**Instruction Worksheet Case study: use of scatterometry**

 **Objectives: Use of web page; interpreting ASCAT.**

1. Open a web browser : https://manati.star.nesdis.noaa.gov/datasets/ASCATData.php

2. Additional Products: Storm; Year: 2014: Indian Ocean, then Click Get Images;

3. Storm\_ID: Nilofar; Click Get Images again

4. Determine Niolfar center position (longitude, Latitude) and intensity (max wind) for the following times:

a. NILOFAR\_14102611\_04\_as :



Time of pass: 25 Oct 16:45 UTC Centre: Lon: 63, Lat: 13.8 Max winds: 30 Knot

b. NILOFAR\_14102805\_04\_as :



Time of pass: 27 Oct 17:44 UTC

 Centre: Lon: 62.2, lat: 15.4

 Max winds: 50 Knot

c. NILOFAR\_14102916\_04\_as:



 Time of pass: 29 Oct 05:53UTC

Centre: Lon: 61.9, lat: 18.6

Max winds: >50 Knot

d. NILOFAR\_14103102\_04\_as:



 Time of pass: 30 Oct 16:42UTC

Centre: Lon: 64.9, lat: 20.3

Max winds: 30 Knot

5. Scroll to down to NRCS Images: choose: NRCS 41627\_Nilofar\_141027\_1800.avewr

Does it help find the centre for b.?



**Storm Center**

Yes, the NRCS product (Normalized Radar Cross-Section ) useful in locating features, such as storm centers, on the ocean surface .