Radar Scientist

Flight I	D 100902II Storm Name Egel
Radar S	cientistS, Murillo Radar Technician Ogna Nacher
on his/he	on-board radar scientist is responsible for data collection from all radar systems or assigned aircraft. Detailed operational procedures and checklists are contained erator's manual. General supplementary procedures follow. (Check off or initial.)
Prefligh	t Out (AHBYMSK)
<u>84</u> 1	Determine the status of equipment and report results to the lead project scientist (LPS).
84 2	. Confirm mission and pattern selection from the LPS.
84 3	. Select the operational mode for radar system(s) after consultation with the LPS.
84 4	. Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.
In-Fligh	t
84 1	. Remind the AOC data technician to start the radar capture files.
<u>84</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>8U</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 flig	ht Manual Annual Administration and the Manual Administration and
84 1	. Complete the summary checklists and all other appropriate forms.
<u>S4</u> 2	Obtain from the AOC data technician all radar tapes and give him a thumbnaid drive to download the radar capture files.
3	Brief the LPS on equipment status and turn in completed forms, the thumbnai 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.]
84 4	Debrief at the base of operations.
ZU 5	Determine the status of future missions and notify MGOC as to where you can be contacted.

HRD Radar Scientist Check List

Flight ID: 1009 02 I 1

Rada	ar Operators: _	3. Murill	0	Karine Schedus
Rada	ar Technician:	Dana	Igehor	The on-book
Num	nber of DAT ta	pes on board	d: Ocusion	e roterado sáturo
Component Systems	Status(Up †, I	Down ↓, Not	Available N/A	Not Used O):
Device	Pre-flight	In-flight	Post-flight	R/T Serial #
Radar Computer	1	1	- 1	l'in
DAT drives	V	1	\downarrow	18
Lower Fuselage antenna	1	7	1	
Tail Antenna	1	7	1	
Number of DAT tapes use	Radar Pos		nd digital time: _ nmary	Post flight
Significant down time:				
Radar Computer _	ISUS PIES BERDIE	Rac	lar LF	
DAT drives				
Other Problems:				

HRD Radar Event Log

Flight ID 69027 Storm Name Radar Scientist S. Months	Radar Technician Ogna Nagher
LF RPM	TA 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
		200635	take of from MacDill
		202148	radaron
in the second	pr-	213612	at IP
		2156	eyewall (SW)
		2204	center
		221104	eyerbell (NE)
		222850	turning toured the west
		225728	turning towards the 80
		231444	eigenble (NW)
		232/10	Centre
		232737	enewall (SE)
		234606	turnim
		235040	turning coming down to 7k
		235810	Section Scan
		002230	eyewall (E)
		0030	center
		008637	
		00 5765	eyenall (W)
		021425	turning
		033621	stopped cecordin
		035317	stopped recording Inded in Richmond, YA

2134

Doppler Wind parameters

0/3945 equal 2351/agral

Doppler flight-leg notes (for use in automatic QC and analysis) FLIGHT ID: 10090211 Scientist: S. MUCL													
Leg Start Leg End			Storm Motion	Time		Center Fix	Max Radius (km)	Horz. Res	Inbound track	Outbound track	ja?	Angle check?	Sent?
HHMMSS	HHMMSS	Degrees	Knots	Time	Latitude (Deg/Min)	Longitude (Deg/Min)	49/98/147/196	1/2/3/4	Azimuth (deg)	Azimuth (deg)	H/TS	(Y/N)	(Y/N)
213612	227620	100	16	220410	32°34"	74°52"	245	5	455	46	H	N	Y
222850	224750							are brod	267	and of the state o			
225728	234606	0140	16	2321	32°55!1	7404411	245	5	(35°	135°	4	N	Y
235120	235910								25°		A STATE OF	1	
000416	005755	0190	18	0030	33° (4"	74°41"	245	5	270°	2770	H.	N	4
005755	011439	TO THE REAL PROPERTY OF THE PR							125°				
012468	021330	009°	17	014644	33°34"	74.36	245	5	0°	00	H	N	Y
021380	024342	007	17	240	330,2	74.0711	245	5	0,				
				1									
							3131						
												-	