				NOA	A	Air	craft O	perations Cent	er - NOAA 42 Flig	ht Manifes	st			
	FLIC	SHT IN	FORMA	ATION			CREW MANIFEST			MISSION INFORMATION				
FLT ID: 20180912H1 FLT#: 1					AC:	Kibbey	Pressure Dropsond			es				
	TISX		ETD:	0930Z			CP(s):	Didier		A/C Talaa ff		Good	Bad	Sent
	TISX		ETA:	2330Z			01 (3).	Rossi	Paul Change (NESDIS)	A/C Takeoff		O	el	19
Blo	ock Time			Flight Time			Nav(s):	Urato	Zorana Jelenak (NESDIS	Wx Station		19	10	/ /
In: 1837		7	ln:	n: 183			1147(0).			Takeoff			BTs	
/63/			/8		> /		FE(s)	Darby	Hui Christophersen (HRI	A/C Land		Good	Bad	Sent
Out:	093	7	Out:	0944	/		(0)	Lalonde	Catherine Sellwood (HRI	A/C Land				
							FD(s):	Holmes	Heather Holbach (HRD)	Wx Station		AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN THE PERSON		
Total:	9.0	7	Total:	8.8	2		(-/-		Visitors:	Land				
0		NUIC		0,		SEB:				Storm Number ID:		AL092018		
Sponsorin		NHC						Greene		(ie: AL072012				
Program: PRX				SSA:	Mascaro		TCPOD/WSP		0109A IS	SAAC				
Purpose:		ISAAC								(ie: NOAA2 24	418A SANDY)			
							AVAPS: Underwood OBSERVATIONS							
1 1	AS REQ	UIRED	BY OF	RM	Υ	Ν	REMARKS Fix Number Obs Number Fix				Fix Time SLP			
VOLCANI						Х								
1	MISSION			Y LAYER		Х								
LACK OF	PRECIPIT	TATION	1			Х		<u></u>						
1	E HUMIDI				X		5 x Ts Q Penn's							
LARGE A	IR-SEA TE	EMP GI	RADIEN	NT .		X		and the same of th						
HIGH SUF	RFACE W	INDS			Х		50	ndes:						
LONG FETCH / DURATION OF SFC WND X						8x HKD								
SEA SALT	T ACCRET	TION F	ORECA	NST		Х	11 × MWS (WHC)							
SEA SALT	T ACCRET	ΓΙΟΝ Ο	BSERV	'ED		X								

Additional Remarks:

Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

APPENDIX 1 – P3 QC Checklist

Flight ID:	20180912 141
Flight Director(s):	Holmis

Pressure Comparison
T/O Land
Aircraft
Tower

UWZ.d mean: <u>-(),02 m/</u>5

		Raw 1Hz Mea	n File Param	eters	C File I	Parameters
Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1	AccZfilter-GPS.1	AccZref	
,	AccAXI.2	AccAYI.2	AccAZI.2	Acc-Zfilter-GPS.2		_
	AccAXI-GPS.:	AccAYI-GPS.1	AccAZI-GPS.1			
	AccAXI-GPS.2	AccAYI-GPS.2	AccAZI-GPS.2			
Y Altitude	AltGPS.1	Alti-GPS.1	AltPaADDU.1	AltRA.1	4 ∕ALTref	AltRA1.c
	AltGPS.2	Alti-GPS.2	AltBCADDU.1	AltRA.2	ALTPA.d	HAltRA2.c
	AltGPS.3				ALTGA.d	
	4 AltGPS.4					
Ground Speed	ĢsXI-GPS.1	V ĢsYl-GPS.1	GsZI-GPS.1		₩GSXref	
	GsXI-GPS.2	GsYI-GPS.2	GsZI-GPS.2		G SYref	
					GSZref	
√Lat/Lon	VLatGPS.1	Lati-GPS.1	LonGPS.1	Loni-GPS.1	VLATref	
	LatGPS.2	Lati-GPS.2	LonGPS.2	Loni-GPS.2	LONref	
	LatGPS.3		LonGPS.3			
	LatGPS.4		LatGPS.4			
Pressure #	PDALPHA.1	POALPHA-1	PQM.1	V PSM.1	U PDALPHAref	4PQMref
	PDALPHA.2	PQBETA.1	PQM.2	√PSM.2	₽DBETAref	VPQ.c
'	√ррвета.1		POM.3	PTM.1	PQALPHAref	4 PSMref
	PDBETA.2		PQM.4		PQBETAref	₽Ş.c
∜Ajr Speed	CasADDU.1	Tas ADDU.1	L fas ADDU.1		₹/AS.d	YTAS.d
Pitch/Roll	4Pitchl.1	PitchRateI.1	₽ RollI.1	RollRatel.1	PITCHref	
	Pitch1.2	PitchRateI.2	Rolli.2	RollRate1.2	ROLLref	
	Pitch1.3	⊌PitchRateI.3	Rolli.3	-RollRatel.3		
Temp/Dewpt	TTM.1	TDM:1	TRadD.1		4TD.c	ЧттМref
	FTM.2	TDM.2	TRadS.1		J Mref	TA.d
	11M.3	TDM.3	TRadU.1			
Miscellaneous					Y UWZ.d	₩ys.d
(must check)					Ърј_wsz	₩D.d
/					Ним	

FLID_Mission_Documents.pdf:

Error Summary
Crew Manifest
QC checklist
Dropwindsonde Log(s) – AVAPS and FD if completed
Flight Track
Miscellaneous FD notes

