Total Lunar Eclipse of 2011 Dec 10

Ecliptic Conjunction = 14:37:29.1 TD (= 14:36:21.6 UT)
Greatest Eclipse = 14:32:56.5 TD (= 14:31:49.0 UT)

Penumbral Magnitude = 2.1860 P. Radius = 1.2023° Gamma = -0.3882
Umbral Magnitude = 1.1061 U. Radius = 0.6609° Axis = 0.3571°

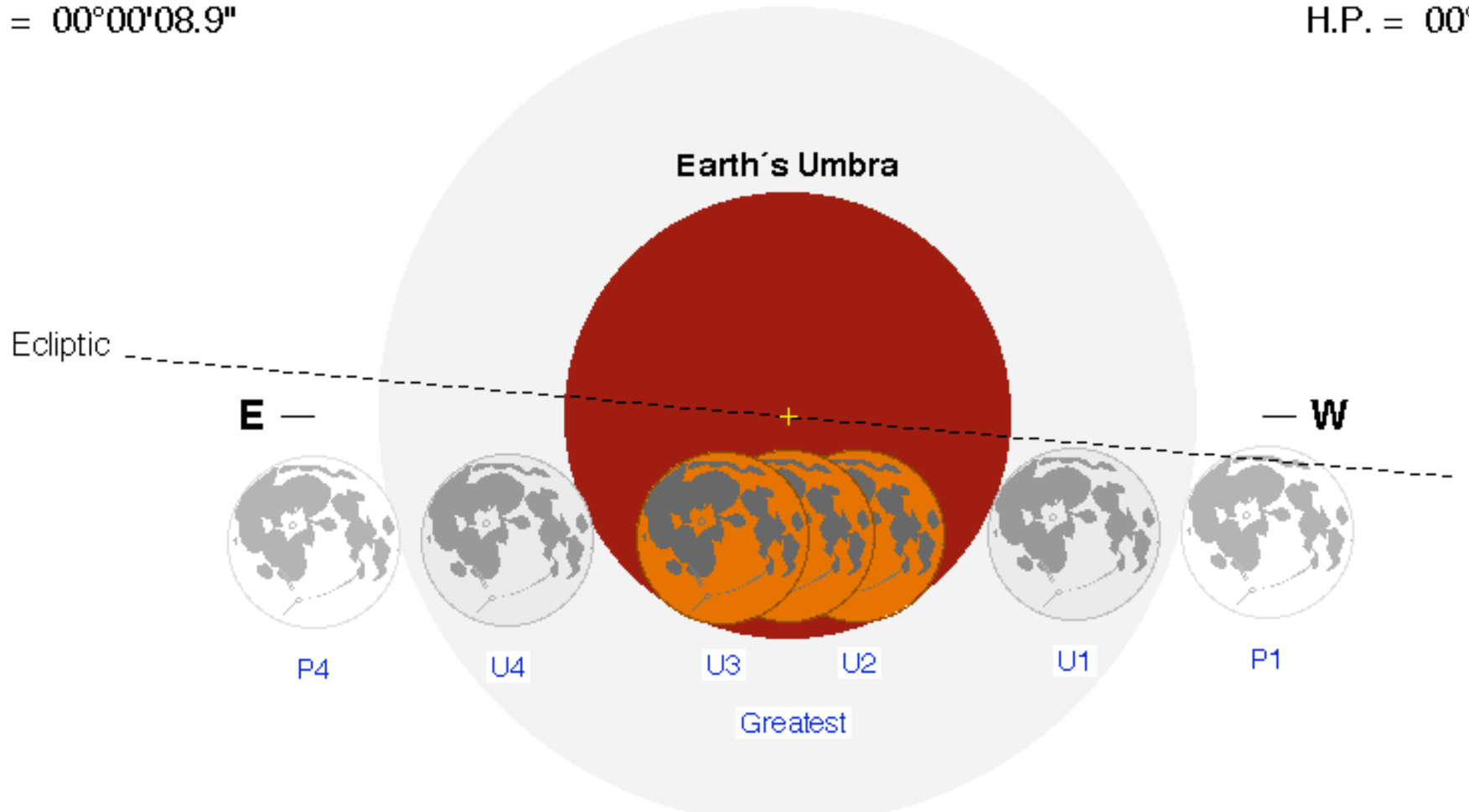
Saros Series = 135 Member = 23 of 71

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

R.A. = 17h08m35.0s
Dec. = -22°54'38.7"
S.D. = 00°16'14.5"
H.P. = 00°00'08.9"

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

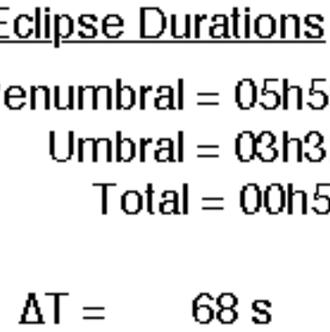
R.A. = 05h08m33.9s
Dec. = +22°33'13.3"
S.D. = 00°15'02.4"
H.P. = 00°55'11.7"



