

Partial Lunar Eclipse of 2001 Jul 05

Ecliptic Conjunction = 15:04:50.6 TD (= 15:03:46.4 UT)

Greatest Eclipse = 14:56:23.0 TD (= 14:55:18.8 UT)

Penumbral Magnitude = 1.5475

P. Radius = 1.1878°

Gamma = -0.7287

Umbral Magnitude = 0.4947

U. Radius = 0.6634°

Axis = 0.6660°

Saros Series = 139

Member = 21 of 81

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 06h59m16.1s

Dec. = +22°44'22.5"

S.D. = 00°15'43.9"

H.P. = 00°00'08.7"

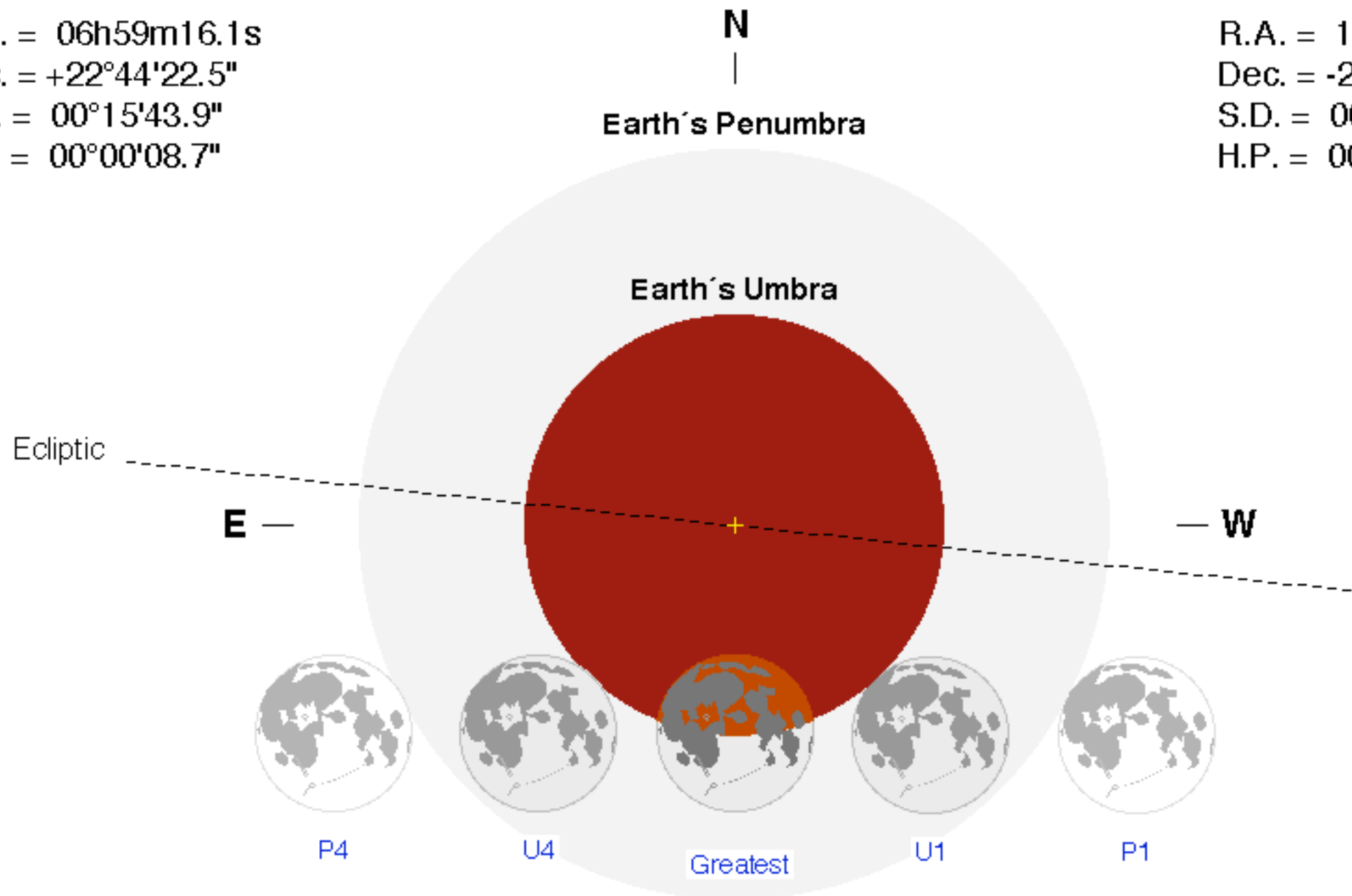
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 18h59m16.6s

Dec. = -23°24'20.1"

S.D. = 00°14'56.6"

H.P. = 00°54'50.4"



Eclipse Durations

Penumbral = 05h25m05s

Umbral = 02h39m16s

$\Delta T = 64$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

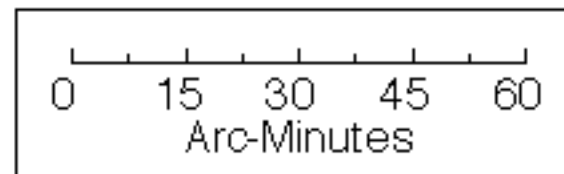
Eclipse Contacts

P1 = 12:12:46 UT

U1 = 13:35:38 UT

U4 = 16:14:54 UT

P4 = 17:37:52 UT



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

