

Partial Lunar Eclipse of 1963 Jul 06

Ecliptic Conjunction = 21:55:58.7 TD (= 21:55:23.9 UT)

Greatest Eclipse = 22:02:58.7 TD (= 22:02:23.9 UT)

Penumbral Magnitude = 1.7360

P. Radius = 1.2081°

Gamma = 0.6197

Umbral Magnitude = 0.7060

U. Radius = 0.6838°

Axis = 0.5789°

Saros Series = 119

Member = 59 of 83

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 07h01m15.5s

Dec. = +22°41'46.3"

S.D. = 00°15'43.9"

H.P. = 00°00'08.6"

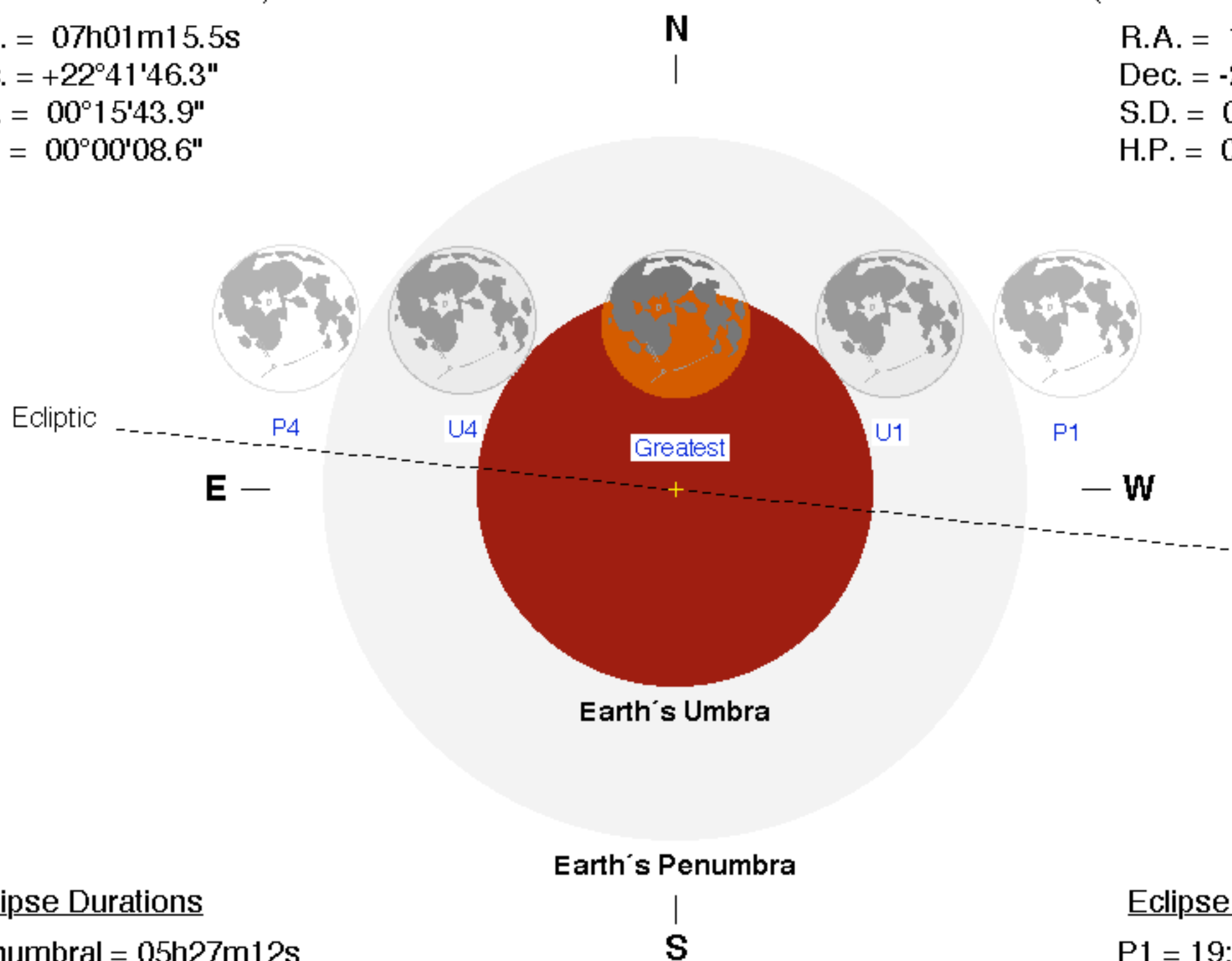
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 19h01m14.6s

Dec. = -22°07'02.3"

S.D. = 00°15'16.4"

H.P. = 00°56'03.1"



Eclipse Durations

Penumbral = 05h27m12s

Umbral = 02h59m54s

Eclipse Contacts

P1 = 19:18:47 UT

U1 = 20:32:30 UT

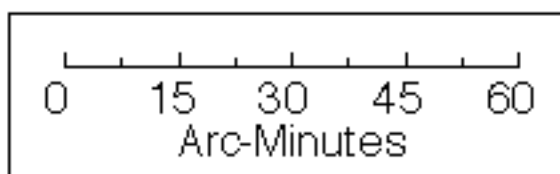
U4 = 23:32:24 UT

P4 = 00:45:59 UT

$\Delta T = 35$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85



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

