

Total Lunar Eclipse of 1968 Apr 13

Ecliptic Conjunction = 04:52:17.8 TD (= 04:51:39.3 UT)

Greatest Eclipse = 04:48:00.8 TD (= 04:47:22.3 UT)

Penumbral Magnitude = 2.0725

P. Radius = 1.2936°

Gamma = -0.4173

Umbral Magnitude = 1.1116

U. Radius = 0.7620°

Axis = 0.4236°

Saros Series = 131

Member = 31 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 01h26m19.6s

Dec. = +09°03'48.7"

S.D. = 00°15'56.9"

H.P. = 00°00'08.8"

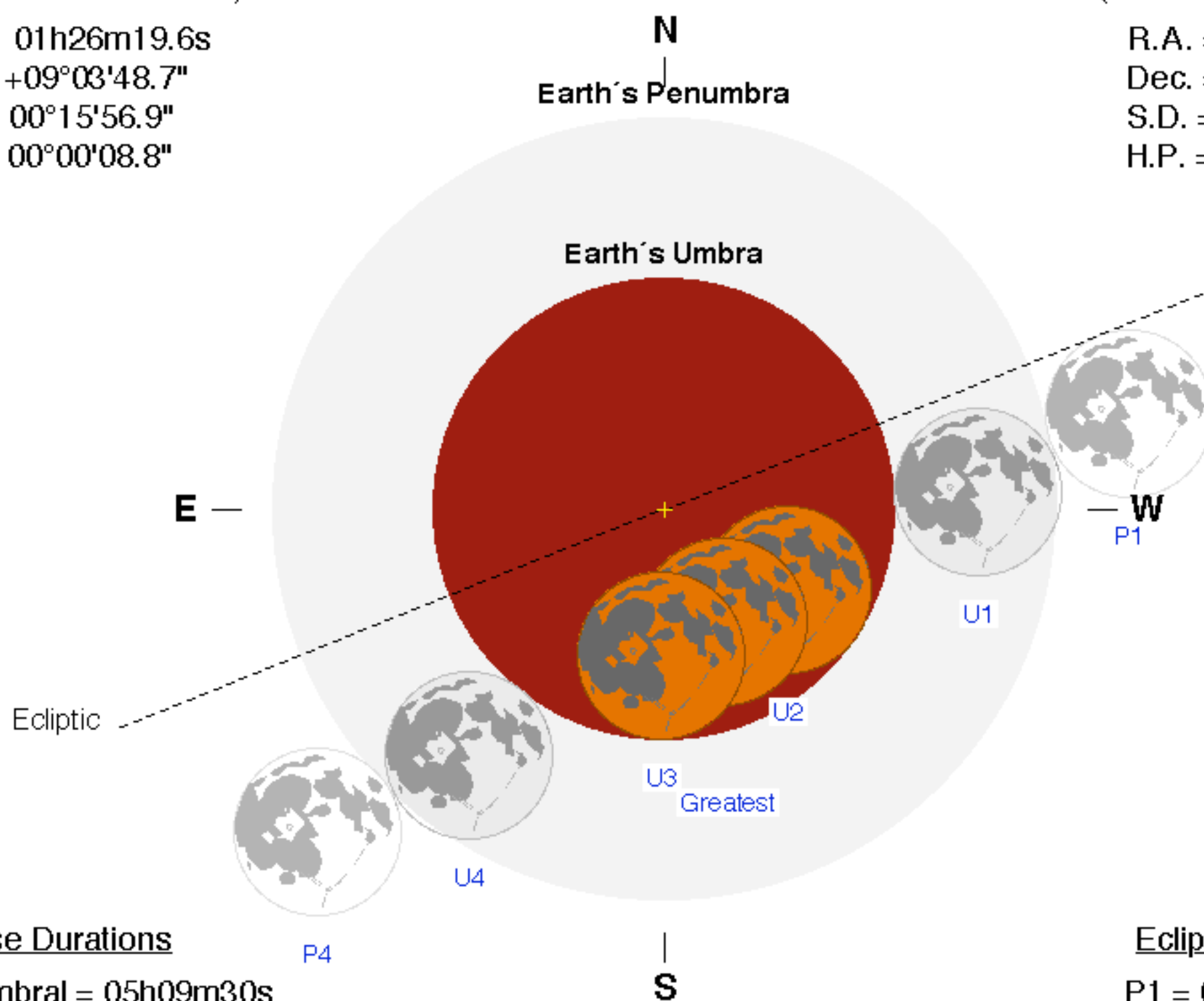
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 13h25m32.2s

Dec. = -09°26'23.0"

S.D. = 00°16'35.8"

H.P. = 01°00'54.7"



Eclipse Durations

Penumbral = 05h09m30s

Umbral = 03h14m08s

Total = 00h48m31s

$\Delta T = 39$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

Eclipse Contacts

P1 = 02:12:37 UT

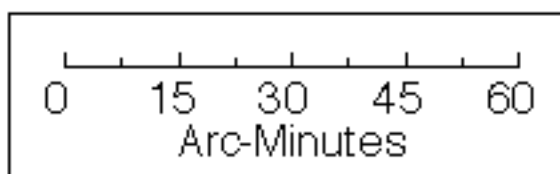
U1 = 03:10:20 UT

U2 = 04:23:08 UT

U3 = 05:11:38 UT

U4 = 06:24:27 UT

P4 = 07:22:07 UT



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eclipse.gsfc.nasa.gov/eclipse.html

