An Error Analysis of Oscillations in Solar Polar Coronal Hole Areas

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\textbf{SHINE session: What IS a Coronal Hole?}

- An annual periodicity propagates through the polar coronal hole areas over the past solar cycle.

- The oscillation must be an orbital effect that has not been fully removed from the geometry or projected image.

- We conduct an analysis of the spherical geometry to better understand the influence of angular variations on area calculations within our working coordinate system.