Partial Lunar Eclipse of 1981 Jul 17

Ecliptic Conjunction = 04:39:41.4 TD (= 04:38:49.5 UT)
Greatest Eclipse = 04:47:40.1 TD (= 04:46:48.2 UT)

Penumbral Magnitude = 1.5822 P. Radius = 1.2053° Gamma = 0.7045
Umbral Magnitude = 0.5486 U. Radius = 0.6807° Axis = 0.6560°

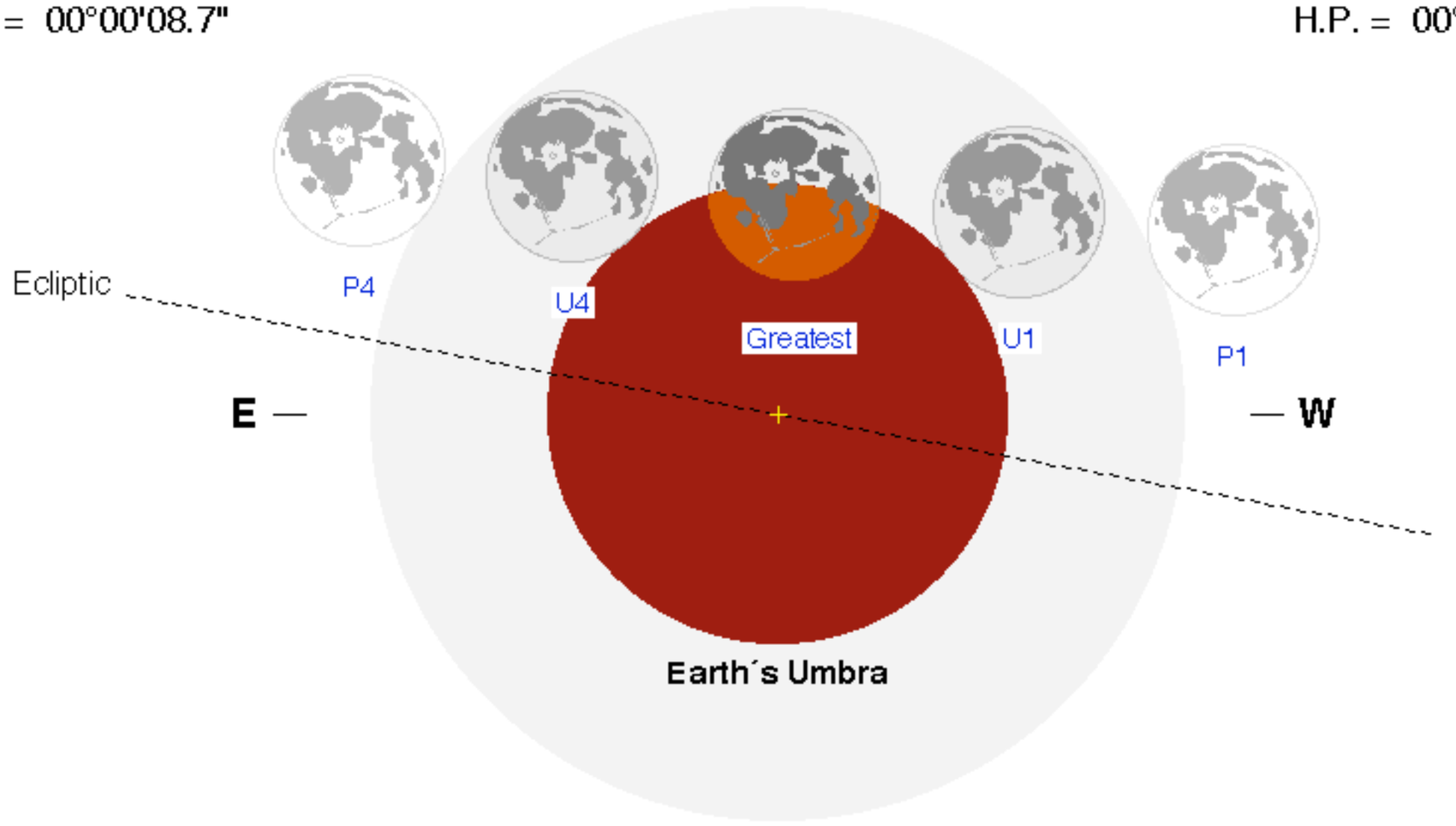
Saros Series = 119 Member = 60 of 83

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

R.A. = 07h45m44.1s
Dec. = +21°13'06.1"
S.D. = 00°15'44.2"
H.P. = 00°00'08.7"

