

Penumbral Lunar Eclipse of 1973 Jun 15

Ecliptic Conjunction = 20:35:17.9 TD (= 20:34:34.1 UT)

Greatest Eclipse = 20:50:41.0 TD (= 20:49:57.2 UT)

Penumbral Magnitude = 0.4685

P. Radius = 1.1734°

Gamma = -1.3216

Umbral Magnitude = -0.6020

U. Radius = 0.6486°

Axis = 1.1888°

Saros Series = 110

Member = 69 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 05h36m24.5s

Dec. = +23°19'56.0"

S.D. = 00°15'44.6"

H.P. = 00°00'08.7"

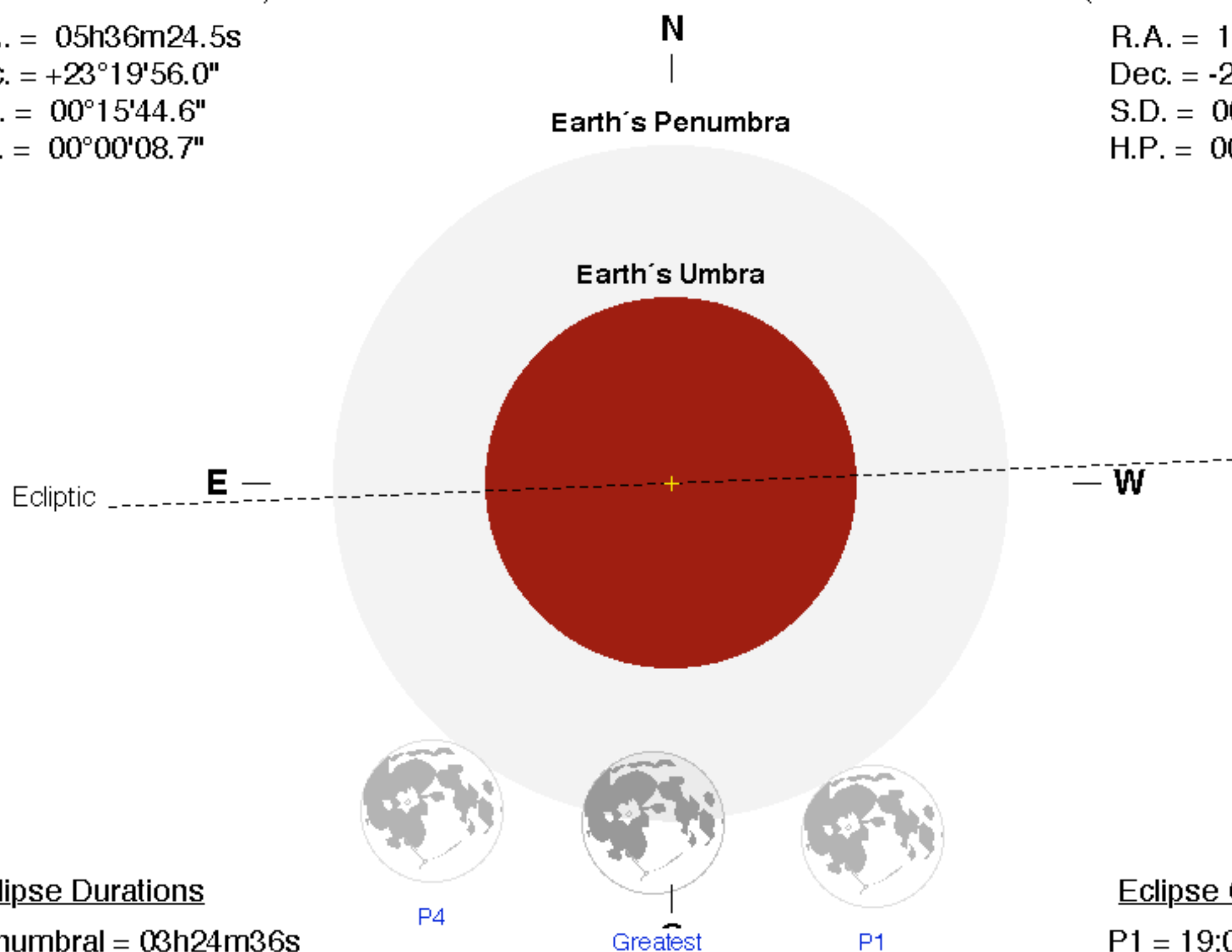
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 17h36m42.2s

Dec. = -24°31'09.1"

S.D. = 00°14'42.4"

H.P. = 00°53'58.5"



Eclipse Durations

Penumbral = 03h24m36s

Eclipse Contacts

P1 = 19:07:39 UT

P4 = 22:32:15 UT

$\Delta T = 44$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

