

U.S. Dep't. of Commerce / OMAO / NOAA / Aircraft Operations Center

FLT ID: 20180522N1	From: KLAL	To: KLAL
FLT #:	Blk In: 1735 Z	Lnd Time: 1729 Z
ETD: Z	Blk Out: 1544 Z	T/O Time: 1557 Z
ETE:	Total Blk: 1.7	Total Flt: 1.5
Sponsoring Org:	Program:	Purpose:

AOC Flight Crew

Aircraft Commander: Twining	SSA: Defeo
Co-Pilot: Cowan /	AVAPS: /
Navigator: /	Scientists:
Flight Eng: /	Scientists
Flt Director: Williams/Henning	Scientists
SEB: Newman Lynch	Scientists:
Crew Chief:	Visitors: / /

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure		1014		

AS REQUIRED BY ORM	YES	NO	REMARKS
VOLCANIC ASH			
SCIENCE MISSION WITHIN BOUNDARY LAYER			
LACK OF PRECIPITATION			
RELATIVE HUMIDITY AT OR ABOVE 80%			
LARGE AIR-SEA TEMPERATURE GRADIENT			
HIGH SURFACE WINDS			
LONG FETCH AND/OR DURATION OF SFC WIND			
SEA SALT ACCRETION FORECAST			
SEA SALT ACCRETION OBSERVED			

Dropsondes	Good:	Bad:	Sent:
AXBT	Good:	Bad:	Sent:

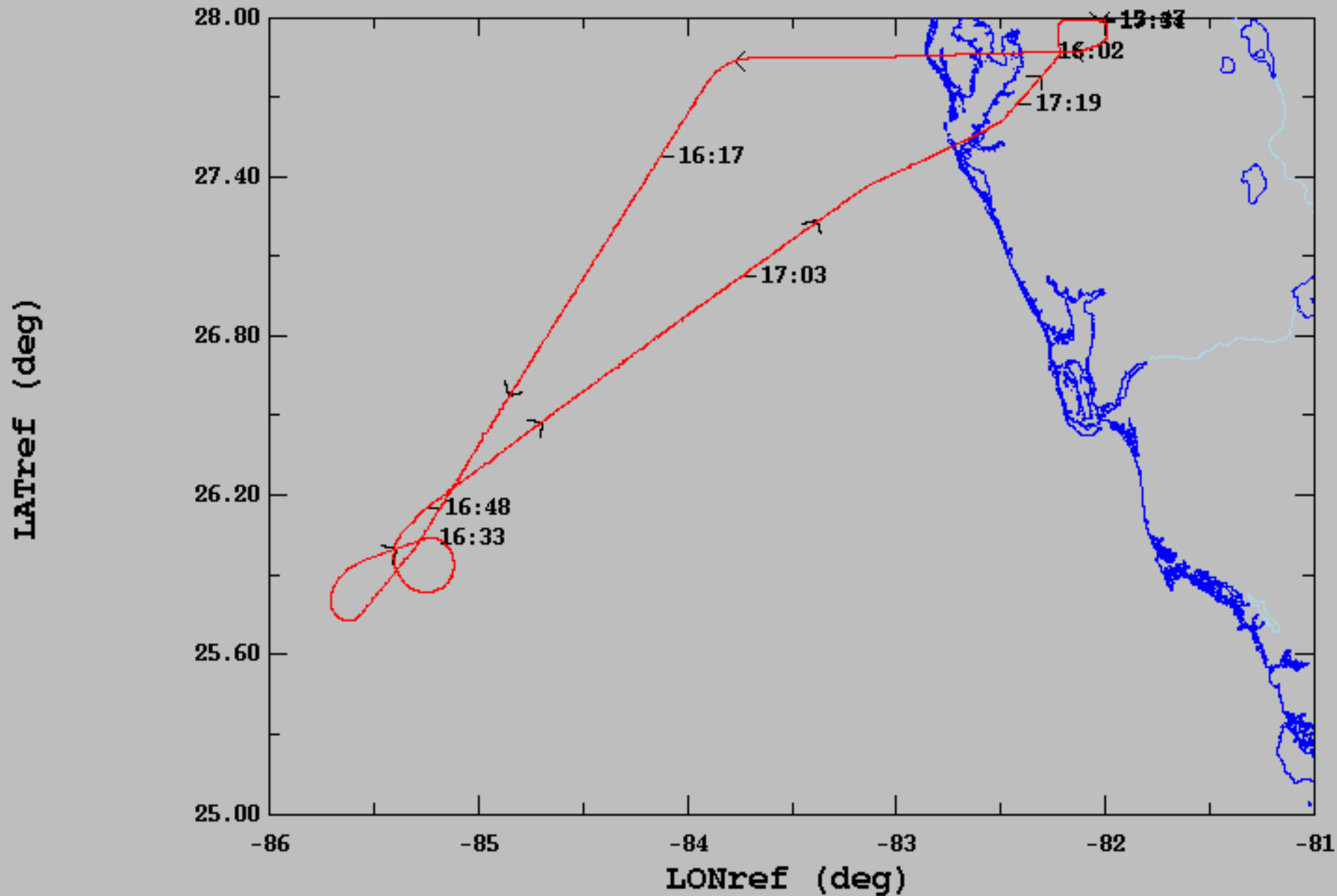
Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	VDM	
		Ob Num	Fix Time / SLP
Storm Number Identifier (VDM): (ie: AL072012)			
TCPOD/WSPOD Mission ID: (ie: NOAA2 2418A SANDY)			

