

**A Statistical Study of Sodium Intensity and Dynamics in The Exosphere of Mercury**

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It is well known that solar wind particles and photons, meteoritic impacts and interplanetary magnetic field have an influence on the morphology, content and time evolution of the Hermean exosphere.

By using a wide set of data taken during three years of Mercury sodium observation at the THEMIS solar telescope in the Canary Islands, we intend to analyze the variability of the Hermean exosphere sodium emission.

By referring to existing models recently proposed, we will try to interpret the observations with respect to the model expectations.