Total Lunar Eclipse of -0424 Oct 09

Ecliptic Conjunction = 21:44:19.7 TD (= 17:13:53.0 UT)
Greatest Eclipse = 21:46:58.6 TD (= 17:16:31.9 UT)

Penumbral Magnitude = 2.4541 P. Radius = 1.2250° Gamma = 0.2336
Umbral Magnitude = 1.4049 U. Radius = 0.6856° Axis = 0.2204°

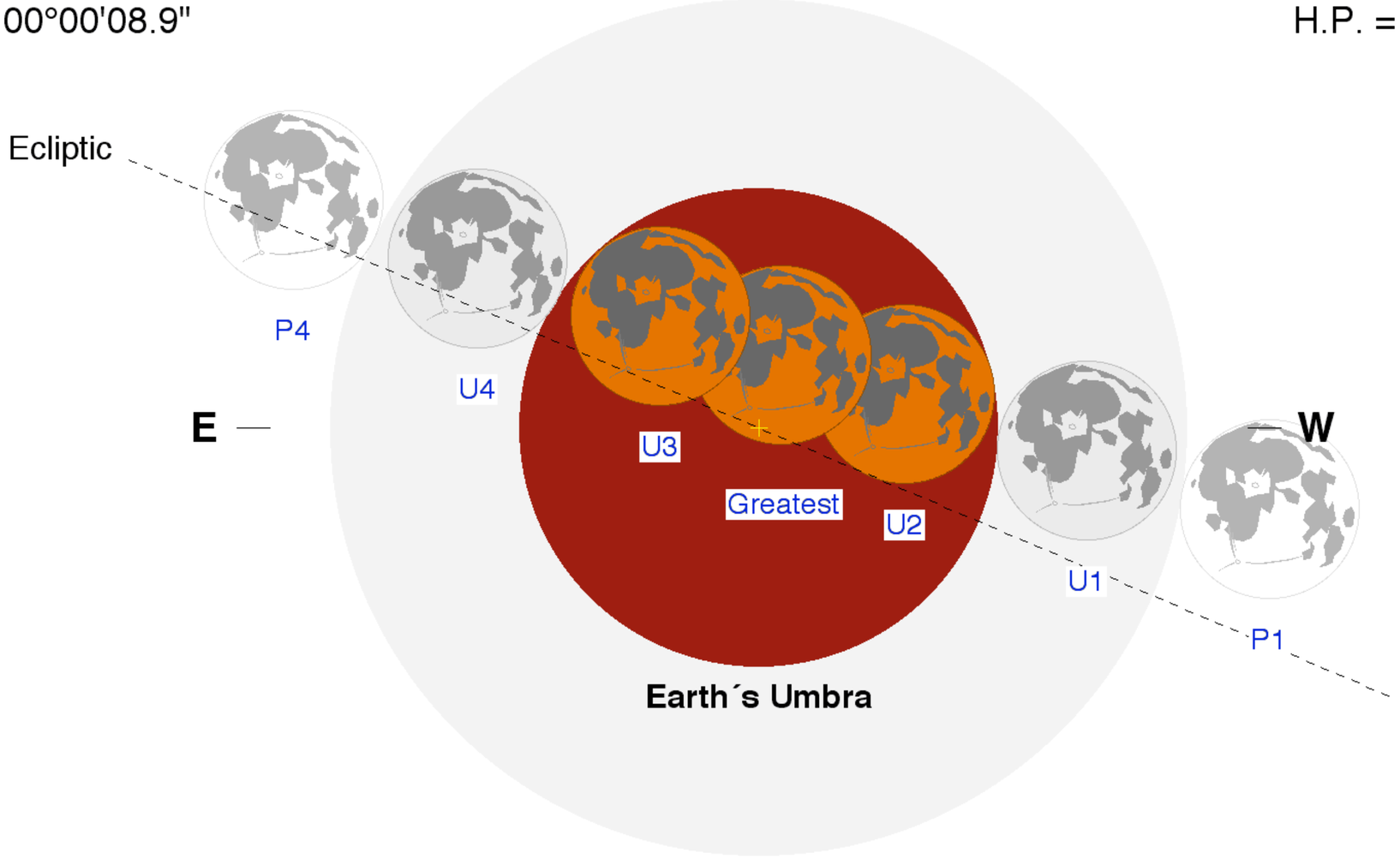
Saros Series = 49 Member = 45 of 73

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

R.A. = 12h42m36.0s
Dec. = -04°38'52.6"
S.D. = 00°16'10.8"
H.P. = 00°00'08.9"

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

R.A. = 00h42m20.0s
Dec. = +04°51'28.8"
S.D. = 00°15'25.4"
H.P. = 00°56'36.1"



<u>Eclipse Durations</u>

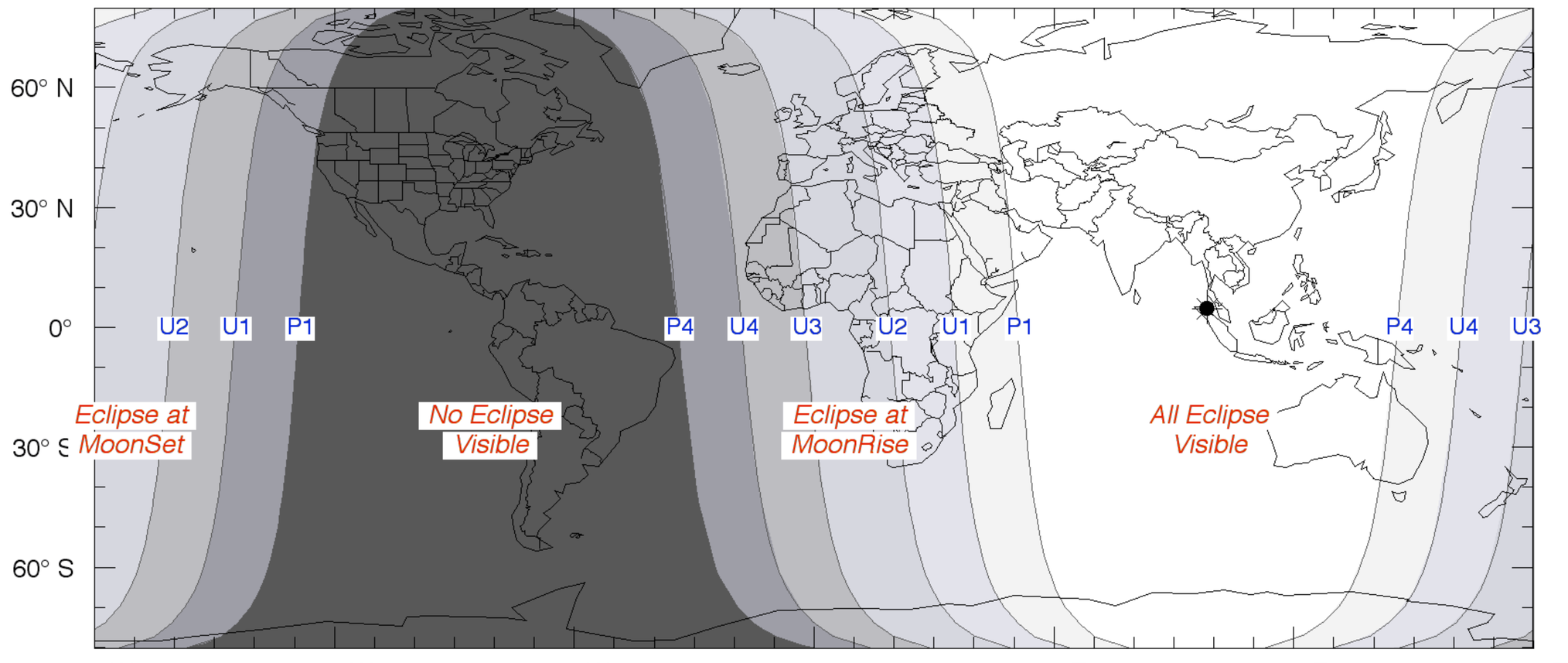
Penumbral = 05h51m01s
Umbral = 03h39m33s
Total = 01h28m03s

ΔT = 16227 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

<u>Eclipse Contacts</u>

P1 = 14:20:59 UT
U1 = 15:26:47 UT
U2 = 16:32:31 UT
U3 = 18:00:34 UT
U4 = 19:06:20 UT
P4 = 20:12:00 UT



2009 Jun 07