

FLT ID: N980901	FM: KMCF	TO: KMCF
FLT NO: 98-047	BLK IN: 1511Z / 0150Z	ATA: 1507Z / 0142Z
ETD: 1430Z	BLK OUT: 1421Z / 1725Z	RTD: 1431Z / 1731Z
ETE:	BLK TIME: 50 / 8:25	FLT TIME: 36 / 8:11
SPONSOR ORG: NHC	PROGRAM: SURVEILLANCE	PURPOSE: T.S. EARL

DAO PERSONNEL

AC MAXSON	SYS ENG LINO
CP McCANN, FINKE	DATA SYS PRADAS-BERUNES
NAV	RADAR
FE KITSON	BT/ODW HORN BROOK
RADIO	CLD PHYS
FD DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
FRANKLIN ✓	HAPS	HRD
BLACK, M.	HAPS	HRD
WHITE ✓	PM	AOC

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

PICKED UP HRD FOLKS IN MIAMI (OPF)

Delivered on HD 1/4

U.S. DEPT. COMM./NORR/ORO - DATA SECTION WORK FORM NO.2 DROWFZ FILE

FLT ID: *N980901* TIME OFF: *1431Z / 1731Z* TIME ON: *1507Z / 0142Z*

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	<i>1012.7 / 1012.6</i>	<i>29.91 / 29.90</i>	<i>1011.7</i>	<i>29.93 29.89</i>

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

AXCP

~~GPS~~ GPS

27

26 messages sent

PHOTOGRAPHY

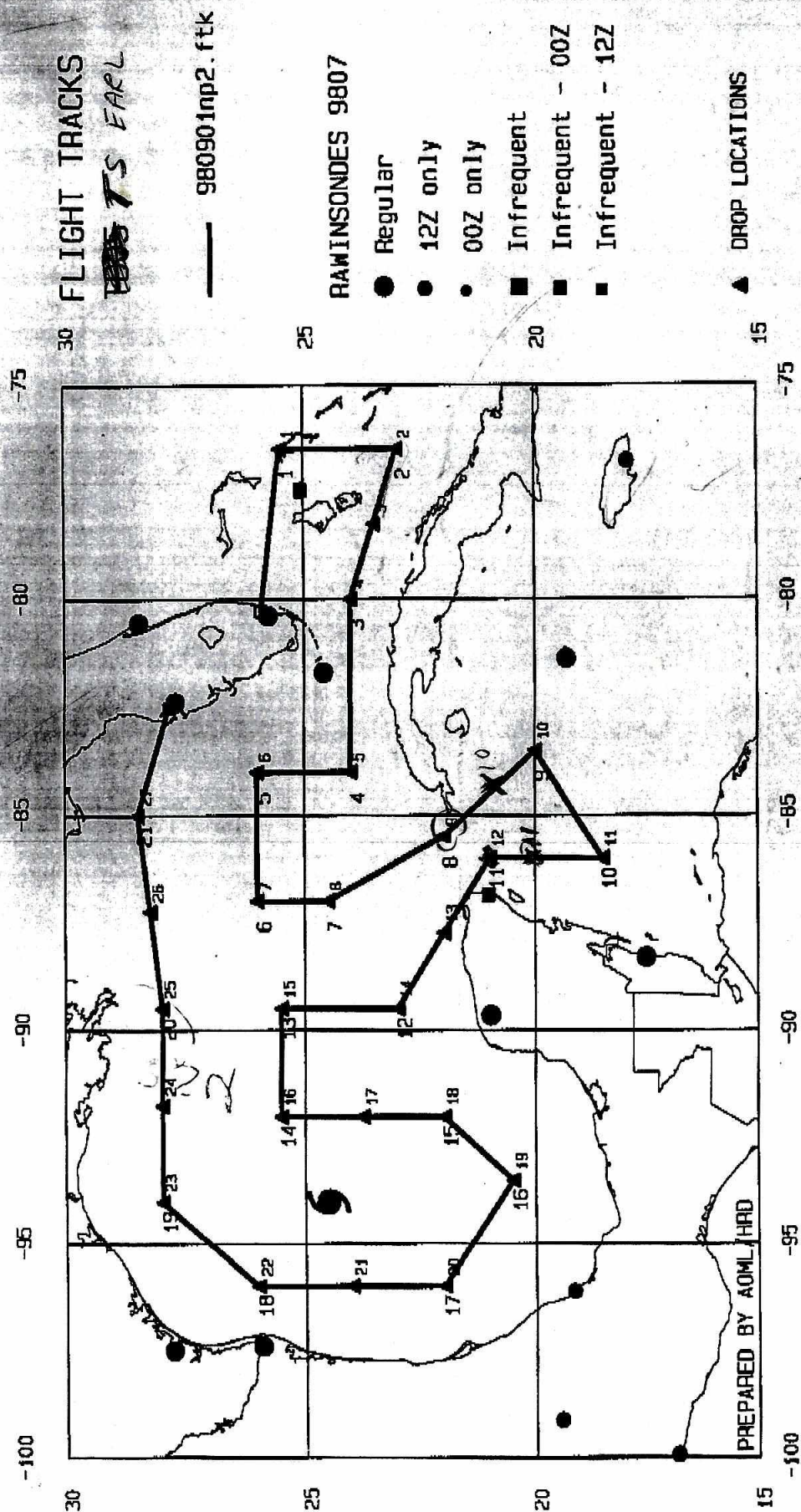
	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

