

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

AOCW

Flt ID: 031206 N	From: CYT	To: CYT
Flt No: 04-021	Blk In: 2215Z	ATA: 2211Z
ETD: 1500Z	Blk Out: 1452Z	ATD: 1457Z
ETE: 7+00	Blk Time: 7+23 <u>7.4</u>	Flt Time: 7+14 <u>7.2</u>
Sponsor Org: OAR	Program: ATREC	Purpose: FLT #6

AOC Personnel

AC: McCann, B	Sys Eng: HILL, J
CP: FINN, M / YATES, G	Data Sys: BROGAN, D
Nav:	Radar: HORN BROOK, C
FE: ROTTUSSE, K	GPS/BT:
FD: FLAHERTY, P	Cld Phys:
Avionics:	P.M. MAXSON, B

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
SHAPIRO, M	P.I.	OAR

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

FIRST DROP DELAYED BY ATCT
Drops 7-10 (4) changed to 6 drops between 6 + 11 BY P.I.
2006 - DIVERTED FOR WX

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AOCWF-2

ID: 031206N	Time Off: 1457 Z	Time On: 2211		
Pressure	A/C (Take Off) 1013.1	Wx Station (Take Off) 30.38	A/C (Land) 1015.0	Wx Station (Land) 30.48

	Number	Data Disposition / Date / Quality
Alt Lvl Tapes		
adar Tapes		
loud Physics Tapes		
ideo Tapes		
XBT		
XCP		
XCTD		
ropsondes	27	All Good

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

Remarks 27 DROPSONDES

G-IV Error Summary

Flight # 031206n

(TReC Flight #6)

Block out:	1452z	
Take-off:	1457z	Block Time: 7.4
Landing:	2211z	Flight Time: 7.2
Block in:	2215z	

Total number of drops: 27

Total number of observations: 27

Flight Summary:

TReC Flight #6 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 Virginia/North Carolina coast. After heading Eastward, the aircraft had to divert due to a squall line with strong convection and turbulence (at approximately 2006z) before heading back to CYYT. Mainly light turbulence was recorded from 1955-2130z.

The first planned drop was delayed by ATC. Otherwise, the dropsondes performed very well, having 27 obs for 27 drops.

	Corrected Aircraft Altimeter	Station Altimeter
Take-off	1029.4	1028.8
Landing	1031.3	1031.5

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

N49RF AOC Flight Director's GPS Dropwindsonde Log

FLIGHT ID 031206N FLIGHT DIRECTOR FLAHERTY Page 1 of 2
 MISSION ID ATREC STORM/Track ID FLT #6 Total # of dropsondes 27

#	Sonde ID	Time (Z)	Lat N/S	Lon W/E	Weather Conditions	Winds	Surface Press.	Ob #	WMO KWBC #	Send Time	Sat Com Fails
1	025045241	153152	4406	5313	OVC CI	14	1027.9	1	160813	1608	φ
2	025045236	154451	5527 ^{LOW} ₅	4355 ^{LAT}	OVC CI	15	1026.3	2	160759	1608	φ
3	025045242	160857	4330	5741	OVC CU	15	1024.8	3	165558	1654	φ
4	022625075	162855	43	60	OVC CU	21	1020.5	4	165552	1654	φ
5	025045094	164916	4223	6221	OVC CI	14	1016.9	5	173037	1730	φ
6	025045237	170808	4147	6428	OVC CI	16	1013.3	6	173032	1730	φ
7	024415425	172629	4111	6227	OVC CI	22	1007.9	7	180906	1806	φ
8	025045235	174354	4028	6812	OVC CI	18	1002.1	8	180859	1806	φ
9	024415329	175858	3946	6942	BKN AS OVC CU	20	1000.1	9	191404	1911	φ
10	025045240	181313	3904	7106	SCT CU	55	998.8	10	191355	1911	φ
11	024415330	182621	3823	7228	BKN CU	29	994.8	11	191347	1911	φ
12	024415322	183925	3741	7346	OVC CU	54	1005.0	12	191341	1911	φ
13	024415026	185143	37	75	OVC CU	53	1008.9	13	192520	1923	φ
14	024415022	190335	37	7316	OVC CU	33	1005.4	14	192514	1923	φ
15	024415021	191447	37	7118	OVC CU	25	1003.2	15	195129	1949	φ
16	024415023	192606	37	6920	OVC CI	37	1000.8	16	195120	1949	φ
17	024415044	193650	37	6724	OVC CI	22	1002.4	17	202951	2027	φ
18	024415016	194722	37	6530	OVC CI	29	1003.0	18	202944	2027	φ
19	025045253	195825	37	6328	OVC CI	49	1005.3	19	202938	2027	φ
20	024415087	200704	3648	6156	OVC CI	37	1006.0	20	205658	2055	φ
21	025045094	201901	3701	6000	OVC CI	33	1010.5	21	205851	2055	φ
22	024415020	203147	3823	5926	OVC CI	26	1010.1	22	205845	2055	φ
23	024415025	204654	3944	5737	OVC CI	30	1011.6	23	213013	2128	
24	025045101	205714	4044	5629	OVC CI	22	1011.0	24	213007	2128	
25	024415017	210734	4146	5526	DARK	48	1015.0	25	213001	2128	

