

Total Lunar Eclipse of 1974 Nov 29

Ecliptic Conjunction = 15:10:48.7 TD (= 15:10:03.3 UT)

Greatest Eclipse = 15:14:07.2 TD (= 15:13:21.9 UT)

Penumbral Magnitude = 2.3057

P. Radius = 1.2586°

Gamma = 0.3054

Umbral Magnitude = 1.2896

U. Radius = 0.7181°

Axis = 0.2981°

Saros Series = 125

Member = 46 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 16h20m46.5s

Dec. = -21°29'03.2"

S.D. = 00°16'13.0"

H.P. = 00°00'08.9"

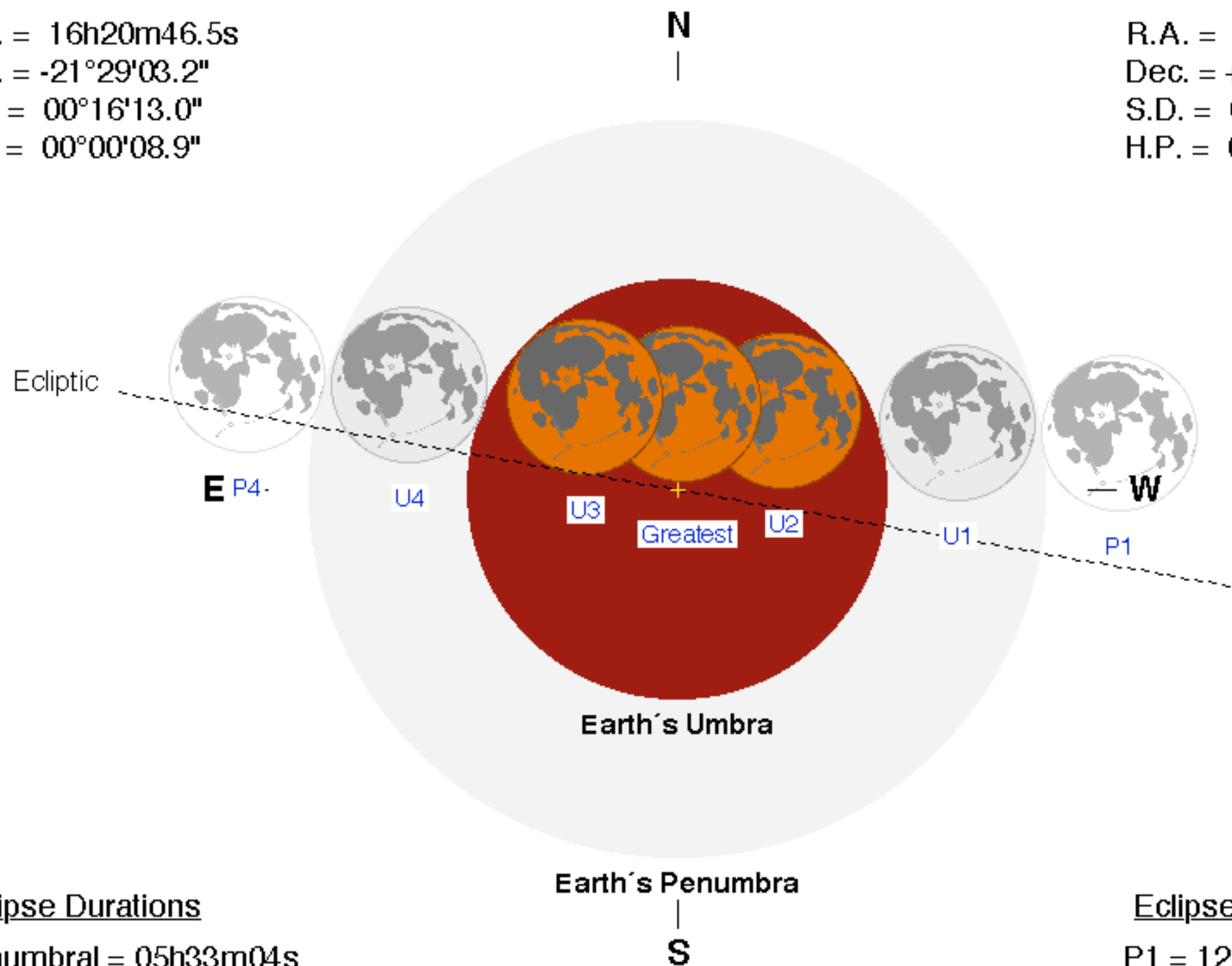
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 04h20m41.2s

Dec. = +21°46'53.8"

S.D. = 00°15'57.5"

H.P. = 00°58'34.1"



Eclipse Durations

Penumbral = 05h33m04s

Umbral = 03h28m57s

Total = 01h15m45s

$\Delta T = 45$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 12:26:47 UT

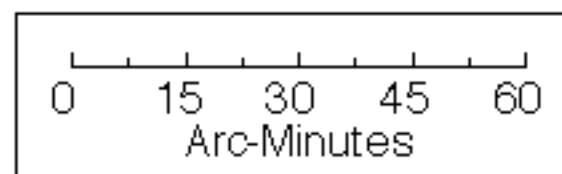
U1 = 13:28:55 UT

U2 = 14:35:31 UT

U3 = 15:51:15 UT

U4 = 16:57:52 UT

P4 = 17:59:52 UT



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eclipse.gsfc.nasa.gov/eclipse.html

