

Figure 3

Partial Lunar Eclipse of 2017 Aug 07

Ecliptic Conjunction = 18:11:45.1 TD (= 18:10:36.9 UT)

Greatest Eclipse = 18:21:37.3 TD (= 18:20:29.1 UT)

Penumbral Magnitude = 1.2887 P. Radius = 1.2003° Gamma = 0.8668
 Umbral Magnitude = 0.2465 U. Radius = 0.6745° Axis = 0.8024°

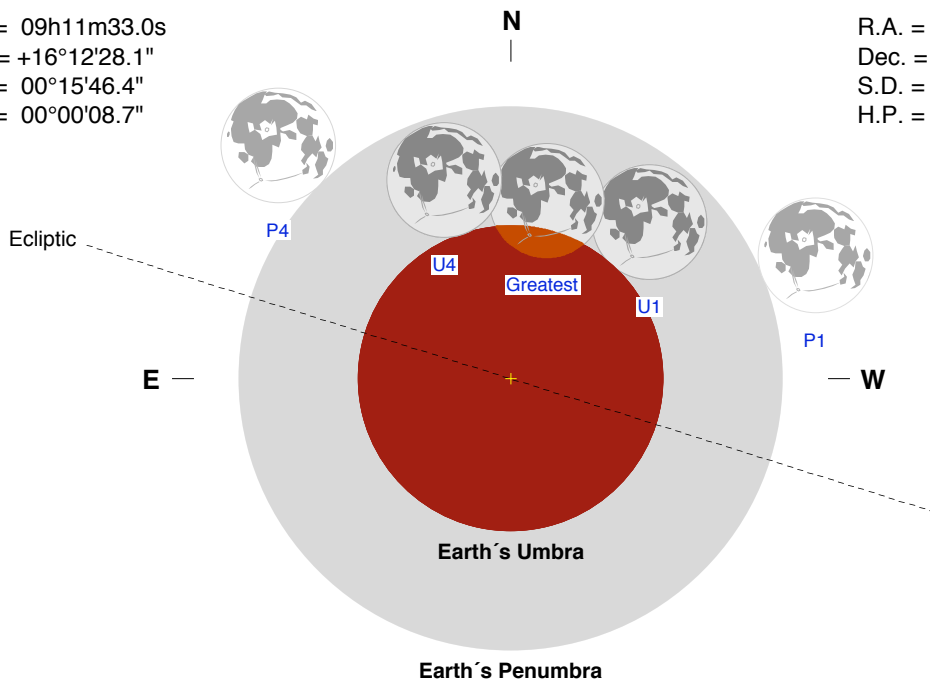
Saros Series = 119 Member = 62 of 83

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 09h11m33.0s
 Dec. = +16°12'28.1"
 S.D. = 00°15'46.4"
 H.P. = 00°00'08.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 21h10m53.1s
 Dec. = -15°25'17.2"
 S.D. = 00°15'08.1"
 H.P. = 00°55'32.7"



Eclipse Durations

Penumbral = 05h00m59s
 Umbral = 01h55m16s

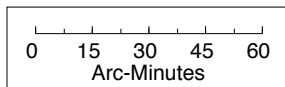
Eclipse Contacts

P1 = 15:50:00 UT
 U1 = 17:22:56 UT
 U4 = 19:18:12 UT
 P4 = 20:50:59 UT

$\Delta T = 68 \text{ s}$

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85



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