

Penumbral Lunar Eclipse of 2074 Jul 08

Ecliptic Conjunction = 17:07:09.7 TD (= 17:04:45.1 UT)

Greatest Eclipse = 17:21:37.6 TD (= 17:19:13.0 UT)

Penumbral Magnitude = 0.1870

P. Radius = 1.2734°

Gamma = 1.4456

Umbral Magnitude = -0.7765

U. Radius = 0.7490°

Axis = 1.4438°

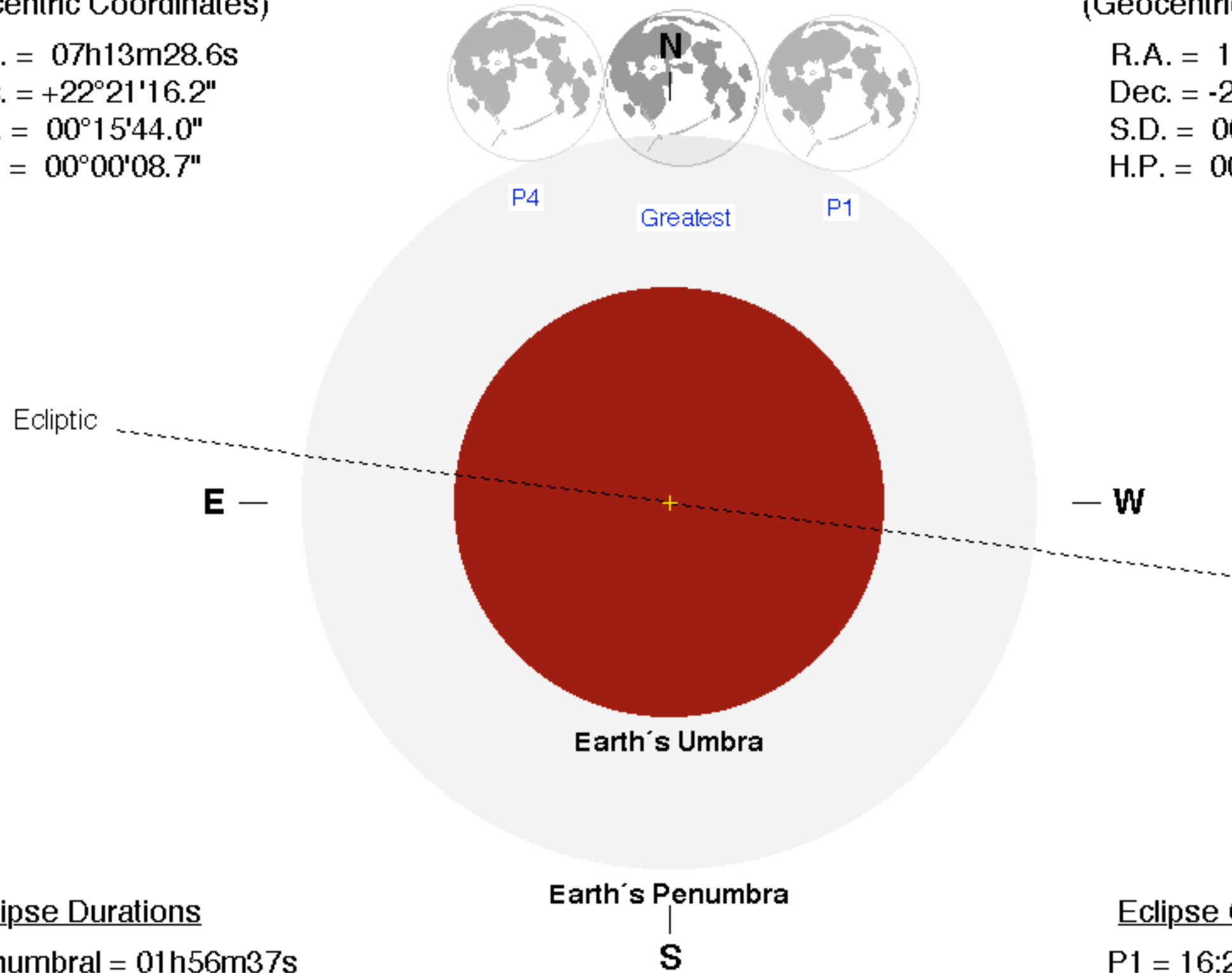
Saros Series = 111 Member = 70 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 07h13m28.6s
Dec. = +22°21'16.2"
S.D. = 00°15'44.0"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 19h13m17.1s
Dec. = -20°54'40.5"
S.D. = 00°16'19.7"
H.P. = 00°59'55.7"



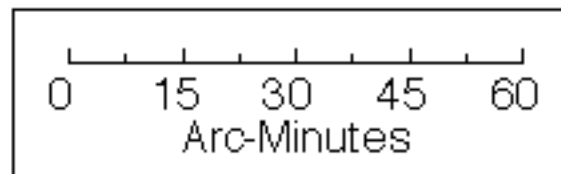
Eclipse Durations

Penumbral = 01h56m37s

Eclipse Contacts

P1 = 16:20:48 UT

P4 = 18:17:25 UT



$\Delta T = 145$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

