

Flt ID: 030918H	From: KMCF	To: KMCF
Flt No: 03	Blk In: 2200Z	ATA: 2150Z
ETD: 12Z	Blk Out: 1151Z	ATD: 1202Z
ETE: 9+00	Blk Time: 10+9 10.2 (10.2)	Flt Time: 9+48 (9.8)
Sponsor Org: NOAA/NESDIS	Program: OCEAN WINDS	Purpose: HURR ISABEL

AOC Personnel

AC: KENNEDY, P ✓	Sys Eng: McMillen, S ✓
CP: SILAH, M / STRONG, T ✓	Data Sys: PEEK, B ✓
Nav: ADLER, J ✓	Radar: RODGERS
FE: BAST, G / WADS, S	GPS/BT: RODGERS
FD: FLAHERTY, P ✓ / SHERPARD, T	Cld Phys: RODGERS
Avionics: RODGERS, IM ✓	McFadden, J ✓

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
DOOG, P ✓	DROPS	HRD
GAMACHE, J ✓	RADAR	HRD
BLACK, B ✓	RADAR	HRD
LEIGHTON ✓	RADAR	HRD
MAVOR, T ✓	SCI	NESDIS
ESTERBAN, D ✓	TWRAPS	NESDIS - UMASS
CHANG, P ✓	PI	NESDIS
MUNSEY, C ✓	PRESS	NAVY TIMES

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

IF 32.27 75.42 SAM FIX 33.1 74.7 SPMEST 35.0 76.4	1306Z 3407 7515 3513 7537	1316 13 1442 1519 1600 1626 1648 1716	PENETRATIONS = 7 1 1425Z 7 1900 2 1450 3 1520 4 1608 5 1630 6 1653
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36.58
74.84
36.18
75.75

EYE
3451
7620

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

AOCWF2

Flt ID: 030918H Time Off: 1202z Time On: 12150z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1014.8	29.95	29.86	1011.6

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes		
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes		

Video

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

Remarks



NOAA P-3 N42RF
CBLAST/RECCO- HURRICANE ISABEL
MISSION 5 - Landfall



Flight ID: 030918H

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	1
Dew Point Probe	1 (General Eastern)
Altitude (for vertical wind)	Radar Altimeter 159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage 1281
Time Source	Micro 99
Constants File	CO2032.CON

Notes:

There were 4 time/data gaps from 210801-210810, 210951-211000, 211021-211030, and 211121-211130.

RA-232 was substituted for RA-159 from 115901-120637 (take-off) and 213206-215300 (landing) due to spiking.

From 134528-201303, the dewpoint temperature consistently exceeded the ambient temperature resulting in an RH over 120%. This was likely due to heavy precipitation, as it was also reflected in the J-W liquid water sensor data. This event likely occurred because of a wet-bulb effect on the total temperature sensor, and/or an artificial warming of the dewpoint sensor as it tried to remove excess moisture. TDM1 was offset by -1C during this time frame.

The aircraft INE positions were re-navigated 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	1014.8 mb	1011.6 mb
Corrected Tower Pressure	1013.8 mb	1010.7 mb

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

AF 8108 ± 76 kt
 35° 05' SW
 74° 43'
 956 mb

AIR FORCE

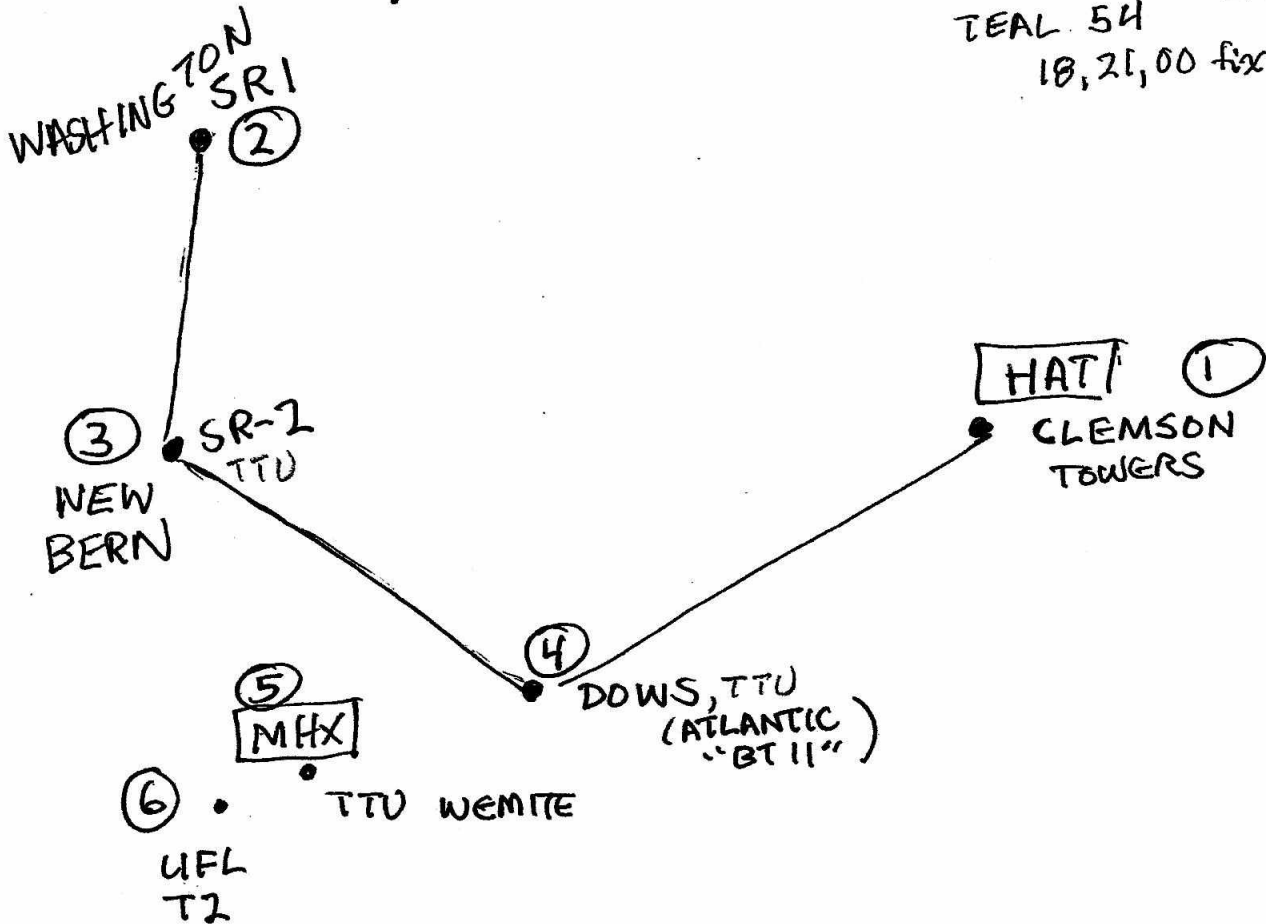
TEAL 22

15 Z fix

TEAL 54

18, 21, 00 fix

GAP we may have to do something



44014 : 36.58, 74.84

HATTERAS	①	35° 13'	75° 32'
WASHINGTON	②	35° 34'	77° 03'
NEW BERN	③	35° 04' 22.3"	77° 02' 39.4"
ATLANTIC	④	34° 53' 20.5"	76° 21' 18.2"
Morehead Beaufort	⑤	34° 43' 47"	76° 39' 24"
Atlantic Beach	⑥	34° 41' 54"	76° 40' 44.5"
Elizabeth City CG	⑦	36° 16'	76° 10' ⇒ DROP 36° 18' 75,00'
			75° 14'

CLKN7

34.62
76.53

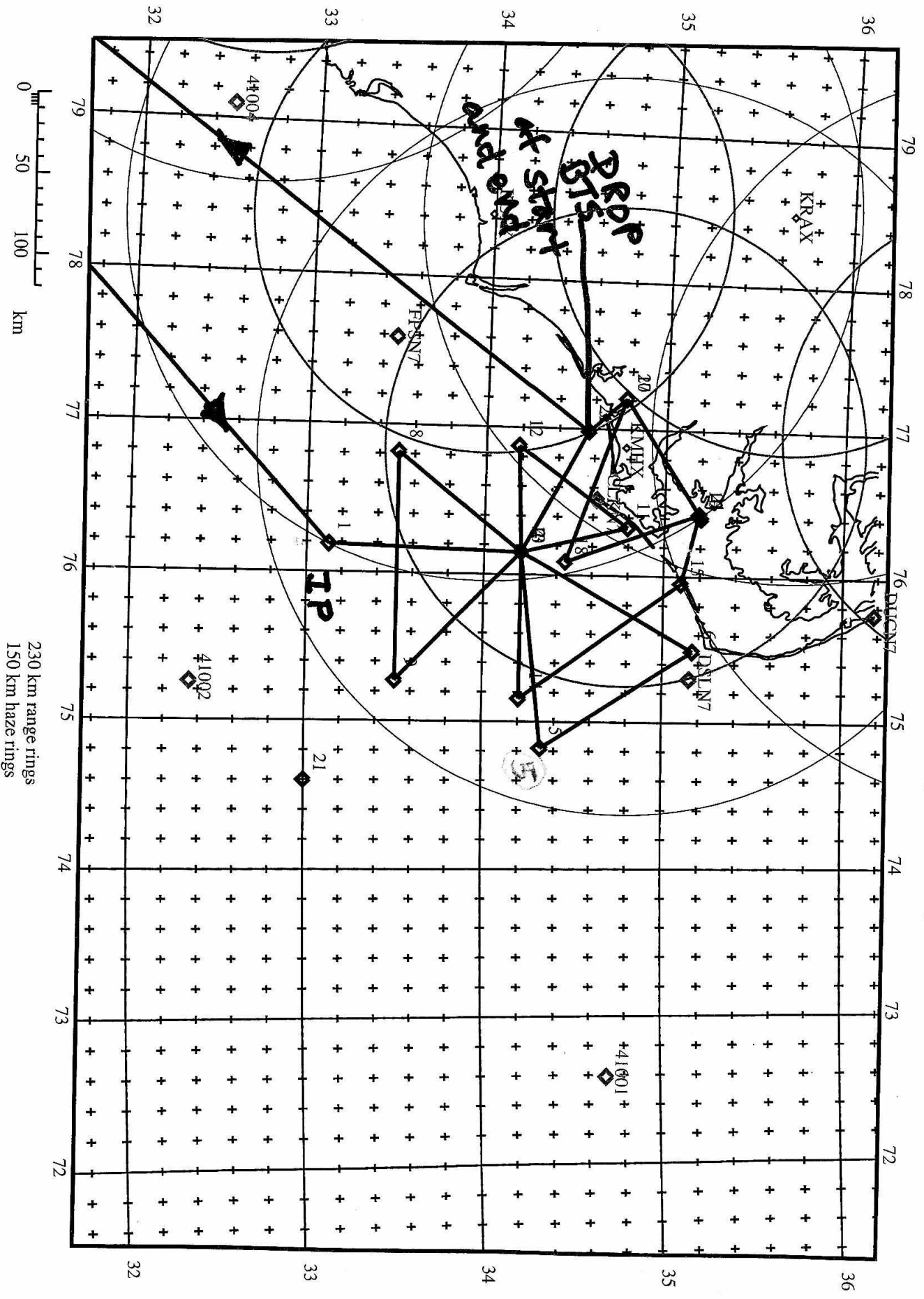
DUCN7

36.18, 75.75°

FPN7: 33.49, 77.59

Center Lat: 34.00 Lon: -75.50

NOTE First part of flight at 7,000'
Then climb to 10,000' for overland



N42RF AVAPS DropSonde Log

N42RF Project:

15ABE2

Flight ID:

030918H

Mission:

~~030918H~~

Flight #:

System Status:

Drop #	Sonde Serial Number	Time (Z)	Chn #	Press. offset	Winds time	Operator Init.	Comments Drop Status	BAD ☒	GOOD ☒
1	024125007	1419	1		25	MER			✓
2	024125010	1422	2		27				✓
3	023555110	1423	3		28				✓
4	023555108	1439	1		—		NO WINDS	✓	✓
5	024125005	1440	2		33				✓
6	023555011	1443	3		20		BT		✓
7	023555016	1446	4		20				✓
8	023555104	1504	1		17				✓
9	023555012	1504	2		29				✓
10	023555120	1506	3		19				✓
11	023555105	1518	1		28				✓
12	023555017	1531	2		50				✓
13	023555013	1548	1		10				✓
	023555112	1550	2		—				✓
	023555119	1603	1		20				✓
16	024125207	1619	3		24				✓
17	024125212	1620	4		31				✓
18	023555103	1628	1		21				✓
19	024125182	1637	2		19				✓
20	024125204	1649	1		33				✓
21	024125011	1706	1		—				✓
22	024125181	1707	2		—				✓
23	024125206	1725	1		—				✓
24	024125287	1729	2		—				✓
25	023555107	1734	3		18		BT		✓
26	023555111	1739	4		25				✓
27	023555100	1835	1		—				✓
28	024125179	1850	1		18				✓
29	024125185	1911	1		—		NO WINDS	—	✓
30	024125209	1927	1						✓
31	024125227	1937	2				NO WINDS		✓

