## **Dropsonde Scientist**

Flight	ID_	2020(0051) Storm DELTA Mission ID 0126A											
Drops	onde	Scientists											
AVAF	PS Op	perators											
pattern illustra proble sole I	ns for ated o ms, e HRD	d Project Scientist (LPS) on the P3 is responsible for determining the distribution of dropwindsonde releases. Predetermined desired data collection patterns are not the flight patterns. However, these patterns are often altered because of clearance to. Operational 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.)											
Preflig	ght												
	1.	Determine the status of the AVAPS and 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-Flig	ght												
	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 fl	ight												
	1	Complete Dropwindsonde Scientist Log.											
	2.	Download all raw and processed AVAPS files to thumbdrive											
	3.	Brief the LPS on equipment status and turn in completed forms and thumbdrive.											
	4	Debrief at the base of operations.											
	5.	Determine the status of future missions and notify Field Program Director as to where you can be contacted.											

## NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019)

Storm

Flight ID Mission ID OVA A (exp. 0213A) Dropsonde Scientist Dropsonde Scientist

AVAPS Operator AVAPS Operator

Page#

Drop	2 1 12	Time	Lat	Long	Sfc Pressure	Wind closest to		SST	EyeEyewall,	Ob
#	Sonde ID	UTC	(M)/s)	(°E/W)	(mb)	Dir/Spd (deg/kt)	Hgt (m)	(C)	Rainband,etc,	#
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Drop #	Sonde ID	Time UTC	Lat (°N/S)	Long (°E/W)	Sfc Pressure (mb)	Wind close Dir/Spd (deg/kt)	st to Hgt (m)	SST (°C)	EyeEyewall, Rainband,etc,	C		
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Storm Mission ID Flight ID (exp. 0213A) Dropsonde Scientist Dropsonde Scientist AVAPS Operator AVAPS Operator

Page#

Drop	Sonde ID	Time	Lat (°N/S)	Long (°E/W)	Sfc Pressure (mb)	Wind closest to		SST	EyeEyewall,	Ob
. #		UTC				Dir/Spd (deg/kt)	Hgt . (m)	(C)	Rainband,etc,	#
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