U.s	. Dep't. of Commerce / N	MAO / NOAA / Aircr	aft Operations Center	
FLT 10: 2611 07247	From: KN	174	TO: KNZ	v
FLT #:	Blk In: Ø	039 z	Lnd Time:	032z
ETD: 1700 Z	Blk Out:	653 z	T/O Time: [659 z
ETE: 7+1D	Total Blk:	7.8	Total Fit:	2,6
Sponsoring Org: HC	Program: H	FIP	Purpose:	RA
	AC	OC Flight Crew		-
Aircraft Commander: 4A	-VERSON	Data Syste	m: BOSKI	\supset
CO-PILOT: FERNS	1 HELSON	Avaps:	m: BOSKI RICHA	RDS
Navigator: FIDDER	1	System Eng		
Flight Eng: KLIPPEZ	DARBY	AA:		
Flt Director: SEARS /	PARRISH	AA:	1	
Avionics: OLN	ŧΥ	Crew Chief:		
Participating	Scientists, Visitors, & Ado	I'l Aircrew on back.	# of p back:	eople listed on
A/C - Takeo	ff Wx Station - T	akeoff A/	C - Land	Wx Station - Land
Pressure				
ATIS - Takeoff				
ATIS - Lànd				
Data Source Num	iber	Data Disp	osition / Date / Quality	
Flight Level Tapes			· · · · · · · · · · · · · · · · · · ·	
Radar Tapes				
Dropsondes	Good:	Bad: Se	ent:	
AXBT Ist other data sources on back in Remarks section.			· · ·	
Remarks (Storm Name, Mission I	D, Recco Times, Fix Time	es)	Recco Times: Fix #	Fix Time
Storm Name: 03044	ASIGG 3			
Mission ID:				

U.S. Dep't. of Co	nmerce / NMAO / NOAA / A	ircraf	t Operations Center
FLT ID:	T/O Time:	Z	Lnd Time: Z
Name (Last, First)	Activity on Aircraft		Affiliation
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Remarks:			
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	7,6	0	



N43RF ERROR SUMMARY EPAC Tropical Storm DORA MISSION



Flight ID: 20110724I1

Sensor or system	Number or Name
INE (for wind derivation)	INE1
Accelerometer	ACCI1
Temperature Probe	TT1
Dew Point Probe	TDM2X
Static Pressure	PSF
Dynamic Pressure	PQF1
Vert. Wind	ALTI1
Constants File	/acdata/adc/43 11v3.adc
Project Directory	/acdata/2011/MET/20110724I1

Notes:

There were no data gaps.

Dewpoint sensor 2 (TDM2 [EdgeTech]) generated erroneous data between 172910Z - 172916Z. The erroneous data were replaced with dewpoint sensor 1 (TDM1 [Buck]) output via direct substitution: TDM2 = TDM1.

During the flight there were instances where dewpoint temperature values exceeded derived ambient temperature values resulting in humidity values above 100%. These situations occurred during heavy precipitation events. All other instruments worked optimally during the flight.

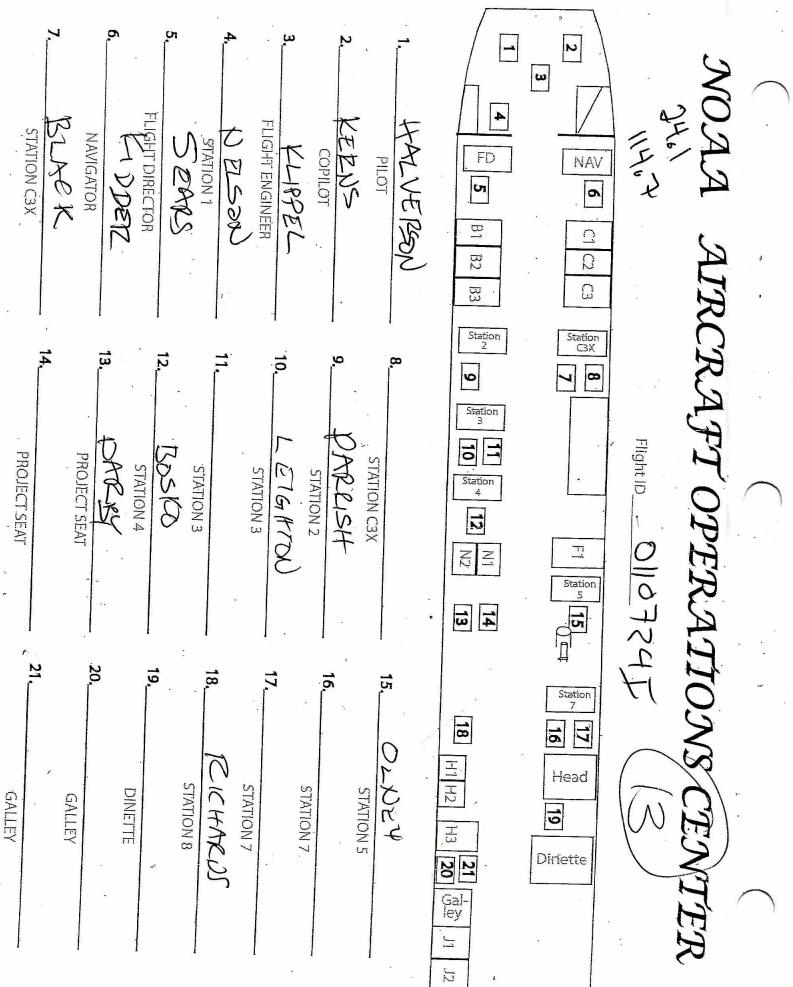
There were seventeen (17) GPS dropsondes deployed...17 good 1 bad. There were twelve (12) AXBTs deployed... 12 good 1 bad.

