

Flt ID: N000913	From: KMCF	To: KMCF
Flt No.: 00-36	Blk In: 0217z	ATA: 0208z
ETD: 1730z	Blk Out: 1718z	ATD: 1736z
ETE:	Blk Time: 8:59	Flt Time: 8:32
Sponsor Org: NHC	Program: HURR. SURV	Purpose: DIST. IN NW CARIB

AOC Personnel

AC: FINKE	Sys Eng:
CP: MCCANN / YATES	Data Sys: HILL / PRADAS-BERGUES
Nav:	Radar:
FE: KITSON	GPS/BT: SMITH
Avionics:	Cld Phys:
FD: DAMIANO ✓	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
KAPLAN	MAPS	HRD

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

2210z GPS receiver ~~was~~ failed. was replaced + working

23

225830z Temp jump near CB

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

AOCWF2

Flt ID: *N000913* Time Off: *1736Z* Time On: *0208Z*

A/C (Take Off) Wx Stn (Take Off) A/C (Land) Wx Stn (Land)

Pressure *1014.2* *30.00* *1013.1* *29.95*

	Number	Data Disposition/Date/Quality
Slow/Fast Flt Lvl Tapes	<i>1</i>	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	<i>22</i>	<i>2 bad; 20 good; 21 messages sent</i>

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

Remarks *BAL DWPTS 1816Z - 1820Z* *29.95*
Spoke to CARACH at 1940Z 2018Z 260 WD
2210Z GPS went out
225830Z Temp fine OVER CB

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

Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
180638			IN	CLD										
180715			out	of clod										
182400	2324	7918	145	146	275	10	-61.3	-71.3	12579	13150	-	175.2	89.6	
182749	2301	7900	129	127	296	9	-61.1	-67.7	12576	13153	-	175.3	88.7	DROP (CLD)
184500	2201	7650	116	114	315	10	-61.3	-65.6	12568	13148	-	175.5	89.2	BTW THN CLD
184941	2145	7615	116	114	312	9	-61.2	-64.8	12565	13154	-	175.6	89.5	DROP (28)
190000	2111	7500	116	114	318	6	-62.1	-64.3	12564	13145	-	175.6	88.2	IN CLD
191154	2027	7336	211	216	300	13	-62.0	-63.8	12561	13140	-	175.6	89.1	DROP (36) (CLD)
192216	1931	7432	251	254	327	14	-61.2	-63.7	12558	13141	-	175.8	88.2	DROP (55) (CLD)
193300	1930	7454	270	272	320	12	-61.1	-65.5	12557	13151	-	175.9	87.8	CLR
194956	1930	7800	279	280	314	18	-60.5	-66.3	12558	13167	-	175.8	90.4	DROP (26)
200400	1958	7938	287	286	298	14	-65.3	-70.2	13144	13750	-	159.5	79.8	THN CLD
201200	2016	8041	286	285	299	13	-65.0	-69.5	13143	13752	-	159.4	80.0	THN CLD
201934	2023	8128	216	212	211	8	-64.7	-67.0	13148	13751	-	159.4	81.9	DROP (32) CLD
202900	1916	8130	180	177	103	6	-64.7	-66.2	13142	13749	-	159.5	79.2	THN CLD (SUN)
203922	1800	8133	215	215	247	0	-64.7	-66.9	13138	13743	-	159.6	80.9	DROP (49) (CLD)
205800	1635	8328	233	231	129	3	-65.4	-70.1	13140	13748	-	159.6	79.8	CLD BLW
210312	1613	8401	255	255	108	3	-65.5	-69.1	13141	13746	-	159.5	81.1	DROP (27)
211300	1612	8517	270	270	345	5	-65.5	-70.8	13137	13739	-	159.5	78.5	THN CLD
212341	1624	8634	342	342	60	8	-65.5	-69.9	13143	13746	-	159.5	79.9	DROP (43) FP
214200	1833	8720	341	342	78	12	-65.2	-69.6	13138	13755	-	159.6	81.8	THN CLD
214548	1900	8732	318	317	90	10	-65.0	-69.1	13134	13750	-	159.7	79.4	DROP (13)
220900	2031	9008	300	297	192	11	-68.5	-73.8	13705	14313	-	144.9	71.0	CLD BLW
221658	2100	9100	279	277	167	3	-67.6	-73.6	13708	14285	-	144.9	72.2	DROP (55)
223152	2100	9300	270	272	353	10	-68.1	-73.9	13709	14330	-	144.8	73.2	DROP (39) FILL
223730	2100	9345	270	271	5	10								DROP (24)
224706	2114	9500	329	331	357	19	-69.2	-74.7	13707	14336	-	144.9	70.9	DROP (49)
231259	2100	9450	89	87	53	9	-68.1	-74.7	13703	14310	-	145.0	72.7	DROP (20)
233452	2404	9200	33	31	50	9	-66.9	-74.5	13706	14317	-	145.0	72.9	DROP (21)
235954	2658	9154	57	57	22	5	-67.4	-75.6	13707	14188	-	144.8	72.5	DROP (21)
002152	2655	8902	147	147	45	4	-66.7	-75.5	13701	14322	-	145.0	72.6	DROP (2)
004623	2462	8854	124	122	163	17	-68.0	-76.4	13699	14323	-	145.1	71.9	DROP (21)
010400	2400	8636	90	93	188	19	-69.2	-76.3	13701	14333	-	145.0	72.8	
010818	2405	8603	32	30	210	15	-69.3	-75.5	13703	14335	-	144.9	73.0	DROP (27)
011700	2510	8600	0	356	238	14	-69.0	-75.2	13709	14339	-	144.8	73.5	
13151	2659	8556	44	43	6	7	-67.8	-74.3	13714	14337	-	144.7	72.1	DROP (16) W
3357	2706	8541	70	68	15	7	-67.8	74.6	13713	14335	-	144.7	71.9	DROP (30)

G4 Hurricane Surveillance

N000913 Tropical Disturbance (NW Caribbean)

<u>DATA TYPE</u>	<u>SENSOR or OPTION</u>
INE	VEW, VNS
Accelerometer	ACINS
Temperature Probe	AT2
Altitude (for vertical wind)	PALT
Static Pressure	PS1M
Dynamic Pressure	QC1M
Dewpoint Probe	DPRC

Notes:

The GPS receiver failed at 2210Z. It was replaced and working at 2308Z so no valid wind data was available for almost one hour.

Both dewpoint sensors were balanced between 1816Z - 1820Z.

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.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1014.2mb	1013.1mb
Corrected tower pressure	1015.5mb	1013.7mb

Flight Meteorologist: A. Barry Damiano, (813) 828-3310 ext. 3073

N49RF AVAPS DropSonde Log

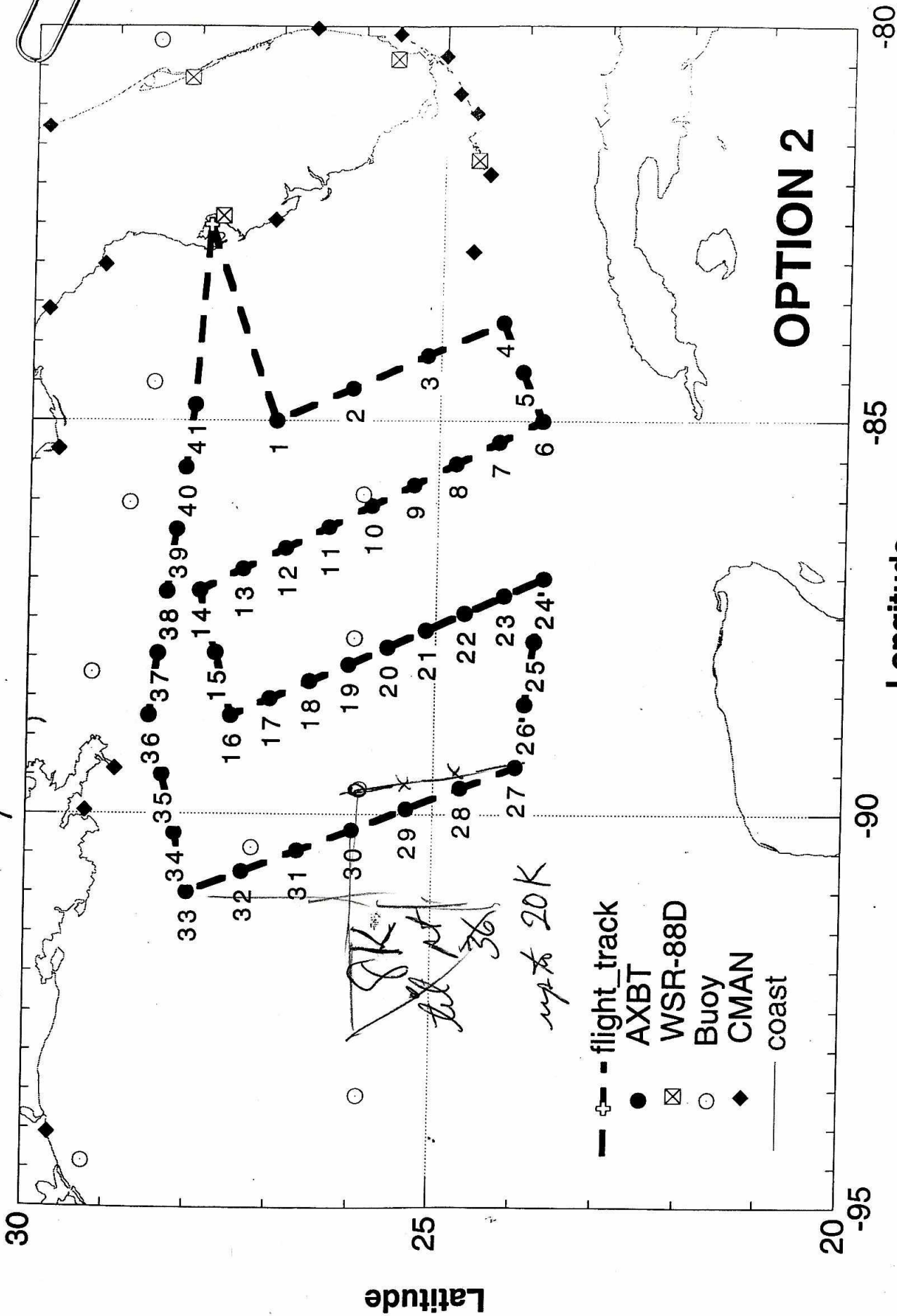
N49RF Project: Surveillance 2000 Flight ID 000913N

Mission: Disturbed Area Flight #: 5 System Status: R5-2.63 / 2.7.1

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD <input checked="" type="checkbox"/>
1	991828 065	1/5	1827	.5	26	JAS		✓
2	991018 036	1/5	1849	0	29	JAS	Poor GPS telem - CH5 good/1000	✓
3	992435 022	1/5	1912	0.9	36	JAS		✓
