

N49RF ERROR SUMMARY
20190525N1

Flight ID: 20190525N1

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	AccZI.2
Altimeter	AltGPS.2
INE Selection	2
Differential Attack Pressure Probe	PDALPHA.2
Differential Sideslip Pressure Probe	PDBETA.2
Dynamic Attack Pressure Probe	PQALPHA.2
Dynamic Sideslip Pressure Probe	PQBETA.2

Flight Directory acdata/2019/MET/20190525N1

Local Met Data	Takeoff KSAV (1437Z)	Landing KLGB (1924Z)
Dynamic Corrections		Yes
AttackAngleIntercept		3.97801
AttackAngleSlope		3.86172
SlipAngleIntercept		1.258
SlipAngleSlope		6.69941
AttackAngleIntercept2		5.04641
AttackAngleSlope2		5.41847
SlipAngleIntercept2		0.905
SlipAngleSlope2		6.78464

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.

Reposition flight for GRAV-D project. Wind quantities unreliable. TTM.2 unavailable.

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: Carpenter / Henning
Phone #: 863-500-3901

ACAT-4 Version = 7.2.2

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center								
FLT ID:	20190525N1		From:	KSAV	To:	KLGB		
FLT #:			Blk In (Z):	13:53 (SAV Fueling) 19:27 (KLGB Arrival)	Land (Z):	19:24		
ETD (Z):			Blk Out (Z):	13:48 (SAV Fueling) 14:31 (KSAV Departure)	T/O (Z):	14:38		
ETE:			Total Blk:	5.0	Total Flt:	4.8		
Spns Org:	NGS		Program:	PGR	Purpose:	Repo. for GRAVD		
AOC Flight Crew								
Aircraft Commander:				Mansour		SSA:		
SIC:				Twining / Nardi		AVAPS:		
Navigator:						Scientist:		
Flight Eng:						Scientist:		
Flt Director:				Carpenter / Henning		Scientist:		
SEB:						Scientist:		
Crew Chief:				Rotteveel		Visitors:		
Pressure	A/C - Takeoff		Wx Station - Takeoff		A/C - Land		Wx Station - Land	
	1018.9		SAV 1440Z 1018.6		1011.7 (.1) / 1010.5 (.2)		LGB 1925Z 1011.0	
AS REQUIRED BY ORM			YES	NO	REMARKS			
VOLCANIC ASH				X				
SCIENCE MISSION WITHIN BOUNDARY LAYER				X				
LACK OF PRECIPITATION			X					
RELATIVE HUMIDITY AT OR ABOVE 80%				X				
LARGE AIR-SEA TEMPERATURE GRADIENT				X				
HIGH SURFACE WINDS				X				
LONG FETCH AND/OR DURATION OF SFC WIND				X				
SEA SALT ACCRETION FORECAST				X				
SEA SALT ACCRETION OBSERVED				X				
Dropsondes	0	Good:	-	Bad:	-	Sent:	-	
AXBT	0	Good:	-	Bad:	-	Sent:	-	
List other data sources in Remarks section						VDM		
Remarks (Storm VDM Identifier, Mission ID, Fix Times)					Fix #	Ob Num	Fix Time / SLP	
Storm Number Identifier (VDM): (ie: AL072012)								
TCPOD/WSPOD Mission ID: (ie: NOAA2 2418A SANDY)								
Remarks:								

G-IV QC Checklist

Flight ID:	20190525N1
Flight Director(s)	Carpenter / Henning
UWZ.d mean:	0.15 (post-processing)

Pressure Comparison		
	T/O	Land
Aircraft	1018.9	1011.7 (.1) / 1010.5 (.2)
Tower	SAV 1440Z 1018.6	LGB 1925Z 1011.0

	Raw 1Hz Mean File Parameters					C File Parameters	
☒ Accelerometer	☒ AccAXI.1	☒ AccAYI.1	☒ AccAZI.1			☒ AccZref	
	☒ AccAXI.2	☒ AccAYI.2	☒ AccAZI.2				
	☒ AccAXI.3	☒ AccAYI.3	☒ AccAZI.3				
☒ Altitude	☒ AltGPS.1	☒ AltI.1	☒ AltPaADDU.1	☒ AltBCADDU.1		☒ ALTref	
	☒ AltGPS.2	☒ AltI.2	☒ AltPaADDU.2	☒ AltBCADDU.2		☒ ALTPA.d	
	☒ AltGPS.3	☒ AltI.3	☒ AltRA.1			☒ ALTGA.d	
☒ Ground Speed	☒ GsXI.1	☒ GsYI.1	☒ GsZI.1	☒ GsGPS.1		☒ GSXref	
	☒ GsXI.2	☒ GsYI.2	☒ GsZI.2	☒ GsGPS.2		☒ GSYref	
	☒ GsXI.3	☒ GsYI.3	☒ GsZI.3	☐ GsGPS.3		☒ GSZref	
	☒ GsXGPS.1	☒ GsYGPS.1	☒ GsZGPS.1				
	☒ GsXGPS.2	☒ GsYGPS.2	☒ GsZGPS.2				
	☐ GsXGPS.3	☐ GsYGPS.3	☐ GsZGPS.3				
☒ Lat / Lon	☒ LatGPS.1	☒ LatI.1	☒ LonGPS.1	☒ LonI.1		☒ LATref	
	☒ LatGPS.2	☒ LatI.2	☒ LonGPS.2	☒ LonI.2		☒ LONref	
	☒ LatGPS.3		☒ LonGPS.3				
☒ Pressure	☒ PDALPHA.1	☒ PQALPHA.1	☒ PQM.1	☒ PSM.1		☒ PDLAPHaref	☒ PQMref
	☒ PDALPHA.2	☒ PQALPHA.2	☒ PQM.2	☒ PSM.2		☒ PDBETAref	☒ PQ.c
	☒ PDBETA.1	☒ PQBETA.1				☒ PQALPHaref	☒ PSMref
	☒ PDBETA.2	☒ PQBETA.2				☒ PQBETAref	☒ PS.c
☒ Air Speed	☒ CasADDU.1	☒ TasADDU.1				☒ IAS.d	☒ TAS.d
☒ Pitch / Roll	☒ PitchI.1	☒ PitchRateI.1	☒ RolI.1	☒ RollRateI.1		☒ PITCHref	
	☒ PitchI.2	☒ PitchRateI.2	☒ RolI.2	☒ RollRateI.2		☒ ROLLref	
	☒ PitchI.3	☒ PitchRateI.3	☒ RolI.3	☒ RollRateI.3			
☒ Temp / Dewpt	☒ TTM.1	☒ TTM.4	☒ TDM.1			☒ TD.c	☒ TTMref
	☒ TTM.2		☒ TDM.2			☒ TDMref	☒ TA.d
	☒ TTM.3						
☒ Misc. (Must check)						☒ UWZ.d	☒ WS.d
						☒ DPJ_WSZ	☒ WD.d
						☒ HUM	

