Lead Project Scientist

		roject HERMINE (ALO9) Experiment name RI / LANDFALL / INTENSE RAINBAND
Flight		20160901 IL Mission ID WYWXA CYCLONE MODULE
Preflig		
	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.
	7.	Report status of aircraft, systems, necessary on-board supplies and crews to MGOC in Miami.
	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	ht	
	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 fli	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 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 ren	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 MGOC.
	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.
	Q	Prenare written mission summary using Mission Summary form

Lead Project Scientist Check List

Storm or Project HERMINE (ALO9)	Experimen	t name_RI	/ LANDFALL	LINTENSE
				RAINBAND
Flight ID 2016 0901 7 2	Mission ID_	WXWXA	CYCLONE	Module

A. Participants:

HRI)	AOC	
Function	Participant	Function	Participant
Lead Project Scientist	Zawislak	Flight Director	Williams
Radar/Workstation	ANNANE .	Pilots	00 (CC(R)* (2
Cloud Physics		Navigator Systems Engineer Data Technician	KERNS/ABITBOL GOLLAGHER LYNCH
Dropwindsonde AXBT/AXCP Photographer/Observer s/Guests	ZAWISLAK	Electronics Technician Other	MOSCARO

B. Take-off and Landing Times and Locations:

Take-Off:	1402	_UTC	Location:	Mac DILL	
Landing:	0022	UTC	Location:	Mac Duck	

Number of Eye Penetrations: 3

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
1 /15002	27.8	85.6	989mb	' GO KT

D. Mission Briefing:

TOORY WELL BE ATTEMPTING TO SAMPLE IN AND AROUND LIMBRACHE RAINBANDS ASSOCIATED WY HERMINE. THE STORM HAS BEEN STEADILY INTENSIFICATIVE MAD TRES POSSIBLE THAT WE WILL BE OUT THERE AS A HURRILIME. OUR WITHIN BUT WILL BE TO PORTURE A RAINBAND TOWNROS THE NORTH, PAINTING WY TA A ZORM AWAY FROM THE AXIS - DROP A SONNE OF THE START, MID, AND END. THEN DO NAS, EAW FIG.Y ACROSS THE CENTER, THEN ON THE WAY HURE PRINCE SIST ACROSS THE CENTER, THEN ON THE WAY HURE PRINCE SINGER MODOLE.

Storm or F	roject Hermine	(ALO9)	_ Experiment	name	21 / LANDFAL	<u>L /IN</u> TENSE MO	RAINB AND
Flight ID _	2016 6901 T2	-	_ Mission ID_	MxmxA	CYCLONE		

E. —Equipment Status	(Up ↑, Down	↓, Not Available N/A	, Not Used O)
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Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF				
Doppler Radar/TA				
Cloud Physics				
Data System				
GPS sondes				
AXBT/AXCP				
Ozone instrument		·		
Workstation				
Cameras				

REMARKS:

Mission Summary Storm name YYMMDDA# Aircraft 43 RF

Scientific	Crew	(4	RF)	

Scientific	Crew (4 RF)
Lead Project Scientis	st Zawislak
	ANNANE
Cloud Physics Scient	
	entist_Zawiscal
Boundary-Layer Scientific Boundary-Layer Boundary-Layer Boundary-Layer Scientific Boundary-Layer Boundary	entist
	st
Observers (affiliation	1)
RECION OF FLORIDA. DUPNING A CODEPLISHMENT PREA. WE'LL DE ~ 10 AM OF THEM PROVINCES. MISSION Synopsis: (include plot of actual flicts) SO WE GOT BEHIND THE CODET INCLUDING MEAR PROCESTIFF DEPLOYMENT MAD OF THE CODET INCLUDING MEAR PROCESTIFF DEPLOYMENT OF E POINT BUT WOING AND CONTINUOUS COOK, WENT ON SO AM ON CONTINUOUS COOK, WENT ON SO AM ON COENTY WE GOT 3 POINTED OF THE CENTER WIND. WE FLEW ALUNC A RAINDAND IN E SOIR. INITIALLY THOUGH WE WERE AND FOLLOW IT AT THE RAINDON WEIL	LINDROLLING RAINBAND IN THE BIG BEND NOTICE OF SWIET, ONE NETR BIGGERSTOFF OUTSIDE, THEN DO N'T I FLORE-Y WI COST HUCH I' INTENSE RAINBAND MIDNE - BE A RAINBAND IGHT TRACK) LING RAINBAND, BU IT WAS ALREADY OVER UND LING RAINBAND, BU IT WAS ALREADY OVER UND TO SHE, THE N PRICEDED TO NUTUR POINT AND ENTER. WELL OUTSUM TO SOUTH THEN DOWNSHIND TO PARALLE A RAYNIBAND - DIT EAST OF IT SHE BOCK, FINDAY MAY WHAT TO SE, GI 91 TO DO TOPOSED OBJECTIVES?) SHEN WORK WORK, FLEW MODILERS POINT ON THE MODILE THE FLUSHT DOWNWIND FROM SWITH ON HORE, THIS TO THE IN THE SAME ORED BY WEAR TAMARA MODILE ROINGAND MODILE NEAR TAMARA MODILE ROINGAND MODILE STRATIFICA GOOD MIN. SO VERY SUCCESSIFIL MODILE. STURM INTENSIFIED
Expendables used in mission:	wille we were our there at well
GPS sondes: 17 (3 cerres)	CRUTER BECARE CLEAR
AXBTs:	WE NET PRUD WIED OBJECTUES
Sonobuoys:	

