Test 1 v8b Balcony high to mid RH

Environment

High to mid humidity changing condition on the balcony. Wet clothes and heated by an electrical heater. External fan always on.

Data Log Files

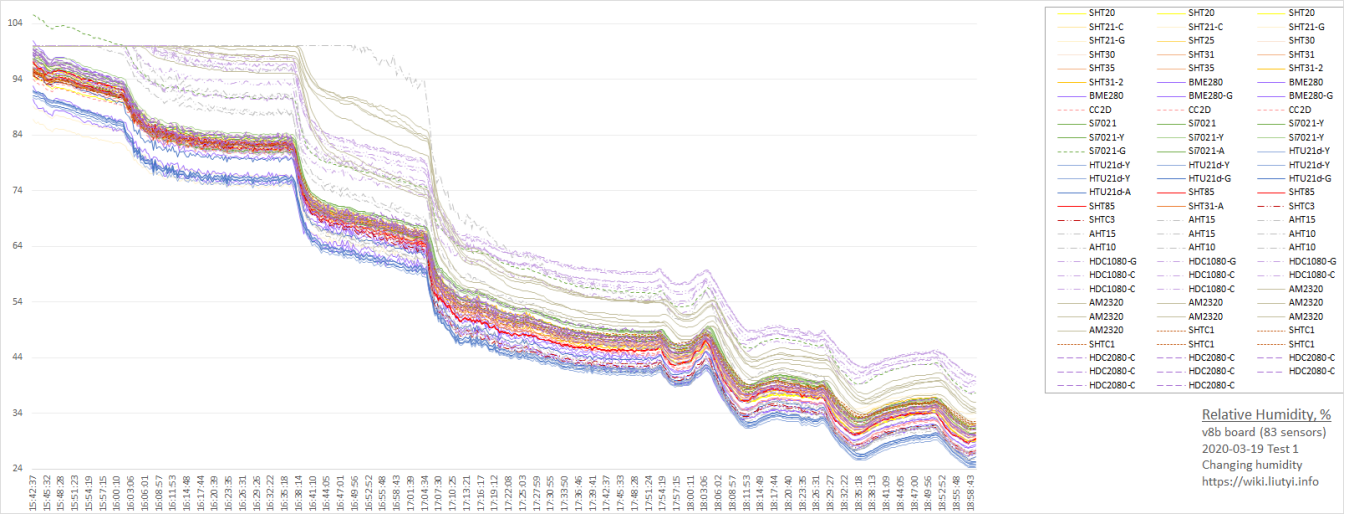
Data log	File
Humidity data	H_V8_014.zip
Temperature	T_V8_014.zip

Humidity

Overview

Humidity diff to SHT85 average (for the last data log row)

