

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

FLT ID: 050918N	From: KMLF	To: KMLF
Flt No: 05 - 140	In: 1437 Z	On: 1429 Z
ETD: 0607 Z	Out: 0553	Off: 0605
ETE: 8 + 30	Blk Time: 8 + 44 (8.7) Hrs	Flt Time: 8 + 24 (8.3) Hrs
Sponsoring Org: NITC	Program: Surveillance	Purpose: T.S. Airt 12Z

AOC Flight Crew

Aircraft Commander: Finke	Data System: Roles
Co-Pilot: Poston /	AVAPS: Barr
Navigator: /	System Engineer: Hill
Flight Eng: Pottgauer /	AA: /
Flight Director: Parrish /	AA: /
Avionics: /	Crew Chief: /

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Goldenberg, S.	HABs	HRD

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)	Recco Times	Fix #	Fix Time
Storm Name: T.S. Airt	H.D. → Recco then		
Mission ID: 0418A	CDO		
Spms dropsondes from 3000z data. Dropped 27. 24 good. 24 mags.			

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

FLT ID: 050919N

TIME OFF: 0605 Z

TIME ON: 1019 Z

A/C - Takeoff

WX Station - Takeoff

A/C - Land

WX Station - Land

Pressure

ATIS - Takeoff

N 0455Z D70/4 71C 27/24 30.04 -98

ATIS - Land

040/10 29/24 1019

Data Source

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

Cloud Physics Tapes /
Cds

Video Tapes

Dropsondes

27

Good: 24 Bad: 3

Total: 27

AXB T

AXCP

AXCTD

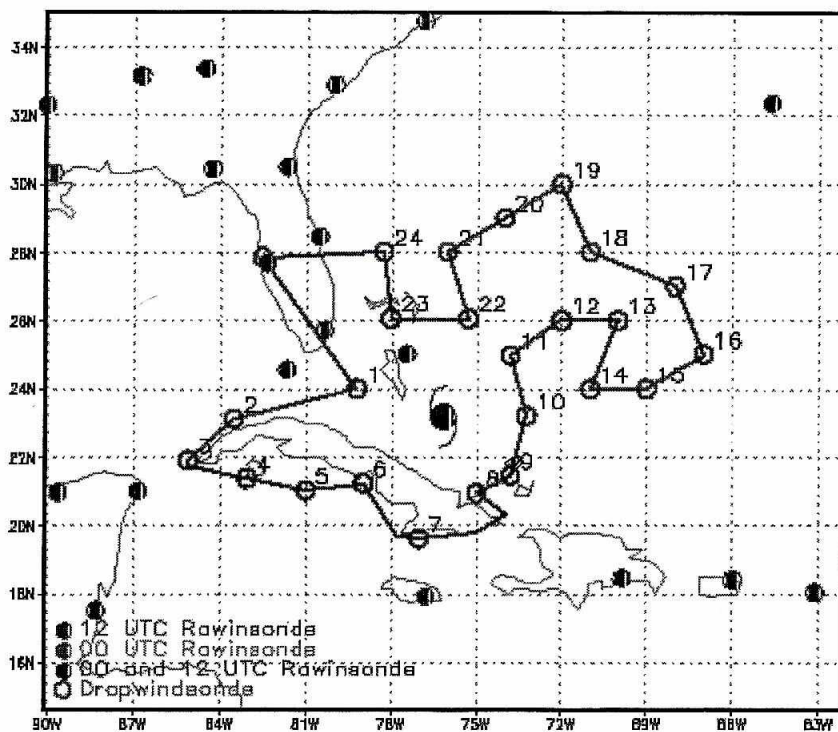
SONOBUOY

REMARKS:

