Lead Project Scientist

Storm or Project TSN ate Experiment type ACPEX Flight ID Mission ID					
Flight	ID	17006 H2 Mission ID			
Preflig	ght	TABBION 12			
	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 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 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.			

D. Mission Briefing: AIPEX mission to TS Note. Note is in the NW Caribbour, having emerged from Morehvas ~ 12-18 h previously, storm is asymmetric, thish peak winds well-removed from context to the cast. But sol. shows preof. beginning to develop near anter, and extring to the east side, possibly upslear. Environment is other formable for interestication.

By created fig. -4, 1015 nm legs, IP on north. Drops at all turns & mids, plus 1st last conter.

Bt drops at all midges. Plus 1st last center, and I to the porth. If the, poortain bunked SFMC managements likely on two SE = 20, 10 pas EL PA Muneuris, likely on the SE side, 10,000 Ft. PA.

Lead Project Scientist Event Log

Date 10/6/17 Flight ID 171006H2 LPS Rogers

Time	Event	Position	Comments
1952	takeoff	KLAL	
2112	وماه	neer 1P	storm continues tracking
		NWW,	at high speech 1864.
*		Convection	n continues to develop
	2	near center	and improgaround some
On the second		Buy Mas Mod	mode it all therray
			164 b/c of high
		translational	speed
7/22	pattern, dopl	90 na N,1P	FL 35 SF 206+
2126	045	N70an N	in Ex Rquad Cohear
		from	vi 75 deg. Cua scu below,
****			sabove, but precip for
2136	drop2, BT	45 mm N	just passed turn some
	<u>'</u>		precip, drop was in
		precipa	ee regim; f2 30, 5f 30
		tow-level of	ands filled in roughete
7923 .		Coverage balo	walc
2142	ohs		peak Ft on W sido
	0-		40Kt, SF30Kt
2143	drop3, BT	center,	
			extrap 5 LP 983
2150	0 6 2		on OSL now, ETS
		or 16+	kun, also heavy
		strat .	und conventing
2154	drop 4, BT		FL 45, SF SOKT
2206	Jap 5		FL30,5F20kt,
		end out b	and by, turn damused

Lead Project Scientist Event Log

Date 10(6(17 Flight ID 171006 H2 LPS Poses

Time	Event	Position	Comments
2235	865	downwood lear,	in broad area of
	- 6	reartern parit	stratiform precip
· ·	•	east	
2238	Juap 6	gonnest	FL 60, 5F 30 bt, FL bon 60-65 kt
			FL bon 60-65 kt
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		n this se (BC) downwine
		le	
2246	drup 7, BT	45 nm east	FL 65, 5F45 6+,
		0 /	strat pre cip
2256	drap 8,BT	Center, 2103	estap 991
		85046	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
2259	obs	~ Zonn W of otr	should underate cu
	1 - 51 OT	DSR	El occupt se so
2305	drapa, BT	NY5 NMW	F/ 25-70kt, SF 30,
		fie	
	\\ \\ \\ \\ \\	Bai	
		will	
2318.	Pottern	gounu	end outsomer turn
	12		bowning
2330	drep 10	Nasumsw	extended beg on 300
		5.	de so we could get a
<u> </u>		M	up there, clar skies
,		aso	, little to no precip below
		FL	- 20 kt
2344	dropu, BT	145 MUSW	FL 20 SF 30 let
2347	Obs	~ 20 nm SW	worder apports titel
	•	+	munds or sE, OSL

Lead Project Scientist Event Log

Date 10/6(17 Flight ID 171006HZ LPS Logers

Time	Event	Position	Comments
2352	adertia	21018885050	no drop , turning to
			track 035 instead of
		·	045
6003	Nap 12, BT	45 na NE	FL 55,5F 40 bx
0014	drap13	GORMNE	FL 50, 5F 30 Kf
0000	065	downwidley,	little to no precip
		Notauter	out have some shallow
			concerion to M
			on upsher size
00 38	obs	near MIN turn par	+ PI winds show
			continued SW flow;
		mi-	is a small circulation
		ati	east on M sido
0045	drop14	90 nm NW	PC 10,5F10E1
0047	des	80 mm NW	Ply just to the mont
		of a live of con	roston som lighting
00 5 7	dop15,BT	USUMNON	FL 25.5F104
0104	auten	auter	orbiting in outer
		waiting for AF	today out for draps
0117	drap 16,BT	anter	extrap 990
		21037'8557'	
0173	0/5 S	critico S & max	Perk F1 70, SF 60 on S
0123	dop17,BT	45mmsE	F155 sf 40
0134	dropes, BT	gonngE	FL 40 sF 25
0134	Parton	PONUSE	I am in lough of it and Bothe last
0140	Pattern		begin SFM R banks, b
		3@ 3	
·		Km	150
0338	land	KLAL	

Mission Summary Storm name YYMMDDA# Aircraft 42RF

Scientific Crew (4 RF)

Durian

Lead Project Scientist 2095

Radar Scientist_

Cloud Physics Scientist

Dropwindsonde Scientist______Boundary-Layer Scientist_____

	Workstation Scientist Observers (affiliation) Jawa Cum)
Mission Briefing: (inc	clude sketch of proposed flight track or page #)
See	previous
Got Me airon overflight don al SFMR bounts attend of puth attentions, frying to brown was attention of though p	d
Expendables used in r GPS sondes : AXBTs :	18 acrum for much of A in Ut snag ate
Sonobuoys:	tilt vot driving as your. Mayle
	organized as we've banking, evenous trying to turn. Convection USL