



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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20220905H1	FLT #:	22-	AC:	Abitbol	Scientists:	Pressure		Dropsondes		
From:	TISX	ETD:	0900Z	CP(s):	Rannenberg	Rob Rogers	A/C Takeoff		Good	Bad	Sent
To:	TISX	ETA:	1600Z		Keith	Jun Zhang			<b>25</b>	<b>2</b>	<b>25</b>
Block Time		Flight Time		NAV:	Hough	Kerri Englert	ASOS Takeoff		BTs		
In:	<b>14:14</b>	Land:	<b>14:12</b>	FE(s):	Stokes	Daniel Stern			Good	Bad	Sent
Out:	<b>8:50</b>	T/O:	<b>8:55</b>	FD(s):	Gee	Trey Alvey	A/C Land		2	0	0
Total:	<b>5.4</b>	Total:	<b>5.3</b>	SSA:	McAlister	Visitors:	ASOS Land				
Sponsoring Org:	NWS / EMC			AVAPS:	Dykeman		Storm Number ID:		AL062022		
Program:	PRX			SEB:	Miller (NAV)		(ie: AL072012)				
Purpose:	AM TDR mission #3 TS EARL			MX:	Green (FE)		TCPOD/WSPOD Mission		NOAA2 0906A EARL		
							(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>	4 (TS)			
							*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:	20220905H1
Flight Director(s):	Carpenter
Mission:	Tasked/Operational
UWZ.d mean:	0.16

Pressure Comparison		
	T/O	Land
Aircraft	1008.5	
Tower	1009.2 (TISX)	1012.3 (TISX)

	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:

PDALPHA.1 and PDALPHA.2 differ by about 15 mb.

TDM.1 more sensitive than TDM.2.

