

## NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION					
FLT ID:	20170809H1	FLT #:		AC:	Kibbey	Scientists:		Pressure		Dropsondes ①		
From:	KLAL	ETD:	0800Z	CP(s):	Kahn	Rob Rogers (PI)		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	1600Z		Rossi	Lisa Bucci						
Block Time		Flight Time		Nav(s):	Freeman	Gus Alaka		Wx Station Takeoff		1	0	1
In:	1613	In:	1608							BTs ④		
Out:	0800	Out:	0808	FE(s):	Darby	Joe Sapp		A/C Land		Good	Bad	Sent
					Sanchez	Mark Romer						
Total:	8.2	Total:	8.0	FD(s):	Holmes			Wx Station Land		2	2	2
Sponsoring Org: EMC				SEB:		Patrick Wooten		Storm Number ID:	AL072017			
Program: PRX					Paul	Eric Harper		(ie: AL072012)				
Purpose: TS FRANKLIN (TDR)				SSA:	Naehar			TCPOD/WSPOD Mission				
								(ie: NOAA2 2418A SANDY)	NOAA2 0407A FRANKLIN			
AVAPS: Richards								OBSERVATIONS				
AS REQUIRED BY ORM			Y	N	REMARKS			Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH				X				1	1	1056Z	NA → no sand	
SCIENCE MISSION WITHIN BDRY LAYER			X		3 X 9 Penny's			2	2	1304Z	992 Ext had	
LACK OF PRECIPITATION			X					3	3	1319Z	987 extrap	
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: 1.6

Gmin: 0.3

\*Highlighted items must be completed before departure.

### APPENDIX 1 – P3 QC Checklist

Flight ID:	20170809111
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	1011.5	1013
Tower	1011	1014

UWZ.d mean: 0.15

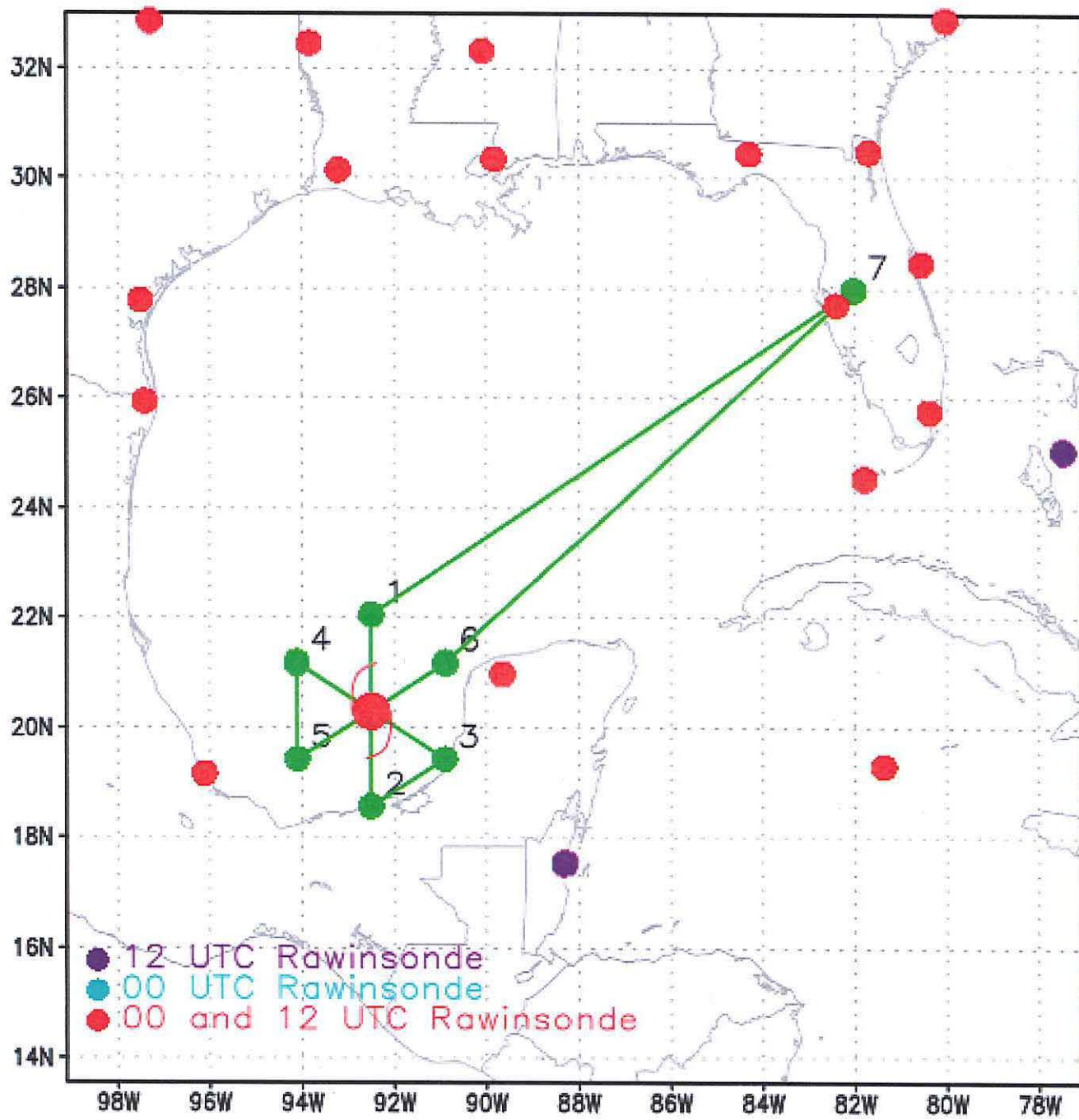
	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1	AccZfilter-GPS.1	AccZref	
	AccAXI.2	AccAYI.2	AccAZI.2	AccZfilter-GPS.2		
	AccAXI-GPS.1	AccAYI-GPS.1	AccAZI-GPS.1			
	AccAXI-GPS.2	AccAYI-GPS.2	AccAZI-GPS.2			
✓ Altitude	AltGPS.1	AltI-GPS.1	AltPaADDU.1	AltRA.1	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	
					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)	Sub TDM.1 → TDM.2 08:26:07-08:38:14				UWZ.d	WS.d
					DPJ_WSZ	WD.d
					HUM	

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

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

**NOTES:**





drops1\_170809H1 (1)

MISSION PLAN:

Prepared by the Hurricane Research Division File: current1.ftk

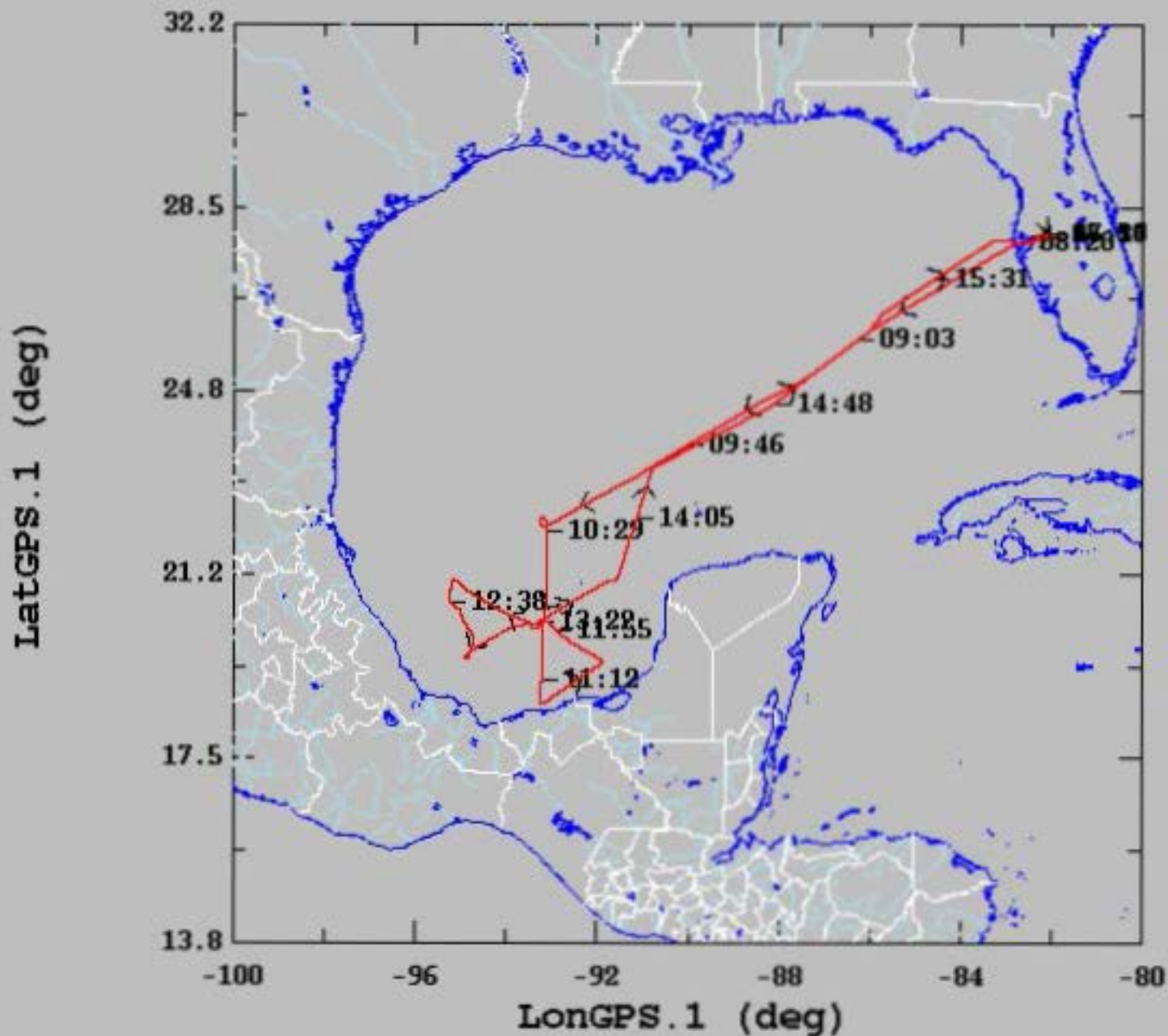
Aircraft: N42RF Proposed takeoff: 09/0800Z

DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1S	22 03	92 30	105/000	2:04
2S	18 33	92 30	105/180	2:57
3S	19 25	90 54	105/120	3:24
4S	21 11	94 07	105/300	4:18
5S	19 25	94 06	105/240	4:45
6S	21 11	90 53	105/060	5:38

# 20170809H1 Flight Track

08/09/2017, 06:10:41-16:14:34



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	24.05	3.28	18.55	27.99
— LonGPS.1 (deg), 1 s/sec	-88.31	4.73	-95.22	-81.98