				NOA	A	۹ir	craft O	perations Cent	er - NOAA 42 Flig	ht Manifes	st			
FLIGHT INFORMATION						CREW MAN	MISSION INFORMATION							
FLT ID:	20181011	1 1	FLT#:	1			AC: MITCHELL Scientists:		Pressure		Dropsondes			
From:	KLAL		ETD:	1300z	00z		CP(s):	ROSSI		A/C Takeoff		Good	Bad	Sent
То:	KLAL		ETA:	1900z			CP(S).		Benjamin del la cruz	AVC Takeon		6	2	\sim
E	Block Time			Flight Time			Nav(s):	FREEMAN	Josh Wadler	Wx Station				
In:	117	7	In:	11.	10		ivav(s).			Takeoff			BTs	,
	163	0	111.	162	- 7		FE(s)	LALONDE		A/C Land		Good	Bad	Sent
Out:	. 5 . (6	7	Out:	1256			1 L(3)	SANCHEZ	* *	A G Land		BT 6	0	6
- Out.	1249	/	Out.	1236			FD(s):	HOLMES		Wx Station		CP 10	0	10
Total:	3,2	5	Total:	3.6			1 D(3).		Visitors:	Land		CTD 4	0	4
Total.	2,0	,	Total.				SEB:	RICHARDS (T)		Storm Numbe	r ID:			
Sponso	ring Org:	HRD					OLD.	FLAHERTY		(ie: AL072012)				
Progran	n:	PHX					SSA:	MASCARO	1	TCPOD/WSP	OD Mission			
Purpose	٥٠.	OHC E	Poet MIC	CHAEL Survey	,		30A.			(ie: NOAA2 24	418A SANDY)		*	
l uipose		OHOT	OST WITC	DITALL GUIVEY			AVAPS: MCALISTER			OBSERVATIONS				
	AS REC	UIRED	BY OF	RM	Υ	N		REMAR	(S	Fix Number	Obs Number	Fix Time)	SLP
VOLCA	NIC ASH					Х		P 2						
SCIENC	CE MISSION	N WITH	IN BDR	Y LAYER		Х								
LACK C	F PRECIPI	IOITAT	V			Х								
RELATIVE HUMIDITY ≥ 80%				Χ										
LARGE AIR-SEA TEMP GRADIENT			Х		*									
HIGH SURFACE WINDS				Χ										
LONG FETCH / DURATION OF SFC WND				Χ										
SEA SA	LT ACCRE	TION F	ORECA	AST		X								
SEA SA	LT ACCRE	TION C)BSER\	/ED	,	/			7					

Additional Remarks:

Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

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 KLAI	(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

APPENDIX 1 - P3 QC Checklist

Flight ID:	2018101141
Flight Director(s):	Holmes

Pressure Comparison								
	T/O	Land						
Aircraft	.1005							
Tower	1006							

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

	F	Raw 1Hz Mea	n File Param	eters	C File	Parameters
Accelerometer	AccAXI.1	AccAYI.1	u ÁccAZI.1	AccZfilter-GPS.1	AccZref	
Γ ,	AccAXI.2	AccAYI.2	AccAZI.2	4Acc-Zfilter-GPS.2		
	VAccAXI-GPS.1	AccAYI-GPS.1	AccAZI-GPS.1			
1	AccAXI-GPS.2	AccAYI-GPS.2	AccAZI-GPS.2			
Altitude	AltGPS.1	Alti-GPS.1	AltPaADDU.1	AltRA.1	ALTref	LAITRA1.c
	AltGPS.2	Alti-GPS.2	AltBCADDU.1	VAItRA.2	ALTPA.d	LAItRA2.c
	Alt/GPS.3				ALTGA.d	
	AltGPS.4]				
Ground Speed	GşXI-GPS.1	GSYI-GPS.1	GsZl-GPS.1		U GSXref	
	& GsXI-GPS.2	GsYl-GPS.2	CGsZl-GPS.2]	GSYref .	
					L €SZref	
Lat/Lon	LatGPS.1	Lati-GPS.1	LonGPS.1	Loni-GPS.1	LATref	
	LatGPS.2	Lati-GPS.2	LonGPS.2	Loni-GPS.2	LONref]
	LatGPS.3		LonGPS.3			_
	LatGPS.4		LatGPS.4			
Pressure	PDALPHA.1	PQALPHA.1	VPQM-1	PSM.1	PDALPHAref	∠ PQMref
	PDALPHA.2	PQBETA.1	PQM.2	PSM.2	PDBETAref	₽Q.c
	PDBETA.1		PQM.3	PTM.1	POALPHAref	PSMref
	PDBETA.2		Ч РОМ.4		QBETAref	PS.c
WAir Speed	CasADDU.1	Tas ADDU.1	lasADDU.1		4 IAS.d	L-FAS.d
Pitch/Roll	Pitchl.1	PitchRateI.1	RollI.1	RollRatel.1	PITCHref	
	PitchI.2	PitchRate1.2	Rollf.2	RollRatel.2	ROLLref	
/	Pitch1.3	PitchRate1.3	Rolli.3	RollRatel.3		
Temp/Dewpt	TTM.1	TDM.1	TRadD.1		47D.ç	L PTMref
_	VTTM.2	TDM:2	TRadS.1		70Mref	TA.d
/	TFM.3	Ц ТОМ.З	TRadU.1			's
Miscellaneous					UWZ.d	₩s,d
(must check)			-	4	DPJ_WSZ	WD.d
/					HUM	

