

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

AOCWF1

Fit ID: 040915 N1	From: KMCF	To: KMCF
Fit No: 04-	Blk In: 1318	ATA: 1310z
ETD: 0530z	Blk Out: 0513z	ATD: 0525z
ETE: 8+10	Blk Time: 8+05 = 8.1	Flt Time: 7+45 (78)
Sponsor Org: NITC	Program: Hurricane Surv	Purpose: Hurricane Juan

AOC Personnel

AC: McCann, B	Sys Eng: Hill, J
CP: Maxson, B / Fran, M	Data Sys: Hornbrook, C
Nav:	Radar: Brogan, D
FE: Rottveel, K	GPS/BT:
FD: Flaherty, P	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

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

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

~~NO~~ RECORD 6TH MIDNIGHT (OVERNIGHT) FLIGHT
IN A ROW *✓

25-6 87.4/w

Flt ID: **040915 N1** Time Off: **0525Z** Time On: **1310Z**

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1011.7	2989	1011.8	2940

	Number	Data Disposition / Date / Quality		
Flt Lvl Tapes				
Radar Tapes				
Cloud Physics Tapes				
Video Tapes				
AXBT				
AXCP				
AXCTD				
Dropsondes	30	(26 OBS)	4 (BAD)	(2 OBS HAD 1/2 WINDS)

Video

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

Remarks **0455Z 10014 hrs 75m 27/24 2989**



NOAA G-IV N49RF
2004 Hurricane Season
Hurricane Ivan



Flight ID: N040915N1

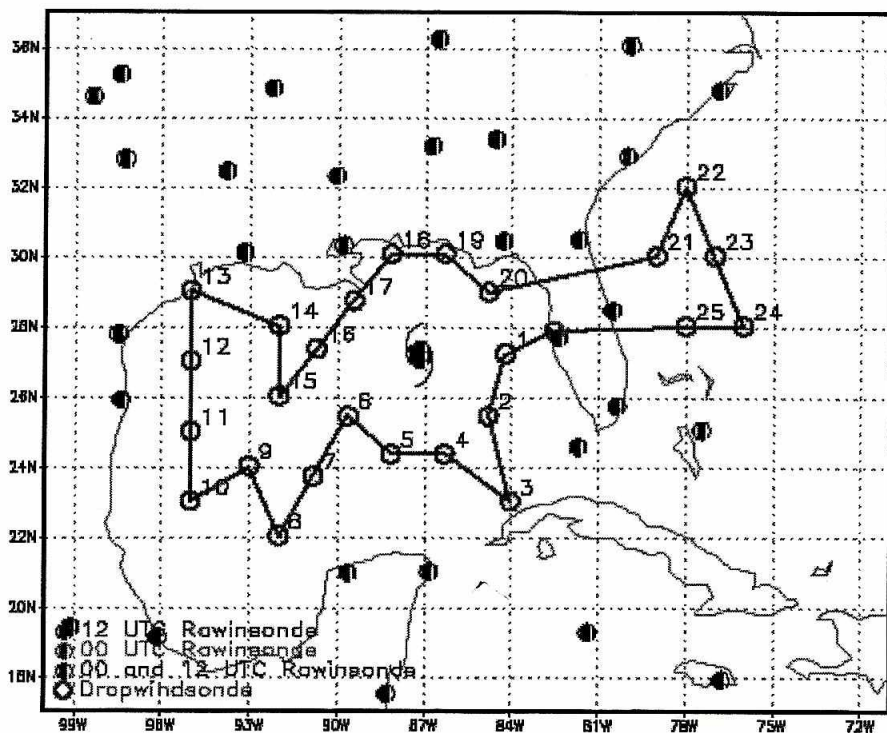
<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW,VNS
Accelerometer	ACINS
Temperature Probe	AT1
Dew Point Probe	DPR
Altitude (for vertical wind derivation)	PALT
Static/Dynamic Pressure	PS1/QC1
True Air Speed	TAS1
Constants File	49cal0 82
Project Directory	406

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

Notes:

PS1C read 1011.7 mb at takeoff, and 1011.8 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



GrADS: COLA/IGES

2004-08-13-14:43

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: IVAN

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 15/0530Z

DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	27 12	84 12		0:23
2	25 26	84 46		0:38
3	23 00	84 00		0:59
4	24 21	86 16		1:19
5	24 21	88 08		1:33
6	25 26	89 38		1:47
7	23 43	90 49		2:04
8	22 00	92 00		2:20
9	24 00	93 00		2:38
10	23 00	95 00		2:55
11	25 00	95 00		3:12
12	27 00	95 00		3:28
13	29 00	95 00		3:44
14	28 00	92 00		4:07
15	26 00	92 00		4:24
16	27 21	90 43		4:38
17	28 42	89 25		4:53
18	30 03	88 08		5:07
19	30 03	86 16		5:20
20	28 58	84 46		5:34
21	30 00	79 00		6:16
22	32 00	78 00		6:34
23	30 00	77 00		6:51
24	28 00	76 00		7:09
25	28 00	78 00		7:23

Handwritten notes:
1:30 AM
 2:04 — 2:30 AM
 4:07 — 5:30 AM
 6:16 — 7:30 AM
 6:34 — 7:45

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 HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: IVAN

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF Altitude: FL410-450 Proposed takeoff: 15/0530Z
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TRACK DISTANCE TABLE

#	LAT (d m)	LON (d/m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	MACDILL			0.	0.	0:00
1	27 12	84 12		98.	98.	0:23
2	25 26	84 46		110.	208.	0:38
3	23 00	84 00		152.	361.	0:59
4	24 21	86 16		149.	510.	1:19
5	24 21	88 08		102.	611.	1:33
6	25 26	89 38		105.	716.	1:47
7	22 00	92 00		244.	960.	2:20
8	24 00	93 00		132.	1093.	2:38
9	23 00	95 00		126.	1218.	2:55
10	29 00	95 00		361.	1579.	3:44
11	28 00	92 00		169.	1748.	4:07
12	26 00	92 00		120.	1869.	4:24
13	30 03	88 08		319.	2187.	5:07
14	30 03	86 16		96.	2284.	5:20
15	28 58	84 46		102.	2386.	5:34
16	30 00	79 00		308.	2694.	6:16
17	32 00	78 00		131.	2825.	6:34
18	28 00	76 00		262.	3087.	7:09
19	28 00	78 00		106.	3193.	7:23
20	MACDILL			240.	3433.	8:06