

Penumbral Lunar Eclipse of 2045 Mar 03

Ecliptic Conjunction = 07:53:54.1 TD (= 07:52:25.4 UT)

Greatest Eclipse = 07:43:25.8 TD (= 07:41:57.0 UT)

Penumbral Magnitude = 0.9623

P. Radius = 1.2894°

Gamma = -1.0274

Umbral Magnitude = -0.0168

U. Radius = 0.7516°

Axis = 1.0355°

Saros Series = 143

Member = 20 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h57m49.1s

Dec. = -06°37'35.5"

S.D. = 00°16'08.1"

H.P. = 00°00'08.9"

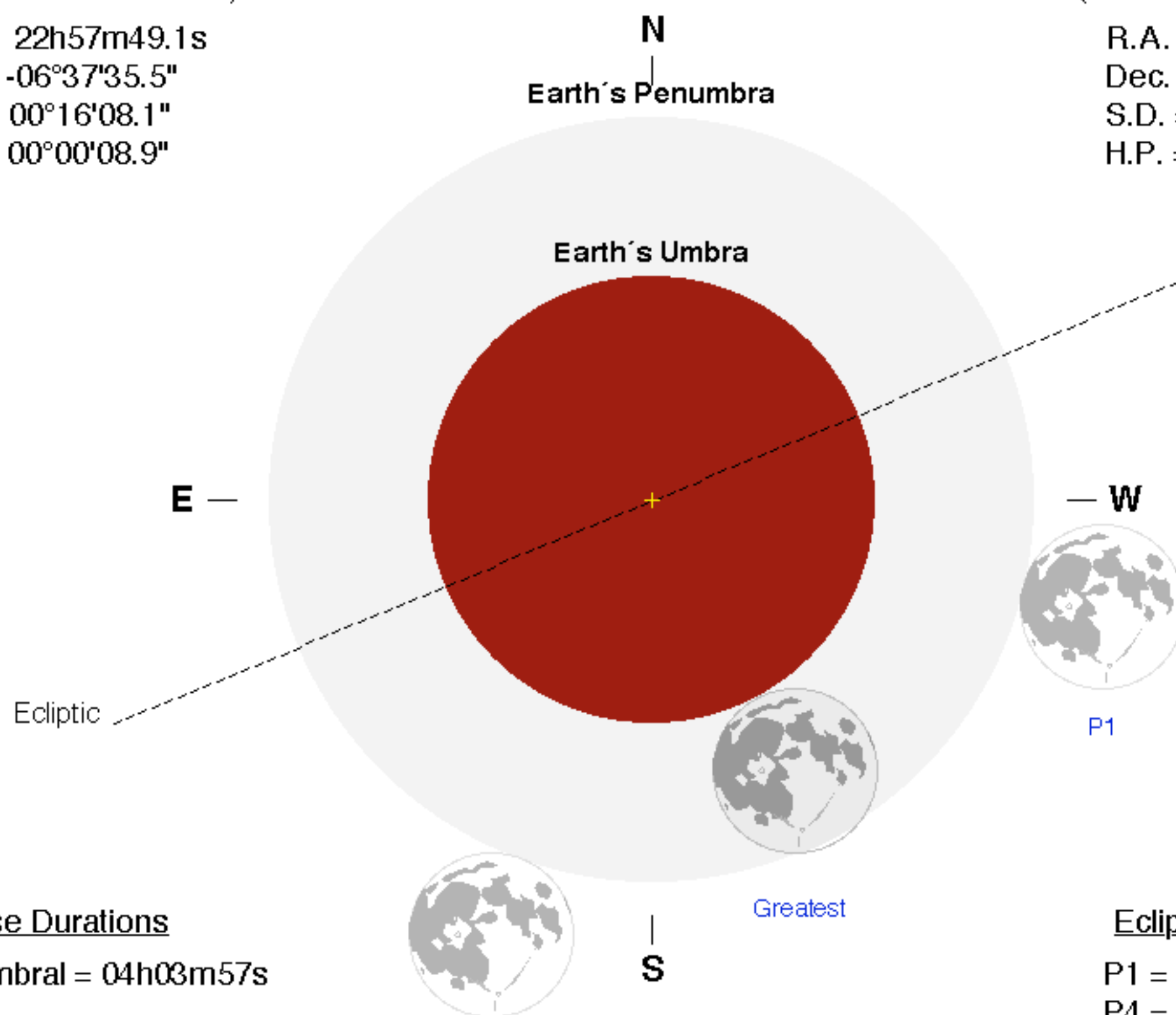
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h55m51.6s

Dec. = +05°42'45.6"

S.D. = 00°16'28.7"

H.P. = 01°00'28.6"



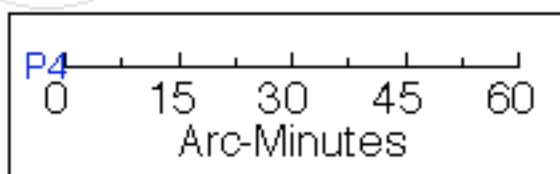
Eclipse Durations

Penumbral = 04h03m57s

Eclipse Contacts

P1 = 05:39:58 UT

P4 = 09:43:55 UT



$\Delta T = 89$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

