

FLT ID: N980923	FM: KOPF	TO: KMCF
FLT NO: 98-055	BLK IN: 0208Z	ATA: 0159Z
ETD: 1730Z	BLK OUT: 1724Z	ATD: 1733Z
ETE:	BLK TIME: 8:44	FLT TIME: 8:26
SPONSOR ORG: NHC	PROGRAM: HURR. SURVEILLANCE	PURPOSE: H-GEORGES

DAO PERSONNEL

AC MAXSON	SYS ENG HILL
CP FINKE, McCANN	DATA SYS PRADAS-BERONES
NAV	RADAR
FE KITSON	BT/ODW McNAMARA/McMILLAN
RADIO	CLD PHYS
FD DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
LANDSEA	HAPS	HRD
WHITE	PM	POC

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

Skipped drop 21 due to fuel constraints

U.S. DEPT. COMM./NOAA/ORD - DATA SECTION WORK FORM NO.2 ORWF2 FILE

FLT ID: *N980923* TIME OFF: *1733Z* TIME ON: *0159Z*

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	<i>1010.9</i>	<i>29.85</i>	<i>1011.5</i>	<i>29.88</i>

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	<i>1</i>	
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES		
AXBT		
AXCP		
ODW <i>GPS</i>	<i>30</i>	<i>27 messages sent</i>

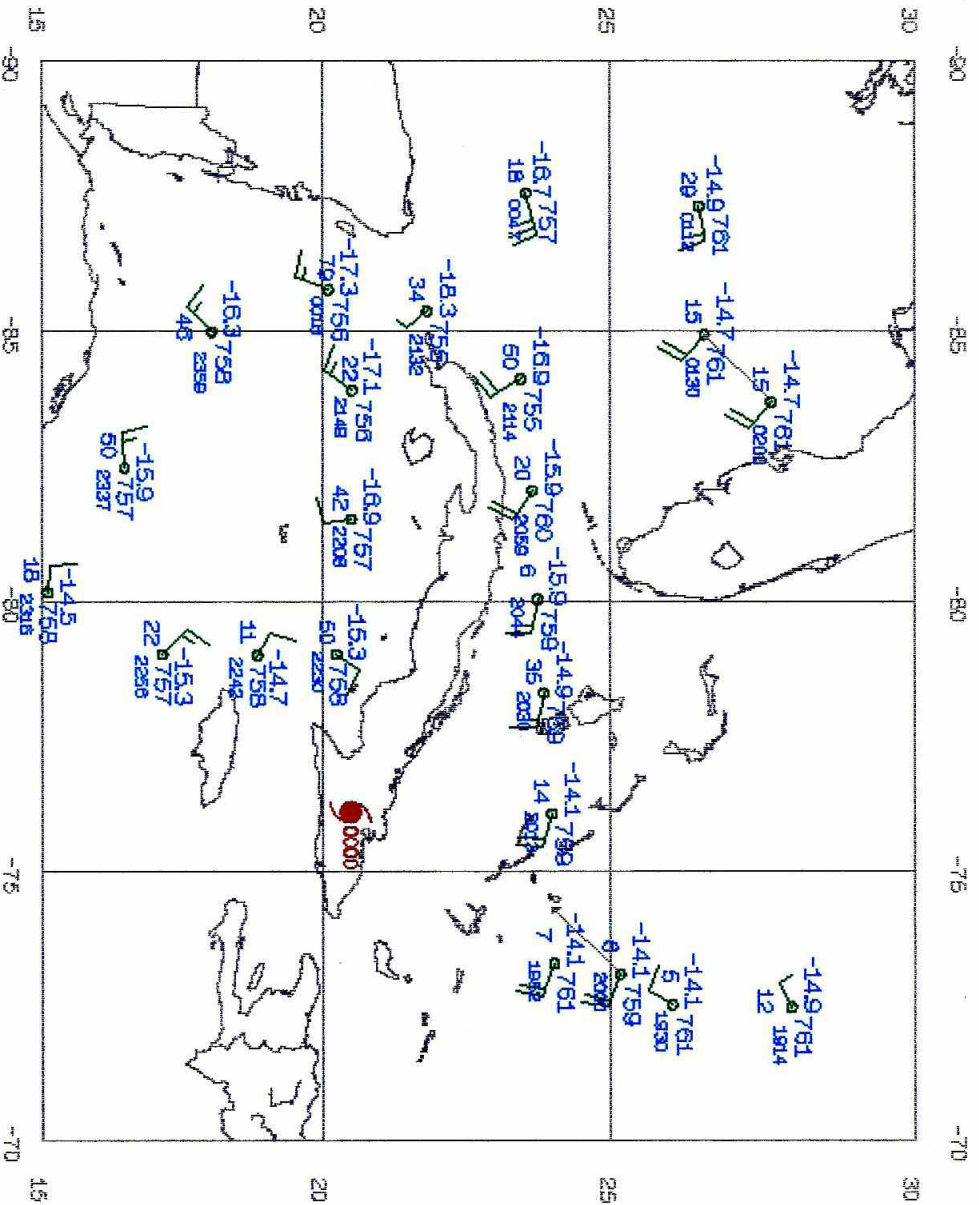
PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

