

N42RF ERROR SUMMARY
20181009H1 Hurricane Michael Mission 0914A

Flight ID: 20181009H1

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/20181009H1

Local Met Data	Takeoff KLAL (0750Z)	Landing KLAL (1537Z)
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. Since PDAlpha.1 is reference source this had no impact on any met calculations.

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	31	30	30
Test sondes	0	0	0
AXBTs	16	16	16
AXCPs	2	2	2
AXCTDs	6	6	6
UAS	0	0	0

Flight Director: Sears
Phone #: (813) 765-4400

ACAT-4 Version = 7.2.2

NOAA Aircraft Operations Center - NOAA 49 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION						
FLT ID:	20181009h1		FLT #:			AC:	KIBBEY	Scientists:	Pressure		Dropsondes		
From:	KLAL		ETD:			CP(s):	KAHN	DE LA CRUZ	A/C Takeoff	1007.0	Good	Bad	Sent
To:	KLAL		ETA:				ABITBOL	ROGERS	Wx Station Takeoff	29.90 (1007.5)	31	1	30
Block Time		Flight Time		Nav(s):	RICHARDS	HAZELTON	SELLWOOD				BTs		
In:	1543		In:	1537		FE(s):	DARBY		A/C Land	1006.4	Good	Bad	Sent
Out:	742		Out:	750			LALONDE		Wx Station Land	30° (1007.9)	16	Ø	16
Total:	8		Total:	7.8		FD(s):	Sears	Visitors:					
Sponsoring Org:		EMC		SEB:	RICHARDS			Storm Number ID:					
Program:					PAUL			(ie: AL072012)					
Purpose:		H. MICHAEL		SSA:	PEEK			TCPOD/WSPOD Mission					
				AVAPS:				(ie: NOAA2 2418A SANDY)					
AS REQUIRED BY ORM				Y	N	REMARKS			Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X				#TOTAL				
SCIENCE MISSION WITHIN BDRY LAYER					X				5 TOTAL				
LACK OF PRECIPITATION					X								
RELATIVE HUMIDITY ≥ 80%				X									
LARGE AIR-SEA TEMP GRADIENT					X								
HIGH SURFACE WINDS				X									
LONG FETCH / DURATION OF SFC WND					X								
SEA SALT ACCRETION FORECAST					X								
SEA SALT ACCRETION OBSERVED					X								

Additional Remarks:

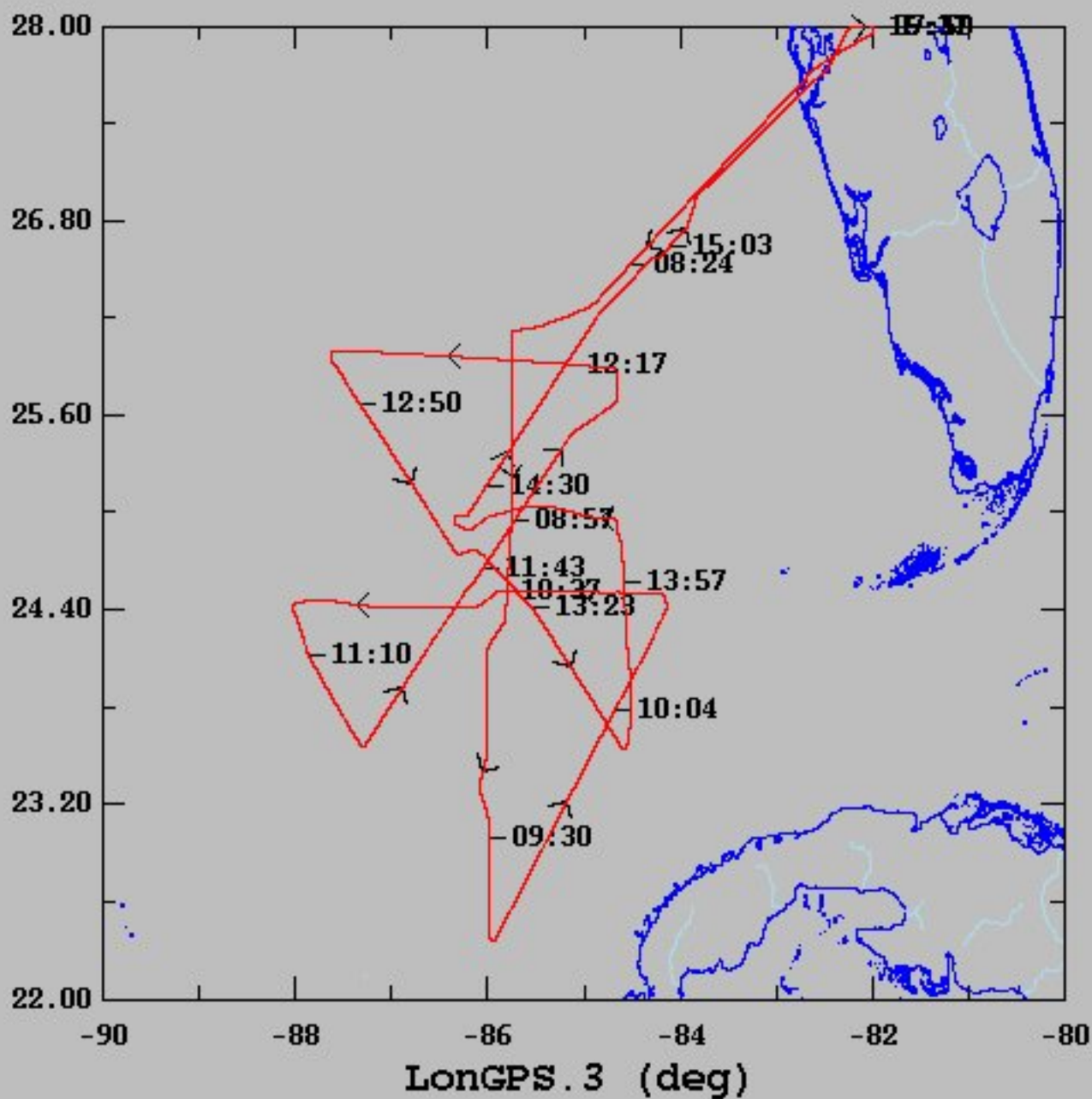
Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

