

## NOAA Aircraft Operations Center - NOAA 49 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
<b>FLT ID:</b>	20180822N1	<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:	0137	In:	0132	<b>FE(s)</b>				A/C Land		Good	Bad	Sent
Out:	1700	Out:	1711									
<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>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>								



Phone #: 863.500.3986

ACAT-4 Version = 7.1

## APPENDIX 2 – GIV QC Checklist

<b>Flight ID:</b>	20180822N1
<b>Flight Director(s):</b>	Sears

Pressure Comparison		
	T/O	Land
<b>Aircraft</b>	1014.0	1012.4
<b>Tower</b>	1014.1	1012.1

UWZ.d mean: 0.01

	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:**

N49RF AOC G' Propwindsonde Log

Flight ID: 20180822 N1

Flight Director: FLAHERTY / SEARS

Mission ID: 1314E LANE

Storm/Track: HURRICANE LANE SURV

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32/33

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	1	25138	1731			BLW BLW	RS	1013			1		1823
2	2	55252	1742			OVC BLW	"	1013.0			2		1827
3	3	15166	1757			OVC BLW	"	1012.6		UL FR BLOB	3	SET HGT MSG	1921
4	4	15035	1804			OVC	"	1011.8			4		1923
5	5	55253	1815			OVC	"	1011.3			1		1926
6	6	25141	1826			OVC	"	1010.1			2		1936
7	7	15165	1837			OVC	"	1010.3			3		1938
8	8	25019	1848			OVC	"	1011.2			4		1939
9	9	35019	1858			OVC	"	1010.1			1		1942
10	10	55038	1909			OVC	"	1010.5			3		1943
11	11	55055	1920			OVC	"	1012.1			4		1959
12	12	35002	1930			OVC	"	1012.3			1		2025
13	13	35281	1942			OVC	"	1012.9		NO SEC WINDS	2		2114
14	14	15051	1951			OVC	"	1013.1			3		2119
15	15	25190	2003			OVC BLW	"	1003.8			4		2127
16	16	35094	2013			OVC BLW	"	1013.1			1		2129
17	17	22070	2025			SET BLW	"	1014.8			2		2146
18	18	55019	2038			"	"	1016.4			3	FAST FAIL	2152
19	19	15004	2051			"					1		2222
20	20	35043	2053			"	RS	1017.4			2		2234
21	21	35146	2111			"	"	1018.7			3		2236
22	22	25058	2132			"	"	1024.0			4		2238
23	23	55031	2149			"	"	1021.0			1		2254
24	24	15140	2210			"	"	1018.6			2		2328
25	25	35104	2230			"	"	1017.3			3		2329
26	26	25068	2243			"	"	1016.1			4		2332
27	27	55256	2252			"	"	1014.1			1		2357
28	28	25021	2307			"	"	1014.6			2		0012
29	29	15001	2326			"	"	1017.2			3		0019
30	30	55182	2339			"	"	1017.9			4		0040
31	31	15058	2358			"	"	1020.4			1		0059
32	32	15012	0013			"	"	1020.1			2		
33	33	35025	0038			"	"	1017.5		LAST PRT	3		

