

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	2024080211	FLT #:		AC:	Abitbol	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1030L / 1430Z	CP(s):	Wood		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	1830L / 2230Z		Reeves				17	0	17
Block Time		Flight Time		NAV:	Utama / Dunford		ASOS Takeoff		BTs		
In:	22:29	Land:	22:23	FE(s):	Stokes				Good	Bad	Sent
Out:	15:33	T/O:	15:45	FD(s):	Dittoe		A/C Land		-	-	-
Total:	6.9	Total:	6.6		SSA:				Richards, T.	ASOS Land	
Sponsoring Org:		NHC		AVAPS:	Keller	Storm Number ID:		AL042024			
Program:		PRX		SEB:	Hunsinger	(ie: AL072012)					
Purpose:		PTC04 SURVEY			MX:		TCPOD/WSP0D Mission		NOAA3 0104A SURVEY		
						(ie: NOAA2 2418A SANDY)					
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP
VOLCANIC ASH					X	#4 Engine boost pump issue - 1.5 hr delay		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:	2024080211
Flight Director(s):	Kalen / Timmers
Mission:	Tasked/Operational
UWZ.d mean:	0.13

Pressure Comparison		
	Pre-flight	Post-flight
Aircraft	1014.3	1011.0
Airfield	1014.7	1011.6

This form uses:	
_C.nc	

SFMR Serial Unit	1
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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 <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> PitchI.3 <input checked="" type="checkbox"/> PitchRatI.1 <input checked="" type="checkbox"/> PitchRatI.2 <input checked="" type="checkbox"/> PitchRatI.3	<input checked="" type="checkbox"/> PitchRatI.1 <input checked="" type="checkbox"/> PitchRatI.2 <input checked="" type="checkbox"/> PitchRatI.3	<input checked="" type="checkbox"/> RollI.1 <input checked="" type="checkbox"/> RollI.2 <input checked="" type="checkbox"/> RollI.3	<input checked="" type="checkbox"/> RollRatI.1 <input checked="" type="checkbox"/> RollRatI.2 <input checked="" type="checkbox"/> RollRatI.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 <input checked="" type="checkbox"/> TTM.3	<input checked="" type="checkbox"/> TDM.1 <input checked="" type="checkbox"/> TDM.2 <input checked="" type="checkbox"/> TDM.3	<input checked="" type="checkbox"/> TRadD.1 <input checked="" type="checkbox"/> TRadS.1 <input checked="" type="checkbox"/> 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)	<input checked="" type="checkbox"/>
Sensor Inoperative	<input checked="" type="checkbox"/>

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 _CC file is not produced; all other "C" file parameters checked are from the _C file.

3 Data system restarts. _A file reflects a restart on the ground, _B file reflects 80% of the transit. _C file houses mission profile data.

All GPS.3 and .4 parameters end early but contain mission profile data

PQM.1 trends ~10 mb high

SFMR data suspect due to low intensity of storm.

AOC GPS Dropwindsonde Log (updated Mar 2019)

Flight ID: 20240802I1

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

Mission ID: NOAA3 0104A SURVEY

Storm Name/Track: INVEST 97L (AL042024)

