

FLT ID: ⁰⁵ 0828N	FM: KMLF	TO: KMLF
FLT NO: 05-131	BLK IN: 1346	ATA: 1837
ETD: 0530Z	BLK OUT: 0530	ATD: 0542
ETE: 8	BLK TIME: 8:16 (8.3)	FLT TIME: 7:55 (7.9)
SPONSOR ORG: <i>AFte</i>	PROGRAM: <i>Sea-View Name</i>	PURPOSE: <i>H-Katrina D-Flight</i>

DAO PERSONNEL

AC <i>Fryke</i>	SYS ENG <i>Smith</i>
CP <i>Roston/Odeh</i>	DATA SYS <i>Delgado</i>
NAV	RADAR <i>Kerr</i>
FE	BT/ODW
RADIO	CLD PHYS
FD <i>Rush</i>	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
<i>Goldenberg, S.</i>	<i>WAS</i>	<i>HRD</i>

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

16124 KATRINA 0530Z/45 09Z TEAL64 0326Z 2459N 86 23W 936ms

1708 010/13 Dropped 25 sondes. Sent 23 mag 200 Buckle up 3.

26/24 120/7 Called in Radar Fix 0646Z 25°10'N 86°50'W C25.

120/8kts 29/25

1009.2

(900)

Flight ID: 050828N1

H. KATANA Surveillance

Page 1 of

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

Form 413-2

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt.	Geo. Alt.	Stc Press.	Press. Stc	Dyn. Press	Remarks
060952	25 20	83 28	216	218	184	11-5	-48	-49	12345	12308		203		Drop 1
20611														Drop 1 Backup
062945	24 15	84 59	249	258	238	17	-55	-55	13181	13140		177		Drop 2
063946	24 03	86 51	291	292	282	25	-54	-52	13284	13139		177		Drop 3
064607	24 31	87 25	314	311	296	26	-54	-48	13181	13139				ChA Kat, 50 mi
065729	25 20	27 62			358	17	-54	-54	13214	13173		177.6		Drop 4
071235	27 06	88 53	233	233	25	6.4	-54	-61	13237	13197		172.5		Drop 5
072727	28 52	88 19	228	224	85	5	-59	-61	13534	13495		169		Drop 6 ^{LOST}
074213	30 04	86 59	~	~	239	10.3	-526	-63.7	13524	13487		169		Drop 7
074724	29 16	88 20	239	240	249	4.9	-58	-63	13538	13499		169		Drop 8
081629	28 00	91 01	229	225	281	3.9	-58	-66	13530	13489		169		Drop 9
0831	27 55	92 57	~	~	253	8.4	-58.6	-69	13526	13486		169		Drop 10
084645	26 01	92 52	~	~	82	6.3	-60	-67.7	13747	13705		163		Drop 11
090027	25 55	91 06	~	~	103	6.9	-60	-68	13806	13782		161		Drop 12 No winds
090553	25 19	91 21	203	205	121	3.9	-60	-68	13814	13770		161		Drop 13
091718	24 02	91 52	~	~	108	7.3	-60	-68	13805	13759		161		Drop 14
093133	23 57	90 01	~	~	99	4.7	-61	-65	13811	13766		161		Drop 15
094910	22 02	88 58	~	~	65	7.9	-62	-66	13968	13920		157		Drop 16
101424	21 01	86 03	~	~	14.5	17.5	-62.5	-67.3	13966	13917		157		Drop 17
102912	19 09	85 57	147	153	67	18	-64.5	-69.2	14111	14060		153		Drop 18
104806	19 59	84 00	~	~	59	15	-65	-71	14121	14070		153		Drop 19
110436	20 00	82 00	70	76	33	21.8	-65	-72	14254	14203		150		Drop 20
112321	21 01	80 11	~	~	13	29.8	-67	-72	14375	14324		146.6		Drop 21
112721	21 10	80 40	~	~	10.9	29	-66.5	-73.0	14389	14338		146.1		Drop 22
120030	21 41	84 55	261	258	5.5	17	-65.5	-71.1	14435	14383		146.3		Drop 23
122225	23 14	83 30	71	75	357	14	-65	-67	14441	14391		146.2		Drop 24
124927	23 38	80 08	24	27	19	24	-67	-73	14413	14364		146		Drop 25

