Total Lunar Eclipse of 2018 Jan 31

Greatest Eclipse = 13:31:00.1 TD   (= 13:29:51.4 UT1)

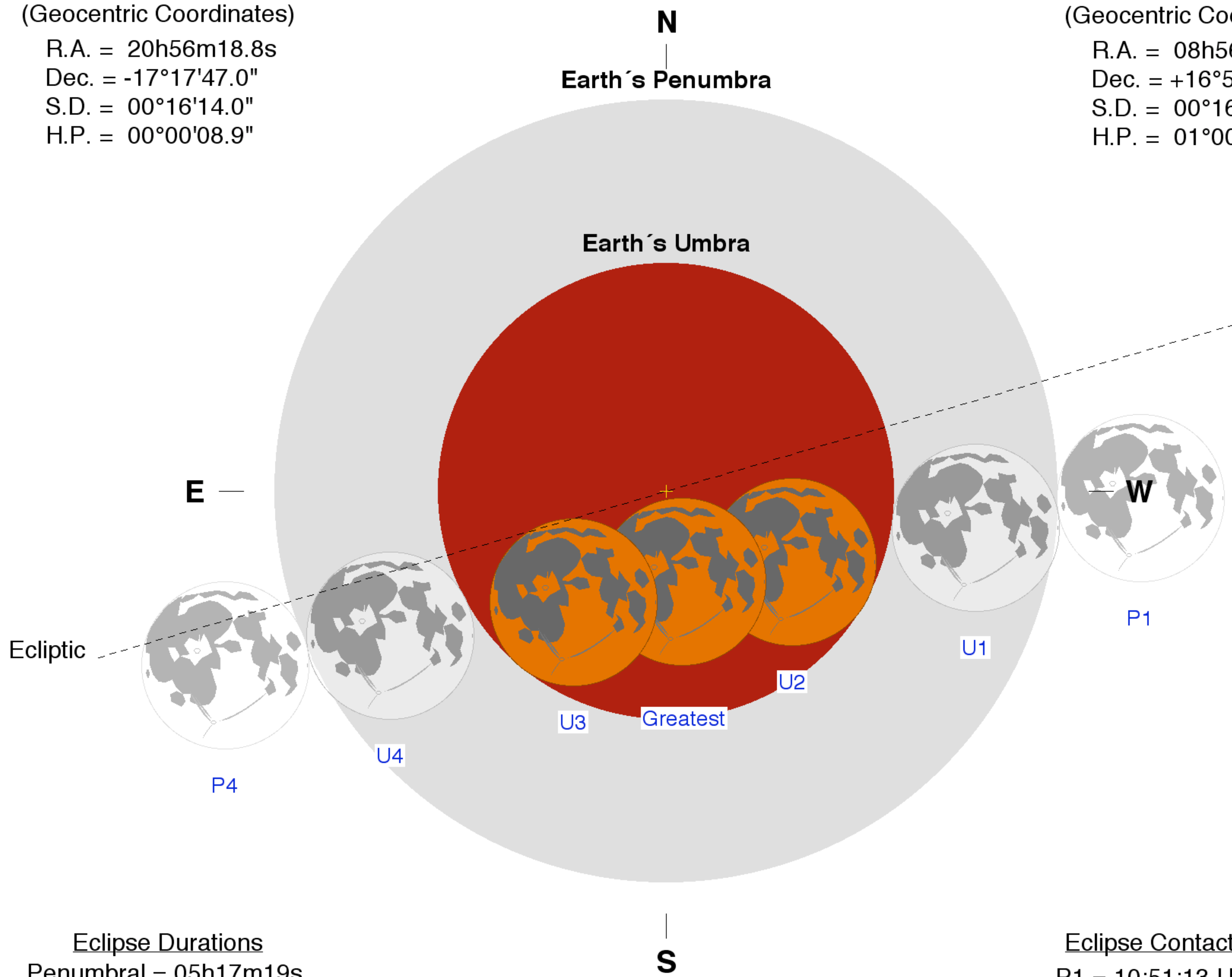|		
Penumbral Magnitude = 2.2941	Gamma = -0.3014	Saros Series = 124
Umbral Magnitude = 1.3155	Axis = 0.3058°	Saros Member = 49 of 73

Sun at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 20h56m18.8s
Dec. = -17°17'47.0"
S.D. = 00°16'14.0"
H.P. = 00°00'08.9"

N

Earth´s Penumbra

Moon at Greatest Eclipse
(Geocentric Coordinates)
R.A. = 08h56m05.0s
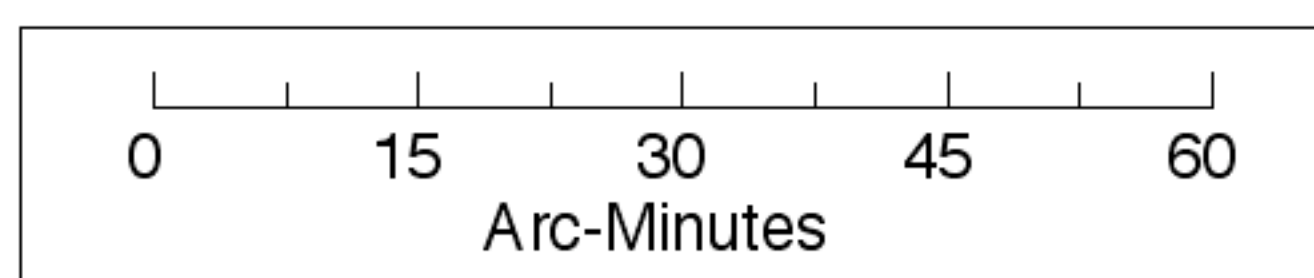Dec. = +16°59'44.2"
S.D. = 00°16'35.2"
H.P. = 01°00'52.6"

Earth´s Umbra

E

Ecliptic

W

P1

U1

U2

Greatest

U3

U4

P4

S

Eclipse Durations
Penumbral = 05h17m19s
Umbral = 03h22m46s
Total = 01h16m05s

Eph. = JPL DE405
Rule = Danjon
ΔT =   69 s

0	15	30	45	60

Arc-Minutes

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Eclipse Contacts
P1 = 10:51:13 UT1
U1 = 11:48:28 UT1
U2 = 12:51:49 UT1
U3 = 14:07:53 UT1
U4 = 15:11:14 UT1
P4 = 16:08:32 UT1

Eclipse at MoonSet   *No Eclipse Visible*   *Eclipse at MoonRise*   *All Eclipse Visible*