Dropsonde Scientist

Flight ID	20110728H Mission ID 0304 ALDON										
Dropsonde Scientists Rogers											
AVAPS Operators Olvey											
patterns fo illustrated of problems, e sole HRD	and Project Scientist (LPS) on the P3 is responsible for determining the distribution of dropwindsonde releases. Predetermined desired data collection patterns are on the flight patterns. However, these patterns are often altered because of clearance to. Operational procedures are contained in the operator's manual. On the G-IV the person is designated the LPS. The following list contains more general ary 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)

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind clo to surfa dir/spd (kt)		SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
1	102025126	212100	2556	89.43	1012,2	171/18	29	29.4	tf		36
2	102515087	213 300	2515	90.25	1009.6	141/28	8	29.3	mil pt		38
3	102515043	214130	24.79	90.82					NERHW	fast fail	-
4	102145016	215130	-24.29	91.31	1005,3	183/40	6		autor	FL~1244 SF~ 45 bt	Z6
5	103515206	215234	24.25	91.37	1007.4				center 2		24
6	102525274	215 746	24.08	91.68	1007.5	287/15	16	24 \$	SWEAN	suspect BT 557- notrans	J.Pm
1	102515106	220420	23.86	92.10	1008.6				wid pt	V.	43
8	107575391	222000	23,32	93,01	1009.4	283/9	6	28.7	swew of		44
9	101425180	23(2	22.81	91,62	1010.5	187/9	8		Sendot		47
(0)	102535078	2-32011	23.41	91.64	1010.1	236/14	23	_	mid pt		48
U(102815310	23325	24.26	91070					5 RMW	very gothy data below ~800 mb	-
17	102515253	23347	1 24,35	91,72	-994,7	217/9	102		NRMW		51