

Penumbral Lunar Eclipse of 2081 Sep 18

Ecliptic Conjunction = 03:48:05.7 TD (= 03:45:25.2 UT)

Greatest Eclipse = 03:35:25.8 TD (= 03:32:45.3 UT)

Penumbral Magnitude = 0.9270

P. Radius = 1.1768°

Gamma = 1.0747

Umbral Magnitude = -0.1545

U. Radius = 0.6463°

Axis = 0.9673°

Saros Series = 148

Member = 7 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 11h45m03.1s

Dec. = +01°37'05.1"

S.D. = 00°15'54.9"

H.P. = 00°00'08.8"

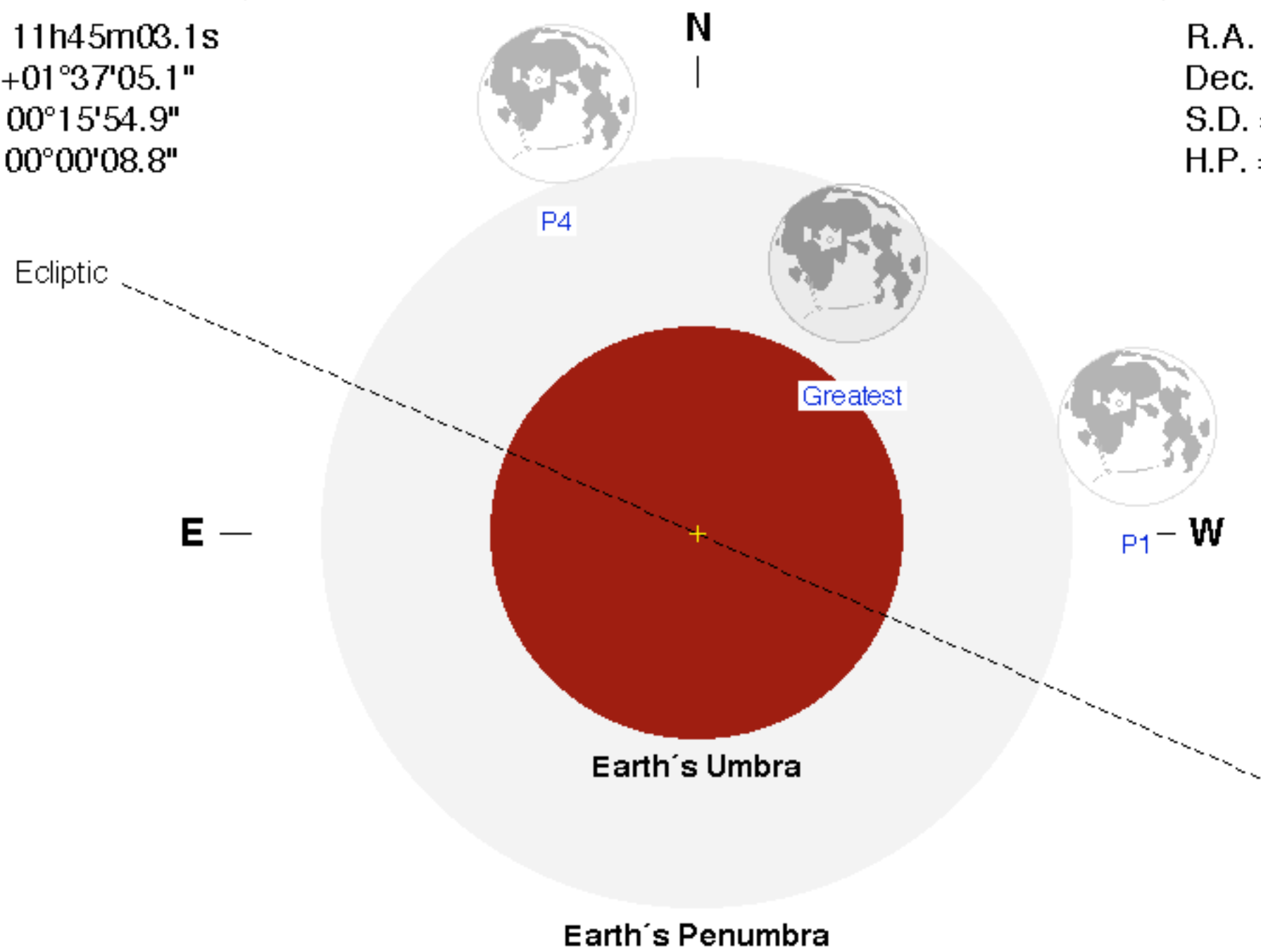
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 23h43m10.5s

Dec. = -00°46'20.1"

S.D. = 00°14'42.9"

H.P. = 00°54'00.3"



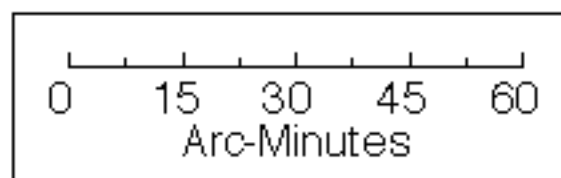
Eclipse Durations

Penumbral = 04h35m42s

Eclipse Contacts

P1 = 01:14:56 UT

P4 = 05:50:38 UT



$\Delta T = 161$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

