

Penumbral Lunar Eclipse of 2027 Aug 17

Greatest Eclipse = 07:14:57.9 TD (= 07:13:48.7 UTC)

Penumbral Magnitude = 0.5476
Umbral Magnitude = -0.5234

Gamma = 1.2797
Axis = 1.1544°

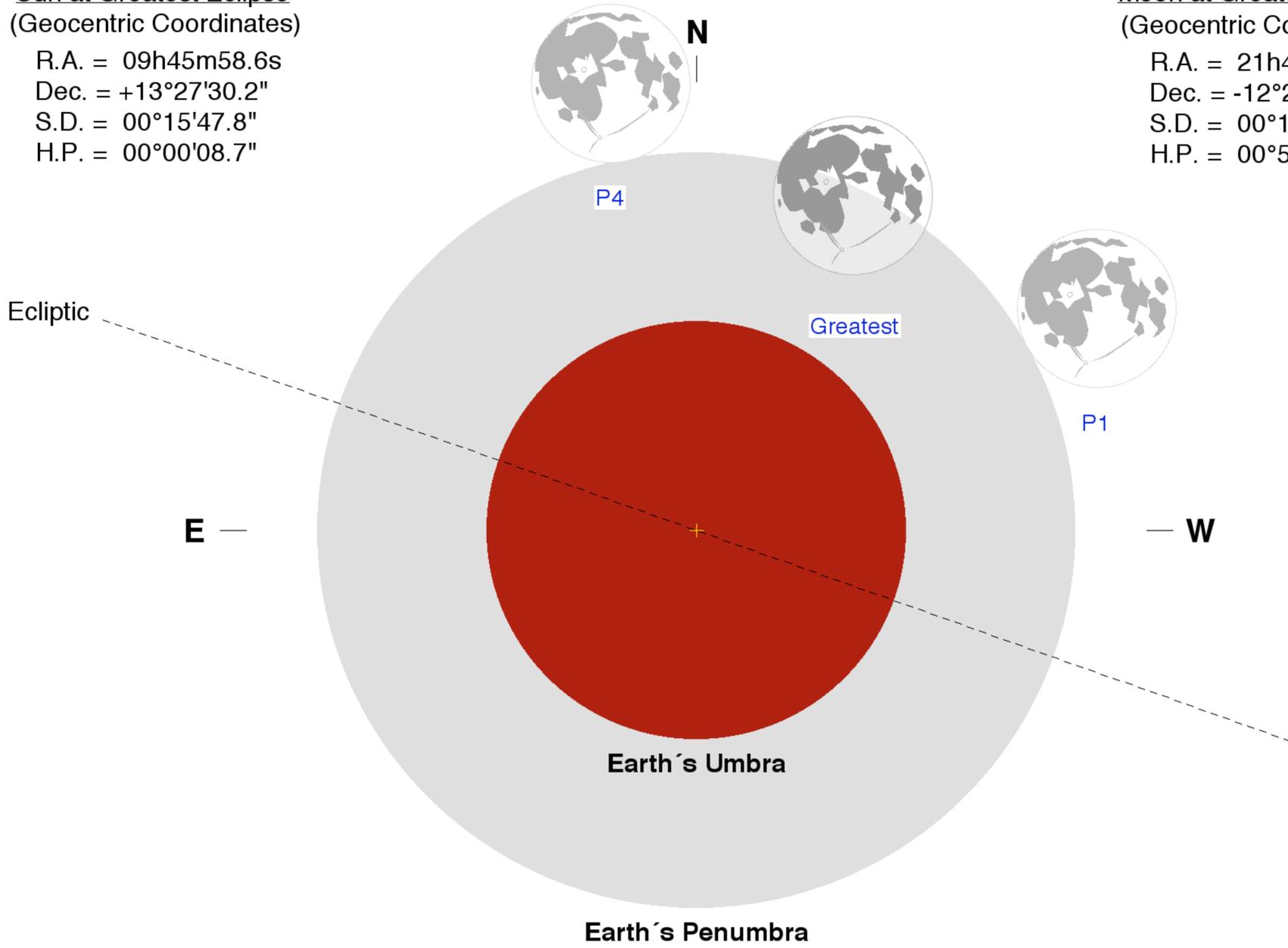
Saros Series = 148
Saros Member = 4 of 70

