

# PMS - FORMUAR LOG

DATE 9/11/81 FLIGHT 810911H PAGE 1 OF

CLOUD PHYSICS OPERATOR R. A. BLACK

KNOLLENBERG		FORMUAR		FRAME COUNT AT START
TAPE #	AND EOF TIMES	ROLL #	TIME ON OFF	
1	on 061329 off 062234	0616	46-2D-P bad diodes	<del>not</del> not working properly TA ~ 17°C TAS ~ 127
2	on 062234 off 063202		TAS ~ 120 T ~ 16°C	RA 1574
3	on 070130 off 071828		TAS 120	RA 1577 T 18°C in to "eye"
4	on 075730 off 081428		TAS 128, T 17°C	RA 1577, TRK, HOG 269.5/29
5	on 110100 EOF 110909 on 114545 off 120450		TAS 125, T 22°C, 1103% not much precip inbound	RA 1482, TRK 270 ft. eye TA 16.2 TRK 000° RA 1609 <del>not</del> heading back, missing the heavy cloud

## NOTES

not using formuar tonight shift register #7 bad

062900 - both probes have problems w/ bad diodes, 2D-P worse than 20.  
Precip probe acts up more in heavier precip than at other times.  
Precip probe still (92100) crops out too much in "heavy" rain.  
DAS has been very warm all night.  
114822 we turned in a rainband & are heading in to eye; will miss heavy convection. 115050 light precip.

Form J-2 Cloud Physics Project Scientist Operational Checklist

DATE 9/11/81

AIRCRAFT 42 RF

FLIGHT 810911H1

A. INSTRUMENT STATUS AND PERFORMANCE

	PreFlight	InFlight	PostFlight	Remarks	Data Units Collected
Johnson Williams	OK	OK	✓		
Nimbliometer	OK	✓	✓		
Lyman Alpha	?				
U. V.	?				
dewpoint	?				
Foil Impactor	—		—		
Formvar	N/A	—	—		
Knollenberg					5 tapes
Raindrop	?	NG	NG		
Cloud Droplet	?	NG			
FSSP	OK	OK	OK		
Data System	OK	OK	OK		
& Displays	OK	OK	OK		
Ice Particle Counter	—				
Mee	—				
ERT	—				
CO <sub>2</sub> Radiometer	OK	✓	✓		
Microwave Radiometer	OK	✓	✓		
Aerosol	—				
Filters	—				
Bulk Water	—				
INC	—				
CCN	—				

B. REMARKS

2D-P worse than 2D-C for bad diodes. Precip probe is very poor. PMS log more detailed. Didn't use Formvar.