

U.S. DEPT. COMM. / NOAA / OAO - DATA SECTION WORK FORM NO. 1 OROWF1 FILE

FLT ID: 990601N	FM: KMCF	TO: KBR0
FLT NO: 99-027	BLK IN: 1539Z/2004Z	ATA: 1536Z/2000Z
ETD: 1300Z/1800Z	DLK OUT: 1321Z/1905Z	RTD: 1332Z/1910Z
ETE: 1500Z/1900Z	DLK TIME: 3.17 3.3	FLT TIME: 2.54 2.9
SPONSOR ORG: NOAA	PROGRAM: NHC	PURPOSE: HAT

OAO PERSONNEL

RC MAXSON, B ✓	SYS ENG HILL, J ✓
CP FINKE, M ✓ / YATES, G ✓ *	DATA SYS HORN BROOK, C ✓
NAV	RADAR
FE KITSON, G	DT/ODW WINTER, D ✓
RADIO	CLD PHYS WHITE, S ✓ *
FD CZYZK, S	DOPPLER MCFADDEN, J ✓ *

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
BLACK, M ✓	HAPS	HRP
LEPORE, F ✓	P.R	NHC
JARRELL, J ✓	SCIENTIST	NHC

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

~~SEA~~ PRESSURE PORT 2 IS NOT WORKING

DPL 15° TOO WARM, BALANCE 1446Z

FLT ID: 99061N TIME OFF: 1322 TIME ON:

FLT ID: 990601N

TIME OFF: 13327

TIME ON:

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1016.4/1009.5	30.04/29.85	1009.8/1012.2	29.85/29.90

NO

DATA DISPOSITION/DATE/QUALITY

		LOCATION/DATE/QUALITY
1/SEC FLT LVL TAPES		
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES		
AXBT		
AXCP		
ODW		

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

990601N

TIME	LOT	CON	TK	HO	TA	TO	WD	WS	PA	GA	PS	REMARKS
135900	2728	8515	269	270	-62.5	-67.5	328	11.5	13137	13592	159.1	LEVEL 43K
144030	2713	9114	266	267	-65.3	-71.9	51	15.2	13133	13618	159.7	LT TURN
145445	253	9319	256	258	-61.3	-	39	6.1	13130	13630	159.7	LT TURN
150430												DESCEND
192430	2716	9725	359	356	-28.9	-43.5	328	12.6	8277	8664	341.7	LEVEL 27K

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Hurricane 99 Project No. 430 Flight No. ϕ Flight ID: 990526N
 SED Crew: JCPB, Hill, Hornbrook, Smith, Damiano Mission: Test flight Buoy
 Pre-Flight: 1300 Z Take-Off: 1416 Z Landing: 1559 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		✓ JWH		Off? ☒	
Nose Radar - Collins			✓ Cockpit Crew		Off? ☒	
T E M P	Time	Temp °C			Time	Temp °C
	Temp #1	1332	29.67	✓ JCPB	1608	32.267
	Temp #2	"	33.04	✓		31.089
	Temp #3	"	"	✓		"
	Temp #4	"	35.223	✓		33.154
	DP Left	"	19.28	✓	Cal. Time:	21.419
DP Right	"	20.54	✓	Cal. Time:	21.948	
P R E S S	Attack Angle (ADCAOA)		✓ JCPB			
	Slip Angle (BPx/DxPx)		✓ JCPB			
	Differential (PQ1/PQ2)		✓ JCPB			
	Absolute (PS1/PS2)		1017.9/1018.1			
	Check Radome Press. Lines ☒		Date: 05/19/99			
S Y S T E M S	DOWN PRT-5 ☐ Open? ☐		N/U		Closed? ☒ N/U	
	MADS (WINDS/DISCWIN)		✓ JCPB		# DATs: 1	
	MADS Printer ☒ Paper? ☒		✓ JCPB		Printer Power off? ☒	
	MADS Cal. Date: 052699		QC time: 1334	Cal @ 1517Z	QC time: 1600	
	WINDS ☒ NET BCAST ☒		✓ JCPB			
	HAPS System / Time set? ☒		MB		# Msg.: 5 # Fail: 2	
	AVAPS System / Time set? ☒		✓ JAS			
M I S C	Exterior Walk Around ☒		JCPB			
	Inspect DropSonde Chute Bolts		✓ JAS / CFH			
	Satcom (Flight Phone) ☒		✓ CFH		Off CB? ☒	
	Call COMSAT? ☒ (*292#)		✓ CFH			
	FCU/UPS/CB		CB's Checked? ☒ JWH		UPS off? ☒	
	AVAPS Sondes		# On Board: 9	# Dropped: 2	# Good: 2	
	AXBT		# On Board: ϕ	# Dropped: ϕ	# Good: ϕ	
	APN-232		✓ JCPB			
	Modem Power On? ☒		✓ JCPB			