Get sounding

N980901

TIME	LAT	LONG	TRK	HD	WD	WS	TA	TD	PA	GA		PS		PC
180135	2521	7652	172	169	11	16	-45	-48.4	11091	11617		224		DROP 104.7
180640	ABEAM OF CB (climbing)													
181100	2407	7640	172	166	26	27	-59.2	-62.9	12568	13154		175.6	IN THN CLD	86.2
181602	2325	7634	172	167	23	30	-59.1	-64.9	12567	13150		175.6		DROP 87.3
182500	2317	7731	287	293	11	28	-58.6	-63.9	12565	13162		175.7	IN THN CLD	86.9
183148	2330	7815	287	292	5	25	-58.2	-63.6	12564	13171		175.6		DROP 85.2
184554	2400	8001	271	274	350	17	-56.7	-65.8	12567	13184		175.7		DROP 89.8
190900	2400	8302	269	272	323	21	-58.3	-64.8	12557	13190		175.8	IN THN CLD	89.0
191737	2412	8400	359	356	339	23	-57.7	-62.9	12550	13191		176.0		DROP 88
193406	2600	8412	276	274	298	23	-57.7	-65.5	12545	13190		176.2		DROP 88.7
194400	2600	8527	270	269	275	15	-57.3	-61.4	12546	13184		176.1	IN THN CLD	87.6
195253	2548	8630	183	183	276	9	-56.4	-61.5	12549	13194		176		DROP 89.3
200316	2429	8629	165	163	315	9	-56.6	-63.5	12549	13193		176.1		DROP 90.2
202337	2200	8525	144	139	16	15	-57.4	-65.5	12544	13177		176.2		DROP 87.0
203456	2053	8440	235	236	15	15	-57.2	-66.1	12540	13177		176.3		DROP 88.4
204711	2015	8600	0	0	17	22	-56.8	-66.8	12547	13182		176.1	WOW	DROP 88.6
204854	2026	8600	0	0	18	22	-57.1	-67.1	12608	13258		174.0		DROP 83.2
210859	2156	8738	301	302	323	15	-62.2	-69.1	13128	13804		159.9		DROP 78.4
211000	ABEAM OF CB NEAR YUCIA TAN													
211600	2226	8818	311	311	326	14	-62.5	-63.9	13127	13798		159.9	IN CLD	80.0
212417	2309	8900	0	358	335	6	-62.1	-65.7	13128	13804		159.9		DROP 80.4
214100	2518	8900	0	357	314	9	-61.8	-64.7	13132	13800		159.9	IN THN CLD	80.5
214455	2530	8913	272	269	270	9	-61.3	-63.7	13125	13794		159.9		DROP 82.6
215620	ABEAM OF CB													
215907	2530	9100	266	264	249	22	-59.7	-53.2	13124	13781		159.9		DROP 71.6
220630	CROSSING CONVERG BAND													
221537	2345	9100	177	178	293	6	-61.1	-62.5	13131	13809		159.8		DROP 83.1
222700	2221	9100	180	179	331	0	-61.7	-69.3	13120	13804		160.0	ABV CLD	80.8
223008	2158	9105	225	224	285	2	-61.4	-68.8	13117	13790		160.1		DROP 80.2
224200	2107	9230	238	236	172	2	-62.7	-67.9	13121	13789		160.1	IN THN CLD	80.2
225322	2036	9340	303	303	348	4	-62.7	-67.7	13124	13785		160.0	THN CLD	DROP 79.7
