U.S. Dep't. of Commerce / OMAO / NOAA / Aircraft Operations Center

FLT ID: 20130930I1	From: KMCF	To: KMCF
FLT #:	Blk In: 1928 z	Lnd Time: 1918 z
ETD: 1530 z	Blk Out: 1518 z	T/O Time: 1531 z
ETE: 5+00	Total Blk: 4.2	Total Flt: 3.8
Sponsoring Org: HRD	Program: PWB/PHX	Purpose: AXCP test + WBAND Radar

AOC Flight Crew

Aircraft Commander: SWEENEY	SSA: Naeher
Co-Pilot: DIDIER /	AVAPS: Richards/
Navigator: Gallagher/	Scientists: Nick Shay (RSMAS)
Flight Eng: Heystek/	Scientists Benjamin Jaimes (RSMAS)
Flt Director: Henning	Scientists John Grant (LM)
SEB: Paul / / (Disc CH)	Scientists: Dan Wolfe (ESRL)
Crew Chief:	Visitors: Gerald Rose / Buck Miller / Ken Moran (ESRL)

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure		29.99		

AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH		
SCIENCE MISSION WITHIN BOUNDARY LAYER		
LACK OF PRECIPITATION		
RELATIVE HUMIDITY AT OR ABOVE 80%		
LARGE AIR-SEA TEMPERATURE GRADIENT		
HIGH SURFACE WINDS		
LONG FETCH AND/OR DURATION OF SFC WIND		
SEA SALT ACCRETION FORECAST		
SEA SALT ACCRETION OBSERVED		

Dropsondes	1	Good: 1	Bad: Ø	Sent: 1	
AXBT CPs	11	Good:	Bad:	Sent:	

List other data sources in Remarks section

Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	VDM Ob Num	Fix Time / SLP
Storm Number Identifier (VDM):			
(ie: AL072012)			
TCPOD/WSPOD Mission ID: WXWXA TRAIN			
(ie: NOAA2 2418A SANDY)			

Remarks:

BOAT 156.450 (9)
FM/ 156.500
MARITIME 156.575
MODE Daisy Mae
ARC210

10091028 28N 8315W
1458z 29.99

(1) try on fail to deploy

N43RF ERROR SUMMARY
AXCP TEST WITH BOAT
W-BAND RADAR TEST

Flight ID: 20130930I1

Sensor or system	Number or Name
INE (for wind derivation)	INE2
Accelerometer	AccZfilterI-GPS.2
Temperature Probe	TTM.1
Dew Point Probe	TDM.2
Static Pressure	PSM.2
Dynamic Pressure	PQM.2
Vert. Wind	ALTGPS.3 (NOVATEL)
Project Directory	/acdata/2013/MET/20130930I1

Notes:

There were no data gaps.

During the flight there were instances where dewpoint temperature values exceeded derived ambient temperature values resulting in humidity values above 100%. These situations occurred during heavy precipitation events.

All other instrumentation worked optimally.

SPECIAL NOTE!!! The variable names DPJ_GSZ, DPJ_ASZ and DPJ_WSZ in the netCDF file represent vertical ground speeds , vertical air speeds and vertical wind speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

	Takeoff(1531Z)	**Landing(1918Z)**
Aircraft Static Pressure	1015.2mb	1012.9mb
Corrected Tower Pressure	1015.0mb	1013.1mb

Flight Director: A. Barry Damiano (813) 828-3310 ext. 3073
Rich Henning (813) 828-3310 ext. 3086

NOAA • AOC • SED N43RF AVAPS DROP LOG Lead Tech: Dana Naeher

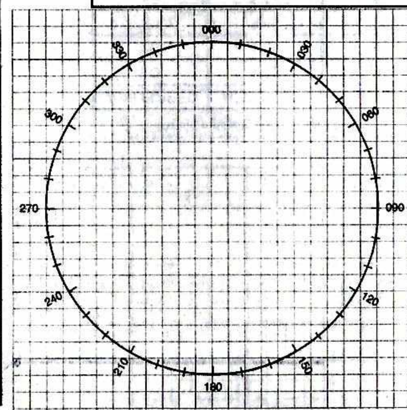
Project: Hurricane 2013 Mission: AXCP Test Flight Flight ID: 20130930I1

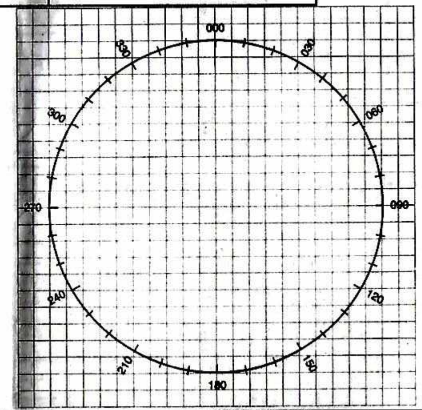
Take Off : _____ Landing: _____ Flt Dir : HENNING

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge $$ To	Comments	Good ?
1	11995102	1	0	1809	SCP	HFIP?		✓
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

MISSION LOG

PAGE ___ OF ___





CLEARANCES			
FREQ	ALT	HDG	OTHER
119.9	1600	RWY	KMCF AS FILED RAD VEC
0024	exp 5K@10	RWY 360	

POSITION REPORT

1. POSITION
2. TIME
3. ALTITUDE
4. NEXT POSITION
5. ETA
6. NEXT POSITION

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA ______, NOAA ______, NOAA ______

- POSITION ____________________ N / S ____________________ E / W AT __________ Z
- HEADING ______ TRUE/MAG
- AT ______ KTS TRUE/INDICATED
- FLIGHT LEVEL OR ALTITUDE ________
- WE ARE A P-3 AIRCRAFT WITH ________ SOULS ON BOARD
- NATURE OF EMERGENCY
- ASSISTANCE DESIRED
- PILOT INTENTIONS
- WE HAVE __________ ENDURANCE REMAINING

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
15^{17} / 15^{18}	ENG / TAXI																				
[illegible]	[illegible]																				
15^{35}	A	N28-00.3 / 083-07.5	28-00.4 / 083-07.5	-.1 / —	28-00.7 / 083-07.3	-.4 / +.2	005	5W	360	—	090	221	166	5	5K	210	HKTI	10	+03	15^{38}	
16^{35}	A	27-57.4 / 083-29.4	27-57.7 / 083-29.4	-1.3	27-57.9 / 083-29.0	[illegible]	(circled)	5W	(circled)	2L	(circled)	231	156	7	5K	233	Dest	2	+01	16^{36}	
17^{35}	A	27-53.1 / 083-23.0	27-54.2 / 083-23.5	-1.6 / -.5	27-56.3 / 083-24.2	-3.2 / -1.2	(circled)	5W	(circled)	—	(circled)	255	176	8	5K	245	Dest	7	+02	17^{37}	
18^{35}	A	27-55.8 / 083-25.2	27-58.1 / 083-24.6	-2.3 / +.6	28-00.8 / 083-24.6	[illegible]	005	5W	355	—	358	241	183	6	4K	237	Dest	7	+02	18^{37}	
19^{18}	LAND																				
A^{27}	BLK																				