Ephemeris GMT +0:00 Tropical Geocentric Long

	Moon	Earth	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron
1 Mar 2023 12:00	24°Ge38'	10°Li17'	10°Pi33'	27°Ar52'	11°Ar14'	9°Ge18'	14°Ar58'	15°Ta32'	24°Ri04'	26°Cp32'	13°Ar52'	13°Ar52'
2 Mar 2023 12:00	10°Ta40'	10°Li18'	11°Pi38'	28°Ar12'	12°Ar28'	10°Ge32'	14°Ar57'	15°Ta34'	24°Ri08'	26°Cp33'	13°Ar54'	13°Ar54'
3 Mar 2023 12:00	28°Cn22'	12°Li38'	12°Pi38'	00°Pi56'	13°Ar41'	20°Ge07'	12°Ar25'	29°Ar33'	15°Ta36'	24°Ri08'	29°Cp33'	13°Ar58'
4 Mar 2023 12:00	10°Le13'	13°Li58'	13°Pi38'	02°Pi08'	14°Ar54'	28°Ge58'	10°Ar53'	13°Ta38'	15°Ta38'	24°Ri09'	29°Cp33'	14°Ar01'
5 Mar 2023 12:00	22°Le31'	14°Li58'	14°Pi38'	04°Pi22'	16°Ar07'	20°Ge56'	12°Ar53'	27°Ar45'	15°Ta40'	24°Ri13'	29°Cp36'	14°Ar04'
6 Mar 2023 12:00	04°Vi11'	15°Li58'	15°Pi38'	06°Pi08'	17°Ar21'	21°Ge21'	13°Ar06'	29°Ar52'	15°Ta42'	24°Ri16'	29°Cp38'	14°Ar07'
7 Mar 2023 12:00	16°Vi19'	16°Li58'	16°Pi38'	07°Pi55'	18°Ar35'	21°Ge47'	13°Ar22'	29°Ar59'	15°Ta44'	24°Ri17'	29°Cp38'	14°Ar11'
8 Mar 2023 12:00	28°Vi23'	17°Li58'	17°Pi38'	09°Pi42'	19°Ar46'	22°Ge13'	13°Ar38'	00°Ta37'	15°Ta46'	24°Ri18'	29°Cp39'	14°Ar14'
9 Mar 2023 12:00	11°Li50'	18°Li58'	18°Pi38'	11°Pi31'	20°Ar59'	22°Ge38'	13°Ar48'	00°Ta31'	15°Ta49'	24°Ri52'	29°Cp42'	14°Ar17'
10 Mar 2023 12:00	23°Li26'	19°Li58'	19°Pi38'	13°Pi21'	22°Ar11'	22°Ge03'	14°Ar01'	00°Ta25'	15°Ta51'	24°Ri54'	29°Cp43'	14°Ar20'
11 Mar 2023 12:00	05°Ar22'	20°Li58'	20°Pi38'	15°Pi12'	23°Ar25'	21°Ge35'	14°Ar14'	00°Ta19'	15°Ta53'	24°Ri55'	29°Cp44'	14°Ar23'
12 Mar 2023 12:00	19°Sc21'	21°Li58'	21°Pi38'	17°Pi04'	24°Ar38'	23°Ge57'	14°Ar29'	00°Ta14'	15°Ta55'	24°Ri59'	29°Cp46'	14°Ar27'
13 Mar 2023 12:00	02°Sg28'	22°Li58'	22°Pi38'	18°Pi59'	25°Ar51'	26°Ge20'	14°Ar43'	00°Pi41'	15°Ta58'	25°Ri01'	29°Cp47'	14°Ar30'
14 Mar 2023 12:00	15°Sg34'	23°Li58'	23°Pi38'	20°Pi41'	27°Ar03'	28°Ge43'	14°Ar57'	00°Pi29'	16°Ta00'	25°Ri02'	29°Cp48'	14°Ar33'
15 Mar 2023 12:00	29°Sg56'	24°Li57'	24°Pi37'	22°Pi46'	28°Ar15'	05°Ge18'	15°Ar11'	00°Pi05'	16°Ta03'	25°Ri05'	29°Cp50'	14°Ar37'
16 Mar 2023 12:00	14°Ca05'	25°Li57'	25°Pi37'	25°Pi43'	29°Ar28'	25°Ge46'	15°Ar25'	29°Ar52'	16°Ta05'	25°Ri08'	29°Cp51'	14°Ar40'
17 Mar 2023 12:00	28°Ca41'	26°Li57'	26°Pi37'	28°Pi37'	00°Ta40'	26°Ge52'	15°Ar39'	29°Ar39'	16°Ta07'	25°Ri10'	29°Cp52'	14°Ar43'
18 Mar 2023 12:00	13°Ar42'	27°Li57'	27°Pi37'	28°Pi08'	01°Ta52'	26°Ge41'	15°Ar54'	29°Ar26'	16°Ta10'	25°Ri12'	29°Cp54'	14°Ar47'
19 Mar 2023 12:00	28°Ar21'	28°Li56'	28°Pi36'	00°Ar37'	03°Ta04'	27°Ge09'	16°Ar08'	29°Ar14'	16°Ta12'	25°Ri13'	29°Cp55'	14°Ar51'
20 Mar 2023 12:00	13°Ta05'	29°Li56'	29°Pi36'	02°Ar47'	04°Ta17'	27°Ge38'	16°Ar22'	29°Ar03'	16°Ta15'	25°Ri15'	29°Cp57'	14°Ar54'