PG 1 of 1

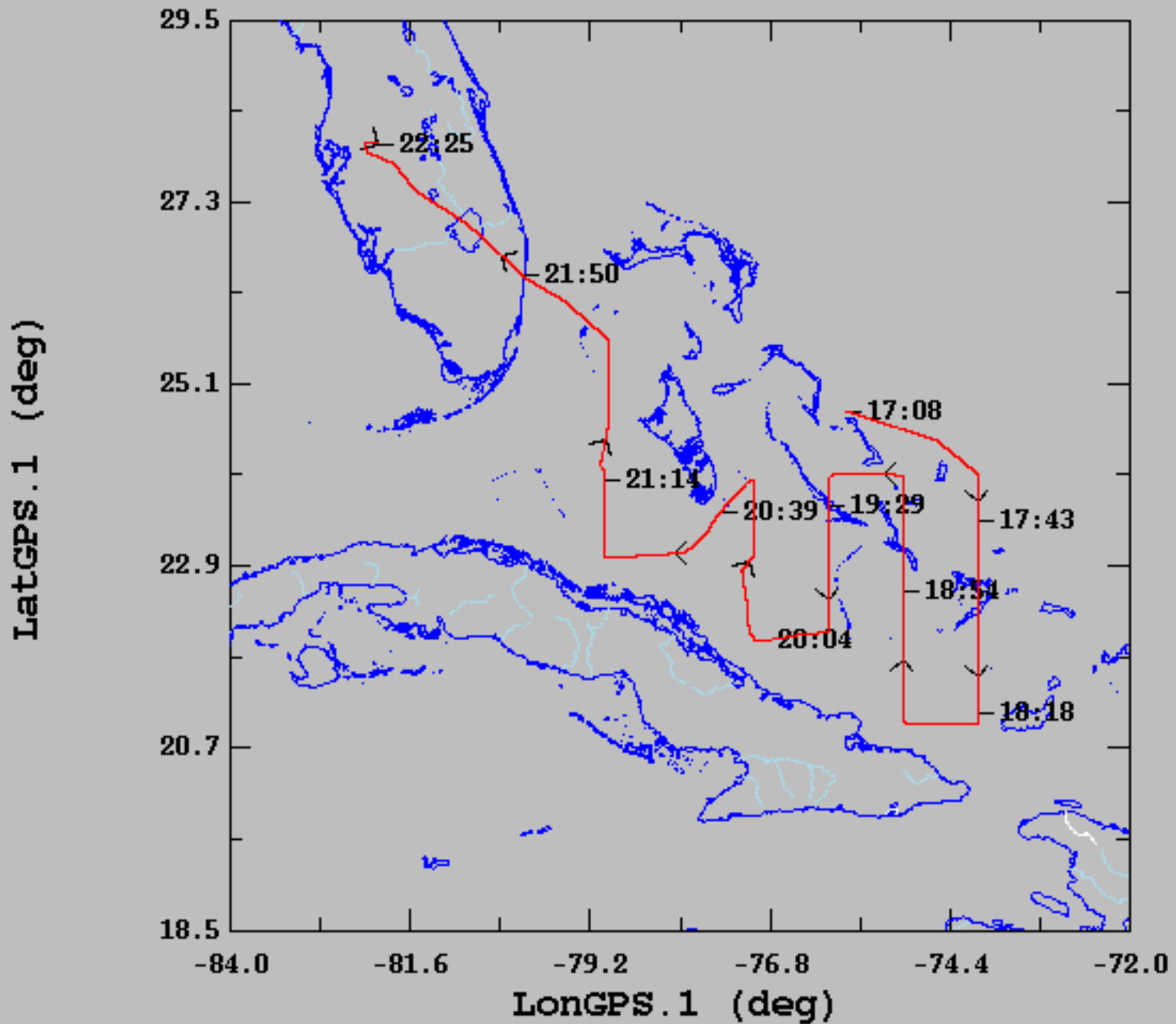
Sonde #	Ob #	Launch Time HHMMSS (Z)	Sonde ID (min last 5)	Ch # used	Lat (°N)	Lon (°E)	Prominent Wx Cond.	SFC Prs (mb)	Comments / Issues / QC / ASPEN Edits	KWBC #	Sonde Issues?
1	1	1735 24	50039	1	24.0	-74.0	BKN	1016.4	105/26	1823	✓✓
2	2	1750 06	30327	2	23.0	-74.0	OVCST	1015.2	170/34	1848	✓✓
3	3	1805 18	70567	3	22.0	-74.0	OVCST	1015.1	115/19	1857	✓✓
4	4	1820 47	41324	4	21.0	-74.0	OVCST	1014.6	160/13	1904	✓✓
5	5	1833 40	50517	1	21.0	-75.0	OVCST	1013.9	125/16	1915	✓✓
6	6	1846 19	41092	2	22.0	-75.0	OVCST	1014.8	115/23	1920	✓✓
7	7	1857 49	20182	3	22.9	-75.0	OVCST	1015.6	110/24	1924	✓✓
8	8	1912 16	50502	4	24.0	-75.0	OVCST	1016.2	140/25	1928	✓✓
9	9	1923 58	40215	1	24.0	-76.0	OVCST	1015.3	110/28	1936	✓✓
10	10	1938 58	40947	2	23.0	-76.0	OVCST	1014.3	115/22	1946	✓✓
11	11	1951 42	40190	3	22.2	-76.0	OVCST	1012.3	125/23	2001	✓✓
12	12	2005 12	31431	4	22.0	-77.0	OVCST	1012.0	145/21	2020	✓✓
13	13	2019 43	30625	1	23.0	-77.0	OVCST	1012.8	125/25	2028	✓✓
14	14	2032 04	50549	2	23.9	-77.0	OVCST	1013.2	100/24	2050	✓✓
15	15	2050 00	41306	3	23.1	-78.0	OVCST	1011.9	110/24	2057	✓✓
16	16	2101 25	20963	4	23.0	-79.0	OVCST	1011.2	070/17	2109	✓✓
17	17	2116 04	61004	1	24.0	-79.0	OVCST	1012.1	085/24	2123	✓✓
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} RDA1
 MIN

COMMENTS: ASPEN Operator will ensure this form is delivered to the AOC Flight Director to be archived

17 Obs
 Xmitted
 0 Obs
 Missed
 17 # of sondes
 launched
 0 # of bad
 sondes

08/02/2024, 17:08:17-22:25:26



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	23.69	1.76	21.00	27.99
— LongGPS.1 (deg), 1 s/sec	-76.78	2.37	-82.20	-74.00