

200010711
 Flight ID ~~200010711~~ Storm ~~013~~ Dropsonde Scientist ~~S. [unclear]~~ *Hazellon*

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 often are required to be 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 HAPS or 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. Brief the LPS on equipment status and turn in completed forms, dropwindsonde data tapes, DVDs, or CDs.
 [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
- 4. Debrief at the base of operations.
- 5. Determine the status of future missions and notify MGOC as to where you can be contacted.

WEIRA

NOAA P-3 GPS Dropwindsonde Scientist Log (MS Word version 2020)

Storm LARRY Flight ID 2040907II Dropsonde Scientist Hazelton AVAPS Operator Warnecke
 Mission ID WEIRA (ex. 0101A) Take Off 1709 UTC Landing _____

Drop #	Sonde ID	Time UTC	Lat (°N/S)	Lon (°E/W)	Sfc Pressure (mb)	Lowest Wind Dir/Spd (deg/kt)	Lowest Wind Hgt (m)	SST (°C)	Eye, Eyewall, Rainband, etc.	Ob #
1	212250283	1922	24.86	56.4	965.1	290/02	10	—	Eye	1
Comments										
2	212250299	2037	24.92	56.17	964.9	275/02	10	—	Eye	3
Comments										
3		2136								
Comments GPS came in late										
4	210550235	2136	25.56	55.15	990.1	120/75	10	—	—	5
Comments Bit of post splash										
5	212810215	2145	25.34	55.68	976.3	120/81	10	—	Eyewall NE	6
Comments Eyewall, bit of post splash										
Comments										
Comments										
Comments										
Comments										
Comments										