

Total Lunar Eclipse of 2037 Jan 31

Ecliptic Conjunction = 14:05:21.4 TD (= 14:03:58.9 UT)

Greatest Eclipse = 14:01:38.4 TD (= 14:00:16.0 UT)

Penumbral Magnitude = 2.1803

P. Radius = 1.3038°

Gamma = 0.3619

Umbral Magnitude = 1.2074

U. Radius = 0.7627°

Axis = 0.3693°

Saros Series = 134

Member = 28 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 20h57m58.6s

Dec. = -17°10'47.3"

S.D. = 00°16'14.0"

H.P. = 00°00'08.9"

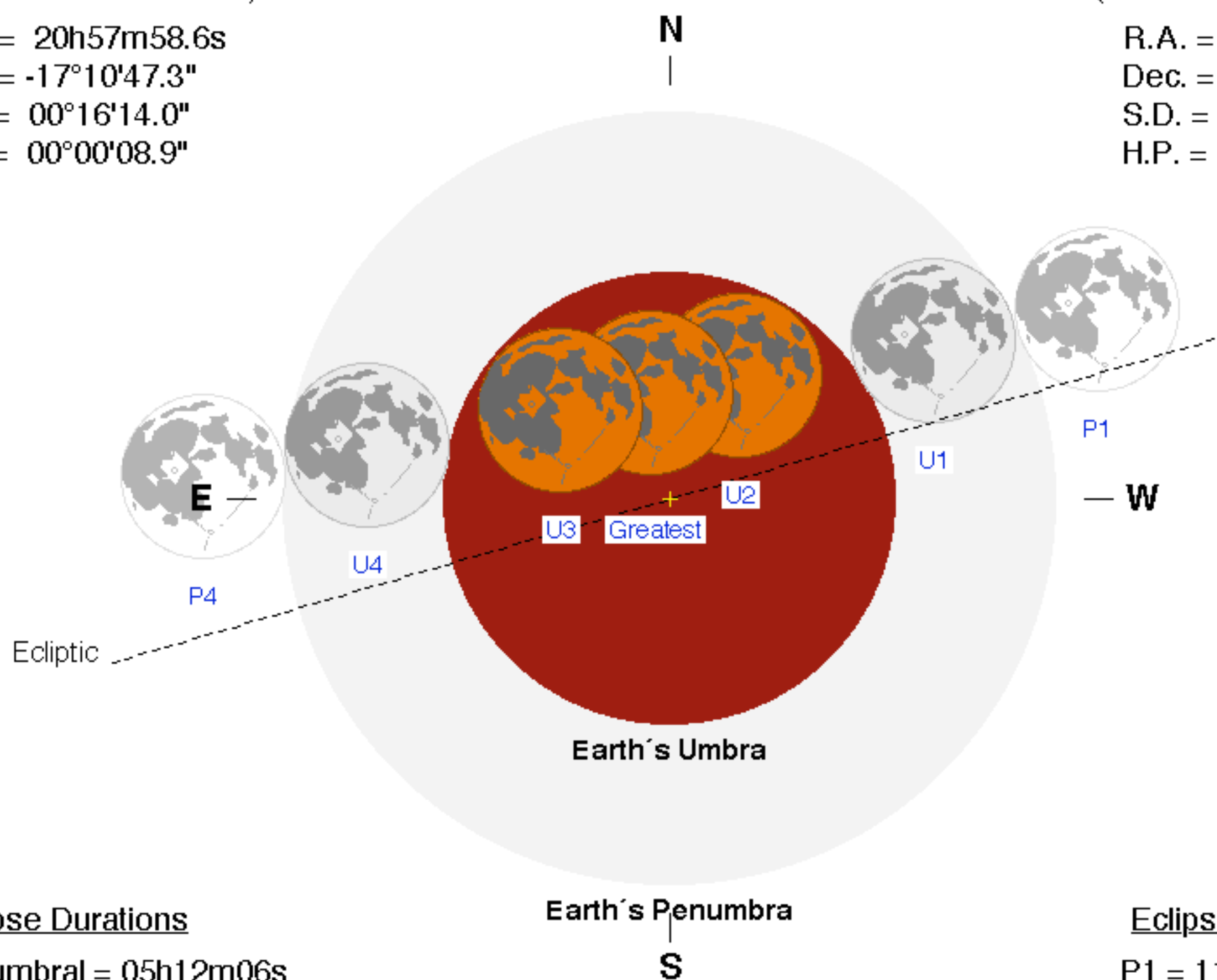
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 08h58m15.6s

Dec. = +17°32'34.5"

S.D. = 00°16'41.1"

H.P. = 01°01'14.2"



Eclipse Durations

Penumbral = 05h12m06s

Umbral = 03h17m28s

Total = 01h03m41s

$\Delta T = 82$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

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P1 = 11:24:12 UT

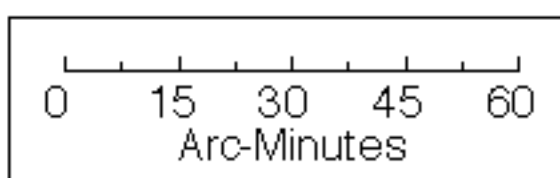
U1 = 12:21:32 UT

U2 = 13:28:26 UT

U3 = 14:32:07 UT

U4 = 15:39:00 UT

P4 = 16:36:18 UT



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

