

FIGURE 3

Penumbral Lunar Eclipse of 2013 May 25

Ecliptic Conjunction = 04:26:03.4 TD (= 04:24:56.5 UT)

Greatest Eclipse = 04:11:06.6 TD (= 04:09:59.6 UT)

Penumbral Magnitude = 0.0158

P. Radius = 1.2934°

Gamma = 1.5349

Umbral Magnitude = -0.9334

U. Radius = 0.7670°

Axis = 1.5619°

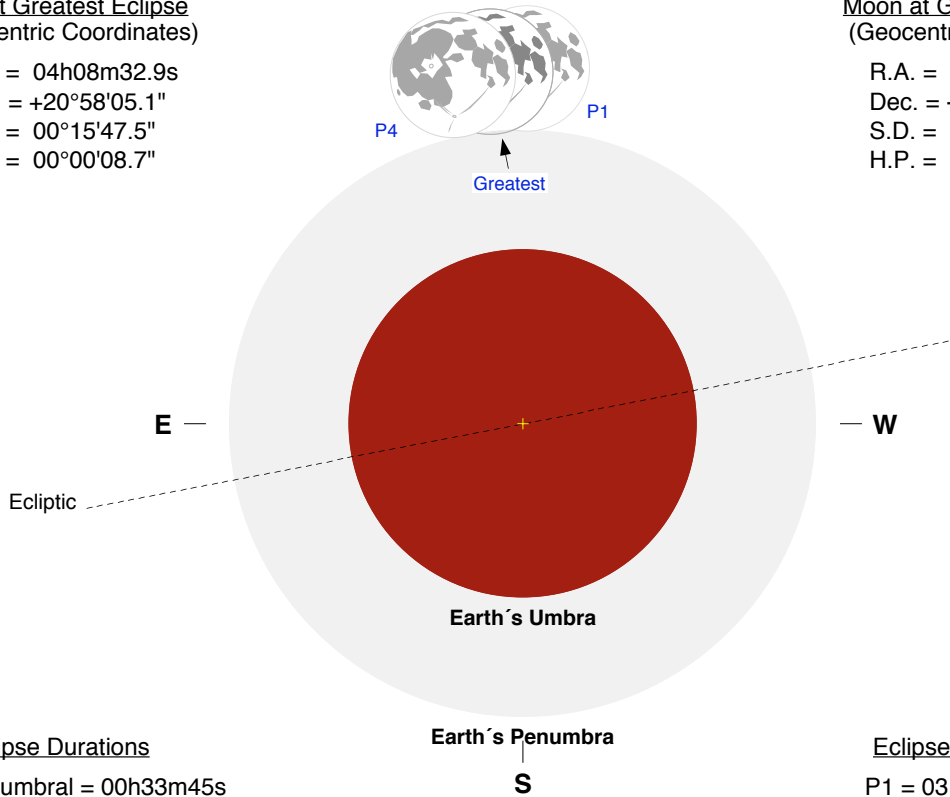
Saros Series = 150 Member = 1 of 71

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. = 16h09m09.9s
Dec. = -19°24'45.7"
S.D. = 00°16'38.2"
H.P. = 01°01'03.5"



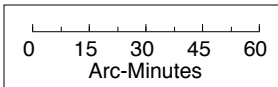
Eclipse Durations

Penumbral = 00h33m45s

Eclipse Contacts

P1 = 03:53:11 UT

P4 = 04:26:56 UT



$\Delta T = 67$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

