Penumbral Lunar Eclipse of 2035 Feb 22

Ecliptic Conjunction = 08:55:06.5 TD \( (= 09:53:45.4 \text{ UT}) \)
Greatest Eclipse = 09:06:12.0 TD \( (= 09:04:50.9 \text{ UT}) \)

Penumbral Magnitude = 0.9652 \( \text{P. Radius} = 1.2527^\circ \) \( \text{Gamma} = -1.0367 \)
Umbral Magnitude = -0.0695 \( \text{U. Radius} = 0.7137^\circ \) \( \text{Axis} = 1.0066^\circ \)

Saros Series = 114 \ Member = 60 of 71

Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 22h21m34.2s
Dec. = -10\degree 11'53.8"
S.D. = 00\degree 16'10.2"
H.P. = 00\degree 00'08.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 10h20m48.3s
Dec. = +09\degree 13'43.4"
S.D. = 00\degree 15'52.5"
H.P. = 00\degree 58'15.8"

Eclipse Durations
Penumbral = 04h15m40s

\[ \Delta T = 81 \text{ s} \]
Rule = Cdt (Danjon)
Eph. = VSOP87/ELP2000-85

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

Eclipse Contacts
P1 = 06:56:59 UT
P4 = 11:12:39 UT

*At Eclipse Visible*
*No Eclipse Visible*
*Eclipse at MoonSet*