0509124

## Lead Project Scientist

Preflight	
01 1 1. E	Participate in general mission briefing.
2.	Determine specific mission and flight requirements for assigned aircraft.
3.	Determine from field program director whether aircraft has operational fix responsibility and discuss with AOC flight director/meteorologist unless briefed otherwise by field program director.
4.	Contact HRD members of crew to:  a. Assure availability for mission.  b. Review field program safety checklist  c. Arrange ground transportation schedule when deployed.  d. Determine equipment status.
5.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
5.	Meet with AOC flight crew at least 2 hours before take-off for crew briefing. 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).
7.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
7.	Make sure each HRD flight crew members have life vests
7.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
8.	Collect "mess" fee (\$2.00) from all on-board HRD flight crew members.
In-Flight	
2 1.10	Confirm from AOC flight director that satellite data link is operative (information).
2.	Confirm camera mode of operation.
3.	Confirm data recording rate.
<u> </u>	Complete Lead Project Scientist Form.
5.	Check in with the flight director to make sure the mission is going as planned (i.e. turns are made when they are supposed to be made).
Post flight	
1.	Debrief scientific crew.
2.	Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.
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 AOC flight director.]
4.	Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
5.	Obtain a copy of the radar DAT tapes. Turn in with completed forms.
6.	Obtain a copy of the all VHS videos form aircraft cameras (3-4 approx.). Turn in with completed forms.
7.	Obtain a copy of CD with all flight data. Turn in with completed forms.
8.	Determine next mission status, if any, and brief crews as necessary.
9.	Notify MGOC as to where you can be contacted and arrange for any further coordination required.
10.	Prepare written mission summary using Mission Summary form (due to Field Program Director a week after the

### Lead Project Scientist Check List

Storm or Project FFX/OPHELIP Experiment name Ocean Winds Date 9/12/05 Aircraft 42RF Flight ID 050912 M
A Porticipants

### A. Participants:

HR	D	A sample of religious A	1OC
Function	Participant	Function	Participant
Lead Project Scientist	MiBlack	Flight Director	ack Parrist
Radar P	P. Charge	Pilots Kenn	edy, markson
Workstation	P. Dodge	Navigator Tom	
Cloud Physics		Systems Engineer	vade/Best
Photographer/Observer /Guests	essere province a consultante de la consultante del consultante de la consultante del consultante de la consultante de l	Data Technician Solution Solut	an momillan
Dropwindsonde	M. Black	Electronics Technician	1 13611 190
AXBT/AXCP	MiBlack	Other O. Chan	9 x3 NesMI
B. Take-off and Landing Times and Locations:  Take-Off: 182 UTC Location: Mac Pill Tag Chy			
Landing:UTC	C Location:		
Number of Eye Penetrations: 3			

#### C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
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	- Hallestin	or I down to promit implify	time (IS to being a to the b	

D. Mission Briefing: 4/6 Ft, 1/P at Borry 42609,
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Marke work rain/wind area for P. Chang in corre
brows 21 2 fix Ros Cancah - 210-15 sander
41002 G AXBTS, TS ~ 76 ft F/t-(v1- GO IST BRC
41003 SFM & mapping - weetch closel

## E. —Equipment Status (Up ↑, Down ↓, Not Available —, Not Used O)

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / Cds /Expendables/ Printouts
Radar/LF	2			The second
Doppler Radar/TA	0		1117086	
Cloud Physics			P-2-3   Q	LA TAL
Data System			100	1919
GPS sondes			261-150	S. Leelle
AXBT/AXCP		S I DOW		1331-136
Ozone instrument	Anthora S		None in	DOM:
Workstation	6		MARINE	to all
Videography			Aurent 1	P. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.

### **REMARKS:**

# Lead Project Scientist Event Log

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	1904	Over Bun	28.80	8018 20Rts 1	
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	2053	100 Pr		K CTI	
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	60 RH J	PC, - 50	013 17-101
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233304	Sturt 10	otheren	
233806	End 10.	the run,	Climbto 12,000A)
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903/	Lando		
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