

N49RF ERROR SUMMARY
20170921N1

Flight ID: 20170921N1

Sensor or System -----	Number or Name -----
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.1
Dewpoint Temp. Probe	TDM.1
Vertical Accelerometer	AccZI.1
Altimeter	AltGPS.3
INE Selection	1
Differential Attack Pressure Probe	PDALPHA.1
Differential Sideslip Pressure Probe	PDBETA.1
Dynamic Attack Pressure Probe	PQALPHA.1
Dynamic Sideslip Pressure Probe	PQBETA.1
Flight Directory	acdata/2017/MET/20170921N1
Local Met Data	Takeoff TBPB (1625Z) Landing KTPA (2016Z)
Dynamic Corrections	Yes
AttackAngleIntercept	5.1083
AttackAngleSlope	5.91956
SlipAngleIntercept	1.05
SlipAngleSlope	6.80484
AttackAngleIntercept2	5.05312
AttackAngleSlope2	5.74156
SlipAngleIntercept2	0.8
SlipAngleSlope2	6.89644

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.

PSM.2 about 2mb higher than PSM.1 (reference) and TDM.2 about 11-28C lower than TDM.1 (reference).

Flight continued to KLAL without data system turned on.

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: Belson/Henning
Phone #: 863-500-3981

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

FLT ID: 20170921N1	From: TBPB	KTPA	To: KTPA	KLAL
FLT #: 1645	Blk In: 2044	Z 2148	Lnd Time: 2035	Z 2143
ETD: 1645	Z	Blk Out: 1636	Z 2127	T/O Time: 1644
Z		Z	Z 2134	
ETE: 4.0	Total Blk: 4.1	0.4	Total Flt: 3.8	0.2
Sponsoring Org: NHC	Program: Hurr. Surveillance		Purpose: Repo to KLAL	

AOC Flight Crew

Aircraft Commander:	SSA:
Co-Pilot: /	AVAPS: /
Navigator: /	Scientists:
Flight Eng: /	Scientists
Flt Director: /	Scientists
SEB: / /	Scientists:
Crew Chief:	Visitors: / /

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure				

AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH	X	
SCIENCE MISSION WITHIN BOUNDARY LAYER	X	
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	Good: 0	Bad: 0	Sent: 0
AXBT	Good: 0	Bad: 0	Sent: 0

<small>List other data sources in Remarks section</small>			
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: (ie: NOAA2 2418A SANDY)			

Remarks:

