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An International Collaboration for Ground-Based Observations of Jupiter System related to the ESA/EJSM program

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Abstract

The survey of Jupiter system variability is of primary importance for the EJSM Cosmic Vision ESA mission, aimed to reach Jupiter in 2026. The high variability of Jupiter's atmosphere and magnetosphere has been reported with time scales from minutes to decades. Titan volcanic activity is another well documented case. A ground-based support from both amateur and professional community will help to enrich the mission with new featured objectives, and ensure the follow-up of previous event, like the white oval merging or color fluctuations, or the Shoemaker Levy 9 post-collision long term effects [2].

Here I will present the frame for reactivating a survey from the experience of the International Jupiter Watch [3], mostly active during the Galileo Jupiter mission, or the Venus Amateur Observing Project for supporting ESA/Venus Express mission [4].

References

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