#### Lead Project Scientist

Date 8/28/2 Storm or Project Ida Mission ID

Flight ID 2021082841 Experiment name

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<del></del>	_	
Ш	1.	Participate in general mission briefing.
Ш	2.	Determine specific mission and flight requirements for assigned aircraft.
	3.	Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibility and the mission designation.
	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.
	6.	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.
	7.	Report status of aircraft, systems, necessary on-board supplies and crews to Field Program Director.
	8.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
	9.	Make sure each HRD flight crew member has a life vest.
	10.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
In-Fli	ight	
$\Box$	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 made when they are supposed to be made).
Post-f	light	
П	1.	Debrief scientific crew.
	2.	Gather completed forms for mission and turn in to data manager at HRD.
	3.	Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
	4.	Obtain a copy of the radar DAT tapes. Turn in with completed forms.
	5.	Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.
[Note: al	l data ren	noved from the aircraft by HRD personnel should be cleared with the AOC flight director.]
	6.	Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to Field Program Director
	7.	Determine next mission status, if any, and brief crews as necessary.
	8.	Notify Field Program Director as to where you can be contacted and arrange for any further coordination required.
	9.	Prepare written mission summary using Mission Summary form.

# Lead Project Scientist Check List

Storm	or	Projec
Storm	OI.	rioler

Experiment name

Fli	ght	ID

Mission D

### A. Participants:

		_	
Function I	Participant	Function	Participant
Lead Project Scientist	NS	Flight Director	
Radar	1	Pilot	
Workstation		Pilot	
Cloud Physics		Navigator	
Dropsonde J, Elmy		Systems Engineer	
		Data Technician	
Dropsonde		Electronics Technicians	
AXBT/AXCP			
Observer/Guest		Flight Engineer	
Observer/Guest	and the second of the second o		

В.	Take-off	and	Landing	Times	and	Locations:
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Take-Off:UTC	Location:
Landing:UTC	Location:
Number of Eve Penetration	ons:

# C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
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/				
1				
/				
/				

### D. Mission Briefing:

-	Storm or Project	Experiment name
	Flight ID	Mission ID

# E. -Equipment Status (Up U, Down D, Not Available N/A, 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				
AXBT/AXCP				
Ozone instrument				
Workstation				
Cameras				

REMARKS:

# Lead Project Scientist Event

Date

Flight ID

LPS

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Flight ID

LPS

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Flight ID

LPS

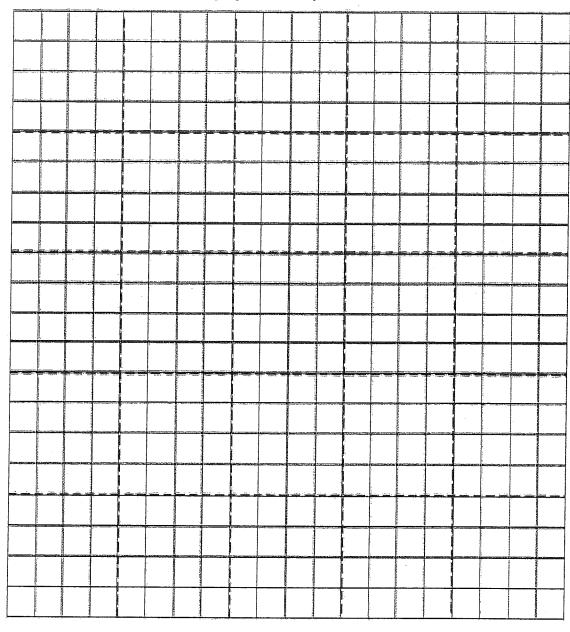
Time	Event	Position	Comments
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Date

Flight

Observe

Use highlighter to draw freehand on chart



Longitude (°)

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#### Mission Summary

Scientific Crew (4 RF) Lead Project Scientist Radar Scientist Cloud Physics Scientist Dropwindsonde Scientist Boundary-Layer Scientist Workstation Scientist Observers (affiliation) 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) Expendables used in mission: Deployed Good Bad GPS sondes: AXBTs:

Sonobuoys:

UAVs