

N42RF ERROR SUMMARY
20190611H1

Flight ID: 20190611H1

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/20190611H1

Local Met Data	Takeoff KSLN (1959Z)	Landing KSLN (0025Z)
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.

TORUS Mission:

PDAlpha.2 inop

TDM.3 trends correctly, but the magnitude of the TDM values are not correct.

Neither of these sensors affected the realtime collection or the post processed data.

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 / Carpenter
Phone #: 863-500-3983

P-3 QC Checklist

Flight ID:	201906011H1
Flight Director(s)	Holmes, Carpenter
UWZ.d mean:	0.1

Pressure Comparison		
	T/O	Land
Aircraft	971mb	-----
Tower	971mb	-----

	Raw 1Hz Mean File Parameters					C File Parameters	
☒ Accelerometer	☒ AccAXI.1	☒ AccAYI.1	☒ AccAZI.1	☒ AccZfilter-GPS.1	☒ AccZfilter-GPS.2	☒ AccZref	
	☒ AccAXI.2	☒ AccAYI.2	☒ AccAZI.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		☒ LonGPS.4				
☒ Pressure	☒ PDALPHA.1	☒ PQALPHA.1	☒ PQM.1	☒ PSM.1		☒ PDLAPHaref	☒ 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				
☒ Misc. (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

QC Key	
Not checked	☐
Valid	☒
Errors (note)	☒ X

NOTES:

TORUS Mission:

PDAlpha.2 inop

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NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION					
FLT ID:	20190611H1	FLT #:	14	AC:	Didier	Scientists:		Pressure		Dropsondes			
From:	KSLN	ETD:	1800Z	CP(s):	Abitbol	Ziegler Rachel Miller Elmore		A/C Takeoff		Good	Bad	Sent	
To:	KSLN	ETA:	0200Z		Legitakes								
Block Time		Flight Time		Nav(s):	Freeman			Wx Station Takeoff		BTs			
In:	0034	In:	0026										
Out:	1951	Out:	1959	FE(s):	Stanley Stokes (Cont)			A/C Land		Good	Bad	Sent	
					Sanchez								
Total:	4.7	Total:	4.5	FD(s):	Holmes	Visitors:		Wx Station Land					
					Carpenter								
Sponsoring Org:				SEB:	Patel			Storm Number ID:					
Program:								(ie: AL072012)					
Purpose:		TORUS Mission #14		SSA:	Mascaro			TCPOD/WSPOD Mission					
				AVAPS:				(ie: NOAA2 2418A SANDY)					
AS REQUIRED BY ORM				Y	N	REMARKS		OBSERVATIONS					
								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:

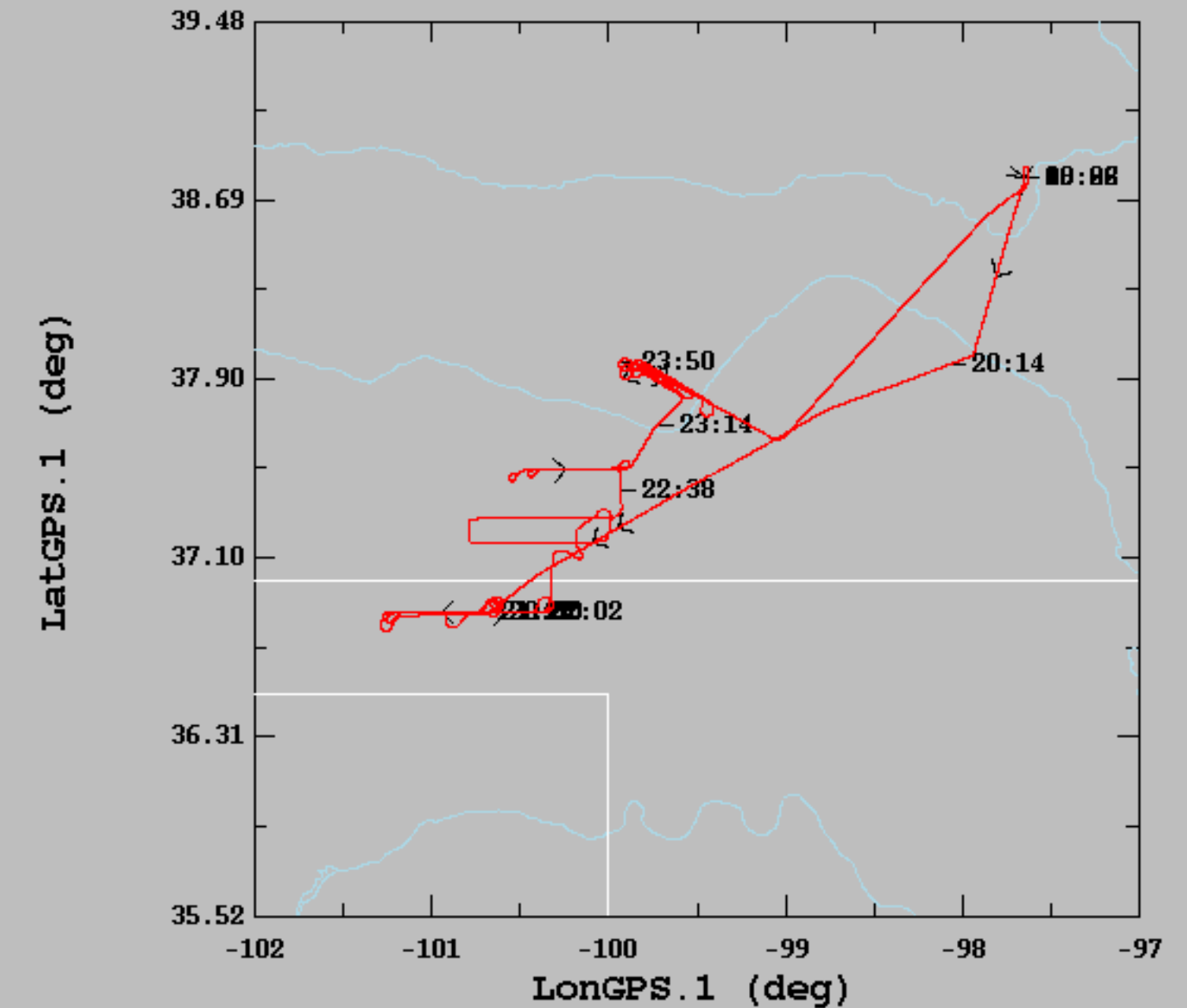
Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

20190611H1 Flight Track

2019-06-11, 19:02:44-24:26:24



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	37.70	0.70	36.78	38.84
LonGPS.1 (deg), 1 s/sec	-99.47	1.22	-101.28	-97.62