

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

AOCWPF1

|                          |                             |                             |
|--------------------------|-----------------------------|-----------------------------|
| Flt ID: <b>N050207</b>   | From: <b>PHNL</b>           | To: <b>PHNL</b>             |
| Flt No: <b>05-47</b>     | Blk In: <b>0343Z</b>        | ATA: <b>0341Z</b>           |
| ETD: <b>2000Z</b>        | Blk Out: <b>1952Z</b>       | ATD: <b>2003Z</b>           |
| ETE:                     | Blk Time: <b>7:51 (7.8)</b> | Flt Time: <b>7:38 (7.6)</b> |
| Sponsor Org: <b>NCEP</b> | Program: <b>WS 2005</b>     | Purpose: <b>TRACK 37</b>    |

## AOC Personnel

|                      |                                   |
|----------------------|-----------------------------------|
| AC: <b>POSTON</b>    | Sys Eng:                          |
| CP: <b>ODELL</b>     | Data Sys: <b>HORN BROOK</b>       |
| Nav:                 | Radar:                            |
| FE: <del>KEENE</del> | GPS/BT: <b>BROGAN</b>             |
| FD: <b>DAMITANO</b>  | <del>Old Phys:</del> <b>OLNEY</b> |
| Avionics:            |                                   |

## Participating Scientists / Visitors / AOC

Name (Last, First)

Activity on Aircraft

Affiliation

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

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

AOCWPF2

Flt ID: **N050207** Time Off: **2003Z** Time On: **0341Z**

|          | A/C (Take Off)          | Wx Station (Take Off) | A/C (Land)       | Wx Station (Land) |
|----------|-------------------------|-----------------------|------------------|-------------------|
| Pressure | 1015.6 1016.4<br>1017.1 | 30.07 / 1017.8        | 1013.8<br>1015.1 | 30.00 / 1015.4    |

|                     | Number | Data Disposition / Date / Quality   |
|---------------------|--------|-------------------------------------|
| Flt Lvl Tapes       | 1      |                                     |
| Radar Tapes         |        |                                     |
| Cloud Physics Tapes |        |                                     |
| Video Tapes         |        |                                     |
|                     |        |                                     |
|                     |        |                                     |
|                     |        |                                     |
| AXBT                |        |                                     |
| AXCP                |        |                                     |
| AXCTD               |        |                                     |
| Dropsondes          | 16     | all good; sent 16 messages to NCEP. |

## Video

|          | Forward | Left Side | Right Side | Down | Remarks |
|----------|---------|-----------|------------|------|---------|
| Time On  |         |           |            |      |         |
| Time Off |         |           |            |      |         |
| Rate     |         |           |            |      |         |

|         |                           |                 |
|---------|---------------------------|-----------------|
| Remarks | 1857<br>26<br>21<br>30.05 | 1955 part 14505 |
|---------|---------------------------|-----------------|





# NOAA G-IV ERROR SUMMARY

## WINTER STORMS 2005

### MISSION #6



**Flight ID: N050207**

Sensor or system

INE (for wind derivation)  
Temperature Probe  
Dew Point Probe  
Static Pressure  
Dynamic Pressure  
Attack Angle  
Slip Angle  
Vert. Wind

Number or Name

VEW\_PITR, VNS\_PITR  
AT1  
DPRC  
PS1C  
QC1C  
AKRD2  
SSRD1  
PALT

**Notes:**

There were no data gaps.

The Aeronomy Lab's Ozone operated optimally for the entire mission.

TT1 was 1 degree C cooler than TT3 and TT4 at altitude.

All other instruments worked optimally during the flight.

|                          | <b>Takeoff</b>   | <b>Landing</b>           |
|--------------------------|------------------|--------------------------|
| Aircraft Static Pressure | 1017.1mb         | 1015.1mb                 |
| Corrected Tower Pressure | 1017.8mb         | 1015.4mb                 |
| Flight Director:         | A. Barry Damiano | (813) 828-3310 ext. 3073 |



