

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

AOCWF-1

|                          |                             |                             |
|--------------------------|-----------------------------|-----------------------------|
| Flt ID: <b>N050204</b>   | From: <b>PHNL</b>           | To: <b>PHNL</b>             |
| Flt No: <b>05-45</b>     | Blk In: <b>0327z</b>        | ATA: <b>0321z</b>           |
| ETD: <b>2000z</b>        | Blk Out: <b>1948z</b>       | ATD: <b>2001z</b>           |
| ETE:                     | Blk Time: <b>7:39 (7.7)</b> | Flt Time: <b>7:20 (7.3)</b> |
| Sponsor Org: <b>NCEP</b> | Program: <b>WS 2005</b>     | Purpose: <b>TRACK 56</b>    |

## AOC Personnel

|                    |                                  |
|--------------------|----------------------------------|
| AC: <b>POSTON</b>  | Sys Eng:                         |
| CP: <b>ODELL</b>   | Data Sys: <b>HORN BROOK</b>      |
| Nav:               | Radar:                           |
| FE: <b>KITSON</b>  | GPS/BT: <b>BROGAN</b>            |
| FD: <b>DAMIANO</b> | <del>GPS/BT</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 #)

22 19 2976

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AOCWF2

Flt ID: **N050204** Time Off: **2001Z** Time On: **0321Z**

|          | A/C (Take Off) | Wx Station (Take Off) | A/C (Land)             | Wx Station (Land)     |
|----------|----------------|-----------------------|------------------------|-----------------------|
| Pressure | <b>1006.4</b>  | <b>29.79 / 1005.6</b> | <b>1004.0 / 1005.4</b> | <b>29.71 / 1005.6</b> |

|                     | Number    | Data Disposition / Date / Quality                                              |
|---------------------|-----------|--------------------------------------------------------------------------------|
| Flt Lvl Tapes       | <b>1</b>  |                                                                                |
| Radar Tapes         |           |                                                                                |
| Cloud Physics Tapes |           |                                                                                |
| Video Tapes         |           |                                                                                |
| AXBT                |           |                                                                                |
| AXCP                |           |                                                                                |
| AXCTD               |           |                                                                                |
| Dropsondes          | <b>18</b> | <b>16 good; 1 no launch detect; 1 no winds<br/>16 messages xmitted to NCEP</b> |

## Video

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

Remarks: **1953Z 23 19** **03Z up/downs Turb**208 120/04 626 036  
29.71



# NOAA G-IV ERROR SUMMARY

## WINTER STORMS 2005

### MISSION #4



**Flight ID: N050204**

| <u>Sensor or system</u>   | <u>Number or Name</u> |
|---------------------------|-----------------------|
| INE (for wind derivation) | VEW_PITR, VNS_PITR    |
| Accelerometer             | ACINS_PITR            |
| Temperature Probe         | AT1                   |
| Dew Point Probe           | DPRC                  |
| Static Pressure           | PS1C                  |
| Dynamic Pressure          | QC1C                  |
| Attack Angle              | AKRD2                 |
| Slip Angle                | SSRD1                 |
| Vert. Wind                | PALT                  |
| Constants File            | 49cal041              |
| Project Directory         | /proj/501             |

Local surface observation not current or unavailable.

Notes:

There were no data gaps.

PS2M experienced some problems so it was not selected.

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 | 1006.4mb       | 1004.0mb       |
| Corrected Tower Pressure | 1005.6mb       | 1005.6mb       |

Flight Director:

A. Barry Damiano (813) 828-3310 ext. 3073

# N49RF AOC GPS Dropwindsonde Log

Flight ID 0 N050204 Flight Director D AnnDmo Page 1 of 1

Mission ID 05 WSC Storm TRACKR56

| Drop # | Comment #<br>Sonde ID | Time<br>(UTC) | Lat<br>(°N) | Lon<br>(°W) | Sfc<br>Pres mb | WX<br>Cond.   | Comments<br>W5 (5) kW/gc | OB # | SatComm<br>Failures | Sent<br>Time |
|--------|-----------------------|---------------|-------------|-------------|----------------|---------------|--------------------------|------|---------------------|--------------|
| 1      | 043845074             | 210349        | 29°50'      | 153°56'     | 1016.5         | THN CIR       | 30.5 160940              | 1    | 1                   | 2128         |
| 2      | 032815007             | 212442        | 29°50'      | 153°56'     | 1016.5         | THN CIR/SC    | 19. 165212               | 2    | 11                  | 2151         |
| 3      | 041724010             | 214508        | 32°03'      | 152°30'     | 1014.8         | CLR/SC        | 19 170931                | 3    | —                   | 2209         |
| 4      | 042115009             | 220508        | 34°16'      | 151°05'     | 1012.8         | THN CIR/c8-SC | 22 173010                | 4    | —                   | 2229         |
| 5      | 041345188             | 222508        | 36°30'      | 149°35'     | 1019.0         | THN CIR       | 38 175947                | 5    | 11                  | 2258         |
| 6      | 044245085             | 224430        | 38°41'      | 148°08'     | 1024.1         | THN CIR/CLR   | 26 181029                | 6    | —                   | 2309         |
| 7      | 04092042              | 230502        | 41°07'      | 147°03'     | 1027.6         | THN CIR/SC    | 17 183851                | 7    | 111                 | 2338         |
| 8      | 042115025             | 232556        | 43°22'      | 148°06'     | 1029.0         | THN CIR/SC    | 18 184739                | 8    | —                   | 2346         |
| 9      | 032815004             | 234908        | 44°48'      | 150°55'     | 1025.3         | THN CIR       | 24 190756                | 9    | —                   | 2309         |
| 10     | 043625099             | 001112        | 43°09'      | 153°26'     | 1025.1         | THN CIR       | 13 193604                | 10   | 11                  | 0035         |
| 11     | 041715005             | 003213        | 40°41'      | 159°11'     | 1025.6         | THN CIR/SC    | 22 195950                | 11   | —                   | 0058         |
| 12     | 043625082             | 005222        | 38°12'      | 154°43'     | 1021.2         | THN CIR       | 58 202240                | 12   | 1                   | 0121         |
| 13     | 043625077             | 011154        | 35°45'      | 155°18'     | —              | THN CIR       | —                        | —    | —                   | —            |
| 14     | 043845081             | 011311        | 35°33'      | 155°20'     | 1018.0         | THN CIR       | NO WINDS                 | —    | —                   | —            |
| 15     | 043625072             | 011502        | 35°19'      | 155°23'     | 1018.1         | THN CIR       | 17 203910                | 13   | —                   | 0138         |
| 16     | 043845011             | 013130        | 33°14'      | 155°50'     | 1016.7         | THN CIR       | 26 205656                | 14   | —                   | 0156         |
| 17     | 043625080             | 015108        | 30°44'      | 156°22'     | 1015.6         | THN CIR       | 9 211404                 | 15   | 11                  | 0217         |
| 18     | 043625115             | 021027        | 28°16'      | 156°56'     | 1014.0         | SET SC        | 18 213138                | 16   | —                   | 0230         |

200046

Start up time  
180122