

Penumbral Lunar Eclipse of 2031 May 07

Ecliptic Conjunction = 03:41:02.8 TD (= 03:39:44.3 UT)

Greatest Eclipse = 03:52:01.7 TD (= 03:50:43.3 UT)

Penumbral Magnitude = 0.8814

P. Radius = 1.2744°

Gamma = -1.0694

Umbral Magnitude = -0.0904

U. Radius = 0.7460°

Axis = 1.0670°

Saros Series = 112 Member = 66 of 72

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 02h55m49.7s

Dec. = +16°44'40.3"

S.D. = 00°15'51.2"

H.P. = 00°00'08.7"

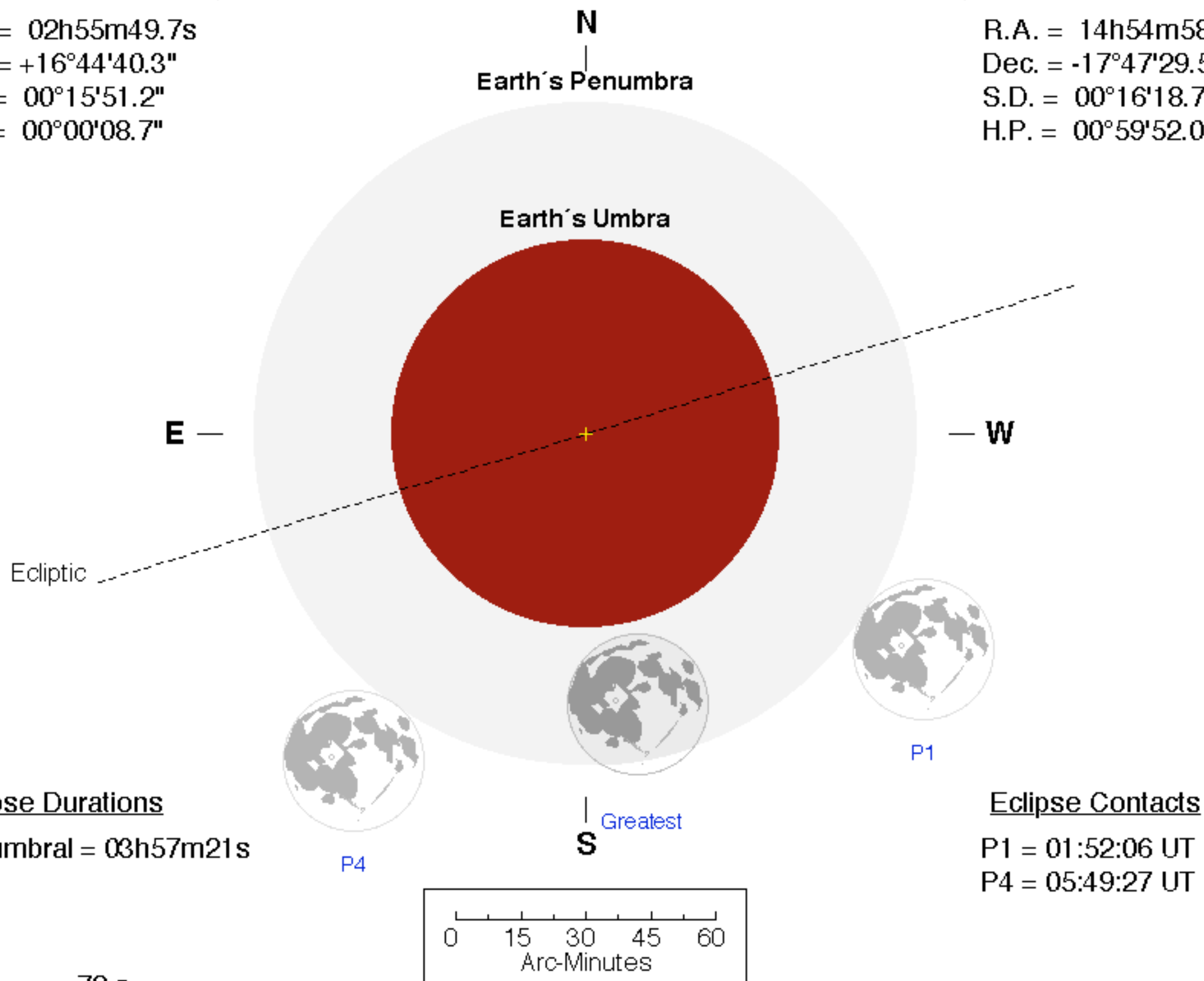
Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 14h54m58.0s

Dec. = -17°47'29.5"

S.D. = 00°16'18.7"

H.P. = 00°59'52.0"



Eclipse Durations

Penumbral = 03h57m21s

Eclipse Contacts

P1 = 01:52:06 UT

P4 = 05:49:27 UT

$\Delta T = 78$ s

Rule = CdT (Danjon)

Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC

eclipse.gsfc.nasa.gov/eclipse.html

