



U.S. Dep't. of Commerce / OMAO / NOAA / Aircraft Operations Center

FLT ID: 20190905N1	From: PHNL	To: PHNL
FLT #:	Blk In: 0108 Z	Lnd Time: 0105 Z
ETD: 1730 Z	Blk Out: 1712 Z	T/O Time: 1724 Z
ETE:	Total Blk: 7.9h	Total Flt: <del>7.7h</del> 7.7h
Sponsoring Org: CPHC	Program: PHS	Purpose: Surveillance

AOC Flight Crew

Aircraft Commander: MOYERS	SSA: DEFFEO/MACALLISTER
Co-Pilot: COWAN /	AVAPS: SMITH / PATEL
Navigator: /	Scientists:
Flight Eng: /	Scientists:
Flt Director: MORGAN / HENNING	Scientists:
SEB: / /	Scientists:

Crew Chief: \_\_\_\_\_ Visitors: /

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1012.9mb	1013.4 <del>1013.5</del> PHNL	1010.9	1010.7 29.86 31C

AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH		
SCIENCE MISSION WITHIN BOUNDARY LAYER		
LACK OF PRECIPITATION		
RELATIVE HUMIDITY AT OR ABOVE 80%		
LARGE AIR-SEA TEMPERATURE GRADIENT		
HIGH SURFACE WINDS		
LONG FETCH AND/OR DURATION OF SFC WIND		
SEA SALT ACCRETION FORECAST		
SEA SALT ACCRETION OBSERVED		

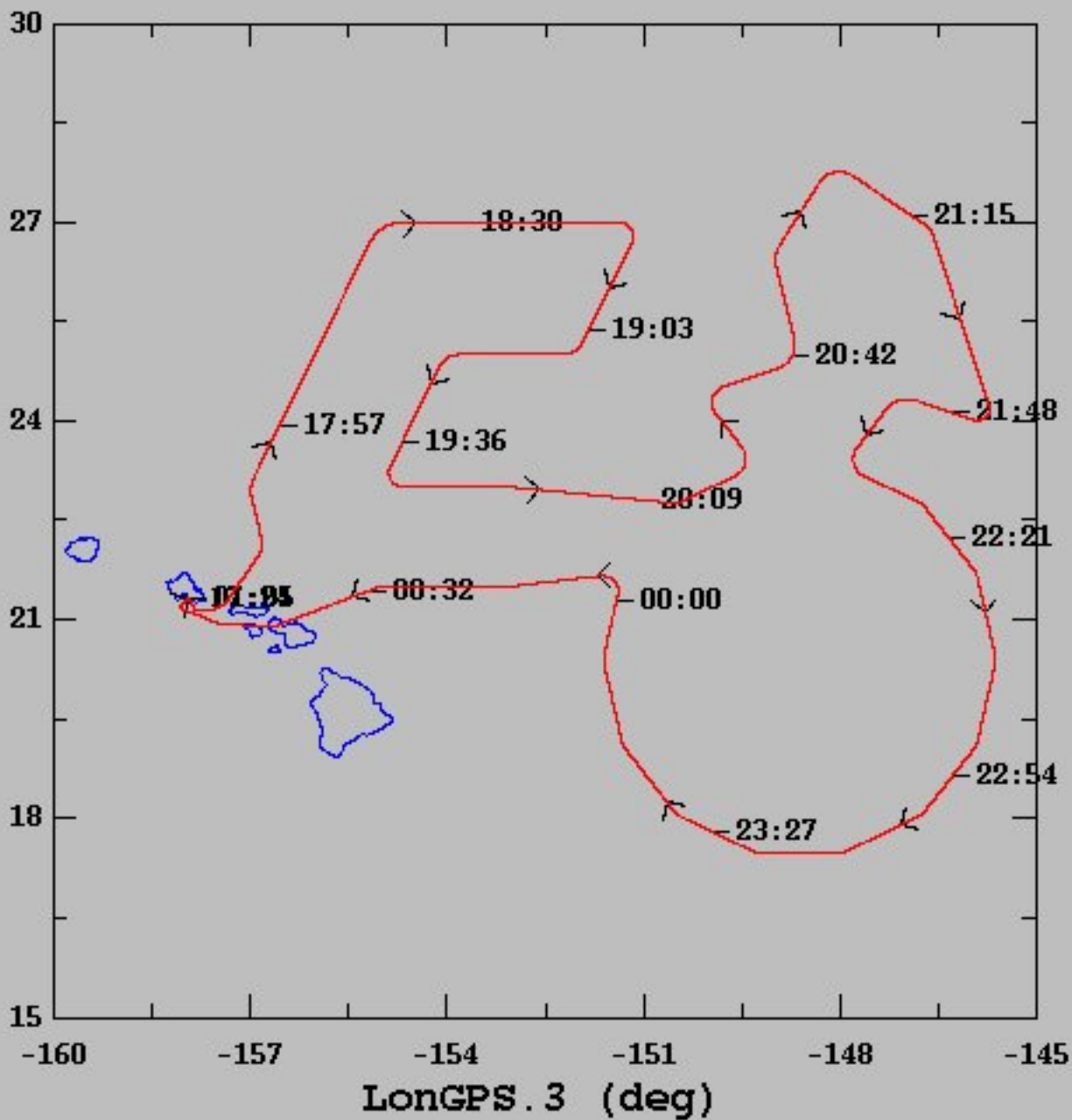
Drosondes	34	Good: 33	Bad: 1	Sent: 33
AXBT		Good:	Bad:	Sent:

