

Form J-2 Cloud Physics Project Scientist Operational Checklist

DATE 9/3/81

AIRCRAFT 42

FLIGHT 810903H

A. INSTRUMENT STATUS AND PERFORMANCE

	PreFlight	InFlight	PostFlight	Remarks	Data Units Collected
Johnson Williams	✓				
Nimbicometer	✓				
Lyman Alpha	---				
U. V.	---				
dewpoint	---				
Foil Impactor	---				
Formvar	ok				
Knollenberg	✓				
Raindrop	✓				
Cloud Droplet	✓				
FSSP	✓				
Data System	✓				
& Displays	✓				
Ice Particle Counter	---				
Mee	---				
ERT	---				
CO ₂ Radiometer	✓				
Microwave Radiometer	✓				
Aerosol	---				
Filters	---				
Bulk Water	---				
INC	---				
CCN	---				

B. REMARKS

GERT

PMS - FORMVAR LOG

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CLOUD PHYSICS OPERATOR Vic WIGGERT
KNOLLENBERG ~~FORMVAR~~

Tape #	Tape #	AND EOF TIMES	ROLL #	TIME ON	OFF	FRAME COUNT AT START
Tape # 1	1	on ~ 2103 Restart system @ 211600; used ② In eye 215640 TAS 130 RA 1490 m 2241 Hdg 299 begin traverse eye wall (open eye)				
Tape 2	2	on 2247 Eye open NE-SW. Hdg 335 @ 2300 TAS 130 m s ⁻¹ Restart @ 2359 ROT 2355				
Tape 3	3	on 2355	Lvl 4		Winds ~ 35 m s ⁻¹	off 2409
Tape 4	4	on 2410 (0010)	Eastbound			
		thru band N of eye				0012-0016

NOTES

Restart N of eye @ 0049
Lvl 4 @ 0050 Tank level 0053-0055

Tape 5 on 0055 0111 Turbulence
0150 Turbulence

Tape 6 on Runway

Tape 7 on 0206 Runway
transverse eye wall Hdg ~ 335°
quadrant rotate to black Reshed from the
Restart @ 0209

ERT

PMS - FORMVAR LOG

DATE 11 Sep 81

FLIGHT

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CLOUD PHYSICS

OPERATOR

V. Wiggert

KNOLLENBERG

FORMVAR

TAPE #	AND EOF TIMES	ROLL #	TIME ON	OFF	FRAME COUNT AT START
7	on @ 0209 0256 off 0311	4	Mult Turb	@	0211
8	on 0310		off 0329		
9	on 0329 0335 0337 @		on Westbound commence climb 1635m ;		then eye to MTD from 1590m mult turbulence

NOTES