**Metadata to be provided with each set of model results uploaded to the Inundation Testbed – SURA Server**

V 3.0

1. **Date/Approx Time files uploaded to server**

* February 6, 2013

1. **Brief description of model run**

* Hurricane Ike 2D with waves
* UL Grid
* With Advection Terms
* With River Flux Forcing
* Implicit DT=1s

1. **Model name and version #**

* SWAN+ADCIRC 51.03

1. **Model input file names**

* fort.13 (Nodal Attributes File)
* fort.14 (Grid File)
* fort.15 (Control File)
* fort.22,fort.221,fort.222,fort.223,fort.224 (Meteorological Forcing Input Files)
* fort.26 (SWAN Control file)
* fort.68 (Hotstart File)
* swaninit (SWAN Initialization file)

1. **Model time parameters**

* Surge model time step (s) 1s
* Run start date & time : 7/31/2008 12:00 UTC(GMT)
* Wind start date: 9/5/2008 12:00 UTC (GMT)
* Total run length: 48 days
* Output record start date: 9/8/2008 00:30 UTC (GMT)
* Output record end date: 9/16/2008 00:00 UTC (GMT)

1. **Summary of key run parameters**

* 2D Implicit
* Spatially varying manning coefficient
* Powell drag law

1. **Model output file names**

* fort.63.nc (Global Elevation Time Series File)
* fort.64.nc (Global Depth-Averaged Velocity Time Series File)
* fort.73.nc (Global Atmospheric Pressure Time Series File)
* fort.74.nc (Global Wind Velocity Time Series File)
* maxele.63.nc (Global Maximum Elevation File)
* maxrs.63.nc (Global Maximum Radiation Stress File)
* maxvel.63.nc (Global Maximum Depth-Averaged Velocity File)
* maxwvel.63.nc (Global Maximum Wind Velocity File)
* minpr.63.nc (Global Minimum Pressure File)
* rads.64.nc (Global Radiation Stress Time Series File)
* swan\_DIR.63.nc (Global Wave Direction File)
* swan\_DIR\_max.63.nc (Global Wave Direction File)
* swan\_HS.63.nc (Global Wave Direction File)
* swan\_HS\_max.63.nc (Global Wave Direction File)
* swan\_TMM10.63.nc (Global Wave Direction File)
* swan\_TMM10\_max.63.nc (Global Wave Direction File)
* swan\_TPS.63.nc (Global Wave Direction File)
* swan\_TPS\_max.63.nc (Global Wave Direction File)
* dir\_IKE.L\_UL-Ike2Dwvaf.61 (Wave Direction Station Time Series)
* dir\_IKE.L\_UL-Ike2Dwvaf.61.IMEDS (Wave Direction Station Time Series)
* hs\_IKE.L\_UL-Ike2Dwvaf.61 (Wave Height Station Time Series)
* hs\_IKE.L\_UL-Ike2Dwvaf.61.IMEDS (Wave Height Station Time Series)
* tm\_IKE.L\_UL-Ike2Dwvaf.61 (Mean Period Station Time Series)
* tm\_IKE.L\_UL-Ike2Dwvaf.61.IMEDS (Mean Period Station Time Series)
* tp\_IKE.L\_UL-Ike2Dwvaf.61 (Peak Period Station Time Series)
* tp\_IKE.L\_UL-Ike2Dwvaf.61.IMEDS (Peak Period Station Time Series)
* watlev\_IKE.M\_UL-Ike2Dwvaf.61 (Elevation Station Time Series)
* watlev\_IKE.M\_UL-Ike2Dwvaf.IMEDS (Elevation Station Time Series)
* UL2D.Ike.wva.f.o632347 (Simulation Screen Output File)

1. **Computational resources used** – run on athos.crc.nd.edu on 492 cores