

GMT +00:00 Tropical Geocentric Long	Moon ☾	Sun ☉	Mercury ☿	Venus ♀	Mars ♂	Jupiter ♃	Saturn ♄	Uranus ♅	Neptune ♆	Pluto ♇	
Jan 1 2019	12°♌22'	10°♋15'	23°♊51'	23°♌29'	29°♋56'	11°♊46'	11°♋22'	28°♋36'	♌	14°♌04'	20°♋35'
Jan 2 2019	25°♌14'	11°♋16'	25°♊19'	24°♌28'	00°♋36'	11°♊58'	11°♋29'	28°♋36'		14°♌06'	20°♋37'
Jan 3 2019	07°♌53'	12°♋17'	26°♊47'	25°♌28'	01°♋16'	12°♊11'	11°♋36'	28°♋36'		14°♌07'	20°♋39'
Jan 4 2019	20°♌19'	13°♋18'	28°♊16'	26°♌28'	01°♋57'	12°♊23'	11°♋43'	28°♋36'		14°♌08'	20°♋41'
Jan 5 2019	02°♋35'	14°♋20'	29°♊46'	27°♌28'	02°♋37'	12°♊36'	11°♋50'	28°♋36'		14°♌10'	20°♋43'
Jan 6 2019	14°♋40'	15°♋21'	01°♋16'	28°♌29'	03°♋18'	12°♊48'	11°♋58'	28°♋36'		14°♌11'	20°♋45'
Jan 7 2019	26°♋38'	16°♋22'	02°♋46'	29°♌31'	03°♋58'	13°♊00'	12°♋05'	28°♋36'	♌	14°♌12'	20°♋47'
Jan 8 2019	08°♌30'	17°♋23'	04°♋17'	00°♊32'	04°♋38'	13°♊13'	12°♋12'	28°♋36'		14°♌14'	20°♋49'
Jan 9 2019	20°♌18'	18°♋24'	05°♋48'	01°♊34'	05°♋19'	13°♊25'	12°♋19'	28°♋36'		14°♌15'	20°♋51'
Jan 10 2019	02°♌06'	19°♋25'	07°♋20'	02°♊37'	05°♋59'	13°♊37'	12°♋26'	28°♋36'		14°♌17'	20°♋53'
Jan 11 2019	13°♌55'	20°♋27'	08°♋53'	03°♊39'	06°♋40'	13°♊49'	12°♋33'	28°♋36'		14°♌18'	20°♋55'
Jan 12 2019	25°♌50'	21°♋28'	10°♋25'	04°♊42'	07°♋21'	14°♊01'	12°♋40'	28°♋36'		14°♌20'	20°♋57'
Jan 13 2019	07°♋56'	22°♋29'	11°♋58'	05°♊46'	08°♋01'	14°♊13'	12°♋47'	28°♋36'		14°♌21'	20°♋59'
Jan 14 2019	20°♋16'	23°♋30'	13°♋32'	06°♊49'	08°♋42'	14°♊25'	12°♋54'	28°♋37'		14°♌23'	21°♋01'
Jan 15 2019	02°♋55'	24°♋31'	15°♋06'	07°♊53'	09°♋22'	14°♊37'	13°♋01'	28°♋37'		14°♌24'	21°♋03'
Jan 16 2019	15°♋57'	25°♋32'	16°♋40'	08°♊58'	10°♋03'	14°♊48'	13°♋08'	28°♋38'		14°♌26'	21°♋05'
Jan 17 2019	29°♋25'	26°♋33'	18°♋15'	10°♊02'	10°♋44'	15°♊00'	13°♋15'	28°♋38'		14°♌28'	21°♋07'
Jan 18 2019	13°♌21'	27°♋34'	19°♋51'	11°♊07'	11°♋24'	15°♊12'	13°♋22'	28°♋39'		14°♌29'	21°♋10'
Jan 19 2019	27°♌43'	28°♋36'	21°♋27'	12°♊12'	12°♋05'	15°♊23'	13°♋29'	28°♋39'		14°♌31'	21°♋12'
Jan 20 2019	12°♌29'	29°♋37'	23°♋04'	13°♊18'	12°♋45'	15°♊35'	13°♋36'	28°♋40'		14°♌33'	21°♋14'
Jan 21 2019	27°♌32'	00°♌38'	24°♋41'	14°♊23'	13°♋26'	15°♊46'	13°♋43'	28°♋41'		14°♌34'	21°♋16'
Jan 22 2019	12°♌43'	01°♌39'	26°♋18'	15°♊29'	14°♋07'	15°♊57'	13°♋50'	28°♋42'		14°♌36'	21°♋18'
Jan 23 2019	27°♌53'	02°♌40'	27°♋57'	16°♊35'	14°♋47'	16°♊09'	13°♋56'	28°♋42'		14°♌38'	21°♋20'
Jan 24 2019	12°♌52'	03°♌41'	29°♋35'	17°♊41'	15°♋28'	16°♊20'	14°♋03'	28°♋43'		14°♌40'	21°♋22'
Jan 25 2019	27°♌33'	04°♌42'	01°♌15'	18°♊48'	16°♋09'	16°♊31'	14°♋10'	28°♋44'		14°♌42'	21°♋24'
Jan 26 2019	11°♌52'	05°♌43'	02°♌55'	19°♊55'	16°♋49'	16°♊42'	14°♋17'	28°♋45'		14°♌44'	21°♋26'
Jan 27 2019	25°♌44'	06°♌44'	04°♌36'	21°♊02'	17°♋30'	16°♊53'	14°♋24'	28°♋46'		14°♌45'	21°♋27'
Jan 28 2019	09°♌11'	07°♌45'	06°♌17'	22°♊09'	18°♋11'	17°♊03'	14°♋30'	28°♋47'		14°♌47'	21°♋29'
Jan 29 2019	22°♌15'	08°♌46'	07°♌59'	23°♊16'	18°♋51'	17°♊14'	14°♋37'	28°♋48'		14°♌49'	21°♋31'
Jan 30 2019	04°♊58'	09°♌47'	09°♌42'	24°♊24'	19°♋32'	17°♊25'	14°♋44'	28°♋49'		14°♌51'	21°♋33'
Jan 31 2019	17°♊24'	10°♌48'	11°♌25'	25°♊31'	20°♋13'	17°♊35'	14°♋50'	28°♋51'		14°♌53'	21°♋35'
Feb 1 2019	29°♊36'	11°♌49'	13°♌09'	26°♊39'	20°♋53'	17°♊46'	14°♋57'	28°♋52'		14°♌55'	21°♋37'
Feb 2 2019	11°♋38'	12°♌49'	14°♌54'	27°♊47'	21°♋34'	17°♊56'	15°♋04'	28°♋53'		14°♌57'	21°♋39'
Feb 3 2019	23°♋33'	13°♌50'	16°♌39'	28°♊55'	22°♋14'	18°♊06'	15°♋10'	28°♋55'		14°♌59'	21°♋41'
Feb 4 2019	05°♌23'	14°♌51'	18°♌25'	00°♋04'	22°♋55'	18°♊16'	15°♋17'	28°♋56'		15°♌01'	21°♋43'
Feb 5 2019	17°♌11'	15°♌52'	20°♌11'	01°♋12'	23°♋36'	18°♊26'	15°♋23'	28°♋57'		15°♌03'	21°♋45'
Feb 6 2019	29°♌00'	16°♌53'	21°♌58'	02°♋21'	24°♋16'	18°♊36'	15°♋29'	28°♋59'		15°♌05'	21°♋47'
Feb 7 2019	10°♋49'	17°♌54'	23°♌46'	03°♋30'	24°♋57'	18°♊46'	15°♋36'	29°♋01'		15°♌07'	21°♋49'
Feb 8 2019	22°♋43'	18°♌55'	25°♌34'	04°♋39'	25°♋38'	18°♊56'	15°♋42'	29°♋02'		15°♌09'	21°♋50'
Feb 9 2019	04°♋43'	19°♌55'	27°♌22'	05°♋48'	26°♋18'	19°♊05'	15°♋48'	29°♋04'		15°♌11'	21°♋52'
Feb 10 2019	16°♋53'	20°♌56'	29°♌10'	06°♋57'	26°♋59'	19°♊15'	15°♋55'	29°♋05'		15°♌14'	21°♋54'
Feb 11 2019	29°♋14'	21°♌57'	00°♋59'	08°♋06'	27°♋39'	19°♊24'	16°♋01'	29°♋07'		15°♌16'	21°♋56'
Feb 12 2019	11°♋50'	22°♌58'	02°♋48'	09°♋15'	28°♋20'	19°♊34'	16°♋07'	29°♋09'		15°♌18'	21°♋58'
Feb 13 2019	24°♋46'	23°♌58'	04°♋36'	10°♋25'	29°♋01'	19°♊43'	16°♋13'	29°♋11'		15°♌20'	22°♋00'
Feb 14 2019	08°♌03'	24°♌59'	06°♋24'	11°♋35'	29°♋41'	19°♊52'	16°♋19'	29°♋13'		15°♌22'	22°♋01'
Feb 15 2019	21°♌46'	26°♌00'	08°♋11'	12°♋44'	00°♋22'	20°♊01'	16°♋25'	29°♋15'		15°♌24'	22°♋03'
Feb 16 2019	05°♌55'	27°♌00'	09°♋57'	13°♋54'	01°♋02'	20°♊09'	16°♋31'	29°♋17'		15°♌26'	22°♋05'
Feb 17 2019	20°♌29'	28°♌01'	11°♋42'	15°♋04'	01°♋43'	20°♊18'	16°♋37'	29°♋19'		15°♌29'	22°♋07'
Feb 18 2019	05°♌25'	29°♌01'	13°♋25'	16°♋14'	02°♋23'	20°♊27'	16°♋43'	29°♋21'		15°♌31'	22°♋08'
Feb 19 2019	20°♌35'	00°♋02'	15°♋06'	17°♋24'	03°♋04'	20°♊35'	16°♋49'	29°♋23'		15°♌33'	22°♋10'
Feb 20 2019	05°♌52'	01°♋02'	16°♋45'	18°♋34'	03°♋44'	20°♊43'	16°♋55'	29°♋25'		15°♌35'	22°♋12'
Feb 21 2019	21°♌03'	02°♋03'	18°♋20'	19°♋45'	04°♋25'	20°♊51'	17°♋00'	29°♋27'		15°♌37'	22°♋13'
Feb 22 2019	06°♌00'	03°♋03'	19°♋51'	20°♋55'	05°♋05'	20°♊59'	17°♋06'	29°♋29'		15°♌40'	22°♋15'
Feb 23 2019	20°♌34'	04°♋04'	21°♋18'	22°♋05'	05°♋46'	21°♊07'	17°♋12'	29°♋31'		15°♌42'	22°♋17'
Feb 24 2019	04°♌41'	05°♋04'	22°♋40'	23°♋16'	06°♋26'	21°♊15'	17°♋17'	29°♋34'		15°♌44'	22°♋18'
Feb 25 2019	18°♌18'	06°♋04'	23°♋56'	24°♋27'	07°♋06'	21°♊23'	17°♋23'	29°♋36'		15°♌46'	22°♋20'
Feb 26 2019	01°♊26'	07°♋05'	25°♋07'	25°♋37'	07°♋47'	21°♊30'	17°♋28'	29°♋38'		15°♌49'	22°♋21'
Feb 27 2019	14°♊10'	08°♋05'	26°♋10'	26°♋48'	08°♋27'	21°♊38'	17°♋33'	29°♋41'		15°♌51'	22°♋23'
Feb 28 2019	26°♊32'	09°♋05'	27°♋06'	27°♋59'	09°♋07'	21°♊45'	17°♋39'	29°♋43'		15°♌53'	22°♋24'
Mar 1 2019	08°♋39'	10°♋06'	27°♋53'	29°♋10'	09°♋48'	21°♊52'	17°♋44'	29°♋46'		15°♌55'	22°♋26'
Mar 2 2019	20°♋35'	11°♋06'	28°♋32'	00°♌21'	10°♋28'	21°♊59'	17°♋49'	29°♋48'		15°♌58'	22°♋27'
Mar 3 2019	02°♌24'	12°♋06'	29°♋03'	01°♌32'	11°♋08'	22°♊06'	17°♋54'	29°♋51'		16°♌00'	22°♋29'
Mar 4 2019	14°♌11'	13°♋06'	29°♋24'	02°♌43'	11°♋49'	22°♊12'	17°♋59'	29°♋53'		16°♌02'	22°♋30'

