

N42RF ERROR SUMMARY
20190407H1

Flight ID: 20190407H1

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/2019/MET/20190407H1

Local Met Data	Takeoff KLAL (1601Z)	Landing MMVR (1935Z)
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.

CHAT

PDAlpha.2 Inop

PQM.1 unrepresentative for the bulk of the flight

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

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

ACAT-4 Version = 7.2.2

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION			
FLT ID:	20190407H1	FLT #:		AC:	Kibbey	Scientists:		Pressure		Dropsondes	
From:	KLAL	ETD:	1400Z	CP(s):	Rossi	Carrion McFadden	A/C Takeoff		Good	Bad	Sent
To:	MMVR	ETA:	1800Z		Doremus		Wx Station Takeoff				
Block Time		Flight Time		Nav(s):	Freeman		A/C Land		BTs		
In:	1940	In:	1935	FE(s):	Sanchez		Wx Station Land		Good	Bad	Sent
Out:	1845	Out:	1601	FD(s):	Holmes	Visitors:	Storm Number ID:				
Total:	3.9	Total:	3.6	SEB:	Greene		(ie: AL072012)				
Sponsoring Org:		AOC		SSA:	Newnam		TCPOD/WSPOD Mission				
Program:				AVAPS:	Mascaro	(ie: NOAA2 2418A SANDY)					
Purpose:		CHAT: KLAL to MMVR				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				X							
SEA SALT ACCRETION FORECAST				X							
SEA SALT ACCRETION OBSERVED											

Additional Remarks:

Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

APPENDIX 1 – P3 QC Checklist

Flight ID:	2019 0407 H1
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	1017	/
Tower	1017	/

UWZ.d mean: 0.07

	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	☒ AccZfilter-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	☒ TasADDU.1		☒ TAS.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

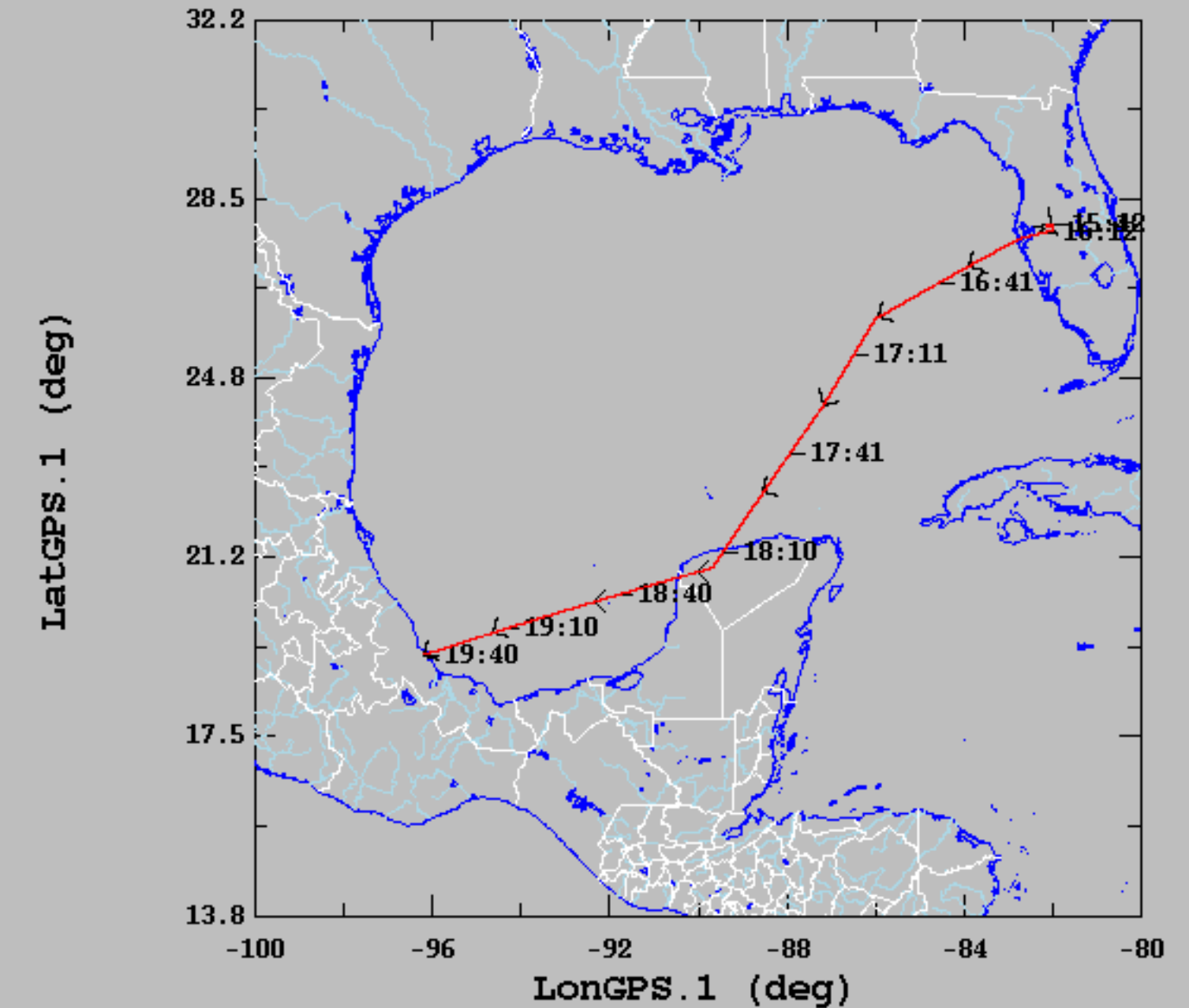
NOTES:

PDAlpha, 2 Inop.

PQM.1 ~~is~~ unrepresentative for a large portion of the flight.

20190407H1 Flight Track

04/07/2019, 15:12:35-19:40:10



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	24.01	3.33	19.13	27.99
LonGPS.1 (deg), 1 s/sec	-87.56	4.58	-96.19	-81.98