

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

|                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| FLT ID: 050914 N           | From: KSAV                 | To: KMCF                   |
| Flt No: 05 - 139           | In: 0119 Z                 | On: 0110 Z                 |
| ETD: 18 Z                  | Out: 1747 Z                | Off: 1756 Z                |
| ETE: 8 + 30                | Blk Time: 7 + 32 (7.5 Hrs) | Flt Time: 7 + 14 (7.2 Hrs) |
| Sponsoring Org: NOAA / NHC | Program: HURR 05           | Purpose: Surv.             |

**AOC Flight Crew**

|                              |                           |
|------------------------------|---------------------------|
| Aircraft Commander: FINN, M  | Data System: BROWN, D     |
| Co-Pilot: O'DELL, 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 |
|---------------------------|----------------------|-------------|
| <del>UNID</del> DUNION, J | HAPS                 | H2D         |
|                           |                      |             |
|                           |                      |             |
|                           |                      |             |
|                           |                      |             |
|                           |                      |             |
|                           |                      |             |
|                           |                      |             |
|                           |                      |             |
|                           |                      |             |

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

Recco Times

Fix #

Fix Time

Storm Name: NMA 2616A OPHSLIA

Mission ID: HURR OPHSLIA

N 43 212 10K

+ 51 00Z

(See reverse for additional remarks)

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

|                  |                  |                 |
|------------------|------------------|-----------------|
| FLT ID: 050915 N | TIME OFF: 1756 Z | TIME ON: 0110 Z |
|------------------|------------------|-----------------|

|  |               |                      |            |                   |
|--|---------------|----------------------|------------|-------------------|
|  | A/C - Takeoff | WX Station - Takeoff | A/C - Land | WX Station - Land |
|--|---------------|----------------------|------------|-------------------|

|          |        |  |        |  |
|----------|--------|--|--------|--|
| Pressure | 1009.0 |  | 1015.6 |  |
|----------|--------|--|--------|--|

|                |  |
|----------------|--|
| ATIS - Takeoff |  |
|----------------|--|

|             |  |
|-------------|--|
| ATIS - Land |  |
|-------------|--|

| Data Source | Number | Data Disposition / Date / Quality |
|-------------|--------|-----------------------------------|
|-------------|--------|-----------------------------------|

|                    |  |  |
|--------------------|--|--|
| Flight Level Tapes |  |  |
|--------------------|--|--|

|             |  |  |
|-------------|--|--|
| Radar Tapes |  |  |
|-------------|--|--|

|                           |  |  |
|---------------------------|--|--|
| Cloud Physics Tapes / Cds |  |  |
|---------------------------|--|--|

|             |  |  |
|-------------|--|--|
| Video Tapes |  |  |
|-------------|--|--|

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

|            |    |                          |
|------------|----|--------------------------|
| Dropsondes | 26 | Good: 25 Bad: 1 Total: ? |
|------------|----|--------------------------|

|      |  |  |
|------|--|--|
| AXBT |  |  |
|------|--|--|

|      |  |  |
|------|--|--|
| AXCP |  |  |
|------|--|--|

|       |  |  |
|-------|--|--|
| AXCTD |  |  |
|-------|--|--|

|          |  |  |
|----------|--|--|
| SONOBUOY |  |  |
|----------|--|--|

**REMARKS:**

KSNV 30009G17KT 10SM 31/A A2990

KMAF 0055Z 2700KT 7SM 27/21 A2999



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



***Flight ID: 050914n***

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*

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**Notes:**

There were no time/data glitches during this flight.

All instruments worked properly.

26 dropsondes were deployed. 25 Observations were transmitted.

|                          |           |           |
|--------------------------|-----------|-----------|
|                          | Takeoff   | Landing   |
| Aircraft Static Pressure | 1009.0 mb | 1015.6 mb |

**STATION INFORMATION**

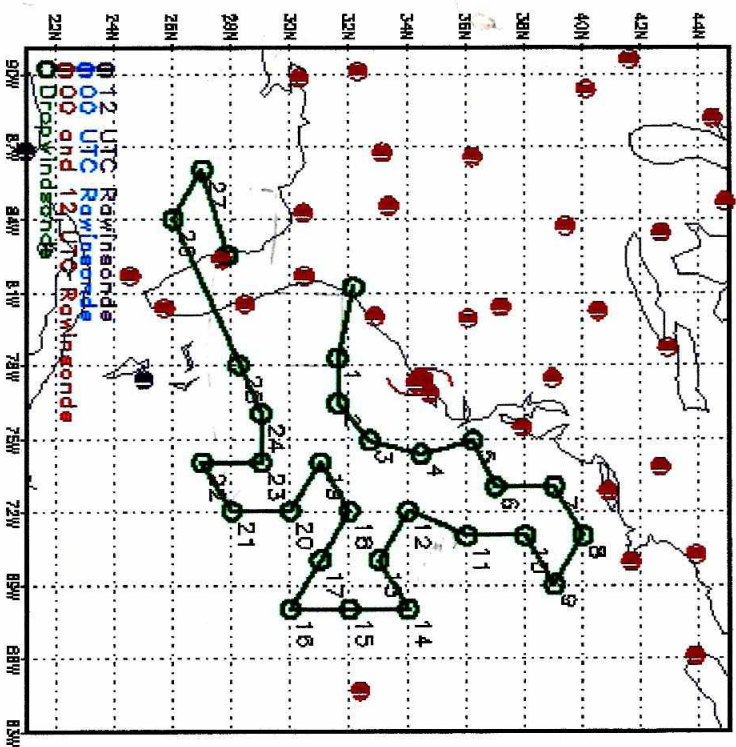
1655Z 30009G17KTS 10SM 31/19 A2990

0055Z 27006KT 7SM 27/21 A2999

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

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2005-09-13-10:21

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: OPHELIA

NOAA/AOML/Hurricane Research Division: September 13, 2005 10:21:05 AM  
Aircraft: N49RF Proposed takeoff: 14/1800Z

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DROP LOCATIONS

| #  | LAT<br>(d m) | LON<br>(d m) | TIME<br>(h:mm) |
|----|--------------|--------------|----------------|
| 1  | 31 36        | -78 17       | 0:22           |
| 2  | 31 36        | -76 25       | 0:36           |
| 3  | 32 41        | -74 55       | 0:51           |
| 4  | 34 27        | -74 21       | 1:06           |
| 5  | 36 13        | -74 55       | 1:21           |
| 6  | 37 00        | -73 00       | 1:36           |
| 7  | 39 00        | -73 00       | 1:53           |
| 8  | 40 00        | -71 00       | 2:09           |
| 9  | 39 00        | -69 00       | 2:26           |
| 10 | 38 00        | -71 00       | 2:43           |
| 11 | 36 00        | -71 00       | 2:59           |
| 12 | 34 00        | -72 00       | 3:17           |
| 13 | 33 00        | -70 00       | 3:34           |
| 14 | 34 00        | -68 00       | 3:51           |
| 15 | 32 00        | -68 00       | 4:07           |
| 16 | 30 00        | -68 00       | 4:24           |
| 17 | 31 00        | -70 00       | 4:41           |
| 18 | 32 00        | -72 00       | 4:58           |
| 19 | 31 00        | -74 00       | 5:15           |
| 20 | 30 00        | -72 00       | 5:32           |
| 21 | 28 00        | -72 00       | 5:49           |
| 22 | 27 00        | -74 00       | 6:06           |
| 23 | 29 00        | -74 00       | 6:23           |
| 24 | 29 00        | -76 00       | 6:38           |
| 25 | 28 15        | -78 00       | 6:54           |
| 26 | 26 00        | -84 00       | 7:44           |
| 27 | 27 00        | -86 00       | 8:02           |