N42RF ERROR SUMMARY 20180913H1

Flight ID: 20180913H1

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/20180913H1

Takeoff TISX (1024Z) Landing KLAL (1837Z)
ons	Yes
cept	2.31252
	6.06758
pt	0.4295
	7.17033
	Takeoff TISX (1024Z ons cept pt

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 after the scientific collection was completed (after 1502Z). PDAlpha.2 Inop.

Niether of these parameters affected the real-time or post processed datasets during the operationally tasked collection window.

Expendable Type	# deployed	# good	<pre># transmitted</pre>
Dropsondes	9	9	9
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

			NOA	A	Air	craft O	perations Cent	ter - NOAA 42 Flig	ht Manifes	st			
FLIGHT INFORMATION				CREW MANIFEST MISSION INFORMA			FORMATI	ON					
FLT ID:	20180913H1	FLT #:	: 3			AC:	Kibbey	Scientists:	Pres			Dropsondes	
From:	TISX	ETD:	0930Z			CP(s):	Mitchell				Good	Bad	Sent
To:	KLAL	ETA:	8+00			CF(S).	Rossi	Paul Chang (NESDIS)	A/C Takeoff		0	CB.	CI
E	Block Time		Flight Time			Nav(s):	Urato	Zorana Jelenek (NESDIS	Wx Station		7	Ç	7
In:	1840	n:	183	7		Nav(5).			Takeoff			BTs	
	1010		100	/		FE(s)	Lalonde	Heather Holbach (HRD)	A/C Land		Good	Bad	Sent
Out:	1017	Out:	1024	/		1 (3)	Darby	Kathryn Sellwood (HRD)	A/C Lanu				
	1011		1001			FD(s):	Holmes	Hui Christophersen	Wx Station		The second s		ana
Total:	8.4	Total:	8.2			1 D(0).		Visitors:	Land				
				e'		SEB:		Freeman	Storm Number ID: AL092018				
	ring Org: NHC	1.1				OLD.	Greene	Newnam	(ie: AL072012)				
Progran	n:	RX				SSA:	Mascaro	Carrion	TCPOD/WSPOD Mission 0209A ISAAC				
Purpose	e: ISAAC	;							(ie: NOAA2 2418A SANDY)				
						AVAPS:	Underwood	-	OBSERVATIONS				
	AS REQUIRED	D BY OF	RM	Y	-		REMARI	KS	Fix Number Obs Number Fix Time SLP			SLP	
	NIC ASH				X								
	CE MISSION WITH		RY LAYER		X								
	F PRECIPITATIO				Х								
RELATI	VE HUMIDITY ≥ 8	0%		Х		3 ;	XTS Q Pt	nny's.					
LARGE	LARGE AIR-SEA TEMP GRADIENT X												
HIGH S	URFACE WINDS			X									
LONG F	G FETCH / DURATION OF SFC WND X												
SEA SALT ACCRETION FORECAST X				Х	8								
SEA SA	LT ACCRETION C	DBSER\	/ED		X								
Addition	nal Remarks:							*Highlights	d itoma must b	o completed b	ofore days		

Cockpit Gmax:

*Highlighted items must be completed before departure.