21 Mar 2023 12:00	27°Ti37'	30°Li56'	30°Pi36'	04°Ar35'	05°Ta28'	28°Ge05'	16°Ar36'	28°Ar50'	16°Ta18'	25°Ri19'	29°Cp57'	14°Ar57'
22 Mar 2023 12:00	12°Ge51'	01°Ta55'	00°Ar36'	06°Ar38'	06°Ta39'	28°Ge31'	16°Ar50'	28°Ar37'	16°Ta21'	25°Ri21'	29°Cp58'	15°Ar01'
23 Mar 2023 12:00	26°Ge51'	02°Ta55'	01°Ar36'	08°Ar38'	07°Ta52'	28°Ge58'	17°Ar04'	28°Ar24'	16°Ta24'	25°Ri22'	29°Cp59'	15°Ar04'
24 Mar 2023 12:00	09°Ta50'	03°Ta54'	03°Ar34'	10°Ar40'	09°Ta04'	29°Ge31'	17°Ar19'	01°Pi55'	16°Ta26'	25°Ri26'	00°Ap01'	15°Ar08'
25 Mar 2023 12:00	23°Ta08'	04°Ta54'	04°Ar34'	12°Ar41'	10°Ta16'	00°Ge07'	17°Ar33'	02°Pi52'	16°Ta29'	25°Ri28'	00°Ap02'	15°Ar11'
26 Mar 2023 12:00	06°Ge33'	05°Ta53'	05°Ar33'	14°Ar41'	11°Ta28'	00°Ge44'	17°Ar46'	03°Pi48'	16°Ta31'	25°Ri30'	00°Ap03'	15°Ar14'
27 Mar 2023 12:00	18°Ge34'	06°Ti33'	06°Ar33'	16°Ar40'	12°Ta39'	00°Ge58'	18°Ar52'	03°Pi18'	16°Ta34'	25°Ri33'	00°Ap04'	15°Ar18'
28 Mar 2023 12:00	00°Cn49'	07°Ti32'	07°Ar32'	18°Ar39'	13°Ta51'	01°Ge28'	19°Ar18'	02°Pi21'	16°Ta37'	25°Ri35'	00°Ap05'	15°Ar22'
29 Mar 2023 12:00	12°Cn54'	08°Ti32'	08°Ar32'	20°Ar38'	14°Ta57'	01°Ge57'	19°Ar44'	02°Pi24'	16°Ta39'	25°Ri37'	00°Ap06'	15°Ar25'
30 Mar 2023 12:00	04°Le47'	09°Ti31'	09°Ar31'	22°Ar36'	16°Ta13'	02°Ge27'	18°Ar45'	02°Pi34'	16°Ta43'	25°Ri39'	00°Ap06'	15°Ar29'
31 Mar 2023 12:00	06°Le39'	10°Ti30'	10°Ar30'	24°Ar22'	17°Ta24'	02°Ge57'	19°Ar02'	02°Pi49'	16°Ta46'	25°Ri42'	00°Ap07'	15°Ar32'
1 Apr 2023 12:00	18°Le32'	11°Ti29'	11°Ar29'	26°Ar12'	18°Ta34'	03°Ge27'	19°Ar18'	03°Pi04'	16°Ta49'	25°Ri44'	00°Ap08'	15°Ar36'
2 Apr 2023 12:00	00°Vi31'	12°Ti29'	12°Ar29'	27°Ar49'	19°Ta47'	03°Ge57'	19°Ar32'	03°Pi19'	16°Ta52'	25°Ri46'	00°Ap09'	15°Ar39'
3 Apr 2023 12:00	12°Vi37'	13°Ti28'	13°Ar28'	29°Ar41'	20°Ta57'	04°Ge27'	19°Ar47'	03°Pi34'	16°Ta55'	25°Ri48'	00°Ap10'	15°Ar42'
4 Apr 2023 12:00	24°Vi41'	14°Ti27'	14°Ar27'	01°Ta07'	22°Ta07'	04°Ge57'	20°Ar01'	03°Pi49'	16°Ta58'	25°Ri50'	00°Ap11'	15°Ar46'
5 Apr 2023 12:00	06°Li42'	15°Ti26'	15°Ar26'	02°Ta41'	23°Ta17'	05°Ge28'	20°Ar12'	03°Pi11'	17°Ta01'	25°Ri52'	00°Ap11'	15°Ar50'
6 Apr 2023 12:00	18°Li40'	16°Ti25'	16°Ar25'	04°Ta26'	24°Ta29'	05°Ge58'	20°Ar26'	03°Pi18'	17°Ta04'	25°Ri55'	00°Ap12'	15°Ar53'
7 Apr 2023 12:00	29°Li37'	17°Ti24'	17°Ar24'	05°Ta12'	25°Ta40'	06°Ge27'	20°Ar39'	03°Pi25'	17°Ta06'	25°Ri57'	00°Ap13'	15°Ar57'
8 Apr 2023 12:00	10°Sc07'	18°Ti23'	18°Ar23'	05°Ta57'	26°Ta51'	06°Ge57'	20°Ar53'	03°Pi18'	17°Ta09'	26°Ri00'	00°Ap14'	16°Ar00'
9 Apr 2023 12:00	22°Sc34'	19°Ti22'	19°Ar22'	06°Ta42'	27°Ta59'	07°Ge27'	21°Ar06'	03°Pi11'	17°Ta11'	26°Ri02'	00°Ap15'	16°Ar04'
10 Apr 2023 12:00	04°Sg48'	20°Ti21'	20°Ar21'	07°Ta27'	28°Ta59'	07°Ge57'	21°Ar19'	03°Pi04'	17°Ta14'	26°Ri05'	00°Ap15'	16°Ar07'
