

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

Fit ID: 040915N	From: Kmcf	To: Kmcf
Fit. No: 0P - 114	Blk In: 0133 z	Time On: 0124 z
ETD: 1730 z	Blk Out: 1713 z	Time Off: 1723 z
ETE: 8 + 00	Blk Time: 8 + 20 (83) Hrs	Flt Time: 8 + 05 (8.1) Hrs
Sponsoring Org: NHC	Program: Surveillance	Purpose: Ivan

**AOC Flight Crew**

Aircraft Commander: Finke, m	Data System: Roles, J
Co-Pilot: Poston, R , Hagen, J	AVAPS: Goldstein, A
Navigator: /	System Eng:
Flight Eng: /	A A:
Flight Director: Mayeaux, m,	A A:
Avionics: Carpenter, O	Crew Chief:

**Participating Scientists / Visitors**

Name (Last, First)	Activity on Aircraft	Affiliation
Landsea, C	Hops	HRD
Dickey, B	media	Government Exec mag
Casano, P	media	WNYT-TV
Odell, W	obs	Aoc

<b>Remarks (Storm Name, Mission ID, Recco Times, Fix Times)</b>	<b>Recco Times</b>	<b>Fix #</b>	<b>Fix Time</b>
Storm Name: _____	N099 4109A IVAN	1745Z	27°52'N
Mission ID: _____	Tra 117 21Z -10000FT	937 <sub>ms</sub>	88°14'W
Penetration number and time	Tra 199 11000 18-21Z		
	N099 43 00Z		
	N099 42 - Takeoff 18Z		

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

Flight ID: **040915N**      Time Off: **1723**      Z      Time On: **0128**      Z

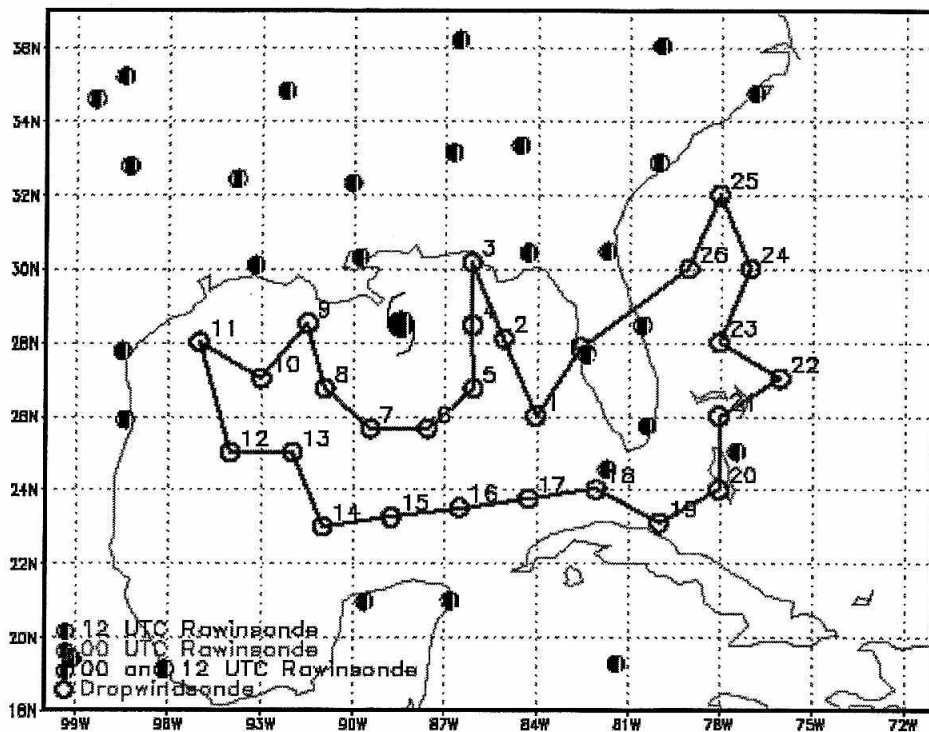
	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	<b>1013.0</b> mb	<b>2992</b> mb	<b>1016.4</b> mb	<b>3008</b> mb

ATIS	Time	Observation
Takeoff	<b>1555 Z</b>	<b>1401Z KTG 19KT 75m BL020 0V0700 29/25 A2992</b>
Land	<b>0053Z</b>	<b>0800Z KT 105m 0V000 25/24 A3008</b>

	Number	Data Disposition / Date / Quality
Flight Level Tapes		
Radar Tapes		
Cloud Physics Tapes / CDs		
Video Tapes		
Drosondes	<b>28</b>	<b>Good: 26    Bad: 2</b>
AXBT		
AXCP		
AXCTD		

**Remarks:**  
 Man data station lockup at 0110z





GRADE: COLA/16ES

2004-08-14-11:04

---



---

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: IVAN

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF      Altitude: FL410-450      Proposed takeoff: 15/1730Z

---



---

DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	26 00	84 00		0:29
2	28 05	85 03		0:47
3	30 10	86 07		1:06
4	28 27	86 05		1:20
5	26 44	86 04		1:34
6	25 39	87 34		1:48
7	25 39	89 26		2:02
8	26 44	90 56		2:16
9	28 30	91 30		2:31
10	27 00	93 00		2:47
11	28 00	95 00		3:04
12	25 00	94 00		3:29
13	25 00	92 00		3:44
14	23 00	91 00		4:02
15	23 15	88 45		4:19
16	23 30	86 30		4:36
17	23 45	84 15		4:53
18	24 00	82 00		5:10
19	23 06	79 57		5:27
20	24 00	78 00		5:43
21	26 00	78 00		5:59
22	27 00	76 00		6:16
23	28 00	78 00		6:33
24	30 00	77 00		6:51
25	32 00	78 00		7:08
26	30 00	79 00		7:26

28.9  
88.2

---



---

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: IVAN

Prepared by the Hurricane Research Division File: current1.ftk

Aircraft: N49RF      Altitude: FL410-450      Proposed takeoff: 15/1730Z

---



---

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	26 00	84 00		137.	137.	0:29
2	30 10	86 07		275.	411.	1:06
3	26 44	86 04		206.	618.	1:34
4	25 39	87 34		104.	722.	1:48
5	25 39	89 26		100.	822.	2:02
6	26 44	90 56		104.	926.	2:16
7	28 30	91 30		110.	1037.	2:31
8	27 00	93 00		120.	1157.	2:47
9	28 00	95 00		122.	1279.	3:04
10	25 00	94 00		188.	1468.	3:29
11	25 00	92 00		109.	1577.	3:44
12	23 00	91 00		132.	1709.	4:02
13	24 00	82 00		500.	2208.	5:10
14	23 06	79 57		125.	2333.	5:27
15	24 00	78 00		121.	2454.	5:43
16	26 00	78 00		120.	2574.	5:59
17	27 00	76 00		123.	2697.	6:16
18	28 00	78 00		122.	2820.	6:33
19	30 00	77 00		131.	2951.	6:51
20	32 00	78 00		131.	3082.	7:08
21	30 00	79 00		131.	3213.	7:26
22	MACDILL			226.	3438.	8:07