

WiFi Password:
castle&cookeaviation

U.S. Dep't. of Commerce / OMAO / NOAA / Aircraft Operations Center

27.51
8229.6

WXWXE
HD UADN
Def UZAN

FLT ID: 20140804N1	From: KMCF / LGBT	To: LGBT / P4DL
FLT #:	Blk In: 1748/0057 Z	Lnd Time: 1743/0046 Z
ETD: 1300 Z	Blk Out: 1259/1917 Z	T/O Time: 1308/1928 Z
ETE: 10 hrs	Total Blk: 4:49(4.3) / 5:40(5.7)	Total Flt: 4:35(4.6) 5:18(5.3)
Sponsoring Org: DIFC	Program: Seawillow	Purpose: Position

5.7
4.8
10.5

AOC Flight Crew	
Aircraft Commander: Moyers	SSA: C. Lynch
Co-Pilot: Mansow, Cowan	AVAPS: /
Navigator: Negron	Scientists:
Flight Eng:	Scientists
Flt Director: P. Frisby, Flaherty	Scientists
SEB: Hill, Muscare, Korneice	Scientists:
Crew Chief:	Visitors: / /

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1012.8 1014 8213.6	26/26 29.93 080/4 26/14 1014.2	1014.2	29.99 1015.6

AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH		
SCIENCE MISSION WITHIN BOUNDARY LAYER		
LACK OF PRECIPITATION		
RELATIVE HUMIDITY AT OR ABOVE 80%		
LARGE AIR-SEA TEMPERATURE GRADIENT		
HIGH SURFACE WINDS		
LONG FETCH AND/OR DURATION OF SFC WIND		
SEA SALT ACCRETION FORECAST		
SEA SALT ACCRETION OBSERVED		

Dropsondes	Good:	Bad:	Sent:
AXBT	Good:	Bad:	Sent:

List other data sources in Remarks section

Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	VDM Ob Num	Fix Time / SLP
Storm Number Identifier (VDM): (ie: AL072012)			
TCPOD/WSPOD Mission ID: (ie: NOAA2 2418A SANDY)			
Remarks:			

NOAA 0109C JSELLE



N49RF ERROR SUMMARY

Flight ID: 20140804N1, Hurricane Iselle Surveillance Position #1

SENSOR OR SYSTEM	NUMBER OR NAME
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.4
Dewpoint Temperature Probe	TDM.2
Vertical Accelerometer	AccZ1.1
Altimeter	AltGPS.3 (Novatel)
INE Selection	INE1
Dynamic Attack Pressure Probe	PDALPHA.2
Dynamic Sideslip Pressure Probe	PDBETA.2
Project Directory	/acdata/2014/MET/20140804N1

NOTES:

Data gap 123005-123152Z, 123205-123228Z, well before takeoff.

It was noted that for the corrected radar altimeter (AltRa1.c) output, there were 2 second data dropouts approximately every 90 seconds .

The radar altimeter (AltRa.1) experienced missing data for the following times: 133330Z-133800Z, 150730Z-151900Z.

SPECIAL NOTE!!! The variable names DPJ_GSZ, DPJ_ASZ and DPJ_WSZ in the netCDF file represent vertical ground speed, vertical air speed and vertical wind speed, respectively, computed using Dave Jorgensen's vertical wind

# Dropsondes Dropped	# Good Dropsondes	# Messages sent to NHC
0	0	0

Note: Messages were requested to not be transmitted off the plane.

	Takeoff (1308Z) @KMCF	Land (0142Z) @ KLGB
Aircraft Static Pressure	1014.0 mb	1014.2 mb
Corrected Tower Pressure	1014.2 mb	1015.6 mb



N49RF ERROR SUMMARY

Flight ID: 20140804N2, Hurricane Iselle Surveillance Position #2

SENSOR OR SYSTEM	NUMBER OR NAME
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.4
Dewpoint Temperature Probe	TDM.2
Vertical Accelerometer	AccZ1.1
Altimeter	AltGPS.3 (Novatel)
INE Selection	INE1
Dynamic Attack Pressure Probe	PDALPHA.2
Dynamic Sideslip Pressure Probe	PDBETA.2
Project Directory	/acdata/2014/MET/20140804N1

NOTES:

Data gap 185734Z-185921Z, well before takeoff.