### AVAPS Drop Log

 Project: Hurricane 2022

 Mission: AL-91

 Flight ID: 20220905H1

 Take Off: 0855

 Landing: 1412

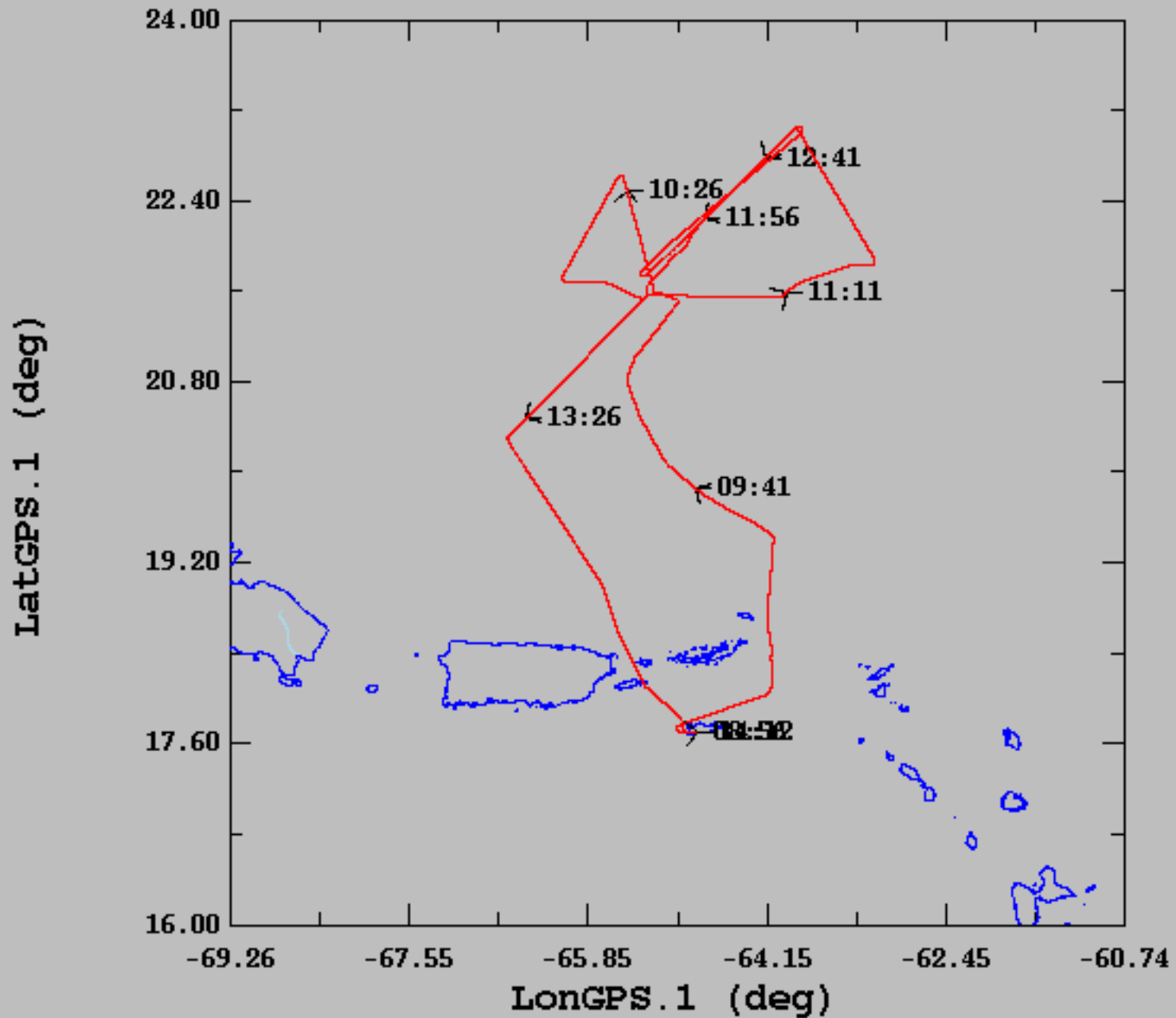
 Flt Dir: Carpenter

Launcher S/N: \_\_\_\_\_

P1 IP  
 P1 MPI  
 P1 CP  
 P1 RMW  
 P1 RMW  
 P1 RMW  
 P1 MPD/EP  
 P2 IP/MPI  
 P2 RMW  
 P2 RMW  
 P2 RMW  
 P2 CP  
 P2 MPD  
 P2 RMW  
 P2 EP  
 P3 IP  
 P3 MPI  
 P3 RMW1  
 P3 RMW2  
 P3 RMW3  
 P3 CP  
 P3 RMW0  
 P3 MPD  
 P3 EP

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	221250242	1	-0.6	0954	BRD	EMC		Y
2	211230775	2	-0.3	0947	BRD	EMC		Y
3	221250043	3	-0.9	1012	BRD	EMC		
4	211330014	4	-1.2	1015	BRD	ONR		
5	221220215	5	-0.9	1016	BRD	ONR		
6	221240280	6	-0.8	1017	BRD	ONR		
7	221220725	3	-0.4	1026	BRD	EMC	COMBO DROP	
8	221250019	8	-0.4	1042	BRD	EMC		
9	211230711	1	-1.1	1044	BRD	ONR	telemetry fail after LD	BA D
10	221250033	2	-0.3	1052	BRD	ONR		
11	221220391	3	-0.2	1052	BRD	ONR	<del>COMBO DROP</del>	
12	221250039	4	-0.9	1154	BRD	EMC	COMBO DROP	
13	221210178	5	-0.2	1108	BRD	EMC		
14	221220358	6	-0.7	1114	BRD	EMC		
15	221250022	7	-0.9	1120	BRD	EMC		
16	221220288	8	-0.1	1206	BRD	ONR	WINDS A BIT LATE	
17	221240282	1	-0.6	1221	BRD	ONR		
18	221250046	2	-0.6	1221	BRD	ONR		
19	220840714	3	-0.8	1236	BRD	EMC		
20	221250021	4	-0.4	1249	BRD	EMC		
21	221030008	5	-0.2	1254	BRD	ONR		
22	221240273	6	-0.5	1254	BRD	ONR		
23	211321216	7	-0.9	1255	BRD	ONR		
24	221250017	8	-0.5	1305	BRD	EMC		
25	221220370	1	-0.2	1312	BRD	ONR		
26	221250023	2	-0.6	1316	BRD	EMC		
27	221220212	3	-0.5	1329	BRD	EMC		
28								
29								
30								
31								

2022-09-05, 08:56:11-14:12:01



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	20.98	1.57	17.69	23.05
— LongGPS.1 (deg), 1 s/sec	-64.90	0.79	-66.61	-63.12