

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

ACGW

Flt ID: 031205 N	From: CYT	To: CYT
Flt No: 04-020	Blk In: 2208 Z	ATA: 2203
ETD: 1500 Z	Blk Out: 1453 Z	ATD: 1457
ETE: 7+15	Blk Time: 7.3	Flt Time: 7.1
Sponsor Org: AOR	Program: AREC	Purpose: FLT #5

AOC Personnel

AC: McLean, B	Sys Eng: Hill, J
CP: Finn / Yates, G	Data Sys: Hornbroke, C
Nav:	Radar: Brogan, D
FE: Rottveel, K	GPS/BT:
FD: FLATHEAD	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
SHAPIRO, M	PI	AOR
FRIEZE, B	PRESS	NTV / CPN

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

DATA LOCK UP AT TAKEOFF
 DEL FLATLINED ~-64
 24 OBS

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AOCWF2

ID: 031205N Time Off: 1457z Time On: 2203z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1001.6	30.03	1003.9	30.15

	Number	Data Disposition / Date / Quality
it Lvl Tapes		
adar Tapes		
loud Physics Tapes		
ideo Tapes		
XBT		
XCP		
XCTD		
ropsondes	28	24 Good

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

Remarks

G-IV Error Summary

Flight # 031205n

(TReC Flight #5)

Block out:	1453z	
Take-off:	1457z	Block Time: 7.3
Landing:	2203z	Flight Time: 7.1
Block in:	2208z	

Total number of drops: 28
Total number of observations: 24

Flight Summary:

TReC Flight #5 was a mission to investigate a system organizing off the east coast of the US. The flight path took the aircraft to an area just off the North Carolina coast.

There was a data lockup at take-off. Data began recording again at 1524z.

	Corrected Aircraft Altimeter	Station Altimeter
Take-off	1017.7	1016.9
Landing	1020.0	1021.0

Paul T. Flaherty
Flight Director
(813) 828-3310 x3094

N49RF AVAPS DropSonde Log

N49RF Project: T05T

Flight ID 031205N

Mission: STJAHN-STJAH Flight #: RF05

Launcher S/N: 02

Status: Sys 1 OK

Sys 2 OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
1	024415106	1	1533	0	33	JH		✓
2	024125228	1	1555	0	24	JH		✓
3	024415035	2	1613	0.4	31	JH		✓
4	024415108	1	1632	0	28	JH		✓
5	024125159	2	1650	0	52	JH		✓
6	033845005	1	1709	0	16		Rev.D,	✓
7	024415185	1	1729	0	15			✓
8	024125024	2	1746	0	20			✓
9	024125186	1	1800	0	—		No Winds	—
9	024125231	2	1802	0	31			✓
10	024125236	3	1813	0.4	13			✓
11	024125022	1	1827	0	21			✓
12	024125180	2	1840	0	20		Sketchy winds	—
12	024125158	3	1843	0	20			✓
13	024125233	4	1848	0	22			✓
14	024125187	1	1857	0	43			✓
15	024125229	2	1907	0	—		No winds	—
15	024125235	3	1908	0	—		No Winds	—
16	024125234	4	1917	0	13			✓
17	012225056	1	1927	0	22		Terminated early for reset of RS; recorded on LS	✓
18	024125027	6	1939	0	33		Had to reset RS; Recorded on LS	✓
19	024125021	1	1948	0	44			✓
20	024125235	2	1958	0.4	48			✓
21	024125157	1	2010	0.4	45			✓
22	024125023	2	2024	0	25			✓
23	021925325	1	2039	0.4	26			✓
24	024415104	2	2050	0	30			
25	022625007	1	2102	0	30	JH		
29								
30								
31								
32								
33								

N49RF AOC Flight Director's GPS Dropwindsonde Log

FLIGHT ID _____ FLIGHT DIRECTOR _____ Page ____ of ____

MISSION ID _____ STORM/Track ID _____ Total # of dropsondes _____

[illegible]

