00	♃	20°57'02" ♁♄	-04°34'37"	-01°04'39"	-00°00'11"	29.621
29/06/2020 00:00:00	♁	24°08'15" ♁♄	-22°14'28"	-00°58'27"	-00°01'22"	33.093
29/06/2020 00:00:00	♁	29°04'59" ♀	23°26'00"	00°00'00"	00°00'15"	0.003
29/06/2020 00:00:00	♃	09°21'55" ♀	06°14'22"	02°45'03"	00°00'39"	18.853
29/06/2020 00:00:00	♄	17°13'02" ♀	02°14'56"	-04°52'49"	00°06'42"	0.003
29/06/2020 00:00:00	T♁	29°04'59" ♀	23°26'00"	00°00'00"	00°00'15"	0.003
29/06/2020 00:00:00	T♄	00°40'00" ♂	07°29'09"	-04°29'52"	01°30'39"	0.003
29/06/2020 00:00:00	X	24°31'05" ♀	-01°18'55"	-11°36'32"	00°00'13"	96.258

Ephemerides year 2020

29/06/2020 00:00:00	Y	28°17'03" ♂	08°15'16"	-11°47'58"	00°00'38"	85.264
30/06/2020 00:00:00	☉	08°40'34" ♉	23°09'10"	00°00'00"	00°57'11"	1.017
30/06/2020 00:00:00	☾	00°43'05" ♎	-07°30'21"	04°29'44"	14°16'57"	0.002
30/06/2020 00:00:00	♀	10°25'06" ♉	18°45'33"	-04°16'51"	-00°36'03"	0.560
30/06/2020 00:00:00	♀	05°45'04" ♉	17°17'49"	-04°01'34"	00°10'22"	0.381
30/06/2020 00:00:00	♂	01°09'46" ♏	-02°23'19"	-03°06'27"	00°36'01"	0.824
30/06/2020 00:00:00	♃	24°08'16" ♉	-21°34'09"	-00°17'30"	-00°07'09"	4.174
30/06/2020 00:00:00	♅	00°07'55" ♋	-20°18'56"	-00°12'00"	-00°03'57"	9.060
30/06/2020 00:00:00	♁	09°49'41" ♂	14°19'49"	-00°27'03"	00°02'08"	20.303
30/06/2020 00:00:00	♃	20°56'50" ♉	-04°34'44"	-01°04'41"	-00°00'13"	29.605
30/06/2020 00:00:00	♁	24°06'52" ♉	-22°14'49"	-00°58'33"	-00°01'23"	33.089
30/06/2020 00:00:00	♁	29°05'26" ♉	23°26'00"	00°00'00"	00°00'37"	0.003
30/06/2020 00:00:00	♃	09°22'33" ♏	06°14'41"	02°45'08"	00°00'36"	18.837
30/06/2020 00:00:00	♃	17°19'45" ♏	02°17'44"	-04°52'33"	00°06'42"	0.003
30/06/2020 00:00:00	T♁	29°05'26" ♉	23°26'00"	00°00'00"	00°00'37"	0.003
30/06/2020 00:00:00	T♃	01°55'58" ♂	07°58'37"	-04°26'09"	01°06'38"	0.003
30/06/2020 00:00:00	X	24°31'18" ♏	-01°18'55"	-11°36'37"	00°00'12"	96.242
30/06/2020 00:00:00	Y	28°17'42" ♂	08°15'18"	-11°48'03"	00°00'38"	85.253
01/07/2020 00:00:00	☉	09°37'45" ♉	23°05'13"	00°00'00"	00°57'11"	1.017

Ephemerides year 2020

01/07/2020 00:00:00	♃	14°59'22"	♍	-12°48'46"	03°40'37"	14°15'06"	0.002
01/07/2020 00:00:00	♆	09°48'56"	♁	18°39'09"	-04°25'57"	-00°36'08"	0.562
01/07/2020 00:00:00	♀	05°56'28"	♈	17°15'27"	-04°05'56"	00°12'26"	0.387
01/07/2020 00:00:00	♂	01°45'42"	♏	-02°10'24"	-03°07'56"	00°35'50"	0.818
01/07/2020 00:00:00	♃	24°01'04"	♁	-21°35'34"	-00°17'40"	-00°07'13"	4.170
01/07/2020 00:00:00	♃	00°03'57"	♁	-20°19'52"	-00°12'06"	-00°03'59"	9.054
01/07/2020 00:00:00	♃	09°51'48"	♁	14°20'28"	-00°27'04"	00°02'05"	20.288
01/07/2020 00:00:00	♃	20°56'36"	♁	-04°34'52"	-01°04'44"	-00°00'15"	29.589
01/07/2020 00:00:00	♃	24°05'29"	♁	-22°15'09"	-00°58'39"	-00°01'23"	33.085
01/07/2020 00:00:00	♁	29°06'12"	♈	23°26'00"	00°00'00"	00°00'51"	0.003
01/07/2020 00:00:00	♃	09°23'09"	♏	06°15'00"	02°45'13"	00°00'33"	18.820
01/07/2020 00:00:00	♃	17°26'28"	♏	02°20'32"	-04°52'15"	00°06'42"	0.003
01/07/2020 00:00:00	T♁	29°06'12"	♈	23°26'00"	00°00'00"	00°00'51"	0.003
01/07/2020 00:00:00	T♃	03°01'11"	♁	08°23'46"	-04°22'51"	01°05'44"	0.003
01/07/2020 00:00:00	X	24°31'30"	♏	-01°18'55"	-11°36'42"	00°00'12"	96.226
01/07/2020 00:00:00	Y	28°18'20"	♁	08°15'21"	-11°48'09"	00°00'37"	85.241
02/07/2020 00:00:00	♁	10°34'57"	♁	23°00'53"	00°00'00"	00°57'11"	1.017
02/07/2020 00:00:00	♃	29°12'13"	♍	-17°24'13"	02°38'06"	14°10'01"	0.002
02/07/2020 00:00:00	♆	09°13'01"	♁	18°33'59"	-04°33'36"	-00°35'36"	0.565

Ephemerides year 2020

02/07/2020 00:00:00	♀	06°09'55" ♀	17°13'48"	-04°09'54"	00°14'26"	0.394
02/07/2020 00:00:00	♂	02°21'27" ♂	-01°57'34"	-03°09'25"	00°35'39"	0.812
02/07/2020 00:00:00	♃	23°53'49" ♁	-21°36'59"	-00°17'49"	-00°07'17"	4.166
02/07/2020 00:00:00	♄	29°59'56" ♁	-20°20'49"	-00°12'11"	-00°04'02"	9.049
02/07/2020 00:00:00	♅	09°53'52" ♂	14°21'07"	-00°27'04"	00°02'03"	20.274
02/07/2020 00:00:00	♆	20°56'19" ♃	-04°35'01"	-01°04'47"	-00°00'17"	29.573
02/07/2020 00:00:00	♇	24°04'05" ♁	-22°15'30"	-00°58'46"	-00°01'23"	33.081
02/07/2020 00:00:00	♁	29°07'05" ♀	23°26'00"	00°00'00"	00°00'52"	0.003
02/07/2020 00:00:00	♂	09°23'41" ♂	06°15'17"	02°45'18"	00°00'30"	18.803
02/07/2020 00:00:00	♁	17°33'11" ♂	02°23'21"	-04°51'58"	00°06'43"	0.003
02/07/2020 00:00:00	T♁	29°07'05" ♀	23°26'00"	00°00'00"	00°00'52"	0.003
02/07/2020 00:00:00	T♁	04°07'20" ♂	08°49'09"	-04°19'23"	01°04'44"	0.003
02/07/2020 00:00:00	X	24°31'42" ♂	-01°18'56"	-11°36'47"	00°00'11"	96.210
02/07/2020 00:00:00	Y	28°18'57" ♂	08°15'23"	-11°48'14"	00°00'37"	85.230
03/07/2020 00:00:00	♃	11°32'08" ♃	22°56'08"	00°00'00"	00°57'11"	1.017
03/07/2020 00:00:00	♄	13°18'18" ♂	-20°57'48"	01°26'27"	14°01'34"	0.002
03/07/2020 00:00:00	♅	08°37'55" ♃	18°30'08"	-04°39'45"	-00°34'27"	0.569
03/07/2020 00:00:00	♀	06°25'20" ♀	17°12'50"	-04°13'29"	00°16'23"	0.400
03/07/2020 00:00:00	♂	02°57'00" ♂	-01°44'49"	-03°10'54"	00°35'27"	0.806

Ephemerides year 2020

03/07/2020 00:00:00	♃	23°46'29" ♏	-21°38'24"	-00°17'59"	-00°07'21"	4.162
03/07/2020 00:00:00	♅	29°55'52" ♏	-20°21'46"	-00°12'17"	-00°04'04"	9.043
03/07/2020 00:00:00	♁	09°55'55" ♏	14°21'45"	-00°27'05"	00°02'01"	20.259
03/07/2020 00:00:00	♆	20°56'01" ♏	-04°35'11"	-01°04'49"	-00°00'18"	29.557
03/07/2020 00:00:00	♄	24°02'41" ♏	-22°15'51"	-00°58'52"	-00°01'24"	33.078
03/07/2020 00:00:00	♁	29°07'51" ♏	23°26'01"	00°00'00"	00°00'36"	0.003
03/07/2020 00:00:00	♃	09°24'10" ♏	06°15'33"	02°45'23"	00°00'27"	18.787
03/07/2020 00:00:00	♁	17°39'54" ♏	02°26'09"	-04°51'41"	00°06'43"	0.003
03/07/2020 00:00:00	♁	29°07'51" ♏	23°26'01"	00°00'00"	00°00'36"	0.003
03/07/2020 00:00:00	♁	05°04'45" ♏	09°11'06"	-04°16'13"	00°46'28"	0.003
03/07/2020 00:00:00	X	24°31'54" ♏	-01°18'57"	-11°36'52"	00°00'11"	96.193
03/07/2020 00:00:00	Y	28°19'34" ♏	08°15'26"	-11°48'20"	00°00'36"	85.218
04/07/2020 00:00:00	♁	12°29'19" ♏	22°51'00"	00°00'00"	00°57'10"	1.017
04/07/2020 00:00:00	♁	27°14'17" ♏	-23°13'57"	00°10'30"	13°49'52"	0.003
04/07/2020 00:00:00	♁	08°04'18" ♏	18°27'36"	-04°44'20"	-00°32'42"	0.575
04/07/2020 00:00:00	♁	06°42'40" ♏	17°12'32"	-04°16'42"	00°18'16"	0.406
04/07/2020 00:00:00	♁	03°32'21" ♏	-01°32'09"	-03°12'22"	00°35'15"	0.800
04/07/2020 00:00:00	♃	23°39'05" ♏	-21°39'49"	-00°18'08"	-00°07'25"	4.159
04/07/2020 00:00:00	♅	29°51'47" ♏	-20°22'43"	-00°12'23"	-00°04'06"	9.038



Ephemerides year 2020

04/07/2020 00:00:00	♃	09°57'55" ♀	14°22'22"	-00°27'06"	00°01'58"	20.244
04/07/2020 00:00:00	♃	20°55'42" ♀	-04°35'21"	-01°04'52"	-00°00'20"	29.541
04/07/2020 00:00:00	♃	24°01'17" ♀	-22°16'11"	-00°58'58"	-00°01'24"	33.075
04/07/2020 00:00:00	♃	29°08'14" ♀	23°26'01"	00°00'00"	00°00'05"	0.003
04/07/2020 00:00:00	♃	09°24'37" ♀	06°15'48"	02°45'28"	00°00'24"	18.770
04/07/2020 00:00:00	♃	17°46'37" ♀	02°28'58"	-04°51'23"	00°06'43"	0.003
04/07/2020 00:00:00	♃	29°08'14" ♀	23°26'01"	00°00'00"	00°00'05"	0.003
04/07/2020 00:00:00	♃	05°32'48" ♀	09°21'53"	-04°14'33"	00°06'04"	0.003
04/07/2020 00:00:00	X	24°32'04" ♀	-01°18'58"	-11°36'58"	00°00'10"	96.177
04/07/2020 00:00:00	Y	28°20'11" ♀	08°15'28"	-11°48'25"	00°00'36"	85.206
05/07/2020 00:00:00	♃	13°26'30" ♀	22°45'28"	-00°00'00"	00°57'10"	1.017
05/07/2020 00:00:00	♃	10°57'05" ♀	-24°03'42"	-01°04'50"	13°35'18"	0.003
05/07/2020 00:00:00	♃	07°32'43" ♀	18°26'23"	-04°47'20"	-00°30'22"	0.581
05/07/2020 00:00:00	♃	07°01'52" ♀	17°12'51"	-04°19'34"	00°20'06"	0.413
05/07/2020 00:00:00	♃	04°07'30" ♀	-01°19'34"	-03°13'51"	00°35'02"	0.794
05/07/2020 00:00:00	♃	23°31'38" ♀	-21°41'15"	-00°18'17"	-00°07'28"	4.155
05/07/2020 00:00:00	♃	29°47'39" ♀	-20°23'41"	-00°12'28"	-00°04'08"	9.033
05/07/2020 00:00:00	♃	09°59'52" ♀	14°22'58"	-00°27'07"	00°01'56"	20.229
05/07/2020 00:00:00	♃	20°55'20" ♀	-04°35'32"	-01°04'54"	-00°00'22"	29.526

Ephemerides year 2020

05/07/2020 00:00:00	♁	23°59'52" ♏	-22°16'32"	-00°59'04"	-00°01'24"	33.073
05/07/2020 00:00:00	♁	29°07'59" ♏	23°26'01"	00°00'00"	-00°00'36"	0.003
05/07/2020 00:00:00	♁	09°25'00" ♏	06°16'02"	02°45'33"	00°00'21"	18.753
05/07/2020 00:00:00	♁	17°53'20" ♏	02°31'46"	-04°51'06"	00°06'43"	0.003
05/07/2020 00:00:00	♁	29°07'59" ♏	23°26'01"	00°00'00"	-00°00'36"	0.003
05/07/2020 00:00:00	♁	05°11'15" ♏	09°13'56"	-04°15'29"	-00°51'02"	0.003
05/07/2020 00:00:00	X	24°32'14" ♏	-01°18'59"	-11°37'03"	00°00'09"	96.161
05/07/2020 00:00:00	Y	28°20'47" ♏	08°15'30"	-11°48'31"	00°00'36"	85.193
06/07/2020 00:00:00	♁	14°23'41" ♏	22°39'32"	-00°00'00"	00°57'10"	1.017
06/07/2020 00:00:00	♁	24°24'11" ♏	-23°27'01"	-02°15'03"	13°18'37"	0.003
06/07/2020 00:00:00	♁	07°03'44" ♏	18°26'31"	-04°48'46"	-00°27'29"	0.589
06/07/2020 00:00:00	♁	07°22'52" ♏	17°13'45"	-04°22'04"	00°21'53"	0.420
06/07/2020 00:00:00	♁	04°42'26" ♏	-01°07'04"	-03°15'19"	00°34'49"	0.788
06/07/2020 00:00:00	♁	23°24'08" ♏	-21°42'41"	-00°18'26"	-00°07'31"	4.152
06/07/2020 00:00:00	♁	29°43'29" ♏	-20°24'39"	-00°12'34"	-00°04'10"	9.029
06/07/2020 00:00:00	♁	10°01'48" ♏	14°23'34"	-00°27'07"	00°01'53"	20.214
06/07/2020 00:00:00	♁	20°54'56" ♏	-04°35'43"	-01°04'57"	-00°00'24"	29.510
06/07/2020 00:00:00	♁	23°58'27" ♏	-22°16'53"	-00°59'10"	-00°01'25"	33.071
06/07/2020 00:00:00	♁	29°06'59" ♏	23°26'00"	00°00'00"	-00°01'22"	0.003

Ephemerides year 2020

06/07/2020 00:00:00	♄	09°25'20" ♏	06°16'15"	02°45'38"	00°00'18"	18.737
06/07/2020 00:00:00	♁	18°00'03" ♏	02°34'35"	-04°50'48"	00°06'43"	0.003
06/07/2020 00:00:00	♄♁	29°06'59" ♏	23°26'00"	00°00'00"	-00°01'22"	0.003
06/07/2020 00:00:00	♄♁	03°49'32" ♏	08°43'04"	-04°19'33"	-01°51'30"	0.003
06/07/2020 00:00:00	X	24°32'24" ♏	-01°19'00"	-11°37'08"	00°00'09"	96.144
06/07/2020 00:00:00	Y	28°21'23" ♏	08°15'31"	-11°48'37"	00°00'35"	85.181
07/07/2020 00:00:00	♁	15°20'52" ♏	22°33'12"	-00°00'00"	00°57'11"	1.017
07/07/2020 00:00:00	♃	07°33'58" ♏	-21°32'24"	-03°16'27"	13°00'51"	0.003
07/07/2020 00:00:00	♁	06°37'53" ♏	18°27'57"	-04°48'37"	-00°24'08"	0.597
07/07/2020 00:00:00	♁	07°45'37" ♏	17°15'12"	-04°24'15"	00°23'35"	0.427
07/07/2020 00:00:00	♁	05°17'10" ♏	-00°54'41"	-03°16'46"	00°34'36"	0.782
07/07/2020 00:00:00	♁	23°16'35" ♏	-21°44'07"	-00°18'35"	-00°07'34"	4.150
07/07/2020 00:00:00	♁	29°39'17" ♏	-20°25'38"	-00°12'40"	-00°04'12"	9.024
07/07/2020 00:00:00	♁	10°03'40" ♏	14°24'08"	-00°27'08"	00°01'51"	20.199
07/07/2020 00:00:00	♁	20°54'31" ♏	-04°35'56"	-01°05'00"	-00°00'26"	29.495
07/07/2020 00:00:00	♁	23°57'01" ♏	-22°17'14"	-00°59'16"	-00°01'25"	33.069
07/07/2020 00:00:00	♁	29°05'15" ♏	23°26'00"	00°00'00"	-00°02'03"	0.003
07/07/2020 00:00:00	♄	09°25'37" ♏	06°16'26"	02°45'43"	00°00'15"	18.720
07/07/2020 00:00:00	♁	18°06'46" ♏	02°37'23"	-04°50'30"	00°06'42"	0.003

Ephemerides year 2020

07/07/2020 00:00:00	T♄	29°05'15" ♀	23°26'00"	00°00'00"	-00°02'03"	0.003
07/07/2020 00:00:00	T♄	01°33'01" ♂	07°50'48"	-04°26'09"	-02°37'43"	0.003
07/07/2020 00:00:00	X	24°32'33" ♀	-01°19'02"	-11°37'13"	00°00'08"	96.128
07/07/2020 00:00:00	Y	28°21'58" ♂	08°15'33"	-11°48'43"	00°00'34"	85.168
08/07/2020 00:00:00	☉	16°18'03" ♀	22°26'30"	-00°00'00"	00°57'11"	1.017
08/07/2020 00:00:00	☾	20°25'54" ♀	-18°33'59"	-04°06'22"	12°43'08"	0.003
08/07/2020 00:00:00	♃	06°15'37" ♀	18°30'40"	-04°46'56"	-00°20'19"	0.607
08/07/2020 00:00:00	♀	08°10'03" ♀	17°17'11"	-04°26'06"	00°25'15"	0.433
08/07/2020 00:00:00	♂	05°51'40" ♀	-00°42'23"	-03°18'14"	00°34'23"	0.776
08/07/2020 00:00:00	♂	23°09'00" ♀	-21°45'32"	-00°18'44"	-00°07'36"	4.147
08/07/2020 00:00:00	♃	29°35'03" ♀	-20°26'37"	-00°12'45"	-00°04'14"	9.020
08/07/2020 00:00:00	♃	10°05'31" ♂	14°24'42"	-00°27'09"	00°01'48"	20.183
08/07/2020 00:00:00	♃	20°54'04" ♀	-04°36'09"	-01°05'02"	-00°00'28"	29.480
08/07/2020 00:00:00	♂	23°55'36" ♀	-22°17'34"	-00°59'21"	-00°01'25"	33.067
08/07/2020 00:00:00	♁	29°02'57" ♀	23°25'59"	00°00'00"	-00°02'30"	0.003
08/07/2020 00:00:00	♃	09°25'50" ♀	06°16'36"	02°45'48"	00°00'12"	18.704
08/07/2020 00:00:00	♃	18°13'29" ♀	02°40'12"	-04°50'12"	00°06'42"	0.003
08/07/2020 00:00:00	T♄	29°02'57" ♀	23°25'59"	00°00'00"	-00°02'30"	0.003
08/07/2020 00:00:00	T♄	28°43'39" ♀	06°45'02"	-04°33'51"	-02°55'42"	0.003

Ephemerides year 2020

08/07/2020 00:00:00	X	24°32'41" ♀	-01°19'04"	-11°37'19"	00°00'07"	96.111
08/07/2020 00:00:00	Y	28°22'33" ♂	08°15'34"	-11°48'49"	00°00'34"	85.155
09/07/2020 00:00:00	☉	17°15'14" ♁	22°19'24"	-00°00'00"	00°57'11"	1.017
09/07/2020 00:00:00	☾	03°00'39" ♀	-14°47'43"	-04°43'08"	12°26'40"	0.003
09/07/2020 00:00:00	♁	05°57'21" ♁	18°34'37"	-04°43'48"	-00°16'08"	0.618
09/07/2020 00:00:00	♂	08°36'06" ♀	17°19'38"	-04°27'39"	00°26'51"	0.440
09/07/2020 00:00:00	♂	06°25'56" ♀	-00°30'11"	-03°19'40"	00°34'09"	0.770
09/07/2020 00:00:00	♃	23°01'22" ♁	-21°46'58"	-00°18'53"	-00°07'38"	4.145
09/07/2020 00:00:00	♄	29°30'47" ♁	-20°27'36"	-00°12'51"	-00°04'16"	9.017
09/07/2020 00:00:00	♅	10°07'18" ♂	14°25'15"	-00°27'10"	00°01'46"	20.168
09/07/2020 00:00:00	♆	20°53'34" ♀	-04°36'23"	-01°05'05"	-00°00'30"	29.465
09/07/2020 00:00:00	♇	23°54'09" ♁	-22°17'55"	-00°59'27"	-00°01'26"	33.066
09/07/2020 00:00:00	♈	29°00'22" ♀	23°25'58"	00°00'00"	-00°02'37"	0.003
09/07/2020 00:00:00	♉	09°26'01" ♀	06°16'45"	02°45'53"	00°00'09"	18.687
09/07/2020 00:00:00	♊	18°20'12" ♀	02°43'01"	-04°49'54"	00°06'42"	0.003
09/07/2020 00:00:00	T♈	29°00'22" ♀	23°25'58"	00°00'00"	-00°02'37"	0.003
09/07/2020 00:00:00	T♉	25°51'44" ♀	05°37'24"	-04°41'02"	-02°43'45"	0.003
09/07/2020 00:00:00	X	24°32'49" ♀	-01°19'06"	-11°37'24"	00°00'07"	96.095
09/07/2020 00:00:00	Y	28°23'07" ♂	08°15'35"	-11°48'55"	00°00'33"	85.142

Ephemerides year 2020

10/07/2020 00:00:00	♁	18°12'26"	♁	22°11'54"	-00°00'00"	00°57'11"	1.017
10/07/2020 00:00:00	♃	15°20'01"	♃	-10°28'38"	-05°05'56"	12°12'33"	0.003
10/07/2020 00:00:00	♄	05°43'27"	♄	18°39'46"	-04°39'15"	-00°11'37"	0.631
10/07/2020 00:00:00	♅	09°03'44"	♅	17°22'33"	-04°28'54"	00°28'23"	0.447
10/07/2020 00:00:00	♆	06°59'58"	♆	-00°18'05"	-03°21'07"	00°33'54"	0.765
10/07/2020 00:00:00	♇	22°53'43"	♇	-21°48'24"	-00°19'02"	-00°07'40"	4.144
10/07/2020 00:00:00	♈	29°26'30"	♈	-20°28'35"	-00°12'56"	-00°04'18"	9.013
10/07/2020 00:00:00	♉	10°09'03"	♉	14°25'48"	-00°27'11"	00°01'43"	20.152
10/07/2020 00:00:00	♊	20°53'03"	♊	-04°36'37"	-01°05'07"	-00°00'32"	29.450
10/07/2020 00:00:00	♋	23°52'43"	♋	-22°18'16"	-00°59'33"	-00°01'26"	33.064
10/07/2020 00:00:00	♌	28°57'50"	♌	23°25'57"	00°00'00"	-00°02'22"	0.003
10/07/2020 00:00:00	♍	09°26'08"	♍	06°16'52"	02°45'58"	00°00'05"	18.671
10/07/2020 00:00:00	♎	18°26'55"	♎	02°45'49"	-04°49'35"	00°06'42"	0.003
10/07/2020 00:00:00	T♌	28°57'50"	♌	23°25'57"	00°00'00"	-00°02'22"	0.003
10/07/2020 00:00:00	T♍	23°22'27"	♍	04°38'05"	-04°46'45"	-02°13'00"	0.003
10/07/2020 00:00:00	X	24°32'56"	♍	-01°19'09"	-11°37'29"	00°00'06"	96.078
10/07/2020 00:00:00	Y	28°23'41"	♍	08°15'36"	-11°49'01"	00°00'33"	85.129
11/07/2020 00:00:00	♁	19°09'38"	♁	22°04'02"	-00°00'00"	00°57'12"	1.017
11/07/2020 00:00:00	♃	27°26'51"	♃	-05°49'30"	-05°14'37"	12°01'43"	0.003

Ephemerides year 2020

11/07/2020 00:00:00	♀	05°34'12" ♃	18°46'00"	-04°33'23"	-00°06'49"	0.644
11/07/2020 00:00:00	♀	09°32'52" ♀	17°25'52"	-04°29'53"	00°29'52"	0.455
11/07/2020 00:00:00	♂	07°33'46" ♃	-00°06'05"	-03°22'33"	00°33'39"	0.759
11/07/2020 00:00:00	♃	22°46'01" ♃	-21°49'49"	-00°19'11"	-00°07'41"	4.142
11/07/2020 00:00:00	♃	29°22'11" ♃	-20°29'34"	-00°13'02"	-00°04'19"	9.010
11/07/2020 00:00:00	♃	10°10'46" ♃	14°26'19"	-00°27'12"	00°01'41"	20.136
11/07/2020 00:00:00	♃	20°52'30" ♃	-04°36'53"	-01°05'10"	-00°00'33"	29.435
11/07/2020 00:00:00	♃	23°51'16" ♃	-22°18'37"	-00°59'39"	-00°01'26"	33.064
11/07/2020 00:00:00	♃	28°55'45" ♃	23°25'56"	00°00'00"	-00°01'46"	0.003
11/07/2020 00:00:00	♃	09°26'13" ♃	06°16'59"	02°46'03"	00°00'02"	18.655
11/07/2020 00:00:00	♃	18°33'38" ♃	02°48'38"	-04°49'17"	00°06'42"	0.003
11/07/2020 00:00:00	T♃	28°55'45" ♃	23°25'56"	00°00'00"	-00°01'46"	0.003
11/07/2020 00:00:00	T♃	21°26'40" ♃	03°51'43"	-04°50'51"	-01°39'19"	0.003
11/07/2020 00:00:00	X	24°33'02" ♃	-01°19'11"	-11°37'34"	00°00'05"	96.061
11/07/2020 00:00:00	Y	28°24'14" ♃	08°15'37"	-11°49'08"	00°00'32"	85.115
12/07/2020 00:00:00	♃	20°06'50" ♃	21°55'48"	-00°00'00"	00°57'12"	1.017
12/07/2020 00:00:00	♃	09°24'49" ♃	-01°00'50"	-05°09'29"	11°54'54"	0.003
12/07/2020 00:00:00	♀	05°29'52" ♃	18°53'17"	-04°26'16"	-00°01'48"	0.658
12/07/2020 00:00:00	♀	10°03'28" ♀	17°29'34"	-04°30'34"	00°31'18"	0.462

Ephemerides year 2020

12/07/2020 00:00:00	♂	08°07'18" ♀	00°05'46"	-03°23'59"	00°33'24"	0.753
12/07/2020 00:00:00	♃	22°38'19" ♁	-21°51'14"	-00°19'20"	-00°07'43"	4.141
12/07/2020 00:00:00	♅	29°17'51" ♁	-20°30'34"	-00°13'07"	-00°04'20"	9.007
12/07/2020 00:00:00	♁	10°12'26" ♂	14°26'50"	-00°27'12"	00°01'38"	20.121
12/07/2020 00:00:00	♆	20°51'56" ♃	-04°37'09"	-01°05'12"	-00°00'35"	29.420
12/07/2020 00:00:00	♁	23°49'50" ♁	-22°18'58"	-00°59'45"	-00°01'26"	33.063
12/07/2020 00:00:00	♁	28°54'23" ♃	23°25'55"	00°00'00"	-00°00'55"	0.003
12/07/2020 00:00:00	♃	09°26'14" ♀	06°17'04"	02°46'08"	-00°00'00"	18.638
12/07/2020 00:00:00	♁	18°40'20" ♀	02°51'27"	-04°48'58"	00°06'42"	0.003
12/07/2020 00:00:00	♁♁	28°54'23" ♃	23°25'55"	00°00'00"	-00°00'55"	0.003
12/07/2020 00:00:00	♁♁	20°00'25" ♀	03°17'01"	-04°53'44"	-01°15'33"	0.003
12/07/2020 00:00:00	X	24°33'08" ♀	-01°19'14"	-11°37'40"	00°00'05"	96.044
12/07/2020 00:00:00	Y	28°24'46" ♂	08°15'37"	-11°49'14"	00°00'32"	85.101
13/07/2020 00:00:00	♁	21°04'03" ♁	21°47'10"	-00°00'00"	00°57'13"	1.017
13/07/2020 00:00:00	♁	21°18'10" ♀	03°48'21"	-04°51'06"	11°52'33"	0.003
13/07/2020 00:00:00	♁	05°30'39" ♁	19°01'29"	-04°18'02"	00°03'23"	0.673
13/07/2020 00:00:00	♀	10°35'28" ♃	17°33'37"	-04°31'01"	00°32'40"	0.469
13/07/2020 00:00:00	♂	08°40'35" ♀	00°17'32"	-03°25'24"	00°33'08"	0.747
13/07/2020 00:00:00	♃	22°30'35" ♁	-21°52'39"	-00°19'28"	-00°07'43"	4.140



Ephemerides year 2020

13/07/2020 00:00:00	♃	29°13'29" ♏	-20°31'33"	-00°13'13"	-00°04'22"	9.005
13/07/2020 00:00:00	♅	10°14'03" ♉	14°27'19"	-00°27'13"	00°01'36"	20.105
13/07/2020 00:00:00	♆	20°51'19" ♋	-04°37'25"	-01°05'15"	-00°00'37"	29.405
13/07/2020 00:00:00	♁	23°48'23" ♈	-22°19'19"	-00°59'51"	-00°01'26"	33.063
13/07/2020 00:00:00	♄	28°53'55" ♈	23°25'55"	00°00'00"	00°00'00"	0.003
13/07/2020 00:00:00	♂	09°26'12" ♈	06°17'07"	02°46'13"	-00°00'03"	18.622
13/07/2020 00:00:00	♁	18°47'03" ♈	02°54'16"	-04°48'39"	00°06'42"	0.003
13/07/2020 00:00:00	♁	28°53'55" ♈	23°25'55"	00°00'00"	00°00'00"	0.003
13/07/2020 00:00:00	♁	18°49'47" ♈	02°48'30"	-04°55'59"	-01°08'51"	0.003
13/07/2020 00:00:00	X	24°33'13" ♈	-01°19'18"	-11°37'45"	00°00'04"	96.028
13/07/2020 00:00:00	Y	28°25'18" ♈	08°15'37"	-11°49'21"	00°00'31"	85.088
14/07/2020 00:00:00	♁	22°01'16" ♈	21°38'10"	-00°00'00"	00°57'13"	1.017
14/07/2020 00:00:00	♁	03°11'31" ♈	08°29'41"	-04°20'16"	11°54'56"	0.003
14/07/2020 00:00:00	♁	05°36'41" ♈	19°10'31"	-04°08'45"	00°08'42"	0.690
14/07/2020 00:00:00	♁	11°08'49" ♈	17°37'58"	-04°31'12"	00°34'00"	0.476
14/07/2020 00:00:00	♁	09°13'35" ♈	00°29'11"	-03°26'49"	00°32'52"	0.741
14/07/2020 00:00:00	♁	22°22'51" ♈	-21°54'03"	-00°19'37"	-00°07'44"	4.140
14/07/2020 00:00:00	♃	29°09'07" ♏	-20°32'33"	-00°13'18"	-00°04'23"	9.002
14/07/2020 00:00:00	♅	10°15'38" ♉	14°27'48"	-00°27'14"	00°01'33"	20.089

Ephemerides year 2020

14/07/2020 00:00:00	♁	20°50'41" ♏	-04°37'43"	-01°05'17"	-00°00'39"	29.391
14/07/2020 00:00:00	♁	23°46'56" ♏	-22°19'39"	-00°59'56"	-00°01'27"	33.063
14/07/2020 00:00:00	♁	28°54'23" ♏	23°25'55"	00°00'00"	00°00'52"	0.003
14/07/2020 00:00:00	♁	09°26'07" ♏	06°17'10"	02°46'18"	-00°00'06"	18.606
14/07/2020 00:00:00	♁	18°53'46" ♏	02°57'04"	-04°48'21"	00°06'42"	0.003
14/07/2020 00:00:00	♁	28°54'23" ♏	23°25'55"	00°00'00"	00°00'52"	0.003
14/07/2020 00:00:00	♁	17°36'20" ♏	02°18'47"	-04°58'11"	-01°21'08"	0.003
14/07/2020 00:00:00	X	24°33'17" ♏	-01°19'21"	-11°37'51"	00°00'04"	96.011
14/07/2020 00:00:00	Y	28°25'50" ♏	08°15'37"	-11°49'27"	00°00'31"	85.074
15/07/2020 00:00:00	♁	22°58'30" ♏	21°28'49"	-00°00'00"	00°57'14"	1.016
15/07/2020 00:00:00	♁	15°09'38" ♏	12°54'17"	-03°37'57"	12°02'02"	0.003
15/07/2020 00:00:00	♁	05°48'05" ♏	19°20'16"	-03°58'31"	00°14'07"	0.707
15/07/2020 00:00:00	♁	11°43'28" ♏	17°42'37"	-04°31'09"	00°35'16"	0.484
15/07/2020 00:00:00	♁	09°46'20" ♏	00°40'43"	-03°28'13"	00°32'35"	0.736
15/07/2020 00:00:00	♁	22°15'07" ♏	-21°55'27"	-00°19'45"	-00°07'44"	4.139
15/07/2020 00:00:00	♁	29°04'43" ♏	-20°33'33"	-00°13'24"	-00°04'23"	9.000
15/07/2020 00:00:00	♁	10°17'10" ♏	14°28'16"	-00°27'15"	00°01'30"	20.073
15/07/2020 00:00:00	♁	20°50'01" ♏	-04°38'01"	-01°05'20"	-00°00'40"	29.377
15/07/2020 00:00:00	♁	23°45'29" ♏	-22°20'00"	-01°00'02"	-00°01'27"	33.063

Ephemerides year 2020

15/07/2020 00:00:00	♁	28°55'35" ♀	23°25'56"	00°00'00"	00°01'28"	0.003
15/07/2020 00:00:00	♆	09°25'59" ♀	06°17'11"	02°46'23"	-00°00'09"	18.589
15/07/2020 00:00:00	♁	19°00'29" ♀	02°59'53"	-04°48'01"	00°06'42"	0.003
15/07/2020 00:00:00	♁	28°55'35" ♀	23°25'56"	00°00'00"	00°01'28"	0.003
15/07/2020 00:00:00	♁	16°02'01" ♀	01°40'36"	-05°00'46"	-01°49'41"	0.003
15/07/2020 00:00:00	X	24°33'21" ♀	-01°19'25"	-11°37'56"	00°00'03"	95.994
15/07/2020 00:00:00	Y	28°26'21" ♂	08°15'37"	-11°49'34"	00°00'30"	85.059
16/07/2020 00:00:00	♁	23°55'45" ♀	21°19'05"	-00°00'00"	00°57'14"	1.016
16/07/2020 00:00:00	♁	27°17'05" ♂	16°51'55"	-02°45'24"	12°13'34"	0.003
16/07/2020 00:00:00	♁	06°04'56" ♀	19°30'36"	-03°47'26"	00°19'35"	0.725
16/07/2020 00:00:00	♁	12°19'21" ♀	17°47'30"	-04°30'52"	00°36'30"	0.491
16/07/2020 00:00:00	♁	10°18'47" ♀	00°52'07"	-03°29'37"	00°32'18"	0.730
16/07/2020 00:00:00	♁	22°07'23" ♂	-21°56'50"	-00°19'53"	-00°07'43"	4.139
16/07/2020 00:00:00	♁	29°00'19" ♂	-20°34'33"	-00°13'29"	-00°04'24"	8.999
16/07/2020 00:00:00	♁	10°18'40" ♂	14°28'43"	-00°27'16"	00°01'28"	20.057
16/07/2020 00:00:00	♁	20°49'19" ♀	-04°38'19"	-01°05'22"	-00°00'42"	29.362
16/07/2020 00:00:00	♁	23°44'02" ♂	-22°20'21"	-01°00'08"	-00°01'27"	33.064
16/07/2020 00:00:00	♁	28°57'12" ♀	23°25'56"	00°00'00"	00°01'39"	0.003
16/07/2020 00:00:00	♁	09°25'48" ♀	06°17'11"	02°46'28"	-00°00'12"	18.573

Ephemerides year 2020

16/07/2020 00:00:00	☾	19°07'12" ♀	03°02'42"	-04°47'42"	00°06'42"	0.003
16/07/2020 00:00:00	♄	28°57'12" ♀	23°25'56"	00°00'00"	00°01'39"	0.003
16/07/2020 00:00:00	♄	13°54'13" ♀	00°48'51"	-05°03'50"	-02°26'15"	0.003
16/07/2020 00:00:00	X	24°33'24" ♀	-01°19'28"	-11°38'01"	00°00'02"	95.978
16/07/2020 00:00:00	Y	28°26'51" ♂	08°15'37"	-11°49'41"	00°00'30"	85.045
17/07/2020 00:00:00	☉	24°53'00" ♂	21°08'59"	-00°00'00"	00°57'15"	1.016
17/07/2020 00:00:00	☾	09°38'03" ♀	20°10'24"	-01°44'19"	12°28'57"	0.003
17/07/2020 00:00:00	♁	06°27'17" ♂	19°41'23"	-03°35'37"	00°25'05"	0.744
17/07/2020 00:00:00	♀	12°56'27" ♀	17°52'37"	-04°30'21"	00°37'40"	0.498
17/07/2020 00:00:00	♂	10°50'57" ♀	01°03'23"	-03°31'01"	00°32'00"	0.724
17/07/2020 00:00:00	♃	21°59'39" ♂	-21°58'13"	-00°20'02"	-00°07'43"	4.140
17/07/2020 00:00:00	♅	28°55'54" ♂	-20°35'32"	-00°13'35"	-00°04'25"	8.997
17/07/2020 00:00:00	♁	10°20'07" ♂	14°29'10"	-00°27'17"	00°01'25"	20.040
17/07/2020 00:00:00	♃	20°48'36" ♂	-04°38'39"	-01°05'25"	-00°00'44"	29.348
17/07/2020 00:00:00	♁	23°42'35" ♂	-22°20'41"	-01°00'13"	-00°01'26"	33.065
17/07/2020 00:00:00	♄	28°58'45" ♀	23°25'57"	00°00'00"	00°01'22"	0.003
17/07/2020 00:00:00	♁	09°25'33" ♀	06°17'10"	02°46'33"	-00°00'15"	18.557
17/07/2020 00:00:00	☾	19°13'55" ♀	03°05'31"	-04°47'23"	00°06'42"	0.003
17/07/2020 00:00:00	♄	28°58'45" ♀	23°25'57"	00°00'00"	00°01'22"	0.003

Ephemerides year 2020

17/07/2020 00:00:00	T♄	11°11'27" ♀	-00°17'03"	-05°07'04"	-02°56'55"	0.003
17/07/2020 00:00:00	X	24°33'27" ♀	-01°19'33"	-11°38'07"	00°00'02"	95.961
17/07/2020 00:00:00	Y	28°27'21" ♂	08°15'36"	-11°49'48"	00°00'29"	85.031
18/07/2020 00:00:00	☉	25°50'16" ♉	20°58'32"	-00°00'00"	00°57'16"	1.016
18/07/2020 00:00:00	☾	22°15'59" ♋	22°35'51"	-00°36'51"	12°47'18"	0.003
18/07/2020 00:00:00	♁	06°55'08" ♉	19°52'29"	-03°23'08"	00°30'36"	0.764
18/07/2020 00:00:00	♂	13°34'41" ♋	17°57'55"	-04°29'38"	00°38'48"	0.506
18/07/2020 00:00:00	♂	11°22'49" ♀	01°14'32"	-03°32'23"	00°31'42"	0.719
18/07/2020 00:00:00	♃	21°51'57" ♉	-21°59'35"	-00°20'10"	-00°07'42"	4.140
18/07/2020 00:00:00	♄	28°51'28" ♉	-20°36'32"	-00°13'40"	-00°04'25"	8.996
18/07/2020 00:00:00	♅	10°21'31" ♂	14°29'35"	-00°27'18"	00°01'22"	20.024
18/07/2020 00:00:00	♆	20°47'51" ♋	-04°38'59"	-01°05'27"	-00°00'45"	29.335
18/07/2020 00:00:00	♇	23°41'08" ♉	-22°21'02"	-01°00'19"	-00°01'26"	33.066
18/07/2020 00:00:00	♈	28°59'46" ♋	23°25'58"	00°00'00"	00°00'34"	0.003
18/07/2020 00:00:00	♁	09°25'16" ♀	06°17'08"	02°46'37"	-00°00'18"	18.541
18/07/2020 00:00:00	♂	19°20'37" ♀	03°08'20"	-04°47'03"	00°06'42"	0.003
18/07/2020 00:00:00	T♁	28°59'46" ♋	23°25'58"	00°00'00"	00°00'34"	0.003
18/07/2020 00:00:00	T♄	08°07'42" ♀	-01°31'18"	-05°09'46"	-03°05'50"	0.003
18/07/2020 00:00:00	X	24°33'29" ♀	-01°19'37"	-11°38'12"	00°00'01"	95.944

Ephemerides year 2020

18/07/2020 00:00:00	Y	28°27'50" ♂	08°15'35"	-11°49'55"	00°00'29"	85.016
19/07/2020 00:00:00	☉	26°47'33" ♉	20°47'44"	-00°00'00"	00°57'16"	1.016
19/07/2020 00:00:00	☾	05°13'16" ♉	23°54'02" ♁	00°34'03"	13°07'24"	0.003
19/07/2020 00:00:00	♀	07°28'29" ♉	20°03'44"	-03°10'05"	00°36'05"	0.785
19/07/2020 00:00:00	♀	14°14'03" ♀	18°03'23"	-04°28'43"	00°39'53"	0.513
19/07/2020 00:00:00	♂	11°54'22" ♀	01°25'32"	-03°33'46"	00°31'23"	0.713
19/07/2020 00:00:00	♃	21°44'15" ♁	-22°00'57"	-00°20'18"	-00°07'41"	4.141
19/07/2020 00:00:00	♄	28°47'02" ♁	-20°37'32"	-00°13'45"	-00°04'26"	8.995
19/07/2020 00:00:00	♅	10°22'53" ♂	14°30'00"	-00°27'19"	00°01'20"	20.008
19/07/2020 00:00:00	♆	20°47'04" ♁	-04°39'19"	-01°05'29"	-00°00'47"	29.321
19/07/2020 00:00:00	♇	23°39'41" ♁	-22°21'22"	-01°00'24"	-00°01'26"	33.067
19/07/2020 00:00:00	♈	28°59'47" ♀	23°25'58"	00°00'00"	-00°00'35"	0.003
19/07/2020 00:00:00	♉	09°24'56" ♀	06°17'04"	02°46'42"	-00°00'21"	18.525
19/07/2020 00:00:00	♊	19°27'20" ♀	03°11'09"	-04°46'44"	00°06'42"	0.003
19/07/2020 00:00:00	T♈	28°59'47" ♀	23°25'58"	00°00'00"	-00°00'35"	0.003
19/07/2020 00:00:00	T♉	05°10'11" ♀	-02°42'43"	-05°11'27"	-02°44'00"	0.003
19/07/2020 00:00:00	X	24°33'31" ♀	-01°19'41"	-11°38'18"	00°00'01"	95.927
19/07/2020 00:00:00	Y	28°28'19" ♂	08°15'35"	-11°50'02"	00°00'28"	85.001
20/07/2020 00:00:00	☉	27°44'50" ♉	20°36'34"	00°00'00"	00°57'17"	1.016

Ephemerides year 2020

20/07/2020 00:00:00	♃	18°30'53" ♉	23°53'17" ♋	01°44'51"	13°27'44"	0.003
20/07/2020 00:00:00	♆	08°07'18" ♉	20°15'01"	-02°56'33"	00°41'33"	0.806
20/07/2020 00:00:00	♀	14°54'28" ♋	18°08'59"	-04°27'36"	00°40'55"	0.521
20/07/2020 00:00:00	♂	12°25'37" ♋	01°36'25"	-03°35'07"	00°31'04"	0.707
20/07/2020 00:00:00	♃	21°36'35" ♉	-22°02'18"	-00°20'26"	-00°07'39"	4.142
20/07/2020 00:00:00	♄	28°42'36" ♉	-20°38'31"	-00°13'50"	-00°04'26"	8.995
20/07/2020 00:00:00	♅	10°24'11" ♋	14°30'24"	-00°27'19"	00°01'17"	19.991
20/07/2020 00:00:00	♆	20°46'15" ♋	-04°39'41"	-01°05'32"	-00°00'49"	29.307
20/07/2020 00:00:00	♁	23°38'14" ♉	-22°21'43"	-01°00'30"	-00°01'26"	33.069
20/07/2020 00:00:00	♁	28°58'30" ♋	23°25'57"	00°00'00"	-00°01'58"	0.003
20/07/2020 00:00:00	♂	09°24'32" ♋	06°16'59"	02°46'47"	-00°00'25"	18.510
20/07/2020 00:00:00	♁	19°34'03" ♋	03°13'58"	-04°46'24"	00°06'42"	0.003
20/07/2020 00:00:00	♁	28°58'30" ♋	23°25'57"	00°00'00"	-00°01'58"	0.003
20/07/2020 00:00:00	♁	02°48'24" ♋	-03°39'23"	-05°12'03"	-01°56'24"	0.003
20/07/2020 00:00:00	X	24°33'31" ♋	-01°19'46"	-11°38'23"	00°00'00"	95.910
20/07/2020 00:00:00	Y	28°28'47" ♋	08°15'33"	-11°50'09"	00°00'27"	84.986
21/07/2020 00:00:00	♁	28°42'07" ♉	20°25'04"	00°00'00"	00°57'17"	1.016
21/07/2020 00:00:00	♃	02°08'16" ♋	22°27'46"	02°51'21"	13°46'39"	0.003
21/07/2020 00:00:00	♆	08°51'34" ♉	20°26'08"	-02°42'39"	00°46'58"	0.829

Ephemerides year 2020

21/07/2020 00:00:00	♀	15°35'54" ♀	18°14'41"	-04°26'18"	00°41'56"	0.528
21/07/2020 00:00:00	♂	12°56'31" ♂	01°47'09"	-03°36'29"	00°30'44"	0.702
21/07/2020 00:00:00	♃	21°28'56" ♃	-22°03'38"	-00°20'34"	-00°07'37"	4.144
21/07/2020 00:00:00	♄	28°38'10" ♄	-20°39'31"	-00°13'56"	-00°04'26"	8.995
21/07/2020 00:00:00	♅	10°25'27" ♅	14°30'47"	-00°27'20"	00°01'14"	19.975
21/07/2020 00:00:00	♆	20°45'25" ♆	-04°40'02"	-01°05'34"	-00°00'51"	29.294
21/07/2020 00:00:00	♇	23°36'47" ♇	-22°22'03"	-01°00'35"	-00°01'26"	33.071
21/07/2020 00:00:00	♈	28°55'51" ♀	23°25'56"	00°00'00"	-00°03'17"	0.003
21/07/2020 00:00:00	♉	09°24'05" ♂	06°16'53"	02°46'52"	-00°00'28"	18.494
21/07/2020 00:00:00	♊	19°40'46" ♂	03°16'47"	-04°46'04"	00°06'42"	0.003
21/07/2020 00:00:00	♋	28°55'51" ♀	23°25'56"	00°00'00"	-00°03'17"	0.003
21/07/2020 00:00:00	♌	01°20'37" ♂	-04°14'09"	-05°11'59"	-00°59'07"	0.003
21/07/2020 00:00:00	♍	24°33'32" ♂	-01°19'51"	-11°38'28"	-00°00'00"	95.894
21/07/2020 00:00:00	♎	28°29'15" ♀	08°15'32"	-11°50'16"	00°00'27"	84.971
22/07/2020 00:00:00	♏	29°39'25" ♏	20°13'13"	00°00'00"	00°57'18"	1.016
22/07/2020 00:00:00	♐	16°03'11" ♏	19°39'49"	03°49'03"	14°02'33"	0.002
22/07/2020 00:00:00	♑	09°41'14" ♏	20°36'55"	-02°28'25"	00°52'20"	0.851
22/07/2020 00:00:00	♀	16°18'19" ♀	18°20'28"	-04°24'49"	00°42'53"	0.536
22/07/2020 00:00:00	♂	13°27'06" ♂	01°57'44"	-03°37'49"	00°30'24"	0.696



Ephemerides year 2020

22/07/2020 00:00:00	♃	21°21'20" ♏	-22°04'57"	-00°20'41"	-00°07'35"	4.146
22/07/2020 00:00:00	♅	28°33'44" ♏	-20°40'30"	-00°14'01"	-00°04'26"	8.995
22/07/2020 00:00:00	♁	10°26'40" ♏	14°31'09"	-00°27'21"	00°01'11"	19.958
22/07/2020 00:00:00	♆	20°44'33" ♏	-04°40'25"	-01°05'36"	-00°00'52"	29.281
22/07/2020 00:00:00	♁	23°35'21" ♏	-22°22'23"	-01°00'41"	-00°01'26"	33.074
22/07/2020 00:00:00	♁	28°52'01" ♏	23°25'54"	00°00'00"	-00°04'17"	0.003
22/07/2020 00:00:00	♃	09°23'36" ♏	06°16'46"	02°46'56"	-00°00'31"	18.478
22/07/2020 00:00:00	♁	19°47'29" ♏	03°19'37"	-04°45'44"	00°06'42"	0.003
22/07/2020 00:00:00	♁	28°52'01" ♏	23°25'54"	00°00'00"	-00°04'17"	0.003
22/07/2020 00:00:00	♁	00°47'27" ♏	-04°27'03"	-05°11'41"	-00°09'45"	0.003
22/07/2020 00:00:00	X	24°33'31" ♏	-01°19'56"	-11°38'34"	-00°00'00"	95.877
22/07/2020 00:00:00	Y	28°29'42" ♏	08°15'31"	-11°50'23"	00°00'26"	84.956
23/07/2020 00:00:00	♁	00°36'44" ♏	20°01'02"	00°00'00"	00°57'18"	1.016
23/07/2020 00:00:00	♁	00°11'56" ♏	15°39'56"	04°33'44"	14°14'10"	0.002
23/07/2020 00:00:00	♁	10°36'13" ♏	20°47'13"	-02°13'58"	00°57'37"	0.875
23/07/2020 00:00:00	♁	17°01'40" ♏	18°26'17"	-04°23'09"	00°43'49"	0.544
23/07/2020 00:00:00	♁	13°57'20" ♏	02°08'10"	-03°39'09"	00°30'03"	0.691
23/07/2020 00:00:00	♃	21°13'46" ♏	-22°06'15"	-00°20'49"	-00°07'32"	4.148
23/07/2020 00:00:00	♅	28°29'17" ♏	-20°41'29"	-00°14'06"	-00°04'26"	8.995

Ephemerides year 2020

23/07/2020 00:00:00	♄	10°27'51" ♀	14°31'30"	-00°27'22"	00°01'08"	19.942
23/07/2020 00:00:00	♃	20°43'40" ♀	-04°40'48"	-01°05'39"	-00°00'54"	29.268
23/07/2020 00:00:00	♂	23°33'54" ♀	-22°22'44"	-01°00'46"	-00°01'26"	33.076
23/07/2020 00:00:00	♁	28°47'27" ♀	23°25'52"	00°00'00"	-00°04'44"	0.003
23/07/2020 00:00:00	♂	09°23'03" ♀	06°16'37"	02°47'01"	-00°00'34"	18.463
23/07/2020 00:00:00	♁	19°54'12" ♀	03°22'26"	-04°45'24"	00°06'42"	0.003
23/07/2020 00:00:00	♁	28°47'27" ♀	23°25'52"	00°00'00"	-00°04'44"	0.003
23/07/2020 00:00:00	♁	00°54'31" ♀	-04°23'56"	-05°11'21"	00°20'07"	0.003
23/07/2020 00:00:00	X	24°33'30" ♀	-01°20'02"	-11°38'39"	-00°00'01"	95.860
23/07/2020 00:00:00	Y	28°30'08" ♀	08°15'29"	-11°50'30"	00°00'25"	84.941
24/07/2020 00:00:00	♁	01°34'03" ♀	19°48'31"	00°00'00"	00°57'19"	1.016
24/07/2020 00:00:00	♃	14°29'51" ♀	10°44'27"	05°01'54"	14°20'49"	0.002
24/07/2020 00:00:00	♁	11°36'28" ♀	20°56'50"	-01°59'22"	01°02'50"	0.899
24/07/2020 00:00:00	♀	17°45'56" ♀	18°32'08"	-04°21'20"	00°44'42"	0.551
24/07/2020 00:00:00	♂	14°27'14" ♀	02°18'28"	-03°40'28"	00°29'42"	0.685
24/07/2020 00:00:00	♂	21°06'15" ♀	-22°07'33"	-00°20'57"	-00°07'29"	4.150
24/07/2020 00:00:00	♂	28°24'51" ♀	-20°42'29"	-00°14'11"	-00°04'25"	8.996
24/07/2020 00:00:00	♄	10°28'58" ♀	14°31'50"	-00°27'23"	00°01'05"	19.925
24/07/2020 00:00:00	♃	20°42'44" ♀	-04°41'12"	-01°05'41"	-00°00'56"	29.255

Ephemerides year 2020

24/07/2020 00:00:00	♁	23°32'28" ♏	-22°23'04"	-01°00'52"	-00°01'26"	33.079
24/07/2020 00:00:00	♁	28°42'47" ♏	23°25'49"	00°00'00"	-00°04'29"	0.003
24/07/2020 00:00:00	♁	09°22'27" ♏	06°16'27"	02°47'06"	-00°00'37"	18.447
24/07/2020 00:00:00	♁	20°00'54" ♏	03°25'15"	-04°45'03"	00°06'42"	0.003
24/07/2020 00:00:00	♁	28°42'47" ♏	23°25'49"	00°00'00"	-00°04'29"	0.003
24/07/2020 00:00:00	♁	01°20'23" ♏	-04°13'24"	-05°11'04"	00°28'26"	0.003
24/07/2020 00:00:00	X	24°33'28" ♏	-01°20'07"	-11°38'44"	-00°00'02"	95.844
24/07/2020 00:00:00	Y	28°30'34" ♏	08°15'27"	-11°50'38"	00°00'25"	84.925
25/07/2020 00:00:00	♁	02°31'22" ♏	19°35'40"	00°00'00"	00°57'19"	1.016
25/07/2020 00:00:00	♁	28°51'56" ♏	05°12'39"	05°11'20"	14°22'32"	0.002
25/07/2020 00:00:00	♁	12°41'53" ♏	21°05'35"	-01°44'42"	01°07'58"	0.923
25/07/2020 00:00:00	♁	18°31'05" ♏	18°37'59"	-04°19'22"	00°45'33"	0.559
25/07/2020 00:00:00	♁	14°56'45" ♏	02°28'36"	-03°41'47"	00°29'20"	0.680
25/07/2020 00:00:00	♁	20°58'47" ♏	-22°08'49"	-00°21'04"	-00°07'26"	4.153
25/07/2020 00:00:00	♁	28°20'25" ♏	-20°43'27"	-00°14'17"	-00°04'25"	8.997
25/07/2020 00:00:00	♁	10°30'03" ♏	14°32'09"	-00°27'24"	00°01'03"	19.908
25/07/2020 00:00:00	♁	20°41'48" ♏	-04°41'37"	-01°05'43"	-00°00'57"	29.243
25/07/2020 00:00:00	♁	23°31'02" ♏	-22°23'24"	-01°00'57"	-00°01'25"	33.083
25/07/2020 00:00:00	♁	28°38'41" ♏	23°25'47"	00°00'00"	-00°03'35"	0.003

Ephemerides year 2020

25/07/2020 00:00:00	♄	09°21'48" ♏	06°16'16"	02°47'10"	-00°00'40"	18.432
25/07/2020 00:00:00	♁	20°07'37" ♏	03°28'04"	-04°44'43"	00°06'42"	0.003
25/07/2020 00:00:00	♁♁	28°38'41" ♏	23°25'47"	00°00'00"	-00°03'35"	0.003
25/07/2020 00:00:00	♁♁	01°47'25" ♏	-04°02'30"	-05°10'52"	00°25'15"	0.003
25/07/2020 00:00:00	X	24°33'26" ♏	-01°20'13"	-11°38'50"	-00°00'02"	95.827
25/07/2020 00:00:00	Y	28°30'58" ♏	08°15'25"	-11°50'45"	00°00'24"	84.910
26/07/2020 00:00:00	♁	03°28'41" ♏	19°22'30"	00°00'00"	00°57'19"	1.016
26/07/2020 00:00:00	♁	13°13'29" ♏	-00°35'28"	05°01'20"	14°19'56"	0.002
26/07/2020 00:00:00	♁	13°52'23" ♏	21°13'17"	-01°30'02"	01°13'00"	0.947
26/07/2020 00:00:00	♁	19°17'04" ♏	18°43'49"	-04°17'14"	00°46'23"	0.567
26/07/2020 00:00:00	♁	15°25'55" ♏	02°38'35"	-03°43'05"	00°28'58"	0.674
26/07/2020 00:00:00	♁	20°51'22" ♏	-22°10'05"	-00°21'12"	-00°07'22"	4.156
26/07/2020 00:00:00	♁	28°16'00" ♏	-20°44'26"	-00°14'22"	-00°04'24"	8.998
26/07/2020 00:00:00	♁	10°31'04" ♏	14°32'28"	-00°27'25"	00°01'00"	19.891
26/07/2020 00:00:00	♁	20°40'49" ♏	-04°42'02"	-01°05'45"	-00°00'59"	29.230
26/07/2020 00:00:00	♁	23°29'37" ♏	-22°23'44"	-01°01'02"	-00°01'25"	33.086
26/07/2020 00:00:00	♁	28°35'45" ♏	23°25'45"	00°00'00"	-00°02'13"	0.003
26/07/2020 00:00:00	♁	09°21'05" ♏	06°16'03"	02°47'15"	-00°00'43"	18.417
26/07/2020 00:00:00	♁	20°14'20" ♏	03°30'53"	-04°44'22"	00°06'42"	0.003

Ephemerides year 2020

26/07/2020 00:00:00	T♄	28°35'45" ♀	23°25'45"	00°00'00"	-00°02'13"	0.003
26/07/2020 00:00:00	T♄	02°14'29" ♀	-03°51'38"	-05°10'45"	00°32'57"	0.003
26/07/2020 00:00:00	X	24°33'22" ♀	-01°20'19"	-11°38'55"	-00°00'03"	95.810
26/07/2020 00:00:00	Y	28°31'23" ♂	08°15'22"	-11°50'53"	00°00'23"	84.894
27/07/2020 00:00:00	♁	04°26'01" ♀	19°09'00"	00°00'00"	00°57'20"	1.016
27/07/2020 00:00:00	♂	27°30'42" ♀	-06°20'26"	04°32'42"	14°14'01"	0.002
27/07/2020 00:00:00	♀	15°07'52" ♀	21°19'43"	-01°15'26"	01°17'55"	0.972
27/07/2020 00:00:00	♀	20°03'51" ♀	18°49'36"	-04°14'57"	00°47'11"	0.574
27/07/2020 00:00:00	♂	15°54'43" ♀	02°48'25"	-03°44'22"	00°28'36"	0.669
27/07/2020 00:00:00	♃	20°44'02" ♀	-22°11'19"	-00°21'19"	-00°07'18"	4.159
27/07/2020 00:00:00	♃	28°11'36" ♀	-20°45'24"	-00°14'27"	-00°04'23"	9.000
27/07/2020 00:00:00	♃	10°32'03" ♂	14°32'45"	-00°27'26"	00°00'57"	19.875
27/07/2020 00:00:00	♃	20°39'49" ♀	-04°42'27"	-01°05'48"	-00°01'00"	29.218
27/07/2020 00:00:00	♃	23°28'11" ♀	-22°24'04"	-01°01'08"	-00°01'25"	33.090
27/07/2020 00:00:00	♁	28°34'17" ♀	23°25'44"	00°00'00"	-00°00'42"	0.003
27/07/2020 00:00:00	♃	09°20'20" ♀	06°15'49"	02°47'19"	-00°00'46"	18.402
27/07/2020 00:00:00	♃	20°21'02" ♀	03°33'43"	-04°44'02"	00°06'42"	0.003
27/07/2020 00:00:00	T♄	28°34'17" ♀	23°25'44"	00°00'00"	-00°00'42"	0.003
27/07/2020 00:00:00	T♄	03°05'00" ♀	-03°31'21"	-05°10'28"	01°14'52"	0.003

Ephemerides year 2020

27/07/2020 00:00:00	X	24°33'19" ♏	-01°20'25"	-11°39'00"	-00°00'04"	95.794
27/07/2020 00:00:00	Y	28°31'46" ♏	08°15'20"	-11°51'00"	00°00'23"	84.878
28/07/2020 00:00:00	☉	05°23'22" ♏	18°55'12"	00°00'00"	00°57'20"	1.015
28/07/2020 00:00:00	☾	11°40'49" ♏	-11°43'25"	03°47'39"	14°05'54"	0.002
28/07/2020 00:00:00	♀	16°28'12" ♏	21°24'44"	-01°01'00"	01°22'42"	0.997
28/07/2020 00:00:00	♀	20°51'26" ♏	18°55'19"	-04°12'32"	00°47'57"	0.582
28/07/2020 00:00:00	♂	16°23'08" ♏	02°58'05"	-03°45'38"	00°28'13"	0.663
28/07/2020 00:00:00	♃	20°36'45" ♏	-22°12'33"	-00°21'26"	-00°07'14"	4.163
28/07/2020 00:00:00	♄	28°07'13" ♏	-20°46'22"	-00°14'32"	-00°04'22"	9.002
28/07/2020 00:00:00	♅	10°32'59" ♏	14°33'02"	-00°27'27"	00°00'54"	19.858
28/07/2020 00:00:00	♆	20°38'48" ♏	-04°42'53"	-01°05'50"	-00°01'02"	29.206
28/07/2020 00:00:00	♇	23°26'46" ♏	-22°24'23"	-01°01'13"	-00°01'24"	33.094
28/07/2020 00:00:00	♈	28°34'15" ♏	23°25'44"	00°00'00"	00°00'34"	0.003
28/07/2020 00:00:00	♉	09°19'32" ♏	06°15'34"	02°47'23"	-00°00'49"	18.387
28/07/2020 00:00:00	♊	20°27'45" ♏	03°36'32"	-04°43'41"	00°06'42"	0.003
28/07/2020 00:00:00	T♈	28°34'15" ♏	23°25'44"	00°00'00"	00°00'34"	0.003
28/07/2020 00:00:00	T♉	04°56'26" ♏	-02°46'23"	-05°09'31"	02°32'11"	0.003
28/07/2020 00:00:00	X	24°33'14" ♏	-01°20'32"	-11°39'06"	-00°00'04"	95.777
28/07/2020 00:00:00	Y	28°32'09" ♏	08°15'17"	-11°51'08"	00°00'22"	84.862

Ephemerides year 2020

29/07/2020 00:00:00	♁	06°20'43"	♏	18°41'05"	00°00'00"	00°57'21"	1.015
29/07/2020 00:00:00	♃	25°42'06"	♎	-16°26'20"	02°49'21"	13°56'29"	0.002
29/07/2020 00:00:00	♆	17°53'14"	♏	21°28'06"	-00°46'47"	01°27'20"	1.022
29/07/2020 00:00:00	♀	21°39'46"	♏	19°00'57"	-04°09'59"	00°48'42"	0.590
29/07/2020 00:00:00	♂	16°51'11"	♏	03°07'36"	-03°46'54"	00°27'50"	0.658
29/07/2020 00:00:00	♃	20°29'33"	♏	-22°13'45"	-00°21'33"	-00°07'09"	4.167
29/07/2020 00:00:00	♅	28°02'50"	♏	-20°47'19"	-00°14'37"	-00°04'21"	9.004
29/07/2020 00:00:00	♁	10°33'53"	♏	14°33'18"	-00°27'28"	00°00'51"	19.841
29/07/2020 00:00:00	♃	20°37'45"	♏	-04°43'20"	-01°05'52"	-00°01'03"	29.194
29/07/2020 00:00:00	♁	23°25'22"	♏	-22°24'43"	-01°01'18"	-00°01'24"	33.098
29/07/2020 00:00:00	♁	28°35'15"	♏	23°25'44"	00°00'00"	00°01'19"	0.003
29/07/2020 00:00:00	♃	09°18'41"	♏	06°15'18"	02°47'28"	-00°00'52"	18.372
29/07/2020 00:00:00	♁	20°34'28"	♏	03°39'21"	-04°43'20"	00°06'42"	0.003
29/07/2020 00:00:00	T♁	28°35'15"	♏	23°25'44"	00°00'00"	00°01'19"	0.003
29/07/2020 00:00:00	T♃	08°11'44"	♏	-01°27'08"	-05°06'58"	03°56'19"	0.003
29/07/2020 00:00:00	X	24°33'09"	♏	-01°20'39"	-11°39'11"	-00°00'05"	95.761
29/07/2020 00:00:00	Y	28°32'32"	♏	08°15'14"	-11°51'16"	00°00'22"	84.846
30/07/2020 00:00:00	♁	07°18'04"	♏	18°26'39"	00°00'00"	00°57'21"	1.015
30/07/2020 00:00:00	♃	09°33'33"	♏	-20°12'15"	01°41'46"	13°46'19"	0.003

Ephemerides year 2020

30/07/2020 00:00:00	♀	19°22'49" ♃	21°29'39"	-00°32'52"	01°31'47"	1.047
30/07/2020 00:00:00	♀	22°28'51" ♃	19°06'28"	-04°07'18"	00°49'25"	0.598
30/07/2020 00:00:00	♂	17°18'49" ♃	03°16'57"	-03°48'09"	00°27'26"	0.653
30/07/2020 00:00:00	♃	20°22'26" ♃	-22°14'56"	-00°21'40"	-00°07'04"	4.171
30/07/2020 00:00:00	♃	27°58'29" ♃	-20°48'16"	-00°14'42"	-00°04'20"	9.007
30/07/2020 00:00:00	♃	10°34'43" ♃	14°33'32"	-00°27'29"	00°00'48"	19.824
30/07/2020 00:00:00	♃	20°36'41" ♃	-04°43'47"	-01°05'54"	-00°01'04"	29.183
30/07/2020 00:00:00	♃	23°23'58" ♃	-22°25'02"	-01°01'23"	-00°01'23"	33.103
30/07/2020 00:00:00	♃	28°36'39" ♃	23°25'45"	00°00'00"	00°01'19"	0.003
30/07/2020 00:00:00	♃	09°17'47" ♃	06°15'01"	02°47'32"	-00°00'55"	18.357
30/07/2020 00:00:00	♃	20°41'10" ♃	03°42'11"	-04°42'58"	00°06'42"	0.003
30/07/2020 00:00:00	T♃	28°36'39" ♃	23°25'45"	00°00'00"	00°01'19"	0.003
30/07/2020 00:00:00	T♃	12°39'11" ♃	00°21'48"	-05°01'48"	04°51'28"	0.003
30/07/2020 00:00:00	X	24°33'04" ♃	-01°20'45"	-11°39'16"	-00°00'05"	95.745
30/07/2020 00:00:00	Y	28°32'54" ♃	08°15'11"	-11°51'24"	00°00'21"	84.830
31/07/2020 00:00:00	♃	08°15'26" ♃	18°11'56"	-00°00'00"	00°57'22"	1.015
31/07/2020 00:00:00	♃	23°14'34" ♃	-22°46'40"	00°29'13"	13°35'38"	0.003
31/07/2020 00:00:00	♀	20°56'46" ♃	21°29'13"	-00°19'19"	01°36'03"	1.072
31/07/2020 00:00:00	♀	23°18'37" ♃	19°11'51"	-04°04'30"	00°50'07"	0.606



Ephemerides year 2020

31/07/2020 00:00:00	♂	17°46'04" ♀	03°26'08"	-03°49'22"	00°27'02"	0.647
31/07/2020 00:00:00	♃	20°15'24" ♀	-22°16'06"	-00°21'47"	-00°06'59"	4.175
31/07/2020 00:00:00	♅	27°54'09" ♀	-20°49'13"	-00°14'47"	-00°04'19"	9.009
31/07/2020 00:00:00	♁	10°35'30" ♂	14°33'46"	-00°27'30"	00°00'46"	19.807
31/07/2020 00:00:00	♆	20°35'35" ♃	-04°44'15"	-01°05'56"	-00°01'06"	29.171
31/07/2020 00:00:00	♁	23°22'34" ♀	-22°25'22"	-01°01'28"	-00°01'23"	33.108
31/07/2020 00:00:00	♁	28°37'38" ♀	23°25'46"	00°00'00"	00°00'31"	0.003
31/07/2020 00:00:00	♃	09°16'50" ♀	06°14'42"	02°47'36"	-00°00'58"	18.343
31/07/2020 00:00:00	♁	20°47'53" ♀	03°45'00"	-04°42'37"	00°06'42"	0.003
31/07/2020 00:00:00	♁	28°37'38" ♀	23°25'46"	00°00'00"	00°00'31"	0.003
31/07/2020 00:00:00	♁	17°38'28" ♀	02°23'41"	-04°53'46"	04°58'41"	0.003
31/07/2020 00:00:00	X	24°32'58" ♀	-01°20'52"	-11°39'21"	-00°00'06"	95.728
31/07/2020 00:00:00	Y	28°33'15" ♂	08°15'08"	-11°51'31"	00°00'20"	84.813
01/08/2020 00:00:00	♁	09°12'49" ♀	17°56'54"	-00°00'00"	00°57'22"	1.015
01/08/2020 00:00:00	♃	06°44'39" ♀	-23°59'45"	-00°43'54"	13°24'24"	0.003
01/08/2020 00:00:00	♁	22°34'51" ♃	21°26'37"	-00°06'12"	01°40'04"	1.096
01/08/2020 00:00:00	♀	24°09'05" ♀	19°17'05"	-04°01'34"	00°50'48"	0.613
01/08/2020 00:00:00	♂	18°12'54" ♀	03°35'10"	-03°50'35"	00°26'37"	0.642
01/08/2020 00:00:00	♃	20°08'27" ♀	-22°17'14"	-00°21'54"	-00°06'54"	4.180

Ephemerides year 2020

01/08/2020 00:00:00	♃	27°49'50" ♎	-20°50'09"	-00°14'52"	-00°04'17"	9.012
01/08/2020 00:00:00	♃	10°36'15" ♏	14°33'59"	-00°27'31"	00°00'43"	19.790
01/08/2020 00:00:00	♃	20°34'28" ♏	-04°44'43"	-01°05'58"	-00°01'07"	29.160
01/08/2020 00:00:00	♃	23°21'11" ♎	-22°25'41"	-01°01'34"	-00°01'22"	33.113
01/08/2020 00:00:00	♃	28°37'28" ♏	23°25'46"	00°00'00"	-00°00'57"	0.003
01/08/2020 00:00:00	♃	09°15'51" ♏	06°14'22"	02°47'40"	-00°01'01"	18.328
01/08/2020 00:00:00	♃	20°54'36" ♏	03°47'49"	-04°42'16"	00°06'42"	0.003
01/08/2020 00:00:00	♃	28°37'28" ♏	23°25'46"	00°00'00"	-00°00'57"	0.003
01/08/2020 00:00:00	♃	22°20'56" ♏	04°18'07"	-04°43'59"	04°19'23"	0.003
01/08/2020 00:00:00	X	24°32'51" ♏	-01°21'00"	-11°39'27"	-00°00'06"	95.712
01/08/2020 00:00:00	Y	28°33'35" ♏	08°15'04"	-11°51'39"	00°00'20"	84.797
02/08/2020 00:00:00	♃	10°10'12" ♏	17°41'35"	-00°00'00"	00°57'23"	1.015
02/08/2020 00:00:00	♃	20°03'10" ♎	-23°48'34"	-01°53'28"	13°12'31"	0.003
02/08/2020 00:00:00	♃	24°16'50" ♏	21°21'42"	00°06'23"	01°43'50"	1.120
02/08/2020 00:00:00	♃	25°00'13" ♏	19°22'10"	-03°58'32"	00°51'27"	0.621
02/08/2020 00:00:00	♃	18°39'19" ♏	03°44'01"	-03°51'47"	00°26'11"	0.637
02/08/2020 00:00:00	♃	20°01'36" ♎	-22°18'22"	-00°22'01"	-00°06'48"	4.185
02/08/2020 00:00:00	♃	27°45'33" ♎	-20°51'05"	-00°14'57"	-00°04'16"	9.016
02/08/2020 00:00:00	♃	10°36'57" ♏	14°34'11"	-00°27'32"	00°00'40"	19.774

Ephemerides year 2020

02/08/2020 00:00:00	♁	20°33'20" ♋	-04°45'12"	-01°06'00"	-00°01'09"	29.149
02/08/2020 00:00:00	♁	23°19'49" ♋	-22°26'00"	-01°01'39"	-00°01'22"	33.119
02/08/2020 00:00:00	♁	28°35'34" ♋	23°25'45"	00°00'00"	-00°02'52"	0.003
02/08/2020 00:00:00	♁	09°14'48" ♋	06°14'01"	02°47'44"	-00°01'04"	18.314
02/08/2020 00:00:00	♁	21°01'19" ♋	03°50'39"	-04°41'54"	00°06'42"	0.003
02/08/2020 00:00:00	♁	28°35'34" ♋	23°25'45"	00°00'00"	-00°02'52"	0.003
02/08/2020 00:00:00	♁	26°06'07" ♋	05°48'34"	-04°34'36"	03°06'49"	0.003
02/08/2020 00:00:00	X	24°32'44" ♋	-01°21'07"	-11°39'32"	-00°00'07"	95.696
02/08/2020 00:00:00	Y	28°33'55" ♋	08°15'01"	-11°51'47"	00°00'19"	84.781
03/08/2020 00:00:00	♁	11°07'36" ♋	17°25'59"	-00°00'00"	00°57'24"	1.015
03/08/2020 00:00:00	♁	03°09'27" ♋	-22°17'55"	-02°55'47"	12°59'54"	0.003
03/08/2020 00:00:00	♁	26°02'26" ♋	21°14'22"	00°18'24"	01°47'19"	1.143
03/08/2020 00:00:00	♁	25°51'59" ♋	19°27'02"	-03°55'23"	00°52'05"	0.629
03/08/2020 00:00:00	♁	19°05'17" ♋	03°52'42"	-03°52'58"	00°25'45"	0.631
03/08/2020 00:00:00	♁	19°54'50" ♋	-22°19'28"	-00°22'07"	-00°06'42"	4.190
03/08/2020 00:00:00	♁	27°41'18" ♋	-20°52'01"	-00°15'02"	-00°04'14"	9.019
03/08/2020 00:00:00	♁	10°37'36" ♋	14°34'23"	-00°27'33"	00°00'37"	19.757
03/08/2020 00:00:00	♁	20°32'10" ♋	-04°45'42"	-01°06'02"	-00°01'10"	29.139
03/08/2020 00:00:00	♁	23°18'27" ♋	-22°26'19"	-01°01'44"	-00°01'21"	33.125

Ephemerides year 2020

03/08/2020 00:00:00	♁	28°31'41" ♀	23°25'42"	00°00'00"	-00°04'52"	0.003
03/08/2020 00:00:00	♃	09°13'43" ♀	06°13'39"	02°47'48"	-00°01'06"	18.300
03/08/2020 00:00:00	♁	21°08'02" ♀	03°53'28"	-04°41'32"	00°06'42"	0.003
03/08/2020 00:00:00	♁	28°31'41" ♀	23°25'42"	00°00'00"	-00°04'52"	0.003
03/08/2020 00:00:00	♁	28°29'27" ♀	06°45'50"	-04°27'42"	01°38'52"	0.003
03/08/2020 00:00:00	X	24°32'36" ♀	-01°21'15"	-11°39'37"	-00°00'08"	95.680
03/08/2020 00:00:00	Y	28°34'15" ♂	08°14'57"	-11°51'55"	00°00'18"	84.764
04/08/2020 00:00:00	♁	12°05'01" ♀	17°10'06"	-00°00'00"	00°57'25"	1.015
04/08/2020 00:00:00	♁	16°02'48" ♀	-19°38'51"	-03°47'55"	12°46'44"	0.003
04/08/2020 00:00:00	♁	27°51'22" ♀	21°04'29"	00°29'47"	01°50'28"	1.166
04/08/2020 00:00:00	♁	26°44'22" ♀	19°31'43"	-03°52'08"	00°52'41"	0.637
04/08/2020 00:00:00	♁	19°30'50" ♀	04°01'13"	-03°54'08"	00°25'18"	0.626
04/08/2020 00:00:00	♁	19°48'11" ♀	-22°20'32"	-00°22'14"	-00°06'36"	4.195
04/08/2020 00:00:00	♁	27°37'04" ♀	-20°52'56"	-00°15'06"	-00°04'12"	9.023
04/08/2020 00:00:00	♁	10°38'11" ♂	14°34'33"	-00°27'34"	00°00'34"	19.740
04/08/2020 00:00:00	♁	20°30'59" ♀	-04°46'11"	-01°06'04"	-00°01'11"	29.128
04/08/2020 00:00:00	♁	23°17'06" ♀	-22°26'38"	-01°01'49"	-00°01'21"	33.131
04/08/2020 00:00:00	♁	28°25'54" ♀	23°25'38"	00°00'00"	-00°06'37"	0.003
04/08/2020 00:00:00	♁	09°12'34" ♀	06°13'16"	02°47'52"	-00°01'09"	18.286

Ephemerides year 2020

04/08/2020 00:00:00	☾	21°14'44" ♀	03°56'18"	-04°41'10"	00°06'42"	0.003
04/08/2020 00:00:00	♄	28°25'54" ♀	23°25'38"	00°00'00"	-00°06'37"	0.003
04/08/2020 00:00:00	♃	29°25'13" ♀	07°08'25"	-04°24'23"	00°14'58"	0.003
04/08/2020 00:00:00	X	24°32'27" ♀	-01°21'22"	-11°39'42"	-00°00'08"	95.664
04/08/2020 00:00:00	Y	28°34'33" ♂	08°14'53"	-11°52'03"	00°00'18"	84.747
05/08/2020 00:00:00	☉	13°02'26" ♀	16°53'57"	-00°00'00"	00°57'26"	1.014
05/08/2020 00:00:00	☾	28°42'51" ♀	-16°05'58"	-04°27'45"	12°33'23"	0.003
05/08/2020 00:00:00	♁	29°43'17" ♂	20°51'59"	00°40'29"	01°53'18"	1.187
05/08/2020 00:00:00	♂	27°37'22" ♀	19°36'10"	-03°48'46"	00°53'17"	0.645
05/08/2020 00:00:00	♂	19°55'55" ♀	04°09'33"	-03°55'16"	00°24'51"	0.621
05/08/2020 00:00:00	♃	19°41'38" ♂	-22°21'36"	-00°22'20"	-00°06'29"	4.201
05/08/2020 00:00:00	♃	27°32'52" ♂	-20°53'50"	-00°15'11"	-00°04'11"	9.028
05/08/2020 00:00:00	♃	10°38'44" ♂	14°34'42"	-00°27'35"	00°00'31"	19.723
05/08/2020 00:00:00	♃	20°29'46" ♀	-04°46'42"	-01°06'06"	-00°01'13"	29.118
05/08/2020 00:00:00	♃	23°15'45" ♂	-22°26'57"	-01°01'54"	-00°01'20"	33.137
05/08/2020 00:00:00	♄	28°18'37" ♀	23°25'33"	00°00'00"	-00°07'49"	0.003
05/08/2020 00:00:00	♃	09°11'23" ♀	06°12'51"	02°47'55"	-00°01'12"	18.272
05/08/2020 00:00:00	☾	21°21'27" ♀	03°59'07"	-04°40'48"	00°06'42"	0.003
05/08/2020 00:00:00	♄	28°18'37" ♀	23°25'33"	00°00'00"	-00°07'49"	0.003

Ephemerides year 2020

05/08/2020 00:00:00	T♄	29°06'48" ♏	07°01'54"	-04°24'30"	-00°46'58"	0.003
05/08/2020 00:00:00	X	24°32'18" ♏	-01°21'30"	-11°39'47"	-00°00'09"	95.648
05/08/2020 00:00:00	Y	28°34'51" ♏	08°14'49"	-11°52'11"	00°00'17"	84.731
06/08/2020 00:00:00	☉	13°59'53" ♏	16°37'31"	-00°00'00"	00°57'27"	1.014
06/08/2020 00:00:00	☾	11°09'44" ♏	-11°54'27"	-04°54'01"	12°20'31"	0.003
06/08/2020 00:00:00	♀	01°37'51" ♏	20°36'51"	00°50'26"	01°55'46"	1.208
06/08/2020 00:00:00	♀	28°30'56" ♏	19°40'23"	-03°45'19"	00°53'51"	0.653
06/08/2020 00:00:00	♂	20°20'32" ♏	04°17'42"	-03°56'24"	00°24'23"	0.616
06/08/2020 00:00:00	♃	19°35'11" ♏	-22°22'38"	-00°22'26"	-00°06'23"	4.207
06/08/2020 00:00:00	♅	27°28'41" ♏	-20°54'44"	-00°15'16"	-00°04'09"	9.032
06/08/2020 00:00:00	♁	10°39'14" ♏	14°34'51"	-00°27'36"	00°00'28"	19.706
06/08/2020 00:00:00	♃	20°28'32" ♏	-04°47'13"	-01°06'08"	-00°01'14"	29.108
06/08/2020 00:00:00	♁	23°14'24" ♏	-22°27'15"	-01°01'59"	-00°01'20"	33.144
06/08/2020 00:00:00	♁	28°10'30" ♏	23°25'27"	00°00'00"	-00°08'15"	0.003
06/08/2020 00:00:00	♃	09°10'09" ♏	06°12'25"	02°47'59"	-00°01'15"	18.258
06/08/2020 00:00:00	♄	21°28'09" ♏	04°01'57"	-04°40'26"	00°06'42"	0.003
06/08/2020 00:00:00	T♁	28°10'30" ♏	23°25'27"	00°00'00"	-00°08'15"	0.003
06/08/2020 00:00:00	T♄	28°02'03" ♏	06°37'03"	-04°26'47"	-01°17'01"	0.003
06/08/2020 00:00:00	X	24°32'08" ♏	-01°21'39"	-11°39'52"	-00°00'10"	95.632

Ephemerides year 2020

06/08/2020 00:00:00	Y	28°35'08" ♄	08°14'44"	-11°52'19"	00°00'16"	84.714
07/08/2020 00:00:00	☉	14°57'21" ♁	16°20'49"	-00°00'00"	00°57'28"	1.014
07/08/2020 00:00:00	☾	23°24'20" ♃	-07°18'13"	-05°06'16"	12°08'58"	0.003
07/08/2020 00:00:00	♀	03°34'43" ♁	20°19'03"	00°59'36"	01°57'53"	1.227
07/08/2020 00:00:00	♀	29°25'04" ♃	19°44'20"	-03°41'47"	00°54'24"	0.660
07/08/2020 00:00:00	♂	20°44'41" ♃	04°25'41"	-03°57'30"	00°23'53"	0.611
07/08/2020 00:00:00	♃	19°28'51" ♃	-22°23'39"	-00°22'32"	-00°06'16"	4.213
07/08/2020 00:00:00	♃	27°24'33" ♃	-20°55'37"	-00°15'21"	-00°04'06"	9.037
07/08/2020 00:00:00	♃	10°39'41" ♄	14°34'58"	-00°27'37"	00°00'25"	19.689
07/08/2020 00:00:00	♃	20°27'17" ♃	-04°47'44"	-01°06'10"	-00°01'15"	29.098
07/08/2020 00:00:00	♃	23°13'05" ♃	-22°27'34"	-01°02'04"	-00°01'19"	33.151
07/08/2020 00:00:00	♁	28°02'23" ♃	23°25'20"	00°00'00"	-00°07'50"	0.003
07/08/2020 00:00:00	♃	09°08'52" ♃	06°11'58"	02°48'03"	-00°01'18"	18.245
07/08/2020 00:00:00	♃	21°34'52" ♃	04°04'47"	-04°40'04"	00°06'42"	0.003
07/08/2020 00:00:00	T♁	28°02'23" ♃	23°25'20"	00°00'00"	-00°07'50"	0.003
07/08/2020 00:00:00	T♃	26°42'37" ♃	06°06'07"	-04°29'46"	-01°17'49"	0.003
07/08/2020 00:00:00	X	24°31'58" ♃	-01°21'47"	-11°39'57"	-00°00'10"	95.616
07/08/2020 00:00:00	Y	28°35'24" ♄	08°14'40"	-11°52'28"	00°00'15"	84.697
08/08/2020 00:00:00	☉	15°54'50" ♁	16°03'51"	-00°00'00"	00°57'29"	1.014

Ephemerides year 2020

08/08/2020 00:00:00	♃	05°28'24" ♀	-02°29'16"	-05°04'38"	11°59'38"	0.003
08/08/2020 00:00:00	♆	05°33'30" ♂	19°58'37"	01°07'57"	01°59'37"	1.245
08/08/2020 00:00:00	♁	00°19'45" ♀	19°48'01"	-03°38'09"	00°54'56"	0.668
08/08/2020 00:00:00	♂	21°08'20" ♀	04°33'28"	-03°58'35"	00°23'24"	0.606
08/08/2020 00:00:00	♃	19°22'39" ♀	-22°24'38"	-00°22'39"	-00°06'09"	4.220
08/08/2020 00:00:00	♄	27°20'28" ♀	-20°56'30"	-00°15'26"	-00°04'04"	9.042
08/08/2020 00:00:00	♅	10°40'05" ♂	14°35'05"	-00°27'38"	00°00'22"	19.672
08/08/2020 00:00:00	♆	20°26'00" ♀	-04°48'16"	-01°06'12"	-00°01'17"	29.088
08/08/2020 00:00:00	♁	23°11'46" ♀	-22°27'52"	-01°02'09"	-00°01'18"	33.158
08/08/2020 00:00:00	♁	27°55'05" ♀	23°25'13"	00°00'00"	-00°06'40"	0.003
08/08/2020 00:00:00	♂	09°07'33" ♀	06°11'30"	02°48'06"	-00°01'21"	18.231
08/08/2020 00:00:00	♁	21°41'34" ♀	04°07'36"	-04°39'41"	00°06'42"	0.003
08/08/2020 00:00:00	♁	27°55'05" ♀	23°25'13"	00°00'00"	-00°06'40"	0.003
08/08/2020 00:00:00	♁	25°31'56" ♀	05°38'19"	-04°32'26"	-01°02'04"	0.003
08/08/2020 00:00:00	X	24°31'47" ♀	-01°21'55"	-11°40'02"	-00°00'11"	95.601
08/08/2020 00:00:00	Y	28°35'40" ♂	08°14'35"	-11°52'36"	00°00'15"	84.680
09/08/2020 00:00:00	♁	16°52'20" ♂	15°46'38"	-00°00'00"	00°57'30"	1.014
09/08/2020 00:00:00	♃	17°24'38" ♀	02°22'13"	-04°49'42"	11°53'25"	0.003
09/08/2020 00:00:00	♆	07°33'51" ♂	19°35'35"	01°15'28"	02°00'59"	1.262



Ephemerides year 2020

09/08/2020 00:00:00	♀	01°14'58" ♃	19°51'24"	-03°34'26"	00°55'27"	0.676
09/08/2020 00:00:00	♂	21°31'29" ♄	04°41'04"	-03°59'38"	00°22'53"	0.601
09/08/2020 00:00:00	♃	19°16'33" ♃	-22°25'36"	-00°22'44"	-00°06'01"	4.227
09/08/2020 00:00:00	♃	27°16'24" ♃	-20°57'22"	-00°15'30"	-00°04'02"	9.047
09/08/2020 00:00:00	♃	10°40'26" ♃	14°35'10"	-00°27'39"	00°00'19"	19.656
09/08/2020 00:00:00	♃	20°24'43" ♃	-04°48'48"	-01°06'14"	-00°01'18"	29.079
09/08/2020 00:00:00	♃	23°10'27" ♃	-22°28'10"	-01°02'13"	-00°01'17"	33.165
09/08/2020 00:00:00	♃	27°49'14" ♃	23°25'07"	00°00'00"	-00°04'56"	0.003
09/08/2020 00:00:00	♃	09°06'10" ♄	06°11'01"	02°48'10"	-00°01'23"	18.218
09/08/2020 00:00:00	♃	21°48'17" ♄	04°10'26"	-04°39'19"	00°06'42"	0.003
09/08/2020 00:00:00	T♃	27°49'14" ♃	23°25'07"	00°00'00"	-00°04'56"	0.003
09/08/2020 00:00:00	T♃	24°39'00" ♄	05°17'20"	-04°34'28"	-00°44'35"	0.003
09/08/2020 00:00:00	X	24°31'35" ♄	-01°22'04"	-11°40'07"	-00°00'12"	95.585
09/08/2020 00:00:00	Y	28°35'55" ♃	08°14'30"	-11°52'44"	00°00'14"	84.663
10/08/2020 00:00:00	♃	17°49'52" ♃	15°29'10"	-00°00'00"	00°57'32"	1.014
10/08/2020 00:00:00	♃	29°16'33" ♄	07°07'17"	-04°22'23"	11°51'07"	0.003
10/08/2020 00:00:00	♃	09°35'22" ♃	19°10'05"	01°22'08"	02°02'00"	1.278
10/08/2020 00:00:00	♀	02°10'41" ♃	19°54'30"	-03°30'39"	00°55'58"	0.684
10/08/2020 00:00:00	♂	21°54'07" ♄	04°48'28"	-04°00'41"	00°22'22"	0.596

Ephemerides year 2020

10/08/2020 00:00:00	♃	19°10'36" ♏	-22°26'33"	-00°22'50"	-00°05'53"	4.234
10/08/2020 00:00:00	♅	27°12'23" ♏	-20°58'14"	-00°15'35"	-00°03'59"	9.053
10/08/2020 00:00:00	♁	10°40'44" ♏	14°35'15"	-00°27'40"	00°00'16"	19.639
10/08/2020 00:00:00	♆	20°23'24" ♏	-04°49'21"	-01°06'15"	-00°01'19"	29.070
10/08/2020 00:00:00	♁	23°09'10" ♏	-22°28'28"	-01°02'18"	-00°01'17"	33.173
10/08/2020 00:00:00	♁	27°45'17" ♏	23°25'03"	00°00'00"	-00°02'57"	0.003
10/08/2020 00:00:00	♅	09°04'45" ♏	06°10'30"	02°48'13"	-00°01'26"	18.205
10/08/2020 00:00:00	♁	21°54'59" ♏	04°13'15"	-04°38'56"	00°06'42"	0.003
10/08/2020 00:00:00	♁	27°45'17" ♏	23°25'03"	00°00'00"	-00°02'57"	0.003
10/08/2020 00:00:00	♁	23°59'31" ♏	05°01'34"	-04°36'02"	-00°36'36"	0.003
10/08/2020 00:00:00	X	24°31'23" ♏	-01°22'13"	-11°40'12"	-00°00'12"	95.570
10/08/2020 00:00:00	Y	28°36'09" ♏	08°14'25"	-11°52'52"	00°00'13"	84.646
11/08/2020 00:00:00	♁	18°47'25" ♏	15°11'26"	-00°00'00"	00°57'33"	1.014
11/08/2020 00:00:00	♁	11°08'24" ♏	11°37'14"	-03°43'47"	11°53'22"	0.003
11/08/2020 00:00:00	♁	11°37'45" ♏	18°42'11"	01°27'56"	02°02'41"	1.292
11/08/2020 00:00:00	♁	03°06'53" ♏	19°57'16"	-03°26'47"	00°56'27"	0.692
11/08/2020 00:00:00	♁	22°16'13" ♏	04°55'41"	-04°01'42"	00°21'49"	0.591
11/08/2020 00:00:00	♃	19°04'46" ♏	-22°27'27"	-00°22'56"	-00°05'45"	4.241
11/08/2020 00:00:00	♅	27°08'24" ♏	-20°59'05"	-00°15'39"	-00°03'57"	9.059

Ephemerides year 2020

11/08/2020 00:00:00	♃	10°40'59" ♂	14°35'19"	-00°27'41"	00°00'13"	19.622
11/08/2020 00:00:00	♃	20°22'04" ♀	-04°49'54"	-01°06'17"	-00°01'20"	29.061
11/08/2020 00:00:00	♃	23°07'53" ♀	-22°28'46"	-01°02'23"	-00°01'16"	33.181
11/08/2020 00:00:00	♃	27°43'18" ♀	23°25'01"	00°00'00"	-00°01'04"	0.003
11/08/2020 00:00:00	♃	09°03'17" ♀	06°09'58"	02°48'16"	-00°01'29"	18.192
11/08/2020 00:00:00	♃	22°01'42" ♀	04°16'05"	-04°38'33"	00°06'42"	0.003
11/08/2020 00:00:00	♃	27°43'18" ♀	23°25'01"	00°00'00"	-00°01'04"	0.003
11/08/2020 00:00:00	♃	23°20'31" ♀	04°45'54"	-04°37'35"	-00°44'13"	0.003
11/08/2020 00:00:00	X	24°31'10" ♀	-01°22'22"	-11°40'17"	-00°00'13"	95.554
11/08/2020 00:00:00	Y	28°36'23" ♂	08°14'19"	-11°53'00"	00°00'13"	84.629
12/08/2020 00:00:00	♃	19°44'59" ♀	14°53'28"	-00°00'00"	00°57'35"	1.013
12/08/2020 00:00:00	♃	23°04'57" ♂	15°42'50"	-02°55'12"	12°00'35"	0.003
12/08/2020 00:00:00	♃	13°40'39" ♀	18°12'02"	01°32'53"	02°03'03"	1.305
12/08/2020 00:00:00	♃	04°03'35" ♀	19°59'42"	-03°22'51"	00°56'55"	0.700
12/08/2020 00:00:00	♃	22°37'47" ♀	05°02'42"	-04°02'41"	00°21'16"	0.586
12/08/2020 00:00:00	♃	18°59'04" ♀	-22°28'21"	-00°23'02"	-00°05'37"	4.249
12/08/2020 00:00:00	♃	27°04'29" ♀	-20°59'55"	-00°15'44"	-00°03'54"	9.065
12/08/2020 00:00:00	♃	10°41'11" ♂	14°35'22"	-00°27'42"	00°00'10"	19.606
12/08/2020 00:00:00	♃	20°20'43" ♀	-04°50'27"	-01°06'19"	-00°01'21"	29.053

Ephemerides year 2020

12/08/2020 00:00:00	♁	23°06'37" ♁	-22°29'03"	-01°02'28"	-00°01'15"	33.189
12/08/2020 00:00:00	♁	27°43'00" ♁	23°25'01"	00°00'00"	00°00'21"	0.003
12/08/2020 00:00:00	♁	09°01'47" ♁	06°09'26"	02°48'19"	-00°01'31"	18.180
12/08/2020 00:00:00	♁	22°08'24" ♁	04°18'55"	-04°38'10"	00°06'42"	0.003
12/08/2020 00:00:00	♁	27°43'00" ♁	23°25'01"	00°00'00"	00°00'21"	0.003
12/08/2020 00:00:00	♁	22°25'19" ♁	04°23'43"	-04°39'42"	-01°08'55"	0.003
12/08/2020 00:00:00	X	24°30'56" ♁	-01°22'31"	-11°40'22"	-00°00'13"	95.539
12/08/2020 00:00:00	Y	28°36'36" ♁	08°14'14"	-11°53'09"	00°00'12"	84.612
13/08/2020 00:00:00	♁	20°42'35" ♁	14°35'16"	-00°00'00"	00°57'36"	1.013
13/08/2020 00:00:00	♁	05°11'18" ♁	19°13'28"	-01°58'11"	12°12'56"	0.003
13/08/2020 00:00:00	♁	15°43'45" ♁	17°39'46"	01°37'00"	02°03'07"	1.317
13/08/2020 00:00:00	♁	05°00'44" ♁	20°01'47"	-03°18'51"	00°57'22"	0.707
13/08/2020 00:00:00	♁	22°58'47" ♁	05°09'31"	-04°03'39"	00°20'43"	0.581
13/08/2020 00:00:00	♁	18°53'30" ♁	-22°29'13"	-00°23'07"	-00°05'29"	4.257
13/08/2020 00:00:00	♁	27°00'36" ♁	-21°00'45"	-00°15'48"	-00°03'51"	9.072
13/08/2020 00:00:00	♁	10°41'20" ♁	14°35'24"	-00°27'43"	00°00'07"	19.589
13/08/2020 00:00:00	♁	20°19'21" ♁	-04°51'01"	-01°06'21"	-00°01'22"	29.044
13/08/2020 00:00:00	♁	23°05'22" ♁	-22°29'21"	-01°02'33"	-00°01'14"	33.198
13/08/2020 00:00:00	♁	27°43'46" ♁	23°25'02"	00°00'00"	00°01'03"	0.003

Ephemerides year 2020

13/08/2020 00:00:00	♄	09°00'14" ♏	06°08'52"	02°48'22"	-00°01'34"	18.167
13/08/2020 00:00:00	♁	22°15'07" ♏	04°21'44"	-04°37'47"	00°06'42"	0.003
13/08/2020 00:00:00	♁♁	27°43'46" ♏	23°25'02"	00°00'00"	00°01'03"	0.003
13/08/2020 00:00:00	♁♁	20°57'58" ♏	03°48'37"	-04°42'46"	-01°47'31"	0.003
13/08/2020 00:00:00	X	24°30'42" ♏	-01°22'41"	-11°40'26"	-00°00'14"	95.524
13/08/2020 00:00:00	Y	28°36'48" ♏	08°14'08"	-11°53'17"	00°00'11"	84.595
14/08/2020 00:00:00	♁	21°40'13" ♏	14°16'49"	-00°00'00"	00°57'38"	1.013
14/08/2020 00:00:00	♁	17°32'29" ♏	21°56'50"	-00°54'35"	12°30'13"	0.003
14/08/2020 00:00:00	♁	17°46'49" ♏	17°05'33"	01°40'17"	02°02'57"	1.327
14/08/2020 00:00:00	♁	05°58'20" ♏	20°03'31"	-03°14'47"	00°57'49"	0.715
14/08/2020 00:00:00	♁	23°19'12" ♏	05°16'08"	-04°04'35"	00°20'08"	0.576
14/08/2020 00:00:00	♁	18°48'05" ♏	-22°30'04"	-00°23'12"	-00°05'20"	4.265
14/08/2020 00:00:00	♁	26°56'46" ♏	-21°01'33"	-00°15'53"	-00°03'48"	9.079
14/08/2020 00:00:00	♁	10°41'26" ♏	14°35'25"	-00°27'43"	00°00'04"	19.572
14/08/2020 00:00:00	♁	20°17'57" ♏	-04°51'35"	-01°06'22"	-00°01'23"	29.036
14/08/2020 00:00:00	♁	23°04'08" ♏	-22°29'38"	-01°02'37"	-00°01'13"	33.207
14/08/2020 00:00:00	♁	27°44'48" ♏	23°25'03"	00°00'00"	00°00'50"	0.003
14/08/2020 00:00:00	♁	08°58'39" ♏	06°08'17"	02°48'25"	-00°01'36"	18.155
14/08/2020 00:00:00	♁	22°21'49" ♏	04°24'34"	-04°37'24"	00°06'42"	0.003

Ephemerides year 2020

14/08/2020 00:00:00	T♄	27°44'48" ♀	23°25'03"	00°00'00"	00°00'50"	0.003
14/08/2020 00:00:00	T♄	18°48'28" ♀	02°56'28"	-04°46'51"	-02°31'20"	0.003
14/08/2020 00:00:00	X	24°30'28" ♀	-01°22'50"	-11°40'31"	-00°00'14"	95.509
14/08/2020 00:00:00	Y	28°37'00" ♂	08°14'03"	-11°53'26"	00°00'11"	84.578
15/08/2020 00:00:00	♁	22°37'51" ♀	13°58'09"	-00°00'00"	00°57'39"	1.013
15/08/2020 00:00:00	♃	00°13'09" ♀	23°39'26"	00°13'14"	12°51'44"	0.003
15/08/2020 00:00:00	♁	19°49'35" ♀	16°29'33"	01°42'46"	02°02'32"	1.336
15/08/2020 00:00:00	♁	06°56'22" ♀	20°04'52"	-03°10'40"	00°58'14"	0.723
15/08/2020 00:00:00	♂	23°39'03" ♀	05°22'32"	-04°05'30"	00°19'32"	0.571
15/08/2020 00:00:00	♃	18°42'49" ♀	-22°30'53"	-00°23'18"	-00°05'11"	4.273
15/08/2020 00:00:00	♃	26°52'59" ♀	-21°02'22"	-00°15'57"	-00°03'45"	9.086
15/08/2020 00:00:00	♁	10°41'30" ♂	14°35'25"	-00°27'44"	00°00'01"	19.556
15/08/2020 00:00:00	♁	20°16'33" ♀	-04°52'10"	-01°06'24"	-00°01'24"	29.028
15/08/2020 00:00:00	♁	23°02'54" ♀	-22°29'55"	-01°02'42"	-00°01'12"	33.216
15/08/2020 00:00:00	♁	27°45'09" ♀	23°25'03"	00°00'00"	-00°00'16"	0.003
15/08/2020 00:00:00	♁	08°57'01" ♀	06°07'41"	02°48'28"	-00°01'39"	18.143
15/08/2020 00:00:00	♁	22°28'32" ♀	04°27'24"	-04°37'00"	00°06'42"	0.003
15/08/2020 00:00:00	T♄	27°45'09" ♀	23°25'03"	00°00'00"	-00°00'16"	0.003
15/08/2020 00:00:00	T♄	15°58'10" ♀	01°47'44"	-04°51'29"	-03°06'31"	0.003

Ephemerides year 2020

15/08/2020 00:00:00	X	24°30'13" ♄	-01°23'00"	-11°40'36"	-00°00'15"	95.494
15/08/2020 00:00:00	Y	28°37'10" ♃	08°13'57"	-11°53'34"	00°00'10"	84.560
16/08/2020 00:00:00	☉	23°35'32" ♋	13°39'16"	-00°00'00"	00°57'41"	1.013
16/08/2020 00:00:00	☾	13°16'59" ♉	24°08'18" ♁	01°22'16"	13°16'17"	0.003
16/08/2020 00:00:00	♀	21°51'50" ♋	15°51'56"	01°44'29"	02°01'56"	1.344
16/08/2020 00:00:00	♀	07°54'49" ♉	20°05'51"	-03°06'29"	00°58'39"	0.731
16/08/2020 00:00:00	♂	23°58'17" ♄	05°28'44"	-04°06'22"	00°18'56"	0.566
16/08/2020 00:00:00	♃	18°37'41" ♉	-22°31'40"	-00°23'23"	-00°05'02"	4.282
16/08/2020 00:00:00	♃	26°49'16" ♉	-21°03'09"	-00°16'02"	-00°03'41"	9.093
16/08/2020 00:00:00	♃	10°41'30" ♃	14°35'24"	-00°27'45"	-00°00'01"	19.539
16/08/2020 00:00:00	♃	20°15'08" ♃	-04°52'45"	-01°06'26"	-00°01'25"	29.021
16/08/2020 00:00:00	♃	23°01'42" ♉	-22°30'11"	-01°02'47"	-00°01'11"	33.225
16/08/2020 00:00:00	♋	27°43'59" ♃	23°25'02"	00°00'00"	-00°02'09"	0.003
16/08/2020 00:00:00	♋	08°55'20" ♄	06°07'03"	02°48'31"	-00°01'41"	18.131
16/08/2020 00:00:00	♋	22°35'15" ♄	04°30'13"	-04°36'37"	00°06'42"	0.003
16/08/2020 00:00:00	T♋	27°43'59" ♃	23°25'02"	00°00'00"	-00°02'09"	0.003
16/08/2020 00:00:00	T♋	12°43'07" ♄	00°28'52"	-04°55'47"	-03°18'56"	0.003
16/08/2020 00:00:00	X	24°29'57" ♄	-01°23'10"	-11°40'40"	-00°00'15"	95.479
16/08/2020 00:00:00	Y	28°37'21" ♃	08°13'50"	-11°53'42"	00°00'09"	84.543

Ephemerides year 2020

17/08/2020 00:00:00	☉	24°33'14" ♈	13°20'09"	00°00'00"	00°57'42"	1.012
17/08/2020 00:00:00	☾	26°46'08" ♎	23°14'00"	02°28'48"	13°42'00"	0.003
17/08/2020 00:00:00	♃	23°53'25" ♈	15°12'51"	01°45'27"	02°01'10"	1.350
17/08/2020 00:00:00	♄	08°53'40" ♎	20°06'26"	-03°02'15"	00°59'03"	0.739
17/08/2020 00:00:00	♅	24°16'55" ♈	05°34'43"	-04°07'13"	00°18'18"	0.561
17/08/2020 00:00:00	♆	18°32'43" ♎	-22°32'26"	-00°23'28"	-00°04'53"	4.290
17/08/2020 00:00:00	♇	26°45'35" ♎	-21°03'56"	-00°16'06"	-00°03'38"	9.100
17/08/2020 00:00:00	♈	10°41'27" ♉	14°35'22"	-00°27'46"	-00°00'04"	19.523
17/08/2020 00:00:00	♉	20°13'42" ♈	-04°53'20"	-01°06'27"	-00°01'26"	29.014
17/08/2020 00:00:00	♊	23°00'31" ♎	-22°30'28"	-01°02'51"	-00°01'10"	33.234
17/08/2020 00:00:00	♋	27°40'42" ♈	23°24'59"	00°00'00"	-00°04'26"	0.003
17/08/2020 00:00:00	♌	08°53'37" ♈	06°06'25"	02°48'33"	-00°01'44"	18.120
17/08/2020 00:00:00	♍	22°41'57" ♈	04°33'03"	-04°36'13"	00°06'42"	0.003
17/08/2020 00:00:00	♎	27°40'42" ♈	23°24'59"	00°00'00"	-00°04'26"	0.003
17/08/2020 00:00:00	♏	09°29'51" ♈	-00°49'13"	-04°58'59"	-03°03'10"	0.003
17/08/2020 00:00:00	♐	24°29'41" ♈	-01°23'20"	-11°40'45"	-00°00'16"	95.465
17/08/2020 00:00:00	♑	28°37'30" ♉	08°13'44"	-11°53'51"	00°00'09"	84.526
18/08/2020 00:00:00	☉	25°30'57" ♈	13°00'50"	00°00'00"	00°57'43"	1.012
18/08/2020 00:00:00	☾	10°40'34" ♈	20°53'52"	03°28'29"	14°06'27"	0.002



Ephemerides year 2020

18/08/2020 00:00:00	♀	25°54'09" ♈	14°32'28"	01°45'42"	02°00'16"	1.356
18/08/2020 00:00:00	♀	09°52'55" ♉	20°06'37"	-02°57'59"	00°59'26"	0.747
18/08/2020 00:00:00	♂	24°34'55" ♊	05°40'29"	-04°08'03"	00°17'40"	0.557
18/08/2020 00:00:00	♈	18°27'54" ♎	-22°33'11"	-00°23'33"	-00°04'44"	4.299
18/08/2020 00:00:00	♏	26°41'58" ♎	-21°04'42"	-00°16'11"	-00°03'35"	9.108
18/08/2020 00:00:00	♏	10°41'21" ♏	14°35'20"	-00°27'47"	-00°00'07"	19.506
18/08/2020 00:00:00	♏	20°12'15" ♏	-04°53'56"	-01°06'29"	-00°01'27"	29.007
18/08/2020 00:00:00	♏	22°59'20" ♎	-22°30'44"	-01°02'56"	-00°01'09"	33.244
18/08/2020 00:00:00	♏	27°35'06" ♏	23°24'53"	00°00'00"	-00°06'43"	0.003
18/08/2020 00:00:00	♏	08°51'52" ♏	06°05'46"	02°48'36"	-00°01'46"	18.108
18/08/2020 00:00:00	♏	22°48'40" ♏	04°35'53"	-04°35'49"	00°06'42"	0.003
18/08/2020 00:00:00	T♏	27°35'06" ♏	23°24'53"	00°00'00"	-00°06'43"	0.003
18/08/2020 00:00:00	T♏	06°43'27" ♏	-01°56'15"	-05°00'54"	-02°27'38"	0.003
18/08/2020 00:00:00	X	24°29'24" ♏	-01°23'30"	-11°40'49"	-00°00'17"	95.450
18/08/2020 00:00:00	Y	28°37'39" ♏	08°13'38"	-11°53'59"	00°00'08"	84.508
19/08/2020 00:00:00	♏	26°28'41" ♈	12°41'19"	00°00'00"	00°57'45"	1.012
19/08/2020 00:00:00	♏	24°57'44" ♈	17°13'40"	04°16'46"	14°26'59"	0.002
19/08/2020 00:00:00	♀	27°53'55" ♈	13°50'56"	01°45'18"	01°59'15"	1.360
19/08/2020 00:00:00	♀	10°52'33" ♉	20°06'23"	-02°53'39"	00°59'48"	0.754

Ephemerides year 2020

19/08/2020 00:00:00	♂	24°52'16" ♀	05°46'02"	-04°08'50"	00°17'01"	0.552
19/08/2020 00:00:00	♃	18°23'15" ♀	-22°33'54"	-00°23'38"	-00°04'34"	4.309
19/08/2020 00:00:00	♅	26°38'25" ♀	-21°05'27"	-00°16'15"	-00°03'31"	9.116
19/08/2020 00:00:00	♁	10°41'13" ♂	14°35'16"	-00°27'48"	-00°00'10"	19.490
19/08/2020 00:00:00	♆	20°10'47" ♃	-04°54'32"	-01°06'30"	-00°01'28"	29.000
19/08/2020 00:00:00	♁	22°58'11" ♀	-22°31'01"	-01°03'00"	-00°01'09"	33.254
19/08/2020 00:00:00	♁	27°27'27" ♃	23°24'44"	00°00'00"	-00°08'28"	0.003
19/08/2020 00:00:00	♃	08°50'04" ♀	06°05'05"	02°48'38"	-00°01'49"	18.097
19/08/2020 00:00:00	♁	22°55'22" ♀	04°38'43"	-04°35'25"	00°06'42"	0.003
19/08/2020 00:00:00	♁	27°27'27" ♃	23°24'44"	00°00'00"	-00°08'28"	0.003
19/08/2020 00:00:00	♁	04°35'26" ♀	-02°47'39"	-05°01'51"	-01°49'27"	0.003
19/08/2020 00:00:00	X	24°29'07" ♀	-01°23'40"	-11°40'53"	-00°00'17"	95.436
19/08/2020 00:00:00	Y	28°37'47" ♂	08°13'31"	-11°54'08"	00°00'07"	84.491
20/08/2020 00:00:00	♁	27°26'27" ♀	12°21'35"	00°00'00"	00°57'46"	1.012
20/08/2020 00:00:00	♃	09°32'26" ♃	12°27'20"	04°49'24"	14°41'10"	0.002
20/08/2020 00:00:00	♁	29°52'38" ♀	13°08'24"	01°44'15"	01°58'08"	1.363
20/08/2020 00:00:00	♀	11°52'32" ♁	20°05'44"	-02°49'17"	01°00'10"	0.762
20/08/2020 00:00:00	♂	25°08'58" ♀	05°51'22"	-04°09'35"	00°16'21"	0.547
20/08/2020 00:00:00	♃	18°18'45" ♀	-22°34'35"	-00°23'43"	-00°04'24"	4.318

Ephemerides year 2020

20/08/2020 00:00:00	♃	26°34'55" ♏	-21°06'11"	-00°16'19"	-00°03'28"	9.125
20/08/2020 00:00:00	♃	10°41'01" ♏	14°35'11"	-00°27'49"	-00°00'13"	19.474
20/08/2020 00:00:00	♃	20°09'18" ♏	-04°55'08"	-01°06'32"	-00°01'29"	28.993
20/08/2020 00:00:00	♃	22°57'02" ♏	-22°31'17"	-01°03'05"	-00°01'08"	33.265
20/08/2020 00:00:00	♃	27°18'27" ♏	23°24'34"	00°00'00"	-00°09'19"	0.003
20/08/2020 00:00:00	♃	08°48'13" ♏	06°04'24"	02°48'41"	-00°01'51"	18.086
20/08/2020 00:00:00	♃	23°02'05" ♏	04°41'33"	-04°35'01"	00°06'42"	0.003
20/08/2020 00:00:00	♃	27°18'27" ♏	23°24'34"	00°00'00"	-00°09'19"	0.003
20/08/2020 00:00:00	♃	03°00'03" ♏	-03°25'51"	-05°02'20"	-01°24'25"	0.003
20/08/2020 00:00:00	X	24°28'49" ♏	-01°23'50"	-11°40'58"	-00°00'18"	95.422
20/08/2020 00:00:00	Y	28°37'54" ♏	08°13'24"	-11°54'16"	00°00'06"	84.474
21/08/2020 00:00:00	♃	28°24'15" ♏	12°01'40"	00°00'00"	00°57'47"	1.012
21/08/2020 00:00:00	♃	24°17'26" ♏	06°54'25"	05°03'18"	14°47'26"	0.002
21/08/2020 00:00:00	♃	01°50'11" ♏	12°25'01"	01°42'36"	01°56'57"	1.365
21/08/2020 00:00:00	♃	12°52'53" ♏	20°04'39"	-02°44'53"	01°00'31"	0.770
21/08/2020 00:00:00	♃	25°24'59" ♏	05°56'29"	-04°10'18"	00°15'41"	0.543
21/08/2020 00:00:00	♃	18°14'25" ♏	-22°35'15"	-00°23'47"	-00°04'15"	4.328
21/08/2020 00:00:00	♃	26°31'29" ♏	-21°06'55"	-00°16'23"	-00°03'24"	9.133
21/08/2020 00:00:00	♃	10°40'46" ♏	14°35'06"	-00°27'50"	-00°00'16"	19.458

Ephemerides year 2020

21/08/2020 00:00:00	♁	20°07'48" ♈	-04°55'45"	-01°06'33"	-00°01'30"	28.987
21/08/2020 00:00:00	♁	22°55'55" ♈	-22°31'32"	-01°03'09"	-00°01'06"	33.275
21/08/2020 00:00:00	♁	27°09'11" ♈	23°24'22"	00°00'00"	-00°09'01"	0.003
21/08/2020 00:00:00	♁	08°46'20" ♈	06°03'41"	02°48'43"	-00°01'53"	18.075
21/08/2020 00:00:00	♁	23°08'47" ♈	04°44'22"	-04°34'37"	00°06'42"	0.003
21/08/2020 00:00:00	♁	27°09'11" ♈	23°24'22"	00°00'00"	-00°09'01"	0.003
21/08/2020 00:00:00	♁	01°39'39" ♈	-03°58'07"	-05°02'44"	-01°19'47"	0.003
21/08/2020 00:00:00	X	24°28'30" ♈	-01°24'01"	-11°41'02"	-00°00'18"	95.408
21/08/2020 00:00:00	Y	28°38'01" ♈	08°13'18"	-11°54'25"	00°00'06"	84.456
22/08/2020 00:00:00	♁	29°22'03" ♈	11°41'33"	00°00'00"	00°57'48"	1.011
22/08/2020 00:00:00	♁	09°04'36" ♈	00°57'19"	04°57'03"	14°45'34"	0.002
22/08/2020 00:00:00	♁	03°46'32" ♈	11°40'53"	01°40'23"	01°55'43"	1.367
22/08/2020 00:00:00	♁	13°53'34" ♈	20°03'07"	-02°40'27"	01°00'51"	0.778
22/08/2020 00:00:00	♁	25°40'20" ♈	06°01'22"	-04°10'59"	00°15'00"	0.538
22/08/2020 00:00:00	♁	18°10'15" ♈	-22°35'53"	-00°23'52"	-00°04'04"	4.338
22/08/2020 00:00:00	♁	26°28'06" ♈	-21°07'37"	-00°16'28"	-00°03'20"	9.142
22/08/2020 00:00:00	♁	10°40'28" ♈	14°35'00"	-00°27'51"	-00°00'19"	19.442
22/08/2020 00:00:00	♁	20°06'17" ♈	-04°56'22"	-01°06'34"	-00°01'31"	28.981
22/08/2020 00:00:00	♁	22°54'48" ♈	-22°31'48"	-01°03'14"	-00°01'05"	33.286

Ephemerides year 2020

22/08/2020 00:00:00	♏	27°00'45" ♀	23°24'11"	00°00'00"	-00°07'39"	0.003
22/08/2020 00:00:00	♋	08°44'25" ♀	06°02'58"	02°48'45"	-00°01'56"	18.065
22/08/2020 00:00:00	♏	23°15'29" ♀	04°47'12"	-04°34'13"	00°06'42"	0.003
22/08/2020 00:00:00	♏	27°00'45" ♀	23°24'11"	00°00'00"	-00°07'39"	0.003
22/08/2020 00:00:00	♏	00°15'05" ♀	-04°32'10"	-05°03'15"	-01°30'52"	0.003
22/08/2020 00:00:00	X	24°28'11" ♀	-01°24'11"	-11°41'06"	-00°00'19"	95.394
22/08/2020 00:00:00	Y	28°38'06" ♂	08°13'10"	-11°54'33"	00°00'05"	84.439
23/08/2020 00:00:00	♏	00°19'52" ♀	11°21'15"	00°00'00"	00°57'50"	1.011
23/08/2020 00:00:00	♏	23°46'13" ♀	-05°01'09"	04°31'16"	14°36'38"	0.002
23/08/2020 00:00:00	♏	05°41'38" ♀	10°56'08"	01°37'39"	01°54'27"	1.367
23/08/2020 00:00:00	♏	14°54'35" ♀	20°01'09"	-02°35'58"	01°01'11"	0.785
23/08/2020 00:00:00	♏	25°55'00" ♀	06°06'02"	-04°11'37"	00°14'18"	0.534
23/08/2020 00:00:00	♏	18°06'15" ♀	-22°36'30"	-00°23'56"	-00°03'54"	4.348
23/08/2020 00:00:00	♏	26°24'48" ♀	-21°08'19"	-00°16'32"	-00°03'16"	9.151
23/08/2020 00:00:00	♏	10°40'08" ♀	14°34'52"	-00°27'52"	-00°00'22"	19.426
23/08/2020 00:00:00	♏	20°04'45" ♀	-04°56'59"	-01°06'36"	-00°01'31"	28.975
23/08/2020 00:00:00	♏	22°53'43" ♀	-22°32'03"	-01°03'18"	-00°01'04"	33.297
23/08/2020 00:00:00	♏	26°54'08" ♀	23°24'02"	00°00'00"	-00°05'29"	0.003
23/08/2020 00:00:00	♏	08°42'28" ♀	06°02'13"	02°48'47"	-00°01'58"	18.054

Ephemerides year 2020

23/08/2020 00:00:00	☾	23°22'12" ♀	04°50'02"	-04°33'48"	00°06'42"	0.003
23/08/2020 00:00:00	♁	26°54'08" ♀	23°24'02"	00°00'00"	-00°05'29"	0.003
23/08/2020 00:00:00	♁	28°38'20" ♀	-05°11'09"	-05°03'48"	-01°40'24"	0.003
23/08/2020 00:00:00	X	24°27'51" ♀	-01°24'22"	-11°41'10"	-00°00'19"	95.380
23/08/2020 00:00:00	Y	28°38'11" ♂	08°13'03"	-11°54'42"	00°00'04"	84.422
24/08/2020 00:00:00	☉	01°17'43" ♀	11°00'46"	00°00'00"	00°57'51"	1.011
24/08/2020 00:00:00	☽	08°16'12" ♀	-10°39'22"	03°48'18"	14°22'40"	0.002
24/08/2020 00:00:00	♀	07°35'27" ♀	10°10'52"	01°34'25"	01°53'09"	1.367
24/08/2020 00:00:00	♀	15°55'56" ♀	19°58'43"	-02°31'28"	01°01'30"	0.793
24/08/2020 00:00:00	♂	26°08'57" ♀	06°10'29"	-04°12'13"	00°13'36"	0.529
24/08/2020 00:00:00	♃	18°02'25" ♀	-22°37'05"	-00°24'01"	-00°03'44"	4.358
24/08/2020 00:00:00	♃	26°21'34" ♀	-21°09'00"	-00°16'36"	-00°03'12"	9.161
24/08/2020 00:00:00	♃	10°39'44" ♂	14°34'44"	-00°27'53"	-00°00'25"	19.410
24/08/2020 00:00:00	♃	20°03'13" ♀	-04°57'37"	-01°06'37"	-00°01'32"	28.970
24/08/2020 00:00:00	♃	22°52'39" ♀	-22°32'18"	-01°03'23"	-00°01'03"	33.308
24/08/2020 00:00:00	♁	26°49'49" ♀	23°23'56"	00°00'00"	-00°03'06"	0.003
24/08/2020 00:00:00	♃	08°40'29" ♀	06°01'28"	02°48'48"	-00°02'00"	18.044
24/08/2020 00:00:00	☾	23°28'54" ♀	04°52'52"	-04°33'24"	00°06'42"	0.003
24/08/2020 00:00:00	♁	26°49'49" ♀	23°23'56"	00°00'00"	-00°03'06"	0.003

Ephemerides year 2020

24/08/2020 00:00:00	T♄	27°02'52" ♉	-05°49'28"	-05°04'11"	-01°24'26"	0.003
24/08/2020 00:00:00	X	24°27'31" ♉	-01°24'33"	-11°41'14"	-00°00'20"	95.367
24/08/2020 00:00:00	Y	28°38'16" ♉	08°12'56"	-11°54'50"	00°00'03"	84.404
25/08/2020 00:00:00	☉	02°15'35" ♉	10°40'07"	00°00'00"	00°57'52"	1.011
25/08/2020 00:00:00	☾	22°30'40" ♉	-15°37'37"	02°51'46"	14°06'00"	0.002
25/08/2020 00:00:00	♀	09°27'58" ♉	09°25'12"	01°30'43"	01°51'51"	1.366
25/08/2020 00:00:00	♀	16°57'36" ♉	19°55'50"	-02°26'57"	01°01'49"	0.801
25/08/2020 00:00:00	♂	26°22'12" ♉	06°14'42"	-04°12'46"	00°12'53"	0.525
25/08/2020 00:00:00	♋	17°58'47" ♉	-22°37'38"	-00°24'05"	-00°03'33"	4.369
25/08/2020 00:00:00	♌	26°18'24" ♉	-21°09'40"	-00°16'40"	-00°03'07"	9.170
25/08/2020 00:00:00	♍	10°39'17" ♉	14°34'35"	-00°27'54"	-00°00'27"	19.394
25/08/2020 00:00:00	♎	20°01'40" ♉	-04°58'14"	-01°06'38"	-00°01'33"	28.965
25/08/2020 00:00:00	♏	22°51'36" ♉	-22°32'33"	-01°03'27"	-00°01'02"	33.320
25/08/2020 00:00:00	♐	26°47'48" ♉	23°23'53"	00°00'00"	-00°01'01"	0.003
25/08/2020 00:00:00	♑	08°38'27" ♉	06°00'41"	02°48'50"	-00°02'02"	18.035
25/08/2020 00:00:00	♒	23°35'36" ♉	04°55'42"	-04°32'59"	00°06'42"	0.003
25/08/2020 00:00:00	T♏	26°47'48" ♉	23°23'53"	00°00'00"	-00°01'01"	0.003
25/08/2020 00:00:00	T♄	26°03'12" ♉	-06°13'21"	-05°04'21"	-00°27'59"	0.003
25/08/2020 00:00:00	X	24°27'11" ♉	-01°24'44"	-11°41'18"	-00°00'20"	95.354

Ephemerides year 2020

25/08/2020 00:00:00	Y	28°38'19" ♃	08°12'48"	-11°54'59"	00°00'03"	84.387
26/08/2020 00:00:00	☉	03°13'29" ♉	10°19'18"	-00°00'00"	00°57'53"	1.011
26/08/2020 00:00:00	☾	06°27'59" ♋	-19°38'44"	01°45'59"	13°48'39"	0.003
26/08/2020 00:00:00	♀	11°19'09" ♉	08°39'13"	01°26'35"	01°50'31"	1.364
26/08/2020 00:00:00	♀	17°59'35" ♉	19°52'29"	-02°22'24"	01°02'07"	0.809
26/08/2020 00:00:00	♂	26°34'44" ♏	06°18'42"	-04°13'17"	00°12'09"	0.520
26/08/2020 00:00:00	♃	17°55'18" ♋	-22°38'10"	-00°24'09"	-00°03'22"	4.379
26/08/2020 00:00:00	♃	26°15'18" ♋	-21°10'19"	-00°16'44"	-00°03'03"	9.180
26/08/2020 00:00:00	♃	10°38'48" ♃	14°34'25"	-00°27'55"	-00°00'30"	19.379
26/08/2020 00:00:00	♃	20°00'07" ♃	-04°58'52"	-01°06'39"	-00°01'33"	28.960
26/08/2020 00:00:00	♃	22°50'34" ♋	-22°32'48"	-01°03'31"	-00°01'01"	33.331
26/08/2020 00:00:00	♁	26°47'29" ♁	23°23'52"	00°00'00"	00°00'13"	0.003
26/08/2020 00:00:00	♃	08°36'23" ♏	05°59'54"	02°48'51"	-00°02'04"	18.025
26/08/2020 00:00:00	♃	23°42'19" ♏	04°58'32"	-04°32'34"	00°06'42"	0.003
26/08/2020 00:00:00	T♁	26°47'29" ♁	23°23'52"	00°00'00"	00°00'13"	0.003
26/08/2020 00:00:00	T♃	26°18'22" ♃	-06°07'23"	-05°04'25"	01°02'16"	0.003
26/08/2020 00:00:00	X	24°26'50" ♏	-01°24'55"	-11°41'22"	-00°00'21"	95.341
26/08/2020 00:00:00	Y	28°38'22" ♃	08°12'40"	-11°55'07"	00°00'02"	84.370
27/08/2020 00:00:00	☉	04°11'23" ♉	09°58'20"	-00°00'00"	00°57'55"	1.010



Ephemerides year 2020

27/08/2020 00:00:00	♃	20°08'14" ♄	-22°28'55"	00°35'23"	13°32'03"	0.003
27/08/2020 00:00:00	♁	13°09'02" ♃	07°52'59"	01°22'03"	01°49'12"	1.361
27/08/2020 00:00:00	♂	19°01'52" ♃	19°48'40"	-02°17'49"	01°02'25"	0.816
27/08/2020 00:00:00	♂	26°46'32" ♃	06°22'28"	-04°13'45"	00°11'25"	0.516
27/08/2020 00:00:00	♃	17°52'01" ♃	-22°38'40"	-00°24'14"	-00°03'12"	4.390
27/08/2020 00:00:00	♃	26°12'17" ♃	-21°10'57"	-00°16'48"	-00°02'59"	9.190
27/08/2020 00:00:00	♃	10°38'16" ♃	14°34'14"	-00°27'56"	-00°00'33"	19.363
27/08/2020 00:00:00	♃	19°58'33" ♃	-04°59'30"	-01°06'41"	-00°01'34"	28.956
27/08/2020 00:00:00	♃	22°49'34" ♃	-22°33'02"	-01°03'36"	-00°00'59"	33.343
27/08/2020 00:00:00	♁	26°47'53" ♃	23°23'53"	00°00'00"	00°00'22"	0.003
27/08/2020 00:00:00	♃	08°34'18" ♃	05°59'05"	02°48'53"	-00°02'06"	18.016
27/08/2020 00:00:00	♁	23°49'01" ♃	05°01'21"	-04°32'09"	00°06'42"	0.003
27/08/2020 00:00:00	♁	26°47'53" ♃	23°23'53"	00°00'00"	00°00'22"	0.003
27/08/2020 00:00:00	♁	28°11'09" ♃	-05°22'18"	-05°04'10"	02°42'43"	0.003
27/08/2020 00:00:00	X	24°26'28" ♃	-01°25'06"	-11°41'26"	-00°00'21"	95.328
27/08/2020 00:00:00	Y	28°38'25" ♃	08°12'33"	-11°55'15"	00°00'01"	84.352
28/08/2020 00:00:00	♁	05°09'19" ♃	09°37'11"	-00°00'00"	00°57'56"	1.010
28/08/2020 00:00:00	♃	03°32'36" ♃	-23°59'08"	-00°35'47"	13°16'57"	0.003
28/08/2020 00:00:00	♁	14°57'35" ♃	07°06'37"	01°17'10"	01°47'53"	1.358

Ephemerides year 2020

28/08/2020 00:00:00	♀	20°04'27" ♄	19°44'22"	-02°13'14"	01°02'43"	0.824
28/08/2020 00:00:00	♂	26°57'35" ♀	06°26'01"	-04°14'10"	00°10'40"	0.512
28/08/2020 00:00:00	♃	17°48'54" ♁	-22°39'09"	-00°24'18"	-00°03'01"	4.401
28/08/2020 00:00:00	♅	26°09'20" ♁	-21°11'34"	-00°16'52"	-00°02'54"	9.201
28/08/2020 00:00:00	♁	10°37'41" ♃	14°34'02"	-00°27'56"	-00°00'36"	19.348
28/08/2020 00:00:00	♃	19°56'58" ♃	-05°00'09"	-01°06'42"	-00°01'34"	28.951
28/08/2020 00:00:00	♁	22°48'35" ♁	-22°33'16"	-01°03'40"	-00°00'58"	33.355
28/08/2020 00:00:00	♁	26°47'50" ♃	23°23'53"	00°00'00"	-00°00'39"	0.003
28/08/2020 00:00:00	♃	08°32'10" ♃	05°58'16"	02°48'54"	-00°02'08"	18.007
28/08/2020 00:00:00	♃	23°55'44" ♀	05°04'11"	-04°31'44"	00°06'42"	0.003
28/08/2020 00:00:00	T♁	26°47'50" ♃	23°23'53"	00°00'00"	-00°00'39"	0.003
28/08/2020 00:00:00	T♃	01°38'41" ♀	-03°58'33"	-05°02'47"	04°08'03"	0.003
28/08/2020 00:00:00	X	24°26'06" ♀	-01°25'18"	-11°41'30"	-00°00'22"	95.315
28/08/2020 00:00:00	Y	28°38'26" ♃	08°12'25"	-11°55'24"	00°00'01"	84.335
29/08/2020 00:00:00	♃	06°07'16" ♃	09°15'54"	-00°00'00"	00°57'57"	1.010
29/08/2020 00:00:00	♃	16°42'43" ♁	-24°06'23"	-01°43'40"	13°03'32"	0.003
29/08/2020 00:00:00	♃	16°44'49" ♃	06°20'09"	01°11'55"	01°46'35"	1.354
29/08/2020 00:00:00	♀	21°07'19" ♄	19°39'35"	-02°08'38"	01°03'00"	0.832
29/08/2020 00:00:00	♂	27°07'53" ♀	06°29'20"	-04°14'32"	00°09'55"	0.508

Ephemerides year 2020

29/08/2020 00:00:00	♃	17°45'58" ♎	-22°39'36"	-00°24'22"	-00°02'50"	4.413
29/08/2020 00:00:00	♅	26°06'27" ♎	-21°12'11"	-00°16'56"	-00°02'50"	9.211
29/08/2020 00:00:00	♁	10°37'03" ♏	14°33'49"	-00°27'57"	-00°00'39"	19.332
29/08/2020 00:00:00	♆	19°55'23" ♏	-05°00'47"	-01°06'43"	-00°01'35"	28.947
29/08/2020 00:00:00	♁	22°47'37" ♎	-22°33'30"	-01°03'44"	-00°00'57"	33.368
29/08/2020 00:00:00	♁	26°46'14" ♏	23°23'50"	00°00'00"	-00°02'41"	0.003
29/08/2020 00:00:00	♃	08°30'01" ♏	05°57'26"	02°48'55"	-00°02'10"	17.998
29/08/2020 00:00:00	♁	24°02'26" ♏	05°07'01"	-04°31'18"	00°06'42"	0.003
29/08/2020 00:00:00	♁♁	26°46'14" ♏	23°23'50"	00°00'00"	-00°02'41"	0.003
29/08/2020 00:00:00	♁♃	06°16'09" ♏	-02°05'24"	-04°59'09"	05°00'23"	0.003
29/08/2020 00:00:00	X	24°25'43" ♏	-01°25'29"	-11°41'33"	-00°00'22"	95.302
29/08/2020 00:00:00	Y	28°38'27" ♏	08°12'17"	-11°55'32"	00°00'00"	84.318
30/08/2020 00:00:00	♁	07°05'14" ♏	08°54'28"	-00°00'00"	00°57'59"	1.010
30/08/2020 00:00:00	♁	29°40'09" ♎	-22°54'18"	-02°44'57"	12°51'32"	0.003
30/08/2020 00:00:00	♁	18°30'45" ♏	05°33'40"	01°06'22"	01°45'17"	1.350
30/08/2020 00:00:00	♁	22°10'28" ♏	19°34'19"	-02°04'00"	01°03'17"	0.839
30/08/2020 00:00:00	♁	27°17'25" ♏	06°32'26"	-04°14'51"	00°09'08"	0.504
30/08/2020 00:00:00	♃	17°43'13" ♎	-22°40'02"	-00°24'26"	-00°02'39"	4.424
30/08/2020 00:00:00	♅	26°03'39" ♎	-21°12'46"	-00°17'00"	-00°02'45"	9.222

Ephemerides year 2020

30/08/2020 00:00:00	♄	10°36'22" ♄	14°33'36"	-00°27'58"	-00°00'42"	19.317
30/08/2020 00:00:00	♅	19°53'47" ♄	-05°01'26"	-01°06'44"	-00°01'35"	28.944
30/08/2020 00:00:00	♆	22°46'40" ♄	-22°33'44"	-01°03'48"	-00°00'56"	33.380
30/08/2020 00:00:00	♁	26°42'14" ♄	23°23'45"	00°00'00"	-00°05'21"	0.003
30/08/2020 00:00:00	♂	08°27'49" ♄	05°56'35"	02°48'56"	-00°02'12"	17.989
30/08/2020 00:00:00	♁	24°09'08" ♄	05°09'51"	-04°30'53"	00°06'42"	0.003
30/08/2020 00:00:00	♁	26°42'14" ♄	23°23'45"	00°00'00"	-00°05'21"	0.003
30/08/2020 00:00:00	♁	11°25'34" ♄	00°01'38"	-04°52'43"	05°11'20"	0.003
30/08/2020 00:00:00	X	24°25'20" ♄	-01°25'41"	-11°41'37"	-00°00'23"	95.290
30/08/2020 00:00:00	Y	28°38'27" ♄	08°12'08"	-11°55'41"	-00°00'00"	84.301
31/08/2020 00:00:00	♁	08°03'14" ♄	08°32'54"	-00°00'00"	00°58'00"	1.009
31/08/2020 00:00:00	♁	12°26'09" ♄	-20°32'10"	-03°36'51"	12°40'35"	0.003
31/08/2020 00:00:00	♁	20°15'24" ♄	04°47'13"	01°00'31"	01°44'00"	1.345
31/08/2020 00:00:00	♁	23°13'54" ♄	19°28'33"	-01°59'23"	01°03'34"	0.847
31/08/2020 00:00:00	♁	27°26'11" ♄	06°35'18"	-04°15'06"	00°08'21"	0.500
31/08/2020 00:00:00	♁	17°40'39" ♄	-22°40'26"	-00°24'30"	-00°02'28"	4.436
31/08/2020 00:00:00	♁	26°00'56" ♄	-21°13'20"	-00°17'04"	-00°02'40"	9.233
31/08/2020 00:00:00	♄	10°35'38" ♄	14°33'22"	-00°27'59"	-00°00'45"	19.302
31/08/2020 00:00:00	♅	19°52'11" ♄	-05°02'04"	-01°06'45"	-00°01'36"	28.940

Ephemerides year 2020

31/08/2020 00:00:00	♁	22°45'45" ♁	-22°33'57"	-01°03'53"	-00°00'54"	33.393
31/08/2020 00:00:00	♁	26°35'27" ♁	23°23'34"	00°00'00"	-00°08'11"	0.003
31/08/2020 00:00:00	♁	08°25'36" ♁	05°55'43"	02°48'57"	-00°02'14"	17.981
31/08/2020 00:00:00	♁	24°15'51" ♁	05°12'41"	-04°30'27"	00°06'42"	0.003
31/08/2020 00:00:00	♁	26°35'27" ♁	23°23'34"	00°00'00"	-00°08'11"	0.003
31/08/2020 00:00:00	♁	16°25'24" ♁	02°04'57"	-04°44'04"	04°42'17"	0.003
31/08/2020 00:00:00	X	24°24'57" ♁	-01°25'52"	-11°41'40"	-00°00'23"	95.278
31/08/2020 00:00:00	Y	28°38'26" ♁	08°12'00"	-11°55'49"	-00°00'01"	84.283
01/09/2020 00:00:00	♁	09°01'15" ♁	08°11'11"	-00°00'00"	00°58'01"	1.009
01/09/2020 00:00:00	♁	25°01'34" ♁	-17°12'52"	-04°17'17"	12°30'18"	0.003
01/09/2020 00:00:00	♁	21°58'46" ♁	04°00'51"	00°54'24"	01°42'44"	1.340
01/09/2020 00:00:00	♁	24°17'36" ♁	19°22'18"	-01°54'44"	01°03'50"	0.854
01/09/2020 00:00:00	♁	27°34'09" ♁	06°37'56"	-04°15'18"	00°07'34"	0.496
01/09/2020 00:00:00	♁	17°38'16" ♁	-22°40'48"	-00°24'33"	-00°02'17"	4.448
01/09/2020 00:00:00	♁	25°58'17" ♁	-21°13'54"	-00°17'08"	-00°02'36"	9.244
01/09/2020 00:00:00	♁	10°34'52" ♁	14°33'06"	-00°28'00"	-00°00'47"	19.287
01/09/2020 00:00:00	♁	19°50'34" ♁	-05°02'43"	-01°06'46"	-00°01'36"	28.937
01/09/2020 00:00:00	♁	22°44'50" ♁	-22°34'10"	-01°03'57"	-00°00'53"	33.406
01/09/2020 00:00:00	♁	26°25'58" ♁	23°23'19"	00°00'00"	-00°10'41"	0.003

Ephemerides year 2020

01/09/2020 00:00:00	♄	08°23'21" ♏	05°54'50"	02°48'57"	-00°02'16"	17.973
01/09/2020 00:00:00	♁	24°22'33" ♏	05°15'31"	-04°30'02"	00°06'42"	0.003
01/09/2020 00:00:00	♁♁	26°25'58" ♏	23°23'19"	00°00'00"	-00°10'41"	0.003
01/09/2020 00:00:00	♁♁	20°40'29" ♏	03°49'31"	-04°34'48"	03°44'28"	0.003
01/09/2020 00:00:00	X	24°24'33" ♏	-01°26'04"	-11°41'44"	-00°00'24"	95.266
01/09/2020 00:00:00	Y	28°38'25" ♏	08°11'52"	-11°55'58"	-00°00'01"	84.266
02/09/2020 00:00:00	♁	09°59'18" ♏	07°49'21"	-00°00'00"	00°58'03"	1.009
02/09/2020 00:00:00	♁	07°26'55" ♏	-13°10'33"	-04°44'49"	12°20'28"	0.003
02/09/2020 00:00:00	♁	23°40'53" ♏	03°14'38"	00°48'02"	01°41'29"	1.334
02/09/2020 00:00:00	♁	25°21'35" ♏	19°15'34"	-01°50'06"	01°04'06"	0.862
02/09/2020 00:00:00	♁	27°41'19" ♏	06°40'20"	-04°15'27"	00°06'45"	0.492
02/09/2020 00:00:00	♁	17°36'04" ♏	-22°41'09"	-00°24'37"	-00°02'06"	4.460
02/09/2020 00:00:00	♁	25°55'44" ♏	-21°14'27"	-00°17'12"	-00°02'31"	9.255
02/09/2020 00:00:00	♁	10°34'03" ♏	14°32'50"	-00°28'01"	-00°00'50"	19.273
02/09/2020 00:00:00	♁	19°48'57" ♏	-05°03'22"	-01°06'47"	-00°01'37"	28.934
02/09/2020 00:00:00	♁	22°43'57" ♏	-22°34'23"	-01°04'01"	-00°00'52"	33.419
02/09/2020 00:00:00	♁	26°14'19" ♏	23°23'00"	00°00'00"	-00°12'27"	0.003
02/09/2020 00:00:00	♁	08°21'04" ♏	05°53'56"	02°48'58"	-00°02'17"	17.965
02/09/2020 00:00:00	♁	24°29'15" ♏	05°18'21"	-04°29'36"	00°06'42"	0.003

Ephemerides year 2020

02/09/2020 00:00:00	T♄	26°14'19" ♀	23°23'00"	00°00'00"	-00°12'27"	0.003
02/09/2020 00:00:00	T♄	23°50'53" ♀	05°07'09"	-04°26'40"	02°36'19"	0.003
02/09/2020 00:00:00	X	24°24'08" ♀	-01°26'16"	-11°41'47"	-00°00'24"	95.254
02/09/2020 00:00:00	Y	28°38'23" ♂	08°11'43"	-11°56'06"	-00°00'02"	84.249
03/09/2020 00:00:00	♁	10°57'23" ♃	07°27'23"	-00°00'00"	00°58'05"	1.009
03/09/2020 00:00:00	♂	19°42'41" ♃	-08°38'58"	-04°58'42"	12°11'10"	0.003
03/09/2020 00:00:00	♀	25°21'45" ♃	02°28'36"	00°41'26"	01°40'14"	1.327
03/09/2020 00:00:00	♀	26°25'48" ♃	19°08'19"	-01°45'27"	01°04'21"	0.870
03/09/2020 00:00:00	♂	27°47'40" ♀	06°42'31"	-04°15'31"	00°05'56"	0.488
03/09/2020 00:00:00	♃	17°34'03" ♃	-22°41'29"	-00°24'40"	-00°01'55"	4.472
03/09/2020 00:00:00	♃	25°53'15" ♃	-21°14'58"	-00°17'15"	-00°02'26"	9.267
03/09/2020 00:00:00	♃	10°33'10" ♂	14°32'33"	-00°28'02"	-00°00'53"	19.258
03/09/2020 00:00:00	♃	19°47'20" ♃	-05°04'02"	-01°06'48"	-00°01'37"	28.932
03/09/2020 00:00:00	♃	22°43'06" ♃	-22°34'36"	-01°04'05"	-00°00'50"	33.432
03/09/2020 00:00:00	♁	26°01'23" ♀	23°22'37"	00°00'00"	-00°13'11"	0.003
03/09/2020 00:00:00	♃	08°18'45" ♀	05°53'02"	02°48'58"	-00°02'19"	17.957
03/09/2020 00:00:00	♃	24°35'58" ♀	05°21'11"	-04°29'10"	00°06'42"	0.003
03/09/2020 00:00:00	T♄	26°01'23" ♀	23°22'37"	00°00'00"	-00°13'11"	0.003
03/09/2020 00:00:00	T♄	25°56'12" ♀	05°58'03"	-04°20'39"	01°37'10"	0.003

Ephemerides year 2020

03/09/2020 00:00:00	X	24°23'43" ♀	-01°26'27"	-11°41'50"	-00°00'25"	95.242
03/09/2020 00:00:00	Y	28°38'20" ♂	08°11'34"	-11°56'14"	-00°00'03"	84.232
04/09/2020 00:00:00	☉	11°55'29" ♉	07°05'18"	-00°00'00"	00°58'06"	1.008
04/09/2020 00:00:00	☾	01°49'32" ♀	-03°50'38"	-04°58'52"	12°02'43"	0.003
04/09/2020 00:00:00	♁	27°01'23" ♉	01°42'48"	00°34'39"	01°39'01"	1.321
04/09/2020 00:00:00	♂	27°30'18" ♊	19°00'34"	-01°40'49"	01°04'36"	0.877
04/09/2020 00:00:00	♂	27°53'11" ♀	06°44'27"	-04°15'32"	00°05'06"	0.484
04/09/2020 00:00:00	♃	17°32'14" ♎	-22°41'46"	-00°24'44"	-00°01'43"	4.484
04/09/2020 00:00:00	♄	25°50'50" ♎	-21°15'29"	-00°17'19"	-00°02'21"	9.279
04/09/2020 00:00:00	♅	10°32'15" ♂	14°32'15"	-00°28'02"	-00°00'56"	19.244
04/09/2020 00:00:00	♆	19°45'42" ♋	-05°04'41"	-01°06'49"	-00°01'38"	28.930
04/09/2020 00:00:00	♇	22°42'16" ♎	-22°34'49"	-01°04'09"	-00°00'49"	33.446
04/09/2020 00:00:00	♈	25°48'18" ♉	23°22'13"	00°00'00"	-00°12'47"	0.003
04/09/2020 00:00:00	♁	08°16'25" ♀	05°52'06"	02°48'58"	-00°02'21"	17.950
04/09/2020 00:00:00	♁	24°42'40" ♀	05°24'01"	-04°28'44"	00°06'42"	0.003
04/09/2020 00:00:00	T♁	25°48'18" ♉	23°22'13"	00°00'00"	-00°12'47"	0.003
04/09/2020 00:00:00	T♁	27°12'25" ♀	06°28'57"	-04°16'40"	00°59'12"	0.003
04/09/2020 00:00:00	X	24°23'17" ♀	-01°26'39"	-11°41'53"	-00°00'25"	95.231
04/09/2020 00:00:00	Y	28°38'16" ♂	08°11'26"	-11°56'23"	-00°00'03"	84.215



Ephemerides year 2020

05/09/2020 00:00:00	☉	12°53'36" ♍	06°43'06"	-00°00'00"	00°58'08"	1.008
05/09/2020 00:00:00	☾	13°48'37" ♏	01°03'23"	-04°45'45"	11°55'44"	0.003
05/09/2020 00:00:00	♀	28°39'49" ♍	00°57'16"	00°27'40"	01°37'49"	1.314
05/09/2020 00:00:00	♀	28°35'02" ♎	18°52'20"	-01°36'10"	01°04'51"	0.885
05/09/2020 00:00:00	♂	27°57'53" ♏	06°46'09"	-04°15'29"	00°04'16"	0.480
05/09/2020 00:00:00	♋	17°30'36" ♎	-22°42'02"	-00°24'47"	-00°01'32"	4.497
05/09/2020 00:00:00	♌	25°48'31" ♎	-21°15'58"	-00°17'23"	-00°02'16"	9.291
05/09/2020 00:00:00	♍	10°31'18" ♎	14°31'56"	-00°28'03"	-00°00'59"	19.229
05/09/2020 00:00:00	♎	19°44'03" ♏	-05°05'20"	-01°06'49"	-00°01'38"	28.928
05/09/2020 00:00:00	♏	22°41'27" ♎	-22°35'01"	-01°04'13"	-00°00'48"	33.460
05/09/2020 00:00:00	♐	25°36'10" ♏	23°21'50"	00°00'00"	-00°11'19"	0.003
05/09/2020 00:00:00	♑	08°14'03" ♏	05°51'10"	02°48'58"	-00°02'22"	17.943
05/09/2020 00:00:00	♒	24°49'22" ♏	05°26'51"	-04°28'18"	00°06'42"	0.003
05/09/2020 00:00:00	♓	25°36'10" ♏	23°21'50"	00°00'00"	-00°11'19"	0.003
05/09/2020 00:00:00	♈	28°01'58" ♏	06°48'57"	-04°14'01"	00°42'59"	0.003
05/09/2020 00:00:00	♉	24°22'51" ♏	-01°26'51"	-11°41'56"	-00°00'26"	95.220
05/09/2020 00:00:00	♊	28°38'12" ♎	08°11'17"	-11°56'31"	-00°00'04"	84.199
06/09/2020 00:00:00	☉	13°51'46" ♍	06°20'47"	-00°00'00"	00°58'10"	1.008
06/09/2020 00:00:00	☾	25°41'45" ♏	05°53'13"	-04°20'16"	11°50'58"	0.003

Ephemerides year 2020

06/09/2020 00:00:00	♀	00°17'02" ♈	00°12'03"	00°20'31"	01°36'38"	1.306
06/09/2020 00:00:00	♀	29°40'01" ♉	18°43'35"	-01°31'32"	01°05'06"	0.892
06/09/2020 00:00:00	♂	28°01'44" ♊	06°47'38"	-04°15'21"	00°03'25"	0.477
06/09/2020 00:00:00	♈	17°29'09" ♋	-22°42'17"	-00°24'51"	-00°01'21"	4.510
06/09/2020 00:00:00	♉	25°46'17" ♋	-21°16'27"	-00°17'27"	-00°02'11"	9.303
06/09/2020 00:00:00	♊	10°30'17" ♌	14°31'37"	-00°28'04"	-00°01'01"	19.215
06/09/2020 00:00:00	♋	19°42'25" ♌	-05°06'00"	-01°06'50"	-00°01'38"	28.926
06/09/2020 00:00:00	♌	22°40'39" ♋	-22°35'13"	-01°04'17"	-00°00'46"	33.474
06/09/2020 00:00:00	♍	25°25'55" ♌	23°21'29"	00°00'00"	-00°09'03"	0.003
06/09/2020 00:00:00	♎	08°11'39" ♌	05°50'13"	02°48'58"	-00°02'24"	17.936
06/09/2020 00:00:00	♏	24°56'04" ♌	05°29'41"	-04°27'51"	00°06'42"	0.003
06/09/2020 00:00:00	T♍	25°25'55" ♌	23°21'29"	00°00'00"	-00°09'03"	0.003
06/09/2020 00:00:00	T♎	28°42'52" ♌	07°05'17"	-04°11'56"	00°40'02"	0.003
06/09/2020 00:00:00	X	24°22'25" ♌	-01°27'04"	-11°41'59"	-00°00'26"	95.209
06/09/2020 00:00:00	Y	28°38'07" ♌	08°11'07"	-11°56'39"	-00°00'05"	84.182
07/09/2020 00:00:00	♌	14°49'58" ♍	05°58'22"	-00°00'00"	00°58'12"	1.008
07/09/2020 00:00:00	♍	07°31'35" ♌	10°29'35"	-03°43'37"	11°49'15"	0.003
07/09/2020 00:00:00	♀	01°53'05" ♈	-00°32'49"	00°13'13"	01°35'27"	1.298
07/09/2020 00:00:00	♀	00°45'14" ♉	18°34'20"	-01°26'54"	01°05'20"	0.900

Ephemerides year 2020

07/09/2020 00:00:00	♂	28°04'43" ♏	06°48'52"	-04°15'10"	00°02'33"	0.473
07/09/2020 00:00:00	♃	17°27'53" ♏	-22°42'30"	-00°24'54"	-00°01'09"	4.522
07/09/2020 00:00:00	♅	25°44'08" ♏	-21°16'54"	-00°17'30"	-00°02'06"	9.316
07/09/2020 00:00:00	♁	10°29'14" ♏	14°31'16"	-00°28'05"	-00°01'04"	19.201
07/09/2020 00:00:00	♆	19°40'46" ♏	-05°06'39"	-01°06'51"	-00°01'38"	28.925
07/09/2020 00:00:00	♁	22°39'53" ♏	-22°35'24"	-01°04'21"	-00°00'45"	33.488
07/09/2020 00:00:00	♁	25°18'12" ♏	23°21'12"	00°00'00"	-00°06'22"	0.003
07/09/2020 00:00:00	♃	08°09'14" ♏	05°49'16"	02°48'58"	-00°02'25"	17.930
07/09/2020 00:00:00	♁	25°02'46" ♏	05°32'31"	-04°27'25"	00°06'42"	0.003
07/09/2020 00:00:00	♁	25°18'12" ♏	23°21'12"	00°00'00"	-00°06'22"	0.003
07/09/2020 00:00:00	♁	29°22'42" ♏	07°20'59"	-04°10'02"	00°39'04"	0.003
07/09/2020 00:00:00	X	24°21'58" ♏	-01°27'16"	-11°42'02"	-00°00'27"	95.198
07/09/2020 00:00:00	Y	28°38'01" ♏	08°10'58"	-11°56'47"	-00°00'06"	84.165
08/09/2020 00:00:00	♁	15°48'12" ♏	05°35'51"	-00°00'00"	00°58'14"	1.007
08/09/2020 00:00:00	♁	19°21'35" ♏	14°43'16"	-02°57'17"	11°51'25"	0.003
08/09/2020 00:00:00	♁	03°27'57" ♏	-01°17'20"	00°05'48"	01°34'17"	1.290
08/09/2020 00:00:00	♀	01°50'42" ♏	18°24'35"	-01°22'18"	01°05'34"	0.907
08/09/2020 00:00:00	♂	28°06'51" ♏	06°49'52"	-04°14'53"	00°01'41"	0.470
08/09/2020 00:00:00	♃	17°26'49" ♏	-22°42'41"	-00°24'57"	-00°00'58"	4.535

Ephemerides year 2020

08/09/2020 00:00:00	♃	25°42'04" ♏	-21°17'21"	-00°17'34"	-00°02'01"	9.328
08/09/2020 00:00:00	♃	10°28'09" ♏	14°30'55"	-00°28'06"	-00°01'07"	19.187
08/09/2020 00:00:00	♃	19°39'07" ♏	-05°07'19"	-01°06'52"	-00°01'38"	28.924
08/09/2020 00:00:00	♃	22°39'09" ♏	-22°35'35"	-01°04'25"	-00°00'43"	33.502
08/09/2020 00:00:00	♃	25°13'11" ♏	23°21'02"	00°00'00"	-00°03'42"	0.003
08/09/2020 00:00:00	♃	08°06'48" ♏	05°48'18"	02°48'58"	-00°02'27"	17.923
08/09/2020 00:00:00	♃	25°09'28" ♏	05°35'20"	-04°26'58"	00°06'42"	0.003
08/09/2020 00:00:00	♃	25°13'11" ♏	23°21'02"	00°00'00"	-00°03'42"	0.003
08/09/2020 00:00:00	♃	29°58'33" ♏	07°34'58"	-04°08'25"	00°30'51"	0.003
08/09/2020 00:00:00	X	24°21'31" ♏	-01°27'28"	-11°42'05"	-00°00'27"	95.187
08/09/2020 00:00:00	Y	28°37'55" ♏	08°10'49"	-11°56'56"	-00°00'06"	84.148
09/09/2020 00:00:00	♃	16°46'27" ♏	05°13'15"	-00°00'00"	00°58'16"	1.007
09/09/2020 00:00:00	♃	01°15'59" ♏	18°24'23"	-02°02'52"	11°58'11"	0.003
09/09/2020 00:00:00	♃	05°01'39" ♏	-02°01'27"	-00°01'44"	01°33'07"	1.281
09/09/2020 00:00:00	♃	02°56'23" ♏	18°14'20"	-01°17'41"	01°05'48"	0.915
09/09/2020 00:00:00	♃	28°08'07" ♏	06°50'38"	-04°14'33"	00°00'49"	0.466
09/09/2020 00:00:00	♃	17°25'57" ♏	-22°42'51"	-00°25'00"	-00°00'46"	4.548
09/09/2020 00:00:00	♃	25°40'06" ♏	-21°17'46"	-00°17'37"	-00°01'55"	9.341
09/09/2020 00:00:00	♃	10°27'00" ♏	14°30'33"	-00°28'06"	-00°01'09"	19.174

Ephemerides year 2020

09/09/2020 00:00:00	♁	19°37'28" ♈	-05°07'58"	-01°06'52"	-00°01'39"	28.923
09/09/2020 00:00:00	♁	22°38'26" ♈	-22°35'46"	-01°04'29"	-00°00'42"	33.517
09/09/2020 00:00:00	♁	25°10'37" ♈	23°20'56"	00°00'00"	-00°01'32"	0.003
09/09/2020 00:00:00	♁	08°04'20" ♈	05°47'19"	02°48'57"	-00°02'28"	17.917
09/09/2020 00:00:00	♁	25°16'10" ♈	05°38'10"	-04°26'31"	00°06'42"	0.003
09/09/2020 00:00:00	♁	25°10'37" ♈	23°20'56"	00°00'00"	-00°01'32"	0.003
09/09/2020 00:00:00	♁	00°20'08" ♈	07°43'17"	-04°07'31"	00°09'56"	0.003
09/09/2020 00:00:00	X	24°21'03" ♈	-01°27'40"	-11°42'08"	-00°00'27"	95.177
09/09/2020 00:00:00	Y	28°37'48" ♈	08°10'39"	-11°57'04"	-00°00'07"	84.132
10/09/2020 00:00:00	♁	17°44'45" ♈	04°50'33"	-00°00'00"	00°58'18"	1.007
10/09/2020 00:00:00	♁	13°19'40" ♈	21°22'02"	-01°02'14"	12°10'04"	0.003
10/09/2020 00:00:00	♁	06°34'12" ♈	-02°45'07"	-00°09'23"	01°31'58"	1.272
10/09/2020 00:00:00	♁	04°02'18" ♈	18°03'34"	-01°13'06"	01°06'01"	0.922
10/09/2020 00:00:00	♁	28°08'29" ♈	06°51'10"	-04°14'07"	-00°00'03"	0.463
10/09/2020 00:00:00	♁	17°25'16" ♈	-22°42'59"	-00°25'03"	-00°00'35"	4.562
10/09/2020 00:00:00	♁	25°38'13" ♈	-21°18'11"	-00°17'41"	-00°01'50"	9.354
10/09/2020 00:00:00	♁	10°25'49" ♈	14°30'10"	-00°28'07"	-00°01'12"	19.160
10/09/2020 00:00:00	♁	19°35'49" ♈	-05°08'37"	-01°06'53"	-00°01'39"	28.923
10/09/2020 00:00:00	♁	22°37'44" ♈	-22°35'57"	-01°04'33"	-00°00'40"	33.531

Ephemerides year 2020

10/09/2020 00:00:00	♁	25°09'49" ♀	23°20'54"	00°00'00"	-00°00'13"	0.003
10/09/2020 00:00:00	♂	08°01'51" ♀	05°46'19"	02°48'56"	-00°02'29"	17.912
10/09/2020 00:00:00	♁	25°22'53" ♀	05°41'00"	-04°26'04"	00°06'42"	0.003
10/09/2020 00:00:00	♁	25°09'49" ♀	23°20'54"	00°00'00"	-00°00'13"	0.003
10/09/2020 00:00:00	♁	00°13'36" ♀	07°40'36"	-04°07'59"	-00°25'19"	0.003
10/09/2020 00:00:00	X	24°20'35" ♀	-01°27'53"	-11°42'10"	-00°00'28"	95.167
10/09/2020 00:00:00	Y	28°37'40" ♀	08°10'30"	-11°57'12"	-00°00'08"	84.115
11/09/2020 00:00:00	♁	18°43'05" ♀	04°27'45"	-00°00'00"	00°58'20"	1.007
11/09/2020 00:00:00	♁	25°37'54" ♀	23°24'22"	00°02'28"	12°27'16"	0.003
11/09/2020 00:00:00	♁	08°05'36" ♀	-03°28'20"	-00°17'07"	01°30'48"	1.262
11/09/2020 00:00:00	♁	05°08'26" ♀	17°52'19"	-01°08'32"	01°06'14"	0.930
11/09/2020 00:00:00	♁	28°07'59" ♀	06°51'28"	-04°13'37"	-00°00'56"	0.460
11/09/2020 00:00:00	♁	17°24'47" ♀	-22°43'06"	-00°25'06"	-00°00'23"	4.575
11/09/2020 00:00:00	♁	25°36'25" ♀	-21°18'34"	-00°17'45"	-00°01'45"	9.367
11/09/2020 00:00:00	♁	10°24'36" ♀	14°29'46"	-00°28'08"	-00°01'14"	19.147
11/09/2020 00:00:00	♁	19°34'10" ♀	-05°09'17"	-01°06'54"	-00°01'39"	28.922
11/09/2020 00:00:00	♁	22°37'04" ♀	-22°36'08"	-01°04'37"	-00°00'39"	33.546
11/09/2020 00:00:00	♁	25°09'48" ♀	23°20'54"	00°00'00"	-00°00'00"	0.003
11/09/2020 00:00:00	♁	07°59'21" ♀	05°45'19"	02°48'55"	-00°02'30"	17.906

Ephemerides year 2020









11/09/2020 00:00:00	☾	25°29'35" ♀	05°43'50"	-04°25'37"	00°06'42"	0.003	
11/09/2020 00:00:00	♁	25°09'48" ♀	23°20'54"		00°00'00"	-00°00'00"	0.003
11/09/2020 00:00:00	♁	29°25'36" ♀	07°21'42"	-04°10'21"	-01°12'06"	0.003	
11/09/2020 00:00:00	X	24°20'07" ♀	-01°28'05"	-11°42'12"	-00°00'28"	95.157	
11/09/2020 00:00:00	Y	28°37'32" ♂	08°10'20"	-11°57'20"	-00°00'08"	84.099	
12/09/2020 00:00:00	☉	19°41'27" ♀	04°04'54"	-00°00'00"	00°58'23"	1.006	
12/09/2020 00:00:00	☾	08°15'56" ♂	24°19'22"	01°08'45"	12°49'35"	0.003	
12/09/2020 00:00:00	♁	09°35'50" ♀	-04°11'02"	-00°24'55"	01°29'39"	1.253	
12/09/2020 00:00:00	♀	06°14'46" ♂	17°40'34"	-01°03'59"	01°06'27"	0.937	
12/09/2020 00:00:00	♂	28°06'36" ♀	06°51'32"	-04°13'01"	-00°01'50"	0.456	
12/09/2020 00:00:00	♃	17°24'29" ♂	-22°43'11"	-00°25'09"	-00°00'11"	4.589	
12/09/2020 00:00:00	♄	25°34'42" ♂	-21°18'56"	-00°17'48"	-00°01'39"	9.380	
12/09/2020 00:00:00	♅	10°23'20" ♂	14°29'22"	-00°28'08"	-00°01'17"	19.134	
12/09/2020 00:00:00	♆	19°32'31" ♀	-05°09'56"	-01°06'54"	-00°01'39"	28.923	
12/09/2020 00:00:00	♇	22°36'26" ♂	-22°36'18"	-01°04'41"	-00°00'37"	33.561	
12/09/2020 00:00:00	♁	25°09'24" ♀	23°20'53"	00°00'00"	-00°00'57"	0.003	
12/09/2020 00:00:00	♂	07°56'49" ♀	05°44'18"	02°48'54"	-00°02'32"	17.901	
12/09/2020 00:00:00	☾	25°36'17" ♀	05°46'40"	-04°25'10"	00°06'42"	0.003	
12/09/2020 00:00:00	♁	25°09'24" ♀	23°20'53"		00°00'00"	-00°00'57"	0.003

Ephemerides year 2020

12/09/2020 00:00:00	T♄	27°48'12" ♏	06°43'21"	-04°14'50"	-02°02'14"	0.003
12/09/2020 00:00:00	X	24°19'38" ♏	-01°28'17"	-11°42'15"	-00°00'28"	95.148
12/09/2020 00:00:00	Y	28°37'23" ♏	08°10'11"	-11°57'28"	-00°00'09"	84.083
13/09/2020 00:00:00	☉	20°39'51" ♍	03°41'57"	00°00'00"	00°58'25"	1.006
13/09/2020 00:00:00	☾	21°18'30" ♎	23°56'50" ♁	02°13'31"	13°16'08"	0.003
13/09/2020 00:00:00	♀	11°04'55" ♎	-04°53'14"	-00°32'46"	01°28'30"	1.242
13/09/2020 00:00:00	♀	07°21'20" ♏	17°28'19"	-00°59'28"	01°06'39"	0.944
13/09/2020 00:00:00	♂	28°04'19" ♏	06°51'22"	-04°12'20"	-00°02'43"	0.453
13/09/2020 00:00:00	♃	17°24'23" ♏	-22°43'15"	-00°25'12"	-00°00'00"	4.602
13/09/2020 00:00:00	♅	25°33'05" ♏	-21°19'17"	-00°17'52"	-00°01'34"	9.394
13/09/2020 00:00:00	♁	10°22'01" ♏	14°28'57"	-00°28'09"	-00°01'19"	19.121
13/09/2020 00:00:00	♃	19°30'52" ♏	-05°10'36"	-01°06'55"	-00°01'39"	28.923
13/09/2020 00:00:00	♁	22°35'49" ♏	-22°36'28"	-01°04'45"	-00°00'36"	33.576
13/09/2020 00:00:00	♁	25°07'33" ♏	23°20'49"	00°00'00"	-00°02'54"	0.003
13/09/2020 00:00:00	♁	07°54'17" ♏	05°43'17"	02°48'53"	-00°02'33"	17.896
13/09/2020 00:00:00	♁	25°42'59" ♏	05°49'30"	-04°24'43"	00°06'42"	0.003
13/09/2020 00:00:00	T♁	25°07'33" ♏	23°20'49"	00°00'00"	-00°02'54"	0.003
13/09/2020 00:00:00	T♄	25°24'20" ♏	05°46'19"	-04°20'57"	-02°42'39"	0.003
13/09/2020 00:00:00	X	24°19'09" ♏	-01°28'30"	-11°42'17"	-00°00'29"	95.138



Ephemerides year 2020

13/09/2020 00:00:00	Y	28°37'13" 	08°10'01"	-11°57'36"	-00°00'10"	84.066
14/09/2020 00:00:00		21°38'17" 	03°18'57"	00°00'00"	00°58'27"	1.006
14/09/2020 00:00:00		04°49'05" 	22°10'49"	03°13'04"	13°45'14"	0.003
14/09/2020 00:00:00		12°32'50" 	-05°34'52"	-00°40'40"	01°27'20"	1.232
14/09/2020 00:00:00		08°28'05" 	17°15'34"	-00°54'58"	01°06'51"	0.952
14/09/2020 00:00:00		28°01'09" 	06°50'58"	-04°11'34"	-00°03'36"	0.450
14/09/2020 00:00:00		17°24'28" 	-22°43'17"	-00°25'15"	00°00'11"	4.616
14/09/2020 00:00:00		25°31'34" 	-21°19'38"	-00°17'55"	-00°01'28"	9.408
14/09/2020 00:00:00		10°20'40" 	14°28'31"	-00°28'10"	-00°01'22"	19.108
14/09/2020 00:00:00		19°29'13" 	-05°11'15"	-01°06'55"	-00°01'39"	28.924
14/09/2020 00:00:00		22°35'14" 	-22°36'38"	-01°04'49"	-00°00'34"	33.592
14/09/2020 00:00:00		25°03'24" 	23°20'40"	00°00'00"	-00°05'28"	0.003
14/09/2020 00:00:00		07°51'43" 	05°42'14"	02°48'52"	-00°02'34"	17.892
14/09/2020 00:00:00		25°49'42" 	05°52'20"	-04°24'15"	00°06'42"	0.003
14/09/2020 00:00:00	T 	25°03'24" 	23°20'40"	00°00'00"	-00°05'28"	0.003
14/09/2020 00:00:00	T 	22°30'32" 	04°36'51"	-04°27'37"	-03°00'25"	0.003
14/09/2020 00:00:00	X	24°18'40" 	-01°28'42"	-11°42'19"	-00°00'29"	95.129
14/09/2020 00:00:00	Y	28°37'02" 	08°09'51"	-11°57'44"	-00°00'10"	84.050
15/09/2020 00:00:00		22°36'45" 	02°55'53"	00°00'00"	00°58'29"	1.006

Ephemerides year 2020

15/09/2020 00:00:00	♃	18°48'59" ♏	19°01'57"	04°03'14"	14°14'20"	0.002
15/09/2020 00:00:00	♆	13°59'35" ♋	-06°15'56"	-00°48'36"	01°26'09"	1.221
15/09/2020 00:00:00	♀	09°35'02" ♏	17°02'20"	-00°50'30"	01°07'03"	0.959
15/09/2020 00:00:00	♂	27°57'06" ♏	06°50'20"	-04°10'42"	-00°04'30"	0.447
15/09/2020 00:00:00	♃	17°24'46" ♏	-22°43'18"	-00°25'18"	00°00'22"	4.630
15/09/2020 00:00:00	♃	25°30'08" ♏	-21°19'57"	-00°17'58"	-00°01'23"	9.421
15/09/2020 00:00:00	♃	10°19'16" ♏	14°28'04"	-00°28'10"	-00°01'24"	19.095
15/09/2020 00:00:00	♃	19°27'33" ♏	-05°11'54"	-01°06'55"	-00°01'39"	28.925
15/09/2020 00:00:00	♃	22°34'40" ♏	-22°36'47"	-01°04'53"	-00°00'33"	33.607
15/09/2020 00:00:00	♏	24°56'35" ♏	23°20'25"	00°00'00"	-00°08'07"	0.003
15/09/2020 00:00:00	♃	07°49'08" ♏	05°41'12"	02°48'50"	-00°02'35"	17.888
15/09/2020 00:00:00	♃	25°56'24" ♏	05°55'10"	-04°23'48"	00°06'42"	0.003
15/09/2020 00:00:00	♏	24°56'35" ♏	23°20'25"	00°00'00"	-00°08'07"	0.003
15/09/2020 00:00:00	♃	19°32'33" ♏	03°25'12"	-04°33'41"	-02°51'28"	0.003
15/09/2020 00:00:00	X	24°18'10" ♏	-01°28'54"	-11°42'21"	-00°00'30"	95.120
15/09/2020 00:00:00	Y	28°36'51" ♏	08°09'41"	-11°57'52"	-00°00'11"	84.034
16/09/2020 00:00:00	♃	23°35'16" ♏	02°32'45"	00°00'00"	00°58'31"	1.005
16/09/2020 00:00:00	♃	03°16'39" ♏	14°38'35"	04°39'36"	14°40'08"	0.002
16/09/2020 00:00:00	♆	15°25'08" ♋	-06°56'23"	-00°56'33"	01°24'57"	1.210

Ephemerides year 2020

16/09/2020 00:00:00	♀	10°42'11" ♏	16°48'37"	-00°46'03"	01°07'14"	0.966
16/09/2020 00:00:00	♂	27°52'09" ♏	06°49'29"	-04°09'45"	-00°05'22"	0.445
16/09/2020 00:00:00	♃	17°25'14" ♎	-22°43'17"	-00°25'20"	00°00'34"	4.644
16/09/2020 00:00:00	♅	25°28'48" ♎	-21°20'15"	-00°18'02"	-00°01'17"	9.435
16/09/2020 00:00:00	♁	10°17'50" ♏	14°27'36"	-00°28'11"	-00°01'27"	19.083
16/09/2020 00:00:00	♃	19°25'54" ♏	-05°12'34"	-01°06'56"	-00°01'39"	28.926
16/09/2020 00:00:00	♁	22°34'08" ♎	-22°36'56"	-01°04'56"	-00°00'31"	33.623
16/09/2020 00:00:00	♏	24°47'19" ♏	23°20'03"	00°00'00"	-00°10'16"	0.003
16/09/2020 00:00:00	♃	07°46'32" ♏	05°40'09"	02°48'48"	-00°02'36"	17.884
16/09/2020 00:00:00	♁	26°03'06" ♏	05°58'00"	-04°23'20"	00°06'42"	0.003
16/09/2020 00:00:00	♏	24°47'19" ♏	23°20'03"	00°00'00"	-00°10'16"	0.003
16/09/2020 00:00:00	♁	16°53'34" ♏	02°20'51"	-04°38'27"	-02°24'52"	0.003
16/09/2020 00:00:00	X	24°17'40" ♏	-01°29'07"	-11°42'23"	-00°00'30"	95.111
16/09/2020 00:00:00	Y	28°36'39" ♏	08°09'31"	-11°58'00"	-00°00'12"	84.019
17/09/2020 00:00:00	♁	24°33'48" ♏	02°09'34"	00°00'00"	00°58'33"	1.005
17/09/2020 00:00:00	♃	18°07'00" ♏	09°16'15"	04°58'16"	14°59'11"	0.002
17/09/2020 00:00:00	♁	16°49'29" ♏	-07°36'12"	-01°04'29"	01°23'44"	1.198
17/09/2020 00:00:00	♀	11°49'31" ♏	16°34'25"	-00°41'39"	01°07'25"	0.974
17/09/2020 00:00:00	♂	27°46'20" ♏	06°48'25"	-04°08'42"	-00°06'15"	0.442

Ephemerides year 2020

17/09/2020 00:00:00	♃	17°25'54" ♁	-22°43'14"	-00°25'23"	00°00'46"	4.658
17/09/2020 00:00:00	♅	25°27'33" ♁	-21°20'32"	-00°18'05"	-00°01'11"	9.450
17/09/2020 00:00:00	♆	10°16'21" ♁	14°27'08"	-00°28'12"	-00°01'29"	19.071
17/09/2020 00:00:00	♄	19°24'15" ♁	-05°13'13"	-01°06'56"	-00°01'38"	28.928
17/09/2020 00:00:00	♁	22°33'37" ♁	-22°37'05"	-01°05'00"	-00°00'29"	33.638
17/09/2020 00:00:00	♁	24°36'22" ♁	23°19'37"	00°00'00"	-00°11'23"	0.003
17/09/2020 00:00:00	♁	07°43'55" ♁	05°39'05"	02°48'47"	-00°02'37"	17.880
17/09/2020 00:00:00	♁	26°09'48" ♁	06°00'50"	-04°22'52"	00°06'41"	0.003
17/09/2020 00:00:00	♁	24°36'22" ♁	23°19'37"	00°00'00"	-00°11'23"	0.003
17/09/2020 00:00:00	♁	14°43'03" ♁	01°27'47"	-04°41'58"	-01°57'24"	0.003
17/09/2020 00:00:00	X	24°17'09" ♁	-01°29'19"	-11°42'25"	-00°00'30"	95.103
17/09/2020 00:00:00	Y	28°36'27" ♁	08°09'21"	-11°58'07"	-00°00'13"	84.003
18/09/2020 00:00:00	♁	25°32'22" ♁	01°46'21"	00°00'00"	00°58'35"	1.005
18/09/2020 00:00:00	♁	03°11'52" ♁	03°16'00"	04°56'42"	15°08'48"	0.002
18/09/2020 00:00:00	♁	18°12'37" ♁	-08°15'21"	-01°12'25"	01°22'29"	1.186
18/09/2020 00:00:00	♁	12°57'02" ♁	16°19'45"	-00°37'16"	01°07'36"	0.981
18/09/2020 00:00:00	♁	27°39'39" ♁	06°47'08"	-04°07'33"	-00°07'06"	0.439
18/09/2020 00:00:00	♃	17°26'46" ♁	-22°43'10"	-00°25'26"	00°00'57"	4.672
18/09/2020 00:00:00	♅	25°26'24" ♁	-21°20'48"	-00°18'08"	-00°01'06"	9.464

Ephemerides year 2020

18/09/2020 00:00:00	♃	10°14'50"	♎	14°26'39"	-00°28'12"	-00°01'32"	19.059
18/09/2020 00:00:00	♃	19°22'37"	♎	-05°13'52"	-01°06'56"	-00°01'38"	28.930
18/09/2020 00:00:00	♃	22°33'08"	♎	-22°37'14"	-01°05'04"	-00°00'28"	33.654
18/09/2020 00:00:00	♃	24°24'58"	♎	23°19'09"	00°00'00"	-00°11'11"	0.003
18/09/2020 00:00:00	♃	07°41'17"	♎	05°38'01"	02°48'45"	-00°02'38"	17.877
18/09/2020 00:00:00	♃	26°16'30"	♎	06°03'40"	-04°22'24"	00°06'41"	0.003
18/09/2020 00:00:00	♃	24°24'58"	♎	23°19'09"	00°00'00"	-00°11'11"	0.003
18/09/2020 00:00:00	♃	12°54'09"	♎	00°43'16"	-04°44'47"	-01°43'25"	0.003
18/09/2020 00:00:00	X	24°16'38"	♎	-01°29'32"	-11°42'27"	-00°00'31"	95.095
18/09/2020 00:00:00	Y	28°36'13"	♎	08°09'11"	-11°58'15"	-00°00'13"	83.987
19/09/2020 00:00:00	♃	26°30'58"	♎	01°23'06"	00°00'00"	00°58'36"	1.005
19/09/2020 00:00:00	♃	18°21'02"	♎	-02°57'42"	04°34'23"	15°07'46"	0.002
19/09/2020 00:00:00	♃	19°34'29"	♎	-08°53'48"	-01°20'19"	01°21'13"	1.174
19/09/2020 00:00:00	♃	14°04'43"	♎	16°04'36"	-00°32'56"	01°07'46"	0.988
19/09/2020 00:00:00	♃	27°32'06"	♎	06°45'38"	-04°06'17"	-00°07'57"	0.437
19/09/2020 00:00:00	♃	17°27'50"	♎	-22°43'04"	-00°25'28"	00°01'09"	4.686
19/09/2020 00:00:00	♃	25°25'21"	♎	-21°21'03"	-00°18'12"	-00°01'00"	9.478
19/09/2020 00:00:00	♃	10°13'16"	♎	14°26'09"	-00°28'13"	-00°01'34"	19.047
19/09/2020 00:00:00	♃	19°20'58"	♎	-05°14'31"	-01°06'57"	-00°01'38"	28.932

Ephemerides year 2020

19/09/2020 00:00:00	♁	22°32'40" ♏	-22°37'22"	-01°05'08"	-00°00'26"	33.670
19/09/2020 00:00:00	♁	24°14'25" ♏	23°18'42"	00°00'00"	-00°09'41"	0.003
19/09/2020 00:00:00	♁	07°38'39" ♏	05°36'56"	02°48'42"	-00°02'38"	17.874
19/09/2020 00:00:00	♁	26°23'12" ♏	06°06'30"	-04°21'56"	00°06'41"	0.003
19/09/2020 00:00:00	♁	24°14'25" ♏	23°18'42"	00°00'00"	-00°09'41"	0.003
19/09/2020 00:00:00	♁	11°09'51" ♏	00°00'19"	-04°47'31"	-01°48'02"	0.003
19/09/2020 00:00:00	X	24°16'06" ♏	-01°29'45"	-11°42'28"	-00°00'31"	95.087
19/09/2020 00:00:00	Y	28°35'59" ♏	08°09'00"	-11°58'23"	-00°00'14"	83.972
20/09/2020 00:00:00	♁	27°29'35" ♏	00°59'48"	00°00'00"	00°58'38"	1.004
20/09/2020 00:00:00	♁	03°24'08" ♏	-08°59'30"	03°53'06"	14°56'55"	0.002
20/09/2020 00:00:00	♁	20°55'03" ♏	-09°31'32"	-01°28'10"	01°19'54"	1.162
20/09/2020 00:00:00	♁	15°12'35" ♏	15°49'00"	-00°28'38"	01°07'57"	0.995
20/09/2020 00:00:00	♁	27°23'44" ♏	06°43'56"	-04°04'56"	-00°08'47"	0.435
20/09/2020 00:00:00	♁	17°29'05" ♏	-22°42'57"	-00°25'31"	00°01'20"	4.701
20/09/2020 00:00:00	♁	25°24'24" ♏	-21°21'17"	-00°18'15"	-00°00'54"	9.493
20/09/2020 00:00:00	♁	10°11'41" ♏	14°25'38"	-00°28'13"	-00°01'36"	19.036
20/09/2020 00:00:00	♁	19°19'20" ♏	-05°15'10"	-01°06'57"	-00°01'38"	28.934
20/09/2020 00:00:00	♁	22°32'14" ♏	-22°37'30"	-01°05'11"	-00°00'24"	33.687
20/09/2020 00:00:00	♁	24°05'54" ♏	23°18'19"	00°00'00"	-00°07'14"	0.003

Ephemerides year 2020

20/09/2020 00:00:00	♄	07°36'00" ♏	05°35'51"	02°48'40"	-00°02'39"	17.871
20/09/2020 00:00:00	♁	26°29'54" ♏	06°09'20"	-04°21'28"	00°06'41"	0.003
20/09/2020 00:00:00	♁♁	24°05'54" ♏	23°18'19"	00°00'00"	-00°07'14"	0.003
20/09/2020 00:00:00	♁♁	09°14'00" ♏	-00°47'38"	-04°50'33"	-02°04'27"	0.003
20/09/2020 00:00:00	X	24°15'35" ♏	-01°29'57"	-11°42'30"	-00°00'31"	95.079
20/09/2020 00:00:00	Y	28°35'45" ♏	08°08'50"	-11°58'30"	-00°00'14"	83.956
21/09/2020 00:00:00	♁	28°28'15" ♏	00°36'29"	00°00'00"	00°58'40"	1.004
21/09/2020 00:00:00	♁	18°12'24" ♏	-14°25'12"	02°56'37"	14°38'37"	0.002
21/09/2020 00:00:00	♁	22°14'16" ♏	-10°08'29"	-01°35'58"	01°18'32"	1.149
21/09/2020 00:00:00	♁	16°20'37" ♏	15°32'55"	-00°24'22"	01°08'07"	1.002
21/09/2020 00:00:00	♁	27°14'32" ♏	06°42'02"	-04°03'28"	-00°09'35"	0.432
21/09/2020 00:00:00	♁	17°30'32" ♏	-22°42'48"	-00°25'33"	00°01'32"	4.715
21/09/2020 00:00:00	♁	25°23'32" ♏	-21°21'29"	-00°18'18"	-00°00'48"	9.508
21/09/2020 00:00:00	♁	10°10'03" ♏	14°25'07"	-00°28'14"	-00°01'39"	19.024
21/09/2020 00:00:00	♁	19°17'42" ♏	-05°15'48"	-01°06'57"	-00°01'37"	28.937
21/09/2020 00:00:00	♁	22°31'50" ♏	-22°37'37"	-01°05'15"	-00°00'23"	33.703
21/09/2020 00:00:00	♁	24°00'03" ♏	23°18'03"	00°00'00"	-00°04'27"	0.003
21/09/2020 00:00:00	♁	07°33'20" ♏	05°34'45"	02°48'37"	-00°02'40"	17.868
21/09/2020 00:00:00	♁	26°36'36" ♏	06°12'10"	-04°21'00"	00°06'42"	0.003

Ephemerides year 2020

21/09/2020 00:00:00	T♄	24°00'03" ♀	23°18'03"	00°00'00"	-00°04'27"	0.003
21/09/2020 00:00:00	T♄	07°02'39" ♀	-01°42'06"	-04°53'44"	-02°15'39"	0.003
21/09/2020 00:00:00	X	24°15'03" ♀	-01°30'10"	-11°42'31"	-00°00'32"	95.072
21/09/2020 00:00:00	Y	28°35'29" ♂	08°08'39"	-11°58'38"	-00°00'15"	83.941
22/09/2020 00:00:00	☉	29°26'56" ♉	00°13'08"	-00°00'00"	00°58'42"	1.004
22/09/2020 00:00:00	☾	02°39'58" ♂	-18°53'42"	01°49'51"	14°16'01"	0.002
22/09/2020 00:00:00	☿	23°32'07" ♁	-10°44'38"	-01°43'41"	01°17'07"	1.135
22/09/2020 00:00:00	♀	17°28'49" ♋	15°16'23"	-00°20'09"	01°08'17"	1.010
22/09/2020 00:00:00	♂	27°04'32" ♀	06°39'58"	-04°01'53"	-00°10'23"	0.430
22/09/2020 00:00:00	♃	17°32'10" ♌	-22°42'38"	-00°25'35"	00°01'44"	4.730
22/09/2020 00:00:00	♅	25°22'47" ♌	-21°21'41"	-00°18'22"	-00°00'42"	9.523
22/09/2020 00:00:00	♁	10°08'22" ♂	14°24'35"	-00°28'14"	-00°01'41"	19.013
22/09/2020 00:00:00	♂	19°16'04" ♉	-05°16'27"	-01°06'57"	-00°01'37"	28.940
22/09/2020 00:00:00	♁	22°31'28" ♌	-22°37'45"	-01°05'19"	-00°00'21"	33.719
22/09/2020 00:00:00	♁	23°56'53" ♀	23°17'55"	00°00'00"	-00°01'58"	0.003
22/09/2020 00:00:00	♃	07°30'40" ♀	05°33'39"	02°48'35"	-00°02'40"	17.866
22/09/2020 00:00:00	♄	26°43'18" ♀	06°15'00"	-04°20'31"	00°06'42"	0.003
22/09/2020 00:00:00	T♄	23°56'53" ♀	23°17'55"	00°00'00"	-00°01'58"	0.003
22/09/2020 00:00:00	T♄	04°50'58" ♀	-02°36'38"	-04°56'33"	-02°02'27"	0.003



Ephemerides year 2020

22/09/2020 00:00:00	X	24°14'31" ♀	-01°30'22"	-11°42'32"	-00°00'32"	95.065
22/09/2020 00:00:00	Y	28°35'13" ♂	08°08'29"	-11°58'45"	-00°00'16"	83.926
23/09/2020 00:00:00	☉	00°25'39" ♌	-00°10'12"	-00°00'00"	00°58'43"	1.003
23/09/2020 00:00:00	☾	16°44'03" ♋	-22°08'46"	00°37'58"	13°52'08"	0.002
23/09/2020 00:00:00	♁	24°48'30" ♌	-11°19'57"	-01°51'19"	01°15'38"	1.122
23/09/2020 00:00:00	♂	18°37'11" ♋	14°59'25"	-00°15'59"	01°08'26"	1.017
23/09/2020 00:00:00	♂	26°53'46" ♀	06°37'42"	-04°00'12"	-00°11'08"	0.428
23/09/2020 00:00:00	♃	17°34'00" ♌	-22°42'26"	-00°25'38"	00°01'55"	4.745
23/09/2020 00:00:00	♄	25°22'07" ♌	-21°21'51"	-00°18'25"	-00°00'36"	9.538
23/09/2020 00:00:00	♅	10°06'40" ♂	14°24'02"	-00°28'15"	-00°01'43"	19.002
23/09/2020 00:00:00	♆	19°14'27" ♋	-05°17'05"	-01°06'57"	-00°01'36"	28.944
23/09/2020 00:00:00	♇	22°31'07" ♌	-22°37'52"	-01°05'23"	-00°00'19"	33.736
23/09/2020 00:00:00	♈	23°55'49" ♉	23°17'52"	00°00'00"	-00°00'21"	0.003
23/09/2020 00:00:00	♉	07°27'59" ♀	05°32'33"	02°48'32"	-00°02'40"	17.864
23/09/2020 00:00:00	♊	26°50'00" ♀	06°17'50"	-04°20'03"	00°06'42"	0.003
23/09/2020 00:00:00	T♈	23°55'49" ♉	23°17'52"	00°00'00"	-00°00'21"	0.003
23/09/2020 00:00:00	T♉	03°08'59" ♀	-03°18'44"	-04°58'26"	-01°16'10"	0.003
23/09/2020 00:00:00	X	24°13'58" ♀	-01°30'35"	-11°42'33"	-00°00'32"	95.058
23/09/2020 00:00:00	Y	28°34'57" ♂	08°08'18"	-11°58'52"	-00°00'16"	83.911

Ephemerides year 2020

24/09/2020 00:00:00	☉	01°24'24" ♌	-00°33'34"	-00°00'00"	00°58'45"	1.003
24/09/2020 00:00:00	☾	00°24'36" ♍	-24°00'24" ♌	-00°34'13"	13°29'17"	0.003
24/09/2020 00:00:00	♃	26°03'22" ♌	-11°54'24"	-01°58'50"	01°14'05"	1.108
24/09/2020 00:00:00	♂	19°45'43" ♏	14°41'59"	-00°11'51"	01°08'36"	1.024
24/09/2020 00:00:00	♂	26°42'15" ♏	06°35'16"	-03°58'25"	-00°11'53"	0.427
24/09/2020 00:00:00	♃	17°36'01" ♍	-22°42'12"	-00°25'40"	00°02'07"	4.759
24/09/2020 00:00:00	♃	25°21'33" ♍	-21°22'00"	-00°18'28"	-00°00'30"	9.553
24/09/2020 00:00:00	♃	10°04'55" ♏	14°23'29"	-00°28'15"	-00°01'45"	18.992
24/09/2020 00:00:00	♃	19°12'51" ♏	-05°17'43"	-01°06'57"	-00°01'36"	28.948
24/09/2020 00:00:00	♃	22°30'48" ♍	-22°37'58"	-01°05'26"	-00°00'18"	33.752
24/09/2020 00:00:00	♏	23°55'45" ♏	23°17'52"	00°00'00"	00°00'01"	0.003
24/09/2020 00:00:00	♃	07°25'18" ♏	05°31'26"	02°48'29"	-00°02'41"	17.863
24/09/2020 00:00:00	♃	26°56'42" ♏	06°20'39"	-04°19'34"	00°06'42"	0.003
24/09/2020 00:00:00	♏	23°55'45" ♏	23°17'52"	00°00'00"	00°00'01"	0.003
24/09/2020 00:00:00	♃	02°27'09" ♏	-03°35'58"	-04°59'08"	-00°04'36"	0.003
24/09/2020 00:00:00	X	24°13'26" ♏	-01°30'48"	-11°42'34"	-00°00'32"	95.051
24/09/2020 00:00:00	Y	28°34'40" ♏	08°08'08"	-11°59'00"	-00°00'17"	83.897
25/09/2020 00:00:00	☉	02°23'11" ♌	-00°56'56"	-00°00'00"	00°58'47"	1.003
25/09/2020 00:00:00	☾	13°43'27" ♍	-24°25'53" ♌	-01°42'39"	13°08'51"	0.003

Ephemerides year 2020

25/09/2020 00:00:00	♀	27°16'39" ♈	-12°27'55"	-02°06'14"	01°12'27"	1.094
25/09/2020 00:00:00	♀	20°54'24" ♏	14°24'08"	-00°07'47"	01°08'45"	1.031
25/09/2020 00:00:00	♂	26°30'00" ♏	06°32'41"	-03°56'30"	-00°12'36"	0.425
25/09/2020 00:00:00	♃	17°38'14" ♎	-22°41'57"	-00°25'42"	00°02'18"	4.774
25/09/2020 00:00:00	♃	25°21'06" ♎	-21°22'09"	-00°18'31"	-00°00'24"	9.568
25/09/2020 00:00:00	♃	10°03'09" ♎	14°22'55"	-00°28'16"	-00°01'47"	18.981
25/09/2020 00:00:00	♃	19°11'14" ♎	-05°18'20"	-01°06'57"	-00°01'35"	28.952
25/09/2020 00:00:00	♃	22°30'31" ♎	-22°38'05"	-01°05'30"	-00°00'16"	33.769
25/09/2020 00:00:00	♏	23°55'26" ♏	23°17'51"	00°00'00"	-00°00'52"	0.003
25/09/2020 00:00:00	♏	07°22'36" ♏	05°30'19"	02°48'25"	-00°02'41"	17.862
25/09/2020 00:00:00	♏	27°03'24" ♏	06°23'29"	-04°19'05"	00°06'42"	0.003
25/09/2020 00:00:00	♏	23°55'26" ♏	23°17'51"	00°00'00"	-00°00'52"	0.003
25/09/2020 00:00:00	♏	03°02'27" ♏	-03°21'26"	-04°58'34"	01°15'05"	0.003
25/09/2020 00:00:00	X	24°12'53" ♏	-01°31'00"	-11°42'35"	-00°00'33"	95.045
25/09/2020 00:00:00	Y	28°34'22" ♏	08°07'57"	-11°59'07"	-00°00'18"	83.882
26/09/2020 00:00:00	♁	03°21'59" ♈	-01°20'18"	-00°00'00"	00°58'48"	1.003
26/09/2020 00:00:00	♁	26°43'22" ♎	-23°29'31"	-02°44'03"	12°51'29"	0.003
26/09/2020 00:00:00	♀	28°28'15" ♈	-13°00'27"	-02°13'29"	01°10'43"	1.079
26/09/2020 00:00:00	♀	22°03'15" ♏	14°05'51"	-00°03'45"	01°08'55"	1.038

Ephemerides year 2020

26/09/2020 00:00:00	♂	26°17'03" ♏	06°29'56"	-03°54'29"	-00°13'17"	0.423
26/09/2020 00:00:00	♃	17°40'38" ♏	-22°41'41"	-00°25'45"	00°02'29"	4.789
26/09/2020 00:00:00	♃	25°20'44" ♏	-21°22'16"	-00°18'34"	-00°00'18"	9.583
26/09/2020 00:00:00	♃	10°01'20" ♏	14°22'21"	-00°28'16"	-00°01'49"	18.971
26/09/2020 00:00:00	♃	19°09'39" ♏	-05°18'58"	-01°06'57"	-00°01'35"	28.956
26/09/2020 00:00:00	♃	22°30'15" ♏	-22°38'11"	-01°05'34"	-00°00'14"	33.786
26/09/2020 00:00:00	♁	23°53'39" ♏	23°17'46"	00°00'00"	-00°02'51"	0.003
26/09/2020 00:00:00	♃	07°19'54" ♏	05°29'12"	02°48'22"	-00°02'42"	17.861
26/09/2020 00:00:00	♃	27°10'06" ♏	06°26'19"	-04°18'36"	00°06'42"	0.003
26/09/2020 00:00:00	♁	23°53'39" ♏	23°17'46"	00°00'00"	-00°02'51"	0.003
26/09/2020 00:00:00	♃	04°54'43" ♏	-02°35'07"	-04°56'31"	02°27'09"	0.003
26/09/2020 00:00:00	X	24°12'20" ♏	-01°31'12"	-11°42'36"	-00°00'33"	95.039
26/09/2020 00:00:00	Y	28°34'04" ♏	08°07'46"	-11°59'14"	-00°00'18"	83.868
27/09/2020 00:00:00	♁	04°20'49" ♏	-01°43'39"	-00°00'00"	00°58'50"	1.002
27/09/2020 00:00:00	♁	09°27'28" ♏	-21°21'01"	-03°35'53"	12°37'11"	0.003
27/09/2020 00:00:00	♁	29°38'03" ♏	-13°31'59"	-02°20'33"	01°08'52"	1.064
27/09/2020 00:00:00	♀	23°12'14" ♏	13°47'08"	00°00'13"	01°09'04"	1.045
27/09/2020 00:00:00	♂	26°03'26" ♏	06°27'03"	-03°52'21"	-00°13'57"	0.422
27/09/2020 00:00:00	♃	17°43'14" ♏	-22°41'23"	-00°25'47"	00°02'40"	4.804

Ephemerides year 2020

27/09/2020 00:00:00	♃	25°20'28" ♏	-21°22'22"	-00°18'37"	-00°00'13"	9.599
27/09/2020 00:00:00	♃	09°59'29" ♏	14°21'45"	-00°28'17"	-00°01'51"	18.961
27/09/2020 00:00:00	♃	19°08'04" ♏	-05°19'35"	-01°06'57"	-00°01'34"	28.960
27/09/2020 00:00:00	♃	22°30'01" ♏	-22°38'17"	-01°05'37"	-00°00'13"	33.803
27/09/2020 00:00:00	♃	23°49'28" ♏	23°17'34"	00°00'00"	-00°05'33"	0.003
27/09/2020 00:00:00	♃	07°17'12" ♏	05°28'05"	02°48'18"	-00°02'42"	17.860
27/09/2020 00:00:00	♃	27°16'48" ♏	06°29'09"	-04°18'07"	00°06'41"	0.003
27/09/2020 00:00:00	♃	23°49'28" ♏	23°17'34"	00°00'00"	-00°05'33"	0.003
27/09/2020 00:00:00	♃	07°50'53" ♏	-01°22'10"	-04°52'40"	03°21'42"	0.003
27/09/2020 00:00:00	X	24°11'46" ♏	-01°31'25"	-11°42'36"	-00°00'33"	95.033
27/09/2020 00:00:00	Y	28°33'45" ♏	08°07'36"	-11°59'21"	-00°00'19"	83.853
28/09/2020 00:00:00	♃	05°19'40" ♏	-02°07'00"	-00°00'00"	00°58'52"	1.002
28/09/2020 00:00:00	♃	21°58'38" ♏	-18°13'11"	-04°16'19"	12°25'33"	0.003
28/09/2020 00:00:00	♃	00°45'58" ♏	-14°02'26"	-02°27'26"	01°06'55"	1.049
28/09/2020 00:00:00	♃	24°21'23" ♏	13°28'01"	00°04'08"	01°09'13"	1.052
28/09/2020 00:00:00	♃	25°49'10" ♏	06°24'01"	-03°50'06"	-00°14'34"	0.420
28/09/2020 00:00:00	♃	17°46'00" ♏	-22°41'03"	-00°25'49"	00°02'51"	4.819
28/09/2020 00:00:00	♃	25°20'18" ♏	-21°22'27"	-00°18'41"	-00°00'07"	9.614
28/09/2020 00:00:00	♃	09°57'37" ♏	14°21'09"	-00°28'17"	-00°01'53"	18.952

Ephemerides year 2020

28/09/2020 00:00:00	♁	19°06'29" ♏	-05°20'12"	-01°06'57"	-00°01'34"	28.965
28/09/2020 00:00:00	♁	22°29'49" ♏	-22°38'23"	-01°05'41"	-00°00'11"	33.820
28/09/2020 00:00:00	♁	23°42'28" ♏	23°17'14"	00°00'00"	-00°08'26"	0.003
28/09/2020 00:00:00	♁	07°14'30" ♏	05°26'57"	02°48'14"	-00°02'42"	17.860
28/09/2020 00:00:00	♁	27°23'30" ♏	06°31'59"	-04°17'38"	00°06'41"	0.003
28/09/2020 00:00:00	♁	23°42'28" ♏	23°17'14"	00°00'00"	-00°08'26"	0.003
28/09/2020 00:00:00	♁	11°30'42" ♏	00°09'06"	-04°46'47"	03°54'01"	0.003
28/09/2020 00:00:00	X	24°11'12" ♏	-01°31'37"	-11°42'37"	-00°00'33"	95.028
28/09/2020 00:00:00	Y	28°33'25" ♏	08°07'25"	-11°59'28"	-00°00'19"	83.839
29/09/2020 00:00:00	♁	06°18'33" ♏	-02°30'19"	-00°00'00"	00°58'54"	1.002
29/09/2020 00:00:00	♁	04°19'18" ♏	-14°19'43"	-04°44'03"	12°16'05"	0.003
29/09/2020 00:00:00	♁	01°51'51" ♏	-14°31'46"	-02°34'06"	01°04'49"	1.034
29/09/2020 00:00:00	♁	25°30'41" ♏	13°08'29"	00°08'01"	01°09'22"	1.059
29/09/2020 00:00:00	♁	25°34'17" ♏	06°20'52"	-03°47'44"	-00°15'10"	0.419
29/09/2020 00:00:00	♁	17°48'57" ♏	-22°40'42"	-00°25'51"	00°03'03"	4.834
29/09/2020 00:00:00	♁	25°20'13" ♏	-21°22'31"	-00°18'44"	-00°00'01"	9.630
29/09/2020 00:00:00	♁	09°55'42" ♏	14°20'33"	-00°28'18"	-00°01'55"	18.942
29/09/2020 00:00:00	♁	19°04'55" ♏	-05°20'49"	-01°06'57"	-00°01'33"	28.970
29/09/2020 00:00:00	♁	22°29'39" ♏	-22°38'28"	-01°05'44"	-00°00'09"	33.837

Ephemerides year 2020

29/09/2020 00:00:00	♏	23°32'41" ♀	23°16'46"	00°00'00"	-00°11'01"	0.003
29/09/2020 00:00:00	♋	07°11'47" ♀	05°25'49"	02°48'11"	-00°02'42"	17.859
29/09/2020 00:00:00	♌	27°30'12" ♀	06°34'49"	-04°17'09"	00°06'41"	0.003
29/09/2020 00:00:00	♏	23°32'41" ♀	23°16'46"	00°00'00"	-00°11'01"	0.003
29/09/2020 00:00:00	♌	15°31'10" ♀	01°48'58"	-04°38'59"	04°03'08"	0.003
29/09/2020 00:00:00	X	24°10'39" ♀	-01°31'50"	-11°42'37"	-00°00'34"	95.023
29/09/2020 00:00:00	Y	28°33'05" ♂	08°07'14"	-11°59'35"	-00°00'20"	83.825
30/09/2020 00:00:00	♏	07°17'28" ♀	-02°53'37"	-00°00'00"	00°58'56"	1.001
30/09/2020 00:00:00	♎	16°31'22" ♀	-09°53'50"	-04°58'23"	12°08'16"	0.003
30/09/2020 00:00:00	♌	02°55'33" ♀	-14°59'53"	-02°40'32"	01°02'33"	1.018
30/09/2020 00:00:00	♌	26°40'08" ♀	12°48'33"	00°11'50"	01°09'31"	1.066
30/09/2020 00:00:00	♌	25°18'49" ♀	06°17'37"	-03°45'15"	-00°15'44"	0.418
30/09/2020 00:00:00	♌	17°52'06" ♀	-22°40'19"	-00°25'53"	00°03'13"	4.849
30/09/2020 00:00:00	♌	25°20'15" ♀	-21°22'33"	-00°18'47"	00°00'04"	9.645
30/09/2020 00:00:00	♌	09°53'45" ♂	14°19'56"	-00°28'18"	-00°01'57"	18.933
30/09/2020 00:00:00	♌	19°03'22" ♀	-05°21'25"	-01°06'57"	-00°01'33"	28.976
30/09/2020 00:00:00	♌	22°29'30" ♀	-22°38'33"	-01°05'48"	-00°00'08"	33.854
30/09/2020 00:00:00	♏	23°20'39" ♀	23°16'11"	00°00'00"	-00°12'51"	0.003
30/09/2020 00:00:00	♋	07°09'05" ♀	05°24'41"	02°48'06"	-00°02'42"	17.860

Ephemerides year 2020

30/09/2020 00:00:00	☾	27°36'54" ♀	06°37'39"	-04°16'39"	00°06'41"	0.003
30/09/2020 00:00:00	♄	23°20'39" ♀	23°16'11"	00°00'00"	-00°12'51"	0.003
30/09/2020 00:00:00	♄	19°30'10" ♀	03°27'52"	-04°29'51"	03°51'54"	0.003
30/09/2020 00:00:00	X	24°10'04" ♀	-01°32'02"	-11°42'37"	-00°00'34"	95.018
30/09/2020 00:00:00	Y	28°32'44" ♂	08°07'03"	-11°59'42"	-00°00'21"	83.812
01/10/2020 00:00:00	☉	08°16'25" ♀	-03°16'53"	-00°00'00"	00°58'57"	1.001
01/10/2020 00:00:00	☾	28°36'17" ♀	-05°07'40"	-04°59'07"	12°01'44"	0.003
01/10/2020 00:00:00	♁	03°56'54" ♀	-15°26'44"	-02°46'40"	01°00'07"	1.002
01/10/2020 00:00:00	♀	27°49'43" ♀	12°28'13"	00°15'35"	01°09'39"	1.073
01/10/2020 00:00:00	♂	25°02'49" ♀	06°14'15"	-03°42'39"	-00°16'15"	0.417
01/10/2020 00:00:00	♃	17°55'25" ♀	-22°39'55"	-00°25'55"	00°03'24"	4.864
01/10/2020 00:00:00	♅	25°20'23" ♀	-21°22'35"	-00°18'50"	00°00'10"	9.661
01/10/2020 00:00:00	♁	09°51'47" ♂	14°19'18"	-00°28'18"	-00°01'59"	18.924
01/10/2020 00:00:00	♁	19°01'49" ♀	-05°22'01"	-01°06'56"	-00°01'32"	28.982
01/10/2020 00:00:00	♁	22°29'22" ♀	-22°38'38"	-01°05'52"	-00°00'06"	33.871
01/10/2020 00:00:00	♁	23°07'18" ♀	23°15'30"	00°00'00"	-00°13'39"	0.003
01/10/2020 00:00:00	♁	07°06'22" ♀	05°23'32"	02°48'02"	-00°02'42"	17.860
01/10/2020 00:00:00	☾	27°43'36" ♀	06°40'29"	-04°16'10"	00°06'41"	0.003
01/10/2020 00:00:00	♄	23°07'18" ♀	23°15'30"	00°00'00"	-00°13'39"	0.003



Ephemerides year 2020

01/10/2020 00:00:00	T♄	23°10'35" ♀	04°58'24"	-04°20'15"	03°27'33"	0.003
01/10/2020 00:00:00	X	24°09'30" ♀	-01°32'14"	-11°42'38"	-00°00'34"	95.013
01/10/2020 00:00:00	Y	28°32'23" ♂	08°06'52"	-11°59'48"	-00°00'21"	83.798
02/10/2020 00:00:00	☉	09°15'24" ♀	-03°40'06"	-00°00'00"	00°59'00"	1.001
02/10/2020 00:00:00	☾	10°35'13" ♀	-00°12'17"	-04°46'34"	11°56'19"	0.003
02/10/2020 00:00:00	♁	04°55'44" ♀	-15°52'15"	-02°52'31"	00°57'30"	0.985
02/10/2020 00:00:00	♂	28°59'27" ♂	12°07'31"	00°19'17"	01°09'48"	1.080
02/10/2020 00:00:00	♂	24°46'18" ♀	06°10'47"	-03°39'57"	-00°16'45"	0.417
02/10/2020 00:00:00	♂	17°58'56" ♂	-22°39'29"	-00°25'57"	00°03'35"	4.879
02/10/2020 00:00:00	♃	25°20'36" ♂	-21°22'35"	-00°18'53"	00°00'16"	9.677
02/10/2020 00:00:00	♃	09°49'46" ♂	14°18'40"	-00°28'19"	-00°02'01"	18.916
02/10/2020 00:00:00	♃	19°00'17" ♀	-05°22'37"	-01°06'56"	-00°01'31"	28.988
02/10/2020 00:00:00	♃	22°29'17" ♂	-22°38'42"	-01°05'55"	-00°00'04"	33.889
02/10/2020 00:00:00	♃	22°53'45" ♀	23°14'47"	00°00'00"	-00°13'16"	0.003
02/10/2020 00:00:00	♃	07°03'40" ♀	05°22'24"	02°47'58"	-00°02'42"	17.861
02/10/2020 00:00:00	♃	27°50'18" ♀	06°43'18"	-04°15'40"	00°06'41"	0.003
02/10/2020 00:00:00	T♄	22°53'45" ♀	23°14'47"	00°00'00"	-00°13'16"	0.003
02/10/2020 00:00:00	T♄	26°24'19" ♀	06°17'10"	-04°10'56"	03°00'16"	0.003
02/10/2020 00:00:00	X	24°08'55" ♀	-01°32'27"	-11°42'38"	-00°00'34"	95.009

Ephemerides year 2020

02/10/2020 00:00:00	Y	28°32'00"	♄	08°06'41"	-11°59'55"	-00°00'22"	83.785
03/10/2020 00:00:00	☉	10°14'25"	♌	-04°03'18"	-00°00'00"	00°59'02"	1.001
03/10/2020 00:00:00	☾	22°29'21"	♋	04°42'05"	-04°21'32"	11°52'11"	0.003
03/10/2020 00:00:00	♀	05°51'50"	♍	-16°16'19"	-02°58'00"	00°54'39"	0.968
03/10/2020 00:00:00	♀	00°09'19"	♍	11°46'25"	00°22'55"	01°09'56"	1.086
03/10/2020 00:00:00	♂	24°29'20"	♋	06°07'15"	-03°37'08"	-00°17'11"	0.416
03/10/2020 00:00:00	♃	18°02'37"	♈	-22°39'01"	-00°25'59"	00°03'46"	4.894
03/10/2020 00:00:00	♅	25°20'56"	♈	-21°22'35"	-00°18'56"	00°00'22"	9.693
03/10/2020 00:00:00	♁	09°47'44"	♄	14°18'01"	-00°28'19"	-00°02'02"	18.907
03/10/2020 00:00:00	♃	18°58'46"	♋	-05°23'13"	-01°06'56"	-00°01'30"	28.994
03/10/2020 00:00:00	♁	22°29'13"	♄	-22°38'46"	-01°05'59"	-00°00'02"	33.906
03/10/2020 00:00:00	♁	22°41'07"	♋	23°14'06"	00°00'00"	-00°11'49"	0.003
03/10/2020 00:00:00	♃	07°00'57"	♋	05°21'15"	02°47'53"	-00°02'42"	17.862
03/10/2020 00:00:00	♁	27°56'59"	♋	06°46'08"	-04°15'10"	00°06'41"	0.003
03/10/2020 00:00:00	T♁	22°41'07"	♋	23°14'06"	00°00'00"	-00°11'49"	0.003
03/10/2020 00:00:00	T♃	29°13'08"	♋	07°24'58"	-04°02'15"	02°38'45"	0.003
03/10/2020 00:00:00	X	24°08'20"	♋	-01°32'39"	-11°42'37"	-00°00'34"	95.004
03/10/2020 00:00:00	Y	28°31'38"	♄	08°06'30"	-12°00'01"	-00°00'22"	83.771
04/10/2020 00:00:00	☉	11°13'29"	♌	-04°26'26"	-00°00'00"	00°59'04"	1.000

Ephemerides year 2020

04/10/2020 00:00:00	♃	04°20'08" ♄	09°25'38"	-03°45'12"	11°49'41"	0.003
04/10/2020 00:00:00	♆	06°44'58" ♃	-16°38'51"	-03°03'06"	00°51'33"	0.951
04/10/2020 00:00:00	♀	01°19'20" ♃	11°24'58"	00°26'30"	01°10'05"	1.093
04/10/2020 00:00:00	♂	24°11'55" ♄	06°03'38"	-03°34'13"	-00°17'36"	0.415
04/10/2020 00:00:00	♃	18°06'29" ♄	-22°38'32"	-00°26'01"	00°03'57"	4.910
04/10/2020 00:00:00	♃	25°21'21" ♄	-21°22'33"	-00°18'59"	00°00'28"	9.709
04/10/2020 00:00:00	♃	09°45'41" ♄	14°17'22"	-00°28'19"	-00°02'04"	18.899
04/10/2020 00:00:00	♃	18°57'15" ♃	-05°23'48"	-01°06'55"	-00°01'29"	29.001
04/10/2020 00:00:00	♃	22°29'11" ♄	-22°38'50"	-01°06'02"	-00°00'01"	33.924
04/10/2020 00:00:00	♃	22°30'22" ♃	23°13'30"	00°00'00"	-00°09'32"	0.003
04/10/2020 00:00:00	♃	06°58'15" ♄	05°20'07"	02°47'48"	-00°02'41"	17.864
04/10/2020 00:00:00	♃	28°03'41" ♄	06°48'58"	-04°14'40"	00°06'41"	0.003
04/10/2020 00:00:00	♃	22°30'22" ♃	23°13'30"	00°00'00"	-00°09'32"	0.003
04/10/2020 00:00:00	♃	01°44'44" ♄	08°24'59"	-03°54'03"	02°25'43"	0.003
04/10/2020 00:00:00	X	24°07'45" ♄	-01°32'51"	-11°42'37"	-00°00'35"	95.001
04/10/2020 00:00:00	Y	28°31'15" ♄	08°06'19"	-12°00'08"	-00°00'23"	83.758
05/10/2020 00:00:00	♃	12°12'34" ♃	-04°49'31"	-00°00'00"	00°59'06"	1.000
05/10/2020 00:00:00	♃	16°09'28" ♄	13°48'35"	-02°59'07"	11°49'25"	0.003
05/10/2020 00:00:00	♆	07°34'52" ♃	-16°59'46"	-03°07'47"	00°48'11"	0.934

Ephemerides year 2020

05/10/2020 00:00:00	♀	02°29'29" ♍	11°03'09"	00°30'00"	01°10'13"	1.100
05/10/2020 00:00:00	♂	23°54'08" ♈	05°59'59"	-03°31'11"	-00°17'58"	0.415
05/10/2020 00:00:00	♃	18°10'32" ♉	-22°38'01"	-00°26'03"	00°04'08"	4.925
05/10/2020 00:00:00	♅	25°21'53" ♋	-21°22'30"	-00°19'02"	00°00'34"	9.725
05/10/2020 00:00:00	♁	09°43'35" ♄	14°16'42"	-00°28'19"	-00°02'06"	18.891
05/10/2020 00:00:00	♆	18°55'46" ♅	-05°24'22"	-01°06'55"	-00°01'29"	29.007
05/10/2020 00:00:00	♁	22°29'11" ♉	-22°38'53"	-01°06'06"	00°00'00"	33.941
05/10/2020 00:00:00	♁	22°22'11" ♈	23°13'02"	00°00'00"	-00°06'47"	0.003
05/10/2020 00:00:00	♁	06°55'33" ♈	05°18'58"	02°47'43"	-00°02'41"	17.866
05/10/2020 00:00:00	♁	28°10'23" ♈	06°51'48"	-04°14'10"	00°06'41"	0.003
05/10/2020 00:00:00	♁	22°22'11" ♈	23°13'02"	00°00'00"	-00°06'47"	0.003
05/10/2020 00:00:00	♁	04°06'12" ♄	09°20'08"	-03°46'08"	02°17'28"	0.003
05/10/2020 00:00:00	X	24°07'10" ♈	-01°33'03"	-11°42'37"	-00°00'35"	94.997
05/10/2020 00:00:00	Y	28°30'51" ♄	08°06'08"	-12°00'14"	-00°00'23"	83.746
06/10/2020 00:00:00	♁	13°11'41" ♄	-05°12'33"	-00°00'00"	00°59'08"	1.000
06/10/2020 00:00:00	♁	27°59'57" ♄	17°40'49"	-02°05'04"	11°52'04"	0.003
06/10/2020 00:00:00	♁	08°21'15" ♍	-17°18'55"	-03°11'58"	00°44'30"	0.917
06/10/2020 00:00:00	♀	03°39'47" ♍	10°40'59"	00°33'27"	01°10'21"	1.107
06/10/2020 00:00:00	♂	23°36'00" ♈	05°56'16"	-03°28'03"	-00°18'17"	0.415

Ephemerides year 2020

06/10/2020 00:00:00	♃	18°14'45" ♍	-22°37'29"	-00°26'05"	00°04'18"	4.940
06/10/2020 00:00:00	♃	25°22'30" ♍	-21°22'26"	-00°19'05"	00°00'40"	9.741
06/10/2020 00:00:00	♃	09°41'28" ♏	14°16'02"	-00°28'20"	-00°02'07"	18.884
06/10/2020 00:00:00	♃	18°54'17" ♏	-05°24'57"	-01°06'55"	-00°01'28"	29.015
06/10/2020 00:00:00	♃	22°29'13" ♍	-22°38'57"	-01°06'09"	00°00'02"	33.959
06/10/2020 00:00:00	♁	22°16'48" ♏	23°12'43"	00°00'00"	-00°04'00"	0.003
06/10/2020 00:00:00	♃	06°52'52" ♏	05°17'49"	02°47'38"	-00°02'41"	17.868
06/10/2020 00:00:00	♁	28°17'05" ♏	06°54'37"	-04°13'40"	00°06'41"	0.003
06/10/2020 00:00:00	♁	22°16'48" ♏	23°12'43"	00°00'00"	-00°04'00"	0.003
06/10/2020 00:00:00	♁	06°19'01" ♏	10°11'05"	-03°38'26"	02°07'14"	0.003
06/10/2020 00:00:00	X	24°06'35" ♏	-01°33'15"	-11°42'36"	-00°00'35"	94.994
06/10/2020 00:00:00	Y	28°30'27" ♏	08°05'57"	-12°00'20"	-00°00'24"	83.733
07/10/2020 00:00:00	♁	14°10'51" ♏	-05°35'31"	-00°00'00"	00°59'10"	0.999
07/10/2020 00:00:00	♁	09°54'51" ♏	20°51'43"	-01°05'04"	11°58'24"	0.003
07/10/2020 00:00:00	♁	09°03'47" ♏	-17°36'11"	-03°15'37"	00°40'29"	0.899
07/10/2020 00:00:00	♀	04°50'12" ♏	10°18'28"	00°36'49"	01°10'29"	1.114
07/10/2020 00:00:00	♂	23°17'34" ♏	05°52'32"	-03°24'48"	-00°18'33"	0.415
07/10/2020 00:00:00	♃	18°19'09" ♍	-22°36'55"	-00°26'07"	00°04'29"	4.956
07/10/2020 00:00:00	♃	25°23'14" ♍	-21°22'21"	-00°19'07"	00°00'46"	9.758

Ephemerides year 2020

07/10/2020 00:00:00	♃	09°39'20"	♎	14°15'21"	-00°28'20"	-00°02'09"	18.876
07/10/2020 00:00:00	♃	18°52'49"	♎	-05°25'31"	-01°06'54"	-00°01'27"	29.022
07/10/2020 00:00:00	♃	22°29'17"	♎	-22°38'59"	-01°06'13"	00°00'04"	33.976
07/10/2020 00:00:00	♎	22°14'02"	♎	23°12'33"	00°00'00"	-00°01'37"	0.003
07/10/2020 00:00:00	♃	06°50'11"	♎	05°16'41"	02°47'33"	-00°02'40"	17.870
07/10/2020 00:00:00	♃	28°23'47"	♎	06°57'27"	-04°13'09"	00°06'41"	0.003
07/10/2020 00:00:00	♎	22°14'02"	♎	23°12'33"	00°00'00"	-00°01'37"	0.003
07/10/2020 00:00:00	♃	08°17'52"	♎	10°55'58"	-03°31'21"	01°48'37"	0.003
07/10/2020 00:00:00	X	24°06'00"	♎	-01°33'27"	-11°42'36"	-00°00'35"	94.991
07/10/2020 00:00:00	Y	28°30'02"	♎	08°05'46"	-12°00'26"	-00°00'25"	83.721
08/10/2020 00:00:00	♃	15°10'03"	♎	-05°58'24"	-00°00'00"	00°59'13"	0.999
08/10/2020 00:00:00	♃	21°58'14"	♎	23°10'17"	-00°01'20"	12°09'06"	0.003
08/10/2020 00:00:00	♃	09°42'07"	♎	-17°51'25"	-03°18'39"	00°36'06"	0.882
08/10/2020 00:00:00	♃	06°00'45"	♎	09°55'38"	00°40'08"	01°10'36"	1.120
08/10/2020 00:00:00	♃	22°58'52"	♎	05°48'46"	-03°21'28"	-00°18'47"	0.415
08/10/2020 00:00:00	♃	18°23'44"	♎	-22°36'20"	-00°26'09"	00°04'39"	4.971
08/10/2020 00:00:00	♃	25°24'03"	♎	-21°22'15"	-00°19'10"	00°00'52"	9.774
08/10/2020 00:00:00	♃	09°37'10"	♎	14°14'40"	-00°28'20"	-00°02'10"	18.869
08/10/2020 00:00:00	♃	18°51'23"	♎	-05°26'04"	-01°06'54"	-00°01'26"	29.030

Ephemerides year 2020

08/10/2020 00:00:00	♁	22°29'22" ♁	-22°39'02"	-01°06'16"	00°00'06"	33.994
08/10/2020 00:00:00	♁	22°13'18" ♁	23°12'31"	00°00'00"	-00°00'01"	0.003
08/10/2020 00:00:00	♁	06°47'30" ♁	05°15'32"	02°47'27"	-00°02'40"	17.873
08/10/2020 00:00:00	♁	28°30'29" ♁	07°00'17"	-04°12'39"	00°06'41"	0.003
08/10/2020 00:00:00	♁	22°13'18" ♁	23°12'31"	00°00'00"	-00°00'01"	0.003
08/10/2020 00:00:00	♁	09°52'04" ♁	11°31'00"	-03°25'37"	01°17'26"	0.003
08/10/2020 00:00:00	X	24°05'25" ♁	-01°33'39"	-11°42'35"	-00°00'35"	94.988
08/10/2020 00:00:00	Y	28°29'37" ♁	08°05'35"	-12°00'32"	-00°00'25"	83.708
09/10/2020 00:00:00	♁	16°09'18" ♁	-06°21'13"	-00°00'00"	00°59'15"	0.999
09/10/2020 00:00:00	♁	04°14'42" ♁	24°25'47"	01°03'41"	12°24'38"	0.003
09/10/2020 00:00:00	♁	10°15'52" ♁	-18°04'27"	-03°21'01"	00°31'19"	0.864
09/10/2020 00:00:00	♁	07°11'26" ♁	09°32'28"	00°43'22"	01°10'44"	1.127
09/10/2020 00:00:00	♁	22°39'59" ♁	05°45'01"	-03°18'03"	-00°18'58"	0.415
09/10/2020 00:00:00	♁	18°28'29" ♁	-22°35'43"	-00°26'11"	00°04'50"	4.986
09/10/2020 00:00:00	♁	25°24'59" ♁	-21°22'07"	-00°19'13"	00°00'58"	9.790
09/10/2020 00:00:00	♁	09°34'59" ♁	14°13'58"	-00°28'20"	-00°02'12"	18.863
09/10/2020 00:00:00	♁	18°49'57" ♁	-05°26'37"	-01°06'53"	-00°01'25"	29.038
09/10/2020 00:00:00	♁	22°29'29" ♁	-22°39'04"	-01°06'20"	00°00'07"	34.012
09/10/2020 00:00:00	♁	22°13'39" ♁	23°12'32"	00°00'00"	00°00'33"	0.003

Ephemerides year 2020

09/10/2020 00:00:00	♄	06°44'50" ♏	05°14'24"	02°47'22"	-00°02'39"	17.876
09/10/2020 00:00:00	♁	28°37'11" ♏	07°03'06"	-04°12'08"	00°06'41"	0.003
09/10/2020 00:00:00	♁♁	22°13'39" ♏	23°12'32"	00°00'00"	00°00'33"	0.003
09/10/2020 00:00:00	♁♁	10°48'07" ♏	11°51'36"	-03°22'10"	00°32'25"	0.003
09/10/2020 00:00:00	X	24°04'49" ♏	-01°33'51"	-11°42'34"	-00°00'35"	94.986
09/10/2020 00:00:00	Y	28°29'11" ♏	08°05'24"	-12°00'38"	-00°00'26"	83.696
10/10/2020 00:00:00	♁	17°08'35" ♏	-06°43'57"	-00°00'00"	00°59'17"	0.999
10/10/2020 00:00:00	♁	16°49'12" ♏	24°28'58" o	02°07'16"	12°45'10"	0.003
10/10/2020 00:00:00	♁	10°44'37" ♏	-18°15'06"	-03°22'38"	00°26'05"	0.846
10/10/2020 00:00:00	♁	08°22'14" ♏	09°08'59"	00°46'32"	01°10'52"	1.134
10/10/2020 00:00:00	♁	22°20'57" ♏	05°41'15"	-03°14'32"	-00°19'06"	0.416
10/10/2020 00:00:00	♁	18°33'24" ♏	-22°35'04"	-00°26'13"	00°05'00"	5.002
10/10/2020 00:00:00	♁	25°26'00" ♏	-21°21'59"	-00°19'16"	00°01'04"	9.807
10/10/2020 00:00:00	♁	09°32'46" ♏	14°13'16"	-00°28'20"	-00°02'13"	18.856
10/10/2020 00:00:00	♁	18°48'32" ♏	-05°27'10"	-01°06'53"	-00°01'24"	29.046
10/10/2020 00:00:00	♁	22°29'38" ♏	-22°39'06"	-01°06'23"	00°00'09"	34.029
10/10/2020 00:00:00	♁	22°14'03" ♏	23°12'33"	00°00'00"	00°00'02"	0.003
10/10/2020 00:00:00	♁	06°42'11" ♏	05°13'15"	02°47'16"	-00°02'39"	17.879
10/10/2020 00:00:00	♁	28°43'52" ♏	07°05'56"	-04°11'37"	00°06'41"	0.003



Ephemerides year 2020

10/10/2020 00:00:00	T♄	22°14'03" ♀	23°12'33"	00°00'00"	00°00'02"	0.003
10/10/2020 00:00:00	T♄	10°53'08" ♂	11°53'22"	-03°21'57"	-00°23'46"	0.003
10/10/2020 00:00:00	X	24°04'14" ♀	-01°34'03"	-11°42'33"	-00°00'35"	94.984
10/10/2020 00:00:00	Y	28°28'45" ♂	08°05'13"	-12°00'44"	-00°00'26"	83.685
11/10/2020 00:00:00	☉	18°07'54" ♀	-07°06'36"	00°00'00"	00°59'20"	0.998
11/10/2020 00:00:00	☾	29°46'36" ♀	23°13'46"	03°06'17"	13°10'19"	0.003
11/10/2020 00:00:00	♁	11°07'55" ♀	-18°23'11"	-03°23'24"	00°20'24"	0.829
11/10/2020 00:00:00	♂	09°33'10" ♀	08°45'12"	00°49'38"	01°10'59"	1.140
11/10/2020 00:00:00	♂	22°01'48" ♀	05°37'32"	-03°10'55"	-00°19'11"	0.416
11/10/2020 00:00:00	♂	18°38'30" ♀	-22°34'24"	-00°26'14"	00°05'10"	5.017
11/10/2020 00:00:00	♂	25°27'07" ♀	-21°21'49"	-00°19'19"	00°01'10"	9.823
11/10/2020 00:00:00	♂	09°30'32" ♂	14°12'34"	-00°28'20"	-00°02'14"	18.850
11/10/2020 00:00:00	♂	18°47'08" ♀	-05°27'42"	-01°06'52"	-00°01'23"	29.054
11/10/2020 00:00:00	♂	22°29'48" ♀	-22°39'08"	-01°06'27"	00°00'11"	34.047
11/10/2020 00:00:00	♂	22°13'24" ♀	23°12'31"	00°00'00"	-00°01'28"	0.003
11/10/2020 00:00:00	♂	06°39'32" ♀	05°12'07"	02°47'10"	-00°02'38"	17.883
11/10/2020 00:00:00	♂	28°50'34" ♀	07°08'46"	-04°11'07"	00°06'41"	0.003
11/10/2020 00:00:00	T♄	22°13'24" ♀	23°12'31"	00°00'00"	-00°01'28"	0.003
11/10/2020 00:00:00	T♄	09°59'25" ♂	11°33'30"	-03°25'24"	-01°23'13"	0.003

Ephemerides year 2020

11/10/2020 00:00:00	X	24°03'38"	-01°34'14"	-11°42'32"	-00°00'35"	94.982
11/10/2020 00:00:00	Y	28°28'18"	08°05'02"	-12°00'49"	-00°00'27"	83.673
12/10/2020 00:00:00		19°07'15"	-07°29'09"	00°00'00"	00°59'22"	0.998
12/10/2020 00:00:00		13°11'01"	20°38'45"	03°57'13"	13°38'57"	0.003
12/10/2020 00:00:00		11°25'16"	-18°28'29"	-03°23'13"	00°14'13"	0.811
12/10/2020 00:00:00		10°44'13"	08°21'07"	00°52'40"	01°11'06"	1.147
12/10/2020 00:00:00		21°42'35"	05°33'50"	-03°07'14"	-00°19'12"	0.417
12/10/2020 00:00:00		18°43'46"	-22°33'42"	-00°26'16"	00°05'20"	5.033
12/10/2020 00:00:00		25°28'21"	-21°21'39"	-00°19'22"	00°01'16"	9.840
12/10/2020 00:00:00		09°28'17"	14°11'51"	-00°28'20"	-00°02'16"	18.844
12/10/2020 00:00:00		18°45'46"	-05°28'14"	-01°06'51"	-00°01'22"	29.063
12/10/2020 00:00:00		22°30'01"	-22°39'09"	-01°06'30"	00°00'13"	34.065
12/10/2020 00:00:00		22°10'53"	23°12'22"	00°00'00"	-00°03'38"	0.003
12/10/2020 00:00:00		06°36'54"	05°10'58"	02°47'04"	-00°02'37"	17.886
12/10/2020 00:00:00		28°57'16"	07°11'36"	-04°10'36"	00°06'41"	0.003
12/10/2020 00:00:00	T	22°10'53"	23°12'22"	00°00'00"	-00°03'38"	0.003
12/10/2020 00:00:00	T	08°09'59"	10°52'42"	-03°32'10"	-02°12'44"	0.003
12/10/2020 00:00:00	X	24°03'02"	-01°34'26"	-11°42'30"	-00°00'35"	94.980
12/10/2020 00:00:00	Y	28°27'50"	08°04'51"	-12°00'55"	-00°00'27"	83.662

Ephemerides year 2020

13/10/2020 00:00:00	☉	20°06'39" ♈	-07°51'36"	00°00'00"	00°59'24"	0.998
13/10/2020 00:00:00	☾	27°04'59" ♋	16°48'10"	04°36'12"	14°09'00"	0.002
13/10/2020 00:00:00	♀	11°36'11" ♎	-18°30'44"	-03°21'59"	00°07'31"	0.794
13/10/2020 00:00:00	♀	11°55'22" ♎	07°56'46"	00°55'36"	01°11'13"	1.153
13/10/2020 00:00:00	♂	21°23'23" ♏	05°30'12"	-03°03'29"	-00°19'11"	0.418
13/10/2020 00:00:00	♋	18°49'12" ♈	-22°32'59"	-00°26'18"	00°05'30"	5.048
13/10/2020 00:00:00	♌	25°29'40" ♈	-21°21'27"	-00°19'25"	00°01'22"	9.856
13/10/2020 00:00:00	♍	09°26'00" ♎	14°11'08"	-00°28'20"	-00°02'17"	18.838
13/10/2020 00:00:00	♎	18°44'24" ♏	-05°28'45"	-01°06'51"	-00°01'21"	29.072
13/10/2020 00:00:00	♏	22°30'15" ♈	-22°39'10"	-01°06'34"	00°00'14"	34.083
13/10/2020 00:00:00	♐	22°06'04" ♏	23°12'05"	00°00'00"	-00°05'59"	0.003
13/10/2020 00:00:00	♑	06°34'17" ♏	05°09'50"	02°46'58"	-00°02'36"	17.891
13/10/2020 00:00:00	♒	29°03'58" ♏	07°14'25"	-04°10'04"	00°06'41"	0.003
13/10/2020 00:00:00	♓	22°06'04" ♏	23°12'05"	00°00'00"	-00°05'59"	0.003
13/10/2020 00:00:00	♈	05°41'46" ♎	09°56'36"	-03°40'55"	-02°39'00"	0.003
13/10/2020 00:00:00	X	24°02'26" ♏	-01°34'37"	-11°42'29"	-00°00'35"	94.979
13/10/2020 00:00:00	Y	28°27'23" ♎	08°04'40"	-12°01'00"	-00°00'28"	83.651
14/10/2020 00:00:00	☉	21°06'05" ♈	-08°13'57"	00°00'00"	00°59'26"	0.997
14/10/2020 00:00:00	☾	11°28'29" ♎	11°52'12"	04°59'23"	14°37'27"	0.002

Ephemerides year 2020

14/10/2020 00:00:00	♀	11°40'09" ♍	-18°29'43"	-03°19'36"	00°00'20"	0.777
14/10/2020 00:00:00	♀	13°06'39" ♍	07°32'08"	00°58'29"	01°11'19"	1.160
14/10/2020 00:00:00	♂	21°04'13" ♏	05°26'38"	-02°59'39"	-00°19'07"	0.419
14/10/2020 00:00:00	♋	18°54'48" ♎	-22°32'14"	-00°26'20"	00°05'40"	5.063
14/10/2020 00:00:00	♌	25°31'05" ♎	-21°21'14"	-00°19'27"	00°01'27"	9.873
14/10/2020 00:00:00	♍	09°23'42" ♏	14°10'24"	-00°28'20"	-00°02'18"	18.833
14/10/2020 00:00:00	♎	18°43'03" ♏	-05°29'16"	-01°06'50"	-00°01'20"	29.081
14/10/2020 00:00:00	♏	22°30'31" ♎	-22°39'11"	-01°06'37"	00°00'16"	34.100
14/10/2020 00:00:00	♐	21°59'01" ♏	23°11'40"	00°00'00"	-00°07'59"	0.003
14/10/2020 00:00:00	♑	06°31'40" ♏	05°08'42"	02°46'51"	-00°02'36"	17.895
14/10/2020 00:00:00	♒	29°10'40" ♏	07°17'15"	-04°09'33"	00°06'41"	0.003
14/10/2020 00:00:00	T♏	21°59'01" ♏	23°11'40"	00°00'00"	-00°07'59"	0.003
14/10/2020 00:00:00	T♑	03°01'22" ♏	08°54'51"	-03°49'54"	-02°37'34"	0.003
14/10/2020 00:00:00	X	24°01'50" ♏	-01°34'48"	-11°42'27"	-00°00'36"	94.978
14/10/2020 00:00:00	Y	28°26'54" ♏	08°04'29"	-12°01'06"	-00°00'28"	83.640
15/10/2020 00:00:00	♈	22°05'33" ♏	-08°36'11"	00°00'00"	00°59'29"	0.997
15/10/2020 00:00:00	♉	26°18'10" ♍	06°06'38"	05°03'30"	15°00'42"	0.002
15/10/2020 00:00:00	♀	11°36'41" ♍	-18°25'09"	-03°15'56"	-00°07'20"	0.761
15/10/2020 00:00:00	♀	14°18'02" ♍	07°07'14"	01°01'16"	01°11'26"	1.166

Ephemerides year 2020

15/10/2020 00:00:00	♂	20°45'09" ♏	05°23'08"	-02°55'45"	-00°18'59"	0.421
15/10/2020 00:00:00	♃	19°00'34" ♏	-22°31'27"	-00°26'22"	00°05'50"	5.079
15/10/2020 00:00:00	♃	25°32'36" ♏	-21°21'00"	-00°19'30"	00°01'33"	9.889
15/10/2020 00:00:00	♃	09°21'23" ♏	14°09'40"	-00°28'20"	-00°02'19"	18.828
15/10/2020 00:00:00	♃	18°41'44" ♏	-05°29'47"	-01°06'49"	-00°01'18"	29.091
15/10/2020 00:00:00	♃	22°30'48" ♏	-22°39'12"	-01°06'40"	00°00'18"	34.118
15/10/2020 00:00:00	♁	21°50'21" ♏	23°11'08"	00°00'00"	-00°09'08"	0.003
15/10/2020 00:00:00	♃	06°29'05" ♏	05°07'35"	02°46'44"	-00°02'35"	17.900
15/10/2020 00:00:00	♁	29°17'21" ♏	07°20'04"	-04°09'02"	00°06'41"	0.003
15/10/2020 00:00:00	♁	21°50'21" ♏	23°11'08"	00°00'00"	-00°09'08"	0.003
15/10/2020 00:00:00	♁	00°32'52" ♏	07°56'49"	-03°57'48"	-02°17'40"	0.003
15/10/2020 00:00:00	X	24°01'14" ♏	-01°35'00"	-11°42'26"	-00°00'36"	94.978
15/10/2020 00:00:00	Y	28°26'25" ♏	08°04'18"	-12°01'11"	-00°00'29"	83.629
16/10/2020 00:00:00	♁	23°05'03" ♏	-08°58'18"	00°00'00"	00°59'31"	0.997
16/10/2020 00:00:00	♁	11°27'01" ♏	-00°07'42"	04°46'44"	15°15'19"	0.002
16/10/2020 00:00:00	♁	11°25'20" ♏	-18°16'47"	-03°10'52"	-00°15'26"	0.745
16/10/2020 00:00:00	♀	15°29'31" ♏	06°42'06"	01°03'59"	01°11'32"	1.173
16/10/2020 00:00:00	♂	20°26'15" ♏	05°19'45"	-02°51'48"	-00°18'48"	0.422
16/10/2020 00:00:00	♃	19°06'30" ♏	-22°30'39"	-00°26'23"	00°06'00"	5.094

Ephemerides year 2020

16/10/2020 00:00:00	♃	25°34'13" ♁	-21°20'45"	-00°19'33"	00°01'39"	9.906
16/10/2020 00:00:00	♃	09°19'03" ♁	14°08'55"	-00°28'20"	-00°02'20"	18.823
16/10/2020 00:00:00	♃	18°40'26" ♁	-05°30'17"	-01°06'48"	-00°01'17"	29.101
16/10/2020 00:00:00	♃	22°31'08" ♁	-22°39'12"	-01°06'44"	00°00'20"	34.136
16/10/2020 00:00:00	♃	21°41'07" ♁	23°10'34"	00°00'00"	-00°09'08"	0.003
16/10/2020 00:00:00	♃	06°26'30" ♁	05°06'27"	02°46'38"	-00°02'34"	17.905
16/10/2020 00:00:00	♃	29°24'03" ♁	07°22'54"	-04°08'30"	00°06'41"	0.003
16/10/2020 00:00:00	♃	21°41'07" ♁	23°10'34"	00°00'00"	-00°09'08"	0.003
16/10/2020 00:00:00	♃	28°26'24" ♁	07°06'41"	-04°04'16"	-01°56'30"	0.003
16/10/2020 00:00:00	X	24°00'38" ♁	-01°35'11"	-11°42'24"	-00°00'36"	94.977
16/10/2020 00:00:00	Y	28°25'56" ♁	08°04'07"	-12°01'16"	-00°00'29"	83.619
17/10/2020 00:00:00	♃	24°04'35" ♁	-09°20'17"	00°00'00"	00°59'33"	0.997
17/10/2020 00:00:00	♃	26°45'08" ♁	-06°26'02"	04°09'24"	15°19'00"	0.002
17/10/2020 00:00:00	♃	11°05'42" ♁	-18°04'22"	-03°04'17"	-00°23'52"	0.730
17/10/2020 00:00:00	♃	16°41'07" ♁	06°16'43"	01°06'38"	01°11'38"	1.179
17/10/2020 00:00:00	♃	20°07'33" ♁	05°16'28"	-02°47'47"	-00°18'34"	0.424
17/10/2020 00:00:00	♃	19°12'35" ♁	-22°29'49"	-00°26'25"	00°06'10"	5.109
17/10/2020 00:00:00	♃	25°35'55" ♁	-21°20'29"	-00°19'36"	00°01'45"	9.922
17/10/2020 00:00:00	♃	09°16'42" ♁	14°08'11"	-00°28'20"	-00°02'21"	18.819

Ephemerides year 2020

17/10/2020 00:00:00	♁	18°39'09" ♏r	-05°30'46"	-01°06'47"	-00°01'16"	29.111
17/10/2020 00:00:00	♁	22°31'29" ♏	-22°39'12"	-01°06'47"	00°00'22"	34.154
17/10/2020 00:00:00	♁	21°32'28" ♏r	23°10'01"	00°00'00"	-00°07'58"	0.003
17/10/2020 00:00:00	♁	06°23'57" ♏r	05°05'20"	02°46'31"	-00°02'32"	17.910
17/10/2020 00:00:00	♁	29°30'45" ♏	07°25'43"	-04°07'59"	00°06'41"	0.003
17/10/2020 00:00:00	♁	21°32'28" ♏r	23°10'01"	00°00'00"	-00°07'58"	0.003
17/10/2020 00:00:00	♁	26°35'21" ♏r	06°22'05"	-04°09'54"	-01°48'32"	0.003
17/10/2020 00:00:00	X	24°00'02" ♏r	-01°35'22"	-11°42'22"	-00°00'36"	94.977
17/10/2020 00:00:00	Y	28°25'26" ♏r	08°03'56"	-12°01'21"	-00°00'30"	83.609
18/10/2020 00:00:00	♁	25°04'10" ♏	-09°42'08"	00°00'00"	00°59'35"	0.996
18/10/2020 00:00:00	♁	12°01'16" ♏	-12°21'24"	03°14'16"	15°11'25"	0.002
18/10/2020 00:00:00	♁	10°37'32" ♏r	-17°47'41"	-02°56'04"	-00°32'30"	0.716
18/10/2020 00:00:00	♁	17°52'49" ♏	05°51'06"	01°09'11"	01°11'44"	1.186
18/10/2020 00:00:00	♁	19°49'07" ♏r	05°13'19"	-02°43'43"	-00°18'17"	0.425
18/10/2020 00:00:00	♁	19°18'51" ♏	-22°28'57"	-00°26'27"	00°06'20"	5.125
18/10/2020 00:00:00	♁	25°37'44" ♏	-21°20'11"	-00°19'38"	00°01'51"	9.939
18/10/2020 00:00:00	♁	09°14'20" ♏r	14°07'26"	-00°28'20"	-00°02'22"	18.814
18/10/2020 00:00:00	♁	18°37'53" ♏r	-05°31'15"	-01°06'47"	-00°01'14"	29.121
18/10/2020 00:00:00	♁	22°31'52" ♏	-22°39'11"	-01°06'51"	00°00'23"	34.172

Ephemerides year 2020

18/10/2020 00:00:00	♏	21°25'28" ♀	23°09'34"	00°00'00"	-00°05'54"	0.003
18/10/2020 00:00:00	♋	06°21'24" ♀	05°04'13"	02°46'23"	-00°02'31"	17.916
18/10/2020 00:00:00	♌	29°37'26" ♀	07°28'33"	-04°07'27"	00°06'41"	0.003
18/10/2020 00:00:00	♏	21°25'28" ♀	23°09'34"	00°00'00"	-00°05'54"	0.003
18/10/2020 00:00:00	♌	24°43'12" ♀	05°36'26"	-04°15'37"	-01°58'31"	0.003
18/10/2020 00:00:00	X	23°59'26" ♀	-01°35'33"	-11°42'20"	-00°00'36"	94.977
18/10/2020 00:00:00	Y	28°24'56" ♂	08°03'45"	-12°01'26"	-00°00'30"	83.599
19/10/2020 00:00:00	♏	26°03'46" ♀	-10°03'50"	-00°00'00"	00°59'37"	0.996
19/10/2020 00:00:00	♎	27°04'47" ♀	-17°27'25"	02°06'08"	14°54'14"	0.002
19/10/2020 00:00:00	♌	10°00'41" ♀	-17°26'33"	-02°46'08"	-00°41'09"	0.704
19/10/2020 00:00:00	♌	19°04'37" ♀	05°25'16"	01°11'40"	01°11'50"	1.192
19/10/2020 00:00:00	♌	19°31'00" ♀	05°10'19"	-02°39'37"	-00°17'57"	0.427
19/10/2020 00:00:00	♌	19°25'16" ♀	-22°28'04"	-00°26'29"	00°06'30"	5.140
19/10/2020 00:00:00	♌	25°39'38" ♀	-21°19'53"	-00°19'41"	00°01'57"	9.956
19/10/2020 00:00:00	♌	09°11'57" ♂	14°06'40"	-00°28'20"	-00°02'23"	18.811
19/10/2020 00:00:00	♌	18°36'39" ♀	-05°31'43"	-01°06'46"	-00°01'13"	29.132
19/10/2020 00:00:00	♌	22°32'17" ♀	-22°39'11"	-01°06'54"	00°00'25"	34.190
19/10/2020 00:00:00	♏	21°20'47" ♀	23°09'16"	00°00'00"	-00°03'26"	0.003
19/10/2020 00:00:00	♋	06°18'53" ♀	05°03'06"	02°46'16"	-00°02'30"	17.922







































Ephemerides year 2020

19/10/2020 00:00:00	☾	29°44'08" ♀	07°31'22"	-04°06'55"	00°06'41"	0.003	
19/10/2020 00:00:00	♁	21°20'47" ♀	23°09'16"		00°00'00"	-00°03'26"	0.003
19/10/2020 00:00:00	♁	22°34'32" ♀	04°43'31"	-04°22'03"	-02°19'27"	0.003	
19/10/2020 00:00:00	X	23°58'50" ♀	-01°35'44"	-11°42'18"	-00°00'35"	94.978	
19/10/2020 00:00:00	Y	28°24'25" ♂	08°03'34"	-12°01'30"	-00°00'30"	83.589	
20/10/2020 00:00:00	☉	27°03'24" ♀	-10°25'24"	-00°00'00"	00°59'39"	0.996	
20/10/2020 00:00:00	☾	11°47'33" ♂	-21°21'32"	00°50'52"	14°30'27"	0.002	
20/10/2020 00:00:00	♀	09°15'18" ♀	-17°00'54"	-02°34'25"	-00°49'33"	0.693	
20/10/2020 00:00:00	♀	20°16'31" ♀	04°59'14"	01°14'03"	01°11'56"	1.198	
20/10/2020 00:00:00	♂	19°13'14" ♀	05°07'28"	-02°35'28"	-00°17'34"	0.429	
20/10/2020 00:00:00	♃	19°31'51" ♂	-22°27'09"	-00°26'30"	00°06'39"	5.155	
20/10/2020 00:00:00	♃	25°41'39" ♂	-21°19'33"	-00°19'44"	00°02'03"	9.972	
20/10/2020 00:00:00	♃	09°09'33" ♂	14°05'55"	-00°28'20"	-00°02'23"	18.807	
20/10/2020 00:00:00	♃	18°35'26" ♀	-05°32'11"	-01°06'45"	-00°01'12"	29.142	
20/10/2020 00:00:00	♃	22°32'44" ♂	-22°39'10"	-01°06'58"	00°00'27"	34.207	
20/10/2020 00:00:00	♁	21°18'31" ♀	23°09'07"	00°00'00"	-00°01'09"	0.003	
20/10/2020 00:00:00	♃	06°16'24" ♀	05°02'00"	02°46'09"	-00°02'29"	17.928	
20/10/2020 00:00:00	☾	29°50'50" ♀	07°34'12"	-04°06'23"	00°06'41"	0.003	
20/10/2020 00:00:00	♁	21°18'31" ♀	23°09'07"		00°00'00"	-00°01'09"	0.003

Ephemerides year 2020

20/10/2020 00:00:00	T♄	20°06'00" ♏	03°41'56"	-04°29'07"	-02°35'12"	0.003
20/10/2020 00:00:00	X	23°58'14" ♏	-01°35'54"	-11°42'15"	-00°00'35"	94.979
20/10/2020 00:00:00	Y	28°23'54" ♏	08°03'23"	-12°01'35"	-00°00'31"	83.580
21/10/2020 00:00:00	☉	28°03'05" ♏	-10°46'49"	-00°00'00"	00°59'41"	0.996
21/10/2020 00:00:00	☾	26°04'40" ♏	-23°48'22"	-00°25'39"	14°03'30"	0.002
21/10/2020 00:00:00	♀	08°21'46" ♏	-16°30'48"	-02°20'54"	-00°57'24"	0.683
21/10/2020 00:00:00	♀	21°28'30" ♏	04°33'00"	01°16'22"	01°12'02"	1.204
21/10/2020 00:00:00	♂	18°55'52" ♏	05°04'48"	-02°31'18"	-00°17'08"	0.432
21/10/2020 00:00:00	♃	19°38'35" ♏	-22°26'12"	-00°26'32"	00°06'48"	5.171
21/10/2020 00:00:00	♅	25°43'45" ♏	-21°19'13"	-00°19'47"	00°02'09"	9.989
21/10/2020 00:00:00	♁	09°07'09" ♏	14°05'09"	-00°28'20"	-00°02'24"	18.804
21/10/2020 00:00:00	♆	18°34'15" ♏	-05°32'38"	-01°06'44"	-00°01'10"	29.153
21/10/2020 00:00:00	♁	22°33'12" ♏	-22°39'08"	-01°07'01"	00°00'29"	34.225
21/10/2020 00:00:00	♁	21°18'14" ♏	23°09'06"	00°00'00"	00°00'26"	0.003
21/10/2020 00:00:00	♁	06°13'55" ♏	05°00'54"	02°46'01"	-00°02'27"	17.935
21/10/2020 00:00:00	♁	29°57'32" ♏	07°37'01"	-04°05'51"	00°06'41"	0.003
21/10/2020 00:00:00	T♁	21°18'14" ♏	23°09'06"	00°00'00"	00°00'26"	0.003
21/10/2020 00:00:00	T♄	17°31'39" ♏	02°37'36"	-04°35'57"	-02°28'45"	0.003
21/10/2020 00:00:00	X	23°57'38" ♏	-01°36'05"	-11°42'13"	-00°00'35"	94.980

Ephemerides year 2020

21/10/2020 00:00:00	Y	28°23'23" 	08°03'13"	-12°01'39"	-00°00'31"	83.571
22/10/2020 00:00:00		29°02'46" 	-11°08'03"	-00°00'00"	00°59'42"	0.995
22/10/2020 00:00:00		09°54'32" 	-24°42'07" 	-01°38'22"	13°36'23"	0.003
22/10/2020 00:00:00		07°20'47" 	-15°56'27"	-02°05'37"	-01°04'21"	0.676
22/10/2020 00:00:00		22°40'35" 	04°06'35"	01°18'36"	01°12'07"	1.211
22/10/2020 00:00:00		18°38'58" 	05°02'18"	-02°27'06"	-00°16'40"	0.434
22/10/2020 00:00:00		19°45'29" 	-22°25'14"	-00°26'34"	00°06'58"	5.186
22/10/2020 00:00:00		25°45'57" 	-21°18'51"	-00°19'49"	00°02'14"	10.005
22/10/2020 00:00:00		09°04'44" 	14°04'23"	-00°28'20"	-00°02'25"	18.801
22/10/2020 00:00:00		18°33'05" 	-05°33'04"	-01°06'43"	-00°01'09"	29.165
22/10/2020 00:00:00		22°33'42" 	-22°39'07"	-01°07'05"	00°00'31"	34.243
22/10/2020 00:00:00		21°19'05" 	23°09'09"	00°00'00"	00°01'04"	0.003
22/10/2020 00:00:00		06°11'28" 	04°59'49"	02°45'53"	-00°02'26"	17.942
22/10/2020 00:00:00		00°04'13" 	07°39'51"	-04°05'19"	00°06'41"	0.003
22/10/2020 00:00:00		21°19'05" 	23°09'09"	00°00'00"	00°01'04"	0.003
22/10/2020 00:00:00		15°18'22" 	01°41'53"	-04°41'22"	-01°53'09"	0.003
22/10/2020 00:00:00	X	23°57'03" 	-01°36'15"	-11°42'10"	-00°00'35"	94.981
22/10/2020 00:00:00	Y	28°22'52" 	08°03'02"	-12°01'44"	-00°00'31"	83.562
23/10/2020 00:00:00		00°02'30" 	-11°29'08"	-00°00'00"	00°59'44"	0.995

Ephemerides year 2020

23/10/2020 00:00:00	♃	23°18'09" ♁	-24°06'32"	♁-02°43'23"	13°11'19"	0.003
23/10/2020 00:00:00	♁	06°13'29" ♃	-15°18'15"	-01°48'43"	-01°10'00"	0.671
23/10/2020 00:00:00	♂	23°52'45" ♃	03°39'59"	01°20'45"	01°12'12"	1.217
23/10/2020 00:00:00	♂	18°22'33" ♃	05°00'00"	-02°22'52"	-00°16'09"	0.437
23/10/2020 00:00:00	♃	19°52'32" ♁	-22°24'14"	-00°26'36"	00°07'07"	5.201
23/10/2020 00:00:00	♃	25°48'15" ♁	-21°18'28"	-00°19'52"	00°02'20"	10.022
23/10/2020 00:00:00	♃	09°02'19" ♃	14°03'37"	-00°28'19"	-00°02'25"	18.798
23/10/2020 00:00:00	♃	18°31'56" ♃	-05°33'30"	-01°06'42"	-00°01'07"	29.176
23/10/2020 00:00:00	♃	22°34'14" ♁	-22°39'05"	-01°07'08"	00°00'32"	34.261
23/10/2020 00:00:00	♁	21°20'02" ♃	23°09'13"	00°00'00"	00°00'38"	0.003
23/10/2020 00:00:00	♃	06°09'03" ♃	04°58'44"	02°45'45"	-00°02'24"	17.949
23/10/2020 00:00:00	♁	00°10'55" ♃	07°42'40"	-04°04'47"	00°06'41"	0.003
23/10/2020 00:00:00	♁	21°20'02" ♃	23°09'13"	00°00'00"	00°00'38"	0.003
23/10/2020 00:00:00	♁	13°52'43" ♃	01°06'02"	-04°44'35"	-00°55'38"	0.003
23/10/2020 00:00:00	X	23°56'27" ♃	-01°36'25"	-11°42'07"	-00°00'35"	94.983
23/10/2020 00:00:00	Y	28°22'19" ♃	08°02'51"	-12°01'48"	-00°00'32"	83.553
24/10/2020 00:00:00	♁	01°02'15" ♃	-11°50'02"	-00°00'00"	00°59'46"	0.995
24/10/2020 00:00:00	♃	06°18'17" ♃	-22°12'41"	-03°37'59"	12°49'33"	0.003
24/10/2020 00:00:00	♁	05°01'20" ♃	-14°36'50"	-01°30'23"	-01°13'59"	0.669

Ephemerides year 2020

24/10/2020 00:00:00	♀	25°05'00" ♍	03°13'14"	01°22'49"	01°12'18"	1.223
24/10/2020 00:00:00	♂	18°06'39" ♏	04°57'54"	-02°18'38"	-00°15'37"	0.439
24/10/2020 00:00:00	♃	19°59'43" ♎	-22°23'13"	-00°26'37"	00°07'16"	5.216
24/10/2020 00:00:00	♅	25°50'38" ♎	-21°18'04"	-00°19'55"	00°02'26"	10.038
24/10/2020 00:00:00	♁	08°59'53" ♏	14°02'51"	-00°28'19"	-00°02'26"	18.796
24/10/2020 00:00:00	♃	18°30'49" ♏	-05°33'56"	-01°06'41"	-00°01'06"	29.188
24/10/2020 00:00:00	♁	22°34'48" ♎	-22°39'02"	-01°07'11"	00°00'34"	34.278
24/10/2020 00:00:00	♁	21°20'04" ♏	23°09'13"	00°00'00"	-00°00'41"	0.003
24/10/2020 00:00:00	♃	06°06'39" ♏	04°57'40"	02°45'37"	-00°02'23"	17.956
24/10/2020 00:00:00	♁	00°17'37" ♏	07°45'30"	-04°04'14"	00°06'41"	0.003
24/10/2020 00:00:00	♁	21°20'04" ♏	23°09'13"	00°00'00"	-00°00'41"	0.003
24/10/2020 00:00:00	♁	13°29'30" ♏	00°56'21"	-04°45'23"	00°09'12"	0.003
24/10/2020 00:00:00	X	23°55'51" ♏	-01°36'35"	-11°42'05"	-00°00'35"	94.985
24/10/2020 00:00:00	Y	28°21'47" ♏	08°02'41"	-12°01'52"	-00°00'32"	83.545
25/10/2020 00:00:00	♁	02°02'02" ♍	-12°10'46"	-00°00'00"	00°59'47"	0.994
25/10/2020 00:00:00	♃	18°58'33" ♎	-19°15'11"	-04°20'22"	12°31'39"	0.003
25/10/2020 00:00:00	♃	03°46'10" ♏	-13°53'02"	-01°10'54"	-01°15'59"	0.669
25/10/2020 00:00:00	♀	26°17'21" ♍	02°46'20"	01°24'48"	01°12'23"	1.229
25/10/2020 00:00:00	♂	17°51'19" ♏	04°56'01"	-02°14'23"	-00°15'02"	0.442

Ephemerides year 2020

25/10/2020 00:00:00	♃	20°07'04" ♊	-22°22'09"	-00°26'39"	00°07'25"	5.231
25/10/2020 00:00:00	♅	25°53'07" ♊	-21°17'39"	-00°19'58"	00°02'31"	10.055
25/10/2020 00:00:00	♁	08°57'26" ♏	14°02'04"	-00°28'19"	-00°02'26"	18.794
25/10/2020 00:00:00	♆	18°29'43" ♏	-05°34'20"	-01°06'40"	-00°01'05"	29.200
25/10/2020 00:00:00	♁	22°35'24" ♊	-22°39'00"	-01°07'15"	00°00'36"	34.296
25/10/2020 00:00:00	♁	21°18'26" ♏	23°09'07"	00°00'00"	-00°02'39"	0.003
25/10/2020 00:00:00	♃	06°04'16" ♏	04°56'35"	02°45'29"	-00°02'21"	17.964
25/10/2020 00:00:00	♁	00°24'18" ♏	07°48'19"	-04°03'42"	00°06'41"	0.003
25/10/2020 00:00:00	♁	21°18'26" ♏	23°09'07"	00°00'00"	-00°02'39"	0.003
25/10/2020 00:00:00	♁	14°09'14" ♏	01°13'03"	-04°43'52"	01°08'34"	0.003
25/10/2020 00:00:00	X	23°55'15" ♏	-01°36'45"	-11°42'02"	-00°00'35"	94.987
25/10/2020 00:00:00	Y	28°21'14" ♏	08°02'30"	-12°01'56"	-00°00'33"	83.537
26/10/2020 00:00:00	♁	03°01'51" ♏	-12°31'17"	-00°00'00"	00°59'49"	0.994
26/10/2020 00:00:00	♁	01°22'53" ♏	-15°29'12"	-04°49'32"	12°17'37"	0.003
26/10/2020 00:00:00	♁	02°30'05" ♏	-13°07'55"	-00°50'36"	-01°15'46"	0.672
26/10/2020 00:00:00	♀	27°29'47" ♏	02°19'17"	01°26'42"	01°12'28"	1.235
26/10/2020 00:00:00	♂	17°36'34" ♏	04°54'21"	-02°10'08"	-00°14'26"	0.445
26/10/2020 00:00:00	♃	20°14'34" ♊	-22°21'04"	-00°26'41"	00°07'33"	5.246
26/10/2020 00:00:00	♅	25°55'41" ♊	-21°17'13"	-00°20'00"	00°02'37"	10.071

Ephemerides year 2020

26/10/2020 00:00:00	♃	08°54'59" ♉	14°01'18"	-00°28'19"	-00°02'27"	18.792
26/10/2020 00:00:00	♃	18°28'39" ♉	-05°34'45"	-01°06'39"	-00°01'03"	29.212
26/10/2020 00:00:00	♃	22°36'01" ♉	-22°38'57"	-01°07'18"	00°00'37"	34.313
26/10/2020 00:00:00	♃	21°14'42" ♉	23°08'52"	00°00'00"	-00°04'49"	0.003
26/10/2020 00:00:00	♃	06°01'55" ♉	04°55'32"	02°45'21"	-00°02'20"	17.972
26/10/2020 00:00:00	♃	00°31'00" ♉	07°51'08"	-04°03'09"	00°06'41"	0.003
26/10/2020 00:00:00	♃	21°14'42" ♉	23°08'52"	00°00'00"	-00°04'49"	0.003
26/10/2020 00:00:00	♃	15°42'23" ♉	01°52'05"	-04°40'15"	01°55'18"	0.003
26/10/2020 00:00:00	X	23°54'40" ♉	-01°36'55"	-11°41'58"	-00°00'35"	94.990
26/10/2020 00:00:00	Y	28°20'41" ♉	08°02'20"	-12°01'59"	-00°00'33"	83.529
27/10/2020 00:00:00	♃	04°01'41" ♉	-12°51'38"	-00°00'00"	00°59'51"	0.994
27/10/2020 00:00:00	♃	13°34'59" ♉	-11°08'33"	-05°04'58"	12°07'08"	0.003
27/10/2020 00:00:00	♃	01°15'24" ♉	-12°22'39"	-00°29'54"	-01°13'13"	0.677
27/10/2020 00:00:00	♀	28°42'18" ♉	01°52'07"	01°28'31"	01°12'33"	1.241
27/10/2020 00:00:00	♂	17°22'27" ♉	04°52'54"	-02°05'53"	-00°13'48"	0.448
27/10/2020 00:00:00	♃	20°22'12" ♉	-22°19'58"	-00°26'43"	00°07'42"	5.261
27/10/2020 00:00:00	♃	25°58'21" ♉	-21°16'46"	-00°20'03"	00°02'42"	10.088
27/10/2020 00:00:00	♃	08°52'31" ♉	14°00'31"	-00°28'18"	-00°02'27"	18.790
27/10/2020 00:00:00	♃	18°27'36" ♉	-05°35'08"	-01°06'37"	-00°01'02"	29.224

Ephemerides year 2020

27/10/2020 00:00:00	♁	22°36'40" ♉	-22°38'54"	-01°07'22"	00°00'39"	34.331
27/10/2020 00:00:00	♁	21°08'52" ♉r	23°08'29"	00°00'00"	-00°06'47"	0.003
27/10/2020 00:00:00	♊	05°59'36" ♊r	04°54'29"	02°45'12"	-00°02'18"	17.980
27/10/2020 00:00:00	♋	00°37'42" ♋	07°53'58"	-04°02'36"	00°06'41"	0.003
27/10/2020 00:00:00	♁	21°08'52" ♉r	23°08'29"	00°00'00"	-00°06'47"	0.003
27/10/2020 00:00:00	♋	17°54'55" ♋	02°47'27"	-04°34'49"	02°27'19"	0.003
27/10/2020 00:00:00	♊	23°54'04" ♊r	-01°37'04"	-11°41'55"	-00°00'35"	94.993
27/10/2020 00:00:00	♊	28°20'07" ♊r	08°02'09"	-12°02'03"	-00°00'33"	83.521
28/10/2020 00:00:00	♋	05°01'33" ♋	-13°11'46"	-00°00'00"	00°59'52"	0.994
28/10/2020 00:00:00	♌	25°38'10" ♌	-06°25'23"	-05°06'37"	11°59'41"	0.003
28/10/2020 00:00:00	♋	00°04'25" ♋r	-11°38'29"	-00°09'16"	-01°08'22"	0.686
28/10/2020 00:00:00	♌	29°54'54" ♌	01°24'49"	01°30'14"	01°12'38"	1.247
28/10/2020 00:00:00	♊	17°08'58" ♊r	04°51'41"	-02°01'38"	-00°13'08"	0.452
28/10/2020 00:00:00	♉	20°29'59" ♉	-22°18'49"	-00°26'44"	00°07'51"	5.276
28/10/2020 00:00:00	♉	26°01'07" ♉	-21°16'17"	-00°20'06"	00°02'48"	10.104
28/10/2020 00:00:00	♊	08°50'04" ♊r	13°59'44"	-00°28'18"	-00°02'27"	18.789
28/10/2020 00:00:00	♋	18°26'35" ♋r	-05°35'31"	-01°06'36"	-00°01'00"	29.237
28/10/2020 00:00:00	♁	22°37'20" ♉	-22°38'51"	-01°07'25"	00°00'41"	34.348
28/10/2020 00:00:00	♁	21°01'18" ♉r	23°07'58"	00°00'00"	-00°08'12"	0.003



Ephemerides year 2020

28/10/2020 00:00:00	♄	05°57'19" ♏r	04°53'27"	02°45'04"	-00°02'16"	17.989
28/10/2020 00:00:00	♁	00°44'23" ♏	07°56'47"	-04°02'03"	00°06'41"	0.003
28/10/2020 00:00:00	♁♁	21°01'18" ♏r	23°07'58"	00°00'00"	-00°08'12"	0.003
28/10/2020 00:00:00	♁♁	20°32'32" ♏	03°53'00"	-04°27'51"	02°45'58"	0.003
28/10/2020 00:00:00	X	23°53'29" ♏r	-01°37'14"	-11°41'52"	-00°00'35"	94.996
28/10/2020 00:00:00	Y	28°19'33" ♏r	08°01'59"	-12°02'06"	-00°00'34"	83.514
29/10/2020 00:00:00	♁	06°01'26" ♏	-13°31'41"	-00°00'00"	00°59'54"	0.993
29/10/2020 00:00:00	♁	07°35'12" ♏	-01°30'19"	-04°54'50"	11°54'44"	0.003
29/10/2020 00:00:00	♁	28°59'20" ♏r	-10°56'38"	00°10'54"	-01°01'26"	0.698
29/10/2020 00:00:00	♁	01°07'34" ♏	00°57'26"	01°31'53"	01°12'43"	1.253
29/10/2020 00:00:00	♁	16°56'09" ♏r	04°50'43"	-01°57'24"	-00°12'28"	0.455
29/10/2020 00:00:00	♁	20°37'55" ♏	-22°17'39"	-00°26'46"	00°07'59"	5.291
29/10/2020 00:00:00	♁	26°03'58" ♏	-21°15'48"	-00°20'08"	00°02'53"	10.121
29/10/2020 00:00:00	♁	08°47'36" ♏r	13°58'57"	-00°28'18"	-00°02'28"	18.788
29/10/2020 00:00:00	♁	18°25'35" ♏r	-05°35'53"	-01°06'35"	-00°00'58"	29.249
29/10/2020 00:00:00	♁	22°38'02" ♏	-22°38'47"	-01°07'29"	00°00'43"	34.366
29/10/2020 00:00:00	♁	20°52'42" ♏r	23°07'23"	00°00'00"	-00°08'51"	0.003
29/10/2020 00:00:00	♁	05°55'03" ♏r	04°52'25"	02°44'55"	-00°02'14"	17.997
29/10/2020 00:00:00	♁	00°51'05" ♏	07°59'36"	-04°01'30"	00°06'41"	0.003

Ephemerides year 2020

29/10/2020 00:00:00	T♄	20°52'42" ♀	23°07'23"	00°00'00"	-00°08'51"	0.003
29/10/2020 00:00:00	T♄	23°23'39" ♀	05°03'41"	-04°19'43"	02°55'05"	0.003
29/10/2020 00:00:00	X	23°52'53" ♀	-01°37'23"	-11°41'48"	-00°00'35"	95.000
29/10/2020 00:00:00	Y	28°18'59" ♂	08°01'49"	-12°02'10"	-00°00'34"	83.507
30/10/2020 00:00:00	♁	07°01'22" ♀	-13°51'24"	-00°00'00"	00°59'56"	0.993
30/10/2020 00:00:00	♂	19°28'21" ♀	03°26'46"	-04°30'18"	11°51'51"	0.003
30/10/2020 00:00:00	♀	28°02'07" ♀	-10°18'15"	00°30'12"	-00°52'44"	0.712
30/10/2020 00:00:00	♀	02°20'20" ♀	00°29'56"	01°33'26"	01°12'48"	1.259
30/10/2020 00:00:00	♂	16°44'02" ♀	04°50'00"	-01°53'10"	-00°11'45"	0.459
30/10/2020 00:00:00	♃	20°45'59" ♀	-22°16'27"	-00°26'48"	00°08'08"	5.306
30/10/2020 00:00:00	♃	26°06'54" ♀	-21°15'17"	-00°20'11"	00°02'59"	10.137
30/10/2020 00:00:00	♃	08°45'07" ♂	13°58'10"	-00°28'17"	-00°02'28"	18.788
30/10/2020 00:00:00	♃	18°24'37" ♀	-05°36'15"	-01°06'34"	-00°00'57"	29.262
30/10/2020 00:00:00	♃	22°38'46" ♀	-22°38'43"	-01°07'32"	00°00'44"	34.383
30/10/2020 00:00:00	♁	20°43'53" ♀	23°06'47"	00°00'00"	-00°08'38"	0.003
30/10/2020 00:00:00	♃	05°52'49" ♀	04°51'23"	02°44'46"	-00°02'12"	18.006
30/10/2020 00:00:00	♃	00°57'46" ♂	08°02'25"	-04°00'57"	00°06'41"	0.003
30/10/2020 00:00:00	T♄	20°43'53" ♀	23°06'47"	00°00'00"	-00°08'38"	0.003
30/10/2020 00:00:00	T♄	26°21'26" ♀	06°16'25"	-04°10'39"	03°00'20"	0.003

Ephemerides year 2020

30/10/2020 00:00:00	X	23°52'18" ♄	-01°37'32"	-11°41'45"	-00°00'35"	95.003
30/10/2020 00:00:00	Y	28°18'24" ♄	08°01'38"	-12°02'13"	-00°00'34"	83.500
31/10/2020 00:00:00	☉	08°01'19" ♃	-14°10'54"	-00°00'00"	00°59'58"	0.993
31/10/2020 00:00:00	☾	01°19'30" ♄	08°16'18"	-03°54'07"	11°50'43"	0.003
31/10/2020 00:00:00	♀	27°14'20" ♄	-09°44'16"	00°48'16"	-00°42'38"	0.729
31/10/2020 00:00:00	♀	03°33'11" ♄	00°02'22"	01°34'55"	01°12'52"	1.265
31/10/2020 00:00:00	♂	16°32'38" ♄	04°49'31"	-01°48'58"	-00°11'02"	0.463
31/10/2020 00:00:00	♃	20°54'11" ♄	-22°15'14"	-00°26'49"	00°08'16"	5.321
31/10/2020 00:00:00	♃	26°09'56" ♄	-21°14'46"	-00°20'14"	00°03'04"	10.153
31/10/2020 00:00:00	♃	08°42'39" ♄	13°57'23"	-00°28'17"	-00°02'28"	18.788
31/10/2020 00:00:00	♃	18°23'40" ♃	-05°36'36"	-01°06'33"	-00°00'55"	29.276
31/10/2020 00:00:00	♃	22°39'32" ♄	-22°38'39"	-01°07'36"	00°00'46"	34.400
31/10/2020 00:00:00	♃	20°35'40" ♃	23°06'12"	00°00'00"	-00°07'38"	0.003
31/10/2020 00:00:00	♃	05°50'37" ♄	04°50'23"	02°44'37"	-00°02'10"	18.016
31/10/2020 00:00:00	♃	01°04'28" ♄	08°05'14"	-04°00'24"	00°06'41"	0.003
31/10/2020 00:00:00	T♃	20°35'40" ♃	23°06'12"	00°00'00"	-00°07'38"	0.003
31/10/2020 00:00:00	T♃	29°24'58" ♄	07°30'33"	-04°00'41"	03°07'22"	0.003
31/10/2020 00:00:00	X	23°51'43" ♄	-01°37'41"	-11°41'41"	-00°00'34"	95.007
31/10/2020 00:00:00	Y	28°17'50" ♄	08°01'28"	-12°02'16"	-00°00'34"	83.493

Ephemerides year 2020

01/11/2020 00:00:00	☉	09°01'18" ♍	-14°30'10"	-00°00'00"	01°00'00"	0.992
01/11/2020 00:00:00	☾	13°10'21" ♋	12°48'19"	-03°07'45"	11°51'14"	0.003
01/11/2020 00:00:00	♃	26°37'08" ♉	-09°15'25"	01°04'52"	-00°31'37"	0.748
01/11/2020 00:00:00	♂	04°46'06" ♋	-00°25'16"	01°36'18"	01°12'57"	1.271
01/11/2020 00:00:00	♂	16°21'57" ♏	04°49'17"	-01°44'48"	-00°10'18"	0.467
01/11/2020 00:00:00	♃	21°02'31" ♌	-22°13'59"	-00°26'51"	00°08'24"	5.335
01/11/2020 00:00:00	♃	26°13'03" ♌	-21°14'13"	-00°20'16"	00°03'09"	10.169
01/11/2020 00:00:00	♃	08°40'11" ♋	13°56'36"	-00°28'16"	-00°02'28"	18.788
01/11/2020 00:00:00	♃	18°22'46" ♏	-05°36'56"	-01°06'31"	-00°00'53"	29.289
01/11/2020 00:00:00	♃	22°40'19" ♌	-22°38'35"	-01°07'39"	00°00'48"	34.417
01/11/2020 00:00:00	♁	20°28'49" ♏	23°05'43"	00°00'00"	-00°06'00"	0.003
01/11/2020 00:00:00	♃	05°48'27" ♏	04°49'23"	02°44'28"	-00°02'08"	18.025
01/11/2020 00:00:00	♃	01°11'09" ♋	08°08'03"	-03°59'50"	00°06'41"	0.003
01/11/2020 00:00:00	♁	20°28'49" ♏	23°05'43"	00°00'00"	-00°06'00"	0.003
01/11/2020 00:00:00	♃	02°37'46" ♋	08°47'13"	-03°49'33"	03°18'57"	0.003
01/11/2020 00:00:00	X	23°51'08" ♏	-01°37'50"	-11°41'37"	-00°00'34"	95.012
01/11/2020 00:00:00	Y	28°17'14" ♋	08°01'18"	-12°02'19"	-00°00'35"	83.487
02/11/2020 00:00:00	☉	10°01'19" ♍	-14°49'11"	-00°00'00"	01°00'02"	0.992
02/11/2020 00:00:00	☾	25°02'35" ♋	16°52'20"	-02°13'02"	11°53'31"	0.003

Ephemerides year 2020

02/11/2020 00:00:00	♀	26°11'15" ♈	-08°52'10"	01°19'47"	-00°20'06"	0.769
02/11/2020 00:00:00	♀	05°59'06" ♈	-00°52'58"	01°37'36"	01°13'02"	1.277
02/11/2020 00:00:00	♂	16°12'01" ♏	04°49'19"	-01°40'39"	-00°09'33"	0.471
02/11/2020 00:00:00	♃	21°11'00" ♎	-22°12'41"	-00°26'53"	00°08'32"	5.350
02/11/2020 00:00:00	♃	26°16'15" ♎	-21°13'39"	-00°20'19"	00°03'15"	10.186
02/11/2020 00:00:00	♃	08°37'43" ♏	13°55'49"	-00°28'16"	-00°02'28"	18.788
02/11/2020 00:00:00	♃	18°21'53" ♏	-05°37'16"	-01°06'30"	-00°00'52"	29.303
02/11/2020 00:00:00	♃	22°41'08" ♎	-22°38'30"	-01°07'42"	00°00'49"	34.435
02/11/2020 00:00:00	♁	20°23'47" ♏	23°05'21"	00°00'00"	-00°04'00"	0.003
02/11/2020 00:00:00	♁	05°46'19" ♏	04°48'23"	02°44'18"	-00°02'06"	18.035
02/11/2020 00:00:00	♁	01°17'51" ♏	08°10'52"	-03°59'17"	00°06'41"	0.003
02/11/2020 00:00:00	T♁	20°23'47" ♏	23°05'21"	00°00'00"	-00°04'00"	0.003
02/11/2020 00:00:00	T♁	06°03'36" ♏	10°07'29"	-03°36'56"	03°32'32"	0.003
02/11/2020 00:00:00	X	23°50'34" ♏	-01°37'59"	-11°41'33"	-00°00'34"	95.016
02/11/2020 00:00:00	Y	28°16'39" ♏	08°01'08"	-12°02'22"	-00°00'35"	83.481
03/11/2020 00:00:00	♃	11°01'23" ♏	-15°07'59"	-00°00'00"	01°00'04"	0.992
03/11/2020 00:00:00	♃	06°58'05" ♏	20°17'11"	-01°12'05"	11°57'52"	0.003
03/11/2020 00:00:00	♀	25°56'57" ♏	-08°34'46"	01°32'54"	-00°08'29"	0.792
03/11/2020 00:00:00	♀	07°12'11" ♏	-01°20'43"	01°38'48"	01°13'06"	1.283

Ephemerides year 2020

03/11/2020 00:00:00	♂	16°02'51" ♏	04°49'36"	-01°36'32"	-00°08'47"	0.475
03/11/2020 00:00:00	♃	21°19'37" ♏	-22°11'23"	-00°26'55"	00°08'40"	5.364
03/11/2020 00:00:00	♃	26°19'33" ♏	-21°13'05"	-00°20'22"	00°03'20"	10.202
03/11/2020 00:00:00	♃	08°35'15" ♏	13°55'02"	-00°28'15"	-00°02'28"	18.789
03/11/2020 00:00:00	♃	18°21'01" ♏	-05°37'34"	-01°06'29"	-00°00'50"	29.316
03/11/2020 00:00:00	♃	22°41'59" ♏	-22°38'25"	-01°07'46"	00°00'51"	34.452
03/11/2020 00:00:00	♁	20°20'49" ♏	23°05'08"	00°00'00"	-00°01'57"	0.003
03/11/2020 00:00:00	♃	05°44'14" ♏	04°47'25"	02°44'09"	-00°02'04"	18.045
03/11/2020 00:00:00	♃	01°24'32" ♏	08°13'41"	-03°58'43"	00°06'41"	0.003
03/11/2020 00:00:00	♁	20°20'49" ♏	23°05'08"	00°00'00"	-00°01'57"	0.003
03/11/2020 00:00:00	♃	09°41'21" ♏	11°30'22"	-03°22'46"	03°41'32"	0.003
03/11/2020 00:00:00	X	23°49'59" ♏	-01°38'07"	-11°41'29"	-00°00'34"	95.021
03/11/2020 00:00:00	Y	28°16'04" ♏	08°00'58"	-12°02'24"	-00°00'35"	83.476
04/11/2020 00:00:00	♃	12°01'28" ♏	-15°26'32"	-00°00'00"	01°00'06"	0.992
04/11/2020 00:00:00	♃	18°59'11" ♏	22°51'31"	-00°07'19"	12°04'45"	0.003
04/11/2020 00:00:00	♃	25°54'11" ♏	-08°23'15"	01°44'12"	00°02'53"	0.816
04/11/2020 00:00:00	♃	08°25'20" ♏	-01°48'31"	01°39'56"	01°13'11"	1.289
04/11/2020 00:00:00	♂	15°54'26" ♏	04°50'08"	-01°32'27"	-00°08'01"	0.479
04/11/2020 00:00:00	♃	21°28'22" ♏	-22°10'02"	-00°26'56"	00°08'48"	5.379

Ephemerides year 2020

04/11/2020 00:00:00	♃	26°22'56" ♁	-21°12'29"	-00°20'24"	00°03'25"	10.218
04/11/2020 00:00:00	♃	08°32'47" ♁	13°54'15"	-00°28'15"	-00°02'27"	18.790
04/11/2020 00:00:00	♃	18°20'12" ♁	-05°37'53"	-01°06'27"	-00°00'48"	29.330
04/11/2020 00:00:00	♃	22°42'52" ♁	-22°38'20"	-01°07'49"	00°00'53"	34.468
04/11/2020 00:00:00	♃	20°19'47" ♁	23°05'04"	00°00'00"	-00°00'10"	0.003
04/11/2020 00:00:00	♃	05°42'10" ♁	04°46'27"	02°43'59"	-00°02'02"	18.055
04/11/2020 00:00:00	♃	01°31'14" ♁	08°16'30"	-03°58'09"	00°06'41"	0.003
04/11/2020 00:00:00	♃	20°19'47" ♁	23°05'04"	00°00'00"	-00°00'10"	0.003
04/11/2020 00:00:00	♃	13°22'45" ♁	12°52'12"	-03°07'33"	03°38'49"	0.003
04/11/2020 00:00:00	X	23°49'25" ♁	-01°38'15"	-11°41'24"	-00°00'34"	95.026
04/11/2020 00:00:00	Y	28°15'28" ♁	08°00'48"	-12°02'27"	-00°00'35"	83.470
05/11/2020 00:00:00	♃	13°01'35" ♁	-15°44'49"	-00°00'00"	01°00'08"	0.991
05/11/2020 00:00:00	♃	01°08'37" ♁	24°24'34" ♁	00°58'39"	12°14'40"	0.003
05/11/2020 00:00:00	♃	26°02'34" ♁	-08°17'26"	01°53'40"	00°13'45"	0.841
05/11/2020 00:00:00	♃	09°38'33" ♁	-02°16'20"	01°40'58"	01°13'15"	1.294
05/11/2020 00:00:00	♃	15°46'48" ♁	04°50'56"	-01°28'25"	-00°07'14"	0.484
05/11/2020 00:00:00	♃	21°37'15" ♁	-22°08'40"	-00°26'58"	00°08'56"	5.393
05/11/2020 00:00:00	♃	26°26'24" ♁	-21°11'52"	-00°20'27"	00°03'30"	10.234
05/11/2020 00:00:00	♃	08°30'19" ♁	13°53'28"	-00°28'14"	-00°02'27"	18.791

Ephemerides year 2020

05/11/2020 00:00:00	♁	18°19'24" ♏	-05°38'10"	-01°06'26"	-00°00'46"	29.344
05/11/2020 00:00:00	♁	22°43'46" ♏	-22°38'14"	-01°07'53"	00°00'54"	34.485
05/11/2020 00:00:00	♁	20°20'18" ♏	23°05'06"	00°00'00"	00°01'06"	0.003
05/11/2020 00:00:00	♁	05°40'09" ♏	04°45'30"	02°43'50"	-00°02'00"	18.066
05/11/2020 00:00:00	♁	01°37'55" ♏	08°19'19"	-03°57'35"	00°06'41"	0.003
05/11/2020 00:00:00	♁	20°20'18" ♏	23°05'06"	00°00'00"	00°01'06"	0.003
05/11/2020 00:00:00	♁	16°53'25" ♏	14°07'28"	-02°52'19"	03°19'29"	0.003
05/11/2020 00:00:00	X	23°48'51" ♏	-01°38'23"	-11°41'20"	-00°00'33"	95.032
05/11/2020 00:00:00	Y	28°14'52" ♏	08°00'39"	-12°02'29"	-00°00'36"	83.465
06/11/2020 00:00:00	♁	14°01'44" ♏	-16°02'51"	-00°00'00"	01°00'10"	0.991
06/11/2020 00:00:00	♁	13°29'43" ♏	24°47'35"	02°03'03"	12°28'06"	0.003
06/11/2020 00:00:00	♁	26°21'28" ♏	-08°17'03"	02°01'24"	00°23'55"	0.867
06/11/2020 00:00:00	♁	10°51'51" ♏	-02°44'09"	01°41'55"	01°13'20"	1.300
06/11/2020 00:00:00	♁	15°39'57" ♏	04°52'00"	-01°24'25"	-00°06'27"	0.489
06/11/2020 00:00:00	♁	21°46'15" ♏	-22°07'16"	-00°27'00"	00°09'04"	5.408
06/11/2020 00:00:00	♁	26°29'58" ♏	-21°11'14"	-00°20'30"	00°03'35"	10.249
06/11/2020 00:00:00	♁	08°27'51" ♏	13°52'42"	-00°28'13"	-00°02'27"	18.793
06/11/2020 00:00:00	♁	18°18'38" ♏	-05°38'27"	-01°06'24"	-00°00'45"	29.359
06/11/2020 00:00:00	♁	22°44'41" ♏	-22°38'08"	-01°07'56"	00°00'56"	34.502



Ephemerides year 2020

06/11/2020 00:00:00	♏	20°21'46" Ⅱ	23°05'12"	00°00'00"	00°01'42"	0.003
06/11/2020 00:00:00	♋	05°38'09" Ⅲr	04°44'34"	02°43'40"	-00°01'58"	18.077
06/11/2020 00:00:00	♌	01°44'37" Ⅳ	08°22'08"	-03°57'01"	00°06'41"	0.003
06/11/2020 00:00:00	T♏	20°21'46" Ⅱ	23°05'12"	00°00'00"	00°01'42"	0.003
06/11/2020 00:00:00	T♌	19°55'29" Ⅳ	15°10'16"	-02°38'38"	02°41'29"	0.003
06/11/2020 00:00:00	X	23°48'17" Ⅲr	-01°38'31"	-11°41'15"	-00°00'33"	95.038
06/11/2020 00:00:00	Y	28°14'16" Ⅳr	08°00'29"	-12°02'31"	-00°00'36"	83.460
07/11/2020 00:00:00	♁	15°01'55" Ⅴ	-16°20'37"	00°00'00"	01°00'12"	0.991
07/11/2020 00:00:00	♂	26°06'08" Ⅵ	23°55'11" 〇	03°02'53"	12°45'22"	0.003
07/11/2020 00:00:00	♎	26°50'09" Ⅶ	-08°21'42"	02°07'27"	00°33'17"	0.894
07/11/2020 00:00:00	♍	12°05'14" Ⅶ	-03°11'59"	01°42'47"	01°13'24"	1.306
07/11/2020 00:00:00	♊	15°33'54" Ⅲr	04°53'19"	-01°20'28"	-00°05'39"	0.493
07/11/2020 00:00:00	♉	21°55'23" Ⅲ	-22°05'50"	-00°27'02"	00°09'11"	5.422
07/11/2020 00:00:00	♈	26°33'36" Ⅲ	-21°10'35"	-00°20'32"	00°03'40"	10.265
07/11/2020 00:00:00	♏	08°25'24" Ⅳr	13°51'55"	-00°28'13"	-00°02'26"	18.795
07/11/2020 00:00:00	♎	18°17'54" Ⅴr	-05°38'43"	-01°06'23"	-00°00'43"	29.373
07/11/2020 00:00:00	♌	22°45'39" Ⅲ	-22°38'02"	-01°08'00"	00°00'58"	34.519
07/11/2020 00:00:00	♏	20°23'28" Ⅱ	23°05'20"	00°00'00"	00°01'32"	0.003
07/11/2020 00:00:00	♋	05°36'12" Ⅲr	04°43'38"	02°43'30"	-00°01'55"	18.088

Ephemerides year 2020

07/11/2020 00:00:00	☾	01°51'18" ♉	08°24'57"	-03°56'27"	00°06'41"	0.003
07/11/2020 00:00:00	♁	20°23'28" ♉	23°05'20"	00°00'00"	00°01'32"	0.003
07/11/2020 00:00:00	♁	22°10'21" ♉	15°55'18"	-02°28'12"	01°45'26"	0.003
07/11/2020 00:00:00	X	23°47'44" ♉	-01°38'38"	-11°41'11"	-00°00'33"	95.044
07/11/2020 00:00:00	Y	28°13'40" ♉	08°00'20"	-12°02'33"	-00°00'36"	83.456
08/11/2020 00:00:00	☉	16°02'08" ♉	-16°38'07"	00°00'00"	01°00'14"	0.991
08/11/2020 00:00:00	☾	09°01'43" ♉	21°46'24"	03°55'03"	13°06'24"	0.003
08/11/2020 00:00:00	♀	27°27'46" ♉	-08°30'57"	02°11'57"	00°41'46"	0.921
08/11/2020 00:00:00	♀	13°18'40" ♉	-03°39'48"	01°43'34"	01°13'28"	1.311
08/11/2020 00:00:00	♂	15°28'39" ♉	04°54'54"	-01°16'34"	-00°04'51"	0.498
08/11/2020 00:00:00	♃	22°04'39" ♉	-22°04'22"	-00°27'04"	00°09'19"	5.436
08/11/2020 00:00:00	♃	26°37'20" ♉	-21°09'55"	-00°20'35"	00°03'46"	10.281
08/11/2020 00:00:00	♃	08°22'58" ♉	13°51'09"	-00°28'12"	-00°02'26"	18.797
08/11/2020 00:00:00	♃	18°17'11" ♉	-05°38'58"	-01°06'22"	-00°00'41"	29.388
08/11/2020 00:00:00	♃	22°46'38" ♉	-22°37'56"	-01°08'03"	00°00'59"	34.535
08/11/2020 00:00:00	♁	20°24'38" ♉	23°05'25"	00°00'00"	00°00'43"	0.003
08/11/2020 00:00:00	♃	05°34'18" ♉	04°42'43"	02°43'20"	-00°01'53"	18.099
08/11/2020 00:00:00	☾	01°58'00" ♉	08°27'46"	-03°55'53"	00°06'41"	0.003
08/11/2020 00:00:00	♁	20°24'38" ♉	23°05'25"	00°00'00"	00°00'43"	0.003

Ephemerides year 2020

08/11/2020 00:00:00	T♄	23°21'38" ♂	16°18'34"	-02°22'36"	00°35'22"	0.003
08/11/2020 00:00:00	X	23°47'11" ♀	-01°38'46"	-11°41'06"	-00°00'33"	95.050
08/11/2020 00:00:00	Y	28°13'03" ♂	08°00'10"	-12°02'35"	-00°00'36"	83.452
09/11/2020 00:00:00	☉	17°02'24" ♉	-16°55'20"	00°00'00"	01°00'16"	0.991
09/11/2020 00:00:00	☾	22°20'01" ♋	18°24'55"	04°36'14"	13°30'38"	0.003
09/11/2020 00:00:00	♀	28°13'25" ♋	-08°44'19"	02°15'00"	00°49'22"	0.948
09/11/2020 00:00:00	♀	14°32'10" ♋	-04°07'35"	01°44'15"	01°13'32"	1.317
09/11/2020 00:00:00	♂	15°24'11" ♀	04°56'44"	-01°12'43"	-00°04'03"	0.503
09/11/2020 00:00:00	♃	22°14'02" ♋	-22°02'53"	-00°27'05"	00°09'26"	5.450
09/11/2020 00:00:00	♅	26°41'08" ♋	-21°09'14"	-00°20'38"	00°03'50"	10.297
09/11/2020 00:00:00	♁	08°20'31" ♂	13°50'22"	-00°28'11"	-00°02'26"	18.799
09/11/2020 00:00:00	♃	18°16'31" ♋	-05°39'13"	-01°06'20"	-00°00'39"	29.402
09/11/2020 00:00:00	♁	22°47'38" ♋	-22°37'49"	-01°08'07"	00°01'01"	34.551
09/11/2020 00:00:00	♁	20°24'44" ♋	23°05'25"	00°00'00"	-00°00'35"	0.003
09/11/2020 00:00:00	♁	05°32'25" ♀	04°41'50"	02°43'10"	-00°01'51"	18.111
09/11/2020 00:00:00	♁	02°04'41" ♂	08°30'35"	-03°55'19"	00°06'41"	0.003
09/11/2020 00:00:00	T♁	20°24'44" ♋	23°05'25"	00°00'00"	-00°00'35"	0.003
09/11/2020 00:00:00	T♄	23°19'30" ♂	16°17'51"	-02°22'47"	-00°39'17"	0.003
09/11/2020 00:00:00	X	23°46'38" ♀	-01°38'53"	-11°41'01"	-00°00'32"	95.057

Ephemerides year 2020

09/11/2020 00:00:00	Y	28°12'26"	♎	08°00'01"	-12°02'37"	-00°00'36"	83.448
10/11/2020 00:00:00	☉	18°02'41"	♍	-17°12'16"	00°00'00"	01°00'18"	0.990
10/11/2020 00:00:00	☾	06°03'40"	♌	13°58'45"	05°03'10"	13°56'49"	0.002
10/11/2020 00:00:00	♀	29°06'13"	♋	-09°01'19"	02°16'46"	00°56'05"	0.975
10/11/2020 00:00:00	♀	15°45'45"	♋	-04°35'21"	01°44'52"	01°13'36"	1.323
10/11/2020 00:00:00	♂	15°20'32"	♏	04°58'50"	-01°08'55"	-00°03'15"	0.508
10/11/2020 00:00:00	♃	22°23'33"	♏	-22°01'22"	-00°27'07"	00°09'34"	5.464
10/11/2020 00:00:00	♄	26°45'02"	♏	-21°08'32"	-00°20'41"	00°03'55"	10.312
10/11/2020 00:00:00	♅	08°18'05"	♎	13°49'36"	-00°28'11"	-00°02'25"	18.802
10/11/2020 00:00:00	♆	18°15'52"	♏	-05°39'26"	-01°06'19"	-00°00'37"	29.417
10/11/2020 00:00:00	♁	22°48'41"	♏	-22°37'42"	-01°08'11"	00°01'02"	34.568
10/11/2020 00:00:00	♁	20°23'24"	♏	23°05'19"	00°00'00"	-00°02'03"	0.003
10/11/2020 00:00:00	♂	05°30'35"	♏	04°40'56"	02°43'00"	-00°01'48"	18.122
10/11/2020 00:00:00	♁	02°11'23"	♎	08°33'24"	-03°54'44"	00°06'41"	0.003
10/11/2020 00:00:00	T♁	20°23'24"	♏	23°05'19"	00°00'00"	-00°02'03"	0.003
10/11/2020 00:00:00	T♁	22°06'32"	♎	15°54'00"	-02°28'32"	-01°43'24"	0.003
10/11/2020 00:00:00	X	23°46'05"	♏	-01°39'00"	-11°40'56"	-00°00'32"	95.063
10/11/2020 00:00:00	Y	28°11'49"	♎	07°59'52"	-12°02'38"	-00°00'37"	83.444
11/11/2020 00:00:00	☉	19°03'00"	♍	-17°28'54"	00°00'00"	01°00'20"	0.990

Ephemerides year 2020

11/11/2020 00:00:00	♃	20°13'38" ♃	08°39'43"	05°12'49"	14°22'51"	0.002
11/11/2020 00:00:00	♆	00°05'20" ♃	-09°21'28"	02°17'20"	01°01'59"	1.001
11/11/2020 00:00:00	♀	16°59'23" ♃	-05°03'03"	01°45'23"	01°13'39"	1.328
11/11/2020 00:00:00	♂	15°17'41" ♃	05°01'11"	-01°05'11"	-00°02'26"	0.514
11/11/2020 00:00:00	♃	22°33'11" ♃	-21°59'49"	-00°27'09"	00°09'41"	5.478
11/11/2020 00:00:00	♃	26°49'00" ♃	-21°07'49"	-00°20'43"	00°04'00"	10.327
11/11/2020 00:00:00	♃	08°15'40" ♃	13°48'50"	-00°28'10"	-00°02'25"	18.805
11/11/2020 00:00:00	♃	18°15'15" ♃	-05°39'40"	-01°06'17"	-00°00'36"	29.432
11/11/2020 00:00:00	♃	22°49'44" ♃	-22°37'35"	-01°08'14"	00°01'04"	34.584
11/11/2020 00:00:00	♃	20°20'40" ♃	23°05'08"	00°00'00"	-00°03'22"	0.003
11/11/2020 00:00:00	♃	05°28'48" ♃	04°40'04"	02°42'49"	-00°01'46"	18.134
11/11/2020 00:00:00	♃	02°18'04" ♃	08°36'13"	-03°54'10"	00°06'41"	0.003
11/11/2020 00:00:00	♃	20°20'40" ♃	23°05'08"	00°00'00"	-00°03'22"	0.003
11/11/2020 00:00:00	♃	20°01'33" ♃	15°12'15"	-02°38'14"	-02°21'15"	0.003
11/11/2020 00:00:00	X	23°45'32" ♃	-01°39'07"	-11°40'51"	-00°00'32"	95.071
11/11/2020 00:00:00	Y	28°11'12" ♃	07°59'43"	-12°02'39"	-00°00'37"	83.441
12/11/2020 00:00:00	♃	20°03'21" ♃	-17°45'15"	00°00'00"	01°00'22"	0.990
12/11/2020 00:00:00	♃	04°48'25" ♃	02°43'29"	05°02'55"	14°45'58"	0.002
12/11/2020 00:00:00	♆	01°09'57" ♃	-09°44'20"	02°16'50"	01°07'06"	1.027

Ephemerides year 2020

12/11/2020 00:00:00	♀	18°13'04" ♄	-05°30'41"	01°45'49"	01°13'43"	1.334
12/11/2020 00:00:00	♂	15°15'39" ♏	05°03'49"	-01°01'29"	-00°01'38"	0.519
12/11/2020 00:00:00	♃	22°42'56" ♎	-21°58'14"	-00°27'11"	00°09'48"	5.491
12/11/2020 00:00:00	♅	26°53'03" ♎	-21°07'04"	-00°20'46"	00°04'05"	10.343
12/11/2020 00:00:00	♁	08°13'15" ♏	13°48'04"	-00°28'09"	-00°02'24"	18.809
12/11/2020 00:00:00	♃	18°14'40" ♏	-05°39'52"	-01°06'16"	-00°00'34"	29.448
12/11/2020 00:00:00	♁	22°50'49" ♎	-22°37'28"	-01°08'18"	00°01'05"	34.600
12/11/2020 00:00:00	♁	20°16'50" ♏	23°04'51"	00°00'00"	-00°04'11"	0.003
12/11/2020 00:00:00	♃	05°27'02" ♏	04°39'13"	02°42'39"	-00°01'43"	18.146
12/11/2020 00:00:00	♁	02°24'45" ♏	08°39'01"	-03°53'35"	00°06'41"	0.003
12/11/2020 00:00:00	♁	20°16'50" ♏	23°04'51"	00°00'00"	-00°04'11"	0.003
12/11/2020 00:00:00	♁	17°34'50" ♏	14°21'51"	-02°49'21"	-02°27'16"	0.003
12/11/2020 00:00:00	X	23°45'00" ♏	-01°39'13"	-11°40'45"	-00°00'32"	95.078
12/11/2020 00:00:00	Y	28°10'35" ♏	07°59'34"	-12°02'41"	-00°00'37"	83.437
13/11/2020 00:00:00	♁	21°03'44" ♏	-18°01'17"	00°00'00"	01°00'24"	0.990
13/11/2020 00:00:00	♁	19°43'35" ♄	-03°30'21"	04°32'35"	15°03'06"	0.002
13/11/2020 00:00:00	♁	02°19'19" ♏	-10°09'29"	02°15'24"	01°11'32"	1.052
13/11/2020 00:00:00	♀	19°26'49" ♄	-05°58'15"	01°46'10"	01°13'46"	1.339
13/11/2020 00:00:00	♂	15°14'25" ♏	05°06'41"	-00°57'52"	-00°00'49"	0.525

Ephemerides year 2020

13/11/2020 00:00:00	♃	22°52'48" ♁	-21°56'38"	-00°27'13"	00°09'55"	5.505
13/11/2020 00:00:00	♅	26°57'11" ♁	-21°06'19"	-00°20'49"	00°04'10"	10.358
13/11/2020 00:00:00	♁	08°10'51" ♁	13°47'19"	-00°28'08"	-00°02'23"	18.813
13/11/2020 00:00:00	♆	18°14'06" ♁	-05°40'04"	-01°06'14"	-00°00'32"	29.463
13/11/2020 00:00:00	♁	22°51'56" ♁	-22°37'20"	-01°08'21"	00°01'07"	34.616
13/11/2020 00:00:00	♁	20°12'29" ♁	23°04'32"	00°00'00"	-00°04'21"	0.003
13/11/2020 00:00:00	♁	05°25'20" ♁	04°38'22"	02°42'28"	-00°01'41"	18.159
13/11/2020 00:00:00	♁	02°31'27" ♁	08°41'50"	-03°53'00"	00°06'41"	0.003
13/11/2020 00:00:00	♁	20°12'29" ♁	23°04'32"	00°00'00"	-00°04'21"	0.003
13/11/2020 00:00:00	♁	15°14'14" ♁	13°32'12"	-02°59'45"	-02°11'51"	0.003
13/11/2020 00:00:00	X	23°44'28" ♁	-01°39'20"	-11°40'40"	-00°00'31"	95.086
13/11/2020 00:00:00	Y	28°09'58" ♁	07°59'25"	-12°02'42"	-00°00'37"	83.435
14/11/2020 00:00:00	♁	22°04'09" ♁	-18°17'00"	00°00'00"	01°00'25"	0.989
14/11/2020 00:00:00	♁	04°51'46" ♁	-09°38'16"	03°42'55"	15°11'39"	0.002
14/11/2020 00:00:00	♁	03°32'48" ♁	-10°36'32"	02°13'08"	01°15'19"	1.077
14/11/2020 00:00:00	♁	20°40'38" ♁	-06°25'44"	01°46'26"	01°13'50"	1.345
14/11/2020 00:00:00	♁	15°14'00" ♁	05°09'49"	-00°54'17"	-00°00'01"	0.530
14/11/2020 00:00:00	♃	23°02'47" ♁	-21°54'59"	-00°27'15"	00°10'02"	5.519
14/11/2020 00:00:00	♅	27°01'24" ♁	-21°05'33"	-00°20'51"	00°04'15"	10.373

Ephemerides year 2020

14/11/2020 00:00:00	♃	08°08'28" ♂	13°46'34"	-00°28'07"	-00°02'22"	18.817
14/11/2020 00:00:00	♃	18°13'35" ♀	-05°40'14"	-01°06'13"	-00°00'30"	29.479
14/11/2020 00:00:00	♃	22°53'04" ♀	-22°37'12"	-01°08'25"	00°01'09"	34.631
14/11/2020 00:00:00	♃	20°08'21" ♀	23°04'13"	00°00'00"	-00°03'48"	0.003
14/11/2020 00:00:00	♃	05°23'40" ♀	04°37'33"	02°42'17"	-00°01'38"	18.171
14/11/2020 00:00:00	♃	02°38'08" ♂	08°44'39"	-03°52'25"	00°06'41"	0.003
14/11/2020 00:00:00	♃	20°08'21" ♀	23°04'13"	00°00'00"	-00°03'48"	0.003
14/11/2020 00:00:00	♃	13°11'46" ♂	12°47'54"	-03°08'38"	-01°54'17"	0.003
14/11/2020 00:00:00	X	23°43'56" ♀	-01°39'26"	-11°40'34"	-00°00'31"	95.094
14/11/2020 00:00:00	Y	28°09'20" ♂	07°59'16"	-12°02'43"	-00°00'37"	83.432
15/11/2020 00:00:00	♃	23°04'36" ♀	-18°32'24"	00°00'00"	01°00'27"	0.989
15/11/2020 00:00:00	♃	20°03'31" ♀	-15°13'40"	02°37'18"	15°10'08"	0.002
15/11/2020 00:00:00	♃	04°49'47" ♀	-11°05'09"	02°10'07"	01°18'33"	1.100
15/11/2020 00:00:00	♃	21°54'29" ♀	-06°53'07"	01°46'37"	01°13'53"	1.350
15/11/2020 00:00:00	♃	15°14'22" ♀	05°13'12"	-00°50'47"	00°00'47"	0.536
15/11/2020 00:00:00	♃	23°12'54" ♀	-21°53'19"	-00°27'17"	00°10'09"	5.532
15/11/2020 00:00:00	♃	27°05'41" ♀	-21°04'46"	-00°20'54"	00°04'20"	10.388
15/11/2020 00:00:00	♃	08°06'06" ♂	13°45'48"	-00°28'07"	-00°02'21"	18.821
15/11/2020 00:00:00	♃	18°13'06" ♀	-05°40'24"	-01°06'11"	-00°00'28"	29.494



Ephemerides year 2020

15/11/2020 00:00:00	♁	22°54'14" ♁	-22°37'04"	-01°08'28"	00°01'10"	34.647
15/11/2020 00:00:00	♁	20°05'04" ♁	23°03'59"	00°00'00"	-00°02'42"	0.003
15/11/2020 00:00:00	♁	05°22'03" ♁	04°36'44"	02°42'06"	-00°01'35"	18.184
15/11/2020 00:00:00	♁	02°44'49" ♁	08°47'27"	-03°51'50"	00°06'41"	0.003
15/11/2020 00:00:00	♁	20°05'04" ♁	23°03'59"	00°00'00"	-00°02'42"	0.003
15/11/2020 00:00:00	♁	11°20'56" ♁	12°06'56"	-03°16'37"	-01°50'29"	0.003
15/11/2020 00:00:00	X	23°43'24" ♁	-01°39'32"	-11°40'29"	-00°00'31"	95.102
15/11/2020 00:00:00	Y	28°08'43" ♁	07°59'08"	-12°02'43"	-00°00'37"	83.430
16/11/2020 00:00:00	♁	24°05'05" ♁	-18°47'29"	-00°00'00"	01°00'29"	0.989
16/11/2020 00:00:00	♁	05°08'45" ♁	-19°49'37"	01°21'00"	14°58'46"	0.002
16/11/2020 00:00:00	♁	06°09'45" ♁	-11°35'00"	02°06'27"	01°21'17"	1.123
16/11/2020 00:00:00	♁	23°08'24" ♁	-07°20'22"	01°46'43"	01°13'56"	1.355
16/11/2020 00:00:00	♁	15°15'34" ♁	05°16'51"	-00°47'20"	00°01'35"	0.542
16/11/2020 00:00:00	♁	23°23'07" ♁	-21°51'37"	-00°27'19"	00°10'16"	5.545
16/11/2020 00:00:00	♁	27°10'04" ♁	-21°03'57"	-00°20'57"	00°04'24"	10.403
16/11/2020 00:00:00	♁	08°03'45" ♁	13°45'04"	-00°28'06"	-00°02'20"	18.826
16/11/2020 00:00:00	♁	18°12'38" ♁	-05°40'34"	-01°06'09"	-00°00'26"	29.510
16/11/2020 00:00:00	♁	22°55'26" ♁	-22°36'55"	-01°08'32"	00°01'12"	34.662
16/11/2020 00:00:00	♁	20°03'02" ♁	23°03'49"	00°00'00"	-00°01'20"	0.003

Ephemerides year 2020

16/11/2020 00:00:00	♄	05°20'28" ♀	04°35'57"	02°41'56"	-00°01'33"	18.197
16/11/2020 00:00:00	♁	02°51'31" ♂	08°50'16"	-03°51'15"	00°06'41"	0.003
16/11/2020 00:00:00	♁	20°03'02" ♀	23°03'49"	00°00'00"	-00°01'20"	0.003
16/11/2020 00:00:00	♁	09°24'21" ♂	11°23'00"	-03°24'57"	-02°05'35"	0.003
16/11/2020 00:00:00	X	23°42'53" ♀	-01°39'38"	-11°40'23"	-00°00'30"	95.110
16/11/2020 00:00:00	Y	28°08'05" ♂	07°58'59"	-12°02'44"	-00°00'37"	83.428
17/11/2020 00:00:00	♁	25°05'35" ♀	-19°02'13"	-00°00'00"	01°00'30"	0.989
17/11/2020 00:00:00	♁	19°58'21" ♂	-23°03'06"	00°00'22"	14°39'16"	0.002
17/11/2020 00:00:00	♁	07°32'13" ♀	-12°05'48"	02°02'13"	01°23'35"	1.146
17/11/2020 00:00:00	♁	24°22'22" ♀	-07°47'30"	01°46'44"	01°13'59"	1.361
17/11/2020 00:00:00	♁	15°17'33" ♀	05°20'44"	-00°43'56"	00°02'22"	0.548
17/11/2020 00:00:00	♁	23°33'27" ♂	-21°49'53"	-00°27'21"	00°10'23"	5.558
17/11/2020 00:00:00	♁	27°14'31" ♂	-21°03'08"	-00°21'00"	00°04'29"	10.418
17/11/2020 00:00:00	♁	08°01'25" ♂	13°44'19"	-00°28'05"	-00°02'19"	18.831
17/11/2020 00:00:00	♁	18°12'13" ♀	-05°40'42"	-01°06'08"	-00°00'24"	29.526
17/11/2020 00:00:00	♁	22°56'39" ♂	-22°36'47"	-01°08'36"	00°01'13"	34.678
17/11/2020 00:00:00	♁	20°02'22" ♀	23°03'47"	00°00'00"	-00°00'00"	0.003
17/11/2020 00:00:00	♁	05°18'56" ♀	04°35'10"	02°41'45"	-00°01'30"	18.211
17/11/2020 00:00:00	♁	02°58'12" ♂	08°53'04"	-03°50'40"	00°06'41"	0.003

Ephemerides year 2020

17/11/2020 00:00:00	T♄	20°02'22" ♀	23°03'47"	00°00'00"	-00°00'00"	0.003
17/11/2020 00:00:00	T♄	07°05'38" ♂	10°29'45"	-03°34'39"	-02°32'42"	0.003
17/11/2020 00:00:00	X	23°42'23" ♀	-01°39'43"	-11°40'17"	-00°00'30"	95.119
17/11/2020 00:00:00	Y	28°07'27" ♂	07°58'51"	-12°02'44"	-00°00'37"	83.427
18/11/2020 00:00:00	☉	26°06'06" ♀	-19°16'37"	-00°00'00"	01°00'32"	0.989
18/11/2020 00:00:00	☾	04°25'31" ♂	-24°40'08"	-01°18'25"	14°14'23"	0.002
18/11/2020 00:00:00	♃	08°56'48" ♀	-12°37'19"	01°57'29"	01°25'31"	1.167
18/11/2020 00:00:00	♀	25°36'23" ♀	-08°14'30"	01°46'40"	01°14'02"	1.366
18/11/2020 00:00:00	♂	15°20'19" ♀	05°24'53"	-00°40'37"	00°03'10"	0.554
18/11/2020 00:00:00	♃	23°43'53" ♂	-21°48'08"	-00°27'23"	00°10'29"	5.571
18/11/2020 00:00:00	♅	27°19'03" ♂	-21°02'17"	-00°21'02"	00°04'33"	10.432
18/11/2020 00:00:00	♁	07°59'05" ♂	13°43'35"	-00°28'04"	-00°02'18"	18.836
18/11/2020 00:00:00	♃	18°11'50" ♀	-05°40'50"	-01°06'06"	-00°00'22"	29.542
18/11/2020 00:00:00	♁	22°57'53" ♂	-22°36'38"	-01°08'39"	00°01'15"	34.693
18/11/2020 00:00:00	♁	20°02'55" ♀	23°03'49"	00°00'00"	00°01'00"	0.003
18/11/2020 00:00:00	♃	05°17'28" ♀	04°34'25"	02°41'33"	-00°01'27"	18.224
18/11/2020 00:00:00	♃	03°04'54" ♂	08°55'53"	-03°50'05"	00°06'41"	0.003
18/11/2020 00:00:00	T♄	20°02'55" ♀	23°03'49"	00°00'00"	00°01'00"	0.003
18/11/2020 00:00:00	T♄	04°20'13" ♂	09°25'06"	-03°45'47"	-02°55'53"	0.003

Ephemerides year 2020

18/11/2020 00:00:00	X	23°41'53" $\Upsilon$ r	-01°39'48"	-11°40'11"	-00°00'30"	95.128
18/11/2020 00:00:00	Y	28°06'50" $\Upsilon$ r	07°58'43"	-12°02'45"	-00°00'37"	83.425
19/11/2020 00:00:00	$\odot$	27°06'39" $\mu$	-19°30'40"	-00°00'00"	01°00'33"	0.988
19/11/2020 00:00:00	$\odot$	18°26'21" $\zeta$	-24°38'47"	-02°30'08"	13°47'06"	0.003
19/11/2020 00:00:00	$\text{♀}$	10°23'09" $\mu$	-13°09'19"	01°52'20"	01°27'07"	1.187
19/11/2020 00:00:00	$\text{♀}$	26°50'27" $\text{♁}$	-08°41'20"	01°46'31"	01°14'04"	1.371
19/11/2020 00:00:00	$\text{♂}$	15°23'53" $\Upsilon$	05°29'16"	-00°37'21"	00°03'56"	0.560
19/11/2020 00:00:00	$\text{♃}$	23°54'27" $\zeta$	-21°46'20"	-00°27'25"	00°10'36"	5.584
19/11/2020 00:00:00	$\text{♃}$	27°23'39" $\zeta$	-21°01'26"	-00°21'05"	00°04'38"	10.447
19/11/2020 00:00:00	$\text{♃}$	07°56'47" $\Upsilon$ r	13°42'52"	-00°28'03"	-00°02'17"	18.842
19/11/2020 00:00:00	$\text{♃}$	18°11'28" $\text{♃}$ r	-05°40'57"	-01°06'05"	-00°00'20"	29.558
19/11/2020 00:00:00	$\text{♃}$	22°59'09" $\zeta$	-22°36'29"	-01°08'43"	00°01'16"	34.708
19/11/2020 00:00:00	$\text{♁}$	20°04'14" $\text{♁}$	23°03'55"	00°00'00"	00°01'31"	0.003
19/11/2020 00:00:00	$\text{♃}$	05°16'01" $\Upsilon$ r	04°33'41"	02°41'22"	-00°01'24"	18.238
19/11/2020 00:00:00	$\text{♃}$	03°11'35" $\Upsilon$ r	08°58'41"	-03°49'29"	00°06'41"	0.003
19/11/2020 00:00:00	T $\text{♁}$	20°04'14" $\text{♁}$	23°03'55"	00°00'00"	00°01'31"	0.003
19/11/2020 00:00:00	T $\text{♃}$	01°20'54" $\Upsilon$ r	08°13'50"	-03°57'14"	-02°58'12"	0.003
19/11/2020 00:00:00	X	23°41'23" $\Upsilon$ r	-01°39'53"	-11°40'05"	-00°00'29"	95.137
19/11/2020 00:00:00	Y	28°06'12" $\Upsilon$ r	07°58'35"	-12°02'45"	-00°00'37"	83.424

Ephemerides year 2020

20/11/2020 00:00:00	☉	28°07'13" ♍	-19°44'22"	-00°00'00"	01°00'34"	0.988
20/11/2020 00:00:00	☾	01°59'50" ♋	-23°08'20"	-03°31'02"	13°20'04"	0.003
20/11/2020 00:00:00	♀	11°50'58" ♍	-13°41'37"	01°46'48"	01°28'27"	1.207
20/11/2020 00:00:00	♀	28°04'33" ♋	-09°08'01"	01°46'17"	01°14'07"	1.376
20/11/2020 00:00:00	♂	15°28'13" ♏	05°33'53"	-00°34'08"	00°04'42"	0.566
20/11/2020 00:00:00	♋	24°05'06" ♁	-21°44'31"	-00°27'27"	00°10'42"	5.597
20/11/2020 00:00:00	♌	27°28'19" ♁	-21°00'34"	-00°21'08"	00°04'42"	10.461
20/11/2020 00:00:00	♍	07°54'31" ♏	13°42'08"	-00°28'02"	-00°02'16"	18.848
20/11/2020 00:00:00	♎	18°11'09" ♏	-05°41'03"	-01°06'03"	-00°00'18"	29.574
20/11/2020 00:00:00	♏	23°00'26" ♁	-22°36'19"	-01°08'47"	00°01'18"	34.723
20/11/2020 00:00:00	♐	20°05'47" ♏	23°04'02"	00°00'00"	00°01'29"	0.003
20/11/2020 00:00:00	♑	05°14'38" ♏	04°32'57"	02°41'11"	-00°01'21"	18.252
20/11/2020 00:00:00	♒	03°18'17" ♏	09°01'30"	-03°48'53"	00°06'41"	0.003
20/11/2020 00:00:00	♓	20°05'47" ♏	23°04'02"	00°00'00"	00°01'29"	0.003
20/11/2020 00:00:00	♈	28°33'24" ♏	07°06'17"	-04°07'19"	-02°32'15"	0.003
20/11/2020 00:00:00	♉	23°40'53" ♏	-01°39'58"	-11°39'59"	-00°00'29"	95.147
20/11/2020 00:00:00	♊	28°05'35" ♏	07°58'27"	-12°02'45"	-00°00'37"	83.424
21/11/2020 00:00:00	☉	29°07'49" ♍	-19°57'43"	-00°00'00"	01°00'35"	0.988
21/11/2020 00:00:00	☾	15°07'15" ♋	-20°25'02"	-04°18'47"	12°55'16"	0.003

Ephemerides year 2020

21/11/2020 00:00:00	♀	13°19'59" ♍	-14°14'03"	01°40'57"	01°29'33"	1.225
21/11/2020 00:00:00	♀	29°18'42" ♋	-09°34'30"	01°45'59"	01°14'09"	1.381
21/11/2020 00:00:00	♂	15°33'18" ♏	05°38'45"	-00°31'00"	00°05'27"	0.573
21/11/2020 00:00:00	♋	24°15'52" ♎	-21°42'40"	-00°27'29"	00°10'48"	5.610
21/11/2020 00:00:00	♌	27°33'04" ♎	-20°59'40"	-00°21'11"	00°04'46"	10.475
21/11/2020 00:00:00	♍	07°52'15" ♎	13°41'26"	-00°28'01"	-00°02'15"	18.854
21/11/2020 00:00:00	♎	18°10'52" ♏	-05°41'08"	-01°06'01"	-00°00'16"	29.591
21/11/2020 00:00:00	♏	23°01'45" ♎	-22°36'10"	-01°08'50"	00°01'19"	34.737
21/11/2020 00:00:00	♐	20°07'04" ♏	23°04'08"	00°00'00"	00°00'59"	0.003
21/11/2020 00:00:00	♑	05°13'18" ♏	04°32'15"	02°41'00"	-00°01'19"	18.266
21/11/2020 00:00:00	♒	03°24'58" ♎	09°04'18"	-03°48'18"	00°06'41"	0.003
21/11/2020 00:00:00	T♏	20°07'04" ♏	23°04'08"	00°00'00"	00°00'59"	0.003
21/11/2020 00:00:00	T♑	26°23'45" ♏	06°13'28"	-04°14'41"	-01°44'32"	0.003
21/11/2020 00:00:00	X	23°40'24" ♏	-01°40'02"	-11°39'52"	-00°00'28"	95.156
21/11/2020 00:00:00	Y	28°04'57" ♎	07°58'20"	-12°02'45"	-00°00'37"	83.423
22/11/2020 00:00:00	☉	00°08'25" ♏	-20°10'41"	-00°00'00"	01°00'37"	0.988
22/11/2020 00:00:00	☾	27°51'33" ♏	-16°46'55"	-04°52'13"	12°34'00"	0.003
22/11/2020 00:00:00	♀	14°50'00" ♍	-14°46'27"	01°34'50"	01°30'27"	1.243
22/11/2020 00:00:00	♀	00°32'53" ♍	-10°00'48"	01°45'36"	01°14'12"	1.386

Ephemerides year 2020

22/11/2020 00:00:00	♂	15°39'08" ♏	05°43'51"	-00°27'55"	00°06'12"	0.579
22/11/2020 00:00:00	♃	24°26'43" ♏	-21°40'47"	-00°27'31"	00°10'54"	5.622
22/11/2020 00:00:00	♃	27°37'53" ♏	-20°58'46"	-00°21'13"	00°04'51"	10.489
22/11/2020 00:00:00	♃	07°50'01" ♏	13°40'43"	-00°28'00"	-00°02'13"	18.860
22/11/2020 00:00:00	♃	18°10'36" ♏	-05°41'12"	-01°06'00"	-00°00'14"	29.607
22/11/2020 00:00:00	♃	23°03'05" ♏	-22°36'00"	-01°08'54"	00°01'20"	34.752
22/11/2020 00:00:00	♁	20°07'40" ♏	23°04'10"	00°00'00"	00°00'10"	0.003
22/11/2020 00:00:00	♃	05°12'00" ♏	04°31'33"	02°40'48"	-00°01'16"	18.280
22/11/2020 00:00:00	♃	03°31'39" ♏	09°07'06"	-03°47'42"	00°06'41"	0.003
22/11/2020 00:00:00	♁	20°07'40" ♏	23°04'10"	00°00'00"	00°00'10"	0.003
22/11/2020 00:00:00	♃	25°06'51" ♏	05°41'58"	-04°18'50"	-00°49'12"	0.003
22/11/2020 00:00:00	X	23°39'55" ♏	-01°40'07"	-11°39'46"	-00°00'28"	95.166
22/11/2020 00:00:00	Y	28°04'19" ♏	07°58'12"	-12°02'44"	-00°00'37"	83.423
23/11/2020 00:00:00	♁	01°09'03" ♏	-20°23'17"	-00°00'00"	01°00'38"	0.987
23/11/2020 00:00:00	♃	10°16'40" ♏	-12°30'26"	-05°11'01"	12°16'56"	0.003
23/11/2020 00:00:00	♃	16°20'50" ♏	-15°18'41"	01°28'29"	01°31'10"	1.260
23/11/2020 00:00:00	♀	01°47'06" ♏	-10°26'53"	01°45'08"	01°14'14"	1.392
23/11/2020 00:00:00	♂	15°45'43" ♏	05°49'10"	-00°24'53"	00°06'56"	0.586
23/11/2020 00:00:00	♃	24°37'41" ♏	-21°38'52"	-00°27'33"	00°11'00"	5.635

Ephemerides year 2020

23/11/2020 00:00:00	♃	27°42'47" ♊	-20°57'51"	-00°21'16"	00°04'55"	10.503
23/11/2020 00:00:00	♃	07°47'47" ♊	13°40'01"	-00°27'59"	-00°02'12"	18.867
23/11/2020 00:00:00	♃	18°10'23" ♋	-05°41'16"	-01°05'58"	-00°00'12"	29.624
23/11/2020 00:00:00	♃	23°04'27" ♊	-22°35'50"	-01°08'58"	00°01'22"	34.766
23/11/2020 00:00:00	♃	20°07'23" ♋	23°04'09"	00°00'00"	-00°00'45"	0.003
23/11/2020 00:00:00	♃	05°10'45" ♋	04°30'53"	02°40'37"	-00°01'13"	18.294
23/11/2020 00:00:00	♃	03°38'20" ♊	09°09'54"	-03°47'06"	00°06'41"	0.003
23/11/2020 00:00:00	♃	20°07'23" ♋	23°04'09"	00°00'00"	-00°00'45"	0.003
23/11/2020 00:00:00	♃	24°43'33" ♋	05°32'26"	-04°20'02"	00°00'56"	0.003
23/11/2020 00:00:00	X	23°39'27" ♋	-01°40'11"	-11°39'39"	-00°00'28"	95.177
23/11/2020 00:00:00	Y	28°03'41" ♊	07°58'05"	-12°02'44"	-00°00'37"	83.423
24/11/2020 00:00:00	♃	02°09'42" ♋	-20°35'31"	-00°00'00"	01°00'39"	0.987
24/11/2020 00:00:00	♃	22°26'53" ♋	-07°49'20"	-05°15'22"	12°04'14"	0.003
24/11/2020 00:00:00	♃	17°52'19" ♋	-15°50'40"	01°21'57"	01°31'46"	1.276
24/11/2020 00:00:00	♃	03°01'22" ♋	-10°52'46"	01°44'36"	01°14'17"	1.397
24/11/2020 00:00:00	♃	15°53'00" ♋	05°54'42"	-00°21'55"	00°07'39"	0.592
24/11/2020 00:00:00	♃	24°48'45" ♊	-21°36'56"	-00°27'36"	00°11'06"	5.647
24/11/2020 00:00:00	♃	27°47'44" ♊	-20°56'55"	-00°21'19"	00°04'59"	10.517
24/11/2020 00:00:00	♃	07°45'36" ♊	13°39'20"	-00°27'58"	-00°02'10"	18.874



Ephemerides year 2020

24/11/2020 00:00:00	♁	18°10'11" ♈	-05°41'19"	-01°05'56"	-00°00'10"	29.640
24/11/2020 00:00:00	♁	23°05'49" ♈	-22°35'40"	-01°09'02"	00°01'23"	34.780
24/11/2020 00:00:00	♁	20°06'11" ♈	23°04'04"	00°00'00"	-00°01'36"	0.003
24/11/2020 00:00:00	♁	05°09'33" ♈	04°30'14"	02°40'25"	-00°01'10"	18.309
24/11/2020 00:00:00	♁	03°45'02" ♈	09°12'43"	-03°46'30"	00°06'41"	0.003
24/11/2020 00:00:00	♁	20°06'11" ♈	23°04'04"	00°00'00"	-00°01'36"	0.003
24/11/2020 00:00:00	♁	25°04'34" ♈	05°41'07"	-04°18'52"	00°38'43"	0.003
24/11/2020 00:00:00	X	23°38'59" ♈	-01°40'15"	-11°39'33"	-00°00'27"	95.187
24/11/2020 00:00:00	Y	28°03'04" ♈	07°57'58"	-12°02'43"	-00°00'37"	83.424
25/11/2020 00:00:00	♁	03°10'21" ♈	-20°47'22"	-00°00'00"	01°00'40"	0.987
25/11/2020 00:00:00	♁	04°26'34" ♈	-02°54'48"	-05°05'50"	11°55'46"	0.003
25/11/2020 00:00:00	♁	19°24'20" ♈	-16°22'16"	01°15'15"	01°32'14"	1.291
25/11/2020 00:00:00	♁	04°15'40" ♈	-11°18'24"	01°43'59"	01°14'19"	1.402
25/11/2020 00:00:00	♁	16°01'01" ♈	06°00'28"	-00°19'01"	00°08'21"	0.599
25/11/2020 00:00:00	♁	24°59'54" ♈	-21°34'57"	-00°27'38"	00°11'12"	5.659
25/11/2020 00:00:00	♁	27°52'46" ♈	-20°55'57"	-00°21'22"	00°05'03"	10.531
25/11/2020 00:00:00	♁	07°43'25" ♈	13°38'38"	-00°27'57"	-00°02'09"	18.881
25/11/2020 00:00:00	♁	18°10'02" ♈	-05°41'21"	-01°05'55"	-00°00'08"	29.657
25/11/2020 00:00:00	♁	23°07'13" ♈	-22°35'29"	-01°09'05"	00°01'24"	34.794

Ephemerides year 2020

25/11/2020 00:00:00	♏	20°04'15" ♀	23°03'55"	00°00'00"	-00°02'13"	0.003
25/11/2020 00:00:00	♋	05°08'25" ♀	04°29'36"	02°40'14"	-00°01'07"	18.323
25/11/2020 00:00:00	♌	03°51'43" ♂	09°15'31"	-03°45'54"	00°06'41"	0.003
25/11/2020 00:00:00	♏	20°04'15" ♀	23°03'55"	00°00'00"	-00°02'13"	0.003
25/11/2020 00:00:00	♌	25°56'13" ♀	06°02'20"	-04°16'03"	01°02'18"	0.003
25/11/2020 00:00:00	X	23°38'31" ♀	-01°40'18"	-11°39'26"	-00°00'27"	95.198
25/11/2020 00:00:00	Y	28°02'26" ♂	07°57'51"	-12°02'42"	-00°00'37"	83.425
26/11/2020 00:00:00	♁	04°11'02" ♂	-20°58'49"	-00°00'00"	01°00'41"	0.987
26/11/2020 00:00:00	♃	16°19'44" ♀	02°03'35"	-04°43'13"	11°51'09"	0.003
26/11/2020 00:00:00	♌	20°56'46" ♀	-16°53'25"	01°08'26"	01°32'36"	1.305
26/11/2020 00:00:00	♌	05°30'01" ♀	-11°43'48"	01°43'17"	01°14'21"	1.407
26/11/2020 00:00:00	♌	16°09'43" ♀	06°06'26"	-00°16'11"	00°09'02"	0.606
26/11/2020 00:00:00	♉	25°11'09" ♂	-21°32'57"	-00°27'40"	00°11'17"	5.671
26/11/2020 00:00:00	♌	27°57'51" ♂	-20°54'59"	-00°21'24"	00°05'07"	10.544
26/11/2020 00:00:00	♌	07°41'17" ♂	13°37'58"	-00°27'56"	-00°02'07"	18.889
26/11/2020 00:00:00	♌	18°09'55" ♀	-05°41'22"	-01°05'53"	-00°00'06"	29.674
26/11/2020 00:00:00	♌	23°08'38" ♂	-22°35'18"	-01°09'09"	00°01'25"	34.808
26/11/2020 00:00:00	♏	20°01'51" ♀	23°03'44"	00°00'00"	-00°02'30"	0.003
26/11/2020 00:00:00	♋	05°07'19" ♀	04°28'59"	02°40'02"	-00°01'04"	18.338














Ephemerides year 2020

26/11/2020 00:00:00	☾	03°58'24" ♀	09°18'19"	-03°45'17"	00°06'41"	0.003	
26/11/2020 00:00:00	♁	20°01'51" ♀	23°03'44"		00°00'00"	-00°02'30"	0.003
26/11/2020 00:00:00	♁	27°05'13" ♀	06°30'32"	-04°12'14"	01°14'07"	0.003	
26/11/2020 00:00:00	X	23°38'04" ♀	-01°40'21"	-11°39'19"	-00°00'27"	95.209	
26/11/2020 00:00:00	Y	28°01'48" ♀	07°57'44"	-12°02'41"	-00°00'37"	83.426	
27/11/2020 00:00:00	☉	05°11'45" ♀	-21°09'52"	-00°00'00"	01°00'42"	0.987	
27/11/2020 00:00:00	☾	28°10'00" ♀	06°56'53"	-04°08'35"	11°49'54"	0.003	
27/11/2020 00:00:00	♁	22°29'32" ♀	-17°24'01"	01°01'31"	01°32'54"	1.319	
27/11/2020 00:00:00	♀	06°44'24" ♀	-12°08'56"	01°42'32"	01°14'24"	1.411	
27/11/2020 00:00:00	♂	16°19'06" ♀	06°12'36"	-00°13'24"	00°09'43"	0.613	
27/11/2020 00:00:00	♃	25°22'30" ♀	-21°30'55"	-00°27'42"	00°11'23"	5.683	
27/11/2020 00:00:00	♃	28°03'01" ♀	-20°54'00"	-00°21'27"	00°05'11"	10.557	
27/11/2020 00:00:00	♃	07°39'10" ♀	13°37'18"	-00°27'54"	-00°02'06"	18.897	
27/11/2020 00:00:00	♃	18°09'49" ♀	-05°41'23"	-01°05'51"	-00°00'04"	29.691	
27/11/2020 00:00:00	♃	23°10'05" ♀	-22°35'07"	-01°09'13"	00°01'27"	34.821	
27/11/2020 00:00:00	♁	19°59'20" ♀	23°03'33"	00°00'00"	-00°02'27"	0.003	
27/11/2020 00:00:00	♃	05°06'16" ♀	04°28'24"	02°39'50"	-00°01'01"	18.353	
27/11/2020 00:00:00	☾	04°05'05" ♀	09°21'07"	-03°44'41"	00°06'41"	0.003	
27/11/2020 00:00:00	♁	19°59'20" ♀	23°03'33"		00°00'00"	-00°02'27"	0.003

Ephemerides year 2020

27/11/2020 00:00:00	T♄	28°22'31" ♀	07°01'57"	-04°07'52"	01°20'11"	0.003
27/11/2020 00:00:00	X	23°37'37" ♀	-01°40'25"	-11°39'12"	-00°00'26"	95.220
27/11/2020 00:00:00	Y	28°01'11" ♂	07°57'37"	-12°02'40"	-00°00'37"	83.427
28/11/2020 00:00:00	☉	06°12'28" ♂	-21°20'32"	-00°00'00"	01°00'43"	0.987
28/11/2020 00:00:00	☾	10°00'29" ♂	11°35'51"	-03°23'16"	11°51'30"	0.003
28/11/2020 00:00:00	♀	24°02'33" ♀	-17°54'00"	00°54'31"	01°33'07"	1.332
28/11/2020 00:00:00	♀	07°58'49" ♀	-12°33'48"	01°41'41"	01°14'26"	1.416
28/11/2020 00:00:00	♂	16°29'09" ♀	06°18'59"	-00°10'40"	00°10'23"	0.620
28/11/2020 00:00:00	♃	25°33'56" ♂	-21°28'51"	-00°27'44"	00°11'29"	5.695
28/11/2020 00:00:00	♄	28°08'14" ♂	-20°53'00"	-00°21'30"	00°05'15"	10.570
28/11/2020 00:00:00	♅	07°37'04" ♂	13°36'38"	-00°27'53"	-00°02'04"	18.905
28/11/2020 00:00:00	♆	18°09'46" ♀	-05°41'23"	-01°05'49"	-00°00'02"	29.708
28/11/2020 00:00:00	♇	23°11'33" ♂	-22°34'56"	-01°09'17"	00°01'28"	34.834
28/11/2020 00:00:00	♈	19°57'03" ♀	23°03'23"	00°00'00"	-00°02'05"	0.003
28/11/2020 00:00:00	♉	05°05'16" ♀	04°27'49"	02°39'38"	-00°00'58"	18.368
28/11/2020 00:00:00	♊	04°11'46" ♂	09°23'55"	-03°44'05"	00°06'41"	0.003
28/11/2020 00:00:00	T♈	19°57'03" ♀	23°03'23"	00°00'00"	-00°02'05"	0.003
28/11/2020 00:00:00	T♄	29°46'45" ♀	07°35'56"	-04°03'01"	01°29'44"	0.003
28/11/2020 00:00:00	X	23°37'11" ♀	-01°40'27"	-11°39'05"	-00°00'26"	95.231

Ephemerides year 2020

28/11/2020 00:00:00	Y	28°00'33" 	07°57'31"	-12°02'39"	-00°00'37"	83.429
29/11/2020 00:00:00		07°13'12" 	-21°30'47"	-00°00'00"	01°00'45"	0.986
29/11/2020 00:00:00		21°53'47" 	15°50'22"	-02°28'57"	11°55'27"	0.003
29/11/2020 00:00:00		25°35'46" 	-18°23'19"	00°47'28"	01°33'17"	1.344
29/11/2020 00:00:00		09°13'16" 	-12°58'23"	01°40'47"	01°14'28"	1.421
29/11/2020 00:00:00		16°39'52" 	06°25'33"	-00°08'00"	00°11'01"	0.627
29/11/2020 00:00:00		25°45'28" 	-21°26'45"	-00°27'47"	00°11'34"	5.706
29/11/2020 00:00:00		28°13'32" 	-20°51'59"	-00°21'33"	00°05'19"	10.583
29/11/2020 00:00:00		07°35'01" 	13°35'59"	-00°27'52"	-00°02'02"	18.913
29/11/2020 00:00:00		18°09'45" 	-05°41'21"	-01°05'48"	-00°00'00"	29.725
29/11/2020 00:00:00		23°13'02" 	-22°34'45"	-01°09'21"	00°01'29"	34.848
29/11/2020 00:00:00		19°55'14" 	23°03'14"	00°00'00"	-00°01'30"	0.003
29/11/2020 00:00:00		05°04'20" 	04°27'16"	02°39'26"	-00°00'55"	18.384
29/11/2020 00:00:00		04°18'27" 	09°26'43"	-03°43'28"	00°06'41"	0.003
29/11/2020 00:00:00	TΩ	19°55'14" 	23°03'14"	00°00'00"	-00°01'30"	0.003
29/11/2020 00:00:00	T♄	01°26'36" 	08°15'53"	-03°57'08"	01°52'56"	0.003
29/11/2020 00:00:00	X	23°36'45" 	-01°40'30"	-11°38'58"	-00°00'25"	95.243
29/11/2020 00:00:00	Y	27°59'56" 	07°57'24"	-12°02'37"	-00°00'37"	83.431
30/11/2020 00:00:00		08°13'58" 	-21°40'38"	-00°00'00"	01°00'46"	0.986

Ephemerides year 2020

30/11/2020 00:00:00	♃	03°52'04" ♀	19°29'08"	-01°27'40"	12°01'23"	0.003
30/11/2020 00:00:00	♆	27°09'08" ♀	-18°51'54"	00°40'23"	01°33'25"	1.355
30/11/2020 00:00:00	♀	10°27'46" ♀	-13°22'40"	01°39'48"	01°14'30"	1.426
30/11/2020 00:00:00	♂	16°51'13" ♂	06°32'18"	-00°05'24"	00°11'39"	0.634
30/11/2020 00:00:00	♃	25°57'05" ♀	-21°24'37"	-00°27'49"	00°11'39"	5.718
30/11/2020 00:00:00	♃	28°18'53" ♀	-20°50'57"	-00°21'36"	00°05'23"	10.596
30/11/2020 00:00:00	♃	07°32'59" ♂	13°35'21"	-00°27'51"	-00°02'01"	18.922
30/11/2020 00:00:00	♃	18°09'46" ♂	-05°41'19"	-01°05'46"	00°00'02"	29.742
30/11/2020 00:00:00	♃	23°14'33" ♀	-22°34'33"	-01°09'24"	00°01'31"	34.860
30/11/2020 00:00:00	♃	19°54'03" ♀	23°03'09"	00°00'00"	-00°00'50"	0.003
30/11/2020 00:00:00	♃	05°03'26" ♂	04°26'43"	02°39'15"	-00°00'51"	18.399
30/11/2020 00:00:00	♃	04°25'09" ♂	09°29'30"	-03°42'51"	00°06'41"	0.003
30/11/2020 00:00:00	♃	19°54'03" ♀	23°03'09"	00°00'00"	-00°00'50"	0.003
30/11/2020 00:00:00	♃	03°39'13" ♂	09°08'25"	-03°49'00"	02°35'30"	0.003
30/11/2020 00:00:00	X	23°36'20" ♂	-01°40'32"	-11°38'50"	-00°00'25"	95.254
30/11/2020 00:00:00	Y	27°59'19" ♂	07°57'18"	-12°02'36"	-00°00'37"	83.433
01/12/2020 00:00:00	♃	09°14'45" ♂	-21°50'05"	-00°00'00"	01°00'47"	0.986
01/12/2020 00:00:00	♃	15°57'10" ♀	22°20'03"	-00°21'49"	12°09'02"	0.003
01/12/2020 00:00:00	♆	28°42'37" ♀	-19°19'42"	00°33'18"	01°33'31"	1.366

Ephemerides year 2020

01/12/2020 00:00:00	♀	11°42'18" ♍	-13°46'38"	01°38'45"	01°14'32"	1.431
01/12/2020 00:00:00	♂	17°03'12" ♏	06°39'15"	-00°02'51"	00°12'17"	0.642
01/12/2020 00:00:00	♃	26°08'48" ♎	-21°22'28"	-00°27'51"	00°11'45"	5.729
01/12/2020 00:00:00	♅	28°24'18" ♎	-20°49'54"	-00°21'39"	00°05'26"	10.609
01/12/2020 00:00:00	♁	07°30'59" ♏	13°34'43"	-00°27'49"	-00°01'59"	18.931
01/12/2020 00:00:00	♃	18°09'49" ♏	-05°41'17"	-01°05'44"	00°00'04"	29.759
01/12/2020 00:00:00	♁	23°16'04" ♎	-22°34'22"	-01°09'28"	00°01'32"	34.873
01/12/2020 00:00:00	♁	19°53'33" ♏	23°03'07"	00°00'00"	-00°00'11"	0.003
01/12/2020 00:00:00	♁	05°02'36" ♏	04°26'13"	02°39'03"	-00°00'48"	18.415
01/12/2020 00:00:00	♁	04°31'50" ♏	09°32'18"	-03°42'14"	00°06'41"	0.003
01/12/2020 00:00:00	♁	19°53'33" ♏	23°03'07"	00°00'00"	-00°00'11"	0.003
01/12/2020 00:00:00	♁	06°42'41" ♏	10°19'58"	-03°37'09"	03°32'53"	0.003
01/12/2020 00:00:00	X	23°35'55" ♏	-01°40'34"	-11°38'43"	-00°00'24"	95.266
01/12/2020 00:00:00	Y	27°58'42" ♏	07°57'12"	-12°02'34"	-00°00'36"	83.436
02/12/2020 00:00:00	♁	10°15'34" ♏	-21°59'06"	-00°00'00"	01°00'48"	0.986
02/12/2020 00:00:00	♁	28°10'41" ♏	24°11'16"	00°45'48"	12°18'15"	0.003
02/12/2020 00:00:00	♁	00°16'10" ♏	-19°46'40"	00°26'13"	01°33'35"	1.376
02/12/2020 00:00:00	♀	12°56'51" ♍	-14°10'17"	01°37'38"	01°14'34"	1.436
02/12/2020 00:00:00	♂	17°15'47" ♏	06°46'22"	-00°00'21"	00°12'53"	0.649

Ephemerides year 2020

02/12/2020 00:00:00	♃	26°20'36" ♁	-21°20'16"	-00°27'54"	00°11'50"	5.740
02/12/2020 00:00:00	♅	28°29'47" ♁	-20°48'50"	-00°21'42"	00°05'30"	10.621
02/12/2020 00:00:00	♁	07°29'00" ♃	13°34'06"	-00°27'48"	-00°01'57"	18.940
02/12/2020 00:00:00	♆	18°09'54" ♃	-05°41'13"	-01°05'42"	00°00'06"	29.776
02/12/2020 00:00:00	♁	23°17'37" ♁	-22°34'10"	-01°09'32"	00°01'33"	34.886
02/12/2020 00:00:00	♁	19°53'39" ♁	23°03'07"	00°00'00"	00°00'20"	0.003
02/12/2020 00:00:00	♃	05°01'49" ♃	04°25'43"	02°38'51"	-00°00'45"	18.430
02/12/2020 00:00:00	♁	04°38'31" ♃	09°35'06"	-03°41'37"	00°06'41"	0.003
02/12/2020 00:00:00	♁♁	19°53'39" ♁	23°03'07"	00°00'00"	00°00'20"	0.003
02/12/2020 00:00:00	♁♃	10°44'58" ♃	11°52'12"	-03°20'31"	04°30'01"	0.003
02/12/2020 00:00:00	X	23°35'30" ♃	-01°40'36"	-11°38'36"	-00°00'24"	95.279
02/12/2020 00:00:00	Y	27°58'05" ♃	07°57'06"	-12°02'32"	-00°00'36"	83.439
03/12/2020 00:00:00	♁	11°16'23" ♃	-22°07'41"	-00°00'00"	01°00'50"	0.986
03/12/2020 00:00:00	♁	10°34'13" ♃	24°52'52" ♁	01°52'15"	12°29'04"	0.003
03/12/2020 00:00:00	♁	01°49'47" ♃	-20°12'46"	00°19'09"	01°33'38"	1.385
03/12/2020 00:00:00	♁	14°11'27" ♃	-14°33'36"	01°36'27"	01°14'36"	1.440
03/12/2020 00:00:00	♁	17°28'58" ♃	06°53'40"	00°02'04"	00°13'29"	0.656
03/12/2020 00:00:00	♃	26°32'28" ♁	-21°18'03"	-00°27'56"	00°11'55"	5.751
03/12/2020 00:00:00	♅	28°35'19" ♁	-20°47'45"	-00°21'44"	00°05'34"	10.634



Ephemerides year 2020

03/12/2020 00:00:00	♃	07°27'04" ♉	13°33'29"	-00°27'47"	-00°01'55"	18.950
03/12/2020 00:00:00	♃	18°10'02" ♉	-05°41'08"	-01°05'41"	00°00'08"	29.793
03/12/2020 00:00:00	♃	23°19'11" ♉	-22°33'57"	-01°09'36"	00°01'34"	34.898
03/12/2020 00:00:00	♃	19°54'10" ♉	23°03'09"	00°00'00"	00°00'40"	0.003
03/12/2020 00:00:00	♃	05°01'05" ♉	04°25'14"	02°38'38"	-00°00'42"	18.446
03/12/2020 00:00:00	♃	04°45'12" ♉	09°37'54"	-03°41'00"	00°06'41"	0.003
03/12/2020 00:00:00	♃	19°54'10" ♉	23°03'09"	00°00'00"	00°00'40"	0.003
03/12/2020 00:00:00	♃	15°36'22" ♉	13°39'08"	-02°59'08"	05°08'13"	0.003
03/12/2020 00:00:00	X	23°35'07" ♉	-01°40'38"	-11°38'28"	-00°00'23"	95.291
03/12/2020 00:00:00	Y	27°57'29" ♉	07°57'01"	-12°02'30"	-00°00'36"	83.442
04/12/2020 00:00:00	♃	12°17'14" ♉	-22°15'52"	00°00'00"	01°00'51"	0.986
04/12/2020 00:00:00	♃	23°09'23" ♉	24°18'50" ♃	02°54'20"	12°41'33"	0.003
04/12/2020 00:00:00	♃	03°23'27" ♉	-20°37'57"	00°12'07"	01°33'40"	1.393
04/12/2020 00:00:00	♃	15°26'05" ♉	-14°56'34"	01°35'12"	01°14'38"	1.445
04/12/2020 00:00:00	♃	17°42'45" ♉	07°01'08"	00°04'27"	00°14'03"	0.664
04/12/2020 00:00:00	♃	26°44'26" ♉	-21°15'48"	-00°27'59"	00°12'00"	5.762
04/12/2020 00:00:00	♃	28°40'55" ♉	-20°46'39"	-00°21'47"	00°05'37"	10.646
04/12/2020 00:00:00	♃	07°25'10" ♉	13°32'53"	-00°27'46"	-00°01'53"	18.959
04/12/2020 00:00:00	♃	18°10'11" ♉	-05°41'03"	-01°05'39"	00°00'10"	29.810

Ephemerides year 2020

04/12/2020 00:00:00	♁	23°20'46" ♁	-22°33'45"	-01°09'40"	00°01'35"	34.910
04/12/2020 00:00:00	♄	19°54'55" ♁	23°03'13"	00°00'00"	00°00'47"	0.003
04/12/2020 00:00:00	♆	05°00'24" ♁	04°24'47"	02°38'26"	-00°00'39"	18.462
04/12/2020 00:00:00	♁	04°51'54" ♁	09°40'42"	-03°40'23"	00°06'41"	0.003
04/12/2020 00:00:00	♄	19°54'55" ♁	23°03'13"	00°00'00"	00°00'47"	0.003
04/12/2020 00:00:00	♁	20°50'25" ♁	15°28'36"	-02°34'35"	05°13'45"	0.003
04/12/2020 00:00:00	♁	23°34'43" ♁	-01°40'39"	-11°38'20"	-00°00'23"	95.304
04/12/2020 00:00:00	♁	27°56'52" ♁	07°56'55"	-12°02'28"	-00°00'36"	83.445
05/12/2020 00:00:00	♁	13°18'06" ♁	-22°23'36"	00°00'00"	01°00'52"	0.985
05/12/2020 00:00:00	♁	05°57'56" ♁	22°28'20"	03°48'51"	12°55'50"	0.003
05/12/2020 00:00:00	♁	04°57'08" ♁	-21°02'11"	00°05'08"	01°33'42"	1.401
05/12/2020 00:00:00	♁	16°40'45" ♁	-15°19'10"	01°33'53"	01°14'40"	1.450
05/12/2020 00:00:00	♁	17°57'05" ♁	07°08'45"	00°06'46"	00°14'37"	0.671
05/12/2020 00:00:00	♁	26°56'29" ♁	-21°13'31"	-00°28'01"	00°12'05"	5.773
05/12/2020 00:00:00	♁	28°46'35" ♁	-20°45'33"	-00°21'50"	00°05'41"	10.658
05/12/2020 00:00:00	♁	07°23'17" ♁	13°32'18"	-00°27'44"	-00°01'51"	18.969
05/12/2020 00:00:00	♁	18°10'22" ♁	-05°40'57"	-01°05'37"	00°00'12"	29.828
05/12/2020 00:00:00	♁	23°22'23" ♁	-22°33'33"	-01°09'44"	00°01'36"	34.922
05/12/2020 00:00:00	♄	19°55'41" ♁	23°03'16"	00°00'00"	00°00'42"	0.003

Ephemerides year 2020

05/12/2020 00:00:00	♄	04°59'46" ♏	04°24'21"	02°38'14"	-00°00'36"	18.478
05/12/2020 00:00:00	♁	04°58'35" ♏	09°43'29"	-03°39'46"	00°06'41"	0.003
05/12/2020 00:00:00	♄♁	19°55'41" ♏	23°03'16"	00°00'00"	00°00'42"	0.003
05/12/2020 00:00:00	♄♁	25°51'17" ♏	17°06'56"	-02°09'49"	04°41'45"	0.003
05/12/2020 00:00:00	X	23°34'21" ♏	-01°40'40"	-11°38'13"	-00°00'22"	95.317
05/12/2020 00:00:00	Y	27°56'16" ♏	07°56'50"	-12°02'26"	-00°00'36"	83.449
06/12/2020 00:00:00	♁	14°18'59" ♏	-22°30'54"	00°00'00"	01°00'53"	0.985
06/12/2020 00:00:00	♃	19°01'40" ♏	19°25'50"	04°32'39"	13°11'55"	0.003
06/12/2020 00:00:00	♁	06°30'51" ♏	-21°25'26"	-00°01'47"	01°33'43"	1.409
06/12/2020 00:00:00	♁	17°55'27" ♏	-15°41'23"	01°32'30"	01°14'42"	1.454
06/12/2020 00:00:00	♁	18°12'00" ♏	07°16'32"	00°09'03"	00°15'11"	0.679
06/12/2020 00:00:00	♁	27°08'36" ♏	-21°11'13"	-00°28'04"	00°12'09"	5.783
06/12/2020 00:00:00	♁	28°52'18" ♏	-20°44'26"	-00°21'53"	00°05'44"	10.669
06/12/2020 00:00:00	♁	07°21'27" ♏	13°31'44"	-00°27'43"	-00°01'49"	18.980
06/12/2020 00:00:00	♁	18°10'36" ♏	-05°40'50"	-01°05'35"	00°00'14"	29.845
06/12/2020 00:00:00	♁	23°24'00" ♏	-22°33'20"	-01°09'48"	00°01'37"	34.933
06/12/2020 00:00:00	♁	19°56'18" ♏	23°03'19"	00°00'00"	00°00'29"	0.003
06/12/2020 00:00:00	♄	04°59'12" ♏	04°23'56"	02°38'02"	-00°00'32"	18.495
06/12/2020 00:00:00	♁	05°05'16" ♏	09°46'17"	-03°39'09"	00°06'41"	0.003

Ephemerides year 2020

06/12/2020 00:00:00	T♄	19°56'18" ♀	23°03'19"	00°00'00"	00°00'29"	0.003
06/12/2020 00:00:00	T♄	00°02'24" ♀	18°23'28"	-01°48'21"	03°35'19"	0.003
06/12/2020 00:00:00	X	23°33'58" ♀	-01°40'40"	-11°38'05"	-00°00'22"	95.330
06/12/2020 00:00:00	Y	27°55'40" ♂	07°56'45"	-12°02'23"	-00°00'36"	83.453
07/12/2020 00:00:00	♁	15°19'54" ♂	-22°37'46"	00°00'00"	01°00'55"	0.985
07/12/2020 00:00:00	♂	02°22'20" ♀	15°20'01"	05°02'49"	13°29'38"	0.003
07/12/2020 00:00:00	♀	08°04'35" ♂	-21°47'40"	-00°08'38"	01°33'45"	1.415
07/12/2020 00:00:00	♀	19°10'10" ♀	-16°03'13"	01°31'04"	01°14'44"	1.459
07/12/2020 00:00:00	♂	18°27'27" ♀	07°24'28"	00°11'16"	00°15'43"	0.687
07/12/2020 00:00:00	♃	27°20'48" ♀	-21°08'52"	-00°28'06"	00°12'14"	5.793
07/12/2020 00:00:00	♃	28°58'04" ♀	-20°43'17"	-00°21'56"	00°05'47"	10.681
07/12/2020 00:00:00	♃	07°19'38" ♂	13°31'10"	-00°27'41"	-00°01'47"	18.990
07/12/2020 00:00:00	♃	18°10'51" ♀	-05°40'43"	-01°05'34"	00°00'16"	29.862
07/12/2020 00:00:00	♃	23°25'39" ♀	-22°33'07"	-01°09'52"	00°01'38"	34.945
07/12/2020 00:00:00	♁	19°56'40" ♀	23°03'21"	00°00'00"	00°00'14"	0.003
07/12/2020 00:00:00	♃	04°58'41" ♀	04°23'32"	02°37'50"	-00°00'29"	18.511
07/12/2020 00:00:00	♃	05°11'57" ♂	09°49'04"	-03°38'31"	00°06'41"	0.003
07/12/2020 00:00:00	T♄	19°56'40" ♀	23°03'21"	00°00'00"	00°00'14"	0.003
07/12/2020 00:00:00	T♄	02°53'28" ♀	19°12'28"	-01°33'22"	02°03'42"	0.003

Ephemerides year 2020

07/12/2020 00:00:00	X	23°33'36" ♄	-01°40'41"	-11°37'57"	-00°00'21"	95.343
07/12/2020 00:00:00	Y	27°55'04" ♄	07°56'40"	-12°02'20"	-00°00'35"	83.457
08/12/2020 00:00:00	☉	16°20'50" ♄	-22°44'12"	00°00'00"	01°00'56"	0.985
08/12/2020 00:00:00	☾	16°01'19" ♄	10°22'33"	05°16'50"	13°48'25"	0.003
08/12/2020 00:00:00	♀	09°38'21" ♄	-22°08'51"	-00°15'24"	01°33'46"	1.421
08/12/2020 00:00:00	♀	20°24'55" ♄	-16°24'39"	01°29'34"	01°14'46"	1.463
08/12/2020 00:00:00	♂	18°43'27" ♄	07°32'33"	00°13'26"	00°16'15"	0.695
08/12/2020 00:00:00	♃	27°33'05" ♄	-21°06'30"	-00°28'09"	00°12'18"	5.804
08/12/2020 00:00:00	♅	29°03'53" ♄	-20°42'08"	-00°21'59"	00°05'51"	10.692
08/12/2020 00:00:00	♁	07°17'52" ♄	13°30'37"	-00°27'40"	-00°01'45"	19.001
08/12/2020 00:00:00	♃	18°11'09" ♄	-05°40'34"	-01°05'32"	00°00'18"	29.880
08/12/2020 00:00:00	♁	23°27'18" ♄	-22°32'54"	-01°09'56"	00°01'39"	34.956
08/12/2020 00:00:00	♁	19°56'47" ♄	23°03'21"	00°00'00"	00°00'00"	0.003
08/12/2020 00:00:00	♁	04°58'12" ♄	04°23'10"	02°37'38"	-00°00'26"	18.527
08/12/2020 00:00:00	♁	05°18'38" ♄	09°51'52"	-03°37'54"	00°06'41"	0.003
08/12/2020 00:00:00	T♁	19°56'47" ♄	23°03'21"	00°00'00"	00°00'00"	0.003
08/12/2020 00:00:00	T♁	04°06'37" ♄	19°32'35"	-01°26'53"	00°22'43"	0.003
08/12/2020 00:00:00	X	23°33'15" ♄	-01°40'41"	-11°37'49"	-00°00'21"	95.356
08/12/2020 00:00:00	Y	27°54'28" ♄	07°56'35"	-12°02'17"	-00°00'35"	83.462

Ephemerides year 2020

09/12/2020 00:00:00	☉	17°21'47" ♀	-22°50'11"	00°00'00"	01°00'57"	0.985
09/12/2020 00:00:00	☾	29°59'13" ♀	04°47'11"	05°12'44"	14°07'16"	0.002
09/12/2020 00:00:00	♁	11°12'09" ♀	-22°28'58"	-00°22'04"	01°33'48"	1.427
09/12/2020 00:00:00	♂	21°39'42" ♀	-16°45'40"	01°28'00"	01°14'47"	1.468
09/12/2020 00:00:00	♂	18°59'58" ♀	07°40'47"	00°15'33"	00°16'46"	0.702
09/12/2020 00:00:00	♃	27°45'26" ♀	-21°04'06"	-00°28'11"	00°12'23"	5.814
09/12/2020 00:00:00	♄	29°09'46" ♀	-20°40'58"	-00°22'02"	00°05'54"	10.703
09/12/2020 00:00:00	♅	07°16'08" ♀	13°30'04"	-00°27'39"	-00°01'43"	19.012
09/12/2020 00:00:00	♆	18°11'28" ♀	-05°40'25"	-01°05'30"	00°00'20"	29.897
09/12/2020 00:00:00	♇	23°28'58" ♀	-22°32'41"	-01°10'00"	00°01'40"	34.967
09/12/2020 00:00:00	♈	19°56'43" ♀	23°03'21"	00°00'00"	-00°00'07"	0.003
09/12/2020 00:00:00	♉	04°57'48" ♀	04°22'49"	02°37'25"	-00°00'23"	18.544
09/12/2020 00:00:00	♊	05°25'19" ♀	09°54'39"	-03°37'16"	00°06'40"	0.003
09/12/2020 00:00:00	♋	19°56'43" ♀	23°03'21"	00°00'00"	-00°00'07"	0.003
09/12/2020 00:00:00	♌	03°43'15" ♀	19°26'13"	-01°28'57"	-01°05'16"	0.003
09/12/2020 00:00:00	♍	23°32'54" ♀	-01°40'41"	-11°37'41"	-00°00'20"	95.370
09/12/2020 00:00:00	♎	27°53'53" ♀	07°56'31"	-12°02'14"	-00°00'35"	83.467
10/12/2020 00:00:00	☉	18°22'45" ♀	-22°55'43"	00°00'00"	01°00'58"	0.985
10/12/2020 00:00:00	☾	14°15'24" ♀	-01°10'11"	04°49'33"	14°24'43"	0.002

Ephemerides year 2020

10/12/2020 00:00:00	♀	12°45'58" ♄	-22°47'59"	-00°28'38"	01°33'50"	1.431
10/12/2020 00:00:00	♀	22°54'31" ♃	-17°06'15"	01°26'23"	01°14'49"	1.472
10/12/2020 00:00:00	♂	19°17'00" ♃	07°49'09"	00°17'37"	00°17'17"	0.710
10/12/2020 00:00:00	♃	27°57'52" ♄	-21°01'40"	-00°28'14"	00°12'27"	5.823
10/12/2020 00:00:00	♃	29°15'42" ♄	-20°39'47"	-00°22'05"	00°05'57"	10.714
10/12/2020 00:00:00	♃	07°14'26" ♃	13°29'32"	-00°27'37"	-00°01'40"	19.023
10/12/2020 00:00:00	♀	18°11'50" ♃	-05°40'15"	-01°05'28"	00°00'22"	29.914
10/12/2020 00:00:00	♃	23°30'40" ♄	-22°32'28"	-01°10'04"	00°01'41"	34.978
10/12/2020 00:00:00	♃	19°56'34" ♃	23°03'20"	00°00'00"	-00°00'08"	0.003
10/12/2020 00:00:00	♃	04°57'26" ♃	04°22'29"	02°37'13"	-00°00'19"	18.561
10/12/2020 00:00:00	♀	05°32'00" ♃	09°57'26"	-03°36'38"	00°06'40"	0.003
10/12/2020 00:00:00	T♃	19°56'34" ♃	23°03'20"	00°00'00"	-00°00'08"	0.003
10/12/2020 00:00:00	T♀	02°07'48" ♃	18°59'39"	-01°37'24"	-01°58'38"	0.003
10/12/2020 00:00:00	X	23°32'34" ♃	-01°40'41"	-11°37'33"	-00°00'20"	95.383
10/12/2020 00:00:00	Y	27°53'17" ♃	07°56'27"	-12°02'11"	-00°00'35"	83.472
11/12/2020 00:00:00	♃	19°23'44" ♄	-23°00'47"	00°00'00"	01°01'00"	0.985
11/12/2020 00:00:00	♃	28°47'36" ♃	-07°11'01"	04°07'36"	14°38'58"	0.002
11/12/2020 00:00:00	♀	14°19'50" ♄	-23°05'52"	-00°35'06"	01°33'53"	1.436
11/12/2020 00:00:00	♀	24°09'21" ♃	-17°26'24"	01°24'42"	01°14'50"	1.477

Ephemerides year 2020

11/12/2020 00:00:00	♂	19°34'33" ♏	07°57'40"	00°19'38"	00°17'47"	0.718
11/12/2020 00:00:00	♃	28°10'22" ♏	-20°59'13"	-00°28'17"	00°12'32"	5.833
11/12/2020 00:00:00	♃	29°21'41" ♏	-20°38'35"	-00°22'08"	00°06'00"	10.725
11/12/2020 00:00:00	♃	07°12'47" ♏	13°29'01"	-00°27'36"	-00°01'38"	19.034
11/12/2020 00:00:00	♃	18°12'14" ♏	-05°40'04"	-01°05'27"	00°00'24"	29.932
11/12/2020 00:00:00	♃	23°32'22" ♏	-22°32'14"	-01°10'09"	00°01'42"	34.988
11/12/2020 00:00:00	♁	19°56'28" ♏	23°03'20"	00°00'00"	-00°00'03"	0.003
11/12/2020 00:00:00	♃	04°57'08" ♏	04°22'10"	02°37'01"	-00°00'16"	18.577
11/12/2020 00:00:00	♃	05°38'41" ♏	10°00'14"	-03°36'00"	00°06'40"	0.003
11/12/2020 00:00:00	♁	19°56'28" ♏	23°03'20"	00°00'00"	-00°00'03"	0.003
11/12/2020 00:00:00	♃	29°59'51" ♏	18°22'42"	-01°48'35"	-02°11'08"	0.003
11/12/2020 00:00:00	X	23°32'14" ♏	-01°40'40"	-11°37'25"	-00°00'19"	95.397
11/12/2020 00:00:00	Y	27°52'42" ♏	07°56'22"	-12°02'08"	-00°00'34"	83.478
12/12/2020 00:00:00	♁	20°24'45" ♏	-23°05'25"	00°00'00"	01°01'01"	0.985
12/12/2020 00:00:00	♃	13°31'38" ♏	-12°53'33"	03°08'52"	14°48'05"	0.002
12/12/2020 00:00:00	♃	15°53'46" ♏	-23°22'36"	-00°41'25"	01°33'57"	1.439
12/12/2020 00:00:00	♀	25°24'12" ♏	-17°46'05"	01°22'59"	01°14'52"	1.481
12/12/2020 00:00:00	♂	19°52'35" ♏	08°06'18"	00°21'36"	00°18'17"	0.726
12/12/2020 00:00:00	♃	28°22'56" ♏	-20°56'43"	-00°28'20"	00°12'36"	5.843



Ephemerides year 2020

12/12/2020 00:00:00	♃	29°27'44" ♁	-20°37'23"	-00°22'11"	00°06'03"	10.735
12/12/2020 00:00:00	♃	07°11'09" ♁	13°28'31"	-00°27'34"	-00°01'35"	19.046
12/12/2020 00:00:00	♃	18°12'40" ♁	-05°39'52"	-01°05'25"	00°00'26"	29.949
12/12/2020 00:00:00	♃	23°34'06" ♁	-22°32'00"	-01°10'13"	00°01'43"	34.998
12/12/2020 00:00:00	♃	19°56'28" ♁	23°03'20"	00°00'00"	00°00'03"	0.003
12/12/2020 00:00:00	♃	04°56'53" ♁	04°21'53"	02°36'48"	-00°00'13"	18.594
12/12/2020 00:00:00	♃	05°45'22" ♁	10°03'01"	-03°35'22"	00°06'41"	0.003
12/12/2020 00:00:00	♃	19°56'28" ♁	23°03'20"	00°00'00"	00°00'03"	0.003
12/12/2020 00:00:00	♃	27°54'18" ♁	17°45'02"	-01°59'26"	-01°57'40"	0.003
12/12/2020 00:00:00	X	23°31'55" ♁	-01°40'39"	-11°37'17"	-00°00'18"	95.411
12/12/2020 00:00:00	Y	27°52'07" ♁	07°56'19"	-12°02'05"	-00°00'34"	83.483
13/12/2020 00:00:00	♃	21°25'47" ♁	-23°09'35"	00°00'00"	01°01'02"	0.984
13/12/2020 00:00:00	♃	28°21'33" ♁	-17°53'19"	01°57'06"	14°50'31"	0.002
13/12/2020 00:00:00	♃	17°27'45" ♁	-23°38'10"	-00°47'37"	01°34'01"	1.442
13/12/2020 00:00:00	♃	26°39'05" ♁	-18°05'18"	01°21'12"	01°14'53"	1.485
13/12/2020 00:00:00	♃	20°11'07" ♁	08°15'05"	00°23'31"	00°18'46"	0.735
13/12/2020 00:00:00	♃	28°35'35" ♁	-20°54'12"	-00°28'22"	00°12'40"	5.852
13/12/2020 00:00:00	♃	29°33'49" ♁	-20°36'09"	-00°22'14"	00°06'06"	10.746
13/12/2020 00:00:00	♃	07°09'35" ♁	13°28'01"	-00°27'33"	-00°01'33"	19.058

Ephemerides year 2020

13/12/2020 00:00:00	♁	18°13'08"	♈	-05°39'40"	-01°05'23"	00°00'29"	29.966
13/12/2020 00:00:00	♁	23°35'50"	♈	-22°31'46"	-01°10'17"	00°01'44"	35.008
13/12/2020 00:00:00	♁	19°56'34"	♈	23°03'20"	00°00'00"	00°00'06"	0.003
13/12/2020 00:00:00	♁	04°56'41"	♈	04°21'37"	02°36'36"	-00°00'09"	18.611
13/12/2020 00:00:00	♁	05°52'03"	♈	10°05'48"	-03°34'44"	00°06'41"	0.003
13/12/2020 00:00:00	T♁	19°56'34"	♈	23°03'20"	00°00'00"	00°00'06"	0.003
13/12/2020 00:00:00	T♁	26°04'57"	♈	17°11'08"	-02°08'45"	-01°42'35"	0.003
13/12/2020 00:00:00	X	23°31'36"	♈	-01°40'38"	-11°37'08"	-00°00'18"	95.426
13/12/2020 00:00:00	Y	27°51'33"	♈	07°56'15"	-12°02'01"	-00°00'34"	83.489
14/12/2020 00:00:00	♁	22°26'50"	♈	-23°13'17"	-00°00'00"	01°01'03"	0.984
14/12/2020 00:00:00	♁	13°10'10"	♈	-21°45'21"	00°37'33"	14°45'26"	0.002
14/12/2020 00:00:00	♁	19°01'49"	♈	-23°52'31"	00°53'40"	01°34'06"	1.445
14/12/2020 00:00:00	♁	27°54'00"	♈	-18°24'02"	01°19'22"	01°14'54"	1.489
14/12/2020 00:00:00	♁	20°30'07"	♈	08°23'59"	00°25'23"	00°19'14"	0.743
14/12/2020 00:00:00	♁	28°48'18"	♈	-20°51'38"	-00°28'25"	00°12'44"	5.861
14/12/2020 00:00:00	♁	29°39'57"	♈	-20°34'55"	-00°22'17"	00°06'09"	10.756
14/12/2020 00:00:00	♁	07°08'02"	♈	13°27'33"	-00°27'31"	-00°01'31"	19.070
14/12/2020 00:00:00	♁	18°13'38"	♈	-05°39'26"	-01°05'21"	00°00'31"	29.984
14/12/2020 00:00:00	♁	23°37'36"	♈	-22°31'32"	-01°10'21"	00°01'45"	35.018

Ephemerides year 2020

14/12/2020 00:00:00	♏	19°56'40" ♀	23°03'21"	00°00'00"	00°00'04"	0.003
14/12/2020 00:00:00	♋	04°56'33" ♂	04°21'22"	02°36'23"	-00°00'06"	18.628
14/12/2020 00:00:00	♌	05°58'44" ♂	10°08'35"	-03°34'06"	00°06'41"	0.003
14/12/2020 00:00:00	♏	19°56'40" ♀	23°03'21"	00°00'00"	00°00'04"	0.003
14/12/2020 00:00:00	♌	24°23'32" ♂	16°38'51"	-02°17'16"	-01°43'48"	0.003
14/12/2020 00:00:00	X	23°31'18" ♂	-01°40'37"	-11°37'00"	-00°00'17"	95.440
14/12/2020 00:00:00	Y	27°50'59" ♂	07°56'11"	-12°01'57"	-00°00'33"	83.496
15/12/2020 00:00:00	♏	23°27'53" ♂	-23°16'32"	-00°00'00"	01°01'04"	0.984
15/12/2020 00:00:00	♎	27°49'59" ♂	-24°08'50"	0-00°43'41"	14°33'00"	0.002
15/12/2020 00:00:00	♏	20°35'58" ♂	-24°05'38"	0-00°59'34"	01°34'11"	1.447
15/12/2020 00:00:00	♏	29°08'55" ♀	-18°42'17"	01°17'29"	01°14'56"	1.494
15/12/2020 00:00:00	♏	20°49'36" ♂	08°33'00"	00°27'13"	00°19'42"	0.751
15/12/2020 00:00:00	♏	29°01'05" ♂	-20°49'03"	-00°28'28"	00°12'48"	5.870
15/12/2020 00:00:00	♏	29°46'09" ♂	-20°33'40"	-00°22'21"	00°06'12"	10.766
15/12/2020 00:00:00	♏	07°06'33" ♂	13°27'05"	-00°27'30"	-00°01'28"	19.082
15/12/2020 00:00:00	♏	18°14'10" ♀	-05°39'12"	-01°05'20"	00°00'33"	30.001
15/12/2020 00:00:00	♏	23°39'22" ♂	-22°31'18"	-01°10'25"	00°01'46"	35.027
15/12/2020 00:00:00	♏	19°56'39" ♀	23°03'21"	00°00'00"	-00°00'06"	0.003
15/12/2020 00:00:00	♋	04°56'28" ♂	04°21'09"	02°36'11"	-00°00'03"	18.645

Ephemerides year 2020

15/12/2020 00:00:00	☾	06°05'25" ♀	10°11'22"	-03°33'27"	00°06'41"	0.003	
15/12/2020 00:00:00	♁	19°56'39" ♀	23°03'21"		00°00'00"	-00°00'06"	0.003
15/12/2020 00:00:00	♁	22°30'05" ♀	16°01'48"		-02°26'38"	-02°06'21"	0.003
15/12/2020 00:00:00	X	23°31'01" ♀	-01°40'35"		-11°36'51"	-00°00'16"	95.455
15/12/2020 00:00:00	Y	27°50'26" ♀	07°56'08"		-12°01'53"	-00°00'33"	83.502
16/12/2020 00:00:00	☉	24°28'58" ♀	-23°19'19"		-00°00'00"	01°01'04"	0.984
16/12/2020 00:00:00	☾	12°14'08" ♀	-24°52'37"		o-02°00'42"	14°14'25"	0.002
16/12/2020 00:00:00	♁	22°10'13" ♀	-24°17'31"		o-01°05'18"	01°34'18"	1.448
16/12/2020 00:00:00	♀	00°23'52" ♀	-19°00'02"		01°15'33"	01°14'57"	1.498
16/12/2020 00:00:00	♂	21°09'31" ♀	08°42'08"		00°29'00"	00°20'09"	0.759
16/12/2020 00:00:00	♃	29°13'56" ♀	-20°46'27"		-00°28'31"	00°12'52"	5.879
16/12/2020 00:00:00	♄	29°52'23" ♀	-20°32'24"		-00°22'24"	00°06'15"	10.776
16/12/2020 00:00:00	♅	07°05'05" ♀	13°26'38"		-00°27'28"	-00°01'25"	19.095
16/12/2020 00:00:00	♆	18°14'44" ♀	-05°38'57"		-01°05'18"	00°00'35"	30.018
16/12/2020 00:00:00	♇	23°41'09" ♀	-22°31'04"		-01°10'30"	00°01'47"	35.037
16/12/2020 00:00:00	♁	19°56'26" ♀	23°03'20"		00°00'00"	-00°00'22"	0.003
16/12/2020 00:00:00	♂	04°56'27" ♀	04°20'57"		02°35'59"	00°00'00"	18.662
16/12/2020 00:00:00	☾	06°12'06" ♀	10°14'09"		-03°32'49"	00°06'41"	0.003
16/12/2020 00:00:00	♁	19°56'26" ♀	23°03'20"		00°00'00"	-00°00'22"	0.003

Ephemerides year 2020

16/12/2020 00:00:00	T♄	20°06'08" ♂	15°13'26"	-02°38'15"	-02°42'37"	0.003
16/12/2020 00:00:00	X	23°30'44" ♀	-01°40'33"	-11°36'43"	-00°00'16"	95.469
16/12/2020 00:00:00	Y	27°49'52" ♂	07°56'05"	-12°01'49"	-00°00'33"	83.509
17/12/2020 00:00:00	☉	25°30'03" ♀	-23°21'37"	-00°00'00"	01°01'05"	0.984
17/12/2020 00:00:00	☾	26°17'25" ♂	-23°58'28"	0-03°08'27"	13°51'35"	0.003
17/12/2020 00:00:00	♁	23°44'35" ♀	-24°28'07"	0-01°10'52"	01°34'25"	1.449
17/12/2020 00:00:00	♂	01°38'49" ♀	-19°17'15"	01°13'34"	01°14'58"	1.502
17/12/2020 00:00:00	♂	21°29'54" ♀	08°51'23"	00°30'44"	00°20'35"	0.768
17/12/2020 00:00:00	♃	29°26'50" ♂	-20°43'48"	-00°28'34"	00°12'56"	5.887
17/12/2020 00:00:00	♄	29°58'40" ♂	-20°31'07"	-00°22'27"	00°06'18"	10.785
17/12/2020 00:00:00	♅	07°03'41" ♂	13°26'12"	-00°27'27"	-00°01'23"	19.108
17/12/2020 00:00:00	♆	18°15'21" ♀	-05°38'41"	-01°05'16"	00°00'37"	30.035
17/12/2020 00:00:00	♇	23°42'57" ♂	-22°30'49"	-01°10'34"	00°01'48"	35.046
17/12/2020 00:00:00	♈	19°55'55" ♀	23°03'17"	00°00'00"	-00°00'39"	0.003
17/12/2020 00:00:00	♉	04°56'29" ♀	04°20'47"	02°35'46"	00°00'03"	18.679
17/12/2020 00:00:00	♊	06°18'48" ♂	10°16'56"	-03°32'10"	00°06'41"	0.003
17/12/2020 00:00:00	T♈	19°55'55" ♀	23°03'17"	00°00'00"	-00°00'39"	0.003
17/12/2020 00:00:00	T♄	17°05'51" ♂	14°10'52"	-02°52'23"	-03°15'47"	0.003
17/12/2020 00:00:00	X	23°30'28" ♀	-01°40'31"	-11°36'34"	-00°00'15"	95.484

Ephemerides year 2020

17/12/2020 00:00:00	Y	27°49'19" ♂	07°56'02"	-12°01'45"	-00°00'32"	83.516
18/12/2020 00:00:00	☉	26°31'08" ♀	-23°23'28"	-00°00'00"	01°01'05"	0.984
18/12/2020 00:00:00	☾	09°56'40" ♁	-21°39'30"	-04°03'23"	13°26'46"	0.003
18/12/2020 00:00:00	♀	25°19'04" ♀	-24°37'26"	01°16'15"	01°34'33"	1.449
18/12/2020 00:00:00	♀	02°53'48" ♀	-19°33'57"	01°11'32"	01°14'58"	1.506
18/12/2020 00:00:00	♂	21°50'42" ♀	09°00'45"	00°32'26"	00°21'01"	0.776
18/12/2020 00:00:00	♃	29°39'49" ♁	-20°41'08"	-00°28'37"	00°13'00"	5.896
18/12/2020 00:00:00	♄	00°04'59" ♁	-20°29'50"	-00°22'30"	00°06'20"	10.794
18/12/2020 00:00:00	♅	07°02'19" ♂	13°25'46"	-00°27'25"	-00°01'20"	19.121
18/12/2020 00:00:00	♆	18°15'59" ♁	-05°38'25"	-01°05'15"	00°00'39"	30.053
18/12/2020 00:00:00	♇	23°44'46" ♁	-22°30'35"	-01°10'38"	00°01'49"	35.054
18/12/2020 00:00:00	♈	19°55'08" ♀	23°03'14"	00°00'00"	-00°00'52"	0.003
18/12/2020 00:00:00	♉	04°56'34" ♀	04°20'37"	02°35'34"	00°00'06"	18.696
18/12/2020 00:00:00	♊	06°25'29" ♂	10°19'43"	-03°31'32"	00°06'41"	0.003
18/12/2020 00:00:00	♋	19°55'08" ♀	23°03'14"	00°00'00"	-00°00'52"	0.003
18/12/2020 00:00:00	♌	13°41'44" ♂	12°57'33"	-03°07'48"	-03°27'45"	0.003
18/12/2020 00:00:00	X	23°30'13" ♀	-01°40'28"	-11°36'25"	-00°00'15"	95.499
18/12/2020 00:00:00	Y	27°48'47" ♂	07°56'00"	-12°01'41"	-00°00'32"	83.524
19/12/2020 00:00:00	☉	27°32'14" ♀	-23°24'50"	-00°00'00"	01°01'05"	0.984

Ephemerides year 2020

19/12/2020 00:00:00	♃	23°11'03" ♁	-18°14'46"	-04°43'28"	13°02'10"	0.003
19/12/2020 00:00:00	♆	26°53'42" ♀	-24°45'26"	01°21'26"	01°34'42"	1.448
19/12/2020 00:00:00	♀	04°08'47" ♀	-19°50'06"	01°09'28"	01°14'59"	1.510
19/12/2020 00:00:00	♂	22°11'56" ♀	09°10'13"	00°34'06"	00°21'26"	0.784
19/12/2020 00:00:00	♃	29°52'51" ♁	-20°38'26"	-00°28'40"	00°13'03"	5.904
19/12/2020 00:00:00	♃	00°11'21" ♁	-20°28'31"	-00°22'33"	00°06'23"	10.803
19/12/2020 00:00:00	♃	07°00'59" ♁	13°25'22"	-00°27'23"	-00°01'18"	19.134
19/12/2020 00:00:00	♃	18°16'40" ♁	-05°38'07"	-01°05'13"	00°00'41"	30.070
19/12/2020 00:00:00	♃	23°46'36" ♁	-22°30'20"	-01°10'43"	00°01'49"	35.063
19/12/2020 00:00:00	♁	19°54'13" ♁	23°03'10"	00°00'00"	-00°00'56"	0.003
19/12/2020 00:00:00	♃	04°56'42" ♁	04°20'29"	02°35'21"	00°00'10"	18.713
19/12/2020 00:00:00	♃	06°32'10" ♁	10°22'30"	-03°30'53"	00°06'40"	0.003
19/12/2020 00:00:00	♁	19°54'13" ♁	23°03'10"	00°00'00"	-00°00'56"	0.003
19/12/2020 00:00:00	♃	10°20'22" ♁	11°42'52"	-03°22'21"	-03°10'10"	0.003
19/12/2020 00:00:00	X	23°29'58" ♁	-01°40'25"	-11°36'17"	-00°00'14"	95.515
19/12/2020 00:00:00	Y	27°48'14" ♁	07°55'57"	-12°01'37"	-00°00'32"	83.531
20/12/2020 00:00:00	♃	28°33'20" ♀	-23°25'45"	-00°00'00"	01°01'06"	0.984
20/12/2020 00:00:00	♃	06°01'44" ♁	-14°03'54"	-05°07'57"	12°39'38"	0.003
20/12/2020 00:00:00	♆	28°28'30" ♀	-24°52'06"	01°26'25"	01°34'52"	1.447

Ephemerides year 2020

20/12/2020 00:00:00	♀	05°23'47" ♃	-20°05'42"	01°07'22"	01°15'00"	1.514
20/12/2020 00:00:00	♂	22°33'34" ♃	09°19'46"	00°35'43"	00°21'50"	0.793
20/12/2020 00:00:00	♃	00°05'56" ♃	-20°35'42"	-00°28'43"	00°13'06"	5.912
20/12/2020 00:00:00	♃	00°17'45" ♃	-20°27'12"	-00°22'36"	00°06'25"	10.812
20/12/2020 00:00:00	♃	06°59'42" ♃	13°24'58"	-00°27'22"	-00°01'15"	19.147
20/12/2020 00:00:00	♃	18°17'22" ♃	-05°37'49"	-01°05'11"	00°00'43"	30.087
20/12/2020 00:00:00	♃	23°48'26" ♃	-22°30'05"	-01°10'47"	00°01'50"	35.071
20/12/2020 00:00:00	♃	19°53'19" ♃	23°03'06"	00°00'00"	-00°00'48"	0.003
20/12/2020 00:00:00	♃	04°56'54" ♃	04°20'22"	02°35'09"	00°00'13"	18.731
20/12/2020 00:00:00	♃	06°38'50" ♃	10°25'16"	-03°30'14"	00°06'40"	0.003
20/12/2020 00:00:00	♃	19°53'19" ♃	23°03'06"	00°00'00"	-00°00'48"	0.003
20/12/2020 00:00:00	♃	07°29'12" ♃	10°37'46"	-03°34'11"	-02°29'26"	0.003
20/12/2020 00:00:00	X	23°29'43" ♃	-01°40'22"	-11°36'08"	-00°00'14"	95.530
20/12/2020 00:00:00	Y	27°47'42" ♃	07°55'55"	-12°01'32"	-00°00'31"	83.539
21/12/2020 00:00:00	♃	29°34'26" ♃	-23°26'11"	-00°00'00"	01°01'06"	0.984
21/12/2020 00:00:00	♃	18°31'29" ♃	-09°23'52"	-05°17'02"	12°20'31"	0.003
21/12/2020 00:00:00	♃	00°03'28" ♃	-24°57'24"	-01°31'11"	01°35'03"	1.446
21/12/2020 00:00:00	♀	06°38'48" ♃	-20°20'44"	01°05'13"	01°15'01"	1.518
21/12/2020 00:00:00	♂	22°55'37" ♃	09°29'26"	00°37'17"	00°22'14"	0.802



Ephemerides year 2020

21/12/2020 00:00:00	♃	00°19'05" ♁	-20°32'57"	-00°28'46"	00°13'10"	5.920
21/12/2020 00:00:00	♅	00°24'12" ♁	-20°25'53"	-00°22'40"	00°06'27"	10.821
21/12/2020 00:00:00	♁	06°58'28" ♄	13°24'36"	-00°27'20"	-00°01'12"	19.161
21/12/2020 00:00:00	♆	18°18'06" ♃	-05°37'30"	-01°05'09"	00°00'45"	30.104
21/12/2020 00:00:00	♁	23°50'17" ♄	-22°29'51"	-01°10'52"	00°01'51"	35.079
21/12/2020 00:00:00	♁	19°52'40" ♃	23°03'03"	00°00'00"	-00°00'28"	0.003
21/12/2020 00:00:00	♆	04°57'09" ♄	04°20'17"	02°34'56"	00°00'16"	18.748
21/12/2020 00:00:00	♁	06°45'31" ♄	10°28'03"	-03°29'35"	00°06'40"	0.003
21/12/2020 00:00:00	♁♁	19°52'40" ♃	23°03'03"	00°00'00"	-00°00'28"	0.003
21/12/2020 00:00:00	♁♁	05°24'08" ♄	09°49'19"	-03°42'30"	-01°40'42"	0.003
21/12/2020 00:00:00	X	23°29'30" ♄	-01°40'19"	-11°35'59"	-00°00'13"	95.545
21/12/2020 00:00:00	Y	27°47'11" ♄	07°55'53"	-12°01'27"	-00°00'31"	83.547
22/12/2020 00:00:00	♁	00°35'32" ♄	-23°26'08"	-00°00'00"	01°01'06"	0.984
22/12/2020 00:00:00	♁	00°44'13" ♄	-04°28'09"	-05°11'29"	12°05'41"	0.003
22/12/2020 00:00:00	♁	01°38'37" ♄	-25°01'20"	-01°35'44"	01°35'15"	1.444
22/12/2020 00:00:00	♁	07°53'49" ♄	-20°35'11"	01°03'02"	01°15'01"	1.522
22/12/2020 00:00:00	♁	23°18'02" ♄	09°39'11"	00°38'50"	00°22'37"	0.810
22/12/2020 00:00:00	♃	00°32'16" ♁	-20°30'09"	-00°28'49"	00°13'13"	5.928
22/12/2020 00:00:00	♅	00°30'41" ♁	-20°24'32"	-00°22'43"	00°06'30"	10.829

Ephemerides year 2020

22/12/2020 00:00:00	♃	06°57'16" ♎	13°24'14"	-00°27'19"	-00°01'10"	19.175
22/12/2020 00:00:00	♃	18°18'53" ♏	-05°37'10"	-01°05'08"	00°00'47"	30.121
22/12/2020 00:00:00	♃	23°52'08" ♏	-22°29'36"	-01°10'56"	00°01'51"	35.086
22/12/2020 00:00:00	♃	19°52'25" ♏	23°03'02"	00°00'00"	00°00'00"	0.003
22/12/2020 00:00:00	♃	04°57'28" ♏	04°20'13"	02°34'44"	00°00'20"	18.765
22/12/2020 00:00:00	♃	06°52'12" ♏	10°30'49"	-03°28'56"	00°06'40"	0.003
22/12/2020 00:00:00	♃	19°52'25" ♏	23°03'02"	00°00'00"	00°00'00"	0.003
22/12/2020 00:00:00	♃	04°05'40" ♏	09°18'34"	-03°47'35"	-00°58'09"	0.003
22/12/2020 00:00:00	♃	23°29'16" ♏	-01°40'16"	-11°35'50"	-00°00'12"	95.561
22/12/2020 00:00:00	♃	27°46'40" ♏	07°55'51"	-12°01'22"	-00°00'31"	83.556
23/12/2020 00:00:00	♃	01°36'39" ♏	-23°25'38"	-00°00'00"	01°01'06"	0.984
23/12/2020 00:00:00	♃	12°44'26" ♏	00°32'33"	-04°52'20"	11°55'33"	0.003
23/12/2020 00:00:00	♃	03°13'59" ♏	-25°03'52"	-01°40'03"	01°35'27"	1.441
23/12/2020 00:00:00	♃	09°08'51" ♏	-20°49'04"	01°00'49"	01°15'02"	1.526
23/12/2020 00:00:00	♃	23°40'51" ♏	09°49'01"	00°40'20"	00°22'59"	0.819
23/12/2020 00:00:00	♃	00°45'32" ♏	-20°27'20"	-00°28'52"	00°13'16"	5.935
23/12/2020 00:00:00	♃	00°37'13" ♏	-20°23'11"	-00°22'46"	00°06'32"	10.837
23/12/2020 00:00:00	♃	06°56'07" ♏	13°23'53"	-00°27'17"	-00°01'07"	19.188
23/12/2020 00:00:00	♃	18°19'41" ♏	-05°36'50"	-01°05'06"	00°00'49"	30.138

Ephemerides year 2020

23/12/2020 00:00:00	♁	23°54'00" ♁	-22°29'20"	-01°11'00"	00°01'52"	35.094
23/12/2020 00:00:00	♁	19°52'42" ♁	23°03'03"	00°00'00"	00°00'33"	0.003
23/12/2020 00:00:00	♁	04°57'49" ♁	04°20'10"	02°34'32"	00°00'23"	18.782
23/12/2020 00:00:00	♁	06°58'53" ♁	10°33'36"	-03°28'17"	00°06'40"	0.003
23/12/2020 00:00:00	♁	19°52'42" ♁	23°03'03"	00°00'00"	00°00'33"	0.003
23/12/2020 00:00:00	♁	03°22'53" ♁	09°01'41"	-03°50'20"	-00°30'13"	0.003
23/12/2020 00:00:00	X	23°29'04" ♁	-01°40'12"	-11°35'41"	-00°00'12"	95.576
23/12/2020 00:00:00	Y	27°46'09" ♁	07°55'50"	-12°01'18"	-00°00'30"	83.565
24/12/2020 00:00:00	♁	02°37'46" ♁	-23°24'39"	-00°00'00"	01°01'06"	0.984
24/12/2020 00:00:00	♁	24°36'57" ♁	05°29'17"	-04°20'51"	11°50'14"	0.003
24/12/2020 00:00:00	♁	04°49'33" ♁	-25°04'59"	-01°44'07"	01°35'40"	1.438
24/12/2020 00:00:00	♁	10°23'54" ♁	-21°02'20"	00°58'34"	01°15'03"	1.530
24/12/2020 00:00:00	♁	24°04'01" ♁	09°58'56"	00°41'48"	00°23'21"	0.827
24/12/2020 00:00:00	♁	00°58'50" ♁	-20°24'30"	-00°28'56"	00°13'19"	5.943
24/12/2020 00:00:00	♁	00°43'47" ♁	-20°21'49"	-00°22'50"	00°06'34"	10.845
24/12/2020 00:00:00	♁	06°55'01" ♁	13°23'33"	-00°27'15"	-00°01'04"	19.203
24/12/2020 00:00:00	♁	18°20'31" ♁	-05°36'29"	-01°05'04"	00°00'51"	30.155
24/12/2020 00:00:00	♁	23°55'53" ♁	-22°29'05"	-01°11'05"	00°01'53"	35.101
24/12/2020 00:00:00	♁	19°53'31" ♁	23°03'07"	00°00'00"	00°01'03"	0.003

Ephemerides year 2020

24/12/2020 00:00:00	♄	04°58'14" ♏	04°20'09"	02°34'19"	00°00'26"	18.800
24/12/2020 00:00:00	♁	07°05'34" ♏	10°36'22"	-03°27'38"	00°06'40"	0.003
24/12/2020 00:00:00	♁♁	19°53'31" ♏	23°03'07"	00°00'00"	00°01'03"	0.003
24/12/2020 00:00:00	♁♁	02°59'21" ♏	08°52'21"	-03°51'50"	-00°19'41"	0.003
24/12/2020 00:00:00	X	23°28'52" ♏	-01°40'08"	-11°35'32"	-00°00'11"	95.592
24/12/2020 00:00:00	Y	27°45'38" ♏	07°55'48"	-12°01'12"	-00°00'30"	83.574
25/12/2020 00:00:00	♁	03°38'53" ♏	-23°23'12"	-00°00'00"	01°01'07"	0.983
25/12/2020 00:00:00	♁	06°26'28" ♏	10°13'32"	-03°38'24"	11°49'31"	0.003
25/12/2020 00:00:00	♁	06°25'21" ♏	-25°04'40"	-01°47'56"	01°35'54"	1.434
25/12/2020 00:00:00	♁	11°38'58" ♏	-21°15'01"	00°56'16"	01°15'03"	1.534
25/12/2020 00:00:00	♁	24°27'33" ♏	10°08'56"	00°43'13"	00°23'42"	0.836
25/12/2020 00:00:00	♁	01°12'11" ♏	-20°21'37"	-00°28'59"	00°13'22"	5.950
25/12/2020 00:00:00	♁	00°50'22" ♏	-20°20'26"	-00°22'53"	00°06'36"	10.853
25/12/2020 00:00:00	♁	06°53'58" ♏	13°23'14"	-00°27'14"	-00°01'01"	19.217
25/12/2020 00:00:00	♁	18°21'23" ♏	-05°36'07"	-01°05'03"	00°00'53"	30.171
25/12/2020 00:00:00	♁	23°57'47" ♏	-22°28'50"	-01°11'10"	00°01'53"	35.107
25/12/2020 00:00:00	♁	19°54'45" ♏	23°03'12"	00°00'00"	00°01'22"	0.003
25/12/2020 00:00:00	♁	04°58'43" ♏	04°20'09"	02°34'07"	00°00'29"	18.817
25/12/2020 00:00:00	♁	07°12'14" ♏	10°39'08"	-03°26'58"	00°06'40"	0.003

Ephemerides year 2020

25/12/2020 00:00:00	T♄	19°54'45" ♀	23°03'12"	00°00'00"	00°01'22"	0.003
25/12/2020 00:00:00	T♄	02°38'17" ♂	08°44'00"	-03°53'10"	-00°24'38"	0.003
25/12/2020 00:00:00	X	23°28'40" ♀	-01°40'03"	-11°35'23"	-00°00'11"	95.608
25/12/2020 00:00:00	Y	27°45'09" ♂	07°55'47"	-12°01'07"	-00°00'29"	83.583
26/12/2020 00:00:00	♁	04°40'00" ♂	-23°21'16"	-00°00'00"	01°01'07"	0.983
26/12/2020 00:00:00	♂	18°17'24" ♂	14°36'14"	-02°46'34"	11°53'00"	0.003
26/12/2020 00:00:00	♀	08°01'23" ♂	-25°02'54"	0-01°51'28"	01°36'09"	1.430
26/12/2020 00:00:00	♀	12°54'02" ♂	-21°27'04"	00°53'57"	01°15'04"	1.538
26/12/2020 00:00:00	♂	24°51'26" ♀	10°19'00"	00°44'37"	00°24'02"	0.845
26/12/2020 00:00:00	♃	01°25'35" ♁	-20°18'43"	-00°29'02"	00°13'25"	5.957
26/12/2020 00:00:00	♃	00°57'00" ♁	-20°19'03"	-00°22'56"	00°06'38"	10.860
26/12/2020 00:00:00	♃	06°52'58" ♂	13°22'56"	-00°27'12"	-00°00'58"	19.231
26/12/2020 00:00:00	♃	18°22'18" ♀	-05°35'44"	-01°05'01"	00°00'55"	30.188
26/12/2020 00:00:00	♃	23°59'41" ♂	-22°28'34"	-01°11'14"	00°01'54"	35.114
26/12/2020 00:00:00	♁	19°56'11" ♀	23°03'19"	00°00'00"	00°01'25"	0.003
26/12/2020 00:00:00	♃	04°59'14" ♀	04°20'10"	02°33'55"	00°00'33"	18.834
26/12/2020 00:00:00	♃	07°18'55" ♂	10°41'55"	-03°26'19"	00°06'40"	0.003
26/12/2020 00:00:00	T♄	19°56'11" ♀	23°03'19"	00°00'00"	00°01'25"	0.003
26/12/2020 00:00:00	T♄	02°07'02" ♂	08°31'37"	-03°55'04"	-00°38'32"	0.003

Ephemerides year 2020

26/12/2020 00:00:00	X	23°28'30" ♄	-01°39'59"	-11°35'14"	-00°00'10"	95.624
26/12/2020 00:00:00	Y	27°44'39" ♄	07°55'46"	-12°01'02"	-00°00'29"	83.592
27/12/2020 00:00:00	☉	05°41'07" ♄	-23°18'53"	-00°00'00"	01°01'07"	0.983
27/12/2020 00:00:00	☾	00°13'42" ♀	18°27'01"	-01°47'08"	12°00'07"	0.003
27/12/2020 00:00:00	♀	09°37'40" ♄	-24°59'40"	-01°54'43"	01°36'24"	1.425
27/12/2020 00:00:00	♀	14°09'06" ♄	-21°38'30"	00°51'36"	01°15'05"	1.542
27/12/2020 00:00:00	♂	25°15'39" ♄	10°29'08"	00°45'59"	00°24'22"	0.854
27/12/2020 00:00:00	♃	01°39'02" ♄	-20°15'47"	-00°29'06"	00°13'28"	5.963
27/12/2020 00:00:00	♃	01°03'40" ♄	-20°17'39"	-00°23'00"	00°06'41"	10.867
27/12/2020 00:00:00	♃	06°52'00" ♄	13°22'38"	-00°27'10"	-00°00'55"	19.246
27/12/2020 00:00:00	♃	18°23'14" ♄	-05°35'21"	-01°05'00"	00°00'57"	30.205
27/12/2020 00:00:00	♃	24°01'35" ♄	-22°28'19"	-01°11'19"	00°01'54"	35.120
27/12/2020 00:00:00	♃	19°57'30" ♀	23°03'25"	00°00'00"	00°01'08"	0.003
27/12/2020 00:00:00	♃	04°59'49" ♄	04°20'12"	02°33'42"	00°00'36"	18.852
27/12/2020 00:00:00	♃	07°25'36" ♄	10°44'41"	-03°25'39"	00°06'40"	0.003
27/12/2020 00:00:00	T♃	19°57'30" ♀	23°03'25"	00°00'00"	00°01'08"	0.003
27/12/2020 00:00:00	T♃	01°22'07" ♄	08°13'49"	-03°57'42"	-00°49'31"	0.003
27/12/2020 00:00:00	X	23°28'20" ♄	-01°39'54"	-11°35'05"	-00°00'09"	95.640
27/12/2020 00:00:00	Y	27°44'10" ♄	07°55'45"	-12°00'56"	-00°00'28"	83.602

Ephemerides year 2020

28/12/2020 00:00:00	♁	06°42'15" ♁	-23°16'01"	-00°00'00"	01°01'07"	0.983
28/12/2020 00:00:00	♃	12°18'39" ♃	21°34'08"	-00°42'16"	12°10'11"	0.003
28/12/2020 00:00:00	♁	11°14'12" ♁	-24°54'57"	♁-01°57'41"	01°36'39"	1.419
28/12/2020 00:00:00	♁	15°24'12" ♁	-21°49'18"	00°49'14"	01°15'05"	1.545
28/12/2020 00:00:00	♁	25°40'11" ♁	10°39'20"	00°47'18"	00°24'42"	0.863
28/12/2020 00:00:00	♁	01°52'32" ♁	-20°12'50"	-00°29'09"	00°13'31"	5.970
28/12/2020 00:00:00	♁	01°10'22" ♁	-20°16'14"	-00°23'03"	00°06'42"	10.874
28/12/2020 00:00:00	♁	06°51'06" ♁	13°22'22"	-00°27'08"	-00°00'53"	19.261
28/12/2020 00:00:00	♁	18°24'12" ♁	-05°34'56"	-01°04'58"	00°00'59"	30.221
28/12/2020 00:00:00	♁	24°03'31" ♁	-22°28'03"	-01°11'23"	00°01'55"	35.126
28/12/2020 00:00:00	♁	19°58'21" ♁	23°03'28"	00°00'00"	00°00'31"	0.003
28/12/2020 00:00:00	♁	05°00'27" ♁	04°20'16"	02°33'30"	00°00'39"	18.869
28/12/2020 00:00:00	♁	07°32'17" ♁	10°47'27"	-03°25'00"	00°06'40"	0.003
28/12/2020 00:00:00	♁	19°58'21" ♁	23°03'28"	00°00'00"	00°00'31"	0.003
28/12/2020 00:00:00	♁	00°34'12" ♁	07°54'49"	-04°00'24"	-00°41'51"	0.003
28/12/2020 00:00:00	♁	23°28'10" ♁	-01°39'49"	-11°34'56"	-00°00'08"	95.656
28/12/2020 00:00:00	♁	27°43'42" ♁	07°55'45"	-12°00'51"	-00°00'28"	83.612
29/12/2020 00:00:00	♁	07°43'23" ♁	-23°12'42"	-00°00'00"	01°01'07"	0.983
29/12/2020 00:00:00	♃	24°34'48" ♃	23°44'57"	♁ 00°25'25"	12°22'24"	0.003

Ephemerides year 2020

29/12/2020 00:00:00	♀	12°50'59" ♃	-24°48'44" ♁	-02°00'19"	01°36'55"	1.413
29/12/2020 00:00:00	♀	16°39'18" ♃	-21°59'28"	00°46'50"	01°15'06"	1.549
29/12/2020 00:00:00	♂	26°05'03" ♃	10°49'35"	00°48'36"	00°25'01"	0.872
29/12/2020 00:00:00	♃	02°06'05" ♃	-20°09'51"	-00°29'12"	00°13'33"	5.976
29/12/2020 00:00:00	♃	01°17'06" ♃	-20°14'48"	-00°23'06"	00°06'44"	10.881
29/12/2020 00:00:00	♃	06°50'14" ♃	13°22'07"	-00°27'07"	-00°00'50"	19.276
29/12/2020 00:00:00	♃	18°25'12" ♃	-05°34'31"	-01°04'56"	00°01'01"	30.238
29/12/2020 00:00:00	♃	24°05'26" ♃	-22°27'47"	-01°11'28"	00°01'56"	35.132
29/12/2020 00:00:00	♃	19°58'28" ♃	23°03'29"	00°00'00"	-00°00'20"	0.003
29/12/2020 00:00:00	♃	05°01'09" ♃	04°20'22"	02°33'18"	00°00'43"	18.887
29/12/2020 00:00:00	♃	07°38'58" ♃	10°50'13"	-03°24'20"	00°06'40"	0.003
29/12/2020 00:00:00	♃	19°58'28" ♃	23°03'29"	00°00'00"	-00°00'20"	0.003
29/12/2020 00:00:00	♃	00°09'15" ♃	07°45'04"	-04°01'36"	-00°01'59"	0.003
29/12/2020 00:00:00	X	23°28'02" ♃	-01°39'43"	-11°34'47"	-00°00'08"	95.672
29/12/2020 00:00:00	Y	27°43'14" ♃	07°55'45"	-12°00'45"	-00°00'27"	83.622
30/12/2020 00:00:00	♃	08°44'31" ♃	-23°08'55"	00°00'00"	01°01'07"	0.983
30/12/2020 00:00:00	♃	07°03'54" ♃	24°47'47" ♁	01°33'01"	12°35'58"	0.003
30/12/2020 00:00:00	♀	14°28'02" ♃	-24°41'00" ♁	-02°02'38"	01°37'10"	1.406
30/12/2020 00:00:00	♀	17°54'25" ♃	-22°08'58"	00°44'24"	01°15'07"	1.553



Ephemerides year 2020

30/12/2020 00:00:00	♂	26°30'13" ♏	10°59'54"	00°49'51"	00°25'19"	0.881
30/12/2020 00:00:00	♃	02°19'40" ♏	-20°06'50"	-00°29'16"	00°13'36"	5.982
30/12/2020 00:00:00	♃	01°23'52" ♏	-20°13'22"	-00°23'10"	00°06'46"	10.888
30/12/2020 00:00:00	♃	06°49'25" ♏	13°21'53"	-00°27'05"	-00°00'47"	19.291
30/12/2020 00:00:00	♃	18°26'14" ♏	-05°34'06"	-01°04'55"	00°01'03"	30.254
30/12/2020 00:00:00	♃	24°07'23" ♏	-22°27'32"	-01°11'33"	00°01'56"	35.137
30/12/2020 00:00:00	♁	19°57'37" ♏	23°03'25"	00°00'00"	-00°01'22"	0.003
30/12/2020 00:00:00	♃	05°01'54" ♏	04°20'28"	02°33'05"	00°00'46"	18.904
30/12/2020 00:00:00	♃	07°45'39" ♏	10°52'59"	-03°23'40"	00°06'40"	0.003
30/12/2020 00:00:00	♁	19°57'37" ♏	23°03'25"	00°00'00"	-00°01'22"	0.003
30/12/2020 00:00:00	♃	00°42'03" ♏	07°58'34"	-03°59'17"	01°12'50"	0.003
30/12/2020 00:00:00	X	23°27'54" ♏	-01°39'37"	-11°34'37"	-00°00'07"	95.689
30/12/2020 00:00:00	Y	27°42'47" ♏	07°55'45"	-12°00'39"	-00°00'27"	83.632
31/12/2020 00:00:00	♁	09°45'39" ♏	-23°04'39"	00°00'00"	01°01'08"	0.983
31/12/2020 00:00:00	♃	19°46'56" ♏	24°34'12" ♁	02°37'09"	12°50'06"	0.003
31/12/2020 00:00:00	♃	16°05'21" ♏	-24°31'45" ♁	-02°04'36"	01°37'25"	1.398
31/12/2020 00:00:00	♀	19°09'32" ♏	-22°17'50"	00°41'57"	01°15'07"	1.556
31/12/2020 00:00:00	♂	26°55'41" ♏	11°10'16"	00°51'05"	00°25'37"	0.890
31/12/2020 00:00:00	♃	02°33'18" ♏	-20°03'48"	-00°29'19"	00°13'39"	5.988

Ephemerides year 2020

31/12/2020 00:00:00	♃	01°30'39" ♊	-20°11'55"	-00°23'13"	00°06'48"	10.894
31/12/2020 00:00:00	♃	06°48'40" ♊	13°21'39"	-00°27'03"	-00°00'44"	19.306
31/12/2020 00:00:00	♃	18°27'18" ♊	-05°33'39"	-01°04'53"	00°01'04"	30.270
31/12/2020 00:00:00	♃	24°09'19" ♊	-22°27'16"	-01°11'37"	00°01'56"	35.142
31/12/2020 00:00:00	♃	19°55'44" ♊	23°03'17"	00°00'00"	-00°02'22"	0.003
31/12/2020 00:00:00	♃	05°02'42" ♊	04°20'36"	02°32'53"	00°00'49"	18.921
31/12/2020 00:00:00	♃	07°52'20" ♊	10°55'45"	-03°23'00"	00°06'40"	0.003
31/12/2020 00:00:00	♃	19°55'44" ♊	23°03'17"	00°00'00"	-00°02'22"	0.003
31/12/2020 00:00:00	♃	02°42'50" ♊	08°47'05"	-03°51'31"	02°51'03"	0.003
31/12/2020 00:00:00	X	23°27'46" ♊	-01°39'31"	-11°34'28"	-00°00'06"	95.705
31/12/2020 00:00:00	Y	27°42'20" ♊	07°55'45"	-12°00'33"	-00°00'26"	83.643