N49RF AVAPS DropSonde Log

N49RF Project: Hurricane Surv. '05

Flight ID 050828N

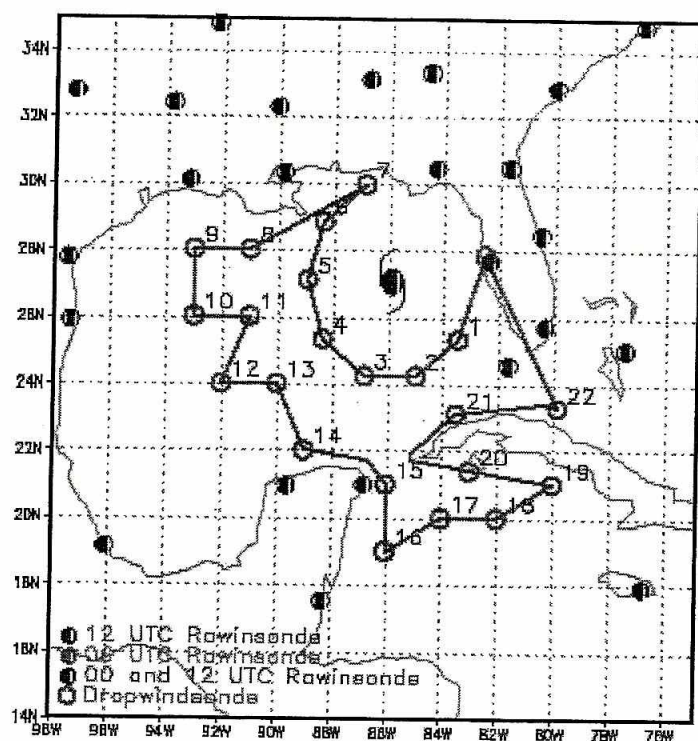
Mission: Katrina Flight #: 5

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 ☒
1	010748047	1	0610	1.8	←	JED	no winds	✓
2	003115462	2	0612	0	35	"		✓
3	011245157	4	0624	-1.8	35	"		✓
4	011118019	1	0639	-0.4	50	"		✓
5	011218128	2	0657	0.2	28	"		✓
6	011245154	4	0712	-0.5	1:39	"		✓
7	011218001	1	0727	-0.6	20	"	PTH lost halfway	✓
8	011115118	2	0742	-3.2	38	"		✓
9	004255064	4	0754	0	42	"		✓
10	011115122	1	0816	-1.4	49	"		✓
11	002158087	2	0831	0	48	"		✓
12	011245069	4	0846	-1.2	25	"		✓
13	011245077	1	0900	-1.1	3:00	"	late winds / no winds	✓
14	011245071	2	0906	-1.0	38	"	lost winds half way	✓
15	011118016	4	0917	-0.4	20	"		✓
16	011245076	1	0931	-1.3	24	"		✓
17	011245158	2	0948	-1.3	20	"		✓
18	003135284	4	1014	0	40	"		✓
19	011245175	1	1029	-2.9	50	"		✓
20	011245363	2	1048	-2.7	20	"		✓
21	011118025	4	1104	-0.5	40	"		✓
22	011245110	1	1123	-1.0	14	"		✓
23	011118015	2	1147	-0.4	1:05	"		✓
24	011245161	4	1200	-2.6	30	"	late winds	✓
25	011245073	1	1222	-1.4	56	"		✓
26	011245360	2	1249	-1.2	54	"		✓
27								
28								
29								
30								
31								
32								
33								



