

Flight Director: Holmes / Carpenter
Phone #: 863-500-3901

ACAT-4 Version = 7.2.2

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20190710H1	FLT #:	19-74	AC:	Price	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	20:00Z	CP(s):	Kahn	Rogers, Rob	A/C Takeoff	1010.8	Good	Bad	Sent
To:	KLAL	ETA:	04:00Z		Abitbol	Sellwood, Kathryn	ASOS Takeoff	KLAL 1950Z 1011.0	21	3	21
Block Time		Flight Time		Nav(s):	Richards	Reasor, Paul			A/C Land	1010.3	BTs
In:	1:55	Land:	1:47		FE(s)	Darby	Nunez Ocasio, Kelly	ASOS Land			KLAL 0150Z 1011.3
Out:	19:55	T/O:	20:03	FD(s):	Lalonde	Visitors:	ASOS Land	KLAL 0150Z 1011.3	3	2	-
Total:	6.00	Total:	5.73	SEB:	Hartberger				Storm Number ID:		AL022019
Sponsoring Org:	EMC			SSA:	Mascaro	TCPOD/WSPOD Mission		NOAA2 0202A PTC2			
Program:	PRX			AVAPS:	Warnecke	(ie: NOAA2 2418A SANDY)					
Purpose:	TDR Mission AL92						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					X						
Gmax:				Gmin:		*Highlighted items must be completed before departure.					
Remarks:											

P-3 QC Checklist

Flight ID:	20190710H1
Flight Director(s)	Holmes, Carpenter
UWZ.d mean:	-0.04

Pressure Comparison		
	T/O	Land
Aircraft	1010.8	1010.3
Tower	KLAL 1950Z 1011.0	KLAL 0150Z 1011.3

	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	✓ AccAXI.1 ✓ AccAXI.2 ✓ AccAXI-GPS.1 ✓ AccAXI-GPS.2	✓ AccAYI.1 ✓ AccAYI.2 ✓ AccAYI-GPS.1 ✓ AccAYI-GPS.2	✓ AccAZI.1 ✓ AccAZI.2 ✓ AccAZI-GPS.1 ✓ AccAZI-GPS.2	✓ AccZfilter-GPS.1 ✓ AccZfilter-GPS.2	✓ AccZref	
✓ Altitude	✓ AltGPS.1 ✓ AltGPS.2 ✓ AltGPS.3 ✓ AltGPS.4	✓ AltI-GPS.1 ✓ AltI-GPS.2	✓ AltPaADDU.1 ✓ AltBCADDU.1	✓ AltRA.1 ✓ AltRA.2	✓ ALTref ✓ ALTPA.d ✓ ALTGA.d	✓ AltRA1.c ✓ AltRA2.c
✓ Ground Speed	✓ GsXI-GPS.1 ✓ GsXI-GPS.2	✓ GsYI-GPS.1 ✓ GsYI-GPS.2	✓ GsZI-GPS.1 ✓ GsZI-GPS.2		✓ GSXref ✓ GSYref ✓ GSZref	
✓ Lat / Lon	✓ LatGPS.1 ✓ LatGPS.2 ✓ LatGPS.3 ✓ LatGPS.4	✓ LatI-GPS.1 ✓ LatI-GPS.2	✓ LonGPS.1 ✓ LonGPS.2 ✓ LonGPS.3 ✓ LonGPS.4	✓ LonI-GPS.1 ✓ LonI-GPS.2	✓ LATref ✓ LONref	
✓ Pressure	✓ PDALPHA.1 ✗ PDALPHA.2 ✓ PDBETA.1 ✓ PDBETA.2	✓ PQALPHA.1 ✓ PQBETA.1	✗ PQM.1 ✓ PQM.2 ✓ PQM.3 ✗ PQM.4	✓ PSM.1 ✓ PSM.2 ✓ PTM.1	✓ PDLAPHaref ✓ PDBETAref ✓ PQALPHaref ✓ PQBETAref	✓ PQMref ✓ PQ.c ✓ PSMref ✓ PS.c
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1	✓ IasADDU.1		✓ IAS.d	✓ TAS.d
✓ Pitch / Roll	✓ PitchI.1 ✓ PitchI.2 ✗ PitchI.3	✓ PitchRateI.1 ✓ PitchRateI.2 ✗ PitchRateI.3	✓ RolLI.1 ✓ RolLI.2 ✗ RolLI.3	✓ RollRateI.1 ✓ RollRateI.2 ✗ RollRateI.3	✓ PITCHref ✓ ROLLref	
✓ Temp / Dewpt	✓ TTM.1 ✓ TTM.2 ✗ TTM.3	✓ TDM.1 ✓ TDM.2 ✗ TDM.3	✓ TRadD.1 ✓ TRadS.1 ✗ TRadU.1		✓ TD.c ✓ TDMref	✓ TTMref ✓ TA.d
✓ Misc. (Must check)					✓ UWZ.d ✓ DPJ_WSZ ✓ HUM	✓ WS.d ✓ WD.d

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	<input type="checkbox"/>
Valid	<input checked="" type="checkbox"/>
Errors (note)	<input checked="" type="checkbox"/>

NOTES:

PQM.1 and PQM.4 unrepresentative between 00:25Z - 00:40Z.

