

| EST +05:00<br>Tropical<br>Geocentric Decl | Sun<br>☉ | Mercury<br>☿ | Venus<br>♀ | Mars<br>♂ | Jupiter<br>♃ | Saturn<br>♄ | Uranus<br>♅ | Neptune<br>♆ | Pluto<br>♇ | Chiron<br>♁ | True Node<br>♊♎ |
|---|----------|--------------|------------|-----------|--------------|-------------|-------------|--------------|------------|-------------|-----------------|
| Jan 1 2022                                | -23°00'  | -22°13'      | -18°32'    | -22°31'   | -12°11'      | -18°00'     | +14°43'     | -04°44'      | -22°39'    | +05°21'     | +20°23'         |
| Jan 2 2022                                | -22°54'  | -21°49'      | -18°22'    | -22°37'   | -12°07'      | -17°58'     | +14°43'     | -04°43'      | -22°38'    | +05°21'     | +20°23'         |
| Jan 3 2022                                | -22°49'  | -21°25'      | -18°12'    | -22°42'   | -12°03'      | -17°56'     | +14°43'     | -04°43'      | -22°38'    | +05°21'     | +20°22'         |
| Jan 4 2022                                | -22°43'  | -20°59'      | -18°02'    | -22°48'   | -11°58'      | -17°54'     | +14°42'     | -04°42'      | -22°38'    | +05°21'     | +20°20'         |
| Jan 5 2022                                | -22°36'  | -20°33'      | -17°52'    | -22°53'   | -11°54'      | -17°52'     | +14°42'     | -04°42'      | -22°38'    | +05°22'     | +20°19'         |
| Jan 6 2022                                | -22°29'  | -20°06'      | -17°43'    | -22°58'   | -11°50'      | -17°51'     | +14°42'     | -04°42'      | -22°37'    | +05°22'     | +20°17'         |
| Jan 7 2022                                | -22°22'  | -19°39'      | -17°34'    | -23°03'   | -11°45'      | -17°49'     | +14°42'     | -04°41'      | -22°37'    | +05°22'     | +20°16'         |
| Jan 8 2022                                | -22°14'  | -19°12'      | -17°26'    | -23°07'   | -11°41'      | -17°47'     | +14°42'     | -04°40'      | -22°37'    | +05°22'     | +20°15'         |
| Jan 9 2022                                | -22°06'  | -18°46'      | -17°17'    | -23°11'   | -11°36'      | -17°45'     | +14°41'     | -04°40'      | -22°36'    | +05°23'     | +20°15'         |
| Jan 10 2022                               | -21°57'  | -18°20'      | -17°10'    | -23°16'   | -11°32'      | -17°43'     | +14°41'     | -04°39'      | -22°36'    | +05°23'     | +20°15'         |
| Jan 11 2022                               | -21°48'  | -17°55'      | -17°02'    | -23°20'   | -11°27'      | -17°41'     | +14°41'     | -04°39'      | -22°36'    | +05°23'     | +20°15'         |
| Jan 12 2022                               | -21°38'  | -17°32'      | -16°55'    | -23°23'   | -11°23'      | -17°39'     | +14°41'     | -04°38'      | -22°35'    | +05°23'     | +20°16'         |
| Jan 13 2022                               | -21°28'  | -17°10'      | -16°49'    | -23°27'   | -11°18'      | -17°37'     | +14°41'     | -04°38'      | -22°35'    | +05°24'     | +20°16'         |
| Jan 14 2022                               | -21°18'  | -16°51'      | -16°43'    | -23°30'   | -11°13'      | -17°35'     | +14°41'     | -04°37'      | -22°35'    | +05°24'     | +20°15'         |
| Jan 15 2022                               | -21°07'  | -16°34'      | -16°38'    | -23°33'   | -11°09'      | -17°33'     | +14°41'     | -04°37'      | -22°35'    | +05°25'     | +20°15'         |
| Jan 16 2022                               | -20°56'  | -16°20'      | -16°33'    | -23°36'   | -11°04'      | -17°31'     | +14°41'     | -04°36'      | -22°34'    | +05°25'     | +20°14'         |
| Jan 17 2022                               | -20°44'  | -16°09'      | -16°28'    | -23°38'   | -10°59'      | -17°30'     | +14°41'     | -04°35'      | -22°34'    | +05°25'     | +20°12'         |
| Jan 18 2022                               | -20°32'  | -16°01'      | -16°24'    | -23°41'   | -10°54'      | -17°28'     | +14°41'     | -04°35'      | -22°34'    | +05°26'     | +20°10'         |
| Jan 19 2022                               | -20°20'  | -15°56'      | -16°21'    | -23°43'   | -10°49'      | -17°26'     | +14°41'     | -04°34'      | -22°33'    | +05°26'     | +20°07'         |
| Jan 20 2022                               | -20°07'  | -15°55'      | -16°18'    | -23°44'   | -10°45'      | -17°24'     | +14°41'     | -04°33'      | -22°33'    | +05°27'     | +20°05'         |
| Jan 21 2022                               | -19°54'  | -15°57'      | -16°15'    | -23°46'   | -10°40'      | -17°22'     | +14°41'     | -04°33'      | -22°33'    | +05°27'     | +20°03'         |
| Jan 22 2022                               | -19°40'  | -16°02'      | -16°13'    | -23°47'   | -10°35'      | -17°20'     | +14°41'     | -04°32'      | -22°33'    | +05°28'     | +20°01'         |
| Jan 23 2022                               | -19°27'  | -16°09'      | -16°11'    | -23°49'   | -10°30'      | -17°18'     | +14°41'     | -04°32'      | -22°32'    | +05°28'     | +19°59'         |
| Jan 24 2022                               | -19°12'  | -16°18'      | -16°10'    | -23°50'   | -10°25'      | -17°16'     | +14°41'     | -04°31'      | -22°32'    | +05°29'     | +19°58'         |
| Jan 25 2022                               | -18°58'  | -16°29'      | -16°10'    | -23°50'   | -10°20'      | -17°13'     | +14°42'     | -04°30'      | -22°32'    | +05°30'     | +19°58'         |
| Jan 26 2022                               | -18°43'  | -16°41'      | -16°09'    | -23°51'   | -10°15'      | -17°11'     | +14°42'     | -04°29'      | -22°31'    | +05°30'     | +19°58'         |
| Jan 27 2022                               | -18°27'  | -16°54'      | -16°09'    | -23°51'   | -10°10'      | -17°09'     | +14°42'     | -04°29'      | -22°31'    | +05°31'     | +19°58'         |
| Jan 28 2022                               | -18°12'  | -17°08'      | -16°10'    | -23°51'   | -10°05'      | -17°07'     | +14°42'     | -04°28'      | -22°31'    | +05°31'     | +19°58'         |
| Jan 29 2022                               | -17°56'  | -17°21'      | -16°11'    | -23°50'   | -10°00'      | -17°05'     | +14°42'     | -04°27'      | -22°31'    | +05°32'     | +19°57'         |
| Jan 30 2022                               | -17°40'  | -17°35'      | -16°12'    | -23°50'   | -09°55'      | -17°03'     | +14°42'     | -04°27'      | -22°30'    | +05°33'     | +19°56'         |
| Jan 31 2022                               | -17°23'  | -17°49'      | -16°13'    | -23°49'   | -09°49'      | -17°01'     | +14°43'     | -04°26'      | -22°30'    | +05°34'     | +19°54'         |
| Feb 1 2022                                | -17°06'  | -18°02'      | -16°15'    | -23°48'   | -09°44'      | -16°59'     | +14°43'     | -04°25'      | -22°30'    | +05°34'     | +19°52'         |
| Feb 2 2022                                | -16°49'  | -18°14'      | -16°17'    | -23°47'   | -09°39'      | -16°57'     | +14°43'     | -04°24'      | -22°29'    | +05°35'     | +19°49'         |
| Feb 3 2022                                | -16°31'  | -18°26'      | -16°19'    | -23°45'   | -09°34'      | -16°55'     | +14°43'     | -04°24'      | -22°29'    | +05°36'     | +19°47'         |
| Feb 4 2022                                | -16°13'  | -18°37'      | -16°21'    | -23°44'   | -09°29'      | -16°53'     | +14°44'     | -04°23'      | -22°29'    | +05°37'     | +19°45'         |
| Feb 5 2022                                | -15°55'  | -18°47'      | -16°23'    | -23°42'   | -09°23'      | -16°51'     | +14°44'     | -04°22'      | -22°29'    | +05°37'     | +19°43'         |
| Feb 6 2022                                | -15°37'  | -18°57'      | -16°26'    | -23°40'   | -09°18'      | -16°49'     | +14°44'     | -04°21'      | -22°28'    | +05°38'     | +19°42'         |
| Feb 7 2022                                | -15°18'  | -19°05'      | -16°28'    | -23°37'   | -09°13'      | -16°47'     | +14°45'     | -04°20'      | -22°28'    | +05°39'     | +19°41'         |
| Feb 8 2022                                | -15°00'  | -19°12'      | -16°31'    | -23°34'   | -09°08'      | -16°45'     | +14°45'     | -04°20'      | -22°28'    | +05°40'     | +19°41'         |
| Feb 9 2022                                | -14°40'  | -19°18'      | -16°33'    | -23°31'   | -09°02'      | -16°42'     | +14°45'     | -04°19'      | -22°28'    | +05°41'     | +19°41'         |
| Feb 10 2022                               | -14°21'  | -19°23'      | -16°36'    | -23°28'   | -08°57'      | -16°40'     | +14°46'     | -04°18'      | -22°27'    | +05°41'     | +19°41'         |
| Feb 11 2022                               | -14°01'  | -19°27'      | -16°38'    | -23°25'   | -08°52'      | -16°38'     | +14°46'     | -04°17'      | -22°27'    | +05°42'     | +19°40'         |
| Feb 12 2022                               | -13°42'  | -19°30'      | -16°41'    | -23°21'   | -08°46'      | -16°36'     | +14°47'     | -04°16'      | -22°27'    | +05°43'     | +19°39'         |
| Feb 13 2022                               | -13°22'  | -19°32'      | -16°43'    | -23°17'   | -08°41'      | -16°34'     | +14°47'     | -04°16'      | -22°27'    | +05°44'     | +19°38'         |
| Feb 14 2022                               | -13°01'  | -19°32'      | -16°46'    | -23°13'   | -08°36'      | -16°32'     | +14°47'     | -04°15'      | -22°26'    | +05°45'     | +19°36'         |
