

Penumbral Lunar Eclipse of 1973 Jan 18

Ecliptic Conjunction = 21:29:08.2 TD (= 21:28:24.8 UT)

Greatest Eclipse = 21:17:58.0 TD (= 21:17:14.7 UT)

Penumbral Magnitude = 0.8655

P. Radius = 1.2830°

Gamma = -1.0844

Umbral Magnitude = -0.1293

U. Radius = 0.7411°

Axis = 1.0839°

Saros Series = 143 Member = 16 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 20h03m09.2s

Dec. = -20°25'53.6"

S.D. = 00°16'15.4"

H.P. = 00°00'08.9"

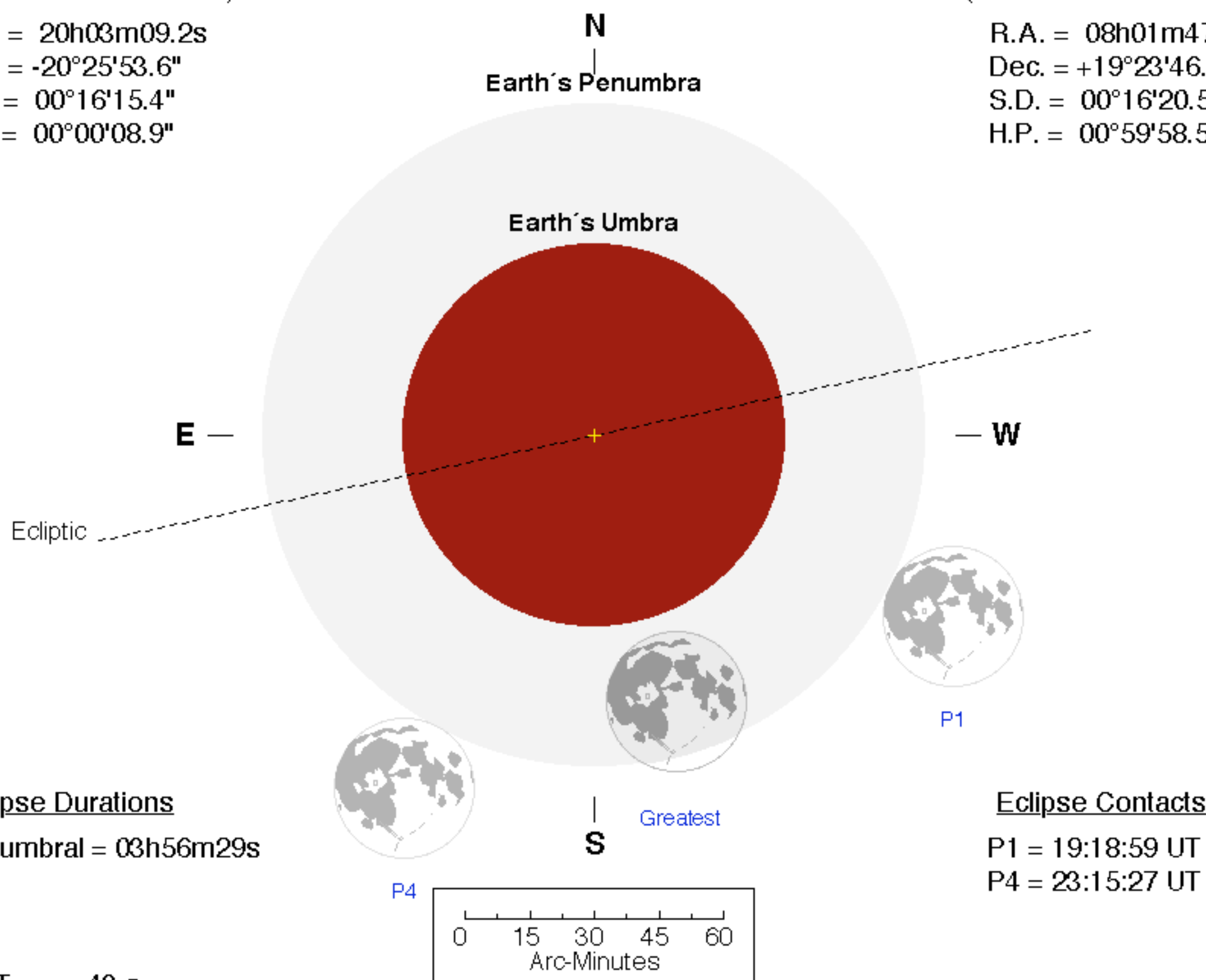
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 08h01m47.2s

Dec. = +19°23'46.8"

S.D. = 00°16'20.5"

H.P. = 00°59'58.5"



Eclipse Durations

Penumbral = 03h56m29s

Eclipse Contacts

P1 = 19:18:59 UT

P4 = 23:15:27 UT

$\Delta T = 43$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

