

Dropsondes	21	20	21
Test sondes	0	0	0
AXBTs	1	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: KALEN
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:	20240804H2	FLT #:		AC:	Abitbol	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1700L / 2100Z	CP(s):	Wood	Marks (HRD)	A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	0000L / 0400Z		Reeves	Rather (HRD)			21	0	21
Block Time		Flight Time		NAV:	Utama / Dunford		ASOS Takeoff		BTs		
In:	4:07	Land:	4:00	FE(s):	Stokes		A/C Land		Good	Bad	Sent
Out:	22:13	T/O:	22:21	FD(s):	Ditoe				0	1	0
Total:	5.9	Total:	5.7	SSA:	Richards, T.	Visitors:	ASOS Land		Storm Number ID:		
Sponsoring Org:	NWS			SEB:	AVAPS:	Keller / Hunsinger	Suhr (NCAR)	(ie: AL072012)		AL042024	
Program:	PRX				MX:			TCPOD/WSPOD Mission		NOAA2 0604A DEBBY	
Purpose:	TS DEBBY TDR						OBSERVATIONS				
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP
VOLCANIC ASH					X	#1 engine indication issue - take off delayed		1	11	00:22Z	988 mb
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:	1 Cat 1 Penny		
						*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:	20240804H2
Flight Director(s):	Kalen
Mission:	Tasked/Operational
UWZ.d mean:	0.23

Pressure Comparison		
	Pre-flight	Post-flight
Aircraft	1005.0	1005.5
Airfield	1004.8	1004.8

This form uses:	
_A.nc	

SFMR Serial Unit	3
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Parameters	Raw				Derived, Corrected & Reference		
<input checked="" type="checkbox"/> Acceleration	<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"/> Location	<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 Sensors	<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 x PTM.1	<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 inop PitchI.3	<input checked="" type="checkbox"/> PitchRatel.1 <input checked="" type="checkbox"/> PitchRatel.2 inop PitchRatel.3	<input checked="" type="checkbox"/> RollI.1 <input checked="" type="checkbox"/> RollI.2 inop RollI.3	<input checked="" type="checkbox"/> RollRatel.1 <input checked="" type="checkbox"/> RollRatel.2 inop RollRatel.3	<input checked="" type="checkbox"/> PITCHref <input checked="" type="checkbox"/> ROLLref		
<input checked="" type="checkbox"/> Temperature, Dewpoint, Radiometers	<input checked="" type="checkbox"/> TTM.1 <input checked="" type="checkbox"/> TTM.2 inop TTM.3	<input checked="" type="checkbox"/> TDM.1 <input checked="" type="checkbox"/> TDM.2 inop TDM.3	<input checked="" type="checkbox"/> TRadD.1 <input checked="" type="checkbox"/> TRadS.1 inop TRadU.1			<input checked="" type="checkbox"/> TD.c <input checked="" type="checkbox"/> TDMref <input checked="" type="checkbox"/> HUM	<input checked="" type="checkbox"/> TTMref <input checked="" type="checkbox"/> TA.d
<input checked="" type="checkbox"/> Wind and Pressure <input checked="" type="checkbox"/> SFMR	SFMR	<input checked="" type="checkbox"/> CH 1 TB <input checked="" type="checkbox"/> CH 2 TB <input checked="" type="checkbox"/> CH 3 TB	<input checked="" type="checkbox"/> CH 4 TB <input checked="" type="checkbox"/> CH 5 TB <input checked="" type="checkbox"/> CH 6 TB			<input checked="" type="checkbox"/> UWZ.d <input checked="" type="checkbox"/> PSURF <input checked="" type="checkbox"/> WS SFMR	<input checked="" type="checkbox"/> WS.d <input checked="" type="checkbox"/> WD.d <input checked="" type="checkbox"/> RAIN RATE SFMR

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

QC Key:	
Valid	<input checked="" type="checkbox"/>
Errors (see NOTES)	x
Sensor Inoperative	inop

NOTES:

I.3 for Pitch and Roll, TTM.3, and TDM.3 not operational.

TRadU.1 has erroneous data throughout the flight and should not be used.

PDALPHAref, PDBETAref, PQALPHAref, PQBETAref, and DPI_WSZ are not provided since _AC file is not produced; all other "C" file parameters checked are from the _A file.