N980923

TIME	LAT	LOU	TRK	HD	WD	WS	TA	TD	PA	GA	PS		PO
180252	2658	7700	0	359	140	6	-43.9	-53.1	10780	11345	233.0		111.8
181425	2823	7700	0	358	345	5	-59.0	-70.1	12560	13158	175.8		87.9
182400	2933	7700	0	357	306	9	-58.8	-67.9	12558	13154	175.8	CLD	87.9
182843	3000	7644	90	89	258	3	-59.1	-66.4	12558	13144	175.8		87.1
184232	3000	7445	90	89	225	5	-59.0	-64.2	12556	13140	175.9	THN CLD	88.6
185206	3000	7322	90	90	198	5	-58.7	-65.4	12556	13139	175.9	THN	87.8
185908	2946	7230	181	180	203	12	-58.9	-66.3	12552	13156	176.0		87.7
191469	2800	7230	180	179	194	10	-59.0	-66.9	12549	13161	176.0		87.9
192100	2711	7230	180	180	220	11	-58.7	-66.0	12547	13157	176.1	CL	87.8
193049	2600	7230	180	180	211	8	-58.4	-62.7	12544	13158	176.1		88.4
194829	2400	7244	270	268	237	11	-57.0	-62.9	12540	13166	176.3	FE	87.7
194959	2400	7256	270	266	217	15	-56.9	-61.5	12543	13173	176.4	NO W	87.7
125210	2400	7213	270	266	228	13	-57.4	-61.2	12541	13176	176.2	100 SEC	90.0
200009	2400	7415	270	267	235	11	-57.2	-61.7	12541	13169	176.3	100 SEC	87.8
201336	2400	7600	267	264	228	15	-57.6	-62.6	12540	13158	176.3		87.8
202902	2400	7800	266	263	201	6	-57.3	-69.4	12538	13162	176.4	NO W	87.7
203054	2400	7816	266	263	205	6	-57.1	-69.9	12538	13161	176.4		87.9
204411	2345	8000	267	265	266	7	-62.1	-73.2	13123	13764	159.9		79.9
205200	2341	8103	266	263	205	12	-61.3	-72.4	13123	13762	159.9		79.8
205916	2338	8200	266	261	188	16	-61.4	-70.9	13126	13758	159.9		81.2
211455	2326	8404	231	225	173	11	-59.7	-72.6	13122	13749	160.0		81.4
213217	2150	8520	136	135	137	21	-58.4	-73.1	13122	13731	160.1		79.6
214300	2058	8428	137	136	142	23	-58.7	-74.5	13119	13730	160.1		80.3
214925	2030	8354	97	98	147	22	-59.6	-75.0	13119	13726	160.1		79.2
215900	2030	8242	90	92	128	21	-59.9	-75.9	13118	13736	160.1		79.4
220853	2030	8130	90	92	128	21	-60.9	-75.9	13124	13758	160.1		81.6
222100	2030	8003	90	91	114	22	-61.7	-66.4	13119	13749	160.2		79.4
223049	2017	7900	180	175	122	19	-62.9	-67.0	13120	13750	160.1	THN CLD	79.0
224227	1854	7900	180	174	105	18	-63.0	-67.0	13120	13747	160.1		79.4
225633	1712	7903	203	197	110	18	-62.4	-66.1	13120	13750	160.2	THN CLD	79.8
221640	1507	8011	302	303	73	8	-67.1	-71.0	13698	14332	145.1		72.3
232800	1552	8127	302	302	98	13	-66.5	-70.6	13695	14344	145.1	THN CLD	73.8
233712	1630	8230	302	300	132	12	-66.2	-72.0	13697	14341	145.1		72.0
235400	1738	8423	302	298	176	13	-64.2	-74.9	13694	14309	145.2		72.9
235950	1803	8500	329	328	165	13	-64.1	-74.9	13694	14303	145.2		72.5
001652	2006	8546	345	346	115	13	-62.9	-76.1	13691	14302	145.2		73.7
003500	2211	8647	334	337	66	16	-67.8	-76.7	13697	14338	145.1		74.0
004731	2335	8730	0	2	88	12	-64.4	-77.7	13699	14346	145.1		74.8
010400	2537	8730	0	0	121	8	-65.8	-79.2	13693	14356	145.1		72.4
011216	2630	8715	86	86	114	6	-65.1	-79.4	13699	14357	145.1		72.4
012400	2630	8542	90	90	121	8	-66.0	-79.2	13694	14356	145.2		72.2
013012	2633	8453	57	57	93	6	-66.2	-79.3	13693	14356	145.2	30	72.5



