Declinations for 2021

EST +05:00	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron	True Node
Tropical	O	¥	Ŷ	്	4	<b>চ্</b>		Ψ	Ψ	ę	Ω
Geocentric Decl											
Jan 1 2021	-22°58'	-24°18'		+11°22'						+04°20'	
Jan 2 2021	-22°53'			+11°33'						+04°20'	
Jan 3 2021	-22°47'	-23°51'		+11°43'				-05°32'		+04°21'	
Jan 4 2021	-22°41'			+11°54'				-05°31'		+04°21'	
Jan 5 2021 Jan 6 2021	−22°35' −22°28'	-23°18' -22°59'		+12°04' +12°15'				−05°31' −05°30'		+04°21' +04°21'	
Jan 7 2021				+12°26'				-05°30'		+04°22'	
Jan 8 2021				+12°36'				-05°29'		+04°22'	
Jan 9 2021	-22°04'			+12°47'				-05°29'		+04°22'	
Jan 10 2021	-21°55'	-21°28'		+12°58'				-05°28'		+04°23'	
Jan 11 2021	-21°46'	-21°02'		+13°08'				-05°27'	-22°24'	+04°23'	+23°02'
Jan 12 2021	-21°36'	-20°34'	-23°10'	+13°19'	-19°24'	-19°53'	+13°20'	-05°27'	-22°23'	+04°23'	+23°02'
Jan 13 2021	-21°26'	-20°05'	-23°10'	+13°30'	-19°21'	-19°51'	+13°20'	-05°26'	-22°23'	+04°24'	+23°02'
Jan 14 2021	−21°15'	−19°35'		+13°41'				-05°26'		+04°24'	
Jan 15 2021		-19°03'		+13°51'				-05°25'		+04°25'	
Jan 16 2021		-18°31'		+14°02'				-05°24'		+04°25'	
Jan 17 2021		-17°57'		+14°13'				-05°24'		+04°26'	
Jan 18 2021		-17°23'		+14°24'				-05°23'		+04°26'	
Jan 19 2021	-	-16°48'		+14°34'				-05°23'		+04°27'	
Jan 20 2021		-16°13' -15°37'		+14°45' +14°56'				−05°22' −05°21'		+04°27' +04°28'	
Jan 21 2021 Jan 22 2021		-15 37 -15°02'		+14 56 +15°06'				-05 21 -05°20'		+04 28 +04°28'	
Jan 23 2021		-14°28'		+15°00				-05°20'		+04°29'	
Jan 24 2021		-13°54'		+15°28'				-05°20		+04°30'	
Jan 25 2021		-13°21'		+15°38'				-05°18'		+04°30'	
Jan 26 2021		-12°50'		+15°49'				-05°18'		+04°31'	
Jan 27 2021		-12°21'		+15°59'				-05°17'		+04°32'	
Jan 28 2021	-18°08'	−11°55'		+16°10'				–05°16'	−22°19'	+04°32'	+22°58'
Jan 29 2021	-17°52'	-11°31'	-21°29'	+16°20'	-18°24'	-19°26'	+13°22'	-05°16'		+04°33'	
Jan 30 2021				+16°31'				-05°15'		+04°34'	
Jan 31 2021		-10°55'		+16°41'				-05°14'		+04°35'	
Feb 1 2021		-10°43'		+16°51'				-05°13'		+04°35'	
Feb 2 2021		-10°35'		+17°02'				-05°13'		+04°36'	
Feb 3 2021	-	-10°31'		+17°12'						+04°37'	
Feb 4 2021		-10°32'						−05°11' −05°10'		+04°38' +04°39'	
Feb 5 2021 Feb 6 2021		−10°37' −10°46'								+04 39 +04°40'	
Feb 7 2021		-10°40 -10°59'								+04°40'	
Feb 8 2021		-11°15'								+04°41'	
Feb 9 2021		-11°33'						-05°07'		+04°42'	
Feb 10 2021				+18°21'				-05°06'		+04°43'	
Feb 11 2021		−12°14'						-05°05'	-22°16'	+04°44'	+22°52'
Feb 12 2021	-13°37'	−12°37'	-17°46'	+18°41'	-17°30'	-19°02'	+13°28'	-05°04'	-22°15'	+04°45'	+22°51'
