

Penumbral Lunar Eclipse of 1969 Aug 27

Ecliptic Conjunction = 10:33:02.9 TD (= 10:32:23.1 UT)

Greatest Eclipse = 10:48:14.6 TD (= 10:47:34.7 UT)

Penumbral Magnitude = 0.0131

P. Radius = 1.2802°

Gamma = -1.5407

Umbral Magnitude = -0.9516

U. Radius = 0.7524°

Axis = 1.5465°

Saros Series = 108

Member = 72 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 10h23m30.2s

Dec. = +10°03'05.7"

S.D. = 00°15'50.0"

H.P. = 00°00'08.7"

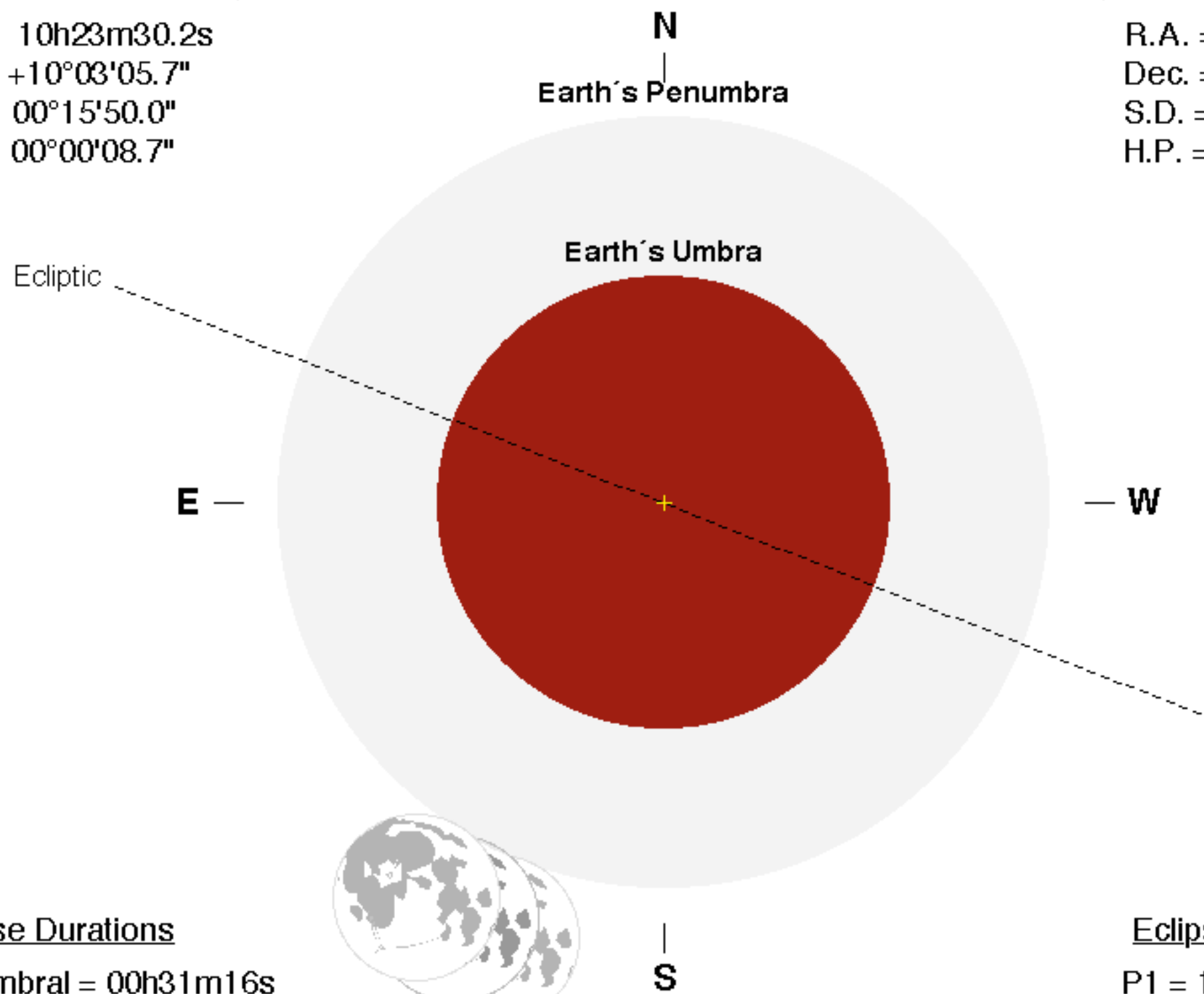
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 22h26m20.0s

Dec. = -11°25'58.9"

S.D. = 00°16'24.7"

H.P. = 01°00'13.8"



Eclipse Durations

Penumbral = 00h31m16s

Eclipse Contacts

P1 = 10:31:50 UT

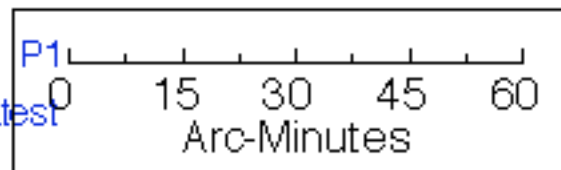
P4 = 11:03:06 UT



P4

P1

Greatest



$\Delta T = 40$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

