

Partial Lunar Eclipse of 2021 Nov 19

Ecliptic Conjunction = 08:58:37.0 TD (= 08:57:24.4 UT)

Greatest Eclipse = 09:04:05.7 TD (= 09:02:53.1 UT)

Penumbral Magnitude = 2.0720

P. Radius = 1.1829°

Gamma = -0.4552

Umbral Magnitude = 0.9742

U. Radius = 0.6434°

Axis = 0.4104°

Saros Series = 126

Member = 46 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 15h39m50.9s

Dec. = -19°32'33.1"

S.D. = 00°16'11.0"

H.P. = 00°00'08.9"

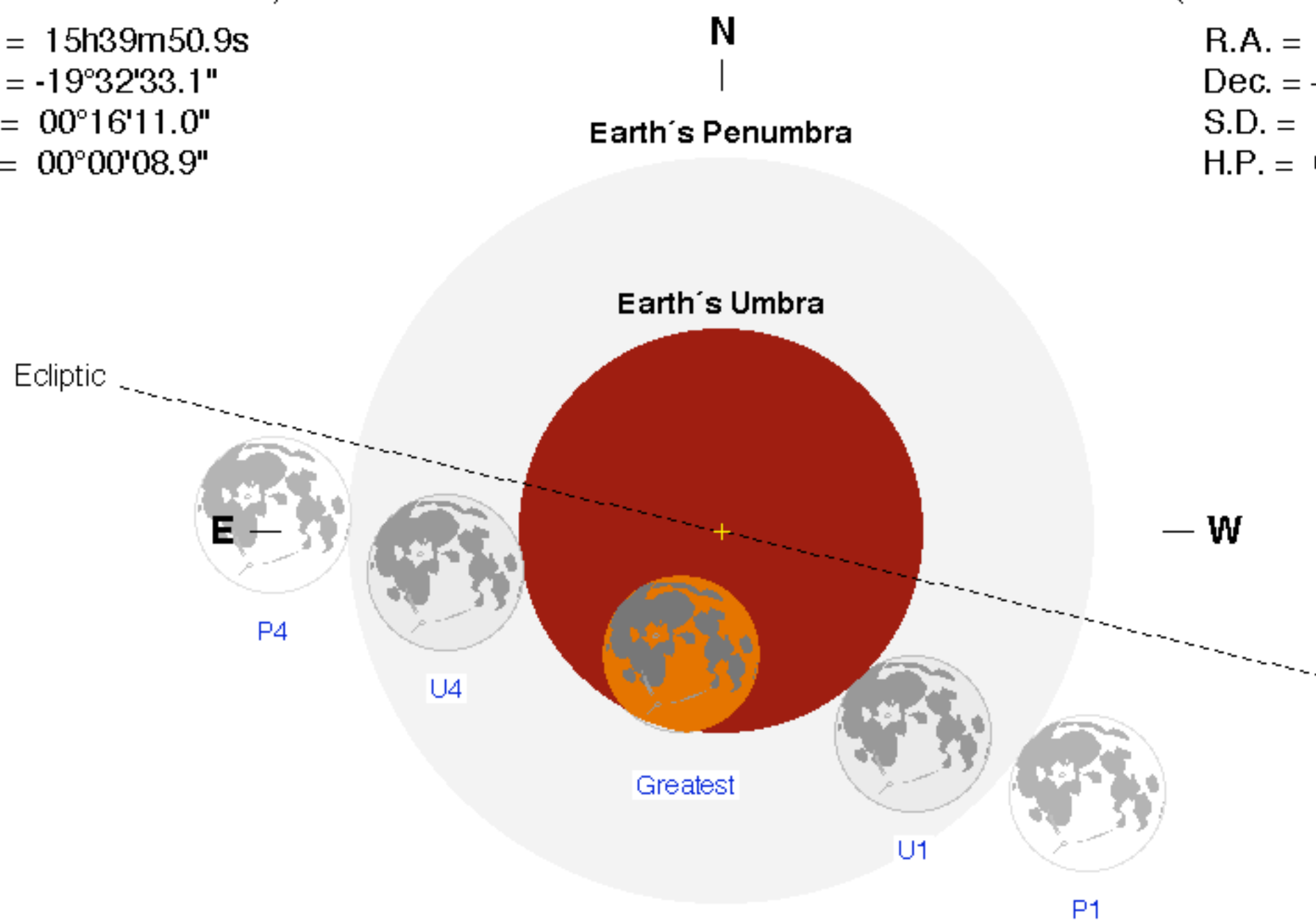
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 03h40m24.8s

Dec. = +19°09'15.5"

S.D. = 00°14'44.5"

H.P. = 00°54'06.1"



Eclipse Durations

Penumbral = 06h01m29s

Umbral = 03h28m23s

Eclipse Contacts

P1 = 06:02:09 UT

U1 = 07:18:41 UT

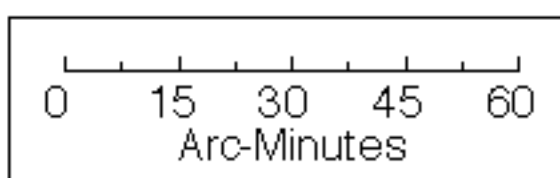
U4 = 10:47:04 UT

P4 = 12:03:38 UT

$\Delta T = 73$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85



F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

