

NOAA Aircraft Operations Center - NOAA 49 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID: 20180808N	FLT #:	AC: Twining	Scientists:	Pressure	Dropsondes						
From: PHNL	ETD:	CP(s): Waddington	NEBRON	A/C Takeoff	Good	Bad	Sent				
To: PHNL KLAB	ETA:	Fritzler		Wx Station Takeoff							
Block Time		Flight Time		A/C Land	BTs						
In: 2214	In: 2210	Nav(s):	Visitors:	Wx Station Land	Good	Bad	Sent				
Out: 1656	Out: 1709	FE(s):									
Total: 5.3	Total: 5	FD(s):									
Sponsoring Org:		SEB: McAlister		Storm Number ID:							
Program:		Underwood		(ie: AL072012)							
Purpose:		SSA: Defeo		TCPOD/WSPOD Mission							
		AVAPS: Lynch, C		(ie: NOAA2 2418A SANDY)							
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP
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											

Additional Remarks:

*Highlighted items must be completed before departure.

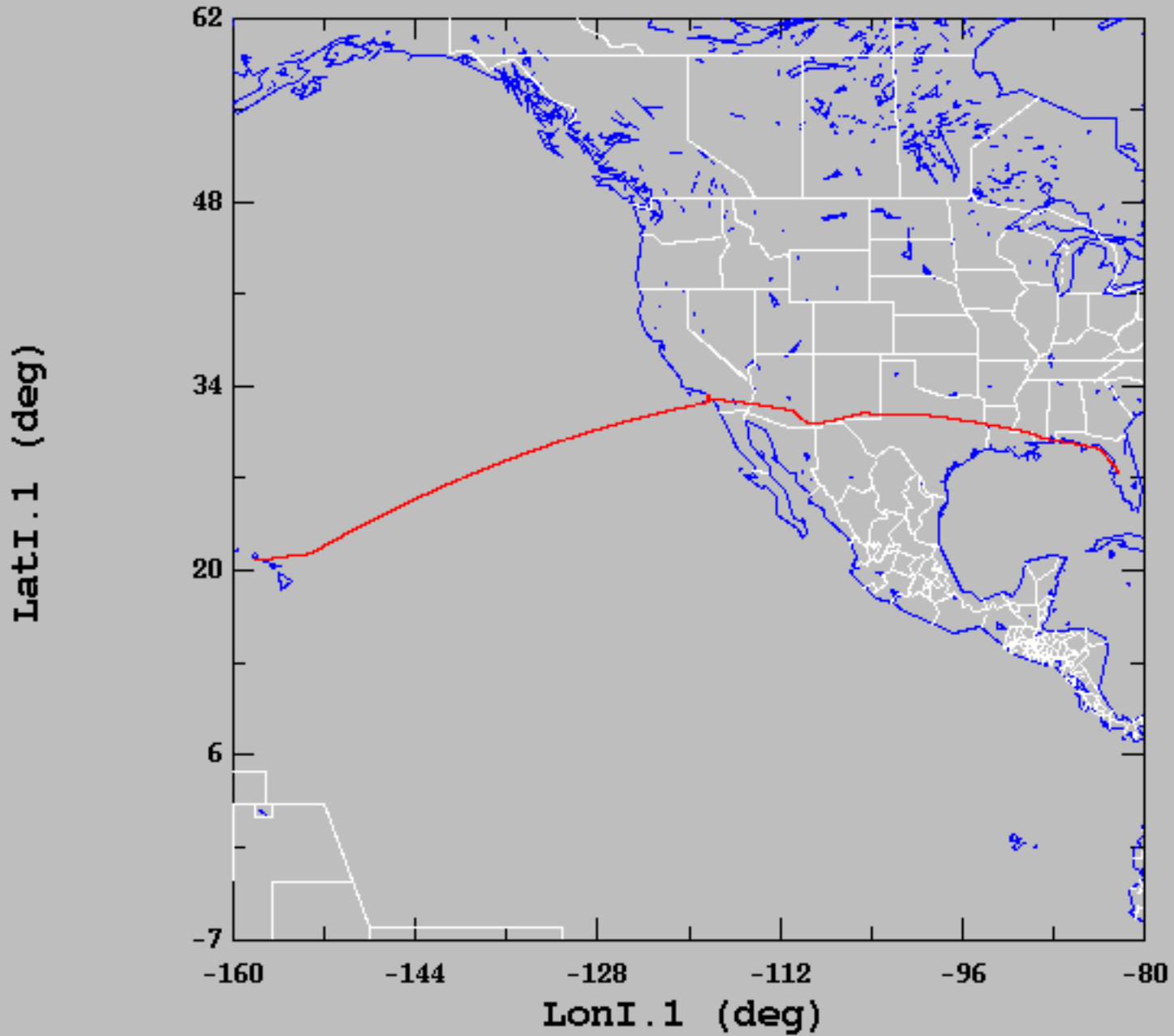
Cockpit Gmax: FLT2 Gmin:

BLK / FLT

IN 0424	0418 LAND
OUT 2340	2348 OFF

4.5

2018-08-08, 16:34:59-28:24:30



	mean	sigma	min	max
— LatI.1 (deg), 1 s/sec	29.29	4.10	21.18	33.86
— LonI.1 (deg), 1 s/sec	-121.38	23.26	-157.94	-82.03

N49RF ERROR SUMMARY
Repo

Flight ID: 20180808N1

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/20180808N1

Local Met Data Takeoff PHNL (2347Z) Landing KLAL (0418Z)	
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

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.

Reposition to Lakeland from Honolulu via Long Beach for fuel.

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	0	0	0
Test sondes	0	0	0
AXBTs	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

APPENDIX 2 – GIV QC Checklist

Flight ID:	201808081
Flight Director(s):	Sears

Pressure Comparison		
	T/O	Land
Aircraft	1012.6	1015.7
Tower	1014.1	1013.1

UWZ.d mean: -0.00

	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: