Declinations in 2028

EST +05:00	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron	True Node
Tropical	Ο	¥	Ŷ	ď	4	ħ	ж	Ψ	Ψ	k	Ω
Geocentric Decl			-								
Jan 1 2028	-23°02'									+11°06'	
Jan 2 2028	-22°57'		-17°38'							+11°06'	
Jan 3 2028	-22°51'		-17°15'							+11°05'	
Jan 4 2028	-22°45'	-22°51'				+05°53'				+11°05'	
Jan 5 2028 Jan 6 2028	-22°39' -22°32'					+05°54' +05°55'				+11°05' +11°05'	
Jan 7 2028	-22°25'		-15°38'							+11°05'	
Jan 8 2028	-22°18'		-15°13'							+11°05'	
Jan 9 2028	-22°09'		-14°47'							+11°05'	
Jan 10 2028		-20°21'								+11°05'	
Jan 11 2028	-21°52'	-19°51'	-13°55'	–19°51'	+02°11'	+05°59'	+21°17'	+00°18'	–23°17'	+11°05'	-19°37'
Jan 12 2028	-21°43'		-13°28'							+11°05'	
Jan 13 2028			-13°01'							+11°05'	
Jan 14 2028	-		-12°34'							+11°05'	
Jan 15 2028						+06°04'				+11°05'	
Jan 16 2028			-11°38'							+11°05'	
Jan 17 2028			-11°10'							+11°05'	
Jan 18 2028 Jan 19 2028			-10°41'			+06°07'				+11°05' +11°05'	
Jan 20 2028		-15°43 -15°14'				+06°09 +06°10'				+11°05'	
Jan 21 2028		-14°47'				+06°11'				+11°05'	
Jan 22 2028	-19°46'					+06°13'				+11°05'	
Jan 23 2028		-13°59'				+06°14'				+11°06'	
Jan 24 2028		-13°39'				+06°15'				+11°06'	
Jan 25 2028		-13°23'	-07°14'	-16°47'	+02°21'	+06°17'	+21°14'	+00°25'	-23°11'	+11°06'	-19°37'
Jan 26 2028						+06°18'				+11°06'	
Jan 27 2028		-13°02'				+06°20'				+11°07'	
Jan 28 2028		-12°57'				+06°22'				+11°07'	
Jan 29 2028		-12°56'				+06°23'				+11°07'	
Jan 30 2028		−13°00' −13°06'				+06°25' +06°27'				+11°08' +11°08'	
Jan 31 2028 Feb 1 2028		-13°16'				+06°27 +06°28'				+11°08'	
Feb 2 2028	-16°56'					+06°30'				+11°09'	
Feb 3 2028		-13°44'				+06°32'				+11°09'	
Feb 4 2028		-14°01'				+06°34'				+11°10'	
Feb 5 2028	-16°03'	-14°19'	-01°34'	-13°57'	+02°39'	+06°36'	+21°13'	+00°32'	-23°06'	+11°10'	-19°38'
										+11°11'	
										+11°11'	
						1				+11°12'	
		-15°34'								+11°12'	
Feb 10 2028		−15°51' −16°08'	+01°02' +01°33'							+11°13'	
Feb 11 2028 Feb 12 2028	-		+01°33 +02°05'							+11°13' +11°14'	
Feb 13 2028		-16°23								+11°14'	
Feb 14 2028		-16°50'								+11°15'	
Feb 15 2028		-17°02'								+11°16'	
Feb 16 2028		−17°12'								+11°16'	
Feb 17 2028	-12°09'	-17°21'	+04°41'	-10°33'	+03°06'	+07°00'	+21°13'	+00°41'	-23°02'	+11°17'	-19°41'
		−17°28'								+11°18'	
Feb 19 2028		-17°34'								+11°18'	
Feb 20 2028	-11°05'									+11°19'	
Feb 21 2028		-17°41'								+11°20'	
Feb 22 2028		−17°42' −17°42'								+11°21'	
Feb 23 2028 Feb 24 2028		-17°42' -17°41'								+11°21' +11°22'	
Feb 24 2028 Feb 25 2028	-09°38 -09°16'									+11°23'	
Feb 26 2028		-17°33'								+11°24'	
Feb 27 2028		-17°28'								+11°24'	
Feb 28 2028										+11°25'	
Feb 29 2028	-07°46'	–17°12'	+10°42'	-06°55'	+03°41'	+07°27'	+21°14'	+00°51'	−22°58'	+11°26'	-19°47'
Mar 1 2028		-17°02'								+11°27'	
Mar 2 2028	–07°00'	-16°51'	+11°39'	-06°18'	+03°47'	+07°32'	+21°15'	+00°52'	-22°57'	+11°28'	-19°49'

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EST +05:00	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron	True Node
Tropical	O	¥	Ŷ	ď	4	<u></u> ჯ	ж	Ψ	Ψ	ķ	Ω
Geocentric Decl								-	-		
Mar 3 2028		-16°38'								+11°29'	
Mar 4 2028 Mar 5 2028		−16°24' −16°08'								+11°30' +11°31'	
Mar 6 2028		-15°52'								+11°31'	
Mar 7 2028		-15°34'								+11°32'	
Mar 8 2028		−15°14'								+11°33'	
Mar 9 2028		−14°54'								+11°34'	
Mar 10 2028		-14°32'								+11°35'	
Mar 11 2028 Mar 12 2028		−14°08' −13°44'								+11°36' +11°37'	
Mar 13 2028		-13°44 -13°18'								+11°38'	
Mar 14 2028		-12°51'								+11°39'	
Mar 15 2028		-12°22'								+11°40'	1
Mar 16 2028		−11°53'							−22°54'	+11°41'	–20°00'
Mar 17 2028		−11°22'								+11°42'	
Mar 18 2028		-10°50'					-			+11°43'	
Mar 19 2028		-10°17'								+11°44'	
Mar 20 2028 Mar 21 2028	+00°02' +00°26'					+08°18' +08°21'				+11°45' +11°47'	
Mar 22 2028	+00°20 +00°50'									+11°48'	
Mar 23 2028	+01°13'					1				+11°49'	
Mar 24 2028	+01°37'					+08°29'				+11°50'	
Mar 25 2028	+02°00'					+08°31'				+11°51'	
Mar 26 2028	+02°24'									+11°52'	
Mar 27 2028	+02°48'									+11°53'	
Mar 28 2028	+03°11'									+11°54'	
Mar 29 2028 Mar 30 2028	+03°34' +03°58'					+08°42' +08°45'				+11°55' +11°56'	
Mar 31 2028	+04°21'					+08°47'				+11°58'	
Apr 1 2028	+04°44'									+11°59'	
Apr 2 2028	+05°07'	-00°31'								+12°00'	
Apr 3 2028		+00°18'								+12°01'	
Apr 4 2028		+01°09'								+12°02'	
Apr 5 2028		+02°00'								+12°03'	
Apr 6 2028		+02°52'								+12°05'	
Apr 7 2028 Apr 8 2028		+03°45' +04°39'								+12°06' +12°07'	
Apr 9 2028		+05°33'								+12°07	
Apr 10 2028		+06°27'								+12°09'	
Apr 11 2028		+07°22'								+12°10'	
Apr 12 2028		+08°17'								+12°12'	
Apr 13 2028		+09°12'								+12°13'	
Apr 14 2028		+10°08'								+12°14'	
Apr 15 2028 Apr 16 2028		+11°02' +11°56'								+12°15' +12°16'	
Apr 10 2020		+12°50'								+12°18'	
Apr 18 2028		+13°43'								+12°19'	
Apr 19 2028		+14°34'								+12°20'	1
Apr 20 2028	+11°41'	+15°25'	+27°02'	+08°51'	+05°56'	+09°41'	+21°32'	+01°35'	-22°52'	+12°21'	-20°36'
Apr 21 2028		+16°13'								+12°22'	
Apr 22 2028		+17°00'								+12°23'	
Apr 23 2028		+17°46'									-20°42'
Apr 24 2028 Apr 25 2028		+18°29' +19°10'								+12°26'	-20°45° -20°47'
Apr 26 2028		+19°10 +19°49'									-20°47 -20°49'
Apr 27 2028		+20°25'								+12°29'	
Apr 28 2028		+20°59'								+12°31'	
Apr 29 2028	+14°37'	+21°30'	+27°42'	+11°22'	+06°07'	+10°05'	+21°37'	+01°42'	-22°53'	+12°32'	-20°54'
Apr 30 2028		+21°59'								+12°33'	
May 1 2028		+22°25'								+12°34'	
May 2 2028		+22°49'								+12°35'	
May 3 2028	+15'49'	+23°10'	+21'41'	+12 20	+06-10'	+10115	±∠1°39'	±01°45	-22'53'	+12°36'	-20.54

Declinations

Tropical © ¥ P Å Å Å Å Ý ¥ P Ø May 5 2028 +16'24 -22'32 +27'46 +12'42 +06'10 +10'16' +22'33 +12'38 -20'56 May 5 2028 +16'24 +22'40' +11'10'23' +11'10'23' +11'11'2 +22'54' +12'39' -20'56 May 2028 +17'12 +22'04' +17'39' +31'41' +10'28' +11'14' +22'54' +12'42' -20'57' May 10208 +17'29' +23'34' +23'38' +06'12' +10'38' +11'41' +11'48' -22'54' +12'42' -21'04' May 10208 +18'0'9' +23'8' +77'0'1'42' +14'42' +01'1'1'1'0'3' +14'4'1'40'1'52' +22'5'1'42'4' +11'0'3' +11'1'40'-5'2'1'45' +11'5'2'2'1'4'5'1'4'1'5'2'1'2'1'6'1'4'1'5'2'1'4'5'1'4'1'5'2'1'4'5'1'1'5'2'1'4'5'1'1'5'2'1'4'5'1'1'5'2'1'4'5'1'1'5'2'1'4'5'1'4'5'2'1'45'1'4'5'2'1'4'5'1'1'5'2'1'4'5'1'4'5'2'1'4'5'1'1'5'2'1'4'5'1'4'5'2'1'4'5'1'4'5'2'1'4'5'1'4'5'2'1'4'5'1'4'5'2'1'4'5'1'4'5'2'1'4'5'1'4'5'2'1'4'5'1'4'5'2'1'5'5'1'4'5'1'1'4'5'2'1'5'5'1'4'5'1'1'4'5'2'1'4'5'1'4'5'2'1'5'5'1'4'5'1'1'4'5'1'1'4'5'1'4'5'2'1'4'5'1'4'1'5'5'1'5'1'1'4'5'1'1'4'5'1	EST +05:00	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron	True Node