It was noted that for the corrected radar altimeter (AltRa1.c) output, there were 2 second data dropouts approximately every 90 seconds .

The radar altimeter (AltRa.1) experienced missing data for the following times: 194431-194510Z.

SPECIAL NOTE!!! The variable names DPJ_GSZ, DPJ_ASZ and DPJ_WSZ in the netCDF file represent vertical ground speed, vertical air speed and vertical wind speed, respectively, computed using Dave Jorgensen's vertical wind

# Dropsondes Dropped	# Good Dropsondes	# Messages sent to NHC
0	0	0

Note: Messages were requested to not be transmitted off the plane.

	Takeoff (1928Z) @KLGB	Land (0046Z) @ PHNL
Aircraft Static Pressure		
Corrected Tower Pressure		

20140804NI	Lat	Lon	HDG	AllPA	Altra	TA	TD	PS	WD	
WS	UWZ	EVENT COMMENTS								
124014	27.8494	-82.4931	132.1981	-3.5	-1.2	30.50	23.87	1013.67	133.6422	3.00 0.42 TEST
125916	27.8494	-82.4931	132.1809	-4.5	-1.3	31.24	24.28	1013.79	138.3163	
3.70	0.49	block out								
130803	27.8380	-82.5321	39.7578	7.2	-1.3	28.62	24.78	1012.38	67.6845	
2.71	0.39	take off								
131714	28.3248	-82.5058	326.3922	4951.8	5178.7	-2.13	-9.56	543.54	34.7277	1.38 -0.91 climbing, over Tarpon
Springs										
133126	29.7753	-83.4826	331.7794	10389.0	10857.8	-41.44	-48.57	248.82	220.7246	
22.70	-0.38	pretty high over the Gulf								
134216	30.3775	-84.7107	276.2151	12212.8	12747.7	-56.03	-66.80	186.78	213.6610	
35.32	-0.19	Just past Talahassee.								
143226	31.7701	-91.8551	284.8838	12809.6	13298.5	-54.37	-67.41	170.00	336.3362	22.10 -0.39 Just W of the Miss
R.										
150603	32.5099	-96.5922	282.7886	12816.9	13298.3	-60.76	-70.69	169.81	327.3967	27.81 -0.03 just SE of Dallas
153042	32.9431	-100.1584	277.8601	12813.5	12893.6	-61.19	-71.61	169.90	306.5765	16.10 -0.20 initial approach
165941	33.5034	-113.2142	275.2173	10821.0	10948.4	-42.74	-65.45	232.62	236.7801	16.27 0.18
west of Phoenix										
172121	33.8712	-116.4625	273.9372	6003.9	6079.7	-10.56	-25.06	471.40	297.4107	14.37 -0.05 Near Palm Springs
173453	33.7370	-117.7325	249.1208	1746.0	1689.8	16.67	-2.79	820.27	273.5059	
9.27	0.45	outsirts of LA								
174229	33.7934	-118.1220	313.4073	145.9	163.1	23.37	19.58	995.83	199.0867	
3.25	1.29									
174311	33.8138	-118.1466	313.0053	-5.9	-1.2	26.07	19.40	1013.96	189.6375	
3.88	0.85	land								
174311	33.8138	-118.1466	313.0053	-5.9	-1.2	26.07	19.40	1013.96	189.6375	
3.88	0.85	block in KLGB								
191628	n.a.	n.a.	266.5822	0.000	-1.2	0.000	0.000	0.000	0.000	0.000 0.000 0.000
block out										
192740	n.a.	n.a.	313.0615	0.000	-1.2	0.000	0.000	0.000	0.000	0.000 0.000 0.000
take off										
193018	n.a.	n.a.	270.8401	0.000	1629.7	0.000	0.000	0.000	0.000	0.000 0.000 0.000
climb out										
193451	n.a.	n.a.	272.2440	0.000	4808.0	0.000	0.000	0.000	0.000	0.000 0.000 0.000
194454	34.2734	-119.8283	264.1552	0.000	n.a.	0.000	0.000	0.000	0.000	0.000 0.000 0.000
No nav data until now, prob with Screen 800 and HDOb.										
194526	34.2708	-119.9044	263.9608	0.000	9636.2	0.000	0.000	0.000	0.000	0.000 0.000 0.000
0.00										
194544	34.2692	-119.9475	264.0424	0.000	9827.0	0.000	0.000	0.000	0.000	0.000 0.000 0.000
0.00										
194544	34.2692	-119.9475	264.0424	0.000	9827.0	0.000	0.000	0.000		

195107	34.1400	-120.6672	244.7599	0.000	12083.8	0.000	0.000	0.000	0.000	0.000	0.000
0.00											
194544	34.2692	-119.9475	264.0424	0.000	9827.0	0.000	0.000	0.000	0.000	0.000	0.000
0.00											
195602	33.9338	-121.2802	242.8930	0.000	12972.2	0.000	0.000	0.000	0.000	0.000	0.000
0.00											
200217	33.6510	-122.1034	243.2814	0.000	13041.7	0.000	0.000	0.000	0.000	0.000	0.000
0.00											
200440	33.5390	-122.4240	243.6043	0.000	13017.4	0.000	0.000	0.000	0.000	0.000	0.000
0.00											
201818	33.1134	-124.3195	250.0409	0.000	12979.1	0.000	0.000	0.000	0.000	0.000	0.000
0.00											
test											
202043	33.0391	-124.6554	250.0951	41059.5	0.000	0.000					
203414	32.6028	-126.5305	251.4410	41044.1	0.000	0.000					
204235	32.3149	-127.6971	250.9293	12513.8	12973.18	-50.14	0.000	178.12	238.2872	15.64	-0.52
204459	32.2302	-128.0313	251.3631	13026.04	-50.84	176.59	236.7386	15.02	-0.74	0.000	0.000
205705	31.7846	-129.7229	250.9629	41549.8	43027.3	-51.93	173.94	249.3774	10.31	-0.58	0.000
205803	31.7476	-129.8591	251.0132	41630.5	43103.7	-51.76	-65.93	173.27	251.8229	8.53	-0.60
205882	31.7160	-129.9749	251.1354	41699.7	43187.5	-51.45	-65.97	172.69	254.2856	7.94	-0.71
Finished reconfiguring FD log, also JHill fixed HDObs about 1/2 hour ago.											
205930	31.6913	-130.0649	251.3401	41818.7	43313.5	-51.82	-66.00	171.71	261.6176	7.76	-0.65
However, probe heater prob too.											
212346	30.7194	-133.4141	253.8657	43012.1	44633.6	-58.38	-69.39	162.14	309.5929	21.36	-0.54
214434	29.8167	-136.2336	251.6350	42996.7	44667.2	-59.33	-70.64	162.26	321.7793	14.39	-0.69
220521	28.8500	-139.0179	250.3594	42994.2	44874.4	-61.04	-71.51	162.28	320.4278	17.48	-0.78
221854	28.1862	-140.8080	249.1754	42983.6	44898.0	-61.72	-71.82	162.36	331.9489	14.61	-0.68
223633	27.2797	-143.1235	246.4223	42996.1	44946.5	-61.04	-71.77	162.26	297.0581	9.95	-0.58
231643	25.1284	-148.1490	249.3060	43976.4	46071.2	-65.14	-74.30	154.79	321.5225	28.05	-0.59
232425	23.6988	-151.2012	245.1174	43965.7	46157.8	-65.28	-74.53	154.87	303.4398	19.48	-0.63
001023	22.2790	-154.5326	253.3576	43973.8	46213.4	-64.48	-73.99	154.81	271.1297	13.16	-0.69
before initial descent											
002047	21.9109	-155.8296	252.0727	43961.3	46194.3	-64.79	-74.28	154.90	247.8144	12.74	-0.64
descent											
004623	21.3145	-157.9263	51.5615	60.2	14.7	30.56	19.80	1011.04	39.5631	10.44	0.70
004623	21.3145	-157.9263									