

N43RF ERROR SUMMARY
2019096I1

Flight ID: 20190926I1

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/2019/MET/20190926I1

Local Met Data	Takeoff KLAL (1359Z)	Landing TBPB (1851Z)
Dynamic Corrections		Yes
AttackAngleIntercept		0.122351
AttackAngleSlope		6.0273
SlipAngleIntercept		0.214857
SlipAngleSlope		7.10815

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 and PDBETA.2 inop for entire flight
 AltGPS.4 inop for entire flight
 LatGPS.4 and LonGPS.4 inop for entire flight
 PDALPHA.2 not representative
 TTM.3 inop for entire flight
 TDM.1 and TDM.3 not representative
 TradU.1 inop for entire flight
 QC performed by Quinn Kalen

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: Holmes / Lundry
Phone #: 863-500-3989

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:	2019092611	FLT #:	1	AC:	Didier	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1400Z	CP(s):	Rossi	Holbach	A/C Takeoff		Good	Bad	Sent
To:	TBPB	ETA:	1900Z		Legidakes	Ryan			0	0	0
Block Time		Flight Time		Nav(s):	Freeman	Zawislak	ASOS Takeoff		BTs		
In:	19:00	Land:	18:52			Jelenak				Good	Bad
Out:	13:50	T/O:	13:59	FE(s):	Sanchez	Chang	A/C Land		0	0	0
Total:	5.2	Total:	4.9	FD(s):	Flaherty		ASOS Land				
Sponsoring Org:	HRD			SEB:	Richards (T)	Sans Souci	Storm Number ID:				
Program:	PHX					Kregelka	(ie: AL142018)				
Purpose:	REPO			SSA:	Naeher		TCPOD/WSPOD Mission				
				AVAPS:	Greene		(ie: NOAA3 0614A MICHAEL)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					x						
SCIENCE MISSION WITHIN BDRY LAYER					x						
LACK OF PRECIPITATION				x							
RELATIVE HUMIDITY ≥ 80%					x						
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						

*Highlighted items must be completed before departure.

Remarks:
Repo to TBPB

P-3 QC Checklist

Flight ID:	20190926I1
Flight Director(s)	Holmes / Lundry
UWZ.d mean:	-0.18

Pressure Comparison		
	T/O	Land
Aircraft	1010.2	1005.8
Tower	1015.6	1011.9

	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		✓ GSXref ✓ GSYref ✓ GSZref	
✓ 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 x 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		✓ IAS.d	✓ TAS.d
✓ Pitch / Roll	✓ PitchI.1 ✓ PitchI.2 <input type="checkbox"/> PitchI.3	✓ PitchRateI.1 ✓ PitchRateI.2 <input type="checkbox"/> PitchRateI.3	✓ RolLI.1 ✓ RolLI.2 <input type="checkbox"/> RolLI.3	✓ RollRateI.1 ✓ RollRateI.2 <input type="checkbox"/> 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 <input type="checkbox"/> TRadU.1		✓ TD.c ✓ TDMref	✓ TTMref ✓ TA.d
✓ Misc. (Must check)					✓ UWZ.d ✓ DPJ_WSZ ✓ HUM	✓ WS.d ✓ WD.d

