

U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center

FLT ID: 05092301	From: KMCF	To: KMCF
Flt No: 05 - 146	In: 1354 Z	On: 1346 Z
ETD: 0600 Z	Out: 0543	Off: 0557
ETE: 8 + 15	Blk Time: 8 + 11 (8.2) Hrs	Flt Time: 7 + 49 (7.8) Hrs
Sponsoring Org: NHC	Program: Surveillance	Purpose: H. Rita

AOC Flight Crew

Aircraft Commander: Finkle	Data System: Hill
Co-Pilot: Boston, Odell	AVAPS: Carpenter
Navigator: /	System Engineer: Fox
Flight Eng: /	AA:
Flight Director: Parrish	AA:
Avionics:	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Sitkowski, Matt	Visitor	U of Hawaii
Coldenberg, Ken	HAAS	HAAS

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Recco Times

Fix #

Fix Time

Storm Name: Rita

Mission ID: 2218

070/8

Dropped 31 sondes at 26 drop points.
26 msg's

U.S. DEPT OF COMMERCE / NMAO / NOAA / AIRCRAFT OPERATIONS CENTER

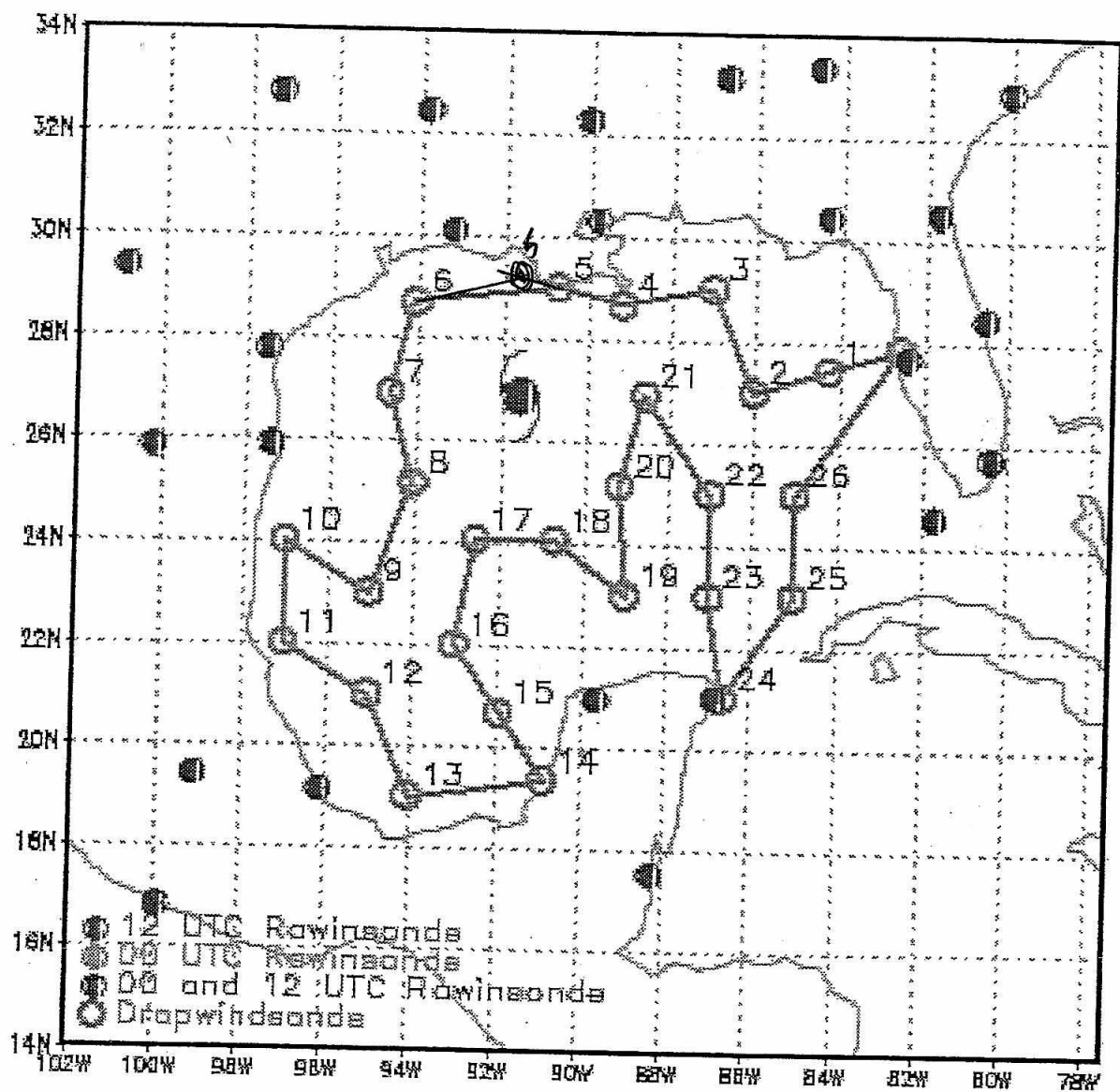
FLT ID: 050923N1		TIME OFF: 0557 Z		TIME ON: 1346 Z	
A/C - Takeoff		WX Station - Takeoff		A/C - Land	
Pressure		29.90		29.90	
ATIS - Takeoff		0455Z 090/8 7K 25/24 29.90 +31			
ATIS - Land		29.90			
Data Source	Number	Data Disposition / Date / Quality			
Flight Level Tapes					
Radar Tapes					
Cloud Physics Tapes / Cds					
Video Tapes					
Dropsondes	31	Good: 26 Bad: 5 Total: 31			
AXBT					
AXCP					
AXCTD					
SONOBUOY					

REMARKS:

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

1991

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
0543	Block out													
0557	Track off													
061551	27 25	84 16	253	255	212	4.6	-30	-33	9905	9881		292		Drop 1
062901	27 04	85 57	291	294	249	14	-56	-61	13252	13212		177		Drop 2
064602	28 57	87 02	292	297	238	17	-56	-63	13231	13194		177.2		Drop 3
070218	28 41	89 11	268	273	196	19	-54	-57	13259	13220		177		Drop 4
071839	29 09	91 30	264	270	157	23	-55	-59	13248	13210		177.5		Drop 5 lost wind
072343	29 02	92 13	253	258	149	14	-55	-63	13238	13201		177.7		Drop 5 backing
073645	28 38	94 00	225	223	167	11	-56	-60	13217	13179		177.8		Drop 6 late winds
073856	28 23	94 07	193	196	143	12.4	-56	-59	13221	13183		177.7		Drop 6 backing
075136	26 54	94 35	176	189	123	10	-59	-60	13518	13477		169.4		Drop 7 no VM
075306	26 44	94 33	161	164	123	11	-59	-62	13517	13476		169.6		Drop 7 backing
080659	25 08	94 03	226	224	117	5	-58	-62	13517	13474		169.5		Drop 8
082542	23 05	95 03	252	255	142	11	-57	-62	13506	13461		169.4		Drop 9
084058	23 52	96 58	216	223	161	22	-57	-66	13508	13464		169.3		Drop 10
085720	22 01	96 57	146	148	150	24.4	-57.4	-70.1	13503	13457		169.1		Drop 11
091558	20 59	95 00	137	139	123	23	-59.5	-71.5	13798	13750		161.4		Drop 12
093526	19 03	93 58	116	117	123	16.4	-61	-73	13801	13751		161.3		Drop 13
100130	19 29	90 59	342	341	118	18.5	-62	-74	14096	14045		153.8		Drop 14
101254	20 40	91 55	324	324	122	17	-62	-74	14107	14056		153.6		Drop 15
102547	22 01	92 58	352	350	122	16	-62	-69	14110	14061		153.5		Drop 16 late winds
102805	22 18	92 56	14	12	105	11.9	-61.3	-68	14105	14026		153.5		Drop 16 backing
104215	23 58	92 31	42	41	81	11	-62	-67	14117	14070		153.5		Drop 17
105632	24 02	90 40	108	108	98	2.7	-62	-65	14127	14080		153.3		Drop 18
111058	23 08	89 04	53	56	43	11.7	-64	-69	14414	14364		146.4		Drop 19
112803	25 08	89 09	5.4	8.2	234	11.6	-65	-70	14428	14380		146.3		Drop 20 lost winds
113535	26 03	88 53	13	17	252	14.5	-63	-67	14434	14387		146.4		Drop 20 backing
114252	26 43	88 27	138	134	224	15.6	-64	-66	14428	14381		146.6		Drop 21
120044	24 59	87 01	163	163	298	5	-65	-68	14426	14378		146.5		Drop 22
121651	23 00	87 00	172	176	47	12.2	-65	-70	14432	14382		146.5		Drop 23
123349	21 13	86 27	38	37	62	23	-65	-72	14428	14376		146.4		Drop 24
125329	23 00	85 01	21	21	60	8.8	-64.8	-71.7	14429	14379		146.5		Drop 25
125329	23 00	85 01	21	21	60	8.8	-64.8	-71.7	14429	14379		146.5		Drop 26
1346	Land													
1354	Block In													



2005-08-22-11:11

29 10

91 30

===== HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: RITA =====

NOAA/AOML/Hurricane Research Division: September 22, 2005 11:11:11 AM
Aircraft: N49RF Proposed takeoff: 23/0600Z
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TURN LOCATIONS

