

Penumbral Lunar Eclipse of 1933 Mar 12

Ecliptic Conjunction = 02:46:00.6 TD (= 02:45:36.7 UT)

Greatest Eclipse = 02:33:03.4 TD (= 02:32:39.5 UT)

Penumbral Magnitude = 0.5923

P. Radius = 1.2572°

Gamma = -1.2369

Umbral Magnitude = -0.4154

U. Radius = 0.7208°

Axis = 1.2081°

Saros Series = 141

Member = 19 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h27m13.2s

Dec. = -03°32'18.1"

S.D. = 00°16'05.6"

H.P. = 00°00'08.8"

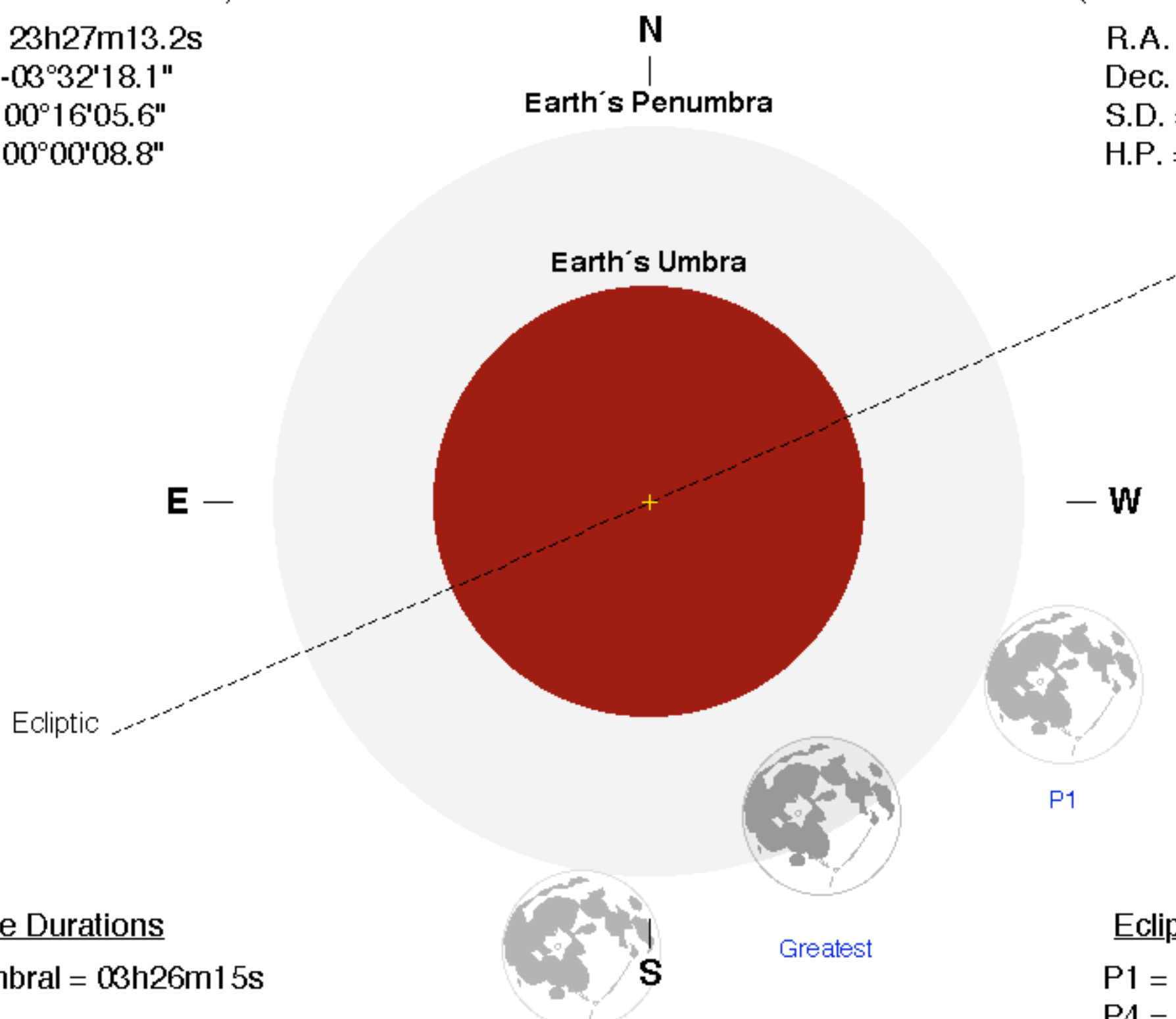
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h24m53.8s

Dec. = +02°28'42.7"

S.D. = 00°15'58.2"

H.P. = 00°58'36.5"



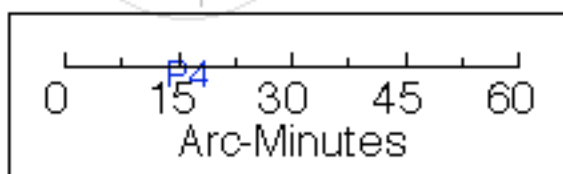
Eclipse Durations

Penumbral = 03h26m15s

Eclipse Contacts

P1 = 00:49:38 UT

P4 = 04:15:53 UT



$\Delta T = 24$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

