

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 = -1.0548

Umbral Magnitude = -0.0635

U. Radius = 0.7491°

Axis = 1.0568°

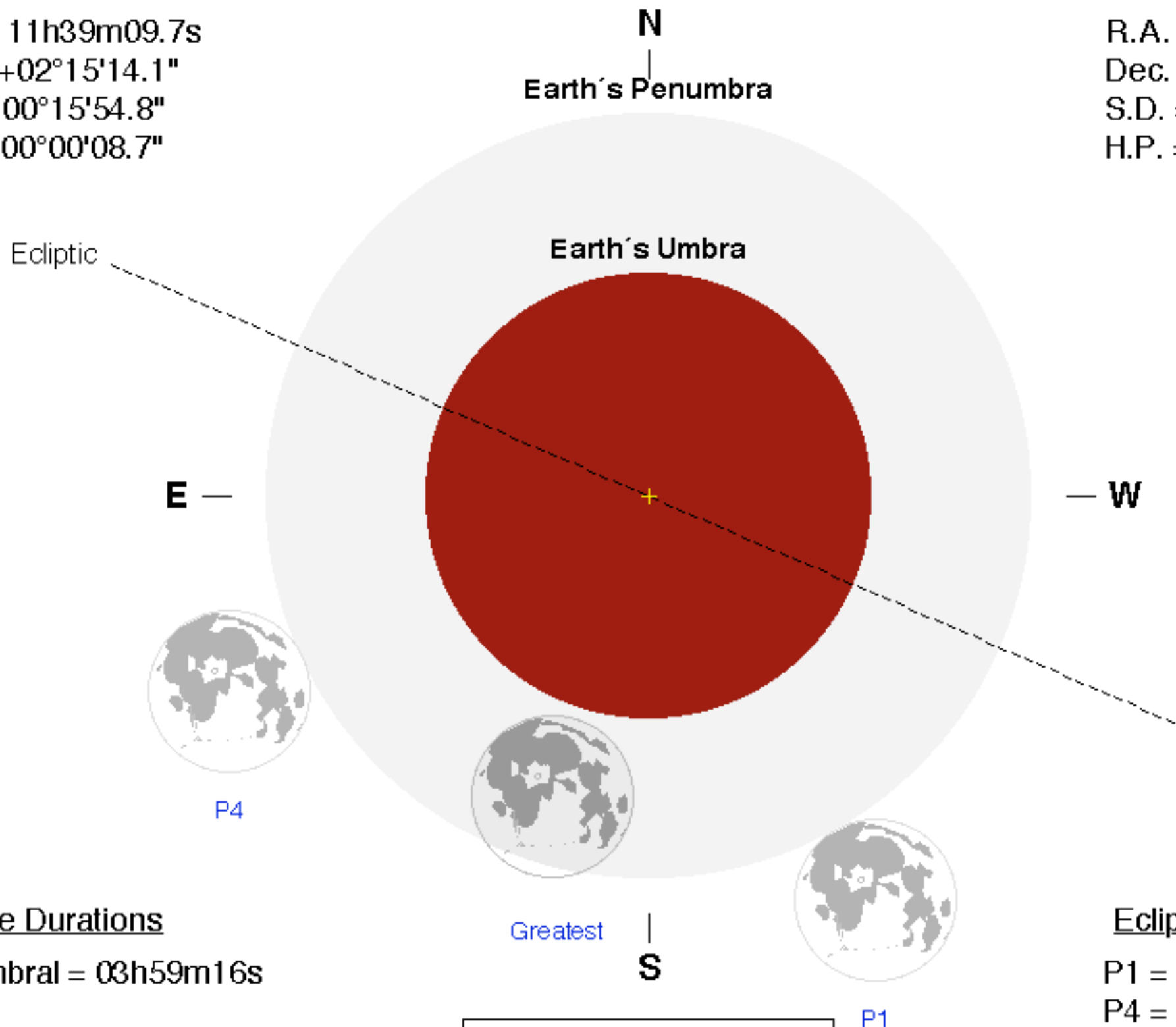
Saros Series = 147 Member = 9 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h39m09.7s
Dec. = +02°15'14.1"
S.D. = 00°15'54.8"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h40m27.3s
Dec. = -03°15'36.6"
S.D. = 00°16'22.7"
H.P. = 01°00'06.7"



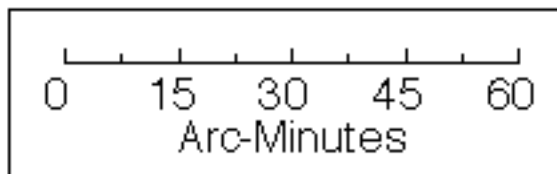
Eclipse Durations

Penumbral = 03h59m16s

Eclipse Contacts

P1 = 16:54:40 UT

P4 = 20:53:57 UT



$\Delta T = 70$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

