

Penumbral Lunar Eclipse of 2056 Dec 22

Ecliptic Conjunction = 01:35:23.2 TD (= 01:33:36.0 UT)

Greatest Eclipse = 01:48:55.7 TD (= 01:47:08.5 UT)

Penumbral Magnitude = 0.7857

P. Radius = 1.1895°

Gamma = -1.1559

Umbral Magnitude = -0.3109

U. Radius = 0.6475°

Axis = 1.0483°

Saros Series = 116

Member = 60 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 18h04m03.3s

Dec. = -23°25'40.9"

S.D. = 00°16'15.5"

H.P. = 00°00'08.9"

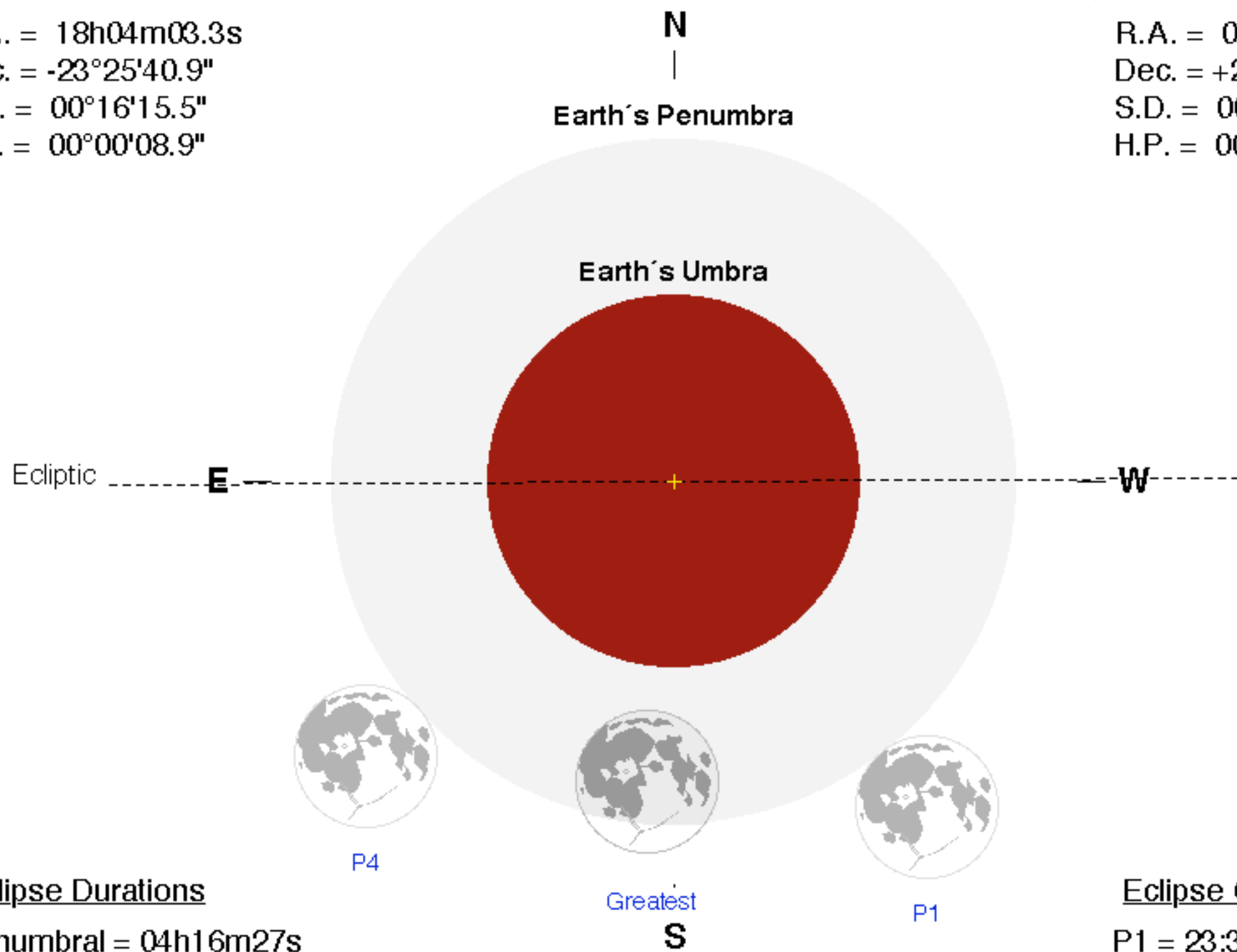
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 06h04m28.2s

Dec. = +22°23'02.7"

S.D. = 00°14'49.6"

H.P. = 00°54'24.9"



Eclipse Durations

Penumbral = 04h16m27s

Eclipse Contacts

P1 = 23:38:57 UT

P4 = 03:55:24 UT

$\Delta T = 107$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

