



## APPENDIX 1 – P3 QC Checklist

Flight ID:	20170421H1
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	989.9	990.2
Tower	990.7	991.7

UWZ.d mean: 0.08

	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	Acc-Zfilter-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	
					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		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		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			
✓ Miscellaneous (must check)					UWZ.d	WS.d
					DPJ_WSZ	WD.d
					HUM	

**FLID\_Mission\_Documents.pdf:**

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

**NOTES:**

## NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

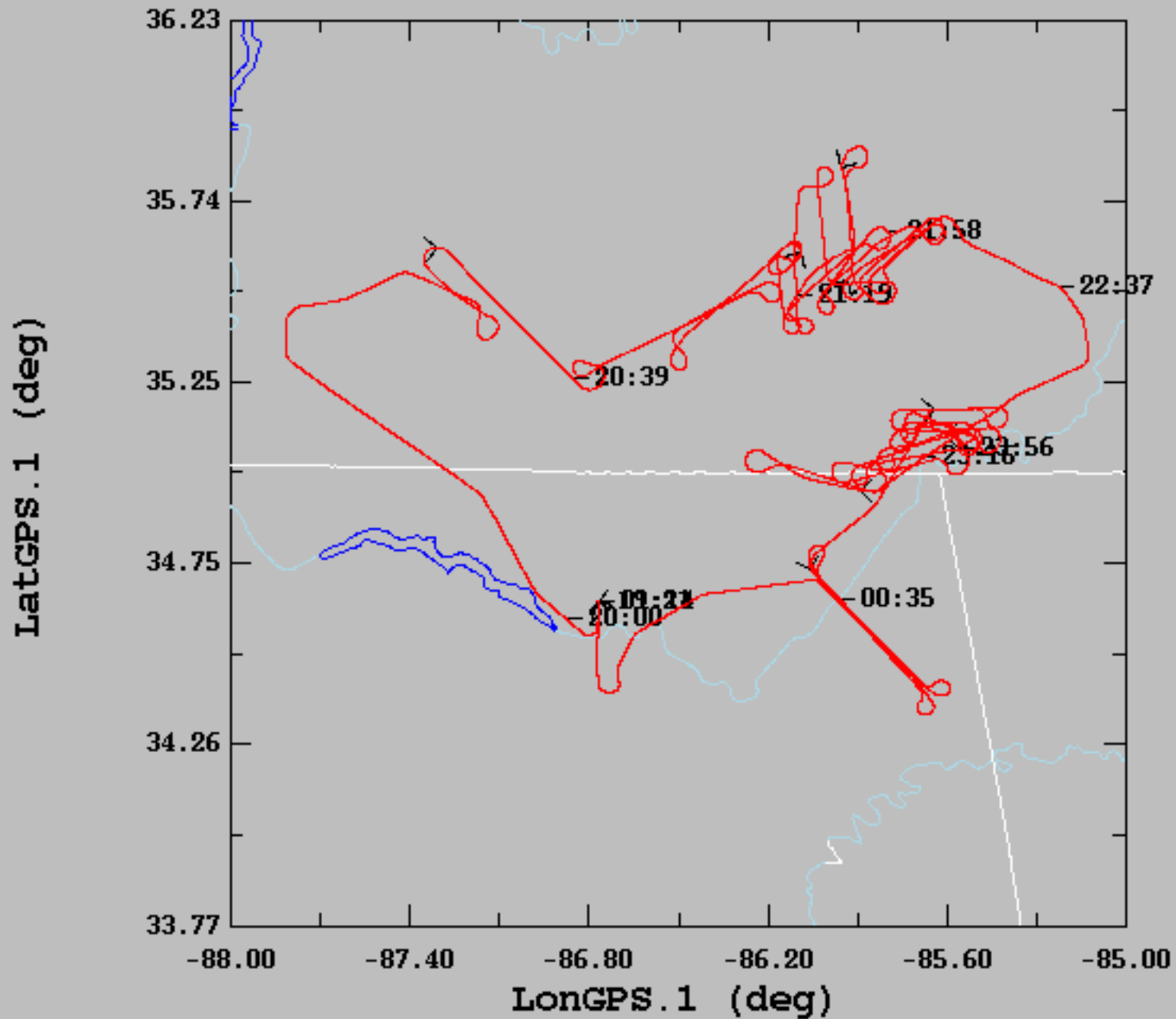
FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION			
FLT ID:	20170421H1	FLT #:		AC:	Price	Scientists:		Pressure		Dropsondes	
From:	KHSV	ETD:	2000Z	CP(s):	Kahn	Ziegler, C	A/C Takeoff	Good	Bad	Sent	
To:	KHSV	ETA:	0300Z	Nav(s):	Mitchell	Jorgensen, D	Wx Station Takeoff				
Block Time				Flight Time				BTS			
In:	0121	In:	<del>0112</del> 0112	FE(s):	Darby	Visitors: Todd Barron (NWS) Lauren Nash (NWS)	Wx Station	Good	Bad	Sent	
Out:	1950	Out:	1957	FD(s):	Sanchez		A/C Land				
Total:	5.5	Total:	5.3	SEB:	Richards		Wx Station Land				
Sponsoring Org:	AOC	SEB:	Richards	SSA:	Mascaro	Storm Number ID:					
Program:	PBX	AVAPS:		TCPOD/WSPD Mission (ie: NOAA2 2418A SANDY)		WXWXA VORTEX#6					
Purpose:	VORTEX-SE Project Mission 6			REMARKS				OBSERVATIONS			
AS REQUIRED BY ORM				Y	N	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: \_\_\_\_\_  
 Cockpit Gmax: \_\_\_\_\_ Gmin: \_\_\_\_\_

\*Highlighted items must be completed before departure.

# 20170421H1 Flight Track

2017-04-21, 19:21:10-25:14:50



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	35.13	0.39	34.34	35.88
LonGPS.1 (deg), 1 s/sec	-86.16	0.58	-87.81	-85.12