

## NOAA Aircraft Operations Center - NOAA 49 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
<b>FLT ID:</b>	20180818N2	<b>FLT #:</b>		<b>AC:</b>	Twining	<b>Scientists:</b>		<b>Pressure</b>		<b>Dropsondes</b>		
<b>From:</b>	KLGB	<b>ETD:</b>		<b>CP(s):</b>	Waddington			A/C Takeoff		Good	Bad	Sent
<b>To:</b>	PHNL	<b>ETA:</b>			Sims							
<b>Block Time</b>		<b>Flight Time</b>		<b>Nav(s):</b>				Wx Station Takeoff		<b>BTs</b>		
In:	0247	In:	0243	<b>FE(s)</b>				A/C Land		Good	Bad	Sent
Out:	2114	Out:	2125									
<b>Total:</b>		<b>Total:</b>		<b>FD(s):</b>	Sears	<b>Visitors:</b>		Wx Station Land				
					Flaherty							
<b>Sponsoring Org:</b>				<b>SEB:</b>	Hartberger	Rotteveel		<b>Storm Number ID:</b>				
<b>Program:</b>					Smith			(ie: AL072012)				
<b>Purpose:</b>				<b>SSA:</b>	Defeo			TCPOD/WSPOD Mission				
				<b>AVAPS:</b>	Miller			(ie: NOAA2 2418A SANDY)				
<b>AS REQUIRED BY ORM</b>				<b>Y</b>	<b>N</b>	<b>REMARKS</b>		<b>Fix Number</b>	<b>Obs Number</b>	<b>Fix Time</b>	<b>SLP</b>	
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												
<b>Additional Remarks:</b>								<b>*Highlighted items must be completed before departure.</b>				
<b>Cockpit Gmax:</b>				<b>Gmin:</b>								

## APPENDIX 2 – GIV QC Checklist

<b>Flight ID:</b>	20180818N2
<b>Flight Director(s):</b>	Sears

Pressure Comparison		
	T/O	Land
<b>Aircraft</b>	1014.6	1013.7
<b>Tower</b>	1014.8	1013.1

