

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

FLT ID: 100508H	From: KMCF	To: KMCF
FLT #: 10-028	Blk In: 2255 Z	Lnd Time(on): 2244 Z
ETD: 1500 Z	Blk Out: 1452 Z	T/O Time (off): 1459 Z
ETE: 8	Total Blk: 8+3 (8.1)	Total Flt: 7+45 (7.8)
Sponsoring Org: PEE (NOAA Funded)	Program: Deepwater Horizon	Purpose:

AOC Flight Crew

Aircraft Commander: Girimonte	Data System: Bosko
Co-Pilot: Kibbey 1	Avaps: peek
Navigator: Kidder 1	System Engineer:
Flight Eng: Bast 1 Klippel/craux	AA: Lynch, C
Flt Director: Damiano, Williams	AA: Paul, S
Avionics:	Crew Chief: Wornecke

Participating Scientists, Visitors, & Add'l Aircrew on back.

of people listed on back:

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1018.2	3009	1016.1	3002

ATIS - Takeoff	1018.3	1015.9
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ATIS - Land	2206Z 30011kt 105m BRNDS 28/23 A3004
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Data Source	Number	Data Disposition / Date / Quality / File Name(s)
Flight Level Tapes		
Radar Tapes		
Dropsondes	4	Good: 4 Bad: 0 Sent: 0
AXBT	52	49 3

List other data sources on back in Remarks section.

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Recco

Times:

Fix #

Fix Time

Storm Name: _____

Mission ID: _____

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FLT ID:	T/O Time: Z	Lnd Time: Z
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Name (Last, First)	Activity on Aircraft	Affiliation
Jai Brewster, Jodi	Research	Univ of Miami
Meyers, Pat	Research	Univ of Miami

Remarks:

AOC SFMR not working
data sys ~ 202643Z is off



P3 ERROR SUMMARY DEEP WATER HORIZON OIL SPILL MISSION



Flight ID: 100508H

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	INE1
Accelerometer	ACC1
Temperature Probe	TT1
Dew Point Probe	TDM2X
Static Pressure	PSF
Dynamic Pressure	PQF1
Vert. Wind	ALTI1X
Constants File	n42_hur09v1.adc
Project Directory	/acdata/2010/hur10

Notes:

There were three data gaps: 194041Z – 104043Z, 202641Z – 202647Z and 224141Z – 224146Z.

The third data gap resulted in fixes to INE1 latitude (LATI1) and longitude (LONI1). These parameter values were modified at 224147Z, by substituting respective latitude and longitude outputs from the Novatel inertial.

Also for 224147Z the GPS altitude value from the RINU1550 (ALTI1) had to be replaced with data from the Novatel altitude source by the following equation

$$ALTI1 = ALTNVL - 4$$

The EdgeTech dewpoint probe (TDM2) exhibited several spikes during the following time periods: 152936Z - 152957Z, 181539Z – 181806Z, 214230Z –

214817Z and 223126Z - 223202Z. These spikes were removed by direct substitution with values from the Buck dewpoint probe (TDM1),

$$\text{TDM2} = \text{TDM1}$$

All other instruments worked optimally during the flight.

For vertical wind values we recommend using the "dpjwz" parameter output. These values were derived using an algorithm developed by Dr. Dave Jorgensen.

