

AdcircViz: A Visualization Application for Distributed ADCIRC-based Coastal Storm Surge, Inundation, and Wave Modeling

A JHT 2013 Project

Renewal Report

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In the first year of this JHT 2013 project, we have worked with NHC and JHT staff to install the AdcircViz MATLAB application within the Storm Surge Unit's environment. We are currently in the process of testing the application by using storms from the 2012 and 2013 seasons. The deliverables for year 1 are on target to be met on time, and during the 2014 hurricane season we will provide extensive support to staff during active events to ensure that AdcircViz is operating correctly and to address software and catalog issues as they arise.

We outlined four tasks for year two in our mid-year progress report. These are **Local Mode, SLOSH visualization, GeoPortal, Python-based AdcircViz**. An approximate timeline is as follows:

- Local Mode: August 2014
- SLOSH visualization: December 2014
- GeoPortal: March 2015
- Python-based AdcircViz, preliminary version, June 2015

While these are our expected activities, we will adjust our effort to incorporate suggestions and requirements that NHC and CSDL (Jesse Feyen) provides during evaluation of AdcircViz. We expect to gather these requirements in the next several months as our testing and evaluation of AdcircViz with NHC continues. We will provide any updates to the year two activities if they deviate from the above list.