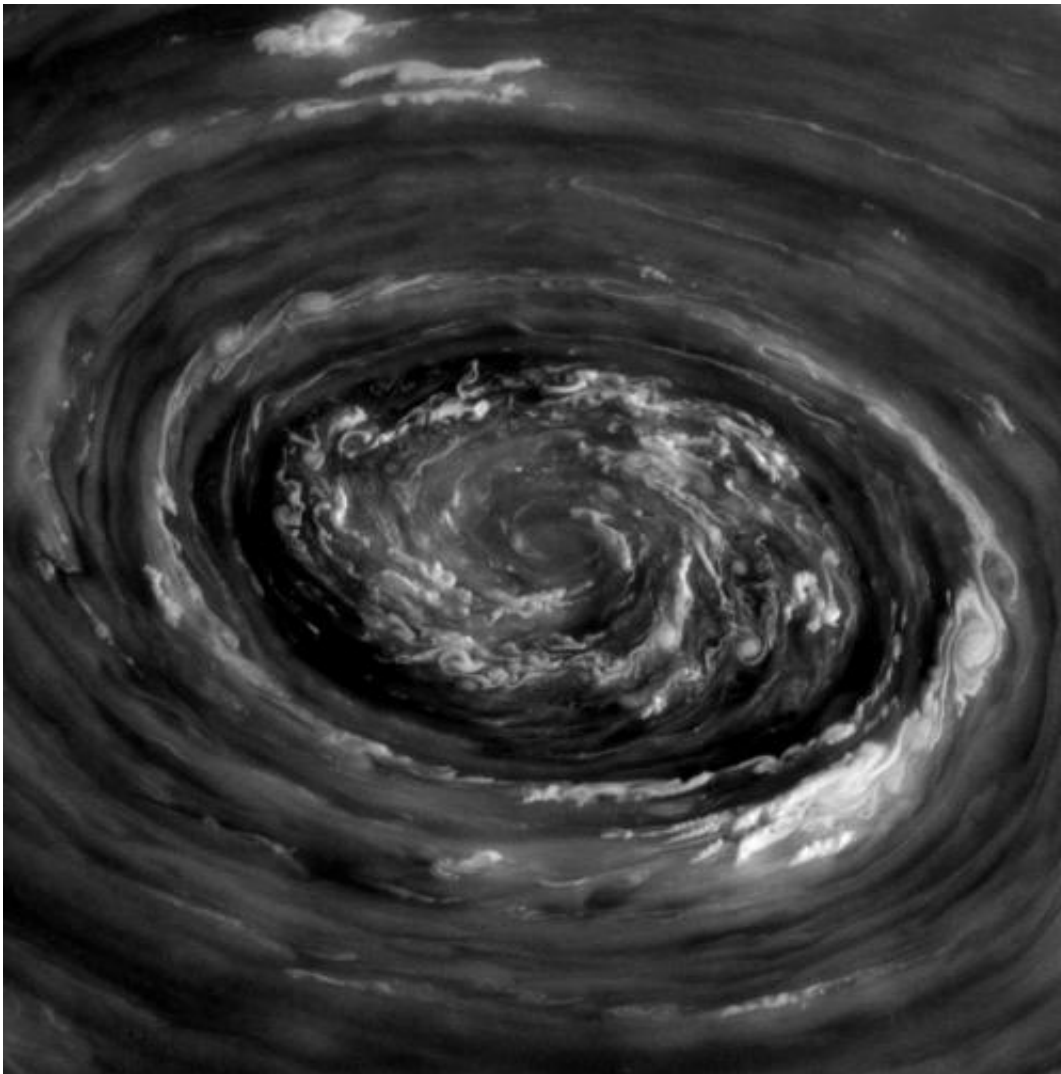


Incredible raw image of Saturn's swirling north pole

November 28 2012, by Jason Major



Credit: NASA/JPL/Space Science Institute

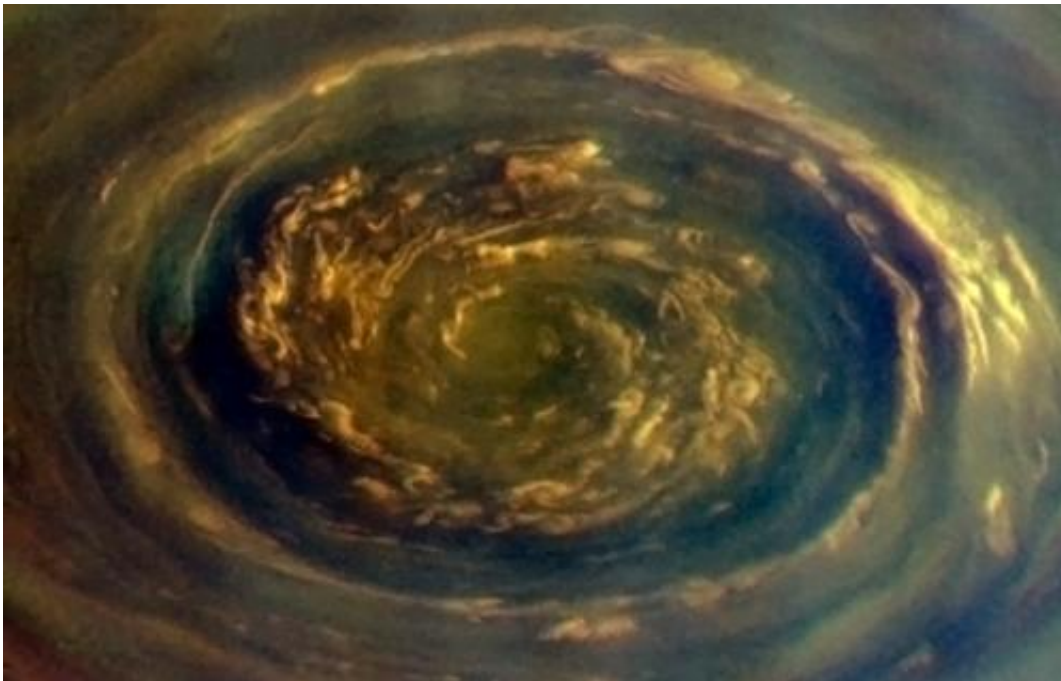
Ok, are you ready for this? I know... WOW.

This swirling maelstrom of clouds is what was seen over Saturn's [north pole](#) earlier today, November 27, by [NASA's Cassini spacecraft](#). This is a raw image, acquired in polarized light, from a distance of 238,045 miles (383,097 kilometers)... all I did was remove some of the hot pixels that are commonly found on Cassini images taken with longer exposures.

