# Penumbral Lunar Eclipse of  2027 Feb 20

Greatest Eclipse =  23:14:05.3 TD   (= 23:12:56.1 UTC)

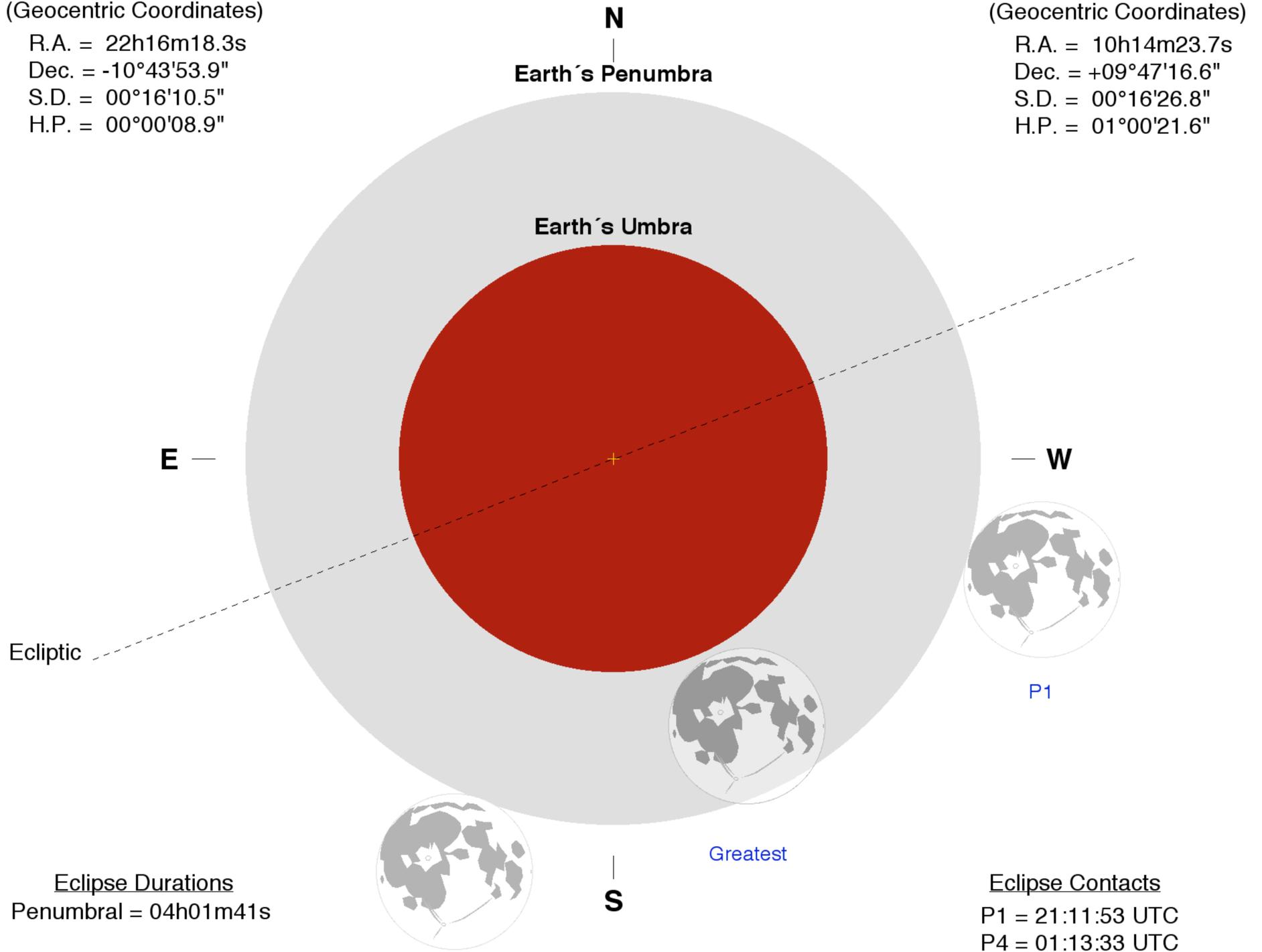| Penumbral Magnitude =  0.9286 | Gamma = -1.0480 | Saros Series = 143 |
| Umbral Magnitude = -0.0549 | Axis =  1.0542° | Saros Member = 18 of 72 |

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

R.A. =  22h16m18.3s
Dec. = -10°43'53.9"
S.D. =  00°16'10.5"
H.P. =  00°00'08.9"