<u>Eclipse Durations</u>

Penumbral = 05h56m21s
Umbral = 03h32m15s
Total = 00h51m08s

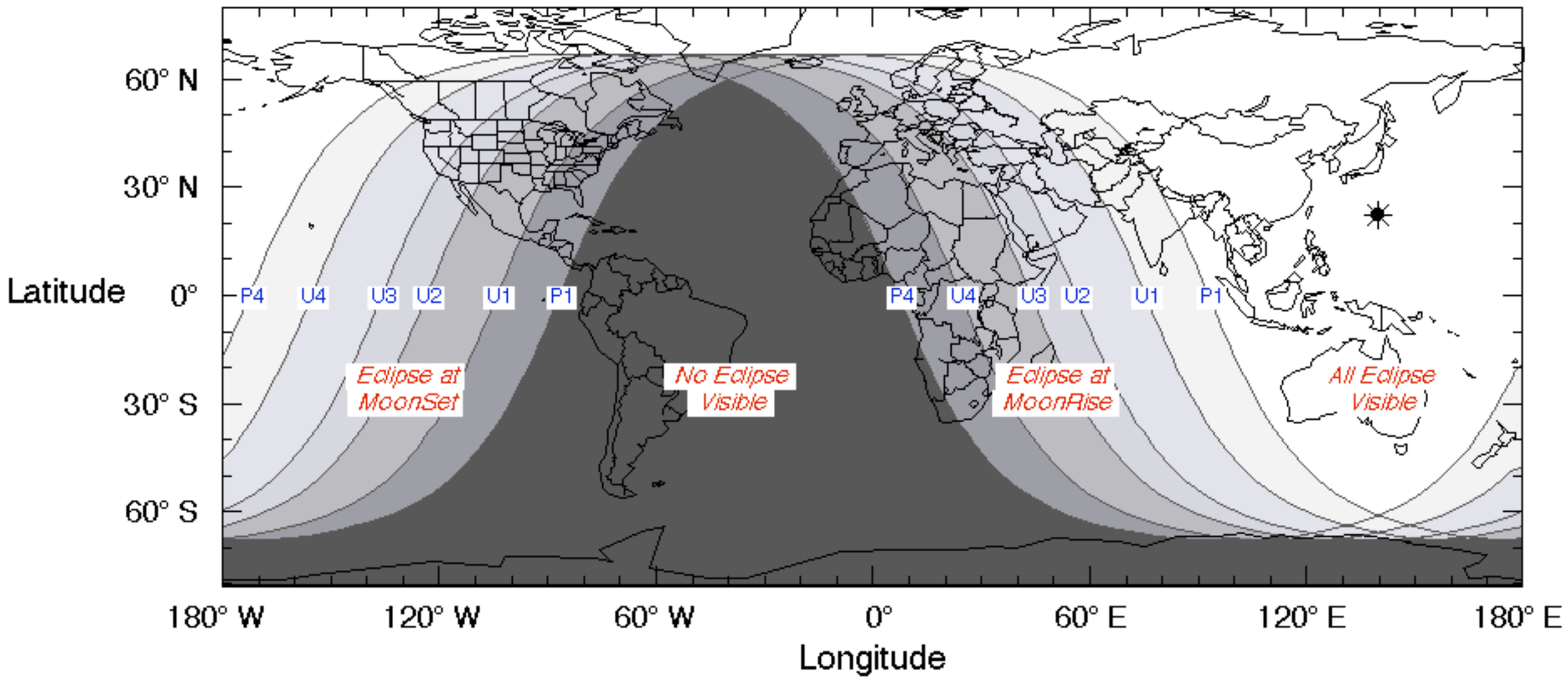
ΔT = 68 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85



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

<u>Eclipse Contacts</u>

P1 = 11:33:36 UT
U1 = 12:45:43 UT
U2 = 14:06:16 UT
U3 = 14:57:24 UT
U4 = 16:17:58 UT
P4 = 17:29:57 UT



2009 Apr 29

到底是「食」還是「蝕」？

簡兩個字在描述太陽的光芒被月球掩蓋或月球走進地球的陰影時是相通的。

詳「食」解作「吃」，亦可解作「虧損」，因此字義上與解作「虧損」或「侵蝕」的「蝕」字相通。「天狗食日」與「蟾蜍食月」中「吃」的意義十分明顯。日食 (solar eclipse) 時太陽被月球所「侵蝕」與及月食 (lunar eclipse) 時月球被地影所「蠶食」的意思亦顯而易見。香港的教科書一般採用「蝕」字，國內的書籍則採用「食」字，在台灣的書籍和中國古籍中，兩個字均有採用。