

N49RF ERROR SUMMARY
HURRICANE FLORENCE MISSION 1206A

Flight ID: 20180912N2

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.2
Differential Sideslip Pressure Probe	PDBETA.2
Dynamic Attack Pressure Probe	PQALPHA.2
Dynamic Sideslip Pressure Probe	PQBETA.2

Flight Directory acdata/2018/MET/20180912N2

Local Met Data	Takeoff KLAL (1717Z)	Landing KLAL (0102Z)
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.

Flight level wind and dew point data suspect

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	37	37	37
Test sondes	0	0	0
AXBTs	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Flaherty
Phone #: (863) 500-3980

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

FLT ID: 2018091202	From: KLAL	To: KLAL
FLT #:	Blk In: 0109 Z	Lnd Time: 0109 Z
ETD: 1730 Z	Blk Out: 1707 Z	T/O Time: 1717 Z
ETE: 8:5 Hrs	Total Blk: 8+0 (8.0)	Total Flt: 7+45 (7.8)
Sponsoring Org: NOAA NHC	Program: HURR 18 SURV.	Purpose: HURRICANE FLORENCE

170
7.8

AOC Flight Crew

Aircraft Commander: <u>TUNING</u>	SSA: <u>NAEHER</u>
Co-Pilot: <u>WADINGTON</u> / <u>FRITZLER</u>	AVAPS: <u>SMITH, J</u> / <u>PATEL</u>
Navigator: /	Scientists:
Flight Eng: /	Scientists
Flt Director: <u>FRANKERTY</u> / <u>PARRISH</u>	Scientists
SEB: <u>McALISTER</u> /	Scientists:
Crew Chief:	Visitors: <u>POWELL</u> /

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1011.6	30.00 30.02 31c	1010.3	29.97 28c

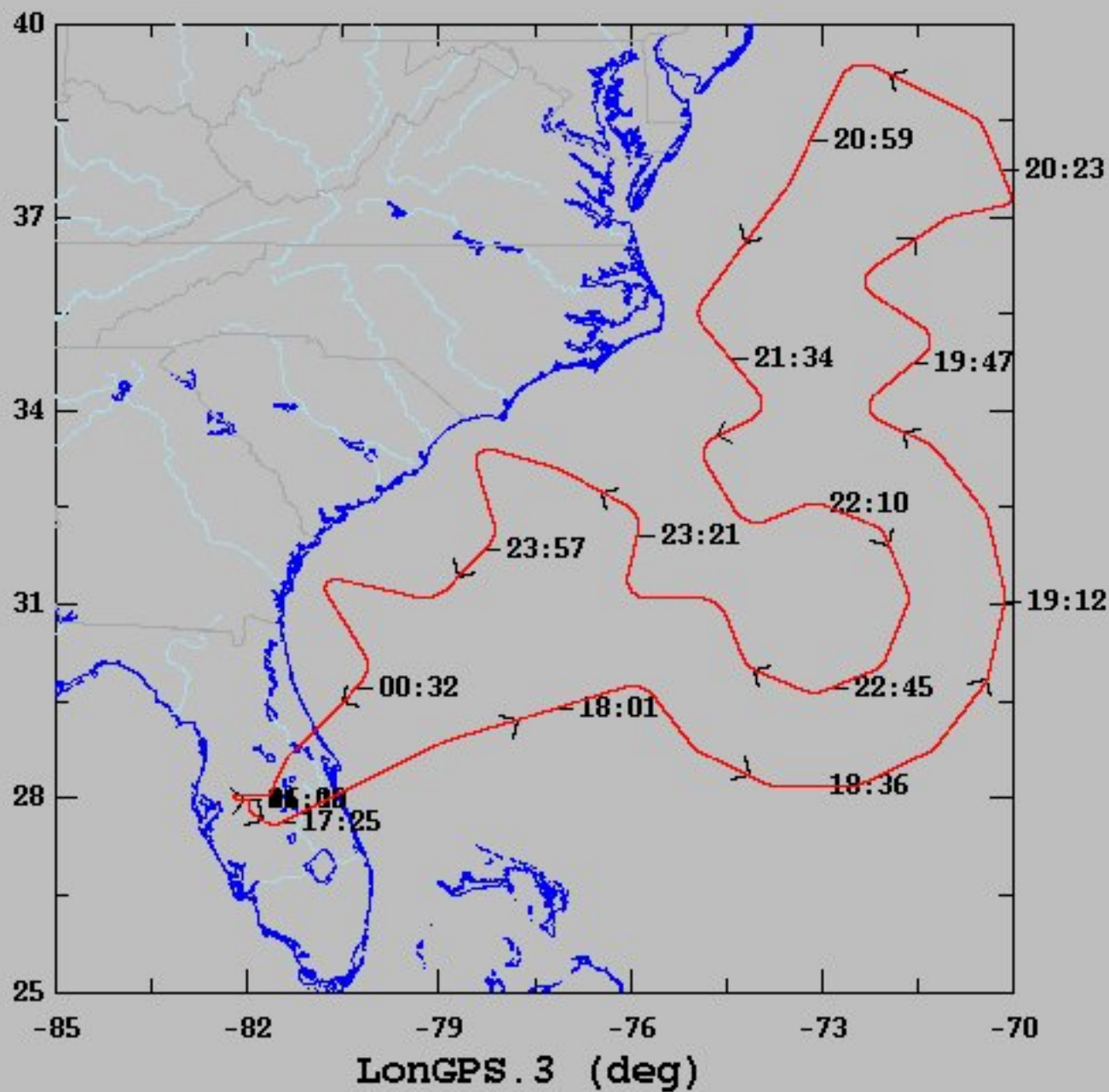
AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH	<input checked="" type="checkbox"/>	
SCIENCE MISSION WITHIN BOUNDARY LAYER	<input checked="" type="checkbox"/>	
LACK OF PRECIPITATION	<input checked="" type="checkbox"/>	
RELATIVE HUMIDITY AT OR ABOVE 80%	<input checked="" type="checkbox"/>	
LARGE AIR-SEA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

Dropsondes	Good: 37	Bad: 0	Sent: 37
AXBT	Good:	Bad:	Sent:

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: <u>NOAA9 1206A FLORENCE</u> (ie: NOAA2 2418A SANDY)			

Remarks:
 VERT WIND SPEEDS
 HEAVY ON THE
 NEGATIVE SIDE

2018-09-12, 16:49:48-25:08:16



APPENDIX 2 – GIV QC Checklist

PSM # 2

Flight ID:	20180912N2
Flight Director(s):	Flaherty/Parrish

Pressure Comparison		
	T/O	Land
Aircraft	1011.6	1010.3
Tower	1011.7	1009.7

UWZ.d mean: *greater than -3.0 from raw A.nc*
-0.01 after post-processing

	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-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		
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	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
Air Speed	CasADDU.1	TasADDU.1	IasADDU.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.11	TDM.1		TD.c	TTMref
	TTM.2	TTM.13	TDM.2		TDMref	TA.d
	TTM.3	TTM.4	TDM.11			
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 type="checkbox"/>	Dropwindsonde Log(s) – AVAPS and FD if completed (MISSING)
<input type="checkbox"/>	Miscellaneous FD notes

NOTES: