## Lead Project Scientist

Date 10/5/20
Storm or Project 75 Delta
Mission ID

Flight ID 20 1005 D( Experiment name NHC F.X

## Pre-flight

	1.	Participate in general mission briefing.
	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.
9	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	
П	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	light	tambiés es i un companyo de la comp
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: 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

Storm or Project De Ha

Experiment name WHCF

Flight ID 70 (005]

**Mission ID** 

# A. Participants:

Function	Participant	Function	Participant
Lead Project Scien	ist Rogers, Dunion	Flight Director Lundy	
Radar Rugers		Pilot Rossi	
Workstation (Wo	yers	Pilot Poremus	
Cloud Physics R	uzers	Navigator Fremon	
Cloud Physics R Dropsonde Rog	ers, Dunion	Systems Engineer	
Dropsonde		Data Technician Richer	ds, McHlister
AXBT/AXCP		Electronics Technicians	
Observer/Guest			
Observer/Guest		Flight Engineer	

B. Take-off and Landing	Times and	<b>Locations:</b>
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Take-Off:	_UTC	Location: _			_
Landing:	_UTC	Location: _		-	_
Number of Eye Pe	netratio	ons:			

#### C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
1	Sage: 100			
1	100 The William All		Free water to provide a face of	
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## D. Mission Briefing:

Flight ID

LPS Rogers, Durin

Time	Event	Position	Comments
1658	takeoff		
1734	drap 1	off SWPL coas	-
1756	drop 2	Not Couba	
1844	drap3	Sof Cula, 19	95'80° 49'
1907	pattern,	Sof Cuta, 19 out IP, 105 nn Nu	scater
	July A	·	
1921	daps	midpt drop 16	49 80 05
1925	065	strotalead, son	
	The second secon		es to essi
		Fight of plan	
1940	drop6, enter	- 1-1	
1956	arop 7	MYPT SE 1526	
2009	drap 8	endpt SE 1486	77.53
2036	grap 9	downwidles	16 2 786
2049	065	downwideg	rador analysis orang
			Great base stones
-		Shellow	· ·
		1 femalt	
	1		ly above that
2104	d no 10	endpt NE	144 (20°C)
2116	01001		44 7856
2122	0 01	PMW NT 16	
2125	drop 13, center	center 1695	
There	dropin	BWM SM 160	10'79 23' FL 78 m/s
2115	onels		
2155	drof 16	empt sw 14	891,800381

Flight ID

LPS

Time	Event	Position	Comments
7228	drop 17	SE endpt	1506 780151
2239	8) 400	SE Milpt	15040' 78050'
2252	drop 19	SE RMIN	16 20 79 28
2256	drup 20	confer	16°26' 79°30'
2258	drop 21	NN HWW	16932' 79037'
2308	drop 22	Numid	1705' 80008'
2319	drup 23	No ondof	1703 3/ 80 87'
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