19851028I2-LPS

E.2 Lead Project Scientist (On-board)

E.2.1 Preflight

HW 1. Participate in general mission briefing.

HW 2. Determine specific mission and flight requirements for assigned aircraft.

HW 3. Determine from CARCAH or Field Program Director whether aircraft has operational fix responsibility and discuss with OAO Flight Director/Meteorologist and CARCAH unless briefed otherwise by Field Program Director.

HW 4. Contact HRD members of crew to:

a. Assure availability for mission.
b. Arrange ground transportation schedule when deployed.
c. Determine equipment status.

HW 5. Meet with OAO flight crew at least 90 minutes before takeoff, provide copies of flight requirements and provide a formal briefing for the flight Director, navigator, and pilots.

HW 6. Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami or FGOC at remote recovery location).

E.2.2 In-Flight

HW 1. Confirm from OAO Flight Director/Meteorologist that satellite data link is operative (information).

N/A 2. Confirm camera mode of operation.

HW 3. Confirm data recording rate. 1 Hz

HW 4. Complete Form E-2.

E.2.3 Postflight

_____ 1. Debrief scientific crew.

_____ 2. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to the appropriate HRD operations center (MGOC or FGOC).

_____ 3. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the OAO Flight Director.]

_____ 4. Determine next mission status, if any, and brief crews as necessary.

_____ 5. Notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted and arrange for any further coordination required.

Form E-2
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On-board Lead Project Scientist Checklist

DATE 28 OCT 95 AIRCRAFT N43RF FLT 951028I2

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	WILLOUGHBY	Gust Probe	
Cloud Physics		Omegasonde	
AXBT/ AXCP		Sys Eng	
Hot Film		Data Tech	
Radar	GAMACHE DOIZST	El Tech	
Flt Dir/Met		Other	

Take Off 28/2126 Location MIA Landing 29/0648 Location MIA

B. Past and Forecast Storm Position

Date	Time	Latitude	Longitude	MSLP
28 OCT	1012	29° 15'	92°05'	973
	1111	29°17'	92°09'	972
	1416	29°24'	92°28'	973
	1705	29°20'	92°52'	972

C. Mission Briefing

FLY INTO JUAN. GET 700, 03, 06 EYES, DO DOPPLER PATTERN ALONG COAST IF WE HAVE TIME

1230
230

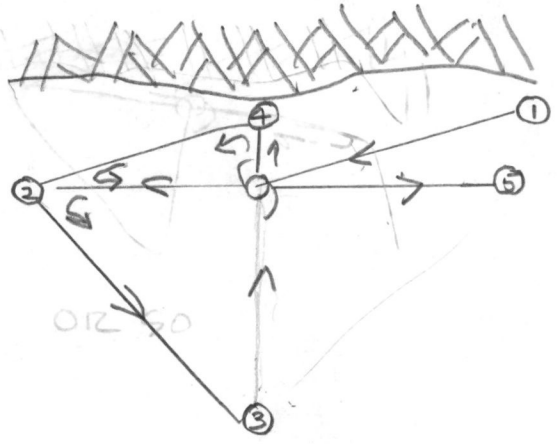
1630
5
2130

D. Equipment Status

Equipment	Pre Flt	In Flt	Post Flt	Reports Collected
Aircraft	↑	↑		
Radar	↑	↑		
Cloud Physics	NOT OPERATED			
Data Sys	↑	↑		
Omegasondes	N/A			
AXBT/AXCP	N/A			
Gust Probe	N/A			
Hot Film	N/A			
Photography	N/A			

REMARKS

E. Proposed and Actual Flight Patterns (Identify by number and type - give reason for modification)



Form E-1
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DATE 28 OCT 85 FLIGHT 851028I2 LPS WILLOUGHBY

Lead Project Scientist Event Log

GO HOME @ 4W Z LAND 0056

EVENT	TIME*	POSITION	COMMENTS**
T/O	28/2126	MIA	
AT 5000'	29/0015	29.19 91.10	OPERATIONAL ALTITUDE SEEKING G WIND 160/20
G	29/0034	28.85 92.45	TRAK 270 G → ② MIN SLP 973
② TURN	29/0101	28.87 94.47	TRAK 135 ② → ③
③ TURN	0134	27.12 92.45	TRAK 360 ③ → G
G	0203	28.92 92.35	975 mb TRAK 360 G → ④
④ TURN	0211	29.47 92.39	TRAK WSW ④ → ②
②	0236	28.90 94.23	TRAK 090 → G
G	0303	28.92 92.21	TRAK 090 G → ⑤ SLP 975
⑤ TURN	0323	28.98 90.73	TRACK 275 → ④ (0125Z)
④ TURN	0340	29.30 92.11	TRAK S → G
G	0348	28.90 92.10	TRAK S G → ③
③ TURN	0406	27.67 92.20	TRAK N ③ → G
G	0426	28.91 92.01	FINAL FIX RTB 976 MB
LAND	0648	MIA	

*Log times of all significant altitude changes, turns, and eye fixes
**New altitude, heading, center position, etc.

DATE_____ FLIGHT_____ LPS_____

Lead Project Scientist Event Log

EVENT	TIME*	POSITION	COMMENTS**

*Log times of all significant altitude changes, turns, and eye fixes
[illegible] eading, center position, etc.