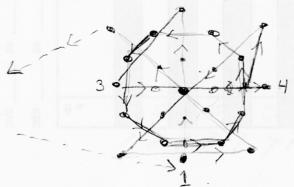
**Dropsonde Scientist** 

Flight ID 14 5702H Storm Aythur I	Dropsonde Scientist Chev
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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.



ARTHUR

Agency: NOAAZ mission Storm system: mission ID:0301A ICAO id xWBC

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

Storm Arthur	Dropwindsonde Scientists Haa Chen / Lisa	Bucci	Page / of
Flight ID/40702H	Flight Director Barry Daniano	Takeoff from MacDil	at 5/55 utc
Mission ID	AVAPS Operators Todd Richards	Recovery at	at UTC

Drop #	Sonde ID #	Time (UTC)	Lat (°N)	Lon (°W)	Surface Pressure (mb)	Wind close to surface dir/spd (kt)		BT SST (°C)	Eye, Eyewall, Rainband (direction)	Comments	Ob #
1	D20140702-07041	ונידסו	area angelania Kalantina			Signature the			nggarar nggarar	Sipport and the	
2	D2014070Z_	07:14		4 5						RMW 1 (flight level)	<u>.</u> , (
3.	D20146762	07,149							granda kanada kanad Kanada kanada kanad	RMWZ (Sudace)	
4	D20140702_	07:22								Center	
5	D20(40702_	07431								CKM Manuagus an each agus	
6			8 8		150 150 150		15'69 11882		1118	turn point 2	
7	D20140102_081257	03:13	27.98	79.81	1007.7	310/34	00			Pt3	1
3	020140702-082007	08:20	28.14	79,30	1003,2	295/43	19.8	1		RMW	2
q	D20140762_D52425	08:24	28/32	19.03	998.0	2H9/2	6			center	3
10	D2014670Z-083231	09:32	28.54	78,43	1008,3	135/37	11,5			RMW	4
11	D20140707 04928	9:49	28,97	77,14	1911.8	140/32	5				5
12	D2014070Z_091144	0911	28.69	78,36	1006,8	130/42	11.9			800-1000 mb 50 k++	9
13	620140702 LOA1929	0919	29,98	78.00	1005.2	85/29	7,9			Barrings (1988) postažinak rational (1986) Pagradonina (1988) postajino (1986) (1986)	7
14	D20140702_092738	0927	28.76	79,70	1006.5	360/24	8.3		_		8
15	D20140702_093500	0935	28,23	80.01	1008.5	320/22	7.7			n ja kanan kan Kanan kanan ka	9
16	D20140702_094302	0943	27,63	79.81	1009,6	270/25	6.0				10
17	D20140702-095105	0951	27.33	79.18	1010.7	230/26	8.0			nick safesaren. II. er et berefe ik entlicht zeiten im	11

unable to locate data on plane, but was ransmitted to ground

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

Storm_	Anthur	Dropwin	dsonde S	Scientis	ts						Page o:	f
Flight	ID 140702H1	Flight	Director	Dan	nano				т	Cakeoff from	at	UTC
Mission ID AVAPS Operators										Recovery at at		
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 #
18	D=0/40702_1488	0958	r gelgerättende 20)cbielen	)8.40	1878	23 Q (2.2)	1012	olingije. Olimbije				n samethi
19	D20140202-10061)	1000	28.05	78.16	1009.4	160/28	7.8					13
20	D20146767, 40205		3 <b>Q</b> arigio	40.34	i dinamana i Quida Africa	13/32	8,2		entropy of the control of the contro			6.4
21	D20140702-104203	1045	28.87	78.70		130/45				1743 7 G		15
22	DZ014078_1047272	1047	22 82	79.98	9975	230/12	80			center		48
23	D20140702_110111	1101	27.73	79.47	1009.3	250/25	8.0					17
24	029140702_110640	1100	27.39	>4.63	70/7.2	260/25	8.3					18
52	PZUEIL SO(041050	1135	27.89	77.18	1013.3	DoBo	7.6					19
26	D204 [162] 114259	h42		57.69	10129	7743	8.1		night phrobledge			2-2
2)	Dell 20 (0410C	1156	2850	78.67	983	16744	12-1			early Launch		21
28	12028 - 24/44/9C	1802	28 ) 3	79.06	9972	270/12	6.7			mrter		22
29	020140707-121508	1215	29-12	80,00	1009.7	25/22	8.6					23
30	020146/27_172053	1220	27.8	29.30	1010.2	05/25	7.8				gerbergermint in 1990	24
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