

Partial Lunar Eclipse of 2005 Oct 17

Ecliptic Conjunction = 12:14:43.0 TD (= 12:13:38.1 UT)

Greatest Eclipse = 12:04:27.4 TD (= 12:03:22.4 UT)

Penumbral Magnitude = 1.0585

P. Radius = 1.2656°

Gamma = 0.9796

Umbral Magnitude = 0.0625

U. Radius = 0.7305°

Axis = 0.9656°

Saros Series = 146

Member = 10 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 13h29m41.7s

Dec. = -09°23'29.1"

S.D. = 00°16'03.1"

H.P. = 00°00'08.8"

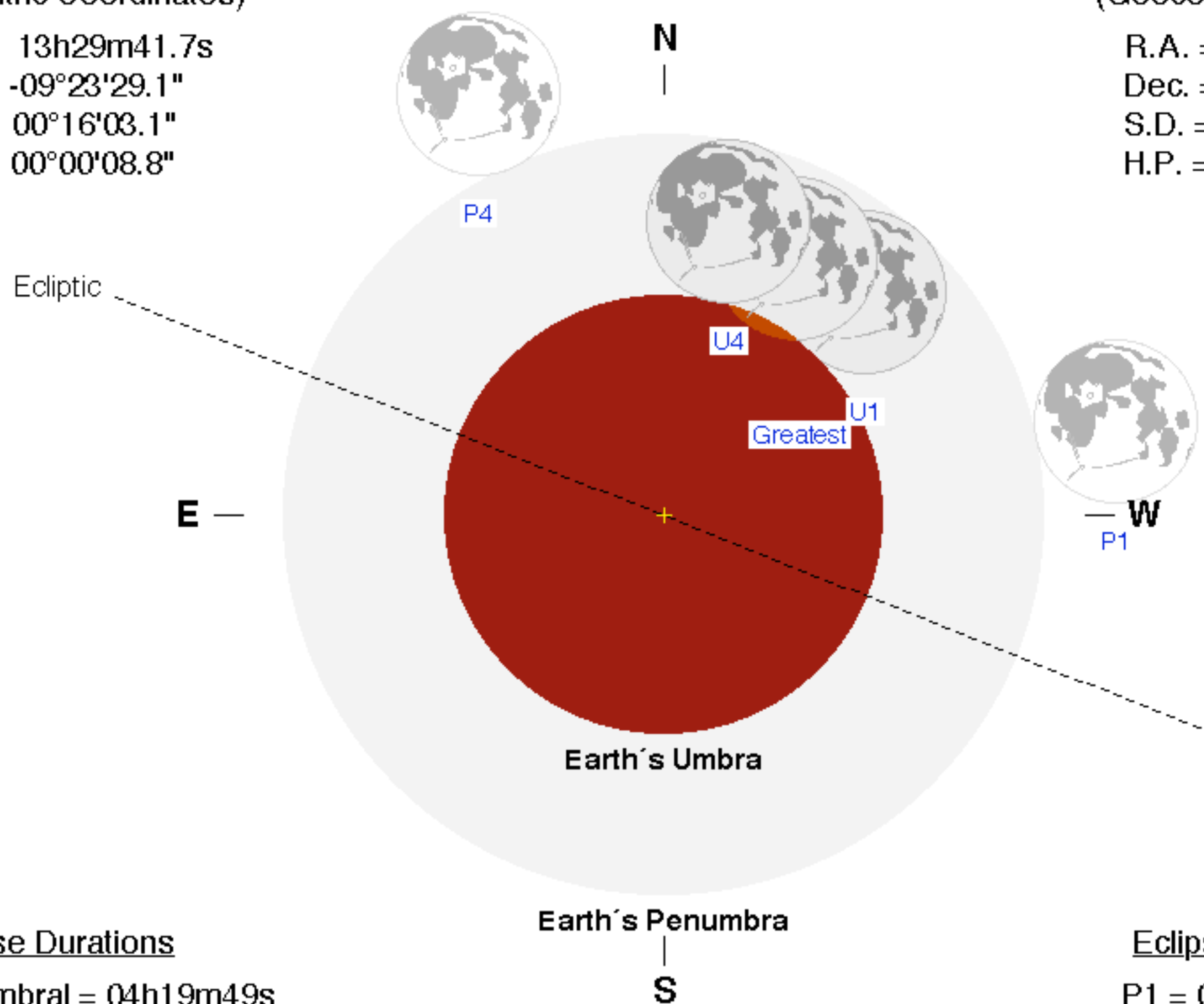
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 01h27m54.3s

Dec. = +10°15'01.3"

S.D. = 00°16'06.9"

H.P. = 00°59'08.7"



Eclipse Durations

Penumbral = 04h19m49s

Umbral = 00h55m58s

Eclipse Contacts

P1 = 09:53:27 UT

U1 = 11:35:18 UT

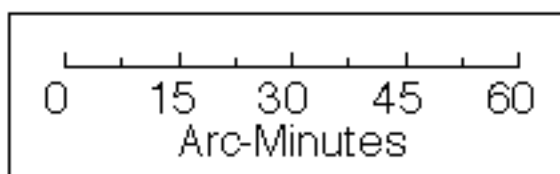
U4 = 12:31:16 UT

P4 = 14:13:16 UT

$\Delta T = 65$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85



F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html

