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

Flight ID__20210609H1_____Storm__Ana_____Dropsonde Scientist___Sellwood_____

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 tbe 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.

Storm Fred Flight ID 202108131 Dropsonde Scientist Xueqin Zhang AVAPS Operator Warnecke

Mission ID 0906AFred (ex. 0101A) Take Off 080257 Landing 124800

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 #
	20291037B	092407	22.78	-78.56	1012.8	86.8/75.15	10		~~post-splash~~	1
Comments	post-splash									
	20231 1650	093608	22.78	-77.75	1017.9	278/19	10			2
Comments										
	20324 0923	095148	22.16	-76.73	1013.0	165/18	10		~~post-splash~~	3
Comments	post-splash									
	2029 40302	100158	21.91	-76.08	1013.2	160/20	10			4
Comments										
	20291037B	100754	21.75	-75.69	1014.1	155/27	12			5
Comments										
	20291040 4	101628	21.53	-75.12	1013.7	145/11	10			6
Comments										
	20291039 3	103558	22.89	-75.30	1015.4	140/19	10			7
Comments										
	2027216 07	104750	22.50 ~~22.99~~	-76.11	1014.7	115/16	10			8
Comments										
	20331048 3	110519	21.89	-77.30	1012.6	185/11	10			9
Comments										
	20304092 4	112300	23.10	-77.11	1014.5	100/20	10			10
Comments										

Storm Fred Flight ID 20210813H1 Dropsonde Scientist Xuejin Zhang AVAPS Operator Warneke

Mission ID 0906A Fred (ex. 0101A) Take Off 080757 Landing 122800

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 #
	20272160S	113411	23.91	-77.05	1015.3	070/21	10			
Comments	Last Sond.									
Comments										
Comments										
Comments										
Comments										
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