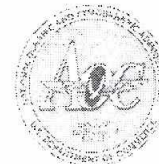




**NOAA P-3 N43RF
CBLAST- HURRICANE FABIAN
FERRY FLIGHT KMCF-TISX**



Flight ID: 030901I

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	1
Dew Point Probe	2 (EdgeTech)
Altitude (for vertical wind)	Radar Altimeter 232
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO3033.CON

Notes:

There were no time/data gaps during this flight.

Removed spikes in Radar Altimeter 232 during the times 183351Z-184730Z, 191501Z-191900Z, and from 200050Z-200410Z.

Vertical wind spikes between 211401Z-211800Z are the result of flying over the mountainous terrain of Puerto Rico. No Corrections were made to these values.

King Liquid Water Sensor was not recording data through the entire flight.

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	1017.7 mb	1012.9 mb
Corrected Tower Pressure	1017.8 mb	1012.5 mb

Flight Director: Martin Mayeaux (813) 828-3310 ext. 3086

Flt ID: 1030901	From: Knef	To: TISX
Flt No: 03-070	Blk In: 2140Z	ATA: 2137Z
ETD: 1700Z	Blk Out: 1702Z	ATD: 1714Z
ETE: 4:00	Blk Time: 4:38 (4.6)	Flt Time: 4:23 (4.4)
Sponsor Org: HRD	Program: CBlast	Purpose: ferry flight + intercomparison

AOC Personnel

AC: Tennesen	Sys Eng:
CP: Tebrest / Stat Strong	Data Sys: Lynch
Nav: Adler	Radar: Sen Souci
FE: Bast / Floyd ^{owes 1 next flight}	GPS/BT:
FD: Mayeaux / Damiano	Cld Phys:
Avionics: Tong	mech- Mitchell

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Black, P	PI	HRD
Aberson, S	Sci	HRD
Uthorn, E	Sci	HRD
Rogers, R	Sci	HRD

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

Noaa 42 is 4 seconds ahead of 43 for intercomparison. After 1st leg, they synchronized with 43 perfectly.

152
20th
K-14
42

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

ID: 030901I Time Off: 1744Z Time On: 2137

Pressure	1019.1	3007	1017.3	29.97
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	Number	Data Disposition / Date / Quality
Alt Lvl Tapes	2	
Radar Tapes	1	
Cloud Physics Tapes		
Video Tapes		
XBT		
XCP		
XCTD		
Droptsondes		

Video

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

Remarks
Intercomparison w/ 42

PAGE ____ OF ____

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

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

-AT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____

- NATURE OF EMERGENCY _____

- ASSISTANCE DESIN

- WE HAVE _____ ENDURANCE REMAINING

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

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/VFOICE	VHF/VFOICE	MFR/VFOICE	HFR/CW	MFR/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION	_____	N / S
- HEADING	_____	E / W
- AT	_____	AT _____
- TRUE MAG	_____	Z
- KTS TRUE INDICATED	_____	
- FLIGHT LEVEL OR ALTITUDE	_____	
- WE ARE A P-3 AIRCRAFT WITH _____	_____	
- NATURE OF EMERGENCY	_____	SOULS ON BOARD
- ASSISTANCE DESIRED	_____	
- PILOT INTENTIONS	_____	
- WE HAVE _____	_____	
- ENDURANCE REMAINING	_____	

[illegible]

NAVIGATOR

MISSION
REQD FOR FABIAN

ADLER

AIRCRAFT COMMANDER

FLIGHT DIRECTOR

SCHEDULED / ACTUAL TAKEOFF	DATE OF TAKEOFF

DESTINATION	T1SX
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MISSION
KERO FOR FABIAN

ADLER

TESSER

ΔΑΜΙΑΝ

1720, 1715, 1710, 1705, 1700, 1695, 1690, 1685, 1680, 1675, 1670, 1665, 1660, 1655, 1650, 1645, 1640, 1635, 1630, 1625, 1620, 1615, 1610, 1605, 1600, 1595, 1590, 1585, 1580, 1575, 1570, 1565, 1560, 1555, 1550, 1545, 1540, 1535, 1530, 1525, 1520, 1515, 1510, 1505, 1500, 1495, 1490, 1485, 1480, 1475, 1470, 1465, 1460, 1455, 1450, 1445, 1440, 1435, 1430, 1425, 1420, 1415, 1410, 1405, 1400, 1395, 1390, 1385, 1380, 1375, 1370, 1365, 1360, 1355, 1350, 1345, 1340, 1335, 1330, 1325, 1320, 1315, 1310, 1305, 1300, 1295, 1290, 1285, 1280, 1275, 1270, 1265, 1260, 1255, 1250, 1245, 1240, 1235, 1230, 1225, 1220, 1215, 1210, 1205, 1200, 1195, 1190, 1185, 1180, 1175, 1170, 1165, 1160, 1155, 1150, 1145, 1140, 1135, 1130, 1125, 1120, 1115, 1110, 1105, 1100, 1095, 1090, 1085, 1080, 1075, 1070, 1065, 1060, 1055, 1050, 1045, 1040, 1035, 1030, 1025, 1020, 1015, 1010, 1005, 1000, 995, 990, 985, 980, 975, 970, 965, 960, 955, 950, 945, 940, 935, 930, 925, 920, 915, 910, 905, 900, 895, 890, 885, 880, 875, 870, 865, 860, 855, 850, 845, 840, 835, 830, 825, 820, 815, 810, 805, 800, 795, 790, 785, 780, 775, 770, 765, 760, 755, 750, 745, 740, 735, 730, 725, 720, 715, 710, 705, 700, 695, 690, 685, 680, 675, 670, 665, 660, 655, 650, 645, 640, 635, 630, 625, 620, 615, 610, 605, 600, 595, 590, 585, 580, 575, 570, 565, 560, 555, 550, 545, 540, 535, 530, 525, 520, 515, 510, 505, 500, 495, 490, 485, 480, 475, 470, 465, 460, 455, 450, 445, 440, 435, 430, 425, 420, 415, 410, 405, 400, 395, 390, 385, 380, 375, 370, 365, 360, 355, 350, 345, 340, 335, 330, 325, 320, 315, 310, 305, 300, 295, 290, 285, 280, 275, 270, 265, 260, 255, 250, 245, 240, 235, 230, 225, 220, 215, 210, 205, 200, 195, 190, 185, 180, 175, 170, 165, 160, 155, 150, 145, 140, 135, 130, 125, 120, 115, 110, 105, 100, 95, 90, 85, 80, 75, 70, 65, 60, 55, 50, 45, 40, 35, 30, 25, 20, 15, 10, 5, 0.

16 SOB

INS PERFORMANCE		INS 1		INS 2	
BEGIN ALIGN TIME		1500		1500	
ALIGN STATUS (0-5)		0		0	
END NAV TIME		2134		2134	
START NAV TIME		1640		1640	
DELTA T		4 + 4		4 + 54	

TERMINAL ERRORS	
INS 1	INS 2
DELTA LAT	-2.8 -9
DELTA LON	+0.7 +6
RGS	5 6
RADIAL ERROR	3 1

[illegible]

REMARKS

11C V509 HALL PB1 BR 54V ZQA → 17K

ASSS $\rightarrow$ COF