N42RF ERROR SUMMARY 20180909H1

Flight ID: 20180909H1

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/20180909H1

Met Data	Takeoff	TXKF	(1141Z)	Landing TXKF	(1959Z)
Dynamic Correctio	ons			Yes	
AttackAngleInter	cept			2.31252	
AttackAngleSlope				6.06758	
SlipAngleIntercep	ot			0.4295	
SlipAngleSlope				7.17033	
	Dynamic Correction AttackAngleInteron AttackAngleSlope SlipAngleIntercep	Dynamic Corrections AttackAngleIntercept AttackAngleSlope SlipAngleIntercept	Dynamic Corrections AttackAngleIntercept AttackAngleSlope SlipAngleIntercept	Dynamic Corrections AttackAngleIntercept AttackAngleSlope SlipAngleIntercept	Dynamic CorrectionsYesAttackAngleIntercept2.31252AttackAngleSlope6.06758SlipAngleIntercept0.4295

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 and PQM.1 failed after 1840Z. Niether of these parameters affected the real-time or post processed datasets as neither were selected as the source.

Expendable Type	<pre># deployed</pre>	# good	<pre># transmitted</pre>
Dropsondes	24	24	24
Test sondes	0	0	0
AXBTs	8	6	6
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

	FLIGH1	INFORM	ATION				CREW	ANIFEST		MISSION INF	ORMATIC	ON	
FLT ID:	20180909H1	FLT #	: 3			AC:	Kibbey	Scientists:	Pres	sure	Dr	opsonde	es
From:	TXKF	ETD:	1200Z			CP(s):	Abitbol		A/C Takeoff		Good	Bad	Sent
To:	TXKF	ETA:	1800Z			CP(S).	Rossi	Paul Change (NESDIS)	AVC TAKEON		24	Ø	24
E	Block Time		Flight Time			Nav(s):	Urato	Zorana Jelenak (NESDIS			6	d 0 4	
lni		- In		~/		Nav(S).	Richards	Joe Sapp (NESDIS)	Takeoff			BTs	
ln:	2005		. 1950	Image: Second state st		Jon Zawislak (HRD)	A/C Land		Good	Bad	Sent		
Out:	0.4			()		1 –(3)	Lalonde	Paul Reasor (HRD)			1	2	1
Out.	1/35	Out	t:)/4	/		FD(s):	Holmes	olmes Heather Holbach (HRI			6	have	6
Total:	8.5	Tota				10(3).		Visitors:	Land				
015			SEB:	Greene				AL062018	62018				
Sponsoring Org: NESDIS / HRD / NWS			028.			(ie: AL072012	2)						
Program: PHX			SSA:	Mascaro		TCPOD/WSP							
Purpose	Purpose: FLORENCE (Hur. 'ant		۱ د	1			al an	(ie: NOAA2 24	418A SANDY)	WB06A F	LORENC	E	
r urpos				iv j		AVAPS:	Underwood		OBSERVATIONS				
	AS REQUI	RED BY C	DRM	Y	Ν		REM	IARKS	Fix Number	Obs Number	Fix Time		SLP
VOLCA	NIC ASH			Ĺ	X				/	1	1413		185
SCIEN	CE MISSION W	ITHIN BD	RY LAYER		Х				2	7	1521		984
LACK	OF PRECIPITA	ΓΙΟΝ			X				3	3	1630		
RELAT	IVE HUMIDITY	≥ 80%		Ý		5 × Hulvicane @ fenny's			Ч	nov		e	980
LARGE	AIR-SEA TEM	P GRADI	ENT		Х		1.0.000 accession (1.0.0.00)		5	NO	NOM		
HIGH SURFACE WINDS X													
LONG	FETCH / DURA	TION OF	SFC WND	X									
SEA SA	ALT ACCRETIC	N FORE	CAST		Х								
SEA SA	ALT ACCRETIC	N OBSER	RVED		X	-							

Additional Remarks:

Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

APPENDIX 1 – P3 QC Checklist

Flight ID:	2018090941
Flight Director(s):	Holmes

Pre	essure Con	nparison
	T/O	Land
Aircraft	1012	10/1
Tower	/	/

/	R	aw 1Hz Mea	n File Param	eters	C File F	Parameters
Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1	AccZfilter-GPS.1	⁴ 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	Alti-GPS.1	AltPaADDU.1	AltRA.1	ALTref	AltBA1.c
	AltGPS.2	AltI-GPS.2	AltBCADDU.1	AltRA.2	ALTPA.d	AltRA2.c
	AltGPS.3				ALTGA.d	
1	AltGPS.4					
Ground Speed	∿GsXI-GPS.1	GsYI-GPS.1	GsZI-GPS.1		U GSXref	
	GsXI-GPS.2	GsYI-GPS.2	GsZI-GPS.2	н.	GSYref	
/					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	POM-2	PSM.2	PDBETAref	PQ.c
	PDBETA.1		PQM.3	VPTM.1	POALPHAref	PSMref
/	PDBETA.2		PQM.4		PQBETAref	UPS.c
✓ Air Speed	CasADDU.1	TasADDU.1	lasADDU.1		VIAS.d	TAS.d
Pitch/Roll	Pitchl.1	PitchRatel.1	RollI.1	RollRatel.1	PITCHref	
	Pitchl.2	PitchRatel.2	Roll1.2	RøllRatel.2	ROLLref	
	Pitchl.3	PitchRatel.3	Roll1.3	RollRatel.3		
பீTemp/Dewpt	TTM.1	TDM-1	TRadD.1		UTD.c	V TTMref
		TDM2	TRadS.1		TDMref	TA.d
	Атм.з	TDM.3	<u>IRadU.1</u>		-,	
Miscellaneous					UWZ.d	WS.d
(must check)				L		WD.d
/					ним	

