

RETURNED

WITNES AN APPOINTMENT

MESSAGE

patterns will be plotted later
impossible to follow in

RECEIVED BY

DATE

TIME

real time because of

63-109

STANDARD FORM 63 (Rev. 8-76)

Prescribed by GSA

FPMR (41 CFR) 101-11.6

display problems on aircraft.

19790903FI
-LPS

790903F

Appendix J

Operational Checklists

FORM J-1

On-board Lead Project Scientist Checklist

DATE 3 SEPT 1979

AIRCRAFT 41C

FLT HURRICANE DAVID

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>BURPEE</u>	Gust Probe	
Cloud Physics	<u>PARADIS</u>	Omega Sonde	
AXBT		Sys Eng	<u>SCHRICKER</u>
Hot Film		Data Tech	<u>BRANCH</u>
Radar	<u>GRIFFIN</u>	EI Tech	<u>CALVERT</u>
Flt DIR/MET	<u>MICHIE</u>	Other	
		LIGHTNING	<u>2</u>

Time Off 0506Z Location MIAMI Time On 1846Z Location ROBBINS AFB GEORGIA

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
<u>02</u>	<u>1200Z</u>	<u>23.0</u>	<u>76.4</u>	<u>03</u>	<u>0531Z</u>	<u>25°12'</u>	<u>79°01'</u>	<u>981</u>
<u>02</u>	<u>1800Z</u>	<u>23.8</u>	<u>77.3</u>	<u>03</u>	<u>0723Z</u>	<u>25°25'</u>	<u>79°13'</u>	
<u>03</u>	<u>0000Z</u>	<u>24.5</u>	<u>78.3</u>	<u>03</u>	<u>0904Z</u>	<u>25°42'</u>	<u>79°20'</u>	<u>977</u>
				<u>03</u>	<u>0938Z</u>	<u>25°49'</u>	<u>79°24'</u>	<u>979</u>
				<u>03</u>	<u>1104Z</u>	<u>26°06'</u>	<u>79°27'</u>	<u>978</u>

C. Mission Briefing

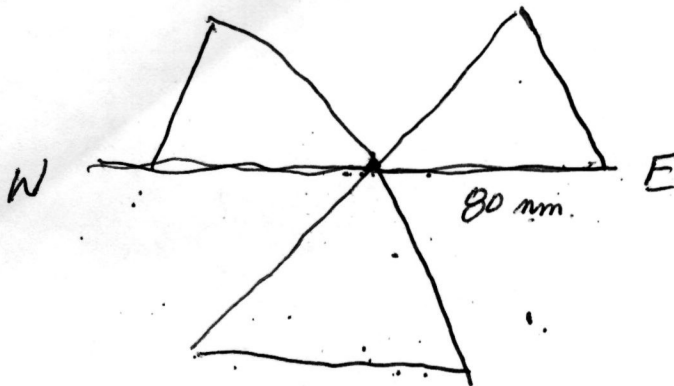
FLY FROM MIAMI TO HURRICANE. FLY BUTTERFLY PATTERN (FLT. PAT. 3)
AT 1500 FT. OBTAIN 06Z, 09Z AND 12Z FIXES. 12Z FIX
WILL PROBABLY BE MADE AT 11Z. RETURN TO ROBBINS AFB
IN GEORGIA

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	✓	✓	✓	
Radar	✓	✓	✓	✓
Cloud Physics	✓	✓	✓	✓ FOIL IMPACTOR MALFUNCTION
Data Sys	✓	✓	✓	
Omega Sondes				
AXBT				
Gust Probe				
Hot Film				
Photography	XXXXXXXXXX			
<u>LIGHTNING</u>	✓	✓	✓	

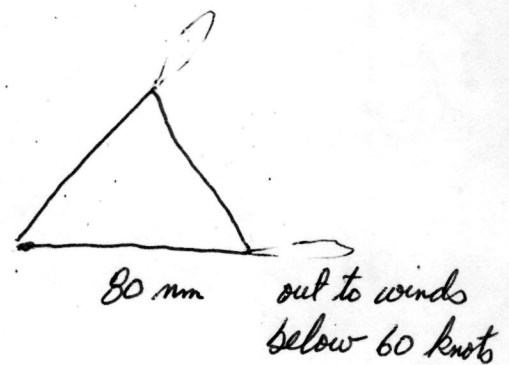
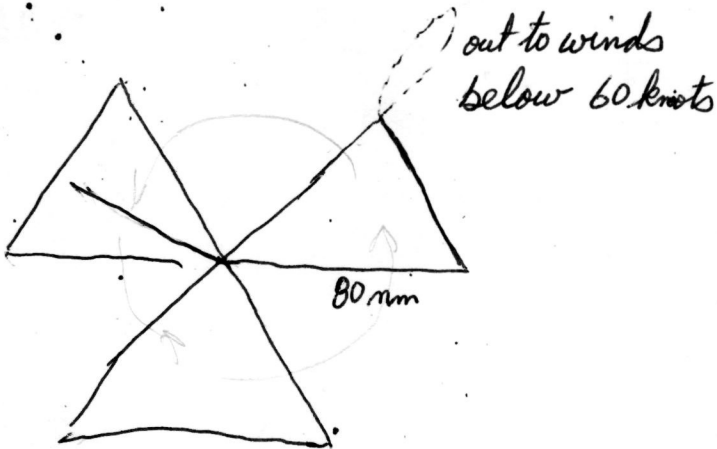
REMARKS LATITUDE AND TIME DISPLAYS INOPERATIVE ON CONSOLE IN COCKPIT.
 VERY DIFFICULT TO FOLLOW PATTERN AND PLOT WHEN NAVIGATOR'S
 DISPLAY DID NOT HAVE LATITUDE

E. Proposed Flight Patterns



repeat pattern as often as possible

F. Actual Flight Patterns



850 mb

Form I-2 Cloud Physics Project Scientist Operational CHECKLIST

DATE 9-03-79

AIRCRAFT C130-6541C FLIGHT 790903F

A. INSTRUMENT STATUS AND PERFORMANCE

	PreFlight	InFlight	PostFlight	Remarks	Data Units Collected
Johnson Williams	✓				
Nimbiometer	✓				
Lyman Alpha	N/A				
U. V.					
dewpoint					
Foil Impactor	✓	MALFUNCTION	END OF REEL		3120"
Formvar	N/A				
Knollenberg <i>ID only</i>					
Raindrop					
Cloud Droplet	✓				
FSSP					
Data System	✓				
& Displays	✓				
Ice Particle Counter					
Mee	✓				
ERT					
CO ₂ Radiometer	N/A				
Microwave Radiometer					
Aerosol					
Filters					
Bulk Water					
INC					
CCN					

B. REMARKS

time on tape ^{#1} is one sec. ahead of AWRS.
 tape 1 header : FLIGHT 790903 F
 no EOF (tape ran off end).

RADAR PREFLIGHT CHECKLIST

SEP 03 1979
SEP 03 1979
SEP 03 1979

FLIGHT # 790903 F
A.C. # 411
OPERATOR GRIFFIN
RADAR TECH SAM CALVERT

NUMBER OF DIGITAL MAGNETIC TAPES ONBOARD 10

NUMBER OF VIDEO TAPES ONBOARD _____

NUMBER OF TAPE LABELS ON BOARD

COMPONENT SYSTEMS UP AND CHECKED.

RDSC
COMPUTER
DMTR1
DMTR2

VTR _____
DSC1 _____
DSC2 _____
SCOPES

NO
LF _____
TA _____

Time correction between radar time and digital time 0

RADAR POSTFLIGHT SUMMARY

NUMBER OF DIGITAL TAPES USED DMTR 1 0
DMTR 2 2

NUMBER OF VIDEO TAPES USED none

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

DMTR: LF _____
NO none
TA _____

VTR: LF _____
NO _____
TA _____

OTHER PROBLEMS: (stabilization, interference, etc.)

stabilization is bad, particularly on the left, very hard to picture the storm

NHEML RADAR LOG

790903F

OPERATOR GRIFFIN

SHEET 1 OF

RADAR DOWN-TIME LOG

ITEM

TIME DOWN

TIME UP

PROBLEM

ITEM LIST: VTR, DMTRI, DMTR2, COMP, ROSC, LF, NO, TA, DSCI, DSC2