

N42RF ERROR SUMMARY

Flight ID: 20190702H1

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/20190702H1

Local Met Data	Takeoff (1245Z)	Landing (1803Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.338
AttackAngleSlope		6.116
SlipAngleIntercept		0.232
SlipAngleSlope		7.062

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	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:
Phone #:

ACAT-4 Version = 7.2.2

APPENDIX 1 – P3 QC Checklist

Flight ID:	20190702H1
Flight Director(s):	Holmes / Carpenter

Pressure Comparison		
	T/O	Land
Aircraft	1012	—
Tower	1012	—

UWZ.d mean: -0.02

	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	☒ LongGPS.1	☒ Loni-GPS.1	☒ LATref	
	☒ LatGPS.2	☒ Lati-GPS.2	☒ LongGPS.2	☒ Loni-GPS.2	☒ LONref	
	☒ LatGPS.3		☒ LongGPS.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	

FLID_Mission_Documents.pdf:

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

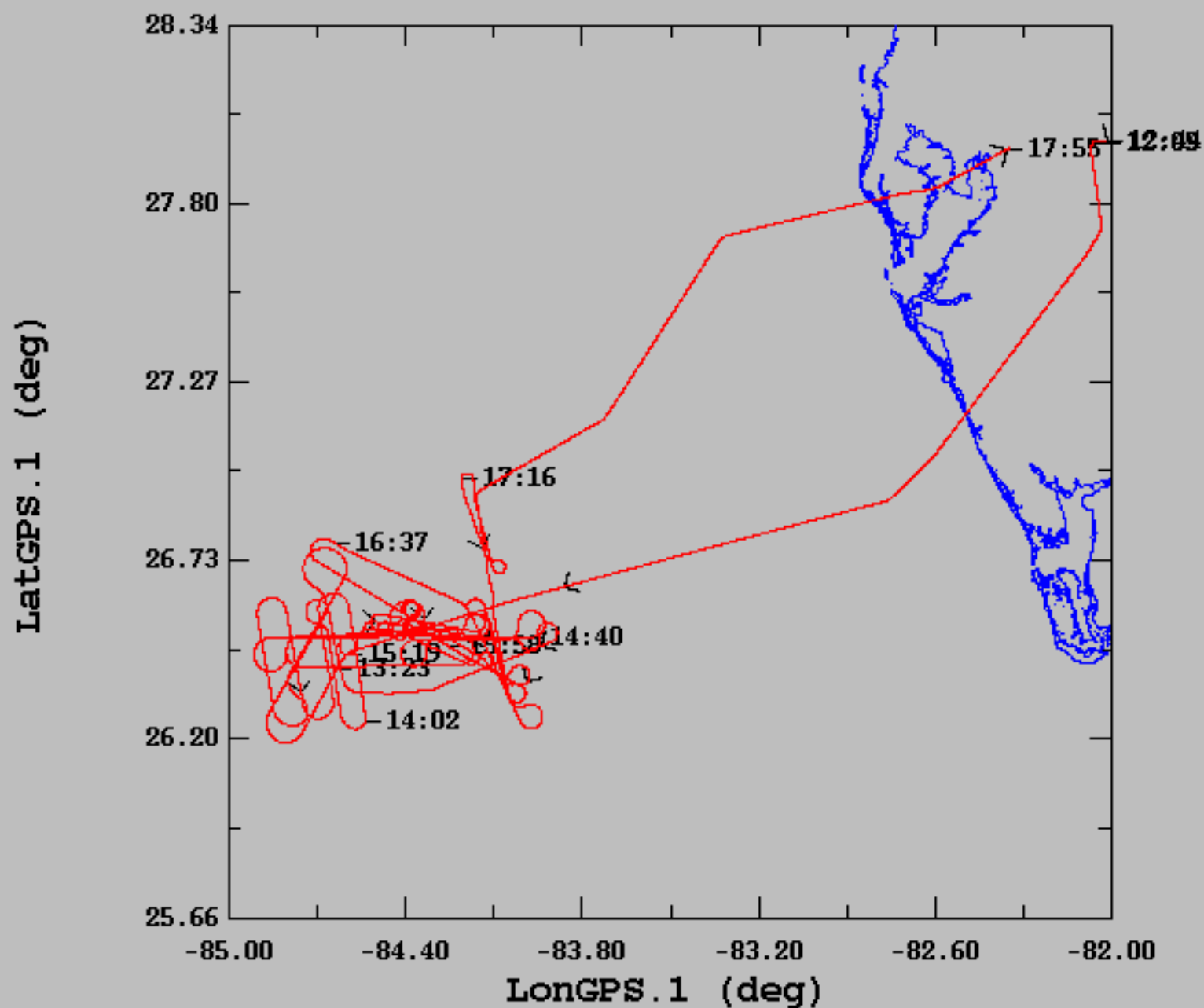
NOTES:

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION					
FLT ID:	20190702H1	FLT #:		AC:	Abitbol	Scientists:	Pressure		Dropsondes			
From:	KLAL	ETD:	13:00	CP(s):	Legidakes		A/C Takeoff		Good	Bad	Sent	
To:	KLAL	ETA:	18:00									
Block Time		Flight Time		Nav(s):	Urato		ASOS Takeoff			2	0	2
In:	1812	Land:	1804	FE(s)	Sanchez		A/C Land			Good	Bad	Sent
Out:	1236	T/O:	1246	FD(s):	Carpenter		ASOS Land			0	0	0
Total:	0.00		5.6	Total:	0.00		5.3	Storm Number ID:		N/A		
Sponsoring Org:		AOC		SEB:	Warnecke	Carso, Elizabeth Phyu, Aye Adams, Delaney Ray, Emily	(ie: AL072012)					
Program:		PSM		SSA:	Henning		TCPOD/WSPOD Mission		N/A			
Purpose:		Wind Calibration, SFMR Checks		AVAPS:	Mascaro		(ie: NOAA2 2418A SANDY)					
					Lynch, C.							
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				X								
Gmax:				Gmin:		*Highlighted items must be completed before departure.						
Remarks:												

20190702H1 Flight Track

2019-07-02, 12:05:24-17:55:18



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	26.82	0.56	26.19	27.99
LongGPS.1 (deg), 1 s/sec	-83.87	0.91	-84.91	-82.01