



NOAA P-3 N43RF
CBLAST- HURRICANE ISABEL
KMCF - TISX Ferry Flight



Flight ID: 030911I

Sensor or system

Number or Name

INE

2

Accelerometer

2

Temperature Probe

1

Dew Point Probe

2 (EdgeTech)

Altitude (for vertical wind)

Radar Altimeter 159

Static Pressure

Rosemount Fuselage

Dynamic Pressure

Rosemount Fuselage 1281

Time Source

Micro 99

Constants File

CO3033.CON

Notes:

All instruments worked optimally during the ferry flight.

While flying over eastern Puerto Rico, large terrain differences were reflected in the Surface Pressure, Radar Altitude, D-value, and Vertical Winds. No changes were made to the data during this time period. However, this data should be used cautiously.

RA232 data was substituted for RA159 from 165801-170632 (take-off), 204042-204054, and 205728-205900 (landing) due to spiking.

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	1016.0 mb	1011.1mb
Corrected Tower Pressure	1016.1 mb	1010.1 mb

Flight Director:

Paul Flaherty (813) 828-3310 ext. 3094

FERRY FLIGHT

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

AOCWA

Flt ID: 030911I	From: KMCF	To: TISX
Flt No: 03-	Blk In: 2101z	ATA: 2057z
ETD: 1700 z	Blk Out: 1650z	ATD: 1701z
ETE: 4.30	Blk Time: 4.2 hrs	Flt Time: 3+56 (3.9 hrs)
Sponsor Org: NOAA HRD	Program: CBLAST NOAA WOODS	Purpose: FERRY

AOC Personnel

AC: TENNESSEN ✓	Sys Eng: LYNCH, T ✓
CP: STRONG, T / TEBSEST, R	Data Sys: TONG, R ✓
Nav: NEWMAN, C ✓	Radar:
FE: FLOYD, D ✓ / BAST, G ✓	GPS/BT: SMITH, J ✓
FD: FLAHERTY, P ✓ / DAMIANO, A B ✓	Cld Phys:
Avionics: SANS SOUCI, D ✓	MITCHELL, R ✓

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
PAULEIGHTON, P ✓	VIS SCI	HRD
ROGERS, R ✓	VIS SCI	HRD
ULHORN, E ✓	VIS SCI	HRD
LANDSEA, C ✓	VIS SCI	HRD

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

1745 LAT
64 40

SFC PRESS. FALCONSP
STATIC PRESS → 1705

Alt ID:

030911 I

Time Off:

1701 Z

Time On:

2057

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1016.0	30.02	1011.1	29.90

	Number	Data Disposition / Date / Quality
Alt Lvl Tapes		
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
XBT		
XCP		
XCTD		
Probes		

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

Remarks

NOAA3 WX 104 TRAIN
NOAA3 WXWXA TRAIN

030911 I

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Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt	Geo. Alt	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
1651	2750	0229	✓	✓	38	6.9	30.6	19.0	✓	✓	1016.2	1016.2	.4	ROLL
1702	2751	0229	82	79	19	9.8	24.4	17.4	885	1	975.3	975.0	63	T/O
172021	2706	0132	152	157	259	20	-7.2	-34.3	5830	6127	1005.6	483.3	73.1	20,000 FT RA
174201	2612	7944	119	122	265	19.6	-11.9	-23.3	6431	6777	1010.5	444.5	73.8	21,000 PA
180100	2522	7811	123	126	210	7.3	-11.2	-21.1	6428	6784	1006.7	444.8	72.7	CR
181635	2441	7703	123	126	230	11.7	-11.8	-27.2	6427	6774	1007.4	444.9	73.8	CR
183555	2345	7530	125	128	229	9.3	-12.6	-21.9	6424	6778	1010.9	445.1	72.0	CR
185408	2256	7402	121	122	320	5.1	-12.7	-23.2	6423	6780	1010.3	445.1	81.6	CR
192340	2441	7138	117	117	333	13.2	-12.4	-22.6	6420	6780	1009.3	445.2	82.2	CR
205440	1741	6457	102	101	77	3.9	21.0	18.9	836	851	1002.1	924.7	61.6	USAC LANDING
2057	1742	6447	✓	✓	59	3.3	33.6	22.8	✓	✓	1011.1	✓	✓	TOUCH DOWN

1200

EMERGENCY MESSAGE

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/HF/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
_____ E / W AT _____ Z

- HEADING _____ TRUE/MAG

- ALT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____

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

- NATURE OF EMERGENCY _____

- ASSISTANCE DESIRED _____

- PILOT INTENTIONS _____

- WE HAVE _____ ENDURANCE REMAINING _____

[illegible]