19851027H1_LPS

aircraft.

E.2 Lead Project Scientist (On-board)

E.2.1 Preflight

2.

- Participate in general mission briefing.
- Alt
- The
- 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.

Determine specific mission and flight requirements for assigned

- -11
- 4. Contact HRD members of crew to:
 - a. Assure availability for mission.
 - b. Arrange ground transportation schedule when deployed.
 - c. Determine equipment status.

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.

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
 - 1. Confirm from OAO Flight Director/Meteorologist that satellite data link is operative (information).
 - N/A 2. Confirm camera mode of operation.
 - Confirm data recording rate.
 - 4. Complete Form E-2.

E.2.3 Postflight

- 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).
- 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.]

- 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 Page 1 of 5

1

DATE 27 OCT 85 AIRCRAFT N 42 RE FLT 851027 I					
A. Participants	5				
Function	Participant	Function	Participant		
Lead Proj. Sci.	WILLOUGHBY	Gust Probe			
Cloud Physics		Omegasonde			
AXBT / AXCP		Sys Eng	JARVEY		
Hot Film		Data Tech	GONZALES		
Radar	KOHLEIZ	El Tech			
Flt Dir/Met	PARRISH	Other PLOTS I	CKNOIZ, GENZLINGEIZ		
		NAV: SE	ETAN		
Take Off MA	Location 27/0058	Landing 27/1030	Location MIA		

On-board Lead Project Scientist Checklist

B. Past and Forecast Storm Position

Date	Time	Latitude	Longitude	MSLP
Ont 76	1810	240241	920 471	996
Oct 26	2012	240 321	92041'	995
26	2331	24°28'	92060(!)	993
	· .			

C. Mission Briefing

FLY	TWO	MF45	LEGS	AS	LONG.	AS
CONIST	A TIME	PERM	175			

Form E-2 Page 2 of 5

D. Equipment Status

Fouipment	Pre Flt	In Flt	Post Flt	Reports Collected
Aircraft	1	\uparrow	\uparrow	
Radar	$\uparrow \bigcirc$	T	1	- TH
Cloud Physics	NOT OPEIZATED			
Data Sys	1	NO	<u></u>	Y
Omegasondes	N/A			
AXBT/AXCP	NIT			
Gust Probe	NIA			
Hot Film	NA			
Photography	NA			

REMARKS O DSCN ONLY LE AVAIL IN PLICHT, BOTH RADARS

@ STATIC PRESSURE HAD INTERMITTANT FAILURES, SYSTEM AS A WHOLE CRASHED FREQUENTLY. Form E-2 Page 3 of 5

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







ACTUAL (CONIT)

Form E-1 Page 5 of 5

DATE 26/27 OCT 85 FLIGHT

FLIGHT 851027I

LPS WILLOUGHBT

15 75 50 45 30

Lead Project Scientist Event Log

MEAN TRACK 030/5 295

TIME*	POSITION	COMMENTS**
27/0058	MIA	
0323	24.73 91.68	TRAK 285-99
0329	24058	SLP 994 TRAIS 270 G-JE
0357	24.97 93.71	TRAK 135-33
0431	23.24 92.03	TIZAK 360->69
0501	25.12 7' 92.3,7 22	TRAK 360 6 74
0538	26.74 92,51	TIZAK ZZ5 (D) 2
OĢII	25.18	TRAK 290(2) > 5
0641	25.34 20 92.31 18	TRAK QO G- OD MINI SLP 990
0798	25.35 90.49	TRAK 315 D>D
0741	26.58 92,34	TRAK 180 (1-95)
0802	25.30 92.00	MIN SLP 988 TTZAK 090 G-7
0825	25.27 90.45	RTB
1030	MIA	
2		
	TIME* 2.7/0058 0323 0329 0357 0431 0501 0538 0611 0538 0611 0641 0798 0741 0802 0825 1030	TIME* POSITION 27/0058 MIA 0323 24.73 91.68 34.73 0323 24.73 91.68 34.73 0329 24.75 91.68 34.73 0327 24.75 91.68 34.73 0327 24.958 91.68 31.71 0431 23.24 92.03 25.12.71 0501 25.12.71 0538 26.74 92.51 32.51 0611 25.18 0611 25.19 0706 25.35 92.51 10 0708 25.35 92.53 92.53 0802 25.30 92.00 92.53 0802 25.27 90.45 1030 1030 MIA 1030 MIA 1030 MIA

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

470/22

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NOTE: Label full degrees according to location of flight area