

ACAT-4 Version = 7.3

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N49RF Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20201110N1	FLT #:		AC:	Waddington	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	0530z	CP(s):	Norman		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	1330z								
Block Time		Flight Time		NAV:			ASOS Takeoff		34	3	34
In:	1342	Land:	1337	FE(s):					BTs		
Out:	0534	T/O:	0544	FD(s):	Henning		A/C Land		Good	Bad	Sent
Total:	8.1	Total:	7.9	SSA:	Defeo	Visitors:	ASOS Land				
				AVAPS:	Underwood						
Sponsoring Org:	NHC			SEB:			Storm Number ID:		AL292020		
Program:	PHS						(ie: AL072012)				
Purpose:	TS ETA						TCPOD/WSPOD Mission		NOAA9 1729A ETA		
						(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							2				
LACK OF PRECIPITATION							3				
RELATIVE HUMIDITY ≥ 80%							4				
LONG FETCH / DURATION OF SFC WND											
SEA SALT ACCRETION FORECAST											
SEA SALT ACCRETION OBSERVED											
							Pennies:				

*Highlighted items must be completed before departure.

Remarks:

G-IV QC Checklist

Flight ID:	20201110N1
Flight Director(s)	Henning / Kalen
UWZ.d mean:	0.11

Pressure Comparison		
	T/O	Land
Aircraft	1007.2	1007.7
Tower	1006.9	1006.9

	Raw 1Hz Mean File Parameters					C File Parameters	
<input checked="" type="checkbox"/> Accelerometer	<input checked="" type="checkbox"/> AccAXI.1	<input checked="" type="checkbox"/> AccAYI.1	<input checked="" type="checkbox"/> AccAZI.1			<input checked="" type="checkbox"/> AccZref	
	<input checked="" type="checkbox"/> AccAXI.2	<input checked="" type="checkbox"/> AccAYI.2	<input checked="" type="checkbox"/> AccAZI.2				
	<input checked="" type="checkbox"/> AccAXI.3	<input checked="" type="checkbox"/> AccAYI.3	<input checked="" type="checkbox"/> AccAZI.3				
<input checked="" type="checkbox"/> Altitude	<input checked="" type="checkbox"/> AltGPS.1	<input checked="" type="checkbox"/> AltI.1	<input checked="" type="checkbox"/> AltPaADDU.1	<input checked="" type="checkbox"/> AltBCADDU.1		<input checked="" type="checkbox"/> ALTref	
	<input checked="" type="checkbox"/> AltGPS.2	<input checked="" type="checkbox"/> AltI.2	<input checked="" type="checkbox"/> AltPaADDU.2	<input checked="" type="checkbox"/> AltBCADDU.2		<input checked="" type="checkbox"/> ALTPA.d	
	<input checked="" type="checkbox"/> AltGPS.3	<input checked="" type="checkbox"/> AltI.3	<input checked="" type="checkbox"/> AltRA.1			<input checked="" type="checkbox"/> ALTGA.d	
<input checked="" type="checkbox"/> Ground Speed	<input checked="" type="checkbox"/> GsXI.1	<input checked="" type="checkbox"/> GsYI.1	<input checked="" type="checkbox"/> GsZI.1	<input checked="" type="checkbox"/> GsGPS.1		<input checked="" type="checkbox"/> GSXref	
	<input checked="" type="checkbox"/> GsXI.2	<input checked="" type="checkbox"/> GsYI.2	<input checked="" type="checkbox"/> GsZI.2	<input checked="" type="checkbox"/> GsGPS.2		<input checked="" type="checkbox"/> GSYref	
	<input checked="" type="checkbox"/> GsXI.3	<input checked="" type="checkbox"/> GsYI.3	<input checked="" type="checkbox"/> GsZI.3	<input type="checkbox"/> GsGPS.3		<input checked="" type="checkbox"/> GSZref	
	<input checked="" type="checkbox"/> GsXGPS.1	<input checked="" type="checkbox"/> GsYGPS.1	<input checked="" type="checkbox"/> GsZGPS.1				