050900N T.S. Riva Surveillance

21/182

Time	LAT	LONG	TR	WD	WS	PA	TA	TD	PS					
0533	Block out													
0605	Take off													
0649.5	24 02	74 20	~	152	25	13152	-57.6	-70.3	178	Drop 1				
072053	23 12	83 30		354	8.3	13177	-57.9	-66.8	176.9	Drop 2				
073838	21 53	85 12		295	10	13184	-58	-67	177.4	Drop 3				
075740	21 15	82 59	94	0.6	12.4	13461	-61.6	-68	169.4	Drop 4				
081304	20 59	80 59	99	41	7.2	13407	-60.4	-74	169.3	Drop 5				
082929	20 28	79 00	109	131	10.9	13418	-60.7	-68	169.0	Drop 6				
084825	19 24	76 59	90	120	11.1	13407	-59.8	-68	169.4	Drop 7				
092734	20 02	73 49		104	17		-63	-69		Drop 8				
093636	21 00	74 35		84	11		-64	-70		Drop 9				
094407	21 41	73 42		90	14.6		-64	-68		Drop 10				
095022	22 30	73 26		90	14.6		-64	-56		C/A DATA 45 m. F. solo				
095300	23 13	73 13		93	8.8					Drop 10				
100451	24 57	73 42	2.7	151	18.8					Drop 10				
102008	25 59	72 00	70.7	354	5.8	14099	-66	-71	153.6	Drop 11				
103432	25 54	70 06	~	314	6.3	14094	-66.4	-71.2	153.7	Drop 12				
105146	24 02	70 52	~	235	1.9	14251	-64.8	-72	149.5	Drop 13				
110619	24 01	68 59		360	11.5	14332	-67	-74		Drop 14				
112337	25 02	67 05	~	349	14.3	14373	-66	-74	141.8	Drop 15				
112430	20 54	68 00	Little data				-64	-61		Drop 16 - No launch detected				
113115	25 50	67 24		331	11	14386	-66	-74	146.7	Drop 16				
114207	26 58	68 00	316	333	12.7	14383	-66	-73	146.7	Drop 16 #2				
120604	28 02	70 59	314	12.4	8.8	14405	-64	-75	146.6	Drop 17				
122404	29 55	72 03	~	328	4.4	14396	-63.7	-74.7	146.9	Drop 18				
124024	29 00	74 00	240.7	271	8.4	14403	-65.4	-75.7	146.9	Drop 19				
125728	27 57	75 56	~	209	9.0	14347	-67	-76	146.7	Drop 20				
131352	26 05	75 24	~	105	3.6	14393	-67	-74	146.6	Drop 21				
133308	26 07	77 57	~	72	6.1	14398	-66	-74	146.6	Drop 22				
134826	27 56	78 18	~	290	2.2	14404	-66.1	-73.8	146.5	Drop 23				
140830	27 43	81 04	255	70	12	7336	-18	-33	39.2	Drop 24				
1437	27 09	82 25.6				-51.1	30	22	109.3	to land				



CHASE COLY/IES

2005-08-18-13:38

0940

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: TD 18 RITA

NOAA/AOML/Hurricane Research Division: September 18, 2005 1:38:22 PM
Aircraft: N49RF Proposed takeoff: 19/0600Z

DROP LOCATIONS

#	LAT (d m)	LON (d m)	TIME (h:mm)
1	24 00	-79 12	0:41
2	23 12	-83 30	1:15
3	21 54	-85 12	1:31
4	21 21	-83 03	1:49
5	21 00	-81 00	2:06
6	20 30	-79 00	2:22
7	19 24	-77 00	2:44
8	21 00	-74 42	3:19
9	21 26	-73 47	3:29
10	23 12	-73 12	3:45
11	24 58	-73 47	3:60
12	26 00	-72 00	4:16
13	26 00	-70 00	4:31
14	24 00	-71 00	4:49
15	24 00	-69 00	5:05
16	25 00	-67 00	5:23
17	27 00	-68 00	5:41
18	28 00	-71 00	6:05
19	30 00	-72 00	6:23
20	29 00	-74 00	6:41
21	28 00	-76 00	6:58
22	26 03	-75 16	7:15
23	26 03	-78 00	7:36
24	28 00	-78 15	7:52

0930Z

1000Z

0648Z

22 32N

73 54W

999

0045Z

57 NW

19/18Z Monday ~~off~~ off

20/06Z Mon night/tues early am

21/18Z Weds off

22/06Z Thurs night (Thursday
early am)

