

# Partial Lunar Eclipse of 1970 Aug 17

Ecliptic Conjunction = 03:16:00.9 TD (= 03:15:20.1 UT)

Greatest Eclipse = 03:24:06.0 TD (= 03:23:25.2 UT)

Penumbral Magnitude = 1.3521

P. Radius = 1.2994°

Gamma = -0.8053

Umbral Magnitude = 0.4079

U. Radius = 0.7728°

Axis = 0.8242°

Saros Series = 118 Member = 49 of 74

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h44m32.9s

Dec. = +13°35'06.2"

S.D. = 00°15'47.9"

H.P. = 00°00'08.7"

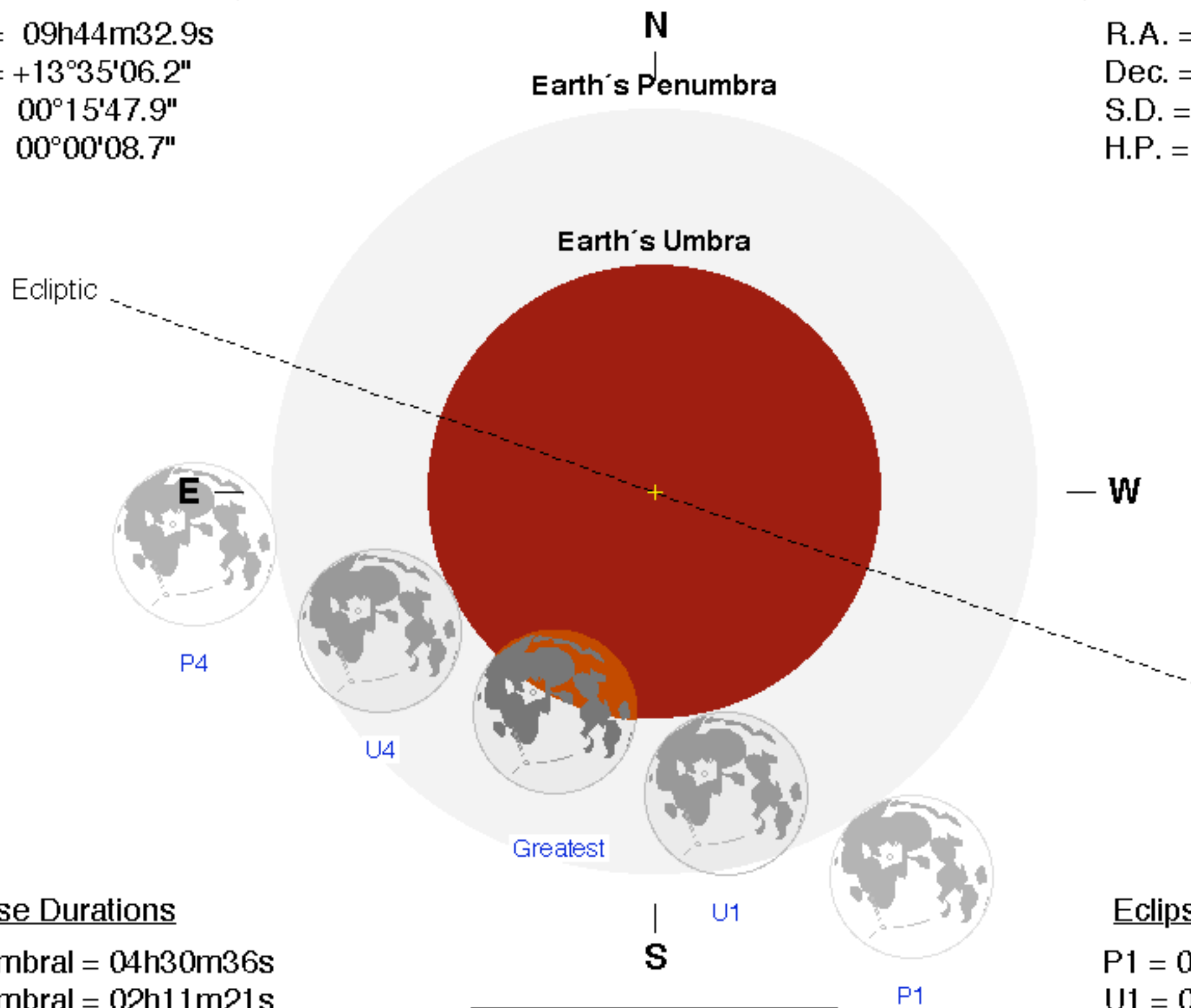
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h45m58.7s

Dec. = -14°19'57.4"

S.D. = 00°16'43.9"

H.P. = 01°01'24.5"



## Eclipse Durations

Penumbral = 04h30m36s

Umbral = 02h11m21s

$\Delta T = 41$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

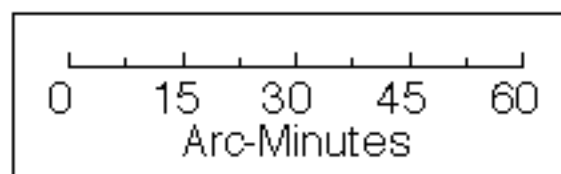
## Eclipse Contacts

P1 = 01:08:06 UT

U1 = 02:17:45 UT

U4 = 04:29:06 UT

P4 = 05:38:42 UT



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eclipse.gsfc.nasa.gov/eclipse.html

