

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

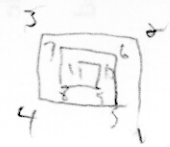
Storm 4/Gabriele Dropwindsonde Scientists Ciore Page      of     

Flight ID 130907H2 Flight Director Henry Takeoff from S. Croix at 15:15 UTC

Mission ID 1852AGabriele AVAPS Operators      Recovery at      at      UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind closest to surface dir/spd hgt (kt) (m)	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
1	112115344	16:07	20°32'	67°0'	1013.1	167/6	10 28.9		"Pt 1" MLD ~ 50m	01
2	112115304	16:50	20°41'	67°0'	1012.9	205/6	10 28.9		"Pt 2" MLD ~ 40m	02
3	112115363	17:22	20°30'	70°31'	1010.9	05/06	10 29.3		"Pt 3" MLD ~ 40m	03
4	132235357	18:17	20°29'	70°29'	1010.9	310/09	10 28.7		"Pt 4" MLD 51m	04
5	132235366	18:42	20°29'	69°30'	1013.2	145/08	10 -		"Pt 5" MLD 40m	05
6	132235384	19:21	20°32'	67°30'	1012.7	-	28.5		6 MLD 48m	06
7	132235290	19:52	20°30'	69°58'	1010.7	355/04	10 29.5		7 MLD 46m	07
8	132235372	20:13	20°59'	70°0'	1011.9	305/04	10 29.9		8 MLD 48m	08
8a	132235310	20:26	21°01'	69°04'	1011.2	205/09	10 28.8		8a MLD 45m	09
9	132235305	20:42	21°09'	68°00'	1012.9	NA	10 29.9		Point 9 MLD 49	10
10	132235370	20:55	22°02'	68°00'	1011.9	170/28	10 28.5		Point 10 MLD 51	11
11	132235373	21:15	21°9'4"	69°50'	1010.1	220/11	10 28.8			12

29.8  
50M



**Dropsonde Scientist**

**Flight ID** Storm **Dropsonde Scientist** Storm

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 HAPS or workstation. Report results 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. Brief the LPS on equipment status and turn in completed forms, dropwindsonde data tapes, DVDs, or CDs.  
[Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
4. Debrief at the base of operations.
5. Determine the status of future missions and notify MGOC as to where you can be contacted.

7  
7  
8

13  
3.5  
2.5

5/1  
3/11