11 Apr 2023 12:00	16°Sg47'	21°Ti20'	21°Ar20'	08°Ta16'	29°Ta58'	08°Ge27'	21°Ar32'	02°Pi57'	17°Ta16'	26°Ri07'	00°Ap16'	16°Ar11'
12 Apr 2023 12:00	10°Capr44'	22°Ti19'	22°Ar19'	08°Ta58'	30°Ta58'	08°Ge57'	21°Ar45'	02°Pi50'	17°Ta19'	26°Ri08'	00°Ap16'	16°Ar14'
13 Apr 2023 12:00	04°Ar41'	23°Ti18'	23°Ar18'	09°Ta37'	31°Ta57'	09°Ge27'	21°Ar58'	02°Pi43'	17°Ta21'	26°Ri10'	00°Ap17'	16°Ar18'
14 Apr 2023 12:00	09°Ar25'	24°Ti16'	24°Ar16'	10°Ta17'	32°Ta57'	09°Ge57'	22°Ar10'	02°Pi36'	17°Ta24'	26°Ri12'	00°Ap18'	16°Ar21'
15 Apr 2023 12:00	14°Ar12'	25°Ti15'	25°Ar15'	10°Ta57'	33°Ta57'	10°Ge27'	22°Ar23'	02°Pi29'	17°Ta26'	26°Ri14'	00°Ap19'	16°Ar25'
16 Apr 2023 12:00	19°Ar02'	26°Ti14'	26°Ar14'	11°Ta37'	34°Ta57'	10°Ge57'	22°Ar35'	02°Pi23'	17°Ta29'	26°Ri16'	00°Ap19'	16°Ar29'
17 Apr 2023 12:00	22°Pi10'	27°Ti13'	27°Ar13'	14°Ta52'	35°Ta18'	11°Ge22'	22°Ar50'	02°Pi18'	17°Ta32'	26°Ri18'	00°Ap20'	16°Ar32'
18 Apr 2023 12:00	26°Pi11'	28°Ti12'	28°Ar12'	15°Ta47'	36°Ta18'	11°Ge47'	23°Ar05'	02°Pi14'	17°Ta34'	26°Ri19'	00°Ap21'	16°Ar36'
19 Apr 2023 12:00	27°Ar08'	29°Ti11'	29°Ar11'	16°Ta42'	37°Ta18'	12°Ge12'	23°Ar20'	02°Pi11'	17°Ta37'	26°Ri21'	00°Ap21'	16°Ar39'
20 Apr 2023 12:00	04°Ta17'	00°Ta00'	00°Ta00'	17°Ta36'	38°Ta18'	12°Ge37'	23°Ar35'	02°Pi08'	17°Ta39'	26°Ri22'	00°Ap22'	16°Ar42'
21 Apr 2023 12:00	11°Ta27'	01°Ta57'	01°Ta57'	18°Ta31'	39°Ta18'	13°Ge02'	23°Ar50'	02°Pi05'	17°Ta42'	26°Ri24'	00°Ap23'	16°Ar45'
22 Apr 2023 12:00	00°Ge59'	02°Ta56'	02°Ta56'	19°Ta33'	33°Ta57'	14°Ge22'	24°Ar18'	01°Pi58'	17°Ta45'	26°Ri26'	00°Ap23'	16°Ar48'
23 Apr 2023 12:00	13°Ge50'	03°Ta56'	03°Ta56'	20°Ta34'	34°Ta11'	14°Ge54'	24°Ar32'	01°Pi49'	17°Ta50'	26°Ri28'	00°Ap24'	16°Ar53'
24 Apr 2023 12:00	26°Ge41'	04°Ta55'	04°Ta55'	21°Ta35'	34°Ta45'	15°Ge27'	24°Ar45'	01°Pi40'	17°Ta53'	26°Ri30'	00°Ap25'	16°Ar57'
25 Apr 2023 12:00	08°Cn41'	05°Ta55'	05°Ta55'	21°Ta50'	35°Ta28'	15°Ge59'	25°Ar01'	01°Pi30'	17°Ta56'	26°Ri32'	00°Ap27'	17°Ar02'
26 Apr 2023 12:00	20°Cn47'	06°Ta55'	06°Ta55'	14°Ta52'	37°Ta38'	16°Ge32'	25°Ar15'	01°Pi23'	18°Ta12'	26°Ri35'	00°Ap27'	17°Ar03'
27 Apr 2023 12:00	02°Le53'	07°Ta55'	07°Ta55'	15°Ta58'	38°Ta48'	17°Ge04'	25°Ar29'	01°Pi17'	18°Ta15'	26°Ri37'	00°Ap28'	17°Ar05'
28 Apr 2023 12:00	14°Le37'	07°Ti57'	07°Ti57'	13°Ta28'	39°Ta57'	17°Ge37'	25°Ar44'	01°Pi13'	18°Ta18'	26°Ri39'	00°Ap28'	17°Ar07'
29 Apr 2023 12:00	26°Le31'	08°Ti58'	08°Ti58'	12°Ta52'	20°Ge59'	18°Ge10'	25°Ar58'	01°Pi11'	18°Ta20'	26°Ri41'	00°Ap29'	17°Ar13'
30 Apr 2023 12:00	08°Vi31'	09°Ti59'	09°Ti59'	12°Ta58'	21°Ge46'	19°Ge42'	26°Ar13'	01°Pi09'	18°Ta23'	26°Ri43'	00°Ap29'	17°Ar16'
1 May 2023 12:00	20°Vi42'	10°Ta57'	10°Ta57'	11°Ta38'	23°Ge14'	19°Ge18'	26°Ar27'	01°Pi08'	18°Ta27'	26°Ri44'	00°Ap27'	17°Ar19'