UWZ.d mean: 0.12

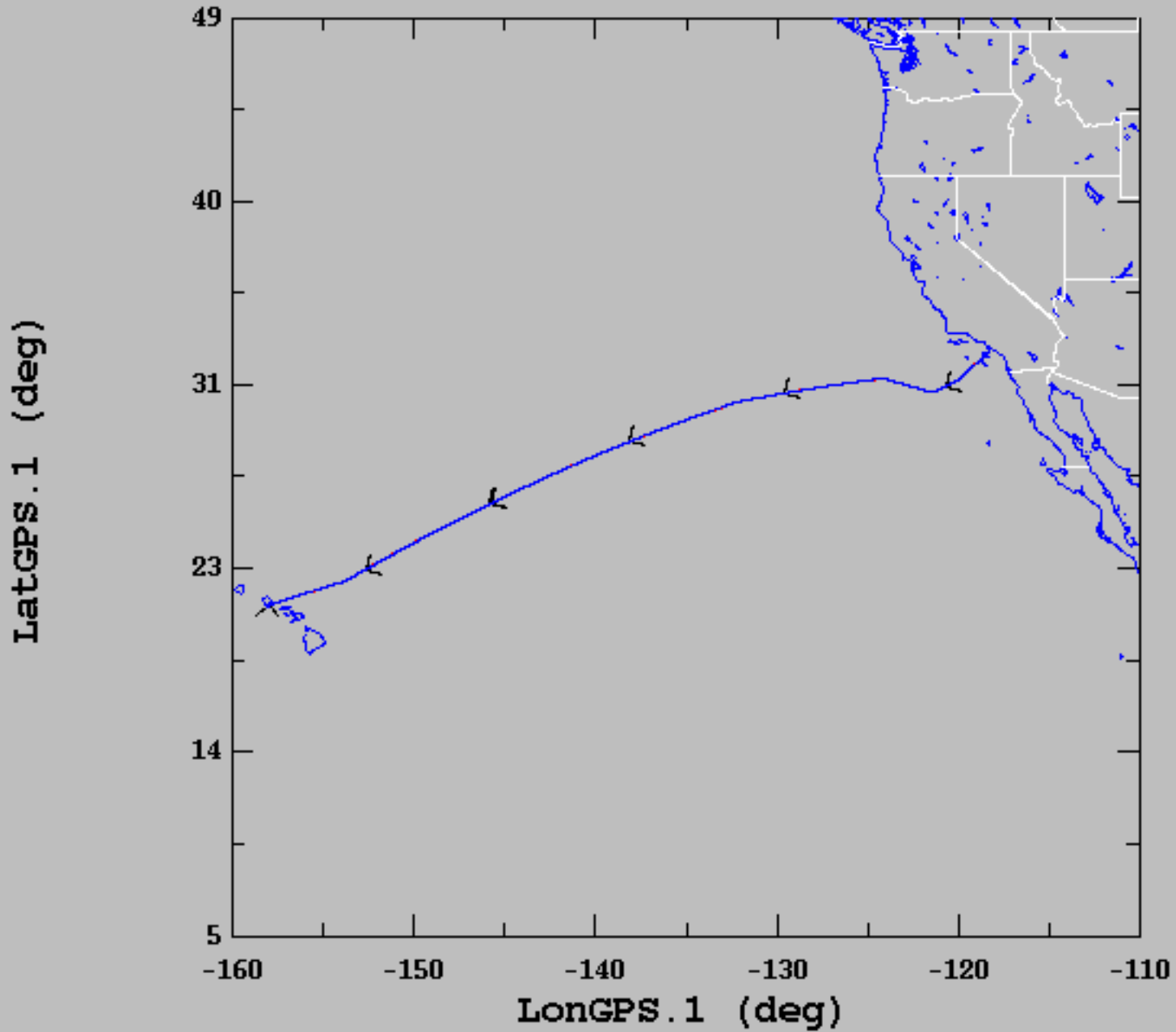
	Raw 1Hz Mean File Parameters				C File Parameters	
<input checked="" type="checkbox"/> Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1		AccZref	
	AccAXI.2	AccAYI.2	AccAZI.2			
	AccAXI.3	AccAYI.3	AccAZI.3			
<input checked="" type="checkbox"/> Altitude	AltGPS.1	AltI.1	AltPaADDU.1	AltBCADDU.1	ALTref	
	AltGPS.2	AltI.2	AltPaADDU.2	AltBCADDU.2	ALTPA.d	
	AltGPS.3	AltI.3	AltRA.1		ALTGA.d	
<input checked="" type="checkbox"/> Ground Speed	GsXI-GPS.1	GsXI.1	GsGPS.1	GsXGPS.1	GSXref	
	GsXI-GPS.2	GsXI.2	GsGPS.2	GsXGPS.2	GSYref	
	GsYI-GPS.1	GsXI.3		GsYGPS.1	GSZref	
	GsYI-GPS.2	GsYI.1	GsZI.1	GsYGPS.2		
	GsZI-GPS.1	GsYI.2	GsZI.2	GsZGPS.1		
	GsZI-GPS.2	GsYI.3	GsZI.3	GsZGPS.2		
<input checked="" type="checkbox"/> Lat/Lon	LatGPS.1	LatI.1	LonGPS.1	LonI.1	LATref	
	LatGPS.2	LatI.2	LonGPS.2	LonI.2	LONref	
	LatGPS.3		LonGPS.3			
<input checked="" type="checkbox"/> Pressure	PDALPHA.1	PQALPHA.1	PQM.1	PSM.1	PDALPHAref	PQMref
	PDALPHA.2	PQALPHA.2	PQM.2	PSM.2	PDBETAref	PQ.c
	PDBETA.1	PQBETA.1	PQM.11	PSM.11	PQALPHAref	PSMref
	PDBETA.2	PQBETA.2			PQBETAref	PS.c
<input checked="" type="checkbox"/> Air Speed	CasADDU.1	TasADDU.1	IasADDU.1		IAS.d	TAS.d
<input checked="" type="checkbox"/> Pitch/Roll	PitchI.1	PitchRateI.1	RollI.1	RollRateI.1	PITCHref	
	PitchI.2	PitchRateI.2	RollI.2	RollRateI.2	ROLLref	
	PitchI.3	PitchRateI.3	RollI.3	RollRateI.3		
<input checked="" type="checkbox"/> Temp/Dewpt	TTM.1	TTM.11	TDM.1		TD.c	TTMref
	TTM.2	TTM.13	TDM.2		TDMref	TA.d
	TTM.3	TTM.4	TDM.11			
<input checked="" type="checkbox"/> Miscellaneous (must check)					UWZ.d	WS.d
					DPJ_WSZ	WD.d
					HUM	

**Mission Documents:**

<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"/>	Miscellaneous FD notes

**NOTES:**

2018-08-18, 20:53:50-26:49:06



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	28.21	4.08	21.18	33.84
— LongGPS.1 (deg), 1 s/sec	-137.84	13.06	-158.05	-118.14
— LatI.1 (deg), 1 s/sec	28.20	4.08	21.18	33.85
— LonI.1 (deg), 1 s/sec	-137.87	13.05	-158.05	-118.14

N49RF ERROR SUMMARY  
KLGB - PHNL REPO FOR H. LANE

Flight ID: 20180818N2

Sensor or System -----	Number or Name -----
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.1
Dewpoint Temp. Probe	TDM.1
Vertical Accelerometer	AccZI.1
Altimeter	AltGPS.3
INE Selection	1
Differential Attack Pressure Probe	PDALPHA.2
Differential Sideslip Pressure Probe	PDBETA.2
Dynamic Attack Pressure Probe	PQALPHA.2
Dynamic Sideslip Pressure Probe	PQBETA.2

Flight Directory                               acdata/2018/MET/20180818N2

Local Met Data	Takeoff KLGB (2123Z)	Landing PHNL (0242Z)
Dynamic Corrections		Yes
AttackAngleIntercept		3.97801
AttackAngleSlope		3.86172
SlipAngleIntercept		1.258
SlipAngleSlope		6.69941
AttackAngleIntercept2		5.04641
AttackAngleSlope2		5.41847
SlipAngleIntercept2		0.905
SlipAngleSlope2		6.78464

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Notes:

There were no edits made in the measured parameters used to calculate meteorological and navigational parameters.  
Wind and humidity data are suspect  
Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dro sondes	1	1	1
Test sondes	1	0	0
AXB Ts	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: SEARS

Phone #: 863.500.3986

ACAT-4 Version = 7.1

