

N49RF AOC GPS Dropwindsonde Log

 Flight ID: 20170823N1

 Flight Director: WILLIAMS / SEARS

 Mission ID: 0809A

 Storm/Track: HARVEY

 Pg 1 of 2

Drop #	Ob #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°E)	Wx Cond.	L5/R5?	SFC Prs (mb)	Last Wind Alt (m)	Comments	Ch #	SatComm failures	KWBC #
1	1	143415009	1838	25.99	-84.02	FEW	RS	1002	10.9		1		1900
2	2	144535233	1855	24.94	-85.97	FEW	RS	1012	10.8		2		1920
3	3	144535246	1911	22.95	-85.96	SC/BLW	RS	1012	10.9		3		1934
4	4	144625028	1925	21.93	-85.07	CIRWS	RS	1012	10.5		1		1958
5	5	144325049	1938	20.07	-84.20	FEW	RS	1011	NA	GPS?? 13M	2		2002
6	6	144535225	1950	20.03	-85.49	CIRWS/FEW	RS	1010	16	GPS??	3		2013
7	7	143325037	2011	22.06	-87.0	near conv	RS	1011	12	GPS??	4		2042
8	8	144535227	2034	24.06	-87.99	CIRWS	RS	1010	8.0	GOOD	1		2104
9	9	143335040	2050	25.89	-88.18		RS	1011	10.4		2		2114
10	10	144535081	2103	25.38	-89.51	convection	RS	1011			3		2125
11	11	144535203	2113	24.16	-87.65	convection	RS	NA	NA	DID NOT HIT SFC	4		2142
12	12	143325110	2126	22.66	-90.20	U-CAST	RS	1008	10.6		1		2151
13	13	143325059	2136	21.38	-90.52	U-CAST	RS	1006			2		2159
14	14	144535220	2147	20.48	-91.47	U-CAST	RS	1006	11.4		3		2209
15	15	144625031	2157	19.79	-92.56	U-CAST	RS	1006	11.5		4		2220
16	16	143325052	2208	19.79	-93.88	FEW	RS	1007	11		1		2247
17	17	143325050	2218	20.34	-95.09	FEW	RS	1007	10.4		2		2250
18	*	144625010								NO L Detect	3		
19	18	143425051	2229	20.39	-96.29	FEW	RS	1008	11.6		4		2256
20	19	144535091	2238	21.43	-95.91	FEW	RS	1008	8.1		1		2258
21	20	144535080	2249	22.71	-96.19	FEW	RS	1009	11.2		2		2312
22	21	144535088	2259	24.02	-95.9		RS	1009	9.2	1009 mb	3		2325
23	*	143415025								FASTAZL	4		
24	22	144625174	2316	25.68	-95.68		RS	1009	8.7		1		2342
25	23	144535116	2323	25.14	-95.0		RS	1010	11.7		2		2354
26	24	144325127	2342	25.77	-92.74		RS	1010	10.9		4		0004
27	25	163025037	0008	28.0	-94.59		RS	1011	10.3		1		0028
28	26	143415020	2333	25.0	-93.9		RS	1009	7.4		3		0045
29	27	144635061	0020	28.0	-93.0		RS	1012	11.2		2		0050
30	28	144325192	0034	28.0	-92.99		RS	1012	7.9		3		0101
31	28	143255054	0047	28.08	-89.03		RS	1012	8.6		4		0110
32	*	144625022					RS			NO PTU	1		
33	29	144535226	0105	29.6	-87.8		RS	1012	10.6		2		0134