Feb 13 2021				+18°50'				-05°04'		+04°46'	
Feb 14 2021		−13°21'		+19°00'						+04°47'	
Feb 15 2021		-13°42'		+19°09'						+04°48'	
Feb 16 2021		-14°03'								+04°49'	
Feb 17 2021		-14°22'	•							+04°50'	
Feb 18 2021		-14°39'								+04°51'	
Feb 19 2021		-14°56'						-04°59' -04°58'		+04°52' +04°53'	
Feb 20 2021 Feb 21 2021		-15°10' -15°23'						−04°58' −04°57'		+04°53' +04°54'	
Feb 22 2021		-15 23 -15°34'						-04 57 -04°56'		+04°54	
Feb 23 2021		-15°44'						-04°55'		+04°56'	
Feb 24 2021		-15°52'								+04°58'	
Feb 25 2021		-15°58'								+04°59'	
Feb 26 2021		-16°02'								+05°00'	
Feb 27 2021		-16°05'								+05°01'	
Feb 28 2021	–07°53'	-16°06'	-11°32'	+21°03'	-16°27'	-18°36'	+13°38'			+05°02'	
Mar 1 2021		-16°06'						-04°50'		+05°03'	
Mar 2 2021		−16°04'								+05°04'	
Mar 3 2021	-06°44'	-16°00'	−10°11'	+21°26'	-16°15'	−18°31'	+13°40'	-04°48'	-22°12'	+05°06'	+22°38'

EST +05:00	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron	True Node
Tropical	Õ	¥	ŶĊĨĨŭŜ	ď	4	হ	ж	Ψ	Ψ	۲. ۲	ິດ
Geocentric Decl	-		-	-	-		Ū		•	_	
Mar 4 2021											+22°38'
Mar 5 2021 Mar 6 2021		−15°48' −15°39'				−18°28' −18°27'				1	+22°37' +22°37'
Mar 7 2021		-15 39 -15°30'				-18°25'				1	+22 37 +22°37'
Mar 8 2021		-15°18'				-18°23				1	+22°37'
Mar 9 2021		-15°06'				-18°22'					+22°37'
Mar 10 2021						-18°21'					+22°36'
Mar 11 2021	-03°37'	-14°36'	-06°25'	+22°24'	−15°43'	-18°19'	+13°46'	−04°41'	−22°10'	+05°15'	+22°35'
Mar 12 2021	-03°14'	−14°19'				-18°18'				1	+22°33'
Mar 13 2021		-14°00'				-18°16'				1	+22°32'
Mar 14 2021	-02°26'					-18°15'					+22°30'
Mar 15 2021						-18°13'					+22°29'
Mar 16 2021 Mar 17 2021		−12°57' −12°34'				-18°12' -18°10'				1	+22°27' +22°27'
Mar 17 2021 Mar 18 2021	-01 15 -00°52'					-18°09'					+22 27 +22°26'
Mar 19 2021	-00°32 -00°28'					-18°09					+22°26'
Mar 20 2021						-18°06'					+22°26'
Mar 21 2021						-18°05'					+22°26'
Mar 22 2021	+00°42'					-18°04'				1	+22°26'
Mar 23 2021	+01°06'					-18°02'			–22°09'	+05°31'	+22°25'
Mar 24 2021	+01°30'	-09°12'	+00°01'	+23°39'	−14°52'	-18°01'	+13°58'	-04°30'	-22°09'	+05°32'	+22°25'
	+01°53'					-18°00'					+22°24'
	+02°17'					-17°58'				1	+22°23'
Mar 27 2021	+02°40'					-17°57'					+22°22'
Mar 28 2021	+03°04'					-17°56'				1	+22°21'
Mar 29 2021	+03°27'					-17°55'				1	+22°19'
Mar 30 2021 Mar 31 2021	+03°50' +04°14'					-17°53' -17°52'				1	+22°18' +22°18'
Apr 1 2021	+04 14 +04°37'					-17°52				1	+22°17'
Apr 2 2021	+05°00'					-17°50'				1	+22°17'
Apr 3 2021	+05°23'					-17°49'				1	+22°17'
