

Penumbral Lunar Eclipse of 2096 Nov 29

Ecliptic Conjunction = 21:36:58.4 TD (= 21:33:43.1 UT)

Greatest Eclipse = 21:22:22.0 TD (= 21:19:06.7 UT)

Penumbral Magnitude = 0.0862

P. Radius = 1.3078°

Gamma = 1.5017

Umbral Magnitude = -0.8816

U. Radius = 0.7673°

Axis = 1.5389°

Saros Series = 156

Member = 4 of 82

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 16h27m51.9s

Dec. = -21°44'27.5"

S.D. = 00°16'12.9"

H.P. = 00°00'08.9"

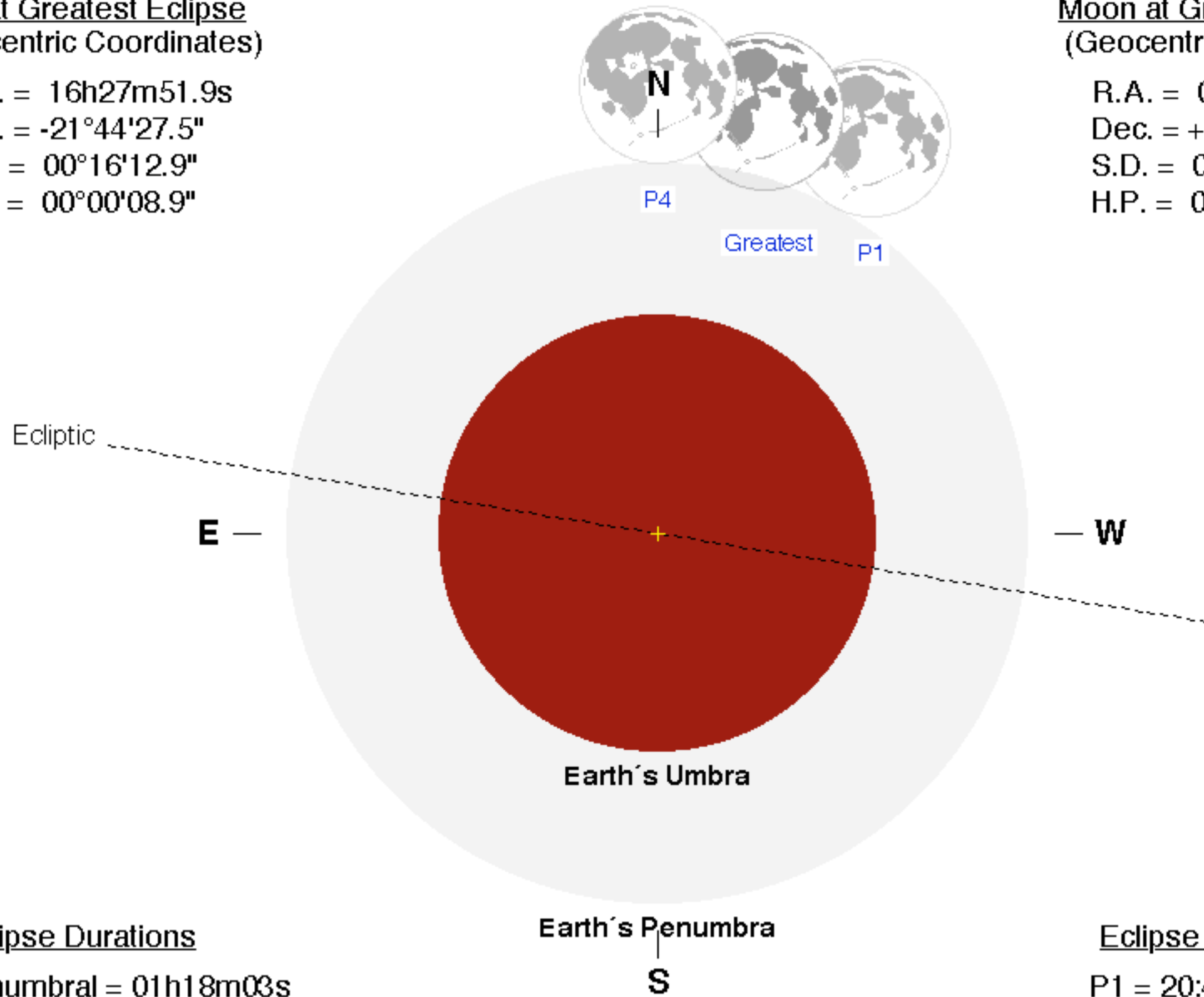
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 04h26m12.4s

Dec. = +23°13'53.4"

S.D. = 00°16'45.2"

H.P. = 01°01'29.3"



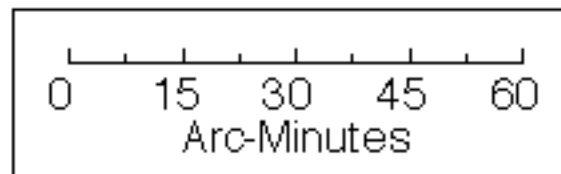
Eclipse Durations

Penumbral = 01h18m03s

Eclipse Contacts

P1 = 20:40:05 UT

P4 = 21:58:08 UT



$\Delta T = 195$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

