Lead Project Scientist

Storm	or P	roject Gordon Experiment type NHC lasting		
Flight	ID_	2018 0 G 0 4 H 2 Mission ID		
Preflight				
	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-Fli	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.		
1	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	light			
1	1.	Debrief scientific crew.		
V	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	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.		
5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7.	Obtain a copy of SFMR data on thumb drive from the data technician.		
1	8.	Obtain a copy of DMT data on thumb drive from the data technician.		
1	9.	Report landing time, aircraft, crew, and mission status to the Field Program Director.		
1	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_	Gordon	Experime	Experiment name NHC Tasking		
Flight ID	8090442	Mission ID	Mission ID 0607A Gordon		
A. Participants:					
	HRD	in a line	AOC		
Function	Particip			Participant	
Lead Project Scient	ntist Christophe	rsen Flight D	irector	Ian Sears	
Radar/Workstation		Pilots		Price Abitbul	
		Navigat	or	Richards	
Cloud Physics		Systems	Engineer	Heystek/Sanchez	
	= -	Data Te	chnician	Mascaro	
Dropwindsonde	Hazelton	Electron	Electronics Technician		
AXBT/AXCP Photographer/Obs s/Guests	server	Other	Avays Operator	: Underwood	
	anding Times and UTC Location:	- 1		Territoria de la companya della companya della companya de la companya della comp	
	Landing: NOS UTC Location: AL				
Number of Eye Per					
C. Past and Forec	ast Storm Location	ns:			
Date/Time	Latitude	Longitude	MSLP	Maximum Wind	
- *			Part of the	To a	
		T DA			
			78 11 11 11		

D. Mission Briefing:

NHC Tasking; mainly Longet for 2300 UTC fixes, along with an alpha pattern

(aka figure - 4 pattern). If NHC releases us from the mission, potentially perform offshere Intense connection module and SFMR circles.

Storm or Project Gordon	_ Experiment name_	NHC	Tasking
Flight ID 2018 0 904 142	_Mission ID		
E - Equipment Status (Up 1 Down 1 No	ot Available N/A. Not I	Ised (O)	

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF	1			
Doppler Radar/TA	1			
Cloud Physics				
Data System	1			
GPS sondes	1			
AXBT/AXCP				
Ozone instrument				
Workstation	1			
Cameras	1			

REMARKS:

Lead Project Scientist Event Log

Date Flight ID 20180904HZ LPS Ohnstopherson

Time	Event	Position	Comments
21:50	Some crack on the	utside of the plane,	easy fix
2211	Take off		
2220	Gordon on wsr8	eo radar shown a bi	roading of the convection
	close to center.	FIFT YEAR	0
2300	TP, descend to	lokft	
2311	Drop 1. SE end		
2336	29°42! 87°52'	center drop	
2347	NE track 45°, D	1003	
3929	25, 823, 0	1004 center dro	2
		noved NEabit from	
	SFMR nut record	of getting surface u	inds be close to land?
	Mike said it still	records brightness to	mpe rature
0034	Drop 5 end pr	+	
0100	prop 6, center	drop. 29°59° .88	703'
0103	Prop 7, max	wind band drop	
0110		NE side of the s	born
	Just south of Re	nsacula	
2/14	18kt from the 1	ast drop (Form:	(an)
0118	max wind sonde		
1122	center drop.,	80° 1. 88°7! Prop	7
0149			back in track 90°
0/54	30071088141	center drop. Dro	, 10
6217.	some tokm ec	nos to the NE sid	le of storm. + tight
	level winds 50		
0219	30°7 88°1° C	exter drop 2000	16
0248	Track 770°	st passes	
200	Froh Go	14,20000 127	



@ ***

Surface pressure 1000; unds 23 kt @ 145° titled storm



Lead Project Scientist Event Log

Date ______Flight ID 20180904HZ LPS Christophersen

Time	Event	Position	Comments
0313	3018'88°27' #	of mark center	SFOF
	Looks the the	Home wade land f	all near that point
0345	Furn back to tra	ek a rainband for	offs have convection much
0355	30'15 87'7'	~ 10 miles at the 1.	
	the rainband	Plane track 139	0
0355	3012°. 87°7'	Prop 11 Sonde O	for the module
8280	303' 8702'	Drop17 Sond &	for the module
0402	29°53' 8651°	Drop13. sonal &	forthe module
	Module was con	aducted just south	of pensaule of
	Fhash warnin	has been issued for	r He onea.
0407	end the modul		
	climb up and	en vt home	
		7.5	
,			
		*	

Mission Summary Storm name YYMMDDA# Aircraft 4_RF

111111111111111111111111111111111111111
Scientific Crew (4 RF)
Lead Project Scientist Christophersen
Radar Scientist
Cloud Physics Scientist
Dropwindsonde Scientist Hazelton
Boundary-Layer Scientist
Workstation Scientist
Observers (affiliation) Change NESDIS Sapp (NESDIS)
De Solo (Emerry).
Mission Briefing: (include sketch of proposed flight track or page #) Left was the plan often deboriet, Mrc adjusted pattern.
tell was the plan after deliving , who are
or state TD Look is 22) to mover then NEOUS,
Track west to the NW side of the Storm, Head accept in
center, then repeat NE > W > SE > conter > NE
Mission Synopsis: (include plot of actual flight track)
Actual track is SE side of the strom - center - NE out
Then many w>E>W passes for the center fixes.
A solute
Then plang 3 more sonder for offs have intende convection module
Trealizations (did the comparing out recent the proposed chiestings?)
Evaluation: (did the experiment meet the proposed objectives?) It is MC tosking. I believe all object are meet,
We got some chance to do a module!
Problems:(list all problems)
None
Expendables used in mission:
GPS sondes:
AXBTs:O

Sonobuoys: _____