

Penumbral Lunar Eclipse of 2013 May 25

Ecliptic Conjunction = 04:26:03.1 TD (= 04:24:54.9 UT)

Greatest Eclipse = 04:11:05.9 TD (= 04:09:57.7 UT)

Penumbral Magnitude = 0.0157

P. Radius = 1.2934°

Gamma = 1.5350

Umbral Magnitude = -0.9335

U. Radius = 0.7670°

Axis = 1.5620°

Saros Series = 150 Member = 1 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 04h08m32.9s

Dec. = +20°58'05.1"

S.D. = 00°15'47.5"

H.P. = 00°00'08.7"

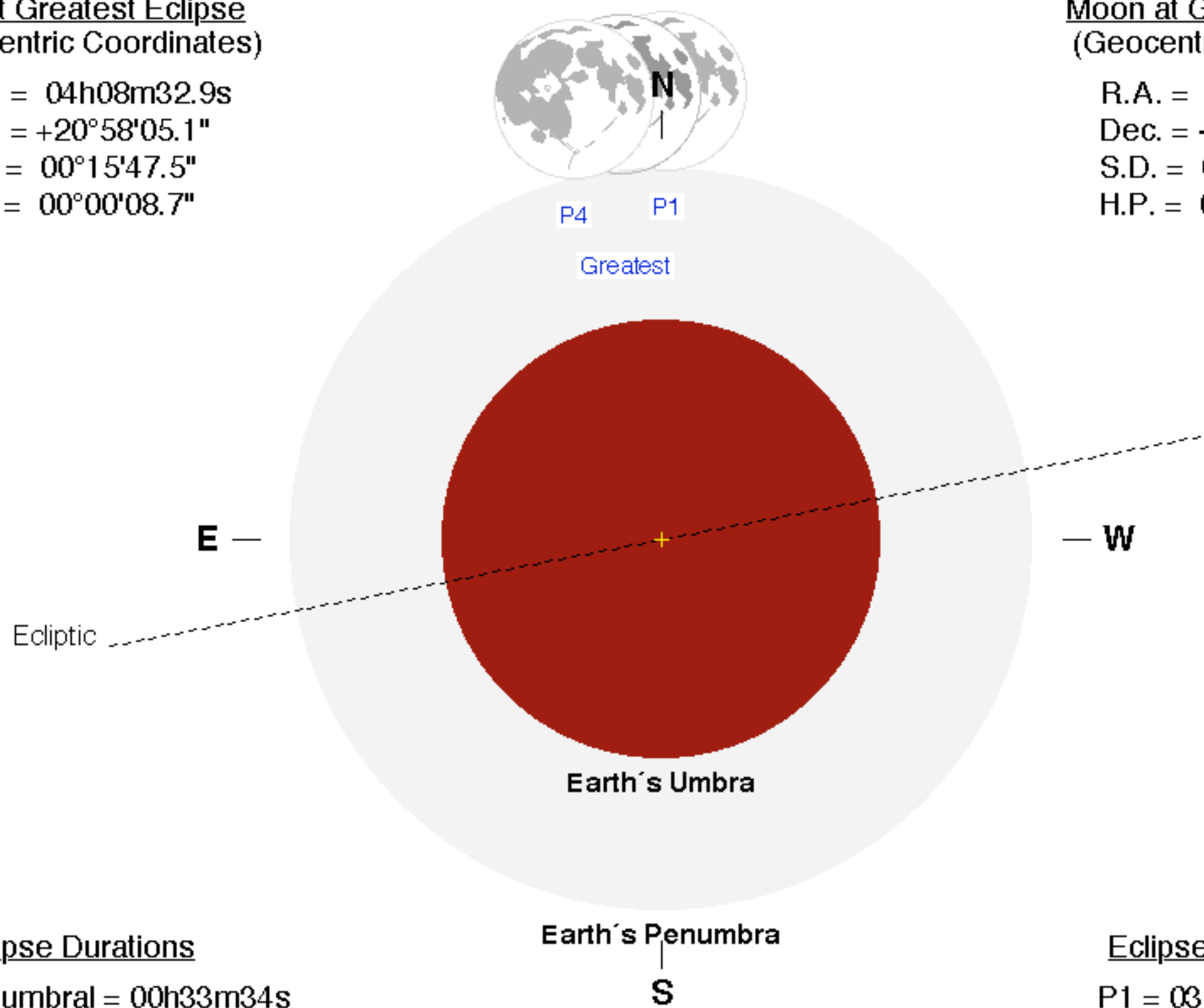
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 16h09m09.8s

Dec. = -19°24'45.3"

S.D. = 00°16'38.2"

H.P. = 01°01'03.5"



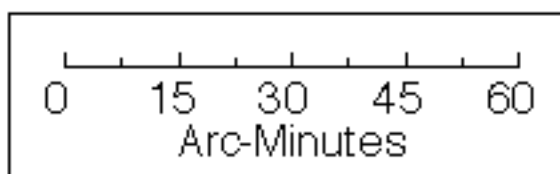
Eclipse Durations

Penumbral = 00h33m34s

Eclipse Contacts

P1 = 03:53:15 UT

P4 = 04:26:49 UT



$\Delta T = 68$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

