



## NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
FLT ID:	20170825H2	FLT #:		AC:	Kibbey ✓	Scientists:		Pressure		Dropsondes		
From:	KLAL	ETD:	1400Z	CP(s):	Rees ✓	P. Chang (NESDIS) ✓ J. Zawislak (HRD) ✓ L. Nguyen (HRD) B. Klotz (HRD) ✓ Chris Mehta (USF) ✓ Z. Jelenak (NESDIS) ✓	A/C Takeoff		Good	Bad	Sent	
To:	KLAL	ETA:	0100Z	Nav(s):	Kahn ✓		Wx Station Takeoff		20	0	20	
Block Time		Flight Time		FE(s):	Freeman ✓		A/C Land		BTs			
In:	2317	In:	2317	FD(s):	Keystek ✓		Wx Station Land		Good	Bad	Sent	
Out:	1348	Out:	1401	SEB:	Souza, Richard ✓	Visitors:		1	3	<del>1</del>		
Total:	9.5	Total:	9.25	SSA:	Holmes ✓	Thomas Beau Zimmer - Press ✓	Storm Number ID:	AL092017				
Sponsoring Org:	EMC/NHC			AVAPS:		Mitchell Wallace - ress ✓	(ie: AL072012)					
Program:	PRX					Chris Ruf (NESDIS) ✓	TCPOD/WSPOD Mission					
Purpose:	TDR					Jason Sippel	(ie: NOAA2 2418A SANDY)	NOAA2 1809A HARVEY				
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X			1	1	1430	947	
SCIENCE MISSION WITHIN BDRY LAYER					X	6 x 9 Hurricane Pennies		2	2	1550	944	
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:

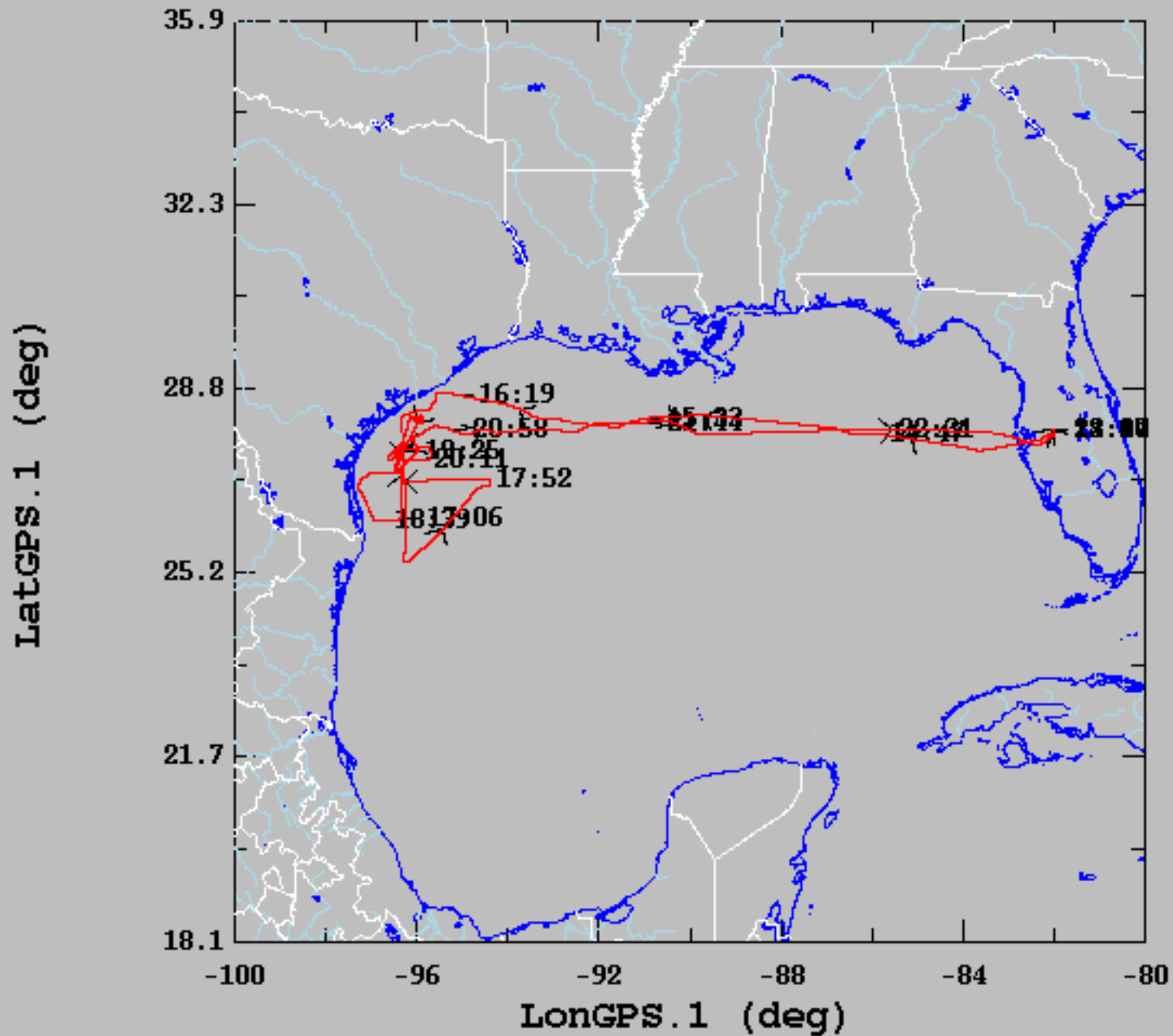
Cockpit Gmax:

Gmin:

\*Highlighted items must be completed before departure.

# 20170825H2 Flight Track

08/25/2017, 12:27:48-23:17:27



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	27.68	0.63	25.41	28.71
— LongGPS.1 (deg), 1 s/sec	-90.79	5.69	-97.26	-81.96





## APPENDIX 1 – P3 QC Checklist

Flight ID:	20170825H2
Flight Director(s):	Holmes

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

UWZ.d mean: 0.20

	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:**

✓ Error Summary
✓ Crew Manifest
✓ QC checklist
✓ Dropwindsonde Log(s) – AVAPS and FD if completed
✓ Flight Track
✓ Miscellaneous FD notes

**NOTES:**

- 1) PDAlpha.2 was unrepresentative for the first and last 25% of the mission
- 2) ~ 2mb Δ between PSM.1 and PSM.2 ← source