Dropsonde Scientist

Flight ID ZO180910H Storm_	Florence	Dropsonde Scientist_	Holbach
The lead project scientist (LPS) on the P3 is rest	ponsible for determining	the distribution

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.

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Flight ID 20180910 H Flight Director HO Mes Takeoff from BOA at 1322 UTC Mission ID WCOGA AVAPS Operators Underwood Recovery at STX at 2747 UTC.	1
mission is the second s	1
	1
Drop Sonde Time Lat Lon Surface Wind closest BT Eye, Eyewall, Rainband Comments Ob # Te	mp Bufr
Chi 1 163615101 1512 24115 61.46 1008 220/27 10 X IP SW 02	XX
0.5	XX
013 3 163335065 1533 2491 60.26 960 FIT Eyewill Eye Wall Evilled SW06 8	
CLY 4 163525173 1535 24.99 60.14 947 050/09 10 X Eye Center 64	X
0.5 5 163525677 1537 25/08 5999 958 080/104 10 Fail Exemple Blewall combo NE 07 2	X
che 6 164015089 1538 25.10 59.97 965 07595 10 X Eyewall Eyewall NE 09 x	
	XX
01.8 8 144315064 1559 25.65 58.85 1009 105/40 10 X = EP'NE 11 >	- X
VI-1 Company of the C	X
	X
	X
019 12 163525074 1642 25.66 60.31 - X Eye Center Bad X =	×
	X
0h.6 14 164625057 1654 24.35 60.31 1002 250/30 10 X - Midpoint 5 19	X
	X
	XX
Ch. 17 164625663 172724.80 5997 998 1851 10 X Mid point SE 127	X

early launch detect seems like a very small difference. Maybe Isec early organistorm Plotence N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002) Dropwindsonde Scientists Holbach

162012020

Page \mathcal{L} of \mathcal{Z} Takeoff from at Flight ID Flight Director Recovery at _____ at ____ Mission ID AVAPS Operators Surface Wind closest Drop Sonde Time Lat Lon BT Eye, Comments ID # (UTC) (°N) (W°) to surface SST Eyewall, Pressure Temp (mb) dir/spd hat (°C) Rainband (direction) (m) 163525182 25.09 60.35 1734 Eyewall Combo SE 120/99 10 Fyerva 60,51 944 685/69 X 164445086 25.15 X 1736 Eye Cento ch.41 Eyewall Combo NW X 1738 25.25 60.66 963 325/162 Eyewal 10 Fair 64625061 Midpoint NW 00 025/41 25.64 61.18 164625052 ED NUW 635/35 25,97 61.73 100 X NW 1816 66.71955 ch.7 163455086 25.30 315/82 12 Eyewal Evewall Nower winds 44545687 25 19 60.61 Eye ents suspicion 1829 953 X 64445064 X 25,68 60,65 200/162 31 Eyewal Eyewal X 63615104 1916 60.76 953 110/85 10 25,13 Eyewal 64345028 32 \times X 25.27 60.80 94 Center 075/13 Eye 953 X 163525179 1922 10 25.20 60,99 750/172 Just outside X 1923 969 X 164445166 66,95 25,16 260/87 12 962 X 20 60.1 1104015075 25.21 260/87 Eyeva X 43315649 ch. 1932 25,40 60.70 952 060/16 Elpwal 12wal tust outst NE 25.46 (p0...lpla lannon detect

115/01/10

14453507 2002 25,76 61.03 ch 4 944 185/98/10 163525069 75.25 60.94 7027 ch.5 163525191 125/16/10 941 2024 25.36 61.00

25.43 60.75

29.31 60.91 942

1957

7000

2027

63615103

ch.

Evewall

Evewall

Eyewal

Eyewall

Eyewall Early launch detect

CPA

X

X

X

X

43

Centus

Eyewall

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm_	Florence	Dropwin	dsonde S	cientis	ts	olba	ch				Page 3 of	_3	_	
Flight	ID	Flight	Director						Та	akeoff from	at	_ UTC	,	
Missio	n ID	AVAPS O	perators						Re	ecovery at	at	_ UTC	2	
Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind clo to surface dir/spd (kt)	ce	BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments		Ob #	Temp	B
40	164015159	7055	25,48	60.98	952	-		X		Eyewall	NE	45	X	X
40	163615115	2058	25.34	61 13	941	255/15	10	X	Eye	Cento		41	X	>
42	164345041		25,25	WIT	940	1999		X		Gyewall		46	THE REAL PROPERTY.	X
43	163845167	2161	25.18	61,19	973	SERVING CHARLETON		X	************************	Outside 61	ewall SW	4	X	X
		44 T 47 T								Outside Gr late laun 21:01:12-	ch detect 21:01:10			
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1903 S		4 (4)	Cambo (more and by the state)		THE CONTRACTOR OF THE CONTRACTOR		The second	
							ile Par						- Constitution of the Cons	
			The second secon			entralis de la principal La principal de la principal de							an unanged .	
	A TORREST TO STATE OF THE STATE												The Control of Control	
							i i i i i i i i i i i i i i i i i i i						in against the configuration of the configuration o	
									1741					