Dropsonde Scientist

Flight ID 20108242 **Storm** Fred **Mission ID** 07064

Dropsonde Scientists Sellwood Take off 2005 Land 120

AVAPS Operators Underwood

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

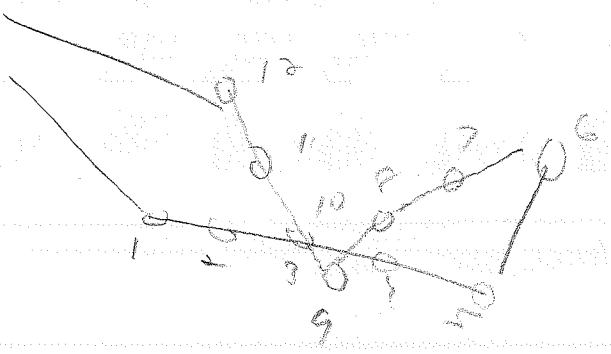
- ☑ 1. Determine the status of the AVAPS and workstation. Report results to the LPS.
- ☑ 2. Confirm the mission and pattern selection with the LPS and assure that enough dropsondes are on board the aircraft.
- ☑ 3. Modify the flight pattern or drop locations if requested by AOC to accommodate changes 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. 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 Fred
Mission ID 07064 (exp. 0213A)
Flight ID 20210812H2
Dropsonde Scientist Selwood
Dropsonde Scientist
AVAPS Operator Underwood
AVAPS Operator
Page# 1

Drop #	Sonde ID	Time UTC	Lat (°N/S)	Long (°E/W)	Sfc Pressure (mb)	Wind closest to		SST (°C)	Eye/Eyewall, Rainband,etc,	Ob #
						Dir/Spd (deg/kt)	Hgt (m)			
1	20231659	2128	22.55	-77.59	1014	050/13	10			1
Comments	IP NW/SE dry < 800mb									
2	20244090	2140	22.11	-76.76	1013	070/17	10			2
Comments	mid inbd									
3	20272620	2152	21.70	-75.99	1012	055/09	10			3
Comments	"center"									
4	20304084	2205	21.20	-75.08	1012	240/07	10			4
Comments	midpoint outbound									
5	20227054S	2219	2073	-74.29	1014	265/9	10			5
Comments	endpoint turn toward SE									
6	~~X~~	2259	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		X
Comments	NLD									
7	20272608	2300	22.84	-73.84	1015	105/27	10			6
Comments	end NE									
8	20304019	2313	2202	-74.46	1015	115/29	12			7
Comments	mid NE/SW									
9	20272606	2328	21.13	-75.10	1012	205/27	10			8
Comments	near estimated center location (45 LLD)									
10	20304088	2340	21.56	-75.71	1013	090/21	10			9
Comments	midpoint outbound									

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						Dir/Spd (deg/kt)	Hgt (m)			
11	20291025	2355	22.54	-76.31	1015	075/20				10
Comments	Endpoint before RTB last report (ended 326.25)									
Comments										
Comments										
Comments										
Comments										
Comments										
Comments										
Comments										
Comments										
Comments										
Comments										

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

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Comments										
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