

Total Lunar Eclipse of 2069 May 06

Ecliptic Conjunction = 09:13:11.3 TD (= 09:10:57.9 UT)

Greatest Eclipse = 09:09:56.5 TD (= 09:07:43.1 UT)

Penumbral Magnitude = 2.3965

P. Radius = 1.1791°

Gamma = 0.2717

Umbral Magnitude = 1.3229

U. Radius = 0.6506°

Axis = 0.2455°

Saros Series = 132 Member = 33 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 02h55m56.2s

Dec. = +16°44'53.3"

S.D. = 00°15'51.4"

H.P. = 00°00'08.7"

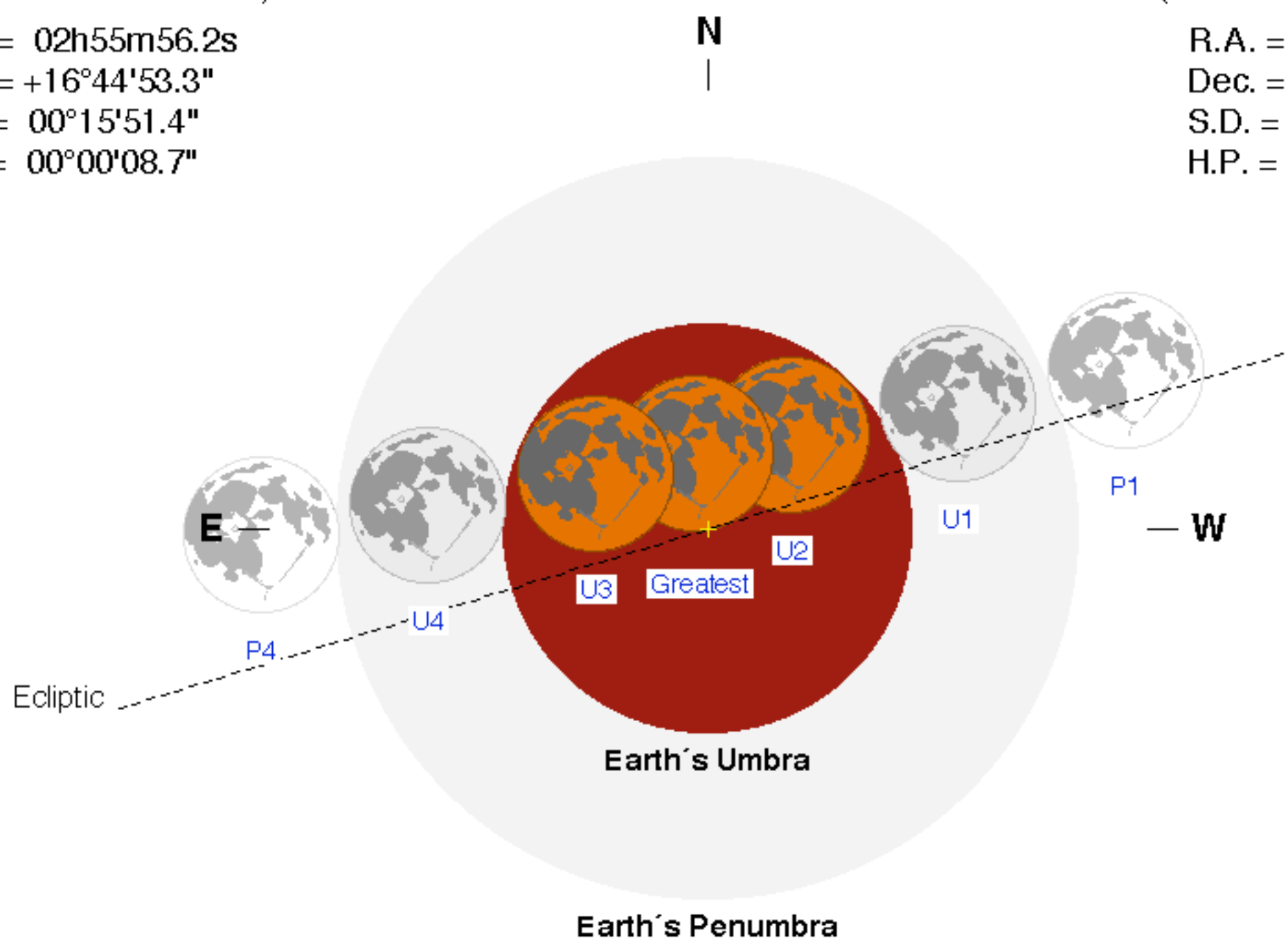
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 14h56m07.8s

Dec. = -16°30'25.4"

S.D. = 00°14'46.2"

H.P. = 00°54'12.3"



Eclipse Durations

Penumbral = 06h08m07s

Umbral = 03h46m11s

Total = 01h24m18s

$\Delta T = 133$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 06:03:38 UT

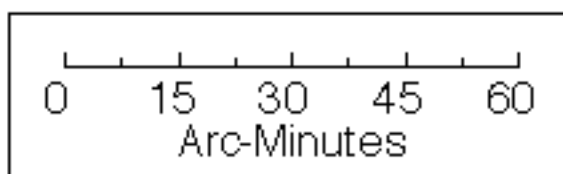
U1 = 07:14:38 UT

U2 = 08:25:35 UT

U3 = 09:49:52 UT

U4 = 11:00:49 UT

P4 = 12:11:45 UT



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

