

Radar Scientist

Flight ID 20161008I2 Storm Matthew

Radar Scientist Evan Kalina Radar Technician Dana Naeher

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 TA display, to make sure the Doppler radar is scanning and working normally.
- ___ 2. Once at the IP, request that the tilt be adjusted to remove sea clutter.
- ___ 3. Request that the LF radar is set to full scan (non-sector mode) for first Figure 4.
- ___ 4. 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 Belly (LF) scan radar data files to thumb drive.
- ___ 3. Download all tar'd (TA) radar data files to thumb drive.
- ___ 4. Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
- ___ 5. Debrief at the base of operations.
- ___ 6. Determine the status of future missions and notify HFP Director as to where you can be contacted.

HRD Radar Scientist Check List

Flight ID: 20161008I2

Aircraft Number: N43BF

Radar Scientist: Evan Kalina

Radar Technician: Dana Naehner

Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):

Radar Computer ↑

Lower Fuselage (LF) Antenna ↑

Tail (TA) Antenna ↑

Radar Post flight Summary

Significant down time:

Radar LF None

Radar TA none

Other Problems:

X

X
Coy

X
MacDill

HRD Radar Event Log

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(Include down time and times of when recording ended and was restarted)

Time (HHMMSS)	Event
202325	Coyote launched at IP. FL wind 47 kt
202600	Coyote in water... circling back for 2nd launch. P3 FL is 7000 ft. Broken deck of Stratocu & CU below plane.
205655	2 nd coy launch. wind 279° @ 47 kt cloudy at FL. in water at 205839
20 2120	Begin flying EMC leg. tracking 45° from S (180°) of center to NE (90) of center
2210	S to NE leg is over, repositioning to track SW parallel to coast
2210 2217	coastal leg start. tracking ~190°
2228	inbound leg start. 232°
2302	center at 33°58' and 77°35'