| Feb 15 2022                               | -12°41'  | -19°31'      | -16°48'    | -23°09'   | -08°30'      | -16°30'     | +14°48'     | -04°14'      | -22°26'    | +05°46'     | +19°33'         |
| Feb 16 2022                               | -12°20'  | -19°29'      | -16°50'    | -23°04'   | -08°25'      | -16°28'     | +14°48'     | -04°13'      | -22°26'    | +05°47'     | +19°30'         |
| Feb 17 2022                               | -11°59'  | -19°26'      | -16°51'    | -22°59'   | -08°19'      | -16°26'     | +14°49'     | -04°12'      | -22°26'    | +05°48'     | +19°27'         |
| Feb 18 2022                               | -11°38'  | -19°21'      | -16°53'    | -22°54'   | -08°14'      | -16°24'     | +14°49'     | -04°11'      | -22°25'    | +05°49'     | +19°23'         |
| Feb 19 2022                               | -11°17'  | -19°15'      | -16°54'    | -22°49'   | -08°08'      | -16°21'     | +14°50'     | -04°11'      | -22°25'    | +05°50'     | +19°21'         |
| Feb 20 2022                               | -10°55'  | -19°08'      | -16°56'    | -22°43'   | -08°03'      | -16°19'     | +14°50'     | -04°10'      | -22°25'    | +05°51'     | +19°19'         |
| Feb 21 2022                               | -10°34'  | -19°00'      | -16°56'    | -22°38'   | -07°57'      | -16°17'     | +14°51'     | -04°09'      | -22°25'    | +05°52'     | +19°18'         |
| Feb 22 2022                               | -10°12'  | -18°50'      | -16°57'    | -22°32'   | -07°52'      | -16°15'     | +14°51'     | -04°08'      | -22°24'    | +05°53'     | +19°17'         |
| Feb 23 2022                               | -09°50'  | -18°39'      | -16°57'    | -22°25'   | -07°46'      | -16°13'     | +14°52'     | -04°07'      | -22°24'    | +05°54'     | +19°17'         |
| Feb 24 2022                               | -09°28'  | -18°27'      | -16°57'    | -22°19'   | -07°41'      | -16°11'     | +14°53'     | -04°06'      | -22°24'    | +05°55'     | +19°17'         |
| Feb 25 2022                               | -09°06'  | -18°13'      | -16°57'    | -22°12'   | -07°35'      | -16°09'     | +14°53'     | -04°05'      | -22°24'    | +05°56'     | +19°17'         |
| Feb 26 2022                               | -08°43'  | -17°59'      | -16°56'    | -22°05'   | -07°30'      | -16°07'     | +14°54'     | -04°05'      | -22°24'    | +05°57'     | +19°16'         |
| Feb 27 2022                               | -08°21'  | -17°42'      | -16°55'    | -21°58'   | -07°24'      | -16°05'     | +14°54'     | -04°04'      | -22°23'    | +05°58'     | +19°15'         |
| Feb 28 2022                               | -07°58'  | -17°25'      | -16°54'    | -21°51'   | -07°19'      | -16°03'     | +14°55'     | -04°03'      | -22°23'    | +06°00'     | +19°13'         |
| Mar 1 2022                                | -07°35'  | -17°06'      | -16°52'    | -21°43'   | -07°13'      | -16°01'     | +14°56'     | -04°02'      | -22°23'    | +06°01'     | +19°11'         |
| Mar 2 2022                                | -07°13'  | -16°46'      | -16°50'    | -21°35'   | -07°08'      | -15°59'     | +14°56'     | -04°01'      | -22°23'    | +06°02'     | +19°08'         |
| Mar 3 2022                                | -06°50'  | -16°25'      | -16°47'    | -21°27'   | -07°02'      | -15°57'     | +14°57'     | -04°00'      | -22°23'    | +06°03'     | +19°05'         |

| EST +05:00<br>Tropical<br>Geocentric Decl | Sun<br>☉ | Mercury<br>☿ | Venus<br>♀ | Mars<br>♂ | Jupiter<br>♃ | Saturn<br>♄ | Uranus<br>♅ | Neptune<br>♆ | Pluto<br>♇ | Chiron<br>♁ | True Node<br>♁ |
|---|----------|--------------|------------|-----------|--------------|-------------|-------------|--------------|------------|-------------|----------------|
| Mar 4 2022                                | -06°27'  | -16°02'      | -16°44'    | -21°19'   | -06°56'      | -15°55'     | +14°58'     | -03°59'      | -22°22'    | +06°04'     | +19°02'        |
| Mar 5 2022                                | -06°03'  | -15°38'      | -16°41'    | -21°10'   | -06°51'      | -15°53'     | +14°58'     | -03°58'      | -22°22'    | +06°05'     | +19°00'        |
| Mar 6 2022                                | -05°40'  | -15°13'      | -16°37'    | -21°02'   | -06°45'      | -15°51'     | +14°59'     | -03°57'      | -22°22'    | +06°06'     | +18°59'        |
| Mar 7 2022                                | -05°17'  | -14°47'      | -16°32'    | -20°53'   | -06°40'      | -15°49'     | +15°00'     | -03°57'      | -22°22'    | +06°08'     | +18°58'        |
| Mar 8 2022                                | -04°54'  | -14°19'      | -16°28'    | -20°44'   | -06°34'      | -15°47'     | +15°01'     | -03°56'      | -22°22'    | +06°09'     | +18°58'        |
| Mar 9 2022                                | -04°30'  | -13°50'      | -16°22'    | -20°34'   | -06°29'      | -15°45'     | +15°01'     | -03°55'      | -22°22'    | +06°10'     | +18°58'        |
| Mar 10 2022                               | -04°07'  | -13°20'      | -16°17'    | -20°25'   | -06°23'      | -15°43'     | +15°02'     | -03°54'      | -22°21'    | +06°11'     | +18°58'        |
| Mar 11 2022                               | -03°43'  | -12°49'      | -16°11'    | -20°15'   | -06°17'      | -15°41'     | +15°03'     | -03°53'      | -22°21'    | +06°12'     | +18°58'        |
| Mar 12 2022                               | -03°19'  | -12°16'      | -16°04'    | -20°05'   | -06°12'      | -15°39'     | +15°04'     | -03°52'      | -22°21'    | +06°14'     | +18°58'        |
| Mar 13 2022                               | -02°56'  | -11°42'      | -15°57'    | -19°55'   | -06°06'      | -15°37'     | +15°04'     | -03°51'      | -22°21'    | +06°15'     | +18°57'        |
| Mar 14 2022                               | -02°32'  | -11°07'      | -15°50'    | -19°45'   | -06°01'      | -15°35'     | +15°05'     | -03°50'      | -22°21'    | +06°16'     | +18°55'        |
| Mar 15 2022                               | -02°08'  | -10°31'      | -15°42'    | -19°34'   | -05°55'      | -15°33'     | +15°06'     | -03°49'      | -22°21'    | +06°17'     | +18°53'        |
| Mar 16 2022                               | -01°45'  | -09°53'      | -15°34'    | -19°23'   | -05°49'      | -15°31'     | +15°07'     | -03°48'      | -22°21'    | +06°19'     | +18°50'        |
| Mar 17 2022                               | -01°21'  | -09°15'      | -15°25'    | -19°12'   | -05°44'      | -15°29'     | +15°08'     | -03°48'      | -22°21'    | +06°20'     | +18°48'        |
| Mar 18 2022                               | -00°57'  | -08°35'      | -15°15'    | -19°01'   | -05°38'      | -15°27'     | +15°09'     | -03°47'      | -22°20'    | +06°21'     | +18°45'        |
| Mar 19 2022                               | -00°34'  | -07°54'      | -15°06'    | -18°50'   | -05°33'      | -15°25'     | +15°09'     | -03°46'      | -22°20'    | +06°22'     | +18°43'        |
| Mar 20 2022                               | -00°10'  | -07°11'      | -14°55'    | -18°39'   | -05°27'      | -15°24'     | +15°10'     | -03°45'      | -22°20'    | +06°24'     | +18°42'        |
| Mar 21 2022                               | +00°13'  | -06°28'      | -14°45'    | -18°27'   | -05°22'      | -15°22'     | +15°11'     | -03°44'      | -22°20'    | +06°25'     | +18°41'        |
| Mar 22 2022                               | +00°36'  | -05°43'      | -14°33'    | -18°15'   | -05°16'      | -15°20'     | +15°12'     | -03°43'      | -22°20'    | +06°26'     | +18°41'        |
| Mar 23 2022                               | +01°00'  | -04°58'      | -14°22'    | -18°03'   | -05°11'      | -15°18'     | +15°13'     | -03°42'      | -22°20'    | +06°28'     | +18°41'        |
| Mar 24 2022                               | +01°24'  | -04°11'      | -14°10'    | -17°51'   | -05°05'      | -15°16'     | +15°14'     | -03°41'      | -22°20'    | +06°29'     | +18°41'        |
| Mar 25 2022                               | +01°47'  | -03°23'      | -13°57'    | -17°38'   | -04°59'      | -15°14'     | +15°15'     | -03°41'      | -22°20'    | +06°30'     | +18°41'        |
| Mar 26 2022                               | +02°11'  | -02°34'      | -13°44'    | -17°26'   | -04°54'      | -15°13'     | +15°15'     | -03°40'      | -22°20'    | +06°31'     | +18°41'        |
| Mar 27 2022                               | +02°34'  | -01°44'      | -13°31'    | -17°13'   | -04°48'      | -15°11'     | +15°16'     | -03°39'      | -22°20'    | +06°33'     | +18°40'        |
| Mar 28 2022                               | +02°58'  | -00°53'      | -13°17'    | -17°00'   | -04°43'      | -15°09'     | +15°17'     | -03°38'      | -22°20'    | +06°34'     | +18°39'        |
| Mar 29 2022                               | +03°21'  | -00°02'      | -13°02'    | -16°47'   | -04°37'      | -15°07'     | +15°18'     | -03°37'      | -22°20'    | +06°35'     | +18°37'        |
| Mar 30 2022                               | +03°45'  | +00°50'      | -12°48'    | -16°34'   | -04°32'      | -15°06'     | +15°19'     | -03°36'      | -22°20'    | +06°37'     | +18°36'        |