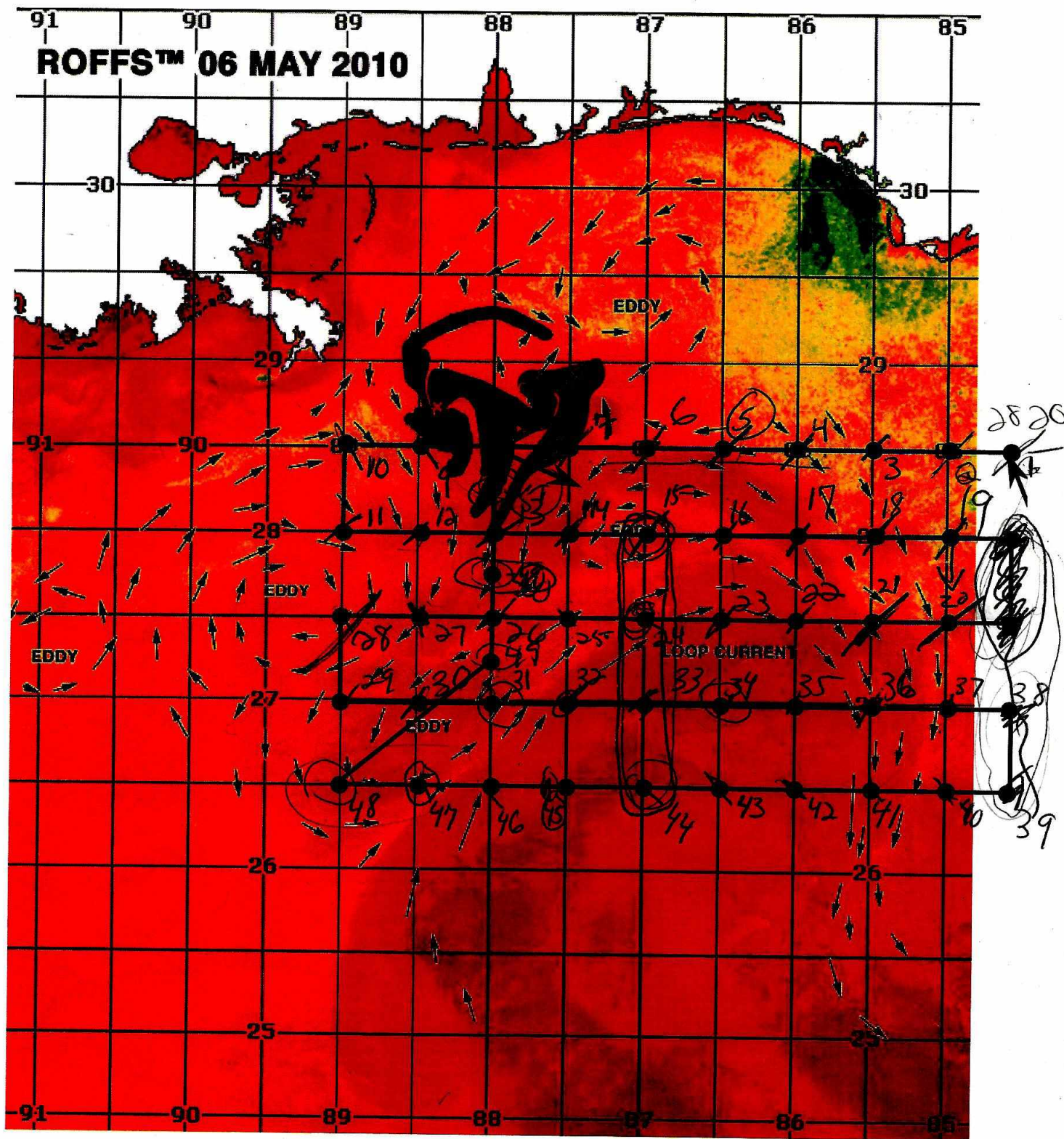
There were four (4) GPS dropsondes deployed and all were good.
There were fifty-two (52) AXBTs deployed with 49 good and 3 bad.

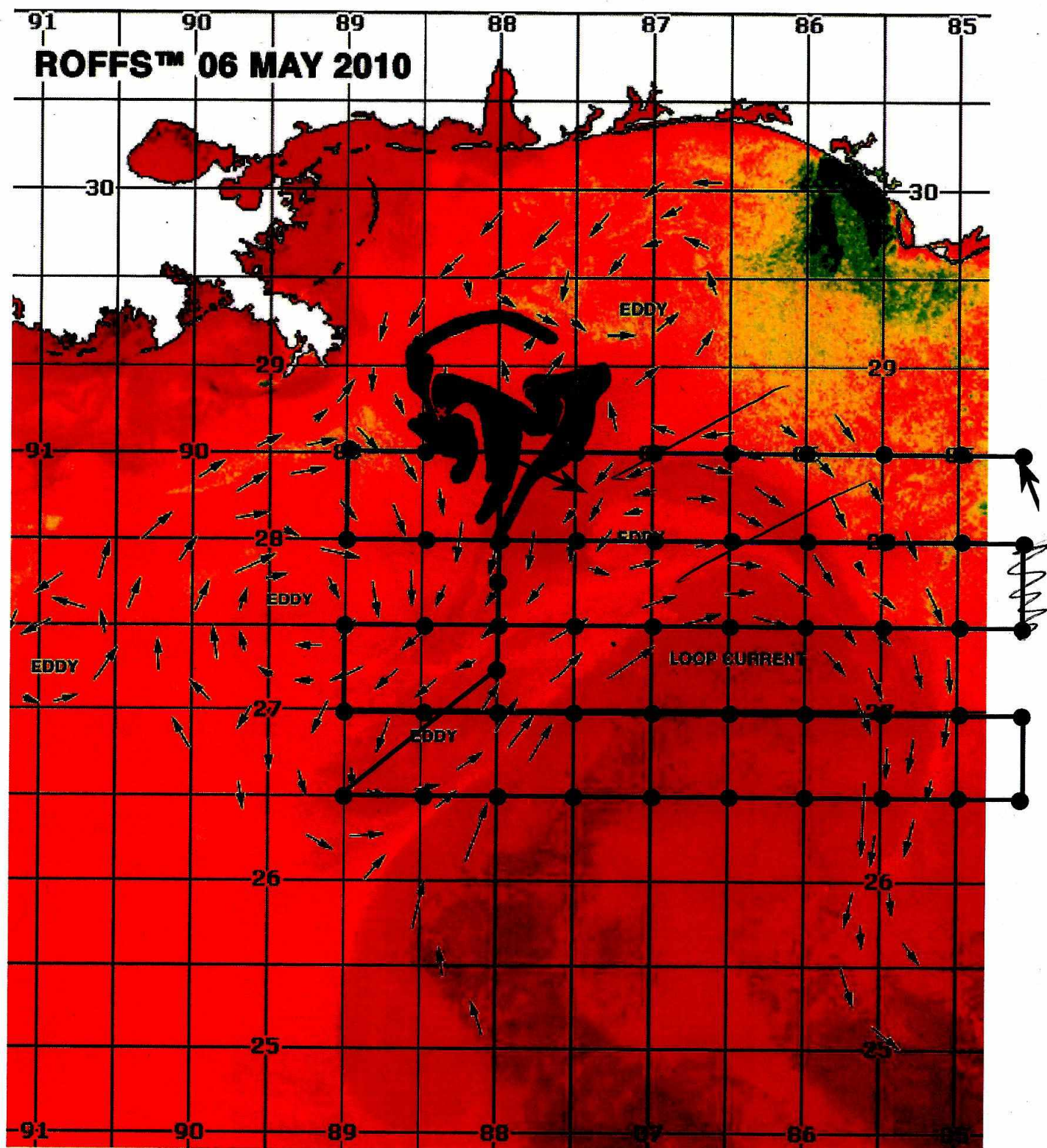
Takeoff(1459Z) Landing(2244Z)

