	FLIGHT	NFORMA	ATION				CREWI	MANIFEST		MISSION IN	FORMATI	ON	20678	
FLT ID:	20180912H2	FLT #:	2			AC:	Price	Scientists:	Pres	Pressure		Dropsondes		
From:	TISX	ETD:	2130Z				Kahn				Good	Bad	Sent	
To:	TISX	ETA:	8+00			CP(s):	Abitbol	Joe Sapp (NESDIS)	A/C Takeoff					
E	Block Time		Flight Time			Neuro	Sloan		Wx Station		15	0	15	
Inc		In	17-	~		Nav(s):	Richards		Takeoff			BTs		
In:	0632	In:	062	9			Heystek	Gus Alaka (HRD)	A/C Land		Good	Bad	Sent	
Out:	2121	Out	2122			FE(s)	Sanchez	Kelly Ryan(HRD)	A/C Land					
Out.	2126	Out:	2132			FD(s):	Sears	Jon Zawislak (HRD)	Wx Station]			
Total:	~ 1	Total:	0.6	÷		FD(S).		Visitors:	Land					
Total.	Yel	Total.	9,6	4		SEB:	Service Service		Storm Numbe	er ID:	AL0920	18		
Sponsoring Org: NHC			SED.	Peek		(ie: AL072012	2)							
Program	n:					SSA:	Richards		TCPOD/WSPOD Mission		0209A I	SAAC	-	
Purpose: ISAAC			55A.	(ie: NOAA2 2418A SAND		418A SANDY)								
ruipose	5. 10/v	ic				AVAPS:	Warnecke		OBSER		VATIONS			
	AS REQUIR	ED BY OF	RM	Y	N		REM	IARKS	Fix Number	Obs Number	Fix Tim	e	SLP	
VOLCA	NIC ASH				X									
SCIENC	CE MISSION WI	HIN BDF	RY LAYER		Х									
LACK C	OF PRECIPITATI	ON			X									
RELAT	IVE HUMIDITY ≥	80%		X										
LARGE	AIR-SEA TEMP	GRADIE	NT		Х									
HIGH S	URFACE WIND	3		X										
LONG I	ETCH / DURAT	ION OF S	SFC WND	X			-							
SEA SALT ACCRETION FORECAST)	2						
SEA SA	ALT ACCRETION	OBSER	VED											
Additio	nal Remarks:							*Highlig	hted items must l	pe completed b	efore dep	arture.		
Cockpi	t Gmax:		Gmin:											

N42RF ERROR SUMMARY 20180912H2

Flight ID: 20180912H2

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/20180912H2

Local Met Data	Takeoff TISX ((2132Z) La	nding TISX (0629Z)
Dynamic Correcti	ons		Yes
AttackAngleInter	cept		2.31252
AttackAngleSlope			6.06758
SlipAngleInterce	pt		0.4295
SlipAngleSlope			7.17033
SlipAngleInterce			0.4295

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.

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

PDAlpha.2 INOP and TDM.1 was unrepresentavive throughout flight. Neither of these instrument failures affected the real-time collection or the post processed data as neither were seleceted as the source instrument.

Expendable Type	<pre># deployed</pre>	# good	<pre># transmitted</pre>
Dropsondes	15	15	15
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 #:

