Partial Lunar Eclipse of 2064 Jul 28

Ecliptic Conjunction = 07:42:10.7 TD (= 07:40:07.5 UT)
Greatest Eclipse = 07:52:47.7 TD (= 07:50:44.5 UT)

Penumbral Magnitude = 1.1361 P. Radius = 1.2076° Gamma = -0.9473
Umbral Magnitude = 0.1038 U. Radius = 0.6825° Axis = 0.8840°

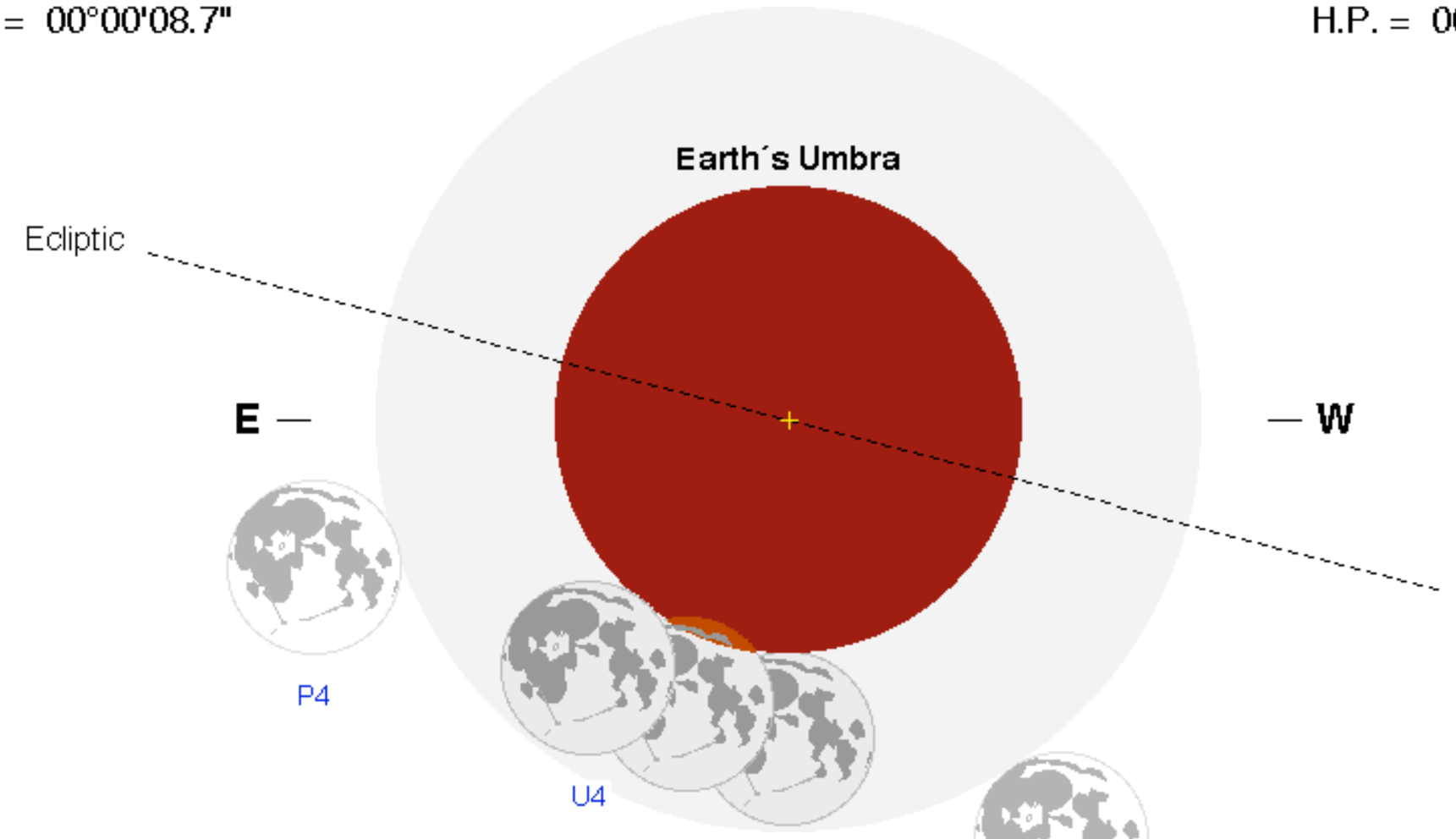
Saros Series = 120 Member = 61 of 84

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

R.A. = 08h33m43.4s
Dec. = +18°45'12.2"
S.D. = 00°15'45.1"
H.P. = 00°00'08.7"

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

R.A. = 20h35m00.2s
Dec. = -19°35'03.3"
S.D. = 00°15'15.5"
H.P. = 00°55'59.9"



<u>Eclipse Durations</u>

Penumbral = 04h44m16s
Umbral = 01h15m42s

<u>Eclipse Contacts</u>

P1 = 05:28:34 UT
U1 = 07:12:48 UT
U4 = 08:28:29 UT
P4 = 10:12:50 UT

ΔT = 123 s
Rule = CdT (Danjon)
Eph. = VSOP87/ELP2000-85

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

2009 Apr 29