

U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center				
FLT ID: 20110900N1		From: KMCF		To: KMCF
FLT #: 11-		Blk In: 0119 Z		Lnd Time(on): 0112 Z
ETD: 1730 Z		Blk Out: 1658 Z		T/O Time (off): 1709 Z
ETE: 8.5		Total Blk 8.21 (8.3)		Total Flt: 8:03 (8.1)
Sponsoring Org: NHC		Program: SURV (PHS)		Purpose: TDI3
AOC Flight Crew				
Aircraft Commander: Twining			Data System: Defeo	
Co-Pilot: Totn /			Avaps: Mascaro	
Navigator: /			System Engineer: Goldstein	
Flight Eng: /			AA: Paul, S	
Flt Director: Parrish / Williams			AA:	
Avionics:			Crew Chief:	
Participating Scientists, Visitors, & Add'l Aircrew on back. (8)				# of people listed on back:
	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1014.74	1014.76	1013.0	1014.1
ATIS - Takeoff		31/24 2998		
ATIS - Land		28/22 2996		
Data Source	Number	Data Disposition / Date / Quality / File Name(s)		
Flight Level Tapes				
Radar Tapes				
Dropsondes		40 Good: 38 Bad: 2 Sent: 38 WMO5		
AXBT				
List other data sources on back in Remarks section.				
Remarks (Storm Name, Mission ID, Recco Times, Fix Times)			Recco Times:	Fix # Fix Time
Storm Name: ↑				
Mission ID: NOAA9 0613A CYCLONE				

PQA/phaF.1

dr. redaway@ 1930Z

0313A

YOKOTA WX

3740ss.weather@yokota.af.m.

PMSV 344.6

N49RF AOC GPS Dropwindsonde Log

Flight ID: 20110902N

Flight Director: Williams/Parrish

Mission ID: 033A Cyclone

Storm/Track: Cyclone TD13 => Lee (about 4 days later)

Pg 1 of 1

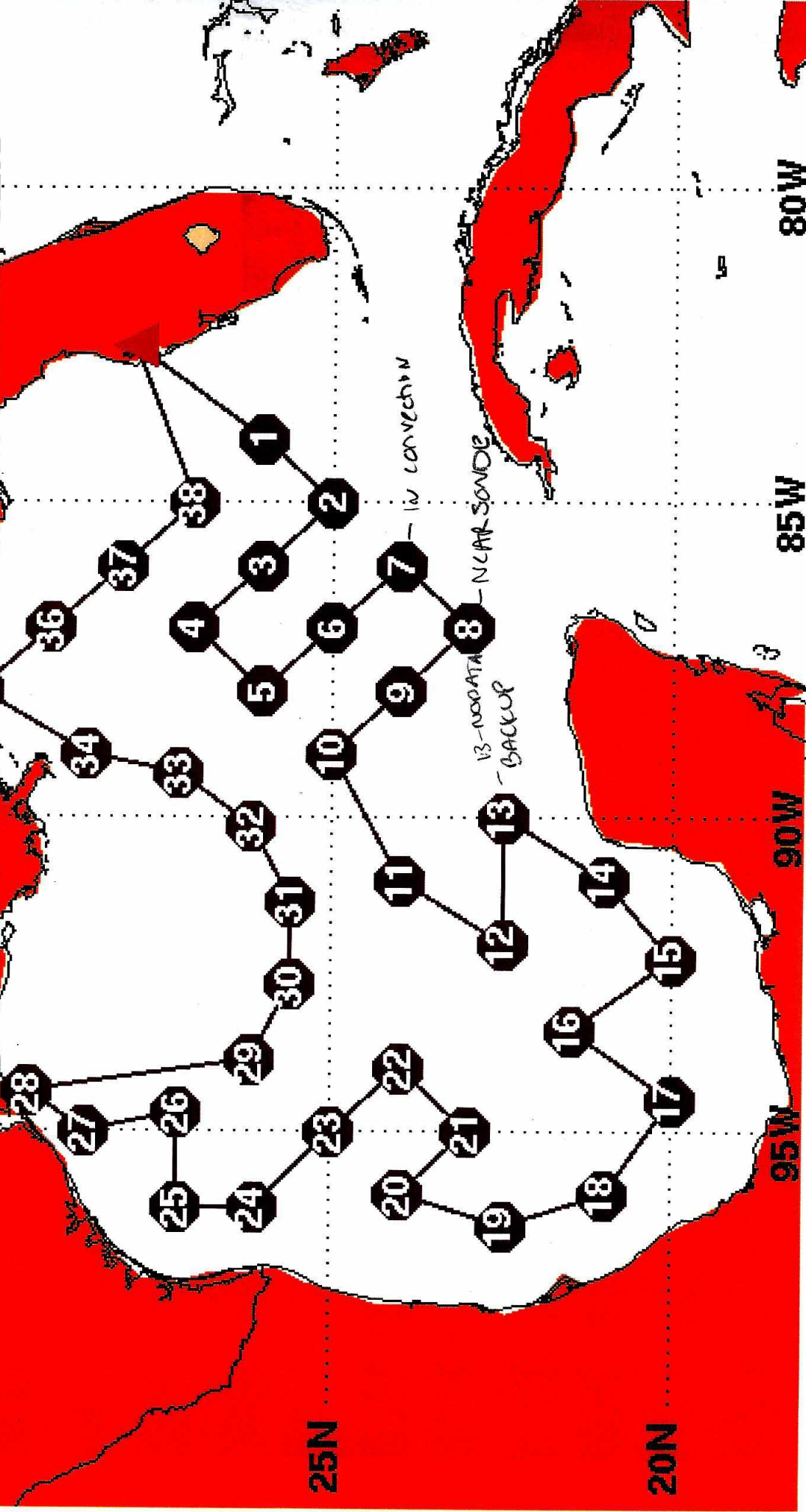
Ch. #	Drop #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°W)	Wx Cond.	L5/R5	SFC Prs (mb)	Ob #	R5 Lowest Winds (Ht, Ws, Wd) m/s	L5 Lowest Winds (Ht, Ws, Wd)	Sent Time (UTC)
1	1	102125219	173246	26.6	-84.4	Soup	R5	1014.2	01	138/5.8		180453
2	2	102135074	1743	25.1	-85.0	"	R5	1013.4	02	52/4.3		180713
3	3	102135085	17506	26.6	-86.9	"	R5	1012.1	03	118/10.2		181755
4	4	094635125	180621	26.9	-87.0	"	R5	1011.4	04	150/12.7		182509
1	5	094635164	181711	26.0	-86.9	"	R5	1010.1	05	156/17.3		183656
2	6	094615073	182743	25.0	-86.9	"	R5	1011.5	06	160/19.9		184917
3	7	102515257	183718	24.4	-86.2	"	R5	1011.1	07	172/22.0	Cell 24014	190003
4	8	112065195	184643	23.1	-87	"	R5	1010.0	08	177/18.4	NOAR Clue	190705
1	9	103515012	185822	24.4	-88	"	R5	1010.4	09	186/11.0		191853
2	10	102125024	190928	24.9	-89	"	R5	1010.0	10	210/15.2	00 FL RH	193407
3	11	102815154	192605	24.4	-91	"	R5	1008.3	11	NA	Lost 406 ~ 53m	194838
4	12	103855018	194019	22.5	-91.8	Soup	R5	1008.3	12	210/7.9		201237
1	13	2222222	200000	20.0	-90	Soup	R5	1009.0	13	213/7.9	Backup -	201648
2	13A	102815041	195540	22.2	-90.2	clearing	R5	1008.5	14	180/6.9		202811
1	14	102535196	200651	21.4	-91	"	R5	1008.2	15	189/4.8		203830
2	15	101655164	201807	20.1	-92.2	"	R5	1007.5	16	261/4.8		205649
4	16	102515303	203239	21.4	-93.4	Undercast	R5	1007.1	17	100/2.7		210608
1	17	103525104	204544	20.1	-94.5	Cl, set	R5	1006.6	18	42/4.7		211936
2	18	103515216	205918	21.0	-96.0	"	R5	1007.1	19	25/3.7		213222
3	19	103525119	211234	22.5	-96.5	"	R5	1006.1	20	350/4.9		215028
4	20	103515214	212502	23.9	-95.9	OVC	R5	1006.3	21	323/5.2		215546
1	21	103515090	213538	23.1	-97.9	OVC	R5	1005.3	22	276/6.0		2210
2	22	103525094	214617	24.4	-94.1	"	R5	1004.4	23	267/7.0		2219
3	23	101935313	215706	25	-95	"	R5	1005.4	24	230/7.9		2230
4	24	101935312	2210	26.1	-96.2	"	R5	1006.1	25	038/5.8		2243
1	25	101915157	2219	27.2	-96.1	"	R5	1004.7	26	011/14.5		2255
2	26	102815034	2228	27.3	-94.8	"	R5	1006.1	27	650/15		2307
3	27	102525112	2239	28.5	-95	"	R5	1006.4	28			2309
4	28	102515002	2246	29.1	-94.4	"	R5	1003.4	29	316/8.8		2328
1	29	102515050	2311	26.2	-93.8	"	R5	1002.8	30	270/5.5		2341
2	30	102135066	2321	25.6	-92.7	"	R5	1003.1	31	213/11.1		2359
3	31	103525063	2331	25.6	-91.3	"	R5					

