Penumbral Lunar Eclipse of 2023 May 05

Ecliptic Conjunction = 17:35:12.7 TD (= 17:33:59.2 UT)

Greatest Eclipse = 17:24:05.1 TD (= 17:22:51.7 UT) Penumbral Magnitude = 0.9636 P. Radius = 1.2375° Gamma = -1.0349Umbral Magnitude = -0.0457 U. Radius = 0.7089° $Axis = 0.9947^{\circ}$ Saros Series = 141 Member = 24 of 73Sun at Greatest Eclipse Moon at Greatest Eclipse (Geocentric Coordinates) (Geocentric Coordinates) Ν R.A. = 02h49m59.7sR.A. = 14h48m23.5s $Dec. = +16^{\circ}19'27.9"$ Dec. = -17°14'31.9" Earth's Penumbra S.D. = 00°15'51.6" $S.D. = 00^{\circ}15'42.8''$ $H.P. = 00^{\circ}00'08.7"$ $H.P. = 00^{\circ}57'40.1"$ Earth's Umbra E — – W Ediptic _--Greatest **Eclipse Durations Eclipse Contacts** P1 = 15:14:10 UT Penumbral = 04h17m31sP4 = 19:31:41 UT 15 30 45 Arc-Minutes $\Delta T =$ 73 sRule = CdT (Danjon) F. Espenak, NASA's GSFC Eph. = VSOP87/ELP2000-85 eclipse.gsfc.nasa.gov/eclipse.html 60° N 30° N Latitude 0° Eclipse at No Edipse Edipse at MoonRise 30° S MoonSet Visible Visible 60° S 60° W 0° 60° E 180° W 120° W 120° E 180° E

Longitude