Penumbral Lunar Eclipse of 2056 Dec 22

Eclipsic Conjunction = 01:35:23.2 TD (≈ 01:33:36.0 UT)
Greatest Eclipse = 01:48:55.7 TD (≈ 01:47:08.5 UT)

Penumbral Magnitude = 0.7857    P. Radius = 1.1895°    Gamma = -1.1559
Umbral Magnitude = -0.3109    U. Radius = 0.6475°    Axis = 1.0483°

Saros Series = 116    Member = 60 of 73

Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 13h04m03.3s
Dec. = -23°25'40.9"
S.D. = 00°18'15.5"
H.P. = 00°00’06.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 06h04m28.2s
Dec. = +22°23’02.7"
S.D. = 00°14’49.6"
H.P. = 00°54’24.9"

Eclipse Durations
Penumbral = 04h16m27s

ΔT = 107 s
Rule = Cdt (Danjon)
Eph. = VSOP87/ELP2000-85

F. Espenak, NASA’s GSFC
eclipse.gsfc.nasa.gov/eclipse.html

eclipse at Moonrise
At Eclipse Visible
Eclipse at Moonset
No Eclipse Visible

2003 Apr 23