2 May 2023 12:00	03°Li02'	11°Ta50'	11°Ta50'	10°Ta54'	24°Ge21'	19°Ge49'	26°Ar41'	01°Pi07'	18°Ta30'	26°Ri46'	00°Ap27'	17°Ar22'
3 May 2023 12:00	15°Li40'	12°Ta44'	12°Ta44'	09°Ta50'	25°Ge27'	20°Ge20'	26°Ar54'	01°Pi06'	18°Ta33'	26°Ri48'	00°Ap27'	17°Ar25'
4 May 2023 12:00	28°Li36'	13°Ta38'	13°Ta38'	09°Ta42'	26°Ge34'	20°Ge55'	27°Ar08'	01°Pi05'	18°Ta36'	26°Ri50'	00°Ap27'	17°Ar28'
5 May 2023 12:00	11°Sc51'	14°Ta34'	14°Ta34'	09°Ta05'	27°Ge41'	21°Ge28'	27°Ar22'	01°Pi03'	18°Ta41'	26°Ri51'	00°Ap27'	17°Ar31'
6 May 2023 12:00	24°Sc58'	15°Ta30'	15°Ta30'	08°Ta42'	28°Ge47'	22°Ge01'	27°Ar35'	01°Pi02'	18°Ta44'	26°Ri53'	00°Ap27'	17°Ar34'
7 May 2023 12:00	08°Sg11'	16°Ta26'	16°Ta26'	07°Ta58'	29°Ge52'	22°Ge35'	27°Ar51'	01°Pi00'	18°Ta48'	26°Ri54'	00°Ap27'	17°Ar37'
8 May 2023 12:00	21°Sg12'	17°Ta18'	17°Ta18'	07°Ta34'	30°Ge54'	23°Ge08'	28°Ar05'	00°Pi54'	18°Ta51'	26°Ri56'	00°Ap27'	17°Ar42'
9 May 2023 12:00	03°Ca58'	18°Ta10'	18°Ta10'	06°Ta57'	31°Ge57'	23°Ge40'	28°Ar19'	00°Pi48'	18°Ta54'	26°Ri58'	00°Ap27'	17°Ar46'
10 May 2023 12:00	16°Ca58'	19°Ta03'	19°Ta03'	06°Ta32'	32°Ge54'	24°Ge13'	28°Ar32'	00°Pi42'	18°Ta57'	26°Ri59'	00°Ap27'	17°Ar49'
11 May 2023 12:00	29°Ca58'	20°Ta55'	19°Ta30'	06°Ta19'	33°Ge10'	24°Ge15'	28°Ar43'	00°Pi36'	18°Ta59'	26°Ri59'	00°Ap27'	17°Ar49'
12 May 2023 12:00	05°Le40'	20°Ta52'	20°Ta52'	06°Ta21'	34°Ge10'	24°Ge49'	28°Ar47'	00°Pi05'	19°Ta01'	27°Ri01'	00°Ap27'	17°Ar52'
13 May 2023 12:00	11°Le52'	21°Ta49'	21°Ta49'	06°Ta11'	35°Ge07'	25°Ge22'	28°Ar50'	00°Pi03'	19°Ta03'	27°Ri02'	00°Ap27'	17°Ar55'
14 May 2023 12:00	18°Le54'	22°Ta28'	22°Ta28'	05°Ta57'	36°Ge05'	25°Ge57'	28°Ar53'	00°Pi12'	19°Ta05'	27°Ri04'	00°Ap19'	17°Ar58'
15 May 2023 12:00	18°Ti24'	23°Ta26'	23°Ta26'	05°Ta40'	37°Ge03'	26°Ge30'	29°Ar29'	00°Pi15'	19°Ta12'	27°Ri05'	00°Ap19'	18°Ar01'
16 May 2023 12:00	18°Ti08'	24°Ta23'	24°Ta23'	05°Ta21'	38°Ge01'	26°Ge59'	29°Ar34'	00°Pi18'	19°Ta14'	27°Ri06'	00°Ap19'	18°Ar04'
17 May 2023 12:00	29°Ar44'	25°Ta20'	25°Ta20'	05°Ta03'	39°Ge00'	27°Ge28'	29°Ar40'	00°Pi21'	19°Ta21'	27°Ri07'	00°Ap18'	18°Ar10'
18 May 2023 12:00	11°Ge42'	26°Ta17'	26°Ta17'	04°Ta47'	39°Ge58'	28°Ge12'	29°Ar46'	00°Pi24'	19°Ta23'	27°Ri09'	00°Ap18'	18°Ar13'
19 May 2023 12:00	26°Ta18'	27°Ta14'	27°Ta14'	04°Ta34'	40°Ge57'	28°Ge56'	29°Ar52'	00°Pi30'	19°Ta30'	27°Ri10'	00°Ap17'	18°Ar16'
20 May 2023 12:00	09°Ge15'	28°Ta11'	28°Ta11'	04°Ta22'	41°Ge49'	29°Ge40'	29°Ar57'	00°Pi33'	19°Ta33'	27°Ri12'	00°Ap16'	18°Ar18'
21 May 2023 12:00	21°Ge52'	29°Ta08'	29°Ta08'	04°Ta11'	42°Ge42'	29°Ge54'	30°Ar03'	00°Pi36'	19°Ta36'	27°Ri13'	00°Ap15'	18°Ar21'
22 May 2023 12:00	04°Ca24'	01°Sg59'	01°Ta03'	03°Ta53'	43°Ge31'	30°Ge12'	30°Ar08'	00°Pi38'	19°Ta40'	27°Ri15'	00°Ap15'	18°Ar24'
23 May 2023 12:00	16°Ca38'	02°Sg57'	02°Ge57'	08°Ta27'	44°Ge19'	01°Ge31'	01°Ta31'	00°Pi41'	19°Ta43'	27°Ri17'	00°Ap15'	18°Ar27'
24 May 2023 12:00	28°Ca44'	03°Sg56'	03°Ge56'	12°Ta13'	45°Ge08'	02°Ge01'	01°Ta58'	00°Pi44'	19°Ta46'	27°Ri18'	00°Ap15'	18°Ar30'
25 May 2023 12:00	10°Le48'	04°Sg52'	04°Ge52'	09°Ta48'	46°Ge02'	02°Ge46'	02°Ta18'	00°Pi48'	19°Ta50'	27°Ri19'	00°Ap14'	18°Ar32'
26 May 2023 12:00	22°Le52'	05°Sg50'	05°Ge50'	10°Ta54'	46°Ge55'	03°Ge40'	03°Ta21'	00°Pi51'	19°Ta53'	27°Ri21'	00°Ap13'	18°Ar35'
27 May 2023 12:00	04°Vi55'	06°Sg48'	06°Ge48'	11°Ta47'	47°Ge47'	04°Ge35'	03°Ta44'	00°Pi54'	19°Ta56'	27°Ri22'	00°Ap12'	18°Ar38'
28 May 2023 12:00	16°Vi52'	08°Sg50'	06°Ge50'	12°Ta17'	22°Ge05'	05°Ge31'	04°Ta07'	00°Pi57'	20°Ta00'	27°Ri23'	00°Ap12'	18°Ar40'
29 May 2023 12:00	28°Vi52'	07°Sg50'	07°Ge50'	13°Ta13'	23°Ge05'	05°Ge44'	02°Ta51'	00°Pi64'	20°Ta03'	27°Ri24'	00°Ap11'	18°Ar43'
30 May 2023 12:00	10°Li47'	08°Sg49'	08°Ge49'	14°Ta13'	24°Ge05'	06°Ge57'	03°Ta34'	00°Pi71'	20°Ta06'	27°Ri25'	00°Ap10'	18°Ar46'
31 May 2023 12:00	23°Li08'	09°Sg48'	09°Ge48'	15°Ta16'	25°Ge04'	06°Ge44'	03°Ta17'	00°Pi67'	20°Ta10'	27°Ri26'	00°Ap09'	18°Ar48'
1 Jun 2023 12:00	06°Sc43'	10°Sg45'	10°Ge45'	16°Ta22'	26°Ge03'	06°Ge49'	03°Ta03'	00°Pi69'	20°Ta13'	27°Ri27'	00°Ap09'	18°Ar50'
2 Jun 2023 12:00	19°Sc44'	11°Sg42'	11°Ge42'	17°Ta31'	27°Ge03'	07°Ge54'	02°Ta52'	00°Pi71'	20°Ta16'	27°Ri28'	00°Ap08'	18°Ar53'
3 Jun 2023 12:00	04°Sg22'	12°Sg40'	12°Ge40'	18°Ta44'	28°Ge07'	08°Ge51'	02°Ta42'	00°Pi72'	20°Ta20'	27°Ri29'	00°Ap07'	18°Ar55'
4 Jun 2023 12:00	18°Sg13'	13°Sg37'	13°Ge37'	19°Ta58'	29°Ge58'	08°Ge43'	02°Ta08'	00°Pi63'	20°Ta23'	27°Ri29'	00°Ap06'	18°Ar57'
5 Jun 2023 12:00	02°Ca11'	14°Sg35'	14°Ge35'	20°Ta58'	30°Ge58'	09°Ge35'	01°Ta34'	00°Pi54'	20°Ta26'	27°Ri30'	00°Ap05'	19°Ar00'
6 Jun 2023 12:00	17°Cp21'	15°Sg32'	15°Ge32'	21°Ta37'	22°Ge05'	10°Ge27'	00°Ta59'	00°Pi45'	20°Ta30'	27°Ri31'	00°Ap04'	19°Ar02'
7 Jun 2023 12:00	02°Ac07'	16°Sg30'	16°Ge30'	24°Ta50'	01°Ge48'	10°Ge41'	00°Ta48'	00°Pi37'	20°Ta33'	27°Ri32'	00°Ap03'	19°Ar04'
8 Jun 2023 12:00	16°Ac57'	17°Sg27'	17°Ge27'	26°Ta50'	03°Ge40'	11°Ge54'	00°Ta37'	00°Pi29'	20°Ta36'	27°Ri32'	00°Ap02'	19°Ar06'
9 Jun 2023 12:00	01°Pi02'	18°Sg24'	18°Ge24'	28°Ta56'	03°Ge40'	11°Ge49'	00°Ta27'	00°Pi19'	20°Ta39'	27°Ri33'	00°Ap01'	19°Ar08'
10 Jun 2023 12:00	15°Pi16'	19°Sg22'	19°Ge22'	28°Ta31'	04°Ge34'	12°Ge44'	00°Ta17'	00°Pi11'	20°Ta42'	27°Ri34'	00°Ap00'	19°Ar11'
11 Jun 2023 12:00	29°Pi22'	20°Sg19'	20°Ge19'	29°Ta07'	05°Ge27'	13°Ge38'	00°Ta07'	00°Pi03'	20°Ta45'	27°Ri35'	29°Ap59'	19°Ar13'
12 Jun 2023 12:00	12°Ar45'	21°Sg17'	21°Ge17'	06°Ta44'	06°Ge21'	13°Ge41'	00°Ta47'	00°Pi11'	20°Ta49'	27°Ri35'	29°Ap58'	19°Ar16'