231549	2209	9600	357	357	339	3	-67.2	-69.7	13704	14377		145.0	THN CLD	DROP 72.7
233043	2400	9600	0	357	274	7	-65.8	-69.4	13697	14383		145.1		DROP 72.2
233900	2501	9600	0	358	244	6	-65.6	-70.9	13694	14367		145.2	CLD	BLW 72.0
234723	2604	9555	36	36	184	12	-65.3	-71.9	13694	14368		145.1		DROP 72.9
235900	2712	9449	42	43	188	18	-64.3	-70.8	13692	14363		145.2		CLR 72.4
000752	2800	9353	80	85	189	18	-64.3	-69.9	13696	14372		145.2		DROP 73.7
001500	2800	9254	90	93	198	17	-65.4	-70.8	13694	14369		145.3	THN CLD	73.7
002259	2800	9145	90	91	220	13	-65.7	-71.4	13691	14376		145.2		DROP 72.1
003500	2800	9006	100	105	182	22	-66.9	-67.2	13697	14371		145.0	IN CLD	68.9
003936	2800	8930	101	105	214	20	-66.8	-64.9	13697	14375		145.0		DROP 71.0
005717	2815	8715	75	78	187	11	-66.7	-66.3	13711	14376		144.7		DROP 69.0
011121	2827	8509	83	84	251	30	-66.6	-68.3	13691	14369		145.0	(21)	DROP 75.3



N49RF Hurricane 98 AVAPS DropSonde Log

N49RF Project: Hurricane 98 Earl

Flight ID: 980901N

Mission: 420

Flight #: 12

System Status: O.K.

Drop #	Sonde Serial Number	Chn #	Time (Z)	Press. offset	Winds time	Operator	Comments / Drop Status	GOOD ☒
1	982010121	1	1801	-0.2	-48	CFH	Slow Fall	✓
2	982430019	2	1816	+1.4	-45	CFH	Slow Fall Bad Temp	
3	982630008	1	1831	+0.3	-28	CFH		✓
4	982010106	2	1845	+0.2	-28	CFH		✓
5	982010120	1	1917	+0.2	-56	CFH		✓
6	982430015	2	1934	+0.6	-33	CFH		✓
7	982430184	1	1952	+0.1	-40	CFH		✓
8	982010047	2	2003	+0.5	-46	CFH	Bad Temp	
9	982430182	1	2023	+0.3	-27	CFH		✓
10	982430092	2	2035	+0.4	-24	CFH		✓
11	982430066	1	2047	+0.1	—	CFH	LATE WINDS	
12	981750077	3	2048	+0.4	-39	CFH		✓
13	973720115	1	2109	+0.2	-22	CFH		✓
14	981950030	2	2124	+0.2	-17	CFH		✓
15	981010062	1	2145	+0.1	-21	CFH		✓
16	982640255	2	2155	+0.7	52	DL	Slow Fall	✓
17	982010020	1	2215	+0.6	56	DL		✓
18	980410230	2	2230	0	38	DL		✓
19	982430188	1	2253	+0.4	31	DL		✓
20	981950027	2	2315	-0.2	23	DL		✓
21	981010040	1	2330	+0.5	23	DL		✓
22	982010123	2	2347	+0.5	36	DL		✓
23	981750081	1	0007	+0.3	39	DL		✓
24	981030103	2	0023	+0.9	38	DL		✓
25	981750091	1	0039	0.4	48	DL		✓
26	981910008	2	0057	1.0	50	DL		
27	982430116	1	0111	0.6	41	DL		
28								
29								
30								
31								
32								
33								

