## N42RF ERROR SUMMARY 20181011H1

#### Flight ID: 20181011H1

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/20181011H1

Local	Met Data	Takeoff KLAL	(1256Z)	Landing KLAL (1629Z)	
	Dynamic Correction	ons		Yes	
	AttackAngleInterd	cept		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. This failure did not affect the real-time or post processed collection as PDAlpha.1 was used as the source for both.

Note: Mission ended at exactly the half way point due to a bird strike. Second half off OHC mission was completed on 12 Oct (20181012H1).

Expendable Type	<pre># deployed</pre>	# good	<pre># transmitted</pre>
Dropsondes	0	0	0
Test sondes	0	0	0
AXBTs	6	6	6
AXCPs	10	10	10
AXCTDs	4	4	4
UAS	0	0	0

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

ACAT-4 Version = 7.2.2

				NOA	Α	Air	craft O	perations Cent	er - NOAA 42 Flig	ht Manifes	st	-				
	FLI	GHT IN	FORMA	ATION				CREW MAN		MISSION INFORMATION						
	<b>FLT ID:</b> 20181011H1 <b>FLT #:</b> 1		1			AC:	MITCHELL	Scientists:	Pressure		Dropsondes		98			
	KLAL		ETD:	1300z			CP(s):	ROSSI		A (O T )		Good	Bad	Sent		
То:	KLAL		ETA:	1900z			CF(S).		Benjamin del la cruz	A/C Takeoff		6	6)			
E	Block Time			Flight Time			Nav(s):	FREEMAN	Josh Wadler	Wx Station	-		0	0		
In:	1/7	7	ln:	1 1	20	,	14av(5).			Takeoff			BTs	,		
	In: /638		111.	162	- 7		FE(s)	LALONDE		A/O I I		Good	Bad	Sent		
Out:	. 5.77	7	Out:	17-1	,		I L(3)	SANCHEZ	= *	A/C Land		BT 6	0	6		
	129	49 Out: 125.		7 00		1236			FD(s):	HOLMES		Wx Station	-	CP 10	0	10
Total:	3,2	5	Total:	3.6			1 D(8).		Visitors:	Land	9	CTD 4	D	4		
	,		Total.				SEB:	RICHARDS (T)		Storm Numbe	r ID:					
Sponsor		HRD					OLD.	FLAHERTY		(ie: AL072012)						
Program	າ:	PHX					SSA:	MASCARO	2	TCPOD/WSP	OD Mission					
Purpose	·:	OHC F	ost MIC	CHAEL Survey			00A.			(ie: NOAA2 24	418A SANDY)					
				orn all our voy			AVAPS:	MCALISTER		OBSERVATIONS				1 .		
	AS REC	UIRED	BY OF	RM	Υ	N		REMAR	<b>(S</b>	Fix Number	Obs Number	Fix Time		SLP		
VOLCA	VIC ASH					Χ										
SCIENC	E MISSION	1 WITH	IN BDR	Y LAYER		Χ	-									
LACK O	F PRECIPI	MOITAT	1			Χ										
RELATI	VE HUMIDI	TY ≥ 80	)%			Χ		.85								
LARGE AIR-SEA TEMP GRADIENT			Х		*											
HIGH SURFACE WINDS X			Х													
LONG FETCH / DURATION OF SFC WND			Х													
SEA SA	LT ACCRE	TION F	ORECA	ST		X										
SEA SA	LT ACCRE	TION O	BSERV	'ED		X			7							
					-	0										

A 1 1.1. 1	_	
Additional	Remar	KC.

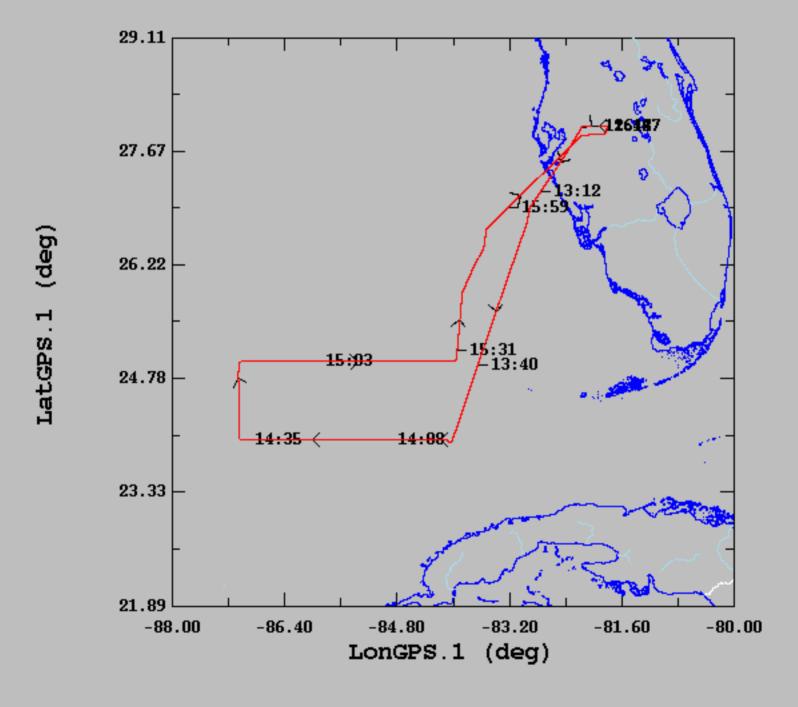
Cockpit Gmax:

Gmin:

\*Highlighted items must be completed before departure.

