

## NOAA Aircraft Operations Center - NOAA 49 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION					
<b>FLT ID:</b>	20180820N1	<b>FLT #:</b>		<b>AC:</b>	Twining	<b>Scientists:</b>		<b>Pressure</b>		<b>Dropsondes</b>			
<b>From:</b>	PHNL	<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:	0101	In:	0057	<b>FE(s)</b>				A/C Land		Good	Bad	Sent	
Out:	1707	Out:	1720										
<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			<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>OBSERVATIONS</b>					
								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:				Gmin:									

## APPENDIX 2 – GIV QC Checklist

<b>Flight ID:</b>	20180820N1
<b>Flight Director(s):</b>	Sears

Pressure Comparison		
	T/O	Land
<b>Aircraft</b>	1015.6	1014.0
<b>Tower</b>	1015.1	1014.1

UWZ.d mean: -0.06

	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:**



Phone #: 863.500.3986

ACAT-4 Version = 7.1

N49RF AOC G<sup>r</sup> ropwindsonde Log

29/30

Flight ID: 20180820 N1

Flight Director: FLAHERTY / SEARS

Mission ID: 0614E LANE

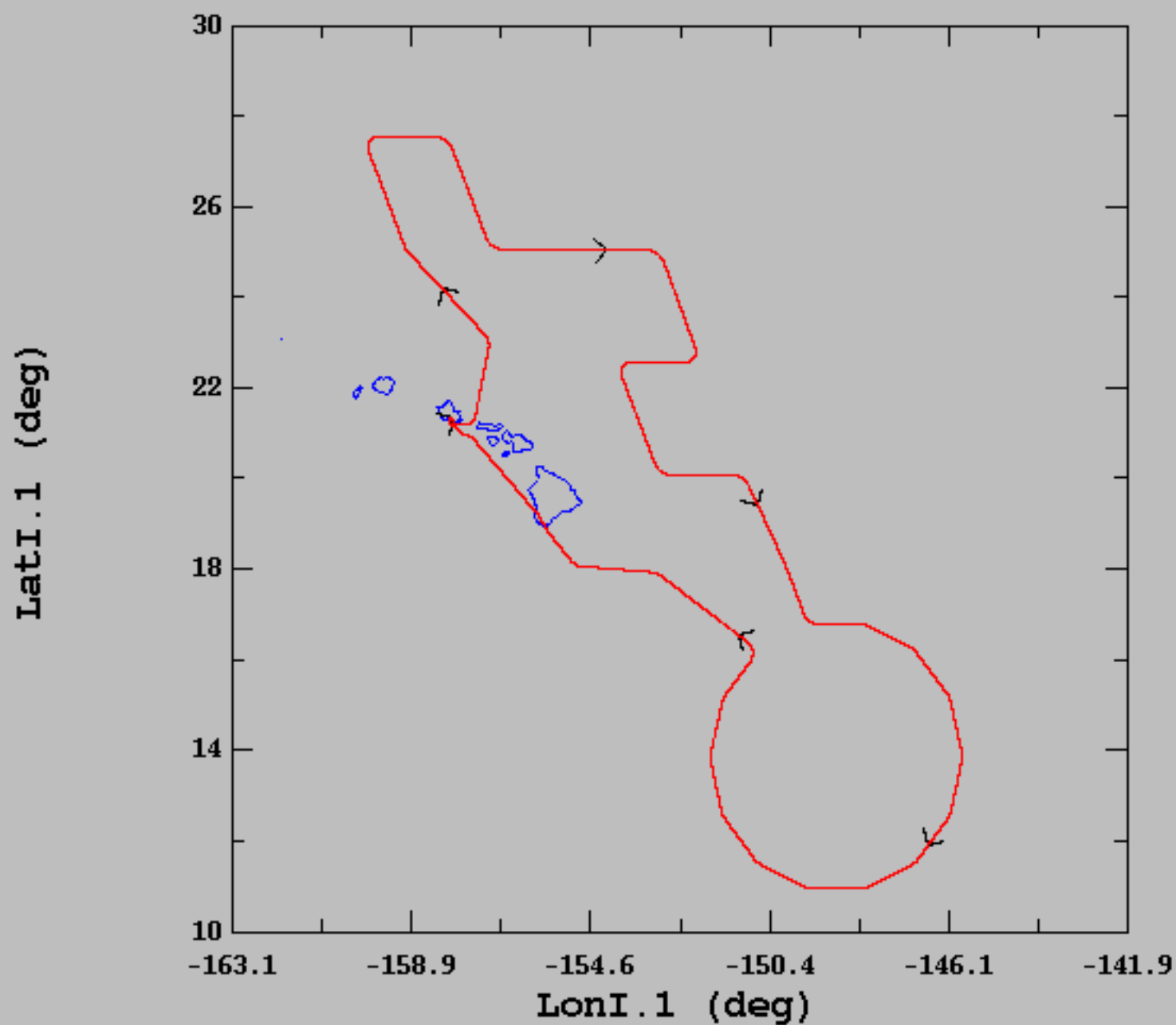
Storm/Track: HURRICANE LANE

Pg 1 of 1

Drop #	Ob #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°E)	Wx Cond.	L5/R5?	SFC Prs (mb)	Last Wind Alt (m)	Comments	Ch #	SatComm failures	KWBC #
1	X												
2	1	55017	1745			SCT BLW	RS	1017.1			1		1848
3	2	55202	1809			"	RS	1018.6			3		1853
4	3	55234	1830			"	RS	1019.9			4		1858
5	4	15119	1843			"	"	1019.5			1		1943
6	5	55058	1909			"	"	1018.6			2		1945
7	6	55060	1917			"	"	1018.9			3		1951
8	7	55030	1931			"	"	1019.7			4		1954
9	8	25047	1957			"	"	1017.0			1		2024
10	9	55228	2007			BKN BLW	"	1017.7		Fixed Sfc Winds	2		2028
11	10	55015	2027			"	"	1016.4			3		2101
12	11	25169	2042			"	"	1015.5			4		2109
13	12	25028	2059			OCN BLW	"	1014.1			1		2120
14	13	25129	2111			" "	"	1012.2			2		2133
15	14	55014	2122			" "	"	1011.9			3		2209
16	15	35008	2132			" "	"	1012.1			4		2213
17	16	13039	2143			" "	"	1011.2			1		2223
18	17	25051	2154			" "	"	1010.9			2		2227
19	18	15101	2205			" "	"	1010.0			3		2230
20	19	25049	2210			" "	"	1009.6			4		2316
21	20	25043	2227			" "	"	1009.8			1		2318
22	21	25053	2238			" "	"	1008.9			2		2325
23	22	55037	2249			" "	"	1009.0			3		2329
24	23	25017	2300			" "	"	1009.5			4		2336
25	24	25041	2311			" "	"	1009.3			1		0000
26	25	55029	2322			" "	"	1010.0			2		0006
27	26	35023	2337			BKN BLW	"	1010.4			3		0013
28	27	35255	2349			"	"	1010.4			4		0014
29	28	15281	2356			SCT BLW	"	1012.7			1		0023
30	29	25130	0011			"	"	1013.0		LAST RPT	2		0036



2018-08-20, 16:33:07-25:02:00



	mean	sigma	min	max
— LatI.1 (deg), 1 s/sec	19.62	4.62	10.95	27.55
— LonI.1 (deg), 1 s/sec	-153.56	4.07	-159.90	-145.77