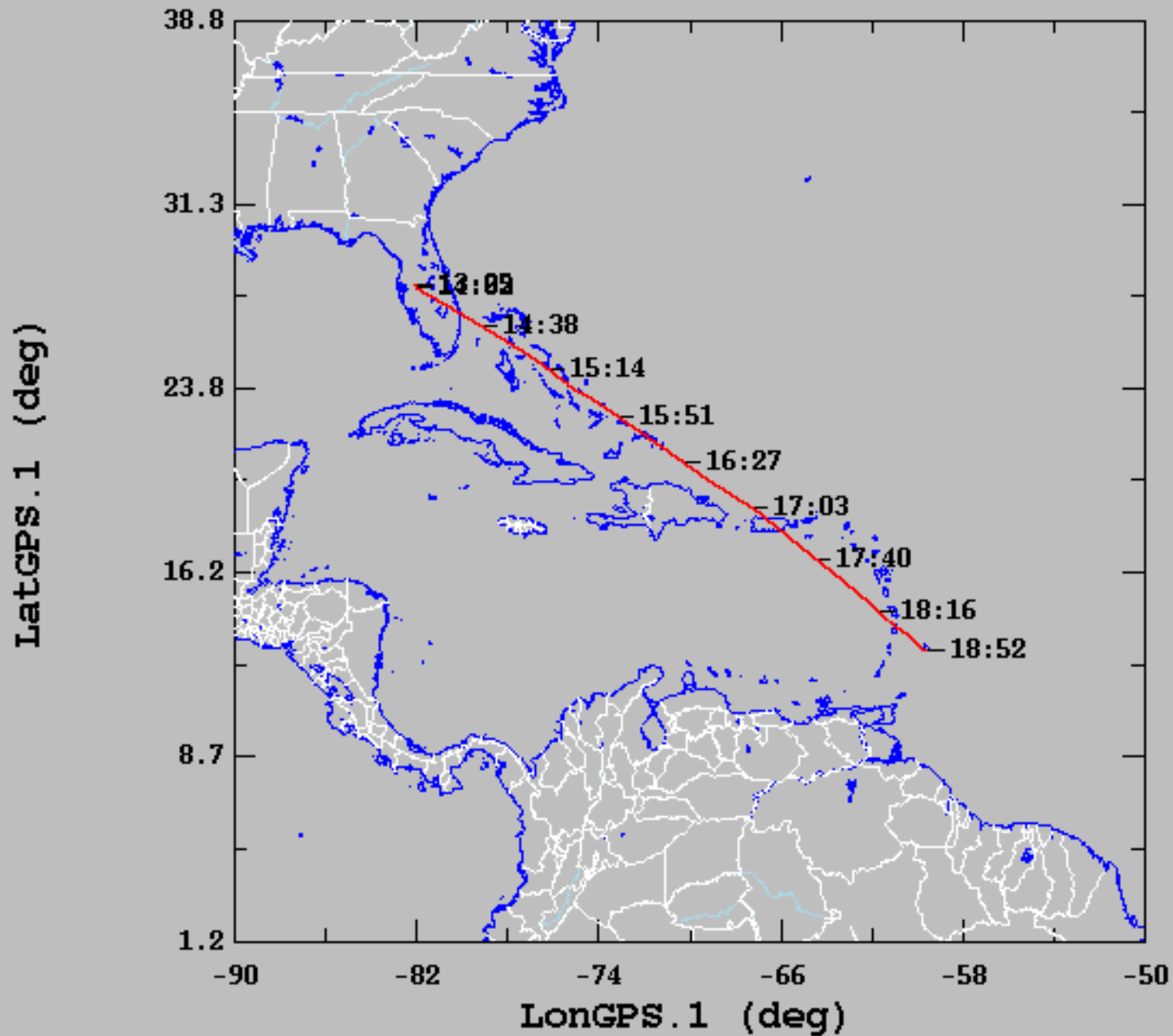
FLID_Mission_Documents.pdf:	
<input checked="" type="checkbox"/>	Error Summary
<input checked="" type="checkbox"/>	Crew Manifest
<input checked="" type="checkbox"/>	QC Checklist
<input type="checkbox"/>	Dropwindsonde Log(s) - AVAPS and FD if completed
<input checked="" type="checkbox"/>	Flight Track
<input checked="" type="checkbox"/>	Miscellaneous FD Notes

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

NOTES:

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2019-09-26, 13:25:50-18:52:41



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	21.43	4.78	13.03	27.99
— LonGPS.1 (deg), 1 s/sec	-71.62	7.30	-82.03	-59.49