

Total Lunar Eclipse of 1992 Dec 09

Ecliptic Conjunction = 23:41:39.6 TD (= 23:40:40.5 UT)

Greatest Eclipse = 23:45:04.8 TD (= 23:44:05.7 UT)

Penumbral Magnitude = 2.2915

P. Radius = 1.2563°

Gamma = 0.3144

Umbral Magnitude = 1.2709

U. Radius = 0.7149°

Axis = 0.3060°

Saros Series = 125

Member = 47 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 17h08m34.5s

Dec. = -22°54'48.3"

S.D. = 00°16'14.5"

H.P. = 00°00'08.9"

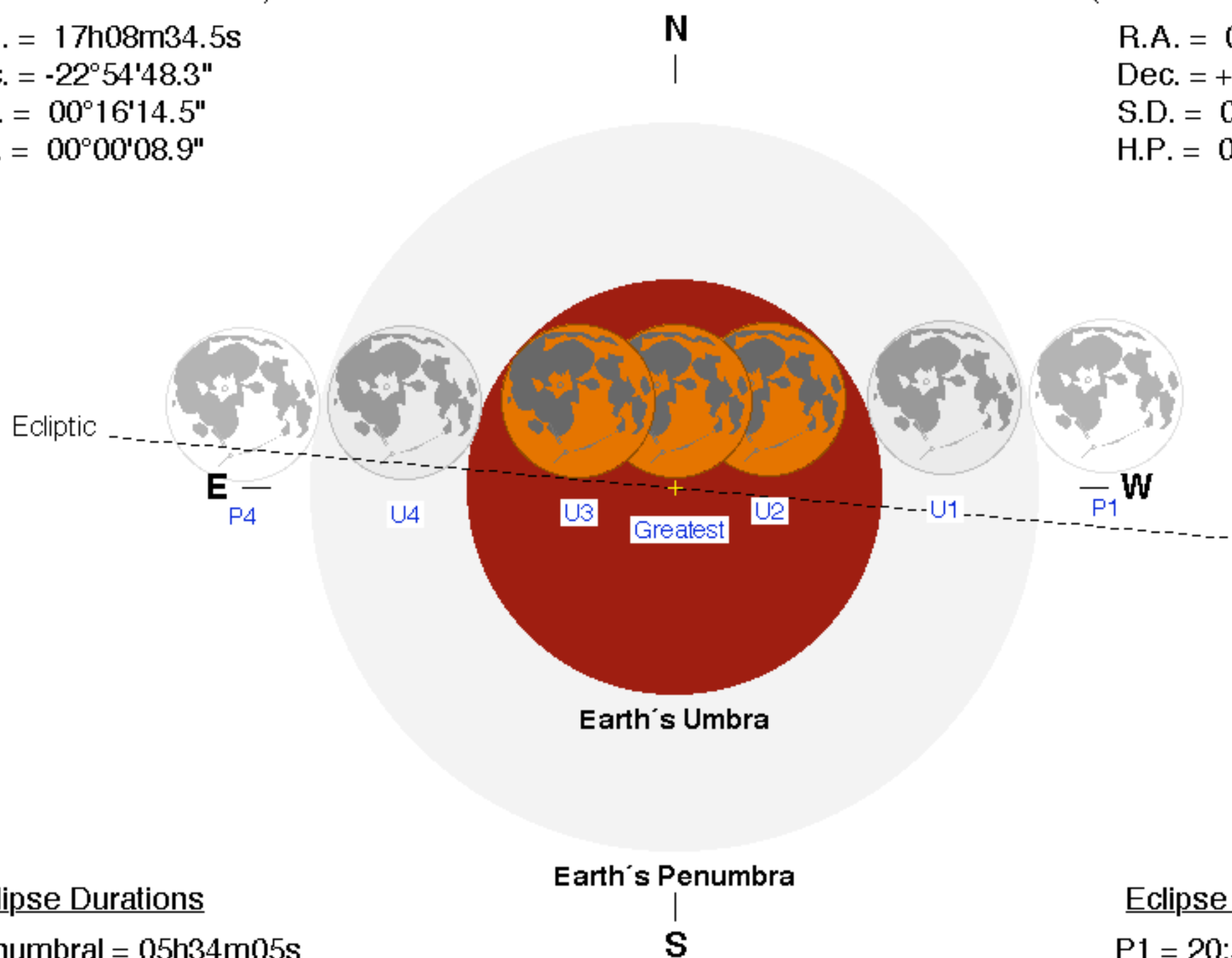
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 05h08m35.3s

Dec. = +23°13'09.8"

S.D. = 00°15'54.8"

H.P. = 00°58'24.2"



Eclipse Durations

Penumbral = 05h34m05s

Umbral = 03h28m45s

Total = 01h13m53s

$\Delta T = 59$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 20:57:01 UT

U1 = 21:59:45 UT

U2 = 23:07:10 UT

U3 = 00:21:03 UT

U4 = 01:28:29 UT

P4 = 02:31:05 UT

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

