

Take off 1427 Barbados Dropsonde Scientist Lamuel

Flight ID 20190921H Storm Lorenzo Mission ID WF13A

Dropsonde Scientists Sellwood

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.

Lorenzo

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

Storm ID *20A025H1*

Flight ID *AL102*

Dropsonde Scientist *Schwartz*

AVAPS Operator *Underswood*

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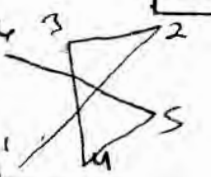
Mission ID

(exp. 0213A)

Dropsonde Scientist

AVAPS Operator

Drop #	Sonde ID	Time UTC	Lat (°N/S)	Long (°E/W)	Sfc Pressure (mb)	Wind closest to		SST (°C)	Eye/Eyewall, Rainband, etc.	Obs #
						Dir/Spd (deg/kt)	Hgt (m)			
1	185050642	1759	26.04	-45.11	974	315/45	10		IPSW	1
Comments										
2	185140154	1810	26.41	-44.40	951	175/14	10		Center	2
Comments										
3	190950410	181335	26.54	-44.16	960	113/38*	14	EWNE	RMW	3
Comments										
4	185130764	181400	26.56	-44.13	963	131/37*	20	EWNE	RMW	4
Comments <i>end 20675</i>										
5	190950402	181837	26.68	-43.83	974	135/78	10		Band	5
Comments <i>Aspen did not remove lat/long with no sets manually removed</i>										
4	150845214	1822	26.86	-43.57	983	120/53	12		mini	X
Comments										
7	170140120	182500	22.92	-43.36	985	115/63	10		EP NE	6
Comments <i>LLD 26.9202 -45.3651</i>										
8	190140231	184051	27.16	-44.42	978	060/80	10		EPN	7
Comments										
9	190140128	184738	26.72	-44.38	957	080/55	10	EW	RMW	8
Comments										
10	190140110	184820	26.69	-44.38	954	80/60	10	EW	RMW	9
Comments										



* = m/s

center 185127 second pass

21.25
28.25

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

Storm LORENZO

Flight ID AL13/LORENZO

Dropsonde Scientist SEUWOOD

AVAPS Operator UNDERWOOD

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Mission ID 20190929H (exp. 0213A) WF13A

Dropsonde Scientist

AVAPS Operator

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	185150316	190844	25.42	-44.37	985	230/61	10		EPS	10
Comments end 229.75										
12	18515	1914	25.61	-44.01	983	208/22	13		Nesdis	X
Comments LLD 19141475 new (19143125 old) 25.610332 -44.006512 End 212.50 DWL ESE										
13	185150928	1919	25.97	-45.61	982	188/41	13		Nesdis	11
Comments end 218.25 ESE PWL + EP										
14	190140102	1925	26.29	-45.66	974	170/82	10		Nesdis	12
Comments ESE Band										
15	190140153	1928	26.37	-45.86	968	165/87	12	ESE	Rmn	13
Comments										
16	190140119	1948	26.93	-45.20	983	10/39	14		Nesdis	14
Comments NW Band										
17	190140117	1956	27.15	-45.72	992	025/49	10	NW	EP	15
Comments										
Comments										
Comments										
Comments										

also slow track →
e.g. 20825

Center pass #3 193602