

Appendix J

Operational Checklists

19780903F1-LFS

FORM J-1

On-board Lead Project Scientist Checklist

DATE 3 AUG 78AIRCRAFT 41CFLT 780903F

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>WILLIAMS</u>	Gust Probe	<u>DATEMAN</u>
Cloud Physics	<u>WILLIS</u>	Omega Sonde	<u>PARADIS</u>
AXBT	<u>N/A</u>	Sys Eng	<u>ROSSBY</u>
Hot Film	<u>N/A</u>	Data Tech	
Radar	<u>PARADIS</u>	El Tech	
Flt DIR/MET	<u>DARBY</u>	Other	<u>DATEMAN</u>

Time Off 031620Z Location MIATime On 040000 Location MIA

NOAA1 10016 ELLA

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
<u>03</u>	<u>0815</u>	<u>32-59</u>	<u>72-23 977</u>	<u>03</u>	<u>2103</u>	<u>35.5</u>	<u>70</u>	
<u>03</u>	<u>0600</u>	<u>33-15</u>	<u>72-11 981</u>	<u>03</u>	<u>2103</u>	<u>35-34'</u>	<u>69-27'</u>	<u>974 MB</u>
<u>03</u>	<u>15</u>	<u>34</u>	<u>71.5</u>					<u>1001K</u>

C. Mission Briefing

PATTERN II

TAKE OFF 1530Z FLY CLASSIC X AT18-23 KFT TAKE 212 FIX

D. Equipment Status

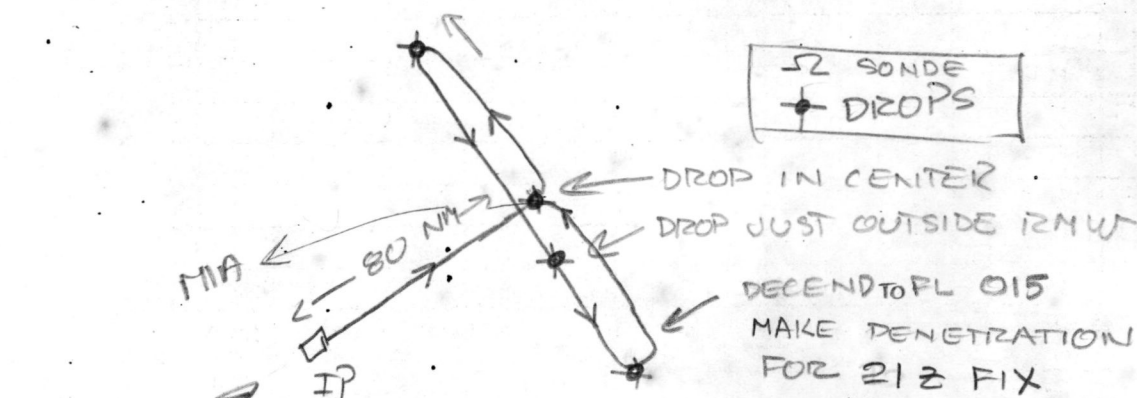
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Equipment	Pre Flt	In Flt	Post Flt	Reports Collected
Aircraft	↑	↑	↑	
Radar	↑	↑	↑	✓ H
Cloud Physics	↑	↑	↑	✓ H
Data Sys	↑	↑	↑	
Omega Sondes	↑	↑	↑	
AXBT	N/A	NA		
Gust Probe	N/A	NA		
Hot Film	N/A	NA		
Photography	↑	↑	↑	

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REMARKS SKETCH OF FLIGHT PATH BELOW:

LOST ONE H.F. WHICH GAVE US SOME COMM DIFFICULTIES BUT NOTHING WE COULDN'T DEAL WITH.



DROP IN EYE DID NOT GET Ω SIGNAL BUT TRANSMITTED OTHER DATA. ALL OTHERS WERE GOOD.

Form J-2 Cloud Physics Project Scientist Operational Checklist

DATE 780903F AIRCRAFT 41C FLIGHT 1

A. INSTRUMENT STATUS AND PERFORMANCE

	PreFlight	InFlight	PostFlight	Remarks	Data Units Collected
Johnson Williams	✓	✓	✓	OK	Air Speed 200
Nimbicrometer	✓	✓	✓	OK	
Lyman Alpha	Heater Out				
U. V.	?				
dewpoint	Heater			Wont Balance	
Foil Impactor	✓	✓	✓	Broke on transit	ZERO
Formvar	✓	✓	✓	OK	
Knollenberg					
Raindrop	✓	✓	✓	✓	OK
Cloud Droplet	NA				
FSSP	NA				
Data System	✓	✓	✓	OK	
& Displays					
Ice Particle Counter					
Mee	✓	NO COUNT IN RAIN OR ICE			
ERT					
CO ₂ Radiometer	NOT INSTALLED				
Microwave Radiometer	NA				
Aerosol					
Filters	✓	✓	✓	OK	Approx 19 filters
Bulk Water	NOT INSTALLED				
INC	✓	✓	✓	OK - Display fades after	work
CCN	NA				

B.

REMARKS