Partial Lunar Eclipse of 2028 Jan 12

Ecliptic Conjunction = 04:04:14.5 TD (= 04:02:58.3 UT)
Greatest Eclipse = 04:14:13.0 TD (= 04:12:56.7 UT)

Penumbral Magnitude = 1.0468 P. Radius = 1.2981° Gamma = 0.9817
Umbral Magnitude = 0.0662 U. Radius = 0.7560° Axis = 0.9958°

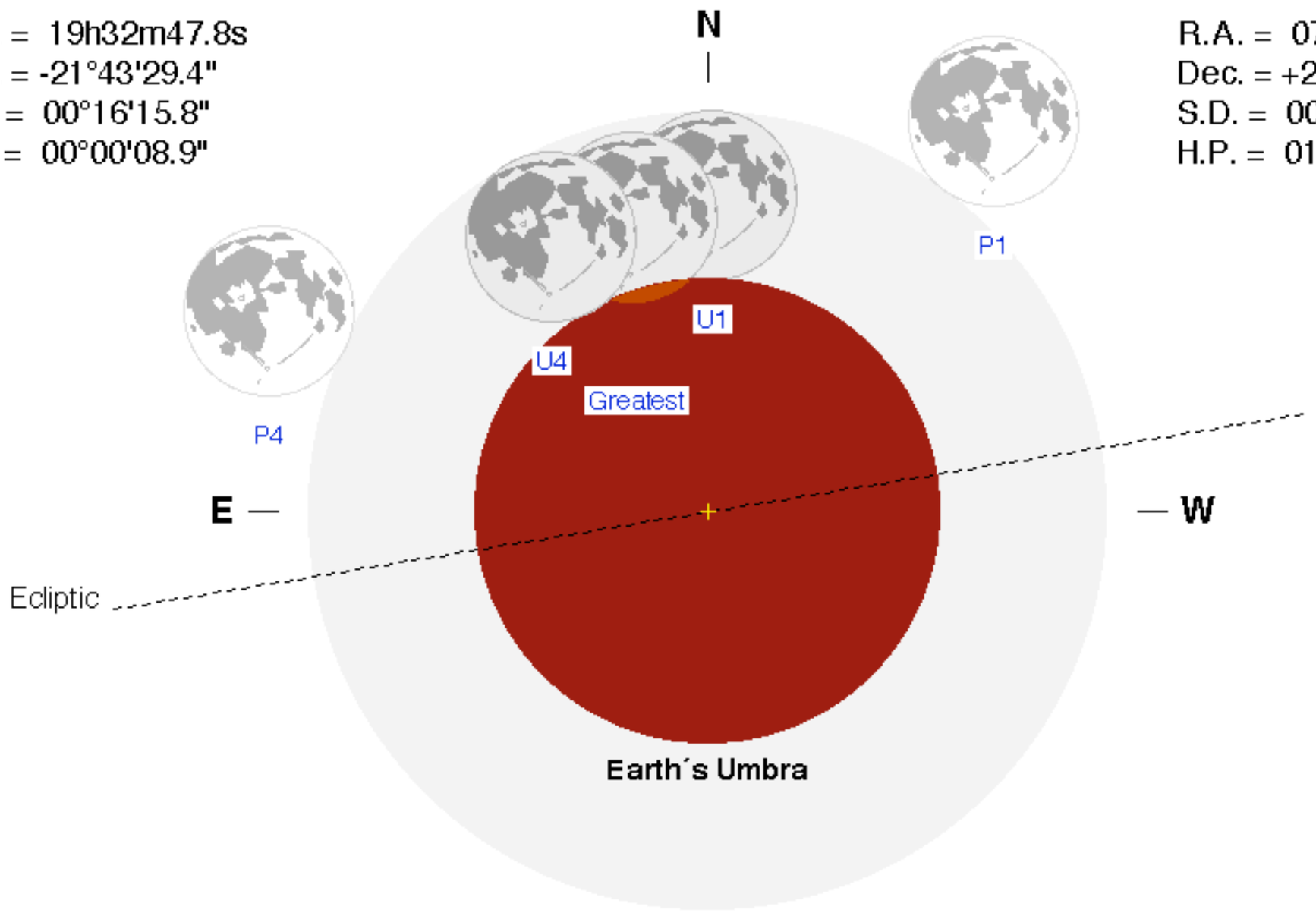
Saros Series = 115 Member = 58 of 72

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

R.A. = 19h32m47.8s
Dec. = -21°43'29.4"
S.D. = 00°16'15.8"
H.P. = 00°00'08.9"

