

Penumbral Lunar Eclipse of 2085 Jul 07

Ecliptic Conjunction = 10:17:18.3 TD (= 10:14:29.2 UT)

Greatest Eclipse = 10:04:39.9 TD (= 10:01:50.8 UT)

Penumbral Magnitude = 0.5047

P. Radius = 1.2851°

Gamma = 1.2694

Umbral Magnitude = -0.4478

U. Radius = 0.7606°

Axis = 1.2825°

Saros Series = 150 Member = 5 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 07h09m34.5s

Dec. = +22°27'55.5"

S.D. = 00°15'44.0"

H.P. = 00°00'08.7"

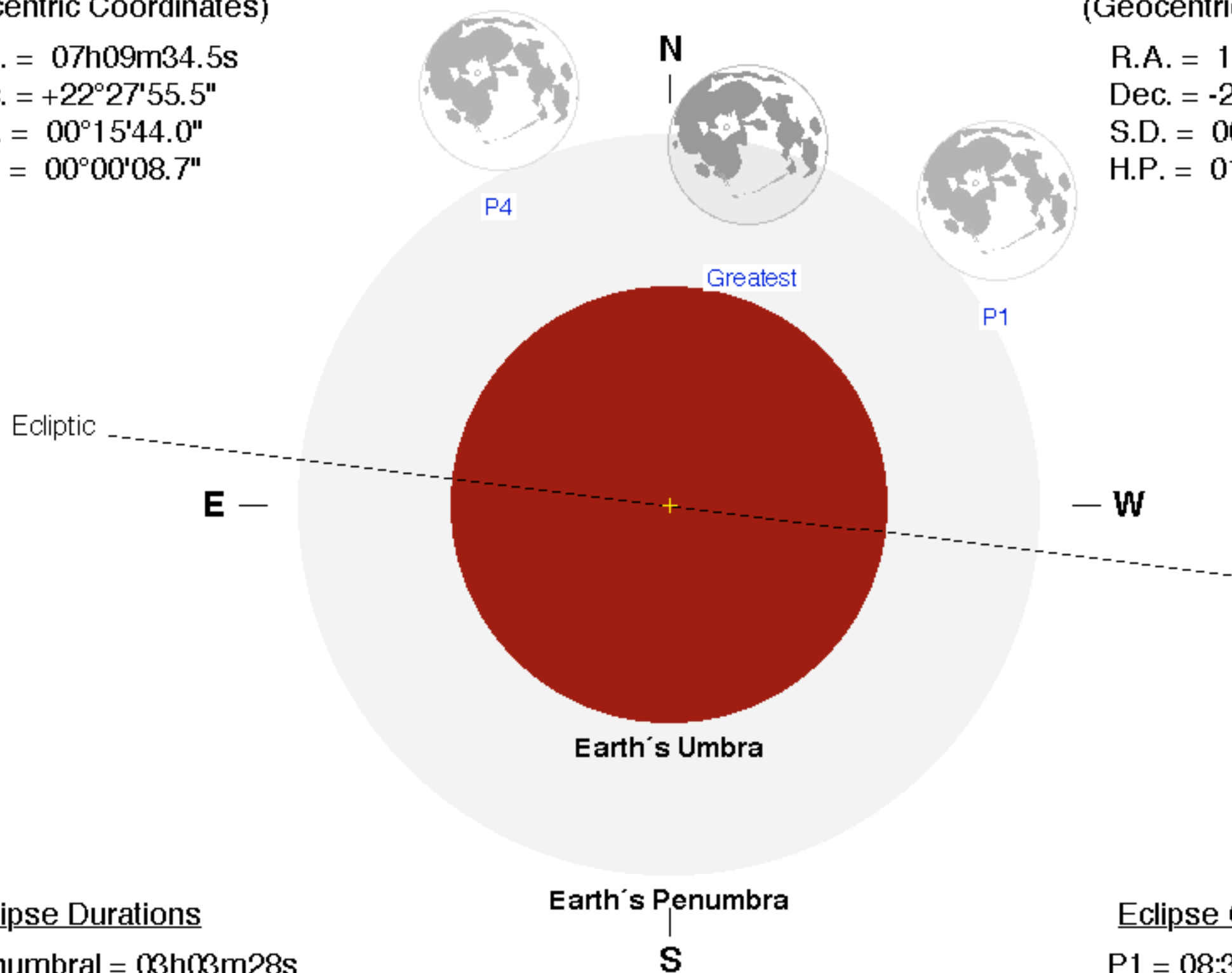
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 19h08m24.3s

Dec. = -21°12'43.0"

S.D. = 00°16'31.1"

H.P. = 01°00'37.2"



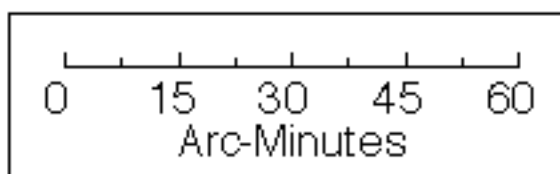
Eclipse Durations

Penumbral = 03h03m28s

Eclipse Contacts

P1 = 08:30:11 UT

P4 = 11:33:39 UT



$\Delta T = 169$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html

