

N43RF ERROR SUMMARY  
20200916I1

Flight ID: 20200916I1

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/2020/MET/20200916I1

Local Met Data	Takeoff KLAL (1918Z)	Landing TISX (0000Z)
Dynamic Corrections		Yes
AttackAngleIntercept		0.122351
AttackAngleSlope		6.0273
SlipAngleIntercept		0.214857
SlipAngleSlope		7.10815

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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.

Reposition flight to TISX for Hurricane Teddy research. GPS.4 unavailable. 10-15 mb difference between PSM.1 and PSM.2, most pronounced at higher altitude. PitchI.3 and RollI.3 unavailable. TTM.3 inoperative. TDM.1 and TDM.3 inoperative. TDM.2 questionable between 2157 and 2250Z. TRadU.1 inoperative.

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	0	0	0
Test sondes	0	0	0
AXBTs	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Carpenter / Parrish  
Phone #: 863-500-3901

ACAT-4 Version = 7.3

**U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N43RF Manifest**

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	2020091611	FLT #:	20-79	AC:	Rossi	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1900Z	CP(s):	Doremus	Dunion, Jason	A/C Takeoff	<b>1008.4</b>	Good	Bad	Sent
To:	TISX	ETA:	2300Z		ASOS Takeoff		KLAL 1850Z <b>1008.3 mb</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Block Time		Flight Time		NAV:	Freeman	Visitors:	A/C Land	<b>1010.9</b>	Good	Bad	Sent
In:	<b>23:05</b>	Land:	<b>22:57</b>	FE(s):	Heystek		ASOS Land	TISX 2253Z <b>1010.2 mb</b>	<b>0</b>	<b>0</b>	<b>0</b>
Out:	<b>19:11</b>	T/O:	<b>19:18</b>	FD(s):	Sanchez	SansSouci (MX)	Storm Number ID:		<b>N/A</b>		
Total:	<b>3.9</b>	Total:	<b>3.7</b>	SSA:	Richards/T		(ie: AL072012)				
Sponsoring Org:		HRD		SEB:		TCPOD/WSPOD Mission		<b>NOAA3 WXWXA TRAIN</b>			
Program:		PHX					(ie: NOAA2 2418A SANDY)				
Purpose:		Reposition to TISX.		MX:	Kregelka	OBSERVATIONS					
AS REQUIRED BY ORM			Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP		
VOLCANIC ASH				X		<b>1</b>					
SCIENCE MISSION WITHIN BDRY LAYER				X		<b>2</b>					
LACK OF PRECIPITATION			X			<b>3</b>					
RELATIVE HUMIDITY ≥ 80%			X			<b>4</b>					
LARGE AIR-SEA TEMP GRADIENT				X							
HIGH SURFACE WINDS				X							
LONG FETCH / DURATION OF SFC WND				X							
SEA SALT ACCRETION FORECAST				X							
SEA SALT ACCRETION OBSERVED				X		<b>Pennies:</b>					

\*Highlighted items must be completed before departure.

Remarks:

## P-3 QC Checklist

Overall Assessment	Minor instrument issue(s) - minimal mission impact.
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Flight ID:	2020091611
Flight Director(s):	Carpenter / Parrish
Mission:	Ferry
UWZ.d mean:	-0.08

Pressure Comparison		
	T/O	Land
Aircraft	1008.4	1010.9
Tower	KLAL 1850Z 1008.3 mb	TISX 2253Z 1010.2 mb