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 09h45m58.6s
Dec. = +13°27'30.2"
S.D. = 00°15'47.8"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)

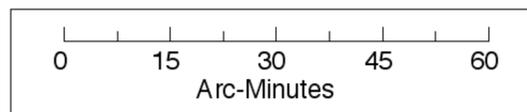
R.A. = 21h43m58.8s
Dec. = -12°24'40.9"
S.D. = 00°14'44.9"
H.P. = 00°54'07.8"



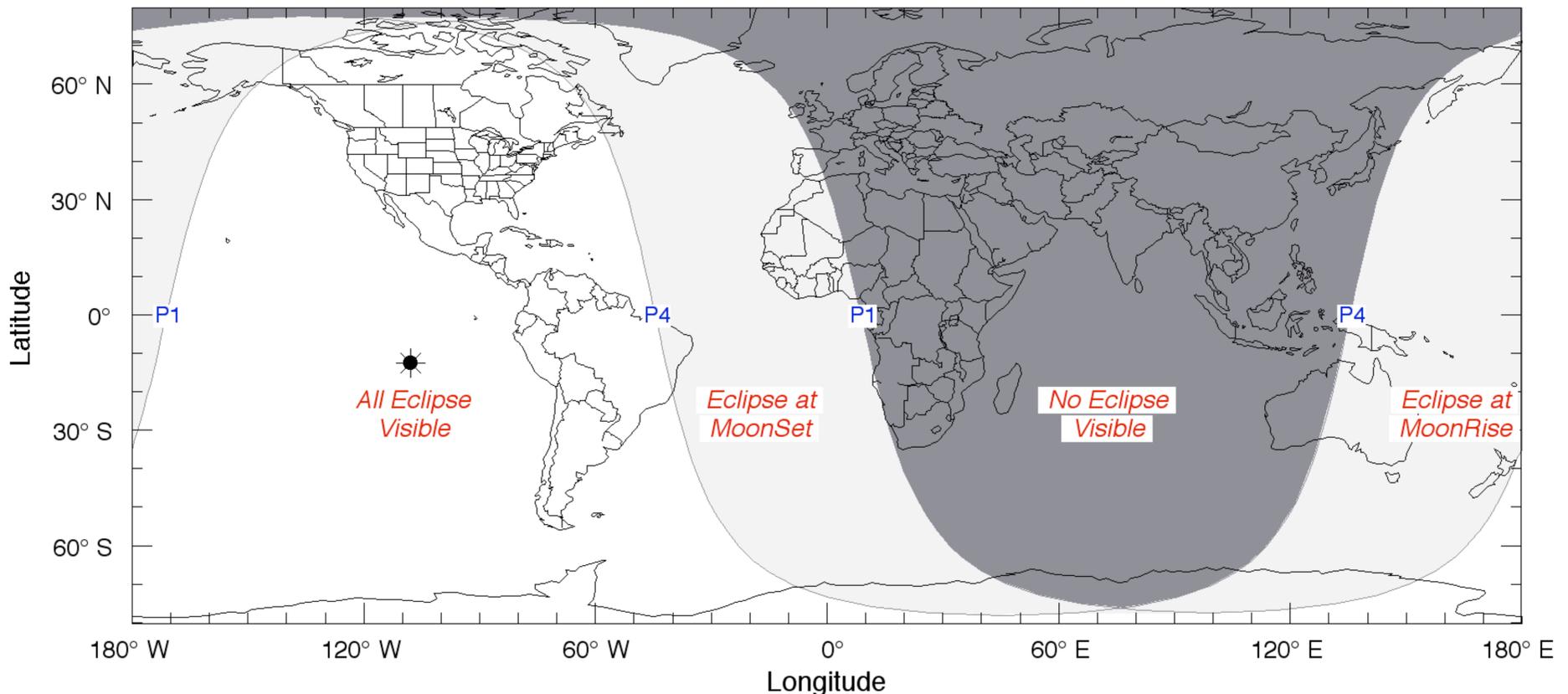
Eclipse Durations
Penumbral = 03h39m21s

Eclipse Contacts
P1 = 05:23:56 UTC
P4 = 09:03:17 UTC

Eph. = JPL DE430
Rule = Herald-Sinnott
 $\Delta T = 69$ s



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Adapted from *21st Century Canon of Lunar Eclipses*, Fred Espenak, 2020.