# **Lead Project Scientist**

Preflight				
1.	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				
1.	Confirm from AOC flight director that satellite data link is operative (information).			
2.	Confirm camera mode of operation.			
3.	Confirm data recording rate.			
4.	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			
MANAGER A	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 flight).			

### Lead Project Scientist Check List

Date <u>070927</u>	Aircraft	42 <b>CF</b> Flig	9ht ID 070927H NOAA2 02	12A Karan		
A. Participants:			to the part contrary			
	HRD		AOC			
Function	Particip	ant Function	on	Participant		
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Workstation	R Black	Navigat	or	Gallagher		
Cloud Physics	e de laga <del>ma do Caga inga</del>	Systems	Engineer			
Photographer/Obse	erver	Data Te	chnician	B.,		
Dropwindsonde	ang bas <u>antara dalikan</u>	Electron	nics Technician	- · · · · · · · · · · · · · · · · · · ·		
AXBT/AXCP		Other	ines recimienan			
B. Take-off and Landing Locations:  Take-Off: 0734 2 Location: Barbadas  Landing: Location: Barbadas  Number of Eye Penetrations:  C. Past and Forecast Storm Locations:						
Date/Time	Latitude	Longitude	MSLP	Maximum Wind		
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## D. Mission Briefing:

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

Equipm	ent	Pre-Flight	In-Flight	Post-Flight	# DATs / Cds /Expendables/ Printouts
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Doppler	Radar/TA				
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### Lead Project Scientist Event Log

Date 070927 Flight 0709274 LPS Aberton

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