

Total Lunar Eclipse of 2073 Aug 17

Ecliptic Conjunction = 17:47:18.0 TD (= 17:44:55.3 UT)

Greatest Eclipse = 17:42:41.2 TD (= 17:40:18.5 UT)

Penumbral Magnitude = 2.1479

P. Radius = 1.1983°

Gamma = -0.3998

Umbral Magnitude = 1.1013

U. Radius = 0.6717°

Axis = 0.3691°

Saros Series = 139

Member = 25 of 81

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 09h50m51.6s

Dec. = +13°01'53.2"

S.D. = 00°15'47.9"

H.P. = 00°00'08.7"

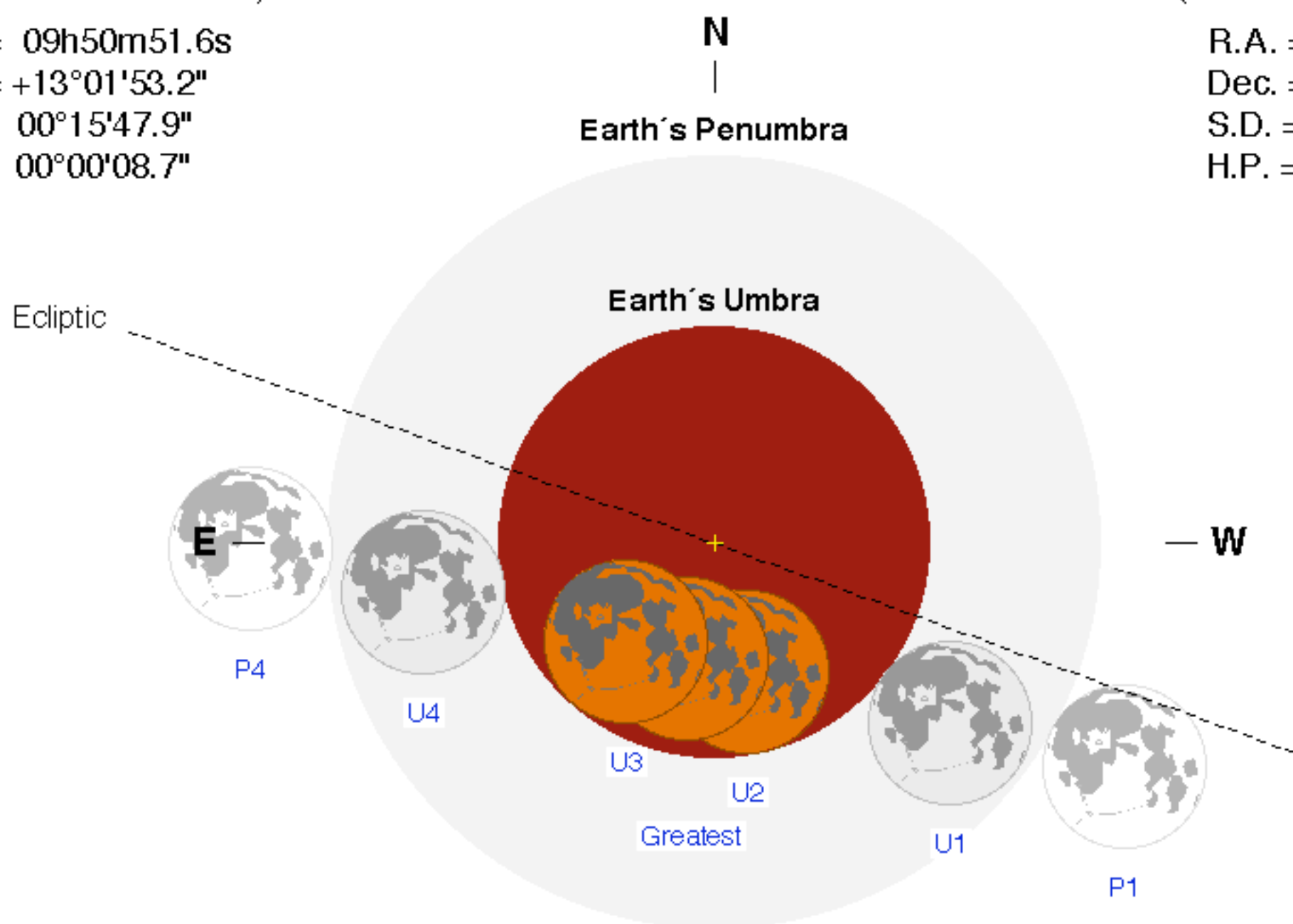
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 21h51m13.5s

Dec. = -13°23'22.9"

S.D. = 00°15'05.7"

H.P. = 00°55'24.0"



Eclipse Durations

Penumbral = 05h50m28s

Umbral = 03h31m33s

Total = 00h50m08s

$\Delta T = 143$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 14:45:07 UT

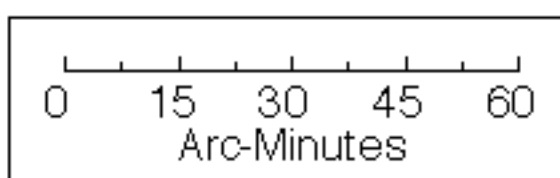
U1 = 15:54:30 UT

U2 = 17:15:13 UT

U3 = 18:05:21 UT

U4 = 19:26:03 UT

P4 = 20:35:34 UT



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