| Mar 31 2022                               | +04°08'  | +01°44'      | -12°32'    | -16°21'   | -04°26'      | -15°04'     | +15°20'     | -03°35'      | -22°19'    | +06°38'     | +18°34'        |
| Apr 1 2022                                | +04°31'  | +02°38'      | -12°17'    | -16°07'   | -04°21'      | -15°02'     | +15°21'     | -03°34'      | -22°19'    | +06°39'     | +18°32'        |
| Apr 2 2022                                | +04°54'  | +03°33'      | -12°01'    | -15°54'   | -04°15'      | -15°01'     | +15°22'     | -03°34'      | -22°19'    | +06°41'     | +18°31'        |
| Apr 3 2022                                | +05°17'  | +04°28'      | -11°44'    | -15°40'   | -04°10'      | -14°59'     | +15°23'     | -03°33'      | -22°19'    | +06°42'     | +18°30'        |
| Apr 4 2022                                | +05°40'  | +05°24'      | -11°27'    | -15°26'   | -04°05'      | -14°58'     | +15°24'     | -03°32'      | -22°19'    | +06°43'     | +18°30'        |
| Apr 5 2022                                | +06°03'  | +06°20'      | -11°10'    | -15°12'   | -03°59'      | -14°56'     | +15°25'     | -03°31'      | -22°19'    | +06°45'     | +18°30'        |
| Apr 6 2022                                | +06°26'  | +07°16'      | -10°53'    | -14°57'   | -03°54'      | -14°54'     | +15°26'     | -03°30'      | -22°19'    | +06°46'     | +18°30'        |
| Apr 7 2022                                | +06°49'  | +08°12'      | -10°35'    | -14°43'   | -03°48'      | -14°53'     | +15°27'     | -03°29'      | -22°19'    | +06°47'     | +18°30'        |
| Apr 8 2022                                | +07°11'  | +09°08'      | -10°16'    | -14°29'   | -03°43'      | -14°51'     | +15°28'     | -03°29'      | -22°19'    | +06°49'     | +18°31'        |
| Apr 9 2022                                | +07°33'  | +10°04'      | -09°58'    | -14°14'   | -03°38'      | -14°50'     | +15°29'     | -03°28'      | -22°19'    | +06°50'     | +18°31'        |
| Apr 10 2022                               | +07°56'  | +10°59'      | -09°38'    | -13°59'   | -03°32'      | -14°48'     | +15°30'     | -03°27'      | -22°19'    | +06°51'     | +18°31'        |
| Apr 11 2022                               | +08°18'  | +11°53'      | -09°19'    | -13°44'   | -03°27'      | -14°47'     | +15°31'     | -03°26'      | -22°19'    | +06°53'     | +18°30'        |
| Apr 12 2022                               | +08°40'  | +12°46'      | -08°59'    | -13°29'   | -03°22'      | -14°45'     | +15°32'     | -03°25'      | -22°20'    | +06°54'     | +18°29'        |
| Apr 13 2022                               | +09°02'  | +13°38'      | -08°39'    | -13°14'   | -03°16'      | -14°44'     | +15°33'     | -03°25'      | -22°20'    | +06°55'     | +18°28'        |
| Apr 14 2022                               | +09°23'  | +14°28'      | -08°19'    | -12°59'   | -03°11'      | -14°43'     | +15°34'     | -03°24'      | -22°20'    | +06°56'     | +18°27'        |
| Apr 15 2022                               | +09°45'  | +15°17'      | -07°58'    | -12°44'   | -03°06'      | -14°41'     | +15°35'     | -03°23'      | -22°20'    | +06°58'     | +18°26'        |
| Apr 16 2022                               | +10°06'  | +16°04'      | -07°37'    | -12°28'   | -03°01'      | -14°40'     | +15°36'     | -03°22'      | -22°20'    | +06°59'     | +18°25'        |
| Apr 17 2022                               | +10°27'  | +16°49'      | -07°16'    | -12°12'   | -02°56'      | -14°39'     | +15°37'     | -03°22'      | -22°20'    | +07°00'     | +18°25'        |
| Apr 18 2022                               | +10°48'  | +17°31'      | -06°54'    | -11°57'   | -02°50'      | -14°37'     | +15°38'     | -03°21'      | -22°20'    | +07°02'     | +18°24'        |
| Apr 19 2022                               | +11°09'  | +18°12'      | -06°32'    | -11°41'   | -02°45'      | -14°36'     | +15°39'     | -03°20'      | -22°20'    | +07°03'     | +18°24'        |
| Apr 20 2022                               | +11°30'  | +18°50'      | -06°10'    | -11°25'   | -02°40'      | -14°35'     | +15°40'     | -03°19'      | -22°20'    | +07°04'     | +18°25'        |
| Apr 21 2022                               | +11°50'  | +19°25'      | -05°48'    | -11°09'   | -02°35'      | -14°34'     | +15°41'     | -03°19'      | -22°20'    | +07°06'     | +18°25'        |
| Apr 22 2022                               | +12°11'  | +19°58'      | -05°25'    | -10°53'   | -02°30'      | -14°32'     | +15°42'     | -03°18'      | -22°20'    | +07°07'     | +18°25'        |
| Apr 23 2022                               | +12°31'  | +20°29'      | -05°02'    | -10°37'   | -02°25'      | -14°31'     | +15°43'     | -03°17'      | -22°20'    | +07°08'     | +18°25'        |
| Apr 24 2022                               | +12°51'  | +20°57'      | -04°39'    | -10°21'   | -02°20'      | -14°30'     | +15°44'     | -03°16'      | -22°20'    | +07°09'     | +18°25'        |
| Apr 25 2022                               | +13°10'  | +21°22'      | -04°16'    | -10°04'   | -02°15'      | -14°29'     | +15°45'     | -03°16'      | -22°21'    | +07°11'     | +18°25'        |
| Apr 26 2022                               | +13°30'  | +21°45'      | -03°52'    | -09°48'   | -02°10'      | -14°28'     | +15°46'     | -03°15'      | -22°21'    | +07°12'     | +18°25'        |
| Apr 27 2022                               | +13°49'  | +22°05'      | -03°28'    | -09°31'   | -02°05'      | -14°27'     | +15°47'     | -03°14'      | -22°21'    | +07°13'     | +18°24'        |
| Apr 28 2022                               | +14°08'  | +22°23'      | -03°05'    | -09°15'   | -02°00'      | -14°26'     | +15°48'     | -03°14'      | -22°21'    | +07°15'     | +18°24'        |
| Apr 29 2022                               | +14°27'  | +22°38'      | -02°40'    | -08°58'   | -01°55'      | -14°25'     | +15°49'     | -03°13'      | -22°21'    | +07°16'     | +18°23'        |
| Apr 30 2022                               | +14°45'  | +22°51'      | -02°16'    | -08°41'   | -01°50'      | -14°24'     | +15°50'     | -03°12'      | -22°21'    | +07°17'     | +18°23'        |
| May 1 2022                                | +15°04'  | +23°01'      | -01°52'    | -08°25'   | -01°45'      | -14°23'     | +15°51'     | -03°12'      | -22°21'    | +07°18'     | +18°23'        |
| May 2 2022                                | +15°22'  | +23°09'      | -01°27'    | -08°08'   | -01°41'      | -14°22'     | +15°52'     | -03°11'      | -22°21'    | +07°19'     | +18°23'        |
| May 3 2022                                | +15°39'  | +23°15'      | -01°02'    | -07°51'   | -01°36'      | -14°21'     | +15°53'     | -03°10'      | -22°22'    | +07°21'     | +18°23'        |
| May 4 2022                                | +15°57'  | +23°18'      | -00°38'    | -07°34'   | -01°31'      | -14°20'     | +15°54'     | -03°10'      | -22°22'    | +07°22'     | +18°23'        |

| EST +05:00<br>Tropical<br>Geocentric Decl | Sun<br>☉ | Mercury<br>☿ | Venus<br>♀ | Mars<br>♂ | Jupiter<br>♃ | Saturn<br>♄ | Uranus<br>♅ | Neptune<br>♆ | Pluto<br>♇ | Chiron<br>♁ | True Node<br>♁ |
|---|----------|--------------|------------|-----------|--------------|-------------|-------------|--------------|------------|-------------|----------------|
| May 5 2022                                | +16°14'  | +23°19'      | -00°13'    | -07°17'   | -01°26'      | -14°19'     | +15°55'     | -03°09'      | -22°22'    | +07°23'     | +18°23'        |
| May 6 2022                                | +16°31'  | +23°18'      | +00°11'    | -07°00'   | -01°22'      | -14°19'     | +15°56'     | -03°09'      | -22°22'    | +07°24'     | +18°23'        |
| May 7 2022                                | +16°48'  | +23°14'      | +00°36'    | -06°43'   | -01°17'      | -14°18'     | +15°57'     | -03°08'      | -22°22'    | +07°26'     | +18°23'        |
| May 8 2022                                | +17°04'  | +23°09'      | +01°02'    | -06°25'   | -01°12'      | -14°17'     | +15°58'     | -03°07'      | -22°23'    | +07°27'     | +18°24'        |
| May 9 2022                                | +17°21'  | +23°01'      | +01°27'    | -06°08'   | -01°08'      | -14°16'     | +15°59'     | -03°07'      | -22°23'    | +07°28'     | +18°24'        |
| May 10 2022                               | +17°36'  | +22°51'      | +01°52'    | -05°51'   | -01°03'      | -14°16'     | +16°00'     | -03°06'      | -22°23'    | +07°29'     | +18°24'        |
| May 11 2022                               | +17°52'  | +22°39'      | +02°17'    | -05°34'   | -00°59'      | -14°15'     | +16°01'     | -03°06'      | -22°23'    | +07°30'     | +18°24'        |
| May 12 2022                               | +18°07'  | +22°26'      | +02°43'    | -05°16'   | -00°54'      | -14°14'     | +16°02'     | -03°05'      | -22°23'    | +07°31'     | +18°23'        |
| May 13 2022                               | +18°22'  | +22°10'      | +03°08'    | -04°59'   | -00°50'      | -14°14'     | +16°03'     | -03°05'      | -22°24'    | +07°32'     | +18°23'        |
| May 14 2022                               | +18°37'  | +21°53'      | +03°34'    | -04°42'   | -00°46'      | -14°13'     | +16°04'     | -03°04'      | -22°24'    | +07°34'     | +18°23'        |