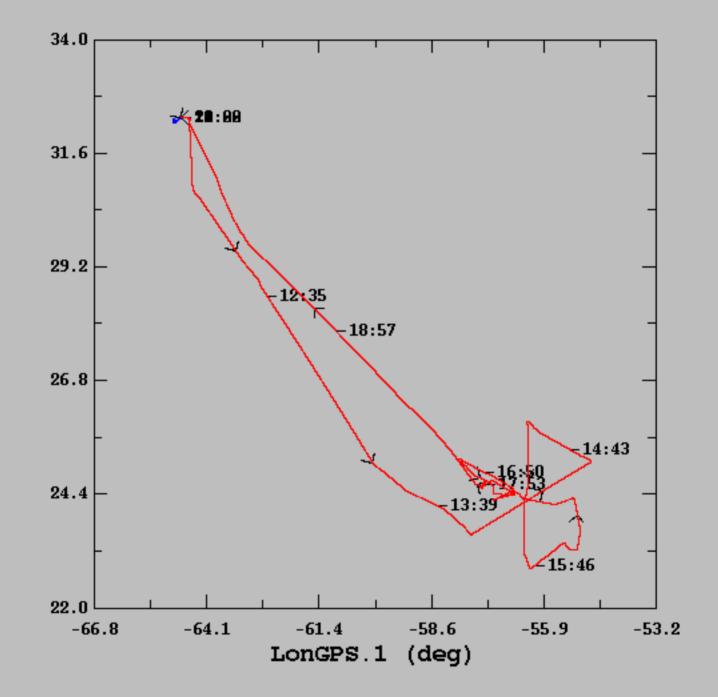
FLID_Mission_Documents.pdf:

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

NOTES: PDAlpha. 2 inof POM. 1 Failed after 13402

20180909H1 Flight Track

09/09/2018, 10:28:41-20:00:55



LatGPS.1 (deg)

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

mean	sigma	min	max
26.99 -59.66	3.19 3.45	22.83 -64.69	32.37 -54.77
-32.00	3.45	-04.03	-54.77

Take O	: Hurricane 2018 /ff : <u> /39-2</u>	Landing	:	1 1101 6 1110	Flt D	ir:	ID: <u>2018090941</u> Holmes RMW-N	IS OT
Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time7-	Operato	Charge \$\$ To		Good ?
1	164445075)	-1.5	1350	NGU	HRD	IP, in hound (JB)	
2	163335091	2	-0.8	1402	1	HRD	Midypint, combo, IB	V
3	164445017	3	-0.6	1408	V	NESATS		V
Ą	163455001	4	-0.5	1409		1	RMN IB	V
5	163025095	1	-0.4	1412		Vr	RMW, IB.	\checkmark
6	16.4545034	2:	0.0	14/3		NWS	Center CAA.	V
2	163335080	3	-0,5	1416		Nerdis	RYW, OB	
8	164915038	.4	-0.5	1425		HRD	Midgosiat, conto, OB,	V
9	163445140	1	-0,1	1435		HRD	Endpoint, OB	V
10	164625036	2	+0,2	1458		HRD	Endpoint, IB	V
11	162825056	3	-0.2	1509		HRD	Midwaint, IB, combo	1
12	163025085	4	-0,6	1521	1	NWS	Center	V
14	163 453 021	5	-0.6	1533		HRD	Midda J, OR, combo	V
75	164915033	6	-0.8	1544	`	HRD	Endpoint, OB	1
16	184625046	7	-0.6	161/		HKD	Outside band drop, IB	12
17	164545009	8	- Oel	1621		HRU	Enclaint, IB	V
4.8	163025044	1	-1.8	1636		NWS	Center	L
19	163335014	2	-0,7	164/		HRD	Midpoint, combo, OB	V
20	164625060	_5	0.0	1658		HRD	Endpoint, OB	V
20	164625035	4	D.D	1721		Nesdis	RMW, combo, IB	V
22 .	163455070	1	-0,4	1/58		NWS	Center 100	- Kor
23	162145031	3	-0.5	1/45		NESTIS	RMW, combo, OB	1
24	16754500L	3 4	-11.6	1747		HKL	Circles, combo, fast	7
25	163 325 064	7	-0,1	1/50		·HRD	Circles, backage,	V
26						0		
27				~				
28						N	· · · · · · · · · · · · · · · · · · ·	
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