

NOAA Aircraft Operations Center - NOAA 49 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
FLT ID:	20180821N1	FLT #:		AC:	Twining	Scientists:		Pressure		Dropsondes		
From:	PHNL	ETD:		CP(s):	Waddington			A/C Takeoff		Good	Bad	Sent
To:	PHNL	ETA:			Sims							
Block Time		Flight Time		Nav(s):				Wx Station Takeoff		BTs		
In:	0115	In:	0110									
Out:		Out:		FE(s)				A/C Land		Good	Bad	Sent
	1706		1717									
Total:		Total:		FD(s):	Sears			Wx Station Land				
					Flaherty	Visitors:						
Sponsoring Org:				SEB:	Hartberger			Storm Number ID:				
Program:					Smith			(ie: AL072012)				
Purpose:				SSA:	Defeo			TCPOD/WSPOD Mission				
								(ie: NOAA2 2418A SANDY)				
				AVAPS:	Miller			OBSERVATIONS				
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:				Gmin:								

APPENDIX 2 – GIV QC Checklist

Flight ID:	20180821N1
Flight Director(s):	Sears

Pressure Comparison		
	T/O	Land
Aircraft	1014.9	1013.8
Tower	1014.5	1013.8

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:

Phone #: 863.500.3986

ACAT-4 Version = 7.1

N49RF AOC G¹ Dropwindsonde Log

28/31

Flight ID:

2080821 N1

Flight Director:

FLANEITY / SEARS

Mission ID:

1014E LANE

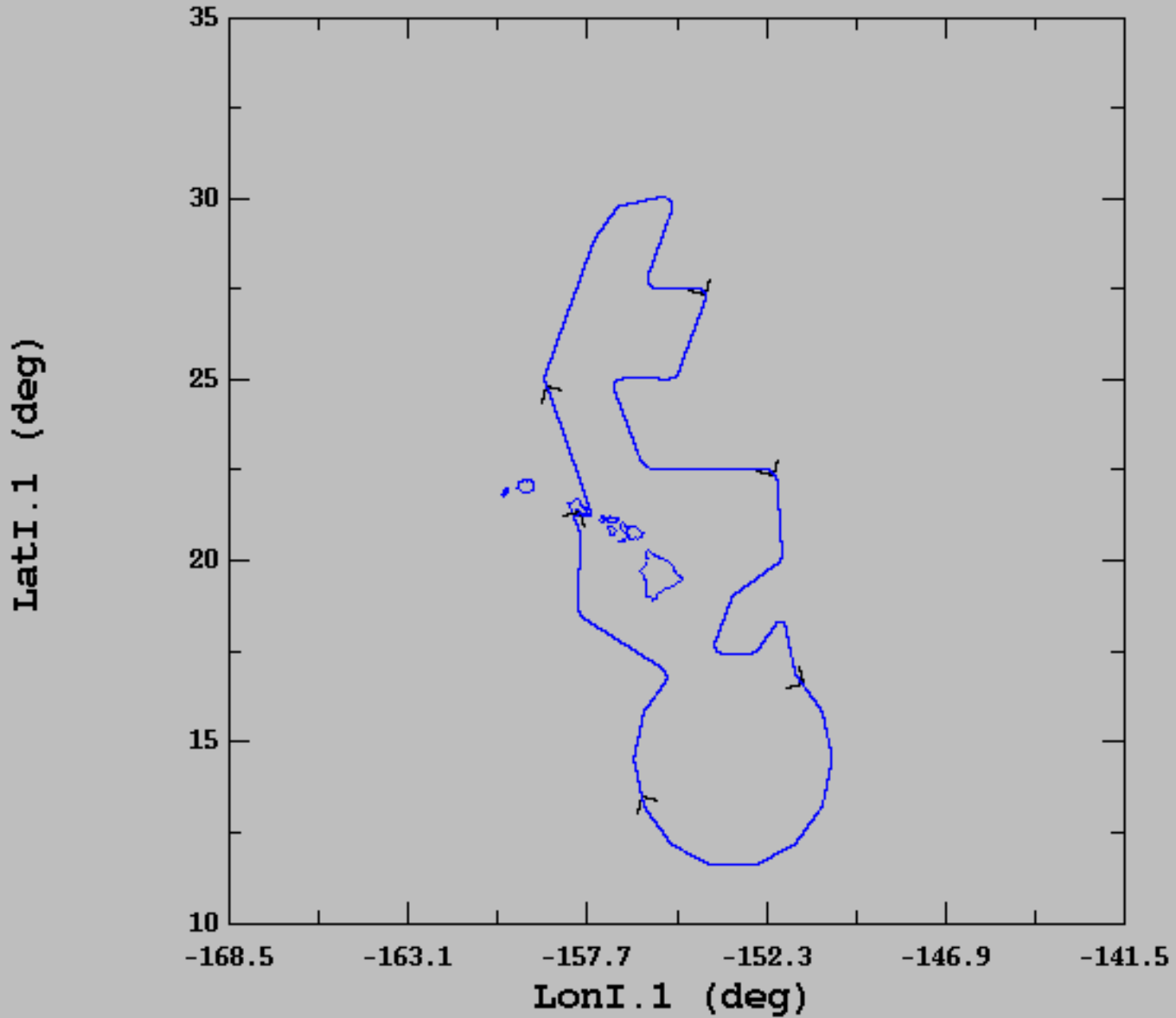
Storm/Track:

HURRICANE LANE SURV.

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	1	25131	1757			FFW BLW		1018.4			1		1847
2	2	25027	1818			"		1020.5			2		1902
3	3	55102	1838			"		1020.9			3		1911
4	4	35064	1851			"		1022.3			4		1921
5	5	35069	1911			"		1021.5			1		1934
6	6	15263	1923			"		1021.0			2		2002
7	7	35263	1945			"		1019.7			3		2003
8	8	55293	2002			"		1019.1			4		2032
9	9	35024	2023			"		1016.7			1		2113
10	10	55177	2037			"		1017.1			2		2115
11	11	55034	2051			SCT BLW		1017.3			3		2125
12	12	15074	2113			BLW BLW		1015.3			4		2143
13	13	15120	2129			2VC BLW		1013.9			1		2225
14	14	35038	2143			"		1012.2			2		2227
15	15	35002	2153			"		1012.4			3		2235
16	16	55023	2202			"		1013.6			4		2238
17	17	15054	2216			"		1011.2			1		2240
18	18	25045	2228			"		1011.4			2	NEAR CONU	2332
19	19	15036	2239			"		1011.3			3		2335
20	20	---	2250	---	---	"	---	---	---	---	4	FAIL RATE	---
21	20	55274	2252			"		1008.8			1	BACK UP	2339
22	21	35034	2302	---	---	"	---	---	---	---	2	---	2341
23	21	35036	2304	---	---	"		1009.2			3	BACK UP	2344
24	22	---	---	---	---	"		---		@ ESTIMABLE FR	4	TERM EARLY - DID NOT SERV	---
25	22	35028	2323			"		1007.8			1		2359
26	23	35010	2333			"		1008.6			2		0002
27	24	55188	2345			"		1007.6			3		0006
28	25	35043	2357			"		1004.4		FIXED SFC WINDS	4		0021
29	26	35260	0007			"		1008.9			1		0038
30	27	15061	0018			"		1010.2			2		0042
31	28	35106	0042			SCT BLW		1002.6		LAST REPORT	3		0001

2018-08-21, 16:27:53-25:16:08



	mean	sigma	min	max
— LatI.1 (deg), 1 s/sec	20.69	5.02	11.59	30.02
— LonI.1 (deg), 1 s/sec	-155.24	2.51	-158.96	-150.28
— LatI.1 (deg), 1 s/sec	20.69	5.02	11.59	30.02
— LonI.1 (deg), 1 s/sec	-155.24	2.51	-158.96	-150.28