	FLI	GHT IN	FORMA	TION				CREW MA	NIFEST	Section .	MISSION IN	FORMATI	ON	
FLT ID:	20181009	H2	FLT #:	3			AC:	PRICE	Scientists:	Pres	sure	D	ropsond	es
From:	KLAL		ETD:	2000Z			CP(s):	ROSSI		A/C Takeoff		Good	Bad	Sent
To:	KLAL		ETA:	0430Z			CP(S).	MITCHKELL	Joe Cione (AOML)	A/C Takeon		28	ø	28
E	Block Time	1.1.1		Flight Time	•		Nav(s):	FREEMAN	Kelly Ryan (HRD)	Wx Station		20	Ø	20
In:		7	In:	05	-	/	Nav(S).		Alex Feist (Raytheon)	Takeoff		and the second	BTs	
	060	25		050) ~	>	FE(s)	HEYSTEK	Evan Kalina	A/C Land		Good	Bad	Sent
Out: 2/	200	>/	Out:	201	0		1 (3)	SANCHEZ	Stan Goldenberg (HRD)	A/O Lanu				,
Out.	200	<u> </u>	Out.	2016			FD(s):	HOLMES	Joe Sapp (NESDIS)	Wx Station	8	19	4	15
Total:	10.	D	Total:	9.	∇		1 D(3).		Visitors:	Land			<i>'</i>	
Total.		0	Total.	7 1	0				Storm Numbe	er ID:	AL14201	8		
Sponsor	ing Org:	EMC				1	OLD.	1	Josh Wadler	(ie: AL072012	2)			
Program: PRX			SSA:	MASCARO		TCPOD/WSPOD Mission		NOAA2 1314A MICHAE						
Purpose		TDR/C	rDR/Coyote						(ie: NOAA2 24	418A SANDY))			
, aipeee		10140					AVAPS: MCALISTER			OBSERVATIONS				
	AS REC	QUIRED	BY OR	M	Y	N		REMAR	RKS	Fix Number	Obs Number	Fix Time		SLP
VOLCA	VIC ASH					Х			1.6	1	/	8515	9	50
SCIENC	E MISSIO	N WITH	IN BDR'	Y LAYER		Х	7X PENNY CAT IL			7	5	230		55
LACK O	F PRECIPI	TATION	N			Х		-		3	5	0015		51
RELATI	/E HUMID	ITY ≥ 80	0%		Х	_	3× layote			4	4	OZID	9	48
LARGE	AIR-SEA T	EMP G	RADIEN	IT		Х	YX EMC							
HIGH SI	JRFACE W	INDS			X									
LONG FETCH / DURATION OF SFC WND X										_				
SEA SA	LT ACCRE	TION F	ORECA	ST		X								
SEA SA	LT ACCRE	TION O	BSERV	ED		1	7							

Cockpit Gmax:

Gmin:

N42RF ERROR SUMMARY 20181009H2

Flight ID: 20181009H2

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/20181009H2

Local	Met Data	Takeoff F	KLAL	(2010Z)	Landing KLAL	(0556Z)
	Dynamic Correctio	ons			Yes	
	AttackAngleInter	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	<pre># deployed</pre>	# good	<pre># transmitted</pre>
Dropsondes	28	28	28
Test sondes	0	0	0
AXBTs	23	19	19
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:	20181009H2
Flight Director(s):	Holmes

Pro	essure Con	nparison
-	T/O	Land
Aircraft	1004	
Tower	1004	

UWZ.d mean: 0.07m/s

	R	aw 1Hz Mea	n File Param	eters	C File	Parameters
Accelerometer	LACCAXI.1	VACCAYI.1	LAccAZI.1	AccZfilter-GPS.1	4 AccZref	
,	MACCAXI.2	AccAYI.2	AecAZI.2	Acc-Zfilter-GPS.2	·	
	AccAXI-GPS.1	AccAYI-GPS.1	AccAZI-GPS.1			
/	AccAXI-GPS.2	AccAYI-GPS.2	AccAZI-GPS.2	and the second		
VAltitude	AltGPS.1	Alti-GPS.1	4 AltPa ADDU.1	WAITRA.1	ALTref	AltBA1.c
	AHGRS.2	AltI-GPS.2	AltBCADDU.1	AltRA.2	ALTPA.d	AltRA2.c
	AltGPS.3				ALTGA.d	
	AltGPS.4			a fa da a cana a ca		
Ground Speed	GsXI-GPS.1	GsXI-GPS.1	GsZI-GPS.1		L GSXref	
	/ GsXI-GPS.2	GsYI-GPS.2	GsZI-GPS.2		GSYref	
					4GSZref	
Lat/Lon	LatGPS.1	Lati-GPS.1	LonGPS.1	4Loni-GPS.1	LATref	
	LatGPS.2	Lati-GPS.2	LonGPS.2	Loni-GPS.2	⊯ÓNref	
	LatGPS.3		LonGPS.3			
	LatGPS.4	$ \rightarrow $	LatGPS.4		1/	
GPressure	Concernation of the second s	POALPHA.1	UPOM-1	LPSM.1	PDALPHAref	
		POBETA.1	POM2		PDBETAref	4PQ.c
	PDBETA.1		PQM.3	PTM.1	UPOALPHAref	PSMref
	PDBETA.2	1	POM.4		UP QBETAref	4PS.c
Air Speed	CasADDU.1	TasADDU.1	flasADDU.1		LAS.d	4 TAS.d
Pitch/Roll	Pitchl.1	PitchRateI.1	RollI.1		PITCHref	
		PitchRateI.2	Roll.2		ROLLref	
		PitchRate1.3	Rolli.3	RollRatel.3	V 1	UP
ƳTemp∕Dewpt	MTM2	120	TRadD.1			TTMref
			TRadS.1 TRadU.1	H	TDMref	TA.d
Main and Langers	TTM.3	том.з	wikadu.1			1 contraction
Miscellaneous				-		4ws.d
(must check)				-	DPJ_WSZ	4WD.d
/					HUM	

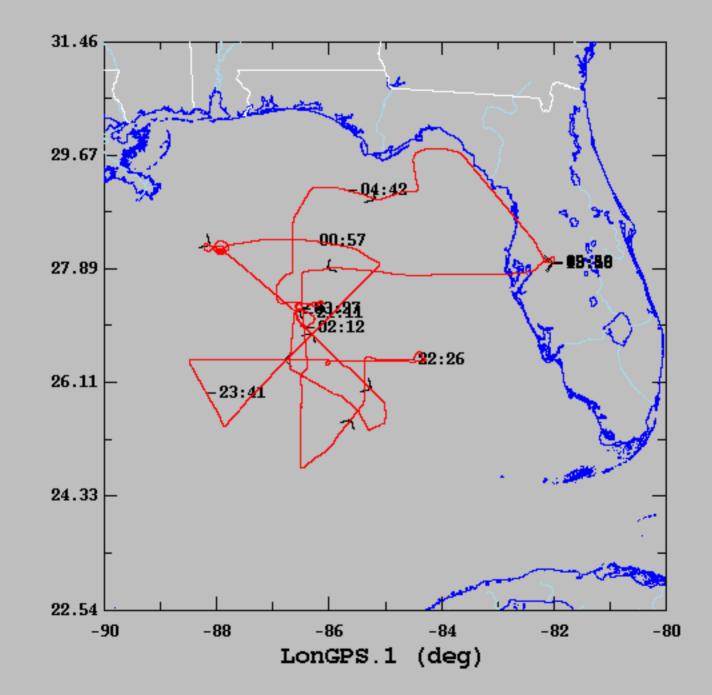
FLID_Mission_Documents.pdf:

	Error Summary
V	Crew Manifest
V	QC checklist
V	Propwindsonde Log(s) – AVAPS and FD if completed
Þ	Flight Track
V	Miscellaneous FD notes

NOTES: PDAlpha, 2 Inop...

20181009H2 Flight Track

10/09/2018, 18:40:57-29:58:05



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1

-	LatGPS.1	(deg),	1	s/sec
	LonGPS.1	(deg),	1	s/sec

mean	sigma	min	max
27.35	1.11	24.77	29.77
-85.37	1.90	-88.48	-81.97

NOAA • AOC • SED N42RF AVAPS DROP LOG Lead Tech: Mike Mascaro Project: Hurricane 2018 Mission: H. Michael Flight ID: 2018/1009/H 2 Take Off: Locol Flight ID: 2018/1009/H 2 Flight ID: 2018/1009/H 2

Take O	off: 1600L	Landing:	<u> </u>		Flt Di	r: (tolm	<u>e s</u>	
Drop #	Sonde Serial #	Rcvr #	Press Offset		Operator	Charge \$\$ To	Comments	Good ?
1	163255022	1	Ø	2161	MAC	PRX	Combo North Stpass	
2	162825072	2	Ø	2114)		Combo 15= pass 1= mid	J
3	132335138	.1	-1.15	2128	1		Combo 12 Center IR	
4	163025078	3	Ø	2142			Combo 1st pass and out	
5	163255020	4	Ø	2149			Combo 1stpass end point	
6	164015090	él .	Ø	2238			Combo, 2001 poss start point	\checkmark
7	162835003	2	6.1-	2252			Combo 2nd poss mid in	\checkmark
8	22225048	3	-1.6	2306			Combo/1R/2nd Center	
	1630250 81	4	Ø	2310			RMW/2nd pass lout wall	\checkmark
10	163535039		-0.2	2321			Combo/2nd pass/mid aut	\checkmark
	62825010	2	40.4	2333			Combo Drd pass / end point	V
12	63455255	3	Ø	2351	1		Combo Brokes Ktat	J
13	64625010	4	-0.1	0003	-		Combo/MidiIn/3rd	\checkmark
14	132335066			0015			Conbo/IB/Cento 1301	
15	164625015	2	-0.2	0019			RMW/3rd puss/outlound	
16	163835028	3	-0.8	0021	A LOCAL DEVICES		HRD request	
17	63025076	4	Ø	0030			Conbo/399 mid/out	\checkmark
18	163025082	e .		0041			Combo/3rd end poik	
19	163535040		-0.2	0144			Combo/412 stat-1P	
20	12065215	3	-0.9	0156			Combo 14th poss (mid poist	V
21	60625189	4	+1.0	0210			Centres (4 Mpars	V
	164015099			0213			RMW	\checkmark
	162815257			0230			Combo/4th poss / mid out N 4th pass/End Potist	aunch De
	16345524	2		02391	1		4th pass/End Point	
	12222 5080	P -	1.8	0331			Cayote sonde IR	
	132235082	1-23	ß	6339		a na	Cayote sonde IR DIR/Stopped Short	
	13205526	3		0342	c))) IR	
	132225060	4		0354	a de la companya de la company		1) MW/moe ages	
	1323450G7		-0.8	355	and the states in		1) MW Just-For Kicks/IR	
30	32335090		-1.8	0412	and the second		Just-for-kicks/1K	
31	14-955050-	3	4.0		the second s	100 million (100 m		
32							,	
33					•	as costrutur.		
34								