| May 15 2022                               | +18°51'  | +21°34'      | +03°59'    | -04°24'   | -00°41'      | -14°13'     | +16°05'     | -03°04'      | -22°24'    | +07°35'     | +18°23'        |
| May 16 2022                               | +19°05'  | +21°14'      | +04°25'    | -04°07'   | -00°37'      | -14°12'     | +16°06'     | -03°03'      | -22°24'    | +07°36'     | +18°23'        |
| May 17 2022                               | +19°19'  | +20°53'      | +04°50'    | -03°49'   | -00°33'      | -14°12'     | +16°07'     | -03°03'      | -22°24'    | +07°37'     | +18°23'        |
| May 18 2022                               | +19°32'  | +20°30'      | +05°15'    | -03°32'   | -00°28'      | -14°11'     | +16°08'     | -03°02'      | -22°25'    | +07°38'     | +18°23'        |
| May 19 2022                               | +19°45'  | +20°07'      | +05°41'    | -03°15'   | -00°24'      | -14°11'     | +16°09'     | -03°02'      | -22°25'    | +07°39'     | +18°23'        |
| May 20 2022                               | +19°58'  | +19°43'      | +06°06'    | -02°57'   | -00°20'      | -14°11'     | +16°10'     | -03°01'      | -22°25'    | +07°40'     | +18°23'        |
| May 21 2022                               | +20°10'  | +19°19'      | +06°31'    | -02°40'   | -00°16'      | -14°10'     | +16°11'     | -03°01'      | -22°25'    | +07°41'     | +18°23'        |
| May 22 2022                               | +20°22'  | +18°55'      | +06°57'    | -02°22'   | -00°12'      | -14°10'     | +16°12'     | -03°00'      | -22°26'    | +07°42'     | +18°23'        |
| May 23 2022                               | +20°34'  | +18°31'      | +07°22'    | -02°05'   | -00°08'      | -14°10'     | +16°13'     | -03°00'      | -22°26'    | +07°43'     | +18°23'        |
| May 24 2022                               | +20°45'  | +18°08'      | +07°47'    | -01°47'   | -00°04'      | -14°09'     | +16°14'     | -03°00'      | -22°26'    | +07°44'     | +18°23'        |
| May 25 2022                               | +20°56'  | +17°45'      | +08°12'    | -01°30'   | -00°00'      | -14°09'     | +16°15'     | -02°59'      | -22°27'    | +07°45'     | +18°23'        |
| May 26 2022                               | +21°07'  | +17°24'      | +08°36'    | -01°12'   | +00°03'      | -14°09'     | +16°16'     | -02°59'      | -22°27'    | +07°46'     | +18°23'        |
| May 27 2022                               | +21°17'  | +17°04'      | +09°01'    | -00°55'   | +00°07'      | -14°09'     | +16°17'     | -02°58'      | -22°27'    | +07°47'     | +18°24'        |
| May 28 2022                               | +21°27'  | +16°45'      | +09°25'    | -00°37'   | +00°10'      | -14°09'     | +16°18'     | -02°58'      | -22°27'    | +07°48'     | +18°24'        |
| May 29 2022                               | +21°36'  | +16°28'      | +09°50'    | -00°20'   | +00°14'      | -14°09'     | +16°19'     | -02°58'      | -22°28'    | +07°49'     | +18°24'        |
| May 30 2022                               | +21°45'  | +16°13'      | +10°14'    | -00°03'   | +00°18'      | -14°09'     | +16°20'     | -02°57'      | -22°28'    | +07°50'     | +18°24'        |
| May 31 2022                               | +21°54'  | +16°00'      | +10°38'    | +00°14'   | +00°22'      | -14°09'     | +16°21'     | -02°57'      | -22°28'    | +07°51'     | +18°23'        |
| Jun 1 2022                                | +22°02'  | +15°49'      | +11°02'    | +00°31'   | +00°25'      | -14°09'     | +16°22'     | -02°57'      | -22°29'    | +07°52'     | +18°23'        |
| Jun 2 2022                                | +22°10'  | +15°41'      | +11°26'    | +00°48'   | +00°29'      | -14°09'     | +16°23'     | -02°56'      | -22°29'    | +07°53'     | +18°22'        |
| Jun 3 2022                                | +22°18'  | +15°34'      | +11°49'    | +01°06'   | +00°32'      | -14°09'     | +16°24'     | -02°56'      | -22°29'    | +07°54'     | +18°21'        |
| Jun 4 2022                                | +22°25'  | +15°29'      | +12°12'    | +01°23'   | +00°36'      | -14°09'     | +16°25'     | -02°56'      | -22°29'    | +07°55'     | +18°21'        |
| Jun 5 2022                                | +22°32'  | +15°27'      | +12°35'    | +01°40'   | +00°39'      | -14°09'     | +16°25'     | -02°56'      | -22°30'    | +07°55'     | +18°20'        |
| Jun 6 2022                                | +22°38'  | +15°27'      | +12°58'    | +01°57'   | +00°42'      | -14°10'     | +16°26'     | -02°55'      | -22°30'    | +07°56'     | +18°19'        |
| Jun 7 2022                                | +22°44'  | +15°29'      | +13°20'    | +02°14'   | +00°46'      | -14°10'     | +16°27'     | -02°55'      | -22°30'    | +07°57'     | +18°19'        |
| Jun 8 2022                                | +22°50'  | +15°32'      | +13°43'    | +02°31'   | +00°49'      | -14°10'     | +16°28'     | -02°55'      | -22°31'    | +07°58'     | +18°19'        |
| Jun 9 2022                                | +22°55'  | +15°38'      | +14°04'    | +02°48'   | +00°52'      | -14°10'     | +16°29'     | -02°55'      | -22°31'    | +07°59'     | +18°19'        |
| Jun 10 2022                               | +23°00'  | +15°46'      | +14°26'    | +03°05'   | +00°55'      | -14°11'     | +16°30'     | -02°54'      | -22°31'    | +08°00'     | +18°20'        |
| Jun 11 2022                               | +23°04'  | +15°55'      | +14°47'    | +03°22'   | +00°58'      | -14°11'     | +16°31'     | -02°54'      | -22°32'    | +08°00'     | +18°20'        |
| Jun 12 2022                               | +23°08'  | +16°06'      | +15°08'    | +03°39'   | +01°01'      | -14°11'     | +16°32'     | -02°54'      | -22°32'    | +08°01'     | +18°20'        |
| Jun 13 2022                               | +23°12'  | +16°19'      | +15°29'    | +03°56'   | +01°04'      | -14°12'     | +16°32'     | -02°54'      | -22°32'    | +08°02'     | +18°20'        |
| Jun 14 2022                               | +23°15'  | +16°33'      | +15°49'    | +04°13'   | +01°07'      | -14°12'     | +16°33'     | -02°54'      | -22°33'    | +08°02'     | +18°20'        |
| Jun 15 2022                               | +23°18'  | +16°48'      | +16°09'    | +04°29'   | +01°10'      | -14°13'     | +16°34'     | -02°54'      | -22°33'    | +08°03'     | +18°19'        |
| Jun 16 2022                               | +23°20'  | +17°05'      | +16°29'    | +04°46'   | +01°13'      | -14°13'     | +16°35'     | -02°54'      | -22°34'    | +08°04'     | +18°18'        |
| Jun 17 2022                               | +23°22'  | +17°23'      | +16°48'    | +05°02'   | +01°15'      | -14°14'     | +16°36'     | -02°53'      | -22°34'    | +08°05'     | +18°17'        |
| Jun 18 2022                               | +23°24'  | +17°41'      | +17°07'    | +05°19'   | +01°18'      | -14°14'     | +16°37'     | -02°53'      | -22°34'    | +08°05'     | +18°16'        |
| Jun 19 2022                               | +23°25'  | +18°01'      | +17°26'    | +05°35'   | +01°21'      | -14°15'     | +16°37'     | -02°53'      | -22°35'    | +08°06'     | +18°15'        |
| Jun 20 2022                               | +23°25'  | +18°21'      | +17°44'    | +05°52'   | +01°23'      | -14°16'     | +16°38'     | -02°53'      | -22°35'    | +08°06'     | +18°14'        |
| Jun 21 2022                               | +23°26'  | +18°42'      | +18°02'    | +06°08'   | +01°26'      | -14°16'     | +16°39'     | -02°53'      | -22°35'    | +08°07'     | +18°14'        |
| Jun 22 2022                               | +23°26'  | +19°03'      | +18°19'    | +06°24'   | +01°28'      | -14°17'     | +16°40'     | -02°53'      | -22°36'    | +08°08'     | +18°14'        |
| Jun 23 2022                               | +23°25'  | +19°25'      | +18°36'    | +06°40'   | +01°30'      | -14°18'     | +16°40'     | -02°53'      | -22°36'    | +08°08'     | +18°14'        |
| Jun 24 2022                               | +23°24'  | +19°47'      | +18°52'    | +06°56'   | +01°33'      | -14°19'     | +16°41'     | -02°53'      | -22°36'    | +08°09'     | +18°15'        |
| Jun 25 2022                               | +23°23'  | +20°09'      | +19°08'    | +07°12'   | +01°35'      | -14°19'     | +16°42'     | -02°53'      | -22°37'    | +08°09'     | +18°15'        |
| Jun 26 2022                               | +23°21'  | +20°31'      | +19°24'    | +07°28'   | +01°37'      | -14°20'     | +16°43'     | -02°53'      | -22°37'    | +08°10'     | +18°15'        |
| Jun 27 2022                               | +23°19'  | +20°53'      | +19°39'    | +07°43'   | +01°39'      | -14°21'     | +16°43'     | -02°53'      | -22°38'    | +08°10'     | +18°14'        |
| Jun 28 2022                               | +23°16'  | +21°14'      | +19°53'    | +07°59'   | +01°41'      | -14°22'     | +16°44'     | -02°53'      | -22°38'    | +08°11'     | +18°13'        |
| Jun 29 2022                               | +23°13'  | +21°34'      | +20°07'    | +08°15'   | +01°43'      | -14°23'     | +16°45'     | -02°53'      | -22°38'    | +08°11'     | +18°11'        |
