				NOA	A	Air	craft O	perations Cen	ter - NOAA 42 F	ight Manifes	st			
FLIGHT INFORMATION					CREW MA	MISSION INFORMATION								
FLT ID:	LT ID: 20180915H1 FLT #: 5			AC:		Price	Scientists:	Pressure		Dropsondes				
From:	TISX		ETD:	2230			CP(s):	Kahn		A/C Takeoff		Good	Bad	Sen
То:	TISX		ETA:	5+00			01 (3).	Abitbol		A/C Takeon		3		7
Block Time Flight Time				Nav(s):	Richards		Wx Station Takeoff		D BTs)			
În:	07	21	In: 0717		- 2	FE(s)	Sanchez Heystek		A/C Land	,	Good	Bad	Sen	
Out:	022	2	Out:	025	3		FD(s):	Sears	Visitors:	Wx Station Land				
Total:	5.	0	Total: 4,8				Assessment of		Storm Numbe	r ID:	AL09201	8		
Sponsoring Org: NHC			W.F.	SEB:	Peek		(ie: AL072012	2)						
Prograr								Richards		TCPOD/WSPOD Mission		0509A IS	SAAC	
		10440					SSA:			(ie: NOAA2 24	418A SANDY)			
Purpos	e:	ISAAC					AVAPS:	Warnecke		OBSERVATIO				
	AS RE	QUIRED	BY OF	RM	Y	N		REMA	RKS	Fix Number Obs Number Fix Time			SLP	
VOLCA	NIC ASH					Х								
SCIEN	CE MISSIO	N WITH	IN BDR	RY LAYER		Х								
LACK OF PRECIPITATION X		X		9										
RELAT	IVE HUMID	ITY≥8	0%		X				8		5			
LARGE	AIR-SEA	ГЕМР С	RADIE	NT		X								
HIGH SURFACE WINDS X														
LONG FETCH / DURATION OF SFC WND X														
SEA SA	ALT ACCRE	ETION F	OREC	AST		X								
SEA SA	ALT ACCRE	ETION C	DBSER\	VED										
Additio	nal Remark	(S:							*Highli	ghted items must b	oe completed b	efore depa	arture.	

N42RF ERROR SUMMARY 20180915H1

Flight ID: 20180915H1

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/20180915H1

Local	Met Data	Takeoff TISX	(0235Z)	Landing TISX (0717Z)
	Dynamic Correction	ns		Yes
	AttackAngleInterd	cept		2.31252
	AttackAngleSlope		6.06758	
	SlipAngleIntercep		0.4295	
	SlipAngleSlope		7.17033	

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.

Note: QC accomplished by Mike Holmes (mike.holmes@noaa.gov).

PDAlpha.2 INOP. This instrument failure did not affected the real-time collection or the post processed data as it was not selected as the source instrument.

Expendable Type	<pre># deployed</pre>	# good	<pre># transmitted</pre>
Dropsondes	3	3	3
Test sondes	0	0	0
AXBTs	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Sears

Phone #:

APPENDIX 1 - P3 QC Checklist

Flight ID:	2018091541
Flight Director(s):	Sears

Pressure Comparison							
	T/O	Land					
Aircraft	1011	**meet of the latter late of the latter late of the la					
Tower	1012	- Committee of the Comm					

UWZ.d mean: $\frac{0.01 \text{ m/s}}{}$

	J i	Raw 1Hz Mea	C File Parameters			
Accelerometer	AccAXI.1	AccAYI.1	4AccAZI.1	AccZfilter-GPS.1	AccZref	
,	AccAXI.2	vÁccAYI.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	4AltGPS.1	Alti-GPS.1	AltPaADDU.1	Altra.1	4ALTref	4AltRA1.c
	₩AltGPS.2	Alti-GPS.2	AltBCADDU.1	ÁltRA.2	LALTPA.d	AltRA2.c
	AltGPS.3				LALTGA.d	
	AltGPS.4	1	4			
Ground Speed	GsXI-GPS.1	GsYI-GPS.1	GsZI-GPS,1		€ GSXref	
	GsXI-GPS.2	GsYI-GPS.2	GsZI-GPS.2	1	GSYref .	7
				·	4GSZref	1
Lat/Lon	LatGPS.1	4 Lati-GPS.1	LonGPS.1	Coni-GPS.1	LATref	
	LatGPS.2	Lati-GPS.2	LonGPS.2	Loni-GPS.2	LONref	1
	LatGPS.3		LonGPS.3			-
/	LatGPS.4		LatGPS.4			
Pressure	PDALPHA.1	POALPHA.1	PQM.1	PSM.1	PDALPHAref	C PQMref
	PDALPHA.2	PQBETA.1	PQM.2	PSM.2	PDBETAref	LPQ.c
	PDBETA.1		PQM.3	PTM.1	POALPHAref	4-PSMref
1	PDBETA.2		₽QM.4	, .	POBETAref	^t -₱S ₋ c
Ajr Speed	ÇasADDU.1	4TasADDU.1	fasADDU.1		fAS.d	TAS.d
Pitch/Roll	Pitchl.1	PitchRateI.1	Rolli.1	RollRatel.1	PITCHref	
	Pitch1.2	PitchRate1.2	Roll1.2	RollRatel.2	ROLLref	1
	Pitehl, 3	PitchRate1.3	Rolli.3	RollRatel.3		
Temp/Dewpt	HEM.I	TOM.1	TRadD.1		JD.c	4TTMref
_	4TM.2	TDM2	TRadS.1		TDMref	TÀ.d
	TTM.3	TDM.3	TRadU.1			' ~
Miscellaneous					UWZ.d	4ws,d
(must check)				L	DPJ_WSZ	WD.d
,				4	HUM	

FLID_Mission_Documents.pdf:

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

NOTES:

PDAIPha. 2 Inot.

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

Project: Hurricane 2018 Mission: STAC Flight ID: 2018 09 15 H 2

Take Off: 2322 Landing: Flt Dir:

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?	
1	163835117	1	1	0422	Jaw	NWS	CTR PT#1	1	1
2	144425012	.1-	0	0527	Jaw	NWS			1
3	163615.168	: 1	-,8	0541	JEW	NWS	C12 PT# 3	- Commence	
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34	,								

20180915H1 Flight Track

2018-09-15, 02:38:39-07:11:58

