Dropsonde Scientist

Flight ID	20110728H1 Mission ID 0304ALDON
Dropson	de Scientists Rogers
AVAPS	Operators Olvey
patterns illustrated problems sole HR	Lead Project Scientist (LPS) on the P3 is responsible for determining the distribution for dropwindsonde releases. Predetermined desired data collection patterns are I on the flight patterns. However, these patterns are often altered because of clearance, etc. Operational procedures are contained in the operator's manual. On the G-IV the D person is designated the LPS. The following list contains more general ntary 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 fligh	ıt erinde er
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.

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

Storm		Dropwin	dsonde S	Scientis	ts		Page (of				
Flight ID		Flight Director								akeoff from at	UT	С
Missio	n ID0304A DON	AVAPS OperatorsR								ecovery at at	UT	С
Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind clo to surfa dir/spd (kt)		BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #	
1	102025126	212100	7556	89.43	1012,2	171/18	29	29.4	18		36	1931
2	107515087	213 300	2315	90,75	1009.6	141/28	6	29.3	pul pt		38	
3	1025 15043	214130	24.79	90.82					NERMW	fast fail		
4	102145016	215130	.24.29	91.31	1005.3	183/40	6		Conter	PL~12kt SFN 45 kt	Z6	
5	103515206	215234	24.25	91.37	1007.4	19919	7		center 2		24	
4	102525274	215 746	24.08	91.68	1007.5	287/15	16	24 7	SWEMW	suspect BT 557- Notran	Swit l	ds of mis
1	102515106	220420	23.86	92.10	1008.6	256/13	2.11	29.1	wid pt		43	da
8	107575391	222000	23,32	93.01	1009.4	283/9	6	28.7	swend of		44	
9		2312			1010.5	187/9	8	-	Sendot		47	
(0)	102535078	232011	23.41	91.64	1010.1	236/14	23		mid pt		48	
U	102815310								5 RMW	very grotly data below ~ 800 mg		
17	102515253	23347	124,35	91,72	.994,7	217/9	102		NRMW		51	
										moist adiabatin whole		
										9,0,16		

AA AB AA

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