

Partial Lunar Eclipse of 1453 May 22

Ecliptic Conjunction = 17:13:21.9 TD (= 17:09:14.2 UT)

Greatest Eclipse = 17:19:57.3 TD (= 17:15:49.5 UT)

Penumbral Magnitude = 1.7450

P. Radius = 1.2376°

Gamma = -0.6067

Umbral Magnitude = 0.7446

U. Radius = 0.7126°

Axis = 0.5842°

Saros Series = 102

Member = 56 of 84

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 04h32m35.5s

Dec. = +21°59'11.7"

S.D. = 00°15'45.1"

H.P. = 00°00'08.7"

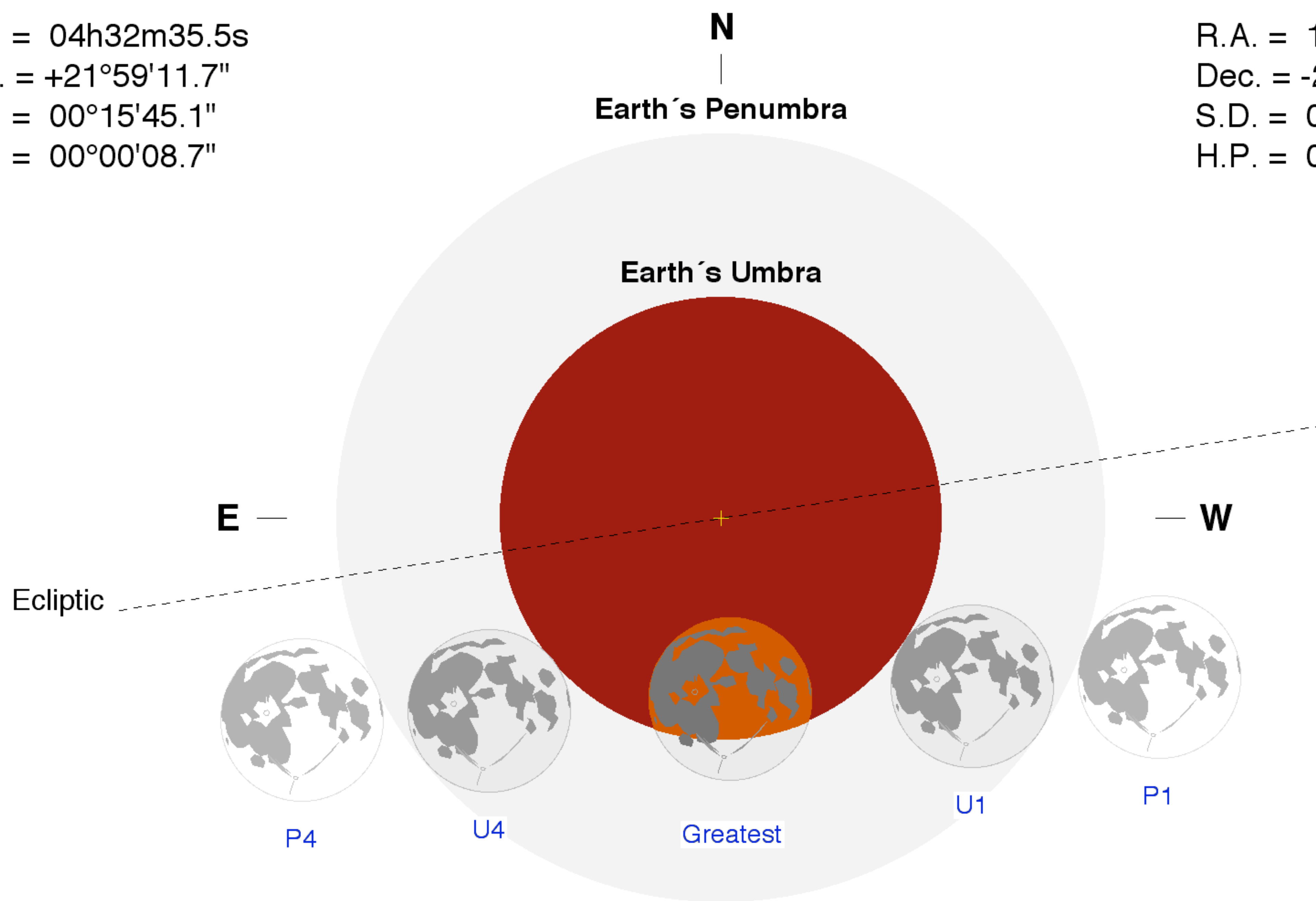
Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 16h32m27.9s

Dec. = -22°34'12.2"

S.D. = 00°15'44.7"

H.P. = 00°57'46.9"



Eclipse Durations

Penumbral = 05h15m27s

Umbral = 02h58m14s

$\Delta T = 248$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

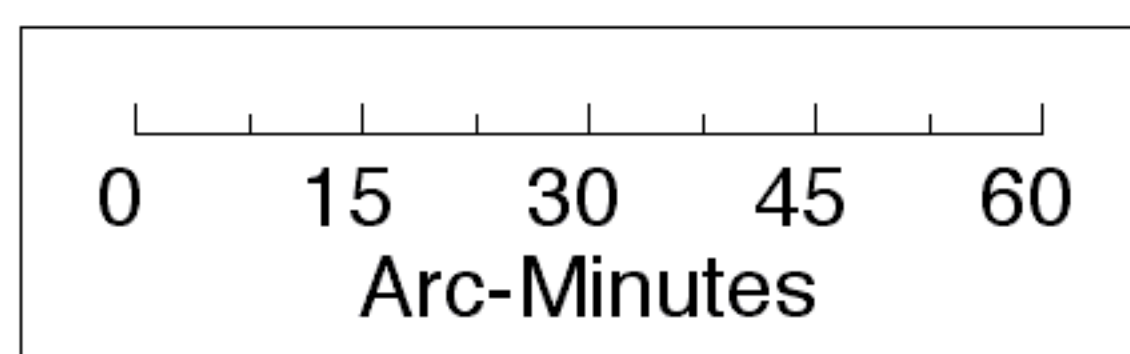
Eclipse Contacts

P1 = 14:38:07 UT

U1 = 15:46:39 UT

U4 = 18:44:54 UT

P4 = 19:53:34 UT



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

