

## NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20170919H1	FLT #:		AC:	Kahn	Scientists:	Pressure		Drosondes		
From:	KLAL	ETD:	2100Z	CP(s):	Doremus		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	0200Z		Rossi						
Block Time		Flight Time		Nav(s):	Freeman		Wx Station Takeoff		BTs		
In:	2113	In:	0107						Good	Bad	Sent
Out:	2128	Out:	2137	FE(s):	Heystek		A/C Land				
					Sanchez						
Total:	3.8	Total:	3.5	FD(s):	Holmes	Visitors:	Wx Station Land				
Sponsoring Org: AOC				SEB:	McAlister		Storm Number ID:				
Program: PSM							(ie: AL072012)		NA		
Purpose: SFMR Cal				SSA:	Mascaro		TCPOD/WSPOD Mission				
				AVAPS:			(ie: NOAA2 2418A SANDY)		NOAA2 WXWXA TRAIN		
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						

Additional Remarks:

\*Highlighted items must be completed before departure.

Cockpit Gmax:

Gmin:

### APPENDIX 1 – P3 QC Checklist

Flight ID:	20170919H1
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	1009	1008
Tower	1008	1008

UWZ.d mean: 0.15

	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	✓ AccZfilter-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	
✓ 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		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		✓ PBETAref	✓ 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

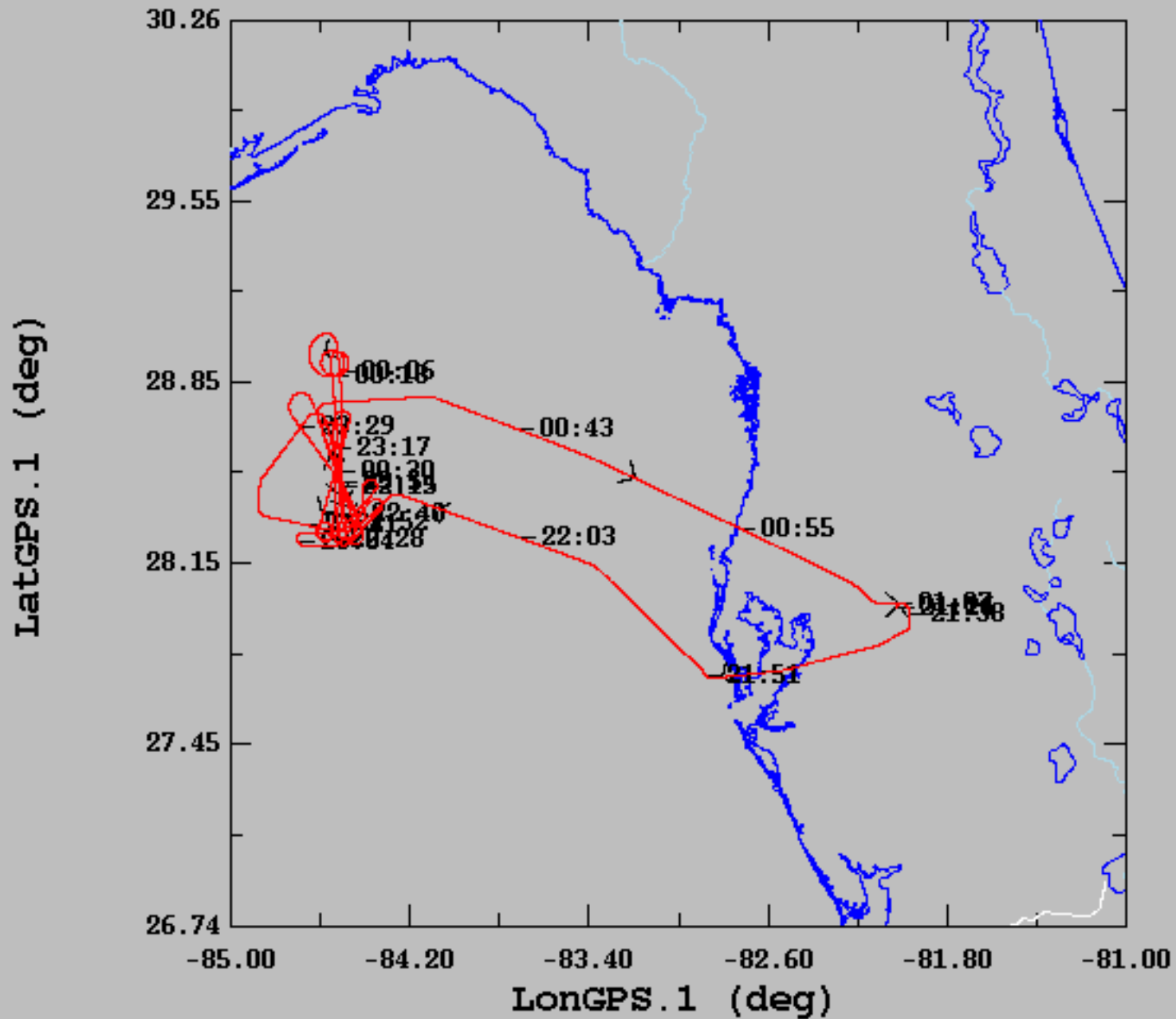
**NOTES:**

PDAlpha.2 → unresponsive, PDAlpha.1 was used as source.



# 20170919H1 Flight Track

2017-09-19, 21:14:25-25:07:43



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	28.37	0.30	27.70	29.04
— LongGPS.1 (deg), 1 s/sec	-83.87	0.97	-84.87	-81.96