

Figure 4

Total Lunar Eclipse of 2022 Nov 08

Greatest Eclipse = 11:00:22.0 TD (= 10:59:11.3 UT1)

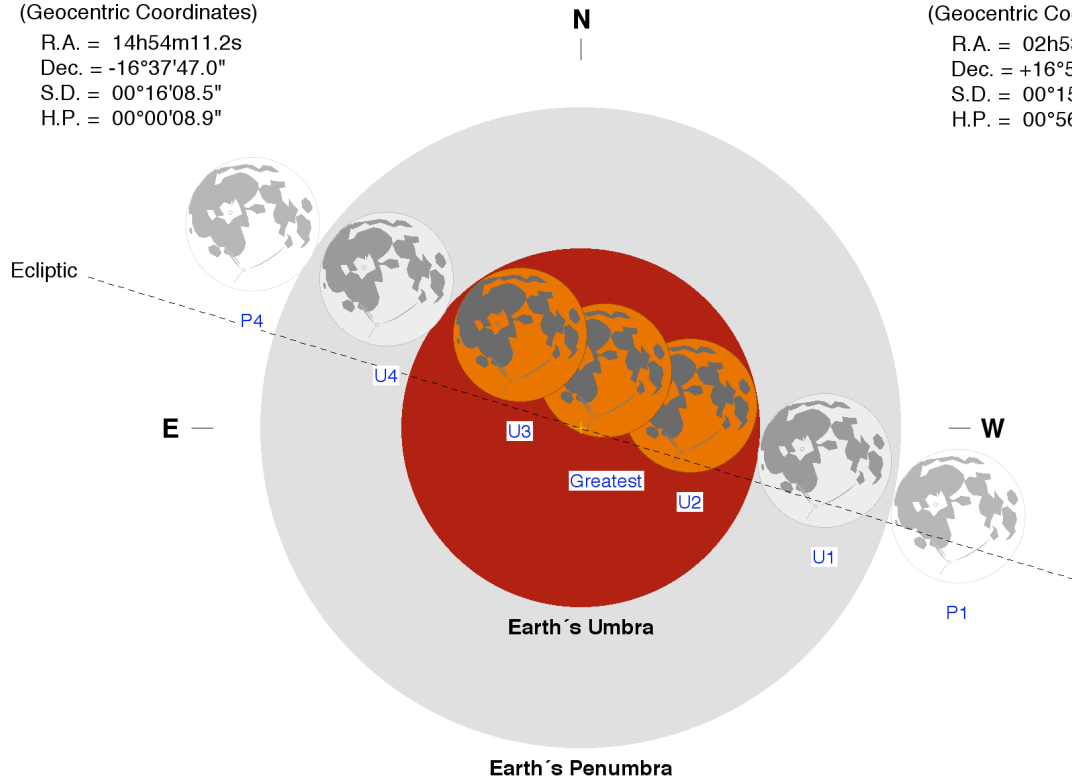
Penumbral Magnitude = 2.4161
Umbral Magnitude = 1.3607

Gamma = 0.2570
Axis = 0.2404°

Saros Series = 136
Saros Member = 20 of 72

Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 14h54m11.2s
Dec. = -16°37'47.0"
S.D. = 00°16'08.5"
H.P. = 00°00'08.9"

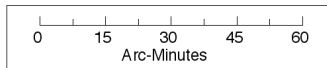
Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 02h53m48.1s
Dec. = +16°51'06.7"
S.D. = 00°15'17.7"
H.P. = 00°56'07.8"



Eclipse Durations
Penumbral = 05h54m41s
Umbral = 03h40m35s
Total = 01h25m40s

Eph. = JPL DE430
Rule = Herald-Sinnott
 $\Delta T = 71$ s

Eclipse Contacts
P1 = 08:01:52 UT1
U1 = 09:08:49 UT1
U2 = 10:16:12 UT1
U3 = 11:41:52 UT1
U4 = 12:49:24 UT1
P4 = 13:56:32 UT1



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