ACAT-4 Version = 7.2.2

APPENDIX 1 – P3 QC Checklist

Flight ID:	20180912H2
Flight Director(s):	Stars

Pressure Comparison							
,	T/O	Land					
Aircraft	1009						
Tower	1210						

UWZ.d mean:	0,03	m/s
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(Raw 1Hz Mea	C File Parameters	
Accelerometer	YAÇCAXI.1 ACCAYI.1	AçcAZI.1 AceZfilter-GPS.1	AccZref
,	AccAXI.2 AccAYI.2	AçcAZI.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
	_AltGPS.4		
Ground Speed	GsXI-GPS.1 GsYI-GPS.1	GsZI-GPS.1	GSXref
	GsXI-GPS.2 GsYI-GPS.2	GsZI-GPS.2	GSYref
			GSZref
ULat/Lon	LatGPS.1 Lati-GPS.1	LORGPS.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 POALPHA.1	POM.1 PSM.1	(PDALPHAref (P@Mref
	PDALPHA.2 POBETA.1	PQM.2 PSM.2	PDBETAref PQ.c
	PDBETA.1	PQM.3 PTM.1	POALPHAref PSMref
- VAIN Constant	UPDBETA.2		POBETAref PS.c
Air Speed		and the second sec	TAS.d TAS.d
Pitch/Roll	Pitchl.1 PitchRatel.1		PITCHref
	Pitchl.2 PitchRatel.2	RollRatel.2	ROLLref
Kr (D)	Pitchl.3 PitchRatel.3	RollI.3 RollRatel.3	
Temp/Dewpt	TIM-1 TEDM.1		fD.c LFTMref
-	TTM.2 (TDM.2 /	TRadS.1 CRadU.1	TDMref TA.d
UMiscellaneous	TTM.3 TDM.3		twz.d 4ws.d
			any firm and an a firm and an a second and a
(must check)			бр <u>ј_wsz</u> 4wd.d Ним
,		1	пом

FLID_Mission_Documents.pdf:

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

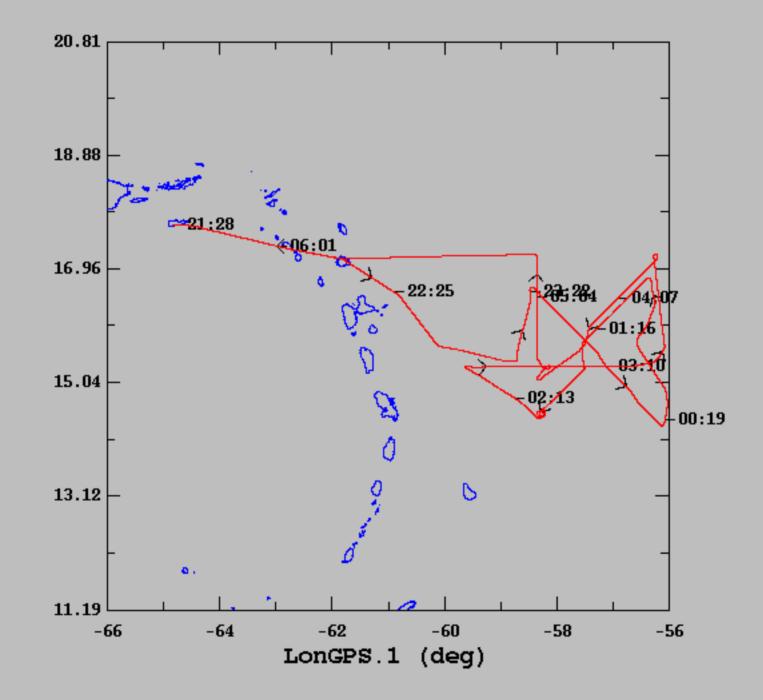
NOTES:

PDALALA. Z 2008. JDM. / UN representative throughout Flight. > used JDM. Z

/	Aurricane 2018	ED N Mission	42RF	AVAPS	DROP L	_O <u>G</u> Elight	Lead Tech: Mike Mascaro	
/	Aurricane 2018 (: <u>2132 </u>	Landing:			FIt D	ir:	ID: 20180912HZ	
ρ	Sonde Serial	Rcvr	Press	Launch		Charge	Comments	Good
<u>#,</u>	#	#	Offset			\$\$ To		?
	152225033	1	-4	2258	JW	NWS	. Inband Legt	
2	164345042	2	V.	2324	-	1	Inbound Log #1.	V
3	152235099	3	-3	2353				V
4,	169345047	4	-3	0016				V
5	164015701		- 7	0058				V
ÝQ.	163445155	2.	.3	0115				V
X	164345036	3	.3	0128		Coloradore	~	
8	164 345025	4	-,6	0144			. /	V
Å,	164345053	1	-,3	0228		KOMANJINATILOOD		4
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14.	164345176	3	-3	0458		-	8	V
45	16A425009	4	-2	0514	~	J.		b
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31								
32								
33								
34								

20180912H2 Flight Track

2018-09-12, 21:28:18-30:01:24



LatGPS.1 (deg)

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

mean	sigma	min	max
15.96	0.91	14.31	17.70
-58.58	2.12	-64.82	-56.01