



N42RF ERROR SUMMARY

Deep Water Horizon 2010

Mission Flight 2



Flight ID: 100518H

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	INE1
Accelerometer	ACC1
Temperature Probe	TT1
Dew Point Probe	TDM2 (EDGETECH)
Static Pressure	PSF
Dynamic Pressure	PQF2
Vert. Wind	ALTI1X
Constants File	n42_hur09v1.adc
Project Directory	/acdata/2010/Deepwater/

Notes:

There were data gap from 150807Z – 150814Z, 162502Z – 162506Z, 163315Z – 163317Z, 164232Z – 164257Z, 180157Z – 180253, 190755Z – 190805Z, 191000Z – 191004Z, 193256 – 193302Z, 200418Z – 200423Z, 204903Z – 204913Z, 205544Z – 205549Z, 214817Z – 214822Z, 225518Z – 225523Z, and 231154Z – 231157Z. Some parameters at the point data resumed needed correcting at 190806Z and 204914Z. The parameters ALTI1, GSUI1, LATI1, LONI1, HDGI1 were modified substituting values. The substitution equations follow:

For 190806Z:

$$ALTI1X = ALT2 - 5.8$$

$$GSUI1X = GSUI2 - 1$$

$$LATI1X = LATNVL$$

$$LONI1X = LONNVL$$

$$HDGI1X = HDGI2 + 0.8$$

For 204914Z:

ALTI1X = ALT2 + 15

GSUI1X = GSUI2 + 0.9

LATI1X=LATNVL

LONI1X=LONNVL

There were 8 total dropsondes deployed.

There were 28 total AXBTs deployed.

There were 27 total AXCPs deployed

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

SPECIAL NOTE!!! The variable names dpj_wgs, dpj_was, and dpj_wz in the netCDF file represent vertical ground, vertical air, 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	Landing
	1456Z	2346Z
Aircraft Static Pressure	1015.5mb	1012.2mb
Corrected Tower Pressure	1016.0mb	1012.8mb

Flight Director: A. Barry Damiano/ Ian Sears (813) 828-3310 ext. 3073/3039

Processing required?: Yes

U.S. DOC / NMAO / NOAA / AOC

HD?:

hurricane penetrations

Flight ID: 10 0518H From:

KMCF

To:

0

Flight No: 10-029 In HH MM

2357

On_Hour

2346

Task Codes

ETD:

Out HH MM

1440

Off_Hour

1456

22
14 0150

ETE:

Block
time:

9.3^{0.0}

Flight Time

8.8

Sponsor

UM

Program:

DWIT

Purpose:

Loop current

BT CTD GP
DROP snow

AOC FLIGHT CREW

Aircraft Commander: NEWMAN

Co-Pilot: HARRISON

KIBBY

Navigator: KIDDER

FE: KLIPPEL

FD: Sears Ian

DAMIAND

Avionics: BOS PERK

Data System: BOSKO

AVAPS: PAUL

System Engineer: MASE AD

AA 1: WAR NECKE

AA 2:

Crew Chief:

Other AOC: ASH

Participating Scientist / Visitor

guests

SHAY

BREWSTER

JAIME

MEYERS

activity:

affiliation 1:

17

Remarks

Mission ID:

Storm Name:

Block-1440
T/b - 1456

24.02

75

U.S. DOC / NMAO / NOAA / AOC

Flight ID:

10

On_Hour:

Off_Hour:

A/C Takeoff press:

WX Station takeoff press:

A/C Land press:

WX Station Land Pres

Pressure

Data Source

Number

Data Disposition / Quality

Flight level
tapes:

Radar tapes:

cloud physics
tapes/cds:

video tapes:

Expendables

Charge To

good

bad

total

Sent
Messages

~~211~~ CTD

26 ~~27~~ CP

Remarks

29 ~~28~~ XBT

8 SONDES

ROFFS™ 14 MAY 2010 - www.roffs.com

CLOUDS
CLOUDS
CLOUDS
CLOUDS

26 29 11 #1

H81501

100

Storm Slick Nick

1

[illegible]

Playback Log

#w

Flight Number

815001

Takeoff Time

Storm

Slick Nick

AXB/T/AXCP Contract Number

Landing Time

[illegible]

