Penumbral Lunar Eclipse of 2027 Jul 18

Ecliptic Conjunction = 15:46:04.5 TD (= 15:44:48.6 UT)
Greatest Eclipse = 16:04:08.6 TD (= 16:02:52.6 UT)

Penumbral Magnitude = 0.0014 P. Radius = 1.1739° Gamma = -1.5758
Umbral Magnitude = -1.0680 U. Radius = 0.6493° Axis = 1.4184°

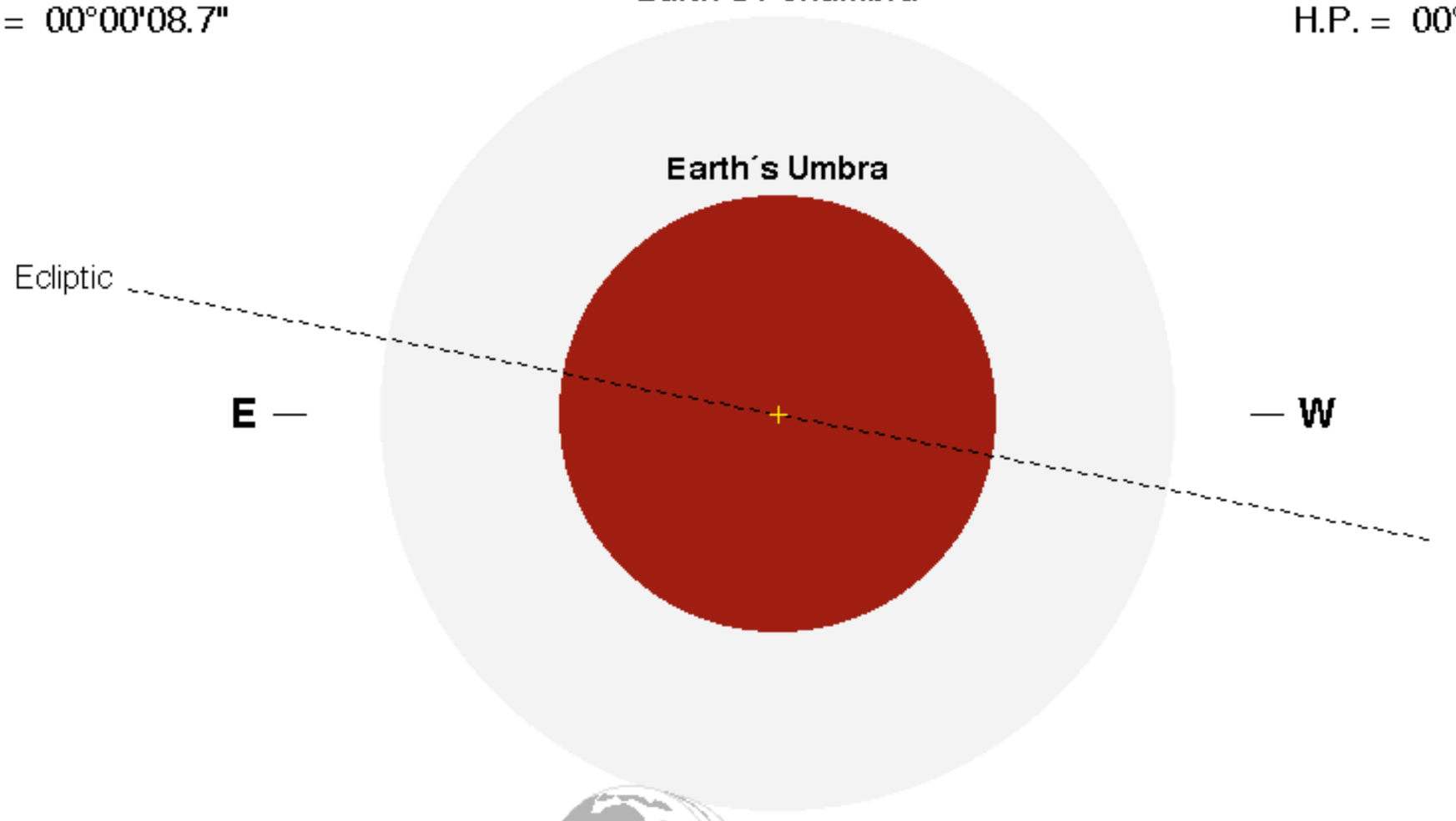
Saros Series = 110 Member = 72 of 72

<u>Sun at Greatest Eclipse</u>
(Geocentric Coordinates)

R.A. = 07h51m14.4s
Dec. = +20°58'43.5"
S.D. = 00°15'44.3"
H.P. = 00°00'08.7"

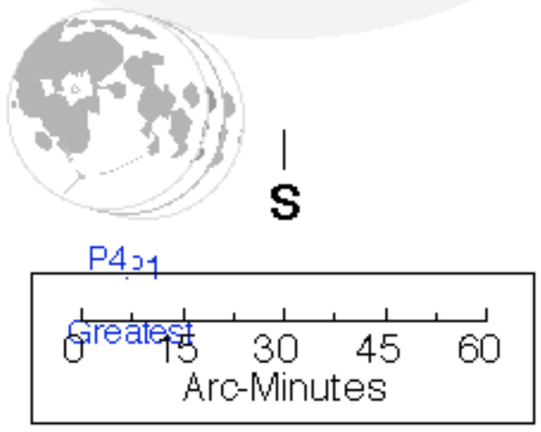
<u>Moon at Greatest Eclipse</u>
(Geocentric Coordinates)

R.A. = 19h52m57.1s
Dec. = -22°20'25.5"
S.D. = 00°14'43.0"
H.P. = 00°54'00.6"



<u>Eclipse Durations</u>

Penumbral = 00h11m47s

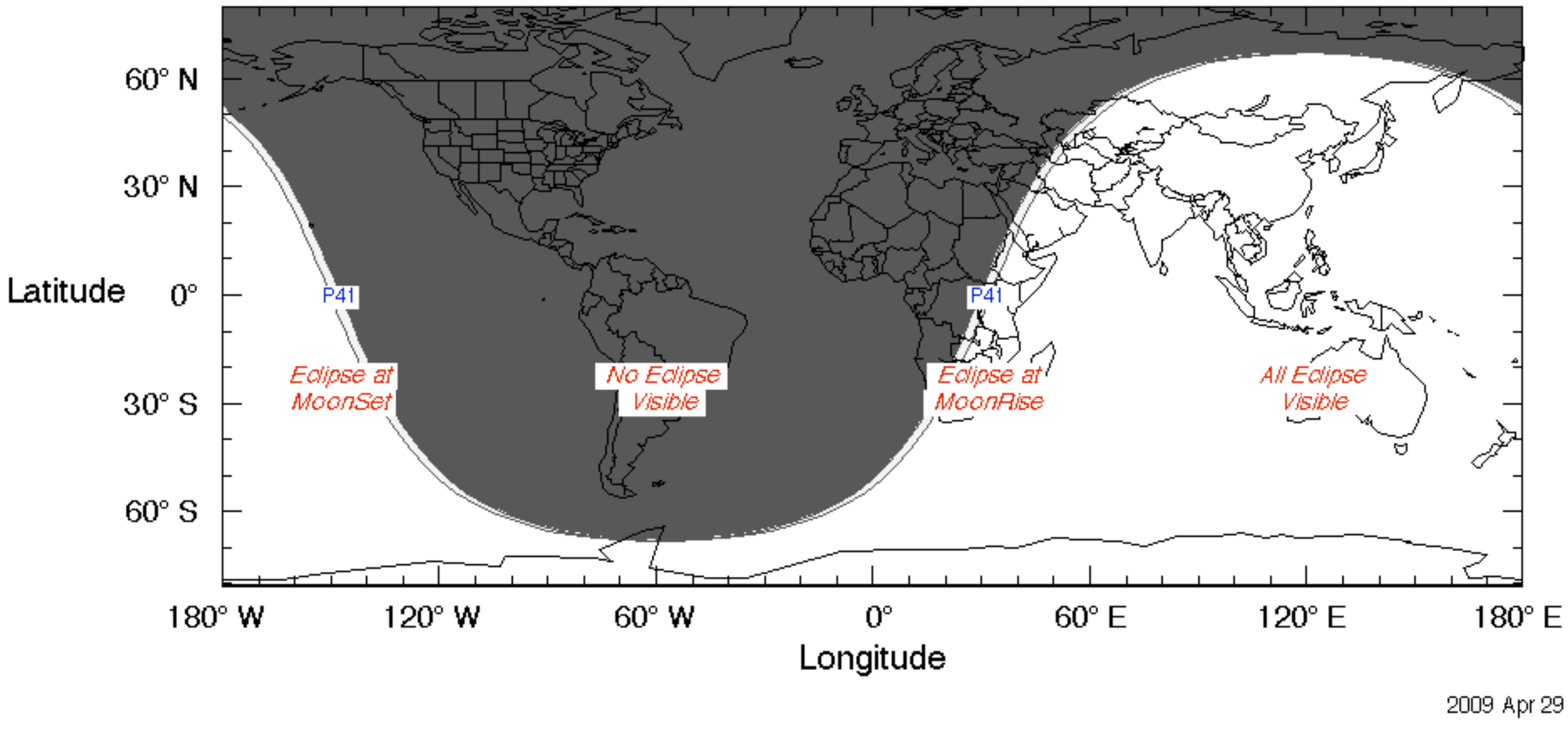


<u>Eclipse Contacts</u>

P1 = 15:56:57 UT
P4 = 16:08:45 UT

ΔT = 76 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

F. Espenak, NASA's GSFC
eclipse.gsfc.nasa.gov/eclipse.html



2009 Apr 29