

M BLACK VIA GAMACHE

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm A. SANDY Dropwindsonde Scientists J. SMITH & NEWMAN Page 1 of
 Flight ID 12102742 Flight Director J. WILLIAMS Takeoff from MACDILL at 2000²⁹ UTC
 Mission ID 1718A SANDY AVAPS Operators J. SMITH, NEWMAN Recovery at MACDILL at 0316 UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd (kt)	hgt (m)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
1		212448	29° 2'	75° 0'						IP S of center	07
2		213530	29 53	75 0						MID POINT S of center	08
3		2140	30 11	75 9						G MID POINT N of center	09
4		2152	31 1	75 1						MID POINT N of center	10
5		220350	31 49	75 70						② N of center	11
6		2247	30 25	75 53						③	
6		2231								③	12
7		2247	30 25	75 53						MID POINT W SIDE	13
8		2258	30 24	74 58						9	14
9		2312	30 24	73 52						MID POINT	19
10		2320	30 23	73 8						④ EAST OF CENTER	20
11		2337	31 37	73 37						⑤ NE OF CENTER	21
12		23 40	31 0	74 7						MID POINT	22
13		2359	30 31	74 46						9	23
14		0010	29 55	75 27						MID POINT	25
15		00 21	29 22	76 5						⑥ SW POINT	26
16		00 52 11	29 38	73 12						⑦ SE POINT	27
17		01 04	30 16	73 58						MID POINT	30
18		01 14	30 35	74 37						9	31

BT 26°C
BT 25°C

REVERSE SIDE

Dropsonde Scientist

Flight ID _____ Storm _____ Dropsonde Scientist _____

The lead project scientist (LPS) on the P3 is responsible for determining the distribution patterns for dropwindsonde releases. Predetermined desired data collection patterns are illustrated on the flight patterns. However, these patterns often are required to be altered because of clearance problems, etc. Operational procedures are contained in the operator's manual. On the G-IV the sole HRD person is designated the LPS. The following list contains more general supplementary procedures to be followed. (Check off or initial.)

Preflight

- _____ 1. Determine the status of the AVAPS and dropsonde workstation. Report to the LPS.
- _____ 2. Confirm the mission and pattern selection with the LPS and assure that enough dropsondes are on board the aircraft.
- _____ 3. Modify the flight pattern or drop locations if requested by AOC to accommodate changes in storm location or closeness to land.
- _____ 4. Complete the appropriate preflight set-up and checklists.

In-Flight

- _____ 1. Operate the system as specified in the operator's manual.
- _____ 2. Ensure the AOC flight director is aware of upcoming drops.
- _____ 3. Ensure the AVAPS operator has determined that the dropsonde is (or is not) transmitting a good signal. Recommend if a backup dropsonde should be launched in case of failure.
- _____ 4. Report the transmission of each drop and fill in the Dropwindsonde Scientist Log.

Post flight

- _____ 1. Complete Dropwindsonde Scientist Log.
- _____ 2. Download all dropsonde data to a thumbdrive.
- _____ 2. Brief the LPS on equipment status and turn in completed forms and thumbdrives
- _____ 4. Debrief at the base of operations.
- _____ 5. Determine the status of future missions and notify HFP Director as to where you can be contacted.

19 0126 MID POINT [32]
NW

20 0141 3146 769 NW POINT [33]

21 0146 322 7627 [34]