

Penumbral Lunar Eclipse of 2092 Feb 23

Ecliptic Conjunction = 05:32:12.0 TD (= 05:29:07.8 UT)

Greatest Eclipse = 05:20:58.9 TD (= 05:17:54.7 UT)

Penumbral Magnitude = 0.9383

P. Radius = 1.2541°

Gamma = 1.0509

Umbral Magnitude = -0.0789

U. Radius = 0.7151°

Axis = 1.0219°

Saros Series = 144 Member = 20 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h25m46.7s

Dec. = -09°49'23.5"

S.D. = 00°16'10.2"

H.P. = 00°00'08.9"

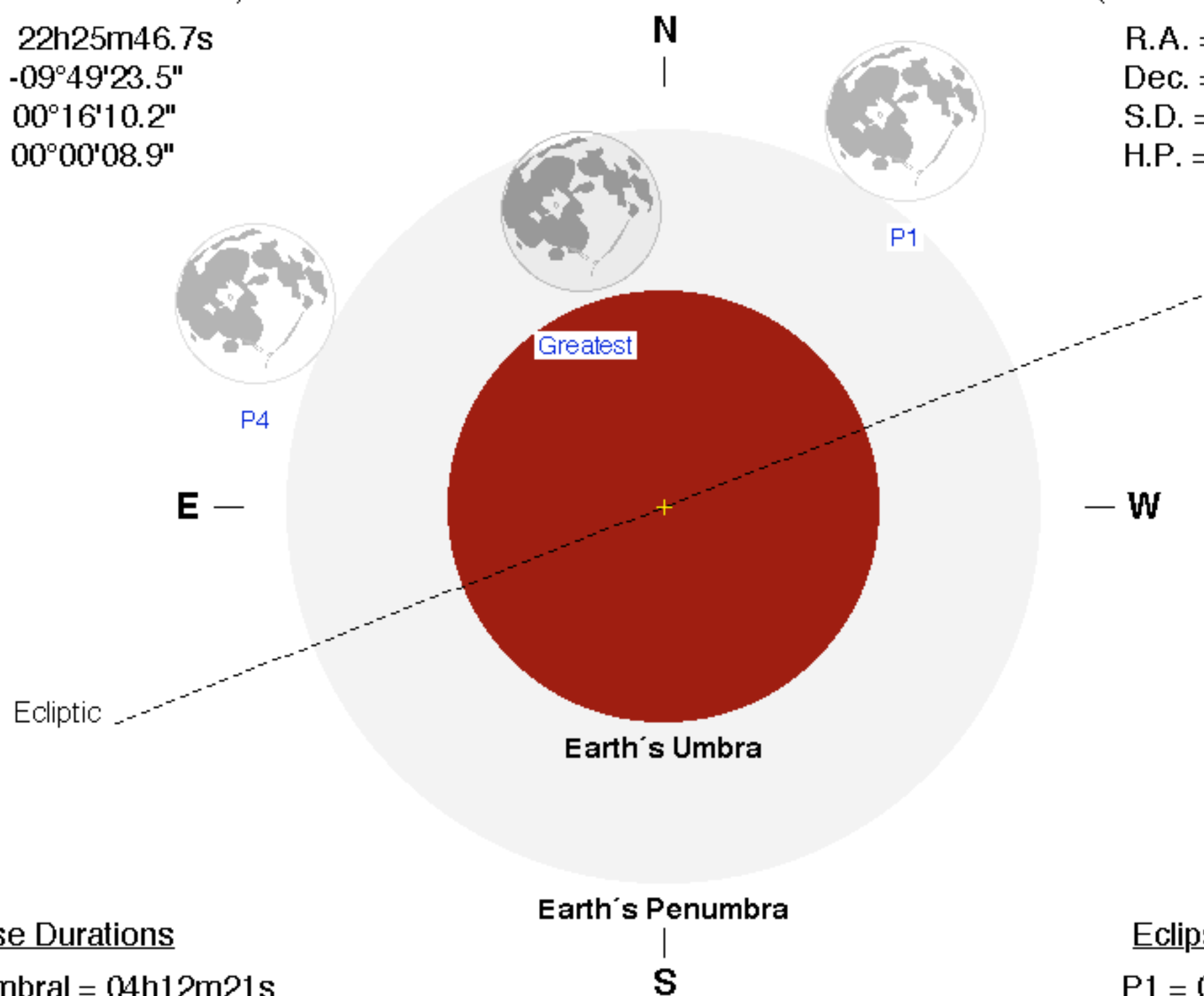
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h26m54.6s

Dec. = +10°48'23.2"

S.D. = 00°15'53.9"

H.P. = 00°58'20.7"



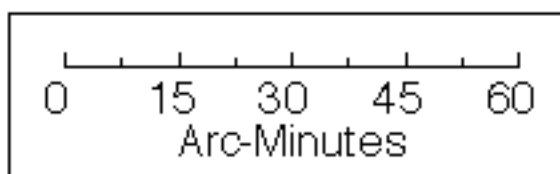
Eclipse Durations

Penumbral = 04h12m21s

Eclipse Contacts

P1 = 03:11:46 UT

P4 = 07:24:08 UT



$\Delta T = 184$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

