Penumbral Lunar Eclipse of 1991 Jul 26

Ecliptic Conjunction = 18:25:19.3 TD (= 18:24:21.3 UT)
Greatest Eclipse = 18:08:49.8 TD (= 18:07:51.8 UT)

Penumbral Magnitude = 0.2542 P. Radius = 1.1783° Gamma = 1.4369
Umbral Magnitude = -0.8110 U. Radius = 0.6533° Axis = 1.2994°

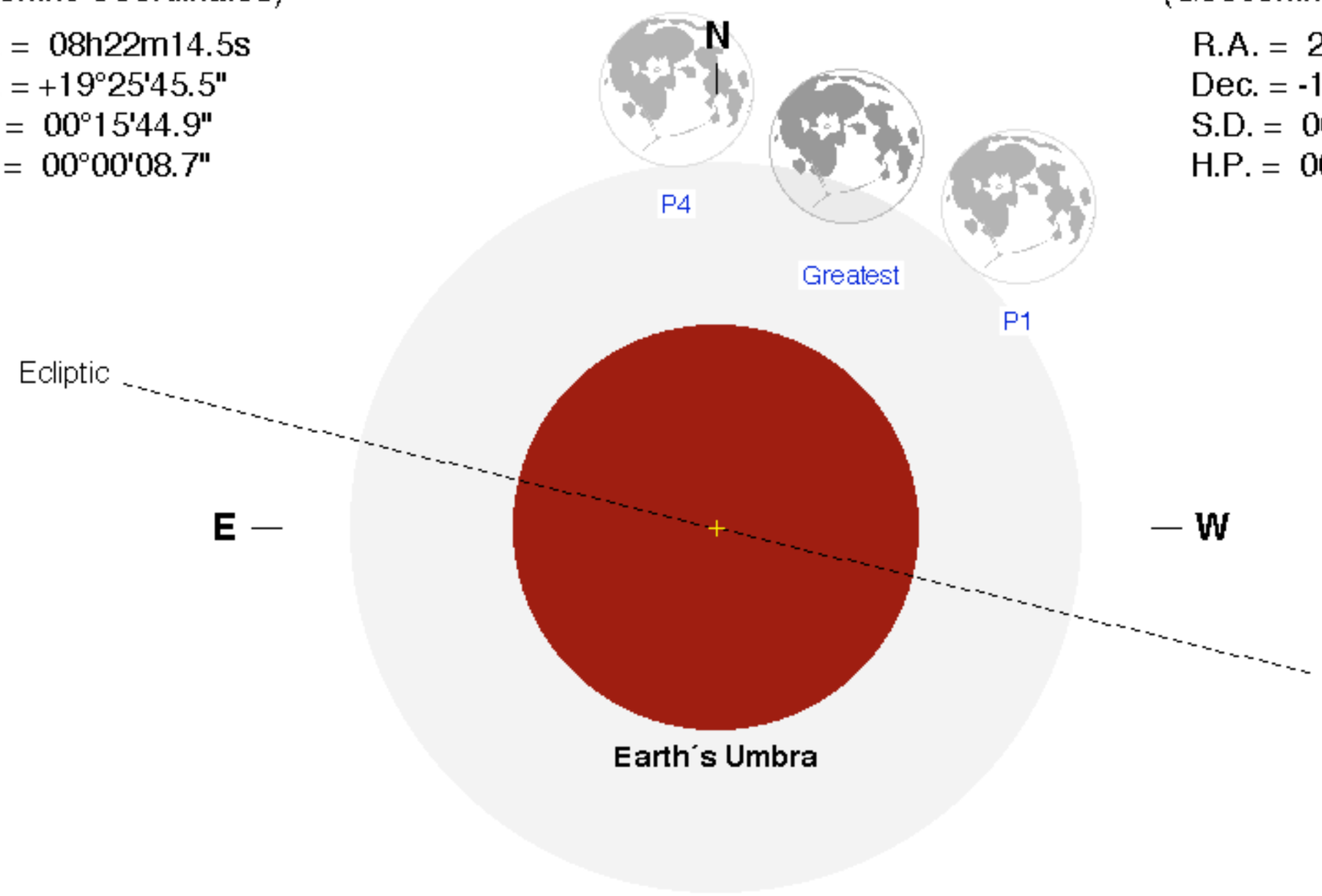
Saros Series = 148 Member = 2 of 71

Sun at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 08h22m14.5s
Dec. = +19°25'45.5"
S.D. = 00°15'44.9"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse
(Geocentric Coordinates)

