

Take off - 20:05:01
Land 0147 25

Dropsonde Scientist

Flight ID 20190710H1 Storm POTCO Mission ID 02B0A

Dropsonde Scientists Sellwood

AVAPS Operators Wurmel (AVAPS Primary going to 20150710H1)

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

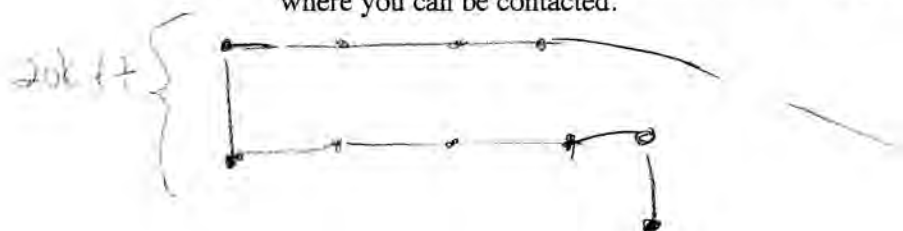
1. Determine the status of the AVAPS and workstation. Report results to the LPS.
2. Confirm the mission and pattern selection with the LPS and assure that enough dropsondes are on board the aircraft.
3. Modify the flight pattern or drop locations if requested by AOC to accommodate changes in storm location 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 **PTC2**

Flight ID **2090710H1**
Mission ID **0205A** (exp. 0213A)

Dropsonde Scientist **Sellwood**
Dropsonde Scientist

AVAPS Operator **Warneke**
AVAPS Operator

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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	190140152	2037	29.6	84.51	1012.3	170/11	10			1
Comments removed 1st 10s of lat/lon + fl RH										
2	190140289	2051	29.8	85.91	1012.0	120/12	10			2
Comments set end time to 544.50 removed fl RH										
3	190140301	2104	29.89	87.31	1011.7	08/09	10			3
Comments removed fl RH → reconfig to ignore in main Tabs + 1st 7s lat/lon										
4	190140109	2114	29.92	88.53	1011.2	07/09	10			4
Comments										
5	190140107	2142	29.0	88.88	1010.4	033/19	10			5
Comments X FLRH										
6	190140112	2148	29.0	88.39	1010.0	005/13	10			6
Comments end 546.50										
7	190140108	2202	29.0	87.09	1011.1	006/07	10			7
Comments end 552.0										
8	190140419	2217	29.0	85.79	1011.2	135/09	10			8
Comments end 538.25										
9	190140305	2231	29.01	84.49	1012.8	165/11	10			9
Comments end 547.50										
10	190140156	2245	27.99	84.48	1013.2	185/19	12			10
Comments										

23 185140518 0113 27.00 84.47 1012.9 200/15 10 21 (last)

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119 105T

Storm
Mission ID

Flight ID
(exp. 0213A)

Dropsonde Scientist
Dropsonde Scientist

AVAPS Operator
AVAPS Operator

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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)			
11	190140420	2259	28.02	85.76	1011.7	170/20	12			11 ✓
Comments										
12	190140154	2313	28.04	87.04	1009.5	275/02	10			12 ✓
Comments										
13	19020266	2327	28.12	88.28	1010.2	015/12	12			13 ✓
Comments										
14	190140055	2342	28.00	89.76	1010.5	345/22	10	30.0	Comiso	14 ✓
Comments										
15	190140111	2348	28.00	90.32	1011.5	350/09	10	30.0		15 ✓
Comments										
16	190140106	2354	27.57	90.24	1010.8	325/11	10			16 ✓
Comments										
17	190950934	2358	27.20	90.18	1011.4	335/19	10			17 ✓
Comments										
18	190140114	0004								18
Comments										
19	182630097	0013	26.98	89.46	1011.4	340/13	10			18
Comments										
20	182630090	0025								X
Comments										

reel 456-605

21	182530336(0041)	27.47	87.01	1010.5	185/19	12				19
Comments										
22	182650089 (0059)	26.99	85.69	1011.7	180/18	10				20
Comments										