# N49RF AOC GPS Dropwindsonde Log

Flight ID N4050207

Flight Director 17AMZAWO

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Mission ID 10W5C

Storm TRACKR37

| Drop # | Ground #<br>Source ID | Time<br>(UTC) | Lat<br>(°N) | Lon<br>(°W) | Sfc<br>Pres mb | WX<br>Cond. | Comments | OB #   | SatComm<br>Failures | Sent<br>Time |
|--------|-----------------------|---------------|-------------|-------------|----------------|-------------|----------|--------|---------------------|--------------|
| 1      | 042715112             | 214047        | 3145        | 15315       | 1022.9         | CLR/BKN AG  | 17       | 165954 | 2                   | 2159         |
| 2      | 042715112             | 214047        | 3145        | 15315       | 1022.9         | CLR/BKN AG  | 17       | 165954 | 2                   | 2159         |
| 3      | 042715112             | 214047        | 3145        | 15315       | 1022.9         | CLR/BKN AG  | 17       | 165954 | 2                   | 2159         |
| 4      | 042115137             | 2222254       | 3630        | 15045       | 1023.8         | BKN SC      | 16       | 174654 | 4                   | 2246         |
| 5      | 042115137             | 2222254       | 3630        | 15045       | 1023.8         | BKN SC      | 16       | 174654 | 4                   | 2246         |
| 6      | 042815209             | 230157        | 4014        | 14629       | 1018.9         | OVC SC      | 19       | 182546 | 6                   | 2325         |
| 7      | 042815209             | 230157        | 4014        | 14629       | 1018.9         | OVC SC      | 19       | 182546 | 6                   | 2325         |
| 8      | 042815184             | 233726        | 3943        | 14000       | 1013.4         | OVC SC      | 19       | 190151 | 8                   | 0001         |
| 9      | 042715112             | 235400        | 3945        | 13820       | 1009.8         | OVC SC      | 23       | 193724 | 10                  | 0036         |
| 10     | 042715108             | 001240        | 3514        | 13802       | 1018.0         | CLR/SCCB    | 23       | 193724 | 10                  | 0036         |
| 11     | 042715108             | 001240        | 3514        | 13802       | 1018.0         | CLR/SCCB    | 23       | 193724 | 10                  | 0036         |
| 12     | 042815181             | 005300        | 3100        | 14100       | 1018.9         | CLR/SCCB    | 27       | 201424 | 12                  | 0113         |
| 13     | 042815108             | 011712        | 2950        | 14350       | 1014.8         | CLR/SCCB    | 30       | 203859 | 12                  | 0138         |
| 14     | 042815117             | 014218        | 2815        | 14615       | 1020.4         | CLR/SCCB    | 10       | 210509 | 14                  | 0204         |
| 15     | 042715112             | 020529        | 2400        | 14845       | 1020.7         | CLR/SCCB    | 20       | 212605 | 15                  | 0225         |
| 16     | 042715110             | 022842        | 2545        | 15115       | 1019.5         | SCCB        | 18       | 215052 | 16                  | 0249         |



10WSC TRACKP37

WSRP37

Departure: Honolulu

Arrival: Honolulu

ETE = 7+36

| CLUTS          | Intersection                 |
|----------------|------------------------------|
| Drop Turn 1    | <del>25 45N 151 15W 16</del> |
| Drop 2         | <del>27 00N 148 45W 15</del> |
| Drop 3         | <del>28 15N 146 15W 14</del> |
| Drop Turn 4    | <del>29 30N 143 30W 13</del> |
| Drop Turn 5    | <del>31 00N 141 00W 12</del> |
| Drop Turn 6    | <del>33 00N 139 15W 11</del> |
| Drop Turn 7    | <del>35 15N 138 00W 10</del> |
| Drop Turn 8    | <del>37 45N 138 30W 9</del>  |
| Drop Turn 9 CP | <del>39 45N 140 00W 8</del>  |
| Drop Turn 10   | <del>40 15N 143 15W 7</del>  |
| Drop Turn 11   | <del>40 15N 146 30W 6</del>  |
| Drop Turn 12   | <del>38 30N 149 00W 5</del>  |
| Drop Turn 13   | <del>36 30N 150 45W 4</del>  |
| Drop Turn 14   | <del>34 15N 152 15W 3</del>  |
| Drop 15        | <del>31 45N 153 15W 2</del>  |
| Drop Turn 16   | <del>29 15N 154 15W 1</del>  |
| APACK          | Intersection                 |