				NOA	A	Air	craft O	perations Cen	ter - NOAA 42 Flig	ht Manife	st			
	FLI	GHT IN	FORMA	ATION				CREW MAN	NIFEST		MISSION IN	FORMATI	ON	
FLT ID: 20180914H1 FLT #: 4					AC:	Kibbey	Scientists:	Pressure		Dropsondes				
From:	KLAL		ETD:	1330Z			CP(s):	Mitchell		N/O T 1		Good	Bad	Sent
То:	TISX		ETA:	7+00			CF(S).	Rossi		A/C Takeoff		0	N	10
In: 7027		Flight Time				Nav(e):	Urato		Wx Station		10	50	10	
				Nav(s):		ivav(s).			Takeoff			BTs		
	CVC	/ 6		2019			FE(s)	Lalonde		1/01		Good	Bad	Sent
Out:	132	0	Out:	710			r L(S)	Darby		A/C Land				
	1.32	9	Out.	1328			FD(s):	Holmes		Wx Station				
Total:	7.1	2	Total:	6.9			10(5).		Visitors:	Land				
10 (0.00,000,000,000)			Total.	0 . /			SEB:			Storm Numbe	er ID:	AL09201	8	
	ring Org:	NHC					OLD.	Greene	Newnam	(ie: AL072012	2)			
Program	n:						SSA:	Mascaro	Carrion	TCPOD/WSP	OD Mission	0409A IS	SAAC	
Purpose	):	ISAAC	(TD	)			00A.			(ie: NOAA2 2	418A SANDY)			
		10, 0, 10	(1)	1			AVAPS:	Underwood			OBSERV	ATIONS		
	AS REC	QUIRED	BY OF	RM	Υ	N		REMAR	KS	Fix Number	Obs Number	Fix Time		SLP
VOLCA	NIC ASH					Х								
SCIENC	E MISSION	N WITH	IN BDR	Y LAYER		Х								
LACK O	F PRECIPI	OITAT	N			Χ								
RELATI	VE HUMID	ITY ≥ 80	0%		X									
LARGE	AIR-SEA T	EMP G	RADIEN	NT		Х								
HIGH S	URFACE W	/INDS			X								_	
LONG F	ETCH / DU	IRATIO	N OF S	FC WND	X						/		+	
SEA SA	LT ACCRE	TION F	ORECA	AST		Х	¢.							
SEA SA	LT ACCRE	TION C	BSERV	/ED		X								
A ddition	al Domark								NEW YORK OF THE PARTY OF THE PA					

$hh\Delta$	itional	Ran	narke:
Tuu	ılıbılaı	1/511	iai no.

Cockpit Gmax:

Gmin:

\*Highlighted items must be completed before departure.

# APPENDIX 1 - P3 QC Checklist

Flight ID:	2018091411
Flight Director(s):	Holmes

Pressure Comparison
T/O Land
Aircraft
10/0
Tower 1009

	F	Raw 1Hz Mea	n File Param	eters		Parameters
Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1	AccZfilter-GPS.1	AccZref	
,	AccAXI.2	AccAYI.2	AccAZI.2	Acc-Zfilter-GPS.2		-
	AccAXI-GPS.1	AccAYI-GPS.1	AccAZI-GPS.1			
/	AccAXI-GPS.2	AccAYI-GPS.2	AccAZI-GPS.2			
Altitude	AltGPS.1	Alti-GPS.1	AltPaADDU.1	4AltRA.1	ALTref	LAItRA1.c
_	AltGPS.2	Alti-GPS.2	AltBCADDU.1	AltRA.2	ALTPA.d	4 AltRA2.c
	AltGPS.3				4ALTGA.d	
	AltGPS.4					
Ground Speed	⊌GsXI-ĢPS.1	4 GsYI-GPS.1	GsZI-GPS.1		GSXref	
_	GsXI-GPS.2	GsYI-GPS.2	GsZI-GPS.2		GSYref	
/					4 GSZref	
Lat/Lon	LatGPS.1	Lati-GPS.1	LonGPS.1	4Loni-GPS.1	LATref	
_	∫∠atGPS.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	PSM.1	<b>₽</b> DALPHAref	⊌∮QMref
	PDALPHA.2	PQBETA.1	PQM.2	PSM.2	<b>∲</b> PDBETAref	PQ.c
	PDBETA.1	(	₩QM.3	PTM.1	PQALPHAref	4 PSMref
	4PDBETA.2	/	PQM.4		PQBETAref	PS.c
Air Speed	CasADDU.1	TasADDU.1	Tas ADDU.1		TAS.d	TAS.d
Pitch/Roll	Pitchl.1	UPitchRateI.1	Rolli.1	RollRatel.1	4PITCHref	
	Pitch1.2	PitchRateI.2	4Rolli.2	RollRate1.2	ROLLref	
	Pitch1.3	PitchRateI.3	Rolli.3	RollRatel.3		
Temp/Dewpt	ттм.1	YTDM.1	TRadD.1	<u> </u>	4TD.c	4TTMref
	TTM.2	TDM2	TRadS.1		₹ĎMref	4TA.d
/	TTM.3	TDM.3	TRadU.1			
Miscellaneous				L	40WZ.d	4 WS.d
(must check)					4 DPJ_WSZ	4WD.d
/					4HUM	

FLID\_Mission\_Documents.pdf:

U	n_bocuments.par.
ſ	Error Summary
	Crew Manifest
Ī	QC checklist
ľ	Dropwindsonde Log(s) – AVAPS and FD if completed
Ī	Flight Track
	Miscellaneous FD notes

## **NOTES:**

PDAIPha. 2 Inop.
PDAIPha. 1 inop 13507-16252 (Transit to IP).

