WXWXA ALGE

## **Radar Scientist**

Fligh	t ID	100706 H Storm Name AL96
Rada	r Scien	tist Reason / Gamache Radar Technician Joe Bosco
on his	s/her ass	oard 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.)
Prefli	ght	
	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-Fli	ght	
/	1.	Remind the AOC data technician to start the radar capture files.
		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.
_	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 fl	ight	
	1.	Complete the summary checklists and all other appropriate forms.
	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.]
	4.	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 <u>\o</u> Radar Scien	0706 H tist Reason	Storm Name	AL96 Sheet of of of
	LF RPM	М	TA RPM
(Include start a	nd end times of	f recording as well as tin	nes of F/AST legs and any changes of radar equipment status)
Tape #	F/AST On?	Event Time (HHMMSS)	Event
DITI	Y	203500	Started recording

Doppler Wind parameters

QC and analy orz. Res Inbound (km)	Scientist:  Max Radius  (km)  (km)  Ms tracking (km)  (km)  Horz. Res (km)	Scientist:    Nax Radius   Horz. Res   (km)   (km)	Scientist:  Center Fix  Center Fix  Center Fix  Center Fix  Center Fix  (km)  (km)  (km)  (km)	Scientist:  Center Fix  Max Radius Horz. Res Inbo (km) tra	Motion Time Latitude Longitude (km) (km) tra	Storm Motion Center Fix Max Radius Horz. Res Inbo
1/2/3/4	49/98/147/196	(Deg/Min) 49/98/147/196	(Deg/Min) 49/98/147/196	HHMMSS (Deg/Min) (Deg/Min) 49/98/147/196	Knots HHMMSS (Deg/Min) (Deg/Min) 49/98/147/196	HHMMSS (Deg/Min) (Deg/Min) 49/98/147/196
	6	0000	2100	001	2100	2100
	0	00 00 0	co 12		co 12	co 12
	0	0006	5 00 12	6 001	5 00 12	5 00 12
	2	9000	0012	0	0012	0012
	0	0498	rota		rota	rota