Dropsonde Scientist

Flight ID 00902<u>T1</u> Storm <u>Earl</u> Dropsonde Scientist <u>P. Leight</u> 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



Determine the status of the AVAPS and HAPS or workstation. Report results to the LPS.

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.

Complete the appropriate preflight set-up and checklists.

In-Flight

4



Operate the system as specified in the operator's manual.

Ensure the AOC flight director is aware of upcoming drops.

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.

Report the transmission of each drop and fill in the Dropwindsonde Scientist Log.

Post flight

1



Complete Dropwindsonde Scientist Log.

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.]

Debrief at the base of operations

Determine the status of future missions and notify MGOC as to where you can be contacted.

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torm_	Earl	Dropwin	dsonde S	cientist	s Paul	Leighte	n/	5.1	Murillo	R, Rogars Page 1 or	f
light	ID/0090211	Flight	Director	Paul	Flaher	ty	/	/	та	akeoff from Madill at 200	Ku
issic	n IDWX07A Eacl	1 AVAPS O	perators	Bob	by Pee	K/San	Sou	- /1	Vacher Re	ecovery at R. Unive VA at 27.2	50
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 #
	0947353/1	2136	3107	7636	160816	297/1914	10	J	SW	IP Stitle	16
2	095035219	2156	3707	75/2	96.3	264/107	2/181	7-	Sus eye	vell	19
3	100155012	2204	32,33	7453	24712 QUX	232410	12	-	kye	Evaluel stert 1-42	2
4	094355056	2211	3257	7436	-Geh	101 436	518	-	NEGYERS	P stopped enty wat sut	-1-
5	A44735289	2228	3353	7330	997.6	1/2 198	7	~		Enor 102	2
10	094735718	2258	33.46	7/21	1,000,1	7/35	9		NW	slutly 3	3
7	094615012	2314	3306	7517	971.16	34/10	10		New Cy	mall	1
8	094735-119	2327	3226	7418	970.7	15/ 60	7	-	SEGNE	unail and	-
9	094735738	2346	3141	7315	10001.5	193/4/57	8	2	SE	endoorf ler U	9
16	094735462	2404	3310	7243	964,4	15-15-2	8	_	E	Jul les S	5
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19	694355165								5	Shit los 7	5
15	100145277	2539	Etc. March 1995	and an and a should be	Children and the state of the s	2/201	15	4	Seyer	4	6
16	094 735 729	2548	3336	7436	950.9	203/8	6)	Eve	shotly 8	60
17	09473536	344	34,6	74			17	-	Nen		X

Robert Vie