**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**

* May 2, 2013

1. **Brief description of model run**

* 2007 Extratropical storm 2D without waves
* Scituate Harbor
* Without Advection Terms
* Implicit DT=0.1s

1. **Model name and version #**

* SWAN+ ADCIRC 49\_nestBC

1. **Model input file names**

* fort.13 (Nodal Attributes File)
* fort.14 (Grid File)
* fort.15 (Control File)
* fort.19 (Boundary elevation and velocity file)
* fort.22,fort.221,fort.222 (Meteorological Forcing Input Files)
* fort.26 (SWAN Control file)
* fort.67 (Hotstart File)
* swaninit (SWAN Initialization file)
* TPAR 101-135 (Wave Hs, dir and Tp boundary values)

1. **Model time parameters**

* Surge model time step (s) 0.1s
* Run start date & time : 04/01/2007 00:00 UTC(GMT)
* Wind start date: 04/13/2007 00:00 UTC (GMT)
* Total run length: 30 days
* Output record start date: 04/13/2007 00:30 UTC (GMT)
* Output record end date: 05/01/2007 00:00 UTC (GMT)

1. **Summary of key run parameters**

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

1. **Model output file names**

* 2007.wv.nc (Global outputs in netCDF format)
* fort.63. (Global Elevation Time Series File)
* fort.64 (Global Depth-Averaged Velocity Time Series File)
* fort.73 (Global Atmospheric Pressure Time Series File)
* fort.74 (Global Wind Velocity Time Series File)
* maxele.63 (Global Maximum Elevation File)
* maxrs.63 (Global Maximum Radiation Stress File)
* maxvel.63 (Global Maximum Depth-Averaged Velocity File)
* maxwvel.63 (Global Maximum Wind Velocity File)
* minpr.63 (Global Minimum Pressure File)
* rads.64 (Global Radiation Stress Time Series File)
* swan\_DIR.63 (Global Wave Direction File)
* swan\_DIR\_max.63 (Global Wave Direction File)
* swan\_HS.63 (Global Wave Direction File)
* swan\_HS\_max.63 (Global Wave Direction File)
* swan\_TMM10.63 (Global Wave Direction File)
* swan\_TMM10\_max.63 (Global Wave Direction File)
* swan\_TPS.63 (Global Wave Direction File)
* swan\_TPS\_max.63 (Global Wave Direction File)
* Sci\_2007.wv.o446114 (Simulation Screen Output File)

1. **Computational resources used** – run on zas.crc.nd.edu on 120 cores