

# Total Lunar Eclipse of 1913 Mar 22

Ecliptic Conjunction = 11:56:05.5 TD (= 11:55:50.8 UT)

Greatest Eclipse = 11:57:48.9 TD (= 11:57:34.2 UT)

Penumbral Magnitude = 2.5340

P. Radius = 1.2964°

Gamma = 0.1671

Umbral Magnitude = 1.5683

U. Radius = 0.7615°

Axis = 0.1698°

Saros Series = 121

Member = 50 of 84

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h04m39.0s

Dec. = +00°30'15.2"

S.D. = 00°16'02.7"

H.P. = 00°00'08.8"

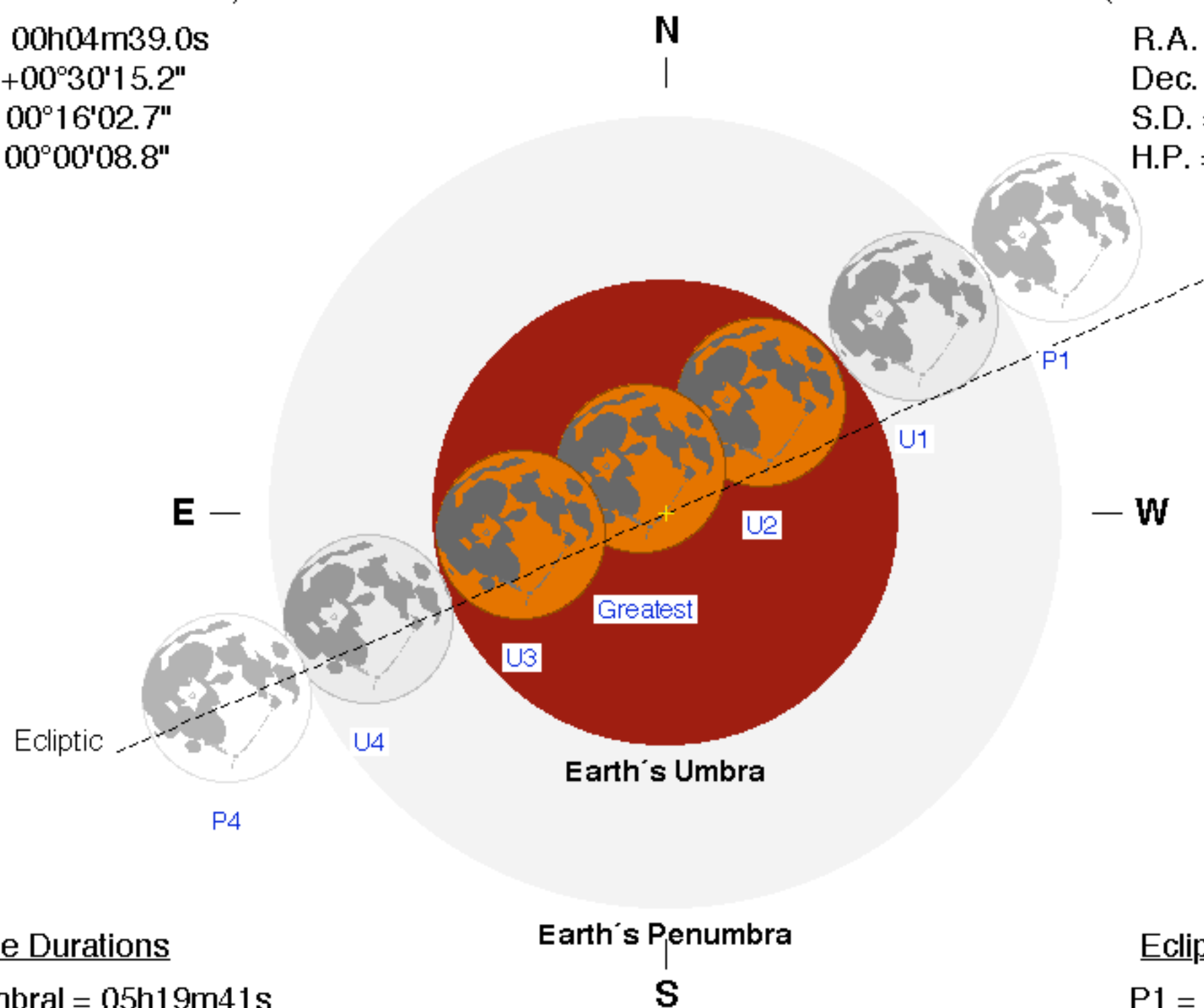
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h04m58.8s

Dec. = -00°21'21.0"

S.D. = 00°16'36.9"

H.P. = 01°00'58.7"



## Eclipse Durations

Penumbral = 05h19m41s

Umbral = 03h29m24s

Total = 01h32m46s

$\Delta T = 15$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

## Eclipse Contacts

P1 = 09:17:45 UT

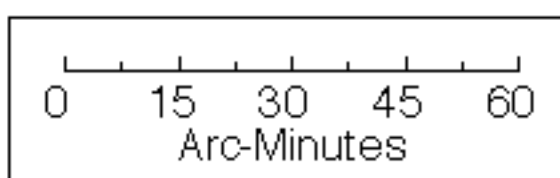
U1 = 10:12:51 UT

U2 = 11:11:11 UT

U3 = 12:43:57 UT

U4 = 13:42:16 UT

P4 = 14:37:26 UT



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

