

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

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
FLT ID:	2022082811	FLT #:		AC:	Doremus	Scientists:		Pressure		Dropsondes		
From:	KLAL	ETD:	2000Z	CP(s):	Copare	Marks		A/C Takeoff		Good	Bad	Sent
To:	TBPB	ETA:	0200Z		Wood	Reasor				0	0	0
Block Time		Flight Time		NAV:	Utama	Aberson		ASOS Takeoff		BTs		
In:	0105Z	Land:	0101Z	FE(s):	Darby	Chang				Good	Bad	Sent
Out:	1949Z	T/O:	2002Z	FD(s):	Pittman	Jelenak		A/C Land		0	0	0
Total:	5.3	Total:	5.0		SSA:	Richards	Sapp					
Sponsoring Org:	HRD			SEB:	Kregelka	Visitors:		Storm Number ID:		N/A		
Program:	PRX				LaLonde			(ie: AL072012)				
Purpose:	Transit to TBPB			MX:	Mazur			TCPOD/WSPOD Mission		NOAA3 WXWXA TRAIN		
								(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X			1				
SCIENCE MISSION WITHIN BDRY LAYER					X			2				
LACK OF PRECIPITATION				X				3				
RELATIVE HUMIDITY ≥ 80%					X			4				
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							
								Pennies:				

*Highlighted items must be completed before departure.

Remarks:

P-3 QC Checklist

Overall Assessment	Minor instrument issue(s) - minimal mission impact.
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Flight ID:	2022082811
Flight Director(s):	FD: Kalen / Holmes QC: Hathaway
Mission:	Ferry
UWZ.d mean:	0.04

Pressure Comparison		
	T/O	Land
Aircraft		
Tower	1008.6 mb (KLAL)	1005.4 mb (TBPB)

