189092111-LPS

E.2 Lead Project Scientist (On-Board)

E.2.1 Preflight



- Participate in general mission briefing.
- 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

- 1. Confirm from OAO flight director/meteorologist that satellite data link is operative (information).
- 2. Confirm camera mode of operation.
- Confirm data recording rate.
- 4. Complete Form E-2.

E.2.3 Postflight

- 1. 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 2135789

Aircraft N4312F Flight ID 8909211

1989092121-LPS

A. Participants

		HRD		OAO								
	Function	Participa	nt	Function	Participant							
	Lead Proj. Sci.	JALILLOUG	24137	Flight Director	PARRISH							
	Cloud Physics	PACLET	1	Pilots P	HILLIPS BORN /T	<u>FIC</u> L<						
	Radar	DOIZST		Navigator	SECTAN							
	Doppler			Sys. Engr.	ROLES							
	Photographer			Data Tech.	LYNCH							
	Omegasonde		<u></u>	El. Tech.	GONZALE	55						
	AVDTANCO			Other								
	Take-Off	Location	MIA L	anding	Location							
В.	Take-Off Past and Foreca	Location ast Storm Locati	MIA L	anding	Location							
В.	Take-Off Past and Foreca Date/Time	Location ast Storm Locati Latitude	MA L ons Longitude	anding MSLP	Location Max. Wind	d						
B.	Take-Off Past and Foreca Date/Time	Location ast Storm Locati Latitude 29.5	MA L ons Longitude	anding <u>MSLP</u>	Location Max. Wind	d						
B. . /1600 AD	Take-Off Past and Foreca Date/Time $\frac{2x/16}{22/00}$	Location ast Storm Locati Latitude 29.5 31.3	MA L ons Longitude 77.0	anding <u>MSLP</u>	Location Max. Wind	d						
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B.	Take-Off Past and Foreca Date/Time $\frac{21/16}{22/12}$ $\frac{23/00}{23}$	Location ast Storm Locati Latitude 29.5 31.3 34.2 37.7	MIA L ons Longitude 77.0 78.8 81.3 79.5	anding <u>MSLP</u>	Location Max. Wind	d						

C. Mission Briefing

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Form E-2 Page 2 of 5

3

D. Equipment Status

Equipment	Pre-Flight	In-Flight	Post-Flight
Aircraft	10	\wedge	1
Radar	\uparrow	1	n
Cloud physics	1	1	1
Data system	\uparrow	1	1
Omegasondes	\wedge	7	7
AXBT/AXCP	NOB	1	
Doppler	\uparrow	1	T
Photography	1	an	1

REMARKS:

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Form E-2 Page 3 of 5

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

SEE ATTACHED SHEET

E. II. Actual Flight Pattern

FLEW TRIANGLES MAND WOF & WITH A FINAL NE-SKI TRAVERSE JUST BEFORE LANDFALL. 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

Date 215EP89

Flight 890921I LPS VALILLOUGHIST

Time	Event	Position	Comments
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	FLIGHT T	RACK THA	TSUPERCEDES
	EVERTH	HING.	
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230015	GI	31024	940 5LP
005747	62	310 49 /	938 JLP
0131	63	32000'	
021625	54	320081	939 SLP
032526	65	320 361	940 SLP
0353	CLIMB HEAD HOME	300 52'	
0506	REEDER	MIA	
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