

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

AOCWF2

Flt ID: 010116N Time Off: Time On:

A/C (Take Off)

Wx Stn (Take Off)

A/C (Land)

Wx Stn (Land)

Pressure

30.14

Number

Data Disposition/Date/Quality

Slow/Fast Flt Lvl Tapes

Radar Tapes

Cloud Physics Tapes

Video Tapes

AXBT

AXCP

AXCTD

Dropsondes

Video

Forward

Left Side

Right Side

Down

Remarks

Time On

Time Off

Rate

Remarks

Flight ID: 010116N

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

[illegible]

KABQ 3502N
106 37W

Aircraft Operations Center
P.O. Box 6829
MacDill AFB, FL 33608-0829

AOC1:ABD

January 5, 2001

MEMORANDUM FOR: N49RF Flight Crew

FROM: A. Barry Damiano

SUBJECT: N49RF Check-out Flight for Winter Storms

A calibration flight for N49RF has been tentatively scheduled for Friday 12 January with a fall back to Monday 15 January. Weather conditions are expected to be acceptable (no convective weather).

NOAA49 will block out at 1100 and climb to 41000 feet over open water.

The aircraft will fly to a buoy and drop at least one and possibly two GPS dropsondes over the buoy. Buoy choices are one of the following:

Primary: 42003 (25° 56' N 85° 54' W) 215 nm from KMCF

Secondary: 42036 (28° 30' N 84° 30' W) in warning area W-470C 115 nm from KMCF

After the sonde(s) is launched, the G4 will continue on course for five (5) minutes, reverse course and overfly the buoy a second time. The course should be maintained for at least five (5) minutes before executing any course changes to get back to MacDill AFB.

If the sonde(s) perform successfully and all other scientific systems function normally, the G4 will head back to MacDill AFB. If there are unexpected problems they will be dealt with accordingly.

Total flight time will be about 2.5 hours.

MCF 27° 50' 969
82 29.601

PHN 21° 19' N
157 56' W

12 mi W 27 56.1
84 30

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: WS 2001 Project No. 101 Flight No. F601 Flight ID: 010118N
 SED Crew: Hill, McMillan, Lino Mission: Ferry to Albergue
 Pre-Flight: 1530/2025 Z Take-Off: 1609/2102 Z Landing: 1944/0353 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check		
N A V	IRS #1		✓E		JH		
	IRS #2		✓E				
	IRS #3		✓E				
	GPS Honeywell #1		✓E				
	GPS Honeywell #2		✓E		JH		
	GPS Collins		✓E		Off? ☐		
Nose Radar - Collins					Off? ☐		
T E M P	Time	Temp °C			Time	Temp °C	
	Temp #1	1538	28.53	E		0355	28.7
	Temp #2		24.07	E			26.5
	Temp #3		23.62	E			28.9
	Temp #4		24.81	E			25.8
	DP Left		14.17	E	Cal. Time:		15.4
P	DP Right		16.56	E	Cal. Time:	0355	16.4
P R E S S	Attack Angle (ADCAOA)		✓E		JH		
	Slip Angle (BPx/DxPx)		✓E				
	Differential (PQ1/PQ2)		✓E				
	Absolute (PS1/PS2)		✓E		JH		
	Check Radome Press. Lines ☒		Date: 09/15/00				
S	DOWN PRT-5 ⇒ Open? ☐		Not installed		Closed? ☐		
Y	MADS (WINDS/DISCWIN)		✓E		# DATs: 1		
S	MADS Printer ⇒ Paper? ☒		✓E		Printer Power off? ☐		
T	MADS Cal. Date: 06/08/00		QC time: 1/2038		QC time: 1945/0356		
E	WINDS ⇒ NET BCAST ☒		✓E		JH		
M	HAPS System / Time set? ☒		✓E		# Msg.: 1 # Fail: 0		
S	AVAPS System		✓E		JH		
	K2 Printer ⇒ Paper? ☒		✓E		Printer Power off? ☐		
	Exterior Walk Around ☒		✓ Gordon				
	Inspect DropSonde Chute Bolts		✓ STM				
M I S C	Satcom (Flight Phone) ☒		✓E		Off CB? ☒		
	Call COMSAT? ☒ (*292#)		✓ JH				
	FCU/UPS/CB		CB's Checked? ☒ E		UPS off? ☒		
	AVAPS Sondes		# On Board: 54	# Dropped: 1	# Good: 1		
	AXBT		# On Board:	# Dropped:	# Good:		
	APN-232 Altimeter		✓E				
	Modem Power On? ☒		✓E				

1	DAT Tape #1	On: 1543	Type: 60M	Off: 1948
2	DAT Tape #2	On: 2029	Type: 60M	Off: 0400
Comments: "Remote" program running at 12: Wind Velocity is not large enough to plot knots. System Calibration performed @ 0027				

Please Note Any Discrepancies

[illegible]

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Test Flight **Project No.** _____ **Flight No.** _____ **Flight ID:** 010117N

