

# Total Lunar Eclipse of 0014 Sep 27

Ecliptic Conjunction = 07:17:30.9 TD (= 04:24:24.8 UT)

Greatest Eclipse = 07:18:38.7 TD (= 04:25:32.6 UT)

Penumbral Magnitude = 2.6608

P. Radius = 1.2704°

Gamma = -0.1062

Umbral Magnitude = 1.6652

U. Radius = 0.7335°

Axis = 0.1051°

Saros Series = 66 Member = 39 of 84

Sun at Greatest Eclipse  
(Geocentric Coordinates)

R.A. = 12h06m13.9s

Dec. = -00°41'01.4"

S.D. = 00°16'06.4"

H.P. = 00°00'08.9"

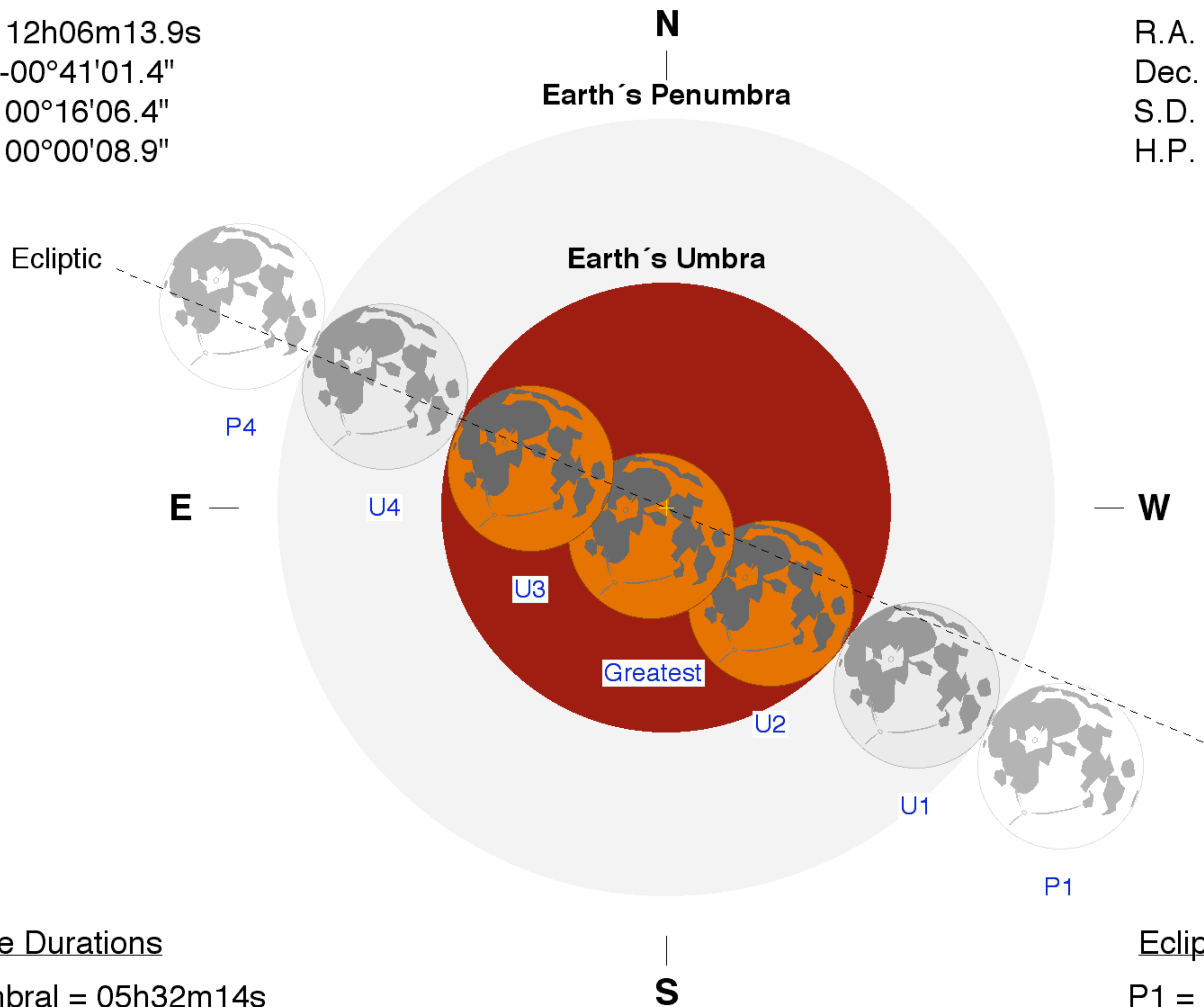
Moon at Greatest Eclipse  
(Geocentric Coordinates)

R.A. = 00h06m26.3s

Dec. = +00°35'31.5"

S.D. = 00°16'10.7"

H.P. = 00°59'22.5"



## Eclipse Durations

Penumbral = 05h32m14s

Umbral = 03h35m44s

Total = 01h37m42s

$\Delta T = 10386$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

## Eclipse Contacts

P1 = 01:39:28 UT

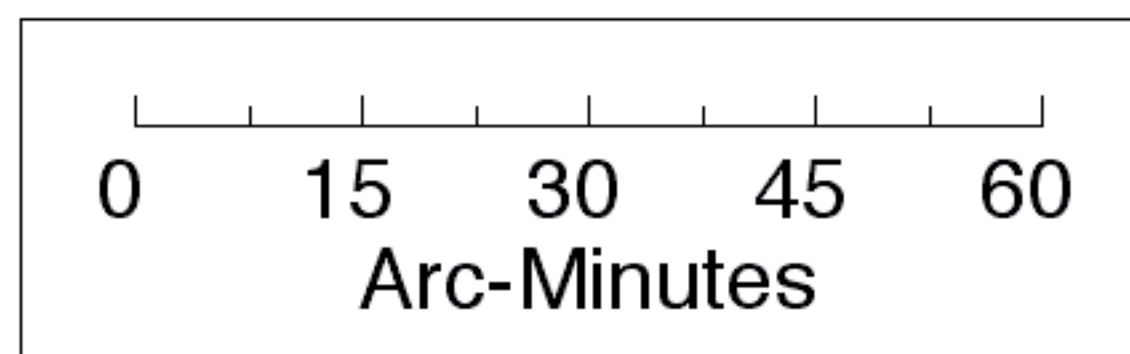
U1 = 02:37:40 UT

U2 = 03:36:41 UT

U3 = 05:14:23 UT

U4 = 06:13:24 UT

P4 = 07:11:42 UT



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

