

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.
- 3. 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-Flight

- 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.
- 2. Maintain 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.

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:
 - a. Outside of Miami - to the HRD Field Ground Operations Center (FGOC).
 - 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.]
- 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.

980923I 9 Georges
Reconnaissance Flight

LPS, $\frac{1}{2}$: J. Gamache Wkstn. P. Dodge

2320: Just passing through 1st convective
band $\sim 22^\circ$, 75° W, some electricity,
heavy rain. We're at 4650 m.

2341 center N of coast?



980925I 6 Georges Recco

(The NIGHT CREW, PART II)

"LPS" P. Dodge $\frac{1}{2}$, WKSTN: P. Dodge, D Cecil

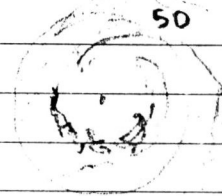
WARDS: Wen-Chan Lee, SAR (?) Wayne Wright

012305: Take off from Tampa Intl Apt
to do recon in 6 Georges as he has exited
the coast and hole for the KEYS.

0153 started recording F/AST
dual PRF 1600-1066

0255

0258



$23^\circ 04.7'$ $79^\circ 37.4'$

85 KTS on E side
of eye

0428
sketch 50



617 lightning, 9 m/s \uparrow
in the eastern eyewall
main band

711 Band \sim 1 coast N of 250,
 $80^\circ 34'$ - scalloped