

Total Lunar Eclipse of 1964 Jun 25

Ecliptic Conjunction = 01:08:34.4 TD (= 01:07:59.0 UT)

Greatest Eclipse = 01:06:49.6 TD (= 01:06:14.2 UT)

Penumbral Magnitude = 2.6238

P. Radius = 1.1753°

Gamma = -0.1461

Umbral Magnitude = 1.5565

U. Radius = 0.6509°

Axis = 0.1317°

Saros Series = 129

Member = 35 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 06h15m16.1s

Dec. = +23°23'50.0"

S.D. = 00°15'44.1"

H.P. = 00°00'08.7"

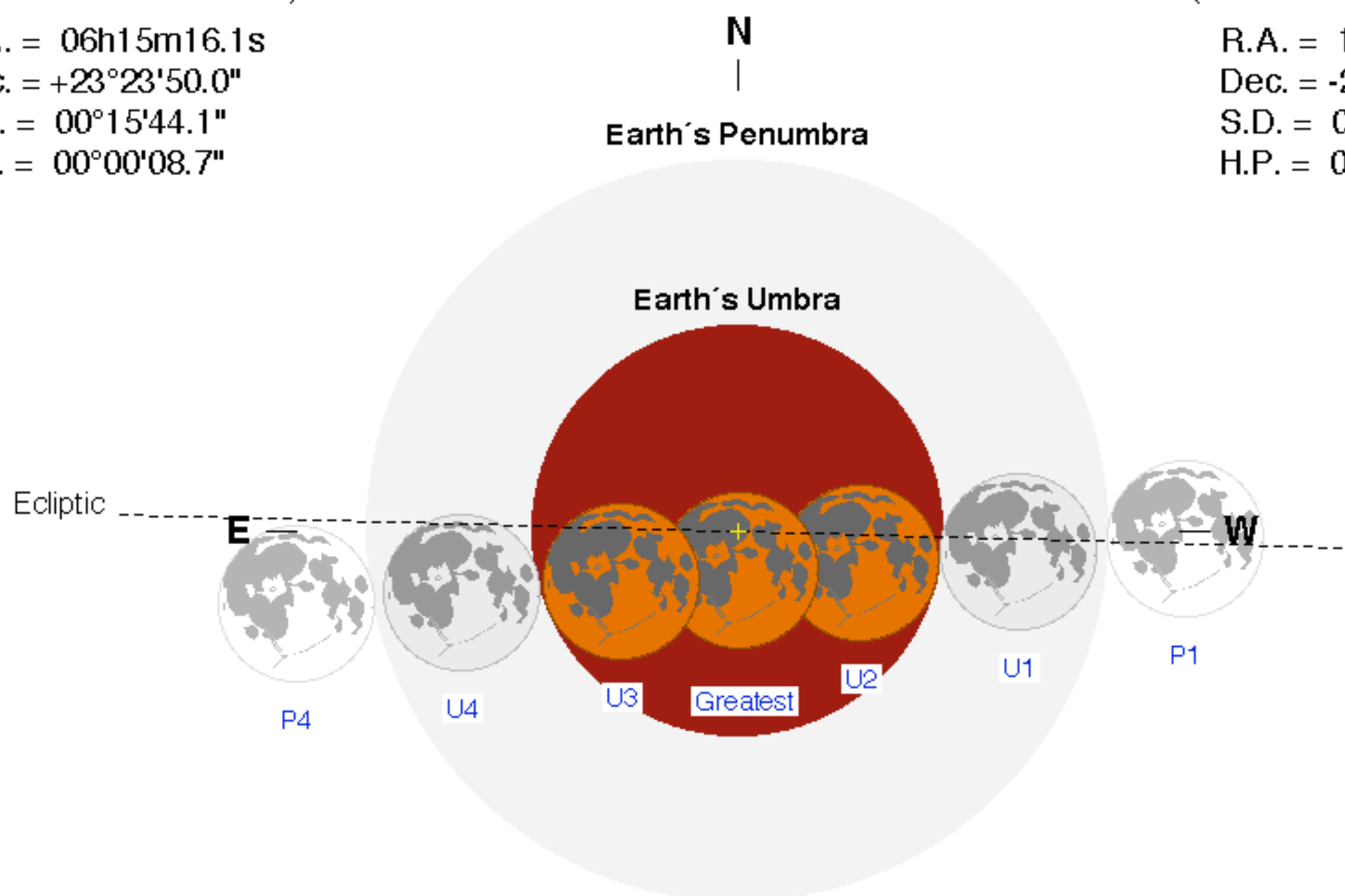
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 18h15m13.5s

Dec. = -23°31'42.9"

S.D. = 00°14'44.5"

H.P. = 00°54'06.1"



Eclipse Durations

Penumbral = 06h12m05s

Umbral = 03h53m14s

Total = 01h40m47s

$\Delta T = 35$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 22:00:11 UT

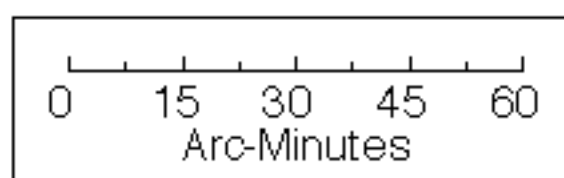
U1 = 23:09:37 UT

U2 = 00:15:51 UT

U3 = 01:56:38 UT

U4 = 03:02:52 UT

P4 = 04:12:16 UT



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

