Radar Scientist

Flight ID 13090711  Storm Gabrielle  Radar Scientist Pucci

The on-board radar scientist is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and checklists are contained in the operator's manual. General supplementary procedures follow. (Check off or initial.)

Preflight

___  1. Determine status of equipment and report results to lead project scientist (LPS).
___  2. Confirm mission and pattern selection from the LPS.
___  3. Select the operational mode for radar system(s) after consultation with the LPS.
___  4. Complete the appropriate preflight check list.

In-Flight

___  1. Monitor the Tail Doppler Radar function regularly, using the real-time TDR display, to make sure the Doppler radar is scanning and working normally.
___  2. Maintain the Doppler Wind Parameter form as well as a written commentary in the Radar Event Log of event times, such as ending and restarting of radar recording. Also document any equipment problems or changes in R/T, INE, or signal status.

Post flight

___  1. Complete the summary checklist and all other appropriate forms.
___  2. Download all Tail (TA) radar data files to thumb drive.
___  3. Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
___  4. Debrief at the base of operations.
___  5. Determine the status of future missions and notify HFP Director as to where you can be contacted.

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Diagram:

- Center:
  - W 22N
- Motion:
  - 0 0
# Doppler Wind parameters

**Flight ID:** 130907H1

## Doppler flight-leg notes (for use in automatic QC and analysis)

<table>
<thead>
<tr>
<th>Leg Start Time</th>
<th>Leg End Time</th>
<th>Storm Motion</th>
<th>Center Fix</th>
<th>Inbound</th>
<th>Outbound</th>
<th>Max Radius (km)</th>
<th>Horz. Res (km)</th>
<th>Sent</th>
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<td>Longitude</td>
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