Again... WOW.

My attempt at a color composite can be seen below, plus another treat:

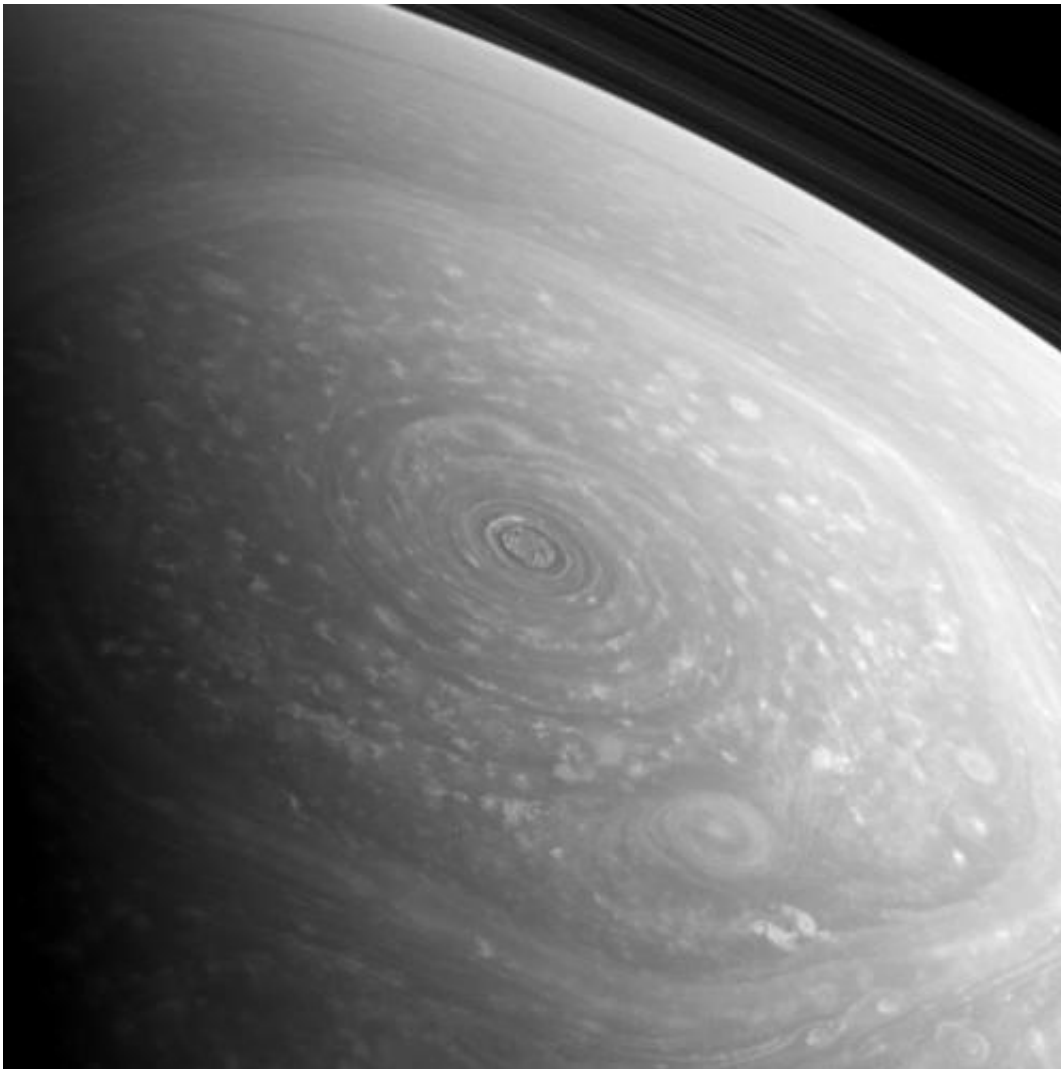
It's rough, and a little muddy because the clouds were moving between image channels (not to mention the blue channel image was rather underexposed) but here's a color-composite of the same feature, made from images taken from a slightly [different perspective](#):



Color composite of Saturn's north polar vortex. Credit: Jason Major

Pretty darn cool... Cassini does it yet again!

