

E.2 Lead Project Scientist (On-Board)

E.2.1 Preflight



Participate in general mission briefing.

- 1
- Determine specific mission and flight requirements for assigned aircraft.
- 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.
- 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).

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- 2. Confirm camera mode of operation.
- 3. 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.

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On-Board Lead Project Scientist Check List

Date 5 SEP89

Aircraft N4312F Flight ID 8909051

1989090SILLPS

A. Participants

	HRD		OAO
Function	Participant	Function	Participant
Lead Proj. Sci. Cloud Physics Radar Doppler Photographer Omegasonde AXBT/AXCP	ALLIS/WILLOUGH	Flight Director Pilots Navigator Sys. Engr. Data Tech. El. Tech. Other	DIAMIANO GENZUNGER BOCK
Take-Off 05/17	25 Location	Landing 2305	Location MIA
Past and Forecas	st Storm Locations		
Date/Time	Latitude L	ongitude MSLP	Max. Wind

C. Mission Briefing

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D. Equipment Status

Equipment	Pre-Flight	In-Flight	Post-Flight
Aircraft	T	V O	V
Radar	1	T	1
Cloud physics	1	T	\wedge
Data system	1	\uparrow	
Omegasondes	1	1	1
AXBT/AXCP			
Doppler	1	T	T
Photography			

REMARKS DECUTZED #3 ENGINE @ 17422, PIZOP LITE FLEW DIRECT JMIA ON AIRWAYS MADE Z ODWS AT 2041, 20.3 70.9 W JCH 3 Z139, 233 74.5 W) N 42RF FLEW ABBIZEVIATED MISSION IN GABRIELLE

> RECORDED PART OF I RADAR TAPE NO CLOUD PHYSICS

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

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E. II. Actual Flight Pattern

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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.

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Lead Project Scientist Event Log

Time	Event	Position	Comments
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Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes of φ and $\lambda.$



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

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Lead Project Scientist Event Log

9	Flight		LPS
Time	Event	Position	Comments
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