

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

AOCWE

Flt ID: 030913N	From: KMCF	To: TISX
Flt No.: 03082	Blk In: 0127Z	ATA: 0122
ETD: 1730Z	Blk Out: 1719Z	ATD: 1731
ETE: 8.5	Blk Time: 8:08(8.1)	Flt Time: 7:51(7.8)
Sponsor Org: Nite	Program: Surveillance	Purpose: H-Isabel

AOC Personnel

AC: Finkel ✓	Sys Eng: Hornbrook ✓
CP: Boston / Finn ✓	Data Sys: Brogan
Nav:	Radar:
FE: Kitson	GPS/BT: Carpenter
Avionics:	Cld Phys:
FD: Parrish ✓	

Participating Scientists/Visitors/AOC

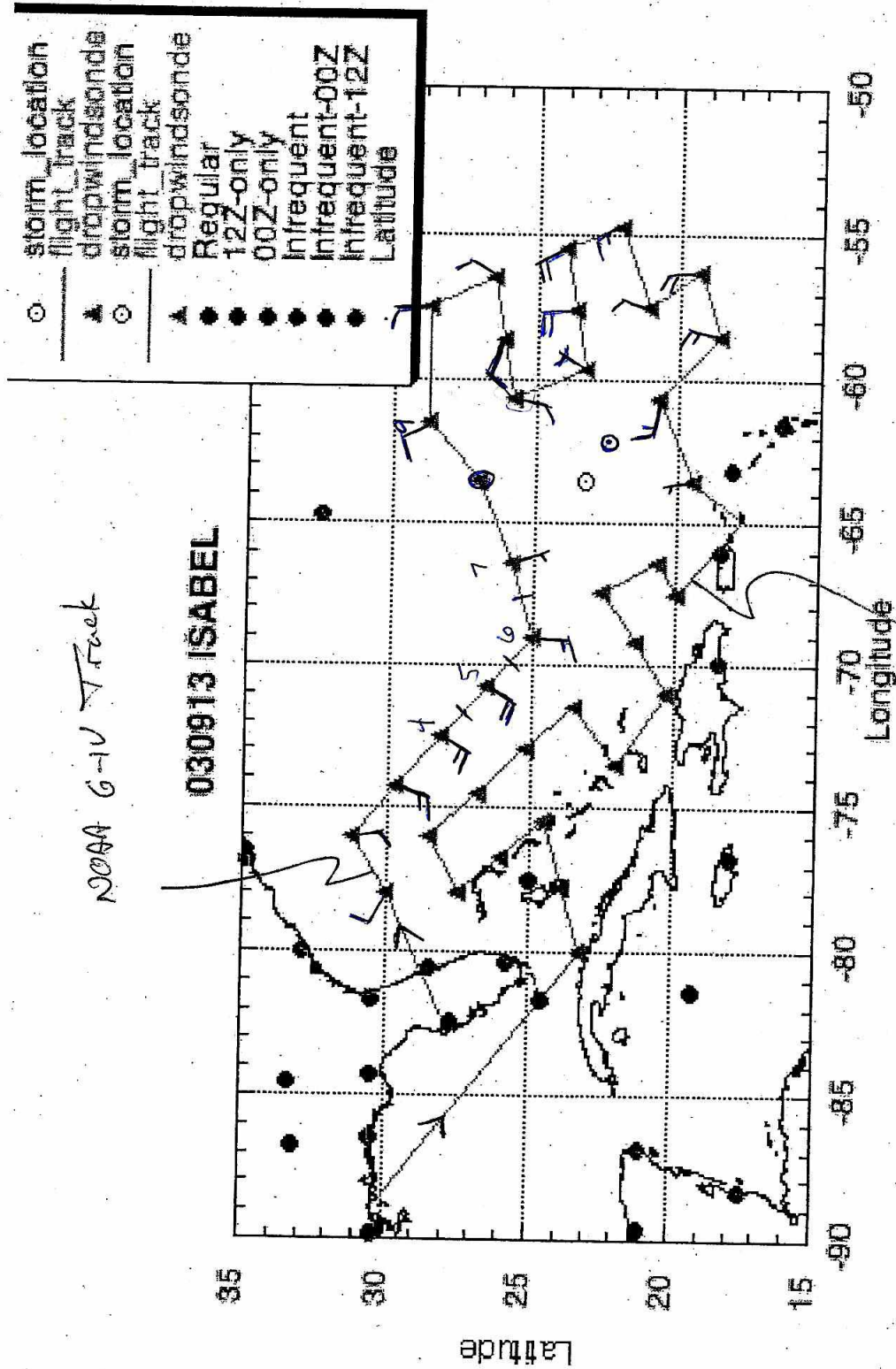
Name (Last, First)	Activity on Aircraft	Affiliation
Dunton, J. ✓	NAPS	NAD
Michelson, C. ✓	Media	Chid, CBS
Wallace, M. ✓	Media	✓

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

MN 0513A NOAA 0513A ISABEL
 1555Z
 150/7
 30/24
 30.03
 -89
 30.2/22.6
 1015-1
 30/3.3

1945 - Satcomm (NOAA SAT) struggling. Also Chris says
 the launcher is sticking - warm up the plane.

17x422
17x422
17x422



18 53
22 5
62 3
932
158 kts
1956Z
22 36.2
62 25.5
160 kts

Air Force Reserve WC-130J Track

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: ISABEL/SYNOPTIC

NOAA/Hurricane Research Division Friday, September 12, 2003 9:51:21 AM

Aircraft: N49RF

Proposed takeoff: 13/1730Z

TRACK DISTANCES
NOAA G-IV Turn Points

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	MACDILL			0.	0.	0:00
1	30 00	78 00		285.	285.	0:38
2	31 15	76 00		134.	419.	0:57
3	25 00	69 00		544.	963.	2:11
4	25 45	66 22	225/315	157.	1120.	2:32
5	26 57	63 30	225/ 0	178.	1298.	2:56
6	28 45	61 30		156.	1454.	3:18
7	28 45	57 30		225.	1679.	3:48
8	26 30	56 30		146.	1825.	4:08
9	25 45	60 38	225/45	239.	2064.	4:41
10	23 12	59 35	225/90	165.	2229.	5:03
11	24 00	55 30		240.	2468.	5:36
12	22 00	54 45		128.	2596.	5:54
13	21 00	57 30		170.	2766.	6:17
14	19 15	56 15		128.	2894.	6:34
15	18 30	58 30		139.	3033.	6:53
16	20 39	60 38	225/135	179.	3212.	7:17
17	19 27	63 30	225/180	181.	3393.	7:42
18	ST CROIX			130.	3523.	8:00

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: ISABEL/SYNOPTIC

NOAA/Hurricane Research Division Friday, September 12, 2003 9:51:21 AM

Aircraft: N49RF

Proposed takeoff: 13/1730Z

DROP LOCATIONS

NOAA G-IV Instrument Drop Locations

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	30 00	78 00		0:38
2	31 15	76 00		0:57
3	29 41	74 15		1:15
<i>S1</i> — 4	28 07	72 30	<i>2720.5N 7137.5W</i>	1:34
<i>S2</i> — 5	26 33	70 45	<i>2547N 6952.5W</i>	1:52
<i>S3</i> — 6	25 00	69 00	<i>2522.9N 67 41W</i>	2:11
7	25 45	66 22		2:32
8	26 57	63 30		2:56
9	28 45	61 30		3:18
10	28 45	57 30		3:48
11	26 30	56 30		4:08
12	26 07	58 33		4:25
13	25 45	60 37		4:41
14	23 12	59 35		5:03
15	23 35	57 32		5:20
16	24 00	55 30		5:36
17	22 00	54 45		5:54
18	21 00	57 30		6:17
19	19 15	56 15		6:34
20	18 30	58 30		6:53
21	20 38	60 38		7:17
22	19 26	63 30		7:42

2120 - Ray / called, want
we go ahead 43 123.05
3:39
01:25

220 350
61 340

123.05

43
2120
1746
64 43

42
42
2053
22 48
62 34
(49)
42
42
2138

030913N H. ISABEL SURVEILLANCE

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

Form 413-50

Time	Lat	Lon	TR	WD	WS	GA	PA	TA	TD	PS	Drop		
1721	27 51.0	82 29.8					-28	33	21	1005.9			Black Out
173230	27 53	82 25	76	115	5	582	541	24.9	19.0	939		↑	
1752	28 30	80 40	57	308	20	10682	10114	-41.5	-46.1	254		↑	
1800	29 01	79 45	57	316	21.5	12699	12158	-56.2	-61.8	184		↑	
181426	30 00	77 58	55	298	10	13014	12490	-53	-59	175.5	1	↓	
183118	31 10	75 57	~	164	9.2	13020	12485	-50.8	-58.3	175.6	2	↓	
184852	29 40	74 15	135	191	16.7	13050	12484	-53.7	-59.9	175.9	3		
190725	28 06	72 29	134	202	17	13100	12497	57.9	-62.5	176	4		
191637	27 20	71 36	135	195	14	13120	12501	-57.0	-62.1	176	4A		
192600	26 32	70 44	134	209	18.8	13139	12507	-55.2	-62.1	176.4	5		
193519	25 46	69 51	134	192	27	13155	12510	-54.3	-61.2	176.3	5A		
194604	25 02	68 54	~	190	16.4	13162	12511	-54.1	-61	176.2	6		
195422	25 23	67 39	72	208	11	13164	12511	-55	-61	176.3	6A		
200407	25 45	66 21	66	168	3.2	13360	12700	-58	-61.7	168	7		
202703	26 57	63 30	51	320	1.0	13774	13072	-59.7	-63.9	159.6	8		
204737	28 43	61 27	~	333	7.8	13770	13070	-59.6	-63.8	159.8	9		
210415	28 45	59 06	90	359	11.5	13771	13073	-60.3	-64.3	159.8			
211610	28 40	57 29	~	353	10.5	13764	13068	-60.6	-64.6	159.8	10		
213415	26 31	56 36	~	21	9.7	13752	13066	-60.6	-64.7	159.7	11		
214920	26 06	58 34	259	289	9.6	14058	13358	-61.0	-64.0	152	12		
220516	25 40	60 33	~	198	9.6	14076	13356	-62.3	-65.4	152	13		
222710	23 15	59 31	~	38	5.1	14071	13360	-62.6	-65.4	152	14		
224235	23 35	57 30	78	355	18	14068	13360	-62.4	-63.2	152.2	15		
225752	23 55	55 30	~	328	19	14052	13357	-61.4	-66.6	152.2	16		004417
231324	22 00	54 51	~	326	15	14046	13358	-61.5	-67.7	152.4	17		004820
233532	20 54	57 24	~	25	11	14358	13643	-62.6	-69.3	145.1	18	005503	LATE WINDS
235058	19 14	56 23	~	358	20	14340	13640	-63.9	-70.1	145.4	19	010559	LATE WINDS
000848	18 35	58 34	~	4	17	14348	13646	-65.3	-69.3	145.3	20	010613	
003332	20 35	60 44	~	284	14	14360	13647	-65.4	-66.1	145.2	21	011143	
005745	19 25	63 31	223	753	4.7	14352	13650	-65.4	-64.5	145.45	22	012259, 012324	
												012658	
0127	17 41.99	64 47.93					9.96	27.9	24	1011.4			Block IN

N49RF AVAPS DropSonde Log

N49RF Project: HU 03

Flight ID 030913n

Mission: Isabel

Flight #: 1

System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	OOD ☒
1	011 245 436	1	1814	-0.7	31	DWC	Weak telemetry	✓
2	021 925 149	2	1831	0	24		OK	✓
3	022 625 135	1	1848	-0.8	13			✓
4	023 125 103	1	1907	0	26			✓
(4A) 5	023 555 079	2	1916	0	55			✓
6	024 125 104	1	1926	0	28			✓
(5A) 7	023 555 051	2	1935	0	19			✓
8	024 125 072	1	1945	0	25			✓
(6A) 9	023 555 078	2	1954	0	56			✓
10	023 535 419	1	2004	0	33			✓
11	023 535 401	1	2027	0	40			✓
12	024 125 108	1	2047	0	25			✓
13	023 535 230	1	2116	0	14			✓
14	024 125 107	1	2134	0	29			✓
15	024 125 069	2	2149	0	12			✓
16	023 555 072	1	2205	0	20			✓
17	023 555 075	1	2227	0	20			✓
18	023 535 222	2	2242	0	19			✓
19	023 555 081	1	2257	0	24			✓
20	022 625 141	2	2313	-0.9	48			✓
21	022 625 177	1	2335	-0.7	76		↓ Late winds	✓
22	023 535 232	2	2350	0	95		Late winds	✓
23	023 535 236	1	0008	0	45		OK	✓
24	022 625 140	1	0033	-1.1	23		↓	✓
25	023 555 056	1	0057	0	18	✓	↓	✓
26								
27								
28								
29								
30								
31								
32								
33								

MARK CELL

813-785-4242