

Total Lunar Eclipse of 1573 Dec 08

Ecliptic Conjunction = 19:17:59.9 TD (= 19:15:47.2 UT)

Greatest Eclipse = 19:16:16.5 TD (= 19:14:03.8 UT)

Penumbral Magnitude = 2.5617

P. Radius = 1.2764°

Gamma = 0.1620

Umbral Magnitude = 1.5597

U. Radius = 0.7342°

Axis = 0.1608°

Saros Series = 118

Member = 27 of 74

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 17h46m12.7s

Dec. = -23°27'24.0"

S.D. = 00°16'16.0"

H.P. = 00°00'08.9"

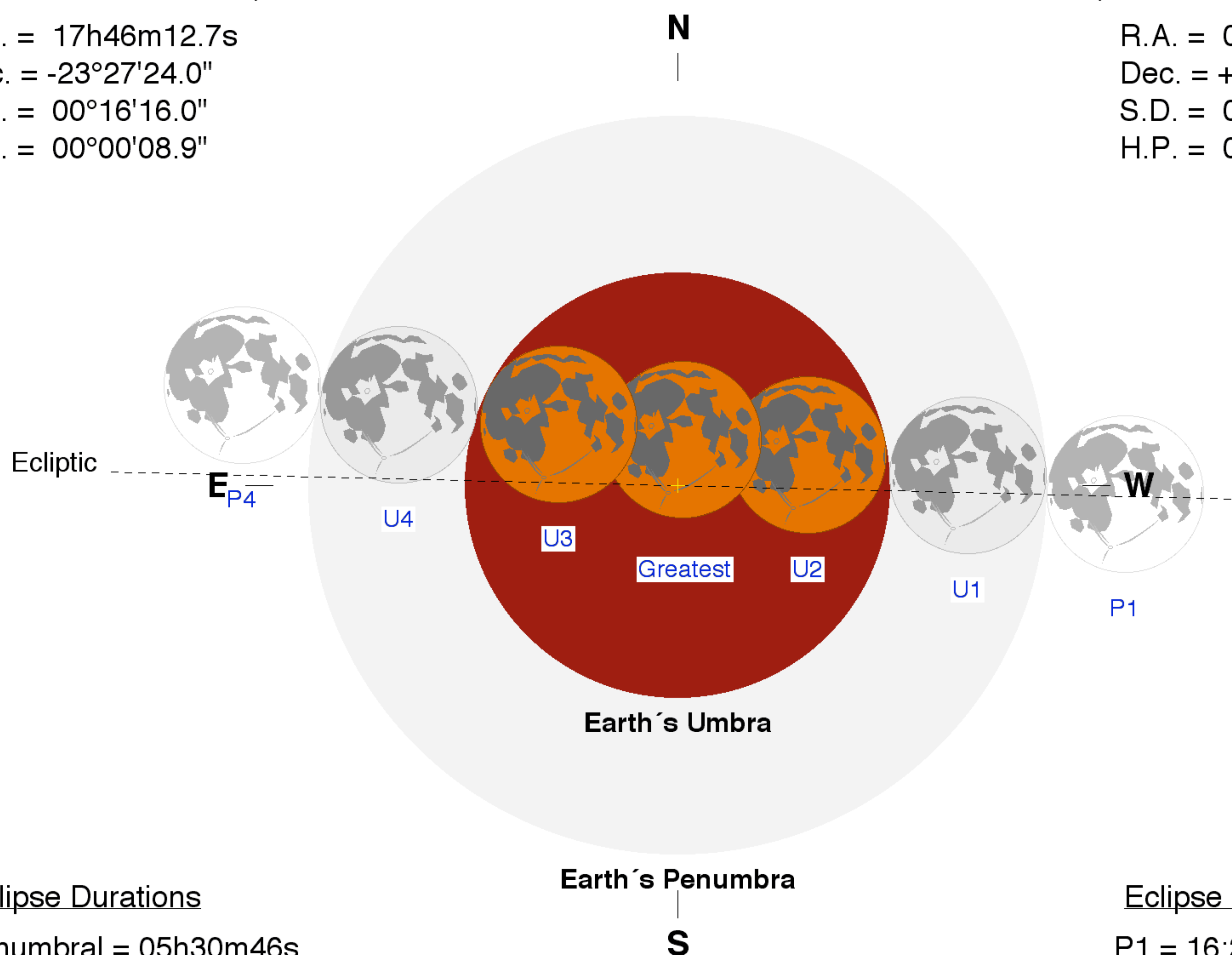
Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 05h46m07.5s

Dec. = +23°36'58.7"

S.D. = 00°16'14.0"

H.P. = 00°59'34.6"



Eclipse Durations

Penumbral = 05h30m46s

Umbral = 03h33m15s

Total = 01h33m31s

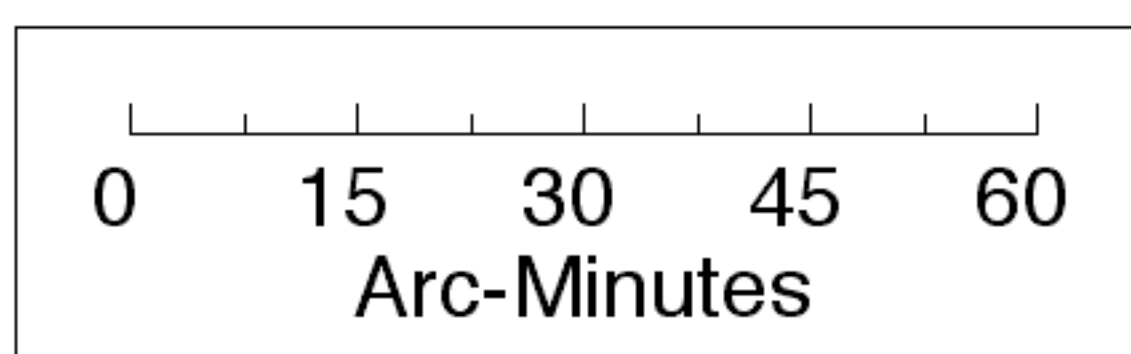
$\Delta T = 133$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Earth's Penumbra

S



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

Eclipse Contacts

P1 = 16:28:44 UT

U1 = 17:27:25 UT

U2 = 18:27:18 UT

U3 = 20:00:49 UT

U4 = 21:00:40 UT

P4 = 21:59:29 UT

