FLIGHT INFORMATION						CREW	MANIFEST		MISSION INFORMATION					
FLT ID:	20180927	H1	FLT #:				AC:	PRICE	Scientists	s: Pre	Pressure		Dropsondes	
From:	MRLB		ETD:				CD(a)	KAHN	ZAWISLAK	A/C Takeof	F	Good	Bad	Sent
То:	MRLB		ETA:				CP(s):	ROSSI	ROGERS	AVC TAKEON		10	1	1-
E	Block Time			Flight Time			Nav(s):	RICHARDS	ZHANG	Wx Station		18	(1
la.		2027	Ini		20	33	Nav(S).		CHANG	Takeoff	5		BTs	Ð
In:		2037	In:		20	33	FE(s)	SANCHEZ		A/C Land		Good	Bad	Sent
Out		1243	Out:		12	300	FE(S)	LALONDE	SAPP	A/C Lanu	2			
Out:		1243	Out.		15	000	FD(s):	Sears		Wx Station				
Tatal		7.0	Total			7.6	FD(S).	-	Visitors:					
Total:	Total: 7.9 Total:			1.0	SEB:	MASCARO		Storm Num	per ID:					
Sponsoring Org: HRD			SED.	GREENE		(ie: AL0720	12)							
Program:			SSA:	MCALISTER		TCPOD/WS	POD Mission							
Purpose: EP96 GENES			9			55A.			(ie: NOAA2	2418A SANDY)				
Purpose	J.	EF 90 C	JENES	5			AVAPS:				OBSERVATIO			
	AS RE	QUIRED	BY OF	M	Y	Ν	REMARKS		Fix Numbe	r Obs Number	Fix Time	е	SLP	
VOLCA	NIC ASH					Х		-	2					
SCIEN	CE MISSIO	N WITH	IN BDR	Y LAYER		Х								
LACK	OF PRECIP	ITATION	٧			Х								
RELAT	IVE HUMID	ITY ≥ 80	0%			Х								
LARGE AIR-SEA TEMP GRADIENT		Х					~							
HIGH SURFACE WINDS X		Х						7						
LONG FETCH / DURATION OF SFC WND X				u.										
SEA SALT ACCRETION FORECAST X														
SEA SA	ALT ACCRE	ETION C	BSER\	'ED		X								

Cockpit Gmax:

Gmin:

N42RF ERROR SUMMARY 20180927H1

Flight ID: 20180927H1

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/20180927H1

Met Data	Takeoff MRLB	(1300Z)	Landing MRLB (2033Z)
Dynamic Correctio	ons		Yes
AttackAngleInter	cept		2.31252
AttackAngleSlope			6.06758
SlipAngleInterce	ot		0.4295
SlipAngleSlope			7.17033
	Dynamic Correction AttackAngleInteron AttackAngleSlope SlipAngleIntercep	Dynamic Corrections AttackAngleIntercept AttackAngleSlope SlipAngleIntercept	Dynamic Corrections AttackAngleIntercept AttackAngleSlope SlipAngleIntercept

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 and PDBeta.2 failed during both the transit to and from the storm environment was. Neither of these instrument failures affected the real-time collection or the post processed data as neither were seleceted as the source instrument.

Expendable Type	<pre># deployed</pre>	# good	<pre># transmitted</pre>
Dropsondes	18	17	17
Test sondes	0	0	0
AXBTs	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Sears

APPENDIX 1 – P3 QC Checklist

Flight ID:	20180922141
Flight Director(s):	Sears

Pre	essure Con	nparison
	T/O	Land
Aircraft	1000	
Tower	1001	and the second se

UWZ.d mean: <u>-0.01 m/s</u>

	Raw 1H	C File Parameters			
ビAccelerometer	AccAXI.1 AccA	AccAZI.1	AccZfilter-GPS.1	AccZref	
,	AccAXI.2 AccA	/I.2 AccAZI.2	Acc-Zfilter-GPS.2	-	
	AccAXI-GPS.1 AccAN	I-GPS.1 AceAZI-GPS.1			
	AccAXI-GPS.2	1-GPS.2 AccAZI-GPS.2			
Altitude	LAItGPS.1 LAItI-G	PS.1 AltPaADDU.1	AltRA.1	ALTref	AltRA1.c
	AltGPS.2 AltI-G	PS.2 AltBCADDU.1	AltRA.2	ALTPA.d	AltRA2.c
	VAItGPS.3			ALTGA.d	
	AltGPS.4				
Ground Speed	GsXI-GPS.1 GsYI-G			GSXref	
	GsXI-GPS.2 GsYI-G	SPS.2 GsZI-GPS.2		GSYref .	
/			· · · · · ·	GSZref	
└_Lat/Lon	LatGPS.1 Lati-G		Loni-GPS.1	LATref	
	LatGPS.2 4Lati-G		Loni-GPS.2	LONref	
	LatGPS-3	LonGPS.3			
	LatGPS.4	LatGPS.4		<u>т т т т т т т т т т т т т т т т т т т </u>	<u>`</u>
Pressure	PDALPHA.1 POALP			PDALPHAref	
	PDALPHA.2 4POBET		· · · · ·		4 PQ.c
jer note >>	PDBETA 1				PSMref
	PDBETA.2	PQM.4			PS.c
Air Speed	CasADDU.1 TasADI		Contraction of the local division of the loc		TAS.d
Pitch/Roll	Pitchl.1 PitchRa			PITCHref	
.	Pitchl.2 PitchRa			ROLLref	
14 15	Piteht 3 PitchRa	and the second	RollRatel.3		
4Temp/Dewpt	IIM.1 (TOM.1	TRadD.1			TTMiref
-	TTM.2 TDM.2		-	TDMref	TA.d
10 diago llong a sur	TTM.3 TDM.3	TRadU.1			·~
(Miscellaneous					WS.d
(must check)					WD.d
,				НИМ	

