

Test 9 v5 external fan off and on

v5 board in a room without and with an external fan

Mostly no impact to humidity measurements, and some impact on temperature measurements of some sensors

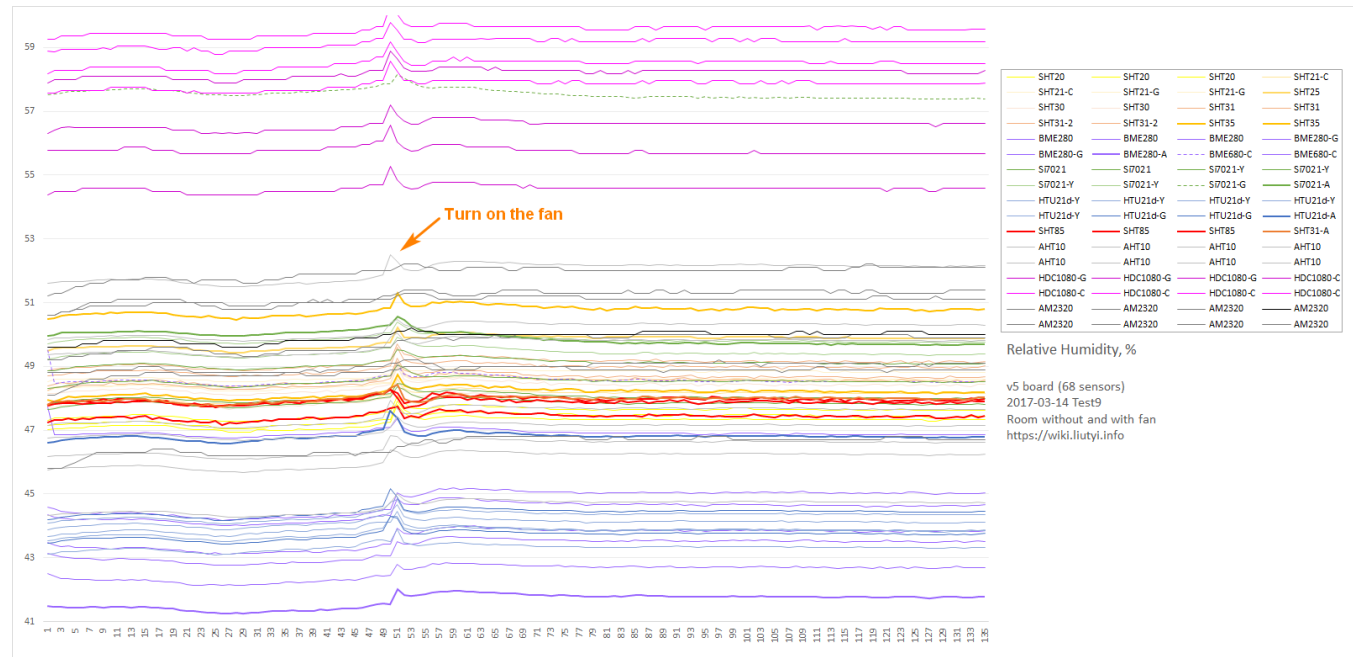
Humidity

(delta from an average of first and last 10 measurements)

t9_v5_h.csv

SHT2x	rh, %	SHT3x	rh, %	BMEx80	rh, %	SI7021	rh, %	HTU21	rh, %	SHT85	rh, %	AHT10	rh, %	HDC1080	rh, %	AM2320	rh, %
SHT20	+0.22	SHT30	+0.20	BME280	+0.34	SI7021	+0.08	HTU21d-Y	+0.11			AHT10	+0.34	HDC1080-G	+0.15	AM2320	+0.69
SHT20	+0.24	SHT30	+0.17	BME280	+0.49	SI7021	+0.04	HTU21d-Y	+0.10			AHT10	+0.34	HDC1080-G	+0.05	AM2320	+0.60
SHT20	+0.23	SHT31	+0.18	BME280	+0.57	SI7021-Y	+0.11	HTU21d-Y	+0.12	SHT85	+0.08	AHT10	+0.39	HDC1080-G	-0.10	AM2320	+0.34
SHT21-C	+0.27	SHT31	+0.19	BME280-G	+0.48	SI7021-Y	+0.08	HTU21d-Y	+0.16	SHT85	+0.06	AHT10	+0.40	HDC1080-C	+0.17	AM2320	+0.35
SHT21-C	+0.26	SHT35	+0.17	BME280-G	+0.40	SI7021-Y	+0.02	HTU21d-Y	+0.19	SHT85	+0.04	AHT10	+0.40	HDC1080-C	+0.20	AM2320	+0.55
SHT21-G	+0.17	SHT35	+0.17	BME280-A	+0.31	SI7021-Y	-0.06	HTU21d-G	+0.17	SHT31-A	+0.09	AHT10	+0.48	HDC1080-C	+0.23	AM2320	+0.52
SHT21-G	+0.22	SHT31-2	+0.17	BME680-C	-0.11	SI7021-G	-0.22	HTU21d-G	+0.14			AHT10	+0.40	HDC1080-C	+0.24	AM2320	+0.66
SHT25	+0.31	SHT31-2	+0.17	BME680-C	-0.11	SI7021-A	-0.36	HTU21d-A	+0.07			AHT10	+0.44	HDC1080-C	+0.17	AM2320	+0.27
Average	+0.24		+0.18		+0.30		-0.04		+0.13		+0.06		+0.40		+0.14		+0.50

-A Adafruit modules, SHT85 - Senserion Modules, -C - CJMCU modules, -G, Y - GY-xx, (other are some Chinese Noname modules)



Temperature

(delta from an average of first and last 10 measurements)

t9_v5_t.csv

SHT2x	t° C	SHT3x	t° C	BMEx80	t° C	SI7021	t° C	HTU21	t° C	SHT85	t° C	AHT10	t° C	HDC1080	t° C	AM2320	t° C
SHT20	-0.09	SHT30	-0.05	BME280	-0.14	SI7021	+0.01	HTU21d	-0.03			AHT10	-0.11	HDC1080-C	-0.04	AM2320	-0.20
SHT20	-0.08	SHT30	-0.04	BME280	-0.20	SI7021	+0.01	HTU21d	-0.03			AHT10	-0.11	HDC1080-C	-0.01	AM2320	-0.12
SHT20	-0.09	SHT31	-0.05	BME280	-0.21	SI7021-2	-0.01	HTU21d	-0.03	SHT85	-0.02	AHT10	-0.12	HDC1080-C	+0.05	AM2320	-0.08

SHT21-C	-0.07	SHT31	-0.04	BME280-2	-0.18	SI7021-2	0.00	HTU21d	-0.04	SHT85	-0.01	AHT10	-0.12	HDC1080-C	-0.07	AM2320	-0.09
SHT21-C	-0.07	SHT35	-0.03	BME280-2	-0.14	SI7021-2	+0.02	HTU21d	-0.05	SHT85	-0.01	AHT10	-0.13	HDC1080-C	-0.06	AM2320	-0.10
SHT21-G	-0.08	SHT35	-0.05	BME280-A	-0.11	SI7021-2	+0.05	HTU21d-2	-0.04	SHT31-A	-0.03	AHT10	-0.14	HDC1080-C	-0.07	AM2320	-0.09
SHT21-G	-0.08	SHT31-2	-0.05	BME680	-0.95	SI7021-3	+0.11	HTU21d-2	-0.03			AHT10	-0.14	HDC1080-C	-0.07	AM2320	-0.09
SHT25	-0.11	SHT31-2	-0.05	BME680	-0.82	SI7021-A	+0.16	HTU21d-A	0.00			AHT10	-0.15	HDC1080-C	-0.07	AM2320	-0.05
Average	-0.08		-0.04		-0.34		+0.04		-0.03		-0.01		-0.12		-0.04		-0.10

