Dropsonde Scientist
Flight ID 20180 70342Storm CMRIS 03L Dropsonde Scientist A/AKA

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patterns fo illustrated of because of manual. On	d 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 often are required to be altered clearance problems, etc. Operational procedures are contained in the operator's the G-IV the sole HRD person is designated the LPS. The following list contains al 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. 2. 3.	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. 2.	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.

changed to ~ 6 drops

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

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Flight ID 20180708H2 Flight Director Rich Henning Takeoff from LAL												OTU S
Mission ID NOAAZ 0503A AVAPS Operators Terry Lynch Recovery at												
Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind clos to surfac dir/spd (kt)		BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments		Ob #
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3	015835	01 58	32°29 (72"25"	1024 3	18	59	1	tur nut	Leg 1 End Points	782.346	
4	023155	02:31	34" 12"	74.51,	1019.5	19	12		turn S	Leg 2 Start, 78	3.4mb	10 4 :514/505-5
5	030113	0310[32.11	74.534	1003.8	2	10	1	Center	wink change,	-d~0.FFF	
6	032840	03.29	30,58,	74026	1018.2	24	10		turn SW	EP	dm1.18F	Page 1955 and 19
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