## **Dropsonde Scientist**

Flight ID _	101104H1 Mission ID 1721A TOMA									
Dropsonde	Scientists B. KLOTZ									
AVAPS Op	erators WARNECKE; OLNEY									
patterns for illustrated or problems, et sole HRD	d Project Scientist (LPS) on the P3 is responsible for determining the distribution dropwindsonde releases. Predetermined desired data collection patterns are in the flight patterns. However, these patterns are often altered because of clearance in the coperational procedures are contained in the operator's manual. On the G-IV the person is designated the LPS. The following list contains more general ary procedures to be followed. (Check off or initial.)									
Preflight										
<u>BK</u> 1.	Determine the status of the AVAPS and HAPS or workstation. Report results the LPS.									
BK 2.	Confirm the mission and pattern selection with the LPS and assure that enough dropsondes are on board the aircraft.									
<u>BK</u> 3.	Modify the flight pattern or drop locations if requested by AOC to accommodate changes in storm location or closeness to land.									
BK 4.	Complete the appropriate preflight set-up and checklists.									
In-Flight										
BK1.	Operate the system as specified in the operator's manual.									
BK 2.	Ensure the AOC flight director is aware of upcoming drops.									
BK-3.	3. Ensure the AVAPS operator has determined that the dropsonde is (or is transmitting a good signal. Recommend if a backup dropsonde should launched in case of failure.									
BK 4.	Report the transmission of each drop and fill in the Dropwindsonde Scientist Log.									
Post flight										
BK1.	Complete Dropwindsonde Scientist Log.									
BK 2.	Brief the LPS on equipment status and turn in completed forms, dropwindsonded data tapes, DVDs, or CDs.  [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]									
D/ 4.	Debrief at the base of operations.									
BK 5.	Determine the status of future missions and notify MGOC as to where you can be contacted.									

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

	Storm_	TSTOMAS	Dropwin	dsonde S	cientist	B.	KLOTZ			Page	1 of 1		
		ID 101104H							т	akeoff from St. Cruix at			
Mission ID 17214 TomAS AVAPS Operators WARNECKE; OLNEY Recovery at St. Croix at 0255 UT													
	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 #		
V	1	094735276	220409	16.70	74.48	1001.1	37/147 6.7	4		scattered echoes	017		
	2	094735536	224337	16.63	77.17	1001.8	17/3406.4	S		no echoe's	023		
1	3	094735016									026		
1	4	100145050								estimated center	031		
1	5	694615116	234158	18.11	74.71	1003.4	29/098 5.8	?			034		
1	6	093736208	<b>CONTRACTOR STATE</b>	PROCESS DESCRIPTION DE L'AUTORISES	RESPONSE AND ADDRESS OF THE PARTY OF THE PAR		CONTRACTOR AND ADDRESS OF THE PARTY OF THE P			estimated exitor	036		
1	7	100145112								estimated center	638		
1	8	094355066	003811	15.48	75.17	1002,9	23/189 7.7				043		
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