INTERNAL AXBT LOAD/LAUNCH RECORD

Date: 18 MAY 10

Mission: DEEPWATER HORIZON 2

	Type	CH#	Drop#	Launch time	Good
1	CP	14	1	1604	X
2	BT	12	2	1611	✓
3	BT	12	3	1618	✓
4	CP	16	4	1626	✓
5	CTD	14	5	1633	✓
6	CP	16	6	1640	✓
7	BT	12	7	1647	✓
8	BT	12	8	1655	✓
9	BT	12	9	1707	✓
10	CTD	14	10	1715	✓
11	CP	16	11	1722	✓
12	BT	12	12	1730	✓
13	CP	16	13	1738	✓
14	CTD	14	14	1746	✓
15	CP	16	15	1753	✓
16	BT	12	16	1800	✓
17	CTD	14	17	1808	✓
18	BT	12	18	1817	✓
19	BT	12	19	1824	✓
20	CP	16	20	1833	✓
21	CTD	14	21	1840	✓
22	CP	16	22	1848	✓
23	BT	12	23	1856	✓
24	CP	14	24	1904	✓
25	BT	12	25	1911	✓
26	BT	12	26	1919	✓
27	CP	14	27	1927	✓
28	BT	12	28	1935	✓
29	BT	12	29	1943	✓
30	BT	12	30	1951	✓
31	CP	14	31	1958	✓
32	CP	16	32	2006	✓
33	BT	12	33	2013	✓
34	CP	14	34	2020	✓
35	BT	12	35	2027	✓
36	CP	16	36	2035	✓
37	BT	12	37	2043	✓
38	CP	14	38	2050	✓
39	BT	12	39	2055	✓
40	BT	12	40	2058	✓
41	CP	16	41	2106	✓

XBT

X2

Wind

Wind

Type	CH#	Drop#	Launch time	Good
BT	12	42	2114	✓
CP	14	43	2122	✓
BT	12	44	2126	✓
CP	16	45	2130	✓
BT	12	46	2134	✓
CP	14	47	2138	✓
CTD	16	48	2142	✓
CP	14	49	2146	✓
BT	12	50	2150	✓
CP	16	51	2154	✓
CTD	14	52	2158	✓
CTD	16	53	2204	✓
CP	12	54	2206	✓
CTD	16	55	2210	✓
CP	14	56	2214	✓
BT	12	57	2218	✓
CP	16	58	2221	✓
BT	12	59	2225	✓
CP	14	60	2229	✓
CTD	16	61	2232	✓
BT	12	62	2240	✓
CP	14	63	2246	✓
BT	12	64	2254	✓
CTD	16	65	2300	✓
BT	12	66	2300	✓

41

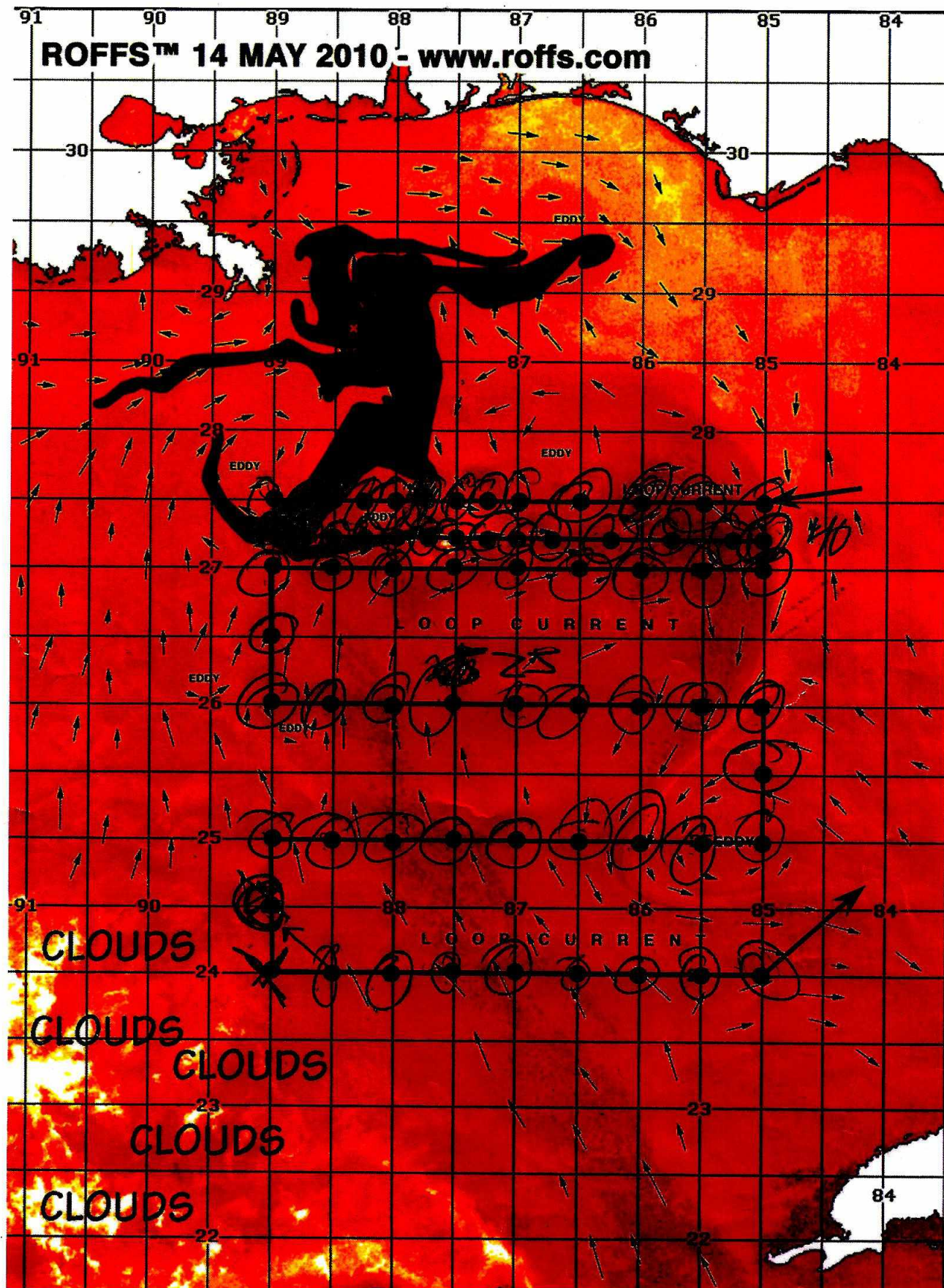
Project : Hurricanes '03

Mission: DEEP WATER HORSEZIN 2 Flight ID: 1005186

