

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

AOCWF1

Flt ID: <i>I 000906</i>	From: <i>KMCF</i>	To: <i>KMCF</i>
Flt No.: <i>00-40</i>	Blk In: <i>1834Z</i>	ATA: <i>1825Z</i>
ETD: <i>1600Z</i>	Blk Out: <i>1558Z</i>	ATD: <i>1608Z</i>
ETE:	Blk Time: <i>2:36</i>	Flt Time: <i>2:17</i>
Sponsor Org: <i>AOC</i>	Program: <i>IN HOUSE</i>	Purpose: <i>INSTRUMENT CHECK</i>

AOC Personnel

AC: <i>TENNESEN</i>	Sys Eng: <i>WILSON</i>
CP: <i>O'MARA / TE Beest</i>	Data Sys: <i>LYNCH</i>
Nav: <i>ADLER</i>	Radar:
FE: <i>MOORE / WADE</i>	GPS/BT: <i>CARPENTER / SMITH</i>
Avionics: <i>SANS SOURCE</i>	Cld Phys:
FD: <i>DAMIANO</i>	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
<i>HORNBECK</i>	<i>OBS</i>	<i>AOC</i>

Proposed/Actual Mission/Remarks (Recco, Fixes, Storm, PENET, NHOP #)

VERSION 5 for Radar NO TR NO RADOME PRES SENSORS
Display will show TA error

1630+ Bal DW1
1645Z-1646Z

Did several touch & goes for Tim O'MARA
to be current

Use INE2 for post flt analysis

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AOCWF2

Flt ID: I000906 Time Off: 1608Z Time On: 1825Z

	A/C (Take Off)	Wx Stn (Take Off)	A/C (Land)	Wx Stn (Land)
Pressure	<u>1012.8</u> 1013.0	<u>29.95 (1014.2)</u>	<u>1011.8</u>	<u>29.91</u> 29.95 (1012.9) <u>1012.4</u>

	Number	Data Disposition/Date/Quality
Slow/Fast Flt Lvl Tapes	<u>2</u>	
Radar Tapes	<u>1</u>	
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	<u>1</u>	<u>1 message sent to NHC</u>

Video					Remarks
	Forward	Left Side	Right Side	Down	
Time On					
Time Off					
Rate					

Remarks

Flight ID: I000906

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Form 413-50

[illegible]

Top = Red
Time
Power
Alt.
Flow

NOAA • AOC • SED Flight Performance Log

Aircraft : N43RF

Project : Hurricane 00
IPREX '00

Mission : Test Flight

SED Crew: Lynch, Smith, Carpenter, Butch

Flight ID : 000906I

Pre-Flight: 1400 Z

Take-Off: 16:08

Landing: 18:24

System		Pre-Flight	In-Flight	Post-Flight		
NAV	INE #1	Aligned to: <u>05 DWC</u>				
	INE #2	Aligned to: <u>04 DWC</u>				
	GPS	<u>FM 1</u>	<u>DWC</u>		Lat	Long GS
RADAR	Nose	<u>STM</u>				
	L/F	R/T SN: <u>JB3</u>				Mod Switch Off? ☒
	Tail	R&T SN: <u>1</u>	<u>N/I</u> (6)			Mod Switch Off? ☒
PMS	MARS Data System	Clean DAT? <u>(?)</u>				# DATs: <u>1</u>
	2DG-C	Ch 1/64: <u>1</u>	<u>N/I</u>			
	2DP (Mono)	Ch 1/32: <u>1</u>	<u>N/I</u>			
	ESSP	Ref VDC: <u>1</u>	<u>N/I</u>			
	SEA Data System	<u>N/I</u>				# DATs: <u>0</u>
TEMP		Cal High	Cal Low		Cal High	Cal Low
	Temp #1	<u>-30.9</u>	<u>-30.5</u>	<u>DWC</u>		
	Temp #2			<u>N/I</u>		
	Dewpoint #1					
PRESS	Dewpoint #2 (AOC)					
	Attack Angle (AP/DAP)	<u>STM</u>				
	Slip Angle (BP/DBP)	<u>STM</u>				
	Differential (PQ1/PQ2/PQ3/PQ4)	<u>STM</u> (5)				
	Absolute (PS1/PS2)	<u>STM</u>				
FLTLVL	Radome Transducers	Plugs? <u>N/I</u> (5)				
	Cabin Transducer (Station 5)	<u>STM</u>				
	Apn-159	SN: <u>71-02</u>	<u>DWC</u> (3)			Off?: ☒
	Apn-232	SN: <u>1761</u>	<u>STM</u>			Off?: ☒
	King Liquid Water	<u>DWC</u>				
USER	J&W Liquid Water	<u>DWC</u>				
	Lyman Alpha Hygrometer	Plugs? <u>N/I</u>				Plugs?: <u>—</u>
	Down PRT-5 (SST)	<u>STM</u>				
	Side PRT-5 (CO ²)	<u>STM</u>				
	RAMS Data System	Clean DAT? <u>(14)</u>				# DATs: <u>2</u>
MISC	F/D Laptop	<u>DWC</u>				Off? ☒
	C.I. Printer	<u>STM</u>				
	ASDL	<u>TML</u>				Off?: ☒
	Exterior Walk Around	<u>STM</u>				
	Video	N L R D <u>N/I</u> (2)				Lens Covers?: ☒
USER	FCU	<u>A B C</u>	<u>DWC</u>			UPS Off?: ☒
	Field Mills	L R U D <u>N/I</u>	<u>TML</u>			Accelerometers
	<u>SEMR</u>					#1 (2 G):
						#2 (2.5 G):
						#3 (3 G):
					#4 (3.5 G):	

