

Flt ID: I 020814	From: KMCF	To: KMCF
Flt No.: 02-26	Blk In: 20252	ATA: 20172
ETD: 17302	Blk Out: 17402	ATD: 17502
ETE:	Blk Time: 2:45 (2.8)	Flt Time: 2:27 (2.5)
Sponsor Org: HRD	Program: HURRICANE PROGRAM	Purpose: FLT TEST BAT PROBE CHECK AXBT RECEIVERS

AOC Personnel

AC: TAGGART	Sys Eng:
CP: TEBEEST	Data Sys: LYNCH / TONG
Nav: ADLER	Radar:
FE: FLOYD	GPS/BT: SMITH
Avionics: SANS SOUCI	Cid Phys:
FD: DAMIANO	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
WALSH, E.	SRA	NASA/GSFC
UHLHORN, E.	AXBT # SFMR	RSMA5
COOK, T.	AXBT	RSMA5
GUHIN, S.	AXBT	RSMA5
FRENCH, J.	BAT PI	NOAA ARL-FRD
FLAHERTY, P.	OBSC/FD	AOC

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

Fly to CIGAR 27° 28' 84° 48'

3 AXBT
DOT
CP

Drop splash

1017.9 mch

27.7N 27° 42'W
83.63W 83° 38'W

2009 BALDWI

OB 4 Last Report omitted

U.S. Dept. of Commerce/NOAA/Aircraft Operations Center						AOCWE2
Flt ID: <u>I020814</u>		Time Off: <u>1750Z</u>		Time On: <u>2017Z</u>		
	A/C (Take Off)	Wx Stn (Take Off)	A/C (Land)	Wx Stn (Land)		
Pressure	<u>1017.7</u>	<u>30.08</u> / <u>1017.5</u>	<u>1015.2</u>	<u>30.03</u>	<u>1016.5</u>	
	Number	Data Disposition/Date/Quality				
Slow/Fast Flt Lvl Tapes	<u>2</u>					
Radar Tapes	<u>-</u>					
Cloud Physics Tapes	<u>-</u>					
Video Tapes	<u>1</u>					
AXBT	<u>3</u>					
AXCP	<u>1</u>					
AXCTD	<u>1</u>					
Dropsondes	<u>1</u>	<u>1 message sent</u>				
Video						
	Forward	Left Side	Right Side	Down	Remarks	
Time On						
Time Off						
Rate						
Remarks						



**NOAA P-3 N43RF
Hurricane Research
BAT Probe Calibration**



Flight ID: I020814

<u>Sensor or system</u>	<u>Number or Name</u>
INE	1
Accelerometer	1
Temperature Probe	1
Dew Point Probe	General Eastern
Altitude (for vertical wind)	Radar Altitude (RA-159)
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO3021.CON

Notes:

A GPS dropsonde was deployed at 27° 42'N 83° 38'W at time 1811Z.

There were quite a few time/data gaps: 182831Z - 182840Z, 183721Z - 183740Z, 184641Z - 184700Z, 185601Z - 185610Z, 185711Z - 185720Z, 190041Z - 190100Z, 190251Z - 190300Z, 194221Z - 194230Z and 194741Z - 194750Z.

The Johnson-Williams liquid water probe did not work.

All other instruments worked optimally during the flight.

The aircraft INE positions were not renavigated with respect to GPS.

SPECIAL NOTE!!! Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm.
It is recommended that these values be used for vertical wind analysis.

	Takeoff	Landing
Aircraft Static Pressure	1017.7 mb	1015.2 mb
Corrected Tower Pressure	1017.5mb	1016.5 mb

Flight Director:	A. Barry Damiano
Phone #:	(813) 828-3310 ext. 3073

1990-1991

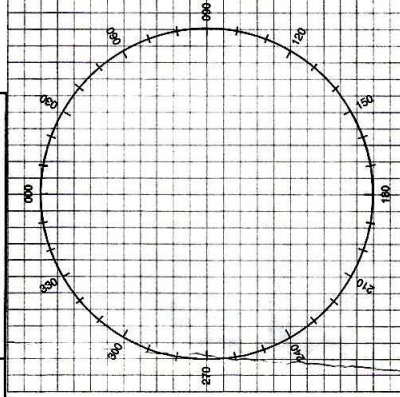
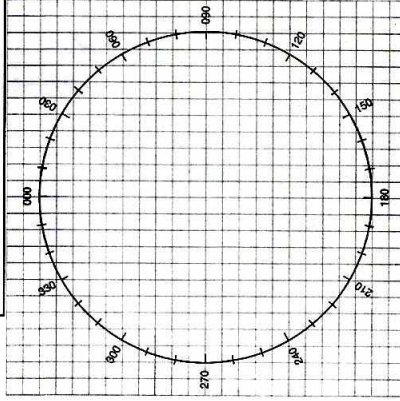
Flight ID : 02081416

Landing : _____

[illegible]

[illegible]

PAGE OF



6. NEXT POSITION

- PILOT INTENTIONS
- WE HAVE
- ENDURANCE REMAINING

[illegible]

15 lbs

TERMINAL ERRORS		INS 1	INS 2
DELTA LAT	+7	+1.4	
DELTA LON	+4	-2.5	
RGS	1	1	
RADIAL ERROR	1	2.	

[illegible][illegible]