Radar Scientist

Flight ID	101106H Storm Name Tomas
Radar Scien	itist P. Neason Radar Technician D. Peeh
on his/her as	poard radar scientist is responsible for data collection from all radar systems signed aircraft. Detailed operational procedures and checklists are contained or's manual. General supplementary procedures follow. (Check off or initial.)
Preflight	
<u>m</u> 1.	Determine the status of equipment and report results to the lead project scientist (LPS).
1/1 2.	Confirm mission and pattern selection from the LPS.
1 2. 1 3. 1 4.	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	
<u>n</u> 1.	Remind the AOC data technician to start the radar capture files.
<u>fn</u> 2.	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.
<u>.</u> ? 3.	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	
PN 1.	Complete the summary checklists and all other appropriate forms.
<u>P</u> 2.	Obtain from the AOC data technician all radar tapes and give him a thumbnail drive to download the radar capture files.
<u>M</u> 3.	Brief the LPS on equipment status and turn in completed forms, the thumbnail drive, and all radar tapes to the LPS. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
4.	Debrief at the base of operations.
YN 5.	Determine the status of future missions and notify MGOC as to where you can be contacted.

HRD Radar Scientist Check List

	ht ID:			
Rad	ar Operators: _ ar Technician:	P. Rea	son.	Tradaty and a
Rad	ar Technician:	B. Pe	eh	line on-beard on higher a <u>ssign</u> e
	nber of DAT ta			es the operator's i
Component Systems				
Device	Pre-flight	In-flight	Post-flight	R/T Serial #
Radar Computer	1	7	saotianaa saa s	
DAT drives	1	1	ongga odir state	
Lower Fuselage antenna	7	7		
Tail Antenna	J	7	14 (50) A (60) 4	
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Time correc	tion between r	adar time an	d digital time: _	KU 204_
o and its consentation seekers			cain the Farian	
service leasts of the living and	Radar Pos	t flight Sum	mary	
Number of DAT tapes used	l: <u></u>			
Significant down time:			BARTUTT DE SESTE	
Radar Computer	H- Home are many	Rada	ar LF	Kish
DAT drives	/ oi may bee a	Rad	ar TA	ira t 201
Other Problems:		sharrato ad b		

HRD Radar Event Log

Radar Scientist P. Reason Radar	ar Technician <u>U. Pee U</u>
LF RPM TA I	RPM

(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
		194900	Take off from St. Crolx
	Y	~1955	Start Radar
		P281~	Start recording
		~ 2106	
			Never's y strong tond of way. Note @ 10000 lt - Afrach. IP
		~ 2142	Passel or Zona S. af eye
		~2142	passed or zoon S. af eye
			1) educated guess
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NHC Storm Mother 45°@ 14/ht (Seg. of Bit) 2601

Doppler Wind parameters

ATCF 21 270 VX D

	FLIGHT	ID: (0			er flight	t-leg note	es (for us	e in automat Scientist			sis)			
	Leg Start Time	Leg End Time	Leg End Storm Motion		Center Fix Time Latitude Longitude			Max Radius (km)	Horz. Res (km)	Inbound track	Outbound track	ja?	Angle check?	Sent?
	HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	49/98/147/196	1/2/3/4	Azimuth (deg)	Azimuth (deg)	H/TS	(Y/N)	(Y/N)
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NE-75L	12319	2401	050	10	2341	2454	6945	N.	⁻ u			. 11	И	Y
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