

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

FLT ID: 050913 N	From: KMCF	To: KSAV
Flt No: 05 - 138	In: 0225 Z	On: 0222 Z
ETD: 18 Z	Out: 1747 Z	Off: 1759 Z
ETE: 8 + 30	Blk Time: 8 + 38 (8.6 Hrs)	Flt Time: 8 + 23 (8.4 Hrs)
Sponsoring Org: NOAA / NHC	Program: 17JUN05	Purpose: SURV.

AOC Flight Crew

Aircraft Commander: FINN, M	Data System: BROGAN, D
Co-Pilot: ODELL, W	AVAPS:
Navigator: /	System Engineer: SMITH, J
Flight Eng: /	AA:
Flight Director: FLAHERTY, P	AA:
Avionics: ROGERS, M	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
DAVON, J	HAPS	H2D

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

Storm Name: TS OPHELIA

Mission ID: NOAA 2216A OPHELIA

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

FLT ID: 050913 N TIME OFF: 1759 Z TIME ON: 0222 Z

	A/C - Takeoff	WX Station - Takeoff	A/C - Land	WX Station - Land
Pressure	1015.2		1009.4	

ATIS - Takeoff

ATIS - Land

Data Source	Number	Data Disposition / Date / Quality		
Flight Level Tapes				
Radar Tapes				
Cloud Physics Tapes / Cds				
Video Tapes				
Dropsondes	34	Good: 27	Bad: 7	Total:
AXB T				
AXCP				
AXCTD				
SONOBUOY				

REMARKS:

KMC 31007 ~~KTB~~ 76M 32/23 A3001KSAV 401538 ~~32010~~ 10SM 27/19 A2228



NOAA G-IV
Hurricane 2005
NHC – TS Ophelia
KMCF - KSAV



Flight ID: 050913n

Sensor or system

Inertial (for wind derivation)

Temperature /Dew Point

Static and Dynamic Pressure

Directory / Constants File

Number or Name

VEW_PITR/VNS_PITR

AT1/DPRC

PS2C/QC2C

506/49cal032

Notes:

There were no time/data glitches during this flight.

All instruments worked properly.

34 dropsondes were deployed. Only 27 Observations were transmitted.

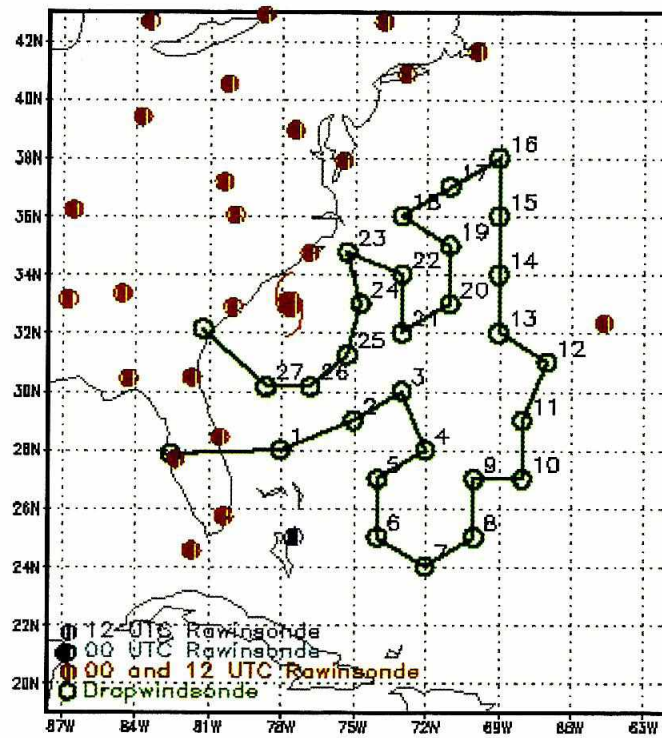
	Takeoff	Landing
Aircraft Static Pressure	1015.2 mb	1009.4 mb

STATION INFORMATION

1655Z 31007KT 7SM 32/23 A3001

0153Z 32010KT 10SM 27/19 A2986

Flight Director:	Paul Flaherty
Phone #:	(813) 828-3310 ext. 3094



GADS: COLA/IBES

2005-09-12-12:34

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: OPHELIA

NOAA/AOML/Hurricane Research Division: September 12, 2005 12:34:13 PM
Aircraft: N49RF Proposed takeoff: 13/1800Z

