

N49RF ERROR SUMMARY
20190530N1

Flight ID: 20190530N1

Sensor or System -----	Number or Name -----
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.4
Dewpoint Temp. Probe	TDM.1
Vertical Accelerometer	AccZI.2
Altimeter	AltGPS.2
INE Selection	2
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/2019/MET/20190530N1

Local Met Data	Takeoff PHNL (1553Z)	Landing PHNL (2040Z)
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.

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

TTM.2 unavailable. Wind quantities unreliable.

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: Carpenter

Phone #: 863-500-3901

ACAT-4 Version = 7.2.2

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center												
FLT ID:		20190530N1			From:		PHNL		To:		PHNL	
FLT #:					Blk In (Z):		20:44		Land (Z):		20:40	
ETD (Z):		16:00			Blk Out (Z):		15:43		T/O (Z):		15:54	
ETE:		6.6			Total Blk:		5.0		Total Flt:		4.8	
Spns Org:		NGS			Program:		PGR		Purpose:		GRAVD FP206 (partial)	
AOC Flight Crew												
Aircraft Commander:					Mansour			SSA:		Defeo		
SIC:					Fritzler			AVAPS:				
Navigator:								Scientist:		Dahlberg		
Flight Eng:								Scientist:				
Flt Director:					Carpenter			Scientist:				
SEB:								Scientist:				
Crew Chief:						Visitors:						
Pressure	A/C - Takeoff			Wx Station - Takeoff			A/C - Land			Wx Station - Land		
	1015.7			PHNL 1553Z 1015.1			1017.1			PHNL 2040Z 1016.8		
AS REQUIRED BY ORM				YES	NO	REMARKS						
VOLCANIC ASH					X							
SCIENCE MISSION WITHIN BOUNDARY LAYER					X	Peak PBL depth estimated 2000m / 6500ft						
LACK OF PRECIPITATION					X							
RELATIVE HUMIDITY AT OR ABOVE 80%					X							
LARGE AIR-SEA TEMPERATURE GRADIENT					X							
HIGH SURFACE WINDS					X							
LONG FETCH AND/OR DURATION OF SFC WIND					X							
SEA SALT ACCRETION FORECAST					X							
SEA SALT ACCRETION OBSERVED					X							
Dropsondes		0		Good:		-	Bad:		-	Sent:		-
AXBT		0		Good:		-	Bad:		-	Sent:		-
List other data sources in Remarks section										VDM		
Remarks (Storm VDM Identifier, Mission ID, Fix Times)								Fix #	Ob Num	Fix Time / SLP		
Storm Number Identifier (VDM): (ie: AL072012)												
TCPOD/WSPOD Mission ID: (ie: NOAA2 2418A SANDY)												
Remarks:												

G-IV QC Checklist

Flight ID:	20190530N1
Flight Director(s)	Carpenter
UWZ.d mean:	-0.33 post-processing

Pressure Comparison		
	T/O	Land
Aircraft	1015.7	1017.1
Tower	PHNL 1553Z 1015.1	PHNL 2040Z 1016.8

	Raw 1Hz Mean File Parameters					C File Parameters	
✓ Accelerometer	✓ AccAXI.1	✓ AccAYI.1	✓ AccAZI.1			✓ AccZref	
	✓ AccAXI.2	✓ AccAYI.2	✓ AccAZI.2				
	✓ AccAXI.3	✓ AccAYI.3	✓ AccAZI.3				
✓ 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	
✓ Ground Speed	✓ GsXI.1	✓ GsYI.1	✓ GsZI.1	✓ GsGPS.1		✓ GSXref	
	✓ GsXI.2	✓ GsYI.2	✓ GsZI.2	✓ GsGPS.2		✓ GSYref	
	✓ GsXI.3	✓ GsYI.3	✓ GsZI.3	X GsGPS.3		✓ GSZref	
	✓ GsXGPS.1	✓ GsYGPS.1	✓ GsZGPS.1				
	✓ GsXGPS.2	✓ GsYGPS.2	✓ GsZGPS.2				
	X GsXGPS.3	X GsYGPS.3	X GsZGPS.3				
✓ Lat / Lon	✓ LatGPS.1	✓ LatI.1	✓ LonGPS.1	✓ LonI.1		✓ LATref	
	✓ LatGPS.2	✓ LatI.2	✓ LonGPS.2	✓ LonI.2		✓ LONref	
	✓ LatGPS.3		✓ LonGPS.3				
✓ Pressure	✓ PDALPHA.1	✓ PQALPHA.1	✓ PQM.1	✓ PSM.1		✓ PDLAPHaref	✓ PQMref
	✓ PDALPHA.2	✓ PQALPHA.2	✓ PQM.2	✓ PSM.2		✓ PDBETAref	✓ PQ.c
	✓ PDBETA.1	✓ PQBETA.1				✓ PQALPHAref	✓ PSMref
	✓ PDBETA.2	✓ PQBETA.2				✓ PQBETAref	✓ PS.c
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1				✓ IAS.d	✓ TAS.d
✓ 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			
✓ Temp / Dewpt	✓ TTM.1	✓ TTM.4	✓ TDM.1			✓ TD.c	✓ TTMref
	X TTM.2		✓ TDM.2			✓ TDMref	✓ TA.d
	✓ TTM.3						
✓ Misc. (Must check)						✓ UWZ.d	✓ WS.d
						✓ DPJ_WSZ	✓ WD.d
						✓ HUM	

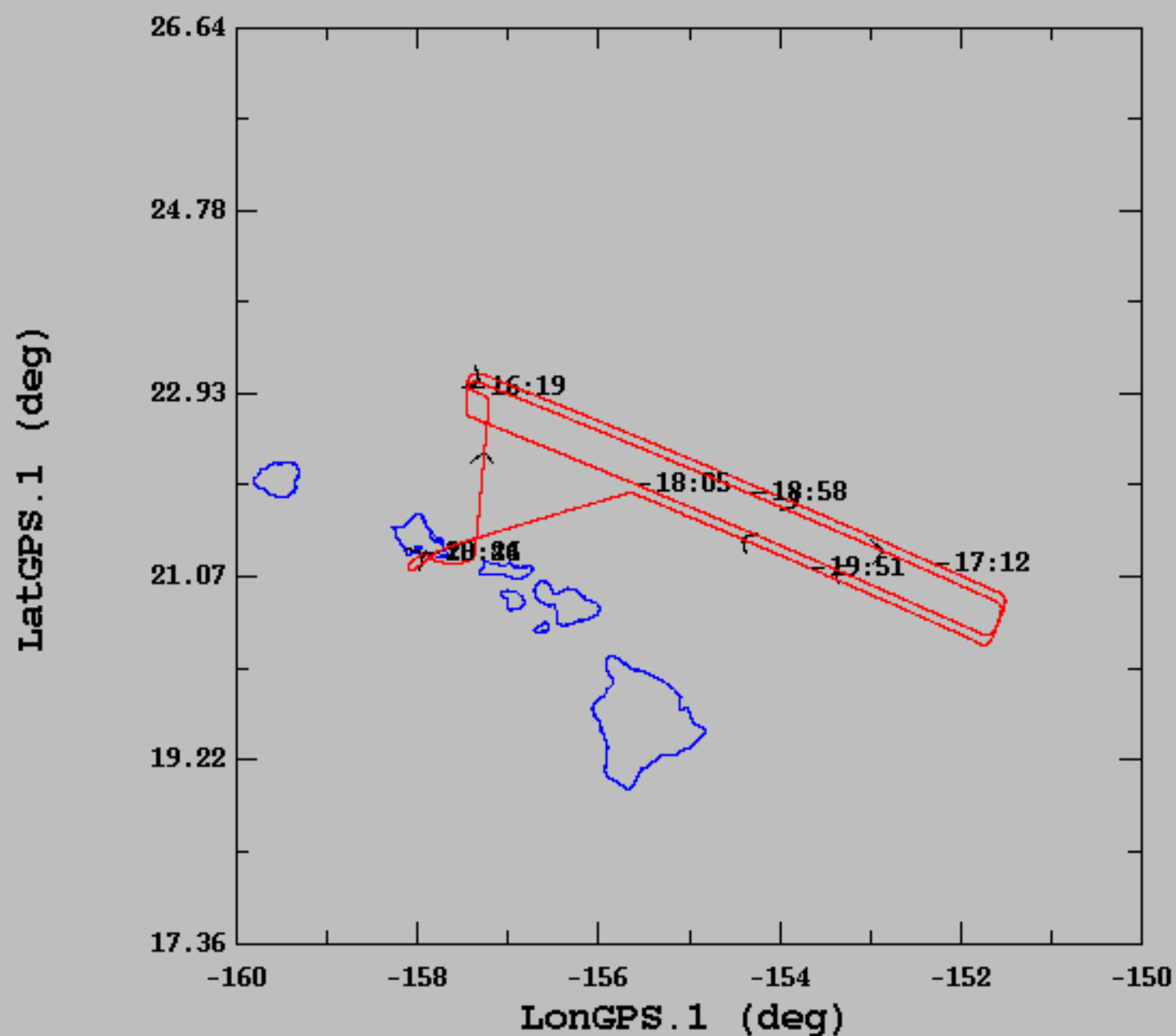
FLID_Mission_Documents.pdf:
✓ Error Summary
✓ Crew Manifest
✓ QC Checklist
X Dropwindsonde Log(s) - AVAPS and FD if completed
✓ Flight Track
X Miscellaneous FD Notes

QC Key	
Not checked	☐
Valid	☒
Errors (note)	X

NOTES:

TTM.2 unavailable.
Wind quantities unreliable.

2019-05-30, 15:26:35-20:44:08



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	21.67	0.67	20.38	23.13
LongGPS.1 (deg), 1 s/sec	-155.15	2.07	-158.09	-151.50