

Total Lunar Eclipse of 2061 Sep 29

Ecliptic Conjunction = 09:34:09.0 TD (= 09:32:11.8 UT)

Greatest Eclipse = 09:38:13.1 TD (= 09:36:15.9 UT)

Penumbral Magnitude = 2.1556

P. Radius = 1.2613°

Gamma = -0.3810

Umbral Magnitude = 1.1621

U. Radius = 0.7291°

Axis = 0.3745°

Saros Series = 128 Member = 43 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h24m54.1s

Dec. = -02°41'28.6"

S.D. = 00°15'57.9"

H.P. = 00°00'08.8"

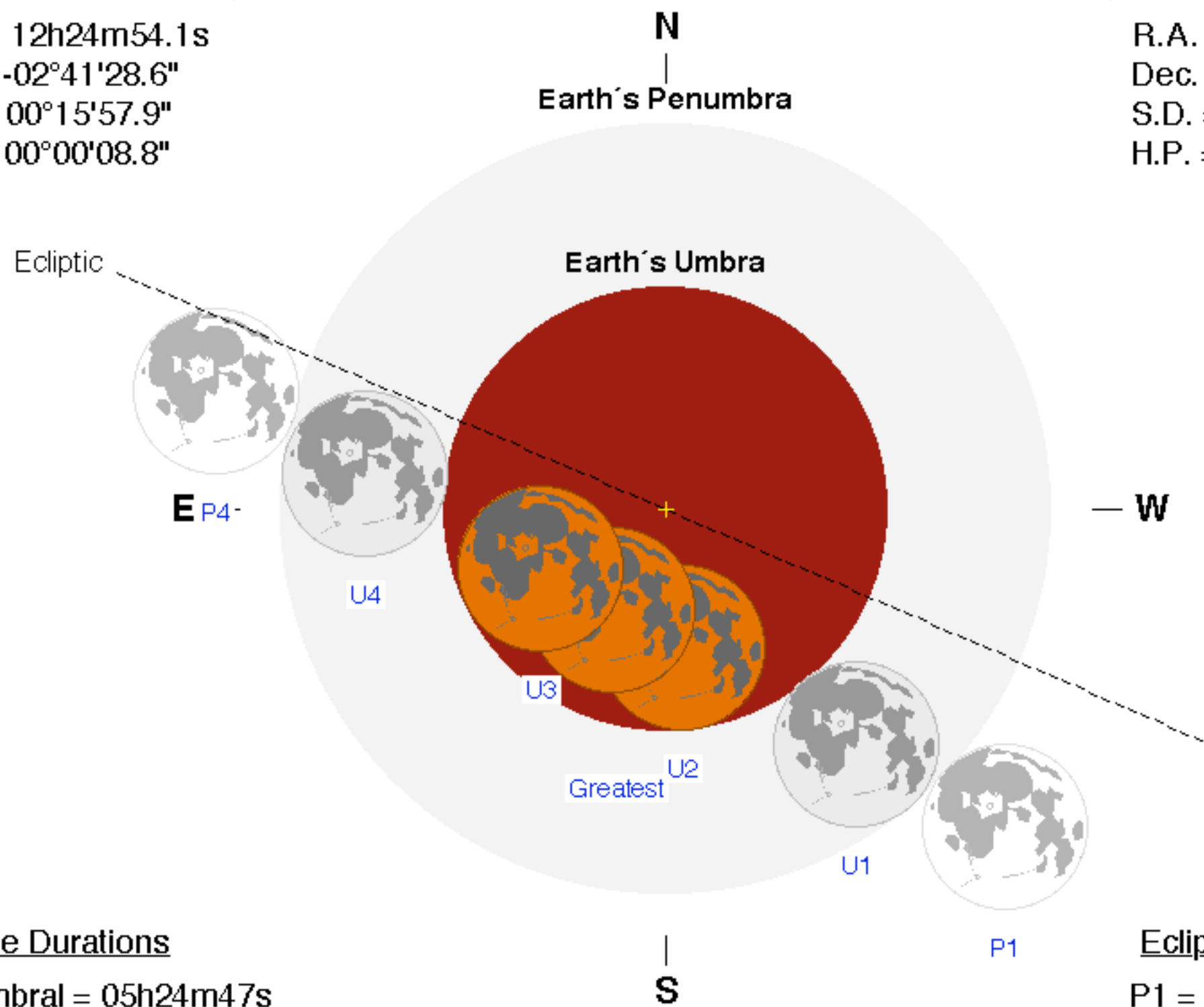
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h25m37.7s

Dec. = +02°21'48.9"

S.D. = 00°16'04.1"

H.P. = 00°58'58.4"



Eclipse Durations

Penumbral = 05h24m47s

Umbral = 03h22m25s

Total = 00h59m01s

$\Delta T = 117$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 06:53:49 UT

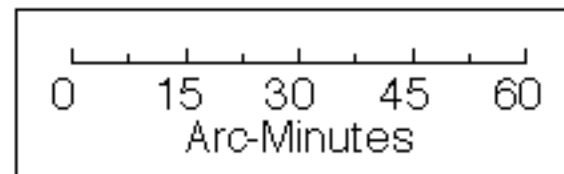
U1 = 07:55:05 UT

U2 = 09:06:47 UT

U3 = 10:05:48 UT

U4 = 11:17:30 UT

P4 = 12:18:37 UT



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eclipse.gsfc.nasa.gov/eclipse.html

