

# Total Lunar Eclipse of 1942 Aug 26

Ecliptic Conjunction = 03:46:29.5 TD (= 03:46:03.8 UT)

Greatest Eclipse = 03:48:25.2 TD (= 03:47:59.5 UT)

Penumbral Magnitude = 2.5142

P. Radius = 1.2642°

Gamma = 0.1818

Umbral Magnitude = 1.5344

U. Radius = 0.7366°

Axis = 0.1796°

Saros Series = 127

Member = 38 of 72

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h17m03.7s

Dec. = +10°39'49.6"

S.D. = 00°15'49.7"

H.P. = 00°00'08.7"

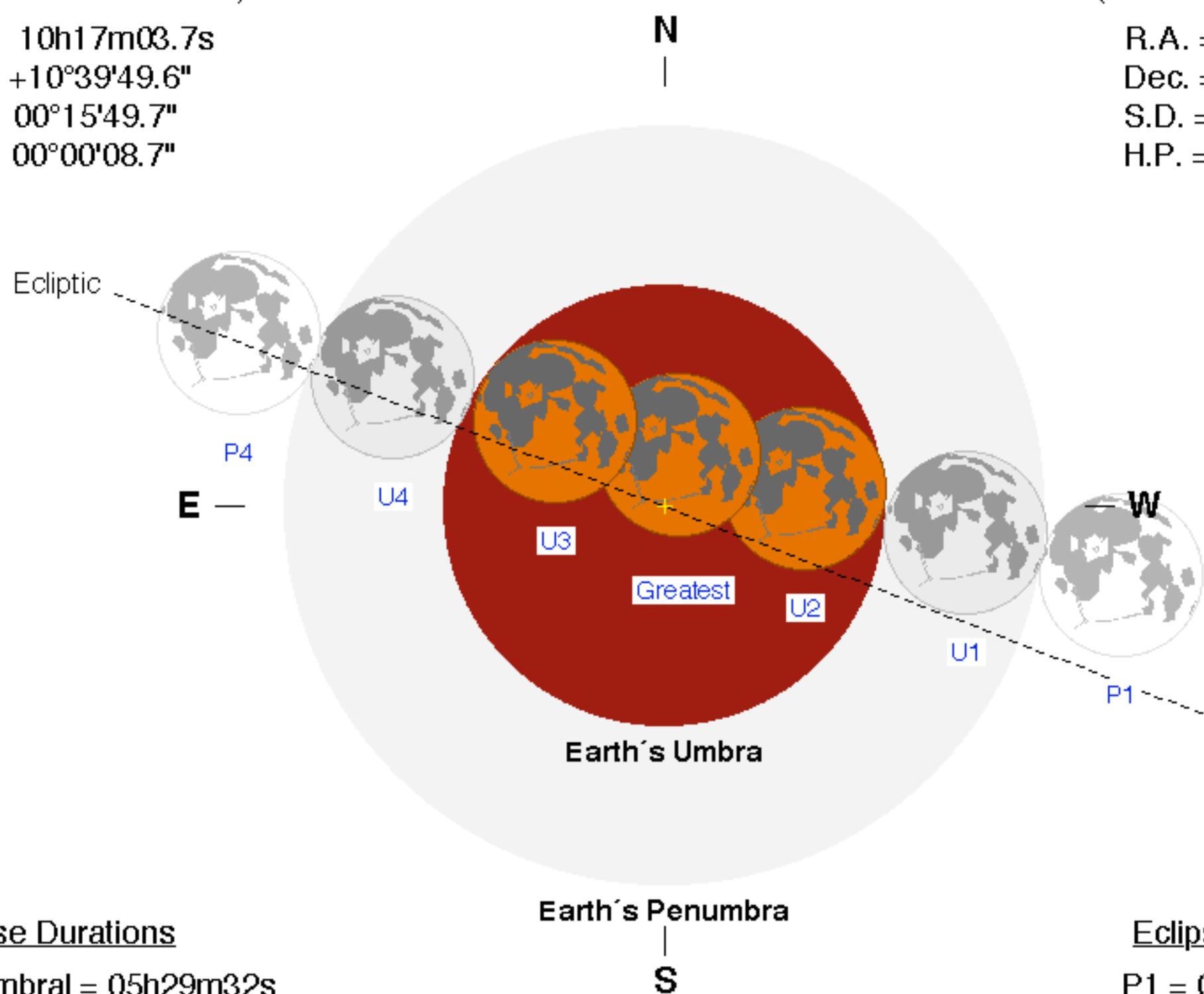
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h16m52.1s

Dec. = -10°29'26.0"

S.D. = 00°16'09.3"

H.P. = 00°59'17.3"



## Eclipse Durations

Penumbral = 05h29m32s

Umbral = 03h34m11s

Total = 01h33m23s

$\Delta T = 26$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

## Eclipse Contacts

P1 = 01:03:16 UT

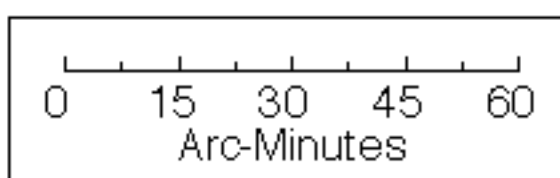
U1 = 02:00:53 UT

U2 = 03:01:17 UT

U3 = 04:34:40 UT

U4 = 05:35:04 UT

P4 = 06:32:48 UT



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

