1990101011-LPS

E.2 Lead Project Scientist (On-Board)

E.2.1 Preflight

- 1. Participate in general mission briefing.
- 2. Determine specific mission and flight requirements for assigned aircraft.
- 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.
 - 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
 - Confirm from OAO flight director/meteorologist that satellite data link is operative (information).
- Confirm camera mode of operation.
 - Confirm data recording rate.
 - 4. Complete Form E-2.

E.2.3 Postflight

- Debrief scientific crew.
- 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.]
- 4. Obtain a copy of the 10-s flight listing from the OAO flight director. Turn in with completed forms.
 - 5. Determine next mission status, if any, and brief crews as necessary.
 - 6. 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

On-Board Lead Project Scientist Check List

Date 10 Oct 1990 Aircraft NOAA 43 Flight ID 901010 I

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A. Participants

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	HRD		OAO
Function	Participant	Function	Participant
Lead Proj. Sci. Cloud Physics Radar Doppler Photographer Omegasonde AXBT/AXCP	BURPEE MARKS FRANKLIN	Flight Director Pilots Navigator Sys. Engr. Data Tech. El. Tech. Other	DAMIANO TICKNOR KENNED NAKUTIS LENO LYNCH GONZALEZ
Take-Off /6 <i>5</i> 9	Location 442 MIA	Landing 014605	Location 52 MIA
Past and Foreca	st Storm Locations		
Date/Time	Latitude Longi	tude MSLP	Max. Wind
11 /11/22	24º 20'N 8202	1/1/	

10/1026 Z	24 30 N	BJ 26W		
16/11432	24°45'N	82°36'W		
10/13102	24°50'N	82°50'W		
10/17482	25°03'N	82°36W	994	
10/2044	25°35'N	82°40'N	993	
10/2357	26°09'N	82°27'N	993	
Mission Driefin				

C. Mission Briefing RECON FLIGHT TO T.S. MARCO

Form E-2 Page 2 of 5

D. Equipment Status

Equipment	Pre-Flight	In-Flight	Post-Flight
Aircraft	~	~	V
Radar			
Cloud physics	NA		
Data system			
Omegasondes	~		
AXBT/AXCP	NA	NA	
Doppler			
Photography			

REMARKS: Reconnaissiance flight in Marco first test of evorkstation on NOAA 43 very successful demonstration of rodas reflectivity compositing and ODW editing and coding.

Form E-2 Page 3 of 5 COT 1 0 1990

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E. I. Proposed Flight Pattern (sketch or designate by number)





Form E-2 Page 4 of 5

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OCT 1 0 1990

Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes of ϕ and λ .



Note: Label full degrees according to location of flight area.

Form E-2 Page 5 of 5

Lead Project Scientist Event Log

			17.5.4
Time	Event	Position	Comments

Form E-2 Page 4 of 5

Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes of ϕ and λ .



Note: Label full degrees according to location of flight area.

Form E-2 Page 5 of 5

Lead Project Scientist Event Log

	Fiigh	L	
Time	Event	Position	Comments
	1		