

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



Flight ID: H050710

<u>Sensor or system</u> Inertial + Accelerometer Data Temperature Probe

Dew Point Probe

Altitude (for vertical wind)
Static and Dynamic Pressure

Time Source Constants File <u>Number or Name</u>

2

1 1

> Radar Altitude 159 Rosemount Fuselage

Micro 99

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 wetbulb 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 Station pressure 1013.6 mb

1013.9 mb (PSM2)

1013.1 mb

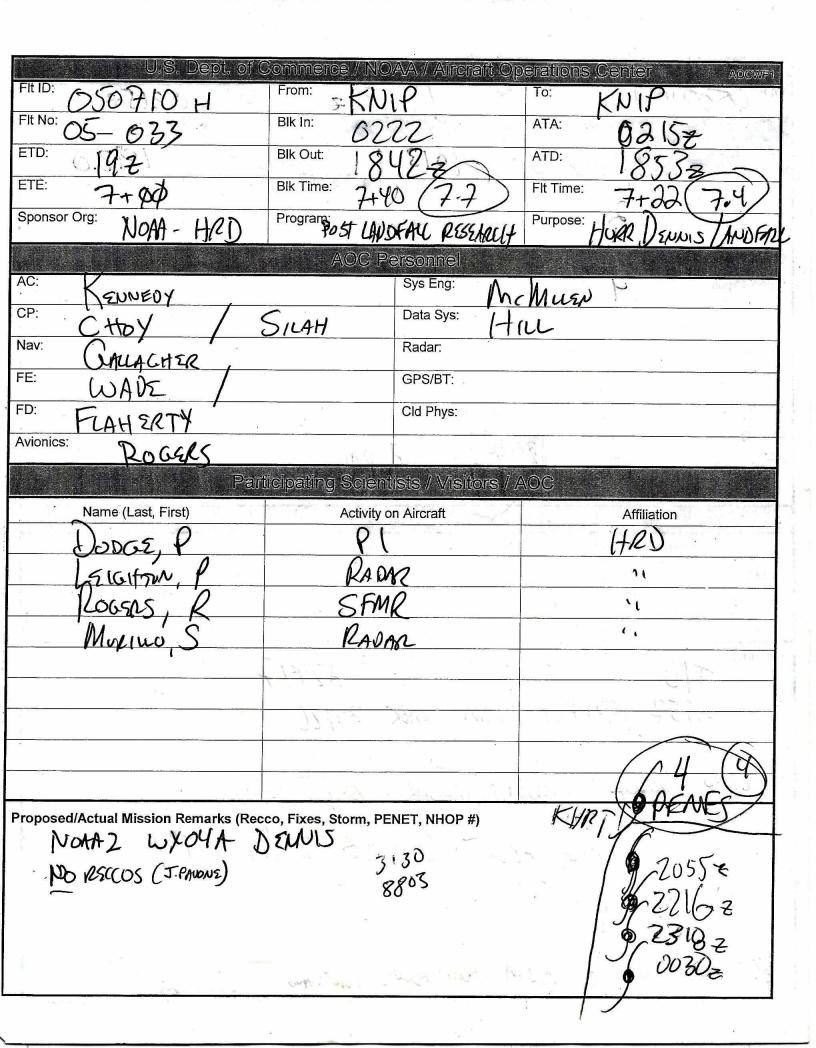
1012.0mb

Flight Director:

Phone #:

Contact Paul Flaherty

(813) 828-3310 ext. 3094



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N42RF AVAPS DROP LOG

Mission: Dennis (Landfall) Flight ID: 05071014

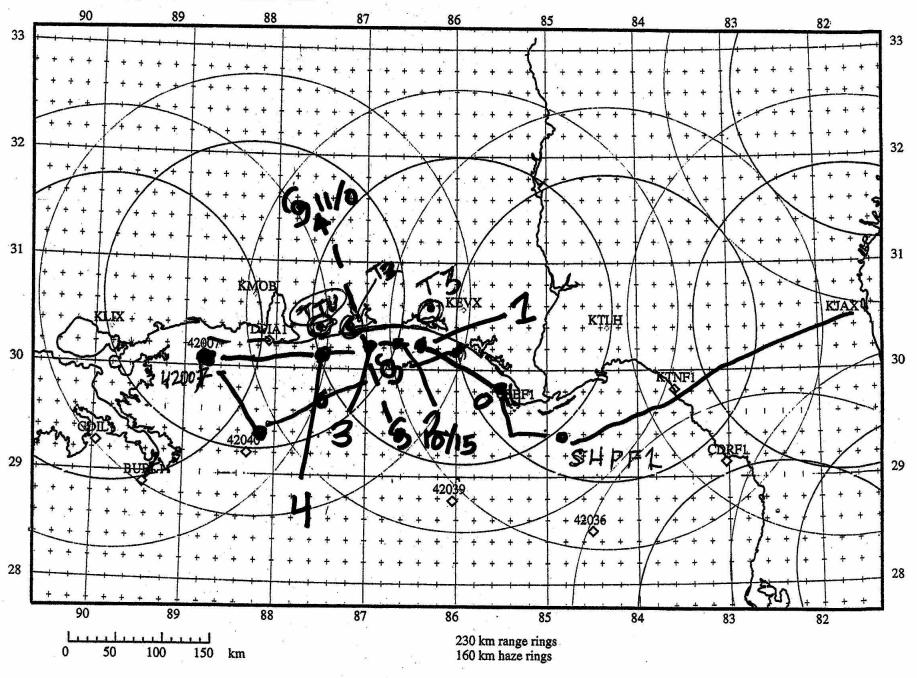
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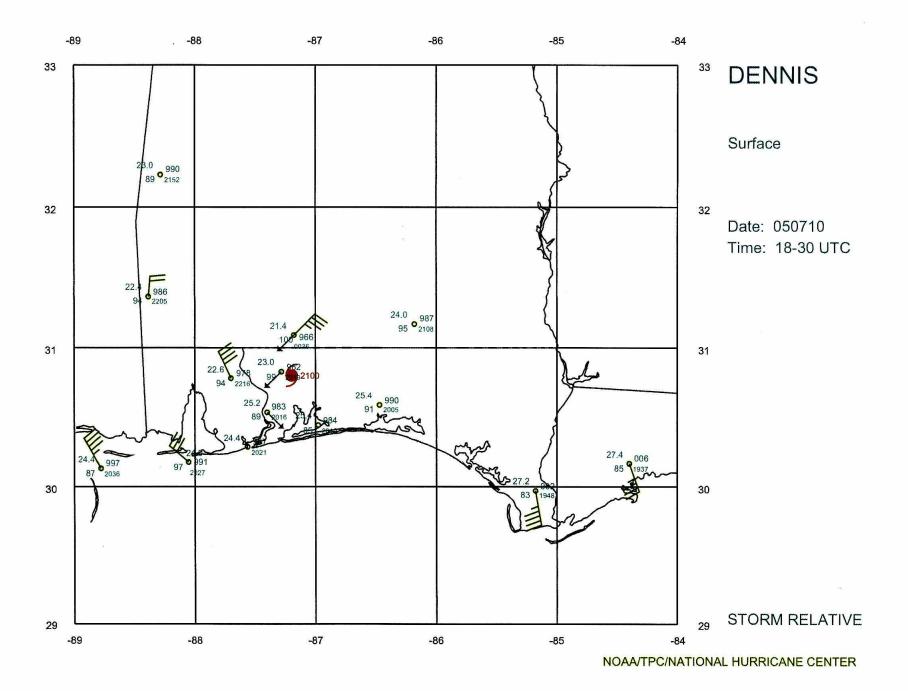
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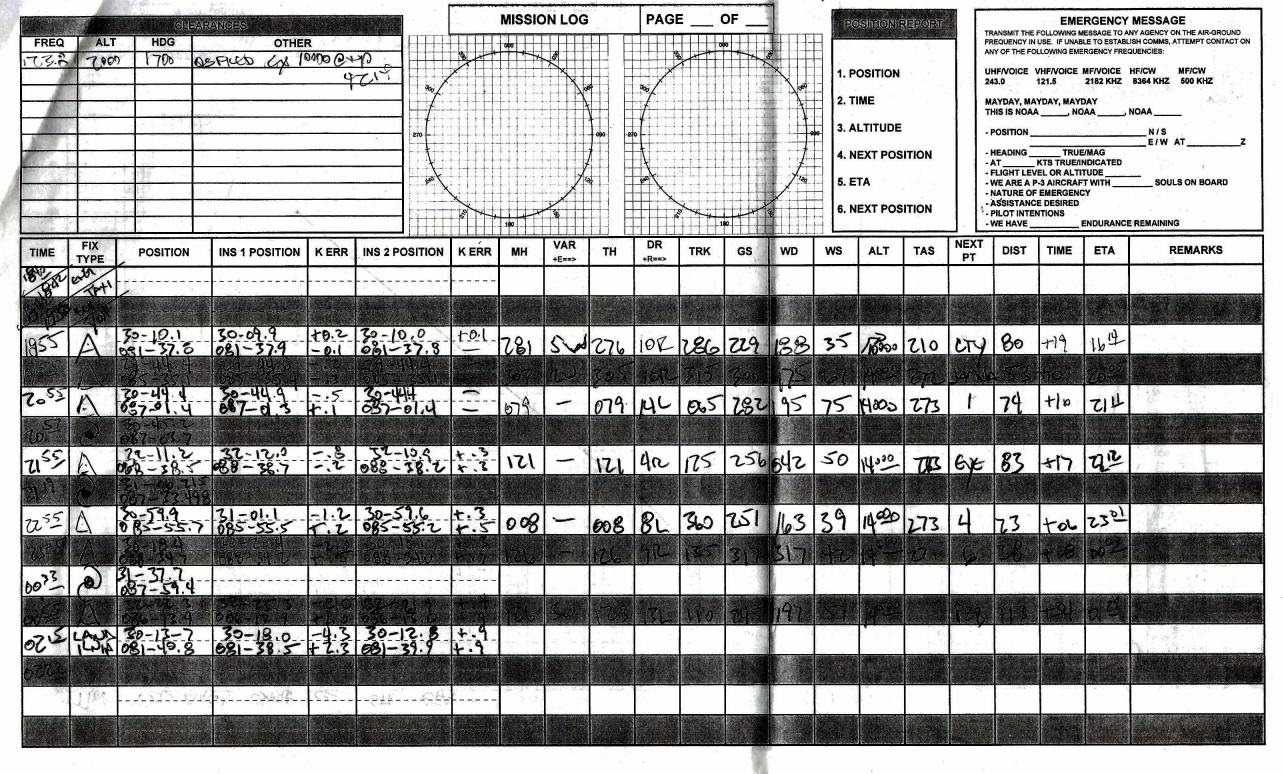
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CHARGE TO HRD

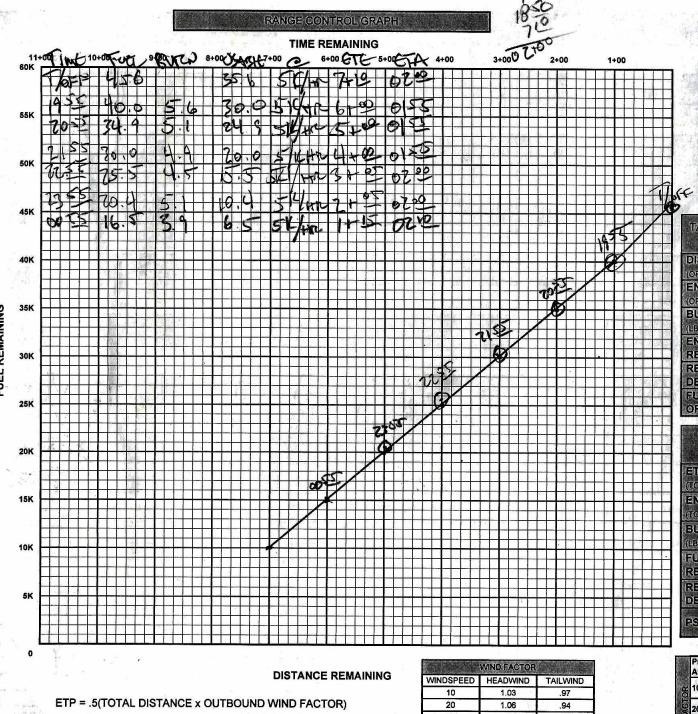
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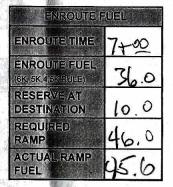






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(OFFSTA TO DEST)		
BURN RATE	4500	5500
(LBS/HR)	4500	5500
ENROUTE FUEL	ď.	
REQUIRED	i. W	771 000000
RESERVE AT		
DESTINATION	,	(a. 1)
FUEL AT	2	

POINT OF S		3 ENG
ETP DISTANCE (TO DEPARTURE)	COR III	2
ENROUTE TIME (TO DEPARTURE)		
BURN RATE (LBS/HR)	4500	5500
FUEL REQUIRED		
RESERVE AT DEPARTURE	T a	
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CEX - TRUE B	EARING	METH	OD
COMPASS TYPE	INS1	INS2	WET
MCH (READING)			
- MTH(sextant)			
CE			
-VAR	1 15	98 (A) V	
DEV			iatha di Milita

CEX SIGHT

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LONG +W EXACTLHA

BODY

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CEX - ERB METHOD								
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MCH (READING)								
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- VAR								
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	WIND FACTOR	
WINDSPEED	HEADWIND	TAILWIND
10	1.03	.97
20	1.06	.94
30	1.10	.92
40	1.14	.89
50	1.18	.87
60	1.22	.85

	PRESS ALT	200	250	300	350
90	10,000	1.0	1.0	.99	.99
FACT	20,000	.99	,98	.97	.97
ndi.	30,000	.97	.96	.95	.94
	40,000	.96	.94	.92	.90

TRUE AIRSPEED CROSS-CHECK							
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