		Dropsonde Scientist	
Flight ID 209090	2172	storm Porian	Mission ID 3405A
Dropsonde Scientists	Sall	wood .	
AVAPS Operators	ma	c/ToddR.	

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 are often 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

- 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.
  - 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 where you can be contacted.

Take off 2005 Land USAM LL NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019) mac Dropsonde Scientist Schoood AVAPS Operator Storm 2019 ON HARlight ID 3405A TUEL OL R Page# **Dropsonde Scientist AVAPS** Operator Mission ID (exp. 0213A) Wind closest to Drop Time Lat SST Ob Long Sfc Pressure EyeEyewall, Sonde ID Dir/Spd (deg/kt) Hgt UTC (°N/S) Rainband, etc, (°E/W) (mb) PC) # (m) 79.40 24.8 997 2 191050431 LOYS midlw 125 37 10 Comments LLD 1851308722116 26.86 7745 996 Mid (E) 125/53 12 3 Comments end at 208.75 135732 3 1910010445 2127 2686 7671 1604 10 EP(W Comments end 230.75 Set dropant ~ 7.70mb EP(N) 85/38 10 185130148 2153 28.37 7825 6 1003 Comments drop I minute before turn LLD ff for Insecs 994 7 midly 5 183331059 2207 2764 7835 75/61 12 Comments end 235.5 8 18513086 2217 27.08 78,39 953 EW(N 65/83 10 6 Comments possible first fall (100 seconds remard while to be sade 2231 2614 78:39 990 235 55 10 Mid (s) 9 84750712 Comments good 191050414 2243 2542 78.39 EP(S) 11 230/39 10 1001 Comments end 239.50 188321167 2258 26.07 7749 EP(SE) 9 200/50 10 1000 Comments Mid (SE) 184 183321076 2304 26.42 7779 993 13 14 D Comments over land at 2034 24.47-80.11 (degmin) # m/S TP

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NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019) Storm 20190900 H2 Flight ID 3405A Mission ID (exp. 0213A) Dorian Dropsonde Scientist Sellwood AVAPS Operator Todal K Dropsonde Scientist AVAPS Operator Mac Page# 2 Wind closest to SST Drop Lat Time Ob Long **Sfc Pressure** EyeEyewall, Sonde ID Dir/Spd (deg/kt) Hgt UTC (°N/S) (°E/W) PC) (mb) Rainband, etc, # (m) 18333 1020 2328 2745 996 905 2 Comments end 232.75 184750581 2338 27.95 7962 1003 25/34 12 Comments end 237.75 999 183331043 0005 24,17 7921 Comments rachally invord of track EP to avoid convention end 229.25 185/20112 0010 2641 7895 990 200/24 12 mid (Su 185/30/12 0010 2641 7895 990 Comments çou. 0021 2086 7836 946 19/050424 Comments Creleel 190.0 183320978 0032 2739 7776 09 Comments All preked UD 97 0033 2 6 2601 Comments 218.50 end 7719 EP(NE) 18 185136644 MOU 0043 2792 110137 Comments 75 212 Erel C Nodale 22 Comments ~135° Post of the stand 229.50 Pho CITC in 30109 module 23 267 7765 124 185 20 ~ 1050 Comments 2 M /5

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

n ID Drop #	Flight ID (exp. 0213A) Sonde ID	Dropsonde Scientist Dropsonde Scientist			AVAPS Operator AVAPS Operator			Page#		
		Time UTC	Lat (°N/S)	Long (°E/W)	Sfc Pressure (mb)	Wind close Dir/Spd (deg/kt)	est to Hgt (m)	SST (°C)	EyeEyewall, Rainband,etc,	
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