

AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Kalen / Henning
Phone #: 863-500-3962

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:	20210816N1	FLT #:		AC:	Waddington	Scientists:	Pressure		Dropsondes		
From:	TNCA	ETD:		CP(s):	De Triquet		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:							-	-	-
Block Time		Flight Time		NAV:		ASOS Takeoff		BTs			
In:	0155Z	Land:	0151Z	FE(s):		A/C Land		Good	Bad	Sent	
Out:	2237Z	T/O:	2246Z	FD(s):	Henning Kalen			ASOS Land			
Total:	3.3	Total:	3.1	SSA:	Miller	Visitors:					
				AVAPS:	Patel		Storm Number ID: (ie: AL072012)				
Sponsoring Org:				SEB:		TCPOD/WSPOD Mission		WA07A GRACE			
Program:						(ie: NOAA2 2418A SANDY)					
Purpose:	Hurricane Research				MX:		OBSERVATIONS				
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:

G-IV QC Checklist

Flight ID:	20210816N1
Flight Director(s)	Kalen / Henning

UWZ.d mean:	-0.1
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Pressure Comparison		
	T/O	Land
Aircraft	1009.9	1009.8
Tower	1007.1	1014.9

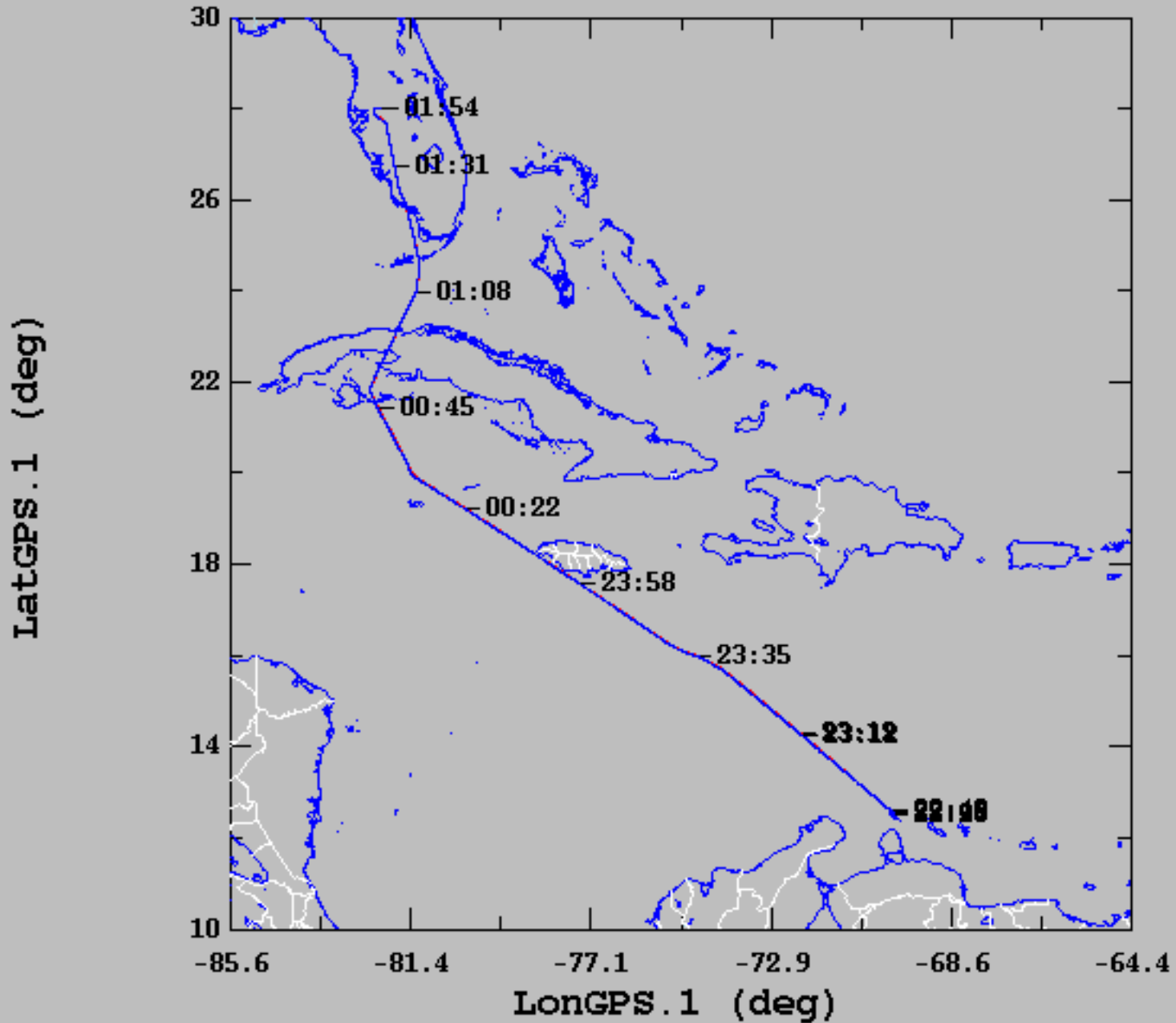
	Raw 1Hz Mean File Parameters					C File Parameters	
<input checked="" type="checkbox"/> Accelerometer	<input checked="" type="checkbox"/> AccAXI.1 <input checked="" type="checkbox"/> AccAXI.2 <input checked="" type="checkbox"/> AccAXI.3	<input checked="" type="checkbox"/> AccAYI.1 <input checked="" type="checkbox"/> AccAYI.2 <input checked="" type="checkbox"/> AccAYI.3	<input checked="" type="checkbox"/> AccAZI.1 <input checked="" type="checkbox"/> AccAZI.2 <input checked="" type="checkbox"/> AccAZI.3			<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"/> AltI.1 <input checked="" type="checkbox"/> AltI.2 <input checked="" type="checkbox"/> AltI.3	<input checked="" type="checkbox"/> AltPaADDU.1 <input checked="" type="checkbox"/> AltPaADDU.2 <input checked="" type="checkbox"/> AltRA.1	<input checked="" type="checkbox"/> AltBCADDU.1 <input checked="" type="checkbox"/> AltBCADDU.2		<input checked="" type="checkbox"/> ALTref <input checked="" type="checkbox"/> ALTPA.d <input checked="" type="checkbox"/> ALTGA.d	
<input checked="" type="checkbox"/> Ground Speed	<input checked="" type="checkbox"/> GsXI.1 <input checked="" type="checkbox"/> GsXI.2 <input checked="" type="checkbox"/> GsXI.3 <input checked="" type="checkbox"/> GsXGPS.1 <input checked="" type="checkbox"/> GsXGPS.2 <input type="checkbox"/> GsXGPS.3	<input checked="" type="checkbox"/> GsYI.1 <input checked="" type="checkbox"/> GsYI.2 <input checked="" type="checkbox"/> GsYI.3 <input checked="" type="checkbox"/> GsYGPS.1 <input checked="" type="checkbox"/> GsYGPS.2 <input type="checkbox"/> GsYGPS.3	<input checked="" type="checkbox"/> GsZI.1 <input checked="" type="checkbox"/> GsZI.2 <input checked="" type="checkbox"/> GsZI.3 <input checked="" type="checkbox"/> GsZGPS.1 <input checked="" type="checkbox"/> GsZGPS.2 <input type="checkbox"/> GsZGPS.3	<input checked="" type="checkbox"/> GsGPS.1 <input checked="" type="checkbox"/> GsGPS.2 <input type="checkbox"/> GsGPS.3		<input checked="" type="checkbox"/> GSXref <input checked="" type="checkbox"/> GSYref <input checked="" type="checkbox"/> GSZref	