# N42RF ERROR SUMMARY 20180914H1

#### Flight ID: 20180914H1

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/20180914H1

Local	Met Data	Takeoff KLAL	(1328Z)	Landing TISX (2009Z)
	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.

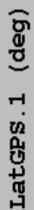
### PDAlpha.2 Inop

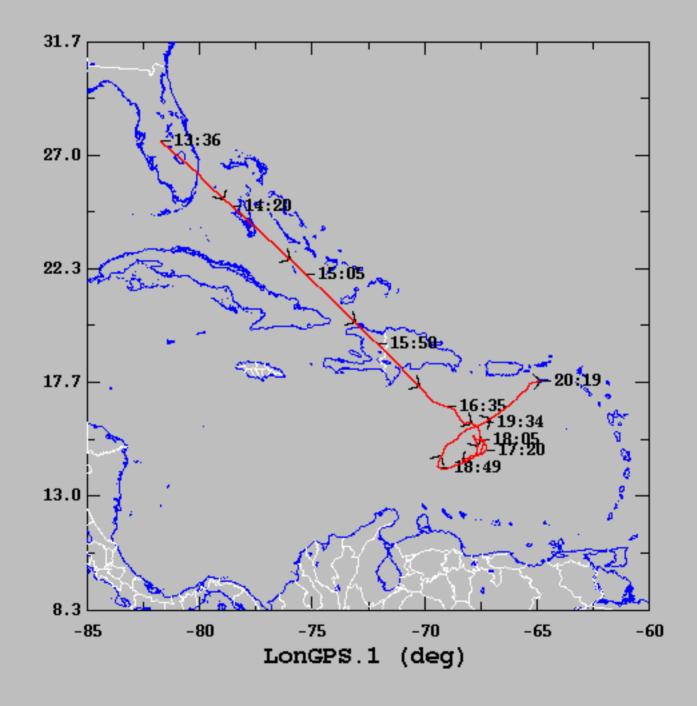
PDAlpha.1 Inop 1350Z-1625Z (Transit to IP). Operational beyond that point, so there was no impact to the tasked scientific collection.

Expendable Type	# deployed	# good	<pre># transmitted</pre>
Dropsondes	10	10	10
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

ACAT-4 Version = 7.2.1





min

14.06 -81.72 max

27.61 -64.80 NOAA • AOC • SED N42RF AVAPS DROP LOG Lead Tech: Mike Mascaro

Project: Hurricane 2018 Mission: The Todac Flight ID: 2018 0914 H |

Take Off: \_\_\_\_\_ Flt Dir: Holmes

# # # # Offset Time \$\$ To Paus #1, CP  164445128 1 -0.5 1641 NGU NUS IP, inhound CIS  164345184 2 +0.3 1658   Midpoint (MP), IB, a  164445002 3 +0.1 1734 V Center #+1  164445095 1 -0.8 1818 Adfoc at 15°N  6 164345149 2 -0.5 1838 Ad Hoc at 68.5°V  164445091 3 -0.8 1907 Ad Hoc at 10k  8 164445104 4 -0.9 1921 Ad Hoc at 10k  9 164345177 1 -2.0 1932 Ad Hoc at 10k  10 164445106 2 -0.6 1944 Ad Hoc at 10k	
164345184 2 +0.3 1658   Midpoint (MP), IB, Context #1  164425002 3 +0.1 1734 V Center #1  164445149 4 -0.2 1759   Center -CARCAT  164445095 1 -0.8 1818   Adthoc at 15°N  164345149 2 -0.5 1838   Adthoc at 68.5°N  164445091 3 -0.8 1907   Ad thoc at 10k  164345177 1 -2.0 1932   Ad thoc at 10k  10 164445106 2 -0.6 1944   Ad thoc at 10k  10 164445106 2 -0.6 1944   Ad thoc at 10k	
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164445091 3 -0.8 1907 Ad Hoc at 10k 8 164445104 4 -0.9 1921 Ad Hoc at 10k 9 164345177 1 -2.0 1932 Ad Hoc at 10k 10 164445106 2 -0.6 1944 Ad Hoc at 10k 11	
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10 164445106 2 -0.6 1944 Ad Hoe at 10	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
164445 106 2 -0,6 1944 Ad Hoe at 10	1/2 2
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