Penumbra Lunar Eclipse of 2092 Aug 17

Ecliptic Conjunction = 09:25:06.9 TD  (09:22:01.6 UT)
Greatest Eclipse = 09:13:59.1 TD  (09:10:53.7 UT)

Penumbral Magnitude = 0.9131  P. Radius = 1.2527°  Gamma = -1.0568
Umbral Magnitude = -0.0757  U. Radius = 0.7261°  Axis = 1.0327°

Saros Series = 149  Member = 7 of 72

Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 09h51m02.7s
Dec. = +13°00'50.1"
S.D. = 00°15'47.9"
H.P. = 00°00'06.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 21h52m04.9s
Dec. = -14°00'55.6"
S.D. = 00°15'58.5"
H.P. = 00°58'37.9"

Eclipse Durations
Penumbral = 04h06m42s

Eclipse Contacts
P1 = 07:07:29 UT
P4 = 11:14:11 UT

ΔT = 185 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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