

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

AOCWE-1

Flt ID: 030914N	From: TISX	To: TISX
Flt No.: 03-083	Blk In: 0117	ATA: 0111
ETD: 1730	Blk Out: 1716	ATD: 1724
ETE: 8	Blk Time: 8:01 (8.0)	Flt Time: 7:47 (7.8)
Sponsor Org: NHC	Program: Surveillance	Purpose: H. Ischel TISX-TISX

AOC Personnel

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

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Dunlap, J. ✓	HAPS	HAD
Michaelson, C. ✓	Media	CH. 10, CBS
Wallace, M. ✓	↓	↓

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

MD CORAG 0913A ISABEL

1653Z

LAD

190/11

119/5.7

32/25

1011.5

29.93

25.2/

30.7/25.3

1010.4

1907.7

6.

030914N H. ISABEL Surveillance

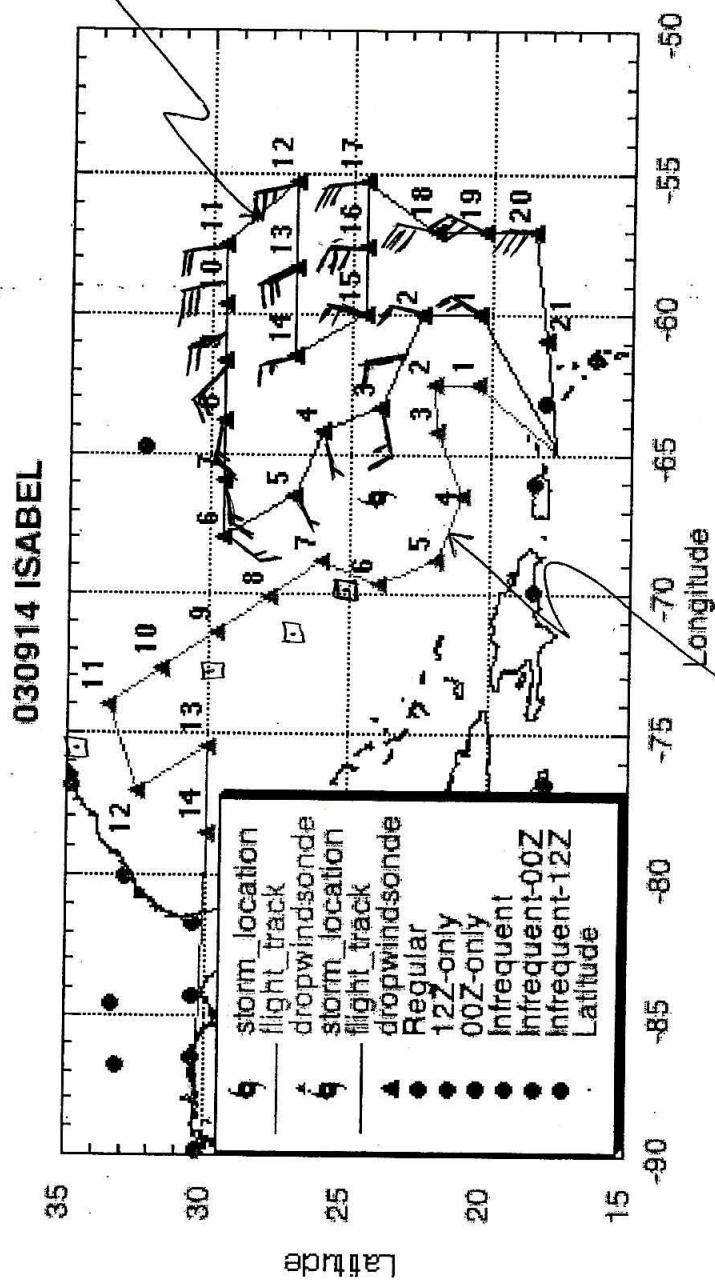
135/17.4
33.7

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

Form 413-50

Time	LAT	LONG	TK	WD	WS	GA	PA	TA	TD	PS	Drop		
171945	17 42	14 47					7.1	32	25	1011.7			N/K
174115	18 34	63 32	70	189	1.7	8514	8078	-24	-28	347.8			
175215	19 38	63 09	~	25	5.6	12238	11635	-48.8	-52.8	200.0		↑	
181940	20 38	60 00	~	22	2.0	13128	12478	-56.6	-63.6	175.9	1		
183640	22 33	60 09	~	14	12	19133	12480	-56.8	-61.8	176.1	2		
185130	23 20	61 52	296	342	7.6	13145	12486	-56.3	-57.5	176.2	—		
190424	24 01	63 21	~	259	15	13141	12481	-56.0	-56.2	176.1	3		
192155	26 02	64 15	~	262	4.9						4		
194029	27 02	66 31	320	246	3.6	13464	12771	-56.9	-60.5	167.7	5		NO WINDS
194210	27 15	66 39	332	246	4.7	13464	12774	-57.1	-58.8	167.7	5A	012	GA's, DIED AT 870 mb
200359	29 30	67 42	90	222	17	13459	12779	-57.2	-61.3	167.7	6		
201610	29 29	65 54	89	204	14	13456	12774	-55.2	-61.8	167.8	7		
203014	29 30	63 45	89.5	282	16	13764	13065	-58.0	-62.9	159.8	8		
204417	29 30	61 42	89.9	316	18.6	13746	13059	-59.8	-63.8	159.8	9		Died early, at ~400 mb
205329	29 30	60 19	90	330	21.6						9A		
210147	29 30	59 06	90	335	27.8	13732	13066	-59.4	-63.9	159.8	10		Dropped E of PT. ID for yanking
211306	29 26	57 27	~	342	22	13713	13066	-59.4	-63.6	159.8	11		
213654	26 59	55 33	~	340	25	13688	13062	-61.8	-65.2	159.97	12		
215853	27 00	58 21	270	332	26.5	14012	13352	-61.9	-64.9	152.2	13		
222329	26 47	61 21	~	353	15	14049	13358	-60.9	-64.8	152.3	14		
224440	24 30	59 49	90	12	22	14031	13347	-62.1	-65.4	152.5	15		
230133	24 29	57 36	89	2	31	14808	13634	-63.7	-66.3	145.1	16		
231954	24 17	55 24	214	748	28	14278	13629	-63.2	-66.0	145.2	17		
234023	21 57	56 59	~	7	29	14307	13635	-63.7	-66.3	145.1	18		
235257	20 15	56 59.7	180	15	31	14295	13633	-64.6	-66.7	145.3	19		
000633	18 29	57 12	265	7	27.6	14294	13640	-64.5	-66.7	145	20		
001507	18 05	60 55	265	32	14	14321	13643	-64.9	-66.9	145.6	21		
0117	17 42	64 48					1560	29.4	23.0	1012.0			Block N

NOAA G-10
Track



Air Force
WC-130 Track

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: ISABEL/SYNOPTIC

NOAA/Hurricane Research Division Saturday, September 13, 2003 9:12:08 AM

Aircraft: N49RF

Proposed takeoff: 14/1730Z

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TRACK DISTANCES

NOAA G-IV Turn Points

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#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	ST CROIX			0.	0.	0:00
1	20 30	60 00		326.	326.	0:44
2	22 30	60 00		120.	446.	1:00
3	24 00	63 22	180/90	213.	660.	1:29
4	26 03	64 12	180/45	132.	792.	1:47
5	27 00	66 30	180/ 0	143.	934.	2:07
6	29 30	68 00		172.	1106.	2:30
7	29 30	57 30		588.	1694.	3:50
8	27 00	55 15		196.	1890.	4:17
9	27 00	61 30		354.	2244.	5:06
10	24 30	60 00		173.	2417.	5:29
11	24 30	55 15		272.	2689.	6:06
12	22 00	57 00		181.	2869.	6:31
13	18 30	57 00		210.	3079.	6:59
14	ST CROIX			459.	3538.	8:02

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: ISABEL/SYNOPTIC

NOAA/Hurricane Research Division Saturday, September 13, 2003 9:12:08 AM
 Aircraft: N49RF Proposed takeoff: 14/1730Z

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DROP LOCATIONS

NOAA G-IV Instrument Drop Locations

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	20 30	60 00		0:44
2	22 30	60 00		1:00
3	24 00	63 21		1:29
4	26 02	64 11		1:47
5	27 00	66 30		2:07
6	29 30	68 00		2:30
7	29 30	65 54		2:46
8	29 30	63 47		3:02
9	29 30	61 42		3:18
10	29 30	59 35		3:34
11	29 30	57 30		3:50
12	27 00	55 15		4:17
13	27 00	58 22		4:41
14	27 00	61 30		5:06
15	24 30	60 00		5:29
16	24 30	57 37		5:48
17	24 30	55 15		6:06
18	22 00	57 00		6:31
19	20 15	57 00		6:45
20	18 30	57 00		6:59
21	18 05	60 54		7:31

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N49RF AVAPS DropSonde Log

N49RF Project: HURRICANE 03

Flight ID 030914Z

Mission: ISABEL

Flight #: 2

System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	OOD ☒
1	023535351	1	1819	0	47	OK		
2	024125130	2	1836	0	41	OK		
3	023555085	1	1904	0	52	OK		
4	024125075	2	1921	0	25	OK		
5	023535224	1	1940	0	—	OK	NO WINDS	
500 6	022625138	2	1942	0	14	OK	DROP 5 BU WEAK TELEMETRY	
6 7	023535235	1	2004	0	19	OK		
7 8	022625146	2	2016	0	17	OK		
8 9	023535221	1	2030	0	18	OK		
9 10	022625145	3	2044	-0.7	45	OK	TELEMETRY DIED	
900 11	022625143	1	2054	0	40	OK	DROP 9 BU	
10 12	023535238	2	2001	0	64	OK		
11 13	022625176	3	2113	-0.6	27	OK		
12 14	024125073	1	2136	0	8	OK		
13 15	022625183	1	2158	-0.6	24	OK		
14 16	024125079	1	2223	0	35	OK		
15 17	023535390	1	2244	0	19	OK		
16 18	023535200	2	2301	0	43	OK		
17 19	024125109	1	2319	0	51	OK		
18 20	023535191	1	2340	0	12	OK		
19 21	022625186	2	2053	-0.6	42	OK		
20 22	022625139	1	0006	-1.0	14	OK		
21 23	022625105	1	0035	-0.8	24	OK		
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								