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DROP LOCATIONS

#	LAT (d m)	LON (d m)	TIME (h:mm)
1	28 00	-78 00	0:35
2	29 00	-75 00	0:59
3	30 00	-73 00	1:17
4	28 00	-72 00	1:35
5	27 00	-74 00	1:52
6	25 00	-74 00	2:08
7	24 00	-72 00	2:26
8	25 00	-70 00	2:44
9	27 00	-70 00	3:00
10	27 00	-68 00	3:15
11	29 00	-68 00	3:32
12	31 00	-67 00	3:50
13	32 00	-69 00	4:07
14	34 00	-69 00	4:23
15	36 00	-69 00	4:40
16	38 00	-69 00	4:56
17	37 00	-71 00	5:13
18	36 00	-73 00	5:30
19	35 00	-71 00	5:47
20	33 00	-71 00	6:03
21	32 00	-73 00	6:20
22	34 00	-73 00	6:36
23	34 46	-75 16	6:54
24	33 00	-74 42	7:09
25	31 14	-75 16	7:24
26	30 09	-76 46	7:39
27	30 09	-78 38	7:53

N49RF AVAPS DropSonde Log

N49RF Project: Hurr 05 Flight ID 050913N

Mission: Ophelia Flight #: 36 Launcher S/N: 02 Status: Sys 1 X Sys 2 X

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	012 615 072	1	1820	-5	28	JS		✓
2	011 218 127	2	1833	-5	33			✓
3	012 545 005	1	1847	0	11			✓
4	012 615 082	2	1902	0	13	MR	Flaky winds ^{good at 15}	✓
5	012 615 194	1	1916	0	48			✓
6	051 926 132 (D)	2	1929	0	20			✓
7	012 615 016	1	1946	0	46			✓
8	012 615 180	2	20:00	0	22			✓
9	012 615 209	1	20:14	0	28			✓
10	012 615 197	2	20:29	4	14			✓
11	012 625 072	1	20:45	0	21			✓
12	051 926 036	2	21:02	0	12			✓
13	012 225 161	1	21:18	-5	8			✓
14	051 926 042 (D)	2	21:34	0	21			✓
15	012 615 181	1	21:49	0	23			✓
16	012 615 023	2	22:04	0	19			✓
17	012 025 127	1	22:20	0	33			✓
18	012 615 184	2	22:37	0	27			✓
19	012 625 073	1	22:53	0	31		lost winds 500-910 mb	✓
20	011 378 084	2	23:08	-4	28			✓
21	012 615 185	1	23:24	-3	-			✓
22	012 615 193	2	23:40	0	-			✓
23	012 615 213	1	23:56	0	41			✓
24	012 615 022	2	00:10	0	21			✓
25	012 615 196	1	00:26	-4	-		late winds	✓
26	012 615 008	3	00:28	0	30			✓
27								
28								
29								
30								
31								
32								
33								

BAD SONDES CHARGE TO AOC - 0
GOOD SONDES TO MR - 26

N49RF AVAPS DropSonde Log

N49RF Project: HURR05

Flight ID 050913N

Mission: APPELLIA Flight #: RF35

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	011118003	1	1834	0	54	RS		☒
2	010715223	1	1858	0	30		LOST WINDS	☒
3	000345258	2	1901	0.5	31			☒
4	000345288	3	1915	0	27			☒
5	000335248	1	1932	0.6	—		NO LAUNCH DETECTED	☒
6	000475023	2	1934	0	36			☒
7	000345292	1	1948	0.5	21			☒
8	010715176	2	2004	-0.5	41			☒
9	011245335	1	2021	-0.9	24		NO TEMP	☒
10	000335250	3	2026	0.5	28			☒
11	002525273	2	2038	0.6	42			☒
12	000335244	1	2056	1.0	—		NO WINDS	☒
13	044135102	3	2057	0	39			☒
14	051926218	2	2110	0	32			☒
15	000345297	1	2128	0.6	52			☒
16	000345290	1	2147	0.5	—		NO WINDS	☒
17	000345294	2	2150	0.5	33			☒
18	000345390	3	2205	0	29			☒
19	002615566	1	2223	0	19			☒
20	000335176	2	2241	0.9	28			☒
21	000335249	1	2258	0.4	26			☒
22	000345289	2	2313	0.7	34			☒
23	000335245	1	2329	1.0	1:17		LOST WINDS	☒
24	000335177	3	2332	1.0	48			☒
25	043845076	2	2343	0	29			☒
26	000335175	1	2358	0.5	—		NO WINDS	☒
27	000345266	4	0001	0.6	55			☒
28	000345295	2	0013	0.5	30			☒
29	053615021	1	0030	0	34			☒
30	012615198	2	0046	0	50			☒
31	012225172	1	0100	0	31			☒
32	012615179	2	0115	0	25			☒
33	012848003	1	0129	0	26			☒
34	012615089	2	0142	0	1:30			☒