	+05°46'					-17°48'					+22°18'
	+06°09'	-01°13'	+06°02'	+24°27'	-14°07'	-17°46'	+14°10'	–04°19'	-22°09'	+05°48'	+22°17'
	+06°31'					–17°45'					+22°17'
Apr 7 2021						-17°44'				1	+22°17'
Apr 8 2021		+01°09'									+22°16'
		+01°59'									+22°15'
		+02°49'								1	+22°13'
Apr 11 2021 Apr 12 2021		+03°40' +04°32'				-17 40 -17°39'					+22°12' +22°11'
Apr 12 2021		+04 32 +05°24'									+22°10'
Apr 14 2021		+06°17'									+22°09'
		+07°11'									+22°09'
		+08°05'									+22°09'
		+08°59'								1	+22°09'
Apr 18 2021	+10°54'	+09°53'	+12°10'	+24°51'	-13°23'	-17°34'	+14°24'	-04°09'	-22°09'	+06°05'	+22°09'
		+10°47'									+22°09'
Apr 20 2021		+11°40'								1	+22°09'
Apr 21 2021		+12°34'								1	+22°09'
Apr 22 2021		+13°27'								1	+22°09'
Apr 23 2021		+14°19'									+22°08'
		+15°10' +15°59'									+22°07' +22°07'
		+15°59 +16°48'								1	+22°07 +22°06'
		+17°35'								1	+22°05'
		+18°19'								1	+22°05'
		+19°02'									+22°05'
Apr 30 2021		+19°43'								1	+22°05'
May 1 2021		+20°22'								1	+22°05'
May 2 2021						−17°25'				1	+22°05'
May 3 2021		+21°32'									+22°06'
May 4 2021	+16°01'	+22°03'	+18°33'	+24°42'	-12°36'	-17°24'	+14°42'	-03°59'	-22°11'	+06°26'	+22°06'

EST +05:00	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron	True Node
Tropical	0	¥	Ŷ	ď	4	<del>ب</del>	ж	Ψ	Ψ	Ł	Ω
Geocentric Decl			100501	0.40.401	100001	1700.41		000501	000441	0.0007	000051
	+16°18'					-17°24' -17°23'					+22°05' +22°05'
May 6 2021 May 7 2021	+16 35 +16°52'					-17 23					+22 05 +22°05'
May 8 2021	+17°08'					-17°23'					+22°03'
	+17°24'					-17°23'					+22°04'
May 10 2021	+17°40'					-17°22'					+22°03'
May 11 2021	+17°56'	+24°33'	+20°44'	+24°25'	-12°19'	-17°22'	+14°49'	-03°55'			+22°03'
May 12 2021	+18°11'					-17°22'					+22°03'
May 13 2021	+18°26'					−17°22'				+06°36'	
May 14 2021	+18°40'			+24°14'						+06°37'	
May 15 2021	+18°54'					-17°21'				+06°38'	
May 16 2021 May 17 2021	+19°08 +19°22'	+25°12'				-17°21' -17°21'					+22°03' +22°03'
May 18 2021	+19°22 +19°35'					-17°21'					+22°03'
May 19 2021						-17°21'					+22°03'
May 20 2021						-17°21'					+22°03'
May 21 2021						-17°21'					+22°03'
May 22 2021	+20°25'					-17°22'					+22°03'
May 23 2021	+20°37'	+24°52'	+23°23'	+23°35'	-11°55'	-17°22'	+15°02'	-03°49'	-22°15'	+06°47'	+22°03'
May 24 2021	+20°48'	-				-17°22'					+22°03'
May 25 2021		+24°33'		+23°24'							+22°03'
May 26 2021		+24°22'				-17°22'					+22°03'
May 27 2021						-17°22'					+22°03'
May 28 2021	+21°29'					-17°23'					+22°03'
