

Total Lunar Eclipse of 1993 Jun 04

Ecliptic Conjunction = 13:03:12.3 TD (= 13:02:12.8 UT)

Greatest Eclipse = 13:01:26.1 TD (= 13:00:26.6 UT)

Penumbral Magnitude = 2.5532

P. Radius = 1.2475°

Gamma = 0.1638

Umbral Magnitude = 1.5617

U. Radius = 0.7220°

Axis = 0.1593°

Saros Series = 130

Member = 33 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 04h50m12.3s

Dec. = +22°28'11.9"

S.D. = 00°15'45.9"

H.P. = 00°00'08.7"

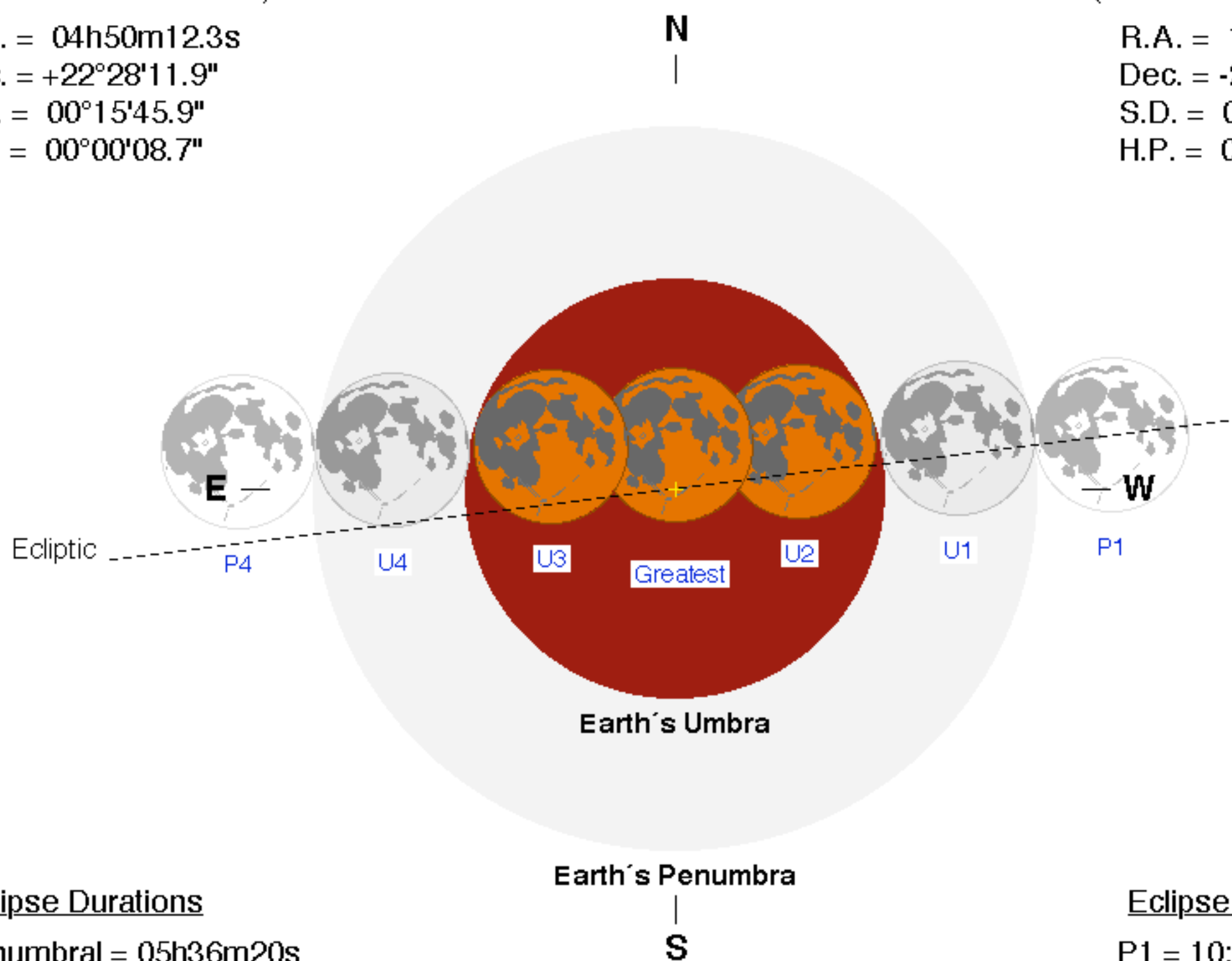
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 16h50m13.2s

Dec. = -22°18'38.7"

S.D. = 00°15'54.0"

H.P. = 00°58'21.4"



Eclipse Durations

Penumbral = 05h36m20s

Umbral = 03h37m50s

Total = 01h35m48s

$\Delta T = 59$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 10:12:20 UT

U1 = 11:11:30 UT

U2 = 12:12:32 UT

U3 = 13:48:20 UT

U4 = 14:49:21 UT

P4 = 15:48:39 UT

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

