

Penumbral Lunar Eclipse of 1951 Mar 23

Ecliptic Conjunction = 10:50:16.8 TD (= 10:49:47.3 UT)

Greatest Eclipse = 10:37:33.2 TD (= 10:37:03.7 UT)

Penumbral Magnitude = 0.6418

P. Radius = 1.2534°

Gamma = -1.2099

Umbral Magnitude = -0.3661

U. Radius = 0.7185°

Axis = 1.1781°

Saros Series = 141

Member = 20 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 00h07m18.6s

Dec. = +00°47'32.7"

S.D. = 00°16'02.8"

H.P. = 00°00'08.8"

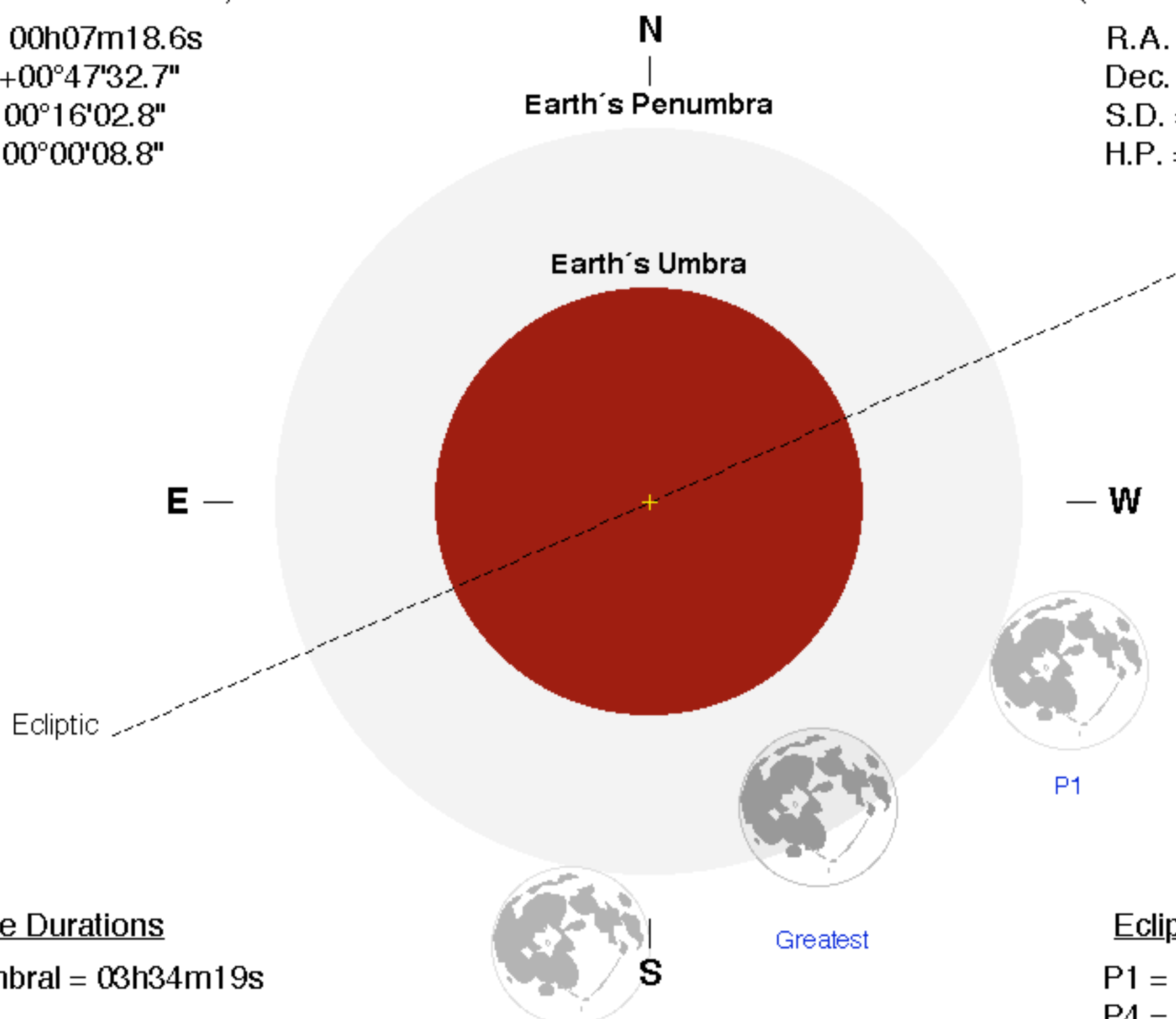
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 12h05m01.7s

Dec. = -01°49'23.9"

S.D. = 00°15'55.2"

H.P. = 00°58'25.6"



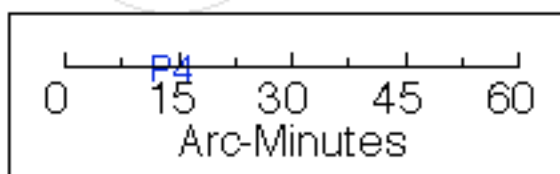
Eclipse Durations

Penumbral = 03h34m19s

Eclipse Contacts

P1 = 08:50:00 UT

P4 = 12:24:19 UT



$\Delta T = 30$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

