

Total Lunar Eclipse of 1997 Sep 16

Ecliptic Conjunction = 18:51:32.0 TD (= 18:50:29.3 UT)

Greatest Eclipse = 18:47:41.8 TD (= 18:46:39.0 UT)

Penumbral Magnitude = 2.1417

P. Radius = 1.3016°

Gamma = -0.3768

Umbral Magnitude = 1.1909

U. Radius = 0.7712°

Axis = 0.3857°

Saros Series = 137 Member = 27 of 81

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h37m42.6s

Dec. = +02°24'37.9"

S.D. = 00°15'54.7"

H.P. = 00°00'08.7"

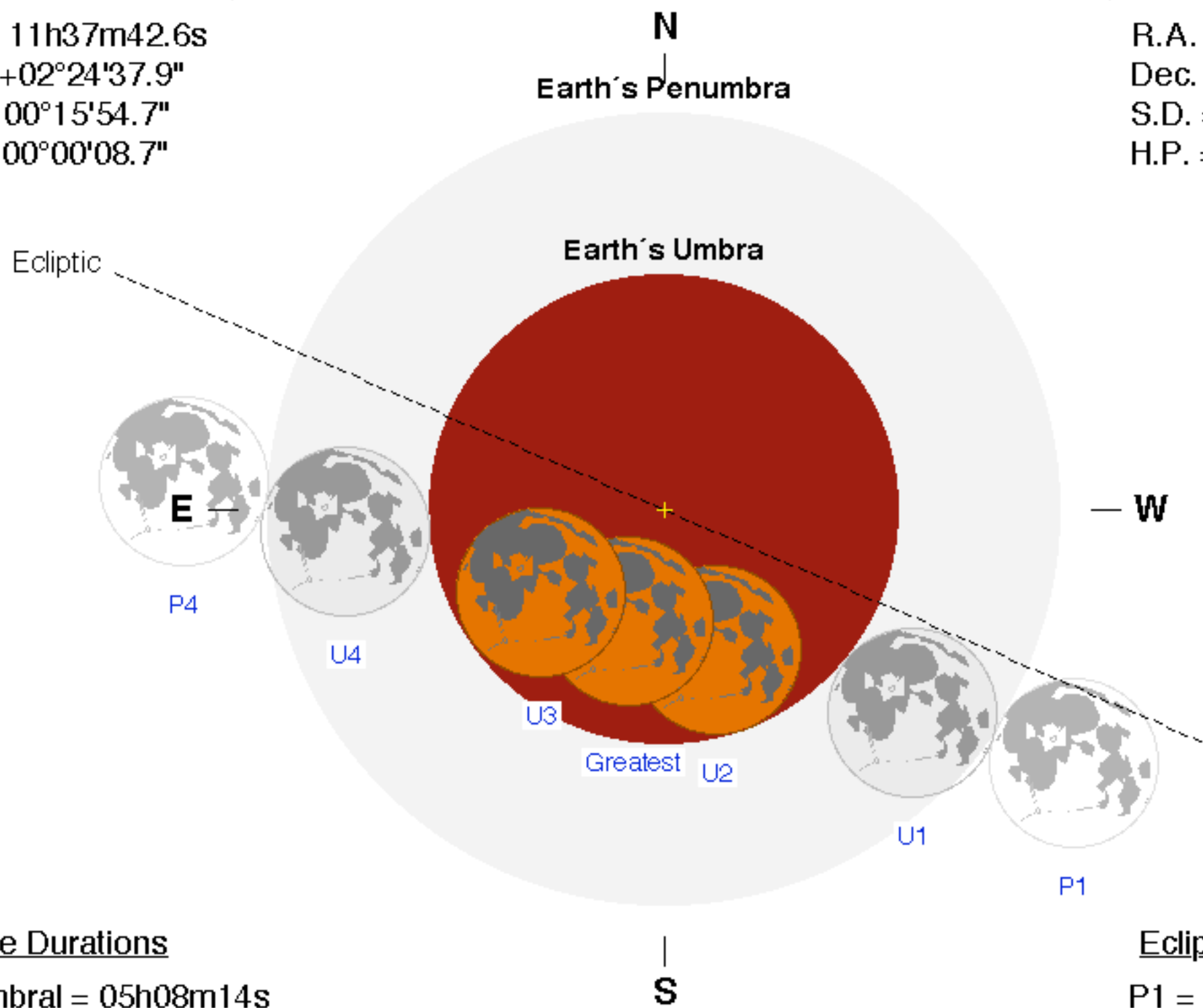
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h38m10.7s

Dec. = -02°46'41.0"

S.D. = 00°16'44.2"

H.P. = 01°01'25.5"



Eclipse Durations

Penumbral = 05h08m14s

Umbral = 03h16m26s

Total = 01h01m31s

$\Delta T = 63$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 16:12:32 UT

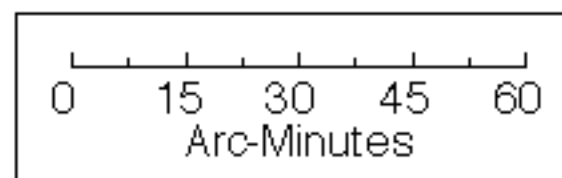
U1 = 17:08:25 UT

U2 = 18:15:54 UT

U3 = 19:17:24 UT

U4 = 20:24:52 UT

P4 = 21:20:46 UT



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eclipse.gsfc.nasa.gov/eclipse.html