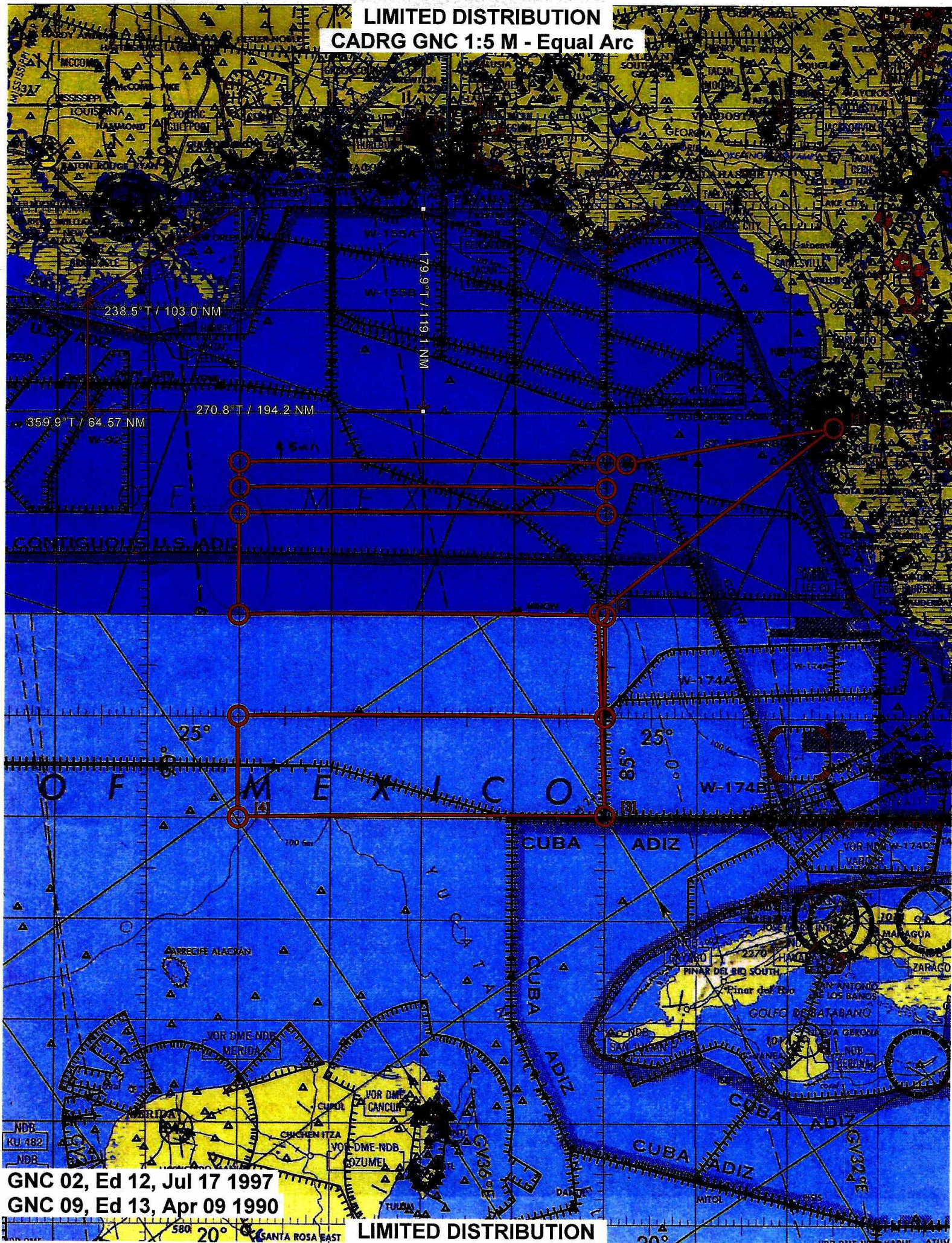
Take Off: _____ Landing: _____ Flt Dir: SEARS Launcher S/N: _____

