

# Total Lunar Eclipse of 2008 Feb 21

Ecliptic Conjunction = 03:31:36.2 TD (= 03:30:30.3 UT)

Greatest Eclipse = 03:27:08.8 TD (= 03:26:02.9 UT)

Penumbral Magnitude = 2.1451

P. Radius = 1.2339°

Gamma = -0.3992

Umbral Magnitude = 1.1062

U. Radius = 0.6948°

Axis = 0.3802°

Saros Series = 133

Member = 26 of 71

## Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h15m30.0s

Dec. = -10°48'31.2"

S.D. = 00°16'10.5"

H.P. = 00°00'08.9"

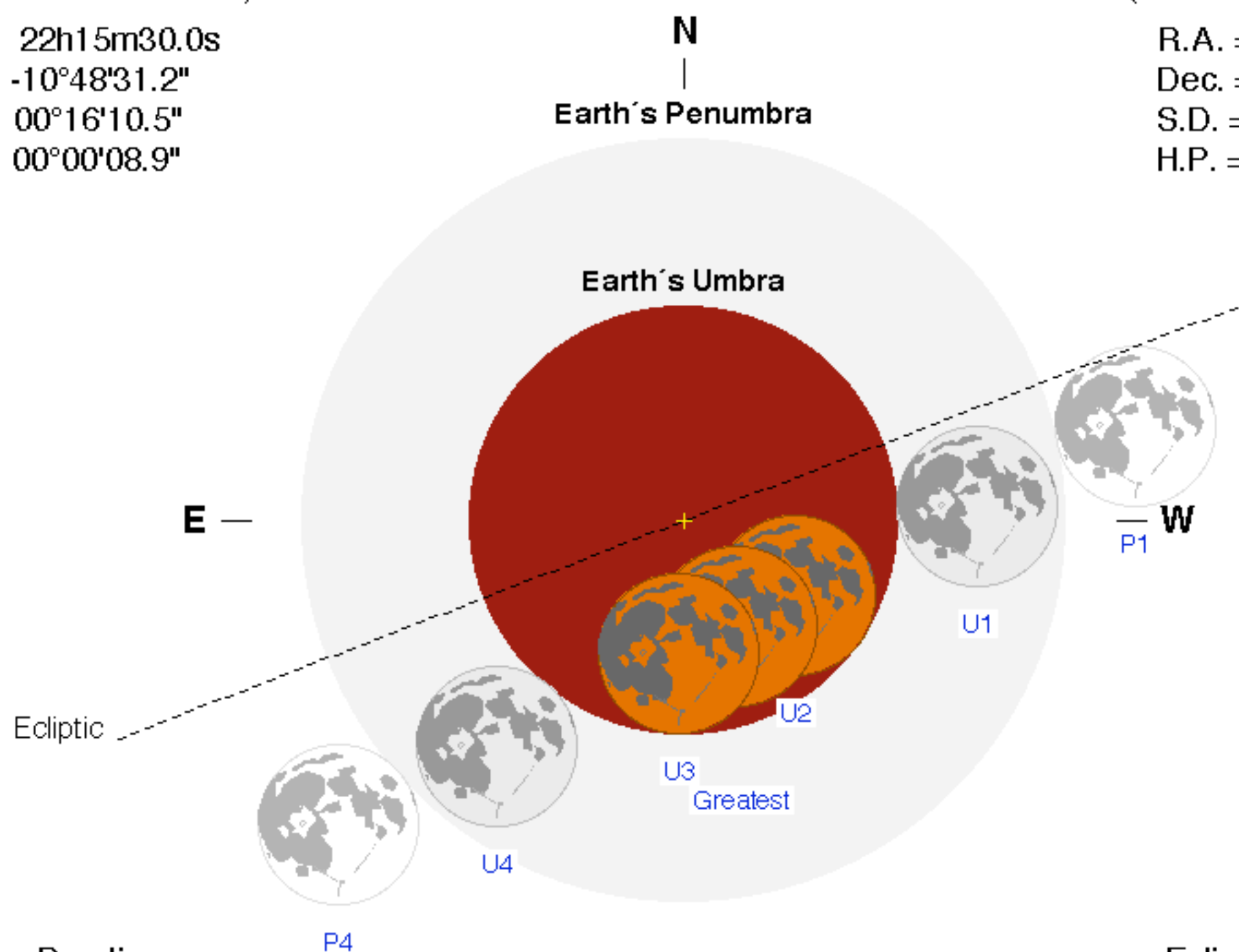
## Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h14m48.5s

Dec. = +10°28'07.7"

S.D. = 00°15'34.2"

H.P. = 00°57'08.4"



## Eclipse Durations

Penumbral = 05h38m58s

Umbral = 03h25m27s

Total = 00h49m45s

$\Delta T = 66$  s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

## Eclipse Contacts

P1 = 00:36:37 UT

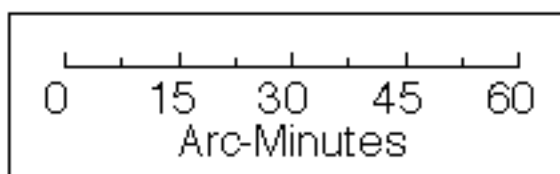
U1 = 01:43:18 UT

U2 = 03:01:09 UT

U3 = 03:50:54 UT

U4 = 05:08:45 UT

P4 = 06:15:35 UT



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eclipse.gsfc.nasa.gov/eclipse.html

