Progress for
Development and Implementation of NHC/JHT Products in ATCF
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** Indicates completed or installed for evaluation

Year 1 (2005)

Task 1: **A wind radii CLIPER algorithm evaluation
    Start: Spring 2005
    End: October 2005
    Deliverable: Report

Task 2: **A dialog from which to run the Monte Carlo wind probabilities
    Start: Spring 2005
    End: May 2006
    Deliverable: Code

Task 3: Code to retain**, display** and evaluate forecast tack uncertainties
    Start: April 2005
    End: May 2006
    Deliverable: Code, report

Task 4: Code that addresses new NHC/JHT requirements from the ATCF Requirements Meeting in November
    Start: Spring 2005
    End: July 2005
    Deliverable: Code

    List of 2004 ATCF Requirements Meeting tasks addressed for 2005 upgrade:

    1) ** "none" selection of Center/Intensity type for A/C and Synoptic fix dialogs
    2) ** When entering an ODT intensity fix, a position should not be required
    3) ** Output comments associated with a/c fixes in the fix list
    4) ** Default for a 90s storm should be DB rather than TD. Applies to Rebest and Start A Storm
    5) ** Develop error bounds checking on 34, 50 and 64 kt wind radii. Applies to Edit Best Track, Re-Best, and Compute dialog.
    6) ** Editing best track merge problem. Related to missing 34 kt wind radii
    7) ** Improve the listing of the best track to 1 line per best track record
    8) ** Display forecast guidance out to 7 days
    9) ** Add button to display objective aids dialog that clears objective aids
    10) ** Add zoom/un-zoom/full map buttons to forecast track dialog to allow for quick zoom/un-zoom over guidance when making a forecast track

------------------------------ Added Oct 2005 ---------------------------

11) ** Develop tool to plot objective and best track wind radii vs time with forecast/best track intensity information displayed

12) ** Changed nhc advisory to disable the radii edit boxes for tau's greater than or equal to 96

13) ** Worked on Jim's tc position estimate and tc update message handling

14) ** More work on nhc advisory, geography reference handling

15) ** Implemented dots on time/intensity and time/radii official line when invoked from forecast dialog

16) ** Revived fix conversion code for Chris

17) ** Modified Advisory – Storm State dialog to make list boxes longer and change the fcst_type line in the .adv file

18) ** Modified checkfdeck to add verbose/concise option for Chris, added extra output for Chris, output entire fix line

19) ** nhc advisory code, if a special is made, replace the current official forecast in adeck with the same forecast and change the techname to the center_old name. The new special forecast becomes the new OFCL for that dtg

20) ** Added Dissipated choice to the storm state dialog and added extra tau to the tau listbox

21) ** Fixed a problem with an ungraceful failure of the 4 panel script

22) ** Added option in preferences to display colors based on Saffir-Simpson scale. Added colors to the color preferences dialog

23) ** modified the objective aids to display out to 10 days (vice 7) and plot out to 5 days as solid, 10 days as dashed lines

24) ** Capability to rebest the wind radii directly from the wind radii vs time graph

25) ** Capability to eliminate EX, TD, DB, XX from objective aid verification

26) ** Ability to compute statistics by fix site

27) ** Expanded options for the display of wind radii and intensities, allow selection of single or multiple DTGs and single or multiple wind radii.

28) ** Put development level in bogus

29) * * Change defaults in rebest to use old development level if special type (e.g, XT)