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: TD 18 RITA

NOAA/AOML/Hurricane Research Division: September 18, 2005 1:38:22 PM
 Aircraft: N49RF Proposed takeoff: 19/0600Z

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TURN LOCATIONS

#	LAT (d m)	LON (d m)	LEG (nm)	TOTAL (nm)	TIME (h:mm)
0	27 51	-82 31	0.	0.	0:00
1	24 00	-79 12	298.	298.	0:41
2	23 12	-83 30	252.	551.	1:15
	22 30	-85 00			
3	21 54	-85 12	117.	668.	1:31
4	21 30	-85 12	11.	680.	1:33
5	21 00	-81 00	241.	921.	2:06
6	20 30	-79 00	118.	1039.	2:22
7	19 36	-77 48	113.	1153.	2:37
8	19 24	-77 00	46.	1199.	2:44
9	19 36	-75 00	117.	1317.	2:60
	19 36	-74 00			
10	20 18	-73 48	70.	1387.	3:09
11	21 00	-74 42	72.	1460.	3:19
12	21 26	-73 47	75.	1535.	3:29
13	23 12	-73 12	110.	1646.	3:45
14	24 58	-73 47	110.	1757.	3:60
15	26 00	-72 00	118.	1876.	4:16
16	26 00	-70 00	113.	1989.	4:31
17	24 00	-71 00	132.	2122.	4:49
18	24 00	-69 00	114.	2237.	5:05
19	25 00	-67 00	129.	2366.	5:23
20	27 00	-68 00	132.	2499.	5:41
21	28 00	-71 00	179.	2679.	6:05
22	30 00	-72 00	132.	2811.	6:23
23	28 00	-76 00	254.	3066.	6:58
24	26 03	-75 16	124.	3190.	7:15
25	26 03	-78 00	155.	3345.	7:36
26	28 00	-78 15	117.	3463.	7:52
27	27 51	-82 31	240.	3704.	8:25

N49RF AVAPS DropSonde Log

N49RF Project: Surveillance

Flight ID 050919N1 RITA

Mission: 0418A Flight #: 01

Launcher S/N: 2

Status: Sys 1 ☒

Sys 2 ☒

USING NEW SOFTWARE

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
1	000715/297	1	0649	0.0	48	J Roles		☒
2	051926184	1	0721	0.0	35	"		☒
3	012625075	2	0738	0.0	50	"		☒
4	012615076	1	0751	-0.4	25	"		☒
5	012615211	2	0813	0.0	25	"		☒
6	051926179	1	0829	0.0	28	"		☒
7	012025060	2	0848	-0.7	19	"		☒
8	012615207	1	0927	0.0	24	"		☒
9	000715301	2	0937	0.0	32	"		☒
10	012025073	1	0950	0.0	—	"	Nowhere 0/7	☒
11	000715155	4	0953	+0.6	32	"	Backlog L. 10 Data Gaps	☒
12	000715161	2	1005	0.0	34	"	Drop 11	☒
13	000715171	1	1020	0.0	40	"	12	☒
14	000715169	2	1034	0.0	46	"	13	☒
15	000715172	1	1051	0.0	36	"	14	☒
16	000715088	2	1106	0.0	36	"	15	☒
17	000715012	1	1123	0.0	—	"	No Launch detected	☒
18	000715166	4	1124	0.0	39	"	Lost signal	☒
19	012615176	1	1131	0.0	41	"	16	☒
20	012025075	2	1157				RS-REBOOT 17L5 Channel	☒
21	011378220	6	1206	-0.4	38	JMB	19 L5	☒
22	012615182	8/1	1224	-0.5	26	J Roles	19	☒
23	000715156	2	1240	0.0	37	J Roles	20	☒
24	000715162	1	1257	0.5	38	J Roles	21	☒
25	012848004	2	1314	0.0	58	J Roles	22	☒
26	000715165	1	1333	0.0	36		23	☒
27	000715170	2	1348	0.0	50	J Roles	24	☒
28								
29								
30								
31								
32								
33								

Ⓢ # Channel 3 has problems tracking SATs sometimes