07081641

Lead Project Scientist

Preflight	
1.	Participate in general mission briefing.
1 2.	Determine specific mission and flight requirements for assigned aircraft.
3.	Determine from field program director whether aircraft has operational fix responsibility and discuss with AOC flight director/meteorologist unless briefed otherwise by field program director.
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.
	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
5.	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.
6.	Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami).
7.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
	Make sure each HRD flight crew members have life vests
7.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
8.	Collect "mess" fee (\$2.00) from all on-board HRD flight crew members.
In-Flight	Company on Others 2001. Control of Tonor 2001. It
1.	Confirm from AOC flight director that satellite data link is operative (information).
	Confirm camera mode of operation.
	Confirm data recording rate.
N.	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 flight	
1.	Debrief scientific crew.
2.	Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.
3.	Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
4./	Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
5.	Obtain a copy of the radar DAT tapes. Turn in with completed forms.
6.	Obtain a copy of the all VHS videos form aircraft cameras (3-4 approx.). Turn in with completed forms.
7.	Obtain a copy of CD with all flight data. Turn in with completed forms.
8.	Determine next mission status, if any, and brief crews as necessary.
9.	Notify MGOC as to where you can be contacted and arrange for any further coordination required.
10.	Prepare written mission summary using Mission Summary form (due to Field Program Director a week after the flight).
101/	

Lead Project Scientist Check List

Storm or Project TS, Erin Experiment name NHC-mondates Date 16 Ago 7 Aircraft N421 Flight ID 0708 1641	Lia
Date 16 Aug 7 Aircraft N421+ Flight ID 0708 1641	

A. Participants:

HRD		A	OC
Function	Participant	Function	Participant
Lead Project Scientist	1 Leighton	Flight Director	Tom Shepherd
Radar	1 11/11/2 12 1 11 11 11 11 11	Pilots	
and to only a should go was some	to the Les maps in the	leasting were might to the thing	7. Strong /M. Velson
Workstation	(1	Navigator	T. Galledu
Cloud Physics	C1	Systems Engineer	Silvade/GBcss
Photographer/Observer	Luc determination of the 25	Data Technician	28 11 1
/Guests	(1		Kiteck T. Rolles
Dropwindsonde		Electronics Technician	W. Verot
AXBT/AXCP -		Other	VST GINAY

	B. Take-off and Landing Times and Locations: Take-Off: 094 UTC Location: MacDil A	FB	Tanp 2	51.6	82,30,5
N1505	Landing: UTC Location:	((U
	Number of Eye Penetrations:				

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
16 May 07 0941	26,5N	95.7w	WNW Rugh	
A Varanstansonsa			TV The Sym Control Country on Country of	

D. Mission Briefing:	0.11	B. (Dtal
D. Mission Briefing:	Lallow -on	Deach Parol

E. —Equipment Status (Up 1, Down 1, Not Available —, Not Used O)

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / Cds /Expendables/ Printouts
Radar/LF	7	7	7	
Doppler Radar/TA	1	T	7	
Cloud Physics	0	0	0	
Data System	9	1	7	1DAT/1 mits ct
GPS sondes	7	0	0	
AXBT/AXCP	0	0	()	
Ozone instrument	0		0	
Workstation	7	7	7	
Videography	7	7	1	51 1/1 1111

REMARKS:

