Release Notes: ETSS v*1.5.0*

v0.0.0 - Initial implementation of Model -- Oct 3, 1995

v0.0.0 - West Coast and Arctic added -- Sep 25, 2000

v0.0.0 - Handle all 4 cycles of GFS -- Sep 1, 2001

v0.0.0 - More development by Jye Chen until Aug, 16, 2002

V0.0.0 - Changing model to handle 96 hours forecast -- May 10, 2007

v0.0.0 - Output to NDFD grids -- Nov 7, 2007

v0.0.0 - Updating east coast basin and adding Gulf of Alaska basin -- April 11, 2008

v0.0.0 - Updating Gulf of Mexico basin -- Jun 30, 2010

v0.0.0 - Adding scripts to run ETSS model in parallel -- Jan 21, 2011

V1.0.0 - WCOSS Transition --- by Arthur Taylor, Oct 11, 2012

* modified model to run on WCOSS

v1.5.0 - by Huiqing Liu, May 18, 2014

* Input data changes
	+ Using GRIB2 GFS data instead of GRIB1
	+ 0.5 degree GFS data instead of 1 degree
	+ bug fix for wind control window for Arctic basin
* GRIB2 library instead of using GRIB1 library located in /nwprod/lib
* Interpolate higher resolution (0.5 degree) GFS data to ETSS grid
* Output changes
	+ Additional output of 2.5 km CONUS grids (requiring a new mask file)
	+ Additional output of 3 km Alaska grids (requiring a new mask file)
	+ Correcting the Alaska mask files in the south Bering Sea
* Computational resource information:
	+ Number of CPU: **<No Change>** (2 CPU)
	+ Memory: **Increase to 200 MB** / CPU (from 100 MB)
	+ Serial/Parallel runs: **2 independent scripts run in parallel**
	+ Run Time: **4-6 minutes**
	+ Disk space required: **1.0 Gig for disseminated data** (5.0G per cycle for working folder folder (ETSS1.5/work/tmp/)
	+ How often: **4 cycle per day**
	+ Dependencies: **(a) GRIB2 library in /nwprod/lib**, **(b) /nwprod/util/exec/tocgrib2**
	+ Data retention for files in /com and /nwges under prod/para/test environments: **A few weeks.**
* Preimplementation testing requirements
	+ runETSS.sh should be tested as part of this implementation
	+ Does this change require a 30-day evaluation? **Unlikely**
	+ The suggested evaluators: **MDL, OPC, NHC, WFOs**
* Include dissemination info
	+ Where should this output be sent? **SBN**
	+ Primary users: **WFO and OPC**
* Archive to HPSS
	+ Retention length: **Few years**
	+ List which output files should be archived: **The GRIB files (grib2.mdlsurgegrid\*)**