

RADAR PREFLIGHT CHECKLIST

AUG 18 1983

FLIGHT # 83081847
 A.C. # 42
 OPERATOR Goldenberg
 RADAR TECH Cheng

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 ✓
 COMPUTER ✓
 DMTR1 ✓
 DMTR2 ✓

VTR ✓
 DSC1 ✓
 DSC2 ✓
 SCOPES ✓

NO ✓
 LF ✓
 TA ✓

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 broke 17 (1/3)	X		
Nimbliometer	✓	✓	✓		
Lyman Alpha	NA	NA	NA		
U. V.	↓	↓	↓		
dewpoint	↓	↓	↓		
Foil Impactor	↓	↓	↓		
Formvar	↓	↓	↓		
Knollenberg					
Raindrop	✓	CANX	X		
Cloud Droplet	✓	✓	✓		
FSSP	✓	✓	✓		14 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 xcp 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 0700/10	
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 B308184 AIRCRAFT 42

OPERATOR Sheng SHEET OF

TAPE #	TIME ON	TIME OFF	SOURCE RADARS			REWOUND?		COMMENTS
			NO	TA	LE	YES	NO	
1-1	060120	071600		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Tail not turned on
2-1	071600	075530		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
1-2	075530	083600		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
2-2	083600			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			(Lost from 836-850 -
	085000	093000		 	 			
1-3	093000	100850		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
2-3	100850	104831		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
1-4	104831	113300		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			may have data
2-4	113300	121340		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			gap 104831-33

[Handwritten scribble]