Remarks:

75
10

G-IV Shakedown Flt #1

2018-05-22, 15:47:21-17:34:33



— LATref (deg), 1 s/sec
— LONref (deg), 1 s/sec

	mean	sigma	min	max
LATref (deg)	27.19	0.76	25.73	27.99
LONref (deg)	-83.58	1.25	-85.70	-81.99

APPENDIX 2 – GIV QC Checklist

Flight ID:	20180522N1
Flight Director(s):	Williams / Henning

Pressure Comparison		
	T/O	Land
Aircraft	1014.8	1013.4
Tower	1015.3	1014.3

UWZ.d mean: -0.58

		Raw 1Hz Mean File Parameters				C F
x	Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1		AccZref
		AccAXI.2	AccAYI.2	AccAZI.2		
		AccAXI.3	AccAYI.3	AccAZI.3		
x	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
x	Ground Speed	GsXI-GPS.1	GsXI.1	GsGPS.1	GsXGPS.1	GSXref
		GsXI-GPS.2	GsXI.2	GsGPS.2	GsXGPS.2	GSYref
		GsYI-GPS.1	GsXI.3		GsYGPS.1	GSZref
		GsYI-GPS.2	GsYI.1	GsZI.1	GsYGPS.2	
		GsZI-GPS.1	GsYI.2	GsZI.2	GsZGPS.1	
		GsZI-GPS.2	GsYI.3	GsZI.3	GsZGPS.2	
x	Lat/Lon	LatGPS.1	LatI.1	LonGPS.1	LonI.1	LATref
		LatGPS.2	LatI.2	LonGPS.2	LonI.2	LONref
		LatGPS.3		LonGPS.3		
x	Pressure	PDALPHA.1	PQALPHA.1	PQM.1	PSM.1	PDALPHA
		PDALPHA.2	PQALPHA.2	PQM.2	PSM.2	PDBETAref
		PDBETA.1	PQBETA.1	PQM.11	PSM.11	PQALPHA
		PDBETA.2	PQBETA.2			PQBETAref
x	Air Speed	CasADDU.1	TasADDU.1	IasADDU.1		IAS.d
x	Pitch/Roll	PitchI.1	PitchRatel.1	RollI.1	RollRatel.1	PITCHref
		PitchI.2	PitchRatel.2	RollI.2	RollRatel.2	ROLLref
		PitchI.3	PitchRatel.3	RollI.3	RollRatel.3	

Mission Documents:

<input checked="" type="checkbox"/>	Error Summary
<input checked="" type="checkbox"/>	Crew Manifest
<input checked="" type="checkbox"/>	QC checklist
<input type="checkbox"/>	Dropwindsonde Log(s) – AVAPS and FD if completed
<input checked="" type="checkbox"/>	Miscellaneous FD notes

NOTES: Novatel GPS not working, went out at 1526Z before blackout, switched ref to GPS.2 PDAlpha 1 and 2 ~ 5mb apart. TTM.3 is noisy, TTM.4 is ref.