R.A. = 20h20m28.0s
Dec. = -18°11'58.3"
S.D. = 00°14'47.1"
H.P. = 00°54'15.6"



Eclipse Durations

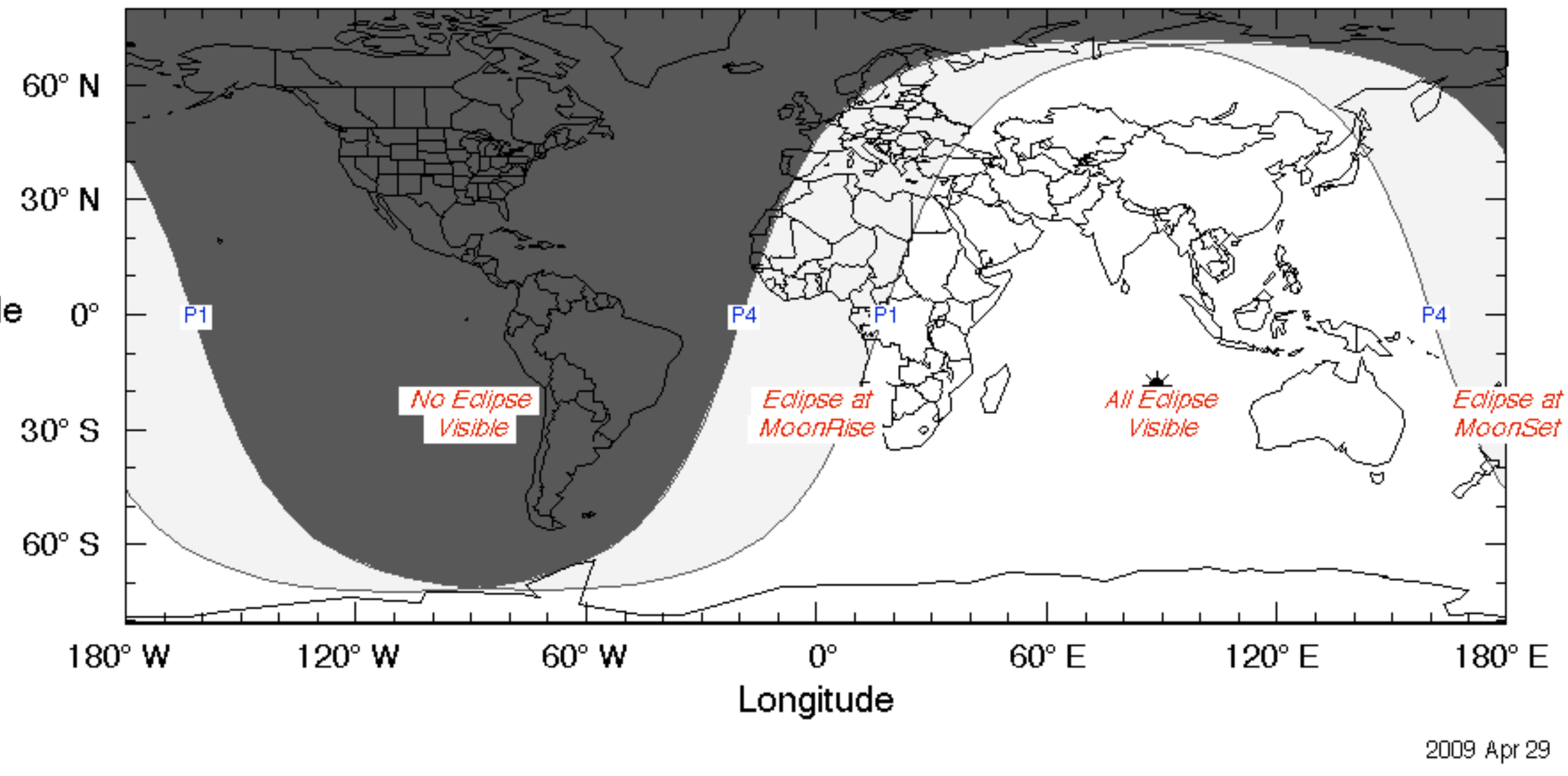
Penumbral = 02h32m42s

Eclipse Contacts

P1 = 16:51:35 UT
P4 = 19:24:16 UT

ΔT = 58 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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



2009 Apr 29