

N43RF ERROR SUMMARY
20190929I1 WG13A LORENZO

Flight ID: 20190929I1

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/20190928I1

Local Met Data	Takeoff TBPB (1404Z)	Landing TBPB (2325Z)
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.

PQM.1 is offset from PQM.2, PQM.3 and PQM.4, not used in storm environment or for post processing

LATGPS.4 and LONGGPS.4 are unrepresentative, not used operationally or for post processing

ALTGPS.4 has a spike in data, not used operationally or for post processing

Data gap from 1549-1600 and 2306-2310Z due to issue with data system

TDM.3 is unrepresentative, not used operationally or for post processing

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: Lundry, Flaherty
Phone #: 863-500-3898

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:	20190929I1	FLT #:	1	AC:	Didier	Scientists:		Pressure		Dropsondes		
From:	TBPB	ETD:	1500Z	CP(s):	Rossi	Holbach		A/C Takeoff		Good	Bad	Sent
To:	TBPB	ETA:	2300Z		Legidakes	Ryan				0	0	0
Block Time		Flight Time		Nav(s):	Freeman	Vilardell Sanchez, J.		ASOS Takeoff		BTs		
In:	0:02	Land:	23:57		FE(s)	Sanchez				A/C Land		Good
Out:	14:42	T/O:	14:50	LaLonde				ASOS Land				0
Total:	9.3	Total:	9.1	FD(s):	Lundry	Visitors:				Storm Number ID:		AL132019
Sponsoring Org:	NESDIS			SEB:	Richards (T)	Sans Souci		(ie: AL142018)				
Program:	PND			SSA:	Naeher			TCPOD/WSPOD Mission	WG13A LORENZO			
Purpose:	Hurricane Research				AVAPS:	Greene	Hlywiak, James			(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:												

P-3 QC Checklist

Flight ID:	20190929I1
Flight Director(s):	Lundry, Flaherty
UWZ.d mean:	-0.05

Pressure Comparison		
	T/O	Land
Aircraft	1007.0	1007.0
Tower	1013.0	1011.0

	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 ✓ 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	✓ lasADDU.1		✓ IAS.d	✓ TAS.d
✓ Pitch / Roll	✓ PitchI.1 ✓ PitchI.2 PitchI.3	✓ PitchRateI.1 ✓ PitchRateI.2 PitchRateI.3	✓ RollI.1 ✓ RollI.2 RollI.3	✓ RollRateI.1 ✓ RollRateI.2 RollRateI.3	✓ PITCHref ✓ ROLLref	
✓ Temp / Dewpt	✓ TTM.1 ✓ TTM.2 TTM.3	✓ TDM.1 ✓ TDM.2 X TDM.3	✓ TRadD.1 ✓ TRadS.1 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
n/a Dropwindsonde Log(s) - AVAPS and FD if completed
✓ Flight Track
n/a Miscellaneous FD Notes

QC Key	
Not checked	☐
Valid	☒
Errors (note)	X

NOTES:

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QC by Ashley Lundry