May 4 2028 +16*07+23*29*+27*46*+12*42 +10*10*10*+17*39*+01*46 -22*53*+12*38*-20*56 May 5 2028 +16*24*+23*40*+27*40*+12*39*+20*57 +10*10*10**12*+12*44*+12*39*+20*56 +10*10*25*+21*44*+10*145* -22*54*+12*40*+22*0*-22*57 May 7 2028 +16*57*+22*12*+27*24*+12*38*+60*11*+10*25*+21*44*+10*145* -22*54*+12*42*+21*0* +12*42*+21*0* May 10208 +17*29*+22*0*+27*39*+13*43*+60*12*+10*30*+21*42*+01*50*-22*56*+12*44*+12*42*-21*03* +10*145*-22*55*+12*44*-21*04* May 10208 +17*05*+21*44*+10*35*+21*44*+01*55*-12*45*+10*14*+12*45*+21*04* +10*15*-12*56*+12*44*-21*04* May 11 2028 +18*15*1+2*41*+27*22*+14*2*+10*15*+10*3*+21*44*+01*5*-12*2*55*+12*44*-21*06* +10*15*-22*56*+12*47*-21*06* May 12 2028 +18*15*1+2*43*+27*09*+15*11*+10*12*+10*3*+21*44*+01*5*-22*56*+12*47*-21*06* +10*15*-22*25*+12*47*-21*06* May 12 2028 +19*26*+22*3*+28*+16*10*+10*0*+21*44*+01*5*-22*56*+12*50*-21*10* +10*15*-22*25*+12*25*-12*10* May 12 2028 +19*26*+22*3*+25*+12*10*+10*4*+11*0*+12*44*+01*5*-22*5*+12*5*+12*0*-21*0* +10*10*+12*14*+10*5*+12*44*+10*5*-22*5*+12*5*+21*0* May 2 2028 +20*17*+22*3*+25*+25*+10*11*+10*4*+11*0*+12*44*+01*5*-22*5*+12*5*+21*0* +21*07*+21*0* May 12 2028 +20*17*+23*+25*+25*+10*11*+10*4*+11*0*+11*0*+15*+10*15*-22*5*+12*5*+21*0*5*			¥	Ŷ	്	4		ሦ	Ψ	Ψ	ę	Ω
May 6 2028 + 16 ² / ₄ 24/0 ⁴ + 23 ⁴ / ₆ + 27 ⁴ / ₅ + 12 ⁵ / ₅ + 06 ⁵ / ₁ ¹ + 10 ² / ₃ + 21 ⁴ / ₁ + 01 ⁴ / ₃ + 22 ⁵ / ₄ + 12 ⁴ / ₄ = 20 ⁵ / ₅ May 8 2028 + 17 ⁴ / ₃ + 44 ¹ / ₂ + 27 ⁴ / ₂ + 13 ² / ₈ + 06 ⁵ / ₁ ¹ + 10 ² / ₈ + 21 ⁴ / ₁ + 10 ¹ / ₈ + 22 ⁵ / ₄ + 12 ⁴ / ₄ = 2 ⁻¹⁰ / ₁ May 9 2028 + 17 ⁴ / ₅ + 44 ¹ / ₂ + 27 ³ / ₅ + 13 ⁴ / ₅ + 06 ⁵ / ₂ ¹ + 10 ² / ₃ + 21 ⁴ / ₁ + 10 ¹ / ₈ + 22 ⁵ / ₄ + 12 ⁴ / ₄ = 2 ⁻¹⁰ / ₄ May 10 2028 + 17 ⁴ / ₅ + 44 ¹ / ₅ + 27 ² / ₇ + 14 ¹ / ₂ + 06 ⁵ / ₂ ¹ + 10 ³ / ₃ + 21 ⁴ / ₄ + 01 ⁵ / ₅ - 22 ⁵ / ₅ + 12 ⁴ / ₄ - 2 ⁻¹⁰ / ₄ May 11 2028 + 18 ³ / ₅ + 24 ⁴ / ₄ + 27 ² / ₇ + 14 ¹ / ₂ + 06 ⁵ / ₂ ¹ + 10 ³ / ₃ + 21 ⁴ / ₄ + 01 ⁵ / ₅ - 22 ⁵ / ₅ + 12 ⁴ / ₄ - 2 ⁻¹⁰ / ₆ May 12 2028 + 18 ³ / ₃ + 24 ⁴ / ₄ + 27 ² / ₇ + 14 ⁴ / ₂ + 06 ⁵ / ₂ ¹ + 10 ³ / ₃ + 21 ⁴ / ₄ + 01 ⁵ / ₅ - 22 ⁵ / ₅ + 12 ⁴ / ₄ - 2 ⁻¹⁰ / ₆ May 13 2028 + 18 ³ / ₃ + 24 ⁴ / ₄ + 27 ² / ₇ + 14 ⁴ / ₅ - 06 ⁵ / ₁ + 10 ⁴ / ₃ + 21 ⁴ / ₄ + 01 ⁵ / ₅ - 22 ⁵ / ₅ + 12 ⁴ / ₄ - 2 ⁻¹⁰ / ₆ May 15 2028 + 18 ³ / ₃ + 24 ⁴ / ₄ + 27 ² / ₁ + 5 ⁵ / ₃ + 06 ¹ / ₁ + 10 ⁴ / ₄ + 2 ⁻¹⁴ / ₄ + 01 ⁵ / ₅ - 22 ⁻⁵ / ₅ + 12 ⁴ / ₄ + 2 ⁻¹⁰ / ₆ May 16 2028 + 19 ³ / ₃ + 24 ² / ₂ + 26 ³ / ₃ + 16 ⁶ / ₃ + 06 ⁵ / ₁ + 1 ¹⁰ / ₄ + 2 ¹⁴ / ₄ + 01 ¹⁵ / ₅ - 22 ⁻⁵ / ₅ + 12 ² / ₄ - 2 ⁻¹⁰⁶ May 18 2028 + 19 ³ / ₂ + 24 ^{1/2} / ₂ + 26 ^{3/4} + 16 ^{1/3} / ₁ + 06 ^{1/1} / ₁ + 10 ^{4/4} + 01 ^{4/4} / ₁ + 01 ¹⁵ / ₅ - 22 ⁻⁵ / ₁ + 12 ^{2/4} / ₂ - 2 ⁻¹⁰⁶ May 18 2028 + 19 ^{3/2} / ₂ + 24 ^{1/2} / ₂ + 26 ^{3/4} + 16 ^{1/3} / ₁ + 06 ^{1/1} / ₁ + 07 ^{4/4} / ₄ + 01 ^{15/5} - 22 ^{-5/5} / ₁ + 12 ^{2/4} / ₂ - 2 ⁻¹⁰⁶ May 18 2028 + 19 ^{3/2} / ₂ + 24 ^{3/2} / ₁ + 26 ^{4/4} + 16 ^{1/3} / ₁ + 06 ^{1/1} / ₁ + 07 ^{4/4} / ₁ + 01 ^{15/5} - 22 ^{-5/5} / ₁ + 12 ^{2/4} / ₂ - 2 ⁻¹⁰⁶ May 18 2028 + 210 ^{5/2} + 22 ^{-2/3} / ₁ + 16 ^{3/3} / ₁ + 06 ^{1/1} / ₁ + 10 ^{4/4} / ₄ + 01 ^{15/6} / ₁ - 22 ^{-5/5} / ₁ + 12 ^{2/4} / ₂ - 2 ⁻¹⁰⁶ May 20 2028 + 20 ^{1/7} / ₁ + 2 ^{3/3} / ₂ + 2 ^{1/6/3} / ₁ + 16 ^{1/3} / ₁ + 0 ^{1/5/5} / ₁ + 2 ^{1/6/3} / ₁ + 1 ^{1/1} / ₁ + 1 ^{2/5/5} / ₁ + 1 ^{2/5/5} / ₁ + 1 ^{2/2/2}			±ວ3∘ວ0'	±27°46'	±12°42'	±06°10'	±10°18'	±21°20'	±01°46'	-22°53'	±10°28'	-20°55'
May 7 2028 + 16 ⁻⁶⁷ + 24 ⁻¹⁰ + 27 ⁻⁴⁴ + 13 ⁻¹² + 20 ⁶ 11 ⁻¹ + 10 ⁻²⁵ + 21 ⁻⁴⁴ + 10 ⁻¹⁴⁸ + 22 ⁻⁵⁴ + 12 ⁻⁴⁴ + 21 ⁻⁴⁵ + 21 + 21 ⁻⁴⁶ + 21 ⁻⁵⁵ + 12 ⁻⁴⁶ + 11 ⁻⁵⁵ + 20 ⁻⁴¹ + 11 ⁻⁶⁵ + 21 ⁻⁴⁶ + 11 ⁻⁵⁵ + 22 ⁻⁵⁶ + 12 ⁻⁵⁵ + 12 ⁻¹⁶⁶ + 21 ⁻⁵⁶ + 12 ⁻⁵⁵ + 21 ⁻⁶⁶ + 11 ⁻⁵⁶ + 21 ⁻⁵⁶ + 11 ⁻⁵⁶												
$ \begin{array}{l} May 8 2028 & +16^{+}7 + 24^{+}12^{+}27^{+}22^{+}13^{+}28^{+}06^{+}11^{+}10^{+}28^{+}22^{+}21^{+}10^{+}10^{+}8^{+}22^{+}22^{+}12^{+}24^{-}21^{+}01^{+}\\ May 9 2028 & +17^{+}89^{+}24^{+}30^{+}27^{+}37^{+}81^{+}36^{+}06^{+}12^{+}10^{+}30^{+}21^{+}24^{+}0150^{+}22^{+}55^{+}12^{+}42^{+}2^{-}21^{+}01^{+}\\ May 1 2028 & +18^{+}51^{+}24^{+}12^{+}722^{+}14^{+}24^{+}06^{+}12^{+}10^{+}38^{+}21^{+}43^{+}0151^{+}-22^{+}55^{+}12^{+}47^{-}21^{+}06^{+}12^{+}10^{+}38^{+}21^{+}43^{+}0151^{+}-22^{+}55^{+}12^{+}47^{-}21^{+}06^{+}12^{+}10^{+}38^{+}21^{+}43^{+}0151^{+}-22^{+}55^{+}12^{+}47^{-}21^{+}06^{+}12^{+}10^{+}38^{+}21^{+}43^{+}0151^{+}-22^{+}55^{+}12^{+}47^{-}21^{+}06^{+}12^{+}10^{+}43^{+}21^{+}41^{+}0153^{+}-22^{+}55^{+}12^{+}48^{-}21^{+}07^{+}\\ May 1 2028 & +18^{+}38^{+}42^{+}43^{+}61^{+}15^{+}2^{+}06^{+}11^{+}10^{+}48^{+}21^{+}45^{+}0153^{+}-22^{+}55^{+}12^{+}48^{-}21^{+}07^{+}\\ May 1 52028 & +18^{+}38^{+}42^{+}38^{+}27^{+}01^{+}15^{+}39^{+}06^{+}11^{+}10^{+}48^{+}21^{+}46^{+}0153^{+}-22^{+}56^{+}12^{+}50^{-}21^{+}06^{+}\\ May 1 52028 & +19^{+}39^{+}24^{+}31^{+}26^{+}33^{+}16^{+}39^{+}06^{+}10^{+}10^{+}52^{+}24^{+}4^{+}10^{+}155^{+}-22^{+}56^{+}12^{+}52^{+}-21^{+}07^{+}\\ May 1 2028 & +19^{+}39^{+}24^{+}31^{+}26^{+}33^{+}46^{+}39^{+}06^{+}10^{+}10^{+}52^{+}24^{+}4^{+}10^{+}155^{+}-22^{+}57^{+}12^{+}52^{+}-2^{+}10^{+}\\ May 2 1028 & +20^{+}22^{+}32^{+}32^{+}48^{+}6^{+}39^{+}06^{+}10^{+}10^{+}52^{+}24^{+}4^{+}10^{+}152^{+}-22^{+}57^{+}12^{+}24^{-}21^{+}07^{+}\\ May 2 1028 & +20^{+}22^{+}42^{+}38^{+}28^{+}17^{+}49^{+}06^{+}10^{+}59^{+}22^{+}48^{+}0158^{+}-22^{+}57^{+}12^{+}24^{+}2^{+}10^{+}8^{+}24^{+}49^{+}11^{+}10^{+}59^{+}2^{+}24^{+}4^{+}10^{+}158^{+}2^{+}257^{+}12^{+}22^{+}21^{+}10^{+}\\ May 2 1028 & +20^{+}42^{+}13^{+}22^{+}42^{+}18^{+}18^{+}9^{+}06^{+}10^{+}10^{+}59^{+}21^{+}48^{+}0158^{+}-22^{+}58^{+}12^{+}129^{+}21^{+}21^{+}11^{+}49^{+}10^{+}138^{+}21^{+}59^{+}22^{+}129^{+}21^{+}11^{+}25^{+}15^{+}102^{+}20^{+}01^{+}110^{+}21^{+}110^{+}21^{+}51^{+}102^{+}20^{+}21^{+}111^{+}49^{+}1110^{+}21^{+}111^{+}111^{+}21^{+}1110^{$												
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$ \begin{array}{l} \mbox{Mg} 10 2026 + 17.45 + 24.75 + 27.32 + 14.473 + 06712 + 10.738 + 21.42 + 01.50 + -22.55 + 122.46 - 21.05 \\ \mbox{Mg} 12 2028 + 1830 + 24.41 + 27.22 + 14.428 + 06712 + 10.38 + 21.43 + 01.51 + -22.55 + 122.46 - 21.05 \\ \mbox{Mg} 13 2028 + 1830 + 24.40 + 27.75 + 14.57 + 06712 + 10.38 + 21.43 + 01.51 + -22.55 + 12.48 - 21.07 \\ \mbox{Mg} 14 2028 + 1836 + 24.40 + 27.75 + 14.57 + 06712 + 10.34 + 21.45 + 01.53 - 22.55 + 12.248 - 21.07 \\ \mbox{Mg} 15 2028 + 18750 + 24.55 + 27.09 + 15.51 + 06712 + 10.44 + 21.45 + 01.55 - 22.56 + 12.52 - 21.06 \\ \mbox{Mg} 18 2028 + 19729 + 24.22 + 28.53 + 15.59 + 06711 + 10.47 + 24.46 + 01.55 - 22.56 + 12.52 - 21.06 \\ \mbox{Mg} 18 2028 + 19729 + 24.21 + 28.64 + 15.55 + 06710 + 10.52 + 21.47 + 01.55 - 22.57 + 12.53 - 21.07 \\ \mbox{Mg} 12 2028 + 19739 + 24.13 + 28.54 + 16.69 + 06710 + 10.52 + 21.47 + 01.55 - 22.57 + 12.55 - 21.09 \\ \mbox{Mg} 2 2020 + 2.351 + 26.13 + 16.53 + 0.670 + 11.07 + 24.48 + 01.56 - 22.57 + 12.55 - 21.10 \\ \mbox{Mg} 2 2 2028 + 20.29 + 22.33 + 25.64 + 17.73 + 0.670 + 11.09 + 21.48 + 