Lead Project Scientist

Date 8/28/2 | Storm or Project John Mission ID

Flight ID 2021082841 Experiment name 70C

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Pre-fli	ght	
	1.	Participate in general mission briefing.
H	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-Flig	ght	
	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-fl	ight	
	1.	Debrief scientific crew.
	2.	Gather completed forms for mission and tum 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: all	data rem	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

Flight ID		······································	Mission ID	grand,	^
A. Participants:					
Function	, Partici	pant	Function	n	Participan
Lead Project Scien	itist Euges	Cillida - Adinasa-	Flight Dir	ector	
Radar	3 ·		Pilot		
Workstation			Pilot		
Cloud Physics			Navigator		
Dropsonde J:	Zhowa	٠	Systems F	Ingineer	
Dropsonde	J		Data Technician		
AXBT/AXCP			Electronic	s Technicians	
Observer/Guest		•			
Observer/Guest			Flight Eng	gineer	
3. Take-off and La Cake-Off:U Landing:U Lumber of Eye Pene C. Past and Foreca	JTC Location: _ UTC Location: _ etrations:				
Date/Time	Latitude	Lor	ngitude	MSLP	Maximum Wind
/					,
/		<u> </u>			
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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.				4.4
Cloud Physics				
Data System			 	1
GPS soudes				
AXBT/AXCP				
Ozone instrument				Linguis .
Workstation				
Cameras				

REMARKS:

Time	Event	Position	Comments	
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2045	drug 1, 2,71		formander 29.80	
2057	dnp 2, BT2	NE mid	24.5	**
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2106	JADU, BT3	Z POAR THE	ME WORL	
210-1	019D Z.	ZM FORE SITE	NE	
2113	contractob			
2118	LOD 7		5w	
2119	Win 8. 13T 4	214 00.18	3W 29,7	
2120	Mass 4	300 10014	sw.	**
7197	1 200 10, 157 5	sw wid	29.5	
2140	drac 11	sw end		
2210	1 1/12	5 eval	bean in bound loa	
2219	drd 13, 876	5 mid	29,3	
2229	DODINIBT 7	SAM	29 ih	
2233	A100 15	conten	9708 145/14	
1236	drall BT8	NEWW	89.8	
2247	drip17 BT9	N mid	29,9	
2259	drop (8, BT 10	Nevd	30.3	
2315	trop(8, BT 10	polyrimmed	stort stratespical.	
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	A100 20(had			
2353	Arop 21, 5111	Dirumusb WM	29.9	
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Flight ID

LPS

Time	Event	Pesition	Comments
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0017	Inp 23 BT 13	wid	79.8
0629	drug 24 1811	WENW	No SST
0033	1 LIOP 25	M FWMM3	*
0035	0400 26	router NE-RMW	967.2130/10
BA UT	100027	NE-RMW	
0049	drop 28,15715	NEWA	
0050	dopza	US, Mill Colone	ρ
0101	100 TO, 151 16	NI and	NO SST
0157	[cond	KLAL	
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Flight ID

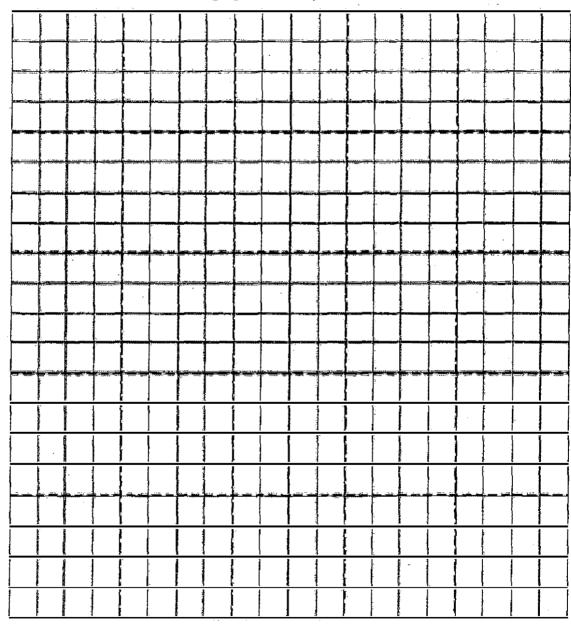
LPS

Time	Event	Position	Comments
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171.44

Obsours:

Use highlighter to draw freehand on chart



Longitude (*)

Laditude (*)

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: Good Bad Deployed GPS sondes: AXBTs: Sonobuoys:

UAVs