May 29 2021	+21°38'					-17°23'					+22°03'
May 30 2021 May 31 2021		+23°27' +23°11'				-17°23'					+22°03' +22°03'
Jun 1 2021						-17°24'					+22°03'
Jun 2 2021						-17°24'					+22°03'
Jun 3 2021						-17°25'					+22°03'
Jun 4 2021						-17°25'					+22°03'
Jun 5 2021	+22°33'	+21°42'	+24°26'	+22°15'	-11°39'	-17°26'	+15°14'	-03°45'			+22°03'
Jun 6 2021	+22°40'	+21°24'				1			-22°19'	+06°59'	+22°03'
Jun 7 2021						-17°27'					+22°03'
Jun 8 2021		+20°47'								+07°01'	
Jun 9 2021		+20°29'									+22°03'
Jun 10 2021											+22°03'
Jun 11 2021 Jun 12 2021								-03°44' -03°44'			+22°03' +22°03'
Jun 13 2021		+19 38 +19°24'									+22°03' +22°03'
Jun 14 2021		+19°24									+22°03'
Jun 15 2021		+18°57'									+22°02'
Jun 16 2021		+18°46'								+07°07'	
Jun 17 2021	+23°22'	+18°37'	+23°37'	+20°38'	-11°35'	-17°33'	+15°25'	-03°44'	-22°23'	+07°07'	+22°02'
Jun 18 2021		+18°29'							-22°23'	+07°08'	+22°02'
Jun 19 2021		+18°23'									+22°02'
Jun 20 2021		+18°19'									+22°02'
Jun 21 2021		+18°16'								+07°09'	
Jun 22 2021						-17°38'				+07°10'	
Jun 23 2021						-17°38'				+07°10' +07°11'	
Jun 24 2021 Jun 25 2021		+18°23'				-17°39'					+22°02 +22°02'
Jun 26 2021		+18°23									+22°02' +22°02'
Jun 27 2021		+18°35'									+22°01'
Jun 28 2021		+18°44'									+22°01'
Jun 29 2021								-03°44'			+22°00'
Jun 30 2021		+19°04'									+22°00'
Jul 1 2021		+19°16'									+22°00'
Jul 2 2021						-17°47'				+07°14'	
Jul 3 2021		+19°43'								+07°15'	
Jul 4 2021		+19°57'									+22°00'
Jul 5 2021	+22 45	+20°11'	+19'24'	+17:36	-11-46	-17 51	T 15 38	-03-45	-22-29	±07°15'	+22°00'

EST +05:00	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron	True Node
Tropical	O	¥	Ŷ	ď	4	፟	፠	Ψ	Ψ	Ł	Ω
Geocentric Decl			. 100051	. 170051	4 4 0 4 71	170501	. 4 500.01	000451	000001	. 070451	
		+20°26' +20°41'								+07°15' +07°16'	
				+17°02'						+07°16'	
		+21°11'								+07°16'	
		+21°26'								+07°16'	
		+21°40'								+07°16'	
				+16°15' +16°03'						+07°17' +07°17'	-
Jul 13 2021 Jul 14 2021	+21°47'			+16 03 +15°51'				-03 46 -03°47'		+07°17'	
Jul 15 2021				+15°39'						+07°17'	
	+21°19'			+15°27'						+07°17'	
				+15°14'						+07°17'	
	+20°58'			+15°02'						+07°17'	
		+22°51' +22°51'		+14°49'						+07°17' +07°17'	
				+14°24'						+07°17'	
				+14°11'						+07°17'	
	+20°01'	+22°38'		+13°58'	-12°18'	-18°13'	+15°47'	-03°49'		+07°17'	
Jul 24 2021	+19°48'					−18°14'				+07°17'	
				+13°32'						+07°16'	
	+19°22' +19°09'			+13°19' +13°05'						+07°16' +07°16'	
