

Eclipses During 2020

Figure 1

Penumbral Lunar Eclipse of 2020 Jan 10

Greatest Eclipse = 19:11:10.9 TD (= 19:10:01.4 UT1)

Penumbral Magnitude = 0.8956
 Umbral Magnitude = -0.1160

Gamma = 1.0727
 Axis = 1.0549°

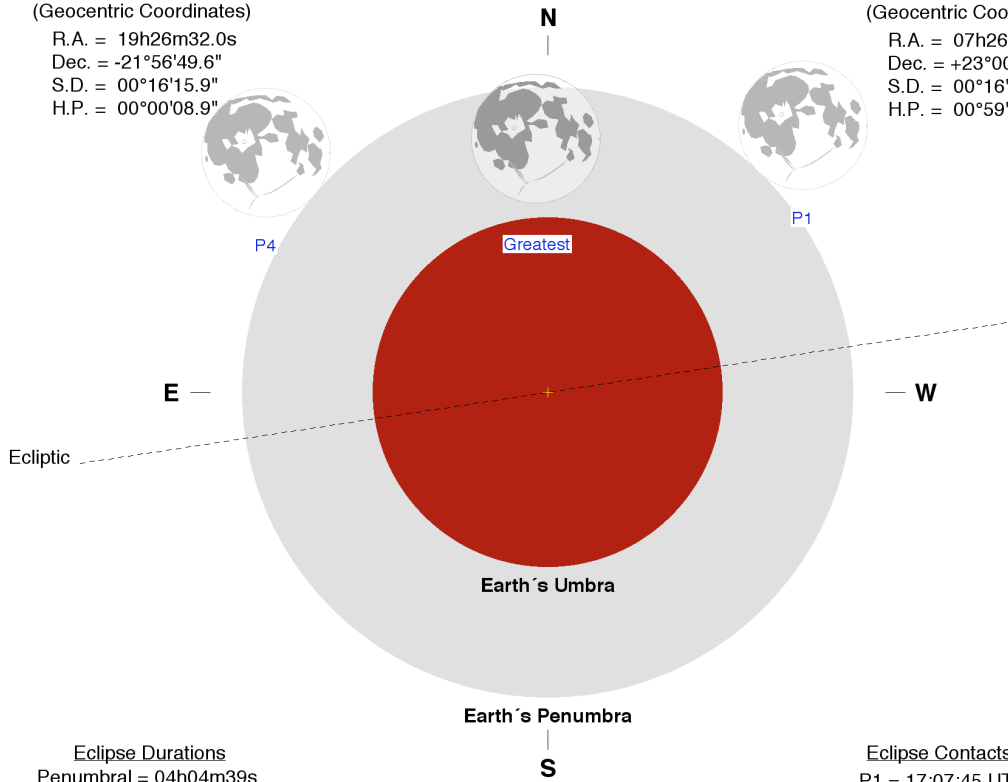
Saros Series = 144
 Saros Member = 16 of 71

Sun at Greatest Eclipse
 (Geocentric Coordinates)

R.A. = 19h26m32.0s
 Dec. = -21°56'49.6"
 S.D. = 00°16'15.9"
 H.P. = 00°00'08.9"

Moon at Greatest Eclipse
 (Geocentric Coordinates)

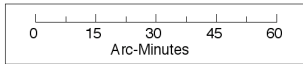
R.A. = 07h26m45.8s
 Dec. = +23°00'02.8"
 S.D. = 00°16'04.8"
 H.P. = 00°59'00.8"



Eclipse Durations
 Penumbral = 04h04m39s

Eclipse Contacts
 P1 = 17:07:45 UT1
 P4 = 21:12:24 UT1

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



©2018 F. Espenak, www.EclipseWise.com

