

# Partial Lunar Eclipse of 2037 Jul 27

Ecliptic Conjunction = 04:16:21.3 TD (= 04:14:58.5 UT)

Greatest Eclipse = 04:09:53.3 TD (= 04:08:30.5 UT)

Penumbral Magnitude = 1.8584

P. Radius = 1.1925°

Gamma = -0.5582

Umbral Magnitude = 0.8095

U. Radius = 0.6676°

Axis = 0.5126°

Saros Series = 139 Member = 23 of 81

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 08h27m18.9s

Dec. = +19°07'58.7"

S.D. = 00°15'45.0"

H.P. = 00°00'08.7"

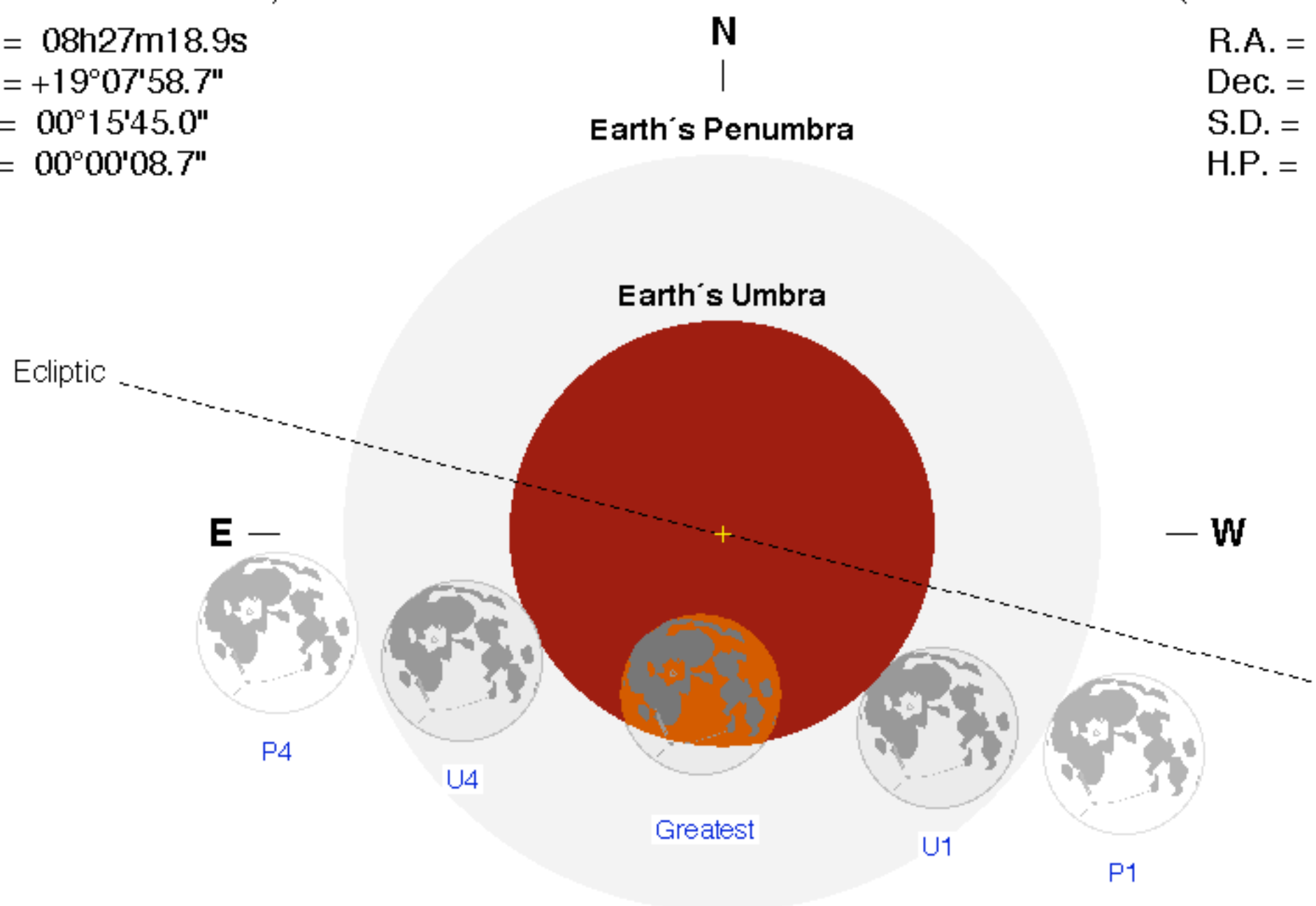
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 20h27m37.3s

Dec. = -19°38'25.9"

S.D. = 00°15'00.9"

H.P. = 00°55'06.5"



## Eclipse Durations

Penumbral = 05h40m49s

Umbral = 03h12m25s

$\Delta T = 83$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

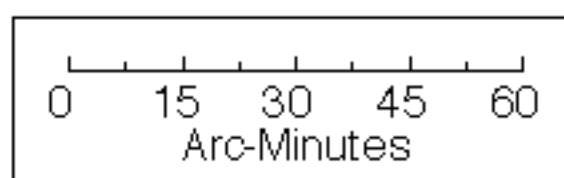
## Eclipse Contacts

P1 = 01:18:07 UT

U1 = 02:32:16 UT

U4 = 05:44:41 UT

P4 = 06:58:56 UT



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[eclipse.gsfc.nasa.gov/eclipse.html](http://eclipse.gsfc.nasa.gov/eclipse.html)

