

FIGURE 1

Partial Lunar Eclipse of 2013 Apr 25

Ecliptic Conjunction = 19:58:13.7 TD (= 19:57:06.7 UT)
 Greatest Eclipse = 20:08:36.9 TD (= 20:07:29.9 UT)

Penumbral Magnitude = 0.9865 P. Radius = 1.2778° Gamma = -1.0121
 Umbral Magnitude = 0.0147 U. Radius = 0.7480° Axis = 1.0126°

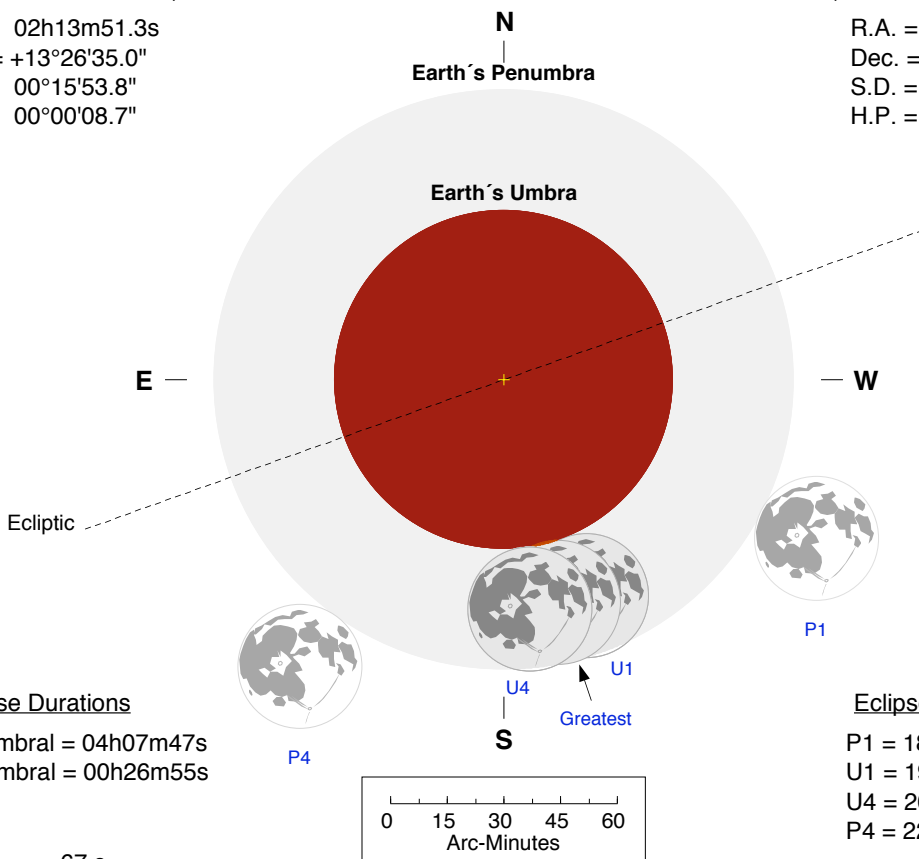
Saros Series = 112 Member = 65 of 72

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 02h13m51.3s
 Dec. = +13°26'35.0"
 S.D. = 00°15'53.8"
 H.P. = 00°00'08.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 14h12m51.4s
 Dec. = -14°25'34.3"
 S.D. = 00°16'21.4"
 H.P. = 01°00'01.6"



Eclipse Durations

Penumbral = 04h07m47s
 Umbral = 00h26m55s

Eclipse Contacts

P1 = 18:03:38 UT
 U1 = 19:54:08 UT
 U4 = 20:21:02 UT
 P4 = 22:11:26 UT

$\Delta T = 67$ s
 Rule = CdT (Danjon)
 Eph. = VSOP87/ELP2000-85

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

