

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N43RF Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	2020100611	FLT #:	1	AC:	Rossi	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1730	CP(s):	Doremus		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	200		Rannenberg				32	1	29
Block Time		Flight Time		NAV:	Freeman		ASOS Takeoff		BTs		
In:	6:41	Land:	6:24	FE(s):	LaLonde				Good	Bad	Sent
Out:	21:11	T/O:	21:18	FD(s):	Sanchez		A/C Land		0	0	0
Total:	9.5	Total:	9.1	SSA:	Richards						
Sponsoring Org:	NWS/NHC			AVAPS:	McAlister	Rogers	Storm Number ID:		AL262020		
Program:	PRX			SEB:			(ie: AL072012)				
Purpose:				MX:			TCPOD/WSPOD Mission		NOAA3 0626 DELTA		
							(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP
VOLCANIC ASH					x			1			
SCIENCE MISSION WITHIN BDRY LAYER					x						
LACK OF PRECIPITATION					x			2			
RELATIVE HUMIDITY ≥ 80%				x							
LARGE AIR-SEA TEMP GRADIENT					x			3			
HIGH SURFACE WINDS				x							
LONG FETCH / DURATION OF SFC WND				x				4			
SEA SALT ACCRETION FORECAST					x						
SEA SALT ACCRETION OBSERVED					x			Pennies:	5 Hurr Pennies		
							*Highlighted items must be completed before departure.				
Remarks:											

P-3 QC Checklist

Overall Assessment	Minor instrument issue(s) - minimal mission impact.
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Flight ID:	2020100611
Flight Director(s):	Lundry
Mission:	Tasked/Operational
UWZ.d mean:	0.08

Pressure Comparison		
	T/O	Land
Aircraft	1007.9	1012.0
Tower	1008.7	STATION DATA NA