AUAPS JS (10) 1 DROPPED 1 GOOD

Please Note any Discrepancies

Item #	Zulu Time	Problem Description	Initials	Status
1		No Hurricane Flight Logs made available	STM	OK
2		No right hand camera installed	STM	OK
3		SPARC ANP 159 missing active unit was removed from N42RF	STM	—
4		Coefficients not up to date	STM	OK
5		Radome XDOUCERS not installed	STM	—
6		Tail Ant/RCUR XMTR not installed	STM	—
7		No O-scope installed	STM	OK
8		Need Data Station Log	TL	OK
9		SPMR (SPMR) needs yellow tag ring	TL	OK
10		NO AVAPS DROP LOSS AVAILABLE	JS	OK
11		SFMR reading too high on SFLOS - was $\approx 25^\circ$ with calm winds on surface. Tried turning off L/F RT	TL	OK
11		L/F RT off from 17:34 - 17:37 - NO change. Reloaded old cal file (17:40) - NO change.	↓	—
↓		- Recor noise @ 35° - Ref @ 32° - should be 40° (?) - check if Corwell left attenu. in?	↓	—
		- All 6 brightness temps appeared OK (1.5 to 2 UPG)		—
		err 000142 ref $\approx 32^\circ$ noise $\approx 35^\circ$		—

$\text{Noi} \approx 35$
 $\text{Ref} \approx 32$

$>$

$\text{Brd} \approx 1.5 \text{ to } 2$

NOAA • AOC • SED
N43RF DATA STATION LOG

Project : Hurricane '00

Mission : Cal-Test

Flight ID : 000906I

Operators : Lynch

Take Off : 16:08

Landing : 18:24

RAMS DAT 1 On [8/9] : <u>15:55</u>	RAMS DAT 1 Off : <u>18:35</u>	Data : <u>Slow</u> <u>Fast</u> AVAPS
RAMS DAT 2 On [8/9] : <u>15:56</u>	RAMS DAT 2 Off : <u>18:35</u>	Data : <u>Slow</u> <u>Fast</u> AVAPS
RAMS DAT 3 On [8/9] :	RAMS DAT 3 Off :	Data : Slow Fast AVAPS
Printer On : <u>15:56</u>	Printer Off : <u>18:35</u>	Disk Recording <u>Enabled</u> Disabled
MARS DAT 1 On [8/9] : <u>16:13</u>	MARS DAT 1 Off : <u>18:27</u>	CPU Selected : A <u>B</u>
MARS DAT 2 On [8/9] :	MARS DAT 2 Off :	VCR's Used : N L R D
MARS DAT 3 On [8/9] :	MARS DAT 3 Off :	VCR Mode : VHS / S-VHS 2 / 12
PMS DAT 1 On :	PMS DAT 1 Off :	
PMS DAT 2 On :	PMS DAT 2 Off :	Tapes Given To
PMS DAT 3 On :	PMS DAT 3 Off :	RAMS : <u>ABD</u>
VCR Tape 1 On :	VCR Tape 1 Off :	MARS :
VCR Tape 2 On :	VCR Tape 2 Off :	PMS :
VCR Tape 3 On :	VCR Tape 3 Off :	VCR :

CARCAH Tasking

Mission Number : WXXXA

Storm Name : Trainer

ASDL Setup

Flight Level (Minobs) Sample Frequency : 30

Flight Level (Minobs) Block Time : 10

Data Station Operator Notes

MISSION LOG

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FIX TYPES
(G) - GPS (I) - INS (R) - RADIO (V) - VISUAL (C) - CELESTIAL (D) - DR

[illegible]

Land