N42RF ERROR SUMMARY 20180802H1

Flight ID: 20180802H1

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/20180802H1

Local	Met Data	Takeoff KLA	L (1702Z)	Landing KLAL (1841Z)					
	Dynamic Correction	ns		Yes					
	AttackAngleIntercept 2.35256								
	AttackAngleSlope		6.11627						
	SlipAngleIntercept 0.23								
	SlipAngleSlope			6.9614					

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 unresponsive. Not an issue for the real-time or post processing data as PDAlpha.1 was used as the source for both.

Expendable Type	# deployed	# good	<pre># transmitted</pre>			
Dropsondes	1	1	1			
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 = 7.1

APPENDIX 1 - P3 QC Checklist

Flight ID:	2018080241
Flight Director(s):	Holmis

Pressure Comparison	T/O	Land
Aircraft	10/3	10/0
Tower	10/2	10/0

UWZ.d mean: 0.15

/	I	Raw 1Hz Mea	/C File Parameters			
Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1	AçcZfilter-GPS.1	AccZref	
	AccAXI.2	AccAYI.2	AccAZI.2	Acc-Zfilter-GPS.2		-
	AccAXI-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	(AltRA1.c
	AltGPS.2	Alti-GPS.2	AltBCADDU.1	AltRA.2	u ALTPA.d	AltRA2.c
	AltGPS.3				ALTGA.d	
	ÁltGPS.4					
YGround Speed	GsXI-GPS.1	GsYI-GPS.1	GsZI-GPS.1		GSXref	
	GsXI-GPS.2	GsYI-GPS.2	GsZI-GPS.2		√G,§Yref	1
					√ GSZref	
「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	POM:1	PSM.1	PDALPHAref	PQMref
	PDALPHA.2	PQBETA.1	PQM.Z	PSIM.2	PDBETAref	₹PQ.c
	PDBETA.1		PQM.3	PTM.1	PQALPHAref	♥P\$Mref
	₽DBETA.2		PQM.4		₽ QBETAref	VPS.c
Air Speed	CasADDU.1	TasADDU.1	las ADDU.1		L √AS.d	4TAS.d
√Pitch/Roll	Pitchl.1	PitchRateI.1	RollI.1	RollRatel.1	∀ PJTCHref	
	PitchI.2	PitchRate1.2	Rolli.2	RollRatel.2	ROLLref	
	Pitchl.3	PitchRate1.3	RollI.3	RollRatel.3		
V Temp/Dewpt	У _{ТТМ.1}	VIDM,I	TRadD.1		TD.c	TTMref
	√πм.2	TDMZ	TRadS.1		TDMref	√TA.d
/	TTIVI.3	УТОМ.3	TRadU.1			
√Miscellaneous	TO				UWZ.d	Yws.d
(must check)	•				DPJ_WSZ	₩D.d
					HUM	

	In	K#::-	Documents.pdf:
-1	11)	MISSINN	Nucliments but.
_		1411221011	B OCUINCING DUI.

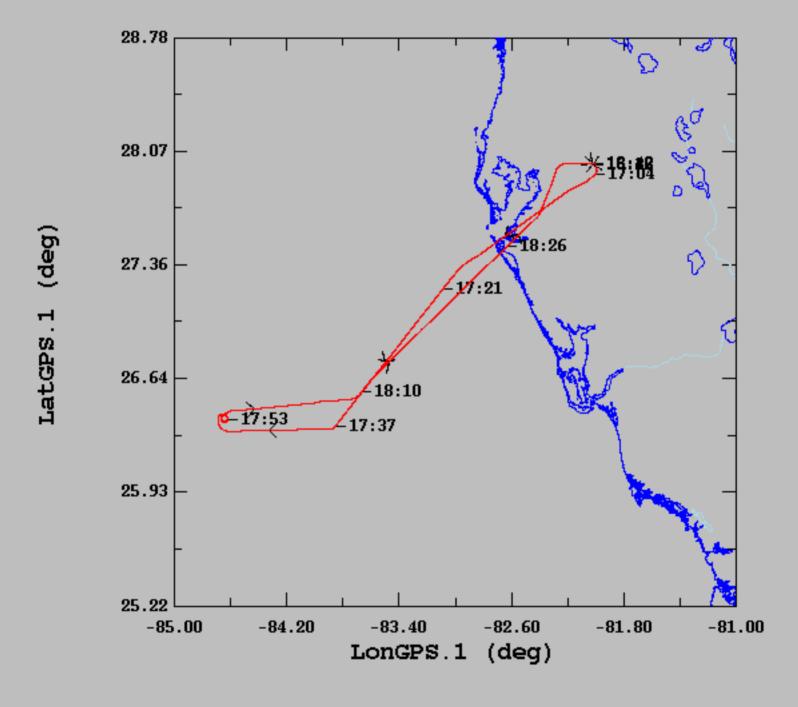
~	
V	Error Summary
V	Crew Manifest
V	QC checklist
X	Dropwindsonde Log(s) – AVAPS and FD if completed
V	Flight Track
ū	Miscellaneous FD notes

NOTES:

PDAlpha, 2 Inop

20180802H1 Flight Track

2018-08-02, 16:15:45-18:42:42



	NOAA Aircraft Operations Center - NOAA 42 Flight Manifest													
FLIGHT INFORMATION							CREW MAN	IFEST	MISSION INFORMATION					
FLT ID:	20180802H	11	FLT#:				AC:	Abitbol	Scientists:	Pres	sure	Dropsondes		
From:	KLAL		ETD:	1700Z			CD(a)	Rossi		A/C Takeoff		Good	Bad	Sent
To:	KLAL		ETA:	1900Z		245	CP(s):			A/C Takeon		1	0	1
Е	Block Time		-	Flight Time			Nav(s):	Sloan		Wx Station				/
ln:	, > C	7	ln:	17.11			1444(3).			Takeoff			BTs	
111.	135		111.	1841			FE(s)	Darby		A/C Land		Good	Bad	Sent
Out:	115	7	Out:	1707	7		1 2(0)	Lalonde		700 Lana				
Out.	165.	>	Out.	1702			FD(s):	Holmes		Wx Station				
Total:	Z.D		Total:	1.7					Visitors:	Land				•
Total. 2.0 Total. 7.7				SEB:	Paul (Steven)	Erin McGarry (NBC)	Storm Number ID:							
Sponsoring Org: AOC					Underwood	Jim Craven (NBC)	(ie: AL072012)		10				
Program:				SSA:	Mascaro	Mascaro		TCPOD/WSPOD Mission						
Durnage				00/1.			(ie: NOAA2 2418A SANDY)		NOAA2 WXWXA TRAIN					
Purpose:				AVAPS:	Richards (T)		OBSERVATIONS							
AS REQUIRED BY ORM Y N			N	REMARKS Fix Number Obs Number Fix Time S				SLP						
VOLCA	NIC ASH			X										
SCIENCE MISSION WITHIN BDRY LAYER X			Х											
LACK OF PRECIPITATION X														
RELATIVE HUMIDITY ≥ 80% X			X											
LARGE AIR-SEA TEMP GRADIENT X			Χ											
HIGH SURFACE WINDS X			Х											
LONG FETCH / DURATION OF SFC WND X			Х											
SEA SALT ACCRETION FORECAST X				Х										
SEA SALT ACCRETION OBSERVED					X									

Additional	Remarks:
Audillonal	Nelliains.

Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.