	Dropsonde Scientist	
Flight ID $\frac{2O_2}{C}$	282914/ Storm I.da	Mission ID WCOUA
Dropsonde Scientists	Jun Zhang	· · · · · · · · · · · · · · · · · · ·
AVAPS Operators	_Marl	

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

- 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.
  - 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.

NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019) Storm Iela Flight ID 202 0824 Dropsonde Scientist Jun ZNMSAVAPS Operator Page# Dropsonde Scientist -AVAPS Operator Mission ID WCOHA (exp. 0213A) Drop Wind closest to Lat SST Time Ob Long Sfc Pressure EveEvewall, Sonde ID Dir/Spd (deg/kt) Hgt UTC #  $(^{\circ}N/S)$  $(^{\circ}E/W)$ (mb)(C) Rainband,etc, # (m) 0079 88.67 1058.7 29.66 135/42 1836 0 W-E Comments osfal run 1844 29.54 89.24 DCA エイ 0) 10 6 Comments SIX. Carp 3 59.3 1845 5 10044 29.02 P **733.2** 40/471 Comments 75 ding Znel 4 20,507 89,436  $\sim$ 184 501 40 4710 1000 Comments year instand W - F982 907 29.147 90.902 295/4 7000 10 Comments W-3 nm eye vale 91 29,108 91.191 990-7 -10-248 35/58/10 9 Comments Mip after W Mewall and 3 pm ∖*N* ~ 29.15 91.426 948.9 10.5 0357 320/46 1 Comments WI-7 Mid 8 1 1059.9 1924 24 33 335 52 2~ Comments IP for news run W-F End Rolling D 22.22 326 320/28 1054 ~072 24 Comments down inno JAn for Jonin 12 402883 1949 10,5.6 295/25 28.0 13-8-1 306 Primanation Tempo me IP Enel Comments New Mark BT Whenced-mention and Station receivers

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

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