GADE: COLY/IES

NOAA G-IV 8/28 0530Z FLIGHT TRACK

2005-08-28-11:42

===== HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: KATRINA =====

NOAA/AOML/Hurricane Research Division: August 26, 2005 11:42:55 AM
 Aircraft: N49RF Proposed takeoff: 28/0530Z

TURN LOCATIONS *NOAA G-IV 8/28 0530Z Turn Locations*

#	LAT (d m)	LON (d m)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	27 51	-82 31	0.	0.	0:00
1	25 20	-83 28	160.	160.	0:22
2	24 15	-84 58	107.	268.	0:37
<i>24 00</i> 3	24 15	-86 50	106.	374.	0:51
4	25 20	-88 20	107.	482.	1:06
5	27 06	-88 54	110.	592.	1:21
6	28 52	-88 20	110.	703.	1:36
7	29 57	-86 50	106.	809.	1:50
8	28 00	-91 00	261.	1071.	2:26
9	28 00	-93 00	112.	1184.	2:42
10	26 00	-93 00	120.	1304.	2:58
11	26 00	-91 00	113.	1418.	3:13
12	24 00	-92 00	132.	1551.	3:32
13	24 00	-90 00	114.	1665.	3:47
14	22 00	-89 00	133.	1798.	4:05
15	21 42	-86 42	134.	1932.	4:24
16	21 00	-86 00	58.	1991.	4:32
17	19 00	-86 00	120.	2111.	4:48
18	20 00	-84 00	131.	2242.	5:06
19	20 00	-82 00	116.	2358.	5:22
20	21 00	-80 00	130.	2489.	5:39
21	21 42	-85 06	298.	2787.	6:20
22	21 54	-85 06	11.	2799.	6:22
23	23 06	-83 30	117.	2916.	6:38
24	23 24	-80 24	179.	3095.	7:02
25	23 17	-79 52	31.	3127.	7:06
26	27 51	-82 31	313.	3440.	7:49

===== HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: KATRINA =====

NOAA/AOML/Hurricane Research Division: August 26, 2005 11:42:55 AM
 Aircraft: N49RF Proposed takeoff: 28/0530Z

===== DROP LOCATIONS NOAA G-IV 8/28 0530Z Instrument Drop Locations =====

#	LAT (d m)	LON (d m)	TIME (h:mm)
1	25 20	-83 28	0:22
2	24 15	-84 58	0:37
3	24 15	-86 50	0:51
4	25 20	-88 20	1:06
5	27 06	-88 54	1:21
6	28 52	-88 20	1:36
7	29 57	-86 50	1:50
8	28 00	-91 00	2:26
9	28 00	-93 00	2:42
10	26 00	-93 00	2:58
11	26 00	-91 00	3:13
12	24 00	-92 00	3:32
13	24 00	-90 00	3:47
14	22 00	-89 00	4:05
15	21 00	-86 00	4:32
16	19 00	-86 00	4:48
17	20 00	-84 00	5:06
18	20 00	-82 00	5:22
19	21 00	-80 00	5:39
20	21 24	-83 00	6:03
21	23 06	-83 30	6:38
22	23 17	-79 52	7:06

29 16 Drop 6A
 88 20

From Sim Aberson <Sim.Aberson@noaa.gov>

Date Saturday, August 27, 2005 9:47 am

To jack.r.parrish@noaa.gov

Subject tips for tonight's flight

Jack,

Some comments about tonight's flight:

1. If sonde 6 fails, back it up when you go by that point between drops 7 and 8.
2. Don't worry about backing up 14.
3. If 15 fails, back it up when you round the western tip of Cuba.

Tomorrow afternoon's flight is on the web (short - 7 h), and I am almost done with the overnight.

Sim

--

Sim Aberson AOML/Hurricane Research Division Miami, FL
"Hurricane states erect statues in my honor." -- David Sedaris