16 BTS
2 CTS
6 CTDS

10/09/2018, 07:50:47-15:37:03



NOAA • AOC • SED N42RF AVAPS DROP LOG

Lead Tech: Mike Mascaro

Project: Hurricane 2018

Mission: MICHAELFlight ID: ZDR100941

Take Off: _____

Landing: _____

Flt Dir: SEARS

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	182210747	1	Ø	0838	SCP	NWS	IP1	✓
2	181840640	2	-0.4	0851	SCP	NWS	MP	✓
3	181840642	3	Ø	0906	SCP	NWS	RMW	✓
4	182011051	9	Ø	0911	SCP	NWS	CP	✓
5	182011061	1	Ø	0916	SCP	NWS	RMW	✓
6	182340148	2	Ø	0922	SCP	NWS	MP	✓
7	182340167	3	Ø	0940	SCP	NWS	IP1	✓
8	182010724	4	Ø	1013	SCP	NWS	IP2	✓
9	182011059	1	Ø	1026	SCP	NWS	MP	✓
10	182010729	2	Ø	1035	SCP	NWS	RMW	✓
11	182011062	3	Ø	1040	SCP	NWS	CP	✓
12	182340150	4	Ø	1044	SCP	NWS	RMW	✓
13	182011057	1	-0.8	1056	SCP	NWS	MP	✓
14	182011055	2	Ø	1105	SCP	NWS	EP2	✓
15	182340154	3	Ø	1120	SCP	NWS	IP3	✓
16	183010854	4	-0.9	1132	SCP	NWS	MP	✓
17	182011063	1	-0.4	1139	SCP	NWS	RMW	✓
18	182011060	2	Ø	1140	SCP	NWS	CP	✓
19	182010069	3	Ø	1145	SCP	NWS	RMW	✓
20	182010089	4	Ø	1154	SCP	NWS	MP	✓
21	181930023	1	Ø	1208	SCP	NWS	EP3	✓
22	182011053	2	Ø	1243	SCP	NWS	IP4	✓
23	182340174	3	Ø	1258	SCP	NWS	MP	✓
24	181930909	4	Ø	1309	SCP	NWS	RMW	✓
25	182340171	1	Ø	1313	SCP	NWS	CP	✓
26	182340135	2	Ø	1317	SCP	NWS	RMW	✓
27	181920187	3	Ø	1326	SCP	NWS	MP	✓
28	181930912	4	Ø	1343	SCP	NWS	EP4	✓
29	132735125	1	-1.2	1444	SCP	HRD	MP - IR	✓
30	182011058	2	Ø	1411	SCP	HRD	MP MP IR	✓
31	181930911	3	-0.6	1417	SCP	HRD	RMW	✓
32	182340157	1	-0.4	1417	SCP	HRD	MP - IR	✓
33	181920759	2	Ø	1429	SCP	HRD	RMW	✓
34								

32
20
30
31
32
33

APPENDIX 1 – P3 QC Checklist

Flight ID:	20181009H1
Flight Director(s):	SEARS

PSM.2

Pressure Comparison		
	T/O	Land
Aircraft	1007.0	1006.4
Tower	1007.5	1007.9

UWZ.d mean: -0.04 from aircraft

-0.03 after post processing (-0.03 Jorgensen)

	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	AltRA1.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	

DPJ_WSZ

Mission Documents:

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

NOTES: