



NOAA P-3 N42RF
IFEX/Hurricane 2005
KNIP - KNIP



Flight ID: H050710

<u>Sensor or system</u>	<u>Number or Name</u>
Inertial + Accelerometer Data	2
Temperature Probe	1
Dew Point Probe	1
Altitude (for vertical wind)	Radar Altitude 159
Static and Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2054.CON

Notes:

There were time/data gaps from 185901-185920Z and 224111-224130Z. Be aware of data spikes as a result of these data gaps.

RA-232 was substituted for RA-159 during the following times: 185001-185447Z (take off), and 021359-021800Z (landing) due to spiking in RA-159.

There were several instances when the dew point temperature exceeded the ambient temperature resulting in a RH% above 100%. These times were during heavy precipitation events and were likely due to a wet-bulb effect on the total temperature sensor, and/or an artificial warming of the dew point sensor as it tried to burn off excess moisture. No corrections were made during these events.

There were no working Liquid Water Sensors for this flight. All other instruments worked optimally during the flight. The aircraft INE positions were renavigated with respect to GPS.

Due to AOC equipment/printer failure, the last step of our Quality Control process (visual QC) was not able to be performed. While other measures were taken to ensure there were no problems with the data, questions concerning questionable data should be brought to the attention of the Flight Director ASAP.

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.

	Take-off	Landing
Aircraft pressure	1013.6 mb	1013.9 mb (PSM2)
Station pressure	1013.1 mb	1012.0mb

Flight Director: Contact Paul Flaherty
Phone #: (813) 828-3310 ext. 3094

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

AOCWF1

Flt ID: 050710 H	From: KNIP	To: KNIP
Flt No: 05-033	Blk In: 0222	ATA: 0215z
ETD: 19z	Blk Out: 1842z	ATD: 1853z
ETE: 7+00	Blk Time: 7+40 (7.7)	Flt Time: 7+22 (7.4)
Sponsor Org: NOAA - H2D	Program: POST LANDFALL RESEARCH	Purpose: HURR DENNIS LANDFALL

AOC Personnel

AC: KENNEDY	Sys Eng: McMURRY
CP: CHOI / SILAH	Data Sys: Hill
Nav: GALLAGHER	Radar:
FE: WADE	GPS/BT:
FD: FLAHERTY	Cld Phys:
Avionics: ROGERS	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
DODGE, P	PI	(H2D)
LEIGHTON, P	RAVAD	"
ROGERS, R	SFMR	"
MURPHY, S	RAVAD	"

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

NOAA2 WX04A DENNIS

NO RECCOS (J. PAUDNE)

3130
8803

KHRT

4 (4)
PEANES
2055z
2216z
2318z
0030z

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AOCWFF

Flt ID: 0507104

Time Off: 1853z

Time On: 0215z

A/C (Take Off)

Wx Station (Take Off)

A/C (Land)

Wx Station (Land)

Pressure

1013.6

1013.1

1013.9 *

1012.0

Number

Data Disposition / Date / Quality

Flt Lvl Tapes

2

Radar Tapes

1

Cloud Physics Tapes

Video Tapes

4

AXBT

AXCP

AXCTD

Dropsondes

17

17RD
17

5 BAD

Video

Forward

Left Side

Right Side

Down

Remarks

Time On

Time Off

Rate

Remarks

T/O A2997
1655z 15017KT 3SM -RAER 29/26

LAND 0055z ~~2800517 20SM 24/15 A2998~~

14019 626KT 6SM HZ 29/24 A2994

Screen 0 was out, 152M shown above for landing pressures

25

[illegible]

EMERGENCY MESSAGE

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

UNHF/VOICE VHF/VOICE MF/VOICE HF/VOICE MF/CW 300 KHZ
243.0 121.5 2182 KHZ 8364 KHZ 500 KHZ

THIS IS NOAA _____, NOAA _____

_____ MAYDAY, MAYDAY, MAYDAY

- POSITION _____ N/S E/W AT _____ Z

- HEADING _____ TRUE/MAG

- AT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____

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

- NATURE OF EMERGENCY _____

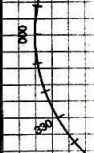
- ASSISTANCE DESIRED _____

- PILOT INTENTIONS _____

- WE HAVE _____ ENDURANCE REMAINING

POSITION REPORT

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

MISSION LOG	PAGE ____ OF ____
	

[illegible]

