	FLI	GHT INI	FORMA	TION	1			CREW	ANIFEST		MISSION INF	ORMATIO	ON	
FLT ID:	20180928	H1	FLT #:				AC:	PRICE	Scientists:	Pressure		Dropsondes		es
From:	MRLB		ETD:				CD(a);	KAHN	ZAWISLAK	A/C Takeoff		Good	Bad	Sent
To:	MRLB		ETA:			CP(s):	ROSSI	ROGERS	A/C Takeon		10	1	12	
E	Block Time			Flight Time			Nav(s): RICHARDS ZHANG	Wx Station		18	Ÿ	17		
Int		2117	In:		2	113	Nav(s).		Takeoff			BTs		
In:		2117			2	115	FE(s)	SANCHEZ		A/C Land		Good	Bad	Sent
Out		1240	Out		1	256	FE(S)	LALONDE	SAPP	A/C Land				
Out:		1249	Out:		L	200	FD(s):	Sears		Wx Station				
Total		8.5	Total:			8.3	FD(S).		Visitors:	Land				
Total: 8.5 Total:			0.5	SEB:	MASCARO		Storm Number	er ID:						
Sponsoring Org: HRD				SED.	GREENE		(ie: AL072012	2)						
Program:				SSA:	MCALISTER		TCPOD/WSP	OD Mission	1					
Durnoo		EP96 GENESIS				55A.			(ie: NOAA2 24	418A SANDY)				
Purpose	ð.	EP90	GENES	15			AVAPS:			OBSERV		ATIONS		
	AS RE	QUIRED	BY OF	RM	Y	Ν		REM	IARKS	Fix Number	Obs Number	Fix Time	e	SLP
VOLCA	NIC ASH					X								
SCIEN	CE MISSIO	N WITH	IN BDR	Y LAYER		Х								
LACK C	OF PRECIP	ITATIO	N			Х								
RELATIVE HUMIDITY ≥ 80%		Х			,									
LARGE AIR-SEA TEMP GRADIENT		Х			~									
HIGH SURFACE WINDS X														
LONG FETCH / DURATION OF SFC WND X														
SEA SA	ALT ACCR	ETION F	ORECA	AST		Х								
SEA SA	ALT ACCR	ETION C	BSER	/ED								1		

Cockpit Gmax:

Gmin:

N42RF ERROR SUMMARY 20180928H1

Flight ID: 20180928H1

Sensor or System	Number or Name
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.1
Dewpoint Temp. Probe	TDM.2
Vertical Accelerometer	AccZfilterI-GPS.1
Altimeter	AltGPS.3
INE Selection	1
Differential Attack Pressure Probe	PDALPHA.1
Differential Sideslip Pressure Probe	PDBETA.1
Dynamic Attack Pressure Probe	PQALPHA.1
Dynamic Sideslip Pressure Probe	PQBETA.1

Flight Directory

acdata/2018/MET/20180928H1

Local	Met Data	Takeoff MRL	B (1256Z)	Landing MRLB	(2114Z)
	Dynamic Correctio	ons		Yes	
	AttackAngleInter	cept		2.31252	
	AttackAngleSlope		6.06758		
	SlipAngleInterce		0.4295		
	SlipAngleSlope			7.17033	
	SlipAngleInterce		0.4295		

Notes:

There were no edits made in the measured parameters used to calculate meteorological and navigational parameters.

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

Note: QC accomplished by Mike Holmes (mike.holmes@noaa.gov).

PDAlpha.2 INOP. This instrument failure did not affect the real-time collection or the post processed data as is was not seleceted as the source instrument.

<pre># deployed</pre>	# good	<pre># transmitted</pre>
18	17	17
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

Flight Director: Sears
Phone #:

ACAT-4 Version = 7.2.2

APPENDIX 1 – P3 QC Checklist

Flight ID:	20180928141
Flight Director(s):	Sears

Pressure Comparison								
	T/O	Land						
Aircraft	1001	Ę						
Tower	1001							

UWZ.d mean: -0.02 m/s

		Raw 1Hz Mea	C File	C File Parameters		
Accelerometer	AccAXI.1	LÁCCAYI.1	AccAZI.1	AccZfilter-GPS.1	AccZref	
t	AccAXI.2	AccAYI.2	AccAZI.2	Acc-Zfilter-GPS.2		
	AecAXI-GPS.1	AceAYI-GPS.1	AccAZI-GPS.:	1		
	AccAXI-GPS.2	AccAYI-GPS.2	AccAZI-GPS.2	2		
Altitude	AltGPS.1	Alti-GPS.1	AltPaADDU.	AltRA.1	ALTref	AltRA1.c
	AltGPS.2	Alti-GPS.2	AltBCADDU.	AltRA.2	ALTPA.d	AltRA2.c
	AltGPS.3				ALTGA.d	
	4AltGPS.4					
Ground Speed	GsXI-GPS.1	GsYl-GPS.1	GsZI-GPS.1	-	e-GSXref	_
	GsXI-GPS.2	GsYI-GPS.2	GsZl-GPS.2		GSYref .]
					GSZref	
Lat/Lon	LatGPS.1	Lati-GPS.1	LonGPS.1	Loni-GPS.1	LATref	4
	LatGPS.2	♥Lati-GPS.2	LonGPS.2	4Loni-GPS.2	LONref	
	LatGPS.3		LonGPS.3	4		
1	LatGPS.4		LatGPS.4	1/	<u>+ 2 </u>	, <u> </u>
Pressure	PDALPHA.1	POALPHA.1	POMIT		PDALPHAref	
	PDALPHA.2	PQBETA.1	PQM.2	The second se	PDBETAref	PQ.c
	PDBETA.1		PQM.3	PTM.1	POALPHAref	PSMref
	PDBETA.2		PQM.4		PQBETAref	PS.c
Air Speed	CasADDU.1	TasADDU.1	TasADDU.1		JAS.d	TAS.d
√Pitch/Roll	Pitchl.1	PitchRateI.1	Roll1.1	CRollRatel.1	PITCHref	
	PitchI.2	PitchRate1.2	RollL2	RollRatel.2	ROLLref	
	PitchI.3	PitchRate1.3	Roll1.3	RollRatel.3		
Yfemp/Dewpt		TDM-1	TRadD.1	1	TD.c	
	TTM.2	TDM.2	TRadS.1	4	TDMref	TA.d
	TTM.3	TDM.3	TRadU.1			<u>'</u>
Miscellaneous				5		4ws.d
(must check)				4		₩D.d
,					НИМ	

FLID_Mission_Documents.pdf:

ĩ	Error Summary
~	Crew Manifest
6	QC checklist
6	Dropwindsonde Log(s) – AVAPS and FD if completed
Bee	Flight Track
-	Miscellaneous FD notes

NOTES: PUP/Phane Inuf.

NOAA • AOC • SEDN42RF AVAPS DROP LOGLead Tech: Mike Mascarourricane 2018Mission: Costa Rica GenesisFlight ID: 20180925H10760LLanding: ______Flt Dir : Searce

Project: Hurricane	2018
Take Off : 0760	-

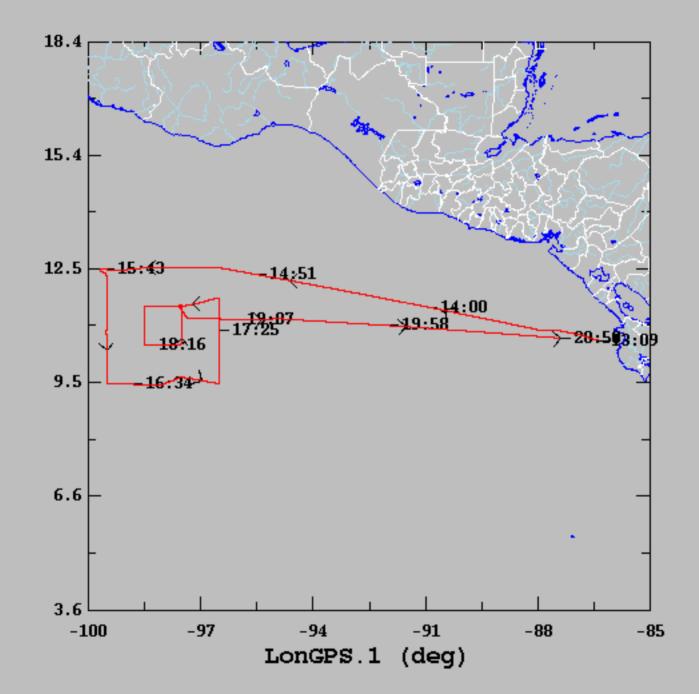
内

J:

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	1640/5174		-0.4	1504	MAC	HRO	ROAL POINT	\bigvee
2	163835116	2	+0.1	1516			ROAU Pt2	\checkmark
3	164545040	3	+0.3	1529			R094 Pt 3	V
4	122225069	4	-0.6	15413			IR PH4	
5	163835127	(Ø	1558			ROAY Pt5	\checkmark
6	16353021	2.		1611			RO94 PtG	\checkmark
7	122225063		-1.6	1624			IR PT7	
8	164015143	4		1638			RD94 PT 8	
9	163025026	The second second	Ø	1651			RIP94 PT9	\bigvee
10	122225071	• 1	-1.3	1707		a anna anna anna anna anna anna anna a	IR PTID Fail	FF
11	164625212	2	+0.3	1711			RID94 PTIO Back	\checkmark
12	164615110	3	B	1719			RD94 PT11	
	164445103	4	-1.2	1733			RO94 PT12	\bigvee
-14	163615050	2	41.1	1749			RD94 PT13	\checkmark
15	122225074	- 1	+1.4	1803	-		IR PT14	\checkmark
16	164345189		+0.2	1816			RD94 PT15	\checkmark
17	163835126	3	Ø	1829			RD94 PT16	
18	164345188	4	-0.1	1843	MAC	HRD	RD94 PT17	
19			1					
20							,	
21								
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31								
32								
33								
34							-	

20180928H1 Flight Track

2018-09-28, 13:09:32-20:50:00



LatGPS.1 LonGPS.1	(deg), (deg),	1	s/sec
LUNGPS.I	(ueg),	т.	sy sec

mean	sigma	min	max
11.14	0.82	9.47	12.50
-94.97	3.74	-99.66	-86.38