01.56 - 22.57 + 12.55 - 21.10 \\ \mbox{Mg} 2 2 2028 + 20.29 + 22.33 + 25.64 + 17.72 + 0.670 + 11.09 + 21.48 + 01.56 - 22.58 + 12.58 - 21.12 \\ \mbox{Mg} 2 2 2028 + 20.29 + 22.51 + 25.52 + 17.72 + 0.670 + 11.09 + 21.48 + 01.56 - 0.22.58 + 13.00 - 21.15 \\ \mbox{Mg} 2 2 2028 + 21.02 + 22.53 + 25.64 + 17.73 + 0.6705 + 11.108 + 21.50 + 01.159 - 22.58 + 13.00 - 21.15 \\ \mbox{Mg} 2 2 2028 + 21.12 + 21.55 + 25.02 + 11.72 + 21.56 + 0.1159 - 22.59 + 13.02 - 21.17 \\ \mbox{Mg} 2 2 2028 + 21.12 + 21.55 + 25.02 + 11.74 + 0.6705 + 11.108 + 21.50 + 01.159 - 22.58 + 13.03 - 21.17 \\ \mbox{Mg} 2 2 2028 + 21.12 + 21.54 + 21.51 + 12.00 + 11.108 + 21.55 + 0.20 + 0.22.59 + 13.03 - 21.17 \\ \mbox{Mg} 2 2 2028 + 21.21 + 21.55 + 12.51 + 12.00 + 11.11 + 21.55 + 0.20 + 0.22.59 + 13.03 - 21.17 \\ \mbox{Mg} 2 2 2 2 + 12.5 + 12.5 + 11.75 + 12.00 + 0.275 + 11.25 + 22.50 + 11.107 + 21.17 \\ \mbox{Mg} 2 2 2 2 + 12.5 + 12.5 + 11.75 + 12.5 + 12.5 + 0.20 + 11.55 + 22.5 + 0.20 + 11.11 + 21.19 \\ \mbox{Mg} 2 2 2 + 11.5 + $												
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$ \begin{array}{l} \mbox{My} 12 2028 & +18'3 (-24'41) & +27'22' +14'42' +06'12' +10'38' +21'43' +01'51' & -22'55' +12'48' -10'70' \\ \mbox{My} 14 2028 & +18'45' +24'39' +27'09' +15'11' +06'12' +10'44' +21'45' +01'53' -22'56' +12'50' -21'06' \\ \mbox{My} 16 2028 & +19'38' +24'29' +26'53' +15'29' +06'11' +10'47' +21'46' +01'54' -22'56' +12'50' -21'06' \\ \mbox{My} 16 2028 & +19'38' +24'29' +26'53' +15'9' +06'11' +10'47' +21'46' +01'54' -22'56' +12'52' -21'06' \\ \mbox{My} 16 2028 & +19'38' +24'29' +26'53' +15'9' +06'11' +10'47' +21'46' +01'54' -22'56' +12'52' -21'06' \\ \mbox{My} 18 2028 & +19'38' +24'39' +26'54' +16'69' +06'10' +10'54' +21'48' +01'55' -22'57' +12'53' -21'07' \\ \mbox{My} 18 2028 & +19'38' +24'39' +26'54' +16'19' +06'70' +10'54' +21'48' +01'55' -22'57' +12'53' -21'07' \\ \mbox{My} 21 2028 & +20'08' +23'38' +26'01' +16'36' +06'08' +10'98' +21'48' +01'57' -22'57' +12'57' -21'10' \\ \mbox{My} 22 2028 & +20'29' +23'38' +26'44' +17'49' +06'70' +11'04' +21'49' +01'57' -22'58' +12'58' -21'12' \\ \mbox{My} 22 2028 & +20'24' +23'38' +25'04' +17'24' +06'03' +11'01' +21'51' +02'00' -22'58' +13'01' -21'15' \\ \mbox{My} 22 2028 & +21'02' +22'34' +24'49' +17'49' +01'57' -22'58' +12'58' -21'12' \\ \mbox{My} 22 2028 & +21'02' +22'34' +24'39' +16'77' +21'60' +01'159' -22'58' +13'01' -21'15' \\ \mbox{My} 22 2028 & +21'02' +22'34' +24'34' +17'49' +06'03' +11'13' +21'51' +02'00' -22'59' +13'01' -21'17' \\ \mbox{My} 22 2028 & +21'02' +22'34' +24'34' +17'49' +06'03' +11'13' +21'51' +02'00' -22'59' +13'04' -21'17' \\ \mbox{My} 22 2028 & +21'32' +21'34' +24'15' +18'13' +6'03' +11'14' +21'53' +02'01' -23'00' +13'04' -21'17' \\ \mbox{My} 22 2028 & +21'34' +21'34' +18'44' +06'60' +11'13' +21'53' +02'00' -23'04' +13'04' -21'17' \\ \mbox{My} 21 2028 & +21'34' +21'34' +18'34' +06'50' +11'13' +21'54' +02'02' -23'04' +13'04' -21'17' \\ \mbox{My} 21 2028 & +21'34' +21'34' +18'44' +05'60' +11'13' +21'54' +02'02' -23'04' +13'04' -21'17' \\ \mbox{My} 21 2028 & +21'54' +20'1' +22'24' +19'64' +05'56' +11'24' +21'55' +02'0'0' -23'04' +13'06' -21'17' \\ \mbox{My} 2$												
$ \begin{array}{l} May 13 2028 & +18*30 & +24*40 & +27*15 & +14*57 & +06*12' ++10*40' +21*44' +01*52' & -22*55' +12*49' -21*07' \\ May 15 2028 & +18*59' +24*25' & +25*53' +15*39' +06*11' +10*45' +24*55' +01*53' -22*55' +12*54' -21*06' \\ May 16 2028 & +19*28' +24*25' & +26*53' +15*59' +06*11' +10*50' +21*46' +01*55' -22*55' +12*55' -21*06' \\ May 16 2028 & +19*28' +24*25' +26*43' +16*56' +06*11' +10*50' +21*46' +01*55' -22*55' +12*55' -21*06' \\ May 18 2028 & +19*28' +24*25' +26*43' +16*56' +06*11' +10*50' +21*47' +01*55' -22*57' +12*55' -21*06' \\ May 18 2028 & +19*28' +24*25' +26*13' +16*39' +06*11' +10*50' +21*48' +01*57' -22*57' +12*55' -21*06' \\ May 20 2028 & +20*29' +23*38' +26*01' +16*46' +06*08' +10*59' +21*48' +01*57' -22*57' +12*55' -21*10' \\ May 22 2028 & +20*29' +23*38' +25*01' +17*29' +06*06' +11*06' +24*8' +01*57' -22*58' +12*59' -21*12' \\ May 22 2028 & +20*29' +23*38' +25*01' +17*29' +06*06' +11*06' +24*69' +01*59' -22*58' +12*59' -21*13' \\ May 24 2028 & +20*41' +22*14' +24*14' +17*49' +06*04' +11*08' +21*50' +01*59' -22*58' +12*59' -21*16' \\ May 26 2028 & +21*28' +21*50' +417*49' +06*04' +11*10' +21*61' +02*00' -22*58' +13*00' -21*17' \\ May 26 2028 & +21*38' +22*14' +24*14' +17*49' +06*04' +11*08' +21*50' +01*59' -22*58' +13*00' -21*17' \\ May 26 2028 & +21*38' +22*15' +18*13' +06*04' +11*10' +21*51' +02*00' -22*59' +13*03' -21*17' \\ May 26 2028 & +21*38' +20*51' +18*34' +06*04' +11*10' +21*51' +02*00' -22*59' +13*03' -21*17' \\ May 26 2028 & +21*38' +20*51' +18*24' +06*04' +11*08' +21*50' +00*10' -23*00' +13*06' -21*17' \\ May 26 2028 & +21*38' +20*51' +22*24' +18*01' +06*04' +11*08' +21*50' +00*10' -23*00' +13*04' -21*17' \\ May 26 2028 & +21*38' +20*51' +18*34' +06*04' +11*08' +21*50' +02*00' -23*00' +13*04' -21*17' \\ May 20 2028 & +21*38' +20*14' +22*48' +06*04' +11*08' +21*56' +02*01' -23*00' +13*04' -21*17' \\ May 20 2028 & +21*59' +20*54' +21*24' +14*17' +21*54' +20*04' -23*00' +13*04' -21*17' \\ May 20 2028 & +21*54' +21*44' +21*54' +21*54' +21*54' +20*04' -23*00' +13*04' -21*17' \\ May 20 2028 & +21*54' +20*2$												
May 14 2028 +18*59 +24*36 +27*00 +16*12 +10*43 +21*45 +01*53 -22*56 +12*69 -21*07 May 15 2028 +19*31 +24*29 +26*53 +16*39 +06*11 +10*47 +21*64 +01*54 -22*66 +12*56 +27*51 -21*06* May 12 2028 +19*39 +24*13 +26*34 +15*52 +06*11 +10*47 +21*64 +01*54 -22*66 +12*57 +27*64 -21*06* May 12 2028 +19*52 +24*03 +26*24 +16*69 +06*10 +10*52 +21*47 +01*56 -22*57 +12*54 -21*08* May 20 2028 +20*551 +26*13 +16*33 +06*09 +10*57 +21*64 +01*56 -22*57 +12*54 -21*08* May 21 2028 +20*27 +27*351 +26*13 +16*33 +06*08 +10*59 +21*68 +01*56 -22*57 +12*56 +21*09* May 21 2028 +20*29 +22*33 +26*01 +16*64 +06*08 +110*56 +21*67 +01*56 -22*57 +12*56 +21*10* May 22 2028 +20*29 +22*33 +26*04 +17*39 +06*08 +110*59 +21*68 +01*57 -22*58 +12*59 -21*13* May 23 2028 +20*29 +22*33 +25*04 +17*39 +06*06 +11*06 +21*59 +01*58 -22*58 +12*59 -21*13* May 24 2028 +21*12*27 +1*2*51 +25*32 +17*24 +06*06 +11*10* +21*59 +01*58 -22*58 +12*59 -21*13* May 25 2028 +21*02 +22*33 +25*04 +17*39 +06*05 +11*10* +21*59 +01*59 -22*59 +13*03 -21*17* May 28 2028 +21*12* +22*14 +24*14 +17*49 +06*01 +11*11* +21*51 +02*00 -22*59 +13*03 -21*17* May 28 2028 +21*12* +21*55 +24*32 +18*01 +06*03 +11*11* +21*51 +02*00 -22*59 +13*03 -21*17* May 28 2028 +21*14* +21*14 +23*57 +18*24 +06*00 +11*11* +21*53 +02*01 -23*00 +13*06 -21*17* May 30 2028 +21*24 +21*34 +24*15 +18*13 +06*02 +11*11* +21*53 +02*01 -23*00 +13*06 -21*17* May 30 2028 +21*59 +20*32 +33*0 +18*4 +06*59 +11*19 +21*53 +02*01 -23*00 +13*06 -21*17* May 30 2028 +21*59 +12*22*19*0 +18*27 +18*29 +12*158 +02*01 -23*00 +13*06 -21*17* Jun 2028 +22*29 +19*31 +22*24 +19*9 +05*56 +11*12* +21*54 +02*01 -23*00 +13*06 -21*17* Jun 2028 +22*29 +19*31 +22*22 +19*00 +05*59 +11*19 +21*53 +02*01 -23*00 +13*06 -21*17* Jun 2028 +22*29 +19*31 +22*22 +19*00 +05*59 +11*19 +21*53 +02*01 -23*00 +13*06 -21*17* Jun 2028 +22*29 +19*31 +22*22 +19*00 +05*59 +11*19 +21*55 +02*01 -23*00 +13*06 -21*17* Jun 2028 +22*29 +18*37 +21*29 +19*0 +05*59 +11*19 +21*55 +02*01 -23*00 +13*19 -21*29* Jun 10 2028 +22*59 +18*54 +13*3 +19*0 +05*59 +11*19 +2												
$ May 16 2028 + 19^{+3} + 24^{+2} + 26^{+5}3 + 16^{+3}9 + 06^{+11} + 10^{+2}7 + 21^{+4}6 + 01^{+5}4' - 22^{+6}4 + 12^{+5}2' - 21^{+1}06' \\ May 18 2028 + 19^{+3}9 + 24^{+1}3 + 26^{+3}4 + 16^{+5}2' + 06^{+1}1 + 01^{+5}1 - 21^{+4}6 + 01^{+5}5' - 22^{+5}7 + 12^{+5}4' - 21^{+0}6' \\ May 20208 + 20^{+5}2 + 24^{+1}0 + 26^{+2}4 + 16^{+6}9 + 06^{+1}0' + 10^{+5}2' + 21^{+4}7 + 01^{+5}6' - 22^{+5}7 + 12^{+5}4' - 21^{+0}6' \\ May 21 2028 + 20^{+0}7 + 23^{+3}8' + 26^{+0}1 + 16^{+6}6 + 06^{+0}9' + 10^{+5}7 + 21^{+4}8' + 01^{+5}6' - 22^{+5}7' + 12^{+5}6' - 21^{+1}02' \\ May 21 2028 + 20^{+2}7 + 23^{+2}3 + 26^{+0}1 + 16^{+6}6' + 06^{+0}8' + 11^{+0}1 + 21^{+4}9' + 01^{+5}6' - 22^{+5}8' + 12^{+5}8' - 21^{+1}2' \\ May 22 2028 + 20^{+0}7 + 22^{+3}1 + 16^{+2}9' + 06^{+6}8' + 11^{+0}1 + 21^{+4}9' + 01^{+5}8' - 22^{+5}8' + 12^{+5}8' - 21^{+1}2' \\ May 22 2028 + 20^{+0}7 + 22^{+5}1 + 22^{+1}74' + 06^{+0}6' + 11^{+0}6' + 21^{+5}0' + 01^{+5}9' - 22^{+5}8' + 12^{+5}9' - 21^{+1}7' \\ May 22 2028 + 21^{+0}2' + 22^{+3}1 + 24^{+1}9' + 17^{+4}9' + 06^{+0}6' + 11^{+1}0' + 21^{+5}1' + 02^{+0}0' - 22^{+5}9' + 13^{+0}0' - 21^{+1}7' \\ May 22 028 + 21^{+2}1^{+2}7 + 24^{+4}9' + 17^{+4}9' + 06^{+0}0' + 11^{+1}7' + 21^{+5}0' + 01^{+5}9' - 22^{+5}8' + 13^{+0}0' - 21^{+1}7' \\ May 22 028 + 21^{+2}1^{+2}7 + 24^{+4}9' + 17^{+4}9' + 06^{+0}0' + 11^{+1}7' + 21^{+5}0' + 01^{-2}0' - 23^{+0}0' + 13^{+0}0' - 21^{+1}7' \\ May 20 208 + 21^{+1}2' + 21^{+1}4' + 23^{+5}1' + 18^{+4}0' + 02^{+1}15' + 12^{+2}0' + 01' - 23^{+0}0' + 13^{+0}0' - 21^{+1}7' \\ May 3 2028 + 21^{+5}0' + 20^{+5}2' + 13^{+4}0' + 05^{+5}8' + 11^{+1}2' + 21^{+5}6' + 02^{+0}0' - 23^{+0}0' + 13^{+0}0' - 21^{+1}7' \\ $	May 14 2028											
May 12 2028 +19'59' +24'22' +26'44' +16'52' +06'11'+10'50' +21'46' +01'55' -22'6' +12'52' -21'06' May 19 2028 +19'52' +24'03' +26'24' +16'19' +06'10' +10'54' +21'47' +01'56' -22'57' +12'54' -21'08' May 20 2028 +20'05' +23'51' +26'13' +16'33' +06'09' +10'57' +21'48' +01'56' -22'57' +12'54' -21'09' May 21 2028 +20'05' +23'51' +26'13' +16'33' +06'09' +10'57' +21'48' +01'57' -22'57' +12'55' -21'10' May 22 2028 +20'21' +23'33' +26'44' +16'59' +06'08' +10'59' +21'48' +01'57' -22'57' +12'55' -21'12' May 22 2028 +20'21' +23'36' +26'14' +16'46' +06'08' +11'01' +21'49' +01'57' -22'59' +13'05' -21'15' May 22 2028 +20'21' +22'51' +25'20' +17'34' +06'06' +11'06' +21'50' +01'59' -22'59' +13'01' -21'15' May 22 2028 +21'02' +22'31' +25'20' +17'34' +06'06' +11'10' +21'51' +02'00' -22'59' +13'01' -21'17' May 22 2028 +21'02' +22'31' +24'14' +17'41' +06'02' +11'15' +21'52' +02'01' -23'00' +13'03' -21'17' May 22 2028 +21'02' +22'31' +24'15' +18'31' +06'02' +11'15' +21'53' +02'01' -23'00' +13'03' -21'17' May 20 2028 +21'59' +20'32' +18'30' +06'02' +11'15' +21'53' +02'01' -23'00' +13'06' -21'17' May 30 2028 +21'59' +20'32' +23'20' +18'34' +06'02' +11'15' +21'53' +02'01' -23'00' +13'06' -21'17' May 31 2028 +21'59' +20'32' +23'20' +18'34' +06'02' +11'15' +21'53' +02'01' -23'00' +13'06' -21'17' Jun 2028 +22'07' +07'11' +23'01' +18'58' +05'58' +11'19' +21'53' +02'02' -23'01' +13'06' -21'17' Jun 2028 +22'07' +19'51' +22'42' +19'09' +05'58' +11'12' +21'58' +02'02' -23'01' +13'06' -21'17' Jun 2028 +22'25' +19'51' +22'42' +19'09' +05'55' +11'25' +21'55' +10'20' -23'02' +13'11' -21'17' Jun 2028 +22'25' +19'51' +22'42' +19'01' +05'58' +11'28' +21'58' +02'02' -23'02' +13'11' -21'17' Jun 2028 +22'53' +18'54' +21'43' +19'41' +05'58' +11'28' +21'58' +02'02' -23'02' +13'11' -21'17' Jun 2028 +22'54' +17'54' +22'42' +19'54' +05'54' +11'28' +21'55' +02'03' -23'02' +13'12' -21'22' Jun 8'208' +22'54' +17'54' +22'42' +19'54' +05'54' +11'28' +21'55' +02'04' -23'02' +13'12' -21'22' Jun 12'028 +22'54' +17'54' +22'42' +19'54' +22'54' +22'56' +02'04' -23'02'												
$ \begin{array}{l} \mbox{Mg} 18 2028 & +19^{-39} + 24^{-31} & +26^{-34} + 16^{-69} & +06^{-1}(0^{-1}+0^{-52} + 21^{-47} + 10^{+56} & -22^{+57} + 12^{+53} + 21^{+07} \\ \mbox{Mg} 20 2028 & +20^{-05} + 23^{+51} & +26^{-13} + 16^{+33} & +06^{-00} + 10^{+57} + 21^{+48} + 01^{+56} & -22^{+57} + 12^{+57} + 21^{+16} \\ \mbox{Mg} 21 2028 & +20^{-07} + 23^{+32} & +26^{+01} + 16^{+46} + 06^{+08} + 10^{+59} + 21^{+48} + 01^{+57} & -22^{+57} + 12^{+57} + 21^{+16} \\ \mbox{Mg} 22 2028 & +20^{-07} + 23^{-32} & +25^{+48} + 16^{+59} + 06^{+06} + 11^{+104} + 21^{+49} + 01^{+57} & -22^{+58} + 12^{+59} - 21^{+12} \\ \mbox{Mg} 22 2028 & +20^{-07} + 22^{+33} & +25^{-04} + 17^{+26} + 06^{-06} + 11^{+106} + 21^{+50} + 01^{+59} & -22^{+58} + 13^{+00} - 21^{+15} \\ \mbox{Mg} 22 2028 & +21^{+02} + 22^{+13} & +26^{+04} + 17^{+29} + 06^{-07} + 11^{+104} + 21^{+49} + 01^{+59} & -22^{+58} + 13^{+00} - 21^{+17} \\ \mbox{Mg} 22 2028 & +21^{+02} + 22^{+13} & +26^{+04} + 17^{+29} + 06^{-04} + 11^{+11} + 12^{+150} + 10^{+20} & -22^{+59} + 13^{+00} - 21^{+17} \\ \mbox{Mg} 22 2028 & +21^{+02} + 22^{+13} & +24^{+15} + 81^{+3} + 06^{+00} + 11^{+11} + 12^{+151} + 02^{-00} & -22^{+59} + 13^{+30} - 21^{+17} \\ \mbox{Mg} 22 2028 & +21^{+02} + 22^{+13} & +24^{+15} + 81^{+3} + 06^{+00} + 11^{+11} + 12^{+151} + 02^{-00} & -22^{+50} + 13^{+13} + 22^{+17} \\ \mbox{Mg} 3 2028 & +21^{+91} + 22^{+03} & +20^{+32} + 18^{+36} + 05^{+56} + 11^{+12} + 21^{+54} + 02^{-01} & -23^{+00} + 13^{+06} - 21^{+17} \\ \mbox{Mg} 3 2028 & +22^{+19} + 19^{-17} + 22^{+19} + 16^{+56} + 11^{+23} + 21^{+56} + 02^{-02} & -23^{+01} + 13^{+0} - 21^{+17} \\ \mbox{Mg} 3 2028 & +22^{+19} + 19^{+1} + 22^{+19} + 19^{+56} + 15^{+11} + 21^{+56} + 02^{-02} & -23^{+01} + 13^{+0} - 21^{+17} \\ \mbox{Mg} 3 2028 & +22^{+29} + 19^{+19} + 22^{+19} + 16^{+56} + 11^{+23} + 21^{+56} + 02^{-03} & -23^{+01} + 13^{+0} - 21^{+17} \\ \mbox{Mg} 3 2028 & +22^{+19} + 19^{+1} + 22^{+19} + 19^{+56} + 11^{+21} + 21^{+56} + 02^{-03} & -23^{+01} + 13^{+0} - 21^{+17} \\ \mbox{Mg} 3 2028 & +22^{+29} + 19^{+19} + 19^{+19} + 19^{+19} + 19^{+19}$												
$ \begin{split} & \text{May} (19\ 2028\ +20^{\circ}) + 22^{\circ} +24^{\circ}) + 22^{\circ} +1^{\circ} +1^{$												
$ \begin{split} & \text{May} (2) 2028 + 20^{\circ}05 + 23^{\circ}01^{\circ} + 26^{\circ}03^{\circ} + 16^{\circ}03^{\circ} + 10^{\circ}57^{\circ} + 21^{\circ}48^{\circ} + 01^{\circ}57^{\circ} - 22^{\circ}57^{\circ} + 12^{\circ}57^{\circ} - 22^{\circ}57^{\circ} + 12^{\circ}58^{\circ} - 21^{\circ}10^{\circ} \\ & \text{May} (22 028 + 20^{\circ}01^{\circ} + 22^{\circ}03^{\circ} + 22^{\circ}54^{\circ} + 17^{\circ}24^{\circ} + 06^{\circ}06^{\circ} + 11^{\circ}06^{\circ} + 12^{\circ}50^{\circ} + 10^{\circ}59^{\circ} - 22^{\circ}58^{\circ} + 13^{\circ}00^{\circ} - 21^{\circ}15^{\circ} \\ & \text{May} (22 028 + 22^{\circ}12^{\circ} + 22^{\circ}13^{\circ} + 22^{\circ}04^{\circ} + 17^{\circ}24^{\circ} + 06^{\circ}06^{\circ} + 11^{\circ}06^{\circ} + 12^{\circ}50^{\circ} + 01^{\circ}59^{\circ} - 22^{\circ}58^{\circ} + 13^{\circ}00^{\circ} - 21^{\circ}15^{\circ} \\ & \text{May} (22 028 + 22^{\circ}12^{\circ} + 22^{\circ}13^{\circ} + 22^{\circ}17^{\circ}24^{\circ} + 06^{\circ}06^{\circ} + 11^{\circ}16^{\circ} + 21^{\circ}50^{\circ} + 01^{\circ}59^{\circ} - 22^{\circ}59^{\circ} + 13^{\circ}00^{\circ} - 21^{\circ}17^{\circ} \\ & \text{May} (22 028 + 21^{\circ}21^{\circ} + 22^{\circ}13^{\circ} + 24^{\circ}32^{\circ} + 18^{\circ}31^{\circ} + 06^{\circ}04^{\circ} + 11^{\circ}15^{\circ} + 12^{\circ}25^{\circ} + 10^{\circ}20^{\circ} - 22^{\circ}59^{\circ} + 13^{\circ}00^{\circ} - 21^{\circ}17^{\circ} \\ & \text{May} (22 028 + 21^{\circ}21^{\circ} + 21^{\circ}14^{\circ} + 22^{\circ}37^{\circ} + 18^{\circ}34^{\circ} + 06^{\circ}06^{\circ} + 11^{\circ}11^{\circ} + 12^{\circ}15^{\circ} + 10^{\circ}20^{\circ} - 23^{\circ}0^{\circ} + 13^{\circ}06^{\circ} - 21^{\circ}17^{\circ} \\ & \text{May} (3 0208 + 21^{\circ}59^{\circ} + 20^{\circ}33^{\circ} + 23^{\circ}39^{\circ} + 18^{\circ}36^{\circ} + 05^{\circ}59^{\circ} + 11^{\circ}29^{\circ} + 12^{\circ}23^{\circ} + 12^{\circ}30^{\circ} + 13^{\circ}06^{\circ} - 21^{\circ}17^{\circ} \\ & \text{May} (3 1028 + 22^{\circ}159^{\circ} + 20^{\circ}32^{\circ} + 23^{\circ}0^{\circ} + 18^{\circ}36^{\circ} + 11^{\circ}29^{\circ} + 12^{\circ}25^{\circ} + 12^{\circ}01^{\circ} + 13^{\circ}0^{\circ} - 21^{\circ}17^{\circ} \\ & \text{May} (3 1028 + 22^{\circ}19^{\circ} + 19^{\circ}19^{\circ} + 22^{\circ}19^{\circ} + 10^{\circ}55^{\circ} + 11^{\circ}29^{\circ} + 12^{\circ}55^{\circ} + 11^{\circ}29^{\circ} + 20^{\circ}03^{\circ} - 23^{\circ}0^{\circ} + 13^{\circ}10^{\circ} - 21^{\circ}17^{\circ} \\ & \text{Jun} (3 10^{\circ} - 21^{\circ}17^{\circ} + 20^{\circ}1^{\circ} + 11^{\circ}18^{\circ} + 11^{\circ}18^{\circ} + 11^{\circ}18^{\circ} + 11^{\circ}18^{\circ} $												
$ \begin{array}{l} May (22 2028 + 20^{+}23^{+}23^{+}+25^{+}34^{+}+16^{+}59^{+}+06^{+}06^{+}71^{+}11^{+}04^{+}+11^{+}21^{+}49^{+}+01^{+}58^{-}-22^{+}58^{+}+12^{+}59^{-}-21^{+}13^{+}84^{+}20^{+}34^{+}+25^{+}34^{+}+17^{+}12^{+}60^{+}01^{+}58^{-}-22^{+}58^{+}+12^{+}59^{-}-21^{+}13^{+}58^{+}42^{+}24^{+}22^{+}14^{+}44^{+}17^{+}11^{+}06^{+}11^{+}06^{+}+11^{+}50^{+}+01^{+}58^{-}-22^{+}58^{+}+13^{+}00^{-}-21^{+}15^{+}84^{+}25^{+}24^{+}44^{+}9^{+}17^{+}44^{+}9^{+}61^{+}60^{+}11^{+}10^{+}+11^{+}10^{+}21^{+}51^{+}102^{+}00^{-}-22^{+}59^{+}+13^{+}00^{-}-21^{+}15^{+}84^{+}24^{+}9^{+}17^{+}49^{+}9^{+}61^{+}06^{+}11^{+}11^{+}11^{+}11^{+}11^{+}12^{+}51^{+}102^{+}00^{-}-22^{+}59^{+}+13^{+}03^{-}-21^{+}17^{+}84^{+}24^{+}9^{+}17^{+}49^{+}17^{+}100^{+}21^{+}51^{+}102^{+}00^{-}-22^{+}59^{+}+13^{+}03^{-}-21^{+}17^{+}84^{+}24^{+}15^{+}+18^{+}19^{+}60^{+}00^{+}+11^{+}11^{+}12^{+}151^{+}102^{+}00^{-}-22^{+}59^{+}+13^{+}05^{-}-21^{+}17^{+}84^{+}24^{+}15^{+}+18^{+}36^{+}65^{+}9^{+}+11^{+}11^{+}12^{+}51^{+}14^{+}02^{+}02^{-}-23^{+}00^{+}+13^{+}06^{-}-21^{+}17^{+}18^{+}39^{+}19^{+}00^{+}10^{+}55^{+}+11^{+}21^{+}21^{+}54^{+}+02^{+}02^{-}-23^{+}00^{+}+13^{+}06^{-}-21^{+}17^{+}18^{+}39^{+}11^{+}22^{+}21^{+}54^{+}102^{+}02^{-}-23^{+}00^{+}+13^{+}06^{-}-21^{+}17^{+}11^{+}12^{+}22^{+}21^{+}17^{+}11^{+}12^{+}12^{+}54^{+}102^{+}02^{-}-23^{+}00^{+}+13^{+}06^{-}-21^{+}17^{+}11^{+}12^{+}22^{+}19^{+}11^{+}05^{+}55^{+}+11^{+}25^{+}12^{+}55^{+}+02^{-}04^{-}-23^{+}01^{+}+13^{+}06^{-}-21^{+}17^{+}11^{+}11^{+}21^{+}21^{+}55^{+}+02^{-}04^{-}-23^{+}01^{+}+13^{+}0^{-}-21^{+}17^{+}11^{+}11^{+}12^{+}25^{+}11^{+}02^{+}02^{-}-23^{+}02^{+}+13^{+}10^{-}-21^{+}18^{+}11^{+}11^{+}12^{+}15^{+}11^{+}12^{+}11^{+}12^{+}15^{+}12^{+}12^{+}11^{+}12^{+}15^{+}11^{+}12^{+}13^{+}11^{+}2^{+}13^{+}11^{+}2^{+}13^{+}11^{+}2^{+}13^{+}11^{+}2^{+}13^{+}11^{+}2^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}15^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}11^{+}11^{$												
$ \begin{array}{l} May (23 \ 2028 \ + \ 20^{+}01^{+}23 \ + \ 22^{+}53^{+} + \ 17^{+}12^{+} \ + \ 06^{+}00^{+} + \ 11^{+}04^{+} + \ 21^{+}49^{+} \ + \ 01^{+}58^{+} \ - \ 22^{+}58^{+} + \ 13^{+}00^{-} - \ 22^{+}13^{+} \ 13^{+}00^{-} - \ 22^{+}13^{+} \ 13^{+}00^{-} - \ 22^{+}13^{+} \ 13^{+}00^{-} - \ 22^{+}13^{+} \ 13^{+}00^{-} - \ 22^{+}13^{+} \ 13^{+}00^{-} - \ 22^{+}13^{+} \ 13^{+}00^{-} - \ 22^{+}13^{+} \ 13^{+}00^{-} - \ 22^{+}13^{+} \ 13^{+}00^{-} - \ 22^{+}13^{+} \ 13^{+}00^{-} \ 22^{+}13^{+} \ 13^{+}0^{-} \ 22^{+}13^{+} \ 13^{+}0^{-} \ 22^{+}13^{+} \ 13^{+}0^{-} \ 22^{+}13^{+} \ 13^{+}0^{-} \ 22^{+}13^{+} \ 13^{+}0^{-} \ 22^{+}13^{+}13^{+}0^{-} \ 22^{+}13^{+}13^{+}0^{-} \ 22^{+}13^{+}13^{+}0^{-} \ 22^{+}13^{+}13^{+}0^{-} \ 22^{+}13^{+}13^{+}0^{-} \ 22^{+}13^{+}11^{+}13^{+}13^{+}13^{+}11^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}11^{+}12^{+}13^{+}12^{+}13^{+}12^{+}12^{+}13^{+}12^{+}12^{+}13^{+}12^{+}12^{+}13^{+}13^{+}12^{+}13^{+}13^{+}12^{+}13^{+}13^{+}12^{+}13^{+}13^{+}12^{+}13^{+}13^{+}12^{+}13^{+}13^{+}13^{+}13^{+}13^{+}13^{+}13^{+}11^{+}13^{+}12^{+}13^{+}13^{+}12^{+}13^$	May 21 2028	+20°17'	+23°38'	+26°01'	+16°46'	+06°08'	+10°59'	+21°48'	+01°57'	-22°57'	+12°57'	−21°10'
$ \begin{array}{l} May (24 2028 + 20^{\circ}511 + 22^{\circ}511 + 22^{\circ}201 + 17^{\circ}241 + 66^{\circ}60^{\circ} + 11^{\circ}061 + 21^{\circ}501 + 01^{\circ}591 - 22^{\circ}581 + 13^{\circ}001 - 21^{\circ}151 \\ May (25 2028 + 21^{\circ}121 + 22^{\circ}141 + 24^{\circ}491 + 17^{\circ}491 + 66^{\circ}051 + 11^{\circ}081 + 21^{\circ}501 + 01^{\circ}591 - 22^{\circ}591 + 13^{\circ}021 - 21^{\circ}171 \\ May (25 2028 + 21^{\circ}1221 + 21^{\circ}551 + 24^{\circ}321 + 18^{\circ}011 + 06^{\circ}031 + 11^{\circ}131 + 21^{\circ}511 + 02^{\circ}001 - 22^{\circ}591 + 13^{\circ}021 - 21^{\circ}171 \\ May (25 2028 + 21^{\circ}321 + 21^{\circ}341 + 24^{\circ}491 + 17^{\circ}491 + 66^{\circ}031 + 11^{\circ}131 + 21^{\circ}511 + 02^{\circ}001 - 22^{\circ}591 + 13^{\circ}03 - 21^{\circ}177 \\ May (25 2028 + 21^{\circ}321 + 21^{\circ}341 + 23^{\circ}571 + 18^{\circ}241 + 06^{\circ}001 + 11^{\circ}151 + 21^{\circ}551 + 102^{\circ}001 - 23^{\circ}001 + 13^{\circ}061 - 21^{\circ}177 \\ May 30 2028 + 22^{\circ}501 + 20^{\circ}321 + 23^{\circ}201 + 18^{\circ}361 + 05^{\circ}591 + 11^{\circ}21 + 21^{\circ}531 + 02^{\circ}002 - 23^{\circ}001 + 13^{\circ}061 - 21^{\circ}177 \\ Jun 2028 + 22^{\circ}071 + 20^{\circ}111 + 23^{\circ}011 + 18^{\circ}581 + 10^{\circ}5561 + 11^{\circ}231 + 21^{\circ}541 + 02^{\circ}002 - 23^{\circ}001 + 13^{\circ}061 - 21^{\circ}177 \\ Jun 2028 + 22^{\circ}271 + 19^{\circ}511 + 22^{\circ}221 + 18^{\circ}556 + 11^{\circ}221 + 21^{\circ}551 + 02^{\circ}003 - 23^{\circ}01 + 13^{\circ}061 - 21^{\circ}177 \\ Jun 2028 + 22^{\circ}221 + 19^{\circ}311 + 22^{\circ}221 + 19^{\circ}301 + 05^{\circ}553 + 11^{\circ}291 + 15^{\circ}516 + 02^{\circ}041 - 23^{\circ}02 + 13^{\circ}10 - 21^{\circ}187 \\ Jun 5 2028 + 22^{\circ}221 + 19^{\circ}311 + 22^{\circ}221 + 19^{\circ}201 + 05^{\circ}553 + 11^{\circ}231 + 21^{\circ}561 + 02^{\circ}041 - 23^{\circ}02 + 13^{\circ}11 - 21^{\circ}180 \\ Jun 6 2028 + 22^{\circ}221 + 18^{\circ}371 + 21^{\circ}241 + 19^{\circ}511 + 105^{\circ}441 + 11^{\circ}361 + 21^{\circ}71 + 02^{\circ}051 - 23^{\circ}04 + 13^{\circ}11 - 21^{\circ}187 \\ Jun 6 2028 + 22^{\circ}231 + 18^{\circ}081 + 20^{\circ}461 + 20^{\circ}11 + 05^{\circ}441 + 11^{\circ}361 + 21^{\circ}571 + 02^{\circ}051 - 23^{\circ}04 + 13^{\circ}14 - 21^{\circ}22 \\ Jun 16 2028 + 22^{\circ}51 + 18^{\circ}64 + 20^{\circ}11 + 105^{\circ}441 + 11^{\circ}361 + 21^{\circ}571 + 02^{\circ}051 - 23^{\circ}04 + 13^{\circ}14 - 21^{\circ}22 \\ Jun 12 2028 + 23^{\circ}071 + 17^{\circ}37 + 19^{\circ}532 + 11^{\circ}634 + 11^{\circ}361 + 21^{\circ}571 + 12^{\circ}6200 + 23^{\circ}06 + 13^{\circ}319 - 21^{\circ}22 \\ Jun 12 2028 + 23^{\circ}371 + 17^{\circ}35 + 20^{\circ}391 + 05$												
$ \begin{split} & \text{May} (25 2028 + 21^{\circ}02' + 22^{\circ}33' + 25^{\circ}04' + 17^{\circ}36' + 06^{\circ}05' + 11^{\circ}08' + 21^{\circ}50' + 02^{\circ}00' - 22^{\circ}59' + 13^{\circ}01' - 21^{\circ}17' \\ & \text{May} (27 2028 + 21^{\circ}12' + 22^{\circ}14' + 24^{\circ}49' + 17^{\circ}49' + 06^{\circ}04' + 11^{\circ}10' + 21^{\circ}51' + 02^{\circ}00' - 22^{\circ}59' + 13^{\circ}02' - 21^{\circ}17' \\ & \text{May} (27 2028 + 21^{\circ}24' + 21^{\circ}55' + 24^{\prime}32' + 18^{\circ}01' + 06^{\circ}02' + 11^{\circ}15' + 21^{\circ}52' + 02^{\circ}01' - 23^{\circ}00' + 13^{\circ}04' - 21^{\circ}17' \\ & \text{May} (28 2028 + 21^{\circ}44' + 21^{\circ}14' + 23^{\circ}57' + 18^{\circ}24' + 06^{\circ}00' + 111^{\circ}15' + 21^{\circ}52' + 02^{\circ}01' - 23^{\circ}00' + 13^{\circ}05' - 21^{\circ}17' \\ & \text{May} (30 2028 + 21^{\circ}50' + 20^{\circ}53' + 23^{\circ}39' + 18^{\circ}36' + 05^{\circ}59' + 111^{\circ}19' + 21^{\circ}53' + 02^{\circ}02' - 23^{\circ}01' + 13^{\circ}06' - 21^{\circ}17' \\ & \text{May} (31 2028 + 22^{\circ}17' + 20^{\circ}11' + 23^{\circ}01' + 18^{\circ}58' + 111^{\circ}23' + 21^{\circ}65' + 02^{\circ}03' - 23^{\circ}01' + 13^{\circ}06' - 21^{\circ}17' \\ & \text{Jun} (3 2028 + 22^{\circ}27' + 19^{\circ}51' + 22^{\circ}21' + 19^{\circ}09' + 05^{\circ}55' + 111^{\circ}25' + 21^{\circ}65' + 02^{\circ}04' - 23^{\circ}02' + 13^{\circ}10' - 21^{\circ}18' \\ & \text{Jun} (3 2028 + 22^{\circ}27' + 19^{\circ}11' + 22^{\circ}21' + 19^{\circ}30' + 05^{\circ}50' + 111^{\circ}32' + 21^{\circ}66' + 02^{\circ}04' - 23^{\circ}02' + 13^{\circ}10' - 21^{\circ}18' \\ & \text{Jun} (3 2028 + 22^{\circ}27' + 18^{\circ}37' + 19^{\circ}30' + 05^{\circ}50' + 111^{\circ}32' + 21^{\circ}66' + 02^{\circ}04' - 23^{\circ}02' + 13^{\circ}11' - 21^{\circ}19' \\ & \text{Jun} (5 2028 + 22^{\circ}24' + 18^{\circ}37' + 19^{\circ}30' + 05^{\circ}50' + 111^{\circ}32' + 21^{\circ}56' + 02^{\circ}04' - 23^{\circ}02' + 13^{\circ}13' - 21^{\circ}22' \\ & \text{Jun} (5 2028 + 22^{\circ}24' + 18^{\circ}37' + 19^{\circ}30' + 05^{\circ}50' + 111^{\circ}36' + 21^{\circ}57' + 02^{\circ}05' - 23^{\circ}03' + 13^{\circ}13' - 21^{\circ}22' \\ & \text{Jun} (2 208 + 22^{\circ}24' + 18^{\circ}37' + 19^{\circ}20' + 10^{\circ}50' + 11^{\circ}36' + 21^{\circ}57' + 02^{\circ}05' - 23^{\circ}04' + 13^{\circ}13' - 21^{\circ}22' \\ & \text{Jun} (2 208 + 22^{\circ}54' + 17^{\circ}64' + 20^{\circ}10' + 105^{\circ}46' + 11^{\circ}36' + 21^{\circ}57' + 02^{\circ}05' - 23^{\circ}04' + 13^{\circ}13' - 21^{\circ}22' \\ & \text{Jun} (2 208 + 22^{\circ}64' + 17^{\circ}64' + 19^{\circ}20' + 10^{\circ}66' + 11^{\circ}36' + 11^{\circ}45' + 12^{\circ}64' + 02^{\circ}06' - 23^{\circ}04' + 13^{\circ}16' -$												
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$ \begin{array}{l} May\ 28\ 2028 & +21^{*32}' +21^{*34}' +24^{*15}' +18^{*13}' +06^{*02}' +11^{*15}' +21^{*52}' +20^{*01}' & -23^{*00}' +13^{*04}' -21^{*17}' \\ May\ 30\ 2028 & +21^{*50}' +20^{*32}' +23^{*20}' +18^{*24}' +06^{*00}' +11^{*11}' +21^{*53}' +02^{*01}' & -23^{*00}' +13^{*05}' -21^{*17}' \\ May\ 30\ 2028 & +21^{*50}' +20^{*32}' +23^{*20}' +18^{*47}' +05^{*56}' +11^{*21}' +21^{*54}' +02^{*02}' & -23^{*01}' +13^{*05}' -21^{*17}' \\ Jun\ 2028 & +22^{*07}' +20^{*11}' +23^{*01}' +18^{*58}' +05^{*56}' +11^{*21}' +21^{*54}' +02^{*03}' & -23^{*01}' +13^{*07}' -21^{*17}' \\ Jun\ 2028 & +22^{*15}' +19^{*51}' +22^{*22}' +19^{*09}' +05^{*55}' +11^{*25}' +21^{*55}' +02^{*03}' & -23^{*02}' +13^{*10}' -21^{*17}' \\ Jun\ 2028 & +22^{*22}' +19^{*31}' +22^{*22}' +19^{*09}' +05^{*55}' +11^{*28}' +21^{*56}' +02^{*04}' & -23^{*02}' +13^{*10}' -21^{*17}' \\ Jun\ 2028 & +22^{*23}' +18^{*31}' +22^{*22}' +19^{*09}' +05^{*53}' +11^{*28}' +21^{*56}' +02^{*04}' & -23^{*02}' +13^{*11}' -21^{*19}' \\ Jun\ 2028 & +22^{*22}' +18^{*37}' +21^{*24}' +19^{*51}' +05^{*48}' +11^{*34}' +21^{*57}' +02^{*05}' & -23^{*02}' +13^{*11}' -21^{*21}' \\ Jun\ 2028 & +22^{*53}' +18^{*68}' +20^{*26}' +20^{*01}' +05^{*48}' +11^{*34}' +21^{*57}' +02^{*05}' & -23^{*04}' +13^{*13}' -21^{*22}' \\ Jun\ 2028 & +22^{*58}' +17^{*56}' +20^{*08}' +20^{*01}' +105^{*48}' +11^{*38}' +21^{*58}' +02^{*06}' & -23^{*04}' +13^{*14}' -21^{*23}' \\ Jun\ 2028 & +22^{*58}' +17^{*56}' +20^{*08}' +20^{*08}' +11^{*45}' +21^{*05}' +02^{*06}' & -23^{*04}' +13^{*16}' -21^{*23}' \\ Jun\ 12\ 2028 & +23^{*01}' +17^{*75}' +20^{*01}' +05^{*38}' +11^{*43}' +21^{*58}' +02^{*06}' & -23^{*04}' +13^{*16}' -21^{*23}' \\ Jun\ 12\ 2028 & +23^{*01}' +17^{*75}' +19^{*53}' +20^{*08}' +11^{*45}' +22^{*00}' +02^{*06}' & -23^{*06}' +13^{*16}' -21^{*23}' \\ Jun\ 12\ 2028 & +23^{*17}' +17^{*22}' +19^{*55}' +20^{*56}' +53^{*4}' +11^{*39}' +22^{*58}' +02^{*06}' & -23^{*06}' +13^{*16}' -21^{*23}' \\ Jun\ 12\ 2028 & +23^{*17}' +17^{*22}' +18^{*51}' +21^{*1}' +53^{*1}' +22^{*01}' +02^$												
