

Penumbral Lunar Eclipse of 2045 Aug 27

Ecliptic Conjunction = 14:08:55.1 TD (= 14:07:26.0 UT)

Greatest Eclipse = 13:54:50.0 TD (= 13:53:20.8 UT)

Penumbral Magnitude = 0.6825

P. Radius = 1.1766°

Gamma = 1.2060

Umbral Magnitude = -0.3919

U. Radius = 0.6489°

Axis = 1.0870°

Saros Series = 148

Member = 5 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h26m15.1s

Dec. = +09°46'56.3"

S.D. = 00°15'49.9"

H.P. = 00°00'08.7"

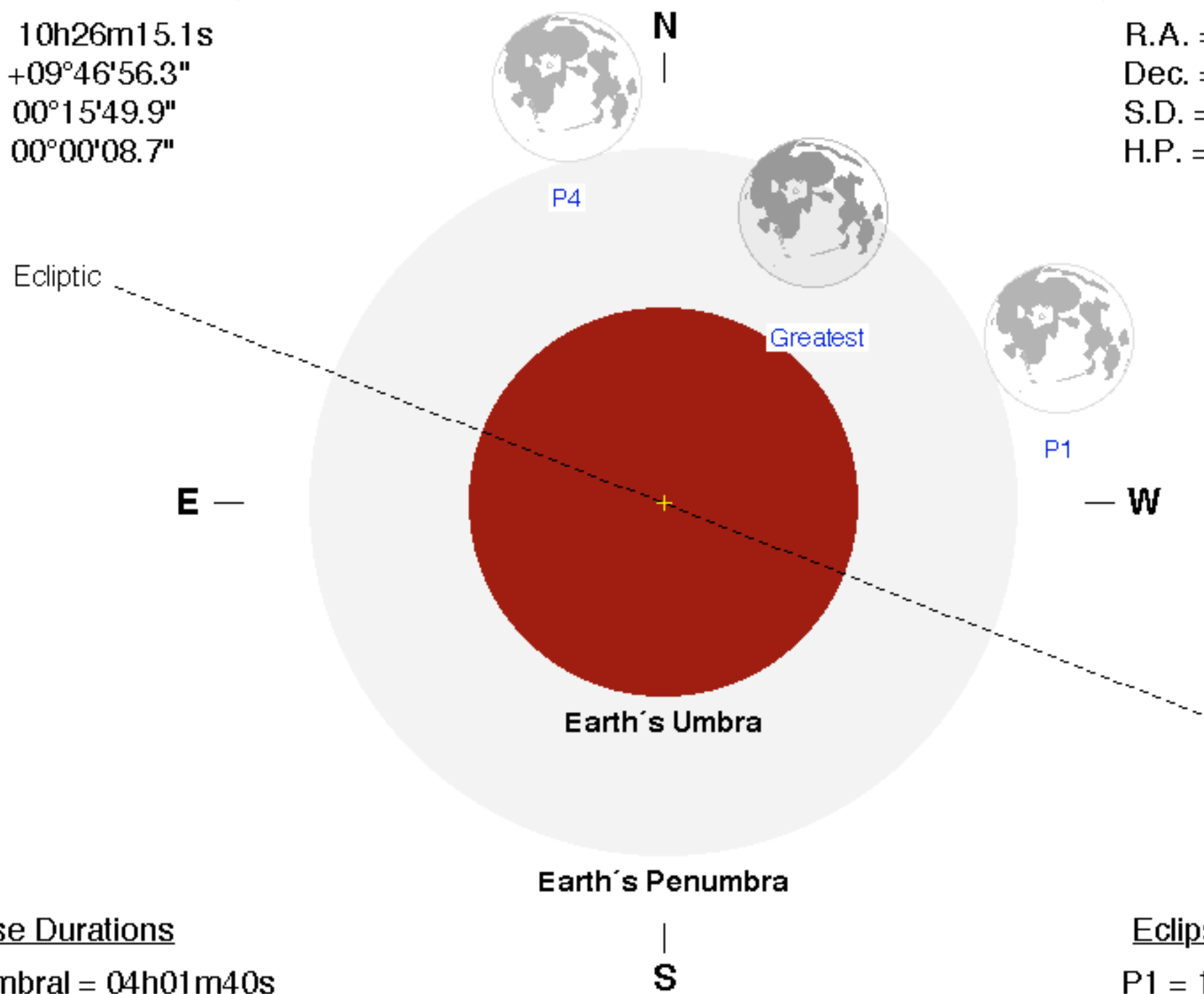
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h24m15.2s

Dec. = -08°48'48.8"

S.D. = 00°14'44.1"

H.P. = 00°54'04.7"



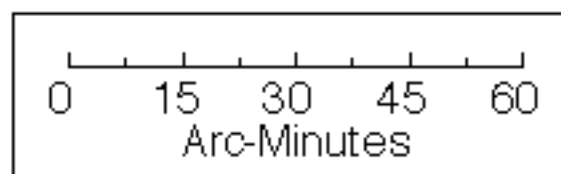
Eclipse Durations

Penumbral = 04h01m40s

Eclipse Contacts

P1 = 11:52:33 UT

P4 = 15:54:13 UT



$\Delta T = 89$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

