

Total Lunar Eclipse of 1957 Nov 07

Ecliptic Conjunction = 14:32:30.6 TD (= 14:31:58.4 UT)

Greatest Eclipse = 14:27:29.8 TD (= 14:26:57.6 UT)

Penumbral Magnitude = 2.0963

P. Radius = 1.2073°

Gamma = -0.4332

Umbral Magnitude = 1.0305

U. Radius = 0.6692°

Axis = 0.4013°

Saros Series = 135 Member = 20 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 14h49m49.6s

Dec. = -16°18'55.4"

S.D. = 00°16'08.6"

H.P. = 00°00'08.9"

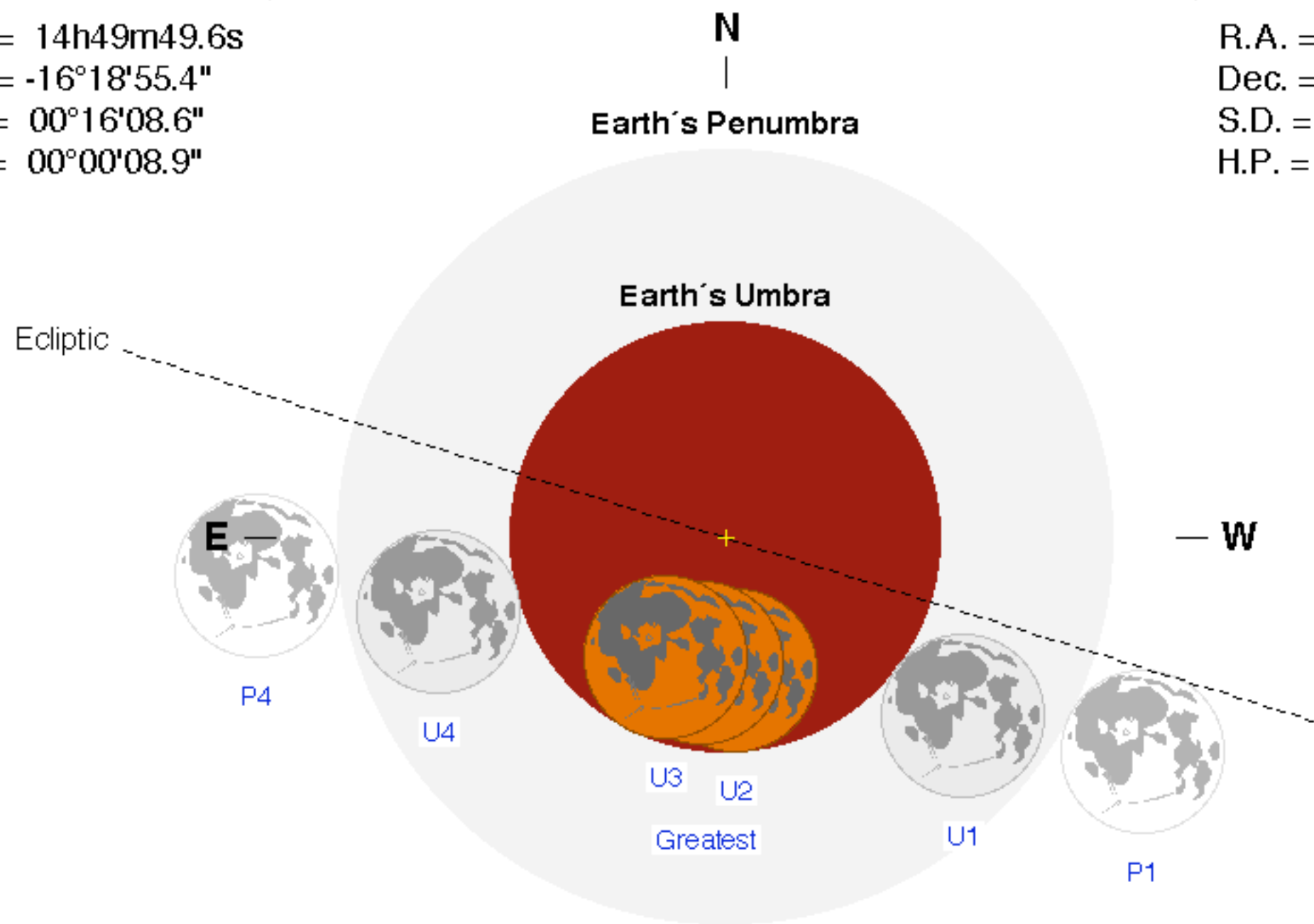
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 02h50m09.3s

Dec. = +15°55'18.7"

S.D. = 00°15'08.8"

H.P. = 00°55'35.5"



Eclipse Durations

Penumbral = 05h49m21s

Umbral = 03h26m32s

Total = 00h27m57s

$\Delta T = 32$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 11:32:15 UT

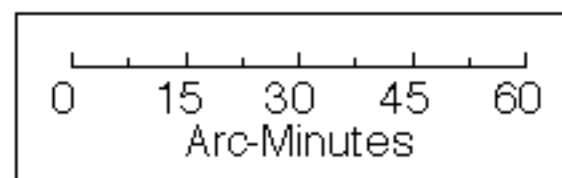
U1 = 12:43:43 UT

U2 = 14:13:01 UT

U3 = 14:40:57 UT

U4 = 16:10:15 UT

P4 = 17:21:36 UT



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eclipse.gsfc.nasa.gov/eclipse.html

