Penumbral Lunar Eclipse of 2016 Sep 16

Ecliptic Conjunction = 19:06:14.1 TD (= 19:05:04.2 UT)
Greatest Eclipse = 18:55:26.6 TD (= 18:54:16.8 UT)

Penumbral Magnitude = 0.9080   P. Radius = 1.2795°  Gamma = -1.0518
Umbral Magnitude = -0.0035   U. Radius = 0.7491°  Axis = 1.0568°

Saros Series = 147  Member = 9 of 71

Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 11h29m09.7s
Dec. = +02°15'14.1"
S.D. = 00"15'54.8"
H.P. = 00°00'00.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 23h40m27.3s
Dec. = -03°15'36.6"
S.D. = 00"16'22.7"
H.P. = 01°00'00.7"

Eclipse Durations
Penumbral = 03h59m16s

ΔT = 70 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

Eclipse Contacts
P1 = 16:54:40 UT
P4 = 20:33:57 UT

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

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