

19800805FI-LPS

Appendix I

42 - DAVE 150 +
43 - PETE 50

Operational Checklists

69-17

FORM I-1

RAINBAND EYE WALL
On-board Lead Project Scientist Checklist

DATE 05 AUG 80

AIRCRAFT 41C

FLT 800805F

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>WILLOUGHBY</u>	Gust Probe	
Cloud Physics		Omega Sonde	
AXBT		Sys Eng	<u>DR. BAY</u>
Hot Film		Data Tech	<u>DR. BAY</u>
Radar	<u>J. LEIN</u>	El Tech	<u>SCRICKET</u>
Flt DIR/MET	<u>DARBY</u>	Other	<u>DE LIGHTING</u> <u>LYN JONES ETC.</u> <u>NASA MICRO SCAT</u>

Time Off 051019Z Location SJU Time On 1720Z Location SJU

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
<u>05</u>	<u>1200Z</u>	<u>15.5</u>	<u>70.6</u>					

SEE ITEM F

C. Mission Briefing

FLY MODIFIED EYEWALL RAINBAND EXP AS
SHOWING DO WIND "L" TO AND FROM ALT
IN STORM 10 Kft.

294-172080288

Form I-1, Page 2

D. Equipment Status

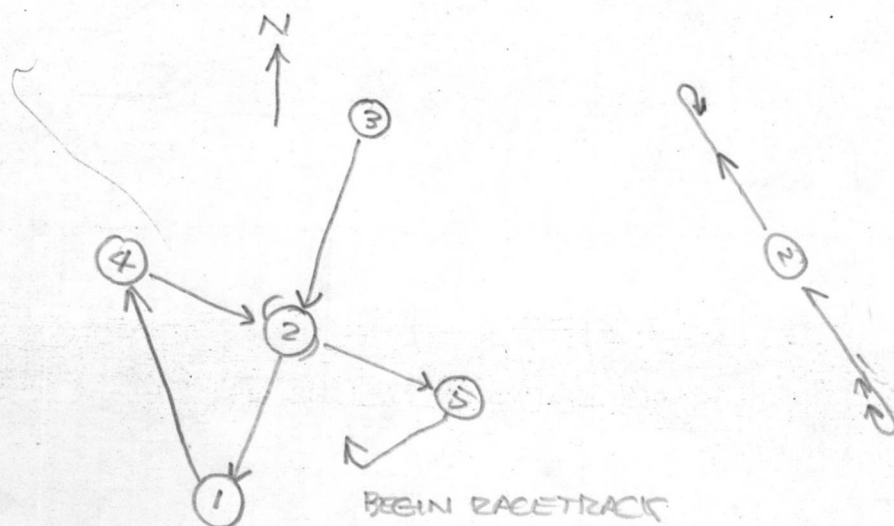
<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	↑		↑	
Radar ¹	↑	RECORDING BEGIN 1043Z	↑	LEIN WILL TURN IN TO JIM BROWN
Cloud Physics	NOB			
Data Sys ²	↑		↑	YES
Omega Sondes				
AXBT				
Gust Probe				
Hot Film				
Photography				
SCATTEROMETER ³	↑	↑	↑	N/A

REMARKS

- ¹ RADAR DATA SYSTEM HAS INTERMITTENT PROBLEMS
 - ² DISPLAY IN FLT STA DROPS OFF INTERMITTENTLY
 - ³ PASSED TO 43 SCATEROMETER UP THEY ARE DESCENDING TO 1500 FT AT 1050Z
- WIND CAL DONE 1100Z (FINISHED)

E. Proposed Flight Patterns

AL AT 10K ft

F. Actual Flight Patterns

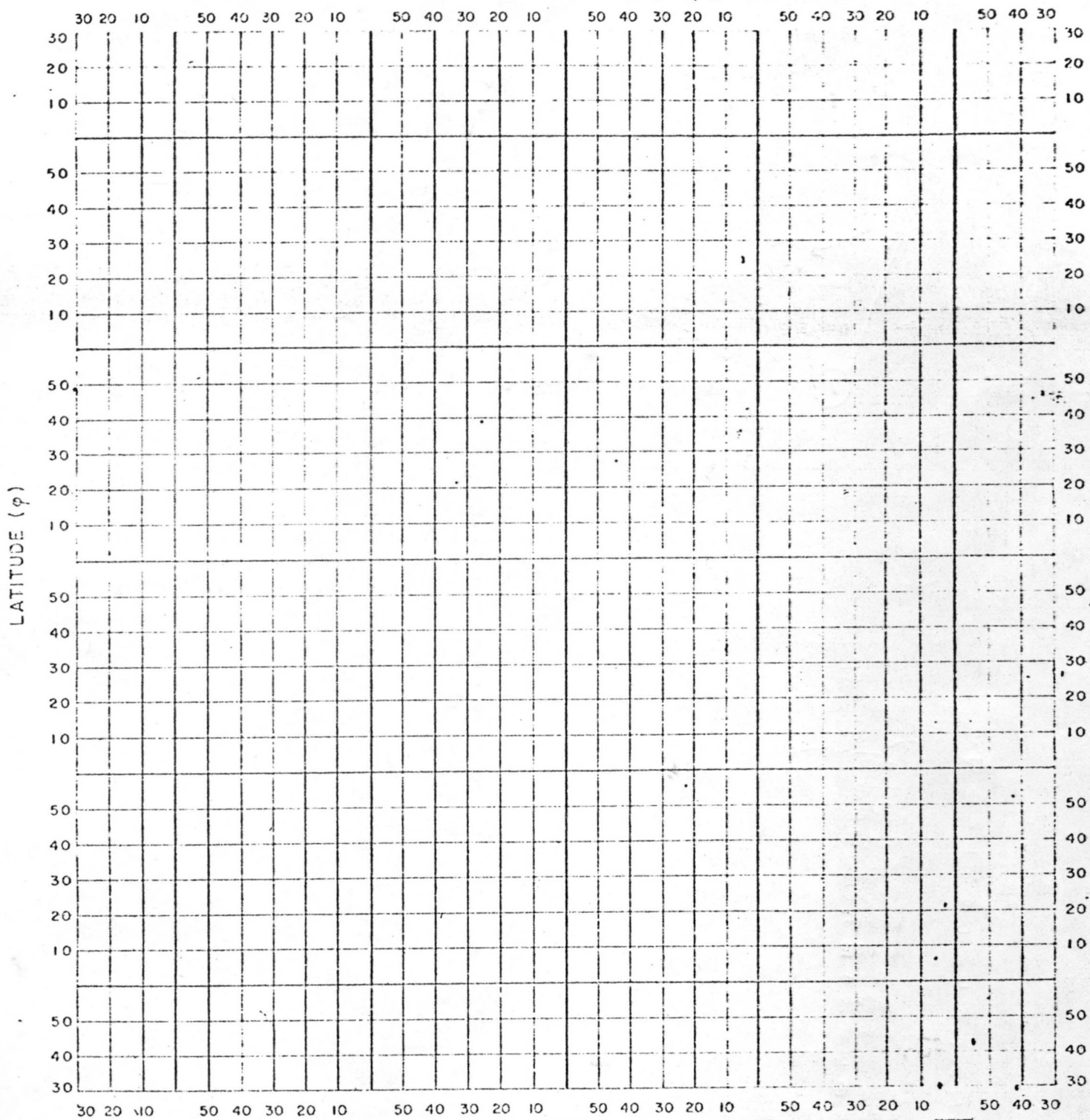
FLOWN AS PLANNED. 1 FIG 4 AND 3 RACE
 TRACKS TIMES AS FOLLOWS
110 ST TP

POINT	TIME	POS
3	1133	
2	1145	15°54.9' 70°22.8'
1	1203	
4	1232	
2	1247	16°00' 70°40'
5	1307	
6	1330	
2	1345	16°06.7' 71°02'
7	1402	
2	1416	16°09.7' 71°08.2'
6	1434	
2	1449	16°15.3' 71°22.6'
7	1503	
2	1516	16°11.5' 71°26.6'
6	1531	
2	1546	16°22.1' 71°33.3'
7	1557	
2	1610	16°21.4' 71°45.6'
6	1614	

1640

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



DATE _____

LONGITUDE (λ) _____

OBSERVER _____

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

FLIGHT DATA LOG

FLIGHT: 800805F STORM: ALLEN

TIME: 051019 Z TO: 051720 Z

ON-BOARD LEAD PROJECT SCIENTIST: WILLIAMS

Flight summary (include status of instrumentation and recording equipment, as well as any problems, malfunctions or outages with approximate times):

RAINBAND / EYE WALL

DATA VOLUME

STANDARD METEOROLOGICAL TAPES: _____

FAST TAPES: _____

RADAR TAPES: DIGITAL 2 VIDEO _____ LF ☐ TA ☐ NO ☒

CLOUD PHYSICS/KNOLLENBERG TAPES: _____

FORMVAR? ☐ FOIL? ☐

AXBT's? ☐ NO. of DROPS: _____ PRINTOUT? ☐

OMEGA DROPWINDSONDES? ☐ NO. of DROPS: _____

NO. of CASSETTES _____ PRINTOUT? ☐ STRIP CHARTS? ☐

PHOTOGRAPHY: VERTICAL? ☐ SIDE? ☐ NOSE? ☐

(IF KNOWN) RATE: _____ RATE: _____ RATE: _____

SEEDING MISSION? ☐ FROM THIS A/C? ☐ NO. of FLARES: _____