N49RF AOC Flight Director's GPS Dropwindsonde Log

FLIGHT ID 031205N

FLIGHT DIRECTOR

FLIGHTY

Page 1 of 2

Total # of dropsondes

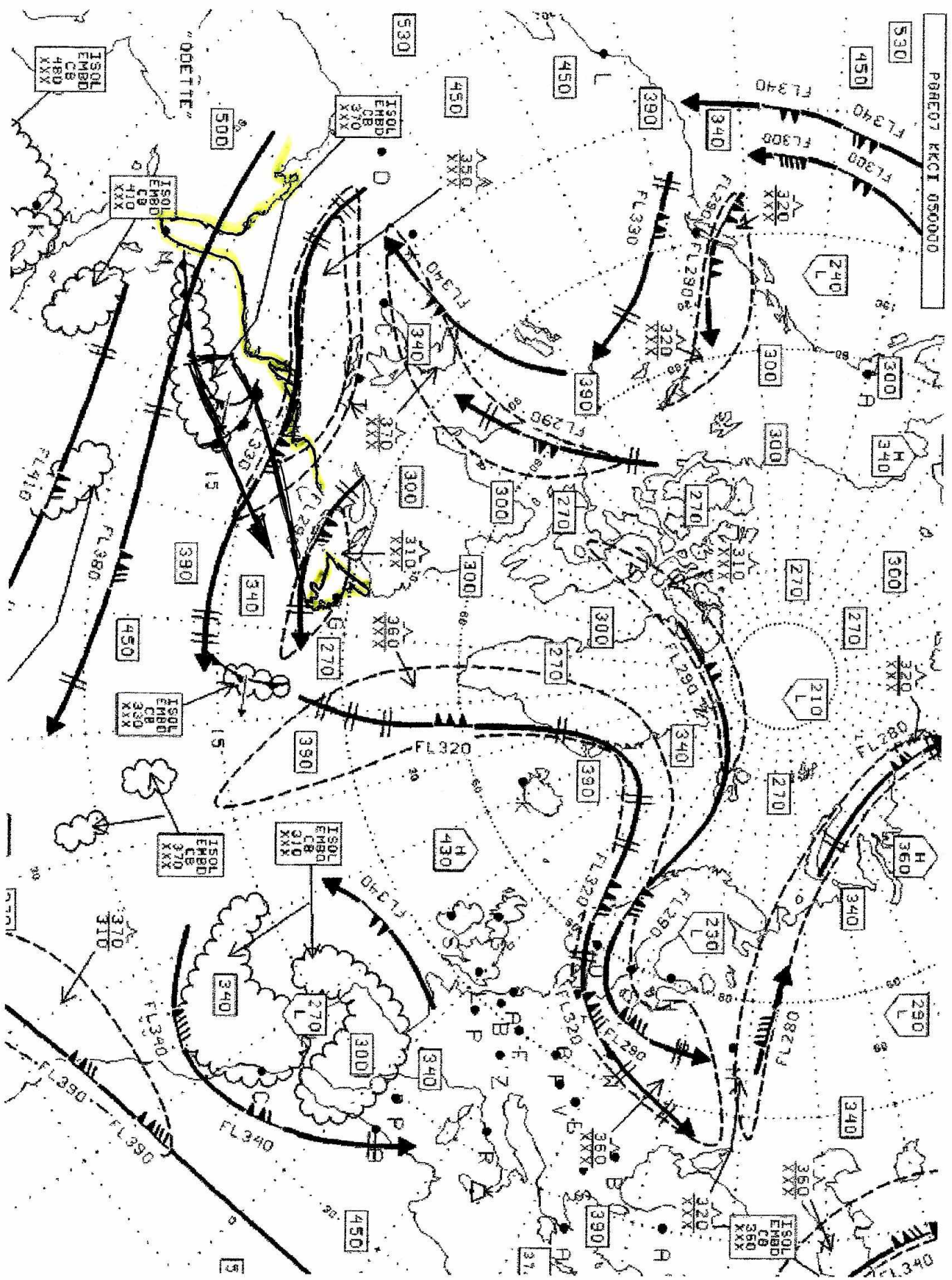
#5

STORM/Track ID

MISSION ID ATASC

#	Sonde ID	Time (Z)	Lat (N/S)	Lon (W/E)	Weather Conditions	Winds	Surface Press.	Ob #	WMO KWBC #	Send Time	Sat Com Fails
1	024115106	153334	44	S310	SCT CU	33	1024.7	1	160119	1559	5
2	024125228	155530	4250	S548	BKN CU	24	1023.3	2	163435	1632	0
3	02415035	161336	4222	S816	BKN CU	31	1024.8	3	163429	1632	0
4	0241515108	163255	4191	S052	SCT CU	28	1025.0	4	171434	1712	0
5	024125149	165039	4050	S260	SCT CU	52	1025.2	5	171419	1712	0
6	033845005	170917	3957	S509	OVC CI	16	1025.4	6	173053	1748	0
7	024145185	172931	3910	S732	OVC CI	15	1023.2	7	173042	1748	0
8	024125024	174604	3821	S617	OVC CI	20	1018.9	8	182229	1825	0
9	024125106	180017	3731	S047	OVC CI	—	—	—	182219	1825	0
10	024125231	180158	3725	S057	OVC CU	31	1012.8	9	182219	1825	0
11	024125236	181353	3642	S212	SCT AC SCT CU	13	1004.7	10	183446	1833	0
12	024125022	182741	3552	S337	BKN CU	21	1002.9	11	191848	1916	0
13	024125180	184022	3458	S455	OVC CU	44	—	—	—	—	0
14	024125158	184328	3437	S444	OVC CU	20	1010.1	12	191827	1916	0
15	024125233	184816	3405	S422	OVC CU	28	1010.8	13	191818	1916	0
16	024125182	185744	3303	S341	BKN CU	43	1011.0	14	191813	1916	0
17	024125229	190712	3205	S256	BKN CU	—	—	—	191823	—	0
18	024125232	190832	3210	S243	BKN CU	—	—	—	—	—	0
19	024125234	191702	2254	S137	BKN CU	13	1011.5	15	195312	1951	0
20	024125056	192739	3351	S017	SCT CI SCT AC BKN CU	22	1012.7	16	195305	1951	0
21	024125027	193905	3437	S034	BKN CU	33	1015.0	17	202021	2018	0
22	024125021	194818	3520	S716	OVC CU	44	1017.2	18	202013	2018	0
23	024125235	195843	3607	S546	BKN CU	48	1018.9	19	202005	2018	0
24	024125157	201033	3702	S640	OVC CU	45	1022.7	20	205058	2048	0
25	024125021	202450	3831	S236	OVC CU	25	1024.0	21	205051	2048	0

6V3R



Drop points for flight 031204N

1 44 / 53 10
2 42 50 / 55 48
3 42 21 / 58 15
4 41 42 / 60 50
5 40 52 / 63
6 40 / 65 10
7 39 15 / 67 30
8 38 20 / 69 15
9 37 30 / 70 45
10 36 48 / 72 15
11 35 55 / 73 40
12 35 / 75
13 34 10 / 74 15
14 33 05 / 73 40
15 32 / 73
16 32 50 / 71 35
17 33 45 / 70 12
18 34 38 / 68 35
19 35 25 / 67 20
20 36 10 / 65 50
21 37 / 64
22 38 30 / 62 35
23 40 08 / 61 08
24 41 18 / 59 50
25 42 30 / 58 30

DROPS

1 44 / 53 10
2 42 50 / 55 48
3 42 21 / 58 15
4 41 42 / 60 50
5 41 52 / 63
6 40 / 65 10
7 39 15 / 67 30
8 38 20 / 69 15
9 37 30 / 70 45
10 36 40 / 72 15
11 35 55 / 73 40
12 35 / 75
13 34 10 / 74 15
14 33 05 / 73 40
15 32 / 73
16 32 50 / 71 35
17 33 45 / 70 12
18 34 38 / 68 35

19 35 25 / 67 20
20 36 10 / 65 50
21 37 / 64
22 38 30 / 62 35
23 40 08 / 61 08
24 41 18 / 59 50
25 42 30 / 58 30

BART FRAIZE
NTV/CNN