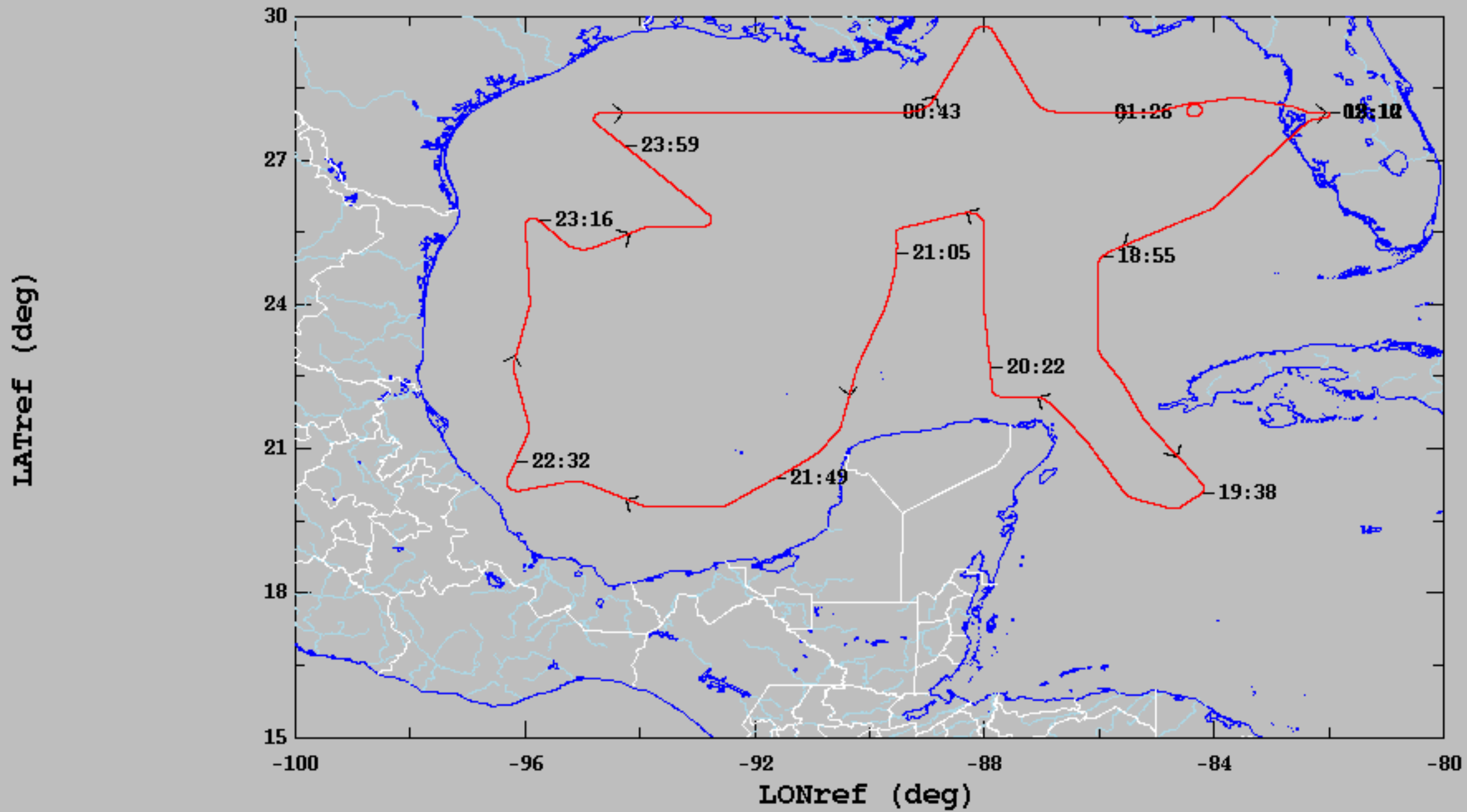
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2121

TS Harvey NHC Surv

08/23/2017, 18:12:00-02:10:00



	mean	sigma	min	max
— LATref (deg), 1 s/sec	24.67	3.00	19.75	29.78
— LONref (deg), 1 s/sec	-89.31	4.30	-96.31	-81.97

APPENDIX 2 – GIV QC Checklist

Flight ID:	20170823N1
Flight Director(s):	Sears/Williams

Pressure Comparison		
	T/O	Land
Aircraft	1: 1006.9 2: 1008.7	1: 1006.8 2: 1008.2
Tower	1008.3	1008.1
Time	1812	0210

UWZ.d mean: 0.13 (pda & pdb 1)

	Raw 1Hz Mean File Parameters				C File Parameters	
Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1		AccZref	
	AccAXI.2	AccAYI.2	AccAZI.2			
	AccAXI.3	AccAYI.3	AccAZI.3			
Altitude	AltGPS.1	AltI.1	AltPaADDU.1	AltBCADDU.1	ALTref	
	AltGPS.2	AltI.2	AltPaADDU.2	AltBCADDU.2	ALTPA.d	
	AltGPS.3	AltI.3	AltRA.1		ALTGA.d	
Ground Speed	GsXI-GPS.1	GsXI.1	GsGPS.1	GsXGPS.1	GSXref	
	GsXI-GPS.2	GsXI.2	GsGPS.2	GsXGPS.2	GSYref	
	GsYI-GPS.1	GsXI.3		GsYGPS.1	GSZref	
	GsYI-GPS.2	GsYI.1	GsZI.1	GsYGPS.2		
	GsZI-GPS.1	GsYI.2	GsZI.2	GsZGPS.1		
	GsZI-GPS.2	GsYI.3	GsZI.3	GsZGPS.2		
Lat/Lon	LatGPS.1	LatI.1	LonGPS.1	LonI.1	LATref	
	LatGPS.2	LatI.2	LonGPS.2	LonI.2	LONref	
	LatGPS.3		LonGPS.3			
Pressure	PDALPHA.1	PQALPHA.1	PQM.1	PSM.1	PDALPHaref	PQMref
	PDALPHA.2	PQALPHA.2	PQM.2	PSM.2	PDBETAref	PQ.c
	PDBETA.1	PQBETA.1	PQM.11	PSM.11	PQALPHaref	PSMref
	PDBETA.2	PQBETA.2			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	TTM.11	TDM.1		TD.c	TTMref
	TTM.2	TTM.13	TDM.2		TDMref	TA.d
	TTM.3	TTM.4	TDM.11			
Miscellaneous (must check)					UWZ.d	WS.d
					DPJ_WSZ	WD.d
					HUM	

Mission Documents:

<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"/>	Trackplot

NOTES: AltRA Dropouts throughout the flight
 TTM.1 dropout from 2010Z to 2032Z. TTM.4 is reference