

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20231023I1	FLT #:	FY24-	AC:	Doremus	Scientists:	Pressure		Dropsondes		
From:	TBPB	ETD:	0830L / 1230Z	CP(s):	Wood	Frank Marks (HRD)	A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	1330L / 1730Z		Keith	Jun Zhang (HRD)			0	0	0
Block Time		Flight Time		NAV:	Miller	Joe Cione (HRD)	ASOS Takeoff	1005.9	BTs		
Out:	12:07	T/O:	12:14	FE(s):	Tyson		A/C Land		Good	Bad	Sent
In:	17:30	Land:	17:07	FD(s):	Wysinger				0	0	0
Total:	5.4	Total:	4.9	SSA:	Richards	Visitors:	ASOS Land	1013.8			
Sponsoring Org:	HX - NHC/EMC			AVAPS:	Waggoner		Storm Number ID:		N/A		
Program:	PRX			SEB:	Patel (IFT)		(ie: AL072012)				
Purpose:	Repo Barbados - KLAL				Sans Souci (MX)		TCPOD/WSPOD Mission		NOAA3 WXWXA TRAIN		
				MX:	Carrion / Ohsiek		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	Minor instrument issue(s) - minimal mission impact.
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Flight ID:	20231023I1
Flight Director(s):	Zawislak / Hathaway
Mission:	Ferry
UWZ.d mean:	-0.36

Pressure Comparison		
	T/O	Land
Aircraft	1007.11 mb	N/A
Tower	1005.9 mb	1014.0 mb