NOTES:

PDAIPha. I failed until 11482 (transit)
PDAIPhart Inot

N42RF ERROR SUMMARY 20180912H1

Flight ID: 20180912H1

Sensor or System	Number or Name		
Static Pressure Probe	PSM.2		
Dynamic Pressure Probe	PQM.2		
Total Temperature Probe	TTM.1		
Dewpoint Temp. Probe	TDM.2		
Vertical Accelerometer	AccZfilterI-GPS.1		
Altimeter	AltGPS.3		
INE Selection	1		
Differential Attack Pressure Probe	PDALPHA.1		
Differential Sideslip Pressure Probe	PDBETA.1		
Dynamic Attack Pressure Probe	PQALPHA.1		
Dynamic Sideslip Pressure Probe	PQBETA.1		

Flight Directory

acdata/2018/MET/20180912H1

Local	Met Data	Takeoff TISX	(0944Z)	Landing TISX (1834Z)
	Dynamic Correction	ns		Yes
	AttackAngleInterd	ept		2.31252
	AttackAngleSlope			6.06758
	SlipAngleIntercep	ot		0.4295
	SlipAngleSlope			7.17033

Notes:

There were no edits made in the measured parameters used to calculate meteorological and navigational parameters.

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

PDAlpha.1 failed during transit to IP (1148Z). UWZ unrepresentative as a result up to 1148Z. Note, sciece collection started after 1148Z, so impact is confined to transit.

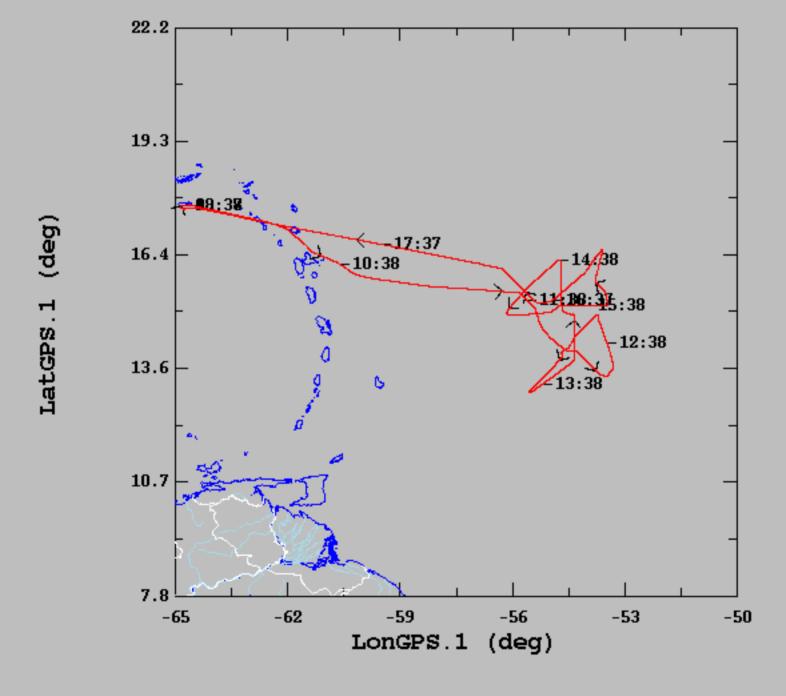
PDAlpha.2 Inop and PQM.1 failed after 1840Z. Niether of these parameters affected the real-time or post processed datasets as neither were selected as the source.

Expendable Type	# deployed	# good	<pre># transmitted</pre>
Dropsondes	19	19	19
Test sondes	0	0	0
AXBTs	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Holmes
Phone #: 863-500-3983

20180912H1 Flight Track

2018-09-12, 09:38:57-18:37:39



NOAA • AOC • SED N42RF AVAPS DROP LOG Lead Tech: Mike Mascaro

Project: Hurricane 2018 Mission: 15 Tropic Flight ID: 2018 OF A /

Take Off: 0943 2 Landing: Flt Dir: Holmes

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
7	163835003	1	-0.7	1133	NGU	NWS.	IP, in hound (IB)	1
×,	163845109	2	-0,5	1143		H2D	Midpoint (MP), IB	
3	164425062	3	40.1	1208	V	NUES	Center #1	Enemana.
4	164345133	4	-0.1	1217		HRD	MP, outloand COS)	V
5	164015158		-0.1	1225		NWS	Endpoint (EP), OBIGA	0
6	163835119	2.	10.4	1247		NUS	EP, IB	1
7	154215122	3	-0.2	1257		HRD	MP, IR	
-8,	164345054.	4	0.0	1311		Muss	Center #2	
9 10	143325023	1	-0.3	1325		HRD.	MP,OB	1/
41	152325054	2	-0.6	133/		NUS	EP, OB	V
42	15 2225027	3	-0.6	1353		NUS	EP, IB	2
13	152 225030	-4	-1.0	1503	1	NWS	EPILS	down
15	152325040		-0.7	15//		HRD	MP, IB	
15	164345035	2	-0.1	1525		NWS	Center IT-3	V
16.	15/325/79	3	-1.0	1341		HKU	MP, OB	
17.	163615049	4	+0.3	156		NWS	Er, OB	
18	1/3 = 2 = 620		-0.4	1625		AKD DIVIS	MP, 13	1/
19	163525030 163535003	2 3	1-0.1	1643		NWS HKD	Center & 8 MP, OB	
20	163 3 33 00)		+0.1	1653		HAU	MP, OS	
21			,	! -			,	
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31							***************************************	1
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