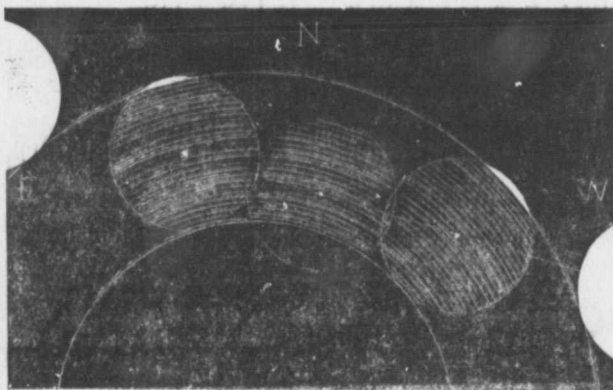


*Diagram of the Lunar Eclipse October 16th, 1883,
showing the track of the Moon from West to
East through the Earth's Shadow.*



IV. An Annular Eclipse of the Sun, October 30th. Greenwich mean time of conjunction, 11h. 36m. 46.1 sec., to North Pacific Ocean, partially visible in the morning, China, Japan and the Philippines, in the evening, west of Rocky Mountains, North America.

PLANETS.

MERCURY.—Mercury will be at his greatest apparent elongation from the Sun, towards the West rising before, towards the East setting after the Sun on the following days : Jan. 21st, East, March 3rd, West, May 14th, East, July 1st, West, Sept. 10th, East, October 22nd, West.

VENUS.—Venus, motion direct throughout the year, a Morning Star previous to her superior conjunction with the Sun, September 20th, after which she will reappear as an Evening Star to the end of the year, at greatest brilliancy January 10.

MARS.—Mars, motion direct throughout the year, till December 23rd, first appearing a Morning Star about the end of February.