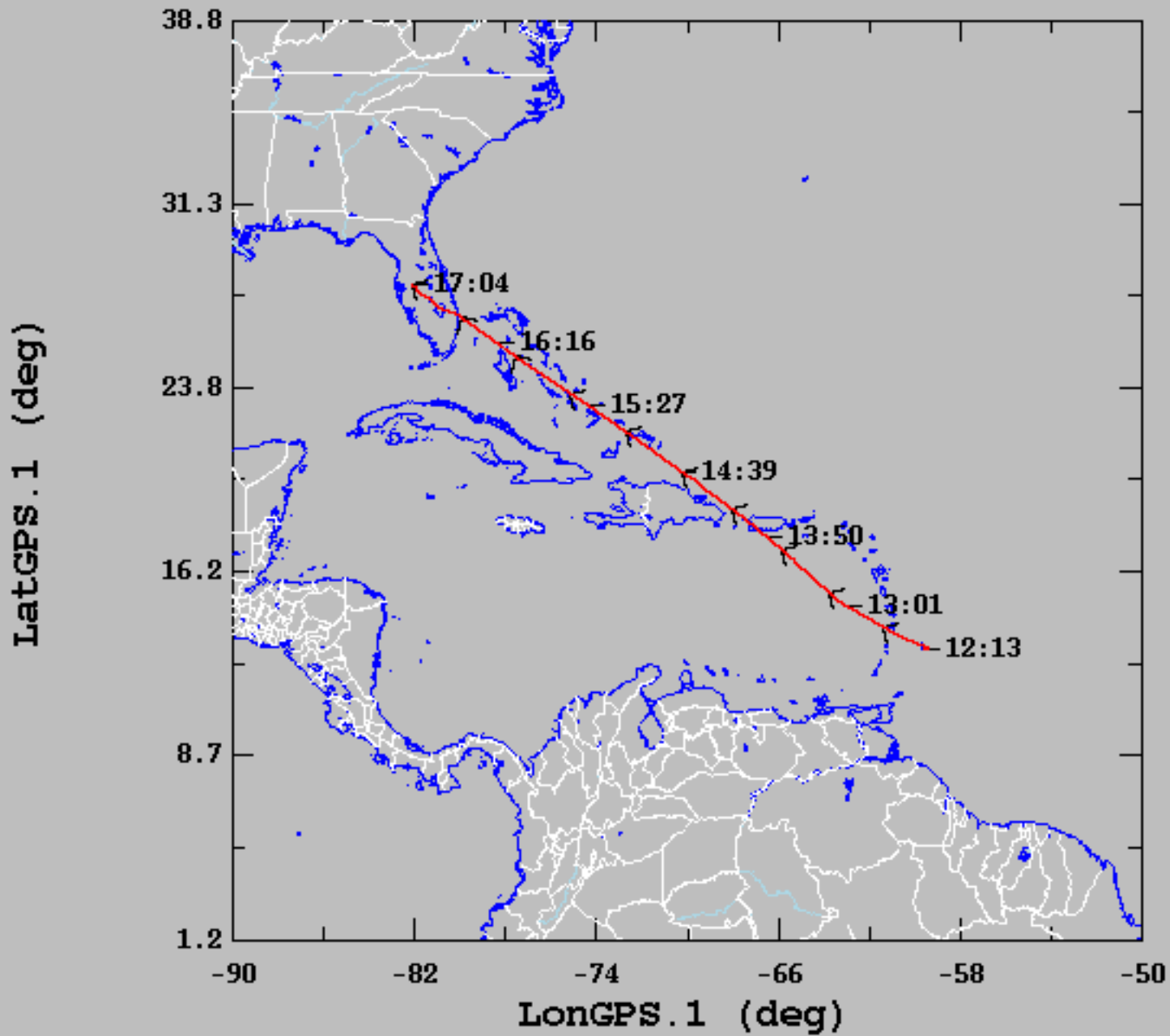
	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	✓ AccAXI.1 ✓ AccAXI.2 ✓ AccAXI-GPS.1 ✓ AccAXI-GPS.2	✓ AccAYI.1 ✓ AccAYI.2 ✓ AccAYI-GPS.1 ✓ AccAYI-GPS.2	✓ AccAZI.1 ✓ AccAZI.2 ✓ AccAZI-GPS.1 ✓ AccAZI-GPS.2	✓ AccZfilter-GPS.1 ✓ AccZfilter-GPS.2	✓ AccZref	
✓ Altitude	✓ AltGPS.1 ✓ AltGPS.2 X AltGPS.3 X 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 X LatGPS.3 X LatGPS.4	✓ LatI-GPS.1 ✓ LatI-GPS.2	✓ LonGPS.1 ✓ LonGPS.2 X LonGPS.3 X 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 X PQM.4	✓ PSM.1 ✓ PSM.2 ✓ PTM.1	X PDALPHAref X PDBETAref X PQALPHAref X 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 X PitchI.3	✓ PitchRateI.1 ✓ PitchRateI.2 X PitchRateI.3	✓ RollI.1 ✓ RollI.2 X RollI.3	✓ RollRateI.1 ✓ RollRateI.2 X RollRateI.3	✓ PITCHref ✓ ROLLref	
✓ Temp / Dewpt	✓ TTM.1 ✓ TTM.2 X TTM.3	✓ TDM.1 ✓ TDM.2 X TDM.3	✓ TRadD.1 ✓ TRadS.1 X TRadU.1	✓ TD.c ✓ TDMref ✓ TTMref ✓ TA.d		
✓ Misc. (Must check)					✓ UWZ.d X DPJ_WSZ ✓ HUM	✓ WS.d ✓ WD.d

FLID_Mission_Documents.pdf.
✓ Error Summary
✓ Crew Manifest
✓ QC Checklist
X 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)	<input checked="" type="checkbox"/>

NOTES:
<p>- AltGPS.3, LatGPS.3, LonGPS.3 and AltGPS.4, LatGPS.4, and LonGPS.4 are unavailable.</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>- PQM.1 and PQM.4 have an offset ranging from +/- 2-25 mb during majority of the flight, with PQM.1 experiencing largest deviations from other PQM sensors.</p> <p>- TDM.2 also labeled as TDMref appears to produce erroneous data between 3.5 to 5 hours into flight and appears to have potentially frozen over. TDM.1 follows trend of TDM.2 mostly throughout flight.</p>

2023-10-23, 12:13:25-17:04:50



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	20.32	4.53	13.07	27.95
— LongGPS.1 (deg), 1 s/sec	-70.49	6.69	-82.07	-59.40