Data system restart. B file houses mission profile data

ATC deconfliction 0155z-0200z - climbed to FL130

PTM.1 unrepresentative for duration of flight

PQM.1 large spike at 2314z

SfmrTB's show high KELVIN while over the FL penn; this effects sfmr wind speeds

AVAPS Drop Log

Project: HX 2024

Mission: Debbay

Flight ID: 20240904H2

Take Off: _____

Landing: _____

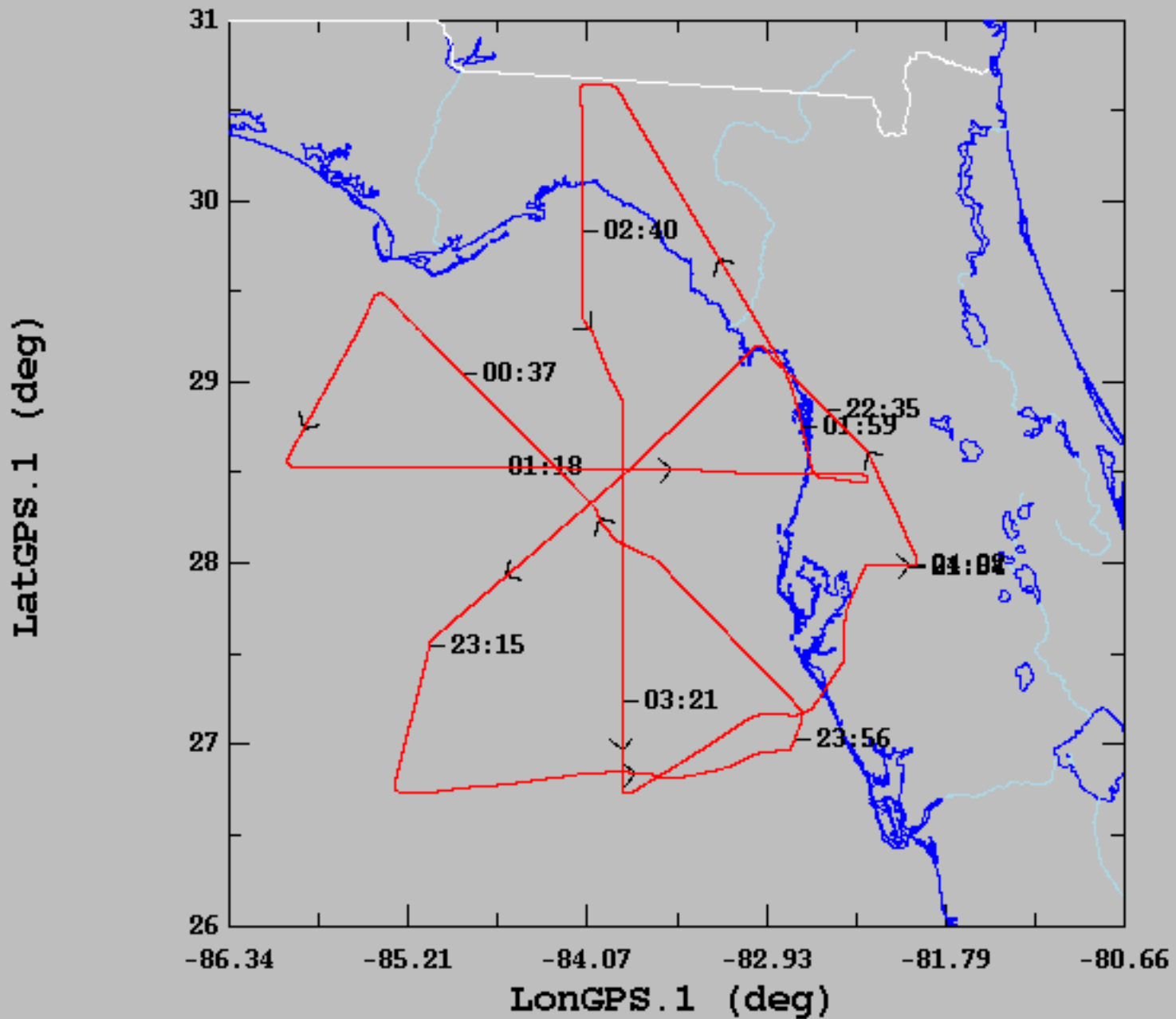
Flt Dir: Keilen

Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	230357465	1	-0.3	22:45	RK	NWS	IP1 NE	✓
2	233630607	2	-0.0	2254	RK	NWS	Mid point	✓
3	233924639	3	-0.1	2300	RK	NWS	Mid center	✓
4	233350132	4	-0.4	2313	RK	NWS	Mid point	✓
5	233560367	5	-0.1	2326	RK	NWS	EP1	✓
6	233630626	6	0	2356	RK		IP2	✓
7	233460096	1	-0.8	0006	RK		Midpoint	✓
8	233630608	2	0	0022	RK		Center	✓
9	233460107	3	-0.8	0026	RK		RMW	✓
10	233630602	4	-1.0	0033	RK		Midpoint	✓
11	233220918	5	-0.6	0046	RK		EP2	✓
12	233710364	6	-0.8	01:01	JH		IP3	✓
13	233220962	7	-1.5	0114	JH		MP3	✓
14	233410956	8	-1.0	0125	JH		RMW -lost sig	✓
15	233641247	1	-0.7	0141	JH	NWS	MP3	✓
16	233641238	2	-0.7	0240	JH	NWS	MP4	✓
17	233640238	3	-0.6	0252	JH	GOMO	Combo	✓
18	232240089	4	-1.2	0302	JH	NWS	CP	✓
19	233350130	5	-0.9	0306	JH	NWS	RMW	✓
20	233220998	6	0	0316	JH	NWS	MP4	✓
21	233641231	1	0	0328	JH	NWS	EP4	
22	233641255	2	-0.6					
23								
24								
25								
26								
27								
28								
29								
30								
31								

23 Burned and Ready

08/04/2024, 21:54:07-28:02:35



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	28.31	0.94	26.73	30.64
— LongGPS.1 (deg), 1 s/sec	-83.70	1.03	-85.97	-81.97