

Flt ID: I020823	From: KMCF	To: KMCF
Flt No.: 02-28	Blk In: 1943Z	ATA: 1935Z
ETD: 1400Z	Blk Out: 1347Z	ATD: 1358Z
ETE: 1:32	Blk Time: 5:56 (5.9)	Flt Time: 5:37 (5.6)
Sponsor Org: HRD	Program: HURRICANE RESEARCH	Purpose: OBLAST AND FORMATION FLYING

AOC Personnel

AC: TENNESEN	Sys Eng: F
CP: HALVERSON/SILAH	Data Sys: LYNCH ✓
Nav: ADLER ✓	Radar: ✓
FE: FLOYD	GPS/BT: TONG ✓
Avionics: SANS SOUCI ✓	Cid Phys: ✓
FD: DAMIANO ✓	GOLDSTEIN ✓

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
BLACK, M. ✓	PI	HRD
BLACK, P. ✓	PI	
WHITE, S. ✓	OBS BAT	
UHLHORN, E. ✓	OBS AXBT	
VALDE, K. ✓	OBS	
MATUSOV, P. ✓		SCRIPTS-HUWARD
SULLIVAN, C. ✓	OBS (VIP)	NOAA HQ
KUESTER, S. ✓	OBS (VIP)	
RENART, D. ✓	OBS (VIP)	

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

FLY IN FORMATION AT 10K TO BUOY 42003 25°53'N 85°57'W
 N43RF will be in lead

Out at 10K

N43RF @ 12K then down to 10K

ET DWPT not working at 70

Circles + Box pattern solo

Bal DW 1 1448Z

RA232 154940

1825Z - 1850Z

9am
for safety
brief

9:15 plus
side

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

AOCWF2

Flt ID: <i>I 020823</i>	Time Off: <i>1358Z</i>	Time On: <i>1935Z</i>
	A/C (Take Off)	Wx Stn (Take Off)
Pressure	<i>1018.8</i>	<i>30.10</i>
	A/C (Land)	Wx Stn (Land)
	<i>1016.2</i>	<i>30.01</i>

	Number	Data Disposition/Date/Quality
Slow/Fast Fit Lvl Tapes	<i>4</i>	
Radar Tapes	<i>1</i>	
Cloud Physics Tapes		
Video Tapes	<i>3</i>	
AXBT	<i>4</i>	
AXCP		
AXCTD		
Dropsondes	<i>2</i>	<i>Transmitted one message; 1 bad + 1 good</i>
SOUND BUOYS	<i>6</i>	

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

Remarks

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _s	Press. Alt.	Geo. Alt.	Sic Press.	Press. Sic	Dyn. Press	Remarks
175220	start out from buoy at 400 ft													
175710	end leg													
175915	start toward buoy at 400 ft													
180420	end leg													
180800	start leg from buoy at 200 ft													
181300	end leg													
181600	start leg toward buoy at 200 ft													
182100	end leg													
182830	right turn (140) (40)													
183050	end turn													
183130	left turn (240)													
183420	end turn													
183550	into wind BOX													
183750	end													
183850	start $\perp$ to wind													
184050	end													
184150	start with wind													
184350	end													
184510	start $\perp$ to wind													
184710	end													
184723	2600	8546	323	325	55	8	23.3	20.3						AXBT (12)
185227	2611	8530	65	65	329	7	8.6	2.9						AXBT
185810	2622	8503	66	66	319	5	7.0	-1.7	3478	3691	1014.6	659.5	109.2	C/D BLW



**NOAA P-3 N43RF
Hurricane Research
Formation Flight/CBLAST**



Flight ID: I020823

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	1
Dew Point Probe	3 (Buck Research)
Altitude (for vertical wind)	Radar Altitude (RA-232)
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO3021.CON

Notes:

Two GPS dropsondes were deployed: 27° 09'N 83° 11'W at time 1420Z
27° 13'N 83° 10'W at time 1426Z

There was one time/data gap: 172321Z - 172530Z.

The Johnson-Williams liquid water probe did not work.

All other instruments worked optimally during the flight.

The aircraft INE positions were renavigated with respect to GPS.

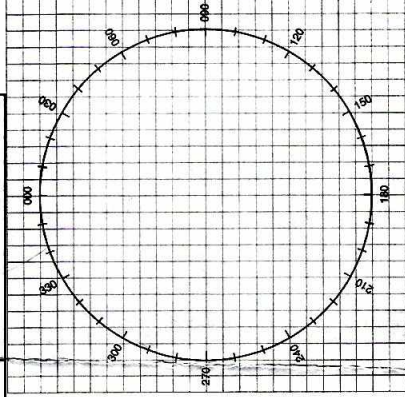
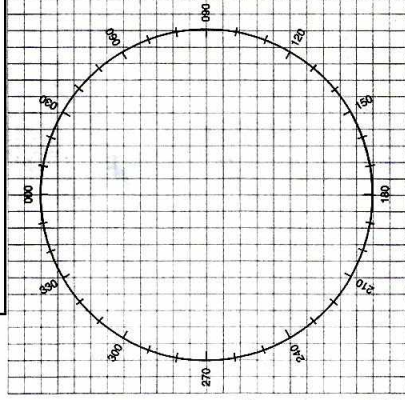
SPECIAL NOTE!!! Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm.
It is recommended that these values be used for vertical wind analysis.

	Takeoff	Landing
Aircraft Static Pressure	1018.8 mb	1016.2 mb
Corrected Tower Pressure	1018.8 mb	1016.4 mb

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

CLEARANCES			
FREQ	ALT	HDG	OTHER
			R 080° 1600 7
			24 119.9
			24536
			24
			257
			211K 200
			L 030° 1600 40

POSITION REPORT



POSITION REPORT

1. POSITION
 2. TIME
 3. ALTITUDE
 4. NEXT POSITION
 5. ETA
 6. NEXT POSITION

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N/S _____

- HEADING _____ **TRUE/MAG** _____

- AT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE

- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD _____

- NATURE OF EMERGENCY

- ASSISTANCE DESIR

- PILOT INTENTIONS
- WE HAVE
ENDURANCE REMAINING

[illegible]