| Jun 30 2022                               | +23°10'  | +21°54'      | +20°20'    | +08°30'   | +01°45'      | -14°24'     | +16°45'     | -02°53'      | -22°39'    | +08°12'     | +18°09'        |
| Jul 1 2022                                | +23°06'  | +22°13'      | +20°33'    | +08°45'   | +01°47'      | -14°25'     | +16°46'     | -02°53'      | -22°39'    | +08°12'     | +18°07'        |
| Jul 2 2022                                | +23°02'  | +22°30'      | +20°46'    | +09°00'   | +01°48'      | -14°26'     | +16°47'     | -02°53'      | -22°39'    | +08°12'     | +18°05'        |
| Jul 3 2022                                | +22°57'  | +22°46'      | +20°58'    | +09°16'   | +01°50'      | -14°27'     | +16°47'     | -02°54'      | -22°40'    | +08°13'     | +18°02'        |
| Jul 4 2022                                | +22°52'  | +23°01'      | +21°09'    | +09°30'   | +01°52'      | -14°28'     | +16°48'     | -02°54'      | -22°40'    | +08°13'     | +18°01'        |
| Jul 5 2022                                | +22°46'  | +23°14'      | +21°20'    | +09°45'   | +01°53'      | -14°29'     | +16°49'     | -02°54'      | -22°41'    | +08°13'     | +18°00'        |

| EST +05:00<br>Tropical<br>Geocentric Decl | Sun<br>☉ | Mercury<br>☿ | Venus<br>♀ | Mars<br>♂ | Jupiter<br>♃ | Saturn<br>♄ | Uranus<br>♅ | Neptune<br>♆ | Pluto<br>♇ | Chiron<br>♁ | True Node<br>♁ |
|---|----------|--------------|------------|-----------|--------------|-------------|-------------|--------------|------------|-------------|----------------|
| Jul 6 2022                                | +22°41'  | +23°25'      | +21°30'    | +10°00'   | +01°55'      | -14°30'     | +16°49'     | -02°54'      | -22°41'    | +08°14'     | +17°59'        |
| Jul 7 2022                                | +22°34'  | +23°33'      | +21°40'    | +10°15'   | +01°56'      | -14°31'     | +16°50'     | -02°54'      | -22°41'    | +08°14'     | +17°59'        |
| Jul 8 2022                                | +22°28'  | +23°40'      | +21°49'    | +10°29'   | +01°57'      | -14°32'     | +16°51'     | -02°54'      | -22°42'    | +08°14'     | +17°59'        |
| Jul 9 2022                                | +22°21'  | +23°43'      | +21°57'    | +10°44'   | +01°59'      | -14°33'     | +16°51'     | -02°54'      | -22°42'    | +08°14'     | +17°59'        |
| Jul 10 2022                               | +22°13'  | +23°45'      | +22°05'    | +10°58'   | +02°00'      | -14°35'     | +16°52'     | -02°55'      | -22°42'    | +08°15'     | +17°59'        |
| Jul 11 2022                               | +22°06'  | +23°43'      | +22°12'    | +11°12'   | +02°01'      | -14°36'     | +16°52'     | -02°55'      | -22°43'    | +08°15'     | +17°59'        |
| Jul 12 2022                               | +21°58'  | +23°39'      | +22°19'    | +11°26'   | +02°02'      | -14°37'     | +16°53'     | -02°55'      | -22°43'    | +08°15'     | +17°58'        |
| Jul 13 2022                               | +21°49'  | +23°32'      | +22°25'    | +11°40'   | +02°03'      | -14°38'     | +16°53'     | -02°55'      | -22°44'    | +08°15'     | +17°56'        |
| Jul 14 2022                               | +21°40'  | +23°23'      | +22°30'    | +11°54'   | +02°04'      | -14°40'     | +16°54'     | -02°55'      | -22°44'    | +08°15'     | +17°54'        |
| Jul 15 2022                               | +21°31'  | +23°10'      | +22°35'    | +12°07'   | +02°05'      | -14°41'     | +16°55'     | -02°56'      | -22°44'    | +08°16'     | +17°51'        |
| Jul 16 2022                               | +21°21'  | +22°55'      | +22°39'    | +12°21'   | +02°05'      | -14°42'     | +16°55'     | -02°56'      | -22°45'    | +08°16'     | +17°49'        |
| Jul 17 2022                               | +21°11'  | +22°38'      | +22°43'    | +12°34'   | +02°06'      | -14°43'     | +16°56'     | -02°56'      | -22°45'    | +08°16'     | +17°47'        |
| Jul 18 2022                               | +21°01'  | +22°18'      | +22°46'    | +12°47'   | +02°07'      | -14°45'     | +16°56'     | -02°57'      | -22°46'    | +08°16'     | +17°46'        |
| Jul 19 2022                               | +20°50'  | +21°56'      | +22°48'    | +13°00'   | +02°07'      | -14°46'     | +16°56'     | -02°57'      | -22°46'    | +08°16'     | +17°45'        |
| Jul 20 2022                               | +20°39'  | +21°31'      | +22°50'    | +13°13'   | +02°08'      | -14°48'     | +16°57'     | -02°57'      | -22°46'    | +08°16'     | +17°44'        |
| Jul 21 2022                               | +20°28'  | +21°05'      | +22°51'    | +13°26'   | +02°08'      | -14°49'     | +16°57'     | -02°57'      | -22°47'    | +08°16'     | +17°44'        |
| Jul 22 2022                               | +20°16'  | +20°36'      | +22°51'    | +13°39'   | +02°08'      | -14°50'     | +16°58'     | -02°58'      | -22°47'    | +08°16'     | +17°45'        |
| Jul 23 2022                               | +20°04'  | +20°06'      | +22°51'    | +13°51'   | +02°08'      | -14°52'     | +16°58'     | -02°58'      | -22°47'    | +08°16'     | +17°44'        |
| Jul 24 2022                               | +19°51'  | +19°34'      | +22°50'    | +14°04'   | +02°08'      | -14°53'     | +16°59'     | -02°58'      | -22°48'    | +08°16'     | +17°44'        |
| Jul 25 2022                               | +19°39'  | +19°01'      | +22°48'    | +14°16'   | +02°09'      | -14°55'     | +16°59'     | -02°59'      | -22°48'    | +08°16'     | +17°43'        |
| Jul 26 2022                               | +19°26'  | +18°26'      | +22°45'    | +14°28'   | +02°09'      | -14°56'     | +16°59'     | -02°59'      | -22°48'    | +08°16'     | +17°41'        |
| Jul 27 2022                               | +19°12'  | +17°51'      | +22°42'    | +14°40'   | +02°08'      | -14°58'     | +17°00'     | -03°00'      | -22°49'    | +08°16'     | +17°38'        |
| Jul 28 2022                               | +18°58'  | +17°14'      | +22°39'    | +14°52'   | +02°08'      | -14°59'     | +17°00'     | -03°00'      | -22°49'    | +08°16'     | +17°35'        |
| Jul 29 2022                               | +18°44'  | +16°36'      | +22°35'    | +15°03'   | +02°08'      | -15°01'     | +17°01'     | -03°00'      | -22°50'    | +08°15'     | +17°31'        |
| Jul 30 2022                               | +18°30'  | +15°57'      | +22°30'    | +15°15'   | +02°08'      | -15°02'     | +17°01'     | -03°01'      | -22°50'    | +08°15'     | +17°28'        |
| Jul 31 2022                               | +18°15'  | +15°18'      | +22°24'    | +15°26'   | +02°07'      | -15°04'     | +17°01'     | -03°01'      | -22°50'    | +08°15'     | +17°24'        |
| Aug 1 2022                                | +18°00'  | +14°38'      | +22°18'    | +15°37'   | +02°07'      | -15°05'     | +17°02'     | -03°02'      | -22°51'    | +08°15'     | +17°21'        |
| Aug 2 2022                                | +17°45'  | +13°58'      | +22°11'    | +15°49'   | +02°06'      | -15°07'     | +17°02'     | -03°02'      | -22°51'    | +08°15'     | +17°19'        |
| Aug 3 2022                                | +17°30'  | +13°17'      | +22°03'    | +15°59'   | +02°06'      | -15°08'     | +17°02'     | -03°03'      | -22°51'    | +08°14'     | +17°18'        |
| Aug 4 2022                                | +17°14'  | +12°36'      | +21°55'    | +16°10'   | +02°05'      | -15°10'     | +17°02'     | -03°03'      | -22°52'    | +08°14'     | +17°17'        |
| Aug 5 2022                                | +16°58'  | +11°54'      | +21°46'    | +16°21'   | +02°04'      | -15°11'     | +17°03'     | -03°03'      | -22°52'    | +08°14'     | +17°17'        |
| Aug 6 2022                                | +16°41'  | +11°13'      | +21°37'    | +16°31'   | +02°03'      | -15°13'     | +17°03'     | -03°04'      | -22°52'    | +08°13'     | +17°17'        |
| Aug 7 2022                                | +16°25'  | +10°31'      | +21°27'    | +16°41'   | +02°02'      | -15°14'     | +17°03'     | -03°04'      | -22°53'    | +08°13'     | +17°17'        |
| Aug 8 2022                                | +16°08'  | +09°49'      | +21°16'    | +16°51'   | +02°01'      | -15°16'     | +17°03'     | -03°05'      | -22°53'    | +08°13'     | +17°16'        |
| Aug 9 2022                                | +15°51'  | +09°07'      | +21°05'    | +17°01'   | +02°00'      | -15°17'     | +17°04'     | -03°05'      | -22°53'    | +08°12'     | +17°15'        |
| Aug 10 2022                               | +15°33'  | +08°25'      | +20°53'    | +17°11'   | +01°59'      | -15°19'     | +17°04'     | -03°06'      | -22°54'    | +08°12'     | +17°13'        |
| Aug 11 2022                               | +15°16'  | +07°43'      | +20°40'    | +17°21'   | +01°58'      | -15°20'     | +17°04'     | -03°06'      | -22°54'    | +08°12'     | +17°10'        |
| Aug 12 2022                               | +14°58'  | +07°02'      | +20°27'    | +17°30'   | +01°56'      | -15°22'     | +17°04'     | -03°07'      | -22°54'    | +08°11'     | +17°07'        |
| Aug 13 2022                               | +14°40'  | +06°20'      | +20°13'    | +17°40'   | +01°55'      | -15°24'     | +17°04'     | -03°08'      | -22°55'    | +08°11'     | +17°04'        |
