

Penumbral Lunar Eclipse of 1948 Oct 18

Ecliptic Conjunction = 02:23:52.3 TD (= 02:23:23.7 UT)

Greatest Eclipse = 02:35:40.7 TD (= 02:35:12.1 UT)

Penumbral Magnitude = 1.0140

P. Radius = 1.1962°

Gamma = -1.0245

Umbral Magnitude = -0.0572

U. Radius = 0.6609°

Axis = 0.9393°

Saros Series = 116 Member = 54 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 13h31m13.7s

Dec. = -09°32'38.5"

S.D. = 00°16'03.4"

H.P. = 00°00'08.8"

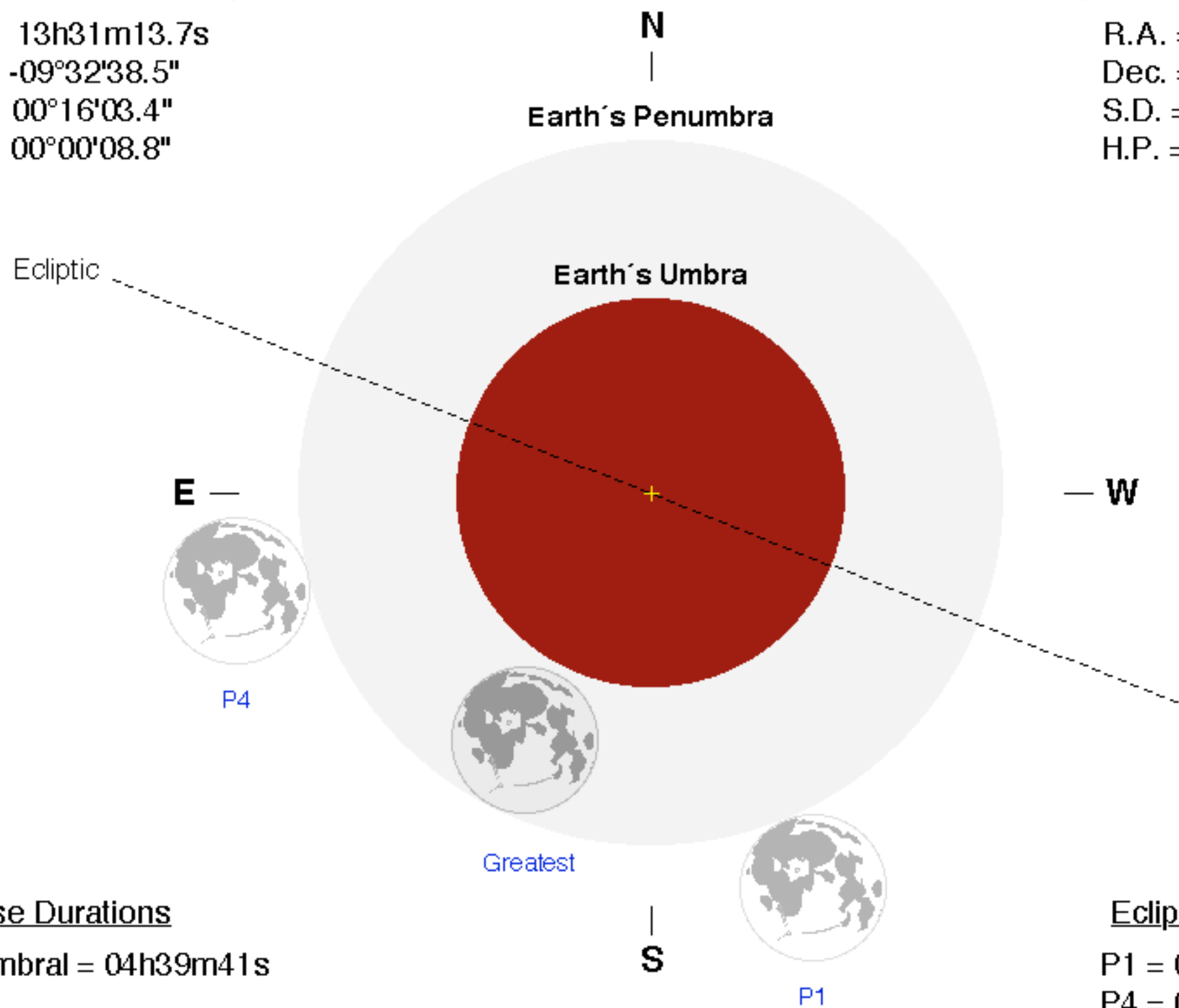
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 01h32m57.8s

Dec. = +08°42'28.7"

S.D. = 00°14'59.4"

H.P. = 00°55'00.9"



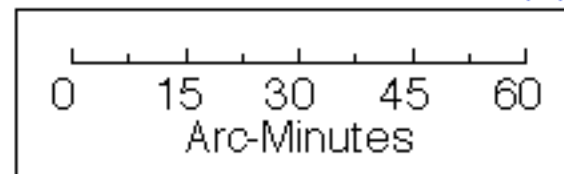
Eclipse Durations

Penumbral = 04h39m41s

Eclipse Contacts

P1 = 00:15:22 UT

P4 = 04:55:03 UT



$\Delta T = 29$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