905 sec ->

[illegible]

NOAA G-IV Flight Track Drop Locations for INVEST (AL9320)

30N On 2011090300 the storm was centered at 28.5;-92.0



N49RF AVAPS DROP LOG

Lead Tech: Gabe Defeo

Project : Hurricane 2011

Mission: TD 13Flight ID: 20110902 N1Take Off: 1709

Landing: _____

Flt Dir: _____

WILLIAMS / PARRISH

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Winds Time	Operator	Charge \$\$ To	Comments	Good ?
1	102125219	1	-1.0	1732		MGM	PHS		✓
2	102135074	2	.9	1743					✓
3	102535085	3	.7	1755					✓
4	094635125	4	0	1806					✓
5	095035164	1	0	1817					✓
6	094615073	2	0	1827					✓
7	102515257	3	0	1837					✓
8	112065195	4	0	1846				NCAR CHUTE	✓
9	103515012	1	0	1858					✓
10	102125024	2	0	1909					✓
11	102815154	3	0	1926				LOST TELEMETRY AT 532MB	No
12	103855018	4	.9	1940					✓
13	102815041	2	0	1955					✓
14	102535196	1	0	2006					✓
15	101655164	2	.8	2018					✓
16	102515303	4	.8	2032					✓
17	103525104	1	0	2045					✓
18	103515216	2	.8	2059					✓
19	103525119	3	0	2112					✓
20	103515214	4	.5	2125					✓
21	103515080	1	.5	2135					✓
22	103525094	2	.7	2146					✓
23	101935313	3	.7	2157					✓
24	101935312	4	.8	2210					✓
25	102815157	1	.6	2219					✓
26	102815034	2	.7	2228					✓
27	102525172	3	.7	2239					✓
28	102515002	4	1.2	2246					✓
29	102515050	1	.8	2311					✓
30	102135066	2	1.5	2321					✓
31	103525063	3	0	2331					✓
32	103125276	4	.8	2341					✓
33	102015290	1	.8	2351					✓
34	103515317	2	.5	0002					✓

CHARGE

TO HFIP Per JMM

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Winds Time	Operator	Charge \$\$ To	Comments	Good ?
35	103525095	3	0	0015		mom	PH5		✓
36	102045036	4	0	0025				Fast Fall	NO
37	102145083	1	.7	0026					✓
38	103515106	2	.7	0034					✓
39	103515097	3	.5	0043					✓
40	116 SONDE SING			DROP #	13A			DROPPED NO DATA	
41	1025325058	2		1952					
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									

Drop Station Operator Notes

AVAPS Pre-Flight Check:

- Apply power to computer first, then AVAPS fan and AVAPS chassis.
- Start AVAPS., then start Soundings and set the Project Name and Flight ID.
- Update the Frequency band allocation as required:
Band A - W53rd, Band B - N42RF, Band C - N43RF, Band D - N49RF, Band E - not allocated
- Perform a prelaunch check on each channel, look for reasonable data and no CRC error status lights. On channel #1 only, select **Begin Data Collection**, then terminate the sonde. On channels 2 through 4, select **Abort** to cancel the sonde initialization. **STOP** the channel #1 sounding, enter **no drop** in the comments.
- 1. Verify the AVAPS Data mission folder has been created, and it contains files created from the channel #1 sonde.

AVAPS Launch:

- Select a sonde frequency in the Green band and away from other sondes
- Enter sonde pressure error offset if 0.4mB or greater
- To avoid interference with active sondes, do not pull the Power Enable Pin during pre-launch setup until after the umbilical is attached
- Select "begin data collection" and verify good data (no winds yet though) prior to putting sonde in launch tube
- For AVAPS I sondes, remove then reinstall screen over chute cap
- Loosen ribbon and extend end of ribbon to near, but not over, the sensor end of the sonde
- Place the sonde in the launch tube, sensor arm up, with the power pin socket facing starboard
- Verify the sonde is actively tracking GPS data prior to launch