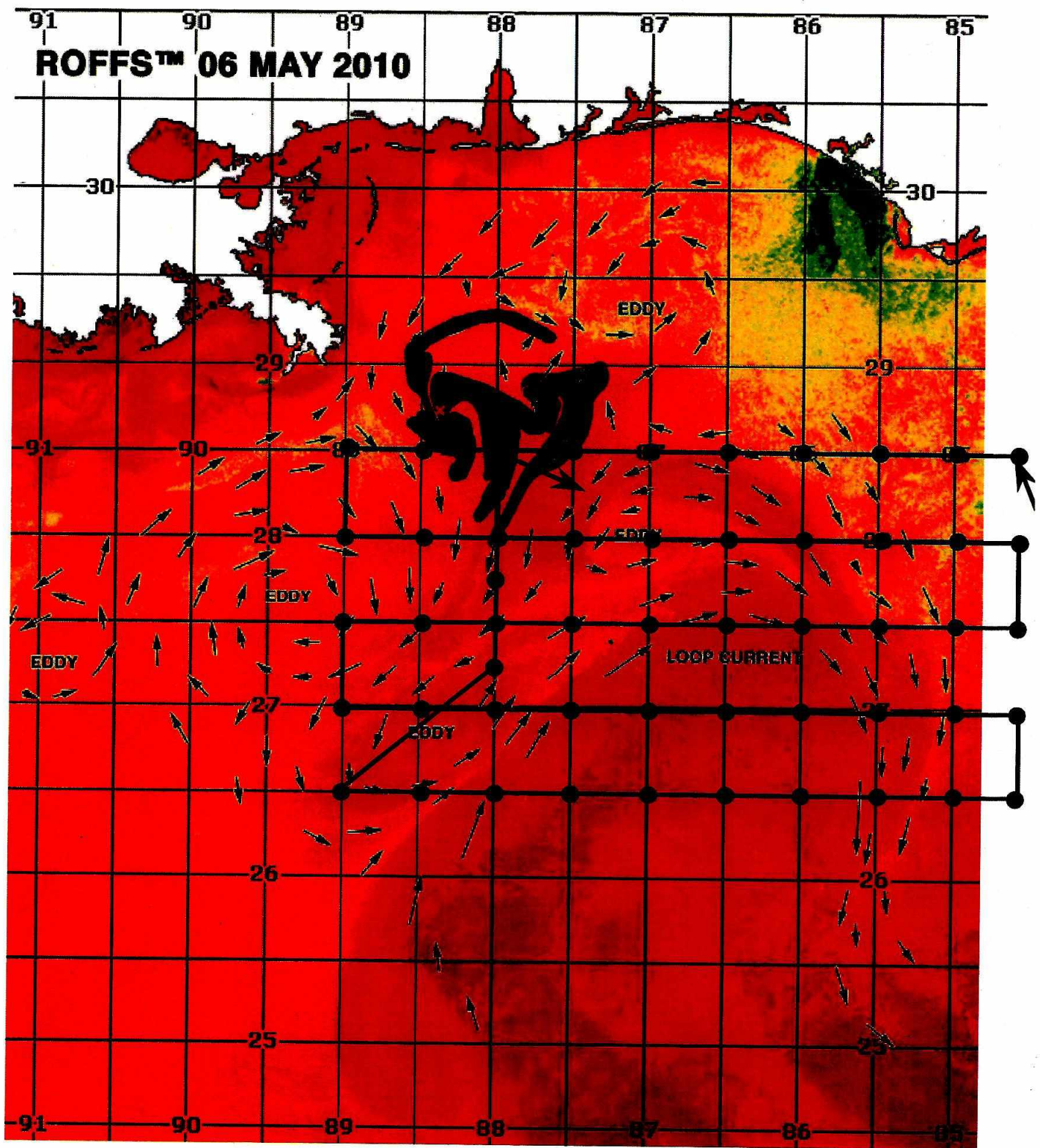
Aircraft Static Pressure	1018.2mb	1016.1mb
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Corrected Tower Pressure	1018.3mb	1015.9mb
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Flight Director:	A. Barry Damiano	(813) 828-3310 ext. 3073
	Jessica Williams	(813) 828-3310 ext. 3140







