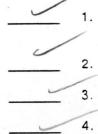
19980824H1_CLDPHY

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



Determine status of cloud physics instrumentation systems and report to the onboard lead project scientist (LPS).

. Confirm mission and pattern selection from the on-board LPS.

Select mode of instrument operation as determined by the HRD/CPS.

4. Complete appropriate instrumentation preflight check lists as supplied in the cloud physics operator's kit.

E.3.2 In-Flight

-

Operate instruments as specified in the cloud physics operator's kit and as directed by the HRD/CPS, unless superseded by directions from the on-board LPS.

E.3.3 Postflight

1. Complete summary check list forms and all other appropriate forms.

- 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 to the OAO flight director, who will arrange delivery as follows:
 - a. Outside of Miami to the HRD operations center (FGOC).
 - b. In Miami to OAO/Science and Program Division. [Note: all data removed from the aircraft by HRD personnel should be cleared with the OAO 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 1 of 3

Cloud Physics Project Scientist Operational Check List

Date 8/24/58 Aircraft 42

Flight ID _ 780 8241-1

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A. Instrument Status and Performance:

System	Pre-Flight	In-Flight	Downtime	# of Tapes
Johnson-Williams				
PMS probes:				
2D-P				(
2D-C				1
FSSP				
Data System				
Displays				
Formvar				
Nimbiometer				
CO ₂ Radiometer				

Β. Remarks: Form E-3 Page 2 of 3

2-D Knollenberg Data Tape Log

Date_

8/24/98 Flight 98082411 Operator Gove 4/14

Tape # EOF # Time On Time Off Comments 292 20:07 OA Tope 2 0205 0 5.8 0 On onthood + East to Cente) JET+NE-Center 0 e precip SF Snow Inr. Tore Inc -leve 10

Form E-3 Page 3 of 3

Formvar Log

Date _____

Flight _____

Operator ____

Roll #	Time On	Time Off	Frame Count at Start	Comments
		X		and the second
		A		
		1		
	Q			
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	11.1	in the second se		
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				a la companya a company
		and a super-		