N49RF AVAPS DROP LOG

Lead Tech: Gabe Defeo

Project : Hurricane 2018

Mission : Lane

Flight ID : 201808ZZNI

Take Off : 1711

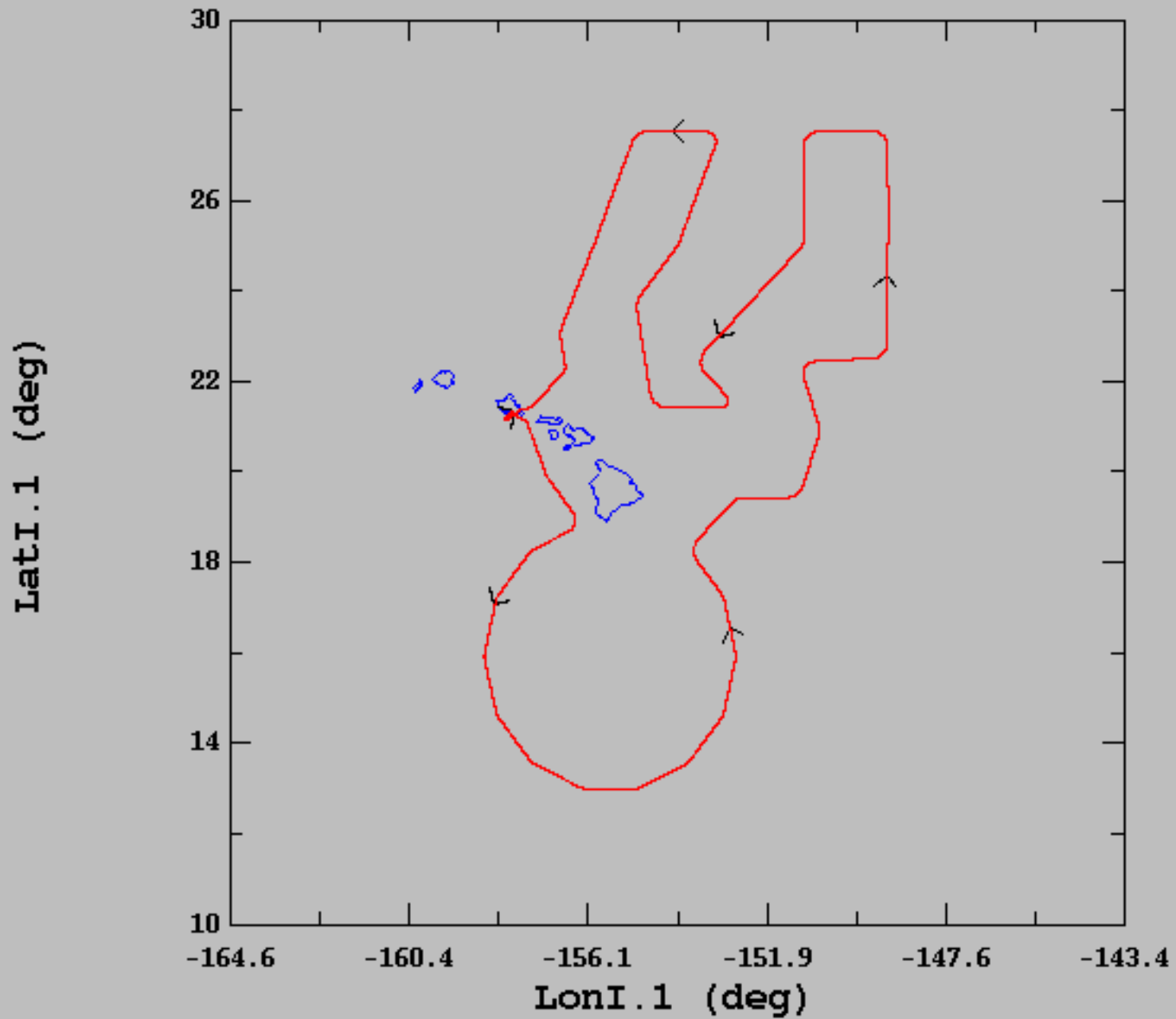
Landing : 0132

Flt Dir : J. Sears

Launcher S/N: 02

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	163525138	1	-0.4	173136	LM	NHC		✓
2	163455252	2	0	174259				
3	162815166	3	+0.4	175253				
4	162715035	4	0	180409				
5	163455253	1	+0.1	181516				
6	163525147	2	-0.1	182638				
7	162815165	3	+0.4	183725				
8	163525019	4	0	184811				
9	163535014	1	+0.5	185854				
10	162655038	2	-0.4	190931				
11	162655055	3	0	192007				
12	162735022	4	0	193043				
13	163335281	1	0	194219				
14	164015051	2	0	195145				
15	163525190	3	0	200312				
16	163335094	4	-0.4	201317				
17	163025070	1	-0.2	202540				
18	162655019	2	+0.2	203826				↓
19	164015004	3	+0.3	205126			chute not fully deploy	↓
20	163255043	4	0	205344			backup	✓
21	163335146	1	+0.4	211159				
22	163525058	2	+0.4	213259				
23	163255051	3	0	214910				
24	162815140	4	+0.6	221023				
25	163335104	1	-0.5	223038				
26	162825068	2	0	224320				
27	163455256	3	+0.4	225218				
28	162735021	4	+0.2	230752				
29	164015001	1	0	232645				
30	163455282	2	0	233827				
31	164015058	3	-0.3	235836				
32	162715012	4	+0.7	001348	↓	↓		↓
33	163535025	1	+0.5	003836	↓	↓		↓
34	163335139	3	0					

2018-08-22, 16:34:55-25:37:28



	mean	sigma	min	max
— LatI.1 (deg), 1 s/sec	21.43	4.11	13.00	27.53
— LonI.1 (deg), 1 s/sec	-154.21	2.95	-158.58	-148.97