

# Total Lunar Eclipse of 1949 Oct 07

Ecliptic Conjunction = 02:53:02.4 TD (= 02:52:33.4 UT)

Greatest Eclipse = 02:56:55.1 TD (= 02:56:26.1 UT)

Penumbral Magnitude = 2.3118

P. Radius = 1.1779°

Gamma = -0.3219

Umbral Magnitude = 1.2236

U. Radius = 0.6444°

Axis = 0.2896°

Saros Series = 126 Member = 42 of 72

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h49m43.2s

Dec. = -05°20'02.0"

S.D. = 00°16'00.3"

H.P. = 00°00'08.8"

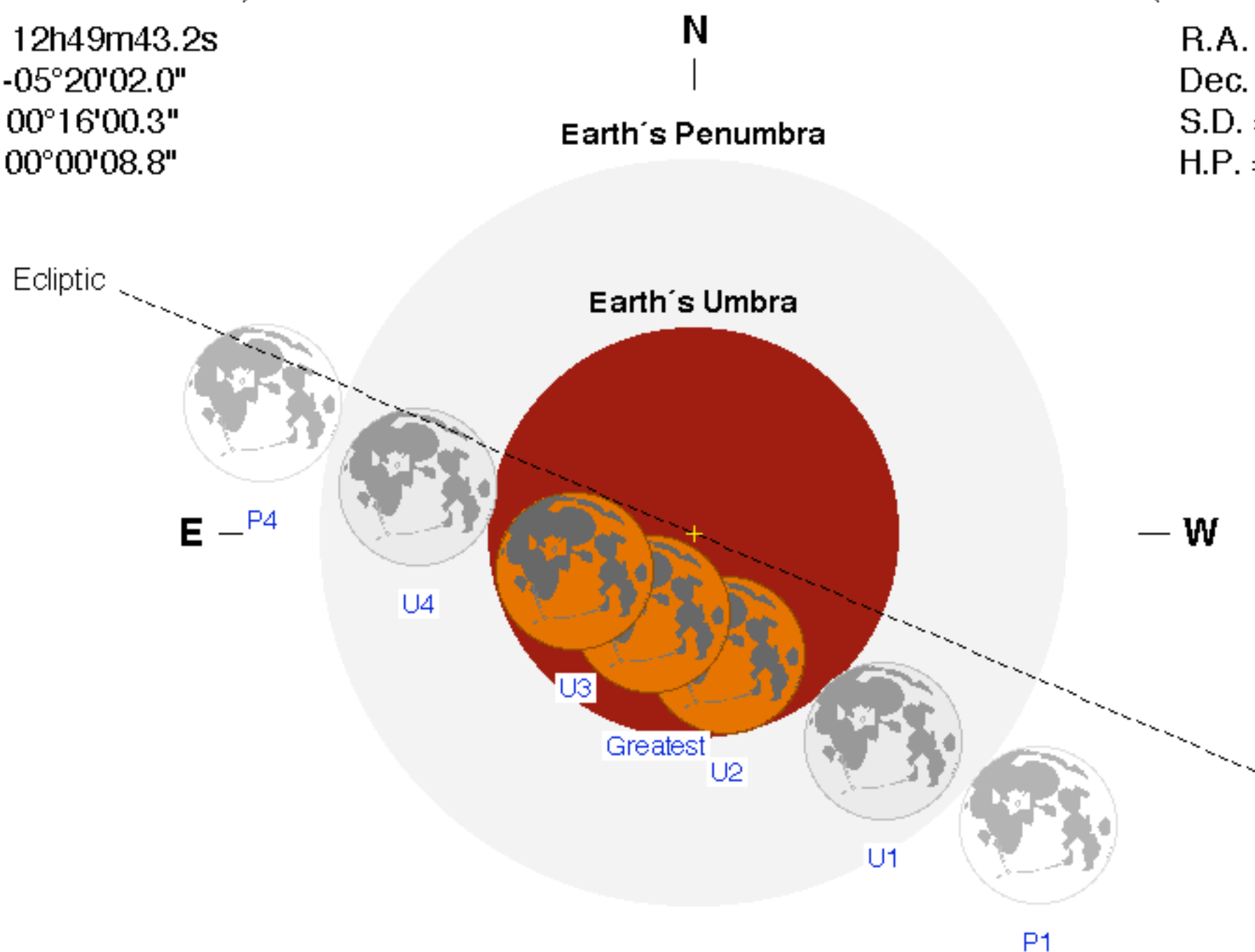
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h50m16.6s

Dec. = +05°04'46.9"

S.D. = 00°14'42.5"

H.P. = 00°53'58.9"



## Eclipse Durations

Penumbral = 06h09m11s

Umbral = 03h42m53s

Total = 01h12m50s

$\Delta T = 29$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

## Eclipse Contacts

P1 = 23:51:50 UT

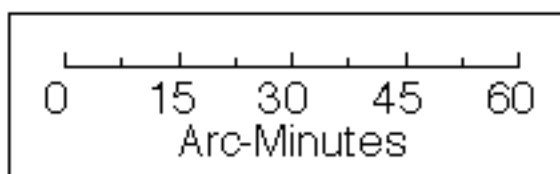
U1 = 01:04:59 UT

U2 = 02:20:01 UT

U3 = 03:32:51 UT

U4 = 04:47:52 UT

P4 = 06:01:02 UT



F. Espenak, NASA's GSFC  
eclipse.gsfc.nasa.gov/eclipse.html