	+19°09 +18°55'	-		+13°03 +12°52'						+07°16'	
	+18°41'			+12°38'						+07°16'	
	+18°27'	+20°37'	+09°09'	+12°25'	-12°35'	-18°22'	+15°49'	-03°52'		+07°16'	
	+18°12'			+12°11'						+07°15'	
				+11°57'						+07°15'	
Aug 2 2021 Aug 3 2021	+17°42' +17°26'			+11°44' +11°30'						+07°15' +07°14'	
	+17°10'			+11°16'						+07°14'	
	+16°54'			+11°02'						+07°14'	
	+16°38'			+10°48'						+07°13'	
				+10°34'						+07°13'	
		+15°29' +14°49'		+10°19'						+07°13' +07°12'	
Aug 9 2021 Aug 10 2021		+14°07'								+07°12'	
Aug 11 2021		+13°25'								+07°11'	
		+12°42'	+02°41'	+09°22'	-13°10'	-18°38'	+15°52'	–03°59'		+07°11'	
	+14°35'			+09°07'						+07°10'	
		+11°15'								+07°10'	
		+10°31' +09°46'	•	+08°38' +08°23'		1				+07°09' +07°09'	
				+08°08'						+07°08'	
		+08°17'		+07°53'						+07°07'	
Aug 19 2021			•	+07°39'		1				+07°07'	
				+07°24'						+07°06'	
		+06°03'		+07°09'						+07°05'	
	+11°42' +11°21'			+06°54' +06°38'				-04°05' -04°05'		+07°05' +07°04'	
		+03°51'		+06°23'				-04°06'		+07°03'	
		+03°07'		+06°08'						+07°03'	
	+10°20'			+05°53'						+07°02'	
	+09°59'			+05°38'						+07°01'	
	+09°37' +09°16'			+05°22'						+07°00' +07°00'	
	+09 16 +08°55'			+05°07' +04°52'						+07 00 +06°59'	
	+08°33'			+04°36'						+06°58'	
Sep 1 2021	+08°11'	-01°49'		+04°21'						+06°57'	
	+07°50'			+04°05'						+06°56'	
	+07°28'			+03°50'						+06°55'	
	+07°06' +06°43'			+03°34' +03°18'						+06°55' +06°54'	
3ep 3 2021	100 43	-04 ZI	109 31	rus 10	-14 13	19 04	15 50	04 13	22 40	100 34	121 14

EST +05:00	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron	True Node
Tropical	O	¥	Ŷ	്	4	<b></b>	፠	Ψ	Ŷ	ę	Ω
Geocentric Decl Sep 6 2021		-05°04'	_10°00'	±03₀03,	_1/017'	-10°05'	±15°50'	-04°14'	-22°40'	+06°53'	±21°12'
Sep 7 2021	+06 21 +05°59'					-19°05					+21°12 +21°10'
Sep 8 2021	+05°36'					-19°07'		-04°15'		+06°51'	
Sep 9 2021	+05°13'					-19°07'		-04°16'			+21°07'
Sep 10 2021	+04°51'					-19°08'		-04°17'		+06°49'	
Sep 11 2021	+04°28'					-19°09'					+21°05'
Sep 12 2021 Sep 13 2021	+04°05' +03°42'					-19°10' -19°10'		-04°18' -04°19'		+06°47'	+21°04' +21°04'
Sep 13 2021	+03°19'					-19°11'		-04°19'		+06°45'	
Sep 15 2021	+02°56'					-19°12'		-04°20'		+06°44'	
Sep 16 2021						-19°12'		-04°21'		+06°43'	
Sep 17 2021						-19°13'		-04°21'		+06°42'	
Sep 18 2021						-19°13'		-04°22'		+06°41'	
Sep 19 2021 Sep 20 2021						−19°14' −19°15'		-04°23' -04°23'		1	+20°59' +20°57'
Sep 20 2021						-19°15'		-04°24'		+06°38'	
Sep 22 2021						-19°16'		-04°25'		+06°37'	
