

1886.]

RELIABLE ALMANAC.

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NEPTUNE.—Retrograde till February 1st, direct till August, 31' and retrograde to the end of the year, in conjunction with the Sun May 15th.

Table of Interplanetary Conjunctions during the year 1886.

	Mercury	Venus	Mars	Jupiter	Saturn	Uranus	Neptun
Mercury	x	Feb. 18, } 66° 2 S } Dec. 31, } 74° N }		Oct. 3, } 22° S }	June 20, } 13° 6 N }	Sept 29, } 34° N }	May 30 } 32 N }
Venus	Feb. 18, } 6° 8 2 N } Dec 3, 74° S }	x		Oct. 22, } 18° N }	Aug. 8, } 1° S }	Oct. 14, } 52° N }	Jun 26 } 28° S }
Mars			x	June 28, } 59 S }		July 9, } 34° S }	
Jupiter	Oct. 3, } 22° N }	Oct. 22, } 18° S }	June 28, } 59 N }	x		Aug. 16 } 31° N }	
Saturn	June 20, } 13° 6 S }	Aug. 8, } 1° N }			x		
Uranus	Sept 29, } 34 S }	Oct. 14, } 52 S }	July 9, } 24 N }	Aug. 16, } 31° S }		x	
Neptune	May 30, } 32 S }	June 26, } 28 N }					x

To estimate the distance given in the above table, 31' may be taken as equal to the Mean Apparent diameter of the Moon. At their conjunction on August 8th, Venus and Saturn being but 1' apart, would appear to the eye as one star, and they may be so seen in the East just before sunrise that morning. An interesting grouping of Jupiter, Mars and Uranus will be seen in the early part of July.

OCCULTATIONS.

There will be eighteen occultations of Planets by the Moon, one of Mercury, May 1st; two of Venus, January 7th, April 30th; one of Mars, June 9th; of Jupiter, eight, January 25th, February 20th, March 20th, April 16th, May 13th, June 9th, July 7th, August 3rd; and six of Uranus occurring a few hours after the first six of Jupiter. The actual occurrence will not be observable here, happening either in broad daylight or when the Moon is below the horizon.