M, Bleck Lead Project Scientist AC Pre-genesis 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. h Review field program safety checklist 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). 1. 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 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. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from 3. 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.

Obtain a copy of the all VHS videos form aircraft cameras (3-4 approx.). Turn in with completed forms.

Notify MGOC as to where you can be contacted and arrange for any further coordination required.

Prepare written mission summary using Mission Summary form (due to Field Program Director a week after the

Obtain a copy of CD with all flight data. Turn in with completed forms.

Determine next mission status, if any, and brief crews as necessary.

6.

7.

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10.

flight).

Lead Project Scientist Check List

Storm or Project IFEX/TCSP Experiment name Date 7/15/05 Aircraft 43 Flight ID 0507/51 A. Participants:					
HRD AOC					
Function		oant Function		Participant	
Function Participant Function Participant Lead Project Scientist Radar Podge Workstation Cloud Physics Photographer/Observer /Guests Dropwindsonde AXBT/AXCP B. Take-off and Landing Times and Locations: Take-Off: 0455UTC Location: Take-Off: 0455UTC Location: Number of Eye Penetrations: Participant Function Participant Flight Director Many Mayeaux Pilots Participant Flight Director Many Mayeaux Pilots Participant Flight Director Many Mayeaux Poloty Systems Engineer Data Technician Data Technician Many Raggers Other Student Number of Eye Penetrations: December 1058 C. Past and Forecast Storm Locations:					
Date/Time	Latitude	Longitude	MSLP	Maximum Wind	
_					
D. Mission Briefing: 14,000 Rt Survey pattern between Costa Riccy + Acapaleo, Identical pattern to N&2 Eright 12 hours Conher See attached map. ~ 20 sondes, 7 ABBTS see attached a conventue module					

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

	Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / Cds /Expendables/ Printouts
	Radar/LF				* -
	Doppler Radar/TA				
	Cloud Physics				
	Data System				
	GPS sondes	A war y			
Ī	AXBT/AXCP				
T	Ozone instrument				
T	Workstation				
	Videography				

REMARKS:

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Lead Project Scientist Event Log

Date 7/5/05 Flight 0507151 LPS M B lack

20 th

Time **Event Position** Comments

Lead Project Scientist Event Log

Date 7/5/05 Flight 0507/51 LPS MR R A

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Lead Project Scientist Event Log

Date 7/5/05 Flight 0507/5L/ LPS/M / Lead Project Scientist Event Log

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056715I EPAC/AREX 05075 @ T/o from MROC FLT#2 IPS: M. Block SNDS: K Valde 65734 100 93011 P. Dodge Aphysics : Aaron ? Buck Up Sonde 1)BS: ED ZIPSER, BRANDON _ 703 - 705 rador + 1 07-0855 10° 94°01 " SND 0456 T/O GA 4224 M 72241 10.01 95°02 AND 558 10° B9°03' SND#1 0613 10° 90° 6' 4227 m SND# % 62715an6 58 yetq, 19010 SND #5 73607 100 96°01 Swee nouve echo mous but shillow 74917 turn to head N 750:35 SONDE BT bull3 SMD 10.07/ 97:01:11 64239 Back Up 90591 92871 1757 Swapping redom DOI Pader floze 100 93° SHTUB 42 110 970 SMD

