

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	2022052611	FLT #:	1	AC:	Shaw	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1700 Z	CP(s):	Keith	Joe Cione	A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	2100 Z			Josh Wadler			2	0	0
Block Time		Flight Time		NAV:	Miller, R	Jun Zhang	ASOS Takeoff		BTs		
In:	<b>23:13</b>	Land:	<b>23:08</b>	FE(s):	Stokes				Good	Bad	Sent
Out:	<b>17:23</b>	T/O:	<b>17:56</b>	FD(s):	Hathaway		ASOS Land		3	0	0
Total:	<b>5.8</b>	Total:	<b>5.2</b>	SSA:	Richards, T	Visitors:			Storm Number ID:		N/A
Sponsoring Org:	AOC			AVAPS:	Patel	Elston	(ie: AL072012)				
Program:	W8AN43POP-UAS			SEB:	Underwood	Fromm	TCPOD/WSPOD Mission		NOAA3 WXWXA TRAIN		
Purpose:	Blackswift Testing			MX:			(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							
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:	N/A			

\*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:	20220526I1
Flight Director(s):	Hathaway
Mission:	Ferry
UWZ.d mean:	0.42

Pressure Comparison		
	T/O	Land
Aircraft	1013.4 mb	N/A
Tower	1014.4 mb	1011.7 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 ✓ 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	X 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	X PitchI.1 X PitchI.2 ☐ PitchI.3	✓ PitchRatel.1 ✓ PitchRatel.2 ☐ PitchRatel.3	X RollI.1 X RollI.2 ☐ RollI.3	✓ RollRatel.1 ✓ RollRatel.2 ☐ RollRatel.3	✓ PITCHref ✓ ROLLref	
✓ Temp / Dewpt	✓ TTM.1 X TTM.2 X TTM.3	X TDM.1 X TDM.2 ☐ TDM.3	✓ TRadD.1 ✓ TRadS.1 ☐ TRadU.1		X TD.c ✓ TDMref	✓ TTMref ✓ TA.d
✓ Misc. (Must check)					✓ UWZ.d ✓ DPJ_WSZ ✓ HUM	✓ WS.d ✓ WD.d

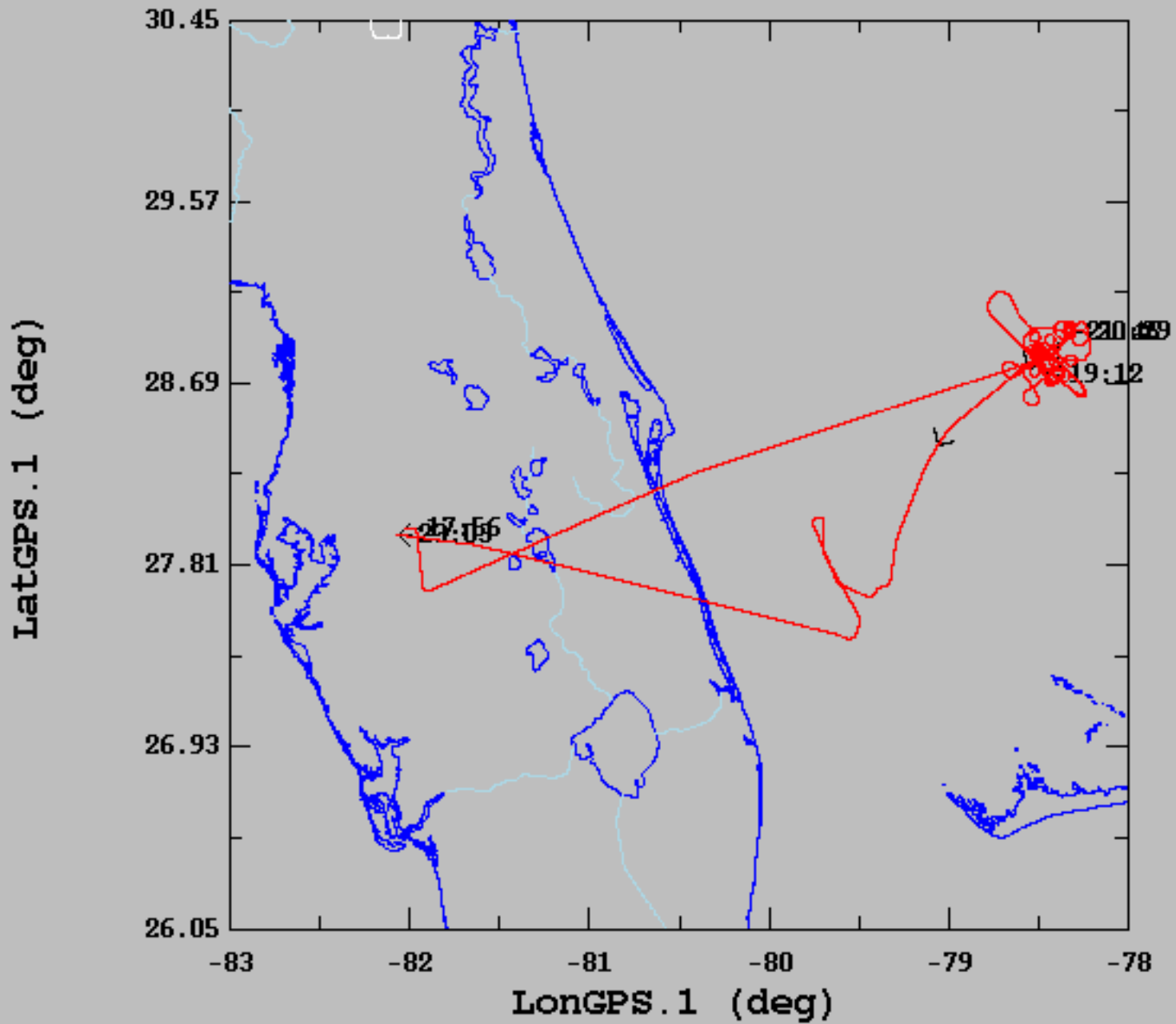
FLID_Mission_Documents.pdf.	
✓	Error Summary
✓	Crew Manifest
✓	QC Checklist
✓	Dropwindsonde Log(s) - AVAPS and FD if completed
✓	Flight Track
✓	Miscellaneous FD Notes

QC Key	
Not checked	☐
Valid	✓
Errors (note)	X

### NOTES:

- Slight oscillation apparent at finer scales in variables: PitchI.1, PitchI.2, RollI.1, RollI.2, PSM.1, PQM.1
- TTM.2, TDM.1, TD.c at take off noticed slight oscillation at finer scales.
- Difference of roughly 40 mb between PDAAlpha.1 and PDAAlpha.2
- PQM.1 approximately 5-15 mb higher than rest of PQMs.
- TDM.2 unrepresentative for entire flight.

2022-05-26, 17:56:00-23:03:49



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	28.52	0.45	27.45	29.13
— LongGPS.1 (deg), 1 s/sec	-79.09	1.07	-82.07	-78.21