

Penumbral Lunar Eclipse of 1904 Mar 31

Ecliptic Conjunction = 12:44:18.5 TD (= 12:44:15.7 UT)

Greatest Eclipse = 12:32:27.7 TD (= 12:32:24.9 UT)

Penumbral Magnitude = 0.7036

P. Radius = 1.2859°

Gamma = 1.1665

Umbral Magnitude = -0.2688

U. Radius = 0.7524°

Axis = 1.1742°

Saros Series = 140

Member = 19 of 80

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h38m07.6s

Dec. = +04°06'29.7"

S.D. = 00°16'00.2"

H.P. = 00°00'08.8"

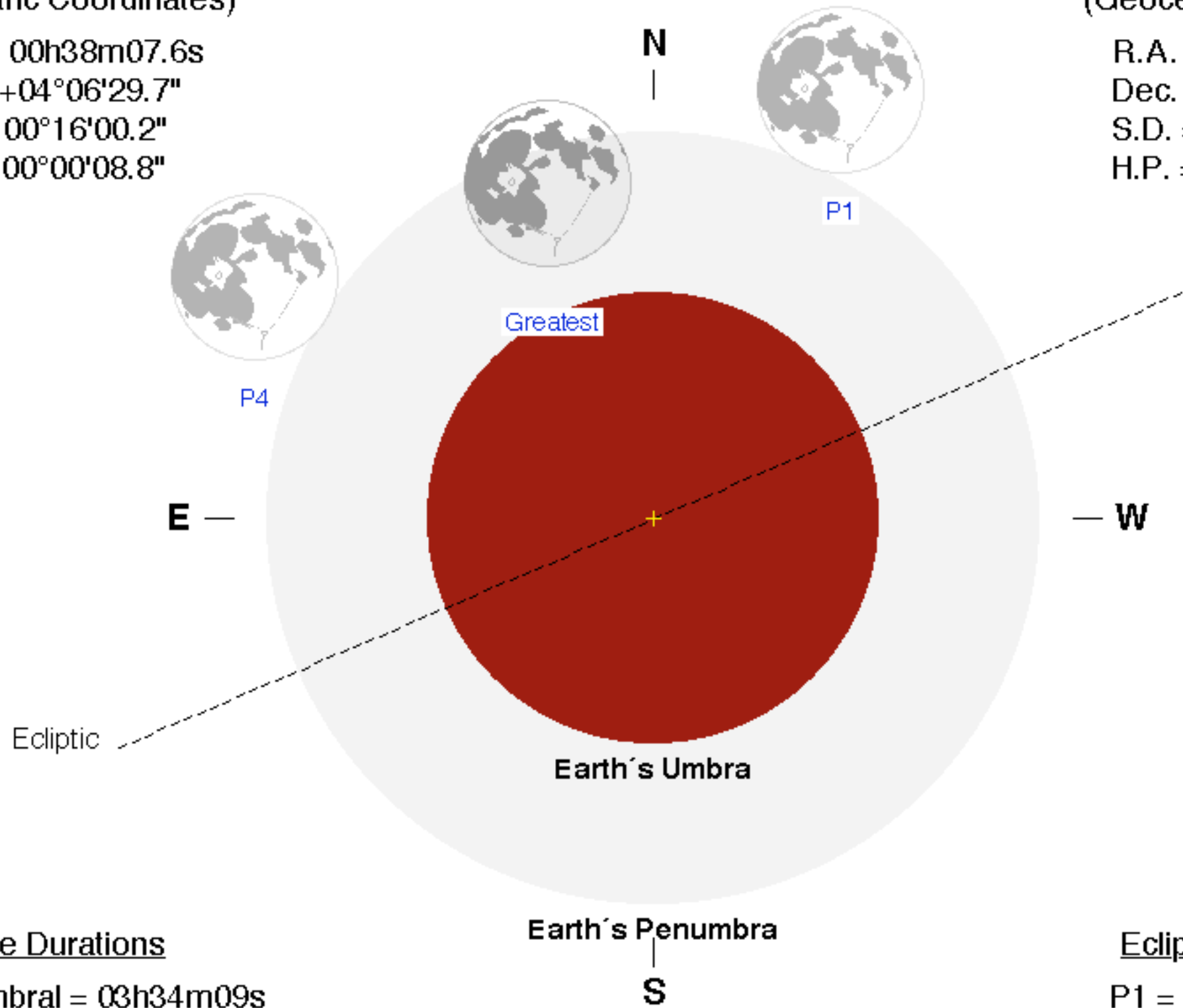
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h39m32.8s

Dec. = -02°59'19.6"

S.D. = 00°16'27.4"

H.P. = 01°00'23.9"



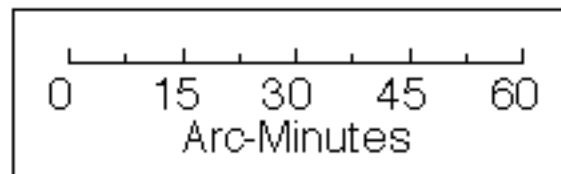
Eclipse Durations

Penumbral = 03h34m09s

Eclipse Contacts

P1 = 10:45:17 UT

P4 = 14:19:26 UT



$\Delta T = 3 \text{ s}$

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