| Aug 14 2022                               | +14°21'  | +05°39'      | +19°59'    | +17°49'   | +01°53'      | -15°25'     | +17°04'     | -03°08'      | -22°55'    | +08°10'     | +17°01'        |
| Aug 15 2022                               | +14°03'  | +04°58'      | +19°44'    | +17°58'   | +01°52'      | -15°27'     | +17°05'     | -03°09'      | -22°55'    | +08°10'     | +16°59'        |
| Aug 16 2022                               | +13°44'  | +04°18'      | +19°28'    | +18°07'   | +01°50'      | -15°28'     | +17°05'     | -03°09'      | -22°56'    | +08°09'     | +16°58'        |
| Aug 17 2022                               | +13°25'  | +03°38'      | +19°12'    | +18°15'   | +01°49'      | -15°30'     | +17°05'     | -03°10'      | -22°56'    | +08°09'     | +16°57'        |
| Aug 18 2022                               | +13°06'  | +02°58'      | +18°56'    | +18°24'   | +01°47'      | -15°31'     | +17°05'     | -03°10'      | -22°56'    | +08°08'     | +16°57'        |
| Aug 19 2022                               | +12°46'  | +02°19'      | +18°39'    | +18°32'   | +01°45'      | -15°33'     | +17°05'     | -03°11'      | -22°56'    | +08°08'     | +16°57'        |
| Aug 20 2022                               | +12°26'  | +01°41'      | +18°21'    | +18°41'   | +01°43'      | -15°34'     | +17°05'     | -03°11'      | -22°57'    | +08°07'     | +16°57'        |
| Aug 21 2022                               | +12°07'  | +01°03'      | +18°03'    | +18°49'   | +01°41'      | -15°36'     | +17°05'     | -03°12'      | -22°57'    | +08°06'     | +16°56'        |
| Aug 22 2022                               | +11°47'  | +00°26'      | +17°44'    | +18°57'   | +01°39'      | -15°37'     | +17°05'     | -03°13'      | -22°57'    | +08°06'     | +16°55'        |
| Aug 23 2022                               | +11°26'  | -00°09'      | +17°25'    | +19°04'   | +01°37'      | -15°39'     | +17°05'     | -03°13'      | -22°58'    | +08°05'     | +16°53'        |
| Aug 24 2022                               | +11°06'  | -00°45'      | +17°05'    | +19°12'   | +01°35'      | -15°40'     | +17°05'     | -03°14'      | -22°58'    | +08°05'     | +16°51'        |
| Aug 25 2022                               | +10°45'  | -01°20'      | +16°45'    | +19°19'   | +01°33'      | -15°42'     | +17°05'     | -03°14'      | -22°58'    | +08°04'     | +16°47'        |
| Aug 26 2022                               | +10°24'  | -01°53'      | +16°24'    | +19°27'   | +01°31'      | -15°43'     | +17°05'     | -03°15'      | -22°58'    | +08°03'     | +16°44'        |
| Aug 27 2022                               | +10°04'  | -02°26'      | +16°03'    | +19°34'   | +01°28'      | -15°44'     | +17°05'     | -03°16'      | -22°59'    | +08°03'     | +16°40'        |
| Aug 28 2022                               | +09°42'  | -02°58'      | +15°42'    | +19°41'   | +01°26'      | -15°46'     | +17°05'     | -03°16'      | -22°59'    | +08°02'     | +16°37'        |
| Aug 29 2022                               | +09°21'  | -03°28'      | +15°20'    | +19°48'   | +01°24'      | -15°47'     | +17°05'     | -03°17'      | -22°59'    | +08°01'     | +16°34'        |
| Aug 30 2022                               | +09°00'  | -03°57'      | +14°57'    | +19°55'   | +01°21'      | -15°49'     | +17°05'     | -03°18'      | -22°59'    | +08°00'     | +16°32'        |
| Aug 31 2022                               | +08°38'  | -04°25'      | +14°34'    | +20°01'   | +01°18'      | -15°50'     | +17°05'     | -03°18'      | -23°00'    | +08°00'     | +16°30'        |
| Sep 1 2022                                | +08°17'  | -04°51'      | +14°11'    | +20°08'   | +01°16'      | -15°51'     | +17°05'     | -03°19'      | -23°00'    | +07°59'     | +16°30'        |
| Sep 2 2022                                | +07°55'  | -05°16'      | +13°48'    | +20°14'   | +01°13'      | -15°53'     | +17°04'     | -03°20'      | -23°00'    | +07°58'     | +16°30'        |
| Sep 3 2022                                | +07°33'  | -05°38'      | +13°23'    | +20°20'   | +01°11'      | -15°54'     | +17°04'     | -03°20'      | -23°00'    | +07°57'     | +16°30'        |
| Sep 4 2022                                | +07°11'  | -05°59'      | +12°59'    | +20°26'   | +01°08'      | -15°55'     | +17°04'     | -03°21'      | -23°00'    | +07°56'     | +16°30'        |
| Sep 5 2022                                | +06°49'  | -06°18'      | +12°34'    | +20°32'   | +01°05'      | -15°57'     | +17°04'     | -03°21'      | -23°01'    | +07°55'     | +16°29'        |

| EST +05:00<br>Tropical<br>Geocentric Decl | Sun<br>☉ | Mercury<br>☿ | Venus<br>♀ | Mars<br>♂ | Jupiter<br>♃ | Saturn<br>♄ | Uranus<br>♅ | Neptune<br>♆ | Pluto<br>♇ | Chiron<br>♁ | True Node<br>♁ |
|---|----------|--------------|------------|-----------|--------------|-------------|-------------|--------------|------------|-------------|----------------|
| Sep 6 2022                                | +06°26'  | -06°34'      | +12°09'    | +20°38'   | +01°02'      | -15°58'     | +17°04'     | -03°22'      | -23°01'    | +07°55'     | +16°28'        |
| Sep 7 2022                                | +06°04'  | -06°48'      | +11°44'    | +20°43'   | +00°59'      | -15°59'     | +17°04'     | -03°23'      | -23°01'    | +07°54'     | +16°26'        |
| Sep 8 2022                                | +05°41'  | -06°59'      | +11°18'    | +20°49'   | +00°56'      | -16°00'     | +17°03'     | -03°23'      | -23°01'    | +07°53'     | +16°24'        |
| Sep 9 2022                                | +05°19'  | -07°08'      | +10°52'    | +20°54'   | +00°54'      | -16°02'     | +17°03'     | -03°24'      | -23°01'    | +07°52'     | +16°22'        |
| Sep 10 2022                               | +04°56'  | -07°13'      | +10°25'    | +21°00'   | +00°51'      | -16°03'     | +17°03'     | -03°25'      | -23°02'    | +07°51'     | +16°19'        |
| Sep 11 2022                               | +04°33'  | -07°15'      | +09°59'    | +21°05'   | +00°48'      | -16°04'     | +17°03'     | -03°25'      | -23°02'    | +07°50'     | +16°17'        |
| Sep 12 2022                               | +04°11'  | -07°14'      | +09°32'    | +21°10'   | +00°45'      | -16°05'     | +17°02'     | -03°26'      | -23°02'    | +07°49'     | +16°15'        |
| Sep 13 2022                               | +03°48'  | -07°09'      | +09°04'    | +21°15'   | +00°42'      | -16°06'     | +17°02'     | -03°27'      | -23°02'    | +07°48'     | +16°14'        |
| Sep 14 2022                               | +03°25'  | -07°00'      | +08°37'    | +21°19'   | +00°38'      | -16°07'     | +17°02'     | -03°27'      | -23°02'    | +07°47'     | +16°13'        |
| Sep 15 2022                               | +03°02'  | -06°47'      | +08°09'    | +21°24'   | +00°35'      | -16°09'     | +17°02'     | -03°28'      | -23°03'    | +07°46'     | +16°13'        |
| Sep 16 2022                               | +02°39'  | -06°29'      | +07°41'    | +21°29'   | +00°32'      | -16°10'     | +17°01'     | -03°29'      | -23°03'    | +07°45'     | +16°14'        |
| Sep 17 2022                               | +02°15'  | -06°08'      | +07°13'    | +21°33'   | +00°29'      | -16°11'     | +17°01'     | -03°29'      | -23°03'    | +07°44'     | +16°14'        |
| Sep 18 2022                               | +01°52'  | -05°43'      | +06°45'    | +21°37'   | +00°26'      | -16°12'     | +17°01'     | -03°30'      | -23°03'    | +07°43'     | +16°14'        |
| Sep 19 2022                               | +01°29'  | -05°13'      | +06°16'    | +21°42'   | +00°23'      | -16°13'     | +17°00'     | -03°31'      | -23°03'    | +07°42'     | +16°14'        |
| Sep 20 2022                               | +01°06'  | -04°41'      | +05°47'    | +21°46'   | +00°20'      | -16°14'     | +17°00'     | -03°31'      | -23°03'    | +07°41'     | +16°13'        |
| Sep 21 2022                               | +00°42'  | -04°05'      | +05°18'    | +21°50'   | +00°16'      | -16°15'     | +17°00'     | -03°32'      | -23°03'    | +07°40'     | +16°11'        |
| Sep 22 2022                               | +00°19'  | -03°26'      | +04°49'    | +21°54'   | +00°13'      | -16°15'     | +16°59'     | -03°33'      | -23°04'    | +07°39'     | +16°09'        |
| Sep 23 2022                               | -00°03'  | -02°46'      | +04°20'    | +21°58'   | +00°10'      | -16°16'     | +16°59'     | -03°33'      | -23°04'    | +07°38'     | +16°07'        |
| Sep 24 2022                               | -00°27'  | -02°04'      | +03°50'    | +22°01'   | +00°07'      | -16°17'     | +16°59'     | -03°34'      | -23°04'    | +07°37'     | +16°04'        |
| Sep 25 2022                               | -00°50'  | -01°23'      | +03°21'    | +22°05'   | +00°03'      | -16°18'     | +16°58'     | -03°35'      | -23°04'    | +07°36'     | +16°02'        |
| Sep 26 2022                               | -01°13'  | -00°42'      | +02°51'    | +22°09'   | +00°00'      | -16°19'     | +16°58'     | -03°35'      | -23°04'    | +07°35'     | +16°00'        |
| Sep 27 2022                               | -01°37'  | -00°04'      | +02°21'    | +22°12'   | -00°02'      | -16°20'     | +16°57'     | -03°36'      | -23°04'    | +07°34'     | +15°59'        |
