

Partial Lunar Eclipse of 2013 Apr 25

Ecliptic Conjunction = 19:58:13.7 TD (= 19:57:05.6 UT)

Greatest Eclipse = 20:08:37.5 TD (= 20:07:29.4 UT)

Penumbral Magnitude = 0.9866

P. Radius = 1.2778°

Gamma = -1.0121

Umbral Magnitude = 0.0148

U. Radius = 0.7480°

Axis = 1.0125°

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"

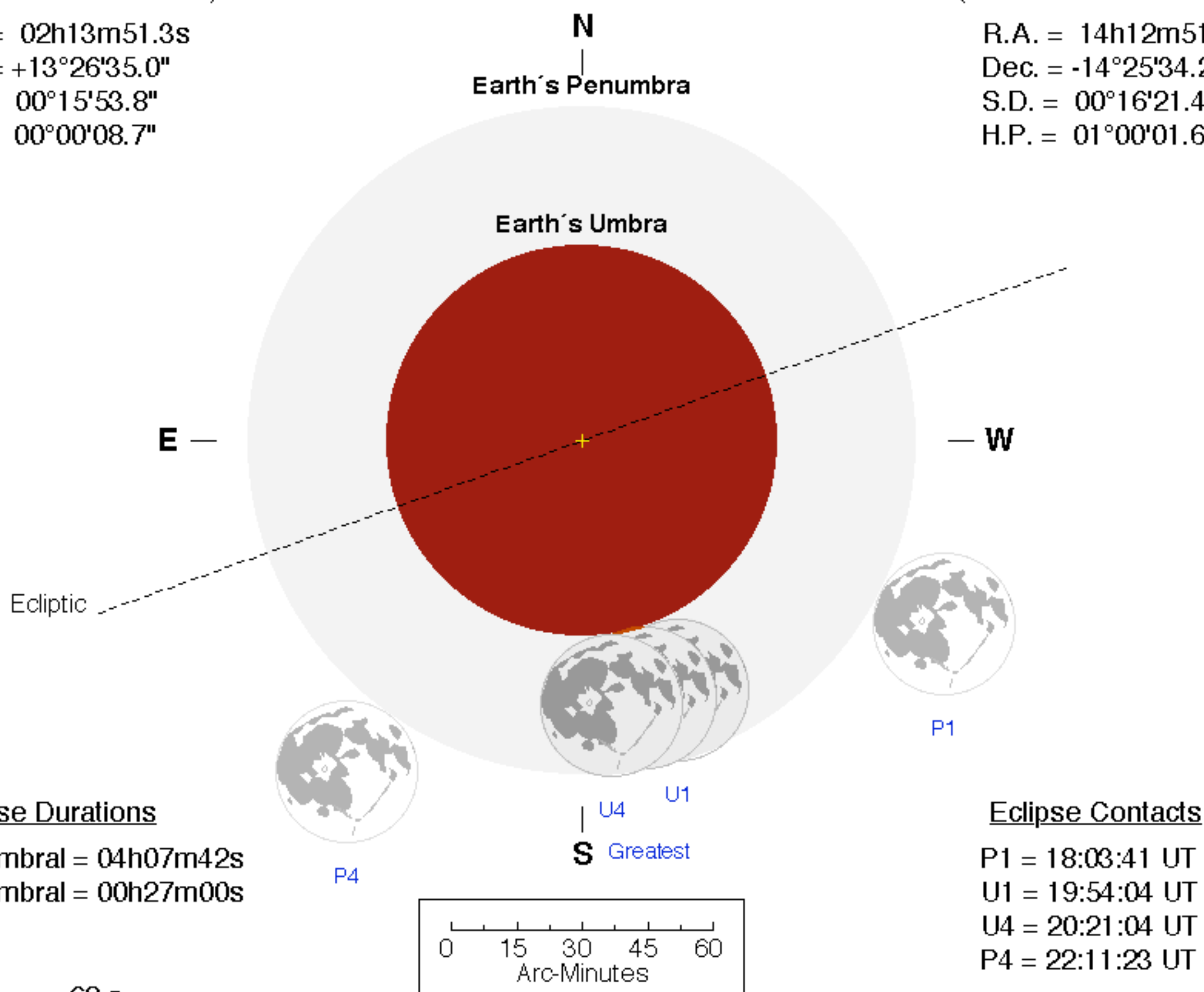
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 14h12m51.4s

Dec. = -14°25'34.2"

S.D. = 00°16'21.4"

H.P. = 01°00'01.6"



Eclipse Durations

Penumbral = 04h07m42s

Umbral = 00h27m00s

Eclipse Contacts

P1 = 18:03:41 UT

U1 = 19:54:04 UT

U4 = 20:21:04 UT

P4 = 22:11:23 UT

$\Delta T = 68$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

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

