

N42RF ERROR SUMMARY  
20201108H2 - 1429A Eta

Flight ID: 20201108H2

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/2020/MET/20201108H2

Local Met Data	Takeoff KLAL (2350Z)	Landing KLAL (0000Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.307
AttackAngleSlope		6.07515
SlipAngleIntercept		0.237
SlipAngleSlope		7.04607
AttackAngleIntercept2		2.06219
AttackAngleSlope2		5.99068
SlipAngleIntercept2		0.125
SlipAngleSlope2		6.9873

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.

Please see QC Checklist for notes on any errors in data

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	17	17	17
Test sondes	0	0	0
AXBTS	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Lundry  
Phone #: 863-500-3898

ACAT-4 Version = 7.3

**U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N42RF Manifest**

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20201108H2	FLT #:		AC:	Rossi	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1630L	CP(s):	Doremus	Zaeislak, Jonathan	A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	0030L		Rannenberg				<b>17</b>	<b>0</b>	<b>17</b>
Block Time		Flight Time		NAV:	Freeman	ASOS Takeoff		BTs			
In:	<b>6:15</b>	Land:	<b>6:09</b>	FE(s):	Lalonde			A/C Land		Good	Bad
Out:	<b>23:39</b>	T/O:	<b>23:51</b>	FD(s):	Lundry	ASOS Land				<b>0</b>	<b>0</b>
Total:	<b>6.6</b>	Total:	<b>6.3</b>		SSA:			Richards	Visitors:		
				AVAPS:	McAlister			Storm Number ID:		AL292020	
Sponsoring Org:	NWS			SEB:		(ie: AL072012)					
Program:	PRX						TCPOD/WSPOD Mission		NOAA2 1429A ETA		
Purpose:	ETA FIX						(ie: NOAA2 2418A SANDY)				
				MX:		OBSERVATIONS					
AS REQUIRED BY ORM			Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH				X			<b>1</b>				
SCIENCE MISSION WITHIN BDRY LAYER				X			<b>2</b>				
LACK OF PRECIPITATION				X			<b>3</b>				
RELATIVE HUMIDITY ≥ 80%			X				<b>4</b>				
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			Pennies:	5 TS			

\*Highlighted items must be completed before departure.

Remarks:


## P-3 QC Checklist

Overall Assessment	No instrument issues noted.
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Flight ID:	20201108H2
Flight Director(s):	Lundry, Flaherty
Mission:	Tasked/Operational
UWZ.d mean:	0.16

Pressure Comparison		
	T/O	Land
Aircraft	1010.1	1007.0
Tower	1007.5	1005.1

2351Z T/O

0609Z Land

	Raw 1Hz Mean File Parameters				C File Parameters	
<input checked="" type="checkbox"/> Accelerometer	<input checked="" type="checkbox"/> AccAXI.1 <input checked="" type="checkbox"/> AccAXI.2 <input checked="" type="checkbox"/> AccAXI-GPS.1 <input checked="" type="checkbox"/> AccAXI-GPS.2	<input checked="" type="checkbox"/> AccAYI.1 <input checked="" type="checkbox"/> AccAYI.2 <input checked="" type="checkbox"/> AccAYI-GPS.1 <input checked="" type="checkbox"/> AccAYI-GPS.2	<input checked="" type="checkbox"/> AccAZI.1 <input checked="" type="checkbox"/> AccAZI.2 <input checked="" type="checkbox"/> AccAZI-GPS.1 <input checked="" type="checkbox"/> AccAZI-GPS.2	<input checked="" type="checkbox"/> AccZfilter-GPS.1 <input checked="" type="checkbox"/> AccZfilter-GPS.2	<input checked="" type="checkbox"/> AccZref	
<input checked="" type="checkbox"/> Altitude	<input checked="" type="checkbox"/> AltGPS.1 <input checked="" type="checkbox"/> AltGPS.2 <input checked="" type="checkbox"/> AltGPS.3 <input checked="" type="checkbox"/> AltGPS.4	<input checked="" type="checkbox"/> AltI-GPS.1 <input checked="" type="checkbox"/> AltI-GPS.2	<input checked="" type="checkbox"/> AltPaADDU.1 <input checked="" type="checkbox"/> AltBCADDU.1	<input checked="" type="checkbox"/> AltRA.1 <input checked="" type="checkbox"/> AltRA.2	<input checked="" type="checkbox"/> ALTref <input checked="" type="checkbox"/> ALTPA.d <input checked="" type="checkbox"/> ALTGA.d	<input checked="" type="checkbox"/> AltRA1.c <input checked="" type="checkbox"/> AltRA2.c
<input checked="" type="checkbox"/> Ground Speed	<input checked="" type="checkbox"/> GsXI-GPS.1 <input checked="" type="checkbox"/> GsXI-GPS.2	<input checked="" type="checkbox"/> GsYI-GPS.1 <input checked="" type="checkbox"/> GsYI-GPS.2	<input checked="" type="checkbox"/> GsZI-GPS.1 <input checked="" type="checkbox"/> GsZI-GPS.2	<input checked="" type="checkbox"/> GSXref <input checked="" type="checkbox"/> GSYref <input checked="" type="checkbox"/> GSZref		
<input checked="" type="checkbox"/> Lat / Lon	<input checked="" type="checkbox"/> LatGPS.1 <input checked="" type="checkbox"/> LatGPS.2 <input checked="" type="checkbox"/> LatGPS.3 <input checked="" type="checkbox"/> LatGPS.4	<input checked="" type="checkbox"/> LatI-GPS.1 <input checked="" type="checkbox"/> LatI-GPS.2	<input checked="" type="checkbox"/> LonGPS.1 <input checked="" type="checkbox"/> LonGPS.2 <input checked="" type="checkbox"/> LonGPS.3 <input checked="" type="checkbox"/> LonGPS.4	<input checked="" type="checkbox"/> LonI-GPS.1 <input checked="" type="checkbox"/> LonI-GPS.2	<input checked="" type="checkbox"/> LATref <input checked="" type="checkbox"/> LONref	
<input checked="" type="checkbox"/> Pressure	<input checked="" type="checkbox"/> PDALPHA.1 <input type="checkbox"/> PDALPHA.2 <input checked="" type="checkbox"/> PDBETA.1 <input type="checkbox"/> PDBETA.2	<input checked="" type="checkbox"/> PQALPHA.1 <input checked="" type="checkbox"/> PQBETA.1	<input checked="" type="checkbox"/> PQM.1 <input checked="" type="checkbox"/> PQM.2 <input checked="" type="checkbox"/> PQM.3 <input checked="" type="checkbox"/> PQM.4	<input checked="" type="checkbox"/> PSM.1 <input checked="" type="checkbox"/> PSM.2 <input checked="" type="checkbox"/> PTM.1	<input checked="" type="checkbox"/> PDLAPHaref <input checked="" type="checkbox"/> PDBETAref <input checked="" type="checkbox"/> PQALPHAref <input checked="" type="checkbox"/> PQBETAref	<input checked="" type="checkbox"/> PQMref <input checked="" type="checkbox"/> PQ.c <input checked="" type="checkbox"/> PSMref <input checked="" type="checkbox"/> PS.c
<input checked="" type="checkbox"/> Air Speed	<input checked="" type="checkbox"/> CasADDU.1	<input checked="" type="checkbox"/> TasADDU.1	<input checked="" type="checkbox"/> IasADDU.1	<input checked="" type="checkbox"/> IAS.d <input checked="" type="checkbox"/> TAS.d		
<input checked="" type="checkbox"/> Pitch / Roll	<input checked="" type="checkbox"/> PitchI.1 <input checked="" type="checkbox"/> PitchI.2 <input type="checkbox"/> PitchI.3	<input checked="" type="checkbox"/> PitchRateI.1 <input checked="" type="checkbox"/> PitchRateI.2 <input type="checkbox"/> PitchRateI.3	<input checked="" type="checkbox"/> RollI.1 <input checked="" type="checkbox"/> RollI.2 <input type="checkbox"/> RollI.3	<input checked="" type="checkbox"/> RollRateI.1 <input checked="" type="checkbox"/> RollRateI.2 <input type="checkbox"/> RollRateI.3	<input checked="" type="checkbox"/> PITCHref <input checked="" type="checkbox"/> ROLLref	
<input checked="" type="checkbox"/> Temp / Dewpt	<input checked="" type="checkbox"/> TTM.1 <input checked="" type="checkbox"/> TTM.2 <input type="checkbox"/> TTM.3	<input checked="" type="checkbox"/> TDM.1 <input checked="" type="checkbox"/> TDM.2 <input type="checkbox"/> TDM.3	<input checked="" type="checkbox"/> TRadD.1 <input checked="" type="checkbox"/> TRadS.1 <input type="checkbox"/> TRadU.1	<input checked="" type="checkbox"/> TD.c <input checked="" type="checkbox"/> TDMref <input checked="" type="checkbox"/> TTMref <input checked="" type="checkbox"/> TA.d		
<input checked="" type="checkbox"/> Misc. (Must check)					<input checked="" type="checkbox"/> UWZ.d <input checked="" type="checkbox"/> DPJ_WSZ <input checked="" type="checkbox"/> HUM	<input checked="" type="checkbox"/> WS.d <input checked="" type="checkbox"/> WD.d

