

Penumbral Lunar Eclipse of 1973 Jul 15

Ecliptic Conjunction = 11:56:37.3 TD (= 11:55:53.4 UT)

Greatest Eclipse = 11:39:18.8 TD (= 11:38:34.9 UT)

Penumbral Magnitude = 0.1046

P. Radius = 1.1794°

Gamma = 1.5177

Umbral Magnitude = -0.9581

U. Radius = 0.6549°

Axis = 1.3745°

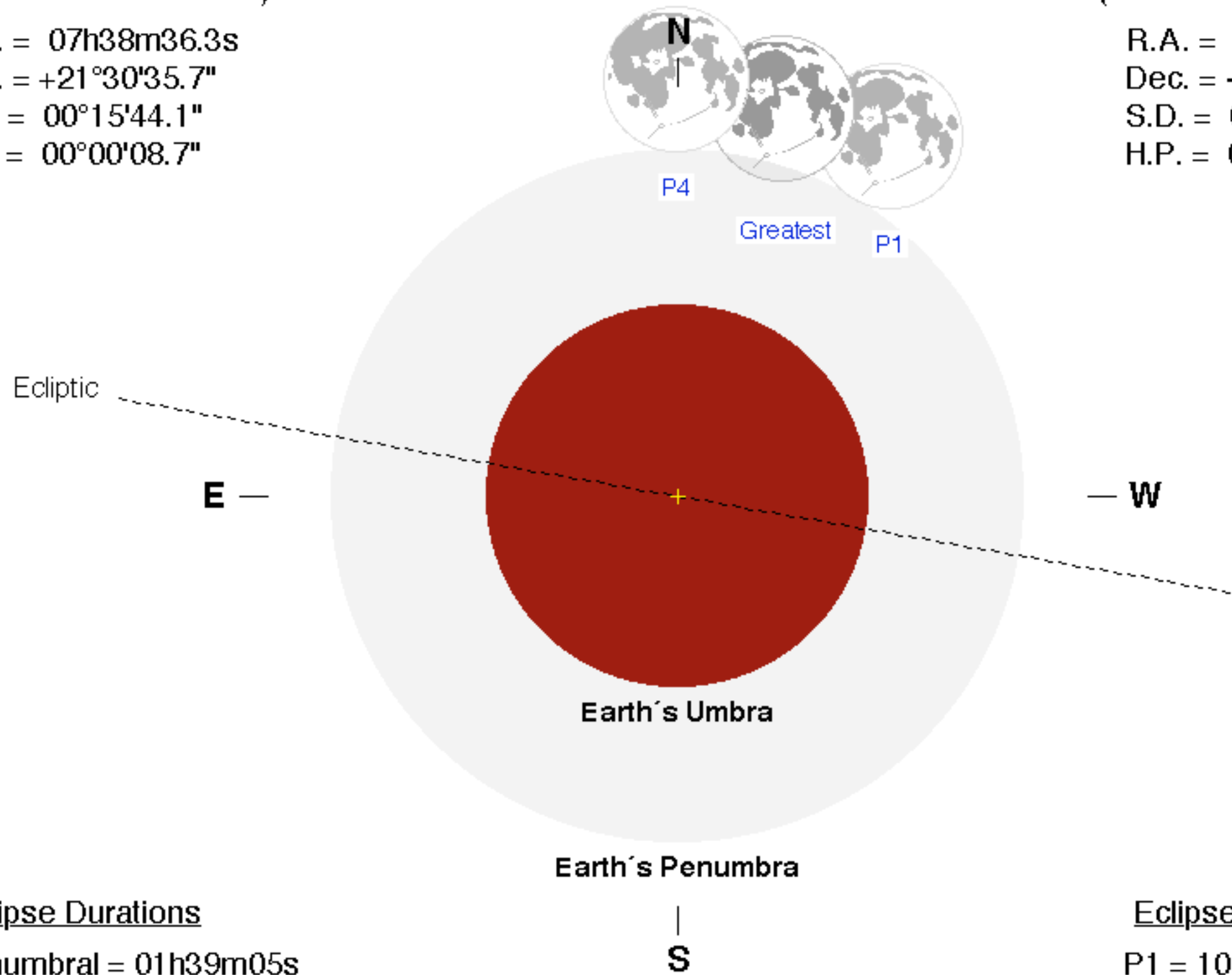
Saros Series = 148 Member = 1 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 07h38m36.3s
Dec. = +21°30'35.7"
S.D. = 00°15'44.1"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 19h37m04.9s
Dec. = -20°10'55.7"
S.D. = 00°14'48.4"
H.P. = 00°54'20.4"



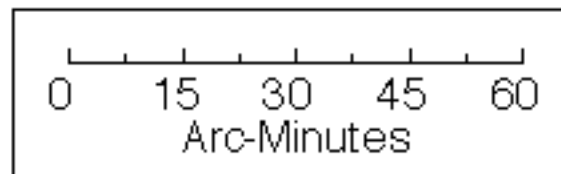
Eclipse Durations

Penumbral = 01h39m05s

Eclipse Contacts

P1 = 10:49:07 UT

P4 = 12:28:12 UT



$\Delta T = 44$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

