Lead Project Scientist

Storm or Project TS Ingrid Experiment name TM/RI							
		136914H1 Mission ID					
Prefli							
	1.	Participate in general mission briefing.					
1		Determine specific mission and flight requirements for assigned aircraft.					
7	2.						
	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.					
1	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.					
V	7.	Report status of aircraft, systems, necessary on-board supplies and crews to MGOC in Miami.					
1	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	ght	of Chiefs					
	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						
	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 removed 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 MGOC.					
1 11 19	7.	Determine next mission status, if any, and brief crews as necessary.					
	8.	Notify MGOC 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

TOA 6 De

Storm or Project S Ingold Experiment name Experiment										
	Flight ID 1309 14H	(Mission ID_	Parkerser 7 or	and and					
	A. Participants:									
	HR	- Sujargeo	AOC							
	Function	Participa	ant Function	e Chileboure II	Participant					
	Lead Project Scientist Radar/Workstation	Rogers	. Pilots Navigato	r	Sears Halverson, Kibbey Bishyp, Galley Lor					
	Cloud Physics	Salara de la companya	Systems Data Tec	hnician	Lyndy Swith					
	Dropwindsonde AXBT/AXCP Photographer/Observer s/Guests	J. Zhong J. Zhong	Electroni Other	cs Technician	Insko					
	B. Take-off and Landin Take-Off: 100 UTC Landing: 100 UTC Number of Eye Penetrat C. Past and Forecast S	Location: Locati	CF CMCF	On an employed a research motion? On and the employed of the						
	Date/Time	Latitude	Longitude	MSLP	Maximum Wind					
		de de la companya de								
	December of the second	A collective tempers and	Land become a first							
	Chryster over the pollector			IN COOK VIEW						

D. Mission Briefing: Fly TOR IRI pattern into TS Ingrid. Single figure-4, IP on NEs, ele of Storm. 100 non leg leng this, Storm is close to Mx coast, so Sw patterned leg will be shortered. Conduct I rader analyses. Dup combo saide (BTs at all furn, widging, center passes. Fly attoors of, Strong is a 50-to TS, experiencing all furn, widging, center passes. Fly attoors of intersection and is forecast to become moderate Sw sheet, near land. Despite this, it is intersecting and is forecast to become haderate Sw sheet, near land. Despite this, it is intersection near outer at time of the off. A hurrage letter land fill in 72 h. Sme desprendent mean outer at time of the off.



Lead Project Scientist Event Log

Date 9 14/13 Flight ID 130914 HI LPS Rogers

Comments **Position Event** Time Kourt 0612 take of f 165 mm before Mw i magary s hows signif. 0818 20,0 ice scattering on sw side of renter at 04202, 370ft = 9512 should clear couter, perhaps everyall? Puttern 0910 FL 11m6,5F 17 mb dop! BT 20036 9455 8971 Ano 2, BT looking for center, seems 0928 further east than we tuoudut 200/94044 outer found at 10 Ht 990 No 0932 200 1 200 6943 JORS, BT FL 16,5F1626.8 S5T SW Greet 6944 pattern end outbound leg 0945 starting downwird by 43 um swof center veosity stratiform 19° 70' 95°5 155 0948 precip les end downwholes 1006 28.5 C 1932 94015, midsFL 1020 1027 94 36 030 outbound lea Earth on outlound 1038 then turn around back in esso outland les putern 1046 back into center

/ 10572 center

Lead Project Scientist Event Log

Date 9/14/3

Flight ID 1309 1411 LPS

Time	Event	Position	Comments
1057	anter trap 9		center
409	dras la	milpt out bound	FL 16, 5F 16 m/s
-00		leg	
1120	Arop 4, 40 BT		end of outbound log
1137	065	on ferry boule	some pretty dep
		lone	coweitin on
		-	nE side of counter.
1408	landera	lomef	CAND
	The second secon	4	
•			
and the way go			The state of the s
Ale-participation of			

Mission Summary Storm name YYMMDDA# Aircraft 4→RF

Scientific Crew (4RF)

Lead Project Scientist ____ Quees

Radar Scientist Cloud Physics Scientist Dropwindsonde Scientist Boundary-Layer Scientist Workstation Scientist Observers (affiliation)

Mission Briefing: (include sketch of proposed flight track or page #)
see previous
Mission Symonogic (include plot of actual flight track) Detern as we ally Houngs
Mission Synopsis: (include plot of actual flight track) pater generally flown 95
planned. Storm was further east than expected, so had to deviate to first center.
110 hast a youn sw of outer. On & and pass, out the outsand
Nos ase to That first fund around did another outer fix, and
la short at 50 mm. It for 3rd analysis Dropped 11 Fords and 10 BT's. Stormis
wentout bound to tothing better organized. Das convertingeels took to le kin on NE
Evaluation: (did the experiment meet the proposed objectives?)
planted. Horn was turbler east from expected, so had to derive to the outsould work able to get a 40 um sw of outer. On & and pass, out the outsould le short at 50 um. At that print turned around, did another outer fix, and le short at 50 um. At that print turned around did another outer fix, and le short at 50 um. At that print turned around did outer outer fix, and le should be the region 200 of something edle tops to 18 km on HE Evaluation: (did the experiment meet the proposed objectives?) It was a sequence of the start of the s
and de 18th Had to deviate ble of unexpected / on son son pass to pass to be
paired drops/Bt's. Had to deviate ble of unexpected on swings from pass to pass. Pale
of the latter of the sound have
andy 5:5 storm affects to se mens, my although vot the post that location to confirm
a allows are wal dronk
No was or problems. Occasional disposis persone of sursuear Forder i mages on real time disposis and proximity to land.
Forder i mages on real time display and proximity to land.
I from It want
Expendables used in mission.
GPS sondes :
AXBTs:
Sonobuoys:
Concouciful