

Partial Lunar Eclipse of 2075 Jun 28

Ecliptic Conjunction = 09:48:39.0 TD (= 09:46:12.2 UT)

Greatest Eclipse = 09:55:35.5 TD (= 09:53:08.7 UT)

Penumbral Magnitude = 1.5624

P. Radius = 1.2983°

Gamma = 0.6897

Umbral Magnitude = 0.6220

U. Radius = 0.7738°

Axis = 0.7058°

Saros Series = 121

Member = 59 of 84

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 06h29m58.9s

Dec. = +23°14'59.1"

S.D. = 00°15'44.0"

H.P. = 00°00'08.7"

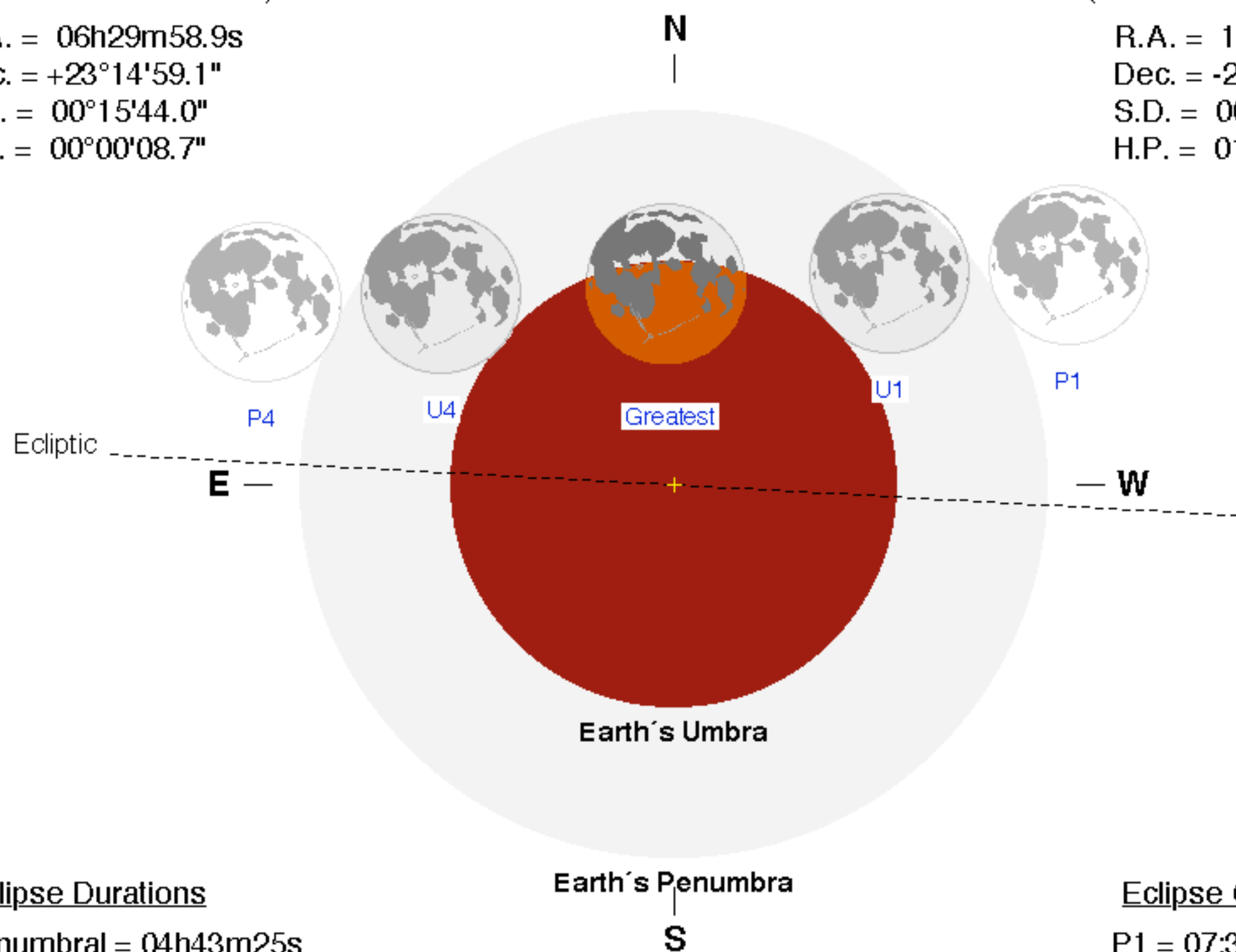
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 18h30m07.3s

Dec. = -22°32'40.9"

S.D. = 00°16'43.9"

H.P. = 01°01'24.2"



Eclipse Durations

Penumbral = 04h43m25s

Umbral = 02h36m58s

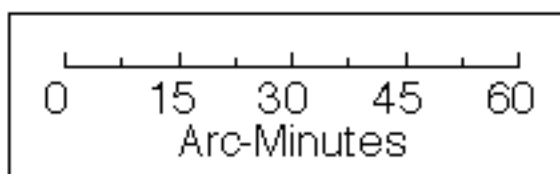
$\Delta T = 147$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Earth's Penumbra

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F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

Eclipse Contacts

P1 = 07:31:26 UT

U1 = 08:34:40 UT

U4 = 11:11:38 UT

P4 = 12:14:51 UT

