

Penumbral Lunar Eclipse of 1940 Oct 16

Ecliptic Conjunction = 08:15:21.7 TD (= 08:14:57.0 UT)

Greatest Eclipse = 08:01:17.4 TD (= 08:00:52.7 UT)

Penumbral Magnitude = 0.7156

P. Radius = 1.1791°

Gamma = -1.1924

Umbral Magnitude = -0.3749

U. Radius = 0.6441°

Axis = 1.0733°

Saros Series = 145

Member = 7 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 13h24m23.2s

Dec. = -08°52'19.0"

S.D. = 00°16'03.0"

H.P. = 00°00'08.8"

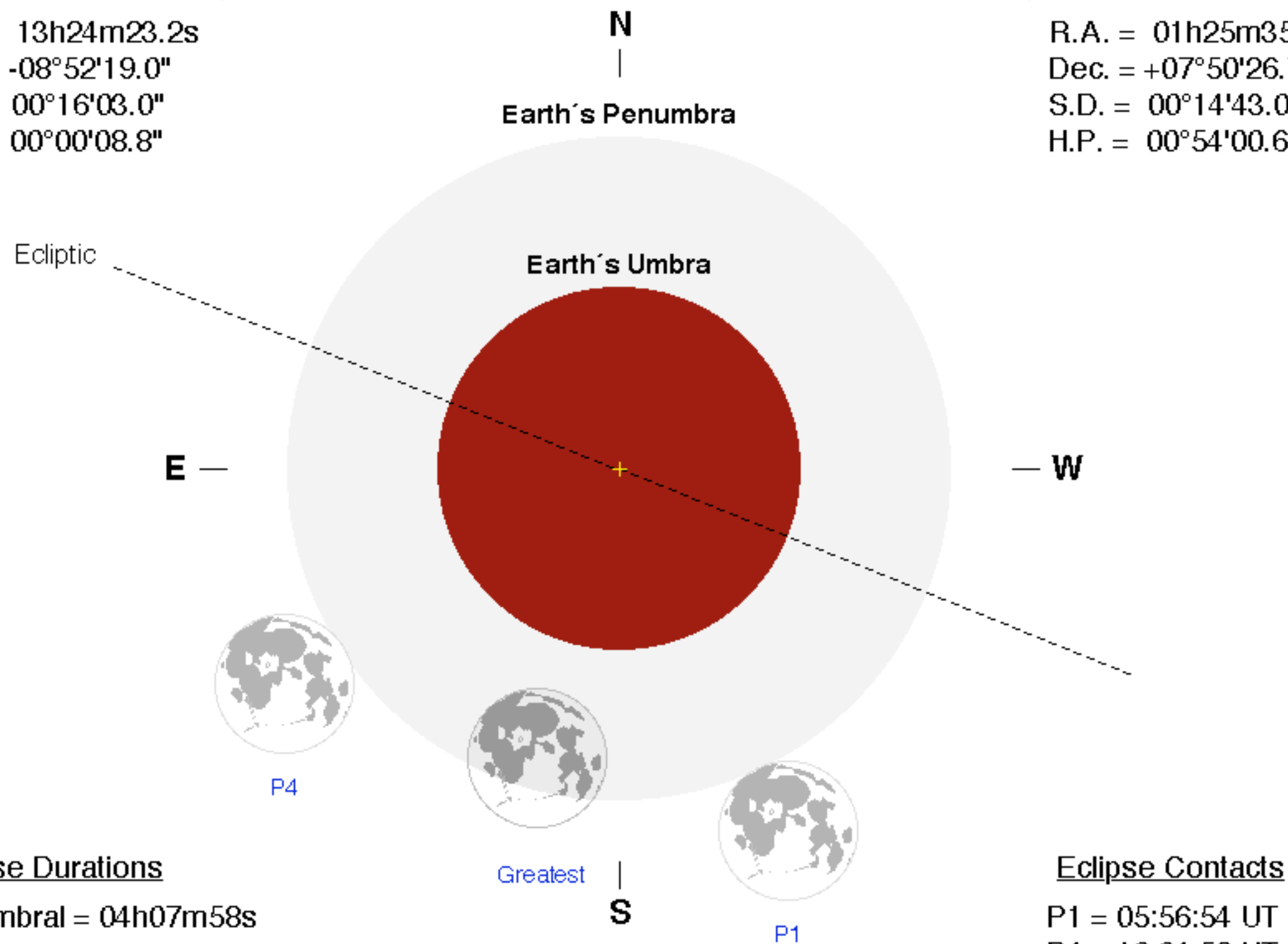
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 01h25m35.5s

Dec. = +07°50'26.7"

S.D. = 00°14'43.0"

H.P. = 00°54'00.6"



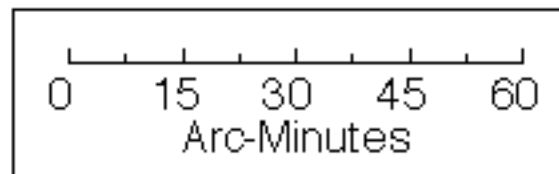
Eclipse Durations

Penumbral = 04h07m58s

Eclipse Contacts

P1 = 05:56:54 UT

P4 = 10:04:52 UT



$\Delta T = 25$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

