

Total Lunar Eclipse of 2018 Jul 27

Greatest Eclipse = 20:22:54.3 TD (= 20:21:45.4 UT1)

Penumbral Magnitude = 2.6792
Umbral Magnitude = 1.6087

Gamma = 0.1168
Axis = 0.1051°

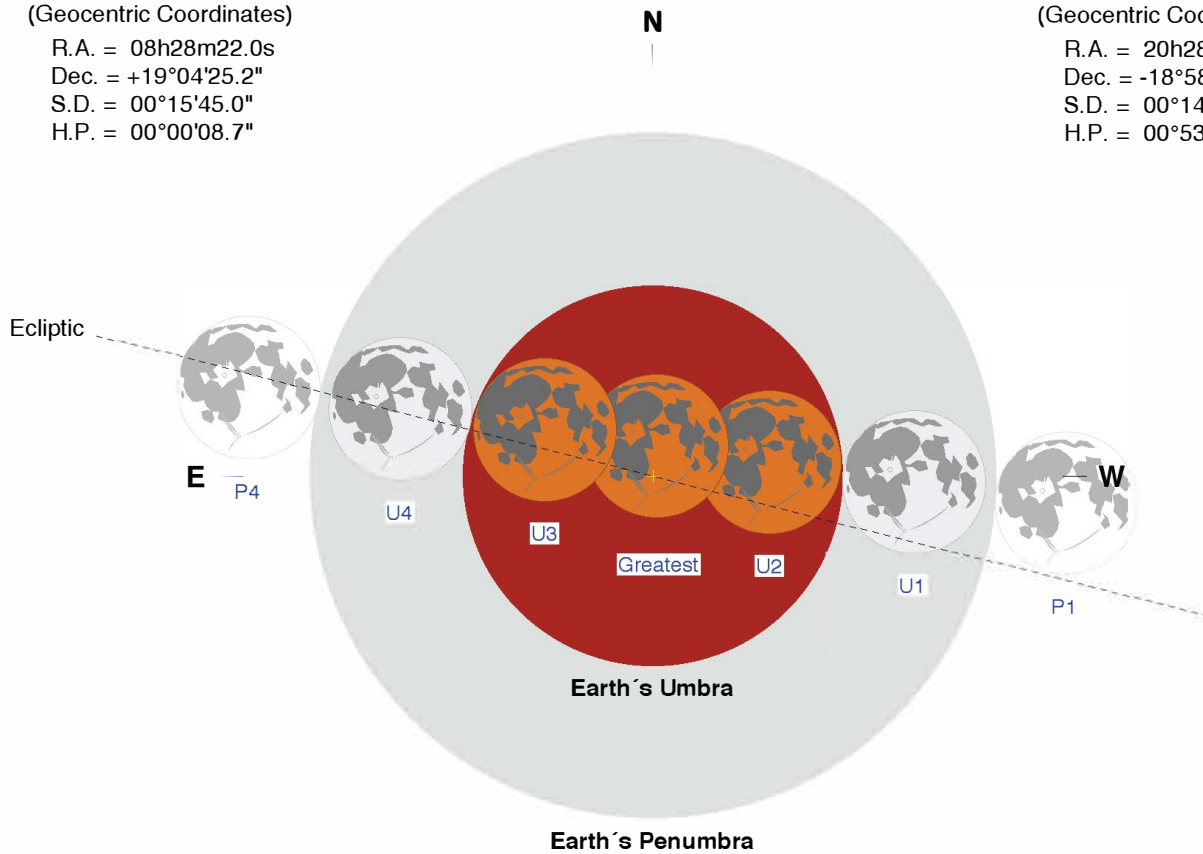
Saros Series = 129
Saros Member = 38 of 71

Sun at Greatest Eclipse (Geocentric Coordinates)

R.A. = 08h28m22.0s
Dec. = +19°04'25.2"
S.D. = 00°15'45.0"
H.P. = 00°00'08.7"

Moon at Greatest Eclipse (Geocentric Coordinates)

R.A. = 20h28m18.2s
Dec. = -18°58'10.6"
S.D. = 00°14'42.7"
H.P. = 00°53'59.7"



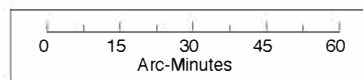
Eclipse Durations

Penumbral = 06h13m55s
Umbral = 03h54m34s
Total = 01h42m57s

Eph. = JPL DE405
Rule = Danjon
 $\Delta T = 69$ s

Eclipse Contacts

P1 = 17:14:48 UT1
U1 = 18:24:28 UT1
U2 = 19:30:17 UT1
U3 = 21:13:14 UT1
U4 = 22:19:03 UT1
P4 = 23:28:42 UT1



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