

Total Lunar Eclipse of 2073 Feb 22

Ecliptic Conjunction = 07:28:22.4 TD (= 07:26:00.8 UT)

Greatest Eclipse = 07:24:52.8 TD (= 07:22:31.2 UT)

Penumbral Magnitude = 2.2218

P. Radius = 1.3002°

Gamma = 0.3388

Umbral Magnitude = 1.2503

U. Radius = 0.7612°

Axis = 0.3449°

Saros Series = 134

Member = 30 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h24m36.1s

Dec. = -09°56'15.5"

S.D. = 00°16'10.2"

H.P. = 00°00'08.9"

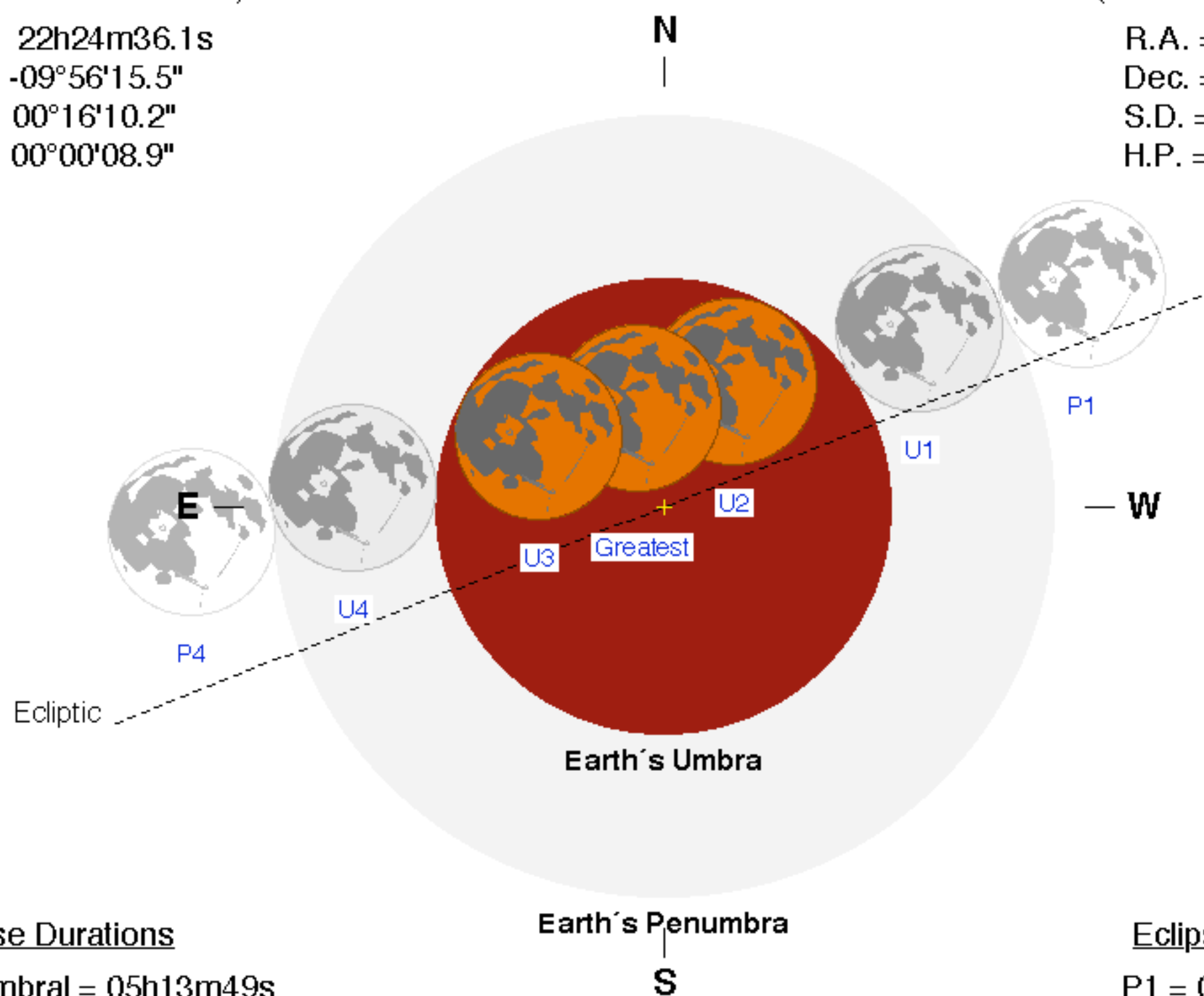
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h24m58.8s

Dec. = +10°16'11.2"

S.D. = 00°16'38.6"

H.P. = 01°01'05.0"



Eclipse Durations

Penumbral = 05h13m49s

Umbral = 03h19m44s

Total = 01h09m10s

$\Delta T = 142$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

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P1 = 04:45:35 UT

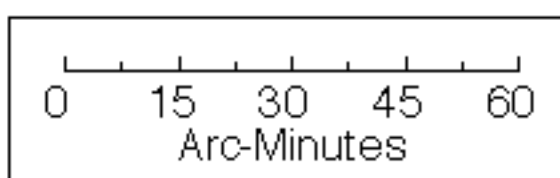
U1 = 05:42:40 UT

U2 = 06:47:56 UT

U3 = 07:57:07 UT

U4 = 09:02:24 UT

P4 = 09:59:24 UT



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

