6082941 TS, Ernesto Preflight Participate in general mission briefing. Determine specific mission and flight requirements for assigned aircraft 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. Contact HRD members of crew to: Assure availability for mission. Review field program safety checklist b. c. Arrange ground transportation schedule when deployed. Determine equipment status. Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing. 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. Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami). Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times. Make sure each HRD flight crew members have life vests 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 Confirm from AOC flight director that satellite data link is operative (information). Confirm camera mode of operation. Confirm data recording rate. Complete Lead Project Scientist Form. 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 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

HRD			AOC		
Function	Participa	ant Function	on	Participant	
Lead Project Scien	ntist Leight	Flight I	Director	Mi Mayea	
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Workstation	Leigh	Navigat	or	1. Skon JEIR	
Cloud Physics	heigh		Engineer 2	Lippe Jaldi	
Photographer/Obse	erver		chnician	Wippel	
Guests	NA			5, minile	
Dropwindsonde	Leigh	Electron	nics Technician	Reph / O	
AXBT/AXCP	NIA	Other	ation of real property		
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Lead Project Scientist Check List

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

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / Cds /Expendables/ Printouts
Radar/LF	19	1		
Doppler Radar/TA	V. 1	1	the what the	23.4.2
Cloud Physics	NAV	Control of the second	P. Sabake 193	F9W(7)/
Data System	1	1-	Sp report	1 17 27
GPS sondes	1,1	7	A plantific	S. L. P. May
AXBT/AXCP	N/A 1	31 3 31 1		04194
Ozone instrument	N/A 1			co. In
Workstation	VI	7		BW-III 10
Videography	v q	9	1292 183	120/114

P	F	1	TA	P	RK	C
		IV	<b>I</b>			

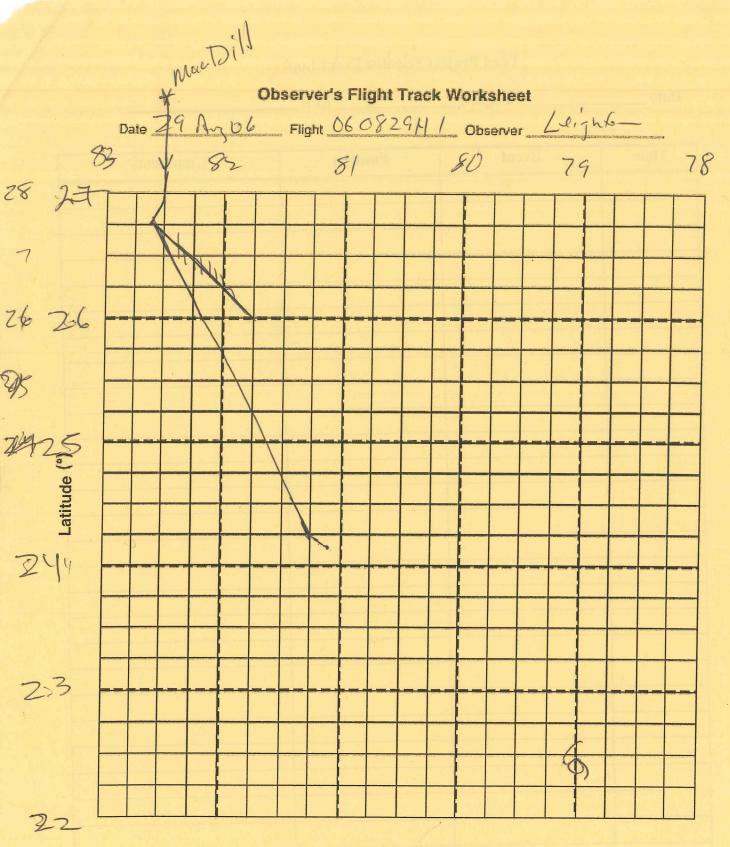
## Lead Project Scientist Event Log

Date 29 Ago 6 Flight 060829 HI LPS P. Leighton

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Time	Event	Position Position	Opin Comments
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Longitude (°)

## Mission Summary Storm name YYMMDDA# Aircraft 4\_RF

Scientific Crew (4 RF) Lead Project Scientist \_\_\_\_\_ Radar Scientist Cloud Physics Scientist\_\_\_\_\_ Dropwindsonde Scientist\_\_\_\_ Boundary-Layer Scientist\_\_\_\_\_ Workstation Scientist\_\_\_\_\_ Observers Mission Briefing: (include sketch of proposed flight track or page #) Mission Synopsis: (include plot of actual flight track) Evaluation: (did the experiment meet the proposed objectives?) Problems: (list all problems)

Too work for I prosent Landle 1/ 8 franciste c Expendables used in mission: GPS sondes : \_\_\_\_\_ AXBTs:

Sonobuoys: \_\_\_\_