FLID_Mission_Documents.pdf:

Error Summary

Crew Manifest

QC checklist

Dropwindsonde Log(s) – AVAPS and FD if completed

Flight Track

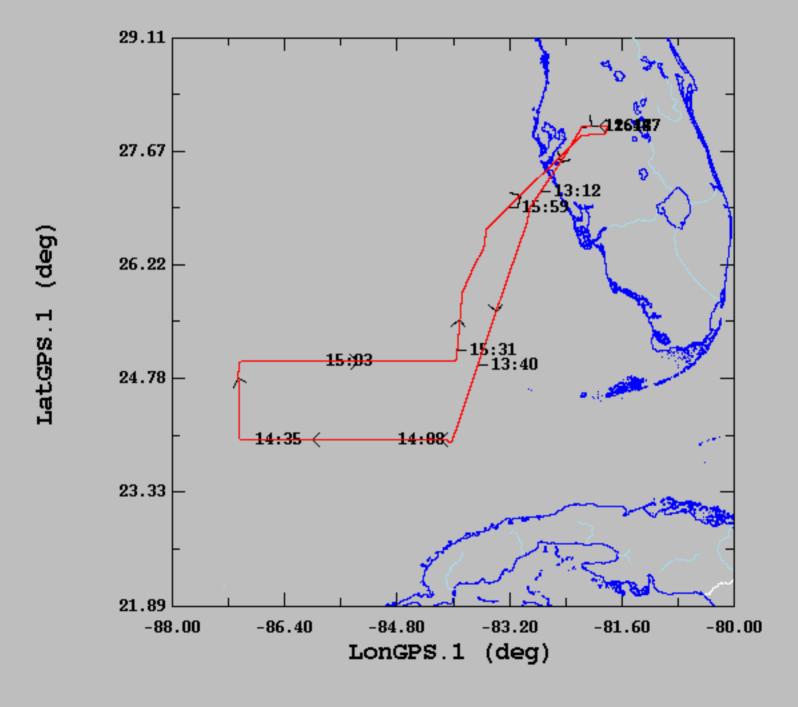
Miscellaneous FD notes

NOTES:

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

20181011H1 Flight Track

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



Flight Number	2018 1011 41		•	
Takeoff Time	0900	Landing Time	,	
Storm	POST- MICHAEL	Team Ben: aunin	\$	Jost

	3.01111_	1 9 31		35			'			(
Drop Number	AXCTD AXBT AXCP	Channel Number	Serial Number	Actual Drop Time	Actual Latitude	Actual Longitude	SST	H26	Marantz Track Number	File Name	Comments
1	B7	17	42 4								
2	CP	124	10111005								
3	P. T	16									
4	СР	12	10691009	-							
S	CT	14	13041195	,					1		
G	CP	. 16	10091068	•	•						
7	BT	12									
8	CP	14	10071007								
9	ВТ	16									
10	CP	12	10091043						-		
11	CP	12	09091058	\							
17	BT	16									
1	CP	14	14091013								
.1.	CT	17.	13041177								
15	CP	16	(008/373								
. 1 :-	CT	14	13041199								
1.	CP	12	13021629								ı,
15	CT	16	13041219								
1.8	CP	14	11011011								
20	BT	12									
94	81	12.	C. James P. Walaya								
2.	(P	14	10021042								
£77	CT	16	13041209								
·")	CP	12	10091045								
granali.	BT	14					`				

Flight Number	2018/07/41				
Takeoff Time	<u>0908</u> .	Landing Time		,	
Storm	POST- MICHAEL	Team	Providence in	7	100

Drop	AXCTD AXBT			Actual	1				Marantz	1	
	AXCP	Channel Number	Serial Number	Drop	Actual Latitude	Actual Longitude	SST	H26	Track Number	File Name	Comments
	CP	(G	11021003	Time	Latitude	Longitude	331	HZU	Number	Name	Commence
	ST	12									
	CP	14	100 51 033								
	BT	16	100 91 0 2 3								
	CP	12	09081033								
	CP	. 12	09081043								•
	BT	16	5(0)101/								
	CP CP	14	15061012								
	CT	12 .	13641175								
	CP	15	10081060								
	BT	14	1000(000								
	CP	12	10091093								,
	BT	16									
	CP	14	10111063			,					
	87	12									ì
		1 602									7.
											÷.
		-									
											·