	<input checked="" type="checkbox"/> GsXGPS.2	<input checked="" type="checkbox"/> GsYGPS.2	<input checked="" type="checkbox"/> GsZGPS.2				
	<input type="checkbox"/> GsXGPS.3	<input type="checkbox"/> GsYGPS.3	<input type="checkbox"/> GsZGPS.3				
<input checked="" type="checkbox"/> Lat / Lon	<input checked="" type="checkbox"/> LatGPS.1	<input checked="" type="checkbox"/> LatI.1	<input checked="" type="checkbox"/> LonGPS.1	<input checked="" type="checkbox"/> LonI.1		<input checked="" type="checkbox"/> LATref	
	<input checked="" type="checkbox"/> LatGPS.2	<input checked="" type="checkbox"/> LatI.2	<input checked="" type="checkbox"/> LonGPS.2	<input checked="" type="checkbox"/> LonI.2		<input checked="" type="checkbox"/> LONref	
	<input checked="" type="checkbox"/> LatGPS.3		<input checked="" type="checkbox"/> LonGPS.3				
<input checked="" type="checkbox"/> Pressure	<input checked="" type="checkbox"/> PDALPHA.1	<input checked="" type="checkbox"/> PQALPHA.1	<input checked="" type="checkbox"/> PQM.1	<input checked="" type="checkbox"/> PSM.1		<input checked="" type="checkbox"/> PDLAPHaref	<input checked="" type="checkbox"/> PQMref
	<input checked="" type="checkbox"/> PDALPHA.2	<input checked="" type="checkbox"/> PQALPHA.2	<input checked="" type="checkbox"/> PQM.2	<input checked="" type="checkbox"/> PSM.2		<input checked="" type="checkbox"/> PDBETAref	<input checked="" type="checkbox"/> PQ.c
	<input checked="" type="checkbox"/> PDBETA.1	<input checked="" type="checkbox"/> PQBETA.1				<input checked="" type="checkbox"/> PQALPHaref	<input checked="" type="checkbox"/> PSMref
	<input checked="" type="checkbox"/> PDBETA.2	<input checked="" type="checkbox"/> PQBETA.2				<input checked="" type="checkbox"/> PQBETAref	<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"/> IAS.d	<input checked="" type="checkbox"/> TAS.d
<input checked="" type="checkbox"/> Pitch / Roll	<input checked="" type="checkbox"/> PitchI.1	<input checked="" type="checkbox"/> PitchRateI.1	<input checked="" type="checkbox"/> RollI.1	<input checked="" type="checkbox"/> RollRateI.1		<input checked="" type="checkbox"/> PITCHref	
	<input checked="" type="checkbox"/> PitchI.2	<input checked="" type="checkbox"/> PitchRateI.2	<input checked="" type="checkbox"/> RollI.2	<input checked="" type="checkbox"/> RollRateI.2		<input checked="" type="checkbox"/> ROLLref	
	<input checked="" type="checkbox"/> PitchI.3	<input checked="" type="checkbox"/> PitchRateI.3	<input checked="" type="checkbox"/> RollI.3	<input checked="" type="checkbox"/> RollRateI.3			
<input checked="" type="checkbox"/> Temp / Dewpt	<input checked="" type="checkbox"/> TTM.1	<input checked="" type="checkbox"/> TTM.4	<input checked="" type="checkbox"/> TDM.1			<input checked="" type="checkbox"/> TD.c	<input checked="" type="checkbox"/> TTMref
	<input type="checkbox"/> TTM.2		<input checked="" type="checkbox"/> TDM.2			<input checked="" type="checkbox"/> TDMref	<input checked="" type="checkbox"/> TA.d
	<input checked="" type="checkbox"/> TTM.3						
<input checked="" type="checkbox"/> Misc. (Must check)						<input checked="" type="checkbox"/> UWZ.d	<input checked="" type="checkbox"/> WS.d
						<input checked="" type="checkbox"/> DPJ_WSZ	<input checked="" type="checkbox"/> WD.d
						<input checked="" type="checkbox"/> HUM	

