

Flight Director: Kalen / Carpenter
Phone #: 863-500-3962

ACAT-4 Version = 7.4

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20221008H1	FLT #:		AC:	Mitchell	Scientists:	Pressure		Dropsondes		
From:	TNCA	ETD:	2000Z	CP(s):	Rannenberg	Sellwood	A/C Takeoff		Good	Bad	Sent
To:	TNCA	ETA:	0400Z		Copare	Zawislak			27	0	25
Block Time		Flight Time		NAV:	Utama	ASOS Takeoff		BTs			
In:	0352Z	Land:	0348Z	FE(s):	Darby			A/C Land		Good	Bad
Out:	1946Z	T/O:	1953Z	FD(s):	Pittman	ASOS Land				0	0
Total:	8.1	Total:	7.9	SSA:	McAlister			Visitors:	Storm Number ID:		
				AVAPS:	Dykeman	(ie: AL072012)					
Sponsoring Org:	NWS/EMC			SEB:	Lambert		TCPOD/WSPOD Mission				
Program:	PRX				MX:			(ie: NOAA2 2418A SANDY)			
Purpose:	TDR			OBSERVATIONS							
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X		1	25	0056Z	990mb	
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 - Cat 1			

*Highlighted items must be completed before departure.

Remarks:

P-3 QC Checklist

Flight ID:	20221008H1
Flight Director(s)	Kalen / Carpenter
UWZ.d mean:	0.15

Pressure Comparison		
	T/O	Land
Aircraft	1006.0	-
Tower	1005.1	1009.1

	Raw 1Hz Mean File Parameters				C File Parameters	
<input checked="" type="checkbox"/> Accelerometer	<input checked="" type="checkbox"/> AccAXI.1 <input checked="" type="checkbox"/> AccAXI.2 <input checked="" type="checkbox"/> AccAXI-GPS.1 <input checked="" type="checkbox"/> AccAXI-GPS.2	<input checked="" type="checkbox"/> AccAYI.1 <input checked="" type="checkbox"/> AccAYI.2 <input checked="" type="checkbox"/> AccAYI-GPS.1 <input checked="" type="checkbox"/> AccAYI-GPS.2	<input checked="" type="checkbox"/> AccAZI.1 <input checked="" type="checkbox"/> AccAZI.2 <input checked="" type="checkbox"/> AccAZI-GPS.1 <input checked="" type="checkbox"/> AccAZI-GPS.2	<input checked="" type="checkbox"/> AccZfilter-GPS.1 <input checked="" type="checkbox"/> AccZfilter-GPS.2	<input checked="" type="checkbox"/> AccZref	
<input checked="" type="checkbox"/> Altitude	<input checked="" type="checkbox"/> AltGPS.1 <input checked="" type="checkbox"/> AltGPS.2 <input checked="" type="checkbox"/> AltGPS.3 <input checked="" type="checkbox"/> AltGPS.4	<input checked="" type="checkbox"/> AltI-GPS.1 <input checked="" type="checkbox"/> AltI-GPS.2	<input checked="" type="checkbox"/> AltPaADDU.1 <input checked="" type="checkbox"/> AltBCADDU.1	<input checked="" type="checkbox"/> AltRA.1 <input checked="" type="checkbox"/> AltRA.2	<input checked="" type="checkbox"/> ALTref <input checked="" type="checkbox"/> ALTPA.d <input checked="" type="checkbox"/> ALTGA.d	<input checked="" type="checkbox"/> AltRA1.c <input checked="" type="checkbox"/> AltRA2.c
<input checked="" type="checkbox"/> Ground Speed	<input checked="" type="checkbox"/> GsXI-GPS.1 <input checked="" type="checkbox"/> GsXI-GPS.2	<input checked="" type="checkbox"/> GsYI-GPS.1 <input checked="" type="checkbox"/> GsYI-GPS.2	<input checked="" type="checkbox"/> GsZI-GPS.1 <input checked="" type="checkbox"/> GsZI-GPS.2		<input checked="" type="checkbox"/> GSXref <input checked="" type="checkbox"/> GSYref <input checked="" type="checkbox"/> GSZref	