APPENDIX 1 – P3 QC Checklist

Flight ID:	20180913 HI
Flight Director(s):	Holmes

Pressure Comparison						
	T/O Land					
Aircraft	1010					
Tower	1010					

UWZ.d mean: <u>-0,07m/</u>5

/	R	aw 1Hz Mea	Ç File I	Ç File 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	VAlti-GPS.1	AltPa ADDU.1	4AltRA.1	ALTref	AltRA1.c
	Alters.2	Alti-GPS.2	AltBCADDU.1	VAItRA.2	I ALTPA.d	AltRA2.c
	AltGPS.3				ALTGA.d	
	LAItGPS.4					
Ground Speed	GŚXI-GPS.1	GsYI-GPS.1	GsZI-GPS.1		GŞXref	
	GsXI-GPS.2	GsYI-GPS.2	GsZI-GPS.2		GSYref	
			/		GSZref	
∎ Lat/Lon	LatGPS.1	Lati-GPS.1	LonGPS.1	Loni-GPS.1	U LATref	
	LatGPS.2	Lati-GPS.2	LonGPS.2	Loni-GPS.2	4LONref	
	LatGPS.3		LonGPS.3			
	LatGPS.4	and the second second second	LatGPS.4			
Pressure 🕅	PDALPHA.1	POALPHA.1	POM1	PSM.1	PDALPHAref	↓ ∕PQMref
	PDALPHA.2	POBETA.1	PQM.2	PSM.2	PDBETAref	PQ.c
	PDBETA.1		POM.3	PTM.1	PQALPHAref	1/PSMref
1	UPDBETA.2		4PQM.4		LPQBETAref	UPS.G
4 Air Speed		TasADDU.1	4asADDU.1		/ IAS.d	TAS.d
Pitch/Roll	Pitchl.1	PitchRateI.1	LÁOIII.1	RollRatel.1	PITCHref	
	PitchI.2	PitchRatel.2	Roll1.2	RollRateI.2	ROLLref	
	Pitchi.3	PitchRatel.3	Roll1.3	RollRatel.3		
└/Temp/Dewpt	(TTM.1)	TOMM	VTRadD.1		dD.c	UTTMref
	TTM.2	TDM.2	TRadS.1	-	U DMref	YFA.d
	TTM.3	TDM.3	TRadU.1			/
u Miscellaneous					ÚWZ.d	LWS d
(must check)				L	DPJ_WSZ	4WD.d
1					ЧНИМ	

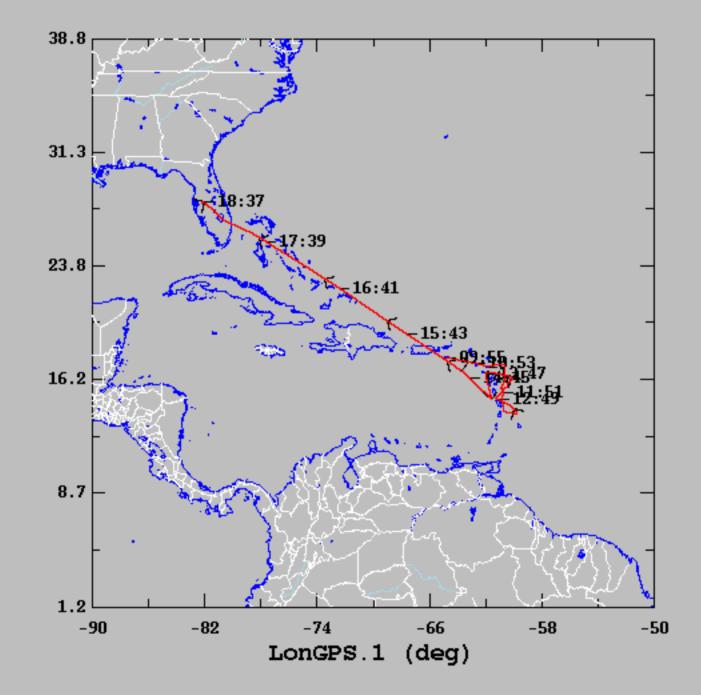
FLID_Mission_Documents.pdf:

—	V	Error Summary	
. (ν	Crew Manifest	
	V	QC checklist	
	2	Dropwindsonde Log(s) – AVAPS and FD if completed	
	V	Flight Track	
		Miscellaneous FD notes	
NOTES: Pppalphan	1	: failed after science was completed (~1502	22) transit bak to KLAL

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time Z	Operator	Charge \$\$ To	Comments	Good ?
X	152225036		-0.5	1122	NGU	NWS	IP, inbound (IB, Das H)	V
X	164345165	2	0.0	1136		HRD	Midsoint (MP), IB	2
3 N	164445109	3	-0.5	1157	V	NWS	Center # /	2
A	164445090	4	-0.2	1228		NILOS	Endipsint (EP), IB, past 2	V
52	164445099	1	-0.4	1252		NUS	Center #2	Ŭ
Ŕ	164945096	2	-0.4	1321		NUL	EP. OB	V
Z	164445097	3	-0.2	1347		News	EP. 18, Rev #3	
8	164345185	• 4	+0.2	1414		Muls	Center #3	V
Ì,	164445131	1	-0.2	1442		NUS	FPOB	V
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34							Veitty to Fallere to Faller	
							Verthy the source	

20180913H1 Flight Track

2018-09-13, 09:55:23-18:37:42



LatGPS.1 (deg)

LatGPS.1	(deg),	1	s/sec
LonGPS.1	(deg),	1	s/sec

mean	sigma	min	max
18.84	3.93	13.97	27.99
-66.55	6.71	-82.16	-59.70