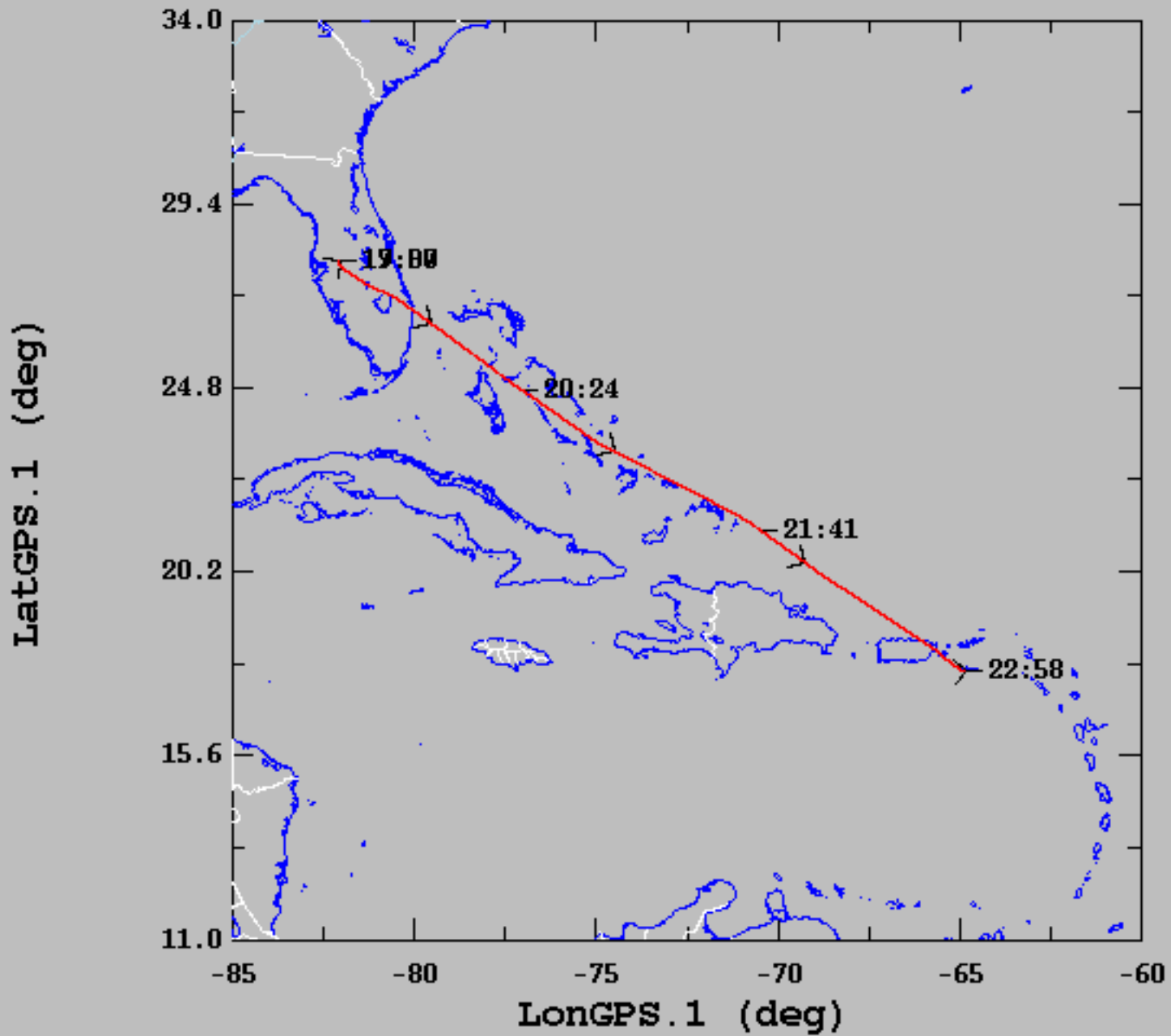
	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	✓ AccAXI.1 ✓ AccAXI.2 ✓ AccAXI-GPS.1 ✓ AccAXI-GPS.2	✓ AccAYI.1 ✓ AccAYI.2 ✓ AccAYI-GPS.1 ✓ AccAYI-GPS.2	✓ AccAZI.1 ✓ AccAZI.2 ✓ AccAZI-GPS.1 ✓ AccAZI-GPS.2	✓ AccZfilter-GPS.1 ✓ AccZfilter-GPS.2	✓ AccZref	
✓ Altitude	✓ AltGPS.1 ✓ AltGPS.2 ✓ AltGPS.3 X AltGPS.4	✓ AltI-GPS.1 ✓ AltI-GPS.2	✓ AltPaADDU.1 ✓ AltBCADDU.1	✓ AltRA.1 ✓ AltRA.2	✓ ALTref ✓ ALTPA.d ✓ ALTGA.d	✓ AltRA1.c ✓ AltRA2.c
✓ Ground Speed	✓ GsXI-GPS.1 ✓ GsXI-GPS.2	✓ GsYI-GPS.1 ✓ GsYI-GPS.2	✓ GsZI-GPS.1 ✓ GsZI-GPS.2			
✓ Lat / Lon	✓ LatGPS.1 ✓ LatGPS.2 ✓ LatGPS.3 X LatGPS.4	✓ LatI-GPS.1 ✓ LatI-GPS.2	✓ LonGPS.1 ✓ LonGPS.2 ✓ LonGPS.3 X LonGPS.4	✓ LonI-GPS.1 ✓ LonI-GPS.2	✓ LATref ✓ LONref	
✓ Pressure	✓ PDALPHA.1 ✓ PDALPHA.2 ✓ PDBETA.1 ✓ PDBETA.2	✓ PQALPHA.1 ✓ PQBETA.1	✓ PQM.1 ✓ PQM.2 ✓ PQM.3 ✓ PQM.4	✓ PSM.1 ✓ PSM.2 ✓ PTM.1	✓ PDLAPHaref ✓ PDBETAref ✓ PQALPHAref ✓ PQBETAref	✓ PQMref ✓ PQ.c ✓ PSMref ✓ PS.c
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1	✓ IasADDU.1			
✓ Pitch / Roll	✓ PitchI.1 ✓ PitchI.2 X PitchI.3	✓ PitchRateI.1 ✓ PitchRateI.2 X PitchRateI.3	✓ RollI.1 ✓ RollI.2 X RollI.3	✓ RollRateI.1 ✓ RollRateI.2 X RollRateI.3	✓ PITCHref ✓ ROLLref	
✓ Temp / Dewpt	✓ TTM.1 ✓ TTM.2 X TTM.3	X TDM.1 ✓ TDM.2 X TDM.3	✓ TRadD.1 ✓ TRadS.1 X TRadU.1	✓ TD.c ✓ TDMref ✓ TTMref ✓ TA.d		
✓ Misc. (Must check)					✓ UWZ.d ✓ DPJ_WSZ ✓ HUM	✓ WS.d ✓ WD.d

FLID_Mission_Documents.pdf:
✓ Error Summary
✓ Crew Manifest
✓ QC Checklist
X Dropwindsonde Log(s) - AVAPS and FD if completed
✓ Flight Track
X Miscellaneous FD Notes

QC Key	
Not checked	<input type="checkbox"/>
Valid	<input checked="" type="checkbox"/>
Errors (note)	<input checked="" type="checkbox"/>

NOTES:
<p>GPS.4 unavailable.</p> <p>10-15 mb difference between PSM.1 and PSM.2, most pronounced at higher altitudes.</p> <p>PitchI.3 and RollI.3 unavailable.</p> <p>TTM.3 inoperative.</p> <p>TDM.1 and TDM.3 inoperative. TDM.2 data questionable between 2157 and 2250Z.</p> <p>TRadU.1 inoperative.</p>

2020-09-16, 17:50:12-22:58:50



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	24.22	3.52	17.69	27.99
LongGPS.1 (deg), 1 s/sec	-75.79	5.93	-82.07	-64.80