Further Development and Applications of the NCDC HURSAT and UW/NCDC Hurricane Intensity Datasets

The newly constructed NCDC HURSAT product comprises an unprecedented archive of hurricane-centered digital images from the global network of geostationary satellites. The data span the period 1978 to present, and have undergone reanalysis and rigorous recalibration with the goal of creating a homogeneous record that could be exploited in studies of trends in hurricane activity. In this presentation, I will briefly discuss a few aspects of the HURSAT record, and will introduce new datasets – such as the UW/NCDC record of satellite-based hurricane intensity estimates – that have been constructed from the HURSAT data and applied in various hurricane studies. The scope of the studies is quite broad, ranging from hurricane / climate variability and trend studies, to the development of operational tools for real-time forecasting.

Wednesday, 11 June 2008
11:00 a.m.
Room AOSS 351