

Total Lunar Eclipse of 1942 Mar 03

Ecliptic Conjunction = 00:20:11.4 TD (= 00:19:45.9 UT)

Greatest Eclipse = 00:21:53.6 TD (= 00:21:28.2 UT)

Penumbral Magnitude = 2.5879

P. Radius = 1.2421°

Gamma = -0.1545

Umbral Magnitude = 1.5612

U. Radius = 0.7043°

Axis = 0.1485°

Saros Series = 122

Member = 52 of 75

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h52m50.5s

Dec. = -07°08'24.4"

S.D. = 00°16'08.0"

H.P. = 00°00'08.9"

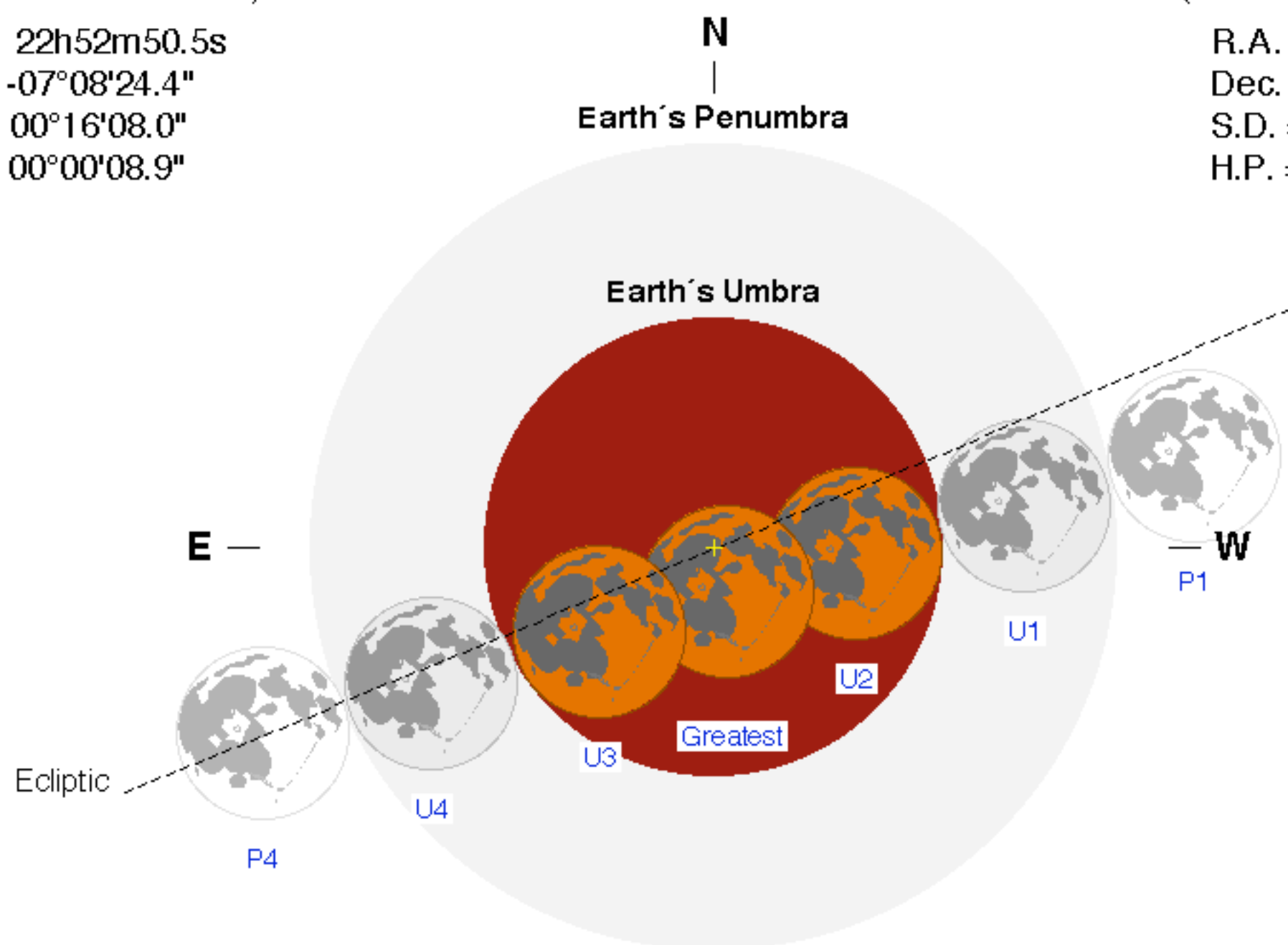
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h52m40.1s

Dec. = +06°59'52.2"

S.D. = 00°15'42.8"

H.P. = 00°57'40.1"



Eclipse Durations

Penumbral = 05h44m18s

Umbral = 03h39m40s

Total = 01h35m54s

$\Delta T = 25$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 21:29:16 UT

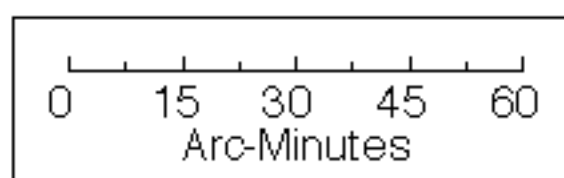
U1 = 22:31:40 UT

U2 = 23:33:32 UT

U3 = 01:09:26 UT

U4 = 02:11:19 UT

P4 = 03:13:34 UT



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

