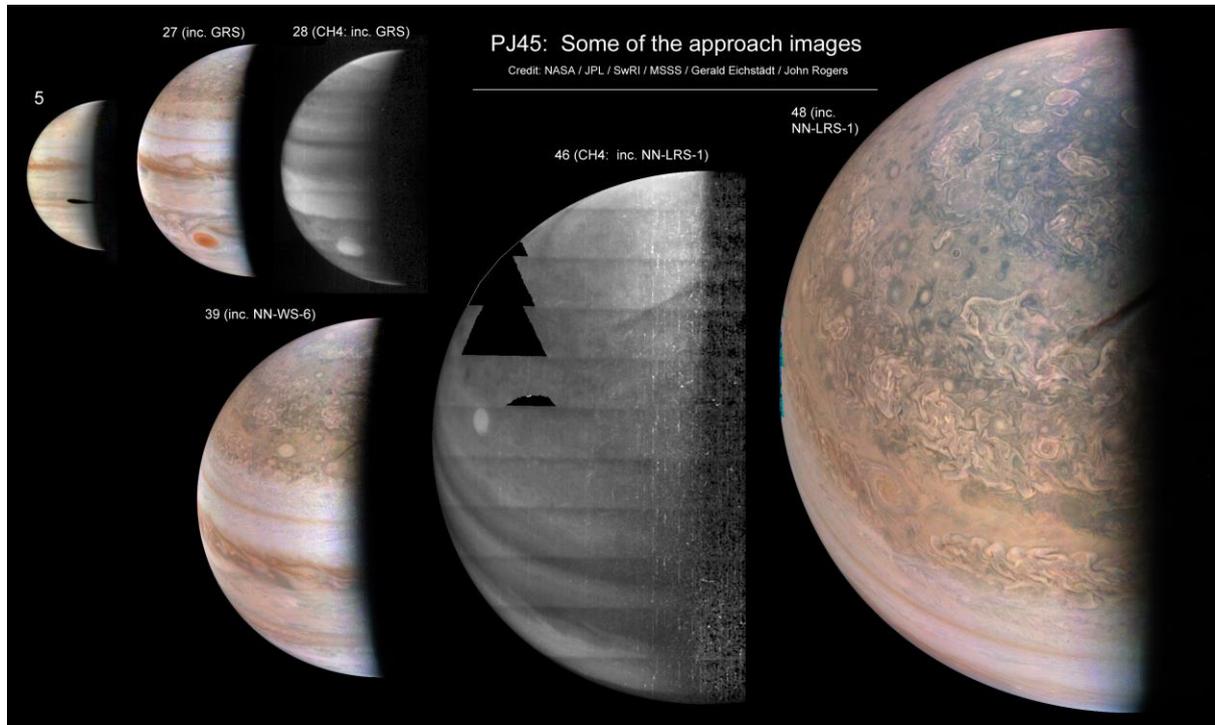


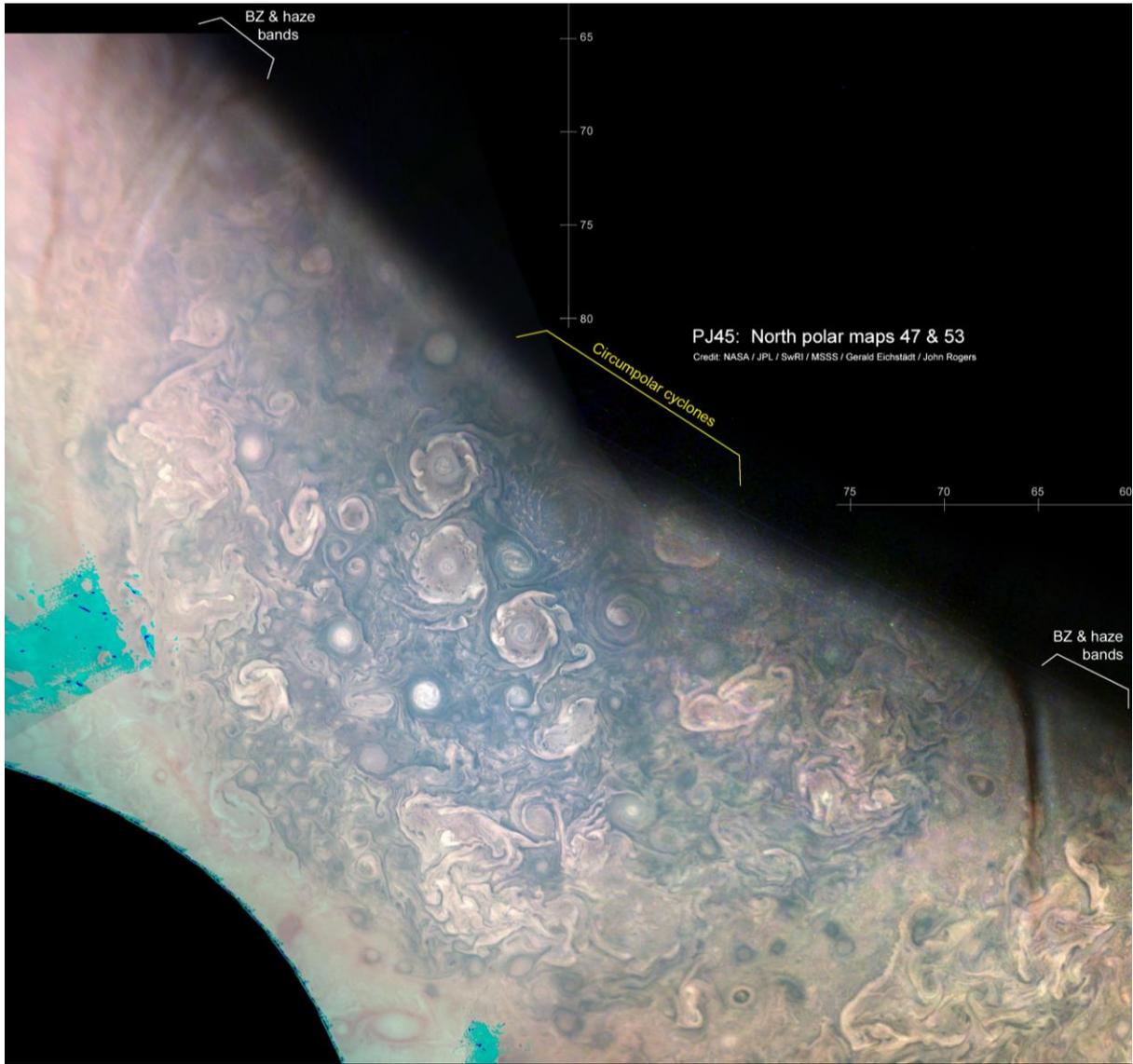
## JunoCam at PJ45: What the images show Part II: Jupiter

John Rogers (BAA) (2022 Oct.22)

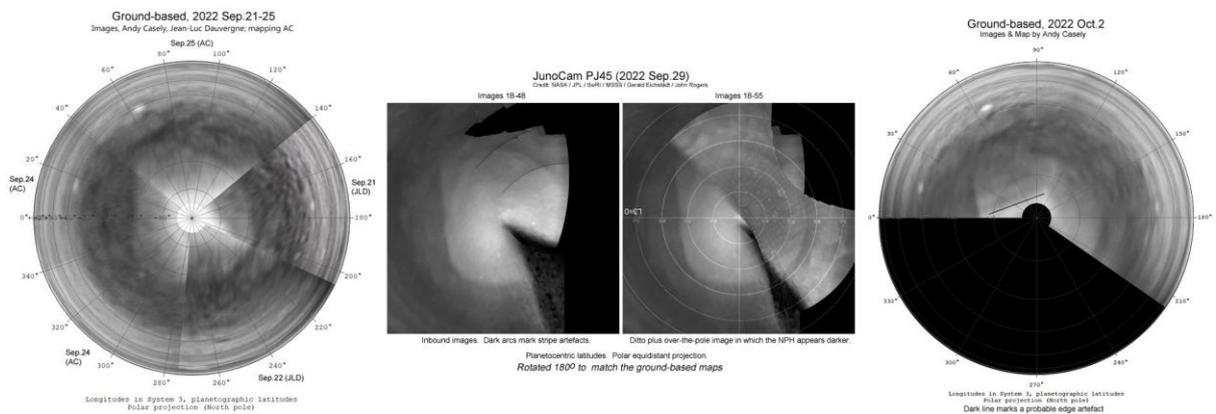
### Figures



**Figure 1.** Examples of the inbound images, both RGB and CH4. (The raw methane images had a ‘snowstorm’ of bright pixels and streaks, due to radiation hits and hot pixels; here they have been ‘cleaned up’ by noise removal in Photoshop, and brightness gradients adjusted.)



