

Phone #: 863-500-3901

ACAT-4 Version = 7.4

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	2021082811	FLT #:	21-	AC:	Mitchell	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	0800Z	CP(s):	Doremus	Alaka, Gus	A/C Takeoff	1011.1	Good	Bad	Sent
To:	KLAL	ETA:	1600Z		Copare	Hazelton, Andy			ASOS Takeoff	KLAL 0950Z 1011.6 mb	30
Block Time		Flight Time		NAV:	Hough	Chang, Paul	A/C Land	1012.4			BTs
In:	15:50	Land:	15:44	FE(s):	Darby	Freeman (NAV)			ASOS Land	KLAL 1550Z 1013.7 mb	Good
Out:	7:50	T/O:	7:57	FD(s):	Green		Bennet (FE)	17			2
Total:	8.0	Total:	7.8	SSA:	Mascaro	Visitors:	Storm Number ID:		AL092021		
Sponsoring Org:		NWS / EMC			AVAPS:	Warnecke	(ie: AL072012)				
Program:		PRX			SEB:		TCPOD/WSP0D Mission		NOAA3 0809A IDA		
Purpose:		TDR Mission #2 IDA (Hurr)			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:	4 (Hurricane)			

*Highlighted items must be completed before departure.

Remarks:

P-3 QC Checklist

Overall Assessment	Minor instrument issue(s) - no mission impact.
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Flight ID:	2021082811
Flight Director(s):	Carpenter
Mission:	Tasked/Operational
UWZ.d mean:	0.04

Pressure Comparison		
	T/O	Land
Aircraft	1011.1	1012.4
Tower	KLAL 0950Z 1011.6 mb	KLAL 1550Z 1013.7 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 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 ✓ LatGPS.3 X LatGPS.4	✓ LatI-GPS.1 ✓ LatI-GPS.2	✓ LonGPS.1 ✓ LonGPS.2 ✓ 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	✓ PQM.1 ✓ PQM.2 ✓ PQM.3 ✓ PQM.4	✓ PSM.1 ✓ PSM.2 ✓ PTM.1	✓ PDLAPHaref ✓ PDBETAref ✓ PQALPHAref ✓ PQBETAref	✓ PQMref ✓ PQ.c ✓ PSMref ✓ PS.c
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1	✓ lasADDU.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 ✓ 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
X Miscellaneous FD Notes

QC Key	
Not checked	<input type="checkbox"/>
Valid	<input checked="" type="checkbox"/>
Errors (note)	<input checked="" type="checkbox"/>

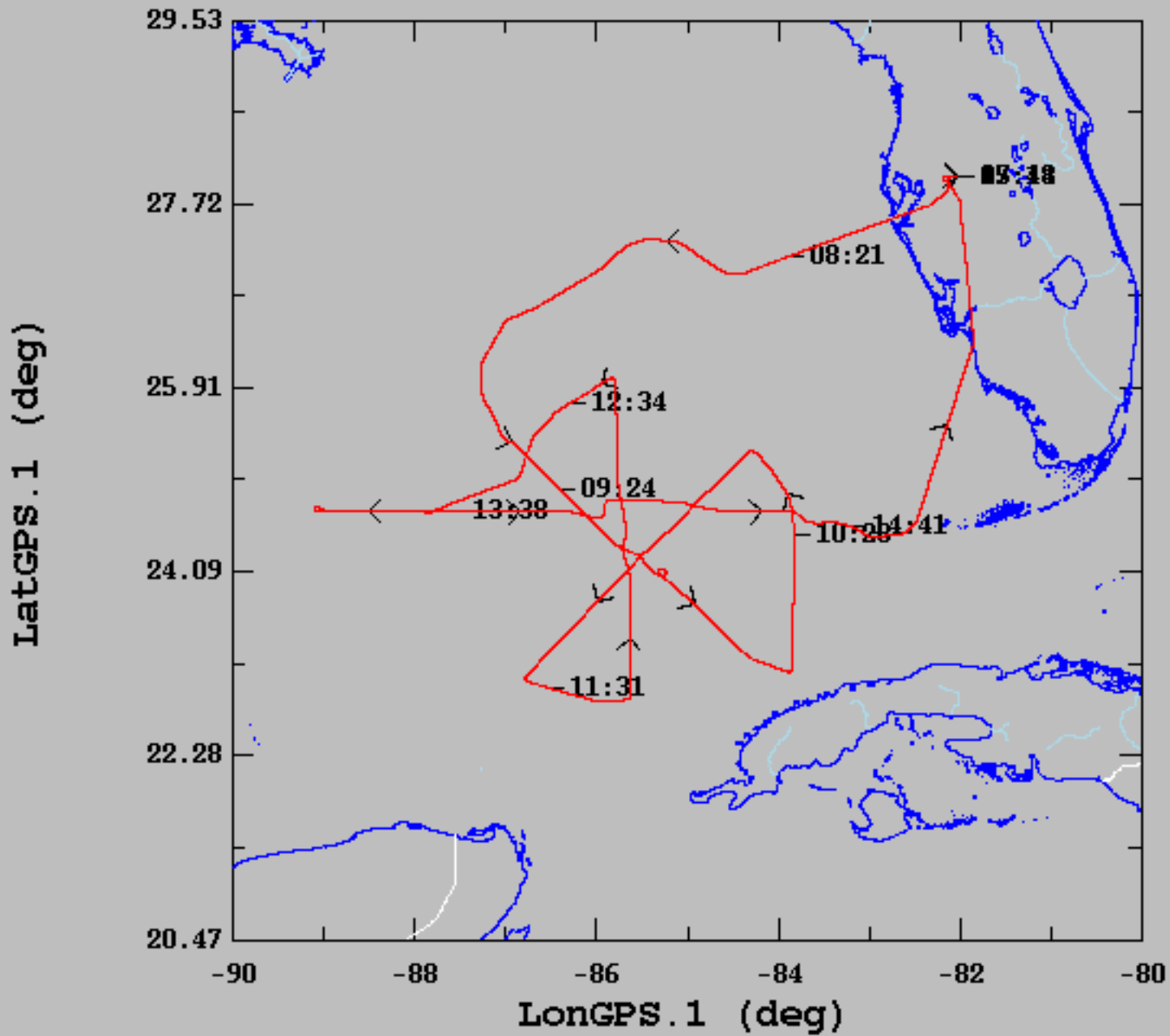
NOTES:
<p>GPS.4 unavailable.</p> <p>10-20 mb difference between PSM.1 and PSM.2. PSM.2 appears more stable.</p> <p>PitchI.3 and RollI.3 unavailable.</p> <p>TTM.3 inoperative.</p> <p>TDM.3 trends with TDM.1 and TDM.2 but is an outlier.</p> <p>TRadU.1 inoperative.</p>