NOAA/AOC/SED N49RF Flight Performance log – Hurricane 98

N49RF Project: Hurricane 98 Project No 420 Flight No. 12 Flight ID: 980901N
 SED Crew: Lino, Hornbuck, Prodas Mission: Tropical Storm Earl
 Pre-Flight: 1330 Z Take-Off: 1426/1730 Z Landing: 1508/0142 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight	
N A V	IRS #1		<i>chk</i>			
	IRS #2		<i>chk</i>			
	IRS #3		<i>chk</i>			
	GPS Honeywell #1		<i>chk</i>			
	GPS Honeywell #2		<i>chk</i>			
	GPS Collins		<i>chk</i>		Off? ☒	
	Nose Radar -Collins				Off? ☒	
T E M P	Time	Temp °C			Time	Temp °C
	Temp #1	113.58	32.7	<i>✓</i>	0145	27.7
	Temp #2		31.7	<i>✓</i>		27.6
	Temp #3		33.2	<i>✓</i>		27.7
	Temp #4		31.9	<i>✓</i>		26.8
	DP Left		24.3	<i>✓</i>	Cal. Time:	22.5
P	DP Right		22.7	<i>✓</i>	Cal. Time:	22.8
P	Attack Angle (ADCAOA)		<i>chk</i>			
R	Slip Angle (BP/DBP)		<i>chk</i>			
E	Differential (PQ1/PQ2)		<i>chk</i>			
S	Absolute (PS1/PS2)		<i>chk</i>			
S	Check Radome Press. Lines ☒		Date: 980827			
S	DOWN PRT-5 ⇒ Open? ☐		N/A		Closed? ☐	N/A
Y	MADS (WINDS/DISCWIN)		<i>chk</i>		# DATs: 1	
S	MADS Printer ⇒ Paper? ☒		<i>chk</i>		Printer Power off? ☒	
T	MADS Cal. Date: <i>chk</i>		QC time: 0715		QC time: 0145	
E	WINDS ⇒ NET BCAST ☒		<i>chk</i>			
M	HAPS System / Time set? ☒		CHF		# Msg.: 26 # Fail: 12	
S	AVAPS System / Time set? ☒		CHF			
	AVAPS Printer ⇒ Paper? ☒		<i>chk</i>			
	Exterior Walk Around ☒		3CDB/OL			
	Inspect DropSonde Chute Bolts		<i>chk</i>			
	Satcom (Flight Phone) ☒		<i>✓ SW</i>		Off CB? ☒	
	Call COMSAT? ☐ (*292#)		<i>✓ SW</i>			
M	FCU/UPS/CB		CB's Checked? ☒ <i>chk</i>		UPS off? ☒	
I	AVAPS Sondes		# On Board: 151	# Dropped: 27	# Good: 25	
S	AXBT		# On Board: N/A	# Dropped:	# Good:	
C	APN-232		<i>chk</i>			
	Modem Power On? ☒		<i>chk</i>			

1	DAT Tape #1	On: 0715	Type:	Off: 0151
2	DAT Tape #2	On:	Type:	Off: 0151
Comments:				