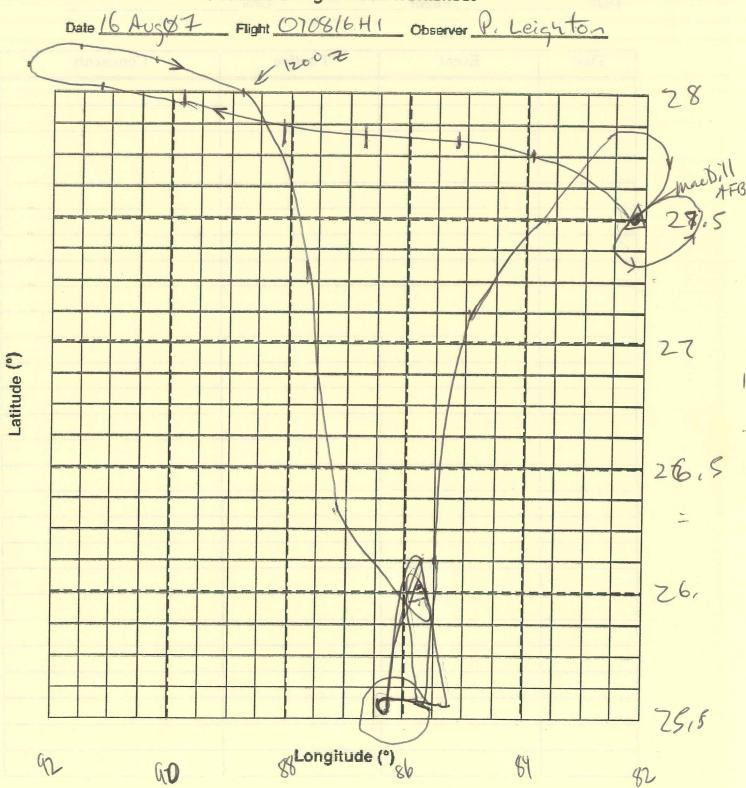
Mission cancelled en route due to 5 horn already being over (and, (~ 1/24) while being appox to how or 190 mi short of IP are 270 mi short of show Center. On Return in order to burn excess del, work completed around buoy at 26'02'N 88'53'30 1 signe 4 at 10,000 ft., 1 fig 4 at 5000 ft who circomnarigation of Sixed point at 30° Roll in Clear air and another aiche with 15° Roll to be used for calibration of SFMR

Lead Project Scientist Event Log

Date 16 Aug 07 Flight 0708/6H/ LPS P. Leighton

Time	Event	Position	Comments
0941	Take off	Mar Dill AFT3	ather 30 innuity on Ro
1060	Rado Recordin	27 49.6/83 5	4.6 Sursh down Le Soot
11-24		25527 8521	A STATE OF THE STA
1015		2752,78521	OF STREET
1030		27 50,4 86 47.1	1 AXBTIARCE -
1045		2751.3 88 14.2	inscription in (SO)
1100		2757 ,8941.9	
11 15		2812 91 1014	
1/24			Mission Cancelled
11 30			Turn beach to EASTEADER
1145		2810,29011.5	
12 60			tornto tru 125°
12 (5			start deant to coop.
12 30		26,357 8641.9	level at loose ft.
1246	OFF 50	25 53.1 8538.5	fra New Broy Trk 350,
1251			thentra 225
(300	marily served	2551.1 867.5	
1315	E / AU VOLKY	2535.4 85 47	TO SERVICE A STREET
1330		26812 8551	
1345		25 36.4 85 48.5	
14 15		26 11,6 85 29,5	
1430		27 34,8 83 44.0	· · · · · · · · · · · · · · · · · · ·
	Alexander		
14 45		2754,7 8247,2	LANDING
1202		3 , 	611100405

Observer's Flight Track Worksheet



Mission Summary Storm name YYMMDDA# Aircraft 4_RF

Scientific Crew (4 RF)

Lead Project Scientist
Radar Scientist
Cloud Physics Scientist
Dropwindsonde Scientist
Boundary-Layer Scientist
Workstation Scientist
Observers_
Mission Briefing: (include sketch of proposed flight track or page #)
122 fix with Beach
12 E dix will, beach
Petal Africial PASS
S Retal attriving
Mission Synopsis: (include plot of actual flight track)
CANCELLED ENROTE Did Bury Hy over to Som
(ANCELLED ENROTE DIA DOGG SIGN
Relo. Retur Right
Let on Metan Might
A STORY
Evaluation: (did the experiment meet the proposed objectives?)
4/0
Problems: (list all problems) Storm making land fell before plane taking form 3 thours away. Expendables used in mission:
che di dell before plane mango
Storm making cand still
Ca stars are
Grown 2 read.
GPS sondes:
AXBTs:
Sonobuoys: