

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

AOCWE1

Flt ID: 030917N2	From: KMCF	To: KMCF
Flt No.: 03-088	Blk In: 0145	ATA: 0136
ETD: 1730Z	Blk Out: 1717	ATD: 1729
ETE: 8.5	Blk Time: 8:28 (8.5)	Flt Time: 8:07 (8.1)
Sponsor Org: NHC	Program: Surveillance	Purpose: 030917N2 H. Isclat # 7

AOC Personnel

AC: Finke, M. ✓	Sys Eng: Hornbrook, C. ✓
CP: Boston, R. / Finn, M. ✓	Data Sys: Brogan, D. ✓
Nav:	Radar:
FE:	GPS/BT: Carpenter, D. ✓
Avionics:	Cld Phys:
FD: Parrish, J. ✓	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Danion, J. ✓	WAPS	ITAD
Maxwell, D.	Visitor	Dev Ocean O

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

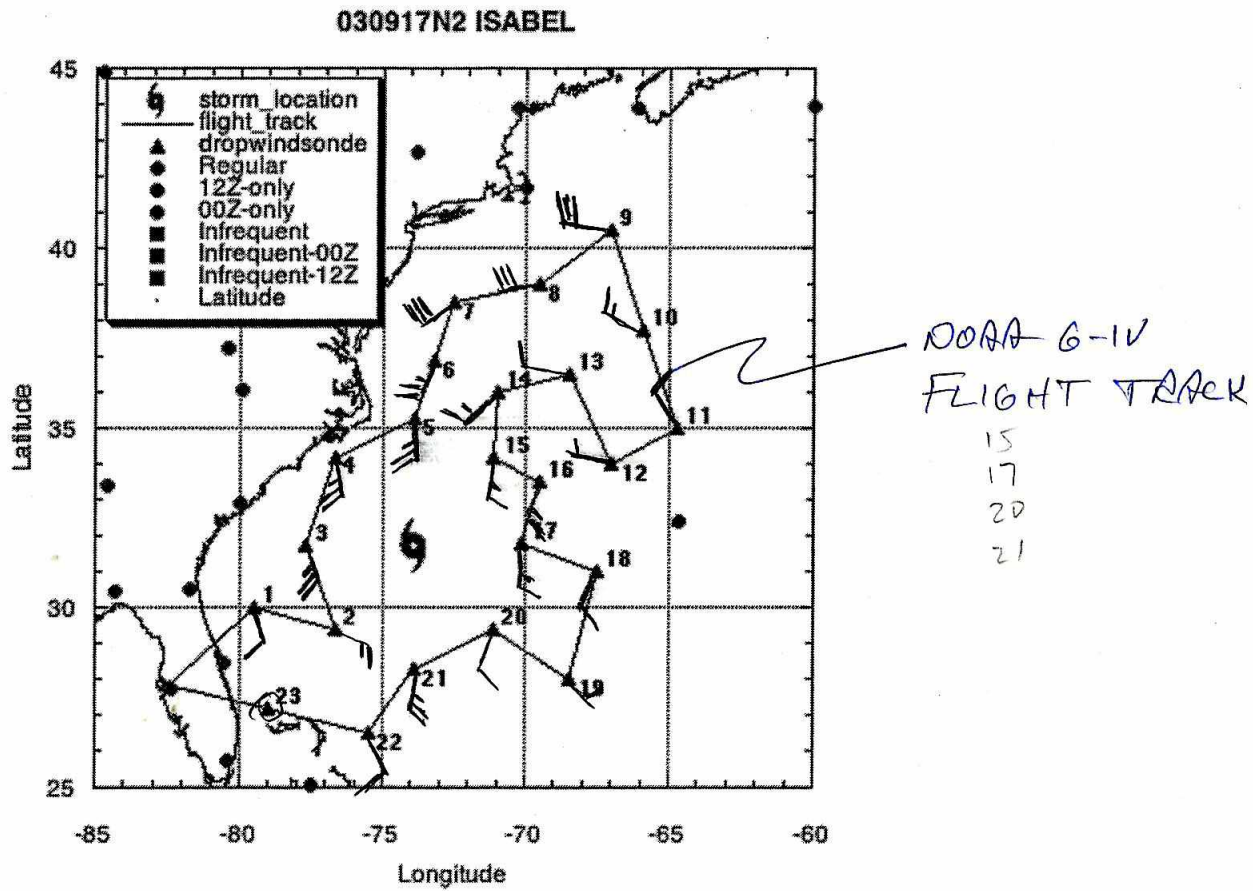
1655Z 14.D. Hit some mod CAT tonight, D & S of
 31/23 0055Z Storm. Nothing on radar.
 29-91 040/10 26 Drops, 23 good.
 #22 27/22
 060/12 29-89
 1011.5 +41
 30.5/22 44/8
 50/6 1011.2
 28.6/21.1

030917 NZ H. Isakel Surveillance #7

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Form 413-50

Time	LAT	LONG	TR	WOD	WS	GA	PA	TA	TD	PS	Drop		
172030	27 51	82 30					3.9	33.6	22.0	1012.1			After ALR
173045	27 55	82 26	344	47	8.4	1180	1144	19.8	16.4	874		↑	
174125	28 45	82 09	61	286	7.5	7190	6853	-16	-35	414		↑	
1753	29 30	80 43	65	171	9.1	10407	10117	-40	-43	255		↑	
180242	29 58	79 27	~	161	9.2	13068	12478	-55.3	-57	175.4	1(1)		
182452	29 37	76 45	340	120	13	13101	12478	-54.6	-54.3	175.4	2(2)		
184219	31 48	77 39	~	157	23.6	13081	12486	-55.4	-54.9	175.9	3(3)		
190150	34 13	76 35	56	168	23	13081	12483	-56.7	-52.2	176.2	4(4)		
192221	35 21	73 52									5(5)		late launch detected
192258	35 26	73 51		180	27	13098	12482	-58.7	-60.5	176.3	6(5)		
193422	36 54	73 11	18	201	26	13095	12489	-56.5	-61.5	176.3	7(6)		no, late launch detected
193530	37 07	73 06	18	218	26						8(6)		
194652	38 29	72 24	60	238	29	13092	12485	-56.9	-58.8	176.2	9(7)		no winds, 1 satellite
194835	38 34	72 04	72	242	29	13096	12484	-56.8	-59.3	176.3	10(7)		
200359	39 00	69 27	57	265	29	13102	12484	-57.1	-60.9	176.4	11(8)		
202234	40 17	66 54	162	277	30	13397	12773	-61.1	-60.5	168.2	12(9)		
203345	38 57	66 20	162	290	26	13415	12770	-60	-61	168.3			
204344	37 45	65 52	162	307	17	13439	12777	-59.8	-61.6	168.3	13(10)		
210703	34 52	65 01	242	328	11.4	13451	12772	-59.5	-61.9	168	14(11)		
212323	34 11	67 07	335	294	5.7	13451	12776	-58.5	-63.2	168.3	15(12)		
214535	36 27	68 37	~	280	12	14025	13344	-62.3	-67.5	152.6	16(13)		
220252	35 55	70 58	~	223	14.5	14022	13343	-62.6	-68.7	152.7	17(14)		
221259	34 11	71 01	~	193	14	14028	13345	-62.2	-65.1	152.6	18(15)		
223013	33 25	69 34	~	205	17	14034	13348	-62.3	-62.2	152.6	19(16)		
224528	31 46	69 57	~	177	17	14031	13344	-63.1	-62.7	152.6	20(17)		
230455	30 50	67 34	~	221	9.4	14335	13626	-65.5	-66.3	145.3	21(18)		
2316	29 35	67 59	196	157	7.2	14330	13629	-66	-66.6	145.3			
233026	28 06	68 41	~	125	5.5	14322	13627	-65.2	-67.9	145.3	22(19)		
234115	28 46	69 55	301	330	4.8	14326	13630	-64.3	-62.5	145.3			
235147	29 22	71 12	~	204	8.2	14313	13632	-63.55	-66.9	145	23(20)		
001410	28 17	73 52	226	189	23	14293	13636	-63.7	-67.5	146	24(21)		
0024	27 25	74 41	218	163	13	14311	13637	-62.5	-65.5	145.7			
003335	26 32	75 32	~	160	8.5	14307	13639	-62.9	-68.6	145.4	25(22)		
005925	27 07	79 01	272	235	1.6	14295	13641	-62.2	-69.7	146	26(23)		
001545	27 21	81 11	276	244	11	8939	8452	-26	-26	339		↓	
0145	27 51	82 29.5					156	24.8	9.5	1012.5			



===== HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: ISABEL/SYNOPTIC =====

NOAA/Hurricane Research Division Tuesday, September 16, 2003 9:52:10 AM
 Aircraft: N49RF Proposed takeoff: 17/1730Z

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	79 30		213.	213.	0:29
2	29 25	76 40	210/225	162.	375.	0:51
3	31 45	77 42	210/269	151.	526.	1:11
4	34 12	76 41	210/315	157.	684.	1:33
5	35 18	73 54	210/ 0	165.	849.	1:55
6	38 30	72 30		206.	1055.	2:23
7	39 00	69 30		162.	1217.	2:45
8	40 30	67 00		159.	1376.	3:07
9	35 00	64 45		351.	1727.	3:55
10	34 00	67 00		136.	1864.	4:14
11	36 30	68 30		171.	2034.	4:37
12	36 00	71 00		138.	2172.	4:56
13	34 12	71 07	210/45	108.	2281.	5:11
14	33 30	69 30		98.	2379.	5:24
15	31 48	70 06	210/90	107.	2486.	5:39
16	31 00	67 30		152.	2638.	5:59
17	28 00	68 30		189.	2827.	6:25
18	29 25	71 08	210/135	171.	2997.	6:48
19	28 18	73 54	210/180	169.	3166.	7:11
20	26 30	75 30		141.	3307.	7:30
21	MACDILL			405.	3713.	8:26

===== HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: ISABEL/SYNOPTIC =====

NOAA/Hurricane Research Division Tuesday, September 16, 2003 9:52:10 AM
 Aircraft: N49RF Proposed takeoff: 17/1730Z

===== DROP LOCATIONS

NOAA G-IV Instrument Drop Locations

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	30 00	79 30		0:29
2	29 24	76 39		0:51
3	31 44	77 41		1:11
4	34 11	76 40		1:33
5	35 18	73 54		1:55
6	36 54	73 12		2:09
7	38 30	72 30		2:23
8	39 00	69 30		2:45
9	40 30	67 00		3:07
10	37 45	65 52		3:31
11	35 00	64 45		3:55
12	34 00	67 00		4:14
13	36 30	68 30		4:37
14	36 00	71 00		4:56
15	34 11	71 07		5:11
16	33 30	69 30		5:24
17	31 47	70 06		5:39
18	31 00	67 30		5:59
19	28 00	68 30		6:25
20	29 24	71 08		6:48
21	28 18	73 54		7:11
22	26 30	75 30		7:30
23	27 10	79 00		7:58

N49RF AVAPS DropSonde Log

N49RF Project: Hurr 2003

Flight ID 630917NZ

Mission: Isabel

Flight #: RF15 (#5)

System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	OOD ☒
1	022928002	1	1802	0	54	DWC	OK	✓
2	024 125 317	1	1824	0	32			✓
3	022945 228	2	1842	0	17			✓
4	023 555 053	1	1901	0	20			✓
5	022945 227	1	1922	0	13			✓
6	022945 223	2	1922	0	48		Delayed launch detect	✓
7	022945 218	3	1934	0			Backup for drop #5	✓
8	022928008	4	1935	0	39		No launch detect	✓
9	022945 230	1	1946	0			Blu for drop #6 - lost telemetry	✓
10	022945 214	2	1948	0	30		No winds	✓
11	022945 222	3	2004	0	22		B/U for drop #7	✓
12	023 555 059	1	2022	0	21		OK	✓
13	022 945 224	2	2043	0	33			✓
14	022 945 125	1	2106	0	28			✓
15	022 815 009	2	2123	0	43			✓
16	023 235 037	1	2145	0	43			✓
17	022 928 015	2	2202	0	52			✓
18	023 235 038	1	2218	0	25			✓
19	023 235 103	2	2230	0	27			✓
20	023 235 096	1	2245	0	22			✓
21	023 235 105	1	2304	0	49			✓
22	022 815 010	1	2330	0	21			✓
23	023 235 045	1	2351	7	27			✓
24	023 235 101	1	0014	0	13			✓
25	023 235 047	1	0033	0	39			✓
26	022 945 200	1	0059	0	63			✓
27								✓
28								
29								
30								
31								
32								
33								