Penumbral Lunar Eclipse of 2009 Feb 09

Ecliptic Conjunction = 14:50:15.4 TD ( = 14:49:09.6 UT )
Greatest Eclipse = 14:39:20.6 TD ( = 14:38:14.9 UT )

Penumbral Magnitude = 0.8995  P. Radius = 1.2866°  Gamma = -1.0639
Umbral Magnitude = -0.0881  U. Radius = 0.7463°  Axis = 1.0680°

Saros Series = 143  Member = 18 of 73

Sun at Greatest Eclipse
(geocentric coordinates)
R.A. = 21h33m30.0s
Dec. = -14°30'07.1"
S.D. = 00°16'12.6"
H.P. = 00°00'08.9"

Moon at Greatest Eclipse
(geocentric coordinates)
R.A. = 09h31m42.1s
Dec. = +13°31'37.6"
S.D. = 00°16'24.8"
H.P. = 01°00'14.2"

Eclipse Semi-Durations
Penumbral = 01h59m27s

ΔT = 65.7 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC
http://eclipse.gsfc.nasa.gov/eclipse.html

All Eclipse Visible
Eclipse at MoonRise
No Eclipse Visible
Eclipse at MoonSet

Figure 3