# 19910805 II - RADAR

### E.5 Doppler Radar Scientist (On-Board)

The on-board Doppler radar scientist (DRS) is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and check lists are contained in the operator's manual supplied to each operator. General supplementary procedures follow. (Check off and initial.)

E.5.1 Preflight								
	_ 1.	Determine the status of equipment and report results to the on-board lead project scientist (LPS).						
_	_ 2.	Confirm mission and pattern selection from the on-board LPS.						
		Select the operational mode for radar system(s) after consultation with the on-board LPS.						
_	_ 4.	Complete the appropriate preflight calibrations and check lists as specified in the radar operator's manual.						
E.5.2	In-Fligh	nt ·						
-	∠ 1.	Operate the system(s) as specified in the operator's manual and as directed by the on-board LPS or as required for aircraft safety as determined by the AOC flight director or aircraft commander.						
E.5.3 Postflight								
	_ 1.	Complete the summary check lists and all other appropriate check lists and forms.						
	_ 2.	Brief the on-board LPS on equipment status and turn in completed forms to the LPS.						
	_ 3.	Hand-carry all radar tapes and arrange delivery as follows:						
		<ul> <li>a. Outside of Miami - to the HRD operations center (FGOC).</li> <li>b. In Miami - to MGOC or to AOML/HRD. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]</li> </ul>						
	_ 4.	Debrief at the appropriate operations center (FGOC or MGOC).						
	_ 5.	Determine the status of future missions and notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted.						

19910805 IL RAPAR

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## Doppler Radar Scientist Check List

Flight ID 910805 II  Aircraft # 43 R F  Operators Kabeche  Radar Tech. Lynch									
Number of digital magnetic tapes on board									
Number of tape labels on board									
Component systems up and checked:									
MARS Computer									
DMTR1 DMTR2									
LF R/T# <u>SN [2]</u>									
TA R/T#									
Time correction between radar time and digital time O;O;O									
Radar Postflight Summary									
Number of digital tapes used:  DMTR1  DMTR2									
Significant down time:									
DMTR 1 Radar LF	•								
Other problems:  Radar TA 2017-2036 periodicall  See lead  See lead	y								
Other problems:									

4.3 h

## HRD Radar Down-Time Log

Operator 91080511 Sheet 1 of 1

Item	Time Down (HHMMSS)	Time Up (HHMMSS)	Problem

Item List: DMTR1, DMTR2, COMP, MARS, LF, TA.

# HRD Radar Tape Log

Flight 910805 Aircraft 43RF Operator Kabeche Sheet of

Tape #	Time On (HHMMSS)	Time Off (HHMMSS)	Comments
1-1	18/800	19 1900	
2-1	198	20 14 pt	
12	2014	off at 20	17
22	2036/12	·01/21534	17
	,		

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HURRICANE FEFA and HURRICANE GUILLERMO in the Pacific! For information on data available for both oceans, type: INFO TROPIC

The time sheets for July are now online. For more information, type: LASTMONTH For information on the 'El Nino' Trends, type: INFO ENSO or INFO SSTPAC For information on additional products and services, type: ADDMSG

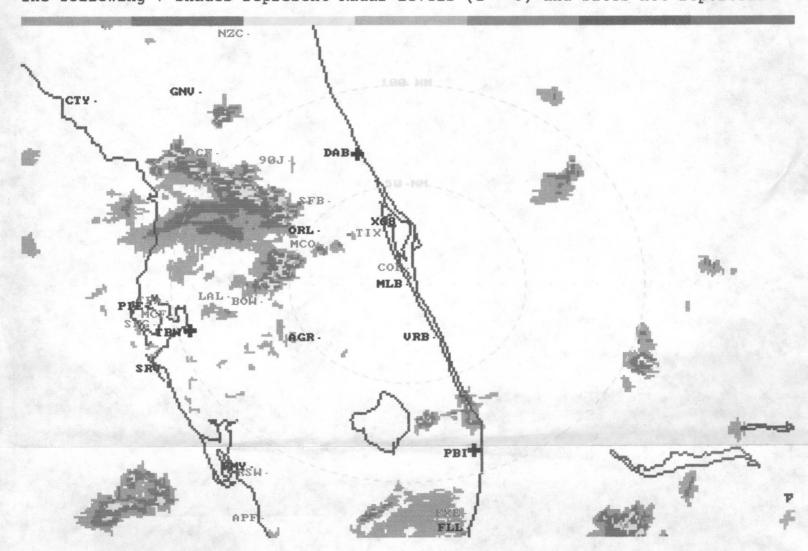
K. Coakley
WSI Meteorological Operations
Updated: Mon Aug 5 11:51:10 EDT 1991

#### +regrad mlb +

NOWRAD image printed by "WX-View" from Robertson Software.

MLB 16:30(16)GMT 05-AUG-91 NOWRAD COPYRIGHT WSI CORPORATION 240150

The following 7 shades represent Radar levels (1 - 6) and sites not reported.



P.43D - Cape wfall 21 mile 05 mon 5 Avgort & Fruk marks: Aug Fruh antunna Intellet CAPF Change prope armed Fri' OU SIN/S Range 1 Volt = 16 KV 2m-1. RIM expt (-22°C)

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