

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF1

Flt ID: 0409M N1	From: KMCF	To: KMCF
Flt No: 04-111	Blk In: 1317Z	ATA: 1310Z
ETD: 0530Z	Blk Out: 0520Z	ATD: 0528Z
ETE: 8+30	Blk Time: 8+57 (8.0)	Flt Time: 7+42 (7.7)
Sponsor Org: NHC	Program: Hurricane Surv	Purpose: Hurricane Ivan

AOC Personnel

AC: McCann, B	Sys Eng: Howbrook, C
CP: Maxson, B / Finn, M	Data Sys: Hill, J
Nav:	Radar: Brown, I
FE: Rottvessel, K	GPS/BT:
FD: Flaherty, P	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
GOLDENBERG, S	HAPS	HRD

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

MISSION ID NAA9 3309A IVAN

C20

2.6 85.0

TEAL 17

TEALSY 1130Z

0711 22.22' 85.45'

0807Z 22 29 85.51 W 92.5

0324Z
RISK 21.9
FIX 85.2

0547Z 22 19
85.34
924 mb

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AOCWF2

Flt ID: **040914 N1** Time Off: **0528z** Time On: **1317z**

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1013.0	2994	1013.3	2995

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes		
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes		

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks



NOAA G-IV N49RF
2004 Hurricane Season
Hurricane Ivan



Flight ID: N040914N1

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW,VNS
Accelerometer	ACINS
Temperature Probe	AT1
Dew Point Probe	DPR
Altitude (for vertical wind derivation)	PALT
Static/Dynamic Pressure	PS1/QC1
True Air Speed	TAS1
Constants File	49cal041
Project Directory	406

T/O Weather KMCF 0455Z 10014KTS 7SM 27/24 A2989
Land Weather KMCF 1253Z 12018KTS 5SM 26/22 A2990

Notes:

PS1C read 1013.0 mb at takeoff, and 1013.3 at landing. DPL became INOP during descent. There were no other data gaps or spikes noticed during the flight. No dynamic corrections were applied to the measured static and dynamic pressures. Thus wind direction and wind speed may not be representative of actual flight level conditions. This was the last of 6 straight overnight flights into Hurricane Ivan.

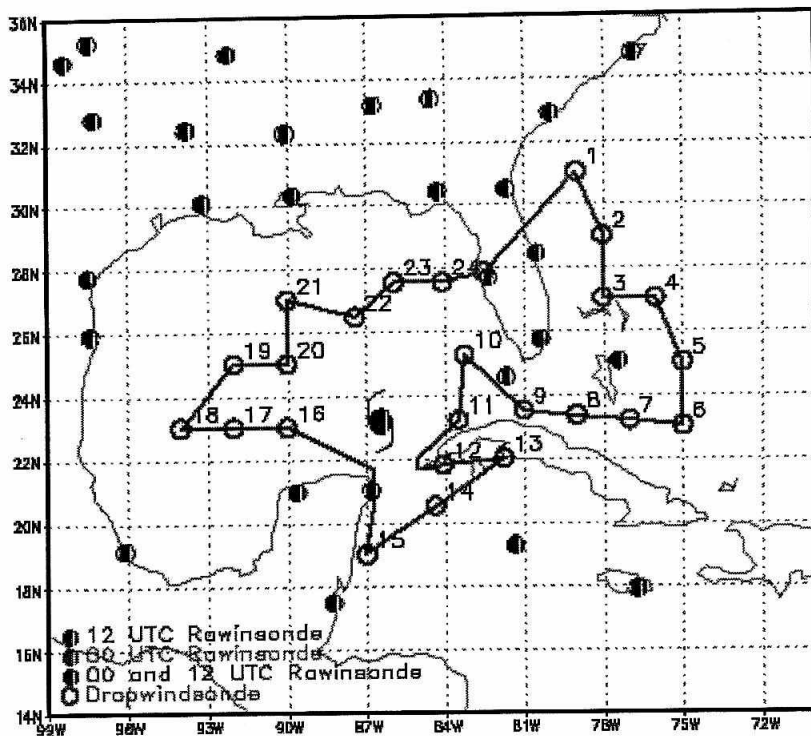
Flight Director: Flaherty (813) 828-3310 ext. 3094