13 Jun 2023 12:00	26°Ar22'	22°Sg14'	22°Ge14'	03°Ge24'	07°Ge18'	13°Ge50'	00°Ta59'	00°Pi11'	20°Ta52'	27°Ri36'	29°Ap57'	19°Ar17'
14 Jun 2023 12:00	09°Ta58'	23°Sg12'	23°Ge12'	00°Ge47'	08°Ge08'	14°Ge57'	01°Ta11'	00°Pi12'	20°Ta55'	27°Ri37'	29°Ap56'	19°Ar19'
15 Jun 2023 12:00	22°Ta37'	24°Sg09'	24°Ge09'	08°Ge03'	09°Ge01'	15°Ge31'	01°Ta22'	00°Pi17'	20°Ta58'	27°Ri37'	29°Ap55'	19°Ar20'
16 Jun 2023 12:00	05°Ge26'	25°Sg05'	25°Ge05'	08°Ge42'	09°Ge51'	15°Ge36'	00°Ta32'	00°Pi12'	21°Ta01'	27°Ri37'	29°Ap54'	19°Ar22'
17 Jun 2023 12:00	18°Ge16'	26°Sg02'	26°Ge02'	09°Ge18'	10°Ge42'	16°Ge41'	00°Ta42'	00°Pi12'	21°Ta04'	27°Ri37'	29°Ap53'	19°Ar23'
18 Jun 2023 12:00	00°Cn32'	27°Sg01'	27°Ge01'	11°Ge32'	11°Ge32'	16°Ge47'	00°Ta59'	00°Pi12' R	21°Ta07'	27°Ri38'	29°Ap52'	19°Ar24'
19 Jun 2023 12:00	12°Cn49'	27°Sg58'	27°Ge58'	14°Ge22'	12°Ge31'	17°Ge52'	01°Ta12'	00°Pi11'	21°Ta12'	27°Ri39'	29°Ap51'	19°Ar26'
20 Jun 2023 12:00	24°Cn52'	28°Sg54'	28°Ge54'	16°Ge41'	13°Ge18'	18°Ge57'	01°Ta27'	00°Pi11'	21°Ta15'	27°Ri39'	29°Ap50'	19°Ar27'
21 Jun 2023 12:00	06°Le57'	29°Sg52'	29°Ge52'	18°Ge22'	13°Ge58'	18°Ge34'	01°Ta32'	00°Pi11'	21°Ta18'	27°Ri39'	29°Ap48'	19°Ar31'
22 Jun 2023 12:00	18°Le51'	00°Cp50'	00°Cp50'	20°Ge24'	14°Ge45'	19°Ge11'	01°Ta44'	00°Pi11'	21°Ta19'	27°Ri40'	29°Ap47'	19°Ar33'
23 Jun 2023 12:00	29°Le45'	01°Cp47'	01°Cp47'	22°Ge20'	15°Ge31'	19°Ge47'	01°Ta57'	00°Pi11'	21°Ta21'	27°Ri40'	29°Ap46'	19°Ar34'
24 Jun 2023 12:00	12°Vi37'	02°Cp44'	02°Cp44'	24°Ge16'	16°Ge21'	20°Ge22'	02°Ta09'	00°Pi11'	21°Ta24'	27°Ri40'	29°Ap45'	19°Ar36'
25 Jun 2023 12:00	24°Vi30'	03°Cp41'	03°Cp41'	26°Ge44'	17°Ge09'	21°Ge57'	02°Ta18'	00°Pi11'	21°Ta27'	27°Ri40'	29°Ap43'	19°Ar37'
26 Jun 2023 12:00	06°Li23'	04°Cp38'	04°Cp38'	28°Ge53'	17°Ge54'	22°Ge45'	02°Ta27'	00°Pi11'	21°Ta30'	27°Ri40'	29°Ap42'	19°Ar39'
27 Jun 2023 12:00	18°Li57'	05°Cp36'	05°Cp36'	01°Ge31'	18°Ge26'	22°Ge49'	02°Ta39'	00°Pi07'	21°Ta32'	27°Ri41'	29°Ap41'	19°Ar40'
28 Jun 2023 12:00	01°Sc38'	06°Cp33'	06°Cp33'	03°Cn12'	19°Ge07'	22°Ge49'	02°Ta50'	00°Pi06'	21°Ta35'	27°Ri41'	29°Ap40'	19°Ar41'
29 Jun 2023 12:00	13°Sc44'	07°Cp31'	07°Cp31'	04°Cn56'	19°Ge47'	23°Ge47'	03°Ta01'	00°Pi05'	21°Ta37'	27°Ri41'	29°Ap39'	19°Ar42'
30 Jun 2023 12:00	26°Sc18'	08°Cp28'	08°Cp28'	07°Cn30'	20°Ge21'	23°Ge51'	03°Ta11'	00°Pi04'	21°Ta40'	27°Ri41'	29°Ap37'	19°Ar44'
1 Jul 2023 12:00	12°Sg17'	09°Cp25'	09°Cp25'	09°Cn46'	21°Ge05'	24°Ge13'	03°Ta22'	00°Pi03'	21°Ta43'	27°Ri41' R	29°Ap36'	19°Ar45'
2 Jul 2023 12:00	26°Sg11'	10°Cp22'	10°Cp22'	11°Cn16'	21°Ge46'	24°Ge35'	03°Ta32'	00°Pi02'	21°Ta46'	27°Ri41'	29°Ap35'	19°Ar46'
3 Jul 2023 12:00	11°Ca32'	11°Cp19'	11°Cp19'	14°Cn00'	22°Ge18'	25°Ge46'	03°Ta42'	00°Pi02'	21°Ta48'	27°Ri41'	29°Ap33'	19°Ar47'
