

Penumbral Lunar Eclipse of 1940 Mar 23

Ecliptic Conjunction = 19:33:39.0 TD (= 19:33:14.5 UT)

Greatest Eclipse = 19:48:19.5 TD (= 19:47:55.0 UT)

Penumbral Magnitude = 0.0788

P. Radius = 1.3031°

Gamma = -1.5033

Umbral Magnitude = -0.8803

U. Radius = 0.7684°

Axis = 1.5379°

Saros Series = 102

Member = 83 of 84

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h11m07.9s

Dec. = +01°12'22.5"

S.D. = 00°16'02.4"

H.P. = 00°00'08.8"

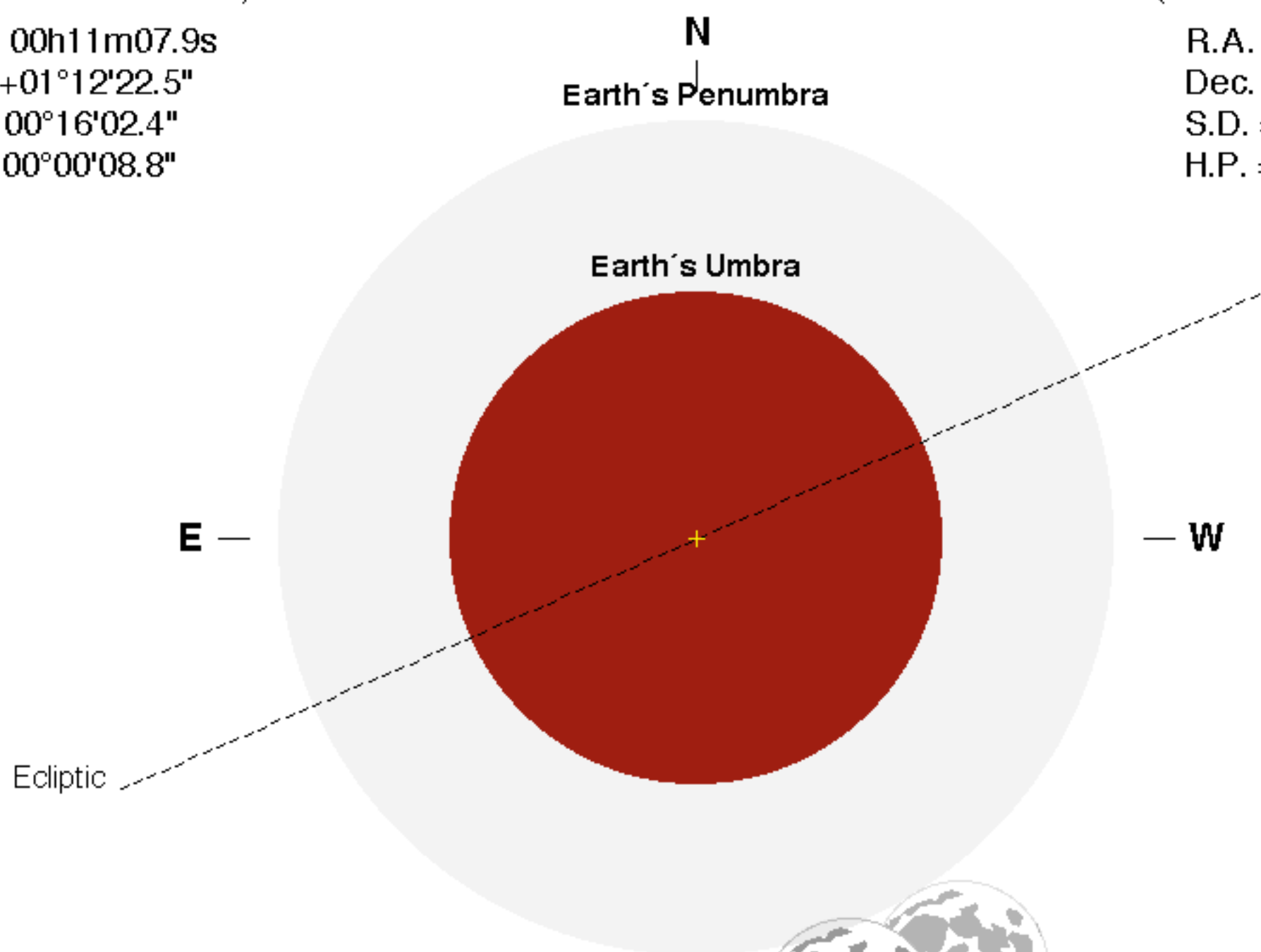
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h09m13.7s

Dec. = -02°40'08.0"

S.D. = 00°16'43.5"

H.P. = 01°01'23.0"



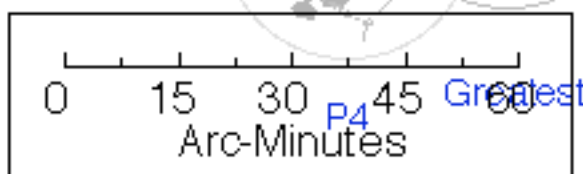
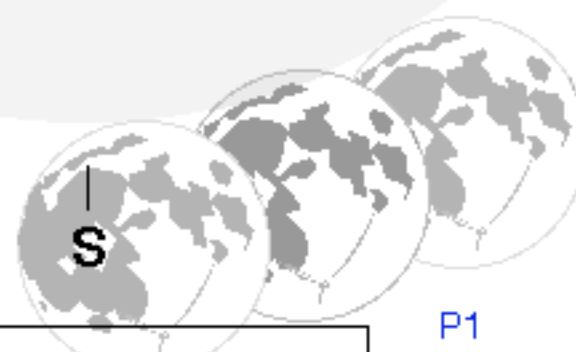
Eclipse Durations

Penumbral = 01h14m38s

Eclipse Contacts

P1 = 19:10:34 UT

P4 = 20:25:12 UT



$\Delta T = 24 \text{ s}$

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

