

Flight Director: KALEN / PARRISH
Phone #: 863-500-3962

ACAT-4 Version = 7.4

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N43RF Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	2023082811	FLT #:		AC:	COPARE	Scientists:	Pressure		Dropsondes		
From:	KFLL	ETD:	1000Z	CP(s):	WOOD	HAZELTON	A/C Takeoff		Good	Bad	Sent
To:	KFLL	ETA:	1800Z		PALMER	X. ZHANG			17	2	17
Block Time		Flight Time		NAV:	MILLER/SCHAEFER	ASOS Takeoff		BTs			
In:	16:41	Land:	16:32	FE(s):	DARBY			A/C Land		Good	Bad
Out:	9:59	T/O:	10:03	FD(s):	KALEN	ASOS Land				4	0
Total:	6.7	Total:	6.5	SSA:	RICHARDS			Visitors:			
Sponsoring Org:		EMC		SEB:		Storm Number ID:		AL102023			
Program:		PRX					(ie: AL072012)				
Purpose:		HX IDALIA TDR		MX:		TCPOD/WSPOD Mission		0610A IDALIA			
						(ie: NOAA2 2418A SANDY)					
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X		1				
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:				

*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:	2023082811
Flight Director(s):	KALEN / PARRISH
Mission:	Tasked/Operational
UWZ.d mean:	-0.08

Pressure Comparison		
	T/O	Land
Aircraft	1009.8	-
Tower	1007.4	-

	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	x PDLAPHaref x PDBETAref x PQALPHaref x PQBETAref	✓ PQMref ✓ PQ.c ✓ PSMref ✓ PS.c
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1	✓ lasADDU.1		✓ IAS.d	✓ TAS.d
✓ Pitch / Roll	✓ PitchI.1 ✓ PitchI.2 x PitchI.3	✓ PitchRateI.1 ✓ PitchRateI.2 x PitchRateI.3	✓ RollI.1 ✓ RollI.2 x RollI.3	✓ RollRateI.1 ✓ RollRateI.2 x RollRateI.3	✓ PITCHref ✓ ROLLref	
✓ Temp / Dewpt	✓ TTM.1 ✓ TTM.2 x TTM.3	✓ TDM.1 x TDM.2 x TDM.3	✓ TRadD.1 ✓ TRadS.1 x TRadU.1		✓ TD.c ✓ TDMref	✓ TTMref ✓ TA.d
✓ Misc. (Must check)					✓ UWZ.d x DPJ_WSZ x HUM	✓ WS.d ✓ WD.d

FLID_Mission_Documents.pdf:
<ul style="list-style-type: none"> ✓ 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:
<p>I.3 for Pitch and Roll is not operational.</p> <p>TRadU.1 has erroneous data throughout the flight and should not be used.</p> <p>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.</p> <p>TTM.3 and TDM.3 inop</p> <p>TDM.2 unrepresentative for majority of flight</p> <p>PQM.1 trending ~5 mb high</p>

AVAPS Drop Log

Project: T.S. IDALIA

Mission: _____

Flight ID: 20230828E1

Take Off: _____

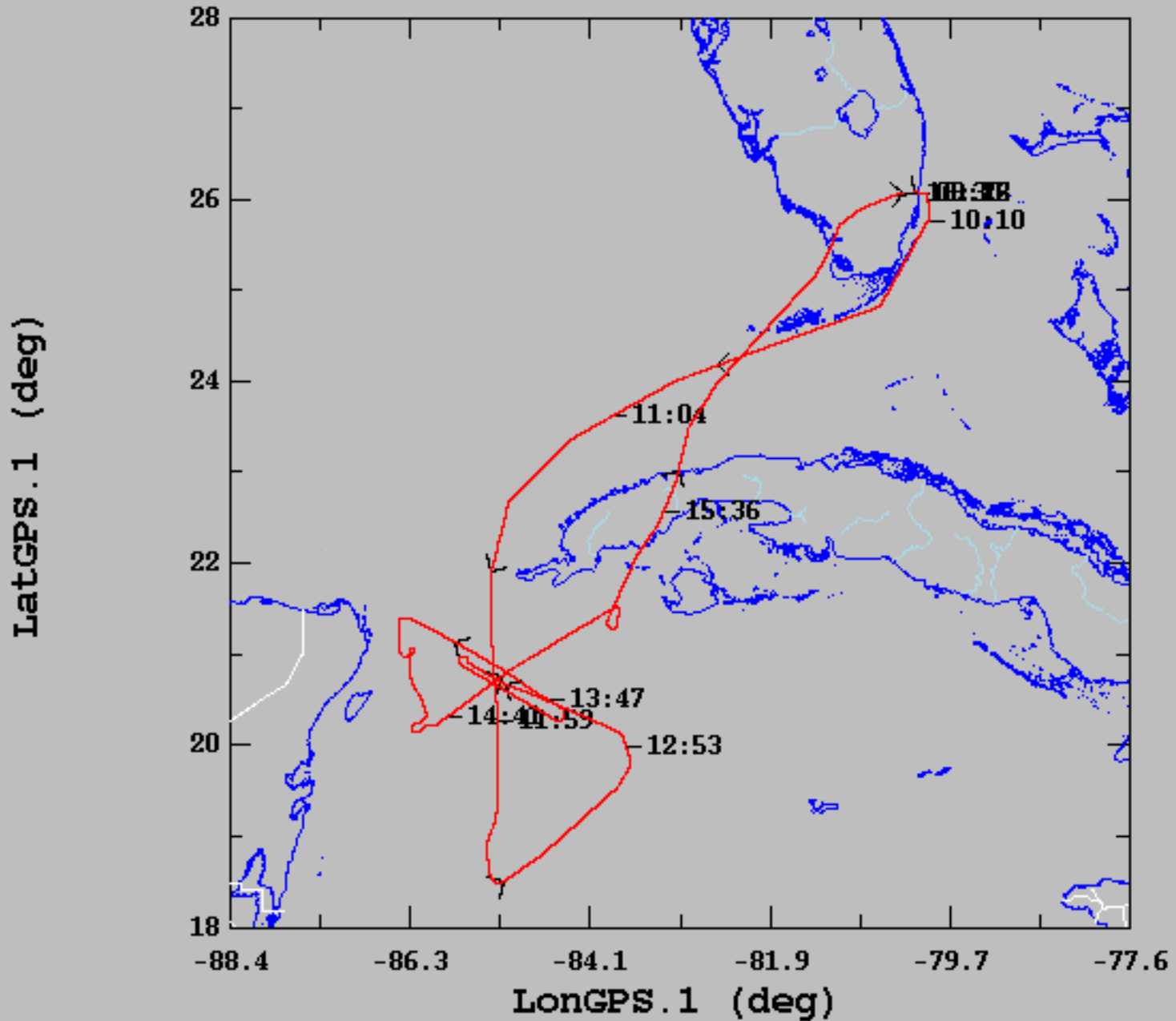
Landing: _____

Flt Dir: Q

Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	222020258	1	-0.6	1134	HK	Nws	IP I combo	✓
2	222010070	2	-0.5	1148	HK	Nws	MP I	✓
3	221220333	3	-0.4	1157	HK	Nws	CTR combo	✓
4	221240637	4	-0.4	1209	HK	Nws	MP p. 1 data	✗ BAD
5	221340047	5	-0.9	1221	HK	Nws	combo EP	✓
6	222010117	1	-0.5	1251	HK	Nws	IP 2	✓
7	222010137	2	-0.6	1303	HK	Nws	MP	✓
8	204420121	3	-1.4	1312	HK	ONR	RMW	✓
9	221950590	4	-0.6	1316	HK	Nws	Center	✓
10	222010098	5	-0.6	1351	HK	ONR	RMW	✓
11	222010125	1	-1.0	1403	HK	Nws	MP	✓
12	222021170	2	-0.7	1436	HK	Nws	No WS / WD	✗
13	222020984	3	-0.7	1438	HK	Nws	Backup for 12	✓
14	221220353	4	-0.5	1446	HK	Nws	late winds	✓
15	222010119	5	-0.8	1447	HK	Nws	Backup	✓
16	222021297	1	-0.7	1452	HK	Nws	CTR	
17	222030367	2	-0.7	1455	HK	ONR	RMW	✓
18	222010062	3	-0.6	1502	HK	Nws	MP	✓
19	222020257	4	-0.7	1513	HK	Nws	combo	✓
20	2212307717	5	-0.7					
21	221540690	1	-0.5					
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

08/28/2023, 08:22:15-16:30:14



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	22.80	2.47	18.48	26.08
— LongGPS.1 (deg), 1 s/sec	-83.17	2.17	-86.39	-79.97