

Penumbral Lunar Eclipse of 1918 Dec 17

Ecliptic Conjunction = 19:17:28.5 TD (= 19:17:07.7 UT)

Greatest Eclipse = 19:06:00.5 TD (= 19:05:39.8 UT)

Penumbral Magnitude = 0.8340

P. Radius = 1.2757°

Gamma = -1.1035

Umbral Magnitude = -0.1679

U. Radius = 0.7339°

Axis = 1.0951°

Saros Series = 143

Member = 13 of 73

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 17h38m26.8s

Dec. = -23°21'23.2"

S.D. = 00°16'15.3"

H.P. = 00°00'08.9"

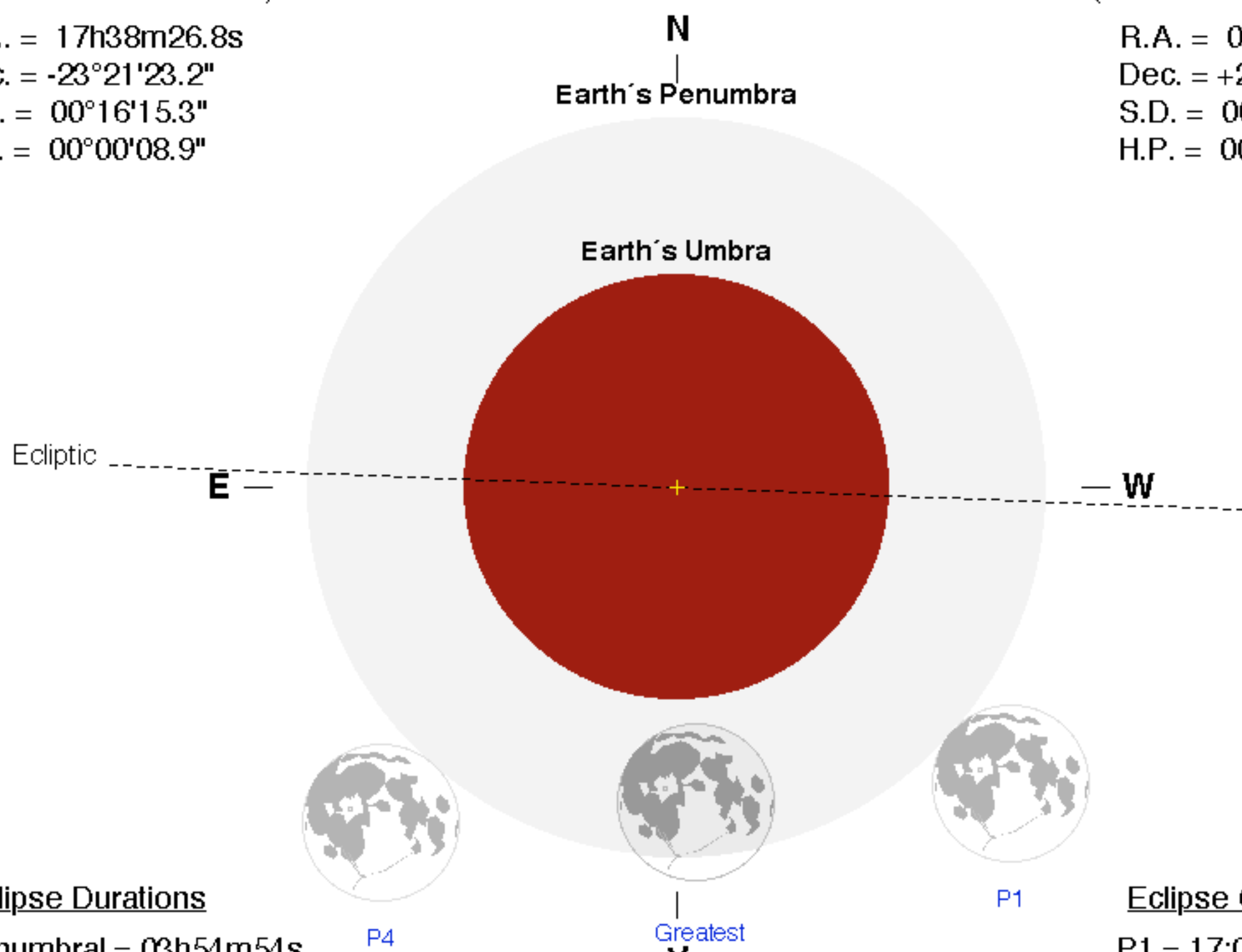
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 05h38m09.9s

Dec. = +22°15'47.5"

S.D. = 00°16'13.5"

H.P. = 00°59'32.7"



Eclipse Durations

Penumbral = 03h54m54s

P4

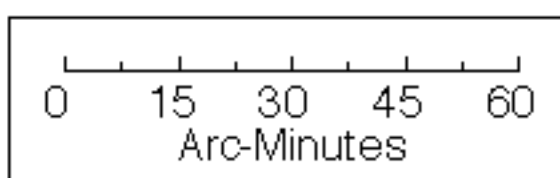
Greatest

P1

Eclipse Contacts

P1 = 17:08:10 UT

P4 = 21:03:04 UT



$\Delta T = 21 \text{ s}$

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

