



AXCTDs	0	0	0
UAS	0	0	0

Flight Director: KALEN / TIMMERS  
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:	20240803H1	FLT #:		AC:	Abitbol	Scientists:	Pressure		Dropsondes			
From:	KLAL	ETD:	1900L / 2300Z	CP(s):	Wood	Marks (HRD)	A/C Takeoff		Good	Bad	Sent	
To:	KLAL	ETA:	0000L / 0400Z		Reeves	Ledbetter (HRD)			14	0	14	
Block Time		Flight Time		NAV:	Utama / Dunford		ASOS Takeoff		BTs			
In:	3:00	Land:	2:53	FE(s):	Stokes		A/C Land		Good	Bad	Sent	
Out:	22:36	T/O:	22:45		FD(s):	Ditoe				-	-	-
Total:	4.4	Total:	4.1	SSA:	Richards, T.	Visitors:	ASOS Land		AL042024			
Sponsoring Org:		NWS		AVAPS:	Keller / Hunsinger	Santana (Media)	Storm Number ID: (ie: AL072012)					
Program:		PRX		SEB:			TCPOD/WSPOD Mission (ie: NOAA2 2418A SANDY)		NOAA2 0304A DEBBY			
Purpose:		TS DEBBY TDR			MX:							
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP		
VOLCANIC ASH					X	Plane Swap - N43 fuel leak issue - delayed take off	1					
SCIENCE MISSION WITHIN BDRY LAYER					X							
LACK OF PRECIPITATION					X							
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:					
							*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:	20240803H1
Flight Director(s):	Kalen / Timmers
Mission:	Tasked/Operational
UWZ.d mean:	0.25

Pressure Comparison		
	Pre-flight	Post-flight
Aircraft	1008.9	1008.9
Airfield	1008.9	1008.8

This form uses:	
_A.nc	

SFMR Serial Unit	3
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Parameters	Raw				Derived, Corrected & Reference	
✓ Acceleration	✓ 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	
✓ Location	✓ 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 Sensors	✓ PDALPHA.1 ✓ PDALPHA.2 ✓ PDBETA.1 ✓ PDBETA.2	✓ PQALPHA.1 ✓ PQBETA.1	✓ PQM.1 ✓ PQM.2 ✓ PQM.3 ✓ PQM.4	✓ PSM.1 ✓ PSM.2 x PTM.1	✓ PQMref ✓ PQ.c ✓ PSMref ✓ PS.c	
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1	✓ IasADDU.1		✓ IAS.d ✓ TAS.d	
✓ Pitch / Roll	✓ PitchI.1 ✓ PitchI.2 inop PitchI.3	✓ PitchRateI.1 ✓ PitchRateI.2 inop PitchRateI.3	✓ RollI.1 ✓ RollI.2 inop RollI.3	✓ RollRateI.1 ✓ RollRateI.2 inop RollRateI.3	✓ PITCHref ✓ ROLLref	
✓ Temperature, Dewpoint, Radiometers	✓ TTM.1 ✓ TTM.2 inop TTM.3	✓ TDM.1 ✓ TDM.2 inop TDM.3	✓ TRadD.1 ✓ TRadS.1 inop TRadU.1		✓ TD.c ✓ TDMref ✓ HUM	✓ TTMref ✓ TA.d
✓ Wind and Pressure ✓ SFMR		✓ CH 1 TB ✓ CH 2 TB ✓ CH 3 TB	✓ CH 4 TB ✓ CH 5 TB ✓ CH 6 TB		✓ UWZ.d ✓ PSURF x WS SFMR	✓ WS.d ✓ WD.d ✓ RAIN RATE SFMR

FLID_Mission_Documents.pdf:
✓ Error Summary
✓ Crew Manifest
✓ QC Checklist
✓ Dropwindsonde Log(s) - AVAPS and FD, if completed
✓ Flight Track

QC Key:	
Valid	✓
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 DPJ\_WSZ are not provided since \_AC file is not produced; all other "C" file parameters checked are from the \_A file.  
 PTM.1 unrepresentative for duration of flight  
 SFMR winds suspect due to strength of storm

AOC GPS Dropwindsonde Log (updated Mar 2019)

Flight ID: 20230803HI

ASPEN Operator/Flight Director(s): TIMMERS/KALEN

Mission ID: NOAA3 0304A DEBBY

Storm Name/Track: TS DEBBY

PG 1 of 1

Sonde #	Ob #	Launch Time HHMMSS (Z)	Sonde ID (min last 5)	Ch # used	Lat (°N)	Lon (°E)	Prominent Wx Cond.	SFC Prs (mb)	Comments / Issues / QC / ASPEN Edits	KWBC #	Sonde Issues?
1	1	2325 58	40199	1	25.7	-83.3	BKN	1007.9	IP1 075/23	2337	✓✓
2	2	2338 27	20912	2	24.8	-83.3	OVCST	1006.1	MP 125/16	2350	✓✓
3	3	2350 28	60070	3	24.0	-83.3	OVCST	1004.7	— 080/23	0000	✓✓
4	4	0059 10	20183	4	23.4	-83.3	OVCST	1005.1	EP1 200/15	0007	✓✓
5	5	0029 46	50529	5	24.1	-81.6	OVCST	1009.0	IP2 150/36	0039	✓✓
6	6	0034 02	31475	6	24.2	-82.5	—	1007.0	MP 170/22	0043	✓✓
7	7	0048 21	10945	1	24.1	-83.4	—	1006.0	— 070/21	0057	✓✓
8	8	0100 33	20245	2	24.1	-84.4	—	1006.8	MP 015/14	0108	✓✓
9	9	0112 52	20889	3	24.1	-85.3	—	1008.2	EP2 020/14	0127	✓✓
10	10	0127 36	40910	4	23.1	-84.9	—	1007.7	IP3 320/11	0134	✓✓
11	11	0139 19	10949	1	23.7	-84.3	—	1005.3	MP 320/08	0148	✓✓
12	12	0152 04	50165	2	24.3	-83.6	—	1006.1	— 055/17	0203	✓✓
13	13	0205 01	40983	3	25.0	-82.9	—	1007.3	MP 140/19	0213	✓✓
14	14	0217 06	20241	4	25.6	-82.2	—	1008.4	EP3 130/34	0224	✓✓
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COMMENTS: ASPEN Operator will ensure this form is delivered to the AOC Flight Director to be archived

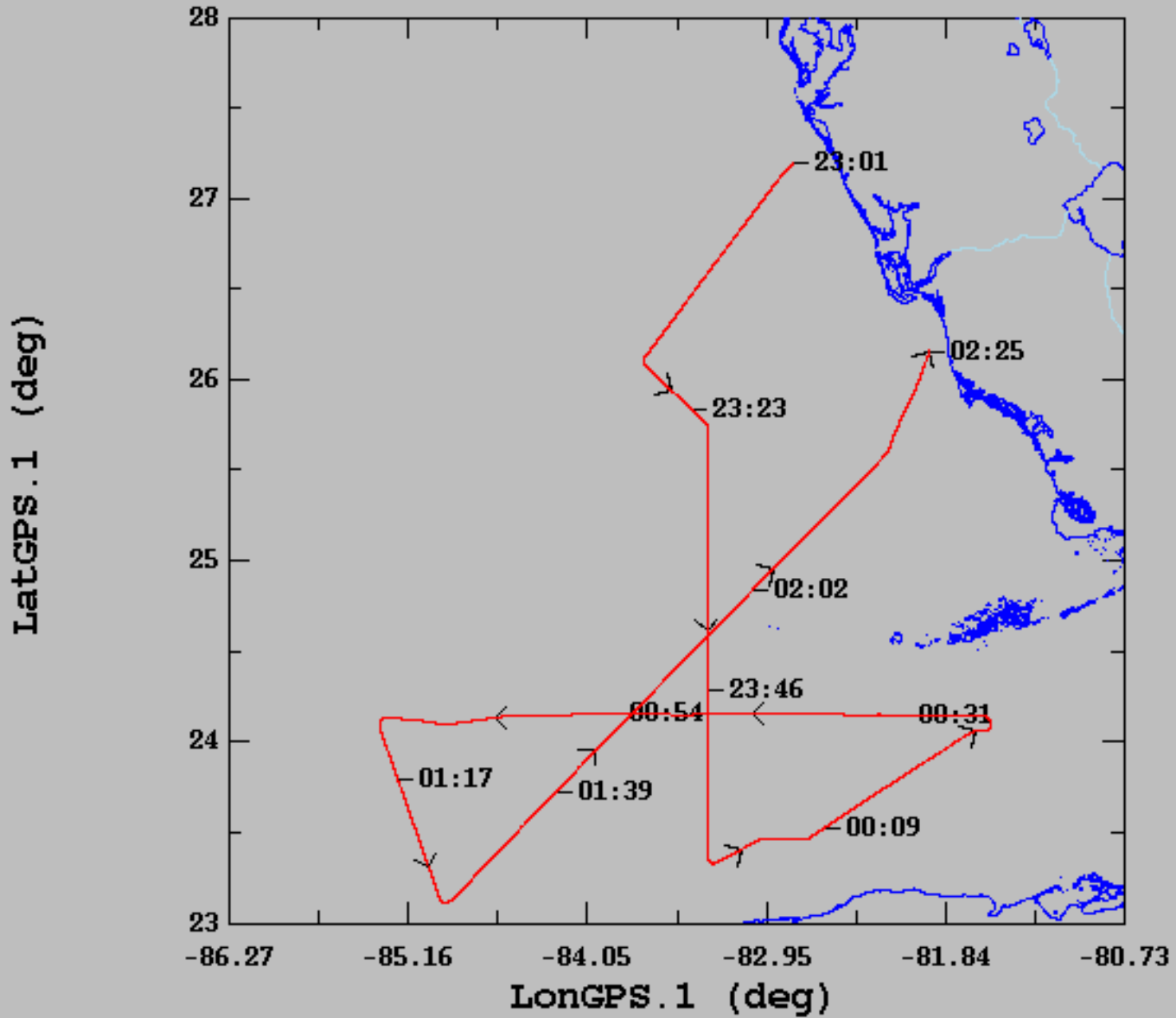
14 Obs Missed

0 Obs Missed

14 # of sondes launched

0 # of bad sondes

08/03/2024, 23:01:04-26:25:17



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	24.50	0.97	23.11	27.19
— LonGPS.1 (deg), 1 s/sec	-83.38	0.94	-85.33	-81.55