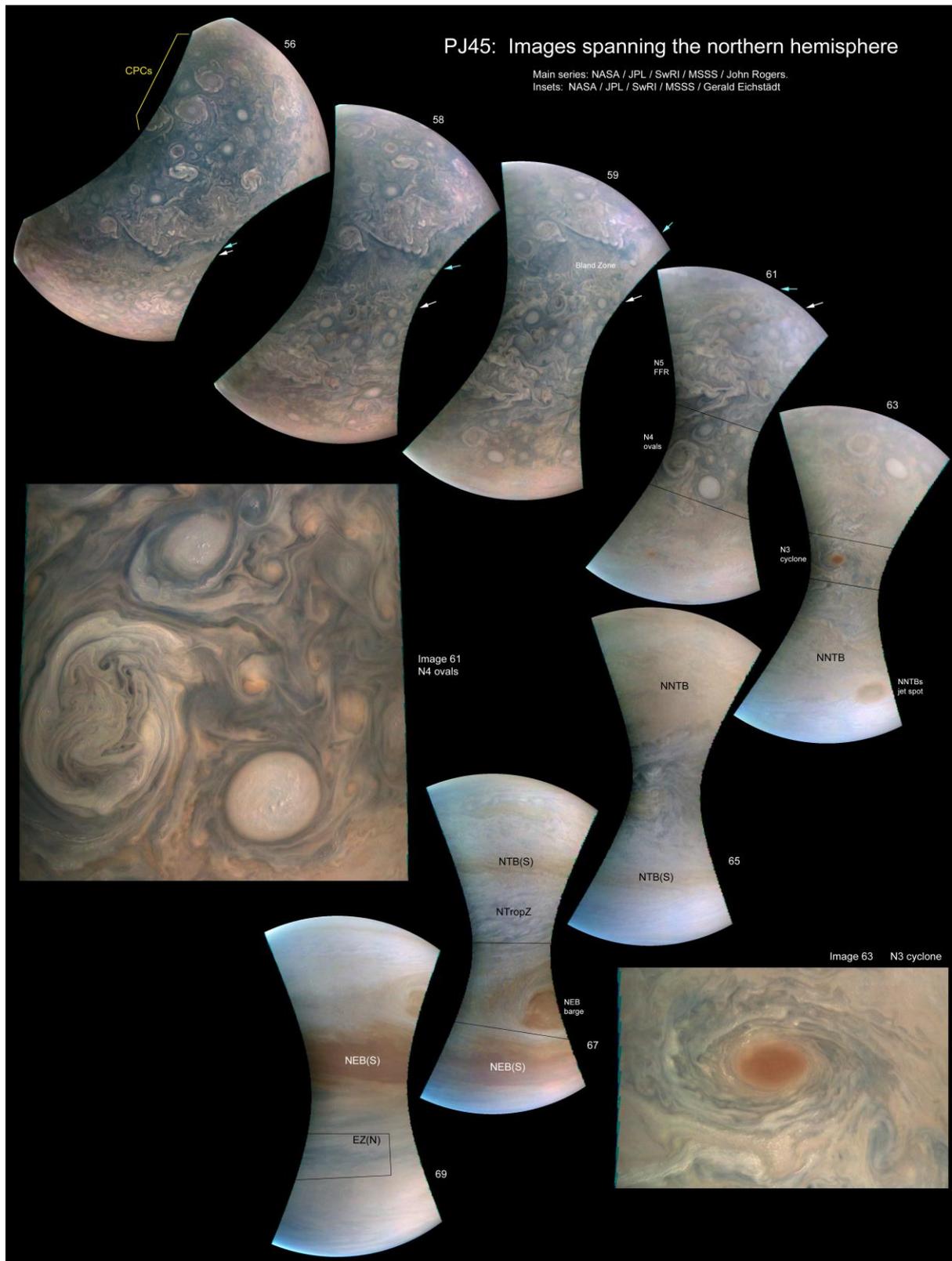
**Figure 2.** North polar projection map, down to 60°N at the edges.



