**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**

* April 6, 2013

1. **Brief description of model run**

* Hurricane Rita 3D with waves
* ULLR Grid
* Vertical 10 uniform sigma layers
* Internal Time Step DT=2s
* External Time Step DT=0.4s

1. **Model name and version #**

* FVCOM 3.1
* Unstructured SWAN 40.85

1. **Model input file names**

* ttb\_grd.dat (Grid File)
* ttb\_dep.dat (Depth File)
* ttb\_cor.dat (Coriolis File)
* atm\_forcing\_stress (Meteorological Forcing Input Files)
* riadiation\_stress.nc (Radiation forcing from SWAN run)
* manning\_new.nc (Manning coefficient input file)
* ttb\_obc.dat (Open boundary File)
* ttb\_spg.dat (Sponage file)
* ttb\_run.nml (Control run File)

1. **Model time parameters**

* Surge model time step (s) 4s
* Run start date & time : 8/13/2005 00:00 UTC(GMT)
* Wind start date: 9/25/2005 00:00 UTC (GMT)
* Total run length: 48 days
* Output record start date: 9/21/2005 00:00 UTC (GMT)
* Output record end date: 9/27/2005 00:00 UTC (GMT)

1. **Summary of key run parameters**

* 3D Explicit
* Spatially varying manning coefficient
* Powell drag law

1. **Model output file names**

* ttb\_0001\_final.nc (Global Elevation and Velocity Time Series File)
* watlev\_\_USFFVCOM.RITA3DWITHWAVE.IMEDS (Elevation Station Time Series)
* GLOBAL\_USFFVCOM\_RITA3DWAVE.nc (Global Elevation and Velocity Time Series)

1. **Computational resources used** – run on ranger.tacc.utexas.edu