



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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20220904H1	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>16</b>	<b>0</b>	<b>16</b>
Block Time		Flight Time		NAV:	Hough	Kerri Englert	ASOS Takeoff		BTs		
In:	<b>14:08</b>	Land:	<b>14:03</b>	FE(s):	Stokes	Daniel Stern			Good	Bad	Sent
Out:	<b>8:59</b>	T/O:	<b>9:04</b>	FD(s):	Carpenter		A/C Land		Good	Bad	Sent
Total:	<b>5.2</b>	Total:	<b>5.0</b>	SSA:	McAlister	Visitors:			ASOS Land		<b>2</b>
Sponsoring Org:	NWS / EMC			AVAPS:	Dykeman		Storm Number ID:		<b>AL062022</b>		
Program:	PRX			SEB:	Miller (NAV)		(ie: AL072012)				
Purpose:	AM TDR mission #2 TS EARL			MX:	Green (FE)		TCPOD/WSPOD Mission		<b>NOAA2 0706A EARL</b>		
							(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						
LACK OF PRECIPITATION					X		<b>2</b>				
RELATIVE HUMIDITY ≥ 80%				X							
LARGE AIR-SEA TEMP GRADIENT					X		<b>3</b>				
HIGH SURFACE WINDS					X						
LONG FETCH / DURATION OF SFC WND					X		<b>4</b>				
SEA SALT ACCRETION FORECAST					X						
SEA SALT ACCRETION OBSERVED					X		<b>Pennies:</b>	3 (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:	20220904H1
Flight Director(s):	Carpenter
Mission:	Tasked/Operational
UWZ.d mean:	0.03

Pressure Comparison		
	T/O	Land
Aircraft	1006.1	
Tower	1007.2 (TISX)	1009.9 (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.

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

TDM.1 much noisier than TDM.2.

### AVAPS Drop Log

Project: Hurricane 2022 Mission: AL-91 Flight ID: 2022-0704H1  
 Take Off: 904 Landing: 1403 Flt Dir: Carpenter Launcher S/N: 46TUR

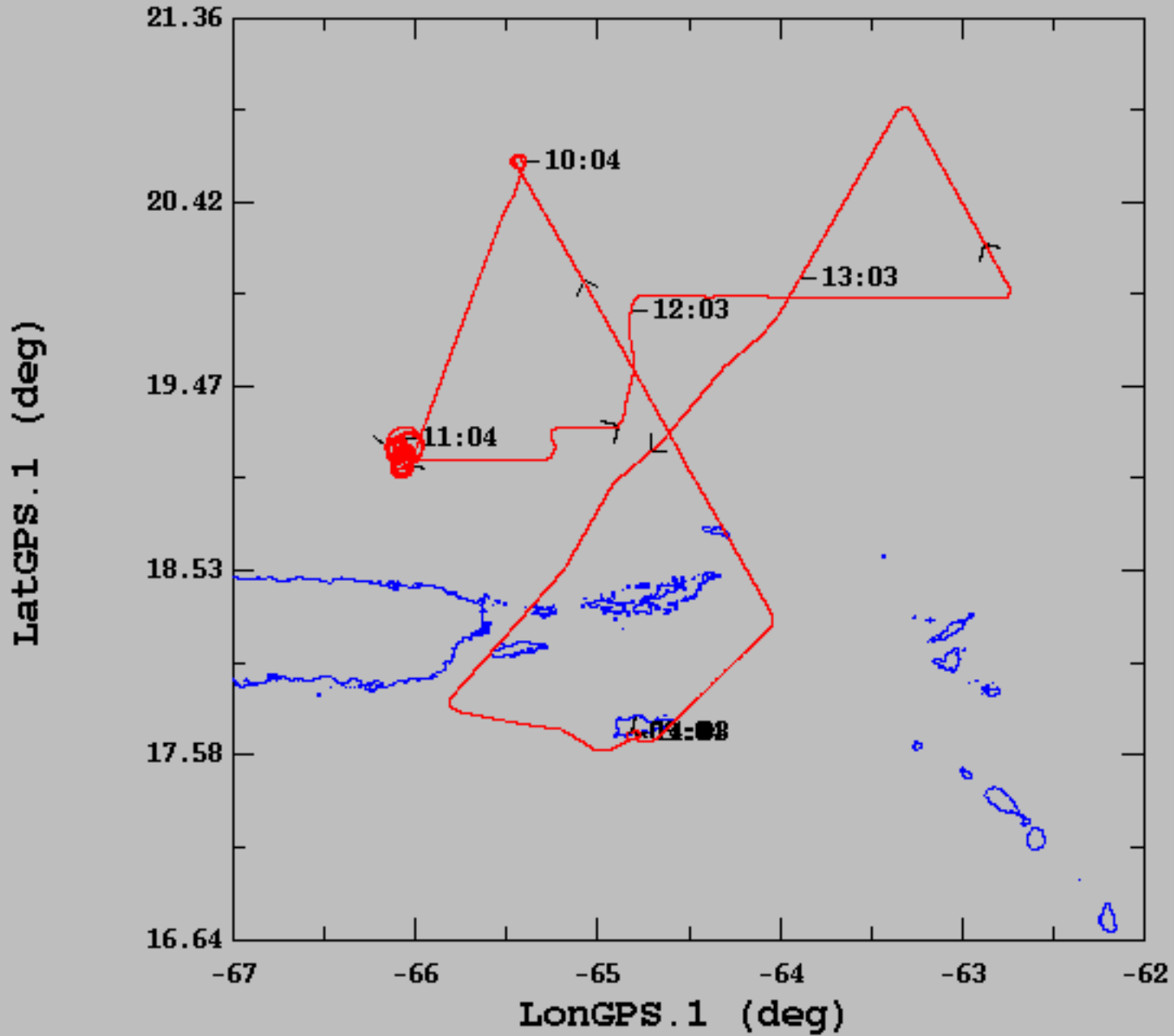
Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	221210023	1	-.5	0920	BRD	EMC	LATE WINDS	N
2	221210624	2	-.7	0921	BRD	EMC		Y
3	221210025	3	-.7	0931	BRD	EMC		Y
4	221030216	4	-.7	0943	BRD	EMC		Y
5	221240272	1	-.6	1004	BRD	EMC		Y
6	220910413	2	-.4	1139	BRD	EMC	COMBO GOOD BT	Y
7	221240272	3	-.6	1157	BRD	EMC	COMBO GOOD BT	Y
8	221250040	4	-.4	1221	BRD	EMC		↓
9	221248712	5	-.7	1231	BRD	EMC		
10	211240147	6	-.9	1248	BRD	EMC		
11	221240278	7	-.8	1300	BRD	ONR		
12	221030230	8	-.5	1301	BRD	ONR		
13	221220277	1	-.7	1302	BRD	ONR		
14	221250047	2	-.5	1310	BRD	EMC		
15	211230767	3	-.5	1324	BRD	EMC		
16	221250024	4	-.1	1342	BRD	EMC		
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

BAD

P1 IP  
 P1 IP2  
 P1 MP1  
 P1 CP  
 P1 MP/EP  
 P2 IP/MP  
 P2 CP  
 P2 MP0  
 P2 CP  
 P3 IP  
 P3 RMW/MP  
 P3 RMW/MP  
 P3 RMW/MP  
 P3 CP  
 P3 MP0  
 P3 EP

15/16

2022-09-04, 09:04:35-14:03:22



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	19.31	0.81	17.60	20.90
— LongGPS.1 (deg), 1 s/sec	-64.98	0.96	-66.16	-62.73