

Total Lunar Eclipse of 1960 Mar 13

Ecliptic Conjunction = 08:26:21.3 TD (= 08:25:48.0 UT)

Greatest Eclipse = 08:28:20.9 TD (= 08:27:47.5 UT)

Penumbral Magnitude = 2.5415

P. Radius = 1.2383°

Gamma = -0.1799

Umbral Magnitude = 1.5145

U. Radius = 0.7021°

Axis = 0.1724°

Saros Series = 122 Member = 53 of 75

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h33m28.3s

Dec. = -02°52'01.0"

S.D. = 00°16'05.3"

H.P. = 00°00'08.8"

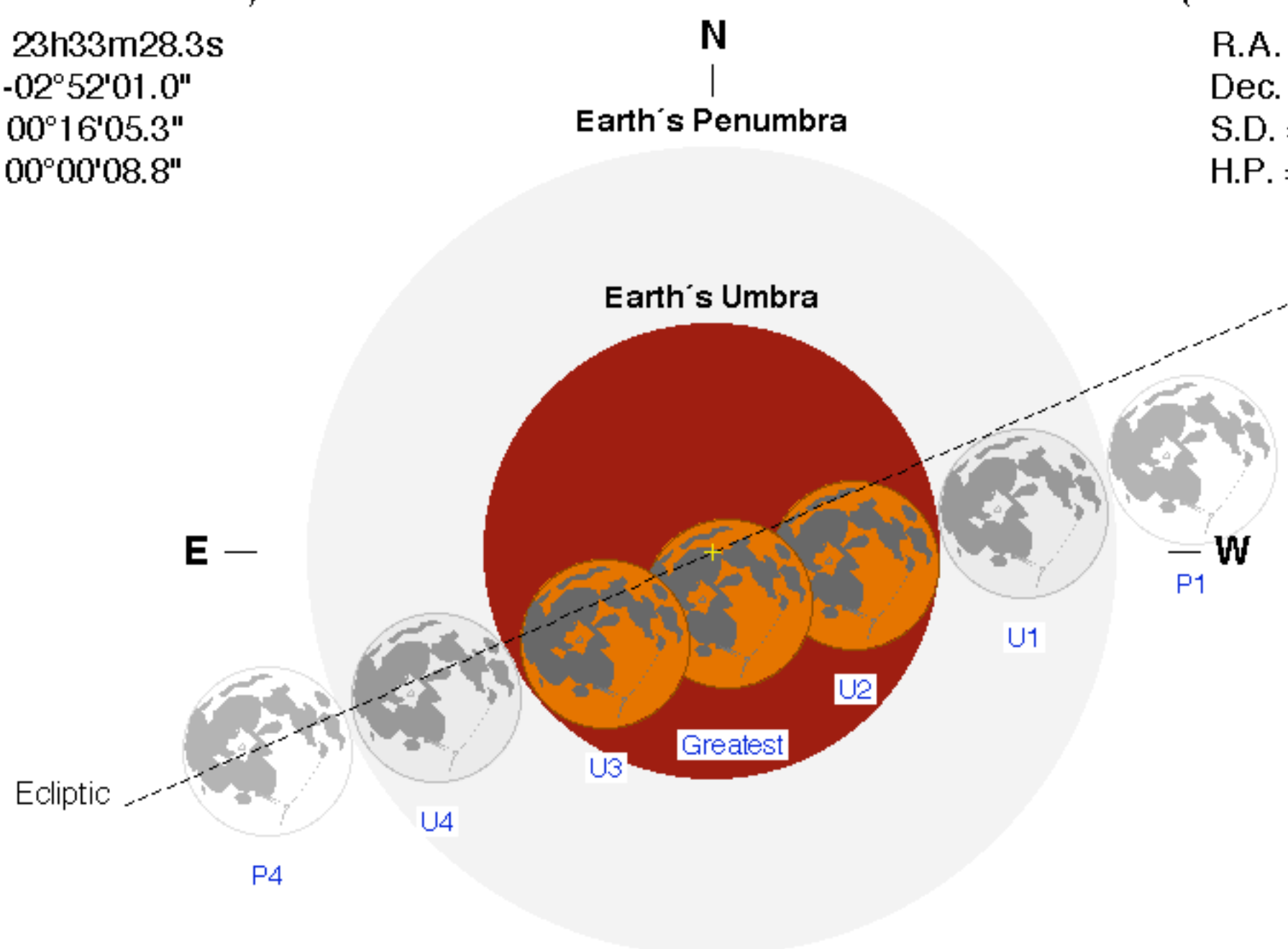
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h33m15.8s

Dec. = +02°42'09.5"

S.D. = 00°15'39.9"

H.P. = 00°57'29.4"



Eclipse Durations

Penumbral = 05h44m47s

Umbral = 03h39m23s

Total = 01h33m59s

$\Delta T = 33$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 05:35:21 UT

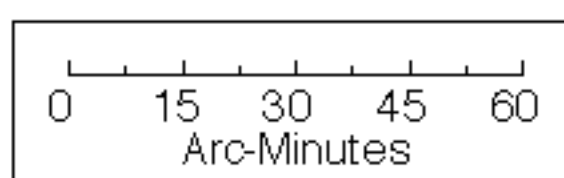
U1 = 06:38:08 UT

U2 = 07:40:49 UT

U3 = 09:14:48 UT

U4 = 10:17:30 UT

P4 = 11:20:08 UT



F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

