

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20190926N1	FLT #:	19-119	AC:	Twining	Scientists:	Pressure		Drosondes		
From:	KLAL	ETD:	14:00Z	CP(s):	Waddington	Dunion, Jason	A/C Takeoff		Good	Bad	Sent
To:	TBPB	ETA:	17:30Z		Norman					0	0
Block Time		Flight Time		Nav(s):			ASOS Takeoff	KLAL 13:50Z 1010.6 mb	BTs		
In:	17:48	Land:	17:45	FE(s)	Negron		A/C Land		Good	Bad	Sent
Out:	13:55	T/O:	14:06	FD(s):	Carpenter	Visitors:	ASOS Land	TBPB 18:00Z 1005.8 mb	0	0	0
Total:	3.88	Total:	3.65		Henning						
Sponsoring Org:	HRD			SEB:	Warnecke		Storm Number ID:		AL132019		
Program:	PHX				Delgado		(ie: AL072012)				
Purpose:	Repo to TBPB for TC Lorenzo			SSA:	Miller		TCPOD/WSPOD Mission (ie: NOAA2 2418A SANDY)		NOAA9 WXWXA TRAIN		
				AVAPS:	Patel		OBSERVATIONS				
AS REQUIRED BY ORM			Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH				X							
SCIENCE MISSION WITHIN BDYR LAYER				X							
LACK OF PRECIPITATION			X								
RELATIVE HUMIDITY ≥ 80%			X								
LARGE AIR-SEA TEMP GRADIENT				X							
HIGH SURFACE WINDS				X							
LONG FETCH / DURATION OF SFC WND				X							
SEA SALT ACCRETION FORECAST				X							
SEA SALT ACCRETION OBSERVED				X							
Gmax:				Gmin:		*Highlighted items must be completed before departure.					
Remarks:											

G-IV QC Checklist

Flight ID:	20190926N1
Flight Director(s):	Carpenter / Henning
UWZ.d mean:	0.23

Pressure Comparison		
	T/O	Land
Aircraft	1011.1	1006.9
Tower	1010.6	1006.0

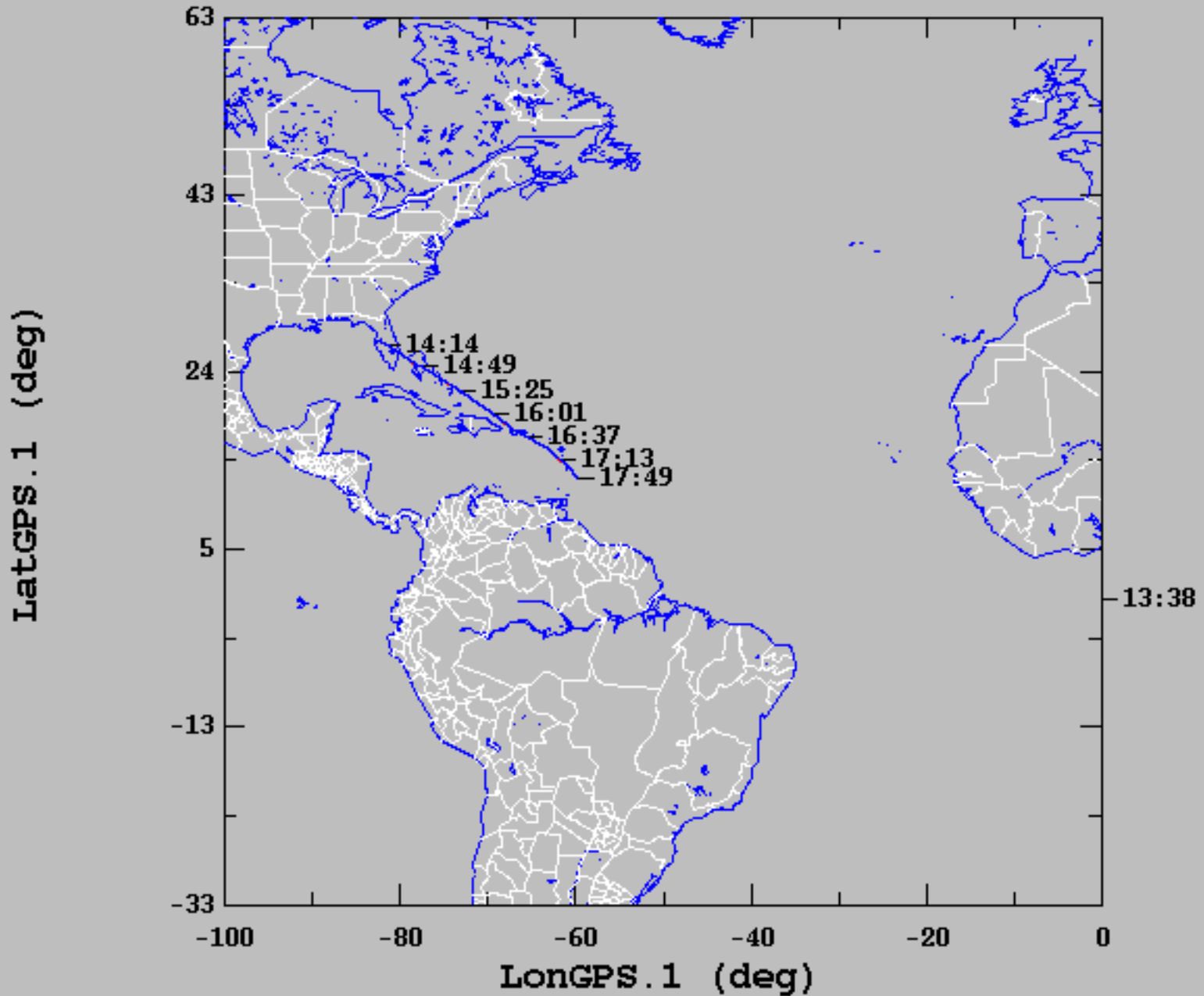
	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	✓ AccAXI.1 ✓ AccAXI.2 ✓ AccAXI.3	✓ AccAYI.1 ✓ AccAYI.2 ✓ AccAYI.3	✓ AccAZI.1 ✓ AccAZI.2 ✓ AccAZI.3		✓ AccZref	
✓ Altitude	✓ AltGPS.1 ✓ AltGPS.2 ✗ AltGPS.3	✓ AltI.1 ✓ AltI.2 ✓ AltI.3	✓ AltPaADDU.1 ✓ AltPaADDU.2 ✓ AltRA.1	✓ AltBCADDU.1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

FLID_Mission_Documents.pdf:	
✓	Error Summary
✓	Crew Manifest
✓	QC Checklist
☐	Dropwindsonde Log(s) - AVAPS and FD if completed
✓	Flight Track
✓	Miscellaneous FD Notes

QC Key	
Not checked	☐
Valid	✓
Errors (note)	✗

NOTES:
<p>AltGPS.3, LatGPS.3, LonGPS.3 inoperational for entire flight</p> <p>PQBETA.1 trending 10 mb low, unrepresentative between 17:15 and 17:37</p> <p>TTM.3, TDM.2 is unrepresentative</p> <p>Moisture quantities remain suspect</p> <p>Wind values remain suspect</p> <p>QC performed by Quinn Kalen</p>

2019-09-26, 13:38:21-17:49:05



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	21.14	4.83	0.00	27.99
— LongGPS.1 (deg), 1 s/sec	-71.13	7.52	-82.03	0.00
— LatI.1 (deg), 1 s/sec	21.12	4.84	0.00	27.99
— LonI.1 (deg), 1 s/sec	-71.12	7.52	-82.03	0.00