Lead Project Scientist Event Log

Date 9/1/16 Flight ID 2016 0901 IZ LPS ZAWISCAK

Time	Event	Position	Comments
1902	T/0		CHIB AND SET UP OUR IP.
			4 SET AT 28° 24'/83° 10'
			GOING TO PARTICLE THE RAINBOWN AND COAST FROM THERE. 3 DROCK! NEAR END POWN IP AND CENTER
19512			TURNING EDST TOWARDS COAST
19547	Soune 1	28 56 / 62 10	
20027	SONOE Z	29 29 / 83 29/	- NEAR UF UT
2015 3			NOTHING BUT STEAMFORM
2025 2	Soune 3		THEN SOUTH TOWARDS CENTER
2030 Z	Soure 4		MA> WINN
20397	SUNDE 5	28.61/85.18	CTR
2105 2	SONDE G	26.74/ 85.14	MAY WIND
21157		260571/810461	NOW PARALEUM BAN TO IF
	5		TORE TO 12th in Boun
2126			WENT POWNING PARLIEUM
2143			VICUMING DRUG OF THENTY WEST COLL COPTURE THE
2146	DROP 7 IN/AT		PRE-EMMRGNARUT OF THE RAINBAND
2145			PAINTER BOTH BOND PIGHT NOW WEST AND EDST
2209	DEOL 2	23045 / 65 8	an centr
2219	00000		GETTIVE THE MOST UP DOLY
2241	SOWNE 10	28°54' / 84 °53'	DROP AT CEUTE.
*			
ne we comment of the			

Lead Project Scientist Event Log

Date 911/16 Flight ID 2016 0901 IZ LPS ZAWISCAK

Time	Event	Position	Comments
2222			SONNE ON WEST SIDE
2241		290 541/840 531	CENTRA FROM WEN
2249			
2248	୭ନ୍ଦ୍ର ମ	28.51/84.92	MAN WIND TO SE
2317	DR00 12	29 73/83.55	DESK AT 18 OF MODULE
			BANA PICKEN UP AS WE FLEW IT
		28.25 /83,769	THE CROSSING WAS VIGORED!
2327	0220 13	20 He Justines	CHOS CUP UP UP CHAND REWREDUD
2337	DROP 14	27.81 /84.08	E of non mo of Bainbons when the
2343	DROP 15	27.60/83.76	OF IP OF DOWNWIND
2350	200016	28.01/83,33	חד תם טד משעונתם
2357	0200 17	29.57/83.05	AT ED OF DOWNWIND
			ROMBONO PAMENTAL 17 WELL.
			SUME STRATEGRA. DEFINITELY KICKED AROUND IN CROSSING
			FROM WEST TO EDYS, LIEWIND TO DELLAWIND
			THE OLSO KIND OF SAMPLED
			THE WENT SIDE DUWLWIND WY THE ENTERNUE TO THE 10
			OF THE MODULE.
			SO 3 GOOD CENTER PASSES, SOME OF THE STRONGEST US WAS
	7.3		GUN THE WAST STOF. FL UP 75 KT ON THE BUT.
			AND SOUTH SIDES,
	4400		