

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:	20201026N2	FLT #:		AC:	Mansour	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1730Z	CP(s):	Nardi		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	0130Z							33	3
Block Time		Flight Time		NAV:			ASOS Takeoff		BTs		
In:	0108	Land:	0101	FE(s):			A/C Land		Good	Bad	Sent
Out:	1719	T/O:	1733	FD(s):	Parrish	Visitors:	ASOS Land				
Total:	7.8 0.0	Total:	7.5 0.0	SSA:	Defeo						
Sponsoring Org:	NHC			AVAPS:	Hartberger		Storm Number ID:		AL282020		
Program:	Surveillance			SEB:			(ie: AL072012)				
Purpose:	TS Zeta #1			MX:			TCPOD/WSPOD Mission		NOAA9 0828A ZETA		
							(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							Pennies:				
*Highlighted items must be completed before departure.											
Remarks:											

G-IV QC Checklist

Flight ID:	20201026N2
Flight Director(s)	Parrish / Kalen
UWZ.d mean:	0.18

Pressure Comparison		
	T/O	Land
Aircraft	1012.7	1012.8
Tower	1012.0	1012.0

	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 checked="" 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"/> LongGPS.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"/> LongGPS.2	<input checked="" type="checkbox"/> LonI.2		<input checked="" type="checkbox"/> LONref	
	<input checked="" type="checkbox"/> LatGPS.3		<input checked="" type="checkbox"/> LongGPS.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>PQBETA.1 unrepresentative</p> <p>TDM.1 trending about 15 deg C colder</p>

AOC GPS Dropwindsonde Log (updated Mar 2019)

Flight ID: 20201026N2

ASPEN Operator/Flight Director(s): Kalen / Parrisi

Mission ID: NOAAS G26A

Storm Name/Track: Tropical Storm Zeta

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	175922	70599	1	26.15	-84.08	Few	1014.7	08513	61819	N
2	2	181326	20271	2	26.50	-84.32	Few	1011.9	10516	61832	N
3	3	182214	20306	3	27.11	-85.14	Few	1011.9	09515	61842	N
4	4	183318	51060	4	25.98	-85.75	Few	1010.5	08015	61851	N
5	5	184354	40021	1	26.82	-86.67	Few	1012.2	08018	61904	N
6	6	185524	10481	2	28.16	-86.83	Few	1012.1	03517	61914	N
7	7	190627	50051	3	27.86	-88.13	SKT	1012.4	06016	61926	N
8	8	191702	70031	4	28.61	-89.12	Few	1013.7	06014	61937	N
9	9	192947	70600	1	27.28	-89.69	Few	1011.8	06018	61951	N
10	10	194211	10481	2	25.82	-89.72	Brkn	1010.8	06021	62009	N
11	11	195423	20302	3	24.79	-90.70	Undrest	1010.0	04519	62016	N
12	12	200634	20271	4	23.77	-91.68	Brkn	1008.8	03017	62025	N
13	13	202339	20288	1	21.91	-91.65	Tstorm Near	1007.9	02027	62043	N
14	14	203337	60253	2	22.80	-90.69	Brkn	1007.6	04515	62052	N
15	15	204413	40389	3	23.80	-89.69	Few	1008.3	08014	62104	N
16	16	205442	50052	4	24.81	-88.70	Sct	1009.5	07015	62114	N
17	17	210545	10093	1	26.10	-88.17	Few	1011.1	06517	62129	N
18	18	211459	20237	2	25.33	-87.29	Few	1010.0	07518	62134	N
19	19	213854	40360	3	22.82	-88.39	Clr	1007.3	08022 / FLW Bad	62200	N
20	20	214602	20224	4	23.05	-87.52	Sct	1007.5	No Sfc Wind	62208	Y
21	21	215605	40630	1	21.95	-87.61	CDO	1006.9	06019	62215	N
22	22	220513	20322	2	22.21	-86.52	CDO	1007.0	09524	62225	N
23	—	—	10177	3	—	—	—	—	Fast Fall	—	Y
24	23	221829	51034	4	21.06	-95.50	—	1005.8	11548	62238	N
25	24	222544	20234	1	20.29	-85.22	—	1005.1	13549	62246	N
26	25	223637	50239	2	19.07	-85.47	—	1003.8	16045	62300	N
27	26	224619	50054	5	18.15	-86.19	—	1003.3	21020 / FLW Bad	62308	N
28	27	225243	20303	3	17.51	-85.98	—	1006.1	20016 / FLW Bad	62313	N
29	—	230311	20259	1	—	—	—	—	NLD	—	Y
30	28	230508	20280	1	18.13	-84.68	—	1007.5	15026	62325	N
31	29	231427	51053	2	19.01	-84.00	—	1007.6	15025	62334	N
32	30	232537	20235	3	20.31	-83.70	—	1009.6	13024 / FLW Bad	62345	N
33	31	233538	20236	4	21.48	-83.97	—	1010.2	10528 / FLW BAD	70002	N
34	32	234817	20304	1	22.68	-84.91	Night	1010.2	11523 / FLW BAD	70010	N
35	—	—	20270	2	—	—	Night	—	NLD	—	Y
36	33	235921	20269	3	23.39	-85.92	Night	1009.4	07528 / LAST REPORT	70018	N
37											
38											