Sep 23 2021	-00°09'			-01°24'	-14°51'	-19°16'	+15°43'	-04°25'	-22°51'	+06°36'	+20°51'
Sep 24 2021			-18°03'			-19°16'		-04°26'		+06°35'	
Sep 25 2021			-18°27'			-19°17'		-04°27'		+06°34'	
Sep 26 2021						-19°17'		-04°27'		+06°32'	
Sep 27 2021 Sep 28 2021			−19°13' −19°35'			-19°18' -19°18'		-04°28' -04°28'		+06°31' +06°30'	
Sep 20 2021						-19°18'		-04°29'		+06°29'	
Sep 30 2021						-19°19'		-04°30'		+06°28'	
Oct 1 2021						-19°19'		-04°30'		1	+20°49'
Oct 2 2021	-03°39'					-19°19'				+06°26'	
Oct 3 2021	-04°02'					-19°19'		-04°32'		1	+20°47'
Oct 4 2021		-11°46'				-19°20'		-04°32'		+06°23' +06°22'	
Oct 5 2021 Oct 6 2021			−22°00' −22°18'			-19°20' -19°20'		-04°33' -04°33'		+06°22 +06°21'	
Oct 7 2021		-10°02'	-22°36'	-05°05'		-19°20'		-04°34'		+06°20'	
Oct 8 2021	-05°57'					-19°20'		-04°34'		+06°19'	
Oct 9 2021	-06°20'		-23°11'			-19°20'		-04°35'		+06°18'	
Oct 10 2021	-06°43'					-19°20'				+06°17'	
Oct 11 2021						-19°20'				+06°16'	
Oct 12 2021 Oct 13 2021	-07°28 -07°50'	-06°23'						-04°37' -04°37'		+06°14'	+20°40' +20°40'
Oct 14 2021	-08°13'					-19°20'				+06°12'	
Oct 15 2021	-08°35'					-19°20'					+20°39'
Oct 16 2021			−24°56'			-19°20'				+06°10'	
Oct 17 2021						-19°20'				+06°09'	
Oct 18 2021	-09°41'					-19°19'				+06°08'	
Oct 19 2021 Oct 20 2021	-10°03' -10°24'		-25°32'			-19°19'				+06°06'	+20°35' +20°34'
Oct 21 2021						-19°19' -19°19'				+06°05 +06°04'	
Oct 22 2021	-11°07'					-19°18'				+06°03'	
Oct 23 2021	-11°28'					-19°18'				+06°02'	
Oct 24 2021						-19°18'				+06°01'	
Oct 25 2021						-19°18'				+06°00'	
Oct 26 2021						-19°17'				+05°59'	
Oct 27 2021						-19°17'				+05°58'	
Oct 28 2021 Oct 29 2021						-19°16' -19°16'				+05°57' +05°56'	
Oct 30 2021	-13°50'					-19°15'				+05°55'	
Oct 31 2021						-19°15'					+20°32'
Nov 1 2021	-14°29'	-06°54'	-27°05'	−11°25'	-15°00'	-19°14'	+15°19'	-04°46'	-22°52'	+05°53'	+20°32'
Nov 2 2021	-14°48'					-19°14'				+05°52'	
Nov 3 2021	-15°07'					-19°13'				+05°51'	
Nov 4 2021	-15°25'					-19°13' -19°12'				+05°50'	
Nov 5 2021 Nov 6 2021	-15°44 -16°02'					-19°12'				+05°49' +05°48'	
	10.02	03 00	21 14	12 00	17 04		. 10 10		22 01	1.00 40	. 20 00

EST +05:00	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron	True Node
Tropical	O	¥	Ŷ	്	4	<del>ب</del>	፟	Ψ	Ŷ	k	Ω
Geocentric Decl											
Nov 7 2021										1	+20°30'
Nov 8 2021						-19°10'				1	+20°30'
Nov 9 2021		-11°52'				-19°09'					+20°30'
Nov 10 2021						-19°08'				1	+20°31'
Nov 11 2021		-13°06'				-19°08'					+20°31'
Nov 12 2021						-19°07'				1	+20°31'
Nov 13 2021						−19°06' −19°05'					+20°30' +20°30'
Nov 14 2021 Nov 15 2021		-14°55' -15°30'				-19 05 -19°04'				1	+20°30' +20°30'
Nov 16 2021		-15 30 -16°04'				-19°04 -19°03'				1	+20°30'
Nov 17 2021		-16°38'				-19°03'				1	+20°30'
Nov 18 2021		-17°11'				-19°02'					+20°29'
Nov 19 2021		-17°43'				-19°01'				1	+20°29'
Nov 20 2021		-18°14'				-19°00'					+20°29'
Nov 21 2021		-18°44'				-18°59'					+20°29'
Nov 22 2021		-19°14'				-18°58'					+20°29'
Nov 23 2021		-19°42'				-18°56'				1	+20°29'
Nov 24 2021	-20°35'	–20°10'	-25°53'	-16°34'	−14°20'	−18°55'	+15°02'	-04°51'	−22°48'	+05°33'	+20°29'
Nov 25 2021	-20°46'	-20°36'	-25°44'	-16°47'	−14°18'	−18°54'	+15°01'	-04°51'	−22°48'	+05°32'	+20°29'
Nov 26 2021	-20°58'	-21°02'	-25°35'	-16°59'	−14°15'	-18°53'	+15°00'	-04°51'	-22°48'	+05°31'	+20°29'
Nov 27 2021	-21°09'	-21°27'	-25°26'	-17°11'	-14°12'	-18°52'	+15°00'	-04°51'	-22°48'	+05°31'	+20°29'
Nov 28 2021	-21°20'	−21°50'				−18°51'				1	+20°29'
Nov 29 2021	-21°30'					-18°50'				1	+20°29'
Nov 30 2021	-21°40'					−18°48'				1	+20°30'
Dec 1 2021						−18°47'				1	+20°30'
Dec 2 2021	-21°58'					-18°46'				1	+20°30'
Dec 3 2021		-23°31'				-18°45'				1	+20°30'
Dec 4 2021	-22°15'					-18°43'				1	+20°30'
Dec 5 2021	-22°23'					-18°42'				1	+20°30'
Dec 6 2021	-22°30'					-18°41'				1	+20°30'
Dec 7 2021 Dec 8 2021	-22°37' -22°44'					-18°39'					+20°29' +20°29'
Dec 8 2021 Dec 9 2021	-22°44 -22°49'					−18°38' −18°37'					+20 29 +20°29'
Dec 9 2021 Dec 10 2021	-22°55'					-18°35'					+20 29 +20°28'
Dec 10 2021	-22°33' -23°00'					-18°34'				1	+20°28'
Dec 12 2021								-04°50'		1	+20°28'
Dec 13 2021								-04°50'			
Dec 14 2021								-04°50'		1	1 1
Dec 15 2021								-04°49'		1	+20°29'
Dec 16 2021								-04°49'			+20°30'
Dec 17 2021	-23°21'							-04°49'		1	+20°30'
Dec 18 2021	-23°23'	−25°23'	-21°18'	-20°48'	-13°06'	-18°23'	+14°48'	-04°49'	−22°43'	+05°22'	+20°29'
Dec 19 2021	-23°24'		-21°05'	–20°57'	-13°03'	-18°22'	+14°48'	-04°48'	-22°42'	+05°22'	+20°29'
Dec 20 2021	-23°25'							-04°48'	-22°42'	+05°21'	+20°28'
Dec 21 2021	-23°26'							-04°48'		1	+20°27'
Dec 22 2021								-04°48'		1	+20°26'
Dec 23 2021		-24°48'								1	+20°25'
Dec 24 2021						-18°14'					+20°24'
Dec 25 2021						-18°12'				1	+20°23'
Dec 26 2021						-18°10'				1	+20°23'
Dec 27 2021						-18°08'				1	+20°23'
Dec 28 2021		-23°36'								1	+20°23'
Dec 29 2021						-18°05'				1	+20°23'
Dec 30 2021								-04°45'			+20°24' +20°24'
Dec 31 2021	-23 04	-22°36'	-10 43	-77 72,	-12 15		T14 43	-04°44'	-22 39	±00 21.	+20°24'