Assignment 5 - Plotting temperature from GOES15
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Find a large storm over the U.S (preferably after 2018), Download a GOES16 or 17 file and plot T11, T6.7 and their difference. Locate the overshoot convective systems by plotting the images. Use a proper colorbar to clearly show the location of the overshoot.

For this assignment I once again chose Hurricane Michael and downloaded data from GOES16 for October 10, 2018 at 12:00 PM (Figure 1). It appears the T11 channel tends to show warmer temperatures than T6.7 by up to 60 Kelvin in some areas.
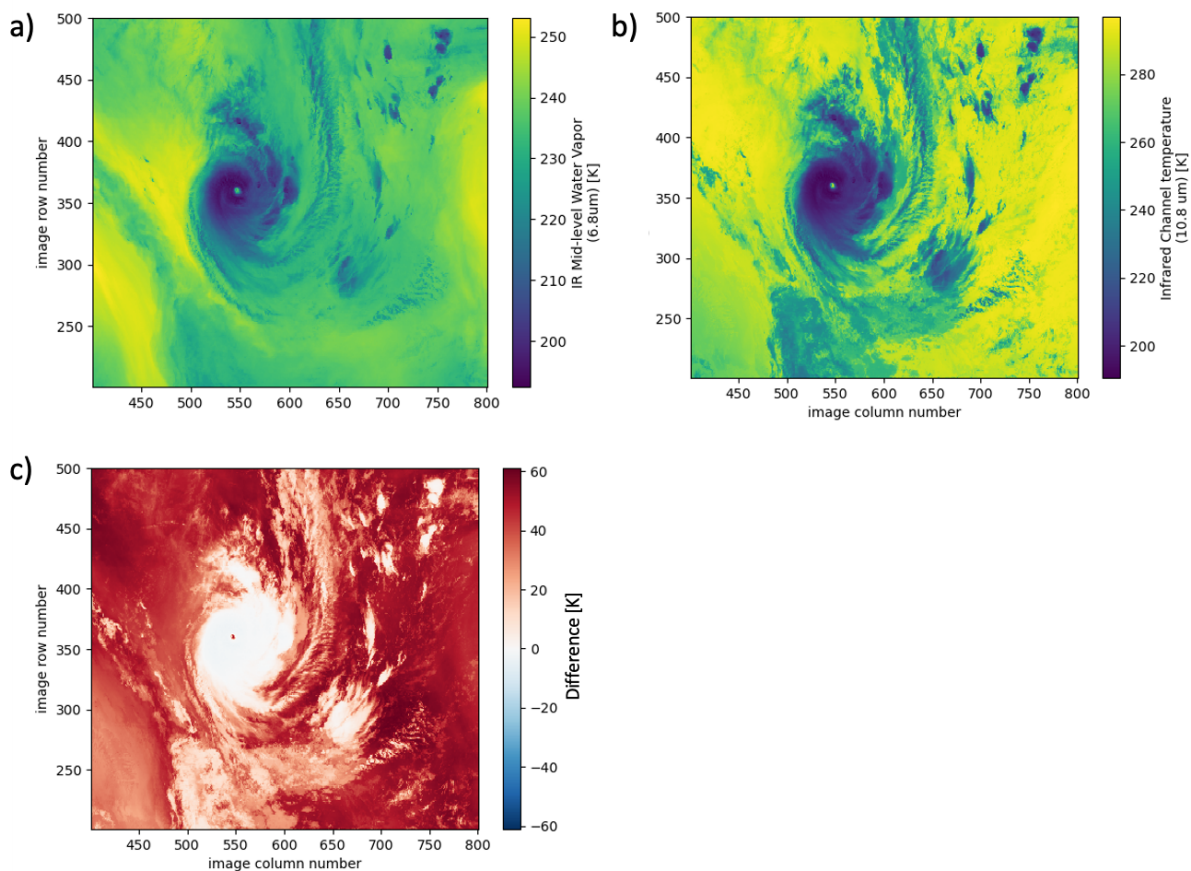

Figure 1. Temperature in Kelvin from SatCORPS CERES GEO Edition 4 GOES-16 Northern Hemisphere Version 1.2 showing T6.7 (a), T11 (b), and the difference between these channels.