



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

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
FLT ID:	20220915H1	FLT #:		AC:	Abitbol	Scientists:		Pressure		Dropsondes		
From:	KLAL	ETD:	1100Z	CP(s):	Copare	Dunion		A/C Takeoff		Good	Bad	Sent
To:	TNCA	ETA:	1500Z		Wood	Rogers				<b>0</b>	<b>0</b>	<b>0</b>
Block Time		Flight Time		NAV:	Miller	Sellwood		ASOS Takeoff		BTs		
In:	<b>1518Z</b>	Land:	<b>1514Z</b>	FE(s):	Stokes	Alvey				Good	Bad	Sent
Out:	<b>1127Z</b>	T/O:	<b>1134Z</b>	FD(s):	Holmes			A/C Land		<b>0</b>	<b>0</b>	<b>0</b>
Total:	<b>3.9</b>	Total:	<b>3.7</b>		SSA:	McAlister	Visitors:			ASOS Land		
Sponsoring Org:		NWS/EMC		SEB:	Lundry			Storm Number ID:		N/A		
Program:		PRX			Olney			(ie: AL072012)				
Purpose:		Repo to TNCA		MX:	Mazur			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>				

\*Highlighted items must be completed before departure.

Remarks:


## P-3 QC Checklist

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

Flight ID:	20220915H1
Flight Director(s):	Kalen/Holmes
Mission:	Ferry
UWZ.d mean:	0.1

Pressure Comparison		
	T/O	Land
Aircraft	1010.1	
Tower	1011.5 (KLAL)	1006.2 (TNCA)

	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	X 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.	
<input checked="" type="checkbox"/>	Error Summary
<input 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 type="checkbox"/>	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:

PDALPHA.1 and PDALPHA.2 differ up about ~10 mb towards the begining of the flight, with the difference decreasing with time.

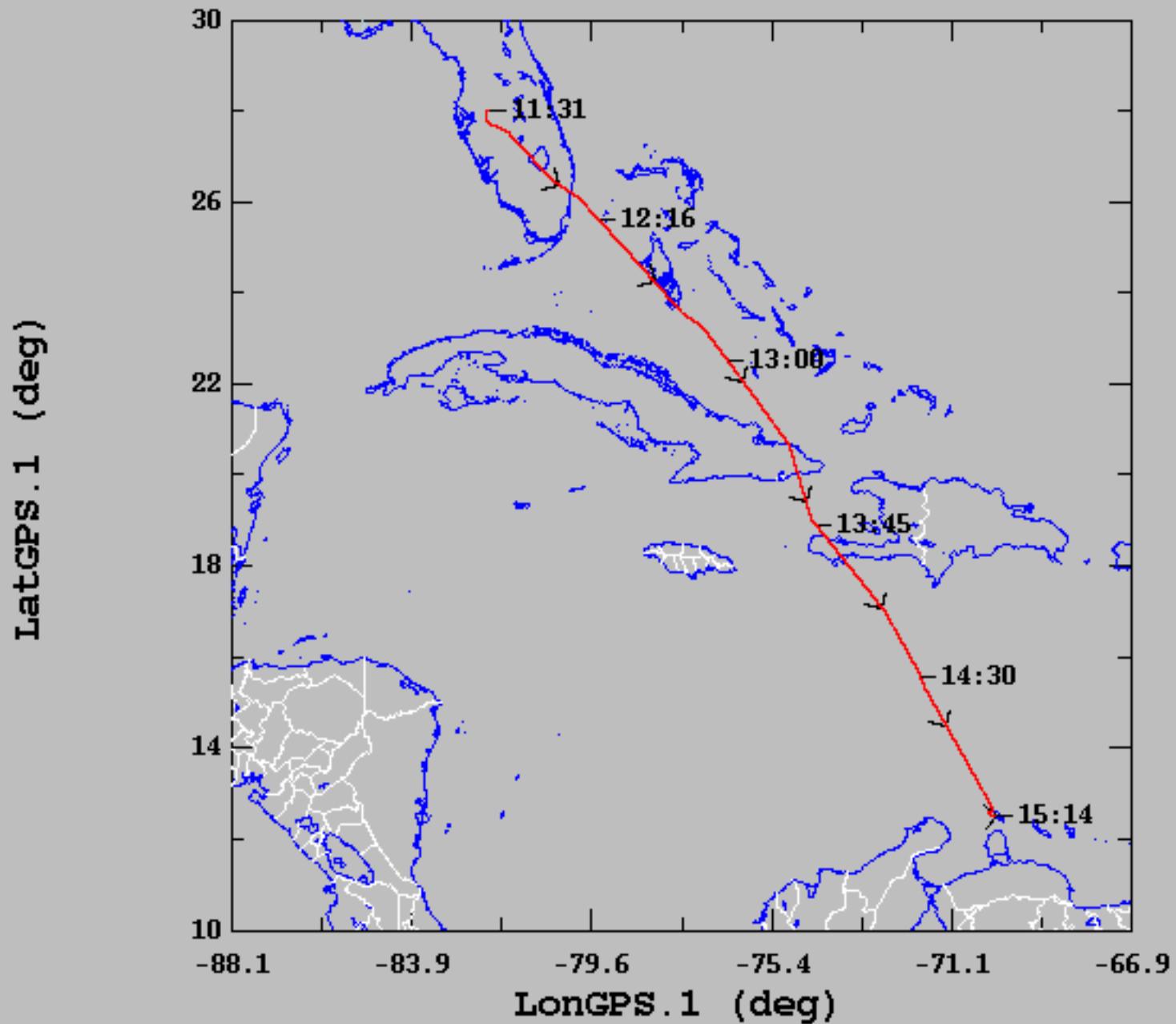
PDBETA.1 and PD.BETA.2 differe about 10 mb throughout flight.

PQM.1 unrepresentative data throughout flight.

TDM.1 more sensitive than TDM.2.

Several gaps in relative humidity when supersaturated.

2022-09-15, 11:31:55-15:14:34



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	20.56	4.78	12.50	27.99
— LongGPS.1 (deg), 1 s/sec	-75.57	3.66	-82.10	-70.02