$ \begin{array}{l} \mbox{May} 29\ 2028 & +21^{*41} + 21^{*41} + 23^{*}57 + 16^{*}24^{*} + 06^{*}00^{*} + 11^{*}19^{*} + 21^{*}53^{*} + 02^{*}02^{*} & -23^{*}00^{*} + 13^{*}05^{*} - 21^{*}17^{*} \\ \mbox{May} 30\ 2028 & +21^{*}59^{*} + 20^{*}53^{*} + 23^{*}39^{*} + 18^{*}36^{*} + 05^{*}59^{*} + 11^{*}21^{*}53^{*} + 02^{*}02^{*} & -23^{*}01^{*} + 13^{*}06^{*} - 21^{*}17^{*} \\ \mbox{May} 1\ 2028 & +22^{*}07^{*} + 20^{*}11^{*} + 23^{*}01^{*} + 18^{*}58^{*} + 05^{*}56^{*} + 11^{*}23^{*} + 21^{*}54^{*} + 02^{*}02^{*} & -23^{*}01^{*} + 13^{*}08^{*} - 21^{*}17^{*} \\ \mbox{Jun} 2\ 2028 & +22^{*}22^{*} + 19^{*}31^{*} + 22^{*}22^{*} + 19^{*}20^{*} + 55^{*} + 11^{*}25^{*} + 10^{*}20^{*} & -23^{*}02^{*} + 13^{*}01^{*} - 21^{*}17^{*} \\ \mbox{Jun} 2\ 2028 & +22^{*}22^{*} + 19^{*}12^{*} + 22^{*}23^{*} + 19^{*}30^{*} + 05^{*}55^{*} + 11^{*}25^{*} + 10^{*}20^{*} & -23^{*}02^{*} + 13^{*}11^{*} - 21^{*}19^{*} \\ \mbox{Jun} 2\ 2028 & +22^{*}24^{*} + 18^{*}37^{*} + 19^{*}41^{*} + 105^{*}50^{*} + 11^{*}30^{*} + 21^{*}56^{*} + 02^{*}04^{*} & -23^{*}02^{*} + 13^{*}11^{*} - 21^{*}20^{*} \\ \mbox{Jun} 2\ 2028 & +22^{*}42^{*} + 18^{*}37^{*} + 12^{*}24^{*} + 19^{*}51^{*} + 105^{*}44^{*} + 11^{*}36^{*} + 21^{*}57^{*} + 102^{*}05^{*} & -23^{*}03^{*} + 13^{*}13^{*} - 21^{*}22^{*} \\ \mbox{Jun} 2\ 2028 & +22^{*}58^{*} + 17^{*}56^{*} + 20^{*}01^{*} + 105^{*}44^{*} + 11^{*}36^{*} + 21^{*}58^{*} + 02^{*}05^{*} & -23^{*}04^{*} + 13^{*}13^{*} - 21^{*}23^{*} \\ \mbox{Jun} 12\ 2028 & +23^{*}10^{*} + 17^{*}57^{*} + 20^{*}20^{*} + 20^{*}29^{*} + 05^{*}34^{*} + 11^{*}38^{*} + 21^{*}58^{*} + 02^{*}06^{*} & -23^{*}04^{*} + 13^{*}16^{*} - 21^{*}23^{*} \\ \mbox{Jun} 12\ 2028 & +23^{*}10^{*} + 17^{*}53^{*} + 20^{*}20^{*} + 10^{*}53^{*} + 11^{*}43^{*} + 21^{*}59^{*} + 02^{*}06^{*} & -23^{*}04^{*} + 13^{*}16^{*} - 21^{*}23^{*} \\ \mbox{Jun} 12\ 2028 & +23^{*}10^{*} + 17^{*}57^{*} + 19^{*}53^{*} + 20^{*}20^{*} + 10^{*}53^{*} + 11^{*}41^{*} + 21^{*}59^{*} + 02^{*}06^{*} & -23^{*}06^{*} + 13^{*}18^{*} - 21^{*}23^{*} \\ \mbox{Jun} 12\ 2028 & +23^{*}10^{*} + 17^{*}57^{*} + 19^{*}55^{$												
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$ \begin{array}{c} Jun 1 2028 & +22^\circ 07' +20^\circ 11' +23^\circ 01' +18^\circ 58' +05^\circ 56' +11^\circ 23' +21^\circ 54' +02^\circ 03' -23^\circ 01' +13^\circ 08' -21^\circ 17' \\ Jun 2 2028 & +22^\circ 19' +19^\circ 51' +22^\circ 24' +19^\circ 90' +05^\circ 53' +11^\circ 28' +21^\circ 55' +02^\circ 03' -23^\circ 02' +13^\circ 11' -21^\circ 19' \\ Jun 4 2028 & +22^\circ 29' +19^\circ 12' +22^\circ 03' +19^\circ 03' +05^\circ 52' +11^\circ 30' +21^\circ 56' +02^\circ 04' -23^\circ 02' +13^\circ 11' -21^\circ 19' \\ Jun 5 2028 & +22^\circ 35' +18^\circ 54' +21^\circ 43' +19^\circ 41' +05^\circ 50' +11^\circ 32' +21^\circ 56' +02^\circ 04' -23^\circ 02' +13^\circ 11' -21^\circ 21' \\ Jun 6 2028 & +22^\circ 47' +18^\circ 22' +21^\circ 05' +20^\circ 01' +05^\circ 46' +11^\circ 34' +21^\circ 57' +02^\circ 05' -23^\circ 03' +13^\circ 13' -21^\circ 22' \\ Jun 8 2028 & +22^\circ 53' +18^\circ 8' +20^\circ 46' +20^\circ 11' +05^\circ 46' +11^\circ 34' +21^\circ 57' +02^\circ 05' -23^\circ 03' +13^\circ 13' -21^\circ 22' \\ Jun 9 2028 & +22^\circ 53' +18^\circ 8' +20^\circ 46' +20^\circ 14' +05^\circ 46' +11^\circ 34' +21^\circ 59' +02^\circ 06' -23^\circ 04' +13^\circ 14' -21^\circ 23' \\ Jun 10 2028 & +23^\circ 02' +17^\circ 45' +20^\circ 01' +05^\circ 44' +11^\circ 34' +21^\circ 59' +02^\circ 06' -23^\circ 04' +13^\circ 16' -21^\circ 23' \\ Jun 10 2028 & +23^\circ 02' +17^\circ 45' +20^\circ 01' +05^\circ 34' +11^\circ 34' +21^\circ 59' +02^\circ 06' -23^\circ 05' +13^\circ 17' -21^\circ 23' \\ Jun 12 2028 & +23^\circ 14' +17^\circ 37' +19^\circ 53' +20^\circ 56' +05^\circ 34' +11^\circ 43' +21^\circ 59' +02^\circ 06' -23^\circ 05' +13^\circ 17' -21^\circ 23' \\ Jun 12 2028 & +23^\circ 14' +17^\circ 37' +19^\circ 53' +21^\circ 55' +05^\circ 32' +11^\circ 49' +22^\circ 01' +02^\circ 07' -23^\circ 06' +13^\circ 19' -21^\circ 22' \\ Jun 16 2028 & +23^\circ 14' +17^\circ 25' +19^\circ 20' +55^\circ 32' +11^\circ 49' +22^\circ 01' +02^\circ 07' -23^\circ 06' +13^\circ 19' -21^\circ 22' \\ Jun 16 2028 & +23^\circ 24' +17^\circ 36' +18^\circ 24' +21^\circ 29' +05^\circ 27' +11^\circ 54' +22^\circ 01' +02^\circ 07' -23^\circ 06' +13^\circ 19' -21^\circ 22' \\ Jun 16 2028 & +23^\circ 24' +17^\circ 36' +18^\circ 24' +21^\circ 37' +05^\circ 22' +11^\circ 56' +22^\circ 01' +02^\circ 07' -23^\circ 06' +13^\circ 22' -21^\circ 22' \\ Jun 16 2028 & +23^\circ 24' +17^\circ 36' +18^\circ 24' +21^\circ 37' +05^\circ 22' +11^\circ 56' +22^\circ 01' +02^\circ 09' -23^\circ 06' +13^\circ 22' -21^\circ 22' \\ Jun 12 2028 & +23^\circ 24' +17^\circ 36' +18^\circ 24' +21^\circ 37' +05^\circ 22' +11^\circ 56' +22^\circ 01' +02^\circ 09' -23^\circ 06' +13^\circ 22' -21^\circ 22' 22' 22' 22' \\ Jun 22 2028 & +23^\circ 24' +17^\circ 36' +18^\circ 24' +21^\circ$												
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Declinations

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Aug 5 2028 +16°49' +14°52' +19°43' +23°38' +02°30' +12°47' +22°21' +02°06' -23°30' +13°4	
Aug 6 2028 +16°32' +14°11' +19°48' +23°36' +02°26' +12°47' +22°21' +02°06' -23°30' +13°4	2' –21°26'
Aug 7 2028 +16°16' +13°30' +19°52' +23°33' +02°21' +12°47' +22°22' +02°05' -23°30' +13°4	2' -21°27'
Aug 8 2028 +15°59' +12°47' +19°55' +23°30' +02°17' +12°48' +22°22' +02°05' -23°31' +13°4	
Aug 9 2028 +15°41' +12°05' +19°58' +23°27' +02°12' +12°48' +22°22' +02°04' -23°31' +13°4	
Aug 10 2028 +15°24' +11°22' +20°01' +23°24' +02°07' +12°48' +22°22' +02°04' -23°32' +13°4	
Aug 11 2028 +15°06' +10°38' +20°04' +23°20' +02°03' +12°48' +22°23' +02°04' -23°32' +13°4	
Aug 12 2028 +14°48' +09°55' +20°06' +23°17' +01°58' +12°48' +22°23' +02°03' -23°32' +13°4	
Aug 13 2028 +14°30' +09°11' +20°08' +23°13' +01°54' +12°49' +22°23' +02°03' -23°33' +13°4 Aug 14 2028 +14°11' +08°28' +20°10' +23°09' +01°49' +12°49' +22°23' +02°02' -23°33' +13°4	
Aug 15 2028 +13°52' +07°44' +20°11' +23°05' +01°44' +12°49' +22°24' +02°02' -23°34' +13°4	
Aug 16 2028 +13°33' +07°01' +20°12' +23°00' +01°40' +12°49' +22°24' +02°01' -23°34' +13°4	
Aug 17 2028 +13°14' +06°17' +20°12' +22°56' +01°35' +12°49' +22°24' +02°01' -23°34' +13°4	
Aug 18 2028 +12°55' +05°34' +20°12' +22°51' +01°30' +12°49' +22°24' +02°01' -23°35' +13°4	
Aug 19 2028 +12°35' +04°51' +20°11' +22°46' +01°25' +12°48' +22°24' +02°00' -23°35' +13°4)' -21°29'
Aug 20 2028 +12°15' +04°08' +20°10' +22°41' +01°20' +12°48' +22°25' +02°00' -23°35' +13°4	0' -21°29'
Aug 21 2028 +11°55' +03°25' +20°09' +22°36' +01°16' +12°48' +22°25' +01°59' -23°36' +13°4	
Aug 22 2028 +11°35' +02°43' +20°07' +22°31' +01°11' +12°48' +22°25' +01°59' -23°36' +13°4	
Aug 23 2028 +11°15' +02°01' +20°05' +22°25' +01°06' +12°48' +22°25' +01°58' -23°37' +13°3	
Aug 24 2028 +10°54' +01°20' +20°02' +22°20' +01°01' +12°47' +22°25' +01°58' -23°37' +13°3	
Aug 25 2028 +10°34' +00°39' +19°59' +22°14' +00°56' +12°47' +22°25' +01°57' -23°37' +13°3	
Aug 26 2028 +10°13' -00°01' +19°55' +22°08' +00°51' +12°47' +22°26' +01°56' -23°38' +13°3 Aug 27 2028 +09°52' -00°41' +19°51' +22°02' +00°46' +12°46' +22°26' +01°56' -23°38' +13°3	
Aug 28 2028 +09°31' -01°20' +19°31' +22°02 +00°40' +12°46' +22°26' +01°56' -23°38' +13°3	
Aug 29 2028 +09°09' -01°58' +19°40' +21°49' +00°37' +12°46' +22°26' +01°55' -23°38' +13°3	
Aug 30 2028 +08°48' -02°36' +19°35' +21°42' +00°32' +12°45' +22°26' +01°54' -23°39' +13°3	
Aug 31 2028 +08°26' -03°14' +19°29' +21°35' +00°27' +12°45' +22°26' +01°54' -23°39' +13°3	
Sep 1 2028 +08°05' -03°50' +19°23' +21°28' +00°22' +12°44' +22°26' +01°53' -23°39' +13°3	
Sep 2 2028 +07°43' -04°25' +19°15' +21°21' +00°17' +12°44' +22°27' +01°52' -23°40' +13°3	
Sep 3 2028 +07°21' -05°00' +19°08' +21°14' +00°12' +12°43' +22°27' +01°52' -23°40' +13°3	
Sep 4 2028 +06°59' -05°34' +19°00' +21°07' +00°07' +12°43' +22°27' +01°51' -23°40' +13°3	4' -21°36'

EST +05:00	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron	True Node
Tropical	O	¥	Ŷ	ď	4	<u>ჯ</u>	ੇ ਨ	Ψ	Ψ	k	Ω
Geocentric Decl											
Sep 5 2028		-06°06'									-21°38'
Sep 6 2028		-06°38' -07°08'				+12°41' +12°41'					-21°39' -21°41'
Sep 7 2028 Sep 8 2028			+18°32			+12°40'					-21°41
Sep 9 2028			+18°11'			+12°39'					-21°43'
Sep 10 2028			+18°00'			+12°38'					-21°44'
Sep 11 2028		-08°54'				+12°38'					-21°44'
Sep 12 2028	+03°58'	-09°17'	+17°36'	+20°03'	-00°33'	+12°37'	+22°27'	+01°46'	-23°42'	+13°30'	-21°44'
Sep 13 2028			+17°23'			+12°36'					-21°44'
Sep 14 2028			+17°10'			+12°35'					-21°44'
Sep 15 2028			+16°56'			+12°34'					-21°44'
Sep 16 2028			+16°42'			+12°33'				+13°27'	
Sep 17 2028 Sep 18 2028			+16°28' +16°13'			+12°32' +12°31'					-21°45' -21°47'
Sep 16 2026		-10 46 -10°51'				+12 31 +12°30'					-21°47 -21°48'
Sep 19 2028			+15°41'			+12°29'					-21°49'
Sep 21 2028				+18°43'		+12°28'					-21°51'
Sep 22 2028		-10°46'				+12°27'					-21°52'
Sep 23 2028		-10°37'		+18°24'		+12°26'				+13°22'	1
Sep 24 2028	-00°40'	-10°23'	+14°32'	+18°14'	-01°34'	+12°25'	+22°27'	+01°38'	-23°44'	+13°21'	-21°53'
Sep 25 2028			+14°14'			+12°24'				+13°20'	1
Sep 26 2028			+13°55'			+12°22'				+13°19'	
Sep 27 2028		-09°16'				+12°21'					-21°53'
Sep 28 2028			+13°17'			+12°20'					-21°54'
Sep 29 2028			+12°57'			+12°19'					-21°54'
Sep 30 2028 Oct 1 2028			+12°36'	+17°14 +17°04'		+12°17' +12°16'				+13°16' +13°15'	1
Oct 2 2028		-06°09'				+12°15'					-21°58'
Oct 3 2028				+16°43'		+12°14'				+13°13'	1
Oct 4 2028			+11°11'			+12°12'				+13°12'	1
Oct 5 2028			+10°49'			+12°11'					-22°04'
Oct 6 2028	-05°19'	-03°18'	+10°27'	+16°11'	-02°36'	+12°09'	+22°27'	+01°31'	−23°45'	+13°10'	-22°05'
Oct 7 2028	-05°41'	-02°40'				+12°08'					-22°07'
Oct 8 2028				+15°50'		+12°07'				+13°09'	
Oct 9 2028		-01°37'								+13°08'	
Oct 10 2028		-01°13'								+13°07'	
Oct 11 2028 Oct 12 2028								+01°27' +01°27'			
Oct 12 2028		-00°33'								+13°03 +13°04'	1
Oct 14 2028		-00°31'				1				+13°03'	
Oct 15 2028		-00°34'				+11°57'					-22°10'
Oct 16 2028		-00°42'				+11°55'					-22°11'
Oct 17 2028	-09°26'	-00°55'	+05°59'	+14°10'	-03°31'	+11°54'	+22°25'	+01°24'	–23°45'	+13°00'	-22°13'
Oct 18 2028		-01°12'								+12°59'	1
Oct 19 2028		-01°32'								+12°58'	
Oct 20 2028		-01°57'									-22°17'
Oct 21 2028		-02°24'								+12°56'	
Oct 22 2028 Oct 23 2028		-02°53' -03°25'								+12°55' +12°54'	1
Oct 23 2028		-03°25 -03°59'								+12°54	1
Oct 25 2028		-04°35'								+12°52'	
Oct 26 2028		-05°11'								+12°51'	
Oct 27 2028		-05°49'									-22°19'
Oct 28 2028	-13°17'	-06°28'	+01°05'	+12°04'	-04°25'	+11°37'	+22°23'	+01°17'		+12°49'	
Oct 29 2028		-07°07'									-22°21'
Oct 30 2028		-07°46'									-22°22'
Oct 31 2028		-08°26'								+12°45'	
Nov 1 2028		-09°06'	1			1				+12°44'	1
Nov 2 2028 Nov 3 2028		-09°46' -10°25'				1				+12°43' +12°42'	
Nov 4 2028		-10 25 -11°05'								+12 42 +12°41'	
Nov 5 2028		-11°44'								+12°40'	1
1101 0 2020	10 43		02 00	10.01	00 02	11 20		1.01.10	20 40	12 40	22 00

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Declinations

EST +05:00	Sun	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto	Chiron	True Node
Tropical	O	¥	Ŷ	ď	4	৸	፠	Ψ	Ψ	ę	Ω
Geocentric Decl											
Nov 6 2028		-12°22'				+11°23'				+12°39'	
Nov 7 2028		−13°01'				+11°22'				+12°38'	
Nov 8 2028		−13°38'		+09°55'		+11°20'				+12°37'	
Nov 9 2028		−14°15'				+11°19'				+12°36'	
Nov 10 2028		−14°52'				+11°17'				+12°35'	
Nov 11 2028		-15°27'		+09°20'		+11°16'				+12°34'	
Nov 12 2028		-16°02'		+09°09'		+11°15'				+12°33'	
Nov 13 2028		-16°36'		+08°57'		+11°13'				+12°32'	
Nov 14 2028		-17°10'		+08°45'		+11°12'				+12°31'	
Nov 15 2028		-17°42'		+08°34'		+11°10'				+12°30'	
Nov 16 2028		-18°14'		+08°22'		+11°09'				+12°30'	
Nov 17 2028 Nov 18 2028		−18°45' −19°14'		+08°11'		+11°08'				+12°29'	
Nov 18 2028		-19 14 -19°43'		+07°59' +07°48'		+11°06' +11°05'				+12°28' +12°27'	
Nov 19 2028		-19 43 -20°11'		+07 46 +07°36'		+11°04'				+12 27 +12°26'	
Nov 20 2028		-20°38'		+07°25'		+11°04				+12°25'	
Nov 22 2028			-10°20'			+11°03				+12°24'	
Nov 23 2028		-21°29'		+07°02'		+11°00'				1	-22°36'
Nov 24 2028			-11°12'			+10°59'				+12°22'	-22°36'
Nov 25 2028			-11°37'			+10°58'				+12°21'	
Nov 26 2028		-22°37'		+06°28'		+10°57'				+12°20'	
Nov 27 2028		-22°58'	-12°27'			+10°56'				+12°20'	
Nov 28 2028		-23°17'	-12°52'			+10°55'				+12°19'	
Nov 29 2028			-13°16'			+10°54'				+12°18'	
Nov 30 2028			-13°41'			+10°53'				+12°17'	
Dec 1 2028			-14°04'			+10°52'				+12°16'	
Dec 2 2028		-24°22'	-14°28'			+10°51'				+12°15'	
Dec 3 2028		-24°36'	-14°51'			+10°50'				+12°15'	
Dec 4 2028	-22°18'	-24°47'	-15°14'	+05°00'	-07°04'	+10°49'	+22°13'	+01°04'	-23°34'	+12°14'	-22°40'
Dec 5 2028	-22°25'	−24°58'	-15°36'	+04°49'	-07°08'	+10°48'	+22°13'	+01°04'	-23°34'	+12°13'	-22°40'
Dec 6 2028	-22°32'	-25°07'	-15°58'	+04°38'	–07°11'	+10°47'	+22°12'	+01°04'	-23°34'	+12°12'	–22°40'
Dec 7 2028		−25°15'		+04°27'		+10°46'				+12°12'	
Dec 8 2028	-22°45'					+10°46'				+12°11'	
Dec 9 2028		-25°27'	–17°01'			+10°45'				+12°10'	
Dec 10 2028						+10°44'				+12°10'	
		−25°33'								+12°09'	
		-25°34'								+12°08'	
Dec 13 2028						+10°42'				+12°08'	
Dec 14 2028						+10°42'				+12°07'	
Dec 15 2028						+10°41'				+12°07'	
Dec 16 2028						+10°41'				+12°06'	
Dec 17 2028						+10°40'				+12°05'	
Dec 18 2028						+10°40'				+12°05'	
Dec 19 2028 Dec 20 2028						+10°39' +10°39'				+12°04' +12°04'	
						+10°39'					
Dec 21 2028 Dec 22 2028		-24 35 -24°21'				1				+12°03' +12°03'	
Dec 22 2028		-24°05'				+10°38'				+12°03	
Dec 23 2028						+10°38'				+12°02'	
Dec 24 2028						+10°38'				+12°02'	
Dec 26 2028		-23°12'				+10°38'				+12°02	
Dec 20 2028		-22°52'				+10°37'				+12°01'	
Dec 28 2028		-22°30'				+10°37'				+12°00'	
Dec 29 2028						+10°37'				+12°00'	
						+10°37'				+12°00'	
						+10°37'				+12°00'	
			- - ·				• .				