FLID_Mission_Documents.pdf:
<input checked="" type="checkbox"/> Error Summary
<input checked="" type="checkbox"/> Crew Manifest
<input checked="" type="checkbox"/> QC Checklist
<input checked="" type="checkbox"/> Dropwindsonde Log(s) - AVAPS and FD if completed
<input checked="" type="checkbox"/> Flight Track
n/a Miscellaneous FD Notes

QC Key	
Not checked	<input type="checkbox"/>
Valid	<input checked="" type="checkbox"/>
Errors (note)	<input checked="" type="checkbox"/> X

NOTES:
DPJ_WSZ trending higher than UWZ.d

NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019)

Storm **AL24/ET9** Flight ID **Z0201108H2** Dropsonde Scientist **ZAWISLAK** AVAPS Operator **MCALISTER** Page# **1 of 2**  
 Mission ID **1429A** (exp. 0213A) Dropsonde Scientist **ZAWISLAK** AVAPS Operator **MCALISTER**

Drop #	Sonde ID	Time UTC	Lat (°N/S)	Long (°E/W)	Sfc Pressure (mb)	Wind closest to		SST (°C)	Eye/Wall, Rainband, etc.	Obs #
						Dir/Spd (deg/kt)	Hgt (m)			
1	202270035	004126	25.08	80.94	1001.4	022/22			NW 1P ALPHA 1	3
Comments: Post-SOASU FLAG										
2	203440024	005538	24.49	80.20	993	125/7			CTR #1	4
Comments										
3	201441161	011232	23.80	79.36	1002.2	18/31			EXP 500 (2000)	7
Comments										
4	203040661	014444	25.79	79.30	1005.1	118/31			10 NE ALPHA 1	9
Comments										
5	203030589	015357	25.31	79.68	1002.5	091/34			10 NE ALPHA 1	10
Comments: CURR ALSO BK MAXWIND BANG. MAX WIND FLG TO GO FOR										
6	203030527	020910	24.58	80.40	993	205/9			CTR #2 ALPHA 1	11
Comments										
7	201441243	022604	23.83	81.22	1002.5	320/16			EXP SW ALPHA 1	13
Comments										
8	201521079	024932	23.79	79.60	1003.6	-/-			10 SE ALPHA 2	16
Comments: UNABLE TO MANEUVER ADJUST TEMPERATURE (FIND SMOOTHER WIND FAILURE, FOR PW TOO										
9	202730090	030846	24.68	80.63	992.9	350/4			CTR #3 ALPHA 2	18
Comments: Post-SOASU DATA										
10	202730099	031719	25.07	81.06	998.4	013/27			MAXWIND NW ALPHA 2	19
Comments										

Pass 1  
220  
220

Pass 2  
220  
220

Pass 3  
220  
220

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NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019)

Storm **AL27/37A**  
Mission ID **14294A**

Flight ID **202010911Z**  
(exp. 0213A)

Dropsonde Scientist **Zawiswak**  
Dropsonde Scientist

AVAPS Operator  
AVAPS Operator

**M CALISTER**

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*Post 3  
24  
25*

Drop #	Sonde ID	Time UTC	Lat (°N/S)	Long (°E/W)	Sfc Pressure (mb)	Wind closest to		SST (°C)	Eye/Wall, Rainband, etc.	Ob #
						Dir/Spd (deg/kt)	Hgt (m)			
11	203040330	032358	25.39	81.42	1001.0	-/-				21
Comments	UNABLE TO DYNAMOMETER ADJUST T, FAILURE SENSING APPROX 24									
12	201440386	034626	24.08	81.53	1001.2	334	120			23
Comments	<i>1000 ft 1000 ft</i>									
13	191930396	040223	24.83	80.78	993	035	111			24
Comments	SAME LOCATION - PRESSURE DIAGNOSED UNUSUAL MNR & POST-SERIAL									
14	192540944	043132	24.74	78.92	1005.6	126	124			27
Comments	2000 FT GFT SEC WINDY POST-SERIAL CCA 0827 FURTHER POST-SERIAL									
15	192950692	045512	24.85	80.41	997.1	157	140			28
Comments	TDR WIND									
16	203030916	050556	24.85	81.12	993	355	19			29
Comments	CTR 45									
17	201520232	053231	26.12	82.54	1004.9	040	132			32
Comments	<i>26.12</i> <i>053231</i> E0 NW 1000 FT									
Comments										
Comments										
Comments										



