Radar Scientist

Flight ID_\	00916HI Storm Name Hurricane Kanf
Radar Scient	ist LORSOLO Radar Technician BOSKO
on his/her ass	oard radar scientist is responsible for data collection from all radar systems igned aircraft. Detailed operational procedures and checklists are contained r's manual. General supplementary procedures follow. (Check off or initial.)
Preflight	
<u>SU</u> 1.	Determine the status of equipment and report results to the lead project scientist (LPS).
	Confirm mission and pattern selection from the LPS.
2. 3. 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	
1.	Remind the AOC data technician to start the radar capture files.
1. 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.
	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	
	Complete the summary checklists and all other appropriate forms.
<u>/</u> 2.	Obtain from the AOC data technician all radar tapes and give him a thumbnail drive to download the radar capture files.
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.]
	Debrief at the base of operations.
5.	Determine the status of future missions and notify MGOC as to where you can be contacted.

HRD Radar Event Log

Flight ID 100	916H S	torm Name	Hurricane	Karl	Sheet of
Radar Scientist	LORS	SOLO	Radar Techn	ician	BOSKO
	LF RPM	10	TA RPM	10	PRF 2400 Hz

(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
1	14		Tak off: 15367
		18087	Descent to 12000 Pr Press
		1817-00	
VI			Start leg #1 @ 21.27°, -92.56°
	Tomas		
	Acound &		or just Scale issues.
		1950	IA Stopped uplating for a few minutes
	493000000	1842	Center hime 69/ 19'40' N 93° 13' W
	0.000		Motion 289/8ht
	800000	1858	Find of penetration (End of downwind leg (Start of leg#2
	100000	103079	center leg #2 15° 421 ~ 93° 78' w Motion: 785°/ 10 les
	4		Metian: 785% voluts

Doppler Wind parameters

FLIGHT	TID: \0	0916		ler fligh			e in automat		analy:				
Leg Start Time	Leg Start Leg End Storm Moti		lotion	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)
181700	1850	789	8	184700	19°40'N	93°19'w	245	5	250	705°	H	Y	Y
191500	1858/19100 195403/ hoire	285	10	193016	19°42'N	93° 28'm	245	5	149	3,79	#	N	Y
Lo 1500	40639/100	119	9	204100	19°46'n	93038W	245	5	270	90°	H	\sim	Y
	12												
								-				9	
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