

Penumbral Lunar Eclipse of 2009 Aug 06

Ecliptic Conjunction = 00:55:58.2 TD (= 00:54:51.8 UT)

Greatest Eclipse = 00:40:17.9 TD (= 00:39:11.4 UT)

Penumbral Magnitude = 0.4019

P. Radius = 1.1774°

Gamma = 1.3572

Umbral Magnitude = -0.6661

U. Radius = 0.6518°

Axis = 1.2257°

Saros Series = 148

Member = 3 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h04m42.0s

Dec. = +16°42'38.8"

S.D. = 00°15'46.1"

H.P. = 00°00'08.7"

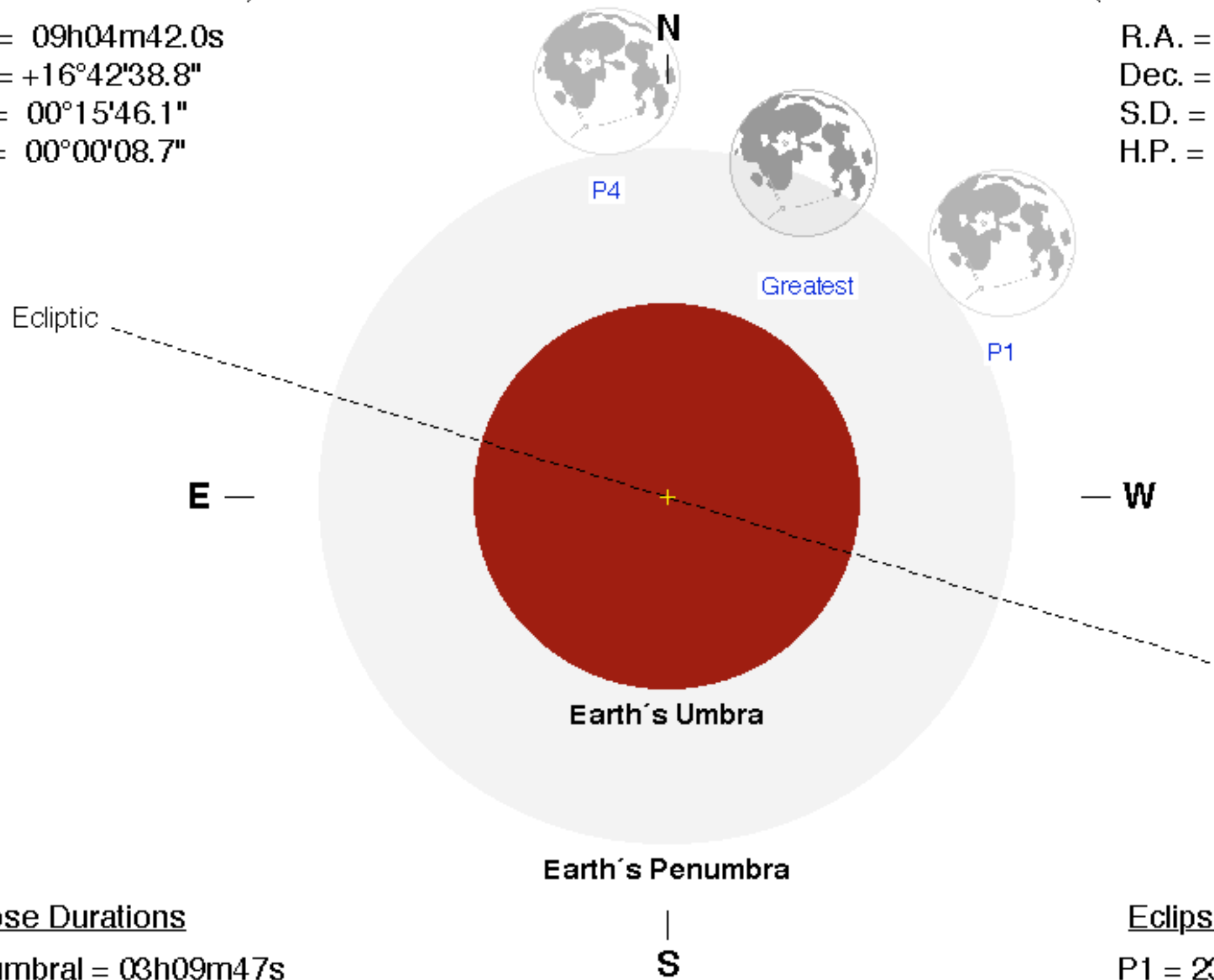
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h02m46.3s

Dec. = -15°34'32.6"

S.D. = 00°14'45.9"

H.P. = 00°54'11.4"



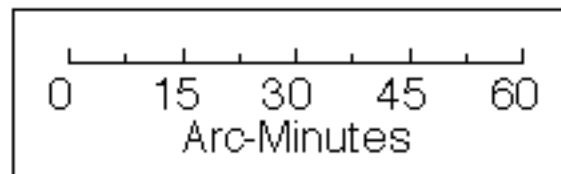
Eclipse Durations

Penumbral = 03h09m47s

Eclipse Contacts

P1 = 23:04:21 UT

P4 = 02:14:08 UT



$\Delta T = 66$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