	Raw 1Hz Mean File Parameters				C File Parameters	
<input type="checkbox"/> Accelerometer	<input checked="" type="checkbox"/> AccAXI.1 <input checked="" type="checkbox"/> AccAXI.2 <input checked="" type="checkbox"/> AccAXI-GPS.1 <input checked="" type="checkbox"/> AccAXI-GPS.2	<input checked="" type="checkbox"/> AccAYI.1 <input checked="" type="checkbox"/> AccAYI.2 <input checked="" type="checkbox"/> AccAYI-GPS.1 <input checked="" type="checkbox"/> AccAYI-GPS.2	<input checked="" type="checkbox"/> AccAZI.1 <input checked="" type="checkbox"/> AccAZI.2 <input checked="" type="checkbox"/> AccAZI-GPS.1 <input checked="" type="checkbox"/> AccAZI-GPS.2	<input checked="" type="checkbox"/> AccZfilter-GPS.1 <input checked="" type="checkbox"/> AccZfilter-GPS.2	<input checked="" type="checkbox"/> AccZref	
<input type="checkbox"/> Altitude	<input checked="" type="checkbox"/> AltGPS.1 <input checked="" type="checkbox"/> AltGPS.2 <input checked="" type="checkbox"/> AltGPS.3 <input type="checkbox"/> AltGPS.4	<input checked="" type="checkbox"/> AltI-GPS.1 <input checked="" type="checkbox"/> AltI-GPS.2	<input checked="" type="checkbox"/> AltPaADDU.1 <input checked="" type="checkbox"/> AltBCADDU.1	<input checked="" type="checkbox"/> AltRA.1 <input checked="" type="checkbox"/> AltRA.2	<input checked="" type="checkbox"/> ALTref <input checked="" type="checkbox"/> ALTPA.d <input checked="" type="checkbox"/> ALTGA.d	<input checked="" type="checkbox"/> AltRA1.c <input checked="" type="checkbox"/> AltRA2.c
<input type="checkbox"/> Ground Speed	<input checked="" type="checkbox"/> GsXI-GPS.1 <input checked="" type="checkbox"/> GsXI-GPS.2	<input checked="" type="checkbox"/> GsYI-GPS.1 <input checked="" type="checkbox"/> GsYI-GPS.2	<input checked="" type="checkbox"/> GsZI-GPS.1 <input checked="" type="checkbox"/> GsZI-GPS.2			
<input type="checkbox"/> Lat / Lon	<input checked="" type="checkbox"/> LatGPS.1 <input checked="" type="checkbox"/> LatGPS.2 <input checked="" type="checkbox"/> LatGPS.3 <input type="checkbox"/> LatGPS.4	<input checked="" type="checkbox"/> LatI-GPS.1 <input checked="" type="checkbox"/> LatI-GPS.2	<input checked="" type="checkbox"/> LonGPS.1 <input checked="" type="checkbox"/> LonGPS.2 <input checked="" type="checkbox"/> LonGPS.3 <input type="checkbox"/> LonGPS.4	<input checked="" type="checkbox"/> LonI-GPS.1 <input checked="" type="checkbox"/> LonI-GPS.2	<input checked="" type="checkbox"/> LATref <input checked="" type="checkbox"/> LONref	
<input type="checkbox"/> Pressure	<input checked="" type="checkbox"/> PDALPHA.1 <input checked="" type="checkbox"/> PDALPHA.2 <input checked="" type="checkbox"/> PDBETA.1 <input checked="" type="checkbox"/> PDBETA.2	<input checked="" type="checkbox"/> PQALPHA.1 <input checked="" type="checkbox"/> PQBETA.1	<input checked="" type="checkbox"/> PQM.1 <input checked="" type="checkbox"/> PQM.2 <input checked="" type="checkbox"/> PQM.3 <input checked="" type="checkbox"/> PQM.4	<input checked="" type="checkbox"/> PSM.1 <input checked="" type="checkbox"/> PSM.2 <input checked="" type="checkbox"/> PTM.1	<input checked="" type="checkbox"/> PDALPHAref <input type="checkbox"/> PDBETAref <input type="checkbox"/> PQALPHAref <input type="checkbox"/> PQBETAref	<input checked="" type="checkbox"/> PQMref <input checked="" type="checkbox"/> PQ.c <input checked="" type="checkbox"/> PSMref <input checked="" type="checkbox"/> PS.c
<input type="checkbox"/> Air Speed	<input checked="" type="checkbox"/> CasADDU.1	<input checked="" type="checkbox"/> TasADDU.1	<input checked="" type="checkbox"/> IasADDU.1	<input checked="" type="checkbox"/> IAS.d <input checked="" type="checkbox"/> TAS.d		
<input type="checkbox"/> Pitch / Roll	<input checked="" type="checkbox"/> PitchI.1 <input checked="" type="checkbox"/> PitchI.2 <input checked="" type="checkbox"/> PitchI.3	<input checked="" type="checkbox"/> PitchRatI.1 <input checked="" type="checkbox"/> PitchRatI.2 <input type="checkbox"/> PitchRatI.3	<input checked="" type="checkbox"/> RollI.1 <input checked="" type="checkbox"/> RollI.2 <input type="checkbox"/> RollI.3	<input checked="" type="checkbox"/> RollRatI.1 <input checked="" type="checkbox"/> RollRatI.2 <input type="checkbox"/> RollRatI.3	<input checked="" type="checkbox"/> PITCHref <input checked="" type="checkbox"/> ROLLref	
<input type="checkbox"/> Temp / Dewpt	<input checked="" type="checkbox"/> TTM.1 <input checked="" type="checkbox"/> TTM.2 <input type="checkbox"/> TTM.3	<input checked="" type="checkbox"/> TDM.1 <input checked="" type="checkbox"/> TDM.2 <input type="checkbox"/> TDM.3	<input checked="" type="checkbox"/> TRadD.1 <input checked="" type="checkbox"/> TRadS.1 <input checked="" type="checkbox"/> TRadU.1	<input checked="" type="checkbox"/> TD.c <input checked="" type="checkbox"/> TDMref <input checked="" type="checkbox"/> TTMref <input checked="" type="checkbox"/> TA.d		
<input type="checkbox"/> Misc. (Must check)					<input checked="" type="checkbox"/> UWZ.d <input type="checkbox"/> DPJ_WSZ <input checked="" type="checkbox"/> HUM	<input checked="" type="checkbox"/> WS.d <input checked="" type="checkbox"/> 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"/>

NOTES:
<ul style="list-style-type: none"> - Slight oscillation apparent at finer scales in variables: PitchI.1, PitchI.2, RollI.1, RollI.2, PSM.1, PDBeta.1, PDBeta.2, PQM.1, RollRatI.1, RollRatI.2, TTM.2 - TTM.2 noisier sensor in comparison to TTM.1 - Difference of roughly 40 mb between PDAAlpha.1 and PDAAlpha.2 - PQM.1 approximately 10-20 mb higher than rest of PQMs throughout the flight. - PQM.4 approximately 15-30 mb lower than rest of PQMs in the beginning portion of flight. - TDM.2 does not contain same level of sensitivity as TDM.1. - TRadU.1 remains near zero entire flight. - DPJWSZ, LatGPS.4, LonGPS.4, AltGPS.4, AltRA.1 and AltRa1.c was unavailable throughout entire flight. - AltRA.1 was spotty throughout beginning portions of flight. - AltRa1.c has consistent dropouts throughout entire flight. - Large variability between PDBeta.1 and PDBeta.2 in beginning portion of flight.

