

## PLANETS.

**MERCURY.**—Mercury will be at his greatest angular distance west of the Sun as a morning star, and to the east as an evening star at the following dates: January 8th  $23^{\circ} 21'$  West, March 21st,  $18^{\circ} 31'$  East, May 6th,  $26^{\circ} 16'$  West, July 18th,  $26^{\circ} 52'$  East, September 1st,  $18^{\circ} 5'$  West, November 13th,  $22^{\circ} 29'$  East, and December 22nd,  $21^{\circ} 52'$  West, between these dates his motion will be retrograde and direct alternately passing the Sun in conjunction inferior or superior according as the planets motion is retrograde or direct.

**VENUS.**—Venus at the beginning of the year an Evening Star, with direct apparent motion (that is from west to east) till January 26th, then retrograde till March 7th, and direct to the end of the year coming to inferior conjunction with the Sun February 18th, in superior conjunction December 2nd.

**MARS.**—His motion will be retrograde till April 17th, afterwards direct. He will be in opposition to the Sun March 6th, coming to the meridian at midnight at his greatest brightness and least distance from the earth.

**JUPITER.**—Jupiter begins the year with direct motion till 20th January, retrograde till 23rd May, after which direct to the end of the year. He comes in conjunction with the Sun October, re-appearing as a Morning Star at the end of the month.

**SATURN.**—Having just passed his opposition to the Sun (Dec. 25), commences the year with retrograde motion, so continuing till March 2nd, after which direct to the end of the year, he will be in conjunction with the Sun July 3rd, reappearing as a Morning Star about the end of the month.

**URANUS.**—Uranus commences the year with retrograde motion till January 13th, till he retrograde till June 10th, then direct to the end of the year. This minute planet may be looked for during the first half of the year a little to the eastward of Jupiter and Mars and may be recognized at the times of his conjunction with those planets on July 9th,  $34'$  due north of Mars, and August 16th,  $31'$  (=the Moon's diameter) due south of Jupiter.