

FLIGHT # 1983081847-RADAR
 A.C. # 42
 OPERATOR Goldenberg
 RADAR TECH Chenig

AUG 18 1983

NUMBER OF DIGITAL MAGNETIC TAPES ONBOARD 13 + 2 boxes
 NUMBER OF VIDEO TAPES ONBOARD 2
 NUMBER OF TAPE LABELS ON BOARD > 18

COMPONENT SYSTEMS UP AND CHECKED.

RDSC <u> / </u>	VTR <u> / </u>
COMPUTER <u> / </u>	DSC1 <u> / </u>
DMTR1 <u> / </u>	DSC2 <u> / </u>
DMTR2 <u> / </u>	SCOPES <u> / </u>
NO <u> / </u>	
LF <u> / </u>	
TA <u> / </u>	

Time correction between radar time and digital time _____

RADAR POSTFLIGHT SUMMARY

NUMBER OF DIGITAL TAPES USED DMTR 1 _____
 DMTR 2 _____

NUMBER OF VIDEO TAPES USED _____

SIGNIFICANT RECORDER DOWN TIME (other than for tape changes).

DMTR: LF _____
 NO _____
 TA _____

VTR: LF _____
 NO _____
 TA _____

OTHER PROBLEMS: (stabilization, interference, etc.)

Cloud Physics Project Scientist Operational Checklist

DATE 8/18/83

AIRCRAFT 42RF

FLIGHT 830818H

A.

INSTRUMENT STATUS AND PERFORMANCE

	PreFlight	InFlight	PostFlight	Remarks	Data Units Collected
Johnson-Williams	✓	X broken by flight	X		
Nimbliometer	✓	✓	✓		
Lyman Alpha	NA	NA	NA		
U. V.	↓	↓	↓		
dewpoint	↓	↓	↓		
Foil Impactor	↓	↓	↓		
Formvar	↓	↓	↓		
Knollenberg					
Raindrop	✓	CANX	X		
Cloud Droplet	✓	✓	✓		
FSSP	✓	✓	✓		19 Tapes
Data System & Displays	✓	✓	✓		
Ice Particle Counter	NA	N/A	N/A		
Mee	↓	↓	↓		
ERT	↓	↓	↓		
CO ₂ Radiometer	↓	↓	↓		
Microwave Radiometer	↓	↓	↓		
Aerosol	↓	↓	↓		
Filters	↓	↓	↓		
Bulk-Water	↓	↓	↓		
INC	↓	↓	↓		
CCN	↓	↓	↓		

B.

REMARKS

swapped cloud probe from returning 43RF just before flight

cloud probe ok xcept for one stuck diode

DATE 8/18/83

FLIGHT 830818H

OPERATOR Willis

2-D Knollenberg Data Tape Log

Tape #	EOF #	Time On	Time Off	Comments
1		0606/02	0616/54	
2		0616/54	0633/00	data gap EOF 0625/41
3		0633/00	0643/35	pcp probe banana's end
4		0643/35	0723/52	pcp probe unplugged
5		0723/52	0802/55	
6		0802/55	0836/58	
7		0836/58	0728/00 0836/58	
8		0928/00	0949/47	
9		0949/47	1004/59	
10		1004/59	1035	
11		1035	1046	
12		1046	1120/50	
13		1120/50	1149	
14		1149		

NHEML RADAR TAPE LOG

AUG 18 1983

FLIGHT B30818H AIRCRAFT 42

OPERATOR Cheng SHEET _____ OF _____

TAPE #	TIME ON	TIME OFF	SOURCE RADARS			REWOUND?		COMMENTS
			NO	TA	LE	YES	NO	
1-1	060120	071600		✓	✓	✓		Tail not turned on
2-1	071600	075530		✓	✓			
1-2	075530	083600		✓	✓			
2-2	083600			✓	✓			(Lost from 836-850)
	085000 - 093000			✓	✓			
1-3	093000	100850		✓	✓			
2-3	100850	104831		✓	✓			
1-4	104831	113300		✓	✓			may have gap
2-4	113300	121340		✓	✓			gap 104831-33
<hr/>								
<div style="text-align: center;">_____</div>								