2118 634

	Raw 1Hz Mean File Parameters				C File Parameters	
<input checked="" type="checkbox"/> Accelerometer	<input checked="" type="checkbox"/> AccAXI.1	<input checked="" type="checkbox"/> AccAYI.1	<input checked="" type="checkbox"/> AccAZI.1	<input checked="" type="checkbox"/> AccZfilter-GPS.1	<input checked="" type="checkbox"/> AccZref	
	<input checked="" type="checkbox"/> AccAXI.2	<input checked="" type="checkbox"/> AccAYI.2	<input checked="" type="checkbox"/> AccAZI.2	<input checked="" type="checkbox"/> AccZfilter-GPS.2		
	<input checked="" type="checkbox"/> AccAXI-GPS.1	<input checked="" type="checkbox"/> AccAYI-GPS.1	<input checked="" type="checkbox"/> AccAZI-GPS.1			
	<input checked="" type="checkbox"/> AccAXI-GPS.2	<input checked="" type="checkbox"/> AccAYI-GPS.2	<input checked="" type="checkbox"/> AccAZI-GPS.2			
<input checked="" type="checkbox"/> Altitude	<input checked="" type="checkbox"/> AltGPS.1	<input checked="" type="checkbox"/> AltI-GPS.1	<input checked="" type="checkbox"/> AltPaADDU.1	<input checked="" type="checkbox"/> AltRA.1	<input checked="" type="checkbox"/> ALTref	<input checked="" type="checkbox"/> AltRA1.c
	<input checked="" type="checkbox"/> AltGPS.2	<input checked="" type="checkbox"/> AltI-GPS.2	<input checked="" type="checkbox"/> AltBCADDU.1	<input checked="" type="checkbox"/> AltRA.2	<input checked="" type="checkbox"/> ALTPA.d	<input checked="" type="checkbox"/> AltRA2.c
	<input checked="" type="checkbox"/> AltGPS.3				<input checked="" type="checkbox"/> ALTGA.d	
	<input type="checkbox"/> AltGPS.4					
<input checked="" type="checkbox"/> Ground Speed	<input checked="" type="checkbox"/> GsXI-GPS.1	<input checked="" type="checkbox"/> GsYI-GPS.1	<input checked="" type="checkbox"/> GsZI-GPS.1		<input checked="" type="checkbox"/> GSXref	
	<input checked="" type="checkbox"/> GsXI-GPS.2	<input checked="" type="checkbox"/> GsYI-GPS.2	<input checked="" type="checkbox"/> GsZI-GPS.2		<input checked="" type="checkbox"/> GSYref	
					<input checked="" type="checkbox"/> GSZref	
<input checked="" type="checkbox"/> Lat / Lon	<input checked="" type="checkbox"/> LatGPS.1	<input checked="" type="checkbox"/> LatI-GPS.1	<input checked="" type="checkbox"/> LonGPS.1	<input checked="" type="checkbox"/> LonI-GPS.1	<input checked="" type="checkbox"/> LATref	
	<input checked="" type="checkbox"/> LatGPS.2	<input checked="" type="checkbox"/> LatI-GPS.2	<input checked="" type="checkbox"/> LonGPS.2	<input checked="" type="checkbox"/> LonI-GPS.2	<input checked="" type="checkbox"/> LONref	
	<input checked="" type="checkbox"/> LatGPS.3		<input checked="" type="checkbox"/> LonGPS.3			
	<input type="checkbox"/> LatGPS.4		<input type="checkbox"/> LonGPS.4			
<input checked="" type="checkbox"/> Pressure	<input checked="" type="checkbox"/> PDALPHA.1	<input checked="" type="checkbox"/> PQALPHA.1	<input checked="" type="checkbox"/> PQM.1	<input checked="" type="checkbox"/> PSM.1	<input checked="" type="checkbox"/> PDLAPHaref	<input checked="" type="checkbox"/> PQMref
	<input checked="" type="checkbox"/> PDALPHA.2	<input checked="" type="checkbox"/> PQBETA.1	<input checked="" type="checkbox"/> PQM.2	<input checked="" type="checkbox"/> PSM.2	<input checked="" type="checkbox"/> PDBETAref	<input checked="" type="checkbox"/> PQ.c
	<input checked="" type="checkbox"/> PDBETA.1		<input checked="" type="checkbox"/> PQM.3	<input checked="" type="checkbox"/> PTM.1	<input checked="" type="checkbox"/> PQALPHAref	<input checked="" type="checkbox"/> PSMref
	<input checked="" type="checkbox"/> PDBETA.2		<input checked="" type="checkbox"/> PQM.4		<input checked="" type="checkbox"/> PQBETAref	<input checked="" type="checkbox"/> PS.c
<input checked="" type="checkbox"/> Air Speed	<input checked="" type="checkbox"/> CasADDU.1	<input checked="" type="checkbox"/> TasADDU.1	<input checked="" type="checkbox"/> IasADDU.1		<input checked="" type="checkbox"/> IAS.d	<input checked="" type="checkbox"/> TAS.d
<input checked="" type="checkbox"/> Pitch / Roll	<input checked="" type="checkbox"/> PitchI.1	<input checked="" type="checkbox"/> PitchRateI.1	<input checked="" type="checkbox"/> RollI.1	<input checked="" type="checkbox"/> RollRateI.1	<input checked="" type="checkbox"/> PITCHref	
	<input checked="" type="checkbox"/> PitchI.2	<input checked="" type="checkbox"/> PitchRateI.2	<input checked="" type="checkbox"/> RollI.2	<input checked="" type="checkbox"/> RollRateI.2	<input checked="" type="checkbox"/> ROLLref	
	<input type="checkbox"/> PitchI.3	<input type="checkbox"/> PitchRateI.3	<input type="checkbox"/> RollI.3	<input type="checkbox"/> RollRateI.3		
<input checked="" type="checkbox"/> Temp / Dewpt	<input checked="" type="checkbox"/> TTM.1	<input checked="" type="checkbox"/> TDM.1	<input checked="" type="checkbox"/> TRadD.1		<input checked="" type="checkbox"/> TD.c	<input checked="" type="checkbox"/> TTMref
	<input checked="" type="checkbox"/> TTM.2	<input checked="" type="checkbox"/> TDM.2	<input checked="" type="checkbox"/> TRadS.1		<input checked="" type="checkbox"/> TDMref	<input checked="" type="checkbox"/> TA.d
	<input type="checkbox"/> TTM.3	x	<input type="checkbox"/> TRadU.1			
<input checked="" type="checkbox"/> Misc. (Must check)					<input checked="" type="checkbox"/> UWZ.d	<input checked="" type="checkbox"/> WS.d
					<input checked="" type="checkbox"/> DPJ_WSZ	<input checked="" type="checkbox"/> WD.d
					<input checked="" type="checkbox"/> HUM	