GEORGES

400 mb

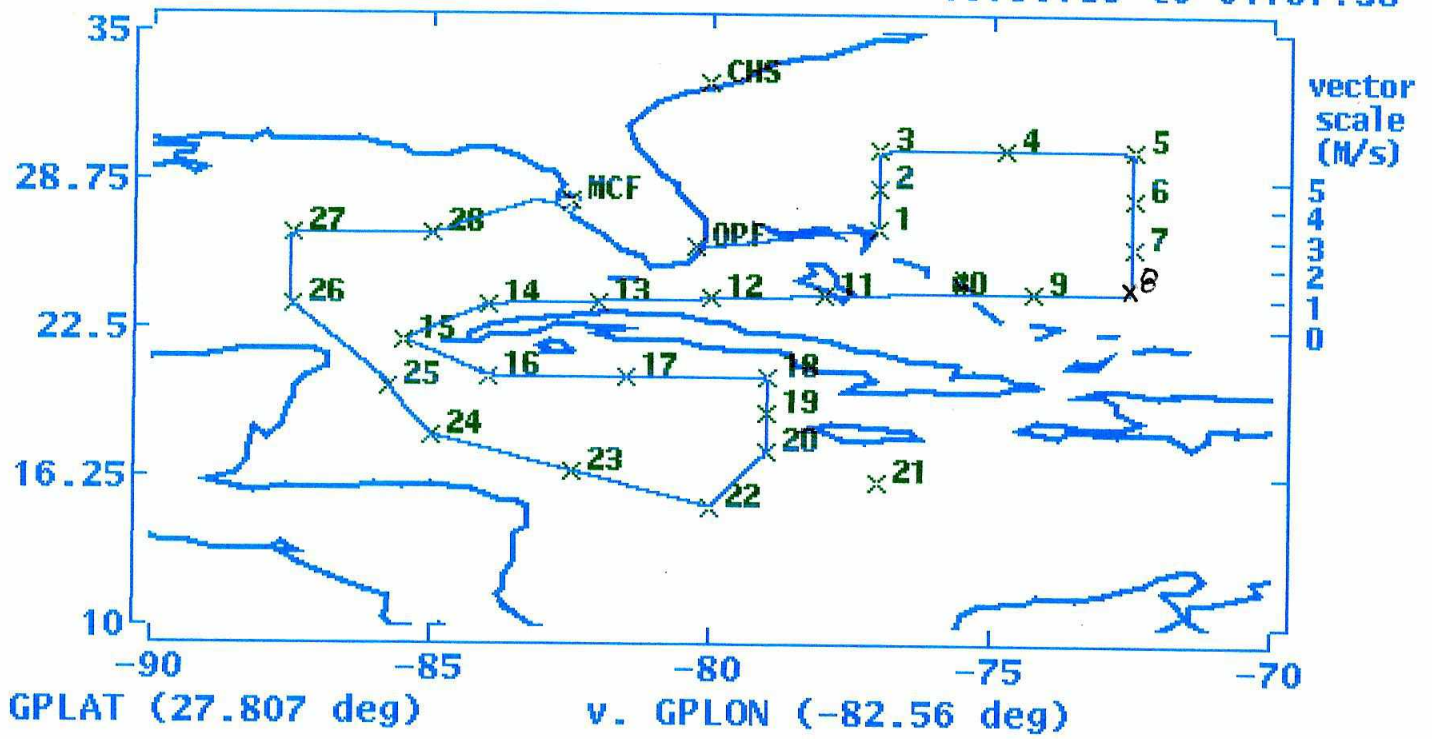
Date: 980923

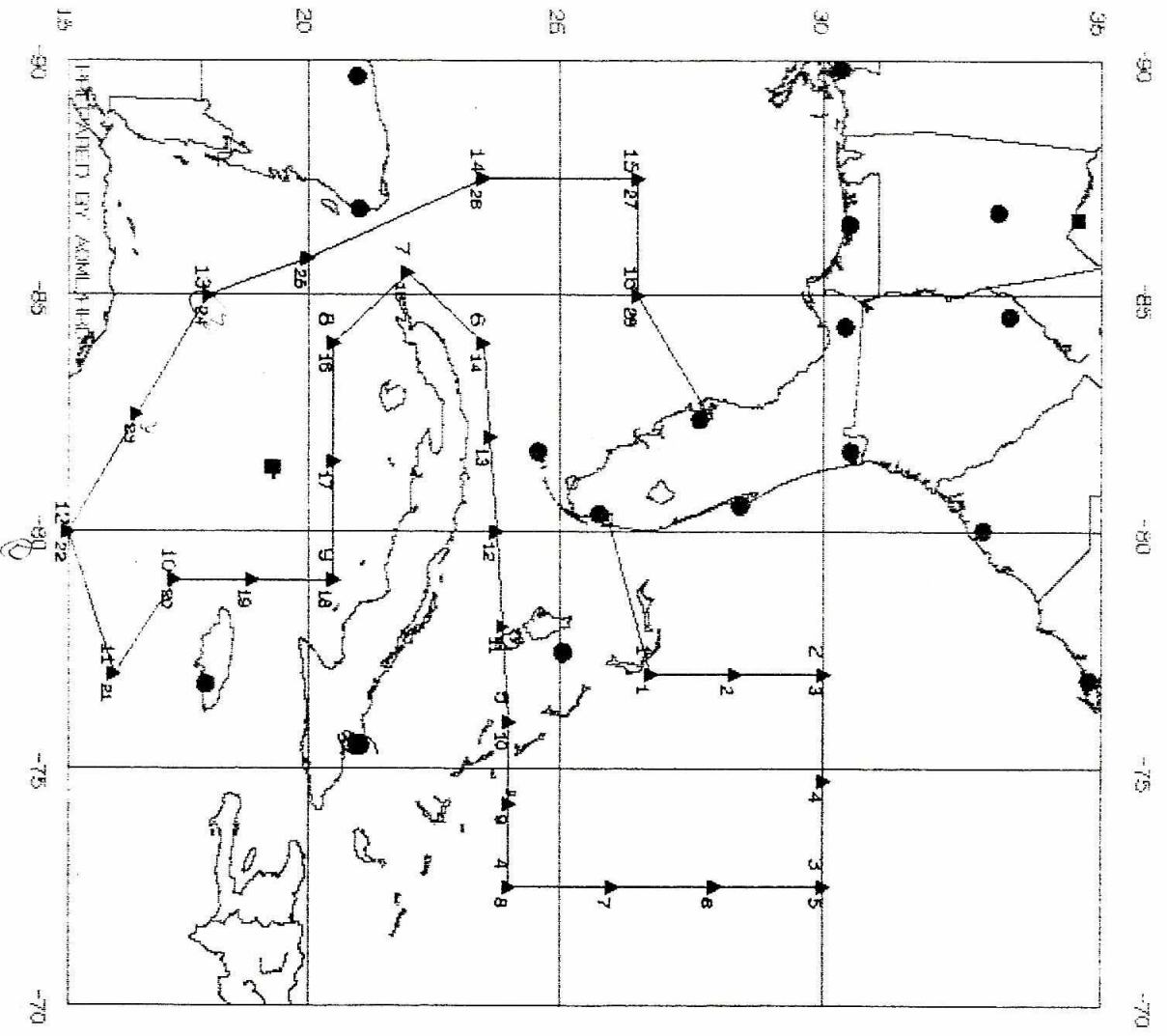
Time: 18-30 UTC

EARTH RELATIVE

NOAA/ERL/HURRICANE RESEARCH DIVISION

'test99' (winds@eiaer) Proj. 420 Flt 20 Sep-24-98 01:57:38
16:56:39 to 01:57:38





35 FLIGHT TRACKS
GEORGES

980923np.ftk

30 RAWINSONDES 9804

- Regular
- 12Z only
- 00Z only
- Infrequent
- Infrequent - 00Z
- Infrequent - 12Z

▲ DROP LOCATIONS

2

N49RF Hurricane 98 AVAPS DropSonde Log

N49RF Project: HURRICANE 98 Flight ID: 980923

Mission: GEORGES Flight #: 20 System Status: OK

Drop #	Sonde Serial Number	Chn #	Time (Z)	Press. offset	Winds time	Operator	Comments / Drop Status	GOOD <input checked="" type="checkbox"/>
1	982 010 102	1	1802	0.0	44	STM	YELLOW	✓
2	973 730 229	2	1814	0.0	29	STM	ORANGE	✓
3	982 010 065	3	1828	0.7	34	STM	YELLOW	✓
4	974 730 016	1	1842	-0.1	31	STM	ORANGE	✓
5	981 830 014	2	1859	0.7	24	STM	BLACK	✓
6	982 630 107	1	1914	0.1	23	STM	GREY	✓
7	981 830 018	2	1930	0.5		STM	BLACK	✓
8	982 430 058	1	1948	0.3	—	STM	GREY NO WINDS, FAST FALL	
9	974 910 013	2	1950	0.2	—	STM	BLACK NO WINDS	
10	982 010 056	3	1952	-0.4	100	STM	GREY LATE WINDS	✓
11	982 010 101	4	2001	0.7	100	STM	GREY LATE WINDS	✓
12	981 810 033	1	2013	1.1	56	STM	GREY	✓
13	982 010 116	2	2029	0.5	—	STM	YELLOW NO WINDS	
14	982 010 015	1	2030	0.2	38	STM	YELLOW	✓
15	974 530 064	3	2044	0.2	58	STM	BLACK	✓
16	982 630 084	1	2059	0.5	42	STM	GREY	✓
17	982 720 262	2	2115	-0.5	30	RJM	GREY	✓
18	974 730 024	1	2132	-.5	32	RJM	BLACK	✓
19	974 510 061	2	2149	0	23	RJM	Orange	✓
20	974 530 088	1	2208	-.2	30	RJM	Yellow	✓
21	981 040 008	2	2230	.7	44	RJM	Yellow	✓
22	974 510 028	1	2242	-.4	32	RJM	Orange	✓
23	981 950 032	2	2256	0	28	RJM	Grey	✓
24	982 430 079	1	2316	0	26	RJM	Yellow	✓
25	973 840 069	2	2337	0	27	RJM	Orange	✓
26	982 630 128	1	2359	.8	24	RJM	Grey	✓
27	982 010 124	2	0016	0.6	55	RJM	Grey	✓
28	981 750 090	1	0047	0.5		RJM	Black LOST WINDS @ 805mR	✓
29	982 640 214	1	0112	0.2	35	STM	Grey	✓
30	982 630 132	1	0130	0.6	36	STM	Grey	
31								
32								
33								

