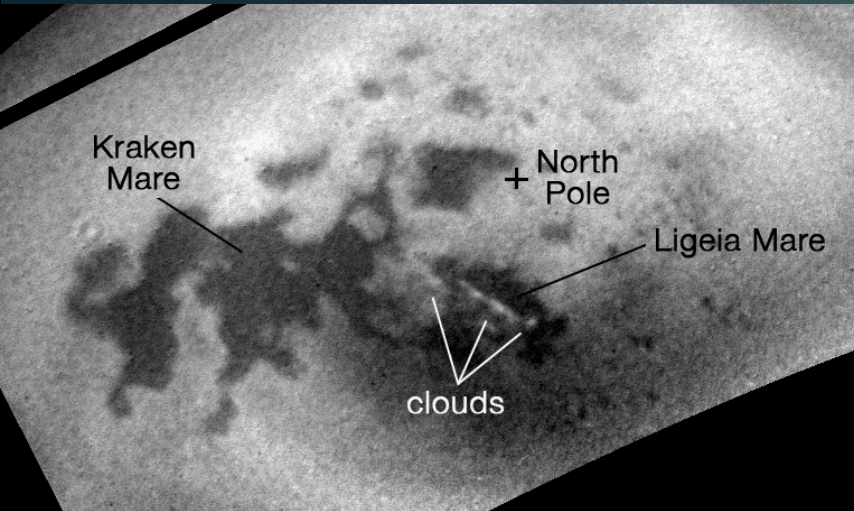
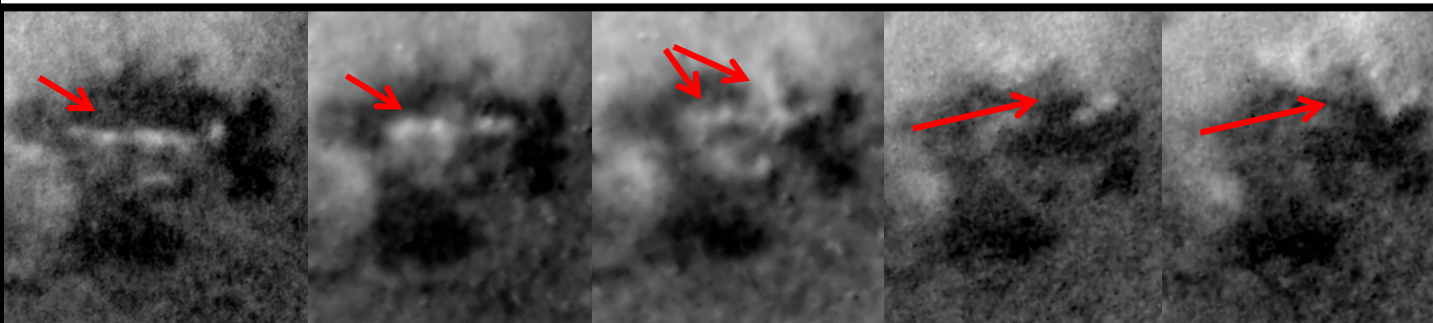


Summertime Clouds in Titan's North



During a recent close pass to Titan's north polar region, Cassini's cameras measured increased methane cloud activity above the large methane sea, Ligeia Mare.

- After a large storm in 2010, scientists observed a decrease in clouds. It was expected that clouds would return quickly based on computer models, but the weather had remained relatively quiet.
- During the two-day observation period last month, the movement of these clouds suggests that winds are blowing between 7-10 mph (3-4.5 m/s).
- These new clouds suggest a seasonal change in the weather, continued observations will show if this is the case. If they are related to seasonal cycling of the liquid hydrocarbons on Titan's surface, their presence over the methane sea may indicate movement of these compounds between the northern and southern hemispheres.



Series of images of clouds (red arrows) over Ligeia Mare captured by Cassini between July 20 and July 22 2014.