19950816I1_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	Prefligh	it
	_ 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 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-Fligh	nt .
	_ 1.	Operate instruments as specified in the cloud physics operator's kit and as directed by the HRD/CPS, unless superseded by directions from the on-board LPS.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	Postflig	ht
	_ 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 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.

1995081021 CCD PHY

Form E-3 Page 1 of 3

Cloud Physics Project Scientist Operational Check List

_ Aircraft _		_ Flight ID	
and Performanc	e:		
Pre-Flight	In-Flight	Downtime	# of Tapes
	and Performanc	and Performance:	and Performance: Pre-Flight In-Flight Downtime

B. Remarks:

2-D Knollenberg Data Tape Log

Date_____ Flight ____ Operator____

Гаре #	EOF#	Time On	Time Off	Comments
7.7	25 - 25 7			
			75	

Form E-3 Page 3 of 3

Formvar Log

Date 8/15/95	OFARK T	T Marray.
Date	Flight 9 50815 I	Operator 5. Abbrson

			Frame Count at	
Roll #	Time On	Time Off	Start	Comments
				~ 1845 Through med - Devel
				new tex clouds
				Parce probe not working and
		95081	6I	
				1759 takeoff, Precip probe broken
				1823 started instrumentation
				188330 started writing to tape
		L 1		182510 lung movement
	used sitings	miss of record	ec	182525
	BIAS = novma EQU - novma ANRS - OH	e e		182610, 182620, 182630 autoplot problems
	ANRS - Off Input - all RECORD LEVE			
	Left-man			184500 into clouds, loud probe looks good 190000 enemberly out of clouds and below
	RECORD MAST			1911 back inclouds
				191645 started audiocassotto
				192005 200 maneuver done (start)
				192110 200 maneuser completed
				193833 fixed constrainmenter for corrections
				2030 out of central clouds

2035 back in outer clouds
2052 tape recorder on fout of outer band
2052 42 left bank
205308 right bank
205345 and mane wer
2111 hand coording