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

N49RF Project: Hurricane 98 Project No 420 Flight No. 20 Flight ID: 980923N
 SED Crew: McNAMARA, McMillan, Hill, DAMIANO, PRADAS Mission: GEORGES AGAIN
 Pre-Flight: 1630 Z Take-Off: 1733 Z Landing: 0158 Z

SYSTEM		Pre-Flight Check		In-Flight	Post-Flight	
N A V	IRS #1	✓	JCPB			
	IRS #2	✓				
	IRS #3	✓				
	GPS Honeywell #1	✓				
	GPS Honeywell #2	✓				
	GPS Collins	✓				Off? <input checked="" type="checkbox"/>
	Nose Radar -Collins	✓	↓			Off? <input checked="" type="checkbox"/>
		Time	Temp °C		Time	Temp °C
T E M P	Temp #1	1704	34.7	✓ JCPB	0209	25.97
	Temp #2		36.4	↓		26.30
	Temp #3		34.4	↓		26.50
	Temp #4		37.2	↓		25.37
	DP Left		23.7	↓	Cal. Time:	22.618
	DP Right	↓	23.4	↓	Cal. Time:	22.805
P	Attack Angle (ADCAOA)	✓				
R	Slip Angle (BP/DBP)	✓				
E	Differential (PQ1/PQ2)	✓				
S	Absolute (PS1/PS2)	✓	1010.9/1011.3			
S	Check Radome Press. Lines <input checked="" type="checkbox"/>	Date:	980823			
S	DOWN PRT-5 ⇨ Open? <input type="checkbox"/>	INOP			Closed? <input checked="" type="checkbox"/>	INOP
Y	MADS (WINDS/DISCWIN)	✓ JCPB			# DATs: 1	
S	MADS Printer ⇨ Paper? <input checked="" type="checkbox"/>	✓ JCPB			Printer Power off? <input checked="" type="checkbox"/>	
T	MADS Cal. Date: 980918	QC time:	_____		QC time: 0207	
E	WINDS ⇨ NET BCAST <input checked="" type="checkbox"/>	✓ JCPB				
M	HAPS System / Time set? <input checked="" type="checkbox"/>	✓ JF/HRD			# Msg.: 27 # Fail: 20	
S	AVAPS System / Time set? <input checked="" type="checkbox"/>	✓ STM				
	AVAPS Printer ⇨ Paper? <input checked="" type="checkbox"/>	✓ JCPB				
	Exterior Walk Around <input checked="" type="checkbox"/>	✓ STM				
	Inspect DropSonde Chute Bolts	✓ RJM				
	Satcom (Flight Phone) <input checked="" type="checkbox"/>	✓ JWH			Off CB? <input checked="" type="checkbox"/>	
	Call COMSAT? <input checked="" type="checkbox"/> (*292#)	✓ JWH				
M	FCU/UPS/CB	CB's Checked? <input checked="" type="checkbox"/>			UPS off? <input checked="" type="checkbox"/>	
I	AVAPS Sondes	# On Board: 37		# Dropped: 30	# Good: 27	
S	AXBT	# On Board:		# Dropped:	# Good: _____	
C	APN-232	✓ JCPB				
	Modem Power On? <input checked="" type="checkbox"/>	✓ JCPB				

1	DAT Tape #1	On: 1715	Type: VERB 60	Off: 0210
2	DAT Tape #2	On:	Type: TDK 60	Off:

Comments: