



Flight Director: Carpenter / Henning  
Phone #: 863-500-3901

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:	20190916N1	FLT #:	19-114	AC:	Mansour	Scientists:	Pressure		Dropsondes		
From:	TBPB	ETD:	13:00Z	CP(s):	Waddington	Kaplan, John	A/C Takeoff	1007.5	Good	Bad	Sent
To:	TBPB	ETA:	21:00Z		Nardi		ASOS Takeoff	TBPB 15:00Z 1006.8 mb	0	0	0
Block Time		Flight Time		Nav(s):			A/C Land	1008.0	BTs		
In:	15:11	Land:	15:03	FE(s):			ASOS Land	TBPB 15:00Z 1006.8 mb	Good	Bad	Sent
Out:	12:33	T/O:	12:46	FD(s):	Carpenter	Visitors:	Storm Number ID:		AL97		
Total:	2.63	Total:	2.28		Henning		(ie: AL072012)		NOAA9 WAWXA AL97		
Sponsoring Org:	HRD			SEB:	Lynch/C		TCPOD/WSPOD Mission				
Program:	PHX				Paul		(ie: NOAA2 2418A SANDY)				
Purpose:	Genesis/Sat. overpass mission AL97			SSA:	Miller		OBSERVATIONS				
				AVAPS:	Underwood		Fix Number	Obs Number	Fix Time	SLP	
AS REQUIRED BY ORM				Y	N	REMARKS					
VOLCANIC ASH					X						
SCIENCE MISSION WITHIN BDRY 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:	20190916N1
Flight Director(s):	Carpenter / Henning

Pressure Comparison		
	T/O	Land
Aircraft	1007.5	1008.0
Tower	TBPB 13:00Z 1006.8 mb	TBPB 15:00Z 1006.8 mb

UWZ.d mean:	0.09 post-processing
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	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	<input type="checkbox"/>
Valid	<input checked="" type="checkbox"/>
Errors (note)	<input checked="" type="checkbox"/>

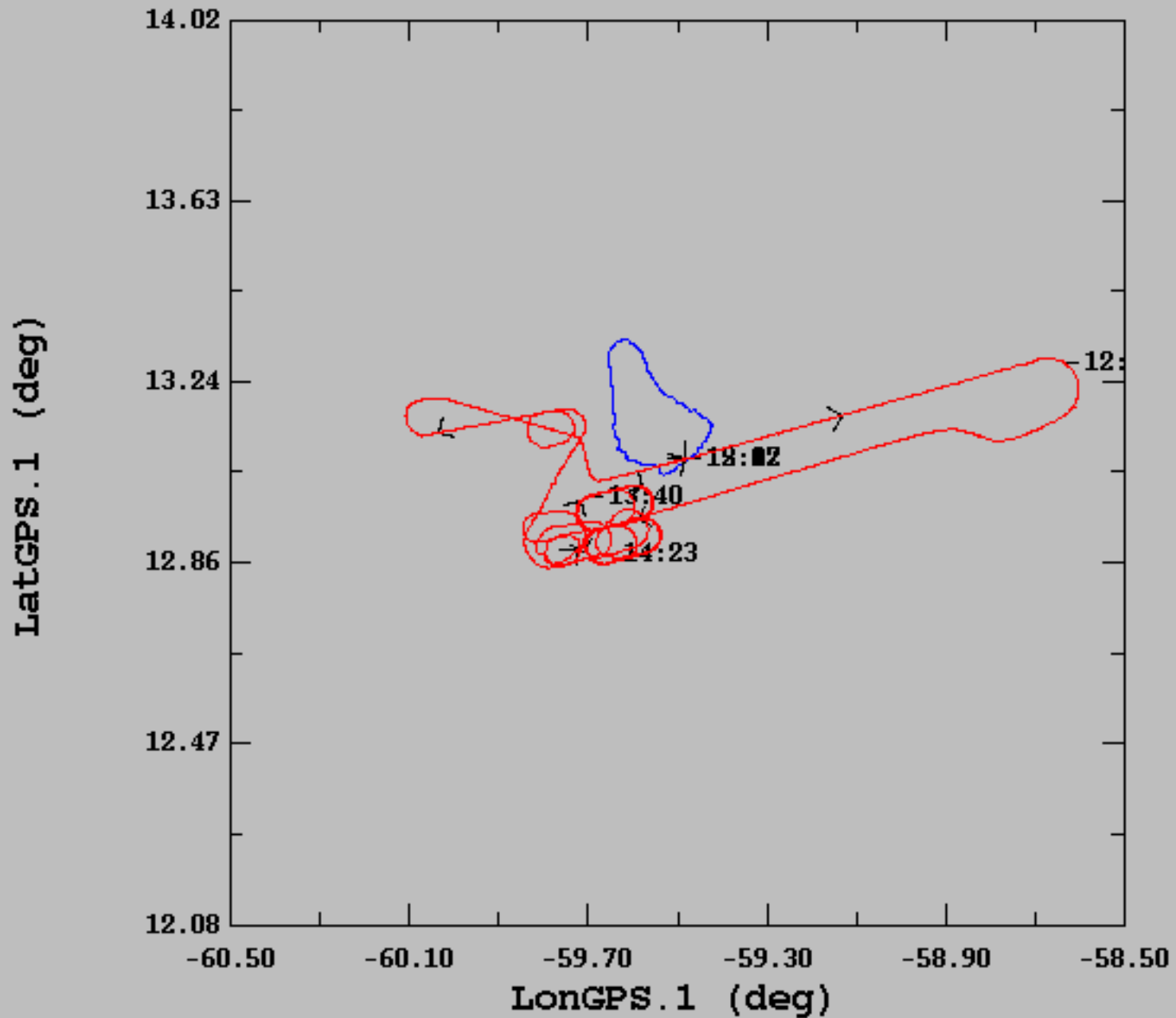
### NOTES:

GsGPS.3 unavailable.

TTM.2 unavailable.

Unrealistic TDM.1 values before take-off. TDM.2 tracks TDM.1 but unrealistic values persist.

09/16/2019, 12:12:22-15:07:41



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	13.02	0.10	12.84	13.29
— LonGPS.1 (deg), 1 s/sec	-59.57	0.24	-60.11	-58.60