[illegible]

1015



CADRG GNC 1:5 M - Equal Arc

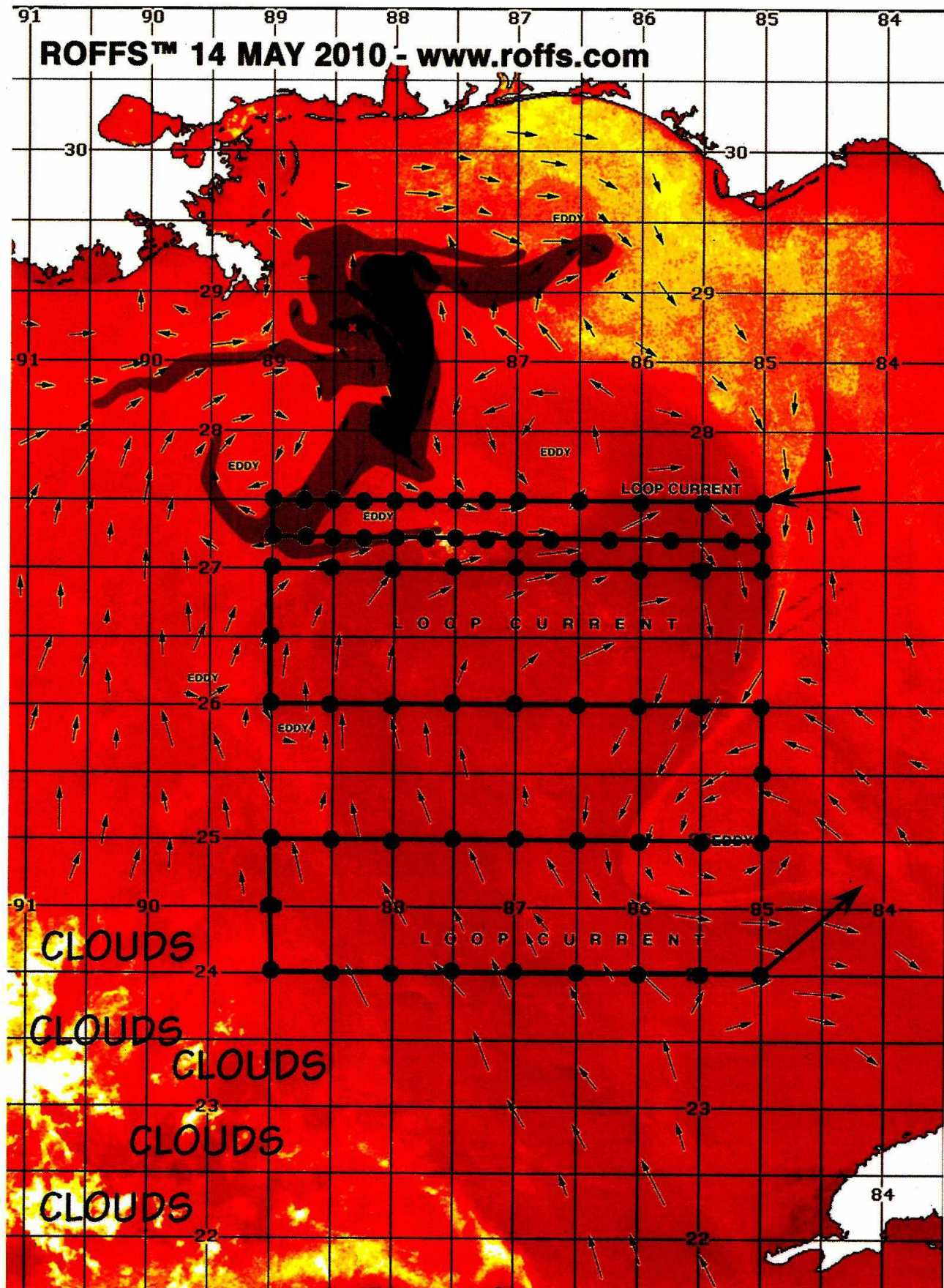


GNC 02, Ed 12, Jul 17 1997

GNC 09, Ed 13, Apr 09 1990

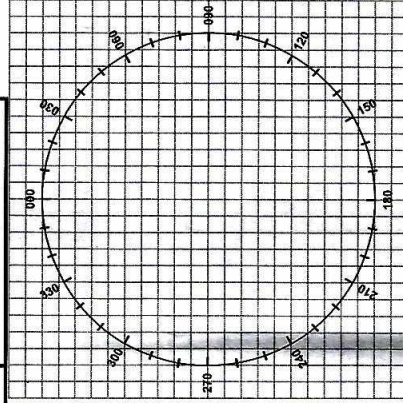
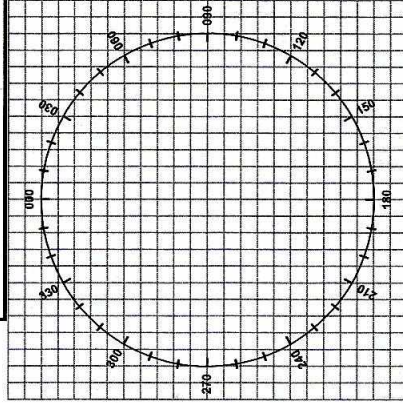
LIMITED DISTRIBUTION

ROFFS™ 14 MAY 2010 - www.roffs.com



FREQ	ALT	HDG	OTHER
133.30			985 493 7804
133.9			Omahe 126.4 133.45
			MST 2700' 8+15 1914m
			FAPU 400nm
			17508
			Omahe 131.4
			W-168
			0174 A Δ
			MOR 1600 13K 119.65
			2304

POSITION REPORT



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**

- POSITION

- 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 17 SOULS ON BOARD

- NATURE OF EMERGEN

- ASSISTANCE DESIR

- 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
14322	STRT 14352	Contact Humulus																			
1440	TAXI	Buy JJ E660																			
1445	T																				
1455	T/O	2420																			
1458	C	4-71C	PT 270		400 135.77		at PUMR	HF	130.7		11330										
1505	SPCN	2436 84401	2436 84401	0	2436 84407	0	285	3W	230	0	230	290	281	7	415	297					
1527	C	V. 440000	ELT PIN OPEN		8933																
1536	C	V. 440000	3844																		
1601	D	2402 5198 2040	2402 8614	0	2401 8615	0	271	2W	269	1R	272	220	170	7	6.5	219					
1611	C	01510000 2040	2040 8614	0	2040 8615	0	083	0	083	1R	087	212	240	3	8.5	211					
1717	D	2451 8848	2451 8848	0	2451 8849	0															
1817	D	2507 85	2507 85	0	2506 8501	0	003	3W	000	1R	002	213	287	7	5.5	209					
1841	C	000000 600000	2507 8635				270	1W	269	1R	270	208	159	1	5.5	207					
1918	D	2456 8756	2456 8756	0	2459 8757	0															
2119	D	2721 8635	2721 8636	0	2719 8637	0	272	2W	270	2R	272	203	221	11	5.5	211					
2206	D	2741 8723	2740 8724	0	2738 8726	0	091	2W	090	1R	089	216	254	15	5.5	204					

PAGE **OF**

FIX TYPES

FIX TYPES
(G) - GPS (I) - INS (R) - RADIO (V) - VISUAL (C) - CELESTIAL (D) - DR

[illegible]