

U.S. DEPT. COMM./NOAA/ORD - DATA SECTION WORK FORM NO.2 QADWF2 FILE

FLT ID: N990815 TIME OFF: 20/22/0347Z TIME ON: 0234Z/0648Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	<u>1016.4</u>	<u>30.03</u>	<u>831/1017.7</u>	<u>30.06 30.08</u>

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

AXCP

~~AXBT~~

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

0556x
10 2K
5ELT
26 25SC
23 30.08

0555
26
23

19532
28
19

FLT ID: <i>N990815</i>	FM: <i>PHNL</i>	KPHX TO: <i>KELP / RMCE</i>
FLT NO: <i>99-040</i>	BLK IN: <i>02402 / 06592</i>	ATA: <i>0234Z / 0648</i>
ETD: <i>2000Z</i>	BLK OUT: <i>1958Z / 0336Z</i>	ATD: <i>2012Z / 0347Z</i>
ETE:	BLK TIME: <i>6:42 / 3:23</i>	FLT TIME: <i>6:22 / 3:01</i>
SPONSOR ORG: <i>NHL/CPHC</i>	PROGRAM: <i>HURR. SURVEILLANCE</i>	PURPOSE: <i>FERRY TO MCDILL</i>

0AO PERSONNEL

AC <i>FINKE</i>	SYS ENG <i>GOLDSTEIN</i> ✓
CP <i>YATES, McCANN</i> ✓	DATA SYS <i>HORN BROOK</i> ✓
NAV	RADAR
FE <i>KITSON</i>	BT/ODW <i>HILL</i> ✓
RADIO	CLD PHYS
FD <i>DAMIANO</i> ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
<i>WHITE</i> ✓	<i>PM</i>	<i>AOL</i>
<i>BLACK, M</i> ✓	<i>HARS</i>	<i>NRD</i>

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

0147Z in CLD at 28K *Diverted to El Paso Due to*
0135Z R *dust storm in Phoenix*
01519 KELP *27 52*
83 30.06 *82 31*
12 *0351Z*
 29
 13 30.10

31°48'N
106°23'W

☆U.S. GOVERNMENT PRINTING OFFICE: 1980—765-012/1119

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Hurricane 99 Project No. 430 Flight No. 3 Flight ID: 990815N

SED Crew: Hornbrook, Hill, Goldstein Mission: HNL → Tampa Perry Via El Paso

Pre-Flight: 1925 Z Take-Off: 2011/0347 Z Landing: 0233/0649 Z

SYSTEM			Pre-Flight Check		In-Flight	Post-Flight	
N A V	IRS #1		✓				
	IRS #2		✓				
	IRS #3						
	GPS Honeywell #1		✓				
	GPS Honeywell #2		✓				
	GPS Collins		✓			Off? ☐	
	Nose Radar - Collins					Off? ☐	
T E M P		Time	Temp °C			Time	Temp °C
	Temp #1	1928	28.0	0329	31.7	0237	35.9 0650
	Temp #2	↓	27.7	↓	31.7	↓	35.8
	Temp #3	↓	26.5	↓	31.4	↓	34.7
	Temp #4	↓	28.6	↓	32.1	↓	36.7
	DP Left	↓	18.9	↓	9.0	Cal. Time: ↓	6.4
	DP Right	↓	19.2	↓	9.2	Cal. Time: ↓	6.7
P R E S S	Attack Angle (ADCAOA)	✓					
	Slip Angle (BPx/DxPx)	✓					
	Differential (PQ1/PQ2)	✓					
	Absolute (PS1/PS2)	✓					
	Check Radome Press. Lines ☒	Date: 7/13/99					
S Y S T E M	DOWN PRT-5 ⇒ Open? ☐	NU				Closed? ☐	NU
	MADS (WINDS/DISCWIN)	✓				# DATs:	1
	MADS Printer ⇒ Paper? ☒	✓				Printer Power off? ☒	
	MADS Cal. Date: 7/16/99	QC time: 1933				QC time: 0235	
	WINDS ⇒ NET BCAST ☒	✓					
	HAPS System / Time set? ☐					# Msg.:	# Fail: NU
	AVAPS System / Time set? ☐	NU					
	AVAPS Printer ⇒ Paper? ☐	NU					
	Exterior Walk Around ☒	✓ CH					
	Inspect DropSonde Chute Bolts	✓ CH					
M I S C	Satcom (Flight Phone) ☒	✓ SWH				Off CB? ☐	
	Call COMSAT? ☒ (*292#)	✓ SWH					
	FCU/UPS/CB	CB's Checked? ☒				UPS off? ☒	
	AVAPS Sondes	# On Board: 104	# Dropped: 0	# Good: NU			
	AXBT	# On Board: NU	# Dropped: NU	# Good: NU			
	APN-232	✓ CH					
	Modem Power On? ☒	✓ CH					

1	DAT Tape #1	On: 1952	Type:	Off: 0247
2	DAT Tape #2	On: 0333	Type:	Off: 0652
Comments:				

Problem Description & Observations

N49RF N49RF

G4 Hurricane Surveillance

N990815 Ferry Back to MacDill AFB (Central Pacific)

<u>DATA TYPE</u>	<u>SENSOR or OPTION</u>
INE	VEW, VNS
Accelerometer	ACINS
Temperature Probe	AT1
Altitude (for vertical wind)	PALT
Static Pressure	PS1M
Dynamic Pressure	QC1M
Dewpoint Probe	DPRC

Notes:

There were no time gaps.

The G4 stopped in El Paso, Texas to refuel before proceeding on to MacDill AFB

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	1016.4mb	1017.7mb
Corrected tower pressure	1016.6mb	1018.2mb

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