

Figure 2

Total Lunar Eclipse of 2022 May 16

Greatest Eclipse = 04:12:41.7 TD (= 04:11:31.2 UT1)

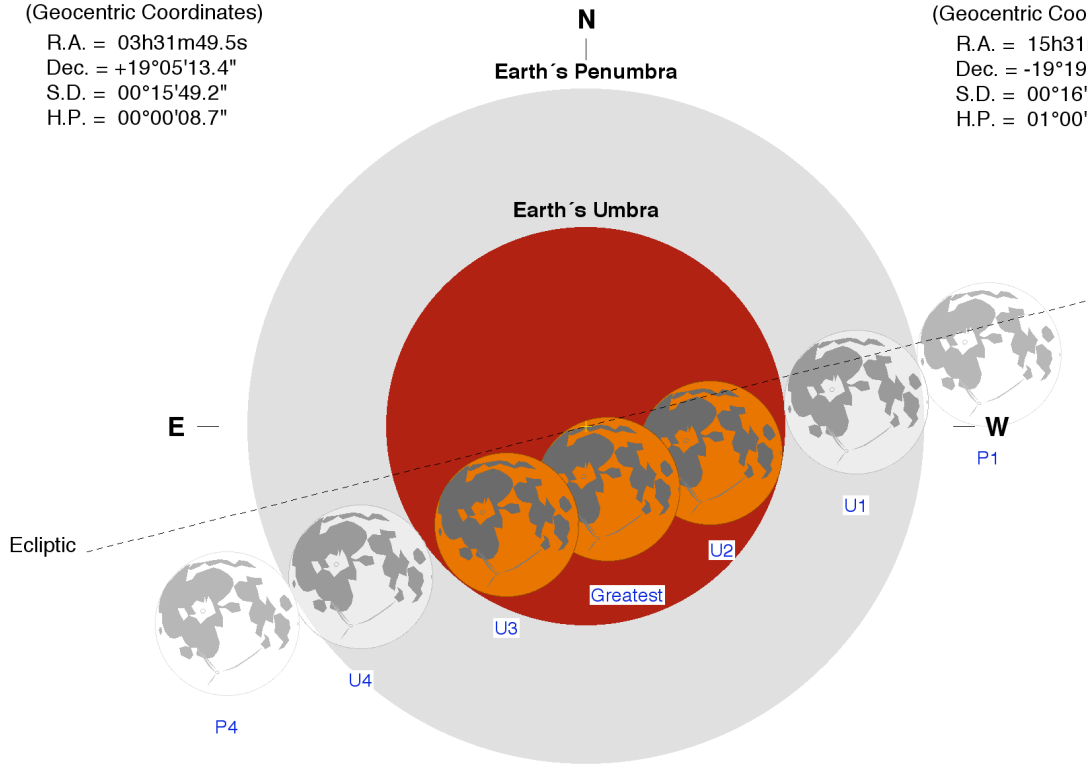
Penumbral Magnitude = 2.3743
Umbral Magnitude = 1.4154

Gamma = -0.2532
Axis = 0.2555°

Saros Series = 131
Saros Member = 34 of 72

Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 03h31m49.5s
Dec. = +19°05'13.4"
S.D. = 00°15'49.2"
H.P. = 00°00'08.7"

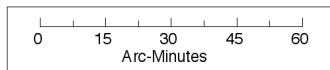
Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 15h31m27.8s
Dec. = -19°19'40.4"
S.D. = 00°16'29.9"
H.P. = 01°00'33.1"



Eclipse Durations
Penumbral = 05h19m28s
Umbral = 03h27m57s
Total = 01h25m32s

Eph. = JPL DE430
Rule = Herald-Sinnott
 $\Delta T = 70$ s

Eclipse Contacts
P1 = 01:31:44 UT1
U1 = 02:27:31 UT1
U2 = 03:28:40 UT1
U3 = 04:54:11 UT1
U4 = 05:55:27 UT1
P4 = 06:51:11 UT1



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