AVAPS Drop Log

Project: HURE 21 Mission: Hortense Ida Flight ID: 20210828I1
 Take Off: 0757Z Landing: Flt Dir: Carpeteer Launcher S/N: 002
25.10

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	204521237	1	-5	0919	JW	NWS	IP 1	✓
2	203630335	2	-4	0932		NWS	Midpoint	✓
3	203350246	3	-1.1	0940		ONR	RMW	✓
4	204650038	4	Ø	0944		NWS	CTR	✓
5	204530504	5	Ø	0950		ONR	RMW	✓
6	204650399	6	-5	1001		NWS	Midpoint	✓
7	204521383	7	-3	1011		NWS	Endpoint 1	✓
8	204521408	8	-5	1042		NWS	IP 2	✓
9	204521286	1	-5	1050		NWS	Midpoint	✓
10	204521375	2	-5	1058		ONR	RMW	✓
11	204521386	3	-5	1101		NWS	CTR	✓
12	204260589	4	-5	1113		ONR	RMW	✓
13	203350274	5	-1.1	1121		NWS	Midpoint Outbound	✓
14	204650034	6	-3	1127		NWS	Endpoint Outbound	✓
15	204521376	7	-5	1143		NWS	Endpoint inbound	X
16	204521377	8	-5	1144		NWS	Backup endpoint	X
17	204521385	1	-3	1154		NWS	Midpoint inbound	✓
18	204710299	2	Ø	1203		ONR	RMW inbound	✓
19	204650035	3	Ø	1205		NWS	Center	✓
20	204521374	4	-4	1210		ONR	RMW outbound	✓
21	204521381	5	-4	1222		NWS	Midpoint outbound	✓
22	204270015	6	-4	1227		NWS	Late LID	✓
23	204530194	7	-5	1228		NWS	backup endpoint outbound	✓
24	204530743	8	-4	1236		ONR	repo leg 1	✓
25	204521382	1	-3	1246		ONR	repo leg 2	✓
26	204521384	2	-5	1334		NWS	Endpoint inbound	✓
27	204520776	3	Ø	1347		NWS	Midpoint inbound	✓
28	204520795	4	Ø	1358		ONR	RMW inbound	✓
29	204520783	5	Ø	1402		NWS	Center	✓
30	204650036	6	Ø	1405		ONR	RMW outbound	✓
31	204520779	7	Ø	1415		NWS	Midpoint outbound	✓
32	204650398	8	Ø	1429		NWS	Endpoint outbound	✓

08/28/2021, 07:18:14-15:44:57



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	25.30	1.47	22.81	27.99
— LongGPS.1 (deg), 1 s/sec	-84.97	1.95	-89.09	-81.84