<input checked="" type="checkbox"/> Lat / Lon	<input checked="" type="checkbox"/> LatGPS.1 <input checked="" type="checkbox"/> LatGPS.2 <input checked="" type="checkbox"/> LatGPS.3 <input checked="" type="checkbox"/> LatGPS.4	<input checked="" type="checkbox"/> LatI-GPS.1 <input checked="" type="checkbox"/> LatI-GPS.2	<input checked="" type="checkbox"/> LonGPS.1 <input checked="" type="checkbox"/> LonGPS.2 <input checked="" type="checkbox"/> LonGPS.3 <input checked="" type="checkbox"/> LonGPS.4	<input checked="" type="checkbox"/> LonI-GPS.1 <input checked="" type="checkbox"/> LonI-GPS.2	<input checked="" type="checkbox"/> LATref <input checked="" type="checkbox"/> LONref	
<input checked="" type="checkbox"/> Pressure	<input checked="" type="checkbox"/> PDALPHA.1 <input checked="" type="checkbox"/> PDALPHA.2 <input checked="" type="checkbox"/> PDBETA.1 <input checked="" type="checkbox"/> PDBETA.2	<input checked="" type="checkbox"/> PQALPHA.1 <input checked="" type="checkbox"/> PQBETA.1	<input checked="" type="checkbox"/> PQM.1 <input checked="" type="checkbox"/> PQM.2 <input checked="" type="checkbox"/> PQM.3 <input checked="" type="checkbox"/> PQM.4	<input checked="" type="checkbox"/> PSM.1 <input checked="" type="checkbox"/> PSM.2 <input checked="" type="checkbox"/> PTM.1	<input checked="" type="checkbox"/> PDLAPHaref <input checked="" type="checkbox"/> PDBETAref <input checked="" type="checkbox"/> PQALPHaref <input checked="" type="checkbox"/> PQBETAref	<input checked="" type="checkbox"/> PQMref <input checked="" type="checkbox"/> PQ.c <input checked="" type="checkbox"/> PSMref <input checked="" type="checkbox"/> PS.c
<input checked="" type="checkbox"/> Air Speed	<input checked="" type="checkbox"/> CasADDU.1	<input checked="" type="checkbox"/> TasADDU.1	<input checked="" type="checkbox"/> IasADDU.1		<input checked="" type="checkbox"/> IAS.d	<input checked="" type="checkbox"/> TAS.d
<input checked="" type="checkbox"/> Pitch / Roll	<input checked="" type="checkbox"/> PitchI.1 <input checked="" type="checkbox"/> PitchI.2 <input type="checkbox"/> PitchI.3	<input checked="" type="checkbox"/> PitchRateI.1 <input checked="" type="checkbox"/> PitchRateI.2 <input type="checkbox"/> PitchRateI.3	<input checked="" type="checkbox"/> RolLI.1 <input checked="" type="checkbox"/> RolLI.2 <input type="checkbox"/> RolLI.3	<input checked="" type="checkbox"/> RollRateI.1 <input checked="" type="checkbox"/> RollRateI.2 <input type="checkbox"/> RollRateI.3	<input checked="" type="checkbox"/> PITCHref <input checked="" type="checkbox"/> ROLLref	
<input checked="" type="checkbox"/> Temp / Dewpt	<input checked="" type="checkbox"/> TTM.1 <input checked="" type="checkbox"/> TTM.2 <input type="checkbox"/> TTM.3	<input checked="" type="checkbox"/> TDM.1 <input checked="" type="checkbox"/> TDM.2 <input style="color: red;"/> x TDM.3	<input checked="" type="checkbox"/> TRadD.1 <input checked="" type="checkbox"/> TRadS.1 <input type="checkbox"/> TRadU.1		<input checked="" type="checkbox"/> TD.c <input checked="" type="checkbox"/> TDMref	<input checked="" type="checkbox"/> TTMref <input checked="" type="checkbox"/> TA.d
<input checked="" type="checkbox"/> Misc. (Must check)					<input checked="" type="checkbox"/> UWZ.d <input checked="" type="checkbox"/> DPJ_WSZ <input style="color: red;"/> x HUM	<input checked="" type="checkbox"/> WS.d <input checked="" type="checkbox"/> WD.d