| Sep 28 2022                               | -02°00'  | +00°32'      | +01°51'    | +22°16'   | -00°05'      | -16°20'     | +16°57'     | -03°37'      | -23°04'    | +07°33'     | +15°58'        |
| Sep 29 2022                               | -02°23'  | +01°05'      | +01°22'    | +22°19'   | -00°08'      | -16°21'     | +16°56'     | -03°37'      | -23°04'    | +07°32'     | +15°58'        |
| Sep 30 2022                               | -02°47'  | +01°34'      | +00°52'    | +22°22'   | -00°11'      | -16°22'     | +16°56'     | -03°38'      | -23°04'    | +07°31'     | +15°58'        |
| Oct 1 2022                                | -03°10'  | +01°58'      | +00°21'    | +22°26'   | -00°15'      | -16°22'     | +16°55'     | -03°39'      | -23°04'    | +07°30'     | +15°59'        |
| Oct 2 2022                                | -03°33'  | +02°18'      | -00°08'    | +22°29'   | -00°18'      | -16°23'     | +16°55'     | -03°39'      | -23°04'    | +07°29'     | +15°59'        |
| Oct 3 2022                                | -03°57'  | +02°32'      | -00°38'    | +22°32'   | -00°21'      | -16°24'     | +16°54'     | -03°40'      | -23°04'    | +07°27'     | +15°59'        |
| Oct 4 2022                                | -04°20'  | +02°41'      | -01°08'    | +22°35'   | -00°24'      | -16°24'     | +16°54'     | -03°40'      | -23°05'    | +07°26'     | +15°59'        |
| Oct 5 2022                                | -04°43'  | +02°45'      | -01°38'    | +22°38'   | -00°27'      | -16°25'     | +16°53'     | -03°41'      | -23°05'    | +07°25'     | +15°58'        |
| Oct 6 2022                                | -05°06'  | +02°44'      | -02°08'    | +22°41'   | -00°30'      | -16°25'     | +16°53'     | -03°42'      | -23°05'    | +07°24'     | +15°57'        |
| Oct 7 2022                                | -05°29'  | +02°38'      | -02°38'    | +22°44'   | -00°33'      | -16°26'     | +16°52'     | -03°42'      | -23°05'    | +07°23'     | +15°56'        |
| Oct 8 2022                                | -05°52'  | +02°28'      | -03°08'    | +22°47'   | -00°36'      | -16°26'     | +16°52'     | -03°43'      | -23°05'    | +07°22'     | +15°55'        |
| Oct 9 2022                                | -06°15'  | +02°12'      | -03°38'    | +22°50'   | -00°39'      | -16°26'     | +16°51'     | -03°43'      | -23°05'    | +07°21'     | +15°53'        |
| Oct 10 2022                               | -06°37'  | +01°53'      | -04°08'    | +22°53'   | -00°42'      | -16°27'     | +16°51'     | -03°44'      | -23°05'    | +07°20'     | +15°53'        |
| Oct 11 2022                               | -07°00'  | +01°31'      | -04°38'    | +22°55'   | -00°45'      | -16°27'     | +16°50'     | -03°45'      | -23°05'    | +07°18'     | +15°52'        |
| Oct 12 2022                               | -07°23'  | +01°05'      | -05°08'    | +22°58'   | -00°48'      | -16°27'     | +16°50'     | -03°45'      | -23°05'    | +07°17'     | +15°52'        |
| Oct 13 2022                               | -07°45'  | +00°35'      | -05°37'    | +23°01'   | -00°50'      | -16°28'     | +16°49'     | -03°46'      | -23°05'    | +07°16'     | +15°52'        |
| Oct 14 2022                               | -08°07'  | +00°04'      | -06°07'    | +23°04'   | -00°53'      | -16°28'     | +16°48'     | -03°46'      | -23°05'    | +07°15'     | +15°53'        |
| Oct 15 2022                               | -08°30'  | -00°29'      | -06°36'    | +23°06'   | -00°56'      | -16°28'     | +16°48'     | -03°47'      | -23°05'    | +07°14'     | +15°53'        |
| Oct 16 2022                               | -08°52'  | -01°05'      | -07°06'    | +23°09'   | -00°59'      | -16°28'     | +16°47'     | -03°47'      | -23°05'    | +07°13'     | +15°54'        |
| Oct 17 2022                               | -09°14'  | -01°42'      | -07°35'    | +23°12'   | -01°01'      | -16°29'     | +16°47'     | -03°48'      | -23°05'    | +07°12'     | +15°54'        |
| Oct 18 2022                               | -09°36'  | -02°21'      | -08°04'    | +23°15'   | -01°04'      | -16°29'     | +16°46'     | -03°48'      | -23°05'    | +07°11'     | +15°54'        |
| Oct 19 2022                               | -09°57'  | -03°00'      | -08°33'    | +23°17'   | -01°06'      | -16°29'     | +16°45'     | -03°49'      | -23°05'    | +07°09'     | +15°54'        |
| Oct 20 2022                               | -10°19'  | -03°41'      | -09°01'    | +23°20'   | -01°09'      | -16°29'     | +16°45'     | -03°49'      | -23°05'    | +07°08'     | +15°53'        |
| Oct 21 2022                               | -10°40'  | -04°22'      | -09°30'    | +23°23'   | -01°11'      | -16°29'     | +16°44'     | -03°50'      | -23°05'    | +07°07'     | +15°53'        |
| Oct 22 2022                               | -11°02'  | -05°04'      | -09°58'    | +23°25'   | -01°13'      | -16°29'     | +16°44'     | -03°50'      | -23°04'    | +07°06'     | +15°52'        |
| Oct 23 2022                               | -11°23'  | -05°46'      | -10°26'    | +23°28'   | -01°16'      | -16°29'     | +16°43'     | -03°51'      | -23°04'    | +07°05'     | +15°51'        |
| Oct 24 2022                               | -11°44'  | -06°28'      | -10°54'    | +23°31'   | -01°18'      | -16°29'     | +16°42'     | -03°51'      | -23°04'    | +07°04'     | +15°51'        |
| Oct 25 2022                               | -12°05'  | -07°10'      | -11°21'    | +23°33'   | -01°20'      | -16°29'     | +16°42'     | -03°52'      | -23°04'    | +07°03'     | +15°51'        |
| Oct 26 2022                               | -12°25'  | -07°53'      | -11°48'    | +23°36'   | -01°22'      | -16°29'     | +16°41'     | -03°52'      | -23°04'    | +07°02'     | +15°50'        |
| Oct 27 2022                               | -12°46'  | -08°35'      | -12°15'    | +23°39'   | -01°24'      | -16°28'     | +16°40'     | -03°53'      | -23°04'    | +07°01'     | +15°50'        |
| Oct 28 2022                               | -13°06'  | -09°16'      | -12°42'    | +23°41'   | -01°26'      | -16°28'     | +16°40'     | -03°53'      | -23°04'    | +07°00'     | +15°51'        |
| Oct 29 2022                               | -13°26'  | -09°58'      | -13°08'    | +23°44'   | -01°28'      | -16°28'     | +16°39'     | -03°54'      | -23°04'    | +06°59'     | +15°51'        |
| Oct 30 2022                               | -13°46'  | -10°38'      | -13°34'    | +23°47'   | -01°29'      | -16°28'     | +16°38'     | -03°54'      | -23°04'    | +06°57'     | +15°51'        |
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| Nov 1 2022                                | -14°24'  | -11°59'      | -14°26'    | +23°52'   | -01°33'      | -16°27'     | +16°37'     | -03°55'      | -23°04'    | +06°55'     | +15°51'        |
| Nov 2 2022                                | -14°44'  | -12°38'      | -14°51'    | +23°55'   | -01°34'      | -16°27'     | +16°36'     | -03°55'      | -23°04'    | +06°54'     | +15°51'        |
| Nov 3 2022                                | -15°02'  | -13°17'      | -15°15'    | +23°58'   | -01°36'      | -16°26'     | +16°35'     | -03°56'      | -23°03'    | +06°53'     | +15°51'        |
| Nov 4 2022                                | -15°21'  | -13°55'      | -15°39'    | +24°01'   | -01°37'      | -16°26'     | +16°35'     | -03°56'      | -23°03'    | +06°52'     | +15°51'        |
| Nov 5 2022                                | -15°39'  | -14°32'      | -16°03'    | +24°03'   | -01°39'      | -16°25'     | +16°34'     | -03°56'      | -23°03'    | +06°51'     | +15°51'        |
| Nov 6 2022                                | -15°57'  | -15°09'      | -16°27'    | +24°06'   | -01°40'      | -16°25'     | +16°33'     | -03°57'      | -23°03'    | +06°50'     | +15°51'        |

| EST +05:00<br>Tropical<br>Geocentric Decl | Sun<br>☉ | Mercury<br>☿ | Venus<br>♀ | Mars<br>♂ | Jupiter<br>♃ | Saturn<br>♄ | Uranus<br>♅ | Neptune<br>♆ | Pluto<br>♇ | Chiron<br>♁ | True Node<br>♁ |
|---|----------|--------------|------------|-----------|--------------|-------------|-------------|--------------|------------|-------------|----------------|
| Nov 7 2022                                | -16°15'  | -15°44'      | -16°50'    | +24°09'   | -01°41'      | -16°24'     | +16°33'     | -03°57'      | -23°03'    | +06°49'     | +15°51'        |
| Nov 8 2022                                | -16°33'  | -16°19'      | -17°12'    | +24°11'   | -01°42'      | -16°24'     | +16°32'     | -03°57'      | -23°03'    | +06°48'     | +15°51'        |
| Nov 9 2022                                | -16°50'  | -16°54'      | -17°34'    | +24°14'   | -01°43'      | -16°23'     | +16°31'     | -03°58'      | -23°03'    | +06°47'     | +15°51'        |
| Nov 10 2022                               | -17°07'  | -17°27'      | -17°56'    | +24°17'   | -01°44'      | -16°23'     | +16°31'     | -03°58'      | -23°03'    | +06°46'     | +15°51'        |
| Nov 11 2022                               | -17°24'  | -17°59'      | -18°17'    | +24°19'   | -01°45'      | -16°22'     | +16°30'     | -03°58'      | -23°02'    | +06°46'     | +15°51'        |
| Nov 12 2022                               | -17°40'  | -18°31'      | -18°38'    | +24°22'   | -01°46'      | -16°21'     | +16°29'     | -03°58'      | -23°02'    | +06°45'     | +15°51'        |
