

# Partial Lunar Eclipse of 2024 Sep 18

Ecliptic Conjunction = 02:35:37.1 TD (= 02:34:22.9 UT)

Greatest Eclipse = 02:45:24.7 TD (= 02:44:10.5 UT)

Penumbral Magnitude = 1.0372

P. Radius = 1.3003°

Gamma = -0.9792

Umbral Magnitude = 0.0848

U. Radius = 0.7697°

Axis = 1.0010°

Saros Series = 118

Member = 52 of 74

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h44m09.8s

Dec. = +01°42'52.9"

S.D. = 00°15'55.0"

H.P. = 00°00'08.8"

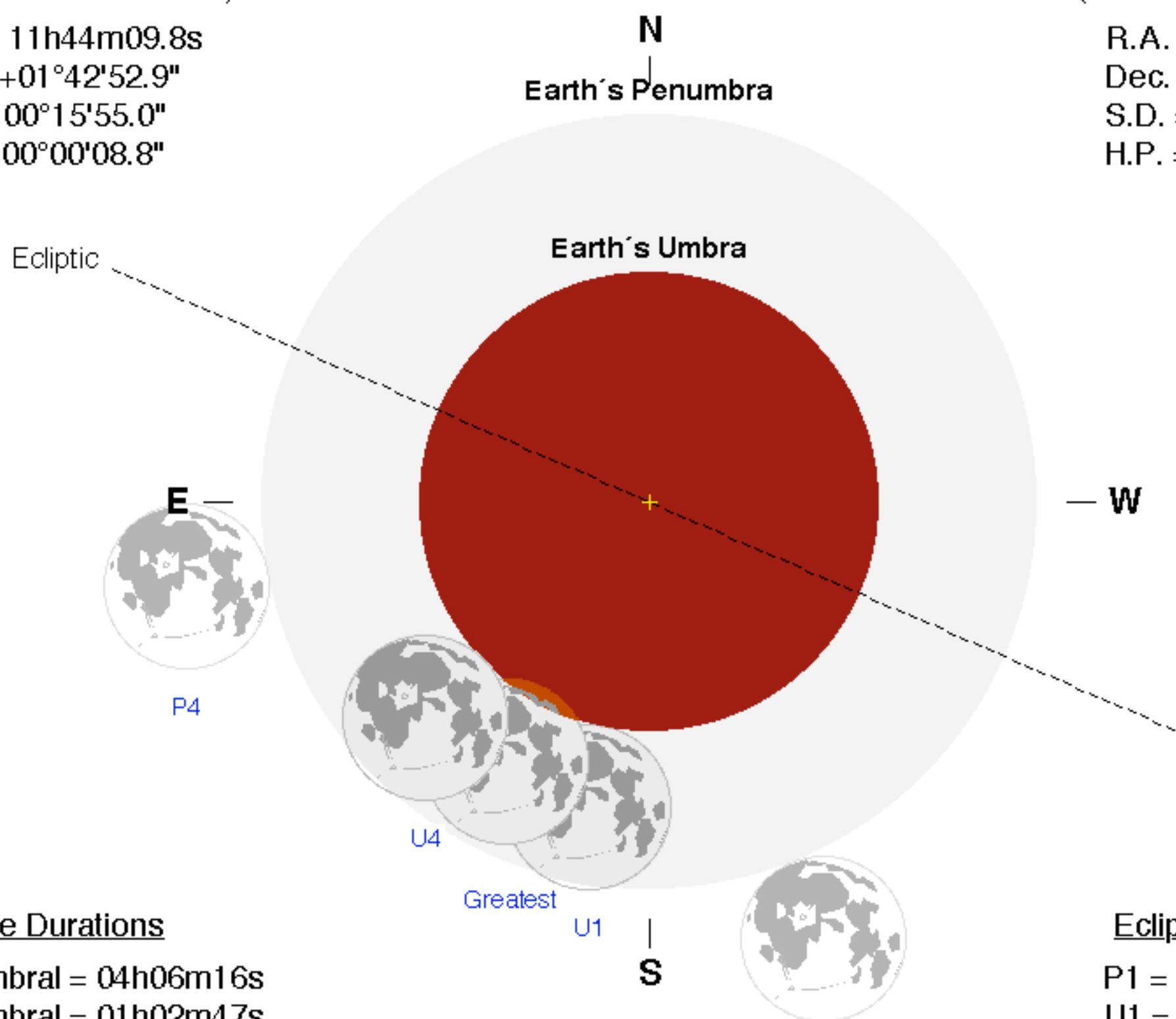
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h46m06.0s

Dec. = -02°35'26.8"

S.D. = 00°16'42.8"

H.P. = 01°01'20.4"



## Eclipse Durations

Penumbral = 04h06m16s

Umbral = 01h02m47s

## Eclipse Contacts

P1 = 00:41:02 UT

U1 = 02:12:48 UT

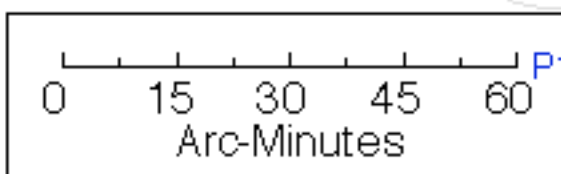
U4 = 03:15:35 UT

P4 = 04:47:18 UT

$\Delta T = 74$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85



F. Espenak, NASA's GSFC  
[eclipse.gsfc.nasa.gov/eclipse.html](http://eclipse.gsfc.nasa.gov/eclipse.html)

