

N42RF ERROR SUMMARY  
20200917H1

Flight ID: 20200917H1

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/20200917H1

Local Met Data	Takeoff TISX (1258Z)	Landing TISX (2045Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.27641
AttackAngleSlope		6.01899
SlipAngleIntercept		0.232
SlipAngleSlope		7.17429
AttackAngleIntercept2		2.06387
AttackAngleSlope2	6.01177	
SlipAngleIntercept2		0.195
SlipAngleSlope2		6.67434

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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.

PDAppla.2 and PDBeta.2 inoperative. TTM.3 unavailable. TDM.3 inoperative. TRadU.1 unavailable.

Note: UWZ mean was/is high, but none of the input variable seem unrepresentative.

Expendable Type	# deployed	# good	# transmitted
Dropsondes	15	13	13
Test sondes	0	0	0
AXBTs	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

## P-3 QC Checklist

Flight ID:	20200917H1
Flight Director(s)	Holmes
UWZ.d mean:	0.21

Pressure Comparison		
	T/O	Land
Aircraft	1013.0	-----
Tower	1014.0	-----

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

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		
<input checked="" type="checkbox"/> Miscellaneous FD Notes		

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

### NOTES:

PDAlpha.2 and PDBeta.2 inoperative. TTM.3 unavailable. TDM.3 inoperative. TRadU.1 unavailable.

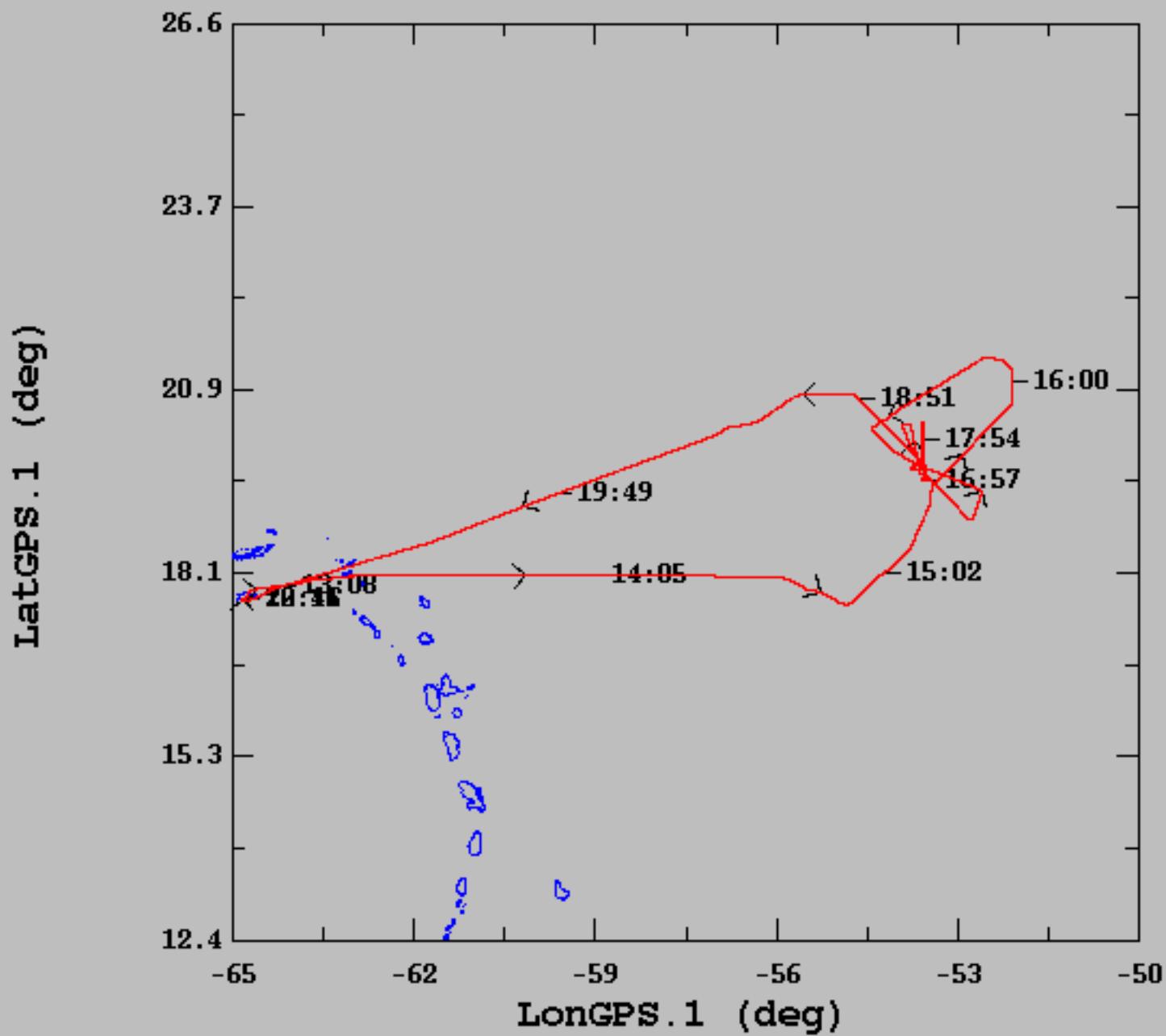
Note: UWZ mean was/is high, but none of the input variable seem unrepresentative.

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
<b>FLT ID:</b>	20200917H1	<b>FLT #:</b>		AC:	Abitbol	<b>Scientists:</b>	Pressure		Dropsondes		
<b>From:</b>	TISX	<b>ETD:</b>	900	<b>CP(s):</b>	Mitchell	Chang Zawislak	A/C Takeoff		Good	Bad	Sent
<b>To:</b>	TISX	<b>ETA:</b>	1700		Rannenberg						
<b>Block Time</b>		<b>Flight Time</b>		NAV:	Richards (B)	Sapp Jelenak	ASOS Takeoff		<b>BTs</b>		
In:	2049	Land:	2046	FE(s):	Darby Lalonde						Good
Out:	1253	T/O:	1258	FD(s):	Holmes		A/C Land		0	0	0
Total:	<b>7.9</b>	Total:	<b>7.8</b>	SSA:	Mascaro						
Sponsoring Org:	NESDIS			AVAPS:	Warnecke		Storm Number ID: (ie: AL072012)	AL202020			
Program:	PED						TCPOD/WSPOD Mission (ie: NOAA2 2418A SANDY)	WC20A TEDDY			
Purpose:	Hurricane Research			MX:			<b>OBSERVATIONS</b>				
AS REQUIRED BY ORM			<b>Y</b>	<b>N</b>	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH				x			1			1009	
SCIENCE MISSION WITHIN BDRY LAYER				x							
LACK OF PRECIPITATION				x							
RELATIVE HUMIDITY ≥ 80%			x		5 X CAT III Pennies		2				
LARGE AIR-SEA TEMP GRADIENT				x							
HIGH SURFACE WINDS			x		Sondes: 1 X NWS, 4 X HRD, 12 X OWS		3				
LONG FETCH / DURATION OF SFC WND			x								
SEA SALT ACCRETION FORECAST				x			4				
SEA SALT ACCRETION OBSERVED							Pennies:				
*Highlighted items must be completed before departure.											
<p><b>Remarks:</b> _____</p> <p>_____</p>											

# 20200917H1 Flight Track

2020-09-17, 12:11:19-20:46:16



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	19.12	1.12	17.60	21.42
LonGPS.1 (deg), 1 s/sec	-57.32	4.39	-64.85	-52.08