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| Nov 14 2022                               | -18°12'  | -19°31'      | -19°17'    | +24°27'   | -01°47'      | -16°20'     | +16°28'     | -03°59'      | -23°02'    | +06°43'     | +15°50'        |
| Nov 15 2022                               | -18°28'  | -20°00'      | -19°36'    | +24°30'   | -01°47'      | -16°19'     | +16°27'     | -03°59'      | -23°02'    | +06°42'     | +15°50'        |
| Nov 16 2022                               | -18°43'  | -20°28'      | -19°55'    | +24°32'   | -01°48'      | -16°18'     | +16°26'     | -03°59'      | -23°02'    | +06°41'     | +15°50'        |
| Nov 17 2022                               | -18°58'  | -20°55'      | -20°13'    | +24°34'   | -01°48'      | -16°17'     | +16°26'     | -03°59'      | -23°01'    | +06°40'     | +15°50'        |
| Nov 18 2022                               | -19°12'  | -21°20'      | -20°30'    | +24°37'   | -01°49'      | -16°17'     | +16°25'     | -04°00'      | -23°01'    | +06°39'     | +15°50'        |
| Nov 19 2022                               | -19°26'  | -21°45'      | -20°47'    | +24°39'   | -01°49'      | -16°16'     | +16°24'     | -04°00'      | -23°01'    | +06°39'     | +15°50'        |
| Nov 20 2022                               | -19°40'  | -22°08'      | -21°03'    | +24°41'   | -01°49'      | -16°15'     | +16°24'     | -04°00'      | -23°01'    | +06°38'     | +15°50'        |
| Nov 21 2022                               | -19°54'  | -22°31'      | -21°19'    | +24°43'   | -01°49'      | -16°14'     | +16°23'     | -04°00'      | -23°01'    | +06°37'     | +15°51'        |
| Nov 22 2022                               | -20°07'  | -22°52'      | -21°34'    | +24°45'   | -01°49'      | -16°13'     | +16°22'     | -04°00'      | -23°00'    | +06°36'     | +15°51'        |
| Nov 23 2022                               | -20°19'  | -23°13'      | -21°49'    | +24°47'   | -01°49'      | -16°12'     | +16°22'     | -04°00'      | -23°00'    | +06°35'     | +15°51'        |
| Nov 24 2022                               | -20°32'  | -23°32'      | -22°02'    | +24°48'   | -01°48'      | -16°11'     | +16°21'     | -04°01'      | -23°00'    | +06°35'     | +15°51'        |
| Nov 25 2022                               | -20°44'  | -23°49'      | -22°16'    | +24°50'   | -01°48'      | -16°10'     | +16°20'     | -04°01'      | -23°00'    | +06°34'     | +15°50'        |
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| Nov 27 2022                               | -21°06'  | -24°21'      | -22°40'    | +24°53'   | -01°47'      | -16°07'     | +16°19'     | -04°01'      | -22°59'    | +06°33'     | +15°48'        |
| Nov 28 2022                               | -21°17'  | -24°36'      | -22°51'    | +24°54'   | -01°47'      | -16°06'     | +16°18'     | -04°01'      | -22°59'    | +06°32'     | +15°48'        |
| Nov 29 2022                               | -21°27'  | -24°48'      | -23°01'    | +24°55'   | -01°46'      | -16°05'     | +16°18'     | -04°01'      | -22°59'    | +06°31'     | +15°47'        |
| Nov 30 2022                               | -21°37'  | -25°00'      | -23°11'    | +24°56'   | -01°45'      | -16°04'     | +16°17'     | -04°01'      | -22°59'    | +06°31'     | +15°47'        |
| Dec 1 2022                                | -21°47'  | -25°10'      | -23°20'    | +24°57'   | -01°44'      | -16°03'     | +16°16'     | -04°01'      | -22°58'    | +06°30'     | +15°47'        |
| Dec 2 2022                                | -21°56'  | -25°19'      | -23°29'    | +24°58'   | -01°44'      | -16°01'     | +16°16'     | -04°01'      | -22°58'    | +06°29'     | +15°47'        |
| Dec 3 2022                                | -22°05'  | -25°27'      | -23°36'    | +24°58'   | -01°43'      | -16°00'     | +16°15'     | -04°01'      | -22°58'    | +06°29'     | +15°48'        |
| Dec 4 2022                                | -22°13'  | -25°33'      | -23°43'    | +24°59'   | -01°41'      | -15°59'     | +16°15'     | -04°01'      | -22°58'    | +06°28'     | +15°48'        |
| Dec 5 2022                                | -22°21'  | -25°38'      | -23°49'    | +24°59'   | -01°40'      | -15°57'     | +16°14'     | -04°01'      | -22°57'    | +06°28'     | +15°48'        |
| Dec 6 2022                                | -22°28'  | -25°41'      | -23°55'    | +24°59'   | -01°39'      | -15°56'     | +16°13'     | -04°01'      | -22°57'    | +06°27'     | +15°48'        |
| Dec 7 2022                                | -22°35'  | -25°43'      | -24°00'    | +24°59'   | -01°38'      | -15°55'     | +16°13'     | -04°01'      | -22°57'    | +06°27'     | +15°48'        |
| Dec 8 2022                                | -22°42'  | -25°43'      | -24°04'    | +24°59'   | -01°36'      | -15°53'     | +16°12'     | -04°01'      | -22°57'    | +06°26'     | +15°47'        |
| Dec 9 2022                                | -22°48'  | -25°42'      | -24°07'    | +24°59'   | -01°35'      | -15°52'     | +16°12'     | -04°01'      | -22°56'    | +06°26'     | +15°45'        |
| Dec 10 2022                               | -22°54'  | -25°40'      | -24°10'    | +24°58'   | -01°33'      | -15°50'     | +16°11'     | -04°00'      | -22°56'    | +06°25'     | +15°43'        |
| Dec 11 2022                               | -22°59'  | -25°36'      | -24°11'    | +24°58'   | -01°32'      | -15°49'     | +16°11'     | -04°00'      | -22°56'    | +06°25'     | +15°41'        |
| Dec 12 2022                               | -23°04'  | -25°30'      | -24°12'    | +24°57'   | -01°30'      | -15°47'     | +16°10'     | -04°00'      | -22°55'    | +06°24'     | +15°39'        |
| Dec 13 2022                               | -23°08'  | -25°24'      | -24°13'    | +24°57'   | -01°28'      | -15°46'     | +16°10'     | -04°00'      | -22°55'    | +06°24'     | +15°37'        |
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| Dec 15 2022                               | -23°15'  | -25°06'      | -24°11'    | +24°55'   | -01°25'      | -15°43'     | +16°09'     | -04°00'      | -22°55'    | +06°23'     | +15°35'        |
| Dec 16 2022                               | -23°18'  | -24°55'      | -24°09'    | +24°54'   | -01°23'      | -15°41'     | +16°08'     | -03°59'      | -22°54'    | +06°23'     | +15°34'        |
| Dec 17 2022                               | -23°20'  | -24°42'      | -24°06'    | +24°53'   | -01°21'      | -15°39'     | +16°08'     | -03°59'      | -22°54'    | +06°23'     | +15°34'        |
| Dec 18 2022                               | -23°22'  | -24°29'      | -24°03'    | +24°52'   | -01°18'      | -15°38'     | +16°07'     | -03°59'      | -22°54'    | +06°22'     | +15°35'        |
| Dec 19 2022                               | -23°24'  | -24°14'      | -23°59'    | +24°51'   | -01°16'      | -15°36'     | +16°07'     | -03°59'      | -22°53'    | +06°22'     | +15°35'        |
| Dec 20 2022                               | -23°25'  | -23°58'      | -23°54'    | +24°49'   | -01°14'      | -15°34'     | +16°06'     | -03°59'      | -22°53'    | +06°22'     | +15°35'        |
| Dec 21 2022                               | -23°26'  | -23°42'      | -23°48'    | +24°48'   | -01°12'      | -15°32'     | +16°06'     | -03°58'      | -22°53'    | +06°22'     | +15°35'        |
| Dec 22 2022                               | -23°26'  | -23°24'      | -23°42'    | +24°47'   | -01°09'      | -15°31'     | +16°05'     | -03°58'      | -22°53'    | +06°22'     | +15°34'        |
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| Dec 24 2022                               | -23°24'  | -22°47'      | -23°27'    | +24°44'   | -01°04'      | -15°27'     | +16°04'     | -03°57'      | -22°52'    | +06°21'     | +15°30'        |
| Dec 25 2022                               | -23°23'  | -22°28'      | -23°18'    | +24°43'   | -01°01'      | -15°25'     | +16°04'     | -03°57'      | -22°52'    | +06°21'     | +15°28'        |
| Dec 26 2022                               | -23°21'  | -22°09'      | -23°09'    | +24°42'   | -00°59'      | -15°23'     | +16°04'     | -03°57'      | -22°51'    | +06°21'     | +15°25'        |
| Dec 27 2022                               | -23°19'  | -21°50'      | -22°59'    | +24°40'   | -00°56'      | -15°22'     | +16°03'     | -03°56'      | -22°51'    | +06°21'     | +15°23'        |
| Dec 28 2022                               | -23°16'  | -21°31'      | -22°48'    | +24°39'   | -00°53'      | -15°20'     | +16°03'     | -03°56'      | -22°51'    | +06°21'     | +15°22'        |
| Dec 29 2022                               | -23°13'  | -21°14'      | -22°37'    | +24°38'   | -00°50'      | -15°18'     | +16°03'     | -03°56'      | -22°50'    | +06°21'     | +15°21'        |
| Dec 30 2022                               | -23°09'  | -20°57'      | -22°25'    | +24°37'   | -00°47'      | -15°16'     | +16°02'     | -03°55'      | -22°50'    | +06°21'     | +15°21'        |
| Dec 31 2022                               | -23°05'  | -20°41'      | -22°12'    | +24°36'   | -00°44'      | -15°14'     | +16°02'     | -03°55'      | -22°50'    | +06°21'     | +15°21'        |