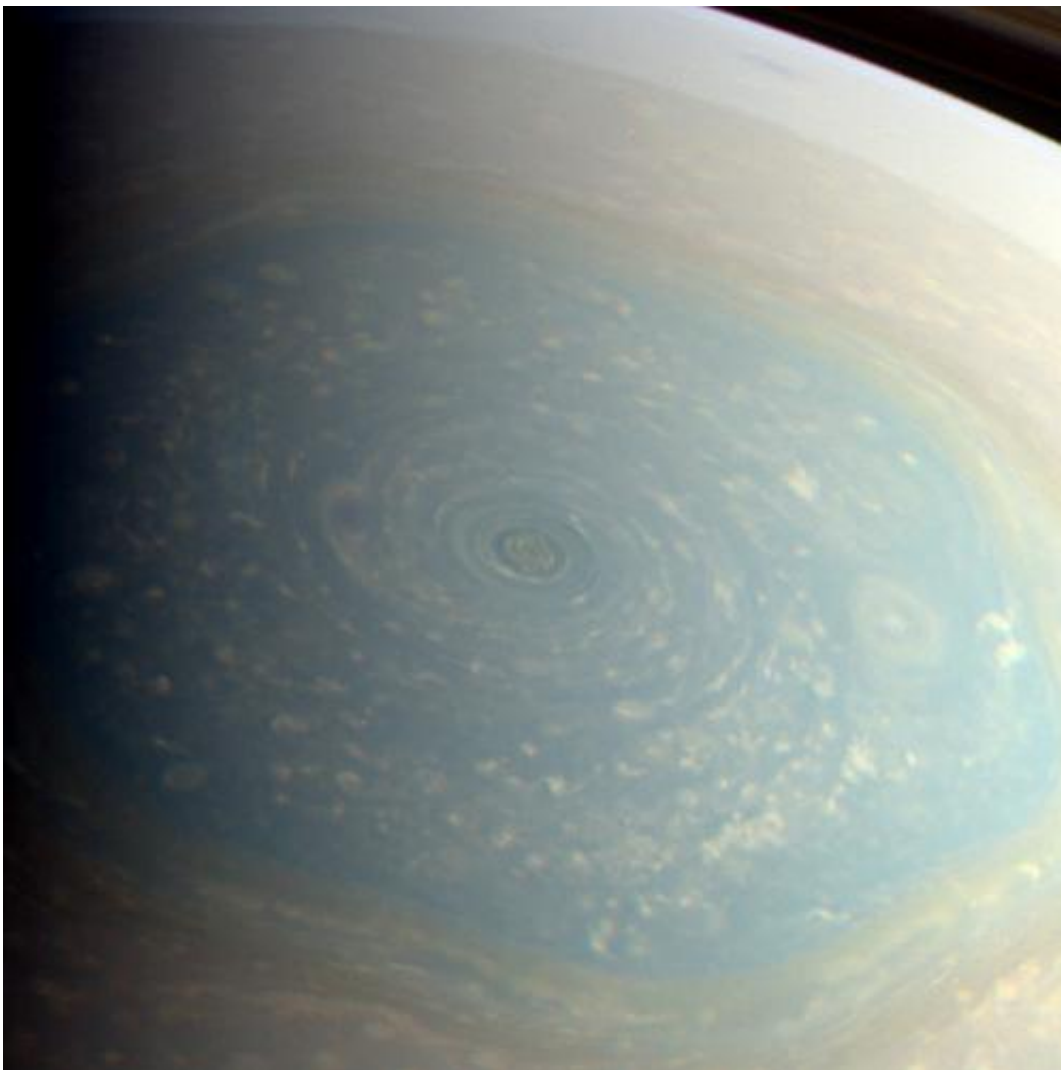
The images above show a central vortex at Saturn's north pole. Saturn is also known to have a long-lived hexagonal jet stream feature around its north pole as well, but that is not shown in those images as it runs along a lower latitude. Instead, you can see that [HERE](#):



Saturn's northern hexagon. Credit: NASA/JPL/Space Science Institute

Captured with wider angle in this image the [hexagon](#) structure can be made out as well as the vortex, which sits at the center just over the pole. Saturn's hexagon is about 25,000 km (15,500 miles) in diameter... large enough to fit almost four Earths inside. This image was also acquired today.

An RGB composite of this feature is below:



Saturn's northern hexagon – color composite. Credit: Jason Major

I'll let this all sink in a bit until more information is available.

Source: [Universe Today](#)

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