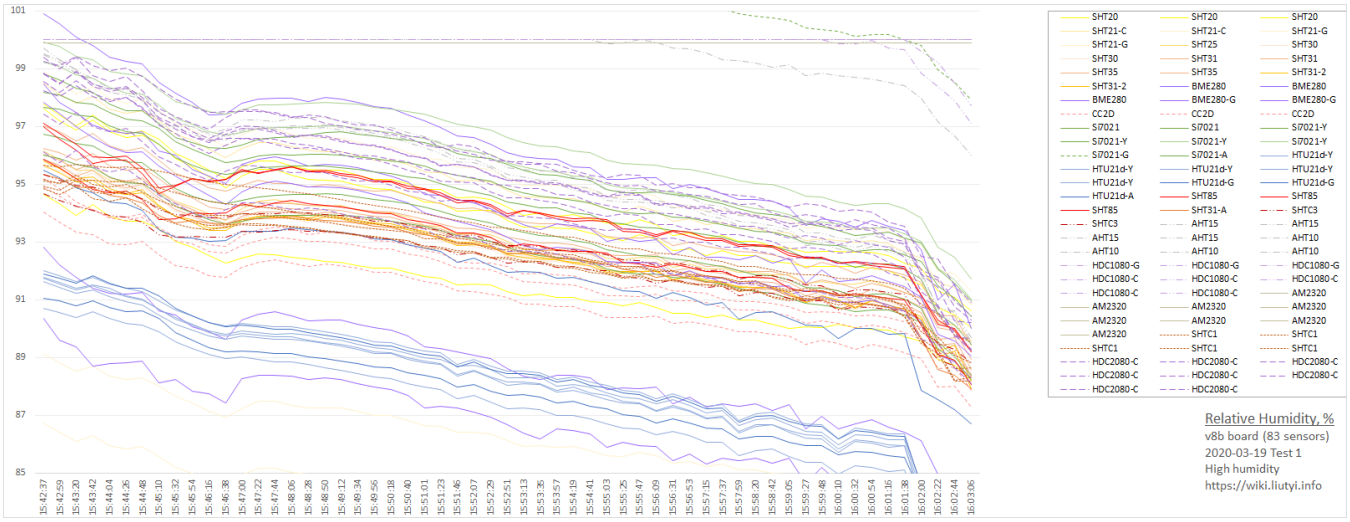
SHT2X	SHT3X	SHT8X	SHTC1	SHTC3	BME280	Si7021	HTU21d	HDC1080	HDC2080	AM2320	AHT10	AHT15	CC2D33
-0.24	1.02	-0.02	2.42	-2.40	-2.48	1.80	-5.15	10.64	0.00	0.54	-3.43	-2.37	-1.94
-0.32	0.40	-0.07	2.69	-1.97	-2.56	1.19	-4.80	8.73	-0.48	4.64	0.82	-2.79	-2.14
-0.20	1.10	0.10	2.66		-0.95	2.35	-4.26	9.82	0.60	5.34	-3.28	-1.96	-1.99
-0.13	1.25		3.09		-2.09	1.73	-4.21	9.87	0.93	4.94	-1.67	-2.59	
0.52	0.20		1.79		-1.19	1.89	-4.87	11.46	0.97	5.44			
3.76	2.89					1.91	-4.02	10.36	2.34	2.14			
4.67	0.98					8.33	-4.54	11.26	0.77	6.54			
1.86	0.55					2.06	-3.14	11.16	1.66	2.74			
	0.56												



Part 1. High Humidity

Humidity diff to SHT85 average (for the last data log row)

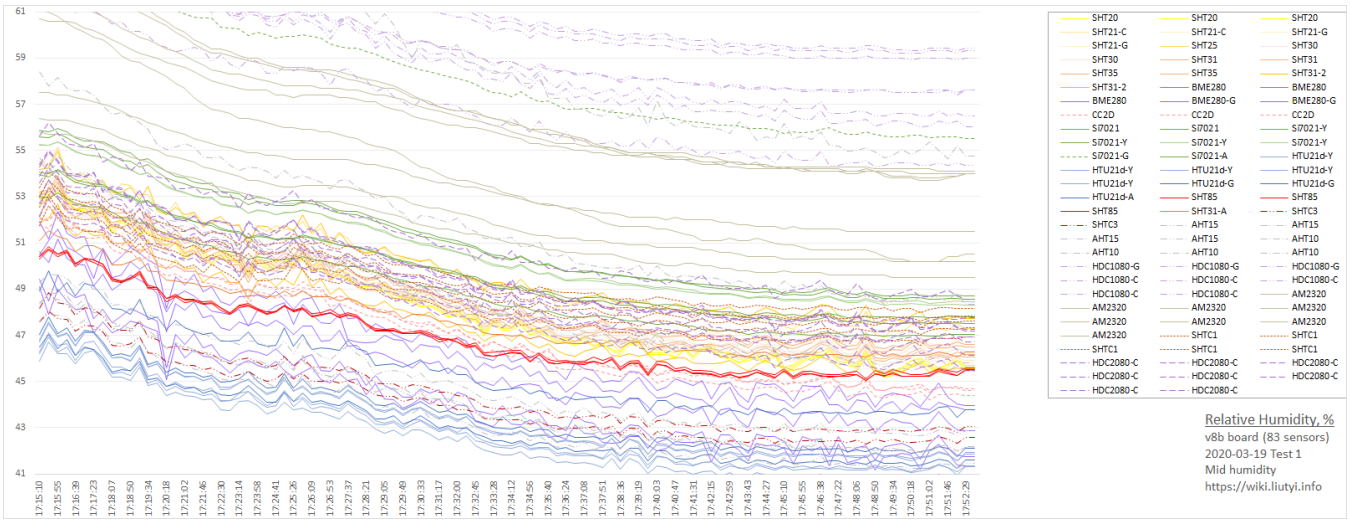
SHT2X	SHT3X	SHT8X	SHTC1	SHTC3	BME280	Si7021	HTU21d	HDC1080	HDC2080	AM2320	AHT10	AHT15	CC2D33
1.20	-0.80	0.40	-0.66	-0.60	-6.10	0.63	-6.77	8.26	2.06	11.07	11.17	0.68	-1.54
-0.61	-0.35	-0.77	-0.02	-0.01	-4.46	-0.45	-6.05	8.87	-0.74	11.07	11.17	0.45	-0.98
1.79	0.10	0.37	-0.20		0.21	1.58	-5.75	11.16	0.38	11.07	7.18	11.17	-0.43
2.00	0.58		0.71		-0.53	-0.60	-5.47	11.16	1.47	11.07	11.17	0.86	
2.48	-0.91		-0.51		1.17	2.19	-5.83	11.16	1.62	11.07			
-5.89	-0.64					2.89	-5.39	11.16	0.45	11.07			
-8.06	-0.91					9.09	-6.04	11.16	1.37	11.07			
0.78	-0.25					2.14	-2.14	11.16	0.82	11.07			
	-0.52												



Part 2. Mid Humidity

Humidity diff to SHT85 average (for the last data log row)

SHT2X	SHT3X	SHT8X	SHTC1	SHTC3	BME280	Si7021	HTU21d	HDC1080	HDC2080	AM2320	AHT10	AHT15	CC2D33
0.05	0.79	-0.06	1.80	-2.93	-4.17	2.27	-4.61	10.96	0.60	4.98	0.29	-3.35	-0.83
-0.01	0.39	-0.02	2.31	-2.48	-3.78	1.50	-4.16	8.84	-0.05	8.48	9.24	-4.07	-1.14
0.18	0.96	0.08	2.10		-1.56	3.17	-3.67	10.51	1.18	8.48	-0.07	-2.64	-0.90
0.14	1.09		2.65		-2.66	1.99	-3.61	12.09	1.66	5.98	2.82	-3.37	
0.70	0.02		1.40		-1.73	2.80	-4.21	13.79	1.72	8.58			
0.99	2.20					2.93	-3.40	12.09	3.05	3.98			
1.08	0.75					10.01	-3.93	13.49	1.40	8.48			
1.78	0.63					3.02	-1.75	13.89	2.25	4.68			
	0.55												

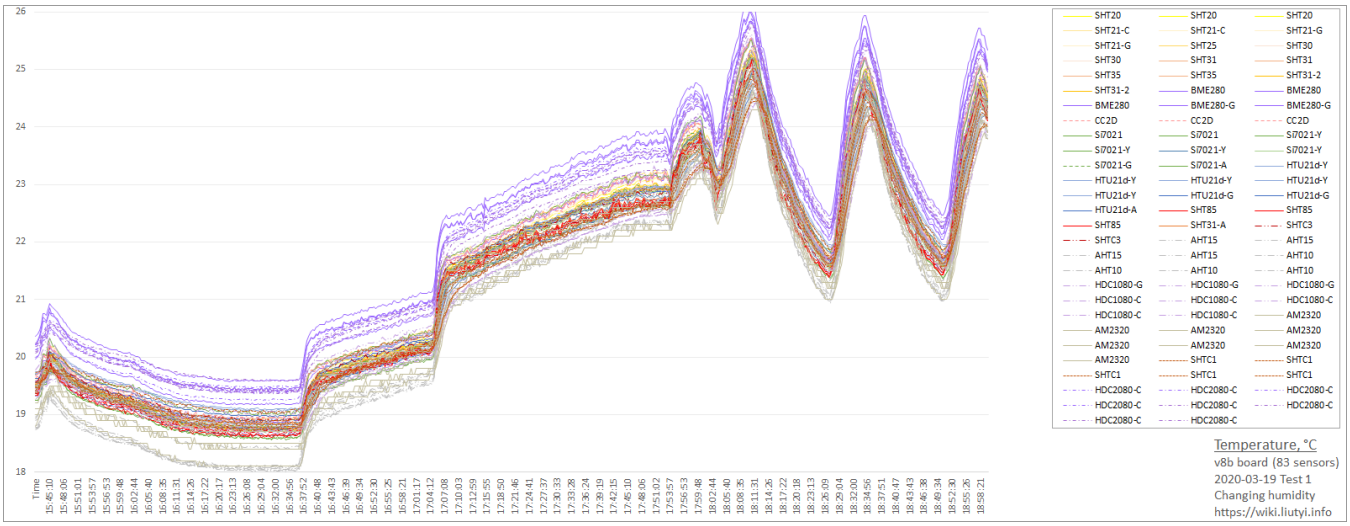


Temperature

Overview

Temperature diff to SHT85 average (for the last data log row)

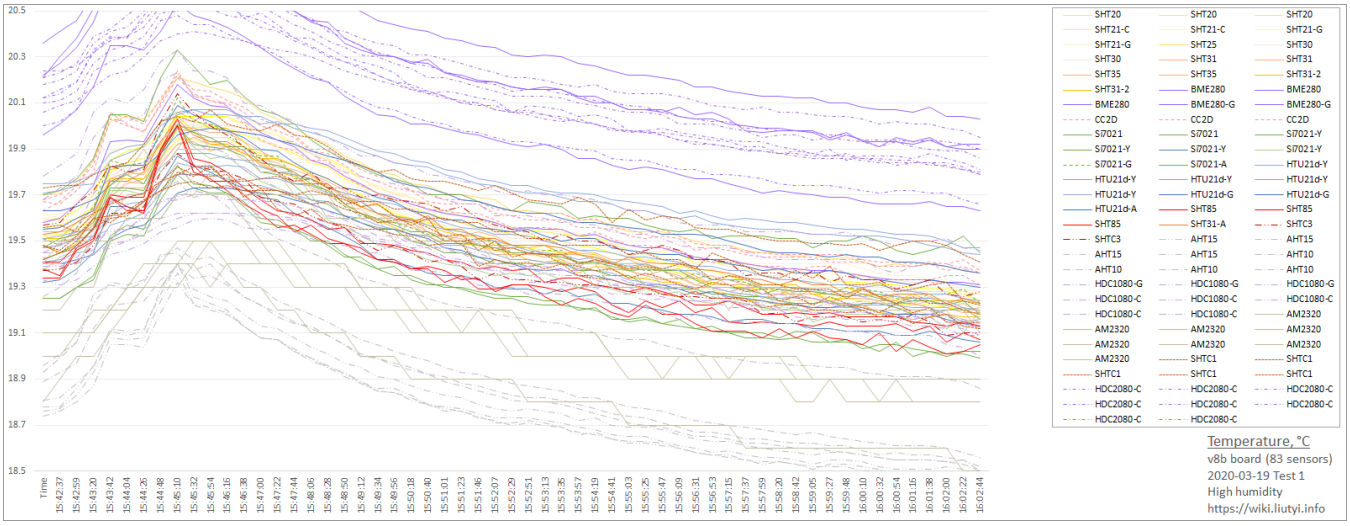
SHT2X	SHT3X	SHT8X	SHTC1	SHTC3	BME280	Si7021	HTU21d	HDC1080	HDC2080	AM2320	AHT10	AHT15	CC2D33
0.43	0.35	0.06	0.04	0.19	0.87	0.02	0.32	0.22	0.81	0.27	-0.04	-0.34	0.49
0.42	0.40	-0.02	-0.07	0.10	0.96	0.02	0.11	0.43	0.93	-0.23	0.01	-0.27	0.47
0.48	0.34	-0.03	0.33		1.20	0.31	0.03	0.47	0.93	0.07	0.09	-0.30	0.40
0.38	0.31		-0.13		0.82	0.22	0.36	-0.08	0.93	0.07	-0.13	-0.28	
0.50	0.32		0.02		0.48	0.11	0.14	-0.20	1.00	-0.33			
0.48	0.35					0.19	0.03	-0.19	0.90	-0.13			
0.38	0.10					0.28	0.32	-0.11	0.93	-0.23			
0.55	0.34					0.47	0.30	-0.20	0.74	0.17			
	0.31												



Part 1. High Humidity

Temperature diff to SHT85 average (for the last data log row)

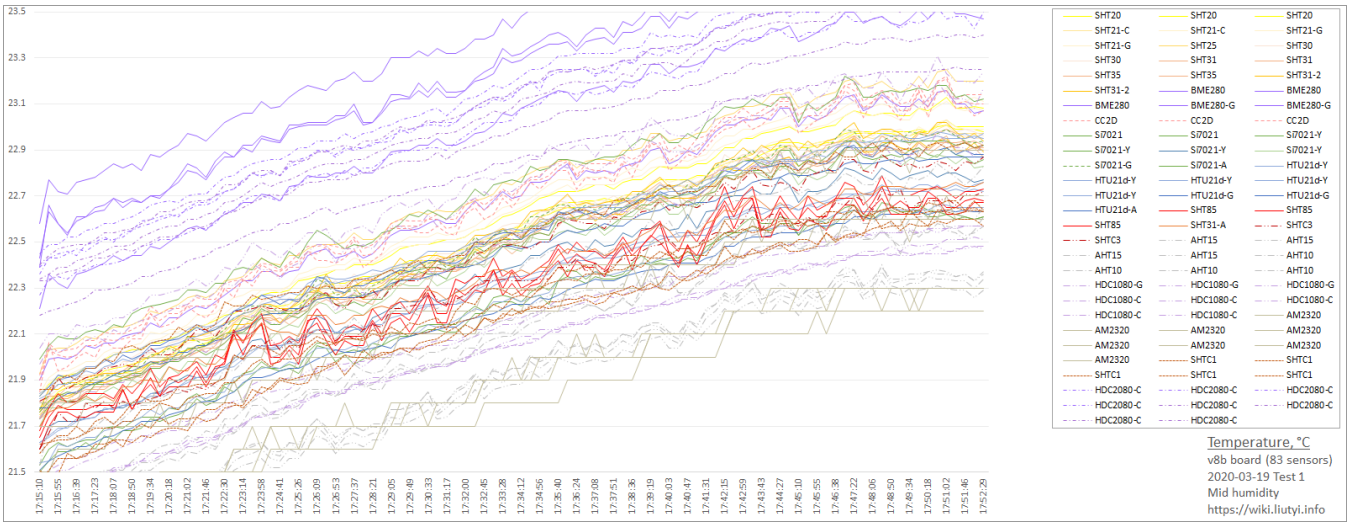
SHT2X	SHT3X	SHT8X	SHTC1	SHTC3	BME280	Si7021	HTU21d	HDC1080	HDC2080	AM2320	AHT10	AHT15	CC2D33
0.16	0.19	0.05	0.04	0.20	0.84	-0.09	0.39	0.06	0.58	0.12	-0.58	-0.63	0.29
0.10	0.20	-0.01	0.10	0.02	0.82	-0.06	0.16	0.28	0.71	-0.58	-0.52	-0.58	0.28
0.19	0.13	-0.03	0.33		0.95	0.10	0.08	0.38	0.73	-0.18	-0.22	-0.63	0.23
0.07	0.11		0.14		0.55	0.08	0.36	0.05	0.73	0.12	-0.56	-0.62	
0.19	0.09		0.07		0.23	-0.02	0.12	-0.08	0.82	-0.28			
0.22	0.15					0.04	0.05	0.01	0.72	-0.18			
0.14	0.15					0.15	0.28	0.04	0.78	-0.28			
0.28	0.11					0.37	0.22	0.01	0.87	0.02			
	0.12												



Part 2. Mid Humidity

Temperature diff to SHT85 average (for the last data log row)

SHT2X	SHT3X	SHT8X	SHTC1	SHTC3	BME280	Si7021	HTU21d	HDC1080	HDC2080	AM2320	AHT10	AHT15	CC2D33
0.31	0.26	0.04	-0.05	0.18	1.04	-0.08	0.26	0.25	0.81	0.21	-0.12	-0.40	0.45
0.29	0.27	-0.01	-0.12	0.03	1.02	-0.08	0.07	0.48	0.90	-0.39	-0.04	-0.33	0.41
0.39	0.22	-0.02	0.23		1.19	0.23	-0.04	0.55	0.91	-0.09	0.14	-0.35	0.38
0.28	0.21		-0.06		0.78	0.17	0.28	-0.12	0.91	-0.09	-0.08	-0.32	
0.42	0.20		-0.06		0.38	0.08	0.03	-0.22	0.96	-0.49			
0.38	0.25					0.14	-0.06	-0.18	0.84	-0.39			
0.30	0.07					0.25	0.18	-0.12	0.91	-0.39			
0.51	0.23					0.43	0.19	-0.21	0.71	0.01			
	0.18												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CC2D
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SI7021-Y
SI7021-Y
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SI7021-G
SI7021-A
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HDC2080-C
HDC2080-C
Temperature, °C
v8b board (83 sensors)
2020-03-19 Test 1
Mid humidity
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