Flight ID ~~12~~ 12/025H1 **Storm** SANDY **Radar Scientist** GAMACHE

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 the status of equipment and report results to the 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 calibrations and check lists as specified in the radar operator's manual.

In-Flight

____ 1. Operate the system(s) as specified in the operator's manual and as directed by the LPS or as required for aircraft safety as determined by the AOC flight director or aircraft commander.

____ 2. Maintain the Radar Scientist's form as well as a written commentary in the radar logbook of tape and event times, such as the start and end times of F/AST legs. Also document any equipment problems or changes in R/T, INE, or signal status.

Post flight

____ 1. Complete the summary checklists and all other appropriate forms.

____ 2. Download all 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.

HRD Radar Scientist Check List

Flight ID: 121025H1

Aircraft Number: NOAA42

Radar Operators: ~~[illegible]~~ B. PEEK, T. LYNCH

Radar Technician: _____

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

Radar Computer ↑

Lower Fuselage antenna _____

Tail Antenna _____

Time correction between radar time and digital time: _____

Radar Post flight Summary

Significant down time:

Radar LF _____

Radar TA _____

Other Problems:

2535
2623
2623

22 2602 25°17' 76°1' (06/29) ✓
23 2609 2537 75°40' (06/30) ✓
24 2623 25°54' 75°17' (06/35) ✓
25 ~~2628~~ 25°40' 75°40' (06/36) ✓
26 2640 25°22' 76°14' (06/37) ✓
27 2704 26°33' 77°30' (38) ✓

0718A SANDY

0135
0148

HRD Radar Event Log

Flight ID 121025H1 **Aircraft** NOAA42 Sheet 1 of 1
Radar Scientists C AMACHE

LF RPM 2 TA RPM 10

(Include start and end times of recording as well as times of F/AST legs and any changes of radar equipment status)

Tape #	F/AST On?	Event Time (HHMMSS)	Event
		~~2015~~ 2011	T/O
		214928	24° 02' 77° 28' IP
		220105	24° 14' 76° 27' MD RADAR
		2217	24° 36' ~~7[illegible]~~ 9 75 42
		2242	24° 41' 73° 56' (2)
		2307	Climbing from 8 to 18K ft
			350 17 kts
			2312 END DOWNWIND (3)
			2339 24° 4[illegible]' 7548 9
			2405 ~~350~~ 340 10 (4)
			2422 END DOWNWIND (5)
			6
			2507 END PENETRATION
			2812 LANDING