APPENDIX 2 – GIV QC Checklist

Flight ID:	20170921N1
Flight Director(s):	Belson/Henning

Pressure Comparison		
	T/O	Land
Aircraft		
Tower	1006.3	1008.3

UWZ.d mean: _____

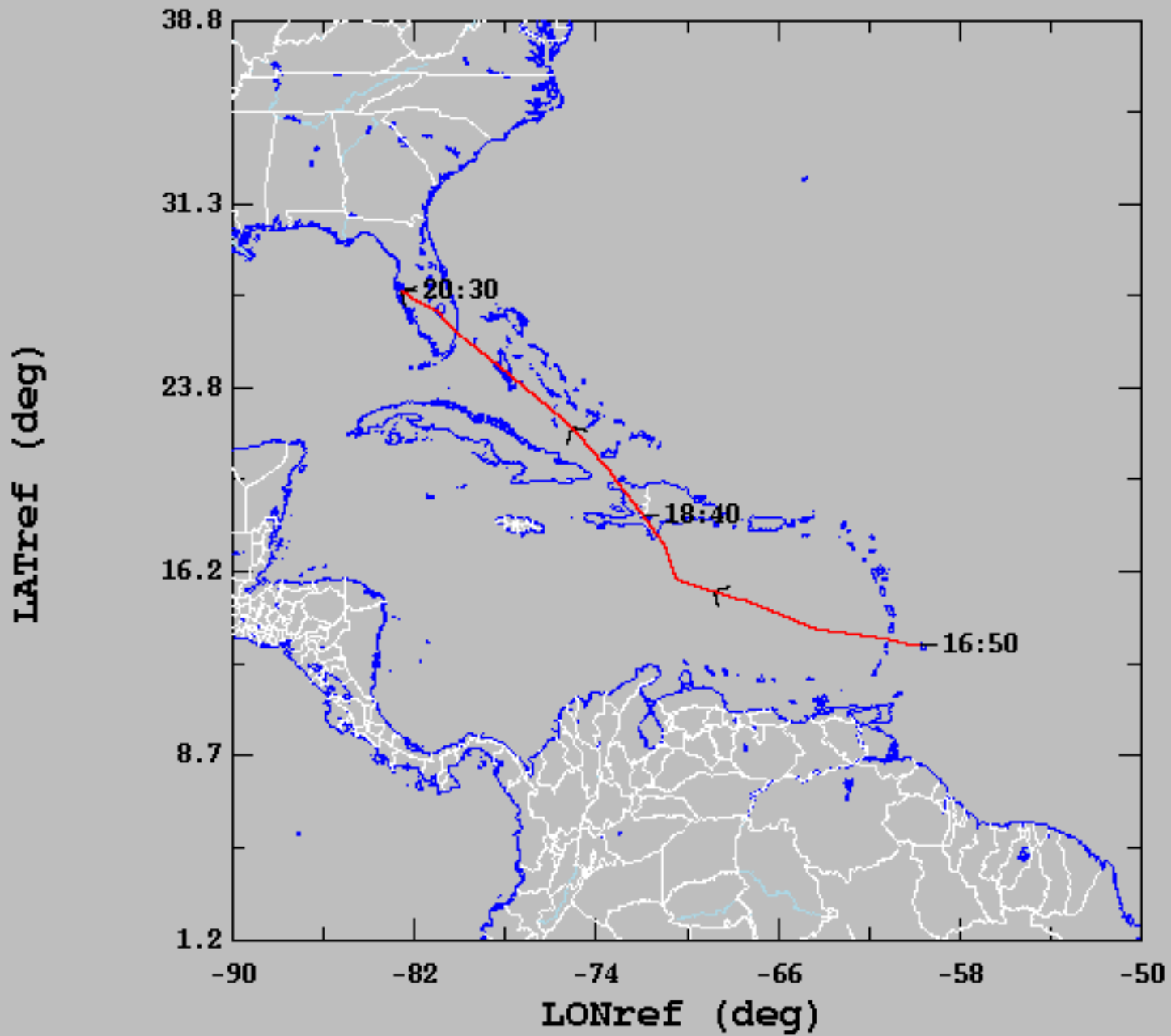
	Raw 1Hz Mean File Parameters				C File Parameters	
x Accelerometer	x AccAXI.1	x AccAYI.1	x AccAZI.1		x AccZref	
	x AccAXI.2	x AccAYI.2	x AccAZI.2			
	x AccAXI.3	x AccAYI.3	x AccAZI.3			
x Altitude	x AltGPS.1	x AltI.1	x AltPaADDU.1	x AltBCADDU.1	x ALTref	
	x AltGPS.2	x AltI.2	x AltPaADDU.2	x AltBCADDU.2	x ALTPA.d	
	x AltGPS.3	x AltI.3	x AltRA.1		x ALTGA.d	
x Ground Speed	o GsXI-GPS.1	x GsXI.1	x GsGPS.1	x GsXGPS.1	x GSXref	
	o GsXI-GPS.2	x GsXI.2	x GsGPS.2	x GsXGPS.2	x GSYref	
	o GsYI-GPS.1	x GsYI.1		x GsYGPS.1	x GSZref	
	o GsYI-GPS.2	x GsYI.2	x GsZI.1	x GsYGPS.2		
	o GsZI-GPS.1	x GsYI.3	x GsZI.2	x GsZGPS.1		
	o GsZI-GPS.2		x GsZI.3	x GsZGPS.2		
x Lat/Lon	x LatGPS.1	x LatI.1	x LonGPS.1	x LonI.1	LATref	
	x LatGPS.2	x LatI.2	x LonGPS.2	x LonI.2	LONref	
	x LatGPS.3		x LonGPS.3			
x Pressure	x PDALPHA.1	x PQALPHA.1	x PQM.1	x PSM.1	x PDALPHAref	x PQMref
	x PDALPHA.2	x PQALPHA.2	x PQM.2	x PSM.2	x PDBETAref	x PQ.c
	x PDBETA.1	x PQBETA.1			x PQALPHAref	x PSMref
	x PDBETA.2	x PQBETA.2			x PQBETAref	x PS.c
x Air Speed	x CasADDU.1	x TasADDU.1	o IasADDU.1		x IAS.d	x TAS.d
x Pitch/Roll	x PitchI.1	x PitchRateI.1	x RollI.1	x RollRateI.1	x PITCHref	
	x PitchI.2	x PitchRateI.2	x RollI.2	x RollRateI.2	x ROLLref	
	x PitchI.3	x PitchRateI.3	x RollI.3	x RollRateI.3		
x Temp/Dewpt	x TTM.1	x TTM.4	x TDM.1		x TD.c	x TTMref
	o TTM.2		e TDM.2		x TDMref	x TA.d
	x TTM.3					
x Miscellaneous (must check)					x UWZ.d	x WS.d
					x DPJ_WSZ	x WD.d
					HUM	

FLID_Mission_Documents.pdf:

X	Error Summary
X	Crew Manifest
X	QC checklist
X	Dropwindsonde Log(s) – AVAPS and FD if completed
X	Flight Track
X	Miscellaneous FD notes

NOTES:

2017-09-21, 16:50:00-20:30:00



	mean	sigma	min	max
— LATref (deg), 1 s/sec	19.29	4.83	13.21	27.75
— LONref (deg), 1 s/sec	-71.72	6.47	-82.57	-59.67