



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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20240821N1	FLT #:		AC:	Varwig	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:		CP(s):	Pawlenko		A/C Takeoff		Good	Bad	Sent
To:	KLGB	ETA:			Mayo				-	-	-
Block Time		Flight Time		NAV:			ASOS Takeoff		BTs		
In:	22:27	Land:	22:21	FE(s):			A/C Land		Good	Bad	Sent
Out:	17:41	T/O:	17:51	FD(s):	Carpenter		ASOS Land				
Total:	4.8	Total:	4.5		SSA:						
Sponsoring Org:		NWS		SEB:	Brannigan		Storm Number ID:		<b>WXWXA TRAIN</b>		
Program:		PHS						(ie: AL072012)			
Purpose:		REPO		MX:	Roche		TCPOD/WSPOD Mission				
					Mazur			(ie: NOAA2 2418A SANDY)			
AS REQUIRED BY ORM				Y	N			OBSERVATIONS			
VOLCANIC ASH								Fix Number	Obs Number	Fix Time	SLP
SCIENCE MISSION WITHIN BDRY LAYER						REMARKS		1			
LACK OF PRECIPITATION								2			
RELATIVE HUMIDITY ≥ 80%								3			
LARGE AIR-SEA TEMP GRADIENT								4			
HIGH SURFACE WINDS											
LONG FETCH / DURATION OF SFC WND											
SEA SALT ACCRETION FORECAST											
SEA SALT ACCRETION OBSERVED											
								Pennies:			
						*Highlighted items must be completed before departure.					
Remarks:											

## G-IV QC Checklist

Overall Assessment

No instrument issues noted.

Flight ID:	20240821N1
Flight Director(s):	Carpenter/de Solo
Mission:	Ferry
UWZ.d mean:	-0.19

Pressure Comparison		
	Pre-flight	Post-flight
Aircraft	1012.4	
Airfield	1011.4	1012.4

This form uses:

[A.nc](#)

Parameters	Raw				Derived, Corrected & Reference		
<input checked="" type="checkbox"/> Acceleration	<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"/> AccZI.1 <input checked="" type="checkbox"/> AccZI.2 <input checked="" type="checkbox"/> AccZI.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 INOP AltRA.1	<input checked="" type="checkbox"/> AltBCADDU.1 <input checked="" type="checkbox"/> AltBCADDU.2	<input checked="" type="checkbox"/> ALTref      20240821N1 <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 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 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 checked="" type="checkbox"/> GsGPS.1 <input checked="" type="checkbox"/> GsGPS.2	<input checked="" type="checkbox"/> GSXref <input checked="" type="checkbox"/> GSYref <input checked="" type="checkbox"/> GSZref		
<input checked="" type="checkbox"/> Location	<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"/> LatI.3	<input checked="" type="checkbox"/> LongGPS.1 <input checked="" type="checkbox"/> LongGPS.2 <input checked="" type="checkbox"/> LongGPS.3	<input checked="" type="checkbox"/> LonI.1 <input checked="" type="checkbox"/> LonI.2 <input checked="" type="checkbox"/> LonI.3	<input checked="" type="checkbox"/> LATref <input checked="" type="checkbox"/> LONref		
<input checked="" type="checkbox"/> Pressure Sensors	<input checked="" type="checkbox"/> PDALPHA.1 <input checked="" type="checkbox"/> PDALPHA.2 <input checked="" type="checkbox"/> PDBETA.1 <input checked="" type="checkbox"/> PDBETA.2	<input checked="" type="checkbox"/> PQALPHA.1 <input checked="" type="checkbox"/> PQALPHA.2 <input checked="" type="checkbox"/> PQBETA.1 <input checked="" 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"/> 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"/> PitchRatel.1 <input checked="" type="checkbox"/> PitchRatel.2 <input checked="" type="checkbox"/> PitchRatel.3	<input checked="" type="checkbox"/> RollI.1 <input checked="" type="checkbox"/> RollI.2 <input checked="" type="checkbox"/> RollI.3	<input checked="" type="checkbox"/> RollRatel.1 <input checked="" type="checkbox"/> RollRatel.2 <input checked="" type="checkbox"/> RollRatel.3	<input checked="" type="checkbox"/> PITCHref <input checked="" type="checkbox"/> ROLLref		
<input checked="" type="checkbox"/> Temperature / Dewpoint	<input checked="" type="checkbox"/> TTM.1 INOP 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"/> TTMref <input checked="" type="checkbox"/> TA.d
<input checked="" type="checkbox"/> Wind					<input checked="" type="checkbox"/> UWZ.d	<input checked="" type="checkbox"/> WS.d <input checked="" type="checkbox"/> WD.d	

### FLID\_Mission\_Documents.pdf:

- Error Summary
- Crew Manifest
- QC Checklist
- Dropwindsonde Log(s) - AVAPS and FD, if completed
- Flight Track

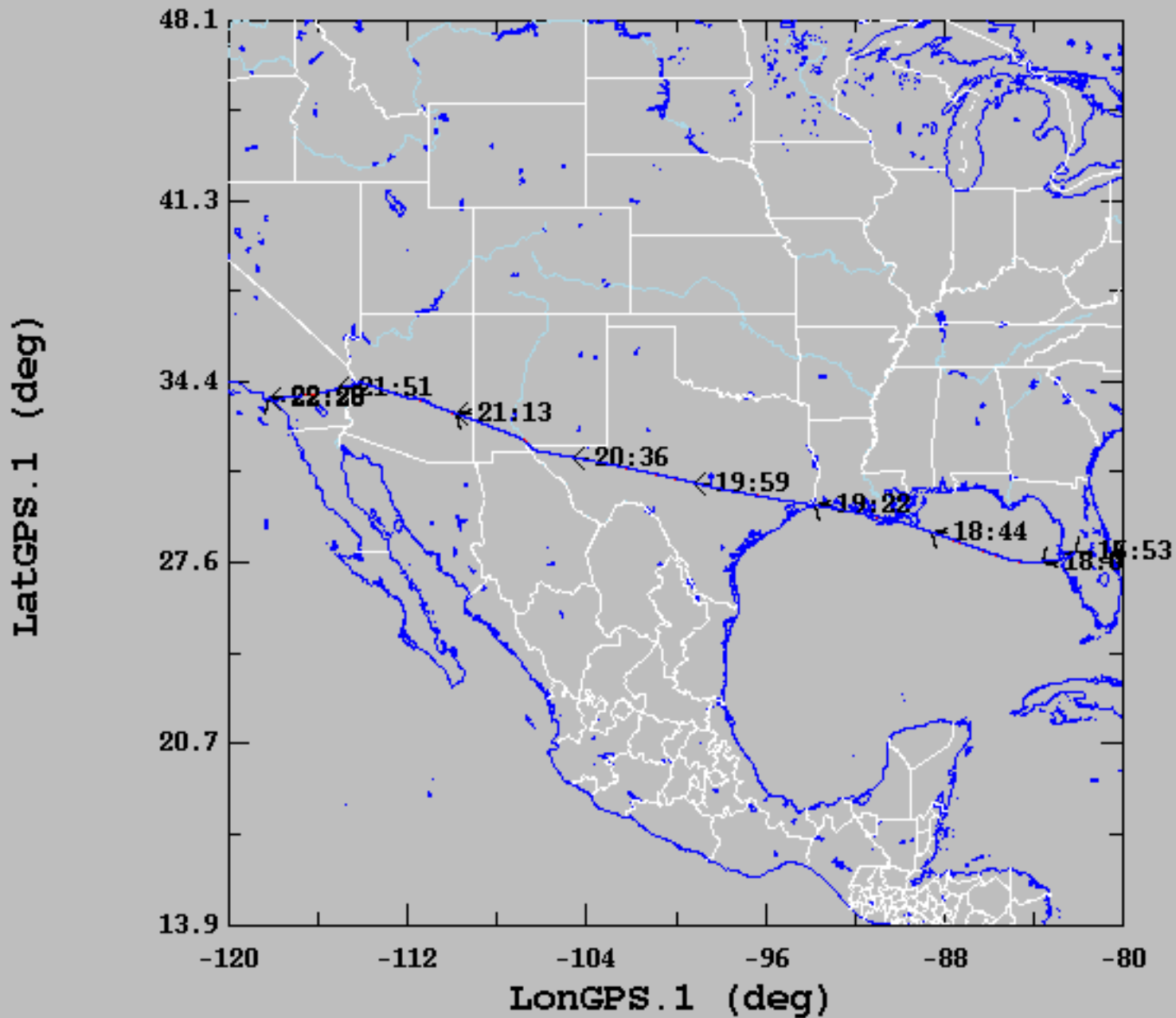
### QC Key:

Valid	<input checked="" type="checkbox"/>
Errors (see NOTES)	X
Sensor Inoperative	inop

### NOTES:

Flight level winds are removed due to known inconsistencies.

08/21/2024, 16:53:14-22:28:26



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	30.47	2.30	27.56	34.39
— LonGPS.1 (deg), 1 s/sec	-97.22	12.27	-118.16	-82.01
— LatI.1 (deg), 1 s/sec	30.51	2.32	27.56	34.39
— LonI.1 (deg), 1 s/sec	-97.46	12.38	-118.16	-82.01