

N43RF ERROR SUMMARY  
20230831I0

Flight ID: 20230831I0

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.1
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/2023/MET/20230831I0

Local Met Data	Takeoff KFLI (1356Z)	Landing KLAL (1436Z)
Dynamic Corrections		Yes
AttackAngleIntercept		0.050058
AttackAngleSlope		5.32015
SlipAngleIntercept		0.165
SlipAngleSlope		6.66754

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.

I.3 for Pitch and Roll is not operational

TTM.3 has erroneous data throughout the flight and should not be used

TRadU.1 has erroneous data throughout the flight and should not be used

TDM.3 has erroneous data throughout the flight and should not be used

PDALPHAref, PDBETAref, PQALPHAref, PQBETAref, and DPJ\_WSZ are not provided since \_AC file is not produced; all other 'C' file parameters checked are from the \_A file

Large difference between static pressures during pre-flight between the aircraft and ASOS

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: Zawislak / Lundry  
Phone #: 305-707-4359

ACAT-4 Version = 7.4

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20230831IO	FLT #:	FY23-	AC:	Abitbol	Scientists:	Pressure		Dropsondes		
From:	KFLL	ETD:	1000L / 1400Z	CP(s):	Keith	Jason Sippel (HRD)	A/C Takeoff	1013.0	Good	Bad	Sent
To:	KLAL	ETA:	1045L / 1445Z								
Block Time		Flight Time		NAV:			ASOS Takeoff	1009.7	BTs		
Out:	13:49	T/O:	13:57	FE(s):	Stokes		A/C Land		Good	Bad	Sent
In:	14:42	Land:	14:37	FD(s):	Wysinger						
					Lundry						
					Zawislak		ASOS Land	1007.4	0	0	0
Total:	0.9	Total:	0.7	SSA:	McAlister	Visitors:					
				AVAPS:	Underwood		Storm Number ID:		N/A		
Sponsoring Org:	HX - NHC/EMC						(ie: AL072012)				
Program:	PRX			SEB:			TCPD/WSPD Mission		NOAA3 WXWXA TRAIN		
Purpose:	Transit FLL to LAL						(ie: NOAA2 2418A SANDY)				
				MX:	Olney / Decker / Oshiek		OBSERVATIONS				
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					x		Pennies:				
						*Highlighted items must be completed before departure.					
Remarks:											

## P-3 QC Checklist

Overall Assessment	No instrument issues noted.
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Flight ID:	20230831I0	Pressure Comparison		
Flight Director(s):	Zawislak / Lundry		T/O	Land
Mission:	Ferry	Aircraft	1013.0	No good measurement
UWZ.d mean:	-0.02	Tower	1009.7	1007.4

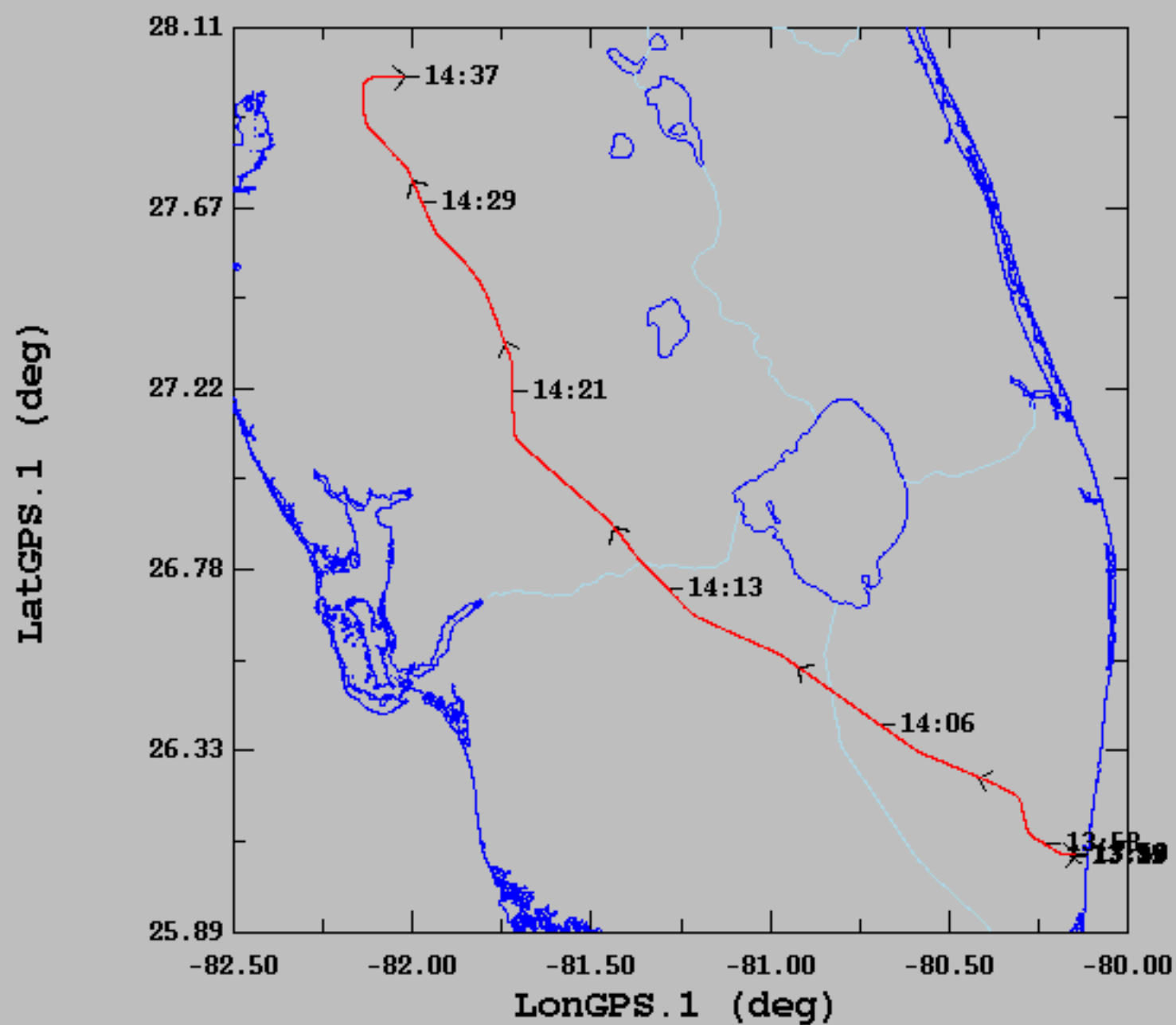
	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	✓ AccAXI.1 ✓ AccAXI.2 ✓ AccAXI-GPS.1 ✓ AccAXI-GPS.2	✓ AccAYI.1 ✓ AccAYI.2 ✓ AccAYI-GPS.1 ✓ AccAYI-GPS.2	✓ AccAZI.1 ✓ AccAZI.2 ✓ AccAZI-GPS.1 ✓ AccAZI-GPS.2	✓ AccZfilter-GPS.1 ✓ AccZfilter-GPS.2	✓ AccZref	
✓ Altitude	✓ AltGPS.1 ✓ AltGPS.2 ✓ 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
✗ 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:
<p>I.3 for Pitch and Roll is not operational</p> <p>TTM.3 has erroneous data throughout the flight and should not be used</p> <p>TRadU.1 has erroneous data throughout the flight and should not be used</p> <p>TDM.3 has erroneous data throughout the flight and should not be used</p> <p>PDALPHaref, PDBETAref, PQALPHaref, PQBETAref, and DPJ_WSZ are not provided since _AC file is not produced; all other 'C' file parameters checked are from the _A file</p> <p>Large difference between static pressures during pre-flight between aircraft and ASOS</p>

08/31/2023, 13:27:37-14:37:08



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	26.63	0.66	26.07	27.99
LongGPS.1 (deg), 1 s/sec	-80.86	0.76	-82.14	-80.14