

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

AOCWF1

Flt ID: H080731	From: KMCF	To: KMCF
Flt No: 08-048	Blk In: 1544	ATA: 1535z
ETD: 1300z	Blk Out: 1240z	ATD: 1251z
ETE:	Blk Time: 3:04 (3.1)	Flt Time: 2:44 (2.7)
Sponsor Org: UMASS/NESDDS	Program: HURRICANE	Purpose: TEST FLT KU-SCAT

AOC Personnel

AC: NEWMAN	Sys Eng:
CP: EBHARDT	Data Sys: PEEK
Nav: BISHOP / KIDDER	Radar:
FE: BAST	GPS/BT: BECK RASCO
FD: DAMIANO	Cld Phys:
Avionics: OLNEY	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
CHU	KU-SCAT	UMASS
MANUS	KU-SCAT	UMASS

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

27 240 235
25 060 053

No AS#TECH for flt

Buoy 41012 30.04N 80.55W
30°03' 80°33'

Buoy ~~28~~ 42036 28.5N 84.52W
235 28°30'N 84°31'W
055

1076.5 / 1015.9

1016.7 / 1016.2

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

AOCWF2

Flt ID: H080731		Time Off: 1251Z		Time On: 1535Z	
A/C (Take Off)		Wx Station (Take Off)		A/C (Land)	
Pressure		30.04 / 1015.5		30.02 / 1015.7	
Number		Data Disposition / Date / Quality			
Flt Lvl Tapes		2			
Radar Tapes					
Cloud Physics Tapes					
Video Tapes					
AXBT					
AXCP					
AXCTD					
Dropsondes		3 3 good; no messages sent			

Video

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

Remarks

360 (245) 065
 65 34
 360 15 065
 345
 245
 40
 335
 2145
 90
 155
 335 / 155
 180
 335
 1408Z
 Drop 1 Spl 1015.4 29.99°N 79.50W
 713.2 10.1 72% 244/7.4 3027
 781.5 14.4 70% 255/7.3 2264
 Drop 2 Spl 1014.6 30.35 79.58
 1415Z 781.6 14.5 72% 258/10 2257
 Drop 3 Spl 1015.4 30.18N 80.13W
 1458Z



N42RF ERROR SUMMARY KU-SCAT CALIBRATION



Flight ID: 080731H

<u>Sensor or system</u>	<u>Number or Name</u>
Inertial	INE1
Accelerometer	ACC1
Temperature Probe	TT1
Dew Point Probe	TDM2X (EdgeTech)
Static Pressure	PSF
Dynamic Pressure	PQF1
Vert. Wind	RA159X
Constants File	n42_hur08v3.adc
Project Directory	/acdata/2008/hur08

Notes:

There were no data gaps.

There were no liquid water sensors available for the flight.

Measured dewpoint temperature #2 (EdgeTech)...TDM2...had erroneous data occur at 152600Z – 152700Z. The erroneous data was removed and patched using statistical techniques and data from TDM3...TDL/Maycomm.

All other instrumentation worked optimally.

Three (3) GPS dropsondes were deployed all being good. No messages were sent to NHC.

Takeoff

Landing

1251Z

1535Z

Aircraft Static Pressure

1015.4mb

1015.4mb

Corrected Tower Pressure

1015.5mb

1015.7mb

Flight Director:

A. Barry Damiano

(813) 828-3310 ext. 3073

H080731

NO Data Gaps

NO ASHTECH DATA

IWE1

ACC1

TT1

TDM2

PSF

PQF1

RA159 = 1469550

124801 - 125348

153441 - 15³⁸~~400~~

TDM2 fix

~~12~~ 1525 - 1528

use with
TDM3

152603 - 152618

remove then patch .26

CPA BOOY 133319

~~15~~ 145133

~~145032~~

N42RF AVAPS DropSonde Log

Project: _____ Flight ID: 080731H Flt Dir: ABD

Mission: DW TEST FLT Flight #: 1 Status: Sys 1 ☒ Sys 2 ☐

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. Offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	Good ☒
1	001329291	1	1402	-0.5	5	CR	NESDIS		☒
2	001339041	2	1411	-0.5	6	↓			☒
3	001519142	1	1446	Q	4	↓			
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									

\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS

Handwritten notes:
 080731H
 1402
 1411
 1446
 1455