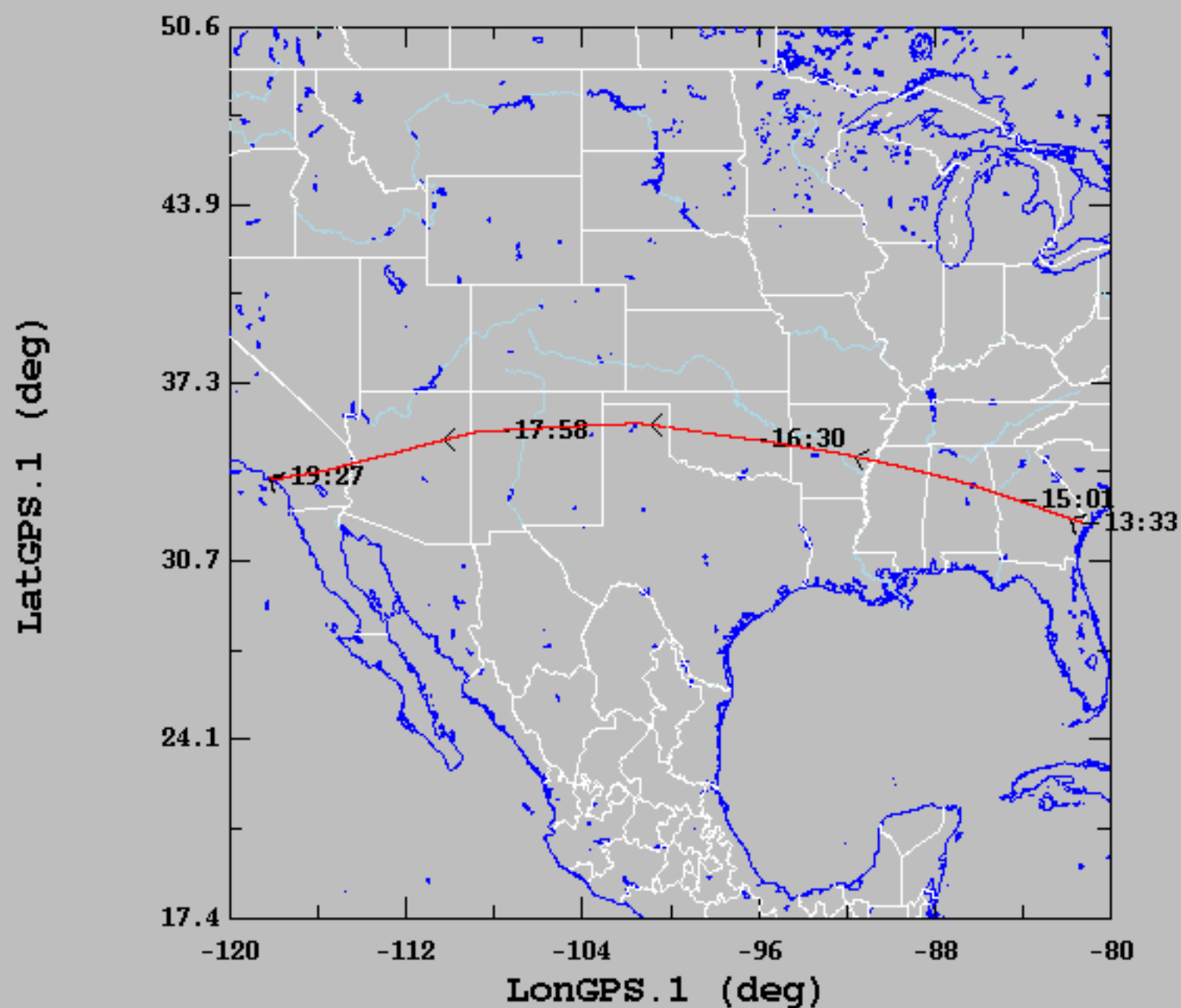
FLID_Mission_Documents.pdf:	
☒	Error Summary
☒	Crew Manifest
☒	QC Checklist
☒	Dropwindsonde Log(s) - AVAPS and FD if completed
☒	Flight Track
☒	Miscellaneous FD Notes

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

NOTES:

TTM.2 unavailable.
Wind data unreliable.

2019-05-25, 13:33:15-19:27:21



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	34.16	1.31	32.12	35.81
LongGPS.1 (deg), 1 s/sec	-96.96	12.45	-118.16	-81.19