

122-  
26.3 81.2



# N49RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm WILMA Dropwindsonde Scientists Stan Goldenberg Page 1 of 2  
 Flight ID 051024N Flight Director Berry Damiano Takeoff from IPA at 052201 UTC  
 Mission ID 2624A AVAPS Operators Jeff Smith, John Hill, Jim Role Recovery at IPA at 1246 UTC

| Drop # | Sonde ID # | Time (UTC) | Lat (°N) | Lon (°W) | Surface Pressure (mb) | Wind closest to surface dir/spd (kt) | hgt (m) | DLM wind (kt) | Comments                                                                    | Processed  | SATCOM tries | Ob #    |
|--------|------------|------------|----------|----------|-----------------------|--------------------------------------|---------|---------------|-----------------------------------------------------------------------------|------------|--------------|---------|
|        |            |            |          |          |                       |                                      |         |               | (RH heating cycles except as noted)                                         |            |              |         |
| 01     | 032418052  | 055835     | 29.10    | 78.08    | 1004.1                | 154°/14                              | 7       | 200/35        | ch2 time 0558 → 0600                                                        | ✓          |              | 01      |
| 02     | 044535044  | 061422     | 31.03    | 78.89    | 1005.1                | 81°/16                               | 7       | 215/36        | major wind shift at 5fc                                                     | ✓          |              | 02      |
| 03     | 032345166  | 062727     | 31.84    | 76.93    | 1006.0                | 88°/14                               | 5       | 215/35        |                                                                             | ✓          |              | 03      |
| 04     | 051926156  | 064402     | 30.08    | 75.88    | 1005.2                | 144°/10                              | 4       | 215/33        | very strong updraft<br>may be hit cell at ~650mb                            | ✓          |              | 04      |
| 04B    | 051946023  | 064822     | 30.37    | 75.27    | 1006.5                | 148°/16                              | 8       | 215/34        | heaters off<br>not really needed                                            | ✗ Not Sent |              | ✗ rhtx  |
| 05     | 032418015  | 065709     | 30.89    | 73.99    | 1006.4                | 159°/16                              | 7       | 220/36        | Heaters off                                                                 | ✓          |              | 05 rhtx |
| 06     | 033418048  | 071401     | 28.95    | 73.04    |                       |                                      |         |               | NO WINDS                                                                    |            |              |         |
| 06B    | 051926127  | 071552     | 28.75    | 73.13    | 1007.1                | 147°/16                              | 8       | 205/29        | Heaters off                                                                 | ✓          |              | 06 rhtx |
| 07     | 044535153  | 073201     | 26.99    | 73.96    | 1006.2                | 142°/16                              | 7       | 185/27        | Heaters off                                                                 | ✓          |              | 07 rhtx |
| 08     | 033518044  | 074924     | 25.02    | 73.17    | 1006.3                | 110°/06                              | 5       | 165/25        |                                                                             | ✓          |              | 08 ✓    |
| 09     | 032418049  | 080311     | 25.09    | 75.03    | 1004.6                | 152°/17                              | 4       | 190/20        |                                                                             | ✓          |              | 09      |
| 10     | 051926130  | 081906     | 26.83    | 76.05    | 1003.9                | 160°/17                              | 4       | 190/32        | RH bad for last few mins - used data from other<br>throw out last rh values | ✓          |              | 10      |
| 11     | 053416338  | 083549     | 25.10    | 77.05    | 1003.0                | 160°/25                              | 32      | 195/36        | rev f-UBLOX sonde; heaters off                                              | ✓          |              | 11 rhtx |
| 12     | 053416017  | 085046     | 26.17    | 78.61    | 999.0                 | 142°/27                              | 33      | 190/48        | rev f-UBLOX sonde                                                           | ✓          |              | 12      |
| 13     | 044535154  | 090525     | 24.51    | 79.21    | 997.9                 | 159°/41                              | 5       | 205/55        |                                                                             | ✓          |              | 13      |
| 14     | 033418037  | 092042     | 23.49    | 80.76    | 996.16                | 200°/31                              | 5       | 230/62        |                                                                             | ✓          |              | 14      |
| 15     | 041345062  | 093541     | 23.51    | 82.61    | 995.9                 | 267°/41                              | 6       | 215/57        | rh = 0                                                                      | ✓          |              | 15      |

