

N42RF ERROR SUMMARY
20200823H1

Flight ID: 20200823H1

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/2020/MET/20200823H1

Local Met Data	Takeoff KFLB (0815Z)	Landing KLAL (1458Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.27641
AttackAngleSlope		6.01899
SlipAngleIntercept		0.232
SlipAngleSlope		7.17429
AttackAngleIntercept2		2.06387
AttackAngleSlope2	6.01177	
SlipAngleIntercept2		0.195
SlipAngleSlope2		6.67434

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 inoperative. TTM.3 unavailable. TDM.3 inoperative. TRadU.1 unavailable.

Note: TDM.1 unrepresentative for outbound transit. Non issue as TDM.2 was the source.

Expendable Type	# deployed	# good	# transmitted
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Dropsondes	17	17	17
Test sondes	0	0	0
AXBTS	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

P-3 QC Checklist

Flight ID:	20200823H1
Flight Director(s)	Holmes
UWZ.d mean:	0.14

Pressure Comparison		
	T/O	Land
Aircraft	1014mb	1014.0
Tower	-----	-----

	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 ✓ 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 ✓ LatGPS.4	✓ LatI-GPS.1 ✓ LatI-GPS.2	✓ LonGPS.1 ✓ LonGPS.2 ✓ LonGPS.3 ✓ 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 ✗ 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)	✗

NOTES:

PDAlpha.2 and PDBeta.2 inoperative. TTM.3 unavailable. TDM.3 inoperative. TRadU.1 unavailable.

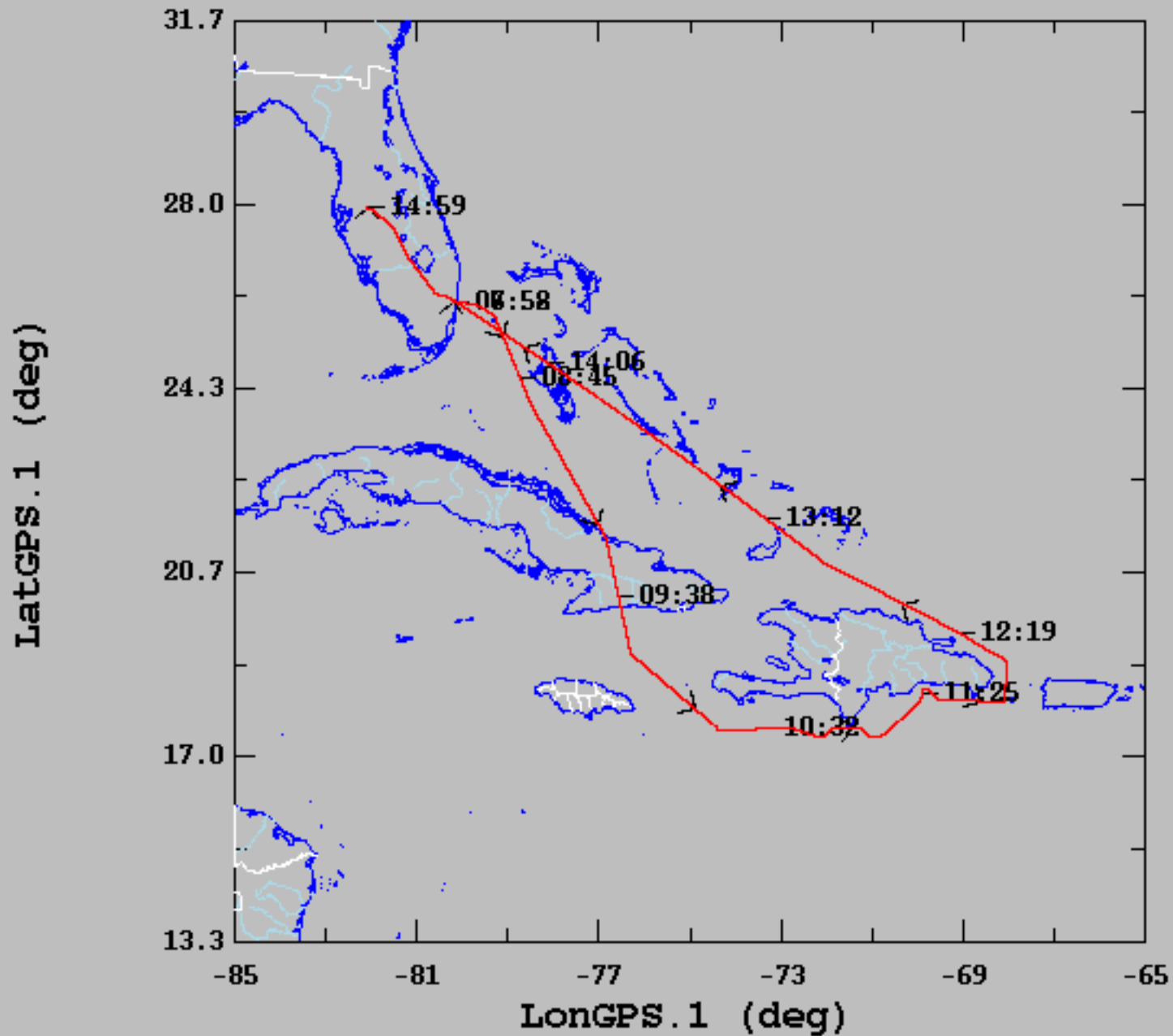
Note: TDM.1 unrepresentative for outbound transit. Non issue as TDM.2 was the source.

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N42RF Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
FLT ID:	20200823H1	FLT #:		AC:	Abitbol	Scientists:		Pressure		Dropsondes		
From:	KFLL	ETD:	0800Z	CP(s):	Mitchell	P. Chang		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	1600Z	NAV:	Rannenberg	Z. Jelenak				17	0	17
Block Time		Flight Time		FE(s):	Richards (B)			ASOS Takeoff		BTs		
In:	1505	Land:	1459	FD(s):	Darby					Good	Bad	Sent
Out:	0809	T/O:	0816	SSA:	Lalonde			ASOS Land		0	0	0
Total:	6.9	Total:	6.7	AVAPS:	Holmes					Storm Number ID:		AL132020
Sponsoring Org:		EMC/NHC (NWS)		SEB:	Mascaro	Visitors:		(ie: AL072012)				
Program:		PRX		MX:	Underwood			TCPOD/WSPOD Mission		0713A LAURA		
Purpose:		TS LAURA OPS			Carrion			(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS		OBSERVATIONS				
VOLCANIC ASH					x			Fix Number	Obs Number	Fix Time	SLP	
SCIENCE MISSION WITHIN BDYR LAYER				x				1				
LACK OF PRECIPITATION					x			2				
RELATIVE HUMIDITY ≥ 80%				x		0 X Pennies - TC was to close to land to		3				
LARGE AIR-SEA TEMP GRADIENT					x	pass through the center		4				
HIGH SURFACE WINDS					x							
LONG FETCH / DURATION OF SFC WND					x							
SEA SALT ACCRETION FORECAST					x							
SEA SALT ACCRETION OBSERVED												
								Pennies:				
*Highlighted items must be completed before departure.												
Remarks:												

20200823H1 Flight Track

2020-08-23, 06:58:34-14:59:42



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	22.11	3.42	17.34	27.99
— LongGPS.1 (deg), 1 s/sec	-75.56	4.17	-82.07	-68.00