

Penumbral Lunar Eclipse of 2089 Mar 26

Ecliptic Conjunction = 09:22:36.5 TD (= 09:19:39.0 UT)

Greatest Eclipse = 09:34:13.6 TD (= 09:31:16.0 UT)

Penumbral Magnitude = 0.8332

P. Radius = 1.2591°

Gamma = -1.1038

Umbral Magnitude = -0.1681

U. Radius = 0.7246°

Axis = 1.0812°

Saros Series = 114 Member = 63 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h23m44.9s

Dec. = +02°33'57.4"

S.D. = 00°16'02.1"

H.P. = 00°00'08.8"

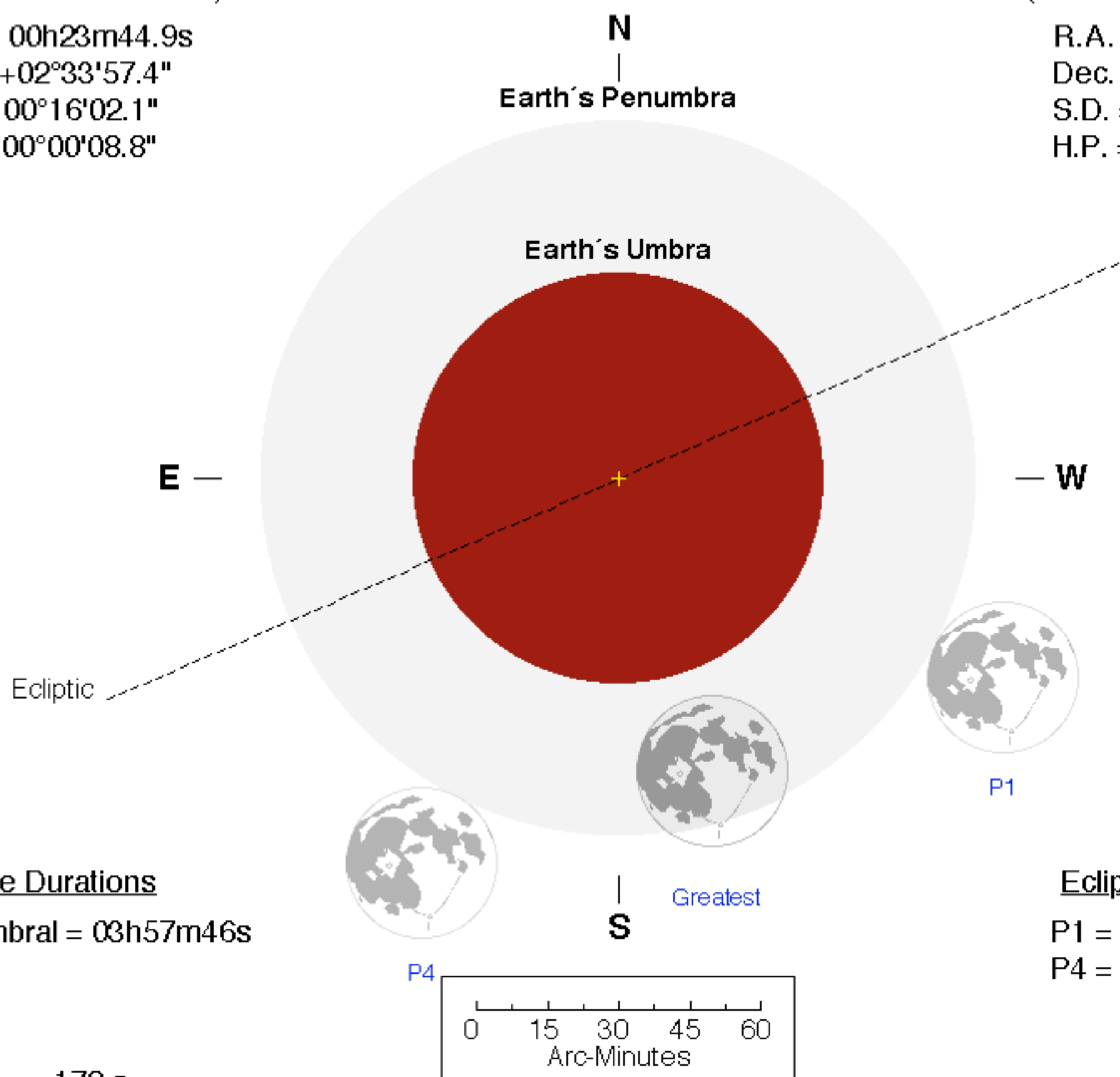
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h22m25.7s

Dec. = -03°35'44.8"

S.D. = 00°16'00.9"

H.P. = 00°58'46.5"



Eclipse Durations

Penumbral = 03h57m46s

Eclipse Contacts

P1 = 07:32:20 UT

P4 = 11:30:06 UT

$\Delta T = 178$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

