## **Dropsonde Scientist**

Flight ID	96961H1 Storm DORIAN Mission ID 3908A
Dropsonde	Scientists Brittany Date Jon Zawislak
AVAPS O	perators Jue Greene
patterns for illustrated of problems, e sole HRD	and Project Scientist (LPS) on the P3 is responsible for determining the distribution or dropwindsonde releases. Predetermined desired data collection patterns are on the flight patterns. However, these patterns are often altered because of clearance etc. 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 tary procedures to be followed. (Check off or initial.)
Preflight	
□ 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-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 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

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

Drop		Time	Lat (°N/S)		cientist J Zawislak A  Long, DW Stolpressure		to	SST	EyeEyewall,	Ob
#	Sonde ID	UTC		(°E/W)	(mb)	Dir/Spd (deg/kt)	Hgt (m)	(c)	Rainband,etc,	#
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NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019) Flight 10 190901H/ **AVAPS Operator Dropsonde Scientist** Storm **AVAPS Operator Dropsonde Scientist** Mission ID (exp. 0213A) Wind closest to SST Ob Drop Time Lat Long **Sfc Pressure** EveEvewall. Sonde ID Dir/Spd (deg/kt) Hgt UTC (C) Rainband, etc, # (°N/S) (°E/W) (mb) (m) 21 1432 24,96 100/47 1002 Comments mid X12 105/56 994 26:77 76,41 1434. 11/2/2 7 Comments 26.64 15 EYEWALL 1440. 9107 090/131 76,58 Mag launch TH. Keep 206.75 hird, t=193.25-199.0 NE Comments WW 14 1441 BAD sonde no launch detact Comments mw Comments 76.78 913 005/20 15 24.50 Comments ctr 935 V111 26.43 14.86 245/157 3 aunch TH Plan Comments mw 30 250/106 EYEWALL 76.88 17 953 24,40 1 last report Comments SW VWW 1456 25,86 1004 300/38 18 77,46 Comments wid Silar

948

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151330 26,32

Inbound S RMW

Comments

185/80

EYEWALL

NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019)
Flight ID 19901+1 Dropsonde Scientist AVAPS Operator

Storm Mission ID (exp. 0213A)

Dropsonde Scientist Dropsonde Scientist

AVAPS Operator AVAPS Operator

Drop	(exp. 0213A)	Time	Lat	Long	Sfc Pressure	Wind closest to		SST	EyeEyewall,	Ob
#	Sonde ID	UTC	(°N/S)	(°E/W)	(mb)	Dir/Spd (deg/kt)	Hgt (m)	(C)	Rainband,etc,	#
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125		151918	26,70	76.20	102	035/145	20	2	EYEWALL	22
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NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019)

Drop #	Sonde ID	Time UTC	Lat (°N/S)	Long (°E/W)	Sfc Pressure (mb)	Wind close Dir/Spd (deg/kt)	est to Hgt	SST	EyeEyewall, Rainband,etc,	0
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