FLID_Mission_Documents.pdf:
<input checked="" type="checkbox"/> Error Summary
<input checked="" type="checkbox"/> Crew Manifest
<input checked="" type="checkbox"/> QC Checklist
<input checked="" type="checkbox"/> Dropwindsonde Log(s) - AVAPS and FD if completed
<input checked="" type="checkbox"/> Flight Track
<input checked="" type="checkbox"/> Miscellaneous FD Notes

QC Key	
Not checked	<input type="checkbox"/>
Valid	<input checked="" type="checkbox"/>
Errors (note)	<input style="color: red;" type="checkbox"/> x

NOTES:

AVAPS Drop Log

Project: Hurricane 2022

Mission: Julia

Flight ID: 20221008H1

Take Off: 1953Z

Landing: _____

Flt Dir: _____

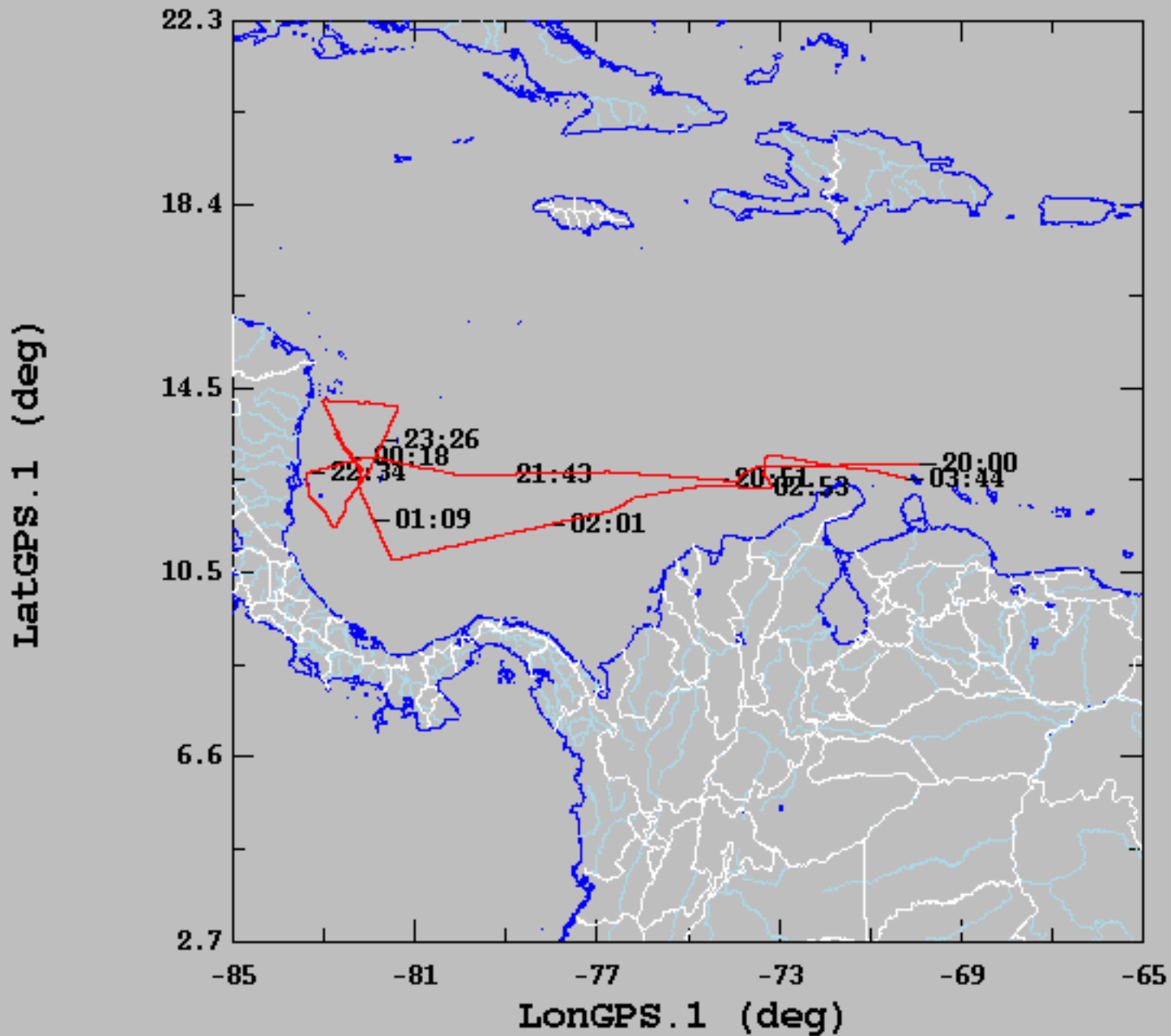
Launcher S/N: _____

P1 IP
 P1 MPI
 P1 QP1
 P1 CP
 P1 QPO
 P1 MPO
 P1 EP
 P2 IP
 P2 MPI
 P2 QP1
 P2 CP
 P2 RMWD1
 P2 RMWD2
 P2 RMWD3
 P2 MPO
 P2 EP
 P3 IP
 FLAMES MPI
 FLAMES RMWD1
 FLAMES CP
 FLAMES RMWD2
 FLAMES MPI2
 FLAMES RMWD3
 FLAMES CP2
 PASS3 CP
 PASS3 MPO
 PASS3 EP

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	210650377	1	-1.0	2152	BAD	EMC		Y
2	213741153	2	-.7	2203	BAD	EMC		Y
3	213740738	3	-.2	2208	BAD	ONR		Y
4	210240921	4	-1.0	2214	BAD	EMC		Y
5	213741154	5	-.5	2220	BAD	ONR		Y
6	210650484	6	-.6	2226	BAD	EMC		Y
7	210240292	7	-.6	2234	BAD	EMC		Y
8	210810045	8	-.7	2253	BAD	EMC		Y
9	210240306	1	-1.0	2302	BAD	EMC		Y
10	213440659	2	-.2	2308	BAD	ONR		Y
11	213830575	3	-.3	2314	BAD	EMC		Y
12	213740470	4	-.1	2317	BAD	ONR		Y
13	213741180	5	-.1	2321	BAD	ONR		Y
14	210430443	6	-.4	2322	BAD	ONR		Y
15	213430271	7	-.3	2329	BAD	EMC		Y
16	210420677	8	-.9	2338	BAD	EMC		Y
17	210240293	1	-1.6	2358	BAD	EMC	LATE WINDS (INTURN)	Y
18	213430293	2	-.3	0009	BAD	EMC		Y
19	210731095	3	-1.1	0015	BAD	ONR		Y
20	210650462	4	-1.2	0024	BAD	ONR		Y
21	210750193	5	-.1	0029	BAD	ONR		Y
22	213430286	6	-1.0	0036	BAD	ONR		Y
23	210710262	7	-1.2	0047	BAD	ONR		Y
24	213430272	8	-	0053	BAD	ONR		Y
25	210820290	1	-	0056	BAD	EMC		Y
26	213740671	2	-.4	0108	BAD	EMC		Y
27	213740779	3	-.3	0123	BAD	EMC		Y
28								
29								
30								
31								

15 NWS
 12 ONR 26/27

2022-10-08, 20:00:00-27:44:39



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	12.56	0.72	10.82	14.21
— LongGPS.1 (deg), 1 s/sec	-78.39	4.18	-83.34	-69.85