SED Crew: Hornbrook, Smith, Hill, McMillan **Mission:** _____

Pre-Flight: _____ **Z Take-Off:** _____ **Z Landing:** 1723 **Z**

SYSTEM				Pre-Flight Check	In-Flight	Post-Flight Check	
N A V	IRS #1			<i>chk</i>			
	IRS #2			<i>chk</i>			
	IRS #3						
	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 #1	<i>1850</i>	<i>26.6</i>	<i>chk</i>			
	Temp #2		<i>24.5</i>	<i>chk</i>			
	Temp #3		<i>25.3</i>	<i>chk</i>			
	Temp #4		<i>24.3</i>	<i>chk</i>			
	DP Left		<i>15.1</i>	<i>chk</i>			
P R E S S	DP Right			<i>chk</i>			
	Attack Angle (ADCAOA)			<i>chk</i>			
	Slip Angle (BPx/DxPx)			<i>chk</i>			
	Differential (PQ1/PQ2)			<i>chk</i>			
	Absolute (PS1/PS2)			<i>chk</i>			
	Check Radome Press. Lines ☐			Date:			
S Y S T E M S	DOWN PRT-5 ⇨ Open? ☐			Not USED			Closed? ☐
	MADS (WINDS/DISCWIN)			<i>yes</i>			# DATs:
	MADS Printer ⇨ Paper? ☒			<i>chk / Smith</i>			Printer Power off? ☐
	MADS Cal. Date: <i>6/8/00</i>			QC time: <i>1913</i>			QC time:
	WINDS ⇨ NET BCAST ☒			<i>chk</i>			
	HAPS System / Time set? ☒			<i>JAS</i>			# Msg.: # Fail:
	AVAPS System			<i>JAS</i>			
	K2 Printer ⇨ Paper? ☐						Printer Power off? ☐
M I S C	Exterior Walk Around ☒			<i>STM</i>			
	Inspect DropSonde Chute Bolts			<i>chk / Smith</i>			
	Satcom (Flight Phone) ☒			<i>chk</i>			Off CB? ☐
	Call COMSAT? ☒ (*292#)			<i>chk</i>			
	FCU/UPS/CB			CB's Checked? ☒ <i>JAS</i>			UPS off? ☐
	AVAPS Sondes			# On Board: <i>3</i>	# Dropped:		# Good:
	AXBT			# On Board:	# Dropped:		# Good:
	APN-232 Altimeter			<i>chk</i>			
Modem Power On? ☒				<i>chk</i>			

1	DAT Tape #1	On: <i>19003</i>	Type:	Off: <i>1935</i>
2	DAT Tape #2	On:	Type:	Off: <i>1924</i>
	Comments:			

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Winter Storms 2001 Project No. 101 Flight No. Tf01 Flight ID: 010116N
 SED Crew: Smith, Hornbrook, Hill, M. Millan, Shepherd Mission: Test Flight
 Pre-Flight: 1400 Z Take-Off: _____ Z Landing: _____ Z

SYSTEM				Pre-Flight Check	In-Flight	Post-Flight Check	
N A V	IRS #1			JH			
	IRS #2			JH			
	IRS #3			JH			
	GPS Honeywell #1			JH			
	GPS Honeywell #2			JH			
	GPS Collins			JH			Off? ☐
Nose Radar -Collins				JH			Off? ☐
T E M P		Time	Temp °C	JH			Time Temp °C
	Temp #1	1618	30.9	}			
	Temp #2		24.3				
	Temp #3		26.4				
	Temp #4		24.5				
	DP Left		15.3				
DP Right	1618	16.4	JH	Cal. Time:			
P R E S S	Attack Angle (ADCAOA)			JH			
	Slip Angle (BPx/DxPx)			JH			
	Differential (PQ1/PQ2)			JH			
	Absolute (PS1/PS2)			JH			
	Check Radome Press. Lines ☒			Date: 09/15/00			
S Y S T E M S	DOWN PRT-5 ⇒ Open? ☐			Not USED			Closed? ☐
	MADS (WINDS/DISCWIN)			JH			# DATs:
	MADS Printer ⇒ Paper? ☒			JH			Printer Power off? ☐
	MADS Cal. Date: 06/08/00			QC time:			QC time:
	WINDS ⇒ NET BCAST ☒			JH			
	HAPS System / Time set? ☒			CH			# Msg: # Fail:
	AVAPS System			JAS/SM			
	K2 Printer ⇒ Paper? ☒			JH			Printer Power off? ☐
	Exterior Walk Around ☒			JAS			
M I S C	Inspect DropSonde Chute Bolts			JAS			
	Satcom (Flight Phone) ☒			CFH			Off CB? ☐
	Call COMSAT? ☒ (*292#)			CFH			
	FCU/UPS/CB			CB's Checked? ☒ JH/CH			UPS off? ☐
	AVAPS Sondes			# On Board: 4	# Dropped:		# Good:
	AXBT			# On Board: 0	# Dropped:		# Good:
	APN-232 Altimeter			JH			
Modem Power On? ☒			JH				

1	DAT Tape #1	On: 1637	Type:	Off: 1649
2	DAT Tape #2	On:	Type:	Off:
Comments:				

N49RF Winter 01 / AVAPS DropSonde Log

N49RF Project: WS01

Flight ID: 0101 RN

Mission: _____

Flight #: FF01

System Status:

[illegible]