

1981092541-CLDPHY

Form J-2 Cloud Physics Project Scientist Operational Checklist

DATE Sept 25, 81 AIRCRAFT 42 RF FLIGHT 810925H1

A. INSTRUMENT STATUS AND PERFORMANCE

	PreFlight	InFlight	PostFlight	Remarks	Data Units Collected
Johnson Williams	OK	OK			
Nimbicrometer	OK	OK			
Lyman Alpha	N/A	N/A			
U. V.					
dewpoint					
Foil Impactor					
Formvar	OK	OK			1 (partial) roll
Knollenberg					1 tape
Raindrop		OK			
Cloud Droplet		OK			
FSSP		OK			
Data System		OK			
& Displays	OK	OK			
Ice Particle Counter					
Mee					
ERT					
CO ₂ Radiometer	ON BOARD	"	"		
Microwave Radiometer	"	"	"		
Aerosol					
Filters					
Bulk Water					
INC					
CCN					

B. REMARKS

42 ferry to San Juan, PR. Will not save Knollenberg tapes.
 Some false images on 20-c. I don't think it's serious.
 Formvar works - it's really amazing. RAB
 Formvar stroke out - we have a spare.

PMS - FORMVAR LOG

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CLOUD PHYSICS OPERATOR R. A. BLACK

KNOLLENBERG		FORMVAR				
TAPE #	AND EOF TIMES	ROLL #	TIME ON	OFF	FRAME COUNT AT START	
1	175501	1	1755		2608	3 units out, 75 SCFM
	180019 EOF				30K	event = 1
	1810 ON				5500	2 events
off	181159 EOF			180000	8400	2 events, preceded by 7
			180900		9600	40 SCFM, bal
					9700	2 events
			181030		10,900	spd. 6
			181148		15,000	2 events
					15765	

NOTES

Formvar started w/ 3/4 - 2/3 of a roll, counter shouldn't go above 30-35K

Formvar heater off all these runs. Thickness 5 until 181148.

181744 event #4 for 10 sec = formvar off.

Formvar Strobe is Out