NOAA P-3 GPS Dropwindsonde Scientist Log (MS Word version 2020)

	Flight ID_20221030I2	Storm	AL15	Dropsonde Scientist	Sellwood
	data collection patterns are	illustrated on the contained in the	ne flight pattern ne operator's ma	as. However, these patterns often are anual. On the G-IV the sole HRD	atterns for dropwindsonde releases. Predetermined desired e required to be altered because of clearance problems, etc. person is designated the LPS. The following list contains
	Preflight				
x 1. D	Determine the status of the A	VAPS and HAPS	S or workstation	n. Report results to the LPS.	
x 2. C	Confirm the mission and patte	ern selection wit	h the LPS and	assure that enough dropsondes are	on board the aircraft.
x 3. N	Modify the flight pattern or de	rop locations if 1	equested by AC	OC to accommodate changes in stor	m location or closeness to land.
x 4. C	Complete the appropriate pres	flight set-up and	checklists.		
	In-Flight				
x 1. C	Operate the system as specifie	ed in the operato	r's manual.		
x 2. E	Ensure the AOC flight directo	or is aware of upo	coming drops.		
x 3. I	Ensure the AVAPS operator launched in case of failure.		that the dropso	onde is (or is not) transmitting a go	ood signal. Recommend if a backup dropsonde should be
x 4. R	Report the transmission of ea	ch drop and fill i	in the Dropwin	dsonde Scientist Log.	
	Post flight				
x 1. C	Complete Dropwindsonde Sci	ientist Log.			

h
by

Storm	AL15	Flight ID	20221030l2	Dropso	nde ScientistS	Sellwood_	AVAPS Operator	Brian	
Mission ID_	0415A	Take Off	_2146UTC St. Croix_	_Landing_	0357UTC_S	St.Croix	Pa	ge 1 of 2	

Drop #	Sonde ID	Time UTC	Lat (°N/S)	Lon (°E/W)	Sfc Pressure (mb)	Lowest Wind Dir/Spd (deg/kt)	Lowest Wind Hgt (m)	SST (°C)	Eye, Eyewall, Rainband, etc.	Ob #
1	210910044	2248	17.09	-69.80	1010	060-17	10		IP(CPA)	1
Comment	ts: No manual QC		·		·	·				•
2	21020786	2300	17.30	-71.01	1011	070-17	12		Pt 2 leg 1 <-	2
Comment	ts: Set end 533.50 -	dry layers b	etween 700-80	00mb	•	•	•			
3	210240785	2313	17.30	-72.21	1008	095-23	10		Pt 3 leg 1 <-	3
Comment	ts: Set end 541.25 - 0	dry layer bel	ow 800mb				·			-
4	210240787	2324	17.30	-73.41	1008	095-28	10		Pt 4 leg 1 <-	4
Comment	ts: Set end 541.25 d	ry at top of s	ounding							
5	211450595	2336	17.30	-74.61	1008	070-25	10		EP N W leg 1	5
Comment	ts: Set end to 573.50	- no GPS fir	st few seconds	dry at top of s	sounding		'	•		!
6	210731115	2348	16.2	-74.53	1006	060-21	12		EP SW start leg 2	6
Comment	ts: End 540.75	•	<u>'</u>	'		!		!		!
7	210930208	0000	16.2	-73.39	1007	135-23	10		Pt2 leg 2 ->	7
Comment	ts: No manual QC dr	y at 500mb			•		•	•		
8	210850223	0013	16.2	-72.13	1009	120-12	10		Pt 3 leg 2 ->	8
Comment	ts: No manual QC d	ry from 700-	800mb							
9	210710333	0025	16.2	-70.99	1010	085-13	10		Pt 4 leg 2 →	9
Comment	ts: Set end 527.00 d	ry layer 625ı	nb				•			
10	211450597	0038	16.17	-69.82	1011	100-14	10		EP NE leg 2	10
Comment	ts: No manual QC dr	y 500-700m	b							
11	210420092	0050	15.02	-69.83	1010	085-10	10		EP SE start leg 3	11
Comment	ts: No manual QC Pr	etty dry thro	oughout							
12	210731139	0103	15.00	-71.12	1010	130-12	10		Pt 2 leg 3 ←	12

Comments: No manual QC, dry 500-700mb

Page 2 of 2

Drop #	Sonde ID	Time UTC	Lat (°N/S)	Lon (°E/W)	Sfc Pressure (mb)	Lowest Wind Dir/Spd (deg/kt)	Lowest Wind Hgt (m)	SST (°C)	Eye, Eyewall, Rainband, etc.	Ob #
13	210710258	0114	15.00	-72.2	1009	185-05	N/A		Pt 3 leg 3 <-	Х
Comme	nts: no T RH backed	d up so did no	t transmit							•
14	210710331	0119	15.00	-72.65	1009	205-24	10		Backup for Pt 3	13
Comme	nts: no manual QC	; Dry 800-900		•	•	•	•	•	•	
15	210240891	0127	15.00	-73.41	1009	160-32	10		Pt 4 leg 3 <-	14
Comme	nts: set end 534.50	meridional m	otion + wind s	hift at 700mb i	indicates sonde is j	ust west of cent	er of circulation	on or tro	faxis	
16	210430073	0137	14.93	-73.34	1006	180-20	10		EP leg 3	15
Comme	nts: similar sonde m	notion and w	ind shift as pre	vious drop	·		•		·	
17	210920887	151	13.78	-74.49	1008	195-15	10		EP start leg 4	16
Comme	nts: Descended to :	12k ft due to i	cing / convecti	on; set end to	317.75		'	'	'	!
18	213430297	0206	13.8	-73.39	1010	235-08	12		Pt 2 leg 4 →	17
Comme	nts: Back up to ~ 15	k ft or 500mb)							'
19	210430440	0219	13.8	-72.19	1010	160-06	10		Pt 3 leg 4 →	18
Comme	nts: Back up to 20k	ft. ; dry 500-7	'00mb		·					•
20	210930254	0232	13.8	-70.99	1011	095-13	12		Pt 4 leg 4 ->	19
Comme	nts: end 548.75 ; dr	y throughout	:	•	·					•
21	213570211	0244	13.8	-69.92	1011	080-09	10		EP leg 4	20
Comme	nts: Released early	to avoid ship;	set end to 552	.75; dry though	nout	·	•			•
Comme	nts: 21 drops 20 tra	nsmitted all	charged to NHC	,	•					•
	'		'	'			!			