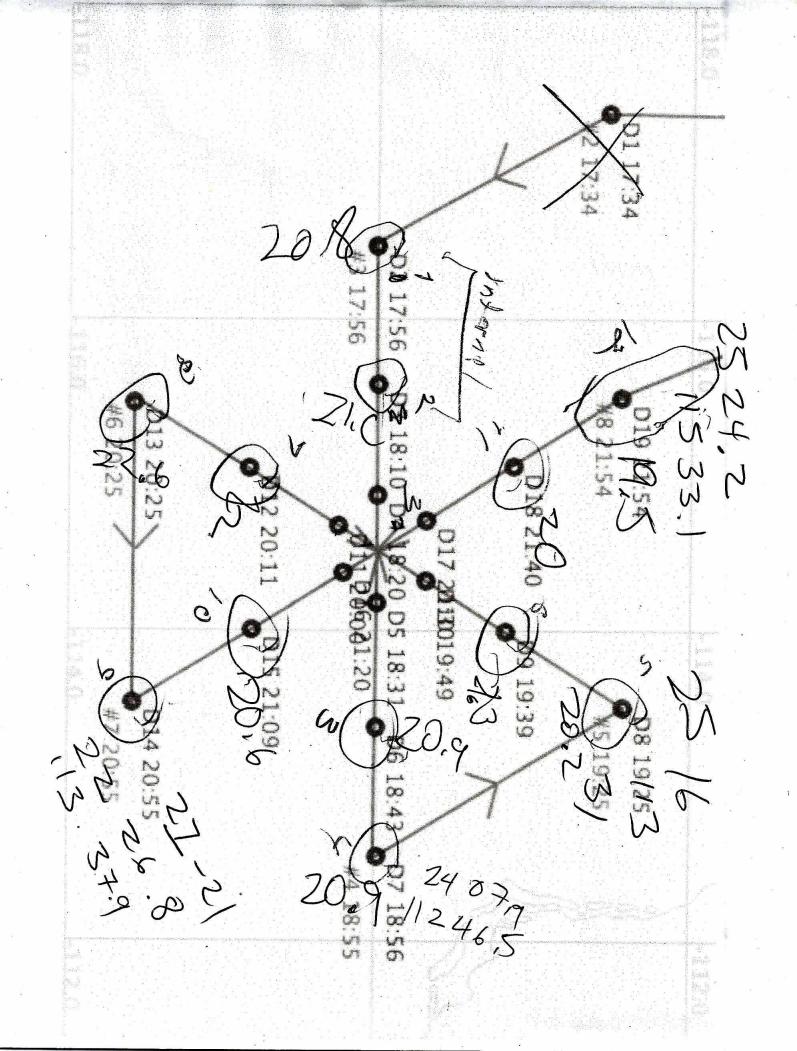
Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

SPECIAL NOTE!!! The variable names dpj_wgs, dpj_was and dpj_wz in the netCDF file represent vertical ground speeds, vertical air speeds and vertical wind speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

Takeoff(1659Z) Landing(0032Z)

Aircraft Static Pro	essure	1015.4mb	1014.5 mb
Corrected Tower	Pressure	1015.2mb	1014.3mb
Flight Director:	Ian Sears	(813) 828-3310 e	xt. 3039





DORA DAY 3 PASS!

1	Di	ATE	SCHE	DULED RX TIME	AIRCRAFT NUMBER	FLIGHT D	IRECTOR
	wx	MISSION IDENTIFIER	· ·		1 ·	 .	OB NUMBER
	V	DRTEX DATA MES	SAGE	=	······································	······	
	A	aging	Z	DATE and TIME of	f FIX	·····	
72	4	11408628M	Ň S	LATITUDE of FIX	· ·		
1	<u>ц</u> ,	29 DEG MIN	W E	LONGITUDE of FIX		an a a final - Sala Alla No	
ſ,	C	850 MB 199	TM	MINIMUM HEIGHT	of STANDARD LEVEL	*	
	D	33	KT .	ESTIMATE of MAX	IMUM SURFACE WIND OB	SERVED	
•	E	32 DEG 21	NM	BEARING and RAN	IGE FROM CENTER of MAX	IMUM SURI	FACE WIND
1	F2	58 DEG18	KT	MAXIMUM FLIGHT	LEVEL WIND NEAR CENT	ER	
	G	719 DEG 54	NM	BEARING and RAN	IGE FROM CENTER OF MA	XIMUM FLIC	SHT LEVEL WIND
	Н	1009	MB		EL PRESSURE COMPUTED		
		17 0/1420	-(M		LEVEL TEMP / PRESSURE		
l	J .	19 01/43	84	MAXIMUM FLIGHT	LEVEL TEMP / PRÉSSURE	ALTITUDE IN	ISIDE EYE
	K٠	180 0 19	E	DEWPOINT TEMP	SEA SURFACE TEMP INSI	DE EYE	
-	L	NA		EYE CHARACTER:	Closed wall, poorly define	d, open SŴ,	etc.
	M	NK		E - Elliptical. Transmit 170 to 350. Transmit di E09/15/5=Elliptical eye	ATION/DIAMETER: Code e orientation of the major axis in iameter in nautical miles. <i>Exam</i> , major axis 090-270, length of otric eye, diameter inner eye 8 t	tens of degre plés: C8= Circ major axis 15	es, i.e., 01-010 to 190; 17 - cular eye 8 miles in diameter. NM, length of minor axis
	N	1345		3-Wind; 4-Pressure; indicate both surfac	Y / FIX LEVEL. FIX DETERN 5-Temperature. FIX LEVEL ce and flight level centers 8-850mb; 7-700mb; 5-500	. (Indicate si ONLY when	urface center if visible; same): 0-Surface;
	0	() 2	NM	NAVIGATION FIX AC	CURACY / METEOROLOGI	ÇAL ACCUR	ACY
	P	REMARKS MAX FL W		8 5W	WIND NE	UKO F	T
۰.		MAX OU	ТВд	OND FL	WWO /	953	2
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		ZND	5	336	11.6	- 1923-193 		
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		MISSION IDENTIFIER					OB NUMBER	<u>.</u>
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	В	Z3DEGS9MIN	N S	LATITUDE of FIX	•			-
	ļ	114 DEG 34MIN	2 10 N 10 10 10 10	LONGITUDE of FIX				
	C	850MB 1498	ζм	MINIMUM HEIGHT of STANDAR	RD LÉVEL	~		
	D	NA	KT .	ESTIMATE of MAXIMUM SURFA	CE WIND OBSEI	RVED		
	E	NADEGNA	NM .	BEARING and RANGE FROM CE	NTER of MAXIN	IUM SURF	ACE WIND	
N.	F	64 DEG 0562=	j kt	MAXIMUM FLIGHT LEVEL WIND	NEAR CENTER	· · · · · · · · · · · · · · · · · · ·		V
	G	323 DEG 34	NM	BEARING and RANGE FROM CE	NTER OF MAXIN	AUM FLIG	HT LEVEL WIND)
	Н		MB	MINIMUM SEA LEVEL PRESSURI OLATED FROM FLIGHT LEVEL. I	E COMPUTED F	ROM DRO	PSONDE OR EX	TRAP-
\neg		19 0/1425	M	MAXIMUM FLIGHT LEVEL TEMP				·
L	ر ا	19 c/1446	M	MAXIMUM FLIGHT LEVEL TEMP	The first sector of the sector	and the second sec		1
	K-	18 01 21	C	DEWPOINT TEMP / SEA SURFAC			· · · · · · · · · · · · · · · · · · ·	
		NA		EYE CHARACTER: Closed wall,	oorly defined, a	open SŴ,	etc.	1.
