

N42RF ERROR SUMMARY
20180909H1

Flight ID: 20180909H1

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.2
Vertical Accelerometer	AccZfilterI-GPS.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/2018/MET/20180909H1

Local Met Data	Takeoff TXKF (1141Z)	Landing TXKF (1959Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.31252
AttackAngleSlope		6.06758
SlipAngleIntercept		0.4295
SlipAngleSlope		7.17033

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.

PDAlpha.2 Inop and PQM.1 failed after 1840Z. Neither of these parameters affected the real-time or post processed datasets as neither were selected as the source.

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	24	24	24
Test sondes	0	0	0
AXBTS	8	6	6
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Holmes
Phone #: 863-500-3983

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
FLT ID:	20180909H1	FLT #:	3	AC:	Kibbey	Scientists:		Pressure		Dropsondes		
From:	TXKF	ETD:	1200Z	CP(s):	Abitbol	Paul Change (NESDIS) Zorana Jelenak (NESDIS) Joe Sapp (NESDIS) Jon Zawislak (HRD) Paul Reasor (HRD) Heather Holbach (HRD)	A/C Takeoff		Good	Bad	Sent	
To:	TXKF	ETA:	1800Z		Rossi				24	0	24	
Block Time		Flight Time		Nav(s):	Urato		Wx Station Takeoff		BTs			
In:	2005	In:	1959		Richards		A/C Land		Good	Bad	Sent	
Out:	1135	Out:	1141	FE(s):	Darby				6	2	6	
					Lalonde	Wx Station Land						
Total:	8.5	Total:	8.3	FD(s):	Holmes	Visitors:		Storm Number ID:		AL062018		
Sponsoring Org:		NESDIS / HRD / NWS		SEB:	Greene			(ie: AL072012)				
Program:		PHX		SSA:	Mascaro			TCPOD/WSPOD Mission		WB06A FLORENCE		
Purpose:		FLORENCE (Hurricane)		AVAPS:	Underwood			(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM			Y	N	REMARKS			Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH				X				1	1	1413	985	
SCIENCE MISSION WITHIN BDRY LAYER				X				2	2	1521	984	
LACK OF PRECIPITATION				X				3	3	1636	980	
RELATIVE HUMIDITY ≥ 80%			X		5 x Hurricane Penny's			4	NO WDM		980	
LARGE AIR-SEA TEMP GRADIENT				X				5	NO WDM			
HIGH SURFACE WINDS			X									
LONG FETCH / DURATION OF SFC WND			X									
SEA SALT ACCRETION FORECAST				X								
SEA SALT ACCRETION OBSERVED				X								

Additional Remarks:

Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

APPENDIX 1 – P3 QC Checklist

Flight ID:	20180909H1
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	1012	1011
Tower	✓	✓

UWZ.d mean: 0.08 m/s

	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	✓ AccAXI.1	✓ AccAYI.1	✓ AccAZI.1	✓ AccZfilter-GPS.1	✓ AccZref	
	✓ AccAXI.2	✓ AccAYI.2	✓ AccAZI.2	✓ Acc-Zfilter-GPS.2		
	✓ AccAXI-GPS.1	✓ AccAYI-GPS.1	✓ AccAZI-GPS.1			
	✓ AccAXI-GPS.2	✓ AccAYI-GPS.2	✓ AccAZI-GPS.2			
✓ Altitude	✓ AltGPS.1	✓ AltI-GPS.1	✓ AltPaADDU.1	✓ AltRA.1	✓ ALTref	✓ AltBA1.c
	✓ AltGPS.2	✓ AltI-GPS.2	✓ AltBCADDU.1	✓ AltRA.2	✓ ALTPA.d	✓ AltRA2.c
	✓ AltGPS.3				✓ ALTGA.d	
	✓ AltGPS.4					
✓ Ground Speed	✓ GsXI-GPS.1	✓ GsYI-GPS.1	✓ GsZI-GPS.1		✓ GSXref	
	✓ GsXI-GPS.2	✓ GsYI-GPS.2	✓ GsZI-GPS.2		✓ GSYref	
					✓ GSZref	
✓ Lat/Lon	✓ LatGPS.1	✓ Lati-GPS.1	✓ LonGPS.1	✓ Loni-GPS.1	✓ LATref	
	✓ LatGPS.2	✓ Lati-GPS.2	✓ LonGPS.2	✓ Loni-GPS.2	✓ LONref	
	✓ LatGPS.3		✓ LonGPS.3			
	✓ LatGPS.4		✓ LatGPS.4			
✓ Pressure	✓ PDALPHA.1	✓ PQALPHA.1	✓ PQM.1	✓ PSM.1	✓ PDALPHAref	✓ PQMref
	✓ PDALPHA.2	✓ PQBETA.1	✓ PQM.2	✓ PSM.2	✓ PDBETAref	✓ PQ.c
	✓ PDBETA.1		✓ PQM.3	✓ PTM.1	✓ PQALPHAref	✓ PSMref
	✓ PDBETA.2		✓ PQM.4		✓ 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	✓ TDM.1	✓ TRadD.1		✓ TD.c	✓ TTMref
	✓ TTM.2	✓ TDM.2	✓ TRadS.1		✓ TDMref	✓ TA.d
	✓ TTM.3	✓ TDM.3	✓ TRadU.1			
✓ Miscellaneous (must check)					✓ UWZ.d	✓ WS.d
					✓ DPJ_WSZ	✓ WD.d
					✓ HUM	