GMT +00:00 Tropical Geocentric Long	Moon ☾	Sun ☉	Mercury ☿	Venus ♀	Mars ♂	Jupiter ♃	Saturn ♄	Uranus ♅	Neptune ♆	Pluto ♇
Mar 5 2019	25° 58' 25"	14° 06' 14"	29° 36' 29"	03° 54' 03"	12° 29' 12"	22° 19' 22"	18° 04' 18"	29° 56' 29"	16° 05' 16"	22° 32' 22"
Mar 6 2019	07° 48' 07"	15° 07' 15"	29° 38' 29"	05° 06' 05"	13° 09' 13"	22° 25' 22"	18° 09' 18"	29° 59' 29"	16° 07' 16"	22° 33' 22"
Mar 7 2019	19° 44' 19"	16° 07' 16"	29° 31' 29"	06° 17' 06"	13° 50' 13"	22° 31' 22"	18° 14' 18"	00° 01' 00"	16° 09' 16"	22° 34' 22"
Mar 8 2019	01° 47' 01"	17° 07' 17"	29° 16' 29"	07° 28' 07"	14° 30' 14"	22° 37' 22"	18° 19' 18"	00° 04' 00"	16° 11' 16"	22° 36' 22"
Mar 9 2019	13° 57' 13"	18° 07' 18"	28° 51' 28"	08° 40' 08"	15° 10' 15"	22° 43' 22"	18° 23' 18"	00° 07' 00"	16° 14' 16"	22° 37' 22"
Mar 10 2019	26° 17' 26"	19° 07' 19"	28° 19' 28"	09° 51' 09"	15° 50' 15"	22° 49' 22"	18° 28' 18"	00° 09' 00"	16° 16' 16"	22° 38' 22"
Mar 11 2019	08° 47' 08"	20° 07' 20"	27° 40' 27"	11° 03' 11"	16° 30' 16"	22° 54' 22"	18° 33' 18"	00° 12' 00"	16° 18' 16"	22° 40' 22"
Mar 12 2019	21° 30' 21"	21° 07' 21"	26° 55' 26"	12° 14' 12"	17° 10' 17"	23° 00' 23"	18° 37' 18"	00° 15' 00"	16° 20' 16"	22° 41' 22"
Mar 13 2019	04° 27' 04"	22° 07' 22"	26° 05' 26"	13° 26' 13"	17° 51' 17"	23° 05' 23"	18° 41' 18"	00° 18' 00"	16° 23' 16"	22° 42' 22"
Mar 14 2019	17° 41' 17"	23° 07' 23"	25° 11' 25"	14° 37' 14"	18° 31' 18"	23° 10' 23"	18° 46' 18"	00° 21' 00"	16° 25' 16"	22° 43' 22"
Mar 15 2019	01° 14' 01"	24° 06' 24"	24° 15' 24"	15° 49' 15"	19° 11' 19"	23° 15' 23"	18° 50' 18"	00° 24' 00"	16° 27' 16"	22° 44' 22"
Mar 16 2019	15° 09' 15"	25° 06' 25"	23° 18' 23"	17° 01' 17"	19° 51' 19"	23° 20' 23"	18° 54' 18"	00° 27' 00"	16° 30' 16"	22° 46' 22"
Mar 17 2019	29° 25' 29"	26° 06' 26"	22° 20' 22"	18° 13' 18"	20° 31' 20"	23° 24' 23"	18° 58' 18"	00° 30' 00"	16° 32' 16"	22° 47' 22"
Mar 18 2019	14° 03' 14"	27° 06' 27"	21° 24' 21"	19° 24' 19"	21° 11' 21"	23° 28' 23"	19° 02' 19"	00° 33' 00"	16° 34' 16"	22° 48' 22"
Mar 19 2019	28° 56' 28"	28° 05' 28"	20° 31' 20"	20° 36' 20"	21° 51' 21"	23° 33' 23"	19° 06' 19"	00° 36' 00"	16° 36' 16"	22° 49' 22"
Mar 20 2019	14° 00' 14"	29° 05' 29"	19° 41' 19"	21° 48' 21"	22° 31' 22"	23° 37' 23"	19° 10' 19"	00° 39' 00"	16° 39' 16"	22° 50' 22"
Mar 21 2019	29° 04' 29"	00° 05' 00"	18° 55' 18"	23° 00' 23"	23° 11' 23"	23° 41' 23"	19° 14' 19"	00° 42' 00"	16° 41' 16"	22° 51' 22"
Mar 22 2019	14° 00' 14"	01° 04' 01"	18° 13' 18"	24° 12' 24"	23° 51' 23"	23° 44' 23"	19° 17' 19"	00° 45' 00"	16° 43' 16"	22° 52' 22"
Mar 23 2019	28° 38' 28"	02° 04' 02"	17° 37' 17"	25° 24' 25"	24° 31' 24"	23° 48' 23"	19° 21' 19"	00° 48' 00"	16° 45' 16"	22° 53' 22"
Mar 24 2019	12° 50' 12"	03° 03' 03"	17° 07' 17"	26° 36' 26"	25° 11' 25"	23° 51' 23"	19° 25' 19"	00° 51' 00"	16° 47' 16"	22° 54' 22"
Mar 25 2019	26° 35' 26"	04° 03' 04"	16° 43' 16"	27° 48' 27"	25° 50' 25"	23° 54' 23"	19° 28' 19"	00° 54' 00"	16° 50' 16"	22° 55' 22"
Mar 26 2019	09° 50' 09"	05° 02' 05"	16° 25' 16"	29° 00' 29"	26° 30' 26"	23° 57' 23"	19° 31' 19"	00° 57' 00"	16° 52' 16"	22° 56' 22"
Mar 27 2019	22° 38' 22"	06° 02' 06"	16° 13' 16"	00° 12' 00"	27° 10' 27"	24° 00' 24"	19° 35' 19"	01° 00' 01"	16° 54' 16"	22° 56' 22"
Mar 28 2019	05° 04' 05"	07° 01' 07"	16° 06' 16"	01° 25' 01"	27° 50' 27"	24° 03' 24"	19° 38' 19"	01° 04' 01"	16° 56' 16"	22° 57' 22"
Mar 29 2019	17° 12' 17"	08° 00' 08"	16° 06' 16"	02° 37' 02"	28° 30' 28"	24° 05' 24"	19° 41' 19"	01° 07' 01"	16° 58' 16"	22° 58' 22"
Mar 30 2019	29° 07' 29"	09° 00' 09"	16° 11' 16"	03° 49' 03"	29° 09' 29"	24° 08' 24"	19° 44' 19"	01° 10' 01"	17° 01' 17"	22° 59' 22"
Mar 31 2019	10° 56' 10"	09° 59' 09"	16° 22' 16"	05° 01' 05"	29° 49' 29"	24° 10' 24"	19° 47' 19"	01° 13' 01"	17° 03' 17"	23° 00' 23"
Apr 1 2019	22° 43' 22"	10° 58' 10"	16° 37' 16"	06° 14' 06"	00° 29' 00"	24° 12' 24"	19° 50' 19"	01° 17' 01"	17° 05' 17"	23° 00' 23"
Apr 2 2019	04° 32' 04"	11° 57' 11"	16° 58' 16"	07° 26' 07"	01° 09' 01"	24° 13' 24"	19° 52' 19"	01° 20' 01"	17° 07' 17"	23° 01' 23"
Apr 3 2019	16° 27' 16"	12° 57' 12"	17° 24' 17"	08° 38' 08"	01° 48' 01"	24° 15' 24"	19° 55' 19"	01° 23' 01"	17° 09' 17"	23° 02' 23"
Apr 4 2019	28° 30' 28"	13° 56' 13"	17° 54' 17"	09° 51' 09"	02° 28' 02"	24° 16' 24"	19° 58' 19"	01° 27' 01"	17° 11' 17"	23° 02' 23"
Apr 5 2019	10° 44' 10"	14° 55' 14"	18° 28' 18"	11° 03' 11"	03° 08' 03"	24° 17' 24"	20° 00' 20"	01° 30' 01"	17° 13' 17"	23° 03' 23"
Apr 6 2019	23° 08' 23"	15° 54' 15"	19° 06' 19"	12° 15' 12"	03° 47' 03"	24° 18' 24"	20° 02' 20"	01° 33' 01"	17° 15' 17"	23° 03' 23"
Apr 7 2019	05° 44' 05"	16° 53' 16"	19° 48' 19"	13° 28' 13"	04° 27' 04"	24° 19' 24"	20° 05' 20"	01° 37' 01"	17° 17' 17"	23° 04' 23"
Apr 8 2019	18° 31' 18"	17° 52' 17"	20° 34' 20"	14° 40' 14"	05° 06' 05"	24° 20' 24"	20° 07' 20"	01° 40' 01"	17° 19' 17"	23° 04' 23"
Apr 9 2019	01° 29' 01"	18° 51' 18"	21° 23' 21"	15° 53' 15"	05° 46' 05"	24° 20' 24"	20° 09' 20"	01° 43' 01"	17° 21' 17"	23° 05' 23"
Apr 10 2019	14° 39' 14"	19° 50' 19"	22° 16' 22"	17° 05' 17"	06° 26' 06"	24° 20' 24"	20° 11' 20"	01° 47' 01"	17° 23' 17"	23° 05' 23"
Apr 11 2019	28° 01' 28"	20° 49' 20"	23° 11' 23"	18° 18' 18"	07° 05' 07"	24° 21' 24"	20° 13' 20"	01° 50' 01"	17° 25' 17"	23° 06' 23"
Apr 12 2019	11° 36' 11"	21° 48' 21"	24° 10' 24"	19° 30' 19"	07° 45' 07"	24° 20' 24"	20° 15' 20"	01° 54' 01"	17° 27' 17"	23° 06' 23"
Apr 13 2019	25° 25' 25"	22° 47' 22"	25° 11' 25"	20° 43' 20"	08° 24' 08"	24° 20' 24"	20° 16' 20"	01° 57' 01"	17° 29' 17"	23° 07' 23"
Apr 14 2019	09° 30' 09"	23° 46' 23"	26° 15' 26"	21° 55' 21"	09° 03' 09"	24° 19' 24"	20° 18' 20"	02° 00' 02"	17° 31' 17"	23° 07' 23"
Apr 15 2019	23° 49' 23"	24° 44' 24"	27° 21' 27"	23° 08' 23"	09° 43' 09"	24° 19' 24"	20° 20' 20"	02° 04' 02"	17° 33' 17"	23° 07' 23"
Apr 16 2019	08° 21' 08"	25° 43' 25"	28° 30' 28"	24° 20' 24"	10° 22' 10"	24° 18' 24"	20° 21' 20"	02° 07' 02"	17° 35' 17"	23° 07' 23"
Apr 17 2019	23° 01' 23"	26° 42' 26"	29° 41' 29"	25° 33' 25"	11° 02' 11"	24° 17' 24"	20° 22' 20"	02° 11' 02"	17° 37' 17"	23° 08' 23"
Apr 18 2019	07° 44' 07"	27° 41' 27"	00° 55' 00"	26° 45' 26"	11° 41' 11"	24° 16' 24"	20° 24' 20"	02° 14' 02"	17° 39' 17"	23° 08' 23"
Apr 19 2019	22° 21' 22"	28° 39' 28"	02° 11' 02"	27° 58' 27"	12° 20' 12"	24° 14' 24"	20° 25' 20"	02° 18' 02"	17° 41' 17"	23° 08' 23"
Apr 20 2019	06° 45' 06"	29° 38' 29"	03° 28' 03"	29° 11' 29"	13° 00' 13"	24° 12' 24"	20° 26' 20"	02° 21' 02"	17° 42' 17"	23° 08' 23"
Apr 21 2019	20° 50' 20"	00° 36' 00"	04° 48' 04"	00° 23' 00"	13° 39' 13"	24° 11' 24"	20° 27' 20"	02° 24' 02"	17° 44' 17"	23° 08' 23"
Apr 22 2019	04° 31' 04"	01° 35' 01"	06° 10' 06"	01° 36' 01"	14° 18' 14"	24° 09' 24"	20° 27' 20"	02° 28' 02"	17° 46' 17"	23° 08' 23"
Apr 23 2019	17° 46' 17"	02° 33' 02"	07° 34' 07"	02° 48' 02"	14° 57' 14"	24° 06' 24"	20° 28' 20"	02° 31' 02"	17° 48' 17"	23° 09' 23"
Apr 24 2019	00° 36' 00"	03° 32' 03"	09° 00' 09"	04° 01' 04"	15° 37' 15"	24° 04' 24"	20° 29' 20"	02° 35' 02"	17° 49' 17"	23° 09' 23"
Apr 25 2019	13° 05' 13"	04° 30' 04"	10° 28' 10"	05° 14' 05"	16° 16' 16"	24° 01' 24"	20° 29' 20"	02° 38' 02"	17° 51' 17"	23° 09' 23"
Apr 26 2019	25° 15' 25"	05° 29' 05"	11° 58' 11"	06° 27' 06"	16° 55' 16"	23° 59' 23"	20° 30' 20"	02° 42' 02"	17° 53' 17"	23° 09' 23"
Apr 27 2019	07° 13' 07"	06° 27' 06"	13° 29' 13"	07° 39' 07"	17° 34' 17"	23° 56' 23"	20° 30' 20"	02° 45' 02"	17° 54' 17"	23° 09' 23"
Apr 28 2019	19° 04' 19"	07° 25' 07"	15° 03' 15"	08° 52' 08"	18° 13' 18"	23° 53' 23"	20° 30' 20"	02° 49' 02"	17° 56' 17"	23° 08' 23"
Apr 29 2019	00° 53' 00"	08° 24' 08"	16° 38' 16"	10° 05' 10"	18° 52' 18"	23° 50' 23"	20° 31' 20"	02° 52' 02"	17° 58' 17"	23° 08' 23"
Apr 30 2019	12° 45' 12"	09° 22' 09"	18° 15' 18"	11° 18' 11"	19° 31' 19"	23° 46' 23"	20° 31' 20"	02° 55' 02"	17° 59' 17"	23° 08' 23"
May 1 2019	24° 45' 24"	10° 20' 10"	19° 54' 19"	12° 30' 12"	20° 11' 20"	23° 42' 23"	20° 31' 20"	02° 59' 02"	18° 01' 18"	23° 08' 23"
May 2 2019	06° 55' 06"	11° 19' 11"	21° 34' 21"	13° 43' 13"	20° 50' 20"	23° 39' 23"	20° 30' 20"	03° 02' 03"	18° 02' 18"	23° 08' 23"
May 3 2019	19° 19' 19"	12° 17' 12"	23° 17' 23"	14° 56' 14"	21° 29' 21"	23° 35' 23"	20° 30' 20"	03° 06' 03"	18° 04' 18"	23° 08' 23"
May 4 2019	01° 57' 01"	13° 15' 13"	25° 01' 25"	16° 09' 16"	22° 08' 22"	23° 31' 23"	20° 30' 20"	03° 09' 03"	18° 05' 18"	23° 07' 23"
May 5 2019	14° 51' 14"	14° 13' 14"	26° 47' 26"	17° 21' 17"	22° 47' 22"	23° 26' 23"	20° 29' 20"	03° 12' 03"	18° 07' 18"	23° 07' 23"
May 6 2019	27° 58' 27"	15° 12' 15"	28° 35' 28"	18° 34' 18"	23° 26' 23"	23° 22' 23"	20° 29' 20"	03° 16' 03"	18° 08' 18"	23° 07' 23"

GMT +00:00 Tropical Geocentric Long	Moon ☾	Sun ☉	Mercury ☿	Venus ♀	Mars ♂	Jupiter ♃	Saturn ♄	Uranus ♅	Neptune ♆	Pluto ♇
May 7 2019	11° II 18'	16° 8 10'	00° 8 25'	19° 7 47'	24° II 05'	23° ♀ 17'	20° ♃ 28'	03° 8 19'	18° ♆ 10'	23° ♃ 06'
May 8 2019	24° II 49'	17° 8 08'	02° 8 17'	21° 7 00'	24° II 44'	23° ♀ 13'	20° ♃ 28'	03° 8 23'	18° ♆ 11'	23° ♃ 06'
May 9 2019	08° ☾ 30'	18° 8 06'	04° 8 10'	22° 7 13'	25° II 22'	23° ♀ 08'	20° ♃ 27'	03° 8 26'	18° ♆ 13'	23° ♃ 06'
May 10 2019	22° ☾ 19'	19° 8 04'	06° 8 06'	23° 7 26'	26° II 01'	23° ♀ 03'	20° ♃ 26'	03° 8 29'	18° ♆ 14'	23° ♃ 05'
May 11 2019	06° ♀ 16'	20° 8 02'	08° 8 03'	24° 7 38'	26° II 40'	22° ♀ 57'	20° ♃ 25'	03° 8 33'	18° ♆ 15'	23° ♃ 05'
May 12 2019	20° ♀ 20'	21° 8 00'	10° 8 02'	25° 7 51'	27° II 19'	22° ♀ 52'	20° ♃ 24'	03° 8 36'	18° ♆ 17'	23° ♃ 04'
May 13 2019	04° ♃ 31'	21° 8 58'	12° 8 03'	27° 7 04'	27° II 58'	22° ♀ 47'	20° ♃ 22'	03° 8 39'	18° ♆ 18'	23° ♃ 04'
May 14 2019	18° ♃ 46'	22° 8 56'	14° 8 05'	28° 7 17'	28° II 37'	22° ♀ 41'	20° ♃ 21'	03° 8 43'	18° ♆ 19'	23° ♃ 03'
May 15 2019	03° ♄ 04'	23° 8 54'	16° 8 09'	29° 7 30'	29° II 16'	22° ♀ 35'	20° ♃ 20'	03° 8 46'	18° ♆ 20'	23° ♃ 03'
May 16 2019	17° ♄ 20'	24° 8 51'	18° 8 14'	00° 8 43'	29° II 54'	22° ♀ 29'	20° ♃ 18'	03° 8 49'	18° ♆ 21'	23° ♃ 02'
May 17 2019	01° ♄ 30'	25° 8 49'	20° 8 21'	01° 8 56'	00° ☾ 33'	22° ♀ 23'	20° ♃ 17'	03° 8 52'	18° ♆ 23'	23° ♃ 02'
May 18 2019	15° ♄ 30'	26° 8 47'	22° 8 30'	03° 8 08'	01° ☾ 12'	22° ♀ 17'	20° ♃ 15'	03° 8 56'	18° ♆ 24'	23° ♃ 01'
May 19 2019	29° ♄ 14'	27° 8 45'	24° 8 39'	04° 8 21'	01° ☾ 51'	22° ♀ 11'	20° ♃ 13'	03° 8 59'	18° ♆ 25'	23° ♃ 00'
May 20 2019	12° ♀ 39'	28° 8 43'	26° 8 49'	05° 8 34'	02° ☾ 29'	22° ♀ 05'	20° ♃ 12'	04° 8 02'	18° ♆ 26'	23° ♃ 00'
May 21 2019	25° ♀ 44'	29° 8 40'	29° 8 00'	06° 8 47'	03° ☾ 08'	21° ♀ 58'	20° ♃ 10'	04° 8 05'	18° ♆ 27'	22° ♃ 59'
May 22 2019	08° ♃ 29'	00° II 38'	01° II 11'	08° 8 00'	03° ☾ 47'	21° ♀ 52'	20° ♃ 08'	04° 8 09'	18° ♆ 28'	22° ♃ 58'
May 23 2019	20° ♃ 56'	01° II 36'	03° II 23'	09° 8 13'	04° ☾ 25'	21° ♀ 45'	20° ♃ 05'	04° 8 12'	18° ♆ 29'	22° ♃ 57'
May 24 2019	03° ♃ 06'	02° II 33'	05° II 35'	10° 8 26'	05° ☾ 04'	21° ♀ 38'	20° ♃ 03'	04° 8 15'	18° ♆ 30'	22° ♃ 57'
May 25 2019	15° ♃ 06'	03° II 31'	07° II 46'	11° 8 39'	05° ☾ 43'	21° ♀ 31'	20° ♃ 01'	04° 8 18'	18° ♆ 31'	22° ♃ 56'
May 26 2019	26° ♃ 58'	04° II 29'	09° II 57'	12° 8 52'	06° ☾ 21'	21° ♀ 24'	19° ♃ 59'	04° 8 21'	18° ♆ 31'	22° ♃ 55'
May 27 2019	08° ♆ 49'	05° II 26'	12° II 06'	14° 8 05'	07° ☾ 00'	21° ♀ 17'	19° ♃ 56'	04° 8 24'	18° ♆ 32'	22° ♃ 54'
May 28 2019	20° ♆ 43'	06° II 24'	14° II 15'	15° 8 18'	07° ☾ 38'	21° ♀ 10'	19° ♃ 54'	04° 8 27'	18° ♆ 33'	22° ♃ 53'
May 29 2019	02° 7 45'	07° II 21'	16° II 22'	16° 8 31'	08° ☾ 17'	21° ♀ 03'	19° ♃ 51'	04° 8 30'	18° ♆ 34'	22° ♃ 52'
May 30 2019	15° 7 00'	08° II 19'	18° II 28'	17° 8 44'	08° ☾ 56'	20° ♀ 56'	19° ♃ 48'	04° 8 33'	18° ♆ 35'	22° ♃ 51'
May 31 2019	27° 7 30'	09° II 17'	20° II 31'	18° 8 57'	09° ☾ 34'	20° ♀ 49'	19° ♃ 46'	04° 8 36'	18° ♆ 35'	22° ♃ 50'
Jun 1 2019	10° 8 18'	10° II 14'	22° II 33'	20° 8 10'	10° ☾ 13'	20° ♀ 41'	19° ♃ 43'	04° 8 39'	18° ♆ 36'	22° ♃ 49'
Jun 2 2019	23° 8 26'	11° II 12'	24° II 33'	21° 8 23'	10° ☾ 51'	20° ♀ 34'	19° ♃ 40'	04° 8 42'	18° ♆ 37'	22° ♃ 48'
Jun 3 2019	06° II 51'	12° II 09'	26° II 30'	22° 8 36'	11° ☾ 30'	20° ♀ 26'	19° ♃ 37'	04° 8 45'	18° ♆ 37'	22° ♃ 47'
Jun 4 2019	20° II 34'	13° II 07'	28° II 25'	23° 8 49'	12° ☾ 08'	20° ♀ 19'	19° ♃ 34'	04° 8 48'	18° ♆ 38'	22° ♃ 46'
Jun 5 2019	04° ☾ 30'	14° II 04'	00° ☾ 18'	25° 8 02'	12° ☾ 47'	20° ♀ 11'	19° ♃ 31'	04° 8 51'	18° ♆ 38'	22° ♃ 45'
Jun 6 2019	18° ☾ 36'	15° II 02'	02° ☾ 08'	26° 8 15'	13° ☾ 25'	20° ♀ 04'	19° ♃ 28'	04° 8 54'	18° ♆ 39'	22° ♃ 44'
Jun 7 2019	02° ♀ 48'	15° II 59'	03° ☾ 55'	27° 8 28'	14° ☾ 03'	19° ♀ 56'	19° ♃ 24'	04° 8 56'	18° ♆ 39'	22° ♃ 43'
Jun 8 2019	17° ♀ 04'	16° II 57'	05° ☾ 40'	28° 8 41'	14° ☾ 42'	19° ♀ 48'	19° ♃ 21'	04° 8 59'	18° ♆ 40'	22° ♃ 42'
Jun 9 2019	01° ♃ 20'	17° II 54'	07° ☾ 23'	29° 8 55'	15° ☾ 20'	19° ♀ 41'	19° ♃ 18'	05° 8 02'	18° ♆ 40'	22° ♃ 41'
Jun 10 2019	15° ♃ 33'	18° II 51'	09° ☾ 02'	01° II 08'	15° ☾ 59'	19° ♀ 33'	19° ♃ 14'	05° 8 05'	18° ♆ 41'	22° ♃ 40'
Jun 11 2019	29° ♃ 43'	19° II 49'	10° ☾ 39'	02° II 21'	16° ☾ 37'	19° ♀ 26'	19° ♃ 11'	05° 8 07'	18° ♆ 41'	22° ♃ 39'
Jun 12 2019	13° ♄ 45'	20° II 46'	12° ☾ 13'	03° II 34'	17° ☾ 15'	19° ♀ 18'	19° ♃ 07'	05° 8 10'	18° ♆ 41'	22° ♃ 38'
Jun 13 2019	27° ♄ 40'	21° II 43'	13° ☾ 45'	04° II 47'	17° ☾ 54'	19° ♀ 10'	19° ♃ 04'	05° 8 13'	18° ♆ 42'	22° ♃ 36'
Jun 14 2019	11° ♄ 24'	22° II 41'	15° ☾ 14'	06° II 00'	18° ☾ 32'	19° ♀ 03'	19° ♃ 00'	05° 8 15'	18° ♆ 42'	22° ♃ 35'
Jun 15 2019	24° ♄ 57'	23° II 38'	16° ☾ 40'	07° II 13'	19° ☾ 11'	18° ♀ 55'	18° ♃ 56'	05° 8 18'	18° ♆ 42'	22° ♃ 34'
Jun 16 2019	08° ♀ 15'	24° II 35'	18° ☾ 03'	08° II 27'	19° ☾ 49'	18° ♀ 47'	18° ♃ 52'	05° 8 20'	18° ♆ 42'	22° ♃ 33'
Jun 17 2019	21° ♀ 19'	25° II 33'	19° ☾ 23'	09° II 40'	20° ☾ 27'	18° ♀ 40'	18° ♃ 49'	05° 8 23'	18° ♆ 43'	22° ♃ 31'
Jun 18 2019	04° ♃ 07'	26° II 30'	20° ☾ 41'	10° II 53'	21° ☾ 05'	18° ♀ 32'	18° ♃ 45'	05° 8 25'	18° ♆ 43'	22° ♃ 30'
Jun 19 2019	16° ♃ 40'	27° II 27'	21° ☾ 55'	12° II 06'	21° ☾ 44'	18° ♀ 25'	18° ♃ 41'	05° 8 28'	18° ♆ 43'	22° ♃ 29'
Jun 20 2019	28° ♃ 58'	28° II 24'	23° ☾ 07'	13° II 19'	22° ☾ 22'	18° ♀ 17'	18° ♃ 37'	05° 8 30'	18° ♆ 43'	22° ♃ 28'
Jun 21 2019	11° ♃ 05'	29° II 22'	24° ☾ 16'	14° II 33'	23° ☾ 00'	18° ♀ 10'	18° ♃ 33'	05° 8 32'	18° ♆ 43'	22° ♃ 26'
Jun 22 2019	23° ♃ 03'	00° ☾ 19'	25° ☾ 21'	15° II 46'	23° ☾ 38'	18° ♀ 03'	18° ♃ 29'	05° 8 35'	18° ♆ 43'	22° ♃ 25'
Jun 23 2019	04° ♆ 55'	01° ☾ 16'	26° ☾ 23'	16° II 59'	24° ☾ 17'	17° ♀ 55'	18° ♃ 25'	05° 8 37'	18° ♆ 43'	22° ♃ 24'
Jun 24 2019	16° ♆ 46'	02° ☾ 13'	27° ☾ 22'	18° II 12'	24° ☾ 55'	17° ♀ 48'	18° ♃ 21'	05° 8 39'	18° ♆ 43'	22° ♃ 22'
Jun 25 2019	28° ♆ 41'	03° ☾ 11'	28° ☾ 18'	19° II 26'	25° ☾ 33'	17° ♀ 41'	18° ♃ 16'	05° 8 41'	18° ♆ 43'	22° ♃ 21'
Jun 26 2019	10° 7 43'	04° ☾ 08'	29° ☾ 10'	20° II 39'	26° ☾ 11'	17° ♀ 34'	18° ♃ 12'	05° 8 44'	18° ♆ 43'	22° ♃ 20'
Jun 27 2019	22° 7 58'	05° ☾ 05'	29° ☾ 59'	21° II 52'	26° ☾ 50'	17° ♀ 27'	18° ♃ 08'	05° 8 46'	18° ♆ 42'	22° ♃ 18'
Jun 28 2019	05° 8 30'	06° ☾ 02'	00° ♀ 44'	23° II 06'	27° ☾ 28'	17° ♀ 20'	18° ♃ 04'	05° 8 48'	18° ♆ 42'	22° ♃ 17'
Jun 29 2019	18° 8 21'	06° ☾ 59'	01° ♀ 25'	24° II 19'	28° ☾ 06'	17° ♀ 13'	17° ♃ 59'	05° 8 50'	18° ♆ 42'	22° ♃ 16'
Jun 30 2019	01° II 35'	07° ☾ 57'	02° ♀ 03'	25° II 32'	28° ☾ 44'	17° ♀ 06'	17° ♃ 55'	05° 8 52'	18° ♆ 42'	22° ♃ 14'
Jul 1 2019	15° II 12'	08° ☾ 54'	02° ♀ 36'	26° II 46'	29° ☾ 22'	17° ♀ 00'	17° ♃ 51'	05° 8 54'	18° ♆ 42'	22° ♃ 13'
Jul 2 2019	29° II 10'	09° ☾ 51'	03° ♀ 05'	27° II 59'	00° ♀ 01'	16° ♀ 53'	17° ♃ 46'	05° 8 56'	18° ♆ 41'	22° ♃ 11'
Jul 3 2019	13° ☾ 27'	10° ☾ 48'	03° ♀ 30'	29° II 13'	00° ♀ 39'	16° ♀ 46'	17° ♃ 42'	05° 8 58'	18° ♆ 41'	22° ♃ 10'
Jul 4 2019	27° ☾ 58'	11° ☾ 46'	03° ♀ 51'	00° ☾ 26'	01° ♀ 17'	16° ♀ 40'	17° ♃ 38'	06° 8 00'	18° ♆ 40'	22° ♃ 08'
Jul 5 2019	12° ♀ 37'	12° ☾ 43'	04° ♀ 07'	01° ☾ 40'	01° ♀ 55'	16° ♀ 34'	17° ♃ 33'	06° 8 01'	18° ♆ 40'	22° ♃ 07'
Jul 6 2019	27° ♀ 18'	13° ☾ 40'	04° ♀ 18'	02° ☾ 53'	02° ♀ 33'	16° ♀ 28'	17° ♃ 29'	06° 8 03'	18° ♆ 40'	22° ♃ 06'
Jul 7 2019	11° ♃ 54'	14° ☾ 37'	04° ♀ 25'	04° ☾ 07'	03° ♀ 11'	16° ♀ 22'	17° ♃ 24'	06° 8 05'	18° ♆ 39'	22° ♃ 04'
Jul 8 2019	26° ♃ 21'	15° ☾ 34'	04° ♀ 27'	05° ☾ 20'	03° ♀ 50'	16° ♀ 16'	17° ♃ 20'	06° 8 07'	18° ♆ 39'	22° ♃ 03'

GMT +00:00 Tropical Geocentric Long	Moon ☾	Sun ☉	Mercury ☿	Venus ♀	Mars ♂	Jupiter ♃	Saturn ♄	Uranus ♅	Neptune ♆	Pluto ♇
Jul 9 2019	10°♈34'	16°♋32'	04°♌25'	06°♌34'	04°♌28'	16°♌10'	17°♌16'	06°♌08'	18°♌38'	22°♌01'
Jul 10 2019	24°♈33'	17°♋29'	04°♌18'	07°♌47'	05°♌06'	16°♌05'	17°♌11'	06°♌10'	18°♌38'	22°♌00'
Jul 11 2019	08°♌15'	18°♋26'	04°♌06'	09°♌01'	05°♌44'	15°♌59'	17°♌07'	06°♌11'	18°♌37'	21°♌58'
Jul 12 2019	21°♌41'	19°♋23'	03°♌49'	10°♌14'	06°♌22'	15°♌54'	17°♌02'	06°♌13'	18°♌36'	21°♌57'
Jul 13 2019	04°♌51'	20°♋20'	03°♌29'	11°♌28'	07°♌00'	15°♌49'	16°♌58'	06°♌14'	18°♌36'	21°♌55'
Jul 14 2019	17°♌47'	21°♋18'	03°♌04'	12°♌41'	07°♌38'	15°♌44'	16°♌54'	06°♌16'	18°♌35'	21°♌54'
Jul 15 2019	00°♌29'	22°♋15'	02°♌35'	13°♌55'	08°♌16'	15°♌39'	16°♌49'	06°♌17'	18°♌34'	21°♌53'
Jul 16 2019	12°♌58'	23°♋12'	02°♌03'	15°♌09'	08°♌54'	15°♌34'	16°♌45'	06°♌18'	18°♌34'	21°♌51'
Jul 17 2019	25°♌16'	24°♋09'	01°♌28'	16°♌22'	09°♌32'	15°♌29'	16°♌40'	06°♌20'	18°♌33'	21°♌50'
Jul 18 2019	07°♌24'	25°♋07'	00°♌51'	17°♌36'	10°♌11'	15°♌25'	16°♌36'	06°♌21'	18°♌32'	21°♌48'
Jul 19 2019	19°♌25'	26°♋04'	00°♌11'	18°♌50'	10°♌49'	15°♌21'	16°♌32'	06°♌22'	18°♌31'	21°♌47'
Jul 20 2019	01°♌19'	27°♋01'	29°♋31'	20°♌03'	11°♌27'	15°♌16'	16°♌27'	06°♌23'	18°♌30'	21°♌45'
Jul 21 2019	13°♌10'	27°♋58'	28°♋50'	21°♌17'	12°♌05'	15°♌12'	16°♌23'	06°♌24'	18°♌29'	21°♌44'
Jul 22 2019	25°♌01'	28°♋55'	28°♋09'	22°♌31'	12°♌43'	15°♌09'	16°♌19'	06°♌25'	18°♌28'	21°♌42'
Jul 23 2019	06°♌56'	29°♋53'	27°♋29'	23°♌45'	13°♌21'	15°♌05'	16°♌15'	06°♌26'	18°♌28'	21°♌41'
Jul 24 2019	18°♌57'	00°♌50'	26°♋50'	24°♌58'	13°♌59'	15°♌02'	16°♌10'	06°♌27'	18°♌27'	21°♌39'
Jul 25 2019	01°♌10'	01°♌47'	26°♋14'	26°♌12'	14°♌37'	14°♌58'	16°♌06'	06°♌28'	18°♌26'	21°♌38'
Jul 26 2019	13°♌39'	02°♌45'	25°♋41'	27°♌26'	15°♌15'	14°♌55'	16°♌02'	06°♌29'	18°♌25'	21°♌37'
Jul 27 2019	26°♌28'	03°♌42'	25°♋12'	28°♌40'	15°♌53'	14°♌52'	15°♌58'	06°♌30'	18°♌24'	21°♌35'
Jul 28 2019	09°♌40'	04°♌39'	24°♋46'	29°♌54'	16°♌31'	14°♌49'	15°♌54'	06°♌31'	18°♌23'	21°♌34'
Jul 29 2019	23°♌18'	05°♌37'	24°♋26'	01°♌08'	17°♌09'	14°♌47'	15°♌50'	06°♌32'	18°♌21'	21°♌32'
Jul 30 2019	07°♌22'	06°♌34'	24°♋10'	02°♌21'	17°♌47'	14°♌44'	15°♌46'	06°♌32'	18°♌20'	21°♌31'
Jul 31 2019	21°♌50'	07°♌31'	24°♋00'	03°♌35'	18°♌25'	14°♌42'	15°♌42'	06°♌33'	18°♌19'	21°♌30'
Aug 1 2019	06°♌37'	08°♌29'	23°♋56'	04°♌49'	19°♌04'	14°♌40'	15°♌38'	06°♌33'	18°♌18'	21°♌28'
Aug 2 2019	21°♌37'	09°♌26'	23°♋59' D	06°♌03'	19°♌42'	14°♌38'	15°♌34'	06°♌34'	18°♌17'	21°♌27'
Aug 3 2019	06°♌41'	10°♌24'	24°♋07'	07°♌17'	20°♌20'	14°♌37'	15°♌30'	06°♌34'	18°♌16'	21°♌25'
Aug 4 2019	21°♌40'	11°♌21'	24°♋22'	08°♌31'	20°♌58'	14°♌35'	15°♌26'	06°♌35'	18°♌14'	21°♌24'
Aug 5 2019	06°♌25'	12°♌19'	24°♋43'	09°♌45'	21°♌36'	14°♌34'	15°♌23'	06°♌35'	18°♌13'	21°♌23'
Aug 6 2019	20°♌51'	13°♌16'	25°♋11'	10°♌59'	22°♌14'	14°♌33'	15°♌19'	06°♌36'	18°♌12'	21°♌21'
Aug 7 2019	04°♌55'	14°♌13'	25°♋45'	12°♌13'	22°♌52'	14°♌32'	15°♌16'	06°♌36'	18°♌11'	21°♌20'
Aug 8 2019	18°♌35'	15°♌11'	26°♋26'	13°♌27'	23°♌30'	14°♌31'	15°♌12'	06°♌36'	18°♌09'	21°♌19'
Aug 9 2019	01°♌52'	16°♌08'	27°♋13'	14°♌41'	24°♌08'	14°♌30'	15°♌09'	06°♌36'	18°♌08'	21°♌17'
Aug 10 2019	14°♌49'	17°♌06'	28°♋06'	15°♌55'	24°♌46'	14°♌30'	15°♌05'	06°♌36'	18°♌07'	21°♌16'
Aug 11 2019	27°♌28'	18°♌04'	29°♋06'	17°♌10'	25°♌24'	14°♌30'	15°♌02'	06°♌36'	18°♌05'	21°♌15'
Aug 12 2019	09°♌54'	19°♌01'	00°♌12'	18°♌24'	26°♌02'	14°♌30' D	14°♌58'	06°♌36'	18°♌04'	21°♌14'
Aug 13 2019	22°♌08'	19°♌59'	01°♌23'	19°♌38'	26°♌41'	14°♌30'	14°♌55'	06°♌36' R	18°♌03'	21°♌12'
Aug 14 2019	04°♌13'	20°♌56'	02°♌40'	20°♌52'	27°♌19'	14°♌30'	14°♌52'	06°♌36'	18°♌01'	21°♌11'
Aug 15 2019	16°♌12'	21°♌54'	04°♌03'	22°♌06'	27°♌57'	14°♌31'	14°♌49'	06°♌36'	18°♌00'	21°♌10'
Aug 16 2019	28°♌06'	22°♌51'	05°♌30'	23°♌20'	28°♌35'	14°♌32'	14°♌46'	06°♌36'	17°♌58'	21°♌09'
Aug 17 2019	09°♌58'	23°♌49'	07°♌03'	24°♌34'	29°♌13'	14°♌33'	14°♌43'	06°♌36'	17°♌57'	21°♌08'
Aug 18 2019	21°♌49'	24°♌47'	08°♌40'	25°♌49'	29°♌51'	14°♌34'	14°♌40'	06°♌36'	17°♌55'	21°♌06'
Aug 19 2019	03°♌41'	25°♌44'	10°♌20'	27°♌03'	00°♌29'	14°♌35'	14°♌37'	06°♌35'	17°♌54'	21°♌05'
Aug 20 2019	15°♌37'	26°♌42'	12°♌05'	28°♌17'	01°♌07'	14°♌36'	14°♌35'	06°♌35'	17°♌52'	21°♌04'
Aug 21 2019	27°♌40'	27°♌40'	13°♌53'	29°♌31'	01°♌45'	14°♌38'	14°♌32'	06°♌34'	17°♌51'	21°♌03'
Aug 22 2019	09°♌52'	28°♌38'	15°♌43'	00°♌46'	02°♌24'	14°♌40'	14°♌30'	06°♌34'	17°♌49'	21°♌02'
Aug 23 2019	22°♌18'	29°♌35'	17°♌36'	02°♌00'	03°♌02'	14°♌42'	14°♌27'	06°♌33'	17°♌48'	21°♌01'
Aug 24 2019	05°♌02'	00°♌33'	19°♌31'	03°♌14'	03°♌40'	14°♌44'	14°♌25'	06°♌33'	17°♌46'	21°♌00'
Aug 25 2019	18°♌08'	01°♌31'	21°♌27'	04°♌28'	04°♌18'	14°♌46'	14°♌22'	06°♌32'	17°♌45'	20°♌59'
Aug 26 2019	01°♌39'	02°♌29'	23°♌25'	05°♌43'	04°♌56'	14°♌49'	14°♌20'	06°♌32'	17°♌43'	20°♌58'
Aug 27 2019	15°♌38'	03°♌27'	25°♌23'	06°♌57'	05°♌34'	14°♌52'	14°♌18'	06°♌31'	17°♌41'	20°♌57'
Aug 28 2019	00°♌04'	04°♌25'	27°♌22'	08°♌11'	06°♌13'	14°♌55'	14°♌16'	06°♌30'	17°♌40'	20°♌56'
Aug 29 2019	14°♌53'	05°♌23'	29°♌21'	09°♌26'	06°♌51'	14°♌58'	14°♌14'	06°♌29'	17°♌38'	20°♌55'
Aug 30 2019	00°♌01'	06°♌21'	01°♌20'	10°♌40'	07°♌29'	15°♌01'	14°♌12'	06°♌29'	17°♌37'	20°♌54'
Aug 31 2019	15°♌18'	07°♌19'	03°♌18'	11°♌55'	08°♌07'	15°♌04'	14°♌10'	06°♌28'	17°♌35'	20°♌53'
Sep 1 2019	00°♌32'	08°♌17'	05°♌17'	13°♌09'	08°♌45'	15°♌08'	14°♌09'	06°♌27'	17°♌33'	20°♌52'
Sep 2 2019	15°♌34'	09°♌15'	07°♌14'	14°♌23'	09°♌24'	15°♌12'	14°♌07'	06°♌26'	17°♌32'	20°♌51'
Sep 3 2019	00°♌15'	10°♌13'	09°♌11'	15°♌38'	10°♌02'	15°♌16'	14°♌05'	06°♌25'	17°♌30'	20°♌51'
Sep 4 2019	14°♌29'	11°♌11'	11°♌07'	16°♌52'	10°♌40'	15°♌20'	14°♌04'	06°♌24'	17°♌29'	20°♌50'
Sep 5 2019	28°♌14'	12°♌09'	13°♌02'	18°♌07'	11°♌18'	15°♌24'	14°♌03'	06°♌23'	17°♌27'	20°♌49'
Sep 6 2019	11°♌31'	13°♌07'	14°♌56'	19°♌21'	11°♌57'	15°♌29'	14°♌01'	06°♌21'	17°♌25'	20°♌48'
Sep 7 2019	24°♌24'	14°♌05'	16°♌49'	20°♌36'	12°♌35'	15°♌33'	14°♌00'	06°♌20'	17°♌24'	20°♌47'
Sep 8 2019	06°♌57'	15°♌04'	18°♌41'	21°♌50'	13°♌13'	15°♌38'	13°♌59'	06°♌19'	17°♌22'	20°♌47'
Sep 9 2019	19°♌13'	16°♌02'	20°♌31'	23°♌05'	13°♌51'	15°♌43'	13°♌58'	06°♌18'	17°♌20'	20°♌46'

GMT +00:00 Tropical Geocentric Long	Moon ☾	Sun ☉	Mercury ☿	Venus ♀	Mars ♂	Jupiter ♃	Saturn ♄	Uranus ♅	Neptune ♆	Pluto ♇
Sep 10 2019	01°≈18'	17°♈00'	22°♈21'	24°♈19'	14°♈30'	15°♈48'	13°♈57'	06°♁16'	17°♁19'	20°♈45'
Sep 11 2019	13°≈15'	17°♈58'	24°♈10'	25°♈33'	15°♈08'	15°♈53'	13°♈57'	06°♁15'	17°♁17'	20°♈45'
Sep 12 2019	25°≈07'	18°♈57'	25°♈57'	26°♈48'	15°♈46'	15°♈59'	13°♈56'	06°♁14'	17°♁15'	20°♈44'
Sep 13 2019	06°≈58'	19°♈55'	27°♈43'	28°♈02'	16°♈25'	16°♈04'	13°♈55'	06°♁12'	17°♁14'	20°♈43'
Sep 14 2019	18°≈50'	20°♈53'	29°♈28'	29°♈17'	17°♈03'	16°♈10'	13°♈55'	06°♁11'	17°♁12'	20°♈43'
Sep 15 2019	00°≈43'	21°♈52'	01°♁12'	00°♁31'	17°♈41'	16°♈16'	13°♈55'	06°♁09'	17°♁10'	20°♈42'
Sep 16 2019	12°≈40'	22°♈50'	02°♁55'	01°♁46'	18°♈20'	16°♈22'	13°♈54'	06°♁08'	17°♁09'	20°♈42'
Sep 17 2019	24°≈41'	23°♈49'	04°♁37'	03°♁00'	18°♈58'	16°♈28'	13°♈54'	06°♁06'	17°♁07'	20°♈41'
Sep 18 2019	06°♁50'	24°♈47'	06°♁17'	04°♁15'	19°♈36'	16°♈35'	13°♈54'	06°♁04'	17°♁05'	20°♈41'
Sep 19 2019	19°♁07'	25°♈46'	07°♁57'	05°♁29'	20°♈15'	16°♈41'	13°♈54'	06°♁03'	17°♁04'	20°♈41'
Sep 20 2019	01°♁35'	26°♈44'	09°♁36'	06°♁44'	20°♈53'	16°♈48'	13°♈54'	06°♁01'	17°♁02'	20°♈40'
Sep 21 2019	14°♁18'	27°♈43'	11°♁13'	07°♁59'	21°♈32'	16°♈55'	13°♈54'	05°♁59'	17°♁01'	20°♈40'
Sep 22 2019	27°♁20'	28°♈42'	12°♁50'	09°♁13'	22°♈10'	17°♈02'	13°♈55'	05°♁57'	16°♁59'	20°♈39'
Sep 23 2019	10°♁43'	29°♈40'	14°♁26'	10°♁28'	22°♈49'	17°♈09'	13°♈55'	05°♁56'	16°♁57'	20°♈39'
Sep 24 2019	24°♁31'	00°♁39'	16°♁00'	11°♁42'	23°♈27'	17°♈16'	13°♈56'	05°♁54'	16°♁56'	20°♈39'
Sep 25 2019	08°♁45'	01°♁38'	17°♁34'	12°♁57'	24°♈05'	17°♈23'	13°♈56'	05°♁52'	16°♁54'	20°♈39'
Sep 26 2019	23°♁24'	02°♁37'	19°♁07'	14°♁11'	24°♈44'	17°♈31'	13°♈57'	05°♁50'	16°♁53'	20°♈38'
Sep 27 2019	08°♈24'	03°♁35'	20°♁39'	15°♁26'	25°♈23'	17°♈38'	13°♈58'	05°♁48'	16°♁51'	20°♈38'
Sep 28 2019	23°♈36'	04°♁34'	22°♁10'	16°♁40'	26°♈01'	17°♈46'	13°♈59'	05°♁46'	16°♁49'	20°♈38'
Sep 29 2019	08°♁51'	05°♁33'	23°♁40'	17°♁55'	26°♈40'	17°♈54'	14°♈00'	05°♁44'	16°♁48'	20°♈38'
Sep 30 2019	23°♁58'	06°♁32'	25°♁09'	19°♁10'	27°♈18'	18°♈02'	14°♈01'	05°♁42'	16°♁46'	20°♈38'
Oct 1 2019	08°♈46'	07°♁31'	26°♁37'	20°♁24'	27°♈57'	18°♈10'	14°♈02'	05°♁40'	16°♁45'	20°♈38'
Oct 2 2019	23°♈08'	08°♁30'	28°♁04'	21°♁39'	28°♈35'	18°♈19'	14°♈03'	05°♁38'	16°♁43'	20°♈38'
Oct 3 2019	07°♈01'	09°♁29'	29°♁30'	22°♁53'	29°♈14'	18°♈27'	14°♈05'	05°♁36'	16°♁42'	20°♈38'
Oct 4 2019	20°♈24'	10°♁28'	00°♈55'	24°♁08'	29°♈52'	18°♈36'	14°♈06'	05°♁33'	16°♁40'	20°♈38'
Oct 5 2019	03°♈20'	11°♁27'	02°♈20'	25°♁23'	00°♁31'	18°♈44'	14°♈08'	05°♁31'	16°♁39'	20°♈38'
Oct 6 2019	15°♈53'	12°♁26'	03°♈43'	26°♁37'	01°♁10'	18°♈53'	14°♈09'	05°♁29'	16°♁37'	20°♈38'
Oct 7 2019	28°♈08'	13°♁26'	05°♈05'	27°♁52'	01°♁48'	19°♈02'	14°♈11'	05°♁27'	16°♁36'	20°♈38'
Oct 8 2019	10°≈09'	14°♁25'	06°♈26'	29°♁06'	02°♁27'	19°♈11'	14°♈13'	05°♁25'	16°♁35'	20°♈38'
Oct 9 2019	22°≈03'	15°♁24'	07°♈46'	00°♈21'	03°♁06'	19°♈20'	14°♈15'	05°♁22'	16°♁33'	20°♈38'
Oct 10 2019	03°≈54'	16°♁23'	09°♈05'	01°♈36'	03°♁44'	19°♈30'	14°♈17'	05°♁20'	16°♁32'	20°♈38'
Oct 11 2019	15°≈44'	17°♁22'	10°♈22'	02°♈50'	04°♁23'	19°♈39'	14°♈19'	05°♁18'	16°♁30'	20°♈38'
Oct 12 2019	27°≈37'	18°♁22'	11°♈38'	04°♈05'	05°♁02'	19°♈49'	14°♈22'	05°♁16'	16°♁29'	20°♈39'
Oct 13 2019	09°≈36'	19°♁21'	12°♈53'	05°♈19'	05°♁41'	19°♈58'	14°♈24'	05°♁13'	16°♁28'	20°♈39'
Oct 14 2019	21°≈40'	20°♁20'	14°♈06'	06°♈34'	06°♁19'	20°♈08'	14°♈26'	05°♁11'	16°♁26'	20°♈39'
Oct 15 2019	03°♁52'	21°♁20'	15°♈18'	07°♈48'	06°♁58'	20°♈18'	14°♈29'	05°♁08'	16°♁25'	20°♈40'
Oct 16 2019	16°♁12'	22°♁19'	16°♈28'	09°♈03'	07°♁37'	20°♈28'	14°♈31'	05°♁06'	16°♁24'	20°♈40'
Oct 17 2019	28°♁41'	23°♁19'	17°♈35'	10°♈18'	08°♁16'	20°♈38'	14°♈34'	05°♁04'	16°♁23'	20°♈40'
Oct 18 2019	11°♁20'	24°♁18'	18°♈41'	11°♈32'	08°♁55'	20°♈48'	14°♈37'	05°♁01'	16°♁21'	20°♈41'
Oct 19 2019	24°♁11'	25°♁18'	19°♈45'	12°♈47'	09°♁33'	20°♈58'	14°♈40'	04°♁59'	16°♁20'	20°♈41'
Oct 20 2019	07°♁16'	26°♁17'	20°♈46'	14°♈01'	10°♁12'	21°♈09'	14°♈43'	04°♁56'	16°♁19'	20°♈42'
Oct 21 2019	20°♁38'	27°♁17'	21°♈44'	15°♈16'	10°♁51'	21°♈19'	14°♈46'	04°♁54'	16°♁18'	20°♈42'
Oct 22 2019	04°♁19'	28°♁17'	22°♈39'	16°♈30'	11°♁30'	21°♈30'	14°♈49'	04°♁52'	16°♁17'	20°♈43'
Oct 23 2019	18°♁21'	29°♁16'	23°♈31'	17°♈45'	12°♁09'	21°♈41'	14°♈52'	04°♁49'	16°♁16'	20°♈43'
Oct 24 2019	02°♈43'	00°♈16'	24°♈20'	19°♈00'	12°♁48'	21°♈51'	14°♈56'	04°♁47'	16°♁15'	20°♈44'
Oct 25 2019	17°♈23'	01°♈16'	25°♈04'	20°♈14'	13°♁27'	22°♈02'	14°♈59'	04°♁44'	16°♁13'	20°♈45'
Oct 26 2019	02°♁17'	02°♈16'	25°♈43'	21°♈29'	14°♁06'	22°♈13'	15°♈03'	04°♁42'	16°♁12'	20°♈45'
Oct 27 2019	17°♁15'	03°♈16'	26°♈18'	22°♈43'	14°♁45'	22°♈24'	15°♈06'	04°♁39'	16°♁11'	20°♈46'
Oct 28 2019	02°♈10'	04°♈15'	26°♈47'	23°♈58'	15°♁24'	22°♈35'	15°♈10'	04°♁37'	16°♁10'	20°♈47'
Oct 29 2019	16°♈51'	05°♈15'	27°♈10'	25°♈12'	16°♁03'	22°♈46'	15°♈14'	04°♁34'	16°♁09'	20°♈47'
Oct 30 2019	01°♈11'	06°♈15'	27°♈27'	26°♈27'	16°♁42'	22°♈58'	15°♈18'	04°♁32'	16°♁09'	20°♈48'
Oct 31 2019	15°♈06'	07°♈15'	27°♈36'	27°♈42'	17°♁21'	23°♈09'	15°♈21'	04°♁29'	16°♁08'	20°♈49'
Nov 1 2019	28°♈33'	08°♈15'	27°♈37'	28°♈56'	18°♁00'	23°♈21'	15°♈25'	04°♁27'	16°♁07'	20°♈50'
Nov 2 2019	11°♈33'	09°♈15'	27°♈30'	00°♈11'	18°♁39'	23°♈32'	15°♈30'	04°♁25'	16°♁06'	20°♈51'
Nov 3 2019	24°♈09'	10°♈15'	27°♈14'	01°♈25'	19°♁18'	23°♈44'	15°♈34'	04°♁22'	16°♁05'	20°♈51'
Nov 4 2019	06°≈27'	11°♈15'	26°♈48'	02°♈40'	19°♁57'	23°♈56'	15°♈38'	04°♁20'	16°♁04'	20°♈52'
Nov 5 2019	18°≈31'	12°♈16'	26°♈13'	03°♈54'	20°♁37'	24°♈07'	15°♈42'	04°♁17'	16°♁04'	20°♈53'
Nov 6 2019	00°≈25'	13°♈16'	25°♈28'	05°♈09'	21°♁16'	24°♈19'	15°♈47'	04°♁15'	16°♁03'	20°♈54'
Nov 7 2019	12°≈16'	14°♈16'	24°♈34'	06°♈23'	21°♁55'	24°♈31'	15°♈51'	04°♁12'	16°♁02'	20°♈55'
Nov 8 2019	24°≈08'	15°♈16'	23°♈31'	07°♈38'	22°♁34'	24°♈43'	15°♈56'	04°♁10'	16°♁02'	20°♈56'
Nov 9 2019	06°≈04'	16°♈16'	22°♈21'	08°♈52'	23°♁13'	24°♈55'	16°♈00'	04°♁08'	16°♁01'	20°♈57'
Nov 10 2019	18°≈08'	17°♈17'	21°♈05'	10°♈07'	23°♁53'	25°♈07'	16°♈05'	04°♁05'	16°♁00'	20°♈58'
Nov 11 2019	00°♁21'	18°♈17'	19°♈47'	11°♈21'	24°♁32'	25°♈20'	16°♈10'	04°♁03'	16°♁00'	21°♈00'

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GMT +00:00 Tropical Geocentric Long	Moon ☾	Sun ☉	Mercury ☿	Venus ♀	Mars ♂	Jupiter ♃	Saturn ♄	Uranus ♅	Neptune ♆	Pluto ♇
Nov 12 2019	12° 8'45"	19° 11'17"	18° 11'27"	12° 2'36"	25° 11'11"	25° 2'32"	16° 13'15"	04° 8'00"	15° 35'59"	21° 13'01"
Nov 13 2019	25° 8'21"	20° 11'17"	17° 11'08"	13° 2'50"	25° 11'51"	25° 2'44"	16° 13'19"	03° 8'58"	15° 35'59"	21° 13'02"
Nov 14 2019	08° 11'08"	21° 11'18"	15° 11'54"	15° 2'05"	26° 11'30"	25° 2'57"	16° 13'24"	03° 8'56"	15° 35'58"	21° 13'03"
Nov 15 2019	21° 11'06"	22° 11'18"	14° 11'46"	16° 2'19"	27° 11'09"	26° 2'09"	16° 13'29"	03° 8'53"	15° 35'58"	21° 13'04"
Nov 16 2019	04° 11'16"	23° 11'19"	13° 11'47"	17° 2'34"	27° 11'49"	26° 2'22"	16° 13'35"	03° 8'51"	15° 35'57"	21° 13'05"
Nov 17 2019	17° 11'37"	24° 11'19"	12° 11'58"	18° 2'48"	28° 11'28"	26° 2'34"	16° 13'40"	03° 8'49"	15° 35'57"	21° 13'07"
Nov 18 2019	01° 11'09"	25° 11'19"	12° 11'20"	20° 2'03"	29° 11'07"	26° 2'47"	16° 13'45"	03° 8'47"	15° 35'57"	21° 13'08"
Nov 19 2019	14° 11'55"	26° 11'20"	11° 11'53"	21° 2'17"	29° 11'47"	27° 2'00"	16° 13'50"	03° 8'44"	15° 35'56"	21° 13'09"
Nov 20 2019	28° 11'52"	27° 11'21"	11° 11'38"	22° 2'32"	00° 11'26"	27° 2'12"	16° 13'56"	03° 8'42"	15° 35'56"	21° 13'11"
Nov 21 2019	13° 11'03"	28° 11'21"	11° 11'35"	23° 2'46"	01° 11'06"	27° 2'25"	17° 13'01"	03° 8'40"	15° 35'56"	21° 13'12"
Nov 22 2019	27° 11'23"	29° 11'22"	11° 11'42"	25° 2'00"	01° 11'45"	27° 2'38"	17° 13'07"	03° 8'38"	15° 35'56"	21° 13'13"
Nov 23 2019	11° 11'52"	00° 11'22"	12° 11'00"	26° 2'15"	02° 11'25"	27° 2'51"	17° 13'12"	03° 8'36"	15° 35'55"	21° 13'15"
Nov 24 2019	26° 11'23"	01° 11'23"	12° 11'27"	27° 2'29"	03° 11'04"	28° 2'04"	17° 13'18"	03° 8'34"	15° 35'55"	21° 13'16"
Nov 25 2019	10° 11'51"	02° 11'24"	13° 11'03"	28° 2'44"	03° 11'44"	28° 2'17"	17° 13'23"	03° 8'32"	15° 35'55"	21° 13'17"
Nov 26 2019	25° 11'10"	03° 11'24"	13° 11'46"	29° 2'58"	04° 11'24"	28° 2'30"	17° 13'29"	03° 8'30"	15° 35'55"	21° 13'19"
Nov 27 2019	09° 11'14"	04° 11'25"	14° 11'35"	01° 11'12"	05° 11'03"	28° 2'43"	17° 13'35"	03° 8'28"	15° 35'55"	21° 13'20"
Nov 28 2019	22° 11'58"	05° 11'26"	15° 11'31"	02° 11'27"	05° 11'43"	28° 2'56"	17° 13'41"	03° 8'26"	15° 35'55"	21° 13'22"
Nov 29 2019	06° 11'20"	06° 11'27"	16° 11'31"	03° 11'41"	06° 11'22"	29° 2'09"	17° 13'47"	03° 8'24"	15° 35'55"	21° 13'23"
Nov 30 2019	19° 11'19"	07° 11'27"	17° 11'37"	04° 11'56"	07° 11'02"	29° 2'23"	17° 13'52"	03° 8'22"	15° 35'55"	21° 13'25"
Dec 1 2019	01° 11'58"	08° 11'28"	18° 11'45"	06° 11'10"	07° 11'42"	29° 2'36"	17° 13'58"	03° 8'20"	15° 35'55"	21° 13'27"
Dec 2 2019	14° 11'18"	09° 11'29"	19° 11'58"	07° 11'24"	08° 11'22"	29° 2'49"	18° 13'05"	03° 8'18"	15° 35'55"	21° 13'28"
Dec 3 2019	26° 11'24"	10° 11'30"	21° 11'13"	08° 11'39"	09° 11'01"	00° 11'03"	18° 13'11"	03° 8'16"	15° 35'56"	21° 13'30"
Dec 4 2019	08° 11'21"	11° 11'31"	22° 11'31"	09° 11'53"	09° 11'41"	00° 11'16"	18° 13'17"	03° 8'14"	15° 35'56"	21° 13'31"
Dec 5 2019	20° 11'14"	12° 11'32"	23° 11'50"	11° 11'07"	10° 11'21"	00° 11'29"	18° 13'23"	03° 8'13"	15° 35'56"	21° 13'33"
Dec 6 2019	02° 11'06"	13° 11'32"	25° 11'12"	12° 11'21"	11° 11'01"	00° 11'43"	18° 13'29"	03° 8'11"	15° 35'56"	21° 13'35"
Dec 7 2019	14° 11'04"	14° 11'33"	26° 11'35"	13° 11'36"	11° 11'40"	00° 11'56"	18° 13'35"	03° 8'09"	15° 35'57"	21° 13'36"
Dec 8 2019	26° 11'10"	15° 11'34"	27° 11'59"	14° 11'50"	12° 11'20"	01° 11'10"	18° 13'42"	03° 8'07"	15° 35'57"	21° 13'38"
Dec 9 2019	08° 8'29"	16° 11'35"	29° 11'25"	16° 11'04"	13° 11'00"	01° 11'23"	18° 13'48"	03° 8'06"	15° 35'57"	21° 13'40"
Dec 10 2019	21° 8'03"	17° 11'36"	00° 11'51"	17° 11'18"	13° 11'40"	01° 11'37"	18° 13'54"	03° 8'04"	15° 35'58"	21° 13'41"
Dec 11 2019	03° 11'53"	18° 11'37"	02° 11'18"	18° 11'32"	14° 11'20"	01° 11'51"	19° 13'01"	03° 8'03"	15° 35'58"	21° 13'43"
Dec 12 2019	16° 11'59"	19° 11'38"	03° 11'46"	19° 11'47"	15° 11'00"	02° 11'04"	19° 13'07"	03° 8'01"	15° 35'59"	21° 13'45"
Dec 13 2019	00° 11'20"	20° 11'39"	05° 11'15"	21° 11'01"	15° 11'40"	02° 11'18"	19° 13'14"	03° 8'00"	15° 35'59"	21° 13'47"
Dec 14 2019	13° 11'56"	21° 11'40"	06° 11'44"	22° 11'15"	16° 11'20"	02° 11'32"	19° 13'20"	02° 8'58"	16° 35'00"	21° 13'48"
Dec 15 2019	27° 11'43"	22° 11'41"	08° 11'14"	23° 11'29"	17° 11'00"	02° 11'45"	19° 13'27"	02° 8'57"	16° 35'00"	21° 13'50"
Dec 16 2019	11° 11'40"	23° 11'42"	09° 11'44"	24° 11'43"	17° 11'40"	02° 11'59"	19° 13'34"	02° 8'56"	16° 35'01"	21° 13'52"
Dec 17 2019	25° 11'43"	24° 11'43"	11° 11'14"	25° 11'57"	18° 11'20"	03° 11'13"	19° 13'40"	02° 8'55"	16° 35'02"	21° 13'54"
Dec 18 2019	09° 11'51"	25° 11'44"	12° 11'45"	27° 11'11"	19° 11'00"	03° 11'26"	19° 13'47"	02° 8'53"	16° 35'02"	21° 13'56"
Dec 19 2019	24° 11'02"	26° 11'45"	14° 11'16"	28° 11'25"	19° 11'40"	03° 11'40"	19° 13'54"	02° 8'52"	16° 35'03"	21° 13'58"
Dec 20 2019	08° 11'13"	27° 11'46"	15° 11'47"	29° 11'39"	20° 11'20"	03° 11'54"	20° 13'00"	02° 8'51"	16° 35'04"	21° 13'59"
Dec 21 2019	22° 11'23"	28° 11'47"	17° 11'19"	00° 11'53"	21° 11'00"	04° 11'08"	20° 13'07"	02° 8'50"	16° 35'05"	22° 13'01"
Dec 22 2019	06° 11'28"	29° 11'48"	18° 11'51"	02° 11'07"	21° 11'40"	04° 11'21"	20° 13'14"	02° 8'49"	16° 35'05"	22° 13'03"
Dec 23 2019	20° 11'26"	00° 11'50"	20° 11'23"	03° 11'21"	22° 11'20"	04° 11'35"	20° 13'21"	02° 8'48"	16° 35'06"	22° 13'05"
Dec 24 2019	04° 11'15"	01° 11'51"	21° 11'55"	04° 11'34"	23° 11'00"	04° 11'49"	20° 13'28"	02° 8'47"	16° 35'07"	22° 13'07"
Dec 25 2019	17° 11'52"	02° 11'52"	23° 11'28"	05° 11'48"	23° 11'41"	05° 11'03"	20° 13'34"	02° 8'46"	16° 35'08"	22° 13'09"
Dec 26 2019	01° 11'14"	03° 11'53"	25° 11'01"	07° 11'02"	24° 11'21"	05° 11'17"	20° 13'41"	02° 8'45"	16° 35'09"	22° 13'11"
Dec 27 2019	14° 11'20"	04° 11'54"	26° 11'34"	08° 11'16"	25° 11'01"	05° 11'31"	20° 13'48"	02° 8'44"	16° 35'10"	22° 13'13"
Dec 28 2019	27° 11'10"	05° 11'55"	28° 11'07"	09° 11'30"	25° 11'41"	05° 11'44"	20° 13'55"	02° 8'44"	16° 35'11"	22° 13'15"
Dec 29 2019	09° 11'44"	06° 11'57"	29° 11'40"	10° 11'43"	26° 11'22"	05° 11'58"	21° 13'02"	02° 8'43"	16° 35'12"	22° 13'17"
Dec 30 2019	22° 11'03"	07° 11'58"	01° 11'14"	11° 11'57"	27° 11'02"	06° 11'12"	21° 13'09"	02° 8'42"	16° 35'13"	22° 13'19"
Dec 31 2019	04° 11'10"	08° 11'59"	02° 11'48"	13° 11'11"	27° 11'42"	06° 11'26"	21° 13'16"	02° 8'42"	16° 35'14"	22° 13'21"

GMT +00:00 Tropical Geocentric Long	True Node Ω
Jan 1 2019	26° 11'52" R
Jan 2 2019	26° 11'50"
Jan 3 2019	26° 11'47"
Jan 4 2019	26° 11'45"
Jan 5 2019	26° 11'44"
Jan 6 2019	26° 11'43"
Jan 7 2019	26° 11'42" D
Jan 8 2019	26° 11'43"
Jan 9 2019	26° 11'43"

Jan 10 2019	26° 344'
Jan 11 2019	26° 345'
Jan 12 2019	26° 346'
Jan 13 2019	26° 346'
Jan 14 2019	26° 346'
Jan 15 2019	26° 346' R
Jan 16 2019	26° 346'
Jan 17 2019	26° 346'
Jan 18 2019	26° 346' D
Jan 19 2019	26° 346'
Jan 20 2019	26° 346'
Jan 21 2019	26° 346' R
Jan 22 2019	26° 346'
Jan 23 2019	26° 346'
Jan 24 2019	26° 345'
Jan 25 2019	26° 344'
Jan 26 2019	26° 343'
Jan 27 2019	26° 343'
Jan 28 2019	26° 342' D
Jan 29 2019	26° 343'
Jan 30 2019	26° 344'
Jan 31 2019	26° 345'
Feb 1 2019	26° 346'
Feb 2 2019	26° 347'
Feb 3 2019	26° 348'
Feb 4 2019	26° 348' R
Feb 5 2019	26° 347'
Feb 6 2019	26° 344'
Feb 7 2019	26° 341'
Feb 8 2019	26° 337'
Feb 9 2019	26° 333'
Feb 10 2019	26° 330'
Feb 11 2019	26° 327'
Feb 12 2019	26° 325'
Feb 13 2019	26° 324' D
Feb 14 2019	26° 325'
Feb 15 2019	26° 326'
Feb 16 2019	26° 328'
Feb 17 2019	26° 329'
Feb 18 2019	26° 329' R
Feb 19 2019	26° 327'
Feb 20 2019	26° 324'
Feb 21 2019	26° 319'
Feb 22 2019	26° 313'
Feb 23 2019	26° 307'
Feb 24 2019	26° 303'
Feb 25 2019	25° 359'
Feb 26 2019	25° 358'
Feb 27 2019	25° 358' D
Feb 28 2019	25° 359'
Mar 1 2019	26° 300'
Mar 2 2019	26° 302'
Mar 3 2019	26° 302' R
Mar 4 2019	26° 300'

GMT +00:00 Tropical Geocentric Long	True Node Ω
Mar 5 2019	25° 35'
Mar 6 2019	25° 34'
Mar 7 2019	25° 34'
Mar 8 2019	25° 33'
Mar 9 2019	25° 32'
Mar 10 2019	25° 31'
Mar 11 2019	25° 30'
Mar 12 2019	24° 55'
Mar 13 2019	24° 51'
Mar 14 2019	24° 50'
Mar 15 2019	24° 50' D
Mar 16 2019	24° 51'
Mar 17 2019	24° 51' Rx
Mar 18 2019	24° 49'
Mar 19 2019	24° 45'
Mar 20 2019	24° 39'
Mar 21 2019	24° 30'
Mar 22 2019	24° 20'
Mar 23 2019	24° 10'
Mar 24 2019	24° 00'
Mar 25 2019	23° 53'
Mar 26 2019	23° 48'
Mar 27 2019	23° 45'
Mar 28 2019	23° 44'
Mar 29 2019	23° 45' D
Mar 30 2019	23° 45' Rx
Mar 31 2019	23° 43'
Apr 1 2019	23° 40'
Apr 2 2019	23° 34'
Apr 3 2019	23° 25'
Apr 4 2019	23° 13'
Apr 5 2019	23° 00'
Apr 6 2019	22° 46'
Apr 7 2019	22° 33'
Apr 8 2019	22° 21'
Apr 9 2019	22° 12'