1	DAT Tape #1	On: 1327	Type: V60	Off: 1609
2	DAT Tape #2	On: 1327	Type: V60	Off:
Comments:				
Dropout balance @ 1518, DPLB DPR				

Problem Description & Observations

N49RF ୧୫୫୫୫୫୫୫ N49RF

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Hurricane 99 Project No. 430 Flight No. 1/1b Flight ID: 990601N

SED Crew: Hornbrook, Czyzyk, Hill Mission: Hurricane Awareness City Tour

Pre-Flight: 1150 Z Take-Off: 1331/1909 Z Landing: 1535/1959 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight	
N A V	IRS #1	✓	gwh			
	IRS #2	✓	gwh			
	IRS #3	✓	gwh			
	GPS Honeywell #1	✓	gwh			
	GPS Honeywell #2	✓	gwh			
	GPS Collins	✓	gwh		Off? ☐	
	Nose Radar -Collins	✓	gwh		Off? ☐	
T E M P	Time	Temp °C			Time	Temp °C
	Temp #1	1155	27.2	gwh		
	Temp #2		30.1			
	Temp #3					
	Temp #4		31.3			
	DP Left	✓	15.7		Cal. Time: 1500	
	DP Right	✓	19.7	gwh	Cal. Time: 1500	
P R E S S	Attack Angle (ADCAOA)		gwh			
	Slip Angle (BPx/DxPx)		gwh			
	Differential (PQ1/PQ2)		gwh 2mb diff			
	Absolute (PS1/PS2)		1016.7/1015.4 gwh			
	Check Radome Press. Lines ☒		Date: 5/19/99			
S Y S T E M	DOWN PRT-5 ⇒ Open? ☐		INOP gwh		Closed? ☐	
	MADS (WINDS/DISCWIN)		gwh		# DATs:	
	MADS Printer ⇒ Paper? ☒		gwh		Printer Power off? ☐	
	MADS Cal. Date: 5/26/99		QC time:		QC time:	
	WINDS ⇒ NET BCAST ☒		gwh			
	HAPS System / Time set? ☒		gwh		# Msg.: # Fail:	
	AVAPS System / Time set? ☒		gwh			
	AVAPS Printer ⇒ Paper? ☐		Now MADS Printer gwh			
	Exterior Walk Around ☒		gwh			
M I S C	Inspect DropSonde Chute Bolts		CFI+			
	Satcom (Flight Phone) ☒		No FCC		Off CB? ☐	
	Call COMSAT? ☒ (*292#)		CFI+			
	FCU/UPS/CB		CB's Checked? ☒		UPS off? ☐	
	AVAPS Sondes		# On Board: 45	# Dropped: N/A	# Good:	
	AXBT		# On Board: 1	# Dropped: N/A	# Good:	
	APN-232		gwh			
	Modem Power On? ☒		gwh			

1	DAT Tape #1	On: 13 20 / 1835	Type: 60	Off: 1601 / 2004
2	DAT Tape #2	On: 13 20 / 1835	Type: 60	Off: 1601 / 2004
Comments: PS2/AC2 problem was corrected. The cabin-static iso-switch was in Iso position.				

Problem Description & Observations

N49RF N49RF

ROUTING

PIE (S+ Pcte) 27 54.47 N
82 41.06 W

CIGAR 27 28.00 N
84 48.00 W

MAEKO 26 10.79 N
92 50.13 W

BRO (Brownville)
VOR 25 55.44 N
97 22.53 W

99-029