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

R.A. = 19h45m30.8s
Dec. = -20°33'51.6"
S.D. = 00°15'13.5"
H.P. = 00°55'52.6"



<u>Eclipse Durations</u>

Penumbral = 05h19m37s
Umbral = 02h43m13s

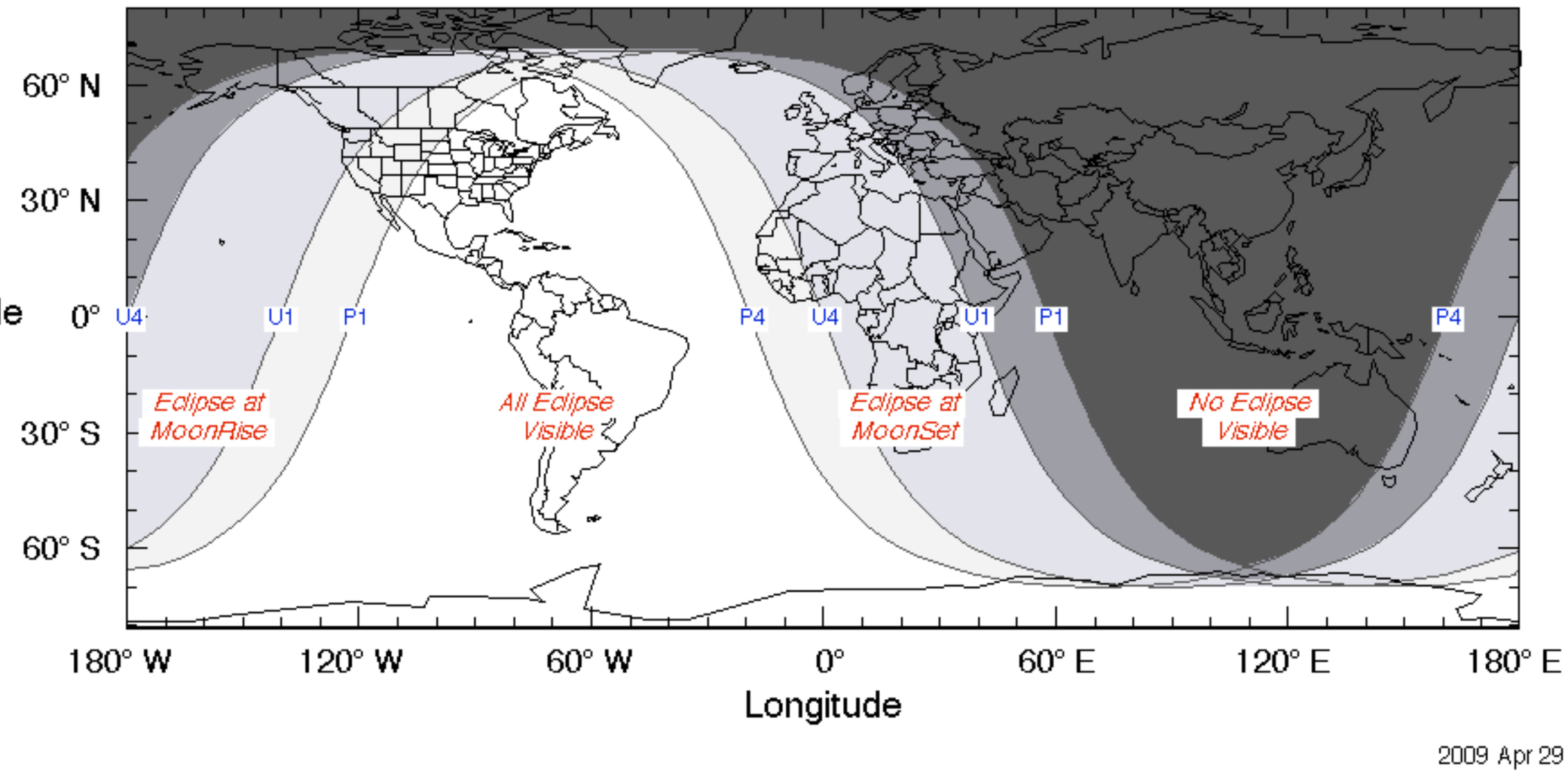
<u>Eclipse Contacts</u>

P1 = 02:06:59 UT
U1 = 03:25:15 UT
U4 = 06:08:28 UT
P4 = 07:26:36 UT

ΔT = 52 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

0 15 30 45 60
Arc-Minutes

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



2009 Apr 29