

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

AOCWF-1

Flt ID: 17030624	From: KBLV	To: KBLV
Flt No: 03 - 22 22	Blk In: 0643Z	ATA: 0602Z
ETD: 0215Z	Blk Out: 0235Z	ATD: 0243Z
ETE:	Blk Time: 3:38 (3.6)	Flt Time: 3:15 (3.3)
Sponsor Org: NSSL/NOAA	Program: BAMEX	Purpose: SW MANN

AOC Personnel

AC: TENNESEN ✓	Sys Eng:
CP: SLAH / TIEBEST ✓	Data Sys: McMILLAN ✓
Nav: BRABO ✓	Radar: PEEK ✓
FE: BORREY ✓	GPS/BT:
FD: DAMIANO / MAYEAUX ✓	Cld Phys:
Avionics:	SHEPHERD ✓

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
JORGENSEN, D. ✓	PI	NSSL
SMULL ✓	ASST. PI	NSSL
McFARQUAR ✓	PI	U-ILL
BOUCHARD ✓	OBS	LYNDON STATE COL.

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

T/O delayed waiting for weather NO J-W
Chg IP from Worthington, MN to OMAHA, NE
0352Z turned to NE to go around weather

0425Z ABORTED MISSION
due to fuel leak on
3 engine
Dumped fuel to lessen weight leaving
0451Z shutdown #3 engine load

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AOCWF2

Flt ID:

17030624

Time Off:

0243Z

Time On:

0602Z

A/C (Take Off)

Wx Station (Take Off)

A/C (Land)

Wx Station (Land)

Pressure

998.2

29.976

1014.50

2997

Number

Data Disposition / Date / Quality

Flt Lvl Tapes

2

Radar Tapes

1

Cloud Physics Tapes

Video Tapes

3

AXBT

AXCP

AXCTD

Dropsondes

Video

Forward

Left Side

Right Side

Down

Remarks

Time On

Time Off

Rate

Remarks



**NOAA P-3 N42RF
BAMEX
INVESTIGATION FLIGHT 12**



Flight ID: H030624

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	1
Dew Point Probe	2 (Edge-Tech)
Altitude (for vertical wind)	Pressure Altitude
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2032.CON

Notes:

There was one time/data gap during this flight which occurred from 024351Z-024410Z.

Due to a fuel leak associated with the #3 engine, the mission was aborted at 0425Z.

Substituted Radar Altimeter 232 for 159 during the times 024000Z-024300Z and 060200Z-060500Z, removed data spike from RA159 from 043100Z-043300Z, and corrected data from 042700Z-043000Z. Also, Radar Altimeter 159 not functioning during a fuel dumping process from 043312Z-045450Z.

Johnson-Williams Liquid Water Sensor was not working through the entire 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	998.2 mb	1014.5mb
Corrected Tower Pressure	997.9 mb	998.2 mb

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

Flight ID: 17030624

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Form 413-50

[illegible]

Post Processing

INE 2 is best

TT1

TD 2

PQF

RA 2370 159

Renav

060500, -0.8, 0.8

050500, -0.6, 0.2

040500, 0, 0.3

030500, -0.1, -0.1

~~020500~~

Dewet sp. ra 024520-024641

Fit RA-~~0428~~ 0427-0430 Bin 30-35 wt(.1)

024000-024300 (wt. 0.03) 0431-0433 (44-48) (wt. 0.3)

Sub 232

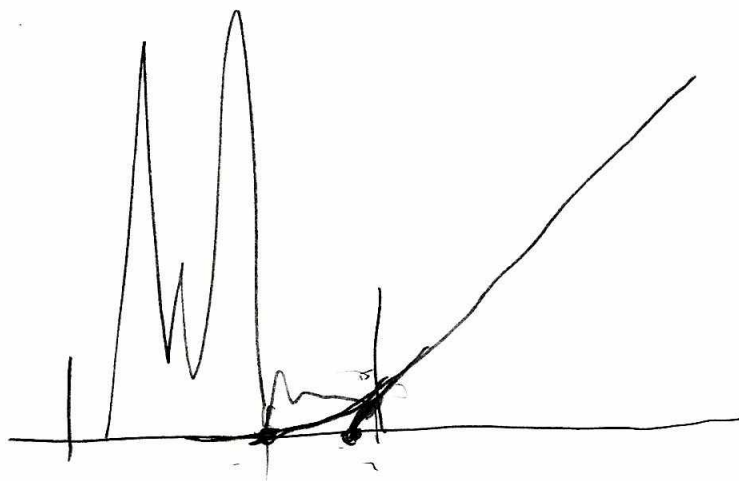
0602-End (17-33) (wt. 0.2)

On Straight Part-0433R-045450

RA 159 was off for fuel dump Proc

Bad data

024351-024410



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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
BAMEX FLIGHT 12
YYMMDDL FLT I.D.
030624H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
024000
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
060500
HHMMSS TAKE OFF TIME
024300
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
13
* -----LOGICAL UNIT OF INPUT DATA (I1) 5, 8 OR 9 FOR TAPE DRIVE
8
* -----LOGICAL UNIT OF OUTPUT TAPE DRIVE (I1) [FOR STANDARD TAPE ONLY]
8
* -----LOGICAL UNIT OF PRINTER (I1)
6
* -----DATE OF PROGRAM (MMDDY)
06094
* -----STATIC PRESSURE PROBE (I1)
* 1 = PSW (WINGTIP)
* 2 = PSF (CO-PILOT/FUSELAGE)
* 3 = FUTURE USE
2
* -----DYNAMIC PRESSURE PROBE (I1)
* 0 = PQW(WINGTIP)
* 1 = PQF1 (FUSELAGE 1281)
* 2 = PQF2 (FUSELAGE 1221)
* 3 =FUTURE US
1
* -----INE SELECTION (I1)
* 1 = INE 1
* 2 = INE 2
2
* -----ACCELEROMETER (I1) - USUALLY THE SAME AS YOUR INE SELECTION
2
* ----- TOTAL TEMPERATURE PROBE (I1) [1 OR 2]
1
* ----- DEWPOINT TEMPERATURE PROBE (I1) [1 OR 2]
2
* -----ALTIMETER OPTION (I1) - FOR VERTICAL WIND COMPUTATION
* 0 = PRESSURE ALTITUDE (OVER LAND)
* 1 = RADAR ALTITUDE APN-159 (OVER WATER)
* 2 = RADAR ALTITUDE APN-232 (OVER WATER)
0
* -----PRINTOUT RATE SECONDS (I2)
30
* -----WINDSPEED/DIRECTION RUNNING AVERAGE TIME, SECONDS (I2)
10 ! FOR STANDARD TAPE OUTPUT ONLY
* -----TIME OPTION (I1)
* 1 = MICRO 29
* 2 = TIME BASED GENERATOR #1
* 3 = TIME BASED GENERATOR #2
1
* -----NAME OF CONSTANTS FILE EX CO3863.CON
CO2032.CON
*****

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25 AS

POSITION REPORT

[illegible]