FLID_Mission_Documents.pdf:
<input checked="" type="checkbox"/> Error Summary
<input checked="" type="checkbox"/> Crew Manifest
<input checked="" type="checkbox"/> QC Checklist
<input checked="" type="checkbox"/> Dropwindsonde Log(s) - AVAPS and FD if completed
<input checked="" type="checkbox"/> Flight Track
<input type="checkbox"/> Miscellaneous FD Notes

QC Key	
Not checked	<input type="checkbox"/>
Valid	<input checked="" type="checkbox"/>
Errors (note)	x

NOTES:
<p>PSM.1 and PSM.2 are drifting apart, difference is greater at higher altitude so does not impact the mission data, just transit data</p> <p>PSM.2 seems better at takeoff</p>

AVAPS Drop Log

Project: 2020 Hurricane Season Mission: Hurricane Dolbe Flight ID: 20201006 I1

Take Off: _____ Landing: _____ Flt Dir: A Lundry Launcher S/N: _____

153

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	201450533	1	-0.2	2307	MAC		IP1	
2	201650329	2	Ø	2337			1st Rmw IN	
3	201420574	3	-0.6	2339			1st Center	
4	194320264	4	-0.3	2341			1st Rmw out #1	
5	201440532	5	-0.4	2342			1st Rmw out #2	
6	201421318	6	-0.6	0006			1st End Point	
7	201450547	7	-0.4	0040			IP2	
8	201510622	8	-0.4	0058			2nd Rmw IN	
9	201440377	1	-0.3	0101			2nd Center	
10	201450549	2	Ø	0103			2nd Rmw out #1	
11	201450371	3	-0.3	0104			2nd Rmw out #2	
12	201440528	4	-0.6	0126			2nd End Pt	
13	201520854	5	-0.6	0156			IP3	
14	201520131	6	-0.2	0214			3rd Rmw IN #1	
15	201650327	7	-0.8	0215			3rd Rmw IN #2	
16	201420619	8	-0.6	0218			3rd Center	
17	201450402	1	-0.3	0222			3rd Rmw out #1	
18	201440499	2	-0.6	0223			3rd Rmw out #2	
19	201440500	3	-0.4	0234			3rd End Pt	
20	201450413	4	-0.4	0303			IP4	
21	201440506	5	-0.7	0319			4th Rmw IN #1	
22	201440530	6	-0.3	0320			4th Rmw IN #2	
23	201650605	7	-0.5	0324			4th Center	
24	201650601	8	-0.4	0329			4th Rmw out #1	
25	201440524	1	-0.2	—			4th Rmw out #2 NO LAUNCH DETECT	
26	201430061	2	-0.6	0346			4th End Pt	
27	201651032	3	-0.8	0414			IP5	
28	201420576	4	-0.5	0426			5th Rmw IN	
29	201650493	5	-0.8	0434			5th Center	
30	201420571	6	-0.6	0437			5th Rmw out #1	
31	201420573	7	-0.5	0438	MAC		5th Rmw out #2	
32	201650326	8	-0.6	0440	MAC		5th End Pt	

