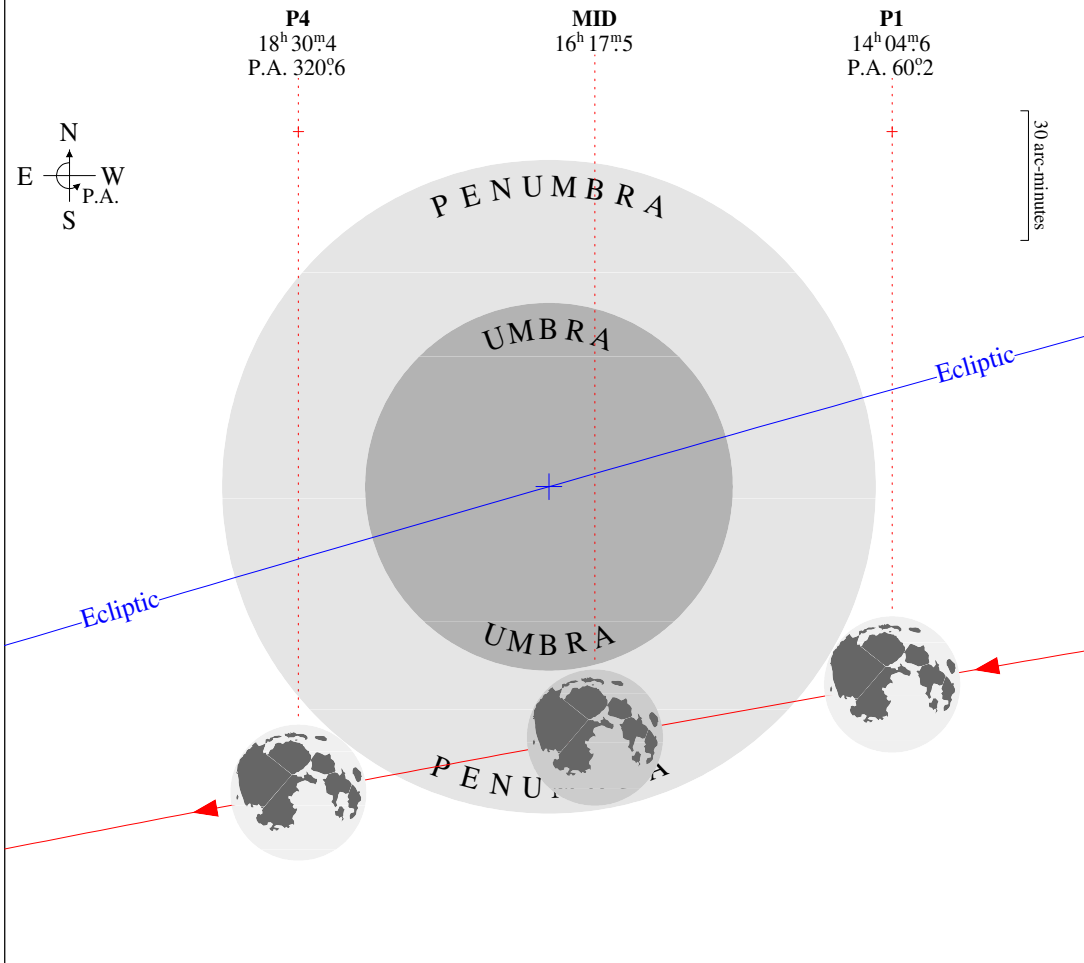


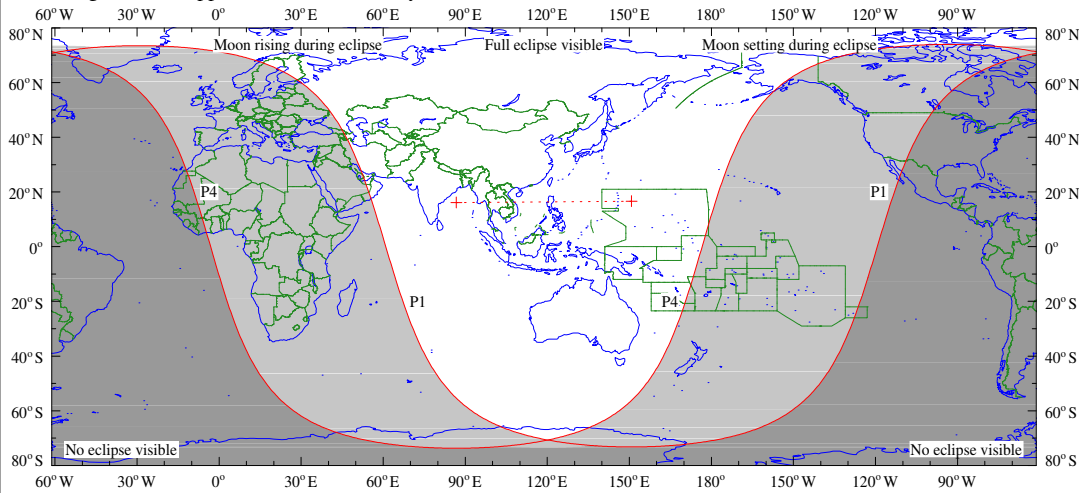
I. - Penumbral Eclipse of the Moon

1999 January 31



UT of geocentric opposition in RA: January 31^d 16^h 38^m 3^s.779

Penumbral magnitude of the eclipse: 1.028



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Areas of visibility of the eclipse at different stages

$\Delta T = +63:5$