<input checked="" type="checkbox"/> Lat / Lon	<input checked="" type="checkbox"/> LatGPS.1 <input checked="" type="checkbox"/> LatGPS.2 <input checked="" type="checkbox"/> LatGPS.3	<input checked="" type="checkbox"/> LatI.1 <input checked="" type="checkbox"/> LatI.2	<input checked="" type="checkbox"/> LonGPS.1 <input checked="" type="checkbox"/> LonGPS.2 <input checked="" type="checkbox"/> LonGPS.3	<input checked="" type="checkbox"/> LonI.1 <input checked="" type="checkbox"/> LonI.2		<input checked="" type="checkbox"/> LATref <input checked="" type="checkbox"/> LONref	
<input checked="" type="checkbox"/> Pressure	<input checked="" type="checkbox"/> PDALPHA.1 <input checked="" type="checkbox"/> PDALPHA.2 <input type="checkbox"/> PDBETA.1 <input type="checkbox"/> PDBETA.2	<input checked="" type="checkbox"/> PQALPHA.1 <input checked="" type="checkbox"/> PQALPHA.2 <input type="checkbox"/> PQBETA.1 <input type="checkbox"/> PQBETA.2	<input checked="" type="checkbox"/> PQM.1 <input checked="" type="checkbox"/> PQM.2	<input checked="" type="checkbox"/> PSM.1 <input checked="" type="checkbox"/> PSM.2		<input checked="" type="checkbox"/> PDLAPHaref <input type="checkbox"/> PDBETAref <input checked="" type="checkbox"/> PQALPHaref <input type="checkbox"/> PQBETAref	<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"/> 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"/> PitchRateI.1 <input checked="" type="checkbox"/> PitchRateI.2 <input checked="" type="checkbox"/> PitchRateI.3	<input checked="" type="checkbox"/> RollI.1 <input checked="" type="checkbox"/> RollI.2 <input checked="" type="checkbox"/> RollI.3	<input checked="" type="checkbox"/> RollRateI.1 <input checked="" type="checkbox"/> RollRateI.2 <input checked="" type="checkbox"/> RollRateI.3		<input checked="" type="checkbox"/> PITCHref <input checked="" type="checkbox"/> ROLLref	
<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 type="checkbox"/> WS.d <input 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 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 type="checkbox"/> X

NOTES:
.1 and .2 GPS parameters data "stair steps" PDBETA.1 & PDBETA.2 unrepresentative due to spare radome PQBETA.1 & PQBETA.2 unrepresentative due to spare radome All flight level wind speed and direction suspected errors due to spare radome TTM.3 oscillates TDM.1 unrepresentative

2021-08-16, 22:26:09-25:54:58



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	19.21	5.00	12.49	27.99
— LongGPS.1 (deg), 1 s/sec	-77.38	4.56	-82.33	-69.94
— LatI.1 (deg), 1 s/sec	19.21	5.00	12.49	28.01
— LonI.1 (deg), 1 s/sec	-77.38	4.55	-82.32	-69.94