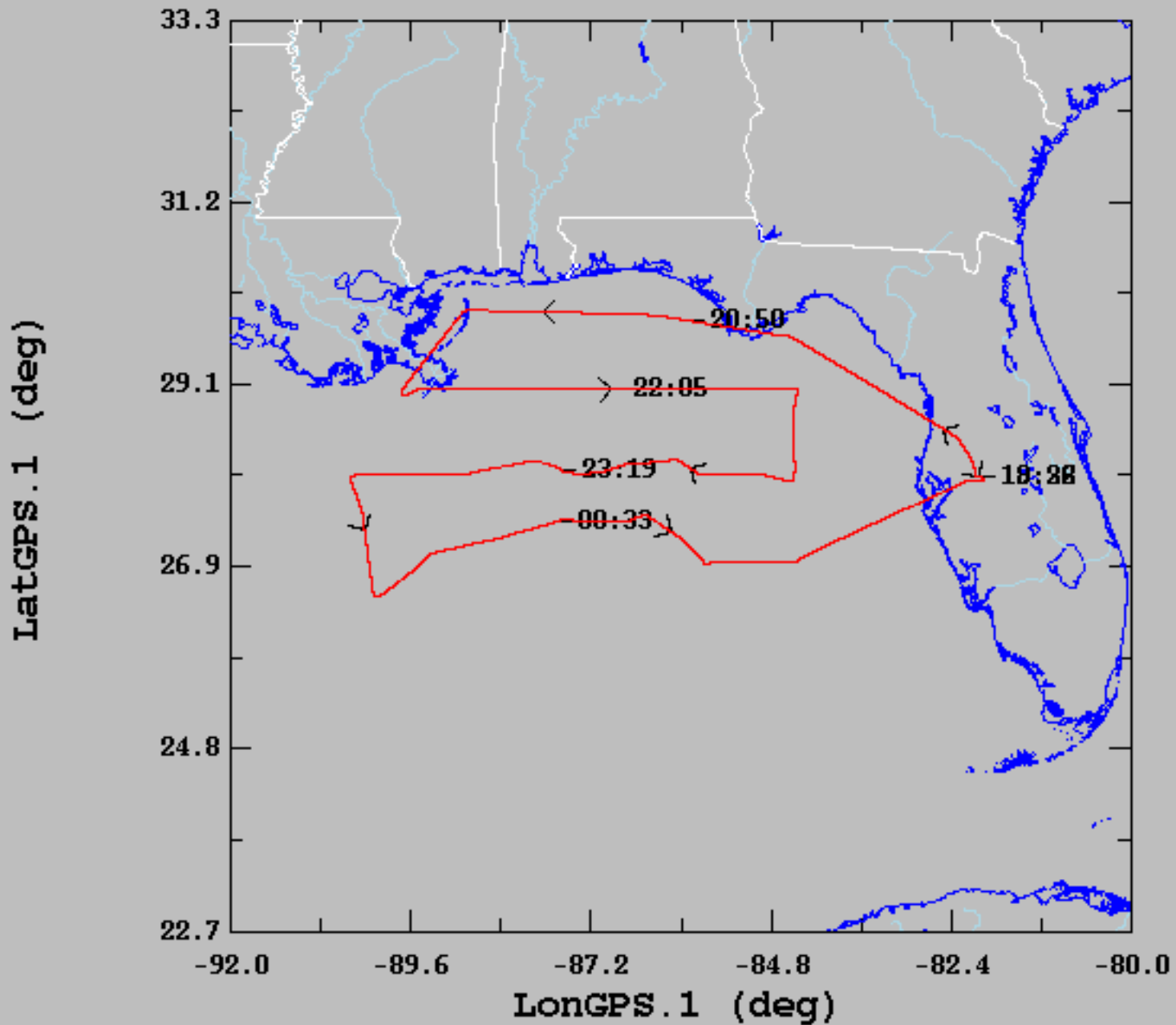
TTM.2 diverges several degrees from TTM.1 between 21:35-21:55Z and again between 00:20-00:30Z.

TTM.3 unavailable.

TDM.3 several degrees warmer than TDM.1 and TDM.2 but trends appropriately.

TRadU.1 unavailable.

07/10/2019, 18:22:08-25:47:54



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	28.25	0.83	26.60	29.92
— LonGPS.1 (deg), 1 s/sec	-85.47	2.78	-90.38	-81.94