N42RF ERROR SUMMARY 20170825H2

Flight ID: 20170825H2

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.1
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/2017/MET/20170825H2

Local	Met Data	${\tt Takeoff}$	KLAL	(1401Z)	Landing	KLAL	(2221Z)
	Dynamic Correction	ns			Y€	es	
	AttackAngleInterd	2.35256					
	AttackAngleSlope	6.11627					
	SlipAngleIntercep	ot			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.

TDR mission (1st half) and NESDIS mission (2nd half) into Hurricane Harvey...6 X Penny's in Harvey as it was a CAT III storm

Expendable Type	# deployed	# good	<pre># transmitted</pre>
Dropsondes	20	20	20
Test sondes	0	0	0
AXBTs	4	1	1
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

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

ACAT-4 Version = 7.1

				NOA	Α	Air	rcraft O	perations Cen	ter - NOAA 42 Flig	ht Manifes	st		6			
FLIGHT INFORMATION								CREW MAN	NIFEST	MISSION INFORMATION						
FLT ID:	20170825	H2	FLT#:	-			AC:	Kibbey V	Scientists:	Pres	sure	Dropsondes				
From:	KLAL		ETD:	1400Z	400Z		CP(s):	Rees		A /O T 65		Good	Bad	Sent		
То:	KLAL		ETA:	0100Z			Ci (s).	Kahn 🗸	P. Chang (NESDIS)	A/C Takeoff		2	• • • • • • • • • • • • • • • • • • • •			
E	Block Time FI		Flight Time			Nav(s):	Freeman /	J. Zawislak (HRD) 🗸	Wx Station		20	\mathcal{O}_{i}	20			
In:	771	7	ln:	23/7	7		14av(3).		L. Nguyen (HRD)	Takeoff			BTs			
	231	/		2311			FE(s)	Keystek	B. Klotz (HRD)	A /O 1 1		Good	Bad	Sent		
Out:	13	48	Out:	140	/		1 L(3)	Souza, Richard	Chris Mehta (USF)	A/C Land				46		
	, , ,	1	- Out.	110			FD(s):	Holmes	Z. Jelenak (NESDIS)✓	Wx Station			3	(15)		
Total:	9,5		Total:	9.25			1 0(3).		Visitors:	Land						
	V -4			(, ()			SEB:	McAlister	Thomas Beau Zimmer - Press	Storm Number ID:		11.0000.17		-		
	ring Org:	EMC/N	1HC				OLD.	Delgado 🗸	Mitchell Wallace - ress	(ie: AL072012	2)	AL092017	<i>(</i>			
Program	1:	PRX				SSA: Naeher		Chris Ruf (NESDIS)	TCPOD/WSPOD Mission							
Purpose: TDR				Jason Sippel		Jason Sippel	(ie: NOAA2 2418A SANDY) NOAA2 1809A HARVE									
							AVAPS:		OBSERVATIONS							
	AS REC	QUIRED	BY OF	RM	Υ	N		REMARI	KS	Fix Number	Obs Number	Fix Time		SLP		
VOLCA	VIC ASH					X			1)	1 1430 9			47		
SCIENC	E MISSION	WITH	IN BDR	Y LAYER		X	6	X Hurr	icane fennies	7,	- 7.	1550		44		
LACK O	F PRECIPI	MOITAT	N			X										
RELATI	VE HUMID	ITY ≥ 80	D%		Χ											
LARGE AIR-SEA TEMP GRADIENT			X				2									
HIGH SURFACE WINDS X			- 4	2												
LONG FETCH / DURATION OF SFC WND X																
SEA SALT ACCRETION FORECAST X				X				,								
SEA SA	LT ACCRE	TION O	BSERV	/ED		X										
Addition	al Remark	s:						16	*Highlighte	d items must b	e completed be	efore depa	rture.			

Cockpit Gmax:

Gmin:

APPENDIX 1 - P3 QC Checklist

Flight ID:	20170825112
Flight Director(s):	Holmes

Pressure Comparison

T/O Land

Aircraft 1008

Tower 1009 1008

UWZ.d mean: 0,20

	Raw 1Hz Mean File Parameters									C File Parameters			
Accelerometer		AccAXI.1	Γ	AccAYI.1		AccAZI.1		AccZfilter-GPS.1		AccZref			
	Г	AccAXI.2	Π	AccAYI.2		AccAZI.2		Acc-Zfilter-GPS.2					
	Γ	AccAXI-GPS.1	Γ	AccAYI-GPS.1		AccAZI-GPS.1			l				
		AccAXI-GPS.2	L	AccAYI-GPS.2		AccAZI-GPS.2							
Altitude	,	AltGPS.1		Alti-GPS.1		AltPaADDU.1	,	AltRA.1		ALTref		AltRA1.c	
	7	AltGPS.2		Alti-GPS.2	Γ	AltBCADDU.1	Ĺ	ÁltRA.2	·	ALTPA.d	Γ	AltRA2.c	
_	3	AltGPS.3	-	>						ALTGA.d	Г		
	F	AltGPS.4	1										
∀Ground Speed	Γ	GsXI-GPS.1	Γ	GsYI-GPS.1	Г	GsZI-GPS.1				GSXref			
	Γ	GsXI-GPS.2	Γ	GsYI-GPS.2	Γ	GsZI-GPS.2				GSYref			
	Г		.		_		•			GSZref			
¥Lat/Lon	Γ	LatGPS.1	Γ	Lati-GPS.1	Γ	LonGPS.1		Loni-GPS.1		LATref			
-	Γ	LatGPS.2	Γ	Lati-GPS.2	Γ	LonGPS.2		Loni-GPS.2	Г	LONref			
	Γ	LatGPS.3	Γ		Г	LonGPS.3					•		
	Γ	LatGPS.4	1			LatGPS.4							
Pressure	Γ	PDALPHA.1	Γ	PQALPHA.1	Γ	PQM.1		PSM.1		PDALPHAref		PQMref	
	Γ	PDALPHA.2	Γ	PQBETA.1	Г	PQM.2	П	PSM.2		PDBETAref		PQ.c	
		PDBETA.1	Г			PQM.3		PTM.1	Г	PQALPHAref		PSMref	
	Γ	PDBETA.2				PQM.4				PQBETAref		PS.c	
Air Speed		CasADDU.1		TasADDU.1		lasADDU.1				IAS.d		TAS.d	
Pitch/Roll		Pitchl.1		PitchRateI.1		Rolli.1		RollRatel.1		PITCHref			
		Pitchl.2		PitchRate1.2		Roll1.2		RollRatel.2		ROLLref			
		PitchI.3		PitchRate1.3		Rolli.3		RollRatel.3					
√Temp/Dewpt	V	TTM.1	V	TDM.1		TRadD.1 '				TD.c		TTMref	
	7	ттм.2	V	TDM.2		TRadS.1				TDMref		TA.d	
		TTM.3		TDM.3		TRadU.1							
Miscellaneous	Γ								L	UWZ.d	é	∕výs.d	
(must check)									L	DPJ_WSZ	4	WD.d	
,	ı									ним			

FLID_Mission_Documents.pdf:

Error Summary

Crew Manifest

QC checklist

Dropwindsonde Log(s) – AVAPS and FD if completed

Flight Track

Miscellaneous FD notes

NOTES:

1) PDAlpha, 2 was Am sepresentative for the first and last 25% of the mission

2) ~ 2mb A between psm. 1 and psm. 2 * source

NOAA • AOC • SED N42RF AVAPS DROP LOG Lead Tech: Mike Mascaro

Project: Hurricane 2017
Take Off: 1960 Z Filt Dir: Filt Dir:

rake O	ff: 1900 Z	.anding.			I- 1	Observe	Comments	Good
Drop	Sonde Serial	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	4	?
# . 1	#	1	-1.0	16360	Mac	4500	(P	1
2	14325555	2	-0.7	1(52		NSDIS	MW	V 1
3	142515114	3	-1.0	1654		NSDIS	MW	V
4	144635062	4	-1.0	1/57		NHC	rCTR/Combo	V_
5	144535111	1	-1-0	1700		NSDIS	MW.	V
6		2	-1.4	1719		HFIP	Point 2/Combo	, V
7	160625060	3	-2.3	1747		HEIR	Point 3/Combo	V .
8	160625199	4	-1.4	1813		NSDIS	MW	V
9	143525678	- (-0.9			NHC	Mark Center	V
10	143215675	2	-0.7	1819		NSOIS	Compo/MW	V
11	144635064	3	-1.2	-		HEIP	End Point Drop	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
12	160215006	4	-1. C) 1857		NSIDIS		1
13	142615121	Ì	-04	1901		-	P. Chang / Gd Drop	J
14	14014551517	2	-1.2	1914			P. Chang /16/223013	1
15	143335042	3	-1.6	1915			P. Chang /7d Drap	
16	142835052	4	1.0	1924			P. Chang / Gol Drop	V
17	141225012		-0.1	7 2004		\bot	141225043/ Good VD / PChange)
18	142615018	2	-0.9	2009			P. Chay / Good Sonde	1
19	141235003	3	-6.	1 2027	!		P. Chang / Good Sonde	/
20	141225059	4	-0.7	2037		NSOFE	> PChang/ Good Sonde	
21	140,500		-0.	u .		,		
22	14:155.16		1					. \
23	615	3						
24	1411225052				J			+
25	(4)30 July 180							
26	143516004						1 7	
27	wii i							1
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29								
30								
31						, .		1, "
32	2		4					
33	3		Y		1 41,			
34	1					2017		

AXBT Log

Mission TS Hower	akeoff Time	10154
Flight ID 20170824H2	Landing Time	1830 L

	Drop	Ch	Drop Time HHMM	PMD560 Track #	Log File Name	SST	Notes
	. [14	1439	001	10000000 Log00000	30.190	Bad BT/No Dota Good BT
	3	14	1759	005	logocool		Bad BT/No Data
	5	17	1852	003	10000001	30.23	Good BT Bad BT/No Data
	6	12	2022	004	10g 00002		Erratic Data / Bad BT
Mis	5100	e Ho	MARICAN	ne Ho		eoff to	ne : 1400 Z
Fligh	X T	- U S	20170	823Ho	Lar	nd Tin	
	2	13	1657	001	100 00000 1		Bod BT/No Dates Erroctic Data/Bad
	3	12	1747	003	100002	29.8C	Good BT Bad BT/Errotic Pata
:	7	12	1819	004	10g 0000 3		Bad BI / Emallichala
e de la companya de l							
Vicerboaristernteessassassassassassassassassassassassass							
⁴¹ Print de Charles (Carachian Charles)							
-							

20170825H2 Flight Track

08/25/2017, 12:27:48-23:17:27

