Total Lunar Eclipse of 2008 Feb 21

Ecliptic Conjunction = 03:31:36.2 TD (= 03:30:30.3 UT)
Greatest Eclipse = 03:27:08.8 TD (= 03:26:02.9 UT)

Penumbral Magnitude = 2.1451 P. Radius = 1.2339° Gamma = -0.3992
Umbral Magnitude = 1.1062 U. Radius = 0.6948° Axis = 0.3802°

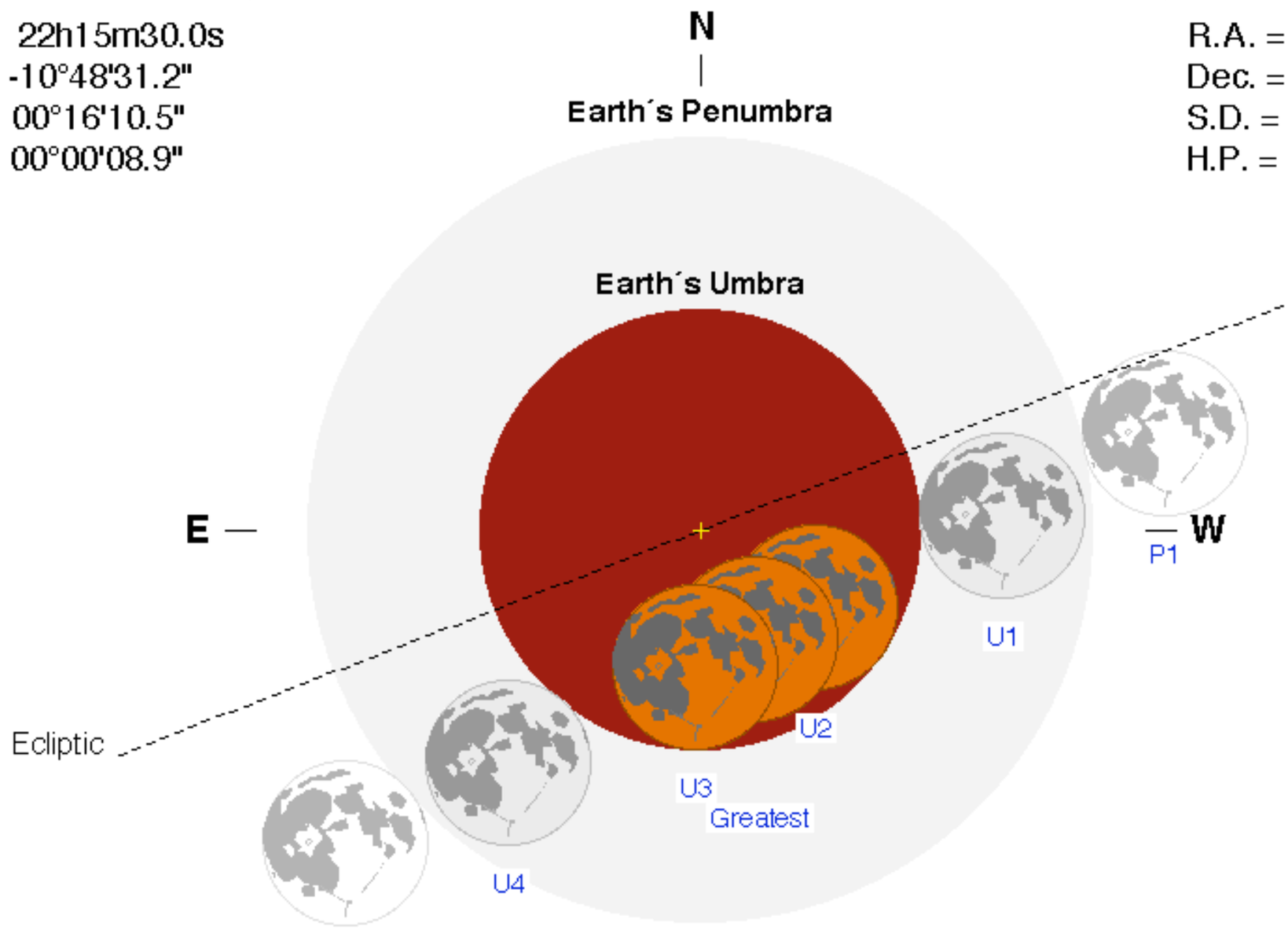
Saros Series = 133 Member = 26 of 71

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 22h15m30.0s
Dec. = -10°48'31.2"
S.D. = 00°16'10.5"
H.P. = 00°00'08.9"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 10h14m48.5s
Dec. = +10°28'07.7"
S.D. = 00°15'34.2"
H.P. = 00°57'08.4"