4 Jul 2023 12:00	26°Ca32'	12°Cp16'	12°Cp16'	16°Cn15'	22°Ge52'	26°Ge22'	03°Ta52'	00°Pi08'	21°Ta51'	27°Ri41'	29°Ap32'	19°Ar48'
5 Jul 2023 12:00	11°Le45'	13°Cp13'	13°Cp13'	18°Cn29'	23°Ge27'	26°Ge58'	04°Ta01'	00°Pi14'	21°Ta54'	27°Ri41'	29°Ap31'	19°Ar49'
6 Jul 2023 12:00	26°Le54'	14°Cp10'	14°Cp10'	20°Cn29'	23°Ge57'	27°Ge34'	04°Ta12'	00°Pi18'	21°Ta57'	27°Ri41'	29°

23 Nov 2023 12:00	10°A/59'	00°Ge55'	00°Sg55'	19°Sg22'	16°L53'	29°Sc20'	07°Ta53'	00°Pi00'	20°Ta39'	24°Pi56'	28°Cp20'	15°Ar57'		
24 Nov 2023 12:00	25°A/03'	01°Ge56'	01°Sg56'	20°Sg44'	18°L02'	00°Sg03'	07°Ta47'	00°Pi32'	20°Ta37'	24°Pi55'	28°Cp21'	15°Ar55'		
25 Nov 2023 12:00	09°Sa50'	02°Ge56'	02°Sg56'	22°Sg38'	19°L11'	00°Sg40'	07°Ta40'	00°Pi54'	20°Ta34'	24°Pi55'	28°Cp22'	15°Ar54'		
26 Nov 2023 12:00	22°Sa46'	03°Ge57'	03°Sg57'	23°Sg29'	20°L20'	01°Sg28'	07°Ta33'	00°Pi56'	20°Ta32'	24°Pi54'	28°Cp24'	15°Ar52'		
27 Nov 2023 12:00	06°Ge23'	04°Ge58'	04°Sg58'	24°Sg49'	21°L30'	02°Sg11'	07°Ta27'	00°Pi58'	20°Ta29'	24°Pi54'	28°Cp25'	15°Ar50'		
28 Nov 2023 12:00	19°Ge42'	05°Ge58'	05°Sg58'	25°Sg38'	22°L39'	02°Sg54'	07°Ta21'	01°Pi01'	20°Ta27'	24°Pi54'	28°Cp26'	15°Ar49'		
29 Nov 2023 12:00	02°Cn49'	06°Ge59'	06°Sg59'	27°Sg20'	23°L49'	03°Sg37'	07°Ta15'	01°Pi03'	20°Ta25'	24°Pi54'	28°Cp28'	15°Ar47'		
30 Nov 2023 12:00	15°Cn29'	08°Ge00'	08°Sg00'	28°Sg30'	24°L59'	04°Sg20'	07°Ta09'	01°Pi06'	20°Ta22'	24°Pi53'	28°Cp29'	15°Ar46'		
1 Dec 2023 12:00	27°Cn56'	09°Ge01'	09°Sg01'	29°Sg52'	26°L09'	05°Sg03'	07°Ta03'	01°Pi09'	20°Ta20'	24°Pi53'	28°Cp30'	15°Ar45'		
2 Dec 2023 12:00	10°Lo59'	10°Ge01'	10°Sg01'	01°Cp02'	27°L19'	05°Sg46'	06°Ta57'	01°Pi11'	20°Ta18'	24°Pi53'	28°Cp32'	15°Ar43'		
3 Dec 2023 12:00	22°Le59'	11°Ge02'	11°Sg02'	02°Cp09'	28°L29'	06°Sg29'	06°Ta52'	01°Pi14'	20°Ta15'	24°Pi53'	28°Cp33'	15°Ar42'		
4 Dec 2023 12:00	04°Vi51'	12°Ge03'	12°Sg03'	03°Cp13'	29°L39'	07°Sg12'	06°Ta46'	01°Pi17'	20°Ta13'	24°Pi53'	28°Cp35'	15°Ar41'		
5 Dec 2023 12:00	15°Vi51'	13°Ge04'	13°Sg04'	04°Cp17'	00°Sp50'	07°Sg55'	06°Ta41'	01°Pi20'	20°Ta11'	24°Pi53'	28°Cp36'	15°Ar39'		
6 Dec 2023 12:00	27°Vi43'	14°Ge05'	14°Sg05'	05°Cp08'	02°Sc01'	08°Sg39'	06°Ta36'	01°Pi24'	20°Ta09'	24°Pi53'	28°Cp38'	15°Ar38'		
7 Dec 2023 12:00	08°Li43'	15°Ge06'	15°Sg06'	05°Cp58'	03°Sc17'	09°Sg22'	06°Ta31'	01°Pi27'	20°Ta06'	24°Pi53 D	28°Cp39'	15°Ar37'		
8 Dec 2023 12:00	21°Li55'	16°Ge07'	16°Sg07'	06°Cp42'	04°Sc22'	10°Sg05'	06°Ta27'	01°Pi30'	20°Ta04'	24°Pi53	28°Cp41'	15°Ar36'		
9 Dec 2023 12:00	04°Sc25'	17°Ge08'	17°Sg08'	07°Cp20'	05°Sc33'	10°Sg49'	06°Ta22'	01°Pi34'	20°Ta02'	24°Pi53'	28°Cp42'	15°Ar35'		
