

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.
- _____ 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).
- _____ 2. Confirm camera mode of operation.
- _____ 3. Confirm data recording rate.
- _____ 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. 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.

27 14 8407

On-Board Lead Project Scientist Check List

Date 21 SEP Aircraft N42RF Flight ID 070921H7

A. Participants

HRD

OA0

AL 93 POSSIBLY TO BECOME
JERRY

OR
TD 10

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>GAMACHE</u>	Flight Director	<u>FLAHERTY</u>
Cloud Physics		Pilots	<u>STRONG/NEWMAN</u>
Radar	<u>GAMACHE/VALDE</u>	Navigator	<u>SIEGEL</u>
Doppler	<u>" "</u>	Sys. Engr.	<u>McMILLAN</u>
Photographer		Data Tech.	<u>HILL</u>
Omegasonde	<u>VALDE/GAMACHE</u>	El. Tech.	<u>OLNEY</u>
AXBT/AXCP	<u>GAMACHE</u>	Other	

Take-Off	Location	Landing	Location
<u>125442</u>	<u>MACDILL</u>		

B. Past and Forecast Storm Locations

Date/Time	Latitude	Longitude	MSLP	Max. Wind

C. Mission Briefing

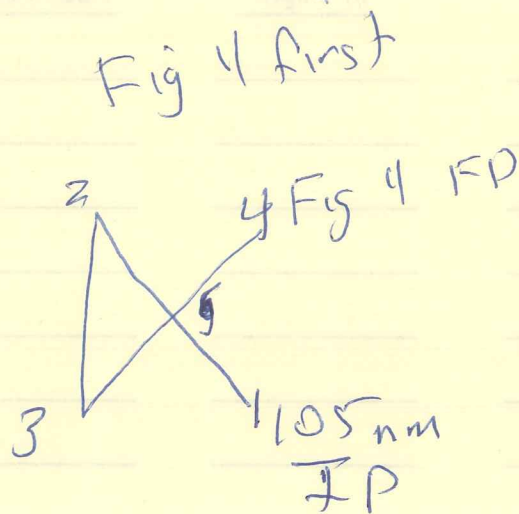
D. Equipment Status

<u>Equipment</u>	<u>Pre-Flight</u>	<u>In-Flight</u>	<u>Post-Flight</u>
Aircraft	_____	_____	_____
Radar	_____	_____	_____
Cloud physics	_____	_____	_____
Data system	_____	_____	_____
Omegasondes	_____	_____	_____
AXBT/AXCP	_____	_____	_____
Doppler	_____	_____	_____
Photography	_____	_____	_____

REMARKS:

28.5 85.5

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



followed by
OCEAN WINDS
ZIG ZAGS

E. II. Actual Flight Pattern

2.28 2.85

Lead Project Scientist Event Log

Date SEP 21 2007 Flight 070921H1 LPS GAMAREAL

Time	Event	Position	Comments
132754	SONDE/BT	27°22' 84°17'	SONDE FASTFALL SONDE
132955	SONDE	27°27' 84°16'	SONDE (1)
141450	FIXING	29°30' 85°22'	CIRCLING TO FIX
141802	SONDE/BT	29°36' 85°35'	BT NO GOOD
			PATTERN CHANGE
			DOING NE CORNER
			FIRST NO NW CORNER
			DUE TO FLIGHT RESTRICTIONS
			88D SHOULD GET IT.
145517	SONDE/BT	28°57' 84°2'	SONDE/BT 28.1°C
	NE CORNER		SURFACE 30KTS/182°
1509	SONDE	28°14' 84°29'	OCEAN WINDS SONDE = 35 KTS
1516	SONDE	27°54' 84°41'	OCEAN WINDS
1527	TURN		FROM 210 to 090
			OCEAN WINDS LEAVEST
1534	TURN	27°22' 84°27'	TRACK HEADING BACK TO 215
1544		26°56' 84°48'	TURN TO 330
163550	SONDE/BT	29°5' 85°57'	SWERMOST SONDE/BT
			BT 28°C
173013	SONDE BT	29°39' 86°2'	BT 28°C
174000	WEST MOST	29°38' 87°19'	

TURNING S.

0206 25 KTS

303 7 KTS 291 11

IP
28.1°C
on BT#1

35 KTS
SSW
0206 25 KTS

6 around
2930
8530

Lead Project Scientist Event Log

LPS Camacho

[illegible]