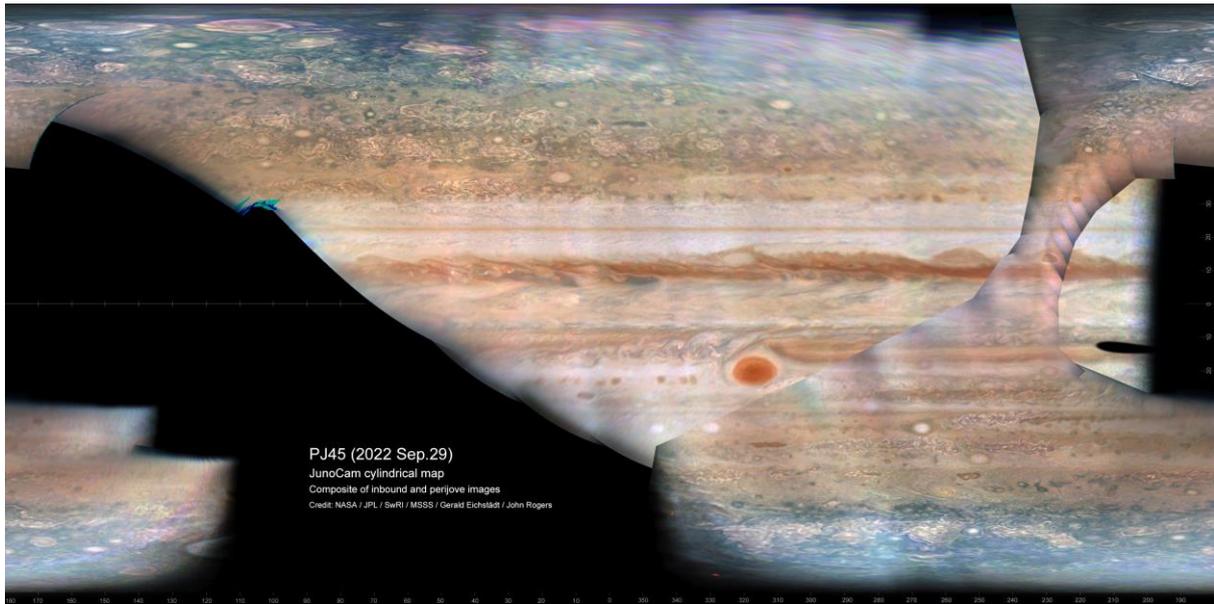
**Figure 3.** North polar projection maps in the methane band, from JunoCam and from ground-based images several days before and after PJ45. (The maps are rotated 180° relative to Figure 2.)

**Figure 4.** Images after north pole crossing, showing the linear haze bands over the Bland Zone. See main text for description. (North is approximately up.)