Apr 10 2019	22° 06'
Apr 11 2019	22° 03'
Apr 12 2019	22° 02'
Apr 13 2019	22° 02'
Apr 14 2019	22° 01'
Apr 15 2019	21° 59'
Apr 16 2019	21° 55'
Apr 17 2019	21° 48'
Apr 18 2019	21° 38'
Apr 19 2019	21° 27'
Apr 20 2019	21° 15'
Apr 21 2019	21° 04'
Apr 22 2019	20° 56'
Apr 23 2019	20° 49'
Apr 24 2019	20° 46'
Apr 25 2019	20° 44'
Apr 26 2019	20° 44' D
Apr 27 2019	20° 44' Rx
Apr 28 2019	20° 43'
Apr 29 2019	20° 41'
Apr 30 2019	20° 37'
May 1 2019	20° 29'
May 2 2019	20° 20'
May 3 2019	20° 09'
May 4 2019	19° 57'
May 5 2019	19° 45'
May 6 2019	19° 35'

GMT +00:00 Tropical Geocentric Long	True Node Ω
May 7 2019	19° 32' 28"
May 8 2019	19° 32' 23"
May 9 2019	19° 32' 20"
May 10 2019	19° 32' 20" D
May 11 2019	19° 32' 21"
May 12 2019	19° 32' 21"
May 13 2019	19° 32' 20" Rx
May 14 2019	19° 32' 18"
May 15 2019	19° 32' 13"
May 16 2019	19° 32' 06"
May 17 2019	18° 32' 58"
May 18 2019	18° 32' 49"
May 19 2019	18° 32' 41"
May 20 2019	18° 32' 35"
May 21 2019	18° 32' 31"
May 22 2019	18° 32' 28"
May 23 2019	18° 32' 28" D
May 24 2019	18° 32' 29"
May 25 2019	18° 32' 30"
May 26 2019	18° 32' 31"
May 27 2019	18° 32' 31" Rx
May 28 2019	18° 32' 30"
May 29 2019	18° 32' 27"
May 30 2019	18° 32' 23"
May 31 2019	18° 32' 17"
Jun 1 2019	18° 32' 11"
Jun 2 2019	18° 32' 04"
Jun 3 2019	17° 32' 59"
Jun 4 2019	17° 32' 55"
Jun 5 2019	17° 32' 53"
Jun 6 2019	17° 32' 52" D
Jun 7 2019	17° 32' 53"
Jun 8 2019	17° 32' 54"
Jun 9 2019	17° 32' 55"
Jun 10 2019	17° 32' 56"
Jun 11 2019	17° 32' 56" Rx
Jun 12 2019	17° 32' 54"
Jun 13 2019	17° 32' 52"
Jun 14 2019	17° 32' 48"
Jun 15 2019	17° 32' 45"
Jun 16 2019	17° 32' 41"
Jun 17 2019	17° 32' 39"
Jun 18 2019	17° 32' 37"
Jun 19 2019	17° 32' 37"
Jun 20 2019	17° 32' 37" D
Jun 21 2019	17° 32' 38"
Jun 22 2019	17° 32' 40"
Jun 23 2019	17° 32' 41"
Jun 24 2019	17° 32' 42"
Jun 25 2019	17° 32' 43"
Jun 26 2019	17° 32' 43" Rx
Jun 27 2019	17° 32' 42"
Jun 28 2019	17° 32' 41"
Jun 29 2019	17° 32' 40"
Jun 30 2019	17° 32' 38"
Jul 1 2019	17° 32' 37"
Jul 2 2019	17° 32' 36"
Jul 3 2019	17° 32' 36"
Jul 4 2019	17° 32' 36" D
Jul 5 2019	17° 32' 37"
Jul 6 2019	17° 32' 37"
Jul 7 2019	17° 32' 37"
Jul 8 2019	17° 32' 37"

GMT +00:00 Tropical Geocentric Long	True Node Ω
Jul 9 2019	17° 33'
Jul 10 2019	17° 33' R
Jul 11 2019	17° 38' D
Jul 12 2019	17° 38'
Jul 13 2019	17° 38'
Jul 14 2019	17° 38'
Jul 15 2019	17° 39'
Jul 16 2019	17° 39'
Jul 17 2019	17° 39' R
Jul 18 2019	17° 38'
Jul 19 2019	17° 38'
Jul 20 2019	17° 36'
Jul 21 2019	17° 35'
Jul 22 2019	17° 33'
Jul 23 2019	17° 32'
Jul 24 2019	17° 31'
Jul 25 2019	17° 31'
Jul 26 2019	17° 31' D
Jul 27 2019	17° 32'
Jul 28 2019	17° 33'
Jul 29 2019	17° 35'
Jul 30 2019	17° 35'
Jul 31 2019	17° 36' R
Aug 1 2019	17° 35'
Aug 2 2019	17° 33'
Aug 3 2019	17° 30'
Aug 4 2019	17° 27'
Aug 5 2019	17° 24'
Aug 6 2019	17° 22'
Aug 7 2019	17° 20'
Aug 8 2019	17° 20' D
Aug 9 2019	17° 21'
Aug 10 2019	17° 22'
Aug 11 2019	17° 24'
Aug 12 2019	17° 25'
Aug 13 2019	17° 25' R
Aug 14 2019	17° 24'
Aug 15 2019	17° 21'
Aug 16 2019	17° 16'
Aug 17 2019	17° 10'
Aug 18 2019	17° 04'
Aug 19 2019	16° 57'
Aug 20 2019	16° 50'
Aug 21 2019	16° 45'
Aug 22 2019	16° 42'
Aug 23 2019	16° 40'
Aug 24 2019	16° 40' D
Aug 25 2019	16° 40'
Aug 26 2019	16° 42'
Aug 27 2019	16° 42'
Aug 28 2019	16° 42' R
Aug 29 2019	16° 39'
Aug 30 2019	16° 34'
Aug 31 2019	16° 27'
Sep 1 2019	16° 20'
Sep 2 2019	16° 12'
Sep 3 2019	16° 05'
Sep 4 2019	16° 00'
Sep 5 2019	15° 57'
Sep 6 2019	15° 56'
Sep 7 2019	15° 57' D
Sep 8 2019	15° 58'
Sep 9 2019	15° 58' R

GMT +00:00 Tropical Geocentric Long	True Node Ω
Sep 10 2019	15° 57'
Sep 11 2019	15° 53'
Sep 12 2019	15° 47'
Sep 13 2019	15° 38'
Sep 14 2019	15° 27'
Sep 15 2019	15° 15'
Sep 16 2019	15° 03'
Sep 17 2019	14° 51'
Sep 18 2019	14° 40'
Sep 19 2019	14° 33'
Sep 20 2019	14° 28'
Sep 21 2019	14° 25'
Sep 22 2019	14° 24'
Sep 23 2019	14° 24' D
Sep 24 2019	14° 24' Rx
Sep 25 2019	14° 22'
Sep 26 2019	14° 18'
Sep 27 2019	14° 11'
Sep 28 2019	14° 02'
Sep 29 2019	13° 51'
Sep 30 2019	13° 40'
Oct 1 2019	13° 29'
Oct 2 2019	13° 21'
Oct 3 2019	13° 16'
Oct 4 2019	13° 13'
Oct 5 2019	13° 12'
Oct 6 2019	13° 12'
Oct 7 2019	13° 12'
Oct 8 2019	13° 10'
Oct 9 2019	13° 06'
Oct 10 2019	12° 59'
Oct 11 2019	12° 49'
Oct 12 2019	12° 37'
Oct 13 2019	12° 23'
Oct 14 2019	12° 09'
Oct 15 2019	11° 55'
Oct 16 2019	11° 43'
Oct 17 2019	11° 34'
Oct 18 2019	11° 28'
Oct 19 2019	11° 25'
Oct 20 2019	11° 24'
Oct 21 2019	11° 24' D
Oct 22 2019	11° 24' Rx
Oct 23 2019	11° 23'
Oct 24 2019	11° 19'
Oct 25 2019	11° 13'
Oct 26 2019	11° 04'
Oct 27 2019	10° 54'
Oct 28 2019	10° 44'
Oct 29 2019	10° 34'
Oct 30 2019	10° 26'
Oct 31 2019	10° 21'
Nov 1 2019	10° 18'
Nov 2 2019	10° 18' D
Nov 3 2019	10° 18'
Nov 4 2019	10° 19'
Nov 5 2019	10° 19' Rx
Nov 6 2019	10° 17'
Nov 7 2019	10° 13'
Nov 8 2019	10° 07'
Nov 9 2019	09° 58'
Nov 10 2019	09° 49'
Nov 11 2019	09° 38'

GMT +00:00 Tropical Geocentric Long	True Node Ω
Nov 12 2019	09° 32' 29'
Nov 13 2019	09° 32' 20'
Nov 14 2019	09° 32' 14'
Nov 15 2019	09° 32' 10'
Nov 16 2019	09° 32' 08'
Nov 17 2019	09° 32' 09' D
Nov 18 2019	09° 32' 10'
Nov 19 2019	09° 32' 11'
Nov 20 2019	09° 32' 12' R
Nov 21 2019	09° 32' 11'
Nov 22 2019	09° 32' 08'
Nov 23 2019	09° 32' 03'
Nov 24 2019	08° 32' 58'
Nov 25 2019	08° 32' 52'
Nov 26 2019	08° 32' 46'
Nov 27 2019	08° 32' 42'
Nov 28 2019	08° 32' 39'
Nov 29 2019	08° 32' 38'
Nov 30 2019	08° 32' 38' D
Dec 1 2019	08° 32' 40'
Dec 2 2019	08° 32' 42'
Dec 3 2019	08° 32' 43'
Dec 4 2019	08° 32' 44'
Dec 5 2019	08° 32' 44' R
Dec 6 2019	08° 32' 42'
Dec 7 2019	08° 32' 40'
Dec 8 2019	08° 32' 36'
Dec 9 2019	08° 32' 33'
Dec 10 2019	08° 32' 29'
Dec 11 2019	08° 32' 26'
Dec 12 2019	08° 32' 24'
Dec 13 2019	08° 32' 23'
Dec 14 2019	08° 32' 23' D
Dec 15 2019	08° 32' 23'
Dec 16 2019	08° 32' 25'
Dec 17 2019	08° 32' 26'
Dec 18 2019	08° 32' 27'
Dec 19 2019	08° 32' 27'
Dec 20 2019	08° 32' 27' R
Dec 21 2019	08° 32' 26'
Dec 22 2019	08° 32' 25'
Dec 23 2019	08° 32' 24'
Dec 24 2019	08° 32' 23'
Dec 25 2019	08° 32' 23'
Dec 26 2019	08° 32' 22'
Dec 27 2019	08° 32' 22' D
Dec 28 2019	08° 32' 23'
Dec 29 2019	08° 32' 23'
Dec 30 2019	08° 32' 23'
Dec 31 2019	08° 32' 23' R