19910729H1_CLAPHY

E.3 Cloud Physics Scientist (On-Board)

The on-board cloud physics scientist (CPS) is responsible for cloud physics data collection on his/her assigned aircraft. Detailed operational procedures are contained in the cloud physics kit supplied for each aircraft. General procedures follow. (Check off and initial).

E.3.1	Preflight						
	_ 1.	Determine status of cloud physics instrumentation systems and report to the on-board lead project scientist (LPS).					
	_ 2.	Confirm mission and pattern selection from the on-board LPS.					
	_ 3.	Select mode of instrument operation.					
	_ 4.	Complete appropriate instrumentation preflight check lists as supplied in the cloud physics operator's kit.					
E.3.2	In-Fligh	nt .					
-	_ 1.	Operate instruments as specified in the cloud physics operator's kit and as directed by the on-board LPS.					
E.3.3	Postflight						
	_ 1.	Complete summary check list forms and all other appropriate forms.					
	_ 2.	Brief the on-board LPS on equipment status and turn in completed check sheets to the LPS.					
	_ 3.	Take cloud physics data tapes and other data forms and turn these data sets in as follows:					
		 a. Outside of Miami - to the HRD operations center (FGOC). b. In Miami - to AOML/HRD. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.] 					
	4.	Debrief as necessary at the appropriate operations center (i.e., 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.					

Form E-3 Page 2 of 3

July 29 1991 Date 790729 £1

2-D Knollenberg Data Tape Log

2-D Knollenberg Data Tape Log

Flight 79072971 Operator Gamache form

Tape #	EOF #	Time On	Time Off	Comments
1		244950	245820	In large stren of trapform closed Still on Max in Straft the wow! They reakly eliminoted most of the
2		245900	2510 45	Stay on Max in Strat the wow! Theyreakyelimnohebuss to Ath
3		251100	2518?	
4		25 20	Defore 2542	Back to 1-5 slata
5		2542		260121
0		2608	7	Runaway in middle of tope
7		263426	264400	
<u>C6</u>		264420	265200	
9		2652	2457	Done cheady?
10		280700	281700	
11				Did not get be singly time. May be carpty
1977, 1982, 1983				

clear-air updates

Cloud Physics Project Scientist Operational Check List

Date	Aircraft		Flight ID				
A. Instrument Status and Performance:							
System	Pre-Flight	In-Flight	Downtime	# of Tapes			
Johnson-Williams		*					
PMS probes:							
2D-P							
2D-C							
FSSP							
Data System							
Recorder							
Formvar							
DRI Charge Probe				*			
DRI Field Mills							
King Probe							

B. Remarks:

Formvar Log

Date		Flight		Operator	
Roll #	Time On	Time Off	Frame Count at Start	Comments	
*					