Eclipse Durations

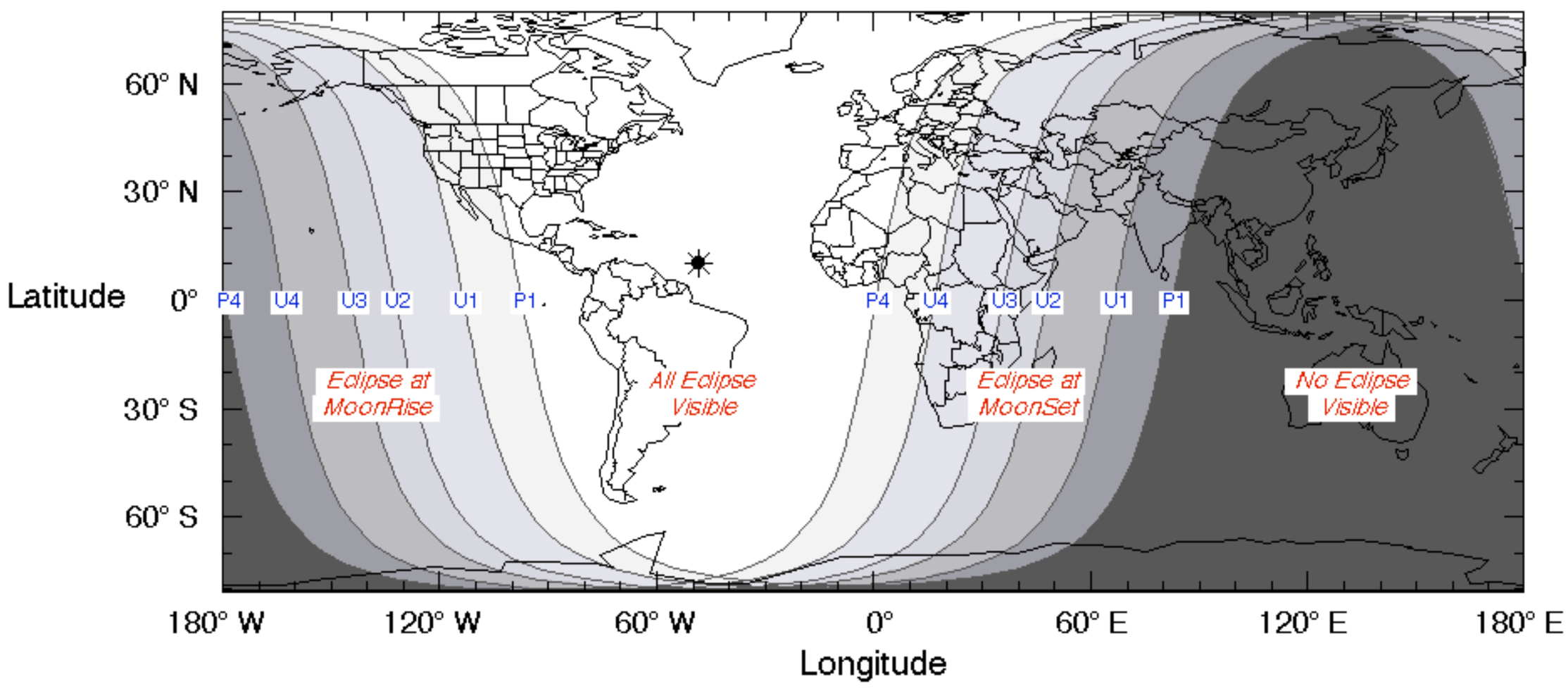
Penumbral = 05h38m58s
Umbral = 03h25m27s
Total = 00h49m45s

ΔT = 66 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

Eclipse Contacts

P1 = 00:36:37 UT
U1 = 01:43:18 UT
U2 = 03:01:09 UT
U3 = 03:50:54 UT
U4 = 05:08:45 UT
P4 = 06:15:35 UT



2009 Apr 17