



AXBTS	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Carpenter  
Phone #: 8635003901

ACAT-4 Version = 7.4

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20220829H1	FLT #:	22-	AC:	Abitbol	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	0900Z	CP(s):	Rannenberg	Rob Rogers	A/C Takeoff		Good	Bad	Sent
To:	TBPB	ETA:	1500Z		Keith	Jun Zhang			<b>0</b>	<b>0</b>	<b>0</b>
Block Time		Flight Time		NAV:	Hough	Kerri Englert	ASOS Takeoff		BTs		
In:	<b>14:06</b>	Land:	<b>14:01</b>	FE(s):	Stokes		A/C Land		Good	Bad	Sent
Out:	<b>9:03</b>	T/O:	<b>9:11</b>	FD(s):	Gee				<b>0</b>	<b>0</b>	<b>0</b>
Total:	<b>5.1</b>	Total:	<b>4.8</b>	SSA:	McAlister	Visitors:	ASOS Land				
Sponsoring Org:	HRD			AVAPS:	Dykeman		Storm Number ID:		N/A		
Program:	PHX			SEB:	Olney (MX)		(ie: AL072012)				
Purpose:	Repo. to TBPB			MX:	Decker		TCPOD/WSPOD Mission		NOAA2 WXWXA TRAIN		
							(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X		<b>1</b>				
SCIENCE MISSION WITHIN BDRY LAYER					X		<b>2</b>				
LACK OF PRECIPITATION				X			<b>3</b>				
RELATIVE HUMIDITY ≥ 80%				X			<b>4</b>				
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		<b>Pennies:</b>	N/A			

\*Highlighted items must be completed before departure.

Remarks:


## P-3 QC Checklist

Overall Assessment	Minor instrument issue(s) - minimal mission impact.
--------------------	---

Flight ID:	20220829H1
Flight Director(s):	FD: Carpenter QC: de Solo
Mission:	Ferry
UWZ.d mean:	0.15

Pressure Comparison		
	T/O	Land
Aircraft	1007.8 mb	N/A
Tower	1008.8 mb (KLAL)	1007.5 (TBPB)

	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	✓ PDALPHaref ✓ 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 <input type="checkbox"/> PitchI.3	✓ PitchRatel.1 ✓ PitchRatel.2 <input type="checkbox"/> PitchRatel.3	✓ RollI.1 ✓ RollI.2 <input type="checkbox"/> RollI.3	✓ RollRatel.1 ✓ RollRatel.2 <input type="checkbox"/> RollRatel.3	✓ PITCHref ✓ ROLLref	
✓ Temp / Dewpt	✓ TTM.1 ✓ TTM.2 <input type="checkbox"/> TTM.3	✓ TDM.1 ✓ TDM.2 <input type="checkbox"/> TDM.3	✓ TRadD.1 ✓ TRadS.1 <input type="checkbox"/> 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)	X

### NOTES:

The following was noted on the 1 Hz File:

AccZfilter-GPS.1, AccZfilter-GPS.2, AccZref, and UWZ.d unavailable throughout flight.

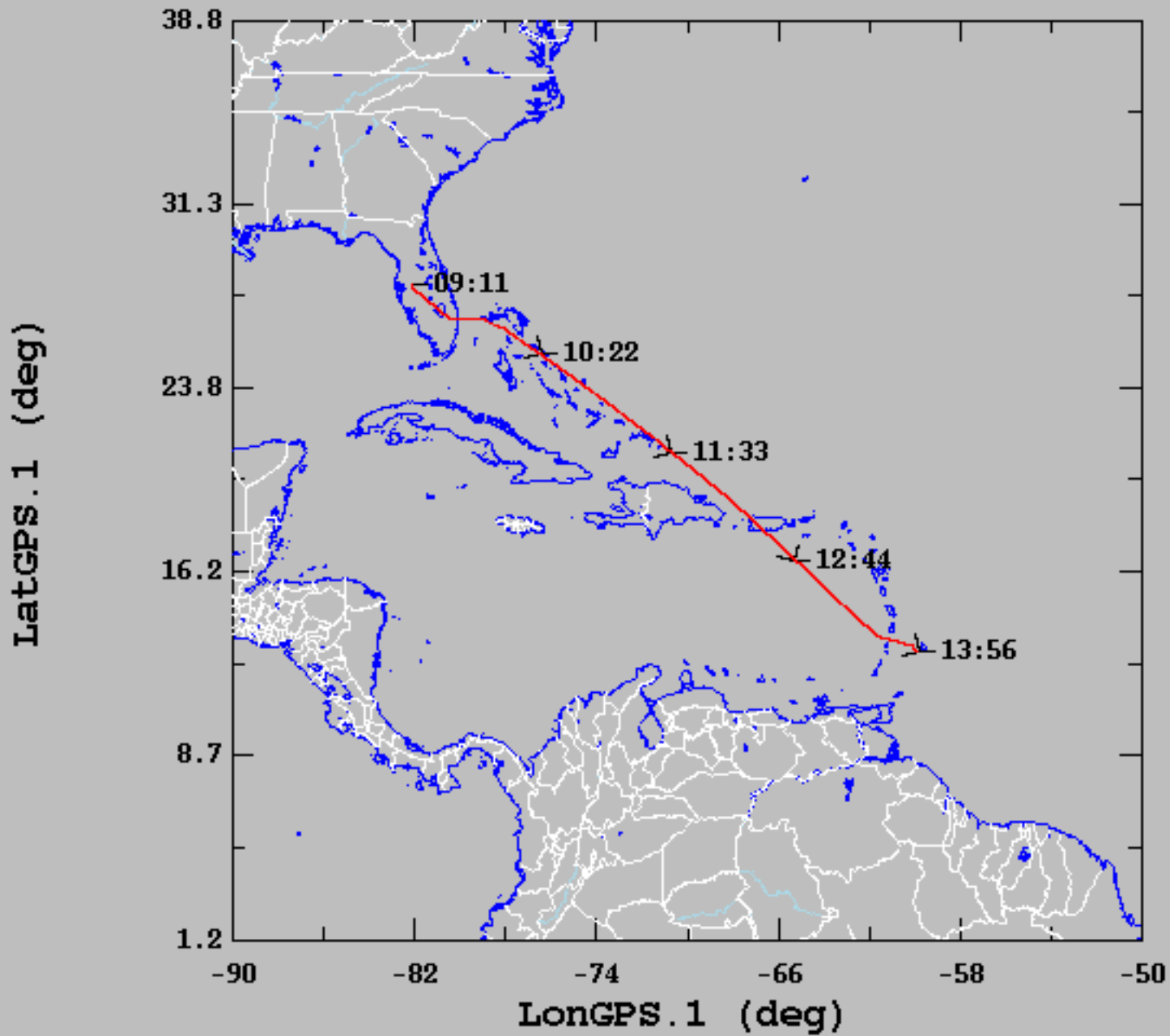
PDALPHA.1, PDALPHA.2, and PQM.4 have a large deviation around 1200Z.

PDBETA.1 and PDBETA.2 have a difference of about 10 mb throughout flight.

TDM.1 more sensitive than TDM.2.

Gap in relative humidity data when near supersaturation.

2022-08-29, 09:11:00-13:56:16



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	20.81	4.64	13.00	27.99
— LongGPS.1 (deg), 1 s/sec	-70.85	6.55	-82.07	-59.71