

Flight Director: Morgan / Lundry
Phone #: 863-500-3898

ACAT-4 Version = 7.3

U.S. Dept. of Commerce / OMAO / NOAA / Aircraft Operations Center

FLT ID: 20190901W1	From: KIAL	To: KMSV
FLT #:	Blk In: 1359 Z	Lnd Time: 1353 Z
ETD: 0530 Z	Blk Out: 0519 Z	T/O Time: 0530 Z
ETE:	Total Blk: 8.7	Total Flt: 8.4
Sponsoring Org: NHC	Program: PHS?	Purpose: Surveillance

AOC Flight Crew

Aircraft Commander: Moyers	SSA:
Co-Pilot: Fritzier / Nardi	AVAPS: /
Navigator: /	Scientists:
Flight Eng: /	Scientists
Flt Director: MORGAN / LUNDY	Scientists
SEB: PAUL / MILLER / PATEL	Scientists:
Crew Chief:	Visitors: / /

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure				

AS REQUIRED BY ORM	YES	NO	REMARKS
VOLCANIC ASH			
SCIENCE MISSION WITHIN BOUNDARY LAYER			
LACK OF PRECIPITATION			
RELATIVE HUMIDITY AT OR ABOVE 80%			
LARGE AIR-SEA TEMPERATURE GRADIENT			
HIGH SURFACE WINDS			
LONG FETCH AND/OR DURATION OF SFC WIND			
SEA SALT ACCRETION FORECAST			
SEA SALT ACCRETION OBSERVED			

Drosondes	30	Good: 29	Bad: 1	Sent: 29
AXBT		Good:	Bad:	Sent:

List other data sources in Remarks section

Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	VDM Ob Num	Fix Time / SLP
Storm Number Identifier (VDM): (ie: AL072012)			
TCPOD/WSPOD Mission ID: NOAA92705A DORIAN (ie: NOAA2 2418A SANDY)			

Remarks:

G-IV QC Checklist

Flight ID:	20190901N1
Flight Director(s)	Morgan / Lundry
UWZ.d mean:	0.18

Pressure Comparison		
	T/O	Land
Aircraft	1009.2	1016.4
Tower	1010.3	1015.5

	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 type="checkbox"/> TTM.2 <input checked="" type="checkbox"/> TTM.3	<input checked="" type="checkbox"/> TTM.4	<input checked="" type="checkbox"/> TDM.1 <input checked="" type="checkbox"/> TDM.2	<input checked="" type="checkbox"/> TD.c <input checked="" type="checkbox"/> TDMref	<input checked="" type="checkbox"/> TTMref <input checked="" type="checkbox"/> TA.d
<input checked="" type="checkbox"/> Misc. (Must check)				<input checked="" type="checkbox"/> UWZ.d <input checked="" type="checkbox"/> DPJ_WSZ <input checked="" type="checkbox"/> HUM	<input checked="" type="checkbox"/> WS.d <input checked="" type="checkbox"/> WD.d

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)	X

NOTES:
<p>TDM.2 trending 20 degrees lower</p> <p>Moisture quantities remain unrepresentative</p> <p>Wind data remains suspect</p> <p>QC performed by Quinn Kalen</p>

Drop 13 + 22

AOC GPS Dropwindsonde Log (updated Mar 2019)

Flight ID: _____ ASPEN Operator/Flight Director(s): _____

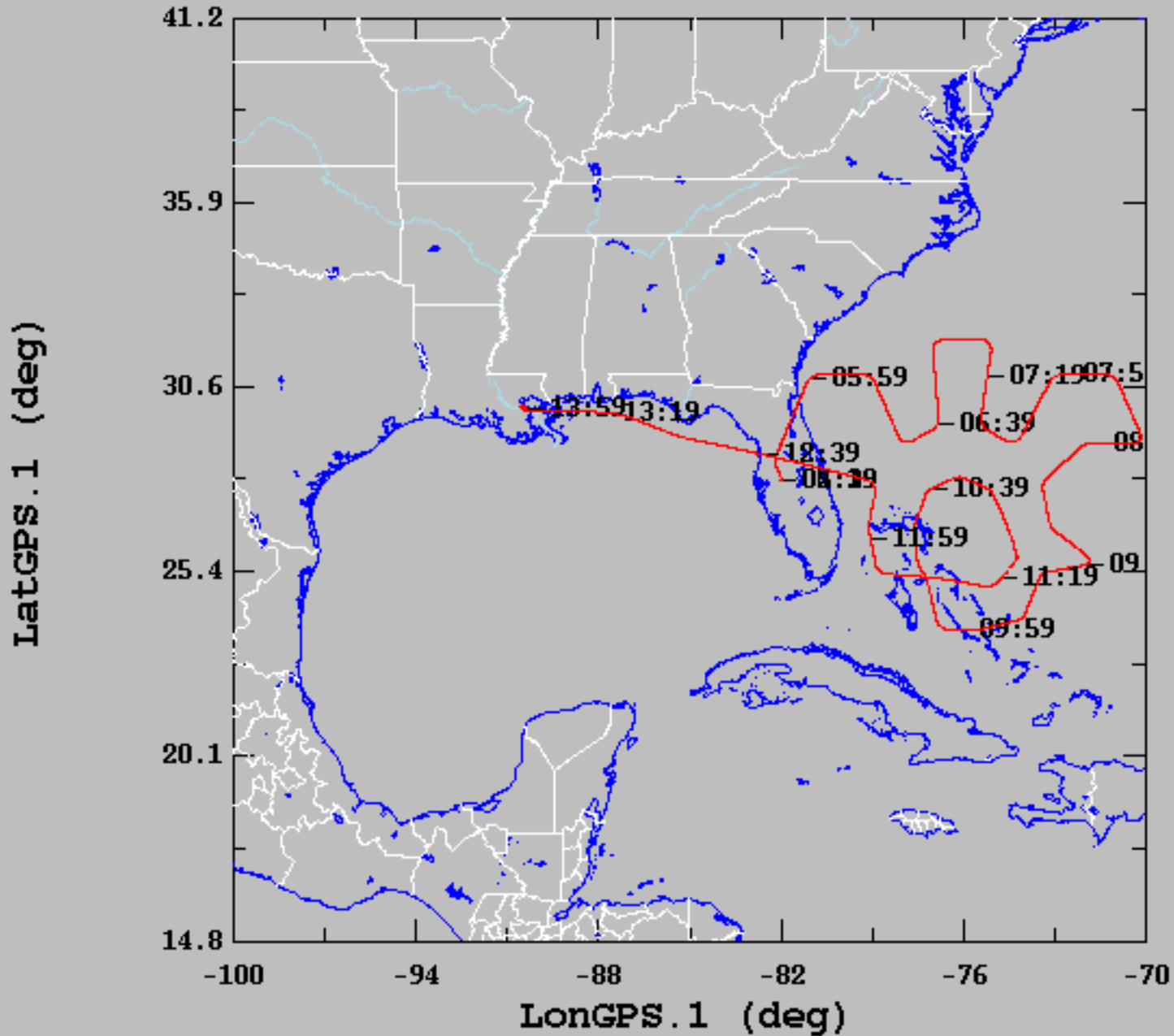
Mission ID: 2705A Doran Storm Name/Track: AL052019 PG of

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	060014	50021	1	30.93	-80.99		1016.3		✓	
2	2	061343	11003	2	30.91	-79.01		1015.9		✓	
3	3	063034	10999	3	29.09	-77.99		1012.4		✓	
4	4	063939	50439	4	29.56	-76.84		1013.3		✓	
5	5	065920	10997	1	31.92	-76.86		1016.5		✓	
6	6	071128	50422	2	31.91	-75.15		1017.4		✓	
7	7	073107	50463	3	29.59	-75.36		1013.9		✓	
8	8	074026	10121	4	29.09	-74.25		1012.8		✓	
9	9	075601	10124	1	30.94	-72.97		1015.5		✓	
10	10	081123	50423	2	30.93	-71.05		1015.7		✓	
11	11	082735	40046	3	29.1	-70.17		1014.6		✓	
12	12	084200	50350	4	28.77	-72.01		1014.3	LST WND 13	✓	
13	13	085544	50575	1	27.87	-73.34		1012.9		✓	
14	14	090645	21095	2	26.61	-73.07		1011.6	CCA for order	✓	
15	15	091851	50444	3	25.63	-71.87		1013.5	CCA for order	✓	
16	16	093113	50574	4	25.28	-73.35		1012.4		✓	
17	17	094300	50478	1	24.03	-71.01		1010.6		✓	
18	18	095740	50474	2					NO Launch detect		Y
19	19	095500	20756	3	26.68	-75.53		1010.7		✓	
20	20	100417	30518	4	23.79	-76.72		1010.3		✓	
21	21	102902	50460	1	26.60	-77.59		1007.2		✓	
22	22	103842	10769	2	27.69	-77.11		1008.8		✓	
23	23	104709	10771	3	28.06	-76.02		1008.6		✓	
24	24	105539	20937	4	27.03	-75.00		1010.1		✓	
25	25	110646	10989	1	26.48	-74.45		1010.2		✓	
26	26	111836	10774	2	25.24	-74.43		1010.5	avoiding wx	✓	
27	27	113113	50600	3	25.06	-76.17		1007.2	avoiding land	✓	
28	28	115130	10092	4	25.38	-78.24		1010.8		✓	
29	29	120200	20802	1	26.61	-79.09		1011.2		✓	
30	30	121227	20960	2	27.83	-78.93		1011.4	LAST REPORT		
31											
32											
33											
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38											

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

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

2019-09-01, 04:39:44-13:59:57



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	28.23	2.14	23.68	32.00
— LongGPS.1 (deg), 1 s/sec	-78.24	5.06	-90.52	-70.13