

Partial Lunar Eclipse of 2077 Jun 06

Ecliptic Conjunction = 15:09:03.7 TD (= 15:06:32.7 UT)

Greatest Eclipse = 14:59:52.1 TD (= 14:57:21.1 UT)

Penumbral Magnitude = 1.3257

P. Radius = 1.2260°

Gamma = -0.8387

Umbral Magnitude = 0.3123

U. Radius = 0.7006°

Axis = 0.7979°

Saros Series = 141

Member = 27 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 05h01m37.5s

Dec. = +22°45'07.6"

S.D. = 00°15'45.7"

H.P. = 00°00'08.7"

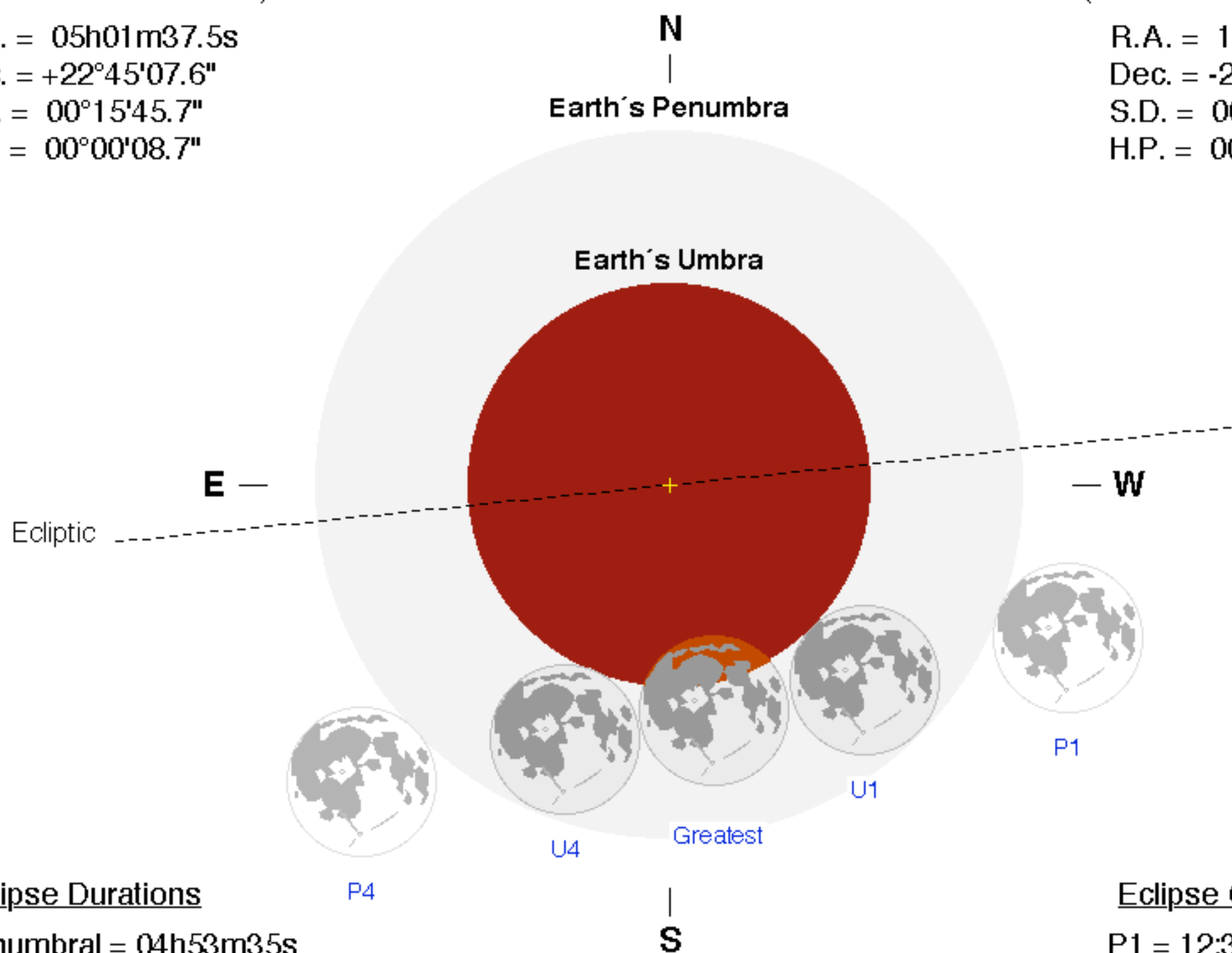
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 17h00m56.3s

Dec. = -23°32'03.4"

S.D. = 00°15'33.2"

H.P. = 00°57'04.8"



Eclipse Durations

Penumbral = 04h53m35s

Umbral = 02h05m02s

Eclipse Contacts

P1 = 12:30:35 UT

U1 = 13:54:55 UT

U4 = 15:59:57 UT

P4 = 17:24:10 UT

$\Delta T = 151$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

