

N43RF ERROR SUMMARY  
20210909I1

Flight ID: 20210909I1

Sensor or System	Number or Name
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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/2021/MET/20210909I1

Local Met Data	Takeoff TISX (1439Z)	Landing KLAL (1706Z)
Dynamic Corrections		Yes
AttackAngleIntercept		0.131251
AttackAngleSlope		6.02327
SlipAngleIntercept		0.23
SlipAngleSlope		7.02537

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Notes: There were no edits made in the measured parameters used to calculate meteorological and navigational parameters.

Data system shut down/restart at 17:05; all data unrepresentative after this time  
 Alt, Lat, and lonGPS.4 inop  
 TradU inop

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

Expendable Type	# deployed	# good	# transmitted
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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  
 Phone #: 863-500-3983

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20210909I1	FLT #:	1	AC:	Didier	Scientists:	Pressure		Dropsondes		
From:	TISX	ETD:	1500Z	CP(s):	Copare	Chang, Paul	A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	1900Z		Stateler	Jelenak, Zorana			—————		
Block Time		Flight Time		NAV:	Hough	Sapp, Joe	ASOS Takeoff		BTs		
In:	1839	Land:	1829	FE(s):	Darby	Holbach, Heather	A/C Land		Good	Bad	Sent
Out:	1431	T/O:	1439	FD(s):	Bennet	Hazelton, Andy		—————			
Total:	<del>0810</del> 4.2	Total:	<del>0810</del> 3.8	SSA:	Mascaro	Visitors:	ASOS Land	Storm Number ID: (ie: AL072012)	NA		
Sponsoring Org:	NESDIS			AVAPS:	Warnecke	Richards B (NAV)	TCPOD/WSPOD Mission (ie: NOAA2 2418A SANDY)		WXWXA TRAIN		
Program:	PND			SEB:		Kregelka					
Purpose:	Repo			MX:		Sans Souci					
						Urato					
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X		1				
SCIENCE MISSION WITHIN BDRY LAYER					X						
LACK OF PRECIPITATION					X		2				
RELATIVE HUMIDITY ≥ 80%					x						
LARGE AIR-SEA TEMP GRADIENT					X		3				
HIGH SURFACE WINDS					x						
LONG FETCH / DURATION OF SFC WND					x		4				
SEA SALT ACCRETION FORECAST					X						
SEA SALT ACCRETION OBSERVED							Pennies:				

\*Highlighted items must be completed before departure.

Remarks:

## P-3 QC Checklist

<b>Flight ID:</b>	<b>20210909I1</b>
<b>Flight Director(s)</b>	<b>Holmes</b>
<b>UWZ.d mean:</b>	<b>0.01</b>

Pressure Comparison		
	T/O	Land
<b>Aircraft</b>	<b>1017.5</b>	<b>--</b>
<b>Tower</b>	<b>1014.8</b>	<b>1009.9</b>

	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	✓ IasADDU.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 ✓ 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

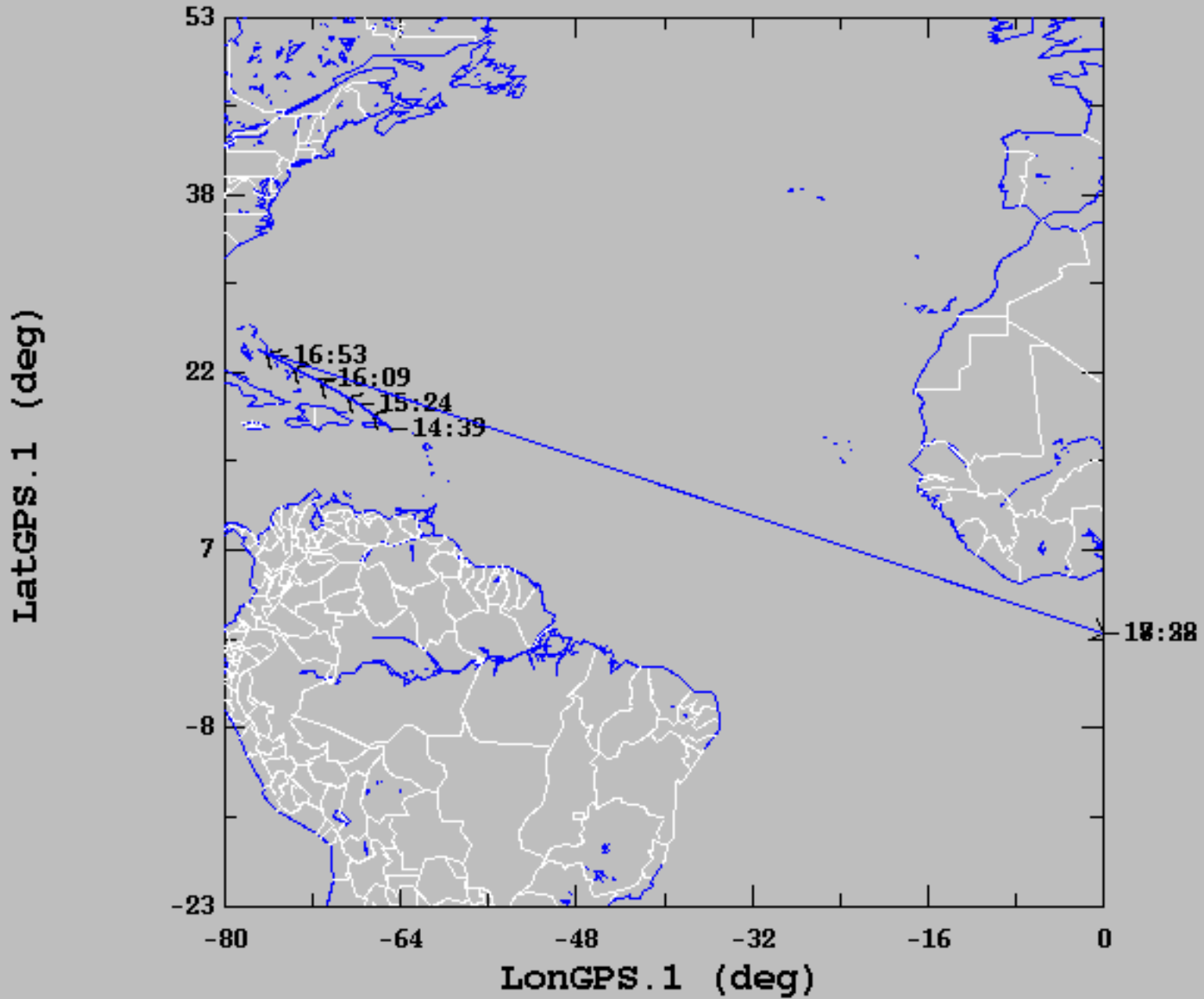
FLID_Mission_Documents.pdf:
✓ Error Summary
✓ Crew Manifest
✓ QC Checklist
<input type="checkbox"/> Dropwindsonde Log(s) - AVAPS and FD if completed
✓ Flight Track
✓ Miscellaneous FD Notes

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

### NOTES:

Data system shut down/restart at 17:05; all data unrepresentative after this time  
 Alt, Lat, and lonGPS.4 inop  
 TradU inop

2021-09-09, 14:39:52-18:22:58



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	14.00	10.22	0.00	24.64
— LonGPS.1 (deg), 1 s/sec	-46.29	33.50	-76.82	0.00
— LatGPS.1 (deg), 1 s/sec	14.00	10.22	0.00	24.64
— LonGPS.1 (deg), 1 s/sec	-46.29	33.50	-76.82	0.00