10 Dec 2023 12:00	17°Sc15'	18°Ge09'	18°Sg09'	07°Cp50'	06°Sc45'	11°Sg32'	06°Ta18'	01°Pi37'	20°Ta00'	24°Pi53'	28°Cp44'	15°Ar34'		
11 Dec 2023 12:00	00°Sg07'	19°Ge10'	19°Sg10'	08°Cp12'	07°Sc56'	12°Sg16'	06°Ta14'	01°Pi41'	19°Ta58'	24°Pi53'	28°Cp45'	15°Ar33'		
12 Dec 2023 12:00	14°Sg01'	20°Ge11'	20°Sg11'	08°Cp20'	09°Sc07'	12°Sg59'	06°Ta10'	01°Pi45'	19°Ta56'	24°Pi53'	28°Cp47'	15°Ar33'		
13 Dec 2023 12:00	27°Sg58'	21°Ge12'	21°Sg12'	08°Cp29' R	10°Sc19'	13°Sg43'	06°Ta06'	01°Pi49'	19°Ta54'	24°Pi54'	28°Cp49'	15°Ar32'		
14 Dec 2023 12:00	12°Cp08'	22°Ge13'	22°Sg13'	08°Cp21'	11°Sc30'	14°Sg26'	06°Ta02'	01°Pi53'	19°Ta52'	24°Pi54'	28°Cp50'	15°Ar31'		
15 Dec 2023 12:00	26°Cp20'	23°Ge14'	23°Sg14'	08°Cp02'	12°Sc42'	15°Sg10'	06°Ta00'	01°Pi57'	19°Ta50'	24°Pi54'	28°Cp52'	15°Ar30'		
16 Dec 2023 12:00	10°Aq51'	24°Ge15'	24°Sg15'	07°Cp32'	13°Sc54'	15°Sg54'	05°Ta58'	02°Pi01'	19°Ta48'	24°Pi55'	28°Cp53'	15°Ar30'		
17 Dec 2023 12:00	25°Aq14'	25°Ge16'	25°Sg16'	06°Cp50'	15°Sc06'	16°Sg38'	05°Ta54'	02°Pi05'	19°Ta46'	24°Pi55'	28°Cp55'	15°Ar29'		
18 Dec 2023 12:00	09°Pi32'	26°Ge17'	26°Sg17'	05°Cp57'	16°Sc18'	17°Sg22'	05°Ta51'	02°Pi09'	19°Ta44'	24°Pi55'	28°Cp57'	15°Ar29'		
19 Dec 2023 12:00	23°Pi41'	27°Ge18'	27°Sg18'	04°Cp54'	17°Sc30'	18°Sg06'	05°Ta48'	02°Pi13'	19°Ta42'	24°Pi56'	28°Cp59'	15°Ar28'		
20 Dec 2023 12:00	07°Ar41'	28°Ge19'	28°Sg19'	03°Cp42'	18°Sc42'	18°Sg49'	05°Ta46'	02°Pi18'	19°Ta40'	24°Pi56'	29°Cp00'	15°Ar28'		
21 Dec 2023 12:00	21°Ar31'	29°Ge20'	29°Sg20'	02°Cp24'	19°Sc54'	19°Sg33'	05°Ta44'	02°Pi22'	19°Ta39'	24°Pi57'	29°Cp02'	15°Ar27'		
22 Dec 2023 12:00	05°Ta12'	00°Ge21'	00°Cp21'	01°Cp03'	21°Sc06'	20°Sg17'	05°Ta42'	02°Pi27'	19°Ta37'	24°Pi57'	29°Cp04'	15°Ar27'		
23 Dec 2023 12:00	18°Ta43'	01°Ge22'	01°Cp22'	29°Sg46'	22°Sc18'	21°Sg02'	05°Ta40'	02°Pi32'	19°Ta35'	24°Pi58'	29°Cp06'	15°Ar27'		
24 Dec 2023 12:00	02°Ge46'	02°Ge23'	02°Cp23'	28°Sg19'	23°Sc31'	21°Sg46'	05°Ta39'	02°Pi36'	19°Ta34'	24°Pi58'	29°Cp07'	15°Ar27'		
25 Dec 2023 12:00	15°Ge19'	03°Ge23'	03°Cp23'	27°Sg02'	24°Sc43'	22°Sg30'	05°Ta38'	02°Pi41'	19°Ta32'	24°Pi59'	29°Cp09'	15°Ar27'		
26 Dec 2023 12:00	28°Ge15'	04°Ge24'	04°Cp24'	25°Sg52'	25°Sc56'	23°Sg14'	05°Ta37'	02°Pi46'	19°Ta30'	25°Pi00'	29°Cp11'	15°Ar27'		
27 Dec 2023 12:00	11°Cn02'	05°Ge27'	05°Cp27'	24°Sg50'	27°Sc09'	23°Sg58'	05°Ta36'	02°Pi51'	19°Ta29'	25°Pi00'	29°Cp13'	15°Ar27 D		
28 Dec 2023 12:00	23°Cn36'	06°Ge28'	06°Cp28'	23°Sg58'	28°Sc21'	24°Sg43'	05°Ta35'	02°Pi56'	19°Ta27'	25°Pi01'	29°Cp15'	15°Ar27'		
29 Dec 2023 12:00	05°Le55'	07°Ge29'	07°Cp29'	23°Sg16'	29°Sc34'	25°Sg27'	05°Ta33'	03°Pi01'	19°Ta26'	25°Pi02'	29°Cp16'	15°Ar27'		
30 Dec 2023 12:00	18°Le05'	08°Ge30'	08°Cp30'	22°Sg44'	00°Sg47'	26°Sg11'	05°Ta34'	03°Pi06'	19°Ta25'	25°Pi03'	29°Cp18'	15°Ar27'		