

Total Lunar Eclipse of 1946 Dec 08

Ecliptic Conjunction = 17:52:25.1 TD (= 17:51:57.3 UT)

Greatest Eclipse = 17:48:28.3 TD (= 17:48:00.5 UT)

Penumbral Magnitude = 2.1337

P. Radius = 1.3076°

Gamma = 0.3864

Umbral Magnitude = 1.1639

U. Radius = 0.7663°

Axis = 0.3958°

Saros Series = 134

Member = 23 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 16h59m23.8s

Dec. = -22°42'56.8"

S.D. = 00°16'14.4"

H.P. = 00°00'08.9"

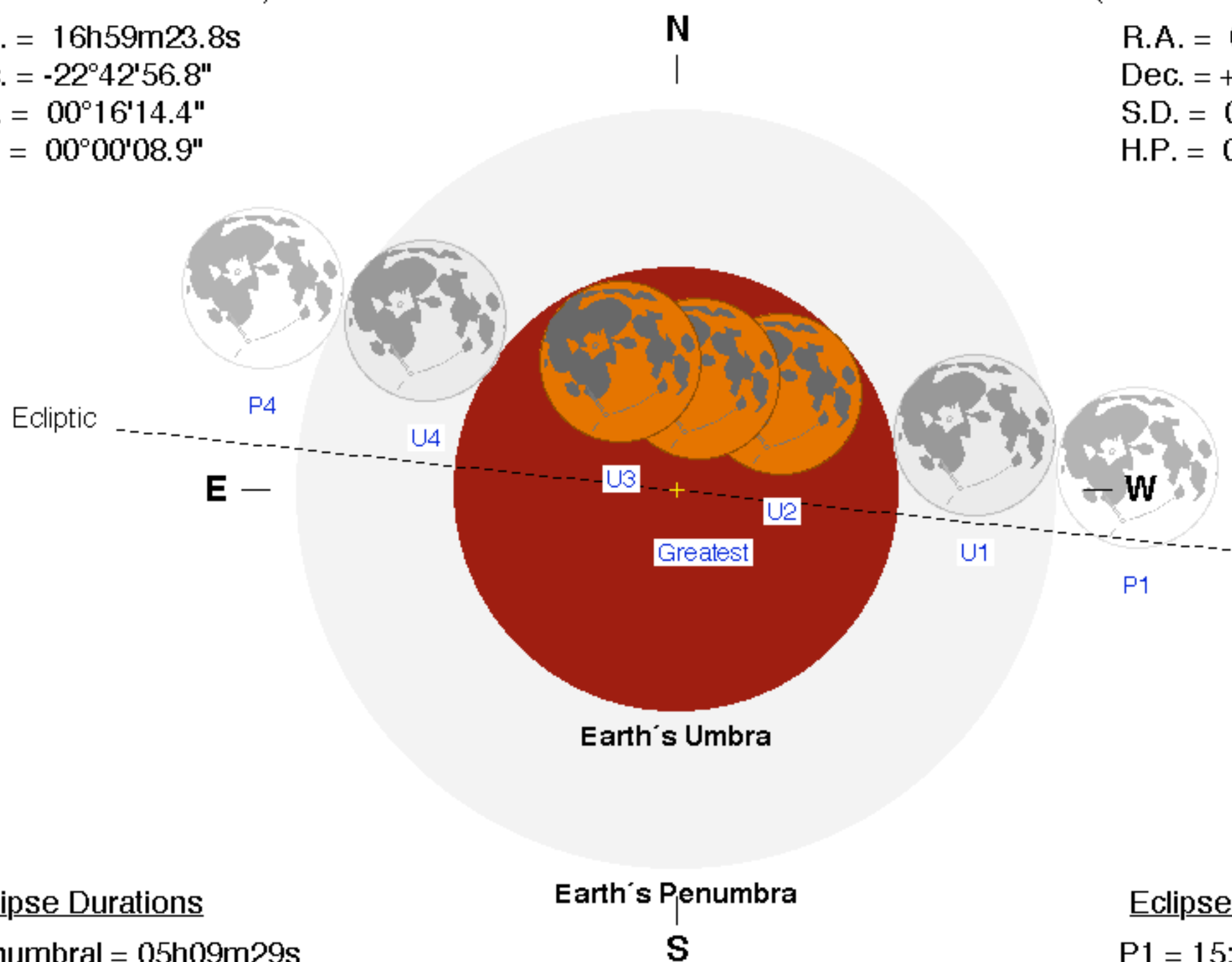
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 04h59m03.0s

Dec. = +23°06'12.2"

S.D. = 00°16'44.7"

H.P. = 01°01'27.3"



Eclipse Durations

Penumbral = 05h09m29s

Umbral = 03h14m54s

Total = 00h57m15s

$\Delta T = 28$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

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P1 = 15:13:16 UT

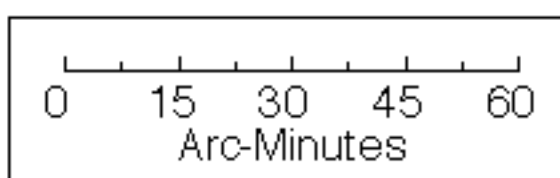
U1 = 16:10:34 UT

U2 = 17:19:23 UT

U3 = 18:16:38 UT

U4 = 19:25:28 UT

P4 = 20:22:45 UT



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

