

Total Lunar Eclipse of 2043 Sep 19

Ecliptic Conjunction = 01:48:18.3 TD (= 01:46:50.7 UT)

Greatest Eclipse = 01:51:49.8 TD (= 01:50:22.2 UT)

Penumbral Magnitude = 2.2433

P. Radius = 1.2633°

Gamma = -0.3316

Umbral Magnitude = 1.2556

U. Radius = 0.7328°

Axis = 0.3269°

Saros Series = 128

Member = 42 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h45m28.0s

Dec. = +01°34'24.3"

S.D. = 00°15'55.0"

H.P. = 00°00'08.8"

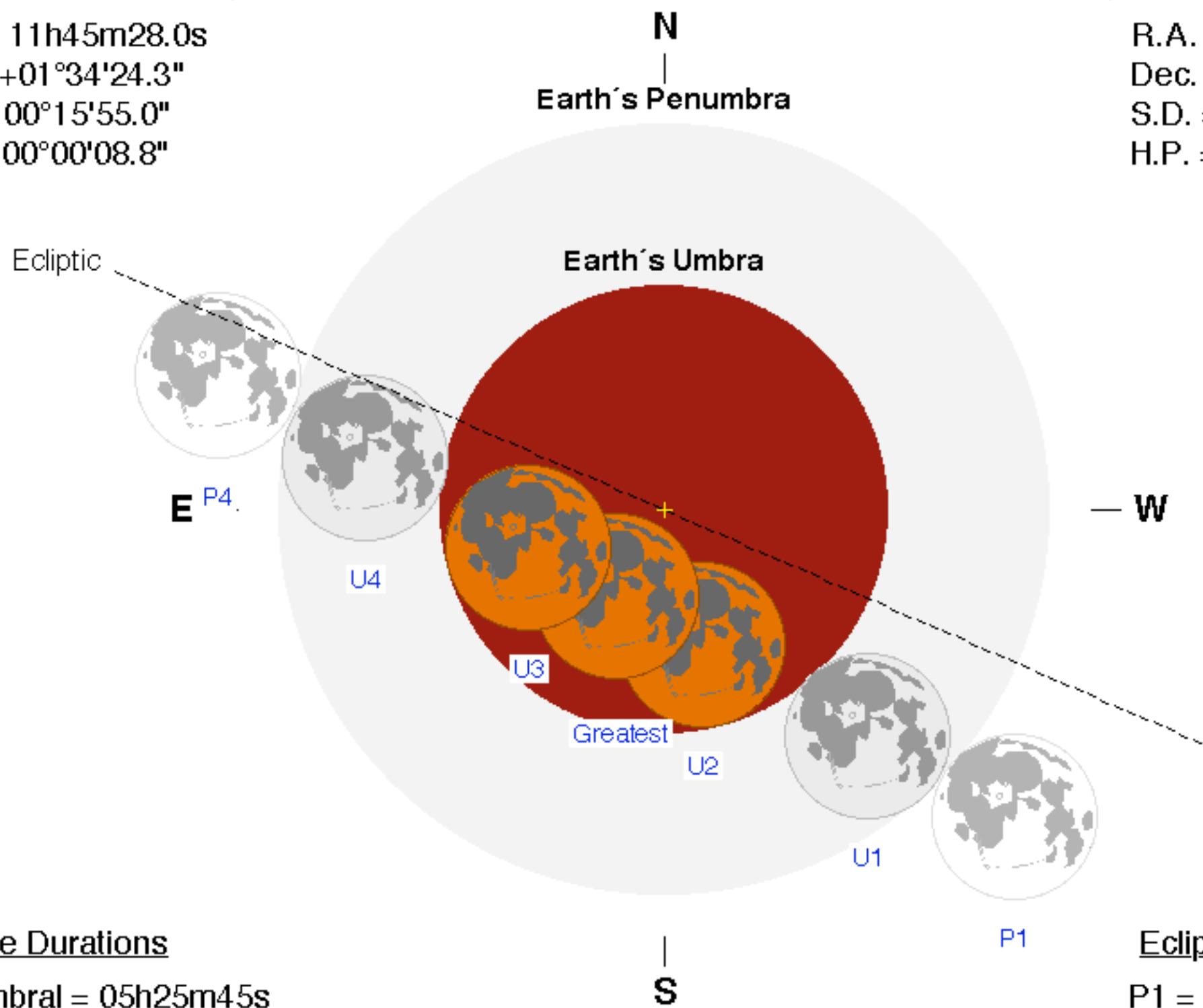
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h46m06.1s

Dec. = -01°51'33.1"

S.D. = 00°16'07.0"

H.P. = 00°59'08.8"



Eclipse Durations

Penumbral = 05h25m45s

Umbral = 03h26m02s

Total = 01h11m44s

$\Delta T = 88$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 23:07:27 UT

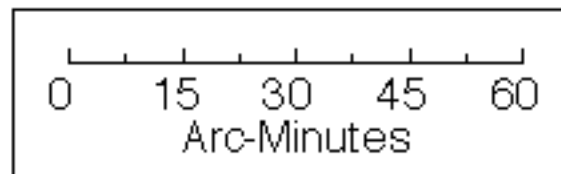
U1 = 00:07:23 UT

U2 = 01:14:31 UT

U3 = 02:26:15 UT

U4 = 03:33:24 UT

P4 = 04:33:12 UT



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eclipse.gsfc.nasa.gov/eclipse.html