FLID_Mission_Documents.pdf:

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

NOTES:

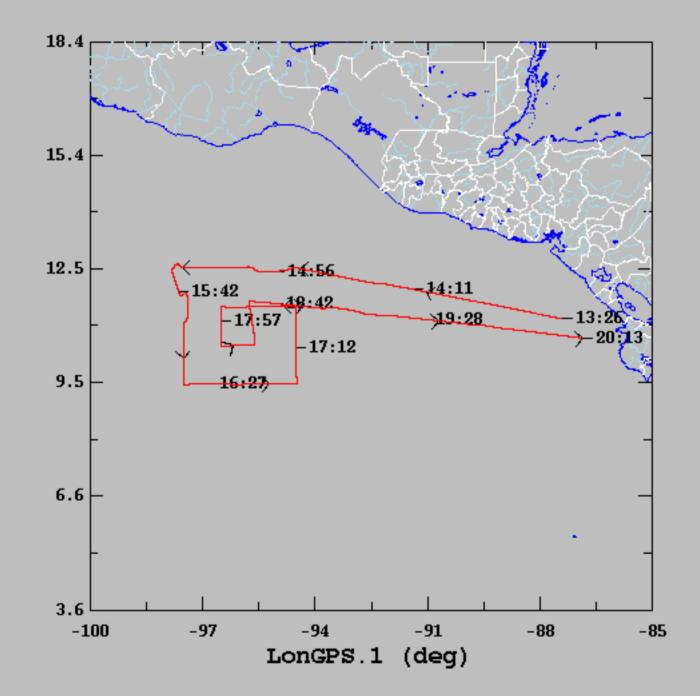
PDA/pha. 2 IMOP. PDBeta. 2 failed during transit to and from storm eac.

NOAA • AOC • SEDN42RF AVAPS DROP LOGLead Tech: Mike MascaroProject: Hurricane 2018Mission: Costa Rica GavesisFlight ID: 20150927H1Take Off: 0700Landing: Fit Dir: Searce

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	122225066	1	-1.4	Ick 9	MAC	HRO	IR/Combo/Point 1	\checkmark
2	163455113	2	Ø	1502			RO94 Point 2	\checkmark
3	163025043		ø	1515			RO94 Point 3	\checkmark
4	122225078	1	-1.Ø	1528		-	IR/Combs/Point-4	\checkmark
5	163615065	2	ø	1549			RID94 Paint 5	\checkmark
6	164545036	1	-Ø.1	1604			RO94 Point 6 Fet	FF
7	164625174	2	Ø	1608			R0914 Buckup Points	\checkmark
8	122225062	· · J ·	-1.5	1618		-	1R/BT Combo Poist 7	\checkmark
9	163025040	2	ø	1632			RUGY Poist 8 Opsies	
10	164625189	3	Ø	1633			RD94 Poit & back	\checkmark
11	164615111	l	Ø	1645			RO94 Point 9	\checkmark
12	122225075	3	-1.5.	1659			IR/BT Combo Poite 18	
13	163025057	2	Ø	1713			RO94 Print11	\checkmark
14	1632-35029	l		1726			1024 Point 12	\checkmark
15	164015187	3		1739			RD94 Bint 13	$\overline{\checkmark}$
16	163255047	2	Ø	1752			RD94 Point 14	
17	154215118	-	-0.5	1806		+	RID94 Point-15	\checkmark
18	64015164	3	-0.2	1818	-	1000	RO94 Point 16	
19	1644415103	2	-1.0	~	0			
20								
21								
22								
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28								
29 30								
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31								
32								
34								

20190927H1 Flight Track

2018-09-27, 13:26:26-20:13:19



LatGPS.1 (deg)

LatG	PS.1 PS.1	(deg), (deg),	1	s/sec
LOUG	E3.I	(ucy),	н.	37 360

mean	sigma	min	max
11.22	0.88	9.46	12.59
-93.94	3.00	-97.81	-86.84