

Penumbral Lunar Eclipse of 2074 Aug 07

Ecliptic Conjunction = 02:07:57.4 TD (= 02:05:32.6 UT)

Greatest Eclipse = 01:56:03.5 TD (= 01:53:38.7 UT)

Penumbral Magnitude = 0.7813

P. Radius = 1.2489°

Gamma = -1.1291

Umbral Magnitude = -0.2091

U. Radius = 0.7233°

Axis = 1.0996°

Saros Series = 149

Member = 6 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h09m47.8s

Dec. = +16°19'56.5"

S.D. = 00°15'46.2"

H.P. = 00°00'08.7"

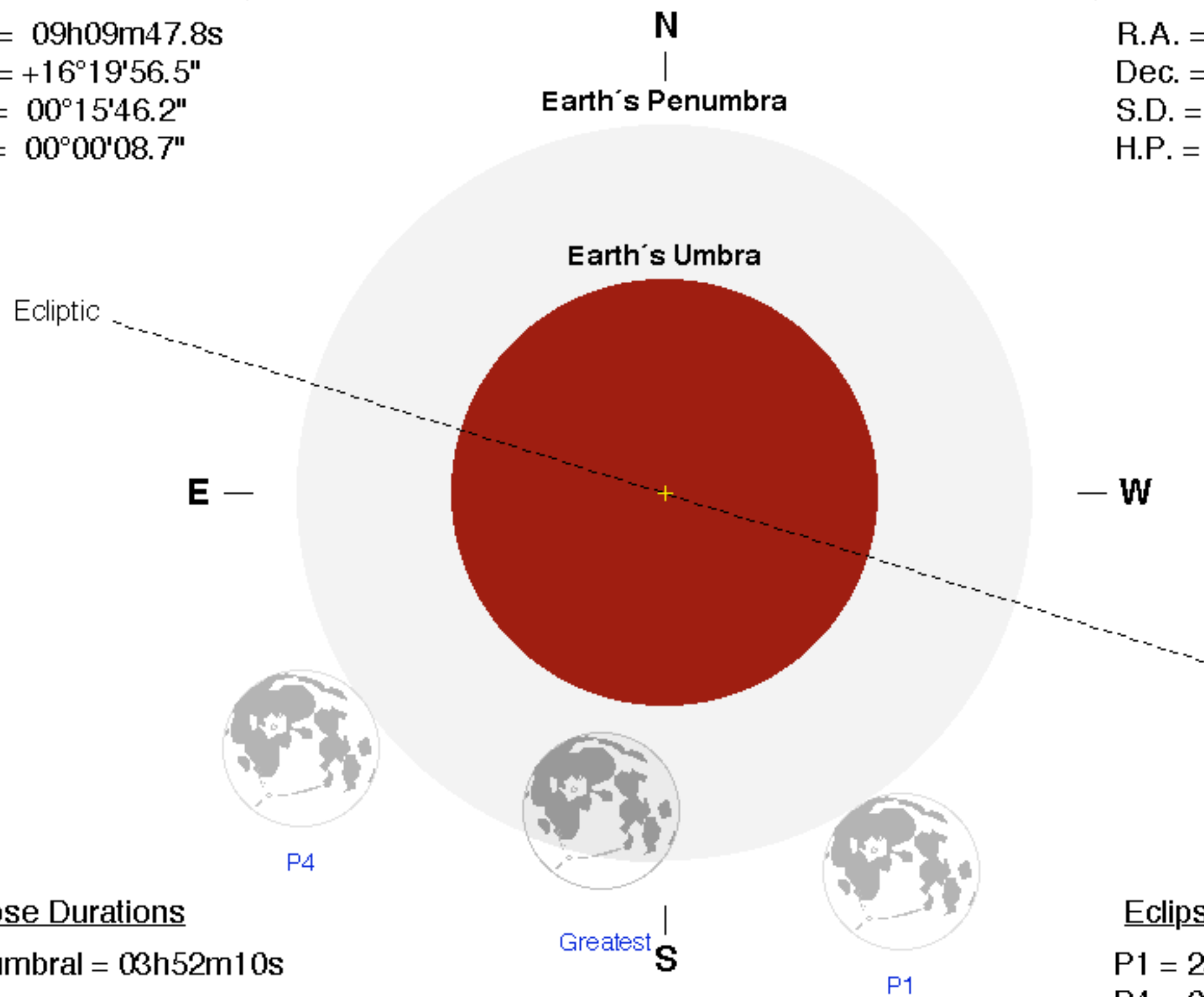
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h10m42.9s

Dec. = -17°24'35.5"

S.D. = 00°15'55.4"

H.P. = 00°58'26.2"



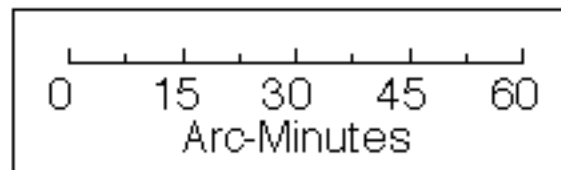
Eclipse Durations

Penumbral = 03h52m10s

Eclipse Contacts

P1 = 23:57:29 UT

P4 = 03:49:40 UT



$\Delta T = 145$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