-	M	NA		EYE SHAPE/ORIENTATION/DIAM E - Elliptical. Transmit orientation of th 170 to 350. Transmit diameter in nauti E09/15/5=Elliptical eye, major axis 090 5 NM. CO8-14=Concentric eye, diamet	ETER: Code eye s ne major axis in ter cal miles. <i>Examplè</i> -270, length of mai	shape as: C is of degree s: C8= Circu ior axis 15 N	- Circular, CO - Cor s, i.e., 01-010 to 19 Ilar eye 8 miles in	0; 17 -
	N	1. 3.4 B	8	-IX DETERMINED BY / FIX LEVEL. 3-Wind; 4-Pressure; 5-Temperatu indicate both surface and flight 1 -1500 ft; 9-925mb; 8-850mb; 7-7 NA-Other	re. FIX LEVEL (Ir evel centers ON	ndicate su ILY when	rface center if v same): 0-Surfa	visible;
0	2	1 / 1 N		VAVIGATION FIX ACCURACY / ME	TEOROLOGIÇA	Ľ ACĊURA	ΑCΫ	
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\cap	DATE		•	SCHE	DULED RX TIME	AIRCRAFT NUMBER	FLIGHT	DIRECTOR	
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,	A 2	4 7	2215	5 Ż	DATE and TIME	of FIX			
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	14	DEGU	ZMIN	WE	LONGITUDE of F	-iX	se to name any .		
	-85) MB	496	М	MINIMUM HEIGH	HT of STANDARD LEVEL			
)	NA	r	KT .	ESTIMATE of MA	XIMUM SURFACE WIND C	DBSERVED		
E	-	AFG-	F	NM	BEARING and RA	ANGE FROM CENTER of M	AXIMUM SUR	FACE WIND	
< F	170	DEG	30	КТ	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER				
0	5	t DEG (66	NM	BEARING and RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND				
F	1			MB	MINIMUM SEA L OLATED FROM F	EVEL PRESSURE COMPUT LIGHT LEVEL IF EXTRAPO	ED FROM DRO DLATED, CLAR	OPSONDE OR EXTRAP- IFY IN REMARKS.	
-	17	• C /		M	MAXIMUM FLIGH	T LEVEL TEMP / PRESSUR	RE ALTITUDE C	OUTSIDE EYE	
	18	C /		М	MAXIMUM FLIGH	HT LEVEL TEMP / PRÉSSUF	RE ALTITUDE II	NSIDE EYE	
K	18	· C /	Z. [.	C	DEWPOINT TEM	P/SEA SURFACE TEMP IN	SIDE EYE		
		N	1A-			Closed wall, poorly defi			
M		\mathcal{N}	X		E - Elliptical. Transm 1.70 to 350. Transmit E09/15/5=Elliptical e	NTAFION/DIAMETER: Cod it orientation of the major axis diameter in nautical miles. Ex eye, major axis 090-270, length centric eye, diameter inner eye	s in tens of degre camples: C8= Cin of major axis 15	ees, i.e., 01-010 to 190; 17 - cular eye 8 miles in diamete NM, length of minor axis	
٠N		34	Ś	2	3-Wind; 4-Pressur indicate both surf	BY / FIX LEVEL. FIX DETER e; 5-Temperature. FIX LEV face and flight level cente b; 8-850mb; 7-700mb; 5-5	/EL (Indicate s ers ONLY when	surface center if visible; n same): 0-Surface;	
0	<u> </u>	7	31	M	NAVIGATION FIX	ACCURACY / MÉTEOROLC	GIÇAL ACCU	RACY	
Ρ	REM	IARKS MA)	(FL WI		ZZ KT Z	12 3 QUAD 2104	Ζ'		
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NOAA · AOC · SED

N43RF AXBT DROP LOG

Project : Projerators : Take Off :	Hurricane '09 ろしいをハ	M Rich	ission : KRDS		← Flight ID : <u>201</u>	10724
Drop #	Drop Time	Channel				
1		Channel [2	Tube	Lot	Comments	Good
2	1914		F,F,	029	21.6c 22°C 21.3°c	·
	1926		F.F		220	~~~
My 56	1950		IC		21.3°c	
9	2003		24		20.20	
5	2029		ZB		19,5°C 20°C	
	2041		2C		20° -	
_7	2/04		3A		20.6°E	
89	2121		3B		22-6°C	
/	2147		YA		20.9°C	
12	2200		YB		20.9°C	
11	2225		IA		21. 00	V
12	2246		1B		20.8°C	
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