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E=>	TH	DR +R=>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1508	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1514	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1519	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1522	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1529	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1532	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1535	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1538	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1541	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1544	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1547	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1550	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1553	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1556	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1559	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1602	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1605	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1608	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1611	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	
1614	NAV	30-10-10.0	30-09-30.0	1.0	30-10-00.0	1.0	782	5	276	102	286	222	133	35	1300	210	274	80	119	1614	

Flight ID : 05071014

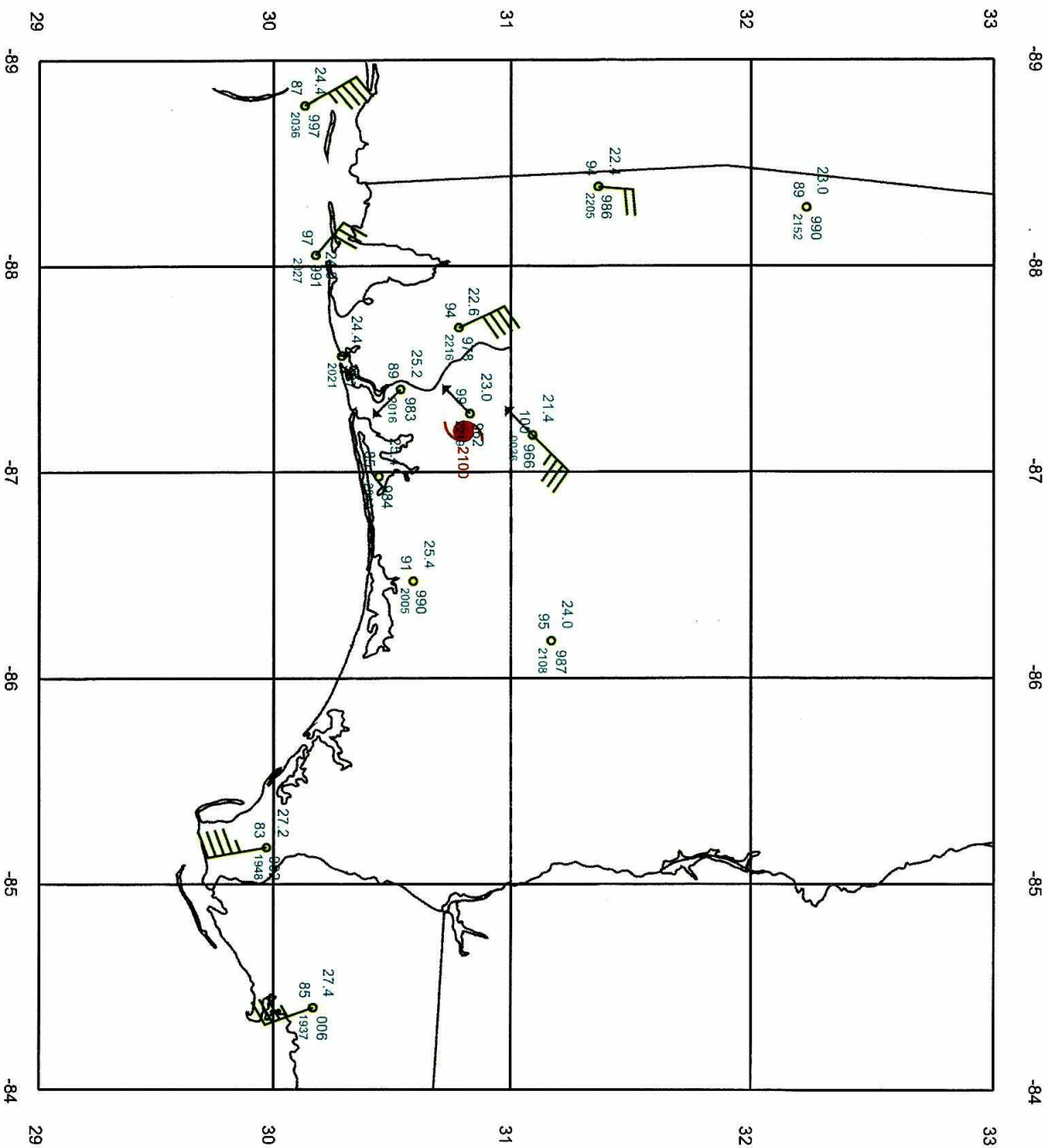
Landing :

Channel 1 Noisy CHARGE TO HRD

DENNIS

Surface

Date: 050710
Time: 18-30 UTC



mob_evx_tlh_map.ps Center Lat: 30.50 Lon: -86.00

