

Partial Lunar Eclipse of 1919 Nov 07

Ecliptic Conjunction = 23:35:08.1 TD (= 23:34:47.0 UT)

Greatest Eclipse = 23:44:28.4 TD (= 23:44:07.3 UT)

Penumbral Magnitude = 1.1445

P. Radius = 1.3034°

Gamma = 0.9246

Umbral Magnitude = 0.1780

U. Radius = 0.7653°

Axis = 0.9446°

Saros Series = 115 Member = 52 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 14h48m13.6s

Dec. = -16°12'03.6"

S.D. = 00°16'08.7"

H.P. = 00°00'08.9"

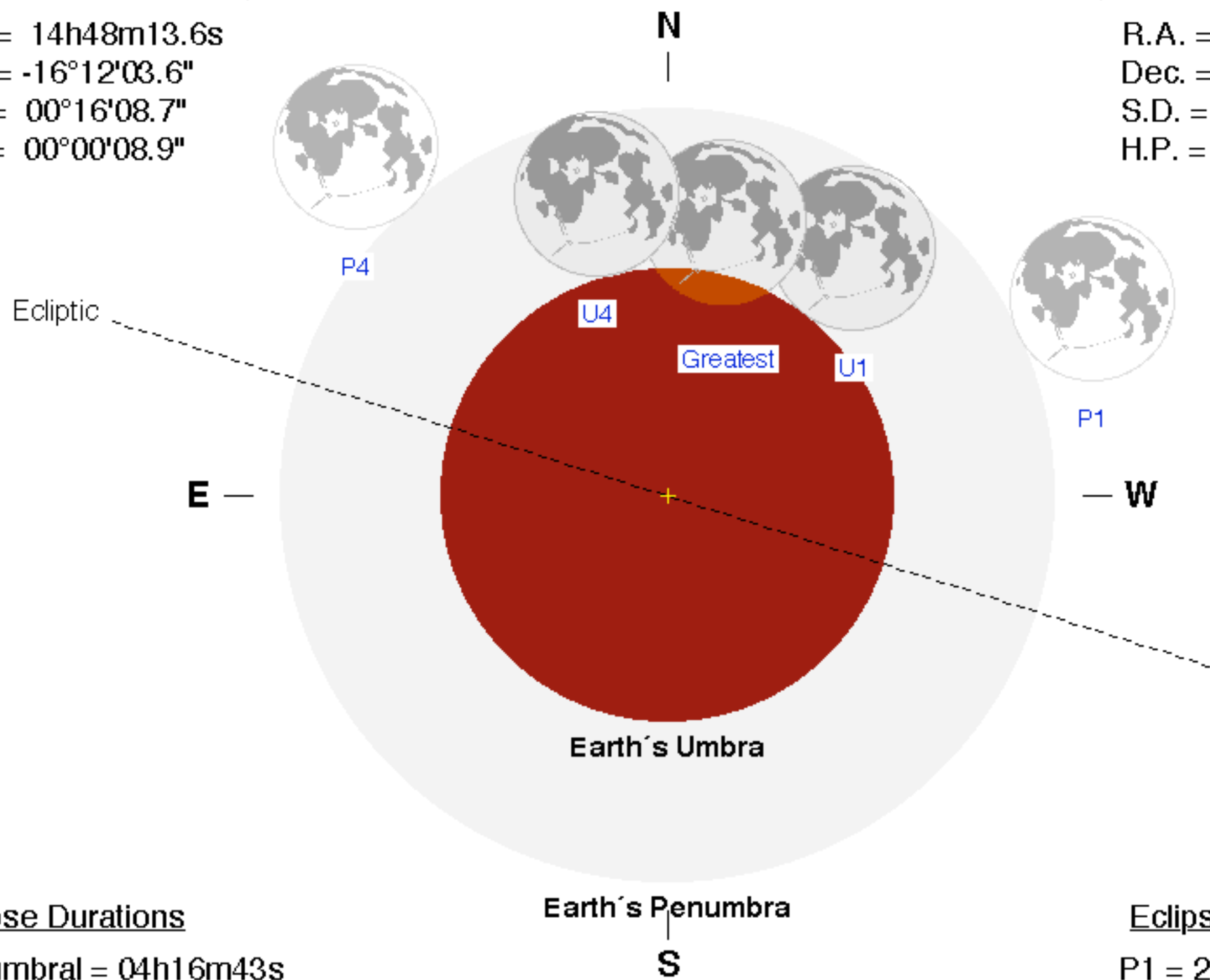
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 02h47m25.9s

Dec. = +17°07'34.3"

S.D. = 00°16'42.2"

H.P. = 01°01'18.0"



Eclipse Durations

Penumbral = 04h16m43s

Umbral = 01h29m49s

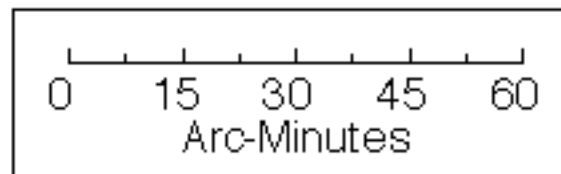
$\Delta T = 21$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Earth's Penumbra

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F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

Eclipse Contacts

P1 = 21:35:47 UT

U1 = 22:59:14 UT

U4 = 00:29:03 UT

P4 = 01:52:30 UT