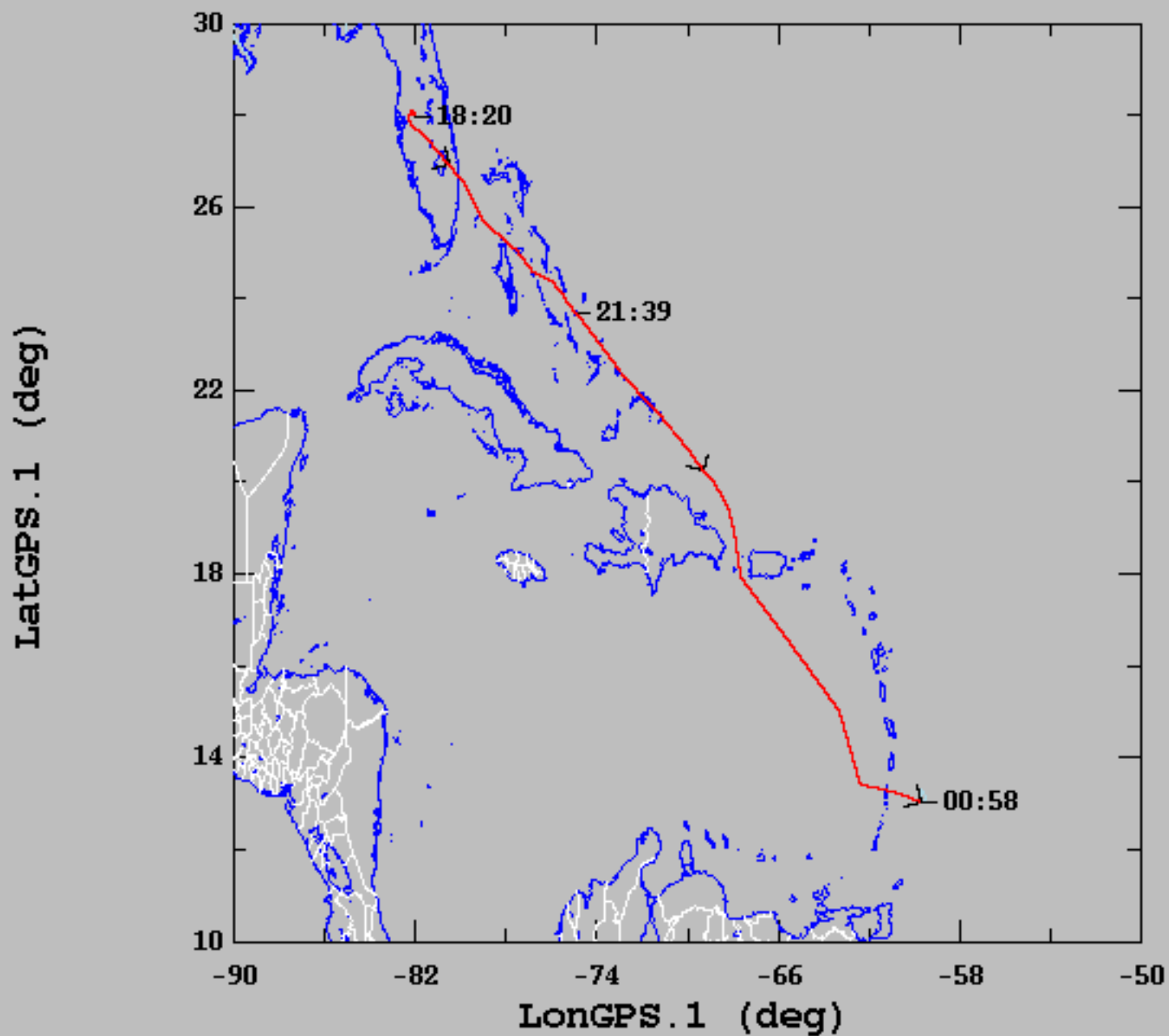
- DPJWSZ, LatGPS.4, LonGPS.4, AltGPS.4, AltRA.1 and AltRa1.c was unavailable throughout entire flight.
- AltRA.1 was spotty throughout beginning portions of flight.
- AltRa1.c has consistent dropouts throughout entire flight.
- Large variability between PDBeta.1 and PDBeta.2 in beginning portion of flight.

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: Kalen/Holmes
 Phone #: 8635003962

ACAT-4 Version = 7.4

08/28/2022, 18:20:51-24:58:53



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	22.47	5.17	13.03	28.10
— LonGPS.1 (deg), 1 s/sec	-73.77	7.50	-82.25	-59.60