FLID_Mission_Documents.pdf:

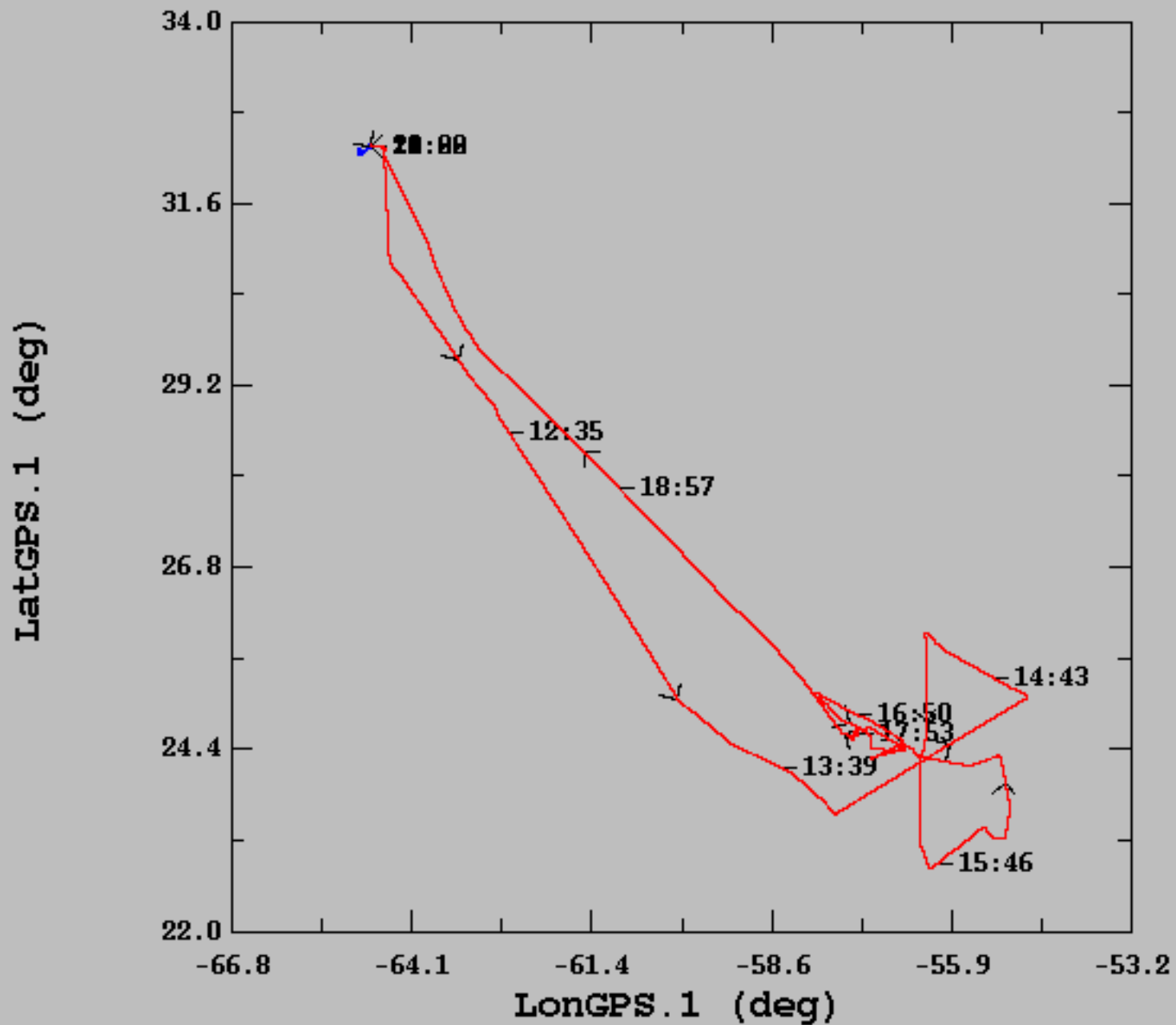
Error Summary
Crew Manifest
QC checklist
Dropwindsonde Log(s) – AVAPS and FD if completed
Flight Track
Miscellaneous FD notes

NOTES:

PDAlpha.2 inop
 PQM.1 failed after 1340z

20180909H1 Flight Track

09/09/2018, 10:28:41-20:00:55



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	26.99	3.19	22.83	32.37
LongGPS.1 (deg), 1 s/sec	-59.66	3.45	-64.69	-54.77