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

COMMENTS:

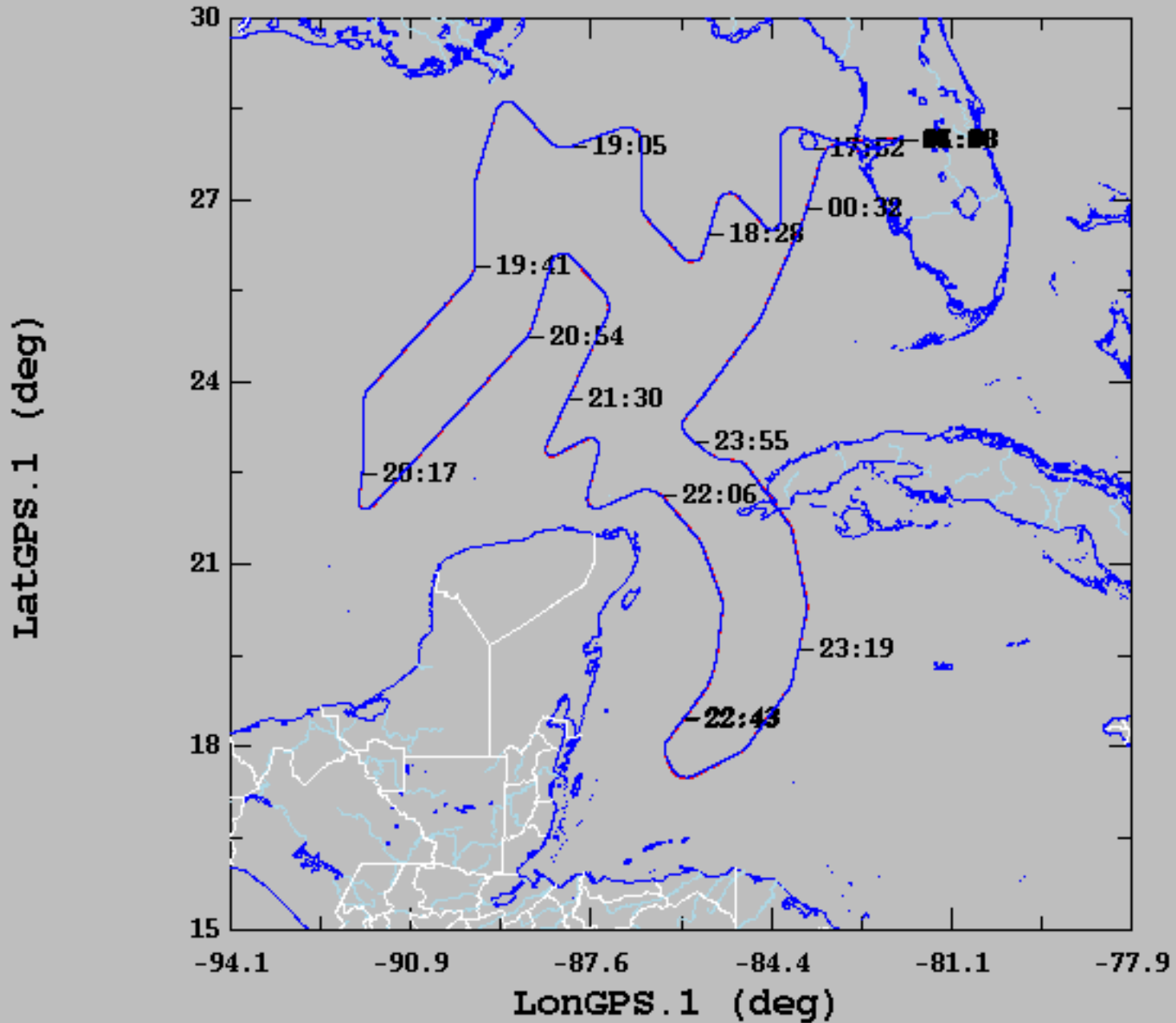
Obs Xmitted

Obs Missed

of sondes launched

of bad sondes

2020-10-26, 16:40:04-25:08:19



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	24.64	3.13	17.50	28.61
— LongGPS.1 (deg), 1 s/sec	-86.11	2.82	-91.80	-81.98
— LatI.1 (deg), 1 s/sec	24.63	3.13	17.48	28.61
— LonI.1 (deg), 1 s/sec	-86.13	2.81	-91.80	-81.98