All,

The Deepwater Current project on N42RF is scheduled for a flight this Saturday with an 1100L take-off. It will be an 8-8.5 hr mission with 50 AXBT drops (carry an additional 5 for spares) and 2-3 dropsondes (carry a total of 5). We will use the AXBTs currently at AOC for the mission. We will receive the flight track in the morning from scientists and I will forward to Navs. Mission will be flown at 5000'. 2 scientists will arrive tomorrow ~1700L with the pallets of AX-- to be offloaded. We will notify of follow-on missions when we have further guidance.

Please let me know if you have any questions. Thanks again to everyone for the quick response on this project!

Nancy

N42RF AVAPS DROP LOG

Project : Hurricane '08

Mission :

Flight ID: 100508h

Take Off:

Landing :

FR DR: J. Williams

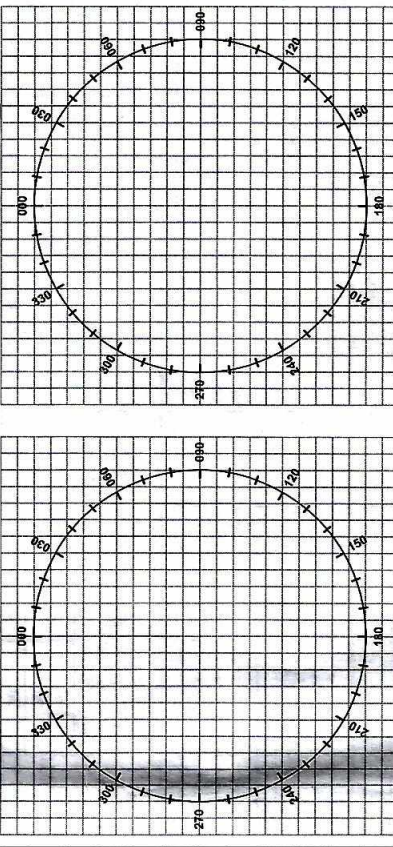
Launcher S/N:

[illegible]

440 4140 815 843 4354

CLEARANCES				
FREQ	ALT	HDG	OTHER	
			N4 HF 1130 8846	
			664/90A 1600 811'	
			119.65 6003	
126.4	Omike 99		TRR-1349 132.17	
			985-493-7804	
			R433 1517 2700'	
	8100	0400	FOFH 350nm Comd	

MISSION LOG



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 43, NOAA 43, NOAA 43

- POSITION _____ N / S _____ E / W AT _____ Z

- HEADING _____ TRUE/MAG

- AT _____ KTS T/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	VAR +E=>	TH	DR +R=>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1446	START																			
1453	TIME																			
1454	I																			
1458	T10	83K	330 R4330	8/5	631-214	843														
1500	II	R-346	380																	
1508	SAC	02035	170.9																	
1514	A	2743 8329	2743 8329	0	2743 8329	0	4W	308	1L	311	241	314	11	81K	253					
1516	C	UNABLE TO																		
1528	C	040P VFR																		
1530	C	Visual Omnid	Radius Omnid																	
1623	A	2818 08812	2817 08811	11	2818 08811	11	271	271	2L	269	203	313	14	1K	214					
1715	A	2801 8118	2802 8118	11	2802 8118	11	2W	087	2R	089	232	246	17	1K	217					
1814	A	2731 8703	2733 8701	11	2733 8701	11	2W	270	0	270	236	315	1	1K	236					
1915	A	2701 08109	2702 08109	11	2702 08109	11	2W	088	2L	090	238	336	6	6K	235					
2015	A	2631 08540	2632 08535	11	2632 08540	11	2W	273	3L	270	239	030	11	6K	234					
2114	A	2703 8820	2702 8818	11	2702 8818	11	1W	051	2R	053T	229	348	10	6K	239					