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#	LAT (d m)	LON (d m)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	27 51	-82 31	0.	0.	0:00
1	27 00	-86 00	203.	203.	0:28
2	29 00	-87 00	132.	335.	0:46
3	28 40	-89 10	123.	459.	1:03
4	28 59	-90 43	88.	548.	1:15
5	28 40	-94 02	186.	735.	1:40
6	26 54	-94 36	110.	845.	1:55
7	25 08	-94 02	110.	956.	2:10
8	23 00	-95 00	139.	1096.	2:29
9	24 00	-97 00	129.	1225.	2:47
10	22 00	-97 00	120.	1345.	3:04
11	21 00	-95 00	130.	1476.	3:21
12	19 00	-94 00	133.	1609.	3:39
13	19 20	-90 51	184.	1794.	4:05
14	22 00	-93 00	202.	1997.	4:32
15	24 03	-92 32	125.	2123.	4:50
16	24 03	-90 40	106.	2229.	5:04
17	23 00	-89 00	114.	2344.	5:20
18	25 08	-89 10	128.	2472.	5:37
19	26 54	-88 36	110.	2583.	5:52
20	25 00	-87 00	145.	2729.	6:12
21	23 00	-87 00	120.	2849.	6:29
22	21 00	-86 37	122.	2971.	6:45
23	23 00	-85 00	152.	3123.	7:06
24	25 00	-85 00	120.	3243.	7:22
25	27 51	-82 31	221.	3465.	7:53

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64-43

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: RITA

NOAA/AOML/Hurricane Research Division: September 22, 2005 11:11:11 AM
Aircraft: N49RF Proposed takeoff: 23/0600Z

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DROP LOCATIONS

#	LAT (d m)	LON (d m)	TIME (h:mm)
1	27 25	-84 16	0:14
2	27 00	-86 00	0:28
3	29 00	-87 00	0:46
4	28 40	-89 10	1:03
5	28 59	-90 43	1:15
6	28 40	-94 02	1:40
7	26 54	-94 36	1:55
8	25 08	-94 02	2:10
9	23 00	-95 00	2:29
10	24 00	-97 00	2:47
11	22 00	-97 00	3:04
12	21 00	-95 00	3:21
13	19 00	-94 00	3:39
14	19 20	-90 51	4:05
15	20 40	-91 55	4:19
16	22 00	-93 00	4:32
17	24 03	-92 32	4:50
18	24 03	-90 40	5:04
19	23 00	-89 00	5:20
20	25 08	-89 10	5:37
21	26 54	-88 36	5:52
22	25 00	-87 00	6:12
23	23 00	-87 00	6:29
24	21 00	-86 37	6:45
25	23 00	-85 00	7:06
26	25 00	-85 00	7:22

89 10

94 02

91 50

LYDE GARDEN - 53rd

Send a note to State.
State sends to Intersection.

A0540/05 NOTAMN KZNU

A0382/05 NOTAMN KZMA

A0385/05 NOTAMN KZMA 06

A0384/05 NOTAMN KZMA 18

A0547/05 NOTAMN KZNU 06

A0546/05 NOTAMN KZNU 18

22/18Z 3277 mi

2218A RMA

23/0144Z TEAL 40

26 03N

09, 12, 15 Z

90 07W

917 mb

DE 123

123

OW 125

0921 miles 3470

0922N2 mission

27 dropped

25 good

7.4 7.1

31 26

N49RF AVAPS DropSonde Log

N49RF Project: SURV Flight ID: 050923N
 Mission: RITA Flight #: _____ Launcher S/N: 02 Status: Sys 1 ☒ Sys 2 ☒

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
1	012 615 069	1	0616	-0	26	DT		☒
2	013 128 016	2	0629	0	19	DT		☒
3	993 948 018	4	0646	0	43	DT		
4	012 615 074	1	702	-3	36			
5	011 378 071	2	718	0	49		WINDS STOPPED	
6	023 128 012	4	725	.4	32		BU FOR 5	
7	012 225 152	1	736	-3			LATE WINDS	
8	023 128 013	2	738	0	24		BU FOR 6	
9	051 926 120	4	751	0			NO PTH	
10	012 258 019	3	753	-1	23		BU FOR # 7	
11	012 258 019	1	807	0	36			
12	012 615 200	2	0825	0	29			
13	012 615 018	4	0841	0	17			
14	053 166 149	1	0857	0	5			
15	012 225 199	2	916	-4	19			
16	012 258 022	4	935	0	16			
17	012 615 221	1	1001	-2	30			
18	012 225 203	2	1012	-2	49			
19	012 258 023	4	1025	-4			LATE WINDS	
20	012 258 017	1	1028	0	50		BU FOR #16	
21	012 225 022	2	1042	-2	65			
22	012 258 116	4	1056	0	37			
23	012 225 204	1	1111	0	19		WINDS DROPPED OUT LATE	
24	012 225 202	2	1128	-2	57		WINDS DROPPED	
25	012 225 016	4	1135	-4	22		BU FOR 21	
26	012 615 071	1	1142	0	31			
27	012 258 008	2	1200	-5	26			
28	053 170 075	4	1216	0	28			
29	012 615 070	1	1233	0	30			
30	051 926 037	2	1253	0	26			
31	012 258 007	4	1310	0	21	DT		
32		1						
33								