

Total Lunar Eclipse of 1909 Nov 27

Ecliptic Conjunction = 08:51:50.1 TD (= 08:51:39.8 UT)

Greatest Eclipse = 08:54:40.7 TD (= 08:54:30.5 UT)

Penumbral Magnitude = 2.3544

P. Radius = 1.2860°

Gamma = -0.2712

Umbral Magnitude = 1.3660

U. Radius = 0.7456°

Axis = 0.2721°

Saros Series = 124

Member = 43 of 74

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 16h10m04.8s

Dec. = -21°03'00.7"

S.D. = 00°16'12.8"

H.P. = 00°00'08.9"

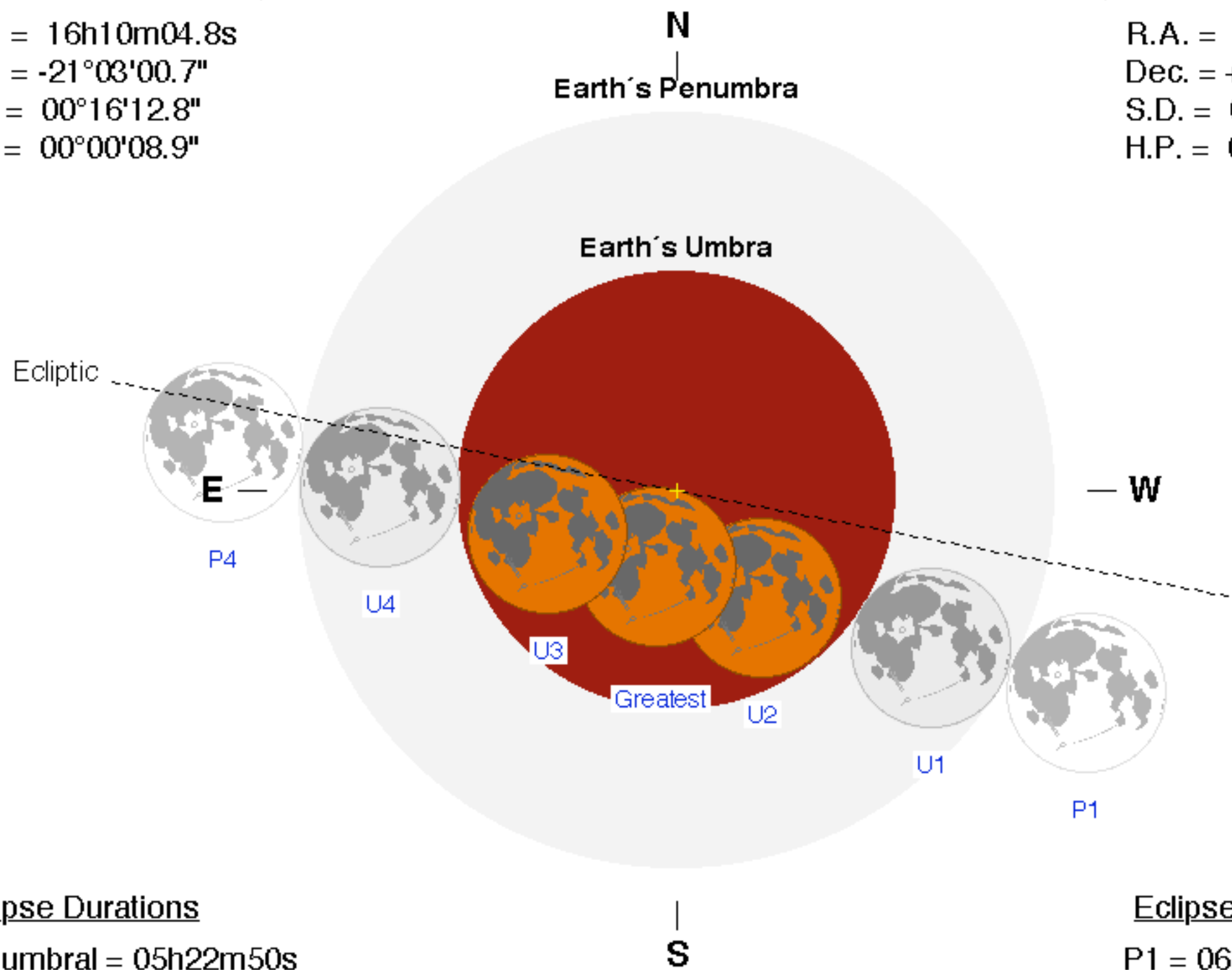
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 04h10m24.4s

Dec. = +20°47'20.1"

S.D. = 00°16'24.1"

H.P. = 01°00'11.8"



Eclipse Durations

Penumbral = 05h22m50s

Umbral = 03h26m29s

Total = 01h21m09s

$\Delta T = 10$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 06:13:07 UT

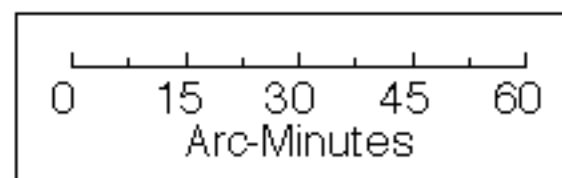
U1 = 07:11:15 UT

U2 = 08:13:55 UT

U3 = 09:35:04 UT

U4 = 10:37:44 UT

P4 = 11:35:57 UT



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eclipse.gsfc.nasa.gov/eclipse.html