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

R.A. = 07h33m53.0s
Dec. = +22°41'18.3"
S.D. = 00°16'35.1"
H.P. = 01°00'52.0"



<u>Eclipse Durations</u>

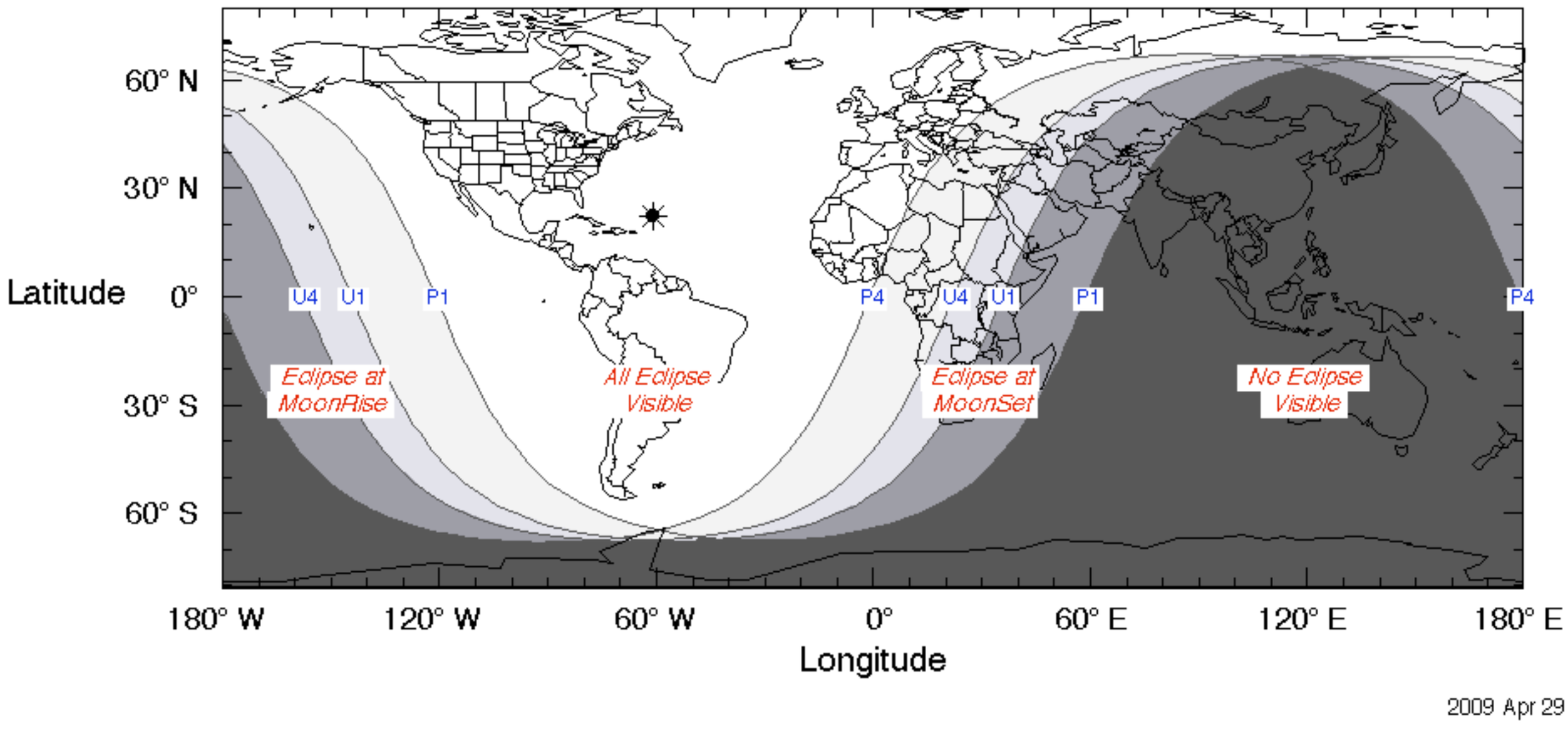
Penumbral = 04h10m41s
Umbral = 00h56m00s

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

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

<u>Eclipse Contacts</u>

P1 = 02:07:37 UT
U1 = 03:45:00 UT
U4 = 04:41:00 UT
P4 = 06:18:18 UT



2009 Apr 29