

Supporting Information for
“Morphology of the UV aurorae Jupiter during Juno’s first perijove observations”

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Additional Supporting Information (Files uploaded separately)

1. Captions for Movies S1

Movie S1.

Movie of the polar polar projections of the Juno-UVS observations acquired on 28 August 2016 between 09:52 and 11:02 spacecraft time. Each frame correspond to one spacecraft spin. The red and green lines represent the Juno magnetic footprint according to the VIPAL [Hess *et al.*, 2011] and VIP4 [Connerney *et al.*, 1998] models, respectively. The line is slightly thicker when observations took place and the white star highlight the footprint of Juno for the stripe used to build each particular map. The outer dashed contour is the statistical fit of the Io footprint location while the two inner ones are the statistical location of the main emission observed by HST in 2007 for the compressed and expanded cases respectively [Bonfond *et al.*, 2012]. The expected Io, Europa and Ganymede footprint location at the beginning and at the end of the exposure are shown with dia-

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monds. The + symbol represent the longitude of Juno at the time of the observation. The yellow line shows the Sun direction.).

References

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