Penumbral Lunar Eclipse of 1984 Jun 13

Ecliptic Conjunction = 14:42:41.5 TD  (14:41:47.5 UT)
Greatest Eclipse = 14:26:39.3 TD  (14:25:45.3 UT)

Penumbral Magnitude = 0.0647  P. Radius = 1.2318°  Gamma = 1.5239
Umbral Magnitude = -0.9414  U. Radius = 0.7069°  Axis = 1.4589°

Saros Series = 149  Member = 1 of 72

Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 05h28m22.3s
Dec. = +23°14'34.9"
S.D. = 00°15'44.8"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 17h27m24.9s
Dec. = -24°41'08.0"
S.D. = 00°15'39.1"
H.P. = 00°57'26.4"

Eclipse Durations
Penumbral = 01h13m00s

ΔT = 54 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

Eclipse Contacts
P1 = 13:19:05 UT
P4 = 15:02:05 UT

Latitude 0°  30°  60°  N
Longitude 0°  60°  120°  W

Eclipse at Moonset
No Eclipse Visible
Eclipse at Moonrise
All Eclipse Visible