AOC GPS Dropwindsonde Log

Flight ID	20201006I1	ASPEN Operator/Flight Director(s)	Dunion (Aspen-Ground) / Lundry (FD)										
Mission ID	NOAA3 0626A	Storm Name/Track	Hurricane Delta										
Sonde #	Ob#	Launch Time HHMMSS(Z)	Sonde ID (last 5)	Ch #	Lat	Lon	Prominent Wx Cond	SFC Wind (dir/spd)	SFC Prs (mb)	Comments/Issues/QC/ASPEN Edits	KWBC #	P-3 Ob#	Sonde Issues?
1	1	230743	50533	1	20.6108	86.1949	NW IP	025/22	1004.6		062320	4	post splash data
2	2	233728	50329	2	19.2508	84.6071	NW RMW	295/70	979.7	set end at 215.25s	062348	5	post splash data
3	3	233939	20574	3	19.1643	84.4759	Center #1	na	na	no data below 897.6 mb	062355	6	did not hit sfc
4	4	234140	20264	4	19.0849	84.3595	SE RMW	190/73	977.6	set end at 215.25s	070013	9	post splash data
5	5	234248	40532	5	19.0305	84.3027	SE outside RMW	205/61	986.0	set end at 252.50s	070027	10	post splash data
6	6	000601	21318	6	17.9050	83.1594	SE WP	205/23	1005.5	set end at 294.50s	070038	12	post splash data
7	7	004029	50547	7	20.4187	83.6425	NE WP	115/27	1002.8	set end at 289.25s	070111	13	post splash data
8	8	005512	10622	8	19.5092	84.5975	NE RMW	050/59	974.9	hd at 301.25s, bad fall rate high... ASPEN cau	070137	17	late launch detect, post splash data
9	9	010104	40377	1	19.3333	84.7054	Center #2	na	na	set end at 171.50s, no data below 879 mb	070205	18	post splash data, did not hit sfc, fixed inco
10	10	010345	50549	2	19.1968	84.8330	SW RMW	230/69	987.9	set end at 284.25s, upsonde near top	070222	19	post splash data
11	11	010450	50371	3	19.1445	84.8770	SW outside RMW	na	992.2	set end at 245.00s	070235	21	post splash data
12	12	012616	40528	4	18.107	85.9771	SW WP	280/31	1004.8		070301	24	
13	13	015559	20854	5	18.3639	83.8151	SE WP	225/29	1005.3	set end at 306.75s	070314	25	post splash data
14	14	021404	20131	6	19.2759	84.7802	SE outside RMW	225/67	988.3	set end at 231.50s, set FL RH as bad	070331	28	post splash data
15	X	0215	na	7	na	na	SE RMW	na	na	na	na	na	Did not reach AOC ground server
16	15	021829	20619	8	19.4844	84.9762	Center #3	340/37	973.0		070404	29	
17	16	022229	50402	1	19.6575	85.1941	NW RMW	345/65	980.6	set end at 242.00s	070408	31	post splash data
18	17	022335	40489	2	19.7108	85.2471	NW outside RMW	350/53	991.2	set end at 275.50s	070418	32	post splash data
19	18	023429	40500	3	20.2675	85.8163	NW WP	015/29	1001.6	set end at 291.00s	070426	33	post splash data
20	19	030305	50413	4	18.6948	86.1517	SW WP	270/30	1005.0	set FL RH as bad	070434	34	
21	20	031941	40506	5	19.5332	85.2846	SW outside RMW	255/61	987.5	set end at 269.25s	070441	35	post splash data
22	21	032023	40530	6	19.5658	85.2508	SW RMW	240/86	980.4	set FL RH as bad	070442	37	
23	22	032428	50605	7	19.6345	85.1691	Center #4	335/29	974.7	set end at 261.00s, set FL RH as bad	070502	39	
24	23	032935	50601	8	19.8857	84.9290	NE RMW	095/70	984.1	set end at 304.50s, set FL RH as bad	070509	40	post splash data
25	X	NO LAUNCH DETECT	na	1	na	na	NE outside RMW	na	na	na	na	na	NO LAUNCH DETECT
26	24	034621	30061	2	20.6586	84.0573	NE WP	115/41	1003.8	set end at 288.50s	070518	41	post splash data
27	25	041419	51032	3	20.5936	86.2917	NW WP	025/27	1001.6		070524	42	
28	26	042655	20576	4	19.9831	85.6537	NW RMW	350/46	990.9	set FL RH as bad	070531	43	
29	27	043433	50493	5	19.7864	85.4484	Center #5	305/52	978.8	not marked as center	070537	44	
30	28	043707	20571	6	19.6445	85.2971	SE RMW	215/89	984.4	set end at 272.00s	070552	45	post splash data
31	X	043811	20573	7	19.5854	85.2325	SE outside RMW	na	988.00	d as a fast fall (flagged all winds), set FL RH as	070557	na	
32	29	044020	50326	8	19.4790	85.1135	SE WP	215/52	993.4	set end at 247.75s, LAST REPORT	070605	46	post splash data



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