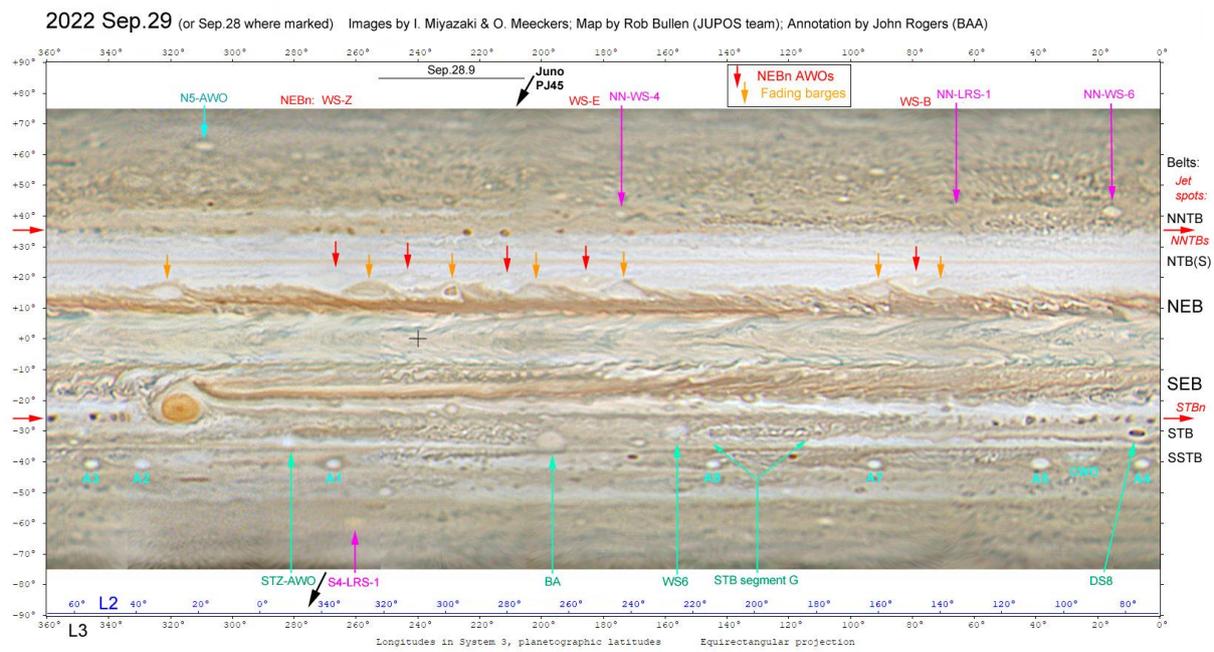




**Figure 5.** Images from the NPR to the EZ, roughly aligned in latitude (from the initial post on the JunoCam web site). The first 3 images include the Bland Zone with the linear haze bands labelled as in Figure 4. In the subsequent images, lines delineate areas shown separately in excerpts from Gerald’s full-resolution versions, in the N4 and N3 domains (insets in this figure) and in NEBn and EZ(N) (Figures 8 & 9A). (North is up in all these images.)



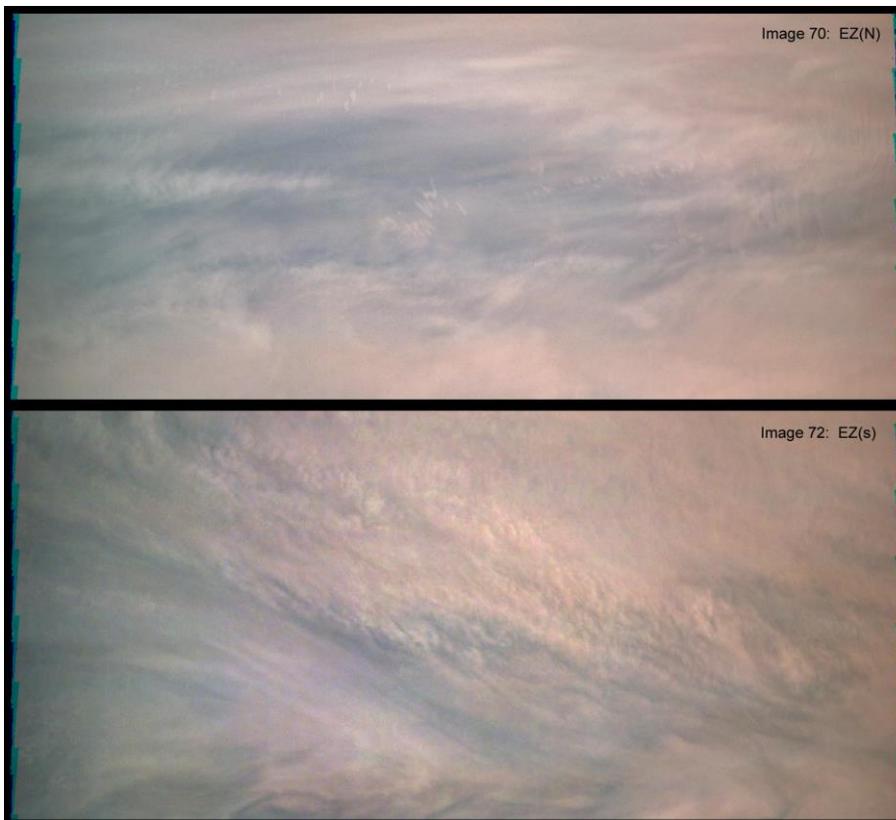
**Figure 6.** Global cylindrical map at PJ45.



