

N42RF ERROR SUMMARY
SFMR Calibration / RD-41 Dropsonde test

Flight ID: 20171011H1

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	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/2017/MET/20171011H1

Local Met Data	Takeoff KLAL (2202Z)	Landing KLAL (0157Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.35256
AttackAngleSlope		6.11627
SlipAngleIntercept		0.23
SlipAngleSlope		6.9614

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.

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	5	5	1
Test sondes	0	0	0
AXBTS	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Henning
Phone #: (863) 500-3982

ACAT-4 Version = 7.1

ALL 4 RD-41 good
 + 1 RD-94 conti (SENT) PSM/PHX

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
FLT ID:	20171011H1	FLT #:		AC:	Kahn	Scientists:		Pressure		Dropsondes		
From:	KLAL	ETD:	2100Z	CP(s):	Rossi			A/C Takeoff	1008.5	Good	Bad	Sent
To:	KLAL	ETA:	0200Z		Doremis			Wx Station Takeoff	29.96	5	0	1
Block Time		Flight Time		Nav(s):	Freeman			A/C Land	1010.2	Good	Bad	Sent
In:	0204	In:	0157	FE(s)	Hoystek Darby			Wx Station Land	30.02			
Out:	2151	Out:	2202	FD(s):	Henning	Visitors:		Storm Number ID: STA 1011.6				
Total:	4.3	Total:	3.9	SEB:				(ie: AL072012)				
Sponsoring Org:	AOC SEB / HRD			SSA:	Mascaro			TCPOD/WSPOD Mission				
Program:	Hurricane Season 2017			AVAPS:	Patel			(ie: NOAA2 2418A SANDY) NOAA2 WXWXA TRAIN				
Purpose:	SFMR Calibration			OBSERVATIONS								
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X							
SCIENCE MISSION WITHIN BDRY LAYER				X								
LACK OF PRECIPITATION				X								
RELATIVE HUMIDITY ≥ 80%				x								
LARGE AIR-SEA TEMP GRADIENT					X							
HIGH SURFACE WINDS					X							
LONG FETCH / DURATION OF SFC WND												
SEA SALT ACCRETION FORECAST					X							
SEA SALT ACCRETION OBSERVED												

Additional Remarks:

Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

Display APP
 SFMR T.6 are Th 6 and
 T.7 are Th 5
 counts
 295 28 25 84 20W
 NW 28 34 84 41W

APPENDIX 1 – P3 QC Checklist

Flight ID:	20171011H1
Flight Director(s):	MENNING

Pressure Comparison		
	T/O	Land
Aircraft	1008.5	1010.2
Tower	1009.6	1011.6

#2

UWZ.d mean: +0.09

		Raw 1Hz Mean File Parameters				C File Parameters	
x	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			
x	Altitude	AltGPS.1	AltI-GPS.1	AltPaADDU.1	AltRA.1	ALTref	AltRA1.c
		AltGPS.2	AltI-GPS.2	AltBCADDU.1	AltRA.2	ALTPA.d	AltRA2.c
		AltGPS.3				ALTGA.d	
		AltGPS.4					
x	Ground Speed	GsXI-GPS.1	GsYI-GPS.1	GsZI-GPS.1		GSXref	
		GsXI-GPS.2	GsYI-GPS.2	GsZI-GPS.2		GSYref	
						GSZref	
x	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			
x	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
x	Air Speed	CasADDU.1	TasADDU.1	IasADDU.1		IAS.d	TAS.d
x	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		
x	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			
x	Miscellaneous (must check)					UWZ.d	WS.d
						DPJ_WSZ	WD.d
						HUM	

FLID_Mission_Documents.pdf:

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

NOTES:

10/11/2017, 22:00:24-25:58:00

