

Total Lunar Eclipse of 1938 May 14

Ecliptic Conjunction = 08:39:19.9 TD (= 08:38:55.9 UT)

Greatest Eclipse = 08:44:00.0 TD (= 08:43:36.0 UT)

Penumbral Magnitude = 2.1540

P. Radius = 1.1906°

Gamma = -0.3994

Umbral Magnitude = 1.0966

U. Radius = 0.6631°

Axis = 0.3656°

Saros Series = 120 Member = 54 of 84

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 03h21m58.6s

Dec. = +18°30'04.2"

S.D. = 00°15'49.4"

H.P. = 00°00'08.7"

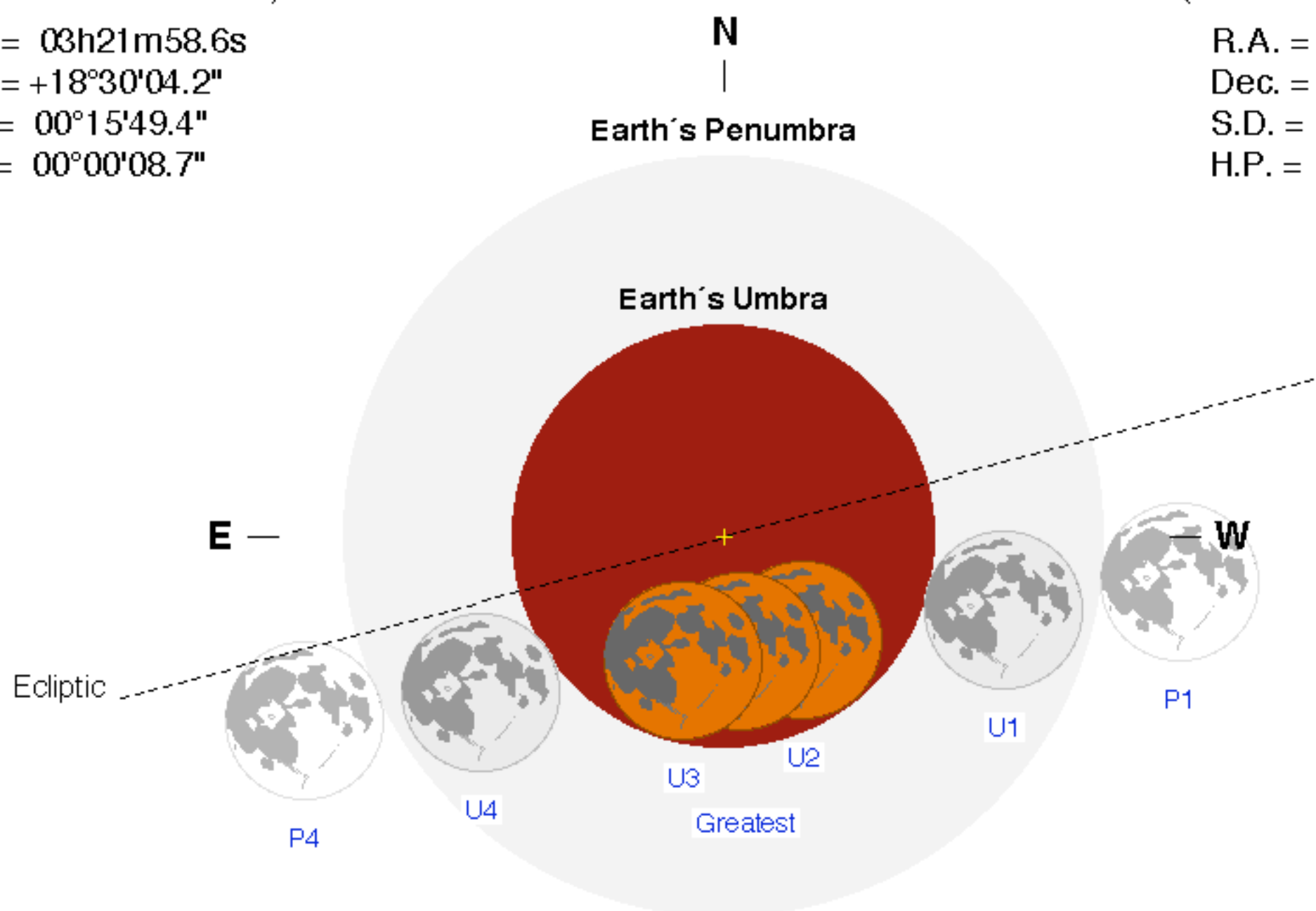
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 15h21m44.2s

Dec. = -18°51'44.3"

S.D. = 00°14'57.8"

H.P. = 00°54'55.0"



Eclipse Durations

Penumbral = 05h54m52s

Umbral = 03h33m03s

Total = 00h49m22s

$\Delta T = 24$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 05:46:12 UT

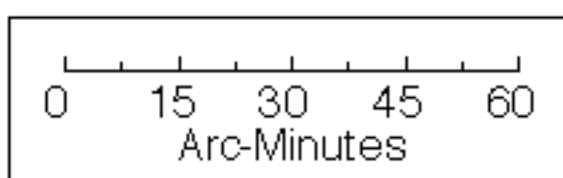
U1 = 06:57:03 UT

U2 = 08:18:54 UT

U3 = 09:08:16 UT

U4 = 10:30:06 UT

P4 = 11:41:04 UT



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