OVER ↓

N49RF AOC Flight Director's GPS Dropwindsonde Log

FLIGHT DIRECTOR

FLIGHT ID

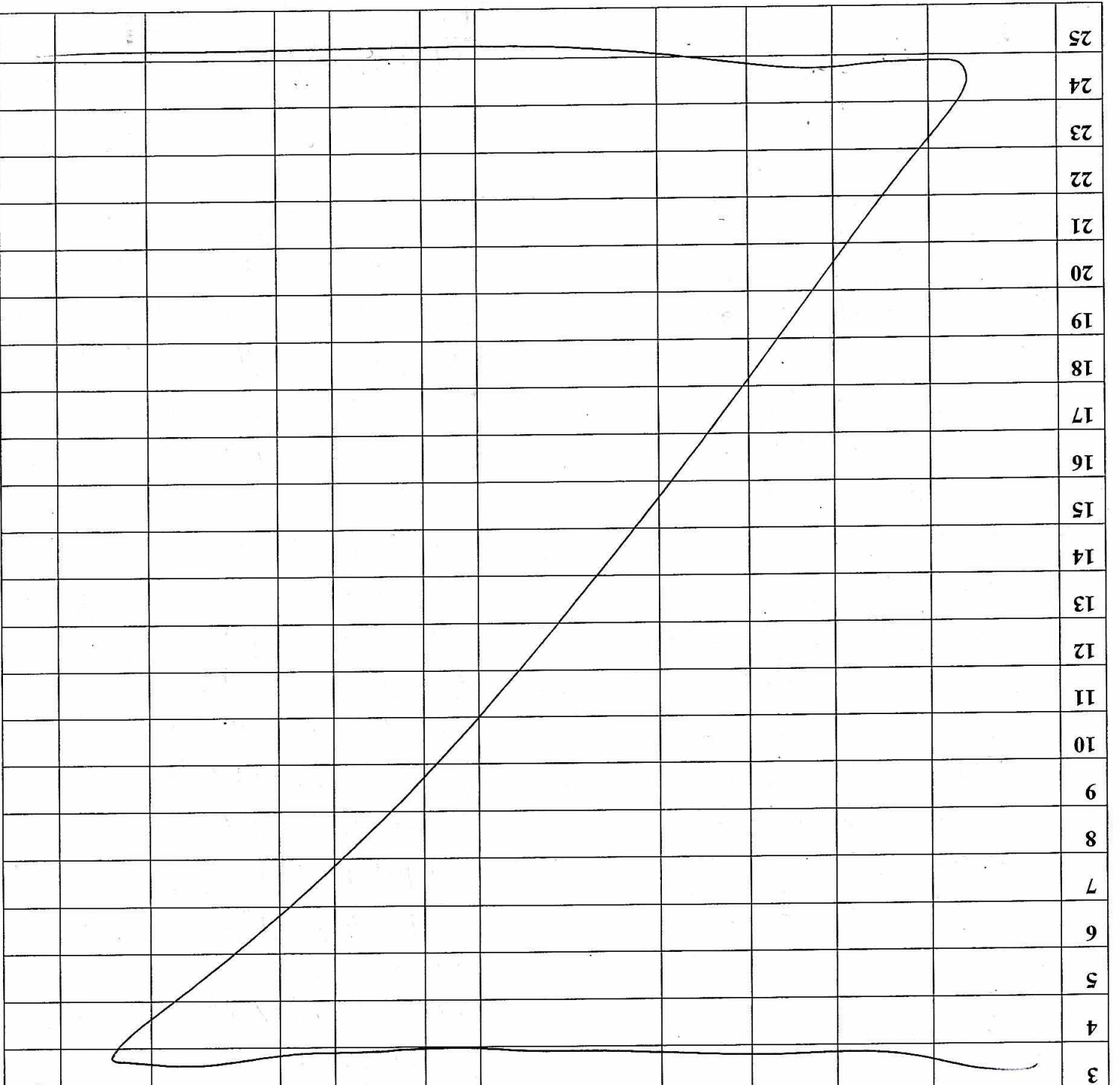
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STORM/Track ID

MISSION ID

#	Sonde ID	Time (Z)	Lat (N/S)	Lon (W/E)	Weather Conditions	Winds	Surface Press.	Ob #	WMO #	Send Time	Sat Com Falls
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26	024415312	211827	42.51	54.15	DRK	27	1021.7	26	214534	2144	φ
27	024415041	212247	43.17	53.47	DRK	23	1023.7	27	214457	2144	φ



N49RF AVAPS DropSonde Log

N49RF Project: T05Y

Flight ID 031206N

Mission: STJ00N-STJ044 Flight #: RF06 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	025045241	1	1531	0	14	DL		☒
2	025045236	1	1549	0	15	DL		☒
3	025045242	1	1608	0	15	DL		☒
4	022625075	1	1628	1.1	21	DL		☒
5	025045094	1	1649	0	14	DL		☒
6	025045237	1	1708	0	16	DL		☒
7	025415425	1	1726	0	22	DL		☒
8	025045235	1	1743	0	18	DL		☒
9	024415329	2	1758	0	20	DL		☒
10	025045240	1	1813	-0.5	55	DL		☒
11	024415330	2	1826	0	29	DL		☒
12	024415322	1	1839	0	54	DL		☒
13	024415086	2	1851	0	53	DL		☒
14	024415022	1	1903	0.5	33	DL		☒
15	024415021	2	1914	0.5	25	DL		☒
16	024415023	1	1926	0.7	37	DL		☒
17	024415044	2	1936	0.5	19	DL		☒
18	024415016	1	1947	0	29	DL		☒
19	025045253	2	1958	0	49	DL		☒
20	024415087	1	2007	0	37	DL		☒
21	025045099	2	2019	0	33	DL		☒
22	024415020	1	2031	0.5	26	DL		☒
23	024415085	2	2047	0	30	DL		☒
24	025045101	1	2057	0.5	22	DL		☒
25	024415017	2	2107	0.5	46	DL		☒
26	024415312	1	2118	0	27	DL		☒
27	024415041	3	2122	0.4	23	DL		☒
28								
29								
30								
31								
32								
33								

1 4405 / 53

2 4352 / 55 25

3 4328 / 57 40

4 43 / 60

5 4225 / 62 20

6 4147 / 64 28 -

7 41 / 67

8 4010 / 69

9 3915 / 70 58

10 3818 / 72 45

11 37 / 75

12 37 / 73 20

13 37 / 71 20

14 37 / 69 20

15 37 / 67 25

16 37 / 65 30

17 37 / 63 35

18 37 / 61 48

19 37 / 60

20 38 20 / 58 45

21 39 40 / 57 35

22 40 40 / 56 25

031206N

23 41 45 / 55 25

24 42 50 / 54 15

25 ~~44~~ / 53

CR LAT

AOCTR

ATX

WD

GSF

WPG AUT

PALTF

PIDIF

SLIP

PSIM

CLLOW

THDG

DPX

WS

THSX

PALT

THETA

NAL

ATACIC

QCIM

127

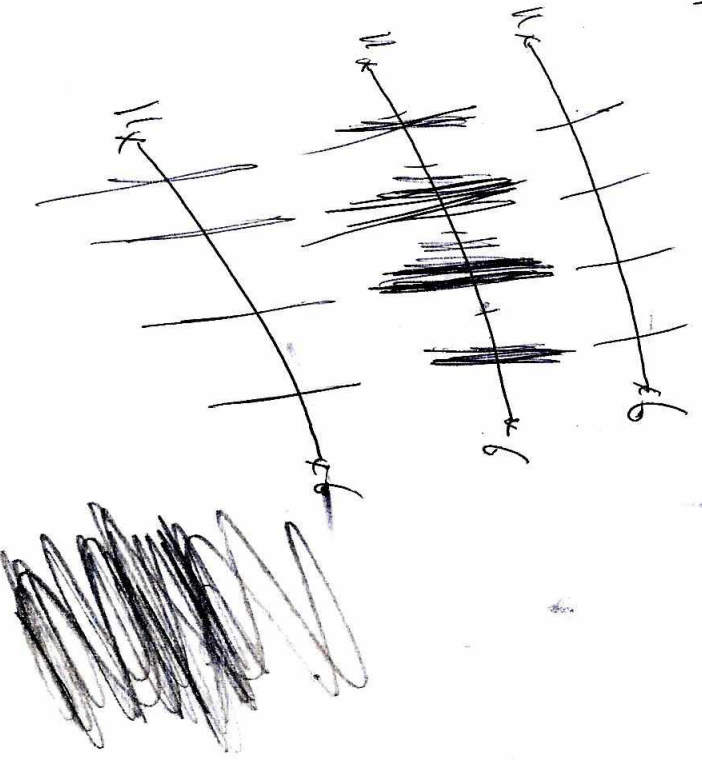
7 07

22

41/67

74106	066	41.5
84025	068	18
93944	069	45.4
103903	071	09
533622	072	29
543741	073	46

1132w



10 17
 27 15
 42 15
 57
 11:11:11
 11:25:11
 1:38:54
 13

Not point,
 DEGRADATION

