205651 Take of from Laterard

## **Dropsonde Scientist**

Flight ID	20190829H2 Storm Donas Mission ID 1505A
Dropsonde	Scientists Settwood
AVAPS OF	perators
patterns for illustrated of problems, e sole HRD	and Project Scientist (LPS) on the P3 is responsible for determining the distribution of dropwindsonde releases. Predetermined desired data collection patterns are in 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.)
Preflight	
D/	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-Flight	
D X.	Operate the system as specified in the operator's manual.
1 x.	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.
1/2.	Download all raw and processed AVAPS files to thumbdrive
Ø/3.	Brief the LPS on equipment status and turn in completed forms and thumbdrive.
DI A.	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.

Drop #	Sonde ID	Time UTC	Lat <sup>©</sup> (°N/S)	Long (°E/W)	Sfc Pressure (mb)	Wind closes Dir/Spd (deg/kt)	Hgt	SST (°C)	EyeEyewall, Rainband,etc,	Ol #
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10	182971364	130	2215	92x	1013	346/15	10		BND	12



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

Storm Mission ID Flight ID (exp. 0213A) Dropsonde Scientist Dropsonde Scientist AVAPS Operator AVAPS Operator

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