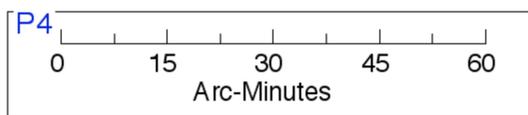<u>Moon at Greatest Eclipse</u>
(Geocentric Coordinates)

R.A. =  10h14m23.7s
Dec. = +09°47'16.6"
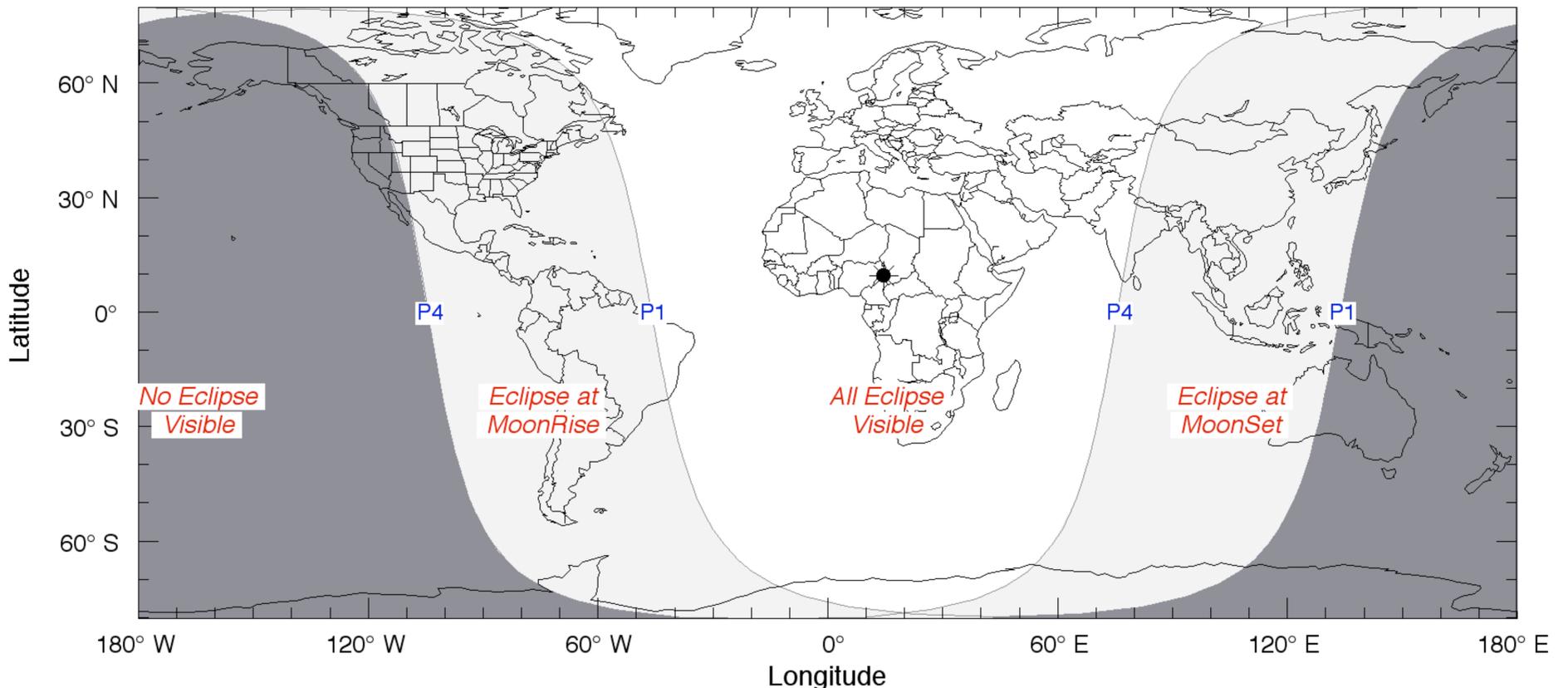S.D. =  00°16'26.8"
H.P. =  01°00'21.6"

**N**

**Earth´s Penumbra**

**Earth´s Umbra**

**E**

**W**

Ecliptic

P1

Greatest

**S**

<u>Eclipse Durations</u>
Penumbral = 04h01m41s

P4

0    15    30    45    60
Arc-Minutes

<u>Eclipse Contacts</u>
P1 = 21:11:53 UTC
P4 = 01:13:33 UTC

Eph. = JPL DE430
Rule = Herald-Sinnott
ΔT =    69 s

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P4    P1    P4    P1

*No Eclipse
Visible*

*Eclipse at
MoonRise*

*All Eclipse
Visible*

*Eclipse at
MoonSet*

Latitude

Longitude