**Figure 7.** Global ground-based map on the day of PJ45, with the main features labelled.

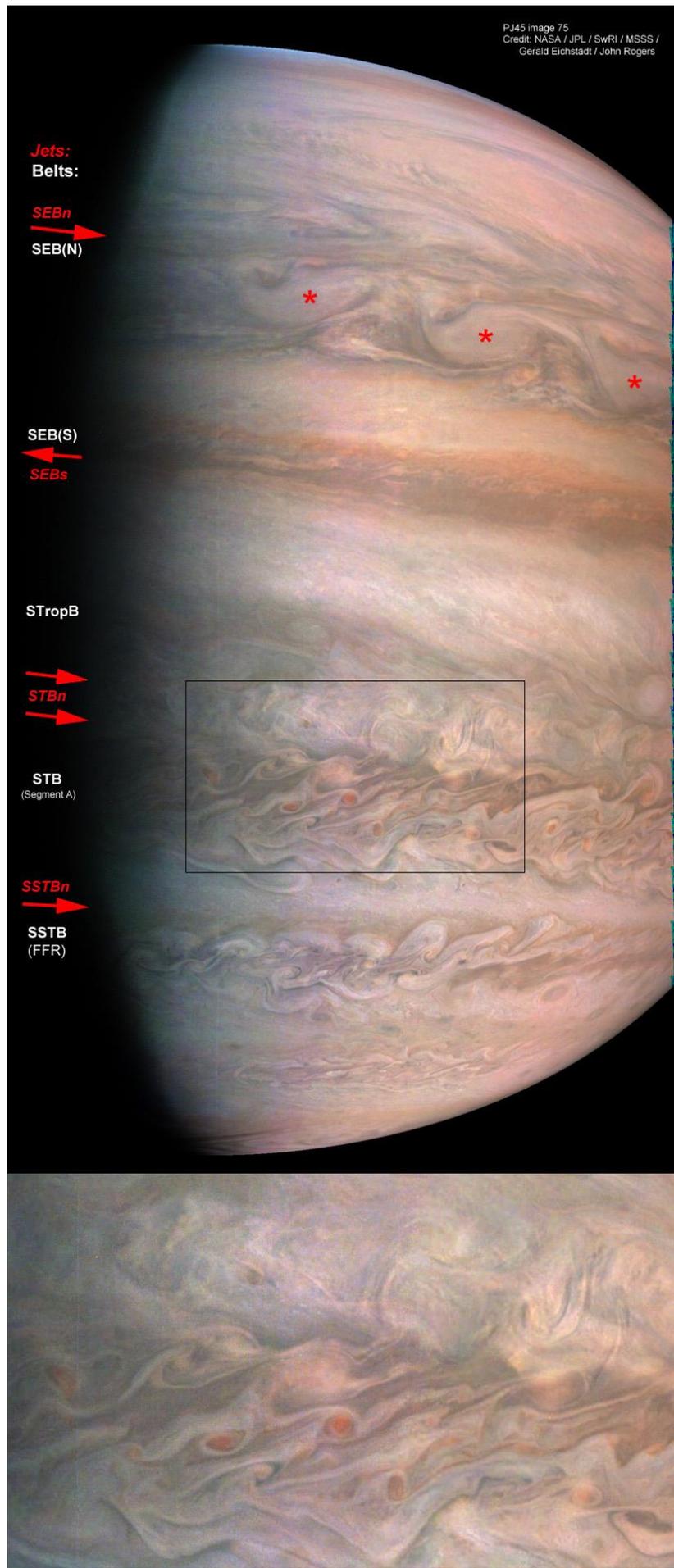


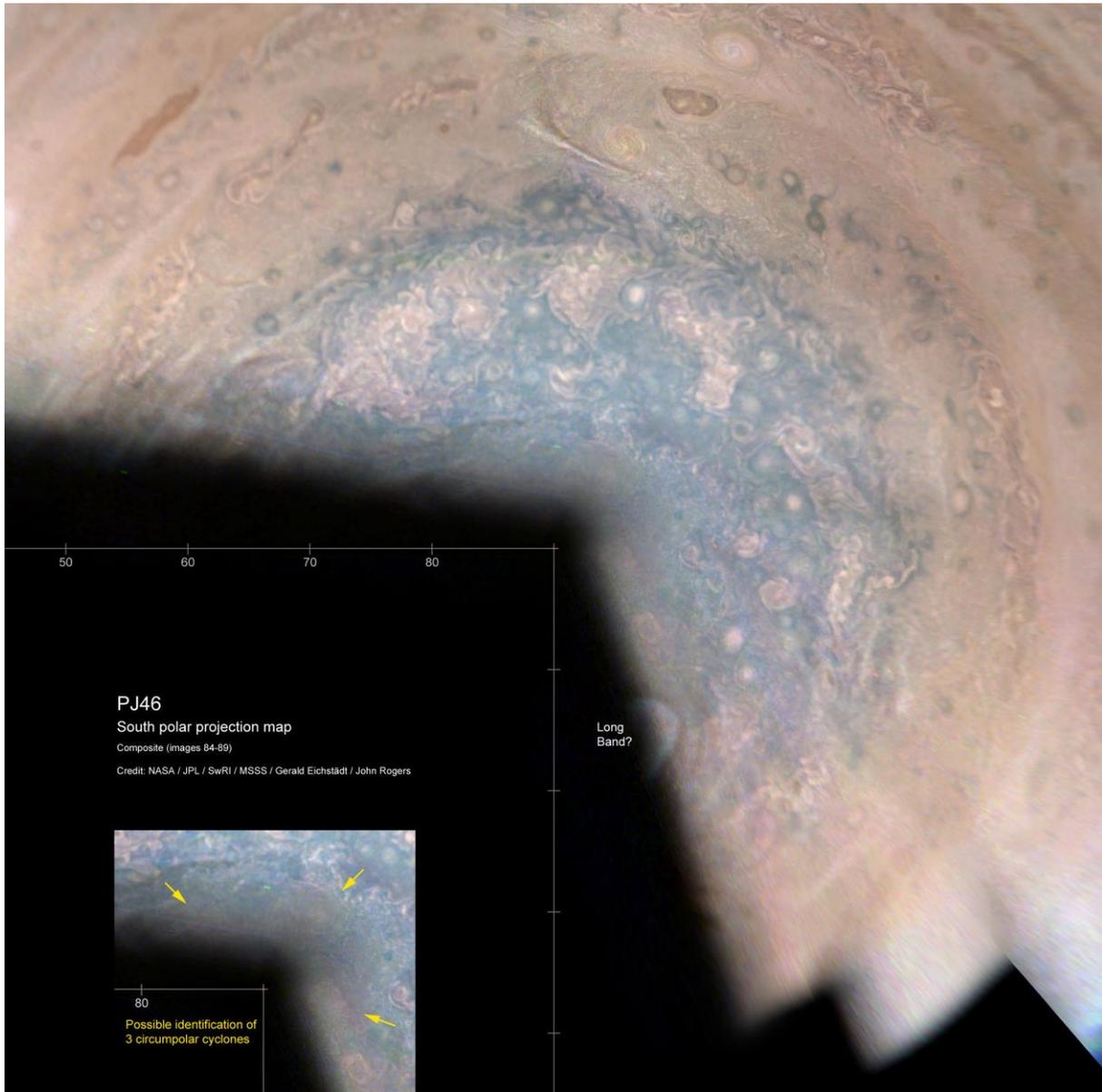
**Figure 8.** Close-up view (image 67) showing part of the only NEB barge that has not faded, and subtle, semi-regular mesoscale waves in the white NTropZ nearby. (See [Figure 5](#) for context.) Processed by Gerald Eichstädt.



**Figure 9.** Close-ups of the EZ. (A) Image 70 (without lossy compression): EZ(N). (B) Image 72: EZ(S). Processed by Gerald Eichstädt.

**Figure 10.** Image covering the SEB and STB (image 75). Red asterisks indicate 'AWOs' (see text). The boxed area is shown at full resolution at the bottom.





**Figure 11.** Composite south polar projection map, down to 60°S at the edges.

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