4	990 415 009	2/6	1922	1.5	55	JAS		✓
5	990 838 040	1/5	1950	0.7	26	JAS		✓
6	990 845 054	1/5	2019	0.9	37	JAS		✓
7	992 615 053	1/5	2039	0.8	44	JWH		✓
8	994 338 062	1/5	2103	0.3	27	JWH		✓
9	991 435 047	1/5	2124	0.8	413	JWH	Fastfall	B
10	990 845 028	1/5	2144	0.7	13	JWH		✓
11	992 455 498	1/5	2218	0.9	55	JWH		✓
12	994 024 070	2/6	2232	0.9	39	JWH	GPS dropped out R5	✓
13	993 215 279	1	2238	1.0	24	JWH	mouse L/U R5	✓
14	990 148 001	4/7	2247	1.0	14	JWH		✓
15	992 455 497	2/6	231300	0.8	24	JCPB		✓
16	983 620 759	1/5	2334	1.2	21	JCPB		✓
17	990838 024	1/5	2359	.5	21	JCPB		✓
18	994 338 073	1/5	0022	.3	9	JCPB		✓
19	994 325 195	1/5	0046	.5	21	JCPB		✓
20	984 325 509	1/5	0108	.7	21	JCPB		✓
21	990 415 073	1/6	0131	1.2	110	JCPB	LATE WINDS ^{NO WINDS R5}	B
22	985 035 053	2	0134	1.2	30	JCPB	Backup	✓
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

P1 collected on CH#1/5

N42RF



-95

-90

Longitude

-85

-80

HURRICANE RESEARCH
 DIVISION AOML/NOAA
XXXXX95

9/13/00 00 UTC

- BAMD
- BAMM
- BAMS
- VBAR
- A90E
- GFDL
- CLIP
- A98E
- A9UK
- LBAR

PLOTTED AT LOCAL TIME
 02:29:20 13-SEP-00

