N42RF ERROR SUMMARY 20180820H2

Flight ID: 20180820H2

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/20180820H2

Local	Met Data	Takeoff	PHNL	(1425Z)	Landi	ng PHNL	(2236Z)
	Dynamic Correction	ons				Yes	
	AttackAngleInterd	cept				2.31252	2
	AttackAngleSlope					6.06758	3
	SlipAngleInterce	ot				0.4295	
	SlipAngleSlope					7.17033	3

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.

Hurricane Lane - Cat IV - 3 passes

DAlpha.2 INOP. No impacts to real-time or post processed data. PDAlpha.1 was used as the source in both instances.

Expendable Type	# deployed	# good	<pre># transmitted</pre>
Dropsondes	12	11	1
Test sondes	0	0	0
AXBTs	5	2	3
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

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

ACAT-4 Version = 7.1

	NOAA Aircraft Operations Center - NOAA 42 Flight Manifest																							
	FLIC	GHT IN	FORMA	TION				CREW MAN	IFEST	MISSION INFORMATION														
FLT ID:	ID: 20180820H2 FLT #: 2						AC:	Kibbey	Scientists:	Pressure Dropsondes														
From:	PHNL		ETD:	1400Z	400Z		400Z		CP(s):	Mitchell		A/C Takeoff		Good	Bad	Sent								
To: PHNL E		ETA:	2200Z			CP(S).	Rossi	Heather Holbach (LPS)	A/C Takeon		1/	1	1.											
E	Block Time			Flight Time	light Time		Nav(s):	Richards (B)	Rob Rogers (HRD)	Wx Station		11	L	11										
In:	2240		In:	-72/			ivav(s).	Sloan	Lisa Bucci (HRD	Takeoff			BTs	BTs										
														0-32		_	FE(s)	Darby Lalonde		A/C Land		Good	Bad	Sent
Out:	14/2			142				Holmes		Wx Station		2	3	2										
Tatal	8.5	,	Total	8.2			FD(s):		Visitors:	Land														
Total: 8,		Total:	8 * 2			SEB:		Taylor Pechacek NOAA	Storm Number	r ID:														
Sponsoring Org: EMC					SED.	Peek	intern	(ie: AL072012	2)															
Progran	n:	PRX					SSA:	Richards (T)		TCPOD/WSP	OD Mission													
Purpose	٥.	TDR n	mission i	into Hurr I ANE						(ie: NOAA2 2418A SANDY) NOAA2 0414E LANE														
Purpose: TDR mission into Hurr LANE							AVAPS:	Paul	OBSER\	OBSERVATIONS														
	AS REC	QUIREI	D BY OF	RM	Υ	N		REMAR	KS	Fix Number	Fix Time SLP													
VOLCA	NIC ASH					Х			1															
SCIENCE MISSION WITHIN BDRY LAYER						Х			2	1/			× 964											
LACK OF PRECIPITATION						Х	3 X CAT TO PROMYS 3 18 1949						9 Ex	965										
RELATIVE HUMIDITY ≥ 80% X																								
						X		9																
HIGH SURFACE WINDS X								1																
LONG FETCH / DURATION OF SFC WND X																								
SEA SALT ACCRETION FORECAST X						X																		
SEA SALT ACCRETION OBSERVED						X																		

Additional Remarks:

Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

APPENDIX 1 – P3 QC Checklist

Flight ID:	20180810HZ
Flight Director(s):	Holmes

UWZ.d mean: ______/s

Pre	essure Con	nparison
	T/O	Land
Aircraft	1017	
Tower	1015	

	Raw 1Hz Mean File Parameters								C File Parameters			
Accelerometer		AccAXI.1		AccAYI.1	Γ	AccAZI.1	1	AccZfilter-GPS.1	Γ	AccZref		
,		AccAXI.2		AccAYI.2	Π	AccAZI.2	_	Acc-Zfilter-GPS.2	Γ		_	
		AccAXI-GPS.1		AccAYI-GPS.1	Γ	AccAZI-GPS.1	Γ		l			
		AccAXI-GPS.2		AccAYI-GPS.2		AccAZI-GPS.2	1		L			
Altitude	٥	AltGPS.1	y	Alti-GPS.1	,	AltPaADDU.1	6	AltRA.1	E	ALTref	Γ	AltRA1.c
	~	AltGPS.2	د	Alti-GPS.2	,	AltBCADDU.1	,	AltRA.2	r	ALTPA.d	Ī	AltRA2.c
	v	AltGPS.3								ALTGA.d	Γ	
	Ý	AltGPS.4										
∀ Ground Speed		GsXI-GPS.1		GsYl-GPS.1		GsZI-GPS.1	Γ		~	GSXref	Γ	
		GsXI-GPS.2		GsYl-GPS.2	Г	GsZI-GPS.2			Γ	GSYref	1	
	Г				_		•		6	GSZref	1	
√Lat/Lon		LatGPS.1		Lati-GPS.1		LonGPS.1		Loni-GPS.1	Ŀ	LATref		
		LatGPS.2		Lati-GPS.2		LonGPS.2		Loni-GPS.2		LONref	1	
		LatGPS.3				LonGPS.3			Г		•	
		LatGPS.4				LatGPS.4			l			
Pressure		PDALPHA.1		PQALPHA.1		PQM.1		PSM.1	ų	PDALPHAref		PQMref
		PDALPHA.2		PQBETA.1		PQM.2		PSM.2	V	∕PDBETAref		PQ.c
		PDBETA.1				PQM.3		PTM.1	-	PQALPHAref	0	PSMref
		PDBETA.2				PQM.4		·	6	PQBETAref	-	PS.c
√Air Speed	٠,	Ćas ADDU.1	4	TasADDU.1	,	las ADDU.1			Ч	TAS.d	1	TAS.d
Pitch/Roll		Pitchl.1		PitchRateI.1		RollI.1		RollRatel.1		PITCHref		
		PitchI.2		PitchRateI.2		Rolli.2		RollRatel.2		ROLLref		
/		Pitchl.3		PitchRateI.3		Rolli.3		RollRatel.3				
Temp/Dewpt	M	ЛТМ.1	4	TDM:I)		TRadD.1			9	TD.c		TTMref
1	¥	TM.2	7	TDM.2		TRadS.1				TDMref		TA.d
		TTM.3	Y	TDM.3		TRadU.1						
Miscellaneous									Ч	UWZ.d	ι	Ws.d
(must check)									۷	DPJ_WSZ	,	WD.d
/										HUM		

FLID_Mission_Documents.pdf:

۰	′''-	_Boodinontorpan
	~	Error Summary
	1	Crew Manifest
	2	QC checklist
	V	Dropwindsonde Log(s) – AVAPS and FD if completed
	V	Flight Track
	V	Miscellaneous FD notes

NOTES:

PDAlpha, 2 Inop

20180820H2 Flight Track

2018-08-20, 13:18:12-22:30:52