List other data sources in Remarks section

Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	VDM Ob Num	Fix Time / SLP
Storm Number Identifier (VDM): (ie: AL072012)			
TCPOD/WSPOD Mission ID: NOAA ORIG NORMAN (ie: NOAA2 2418A SANDY)			

Remarks:

09/05/2018, 17:24:11-25:05:59



## APPENDIX 2 – GIV QC Checklist

PSM.2 ref

Flight ID:	20180905N1
Flight Director(s):	HENNING/MORGAN

Pressure Comparison		
	T/O	Land
Aircraft	1012.9	1010.9
Tower	1013.4	1010.7

UWZ.d mean:  $-3.10$  from raw AC.nc  
 $+0.02$  from AC.nc file  
*after post processing*

	Raw 1Hz Meas 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 type="checkbox"/>	Miscellaneous FD notes

**NOTES:**

Drop #	CH	TIME	Sonde Serial #	OBS #	Lat	Long	SFC Pressure	SFC or Last Wind	500 mb	250 mb	Status	KWBC Time	Comments
1	1	1749	0769	1	23.0	157.0	1014.4	075/11kt	587	092	P S F	051856	
2	2	1806	0228	2	25.0	156.0	1015.8	070/11	587	089	P S F	051856	
3	3	1822	2252	3	26.9	154.9	1017.5	14m 075/15	587	086	P S F	051852	
4	4	1835	0132	4	27.0	153.0	1017.4	085/20	587	087	P S F	051907	
5	1	1849	0227	5	24.8	151.1	1017.0	090/22	587	088	P S F	051913	
6	2	1907	0715	6	25.0	152.1	1015.6	055/17	588	091	P S F	051924	
7	3	1923	0071	7	24.9	154.0	1015.6	040/12	588	090	P S F	051941	
8	4	1943	0342	8	23.0	154.6	1014.2	050/19	587	093	P S F	052006	
9	1	1957	0029	9	23.0	152.7	1014.0	13m 055/22	588	095	P S F	052020	
10	<del>2</del>			10		BAD	RH/Temp				P S F		
11	3	2014	7041	10	22.8	150.3	1012.7	050/22	587	097	P S F	052040	
12	4	2022	0443	11	23.4	149.2	1012.6	065/21	587	096	P S F	052049	kept flagged surf winds
13	1	2033	0035	12	24.5	149.6	1013.6	065/21	587	094	P S F	052057	
14	2	2042	0192	13	25.1	148.7	1015.2	040/16	587	094	P S F	052106	
15	3	2054	0618	14	26.5	149.0	1016.8	065/16	588	092	P S F	052116	kept flagged surf winds
16	4	2106	0487	15	27.9	148.0	1016.6	050/11	587	089	P S F	052140	
17	1	2118	0177	16	26.9	146.6	1016.5	050/14	588	093	P S F	052144	
18	2	2131	0777	17	25.4	146.1	1014.2	080/20	587	095	P S F	052219	kept SFC RH
19	3	2144	0027	18	23.9	145.6	1013.5	065/20	587	097	P S F	052222	
20	4	2155	0088	19	24.4	147.1	1012.4	065/21	586	095	P S F	052223	
21	1	2206	0884	20	23.3	147.9	1012.2	13m 110/11	586	096	P S F	052242	970.50 override for WIND winds
22	2	2215	0013	21	22.7	146.7	1011.4	075/23	587	097	P S F	052247	
23	3	2226	0638	22	21.7	145.9	1009.6	095/22	586	097	P S F	052249	
24	4	2238	0997	23	20.4	145.6	1008.6	110/26	586	096	P S F	052312	
25	1	2249	0764	24	19.1	145.9	1007.1	130/19	585	096	P S F	052317	set keep attribute
26	2	2300	0571	25	18.1	146.7	1006.8	180/16	585	096	P S F	052320	bad wind 1003.75
27	3	2310	0081	26	17.5	147.9	1005.6	230/18	584	096	P S F	052344	
28	4	2321	0105	27	17.5	149.3	1006.4	275/13	585	096	P S F	052347	
29	1	2331	0462	28	18.1	150.5	1006.2	335/15	584	096	P S F	052353	
30	2	2342	0424	29	19.1	151.3	1007.2	005/23	585	096	P S F	060010	
31	3	2352	0025	30	20.4	151.6	1008.2	030/23	585	096	P S F	060013	
32	4	0003	0887	31	21.7	151.3	1009.2	035/25	585	096	P S F	060025	
33	1	0015	0128	32	21.5	153	1009.1	030/23	584	094	P S F	060035	
34	2	0027	LAST	33	21.5	155	1010.7	035/15	586	094	P S F	060049	LAST APT
35											P S F		
36											P S F		