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 checked="" type="checkbox"/>

NOTES:
<p>TTM.3and TTM.4 have oscillations throughout the flight</p> <p>TDM.1 unrepresentative</p>

AOC GPS Dropwindsonde Log (updated Mar 2019)

Flight ID: 20201110NL

ASPEN Operator/Flight Director(s): Kaleu / Henning

Mission ID: 1729A

Storm Name/Track: Tropical Storm Eta

PG ___ of ___

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	060439	30860	1	26.27	-83.14		1006.8	08026	00633	N
2	2	062431	30592	2	26.44	-84.07		1010.6	04022	00647	N
3	3	063354	70428	3	26.39	-85.32		1009.1	07523	00702	N
4	4	064904	40089	4	26.70	-84.52		1006.8	07531	00708	N
5	5	065742	30533	1	26.59	-85.68		1006.3	07520	00719	N
6	6	070700	10484	2	26.18	-86.83		1005.5	07523	00729	N
7	7	072431	40327	3	27.95	-88.05		1009.3	06019	00744	N
8	8	073826	40080	4	27.89	-89.89		1009.7	06021	00800	N
9	9	075348	70467	1	26.09	-90.11		1008.2	02019	00814	N
10	10	080740	40091	2	26.12	-91.91		1009.5	03009	00826	N
11	11	082242	20458	3	27.90	-92.11		1010.9	07515	00848	N
12	12	083644	081004	4	27.89	-93.90		1010.2	12512	00904	N
13	13	085322	40087	1	25.98	-94.05		1009.3	06013	00913	N
14	14	090937	30629	2	24.08	-93.88		1009.6	02506	00928	N
15	15	092401	51095	3	24.00	-91.98		1008.8	35012	00955	N
16	16	093909	40086	4	24.00	-87.98		1006.1	35517	01001	N
17	—	—	70429	1	—	—	—	—	PTH	—	Y
18	17	095801	30593	2	24.73	-87.77		1008.6	03520	01017	N
19	18	100651	51098	3	23.67	-89.00		1001.8	0522	01026	N
20	—	—	70432	4	—	—	—	—	HLD	—	Y
21	19	101838	40919	1	22.32	-87.57		1002.8	32020	01038	N
22	20	102957	30591	2	21.59	-86.38		1000.2	26530	01055	N
23	21	104110	51094	3	21.15	-85.08		1002.5	22528	01105	N
24	22	105759	60856	4	22.65	-86.08		997.1	33525	01118	N
25	23	110702	40920	1	23.71	-86.47		1000.9	04019	01128	N
26	24	111440	10374	2	24.36	-85.77		1000.5	07519	01135	N
27	25	112051	10375	3	24.61	-84.98		1001.7	09526	01141	N
28	26	112603	30863	4	24.36	-84.35		1002.1	09526	01147	N
29	27	113317	70427	1	23.68	-83.80		1001.9	12023	01154	N
30	28	113837	40921	2	23.13	-83.82		1002.3	13025	01202	N
31	—	114905	10392	3	—	—	—	—	FAST FALL	—	Y
32	29	114957	40024	4	23.65	-82.38	Brkn	1005.8	13518	01212	N
33	30	115851	30994	1	24.67	-82.17	Brkn	1006.0	12014	01225	N
34	31	120944	30864	2	24.30	-80.77	Brkn	1008.0	13021	01229	N
35	32	122405	7042	3	24.40	-79.87	Sct	1010.4	12015	01252	N
36	33	124019	40051	4	26.31	-78.39	Sct	1011.1	11522	01300	N
37		125622	40023	1	28.21	-78.15	Brkn	1014.1	11022 / LAST REPORT	01316	N
38											

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

COMMENTS:

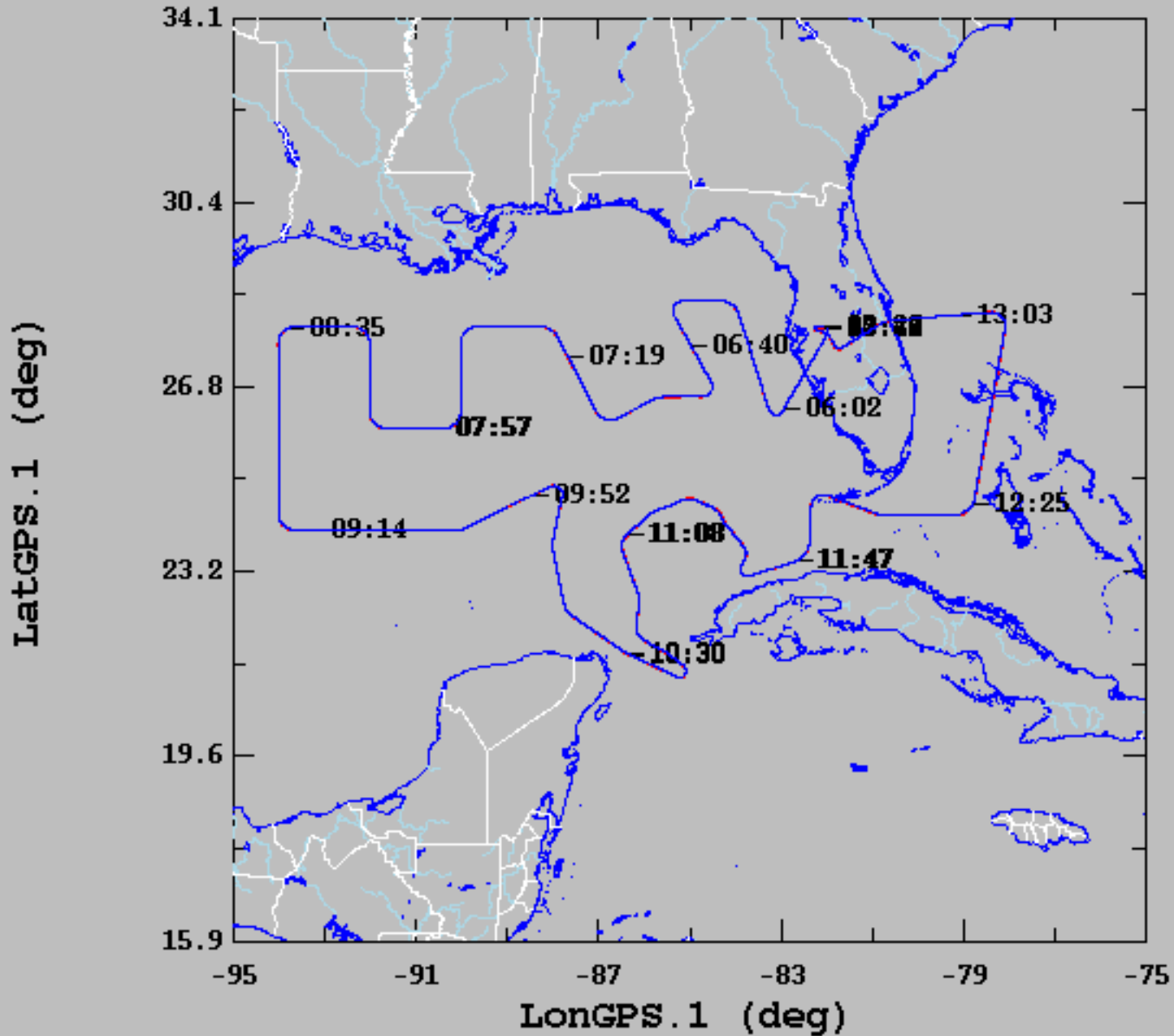
Obs Xmitted

Obs Missed

of sondes launched

of bad sondes

2020-11-10, 04:46:03-13:42:06



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	25.89	2.05	21.11	28.50
— LongGPS.1 (deg), 1 s/sec	-85.68	4.52	-94.00	-78.06
— LatI.1 (deg), 1 s/sec	25.89	2.05	21.09	28.50
— LonI.1 (deg), 1 s/sec	-85.68	4.52	-94.00	-78.05