Partial Solar Eclipse of 2025 Sep 21

Greatest Eclipse = 19:43:04.2 TT (= 19:41:55.0 UTC)

Eclipse Magnitude = 0.8550 Saros Series = 154 Saros Member = 7 of 71 Gamma = -1.0651Sun at Greatest Eclipse Moon at Greatest Eclipse (Geocentric Coordinates) (Geocentric Coordinates) R.A. = 11h56m36.9sR.A. = 11h54m42.8sDec. = $+00^{\circ}22'00.7"$ Dec. = $-00^{\circ}29'14.7''$ S.D. = 00°15'55.9" S.D. = 00°15'02.8" H.P. = 00°00'08.8" H.P. = 00°55'13.2" Sub Solar 18:30 UT1 19:00 UT1 19:30 UT1 P1 20:00 UT1 W Ε 20:30 UT1 0.40 21:00 UT1 0.60 0.80 **Greatest Eclipse** External/Internal Contacts of Penumbra P1 = 17:29:42.1 UTC P4 = 21:53:45.9 UTC TT-UTC = 69.18 sEph. = JPL DE405 Ś Circumstances at Greatest Eclipse: 19:41:55.0 UTC Sun Alt. = 0.0° Lat. = $60^{\circ}54.1'S$ Long. = $153^{\circ}29.9'E$ Sun Azm. = 89.2° ©2022 F. Espenak www.EclipseWise.com 0 1000 2000 3000 4000 5000 Kilometers