### NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

	FL	GHT IN	FORMA	NOITA				CREW M	IANIFEST		MISSION IN	FORMATI	ON	
FLT ID:	20181008	H1	FLT#:	1			AC:	Price	Scientists:	Pres	sure	D	ropsond	es
From:	KLAL		ETD:	2000Z			0.00	Mitchell		A 10 T 1 T		Good	Bad	Sent
To:	KLAL		ETA:	0400Z			CP(s):	Rossi	Kelly Ryan (HRD)	A/C Takeoff			· ·	. 5
E	Block Time	•		Flight Time			Manufali	Freeman	Joe Cione	Wx Station		18	1	18
	25.	-h		10-10	,		Nav(s):		Josh Wadler (UM)	Takeoff			BTs	
In:	023	6	ln:	0249			FF(-)	Sanchez	Stephanie Stevenson (NHC/CII	1/011		Good	Bad	Sent
Out			Out	/ . D &			FE(s)	Heystek	Joe Sapp (NESDIS)	A/C Land				
Out:	1995	950 Out:		2009			ED/o):	Holmes		Wx Station		27	3	27
Total:	7.	1	Total: + 9				FD(s):		Visitors:	Land				
IUIAI.	11	1	Total:	6.8		i i	SEB:			Storm Number	er ID:	AL14201	18	
Sponso	ring Org:	EMC					SLD.	Greene	David Keith (AOL)	(ie: AL072012)				
Progran	n:	PRX					SSA: Mascaro			TCPOD/WSPOD Mission NOAA2 0614A MICHA				11CHAE
Purpose	a.	Hurric	ane MIC	`HΔFI			33A.			(ie: NOAA2 2418A SANDY)				
пироз		Humo	and mic	MALL			AVAPS:	MacAlister			OBSER	VATIONS		
	AS RE	QUIRE	D BY OF	RM	Y	N	REMARKS			Fix Number	Obs Number	Fix Time	е	SLP
VOLCA	NIC ASH					X						£ x.		
SCIENC	CE MISSIC	N WITH	IIN BDR	Y LAYER	X				A					
LACK C	F PRECIF	ITATIO	N			X	3 x	· Hurriran	r Penny's					
RELATI	VE HUMIC	ITY ≥ 8	0%		X		~~							
LARGE AIR-SEA TEMP GRADIENT X				X										
HIGH SURFACE WINDS X														
LONG FETCH / DURATION OF SFC WND X X				X										
SEA SALT ACCRETION FORECAST X														

## N42RF ERROR SUMMARY 20181008H1

#### Flight ID: 20181008H1

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/20181008H1

Local	Met Data	Takeoff	KLAL	(2001Z)	Landing	KLAL	(0249Z)
	Dynamic Correction	ons			Y∈	S	
	AttackAngleInterd	cept			2.	31252	
	AttackAngleSlope		6.06758				
	SlipAngleIntercep	ot			0.	4295	
	SlipAngleSlope				7.	17033	

#### 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.

PDAlpha.2 Inop. This failure did not affect the real-time or post processed collection as PDAlpha.1 was used as the source for both.

Expendable Type	# deployed	# good	<pre># transmitted</pre>
Dropsondes	19	18	18
Test sondes	0	0	0
AXBTs	30	27	27
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Holmes
Phone #: 863-500-3983

ACAT-4 Version = 7.2.2

## APPENDIX 1 – P3 QC Checklist

Flight ID:	2018 10 08 HI
Flight Director(s):	Holmes

Pressure Comparison								
T/O Land								
Aircraft	1008	Company of the Control of the Contro						
Tower	1009							

UWZ.d mean: 0.05 m/s

	l R	aw 1Hz Mea	an File Param	otors	CEILO	Parameters
1/4		-				raiameteis
Accelerometer		AccAYI.1	AccAZI.1	AccZfilter-GPS.1	4AccZref	
,	VAccAXI.2	AccAYI.2	AccAZI.2	Acc-Zfilter-GPS.2	1	
	4AccAXI-GPS.1	AecAYI-GPS.1				
	AccAXI-GPS.2	AccAYI-GPS.2	AccAZI-GPS.2			
Altitude	u AltGPS.1	Alti-GPS.1	AltPaADDU.1	AltRA.1	ALTref	4AltRA1.c
	AltGP\$.2	AltI-GPS.2	AltBCADDU.1	AltRA.2	ALTPA.d	4AltRA2.c
	AltGPS.3				ALTGA.d	
, .	AltGPS.4					-
Ground Speed	GsXI-GPS.1	GşYI-GPS.1	GşZI-GPS.1		<b>L</b> GSXref	
-	GsXI-GPS.2	GsYI-GPS.2	GsZI-GPS.2		( GSYref	1
/				_	SZref	1
4Lat/Lon	VLatGPS.1	Lati-GPS.1	LonGPS.1	CLoni-GPS.1	LATref	
	LatGPS.2	Lati-GPS.2	LonGPS.2	Loni-GPS.2	LONref	1
	LatGPS.3		LonGPS.3		1	1
/	LatGPS.4		LatGPS.4			
YPressure	PDALPHA.1	PQALPHA.1	POM-1	4PSM-1	PDALPHAref	4PQMref
	PDALPHA.2	PQBETA.1	PQM.2		PDBETAref	₽Q.c
1	PDBETA.1		PQM.3		PQALPHAref	7
f	PDBETA.2		PQM.4	·	PQBETAref	4PS.c
YAir Speed	CasADDU.1	TasADDU.1	HasADDU.1		LHAS.d	CFAS.d
Pitch/Roll	Pitchl.1	PitchRateI.1	Kolli.1	RollRatel.1	PITCHref	
	Pjtchl.2	PjtchRate1.2	Roffi.2	RollRatel.2	ROLLref	
	<del></del>	17	Rolli.3	RollRatel.3		
Utemp/Dewpt	MM.1	TDM-1	TRadD.1		TD.c	4TTMref
- · · ·	TTM.2	TDM-2	TRadS.1	-	TDMref	VA.d
, .		TDM.3	TRadU.1	ŀ		1
Miscellaneous	<u></u>	<u> </u>			ywz.d	Yws.d
(must check)				h	DPJ_WSZ	WD.d
/					HUM	1

FLID\_Mission\_Documents.pdf:

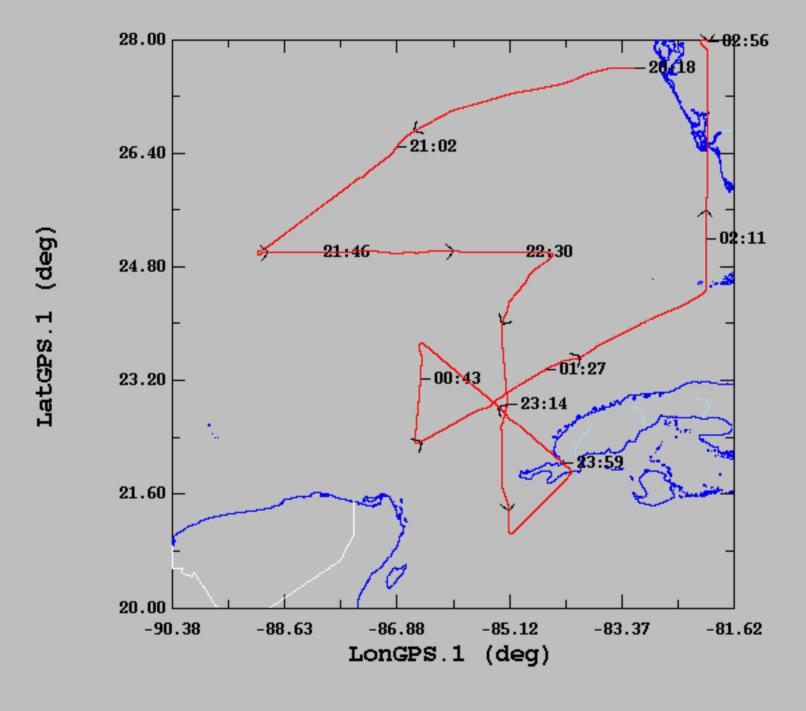
U	щ	_bocuments.par.
	V	Error Summary
Γ	V	Crew Manifest
	V	QC checklist
		Dropwindsonde Log(s) – AVAPS and FD if completed
		Flight Track
		Miscellaneous FD notes

NOTES:

PUAlpha. Z Inop

# 20181008H1 Flight Track

2018-10-08, 20:18:11-26:56:00



Flight Number 20181008H1

		Takeoff Time					Lą	inding Time				
	,	Storm_	MICHA	EC		on the state of th		Team				
	Drop Number	AXCTD AXBT AXCP	Channel Number	Serial Number	Actual Drop Time	Actual Latitude	Actual Longitude	SST	H26	Marantz Track Number	File Name	Comments
	1	BTD	12		-							
	2	CP	14	10061018						·		
Allocorus/Jelle	3	CP	16	10081064								
ð -	4	BTD	12	,								
>	5	CT	14	13041196	. '	•						
V	6	CP	. 16	10091001								
0	7	CP	12	09081043								
Ņ	8	CP	14	15051000								
1	9	CT	16	13041220								
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Ŋ	11	c۵	14	11011012								
2	12	CP	16	11031021			:					
	(3	CT	12	10069034								
١	iq	BT	14									
	15	CP	16	11031015							/	
L	16	BTO	12									
	17	STO	regar									***
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	19						,					
	20											
	21											
	22		,									
	23				,							
	29	·										
	25											

NOAA • AOC • SED N42RF AVAPS DROP LOG Lead Tech: Mike Mascaro Project: Hurricane 2018

Take Off: 1600 L

Landing: FIt Dir: Holms

1   12225670	Drop #	Sonde Serial #	Rcvr #	Press Offset		Operato	r Charge \$\$ To	Comments	Good ?
2   132335102		122225070	40mm/str	-1.3	2144	MAC	PHX	Compa/Pt 18/12	<b>V</b>
3   (32335080)   -1.3   2839   MAC   PHY   Combo   PH   6   1   R     4   (32335126   1 -0.8   2257   MAC   Combo   R   PH   T   T     5   (63735128   2 -0.7   2349   MAC   Combo   R   Mid   PH   T     6   (163(15051   1 -0.5   23.99   MAC   Combo   R   Mid   PH     7   (3225020   2 -0.8   2330   Combo   R   Mid   PH     8   (43615(11)   3 -0.2   2340   Combo   R   Mid   PH     9   (43(25034   1 -0.3   0004   Combo   R   Mid   PH     10   (32355139   2 -1.2   0015   Combo   R   Mid   PH     11   (43(15084   3 +1.2   0018   2014   PASS OCT   Mid   Mid     12   (63835073   1 -0.6   6024   2014   2014   PASS OCT   Mid   Mid     13   (43(15076   2 -1.3   0035   2014   PASS OCT   Mid   Mid     14   (63(15110   3 -0.3   0059   2014   2014   PASS OCT   Mid   Mid     15   (63835(23   1   D   0)06   2014   Combo   Combo   Mid   Mid     16   (49(125001   2 -1.0   0)106   2014   Combo   Mid   Mid     17   (3223-171   3 -1.6   0)106   2014   Combo   Mid   Mid   Mid     18   (2225069   3 -1.5   0)38   R   Only   Mid   Mid   Mid     20   21   22   23   33     30   31   32   33     31   32   33     32   33   33		132335102	(	-0.8	2220	MAC	PHX		5
13283128		132335082		-1.3	2239	MAC	PHX	47	$\sqrt{}$
1636 505    1-0.3 2369 mac   Combo   Ceche   5t Bos   V   132225064   1-0.3 2369 mac   Combo   Ceche   5t Bos   V   8   (43615(11)   3-0.2240   Combo   1st Bestument   9   (63625034   1-0.3 0004   Combo   1st Bestument   10   13235 319   2-12 0015   Combo   2nd Bos		132335126	Agents	-0-8	2257	MAC		Combo/IR/P+17	$_{\ell}$
13225020   20.8 2330   Combo/IR Mid 15 cut \( \)   8   (43615(1)   3 -0.22340   Combo/IR Postumend     9   (43625634   1 -0.3 0004   Combo/IR/IT fost for the combo (2nd last start     10   13235 5   3 a a a a a a a a a a a a a a a a a a		163835128	2	-0.7	2304	MAC		Combo/N Mid Pt	$\sqrt{}$
13225000   20.8 2330   Combo/IR Mid 15 cot \( \)   8   (43615(1)   3 -0.2)340   Combo/IR Mid 15 cot \( \) \\ 9   (43625034   1 -0.3 0004   Combo/IR/19 lass start \( \) \\ 10   13235 5   39   2 - (.2 0015   Combo/IR/19 lass start \( \) \\ 11   (63615084   3 - 1.2 0015   2ml pass out Mid 16 \\   12   (63835073   -0.6 0024   2ml pass out Mid 16 \\   13   (43615076   2 - 1.3 0035   3ml pass Mid mid combo \\   14   (63615110   3 -0.3 0054   3ml pass Mid mid combo \\   15   (63835123   0 0106   3ml pass / combo \\   16   (6442500   2 - 1.0 0114   Cust 5 (combo \\   17   (3223-171   3 - 1.6 0115   3ml pass / combo \\   18   122225059   1 - 1.3 325   3ml pass / combo \\   19   132225064   3 - 1.5 0136   1R 0mly \\   20   21   22   23   30   30   31   32   33   33   33   33   34   34   34			( .	-0.3	2319	MAC			$\sqrt{}$
9 (63625034   -0.3 0004   Conbo /2ml this start   10   13235 5   39   2 - 1.2 0015   Conbo /18/1 this start   11   1636 5 084   3 - 1.2 0018   2nd pass out   mix ds   12   1638 5 5 073   -0.6 0024   2nd pass out   mix ds   13   (636 5 076   2 - 1.3 0035   2nd pass not tout   14   (636 5 076   2 - 1.3 0035   3nd pass Not tout   conbo   15   16   16   16   16   16   16   16   16   16				-0.8	2330			Combo/IR Mid 1st cut	$\sqrt{}$
10 13235   39   2 - 12 0015   Conto / 1/2 for /			3	-0.2	2340	The state of the s			encertain de la constant de la const
11 163615084 3 -1.2 co18 2 rd pass oct Min's  12 163855073 1 -0.6 co24 2 rd pass oct Min's  13 163615076 2 -1.3 co35 2 rd stribution be  14 16361510 3 -0.3 co54 3 rd pass /combo  15 16383123 1 0 0106 3 rd pass /combo  16 164425001 2 -1.0 C114 (cots 160 mins  17 (3223+171 3 -1.6 0110 3 rd pass /combo  18 12225064 3 -1.5 0136 1R Gnly  20  21  22  23  24  25  26  27  28  29  30  31  32  33						ACTION OF THE PARTY OF THE PART			
12 163858073   -0.6 004   21 <sup>12</sup> poss timbertend 13 (63615076 2 -1.3 0035   30d poss North mid conto 14 (6361510 3 -0.3 0054   30d poss North mid conto 15 (63835123   0006   30d poss North mid conto 16 (6442500   2 -1.0 0144   000   30d poss North mid conto 17 (3223+171   3 -1.6 016   30d poss North mid conto 18 (22225064 3 -1.5 0136   122225064   3 -1.5					0015	755 200 200 200 200 200 200 200 200 200 2		Conto /1R/21/pos / Centro	
13 (23615076 2 -13 0035 3 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3			3	-		ALL PROPERTY.		2nd pass out Milling	DA STATE OF THE ST
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15   G3735 23   D 0 06   3rd pass / combo   16   G442500   D -1.0 G114   Cat 5   Cambo   17   G3225 71   S -1.6 0 10   3rd out / May winds   18   22225059   1 -1.3   K25   Stat/end Atlanto 19   J3225064   S -1.5 0 36   IR Only   20   21   22   23   24   25   26   27   28   29   30   31   31   32   33	- 11					Mile Generalization			Collection of the Collection o
16   6442500   2 - 1.0   G114   Cont 5   Com 108   17   (3 223   7   3 - 1.6   0   10   3   2   0   1   1   1   18   22225059   1 - 1.3   425   5   2   5   1   20   21   22   23   24   25   26   27   28   29   30   31   32   33   31   32   33		./.	3.	~		N/A STEEL COMMA			
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