

Total Lunar Eclipse of 2079 Oct 10

Ecliptic Conjunction = 17:25:56.9 TD (= 17:23:20.7 UT)

Greatest Eclipse = 17:30:29.9 TD (= 17:27:53.7 UT)

Penumbral Magnitude = 2.0786

P. Radius = 1.2592°

Gamma = -0.4246

Umbral Magnitude = 1.0791

U. Radius = 0.7254°

Axis = 0.4161°

Saros Series = 128 Member = 44 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 13h04m50.3s

Dec. = -06°53'53.5"

S.D. = 00°16'00.8"

H.P. = 00°00'08.8"

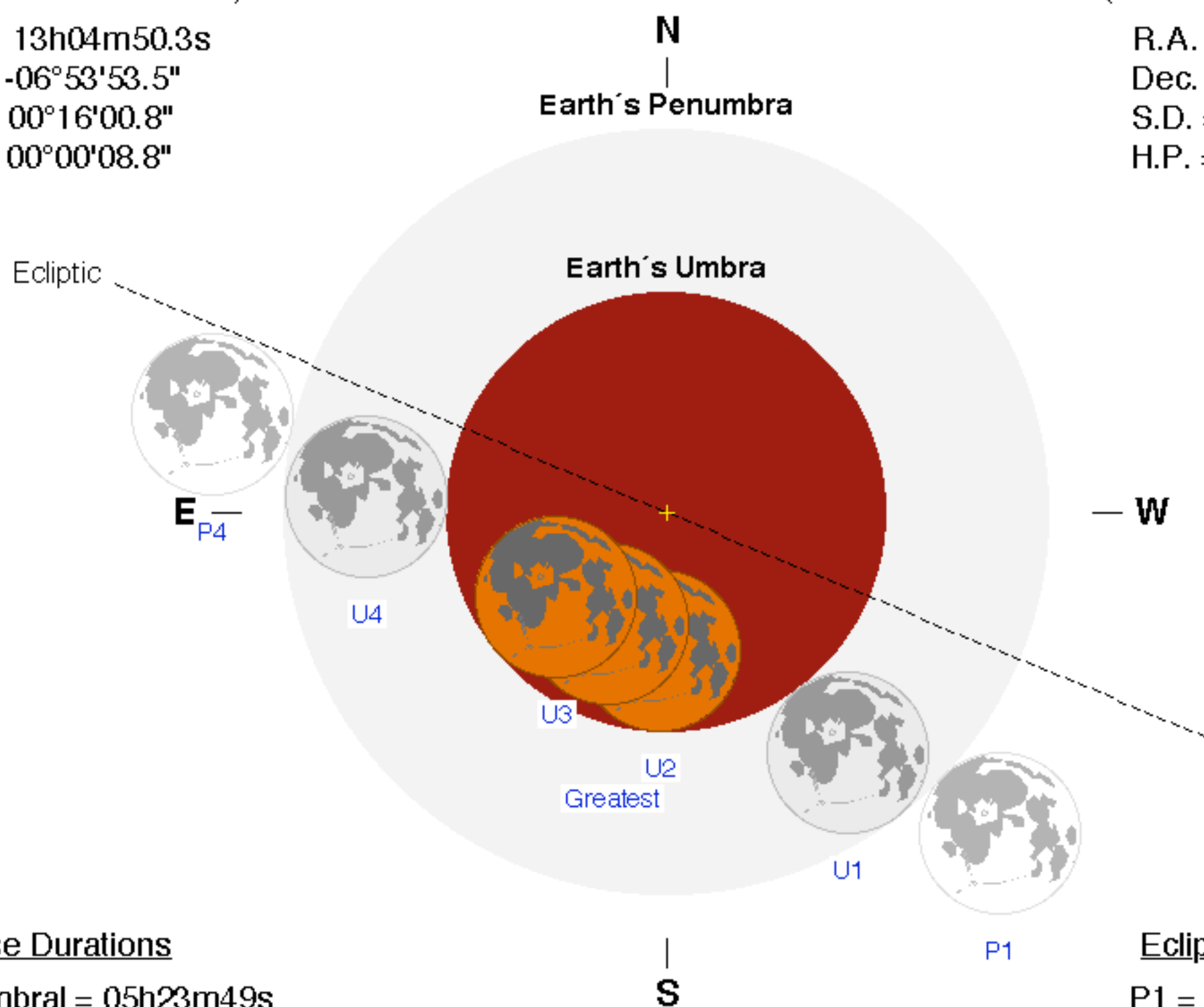
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 01h05m37.6s

Dec. = +06°31'52.1"

S.D. = 00°16'01.3"

H.P. = 00°58'48.1"



Eclipse Durations

Penumbral = 05h23m49s

Umbral = 03h18m42s

Total = 00h42m24s

$\Delta T = 156$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 14:45:56 UT

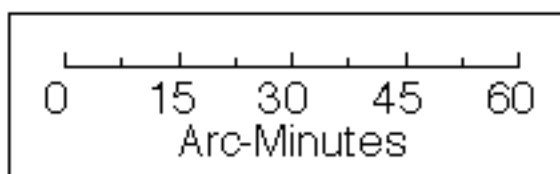
U1 = 15:48:34 UT

U2 = 17:06:43 UT

U3 = 17:49:07 UT

U4 = 19:07:17 UT

P4 = 20:09:46 UT



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

