Penumbral Lunar Eclipse of 2012 Nov 28

Geocentric Conjunction = 14:23:48.2 UT J.D. = 2456260.09986
Greatest Eclipse = 14:32:56.0 UT J.D. = 2456260.10620

Penumbral Magnitude = 0.9416 P. Radius = 1.1940° Gamma = -1.0871
Umbral Magnitude = -0.1832 U. Radius = 0.6427° Axis = 0.9775°

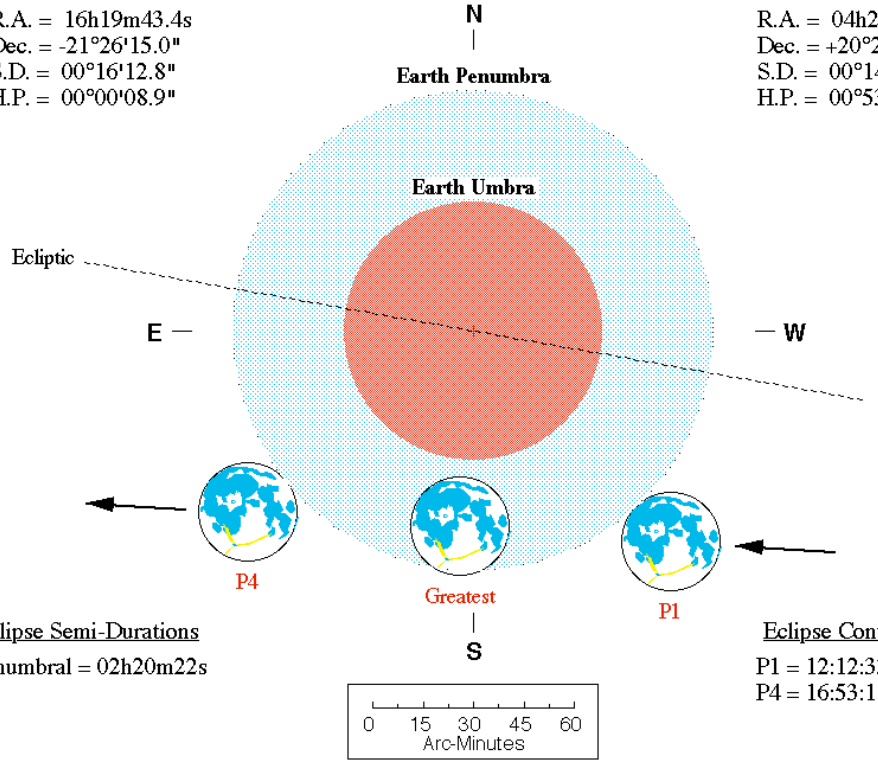
Saros Series = 145 Member = 11 of 71

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 16h19m43.4s
Dec. = -21°26'15.0"
S.D. = 00°16'12.8"
H.P. = 00°00'08.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 04h20m01.0s
Dec. = +20°27'44.2"
S.D. = 00°14'42.2"
H.P. = 00°53'57.7"



Eclipse Semi-Durations
Penumbral = 02h20m22s

Eclipse Contacts
P1 = 12:12:33 UT
P4 = 16:53:18 UT

Eph. = Newcomb/ILE
ΔT = 69.5 s

F. Espenak, NASA's GSFC - 2004 Jul 07
http://sunearth.gsfc.nasa.gov/eclipse/eclipse.html