N49RF AVAPS DropSonde Log

N49RF Project: HURRICANE '04 Flight ID 040914N
 Mission: IVAN Flight #: 24 Launcher S/N: 02 Status: Sys 1 Sys 2

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD <input checked="" type="checkbox"/>
1	011378046	1	0605	0	-	<i>OSM</i>	NO WINDS	<input checked="" type="checkbox"/>
1 B2V	023535395	2	0606	0	23			<input checked="" type="checkbox"/>
2 31	020835054	3	0622	0	43			<input checked="" type="checkbox"/>
3 4	022945221	1	0638	0	112		NO WINDS	<input checked="" type="checkbox"/>
3 B5V	034615015	2	0640	-1.7	28			<input checked="" type="checkbox"/>
4 46	034325107	3	0651	0	27			<input checked="" type="checkbox"/>
5 57	034615126	1	0708	0	51			<input checked="" type="checkbox"/>
6 68	034615226	2	0723	0	20			<input checked="" type="checkbox"/>
7 70	034615122	1	0739	0	21			<input checked="" type="checkbox"/>
8 80	034615119	2	0755	0	9			<input checked="" type="checkbox"/>
9 90	034615125	1	0811	0	18			<input checked="" type="checkbox"/>
10 100	034355095	1	0833	-6.6	-		NO WINDS	<input checked="" type="checkbox"/>
10 100	034355092	2	0835	0	22			<input checked="" type="checkbox"/>
11 110	034355099	3	0844	0	31			<input checked="" type="checkbox"/>
12 120	034555251	1	0905	-1.9	68			<input checked="" type="checkbox"/>
13 130	040925159	2	0917	0	13			<input checked="" type="checkbox"/>
14 140	040925165	3	0921	0	35			<input checked="" type="checkbox"/>
15 150	034955097	1	0936	0	57			<input checked="" type="checkbox"/>
16 160	040925153	2	0948	0	24			<input checked="" type="checkbox"/>
17 170	034955096	1	0958	0	63			<input checked="" type="checkbox"/>
18 180	034925152	1	1033	0	20			<input checked="" type="checkbox"/>
19 190	034555232	2	1047	0	21			<input checked="" type="checkbox"/>
20 200	035135021	1	1102	0	24			<input checked="" type="checkbox"/>
21 210	033048169	2	1116	0	28			<input checked="" type="checkbox"/>
22 220	035135045	1	1136	0	13			<input checked="" type="checkbox"/>
23 230	040925174	2	1151	0	37			<input checked="" type="checkbox"/>
24 240	040925100	1	1205	0	92			<input checked="" type="checkbox"/>
25 250	035135007	2	1223	0	77			<input checked="" type="checkbox"/>
26 260	034955112	1	1238	0	135		LATE WINDS	<input checked="" type="checkbox"/>
27 270	033048175	3	1242	0	30			<input checked="" type="checkbox"/>
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ORIGIN: COLA/IBES

2004-08-13-11:34

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: IVAN

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 14/0530Z

DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	31 00	79 00		0:46
2	29 00	78 00		1:04
3	27 00	78 00		1:20
4	27 00	76 00		1:35
5	25 00	75 00		1:52
6	23 00	75 00		2:09
7	23 10	77 00		2:24
8	23 20	79 00		2:39
9	23 30	81 00		2:54
10	25 15	83 15		3:16
11	23 12	83 30		3:33
12	21 48	84 04		3:59
13	22 00	81 45		4:16
14	20 30	84 23		4:40
15	19 00	87 00		5:03
16	23 00	90 00		5:53
17	23 00	92 00		6:08
18	23 00	94 00		6:23
19	25 00	92 00		6:45
20	25 00	90 00		6:59
21	27 00	90 00		7:16
22	26 28	87 26		7:35
23	27 33	85 56		7:49
24	27 33	84 04		8:03

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