Lead Project Scientist

Storm		
_		20180708H2 Mission ID NOAA 2 0503 T
Preflig	ght	CHR15
	1	Participate in general mission briefing.
	2.	Determine specific mission and flight requirements for assigned aircraft from the Field Program Director.
	3.	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.
	4.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
	5.	Determine from AOC flight director the mission designation and whether aircraft has operational fix responsibility
	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 drops.
	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.	Request AOC flight director to leave radar in non-sector mode for initial Figure 4.
	5.	Once at IP, request AOC flight director adjust radar tilt to minimize sea clutter.
	6.	Complete Lead Project Scientist Form.
	7	Check in occasionaly 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 turn in to data manager at HRD.
	3.	Obtain a copy of the Dropsonde raw and processed files from the AVAPS operator on thumb drive.
	4.	Obtain a copy of the radar LF files from the radar technician on thumb drive.
	5.	Obtain a copy of the tar'ed radar TA files from the radar scientist on thumb drive.
	6.	Obtain a copy of serial flight data and raw NetCDF file on thumb drive from the data technician.
	7	Obtain a copy of SFMR data on thumb drive from the data technician.
	8.	Obtain a copy of DMT data on thumb drive from the data technician.
	9.	Report landing time, aircraft, crew, and mission status to the Field Program Director.
	10.	Determine next mission status, if any, and brief crews as necessary.
	11.	Prepare written mission summary using Mission Summary form.

Lead Project Scientist Check List Storm or Project TS CW15 Experiment name TDR

Flight ID 20180708 # Z Mission ID NOAA 2 0503A CHR 15 A. Participants: HRD AOC **Participant** Function **Function Participant** Lead Project Scientist Flight Director Radar/Workstation **Pilots** Navigator Fær mas Cloud Physics Systems Engineer Data Technician Dropwindsonde Electronics Technician AXBT/AXCP Other blings Photographer/Observer Brid s/Guests B. Take-off and Landing Times and Locations: Take-Off: 2332 UTC Location: LAC Landing: ____UTC Location: ___LA[Number of Eye Penetrations: _____

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
07/08/19382	32.6	74.6	100	
,				

D. Mission Briefing:	12 1-01			721
see Figur	reg text file	es also Chitale	(Name of	70 min
Figure & Sa	JDKV Plus	high admidde		
	at 105 nm legs			

160 45 mm



option 2 grown 2 roll own

Storm or Project TS Chris	Experiment name 1DR
Flight ID 20180708 H2	Mission ID NOAA2 0503A CHRIS

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

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF	V			
Doppler Radar/TA		V		
Cloud Physics	/	V		
Data System		~		
GPS sondes		V		
AXBT/AXCP				
Ozone instrument				
Workstation		V.		
Cameras		dark		

REMARKS: Bh flight delay
21:40 — engine 2 deice valve problem return to fix
22:00 — fixed deice valve & found oil leak
23:17— fixed oil leale ready to go
Change Plan to Just do Figure 4 and scratch circumia

Lead Project Scientist Event Log

Date 7/8/18 Flight ID 20180708 H7LPS Ching sphersen

Time	Event	Position	Comments
2332	TO	LAZ	3 h delay
2355	StartIDR		0
2044	Start descent	to IP	WSRA working
0058	16	32.5 76,6	Drop# 1 00
013/46	6)	32,5-74,5	MMR has interestin
			blanked out area
015030	(2)	37,5 -72,3	
0.01	<u></u>	-113 -71/5	where no white spla
0232	(3)	34.4 -74.5	justecho
1301	6	32.4 -74.4	drifted slightly
0501	9	32.4 -74.4	drifted slightly
032890	(IF)		V
0 520 10	7		

Observer's Flight Track Worksheet

Flight 208048#Z Observer Marks

Observer Marks

A company of the company of

Longitude (°)