# 20181011H1 Flight Track

2018-10-11, 12:16:32-16:27:25



## APPENDIX 1 - P3 QC Checklist

Flight ID:	2018101141
Flight Director(s):	Holmes

Pressure Comparison
T/O Land
Aircraft

Tower

1006

UWZ.d mean:  $\frac{-0.02 \text{ m/s}}{}$ 

		Raw 1Hz Me	an File Paran	neters	C File	Parameters
Accelerometer	AccAXI.1	AccAYI.1	LAccAZI.1	AccZfilter-GPS.1	<b>AccZref</b>	
,	AccAXI.2	AccAYI.2	AccAZI.2	VAcc-Zfilter-GPS.2	T	I
	VAccAXI-GPS.1	AccAYI-GPS.:	1 AccAZI-GPS.1	L	1	
	AccAXI-GPS.2	AccAYI-GPS.2	AccAZI-GPS.2			
Altitude	AltGPS.1	Alti-GPS.1	4 Alt Pa ADDU.1	AltRA.1	ALTref	WAItRA1.c
	AltGPS.2	Alti-GPS.2	AltBCADDU.1	Altra.2	ALTPA.d	4 Altra2.c
	Alt/GPS.3				ALTGA.d	
	AltGPS.4					
☑Ground Speed	GşXI-GPS.1	GsYl-GPS.1	GsZI-GPS.1		4GSXref	
	⊌GsXI-GPS.2	GsYI-GPS.2	GsZI-GPS.2	1 .	GSYref.	7
					€ SZref	7
Lat/Lon	LatGPS.1	Lati-GPS.1	LonGPS.1	Loni-GPS.1	<b>L</b> ATref	
į	LatGPS.2	Lati-GPS.2	LonGPS.2	Loni-GPS.2	LONref	1
	LatGPS.3		LonGPS.3			_
	LatGPS.4		LatGPS.4			
Pressure	PDALPHA.1	VPQALPHA.1	L POMA	PSM.1	<b>P</b> DALPHAref	L-PQMref
1	PDALPHA.2	PQBETA.1	PQM.2	PSM.2	PDBETAref	₽Q.c
1	PDBETA.1		PQM.3	PTM.1	POALPHAref	PSMref
	PDBETA.2		YPQM.4	•	QBETAref	PS.c
Air Speed	CasADDU.1	TasADDU.1	lasADDU.1		MAS.d	L FAS.d
Pitch/Roll	Pitchl.1	PitchRateI.1	RollI.1	RollRatel.1	PITCHref	
<u> </u>	Pitch1.2	PitchRate1.2	Roll1.2		ROLLref	
	Pitch1.3	PitchRate1.3	Rolli.3	RollRatel.3		
Temp/Dewpt	TTM.1	TDM.1	TRadD.1	[4	TD.ç	47TMref
1	TTM.2	TDM:2	TRadS.1	[·	70Mref	√JÁ.d
	TFM.3	<b>Г</b> ТОМ.3	TRadU.1			<b>5</b>
Miscellaneous			_		UWZ.d	₩s,d
(must check)			-	4	DPJ_WSZ	WD.d
/				7	HÚM	

FLID\_Mission\_Documents.pdf:

7	· · · ·	podamonto:par:
	1	Error Summary
	J	Crew Manifest
		QC checklist
	-	Dropwindsonde Log(s) – AVAPS and FD if completed
		Flight Track
_	1	Miscellaneous FD notes

## **NOTES:**

PDAlpha, 2 Inop Note: mission ended at the halfway point due to a bird strike.

Flight Number	2018/01/41	•	
Takeoff Time	0900	Landing Time	•
Storm_	POST-MICHAEL	Team R	<i>d</i> (

			The second ( per)	32 ( ) ·		-	Team	Ben:	aunin	& Jost	7
Drop Number	AXCTD AXBT AXCP	Channel Number	Serial Number	Actual Drop Time	Actual Latitude	Actual Longitude	SST		Marantz Track	File	
1	<u> </u>	17	Shift Commission		Latitude	Longitude	551	H26	Number	Name	Comments
2	CP	14	10111005								
3	13.77	16									
4	СР	12	10091009								
S	CT	14	13041195		·						
G	CP	16	10091068								
7-	BT	12									
8	CP	14	£001£001								
9	87	16									
10	CP	12	10091043						-		
11	CP	12	09091058								
17	BT	16	- 100/000								-
1.5	CP	14	14091013			:					
.13	CT	12.	13041177								
1 40	CP	16	10081823							· · · · · ·	
1 =	CT	14	13041199								
1	CP	15	13021029								
18	CT	16	13041219								4
10	CP	14	11011011					77			
20	BT	12									
24	B1	12.	Company of the State of the Sta								
200	(P	14	10021042						·		
174 · 1	CT	16	13041209								
eng ( )	CP	15	10091045								
**)	BT	14					١.				
		1				<u>.</u>	`				

Flight Number	2018/10/14/				
Takeoff Time	0900	Landing Time		,	
Storm	POST- MICHAEL	_	Pichalam in	9	Jast

	AXCTD	YCTD					IEGIII FLOWER WIN W 792N				
Drop Number	AXBT AXCP	Channel Number	Serial Number	Actual Drop Time	Actual Latitude	Actual Longitude	SST	H26	Marantz Track	File	
	CP	16	11021003			Longitude	331	H20	Number	Name	Comments
1, 1,	ST	12									
- 3	CP	14	100 91 833								
	BT	16					<u> </u>				
2 2 4	CP	12	09081033								
* */-	CP	. 12	09081047		,						
25.4	BT	16				· · · · · · · · · · · · · · · · · · ·					
-	CP CP	14	15061012								-
** 1	CT	12	1364/175								
	CP	10	10081060								
	BT	14		(							
57	CP	12	10091083								
38	BT	16				·					
39	CP	14	10111063								
40	8T	12				,					
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