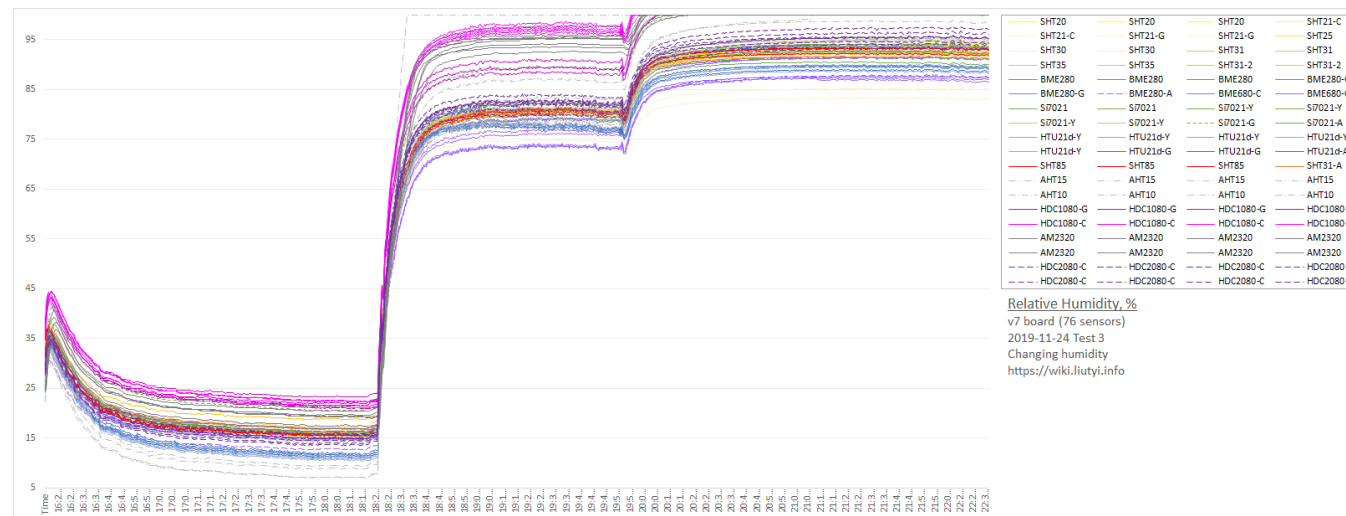


Test 3 v7 balcony RH15-92 changing humidity

v7 board humidity rise test with a fan. from ~15% RH to ~92% RH

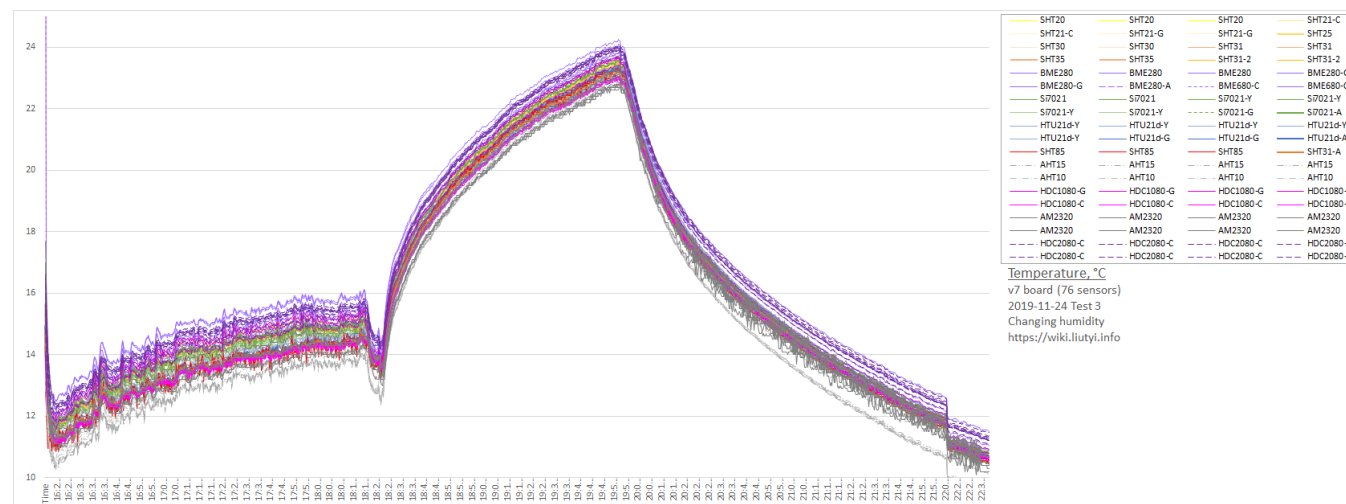
Humidity overview

[h_v7_test3.CSV](#)

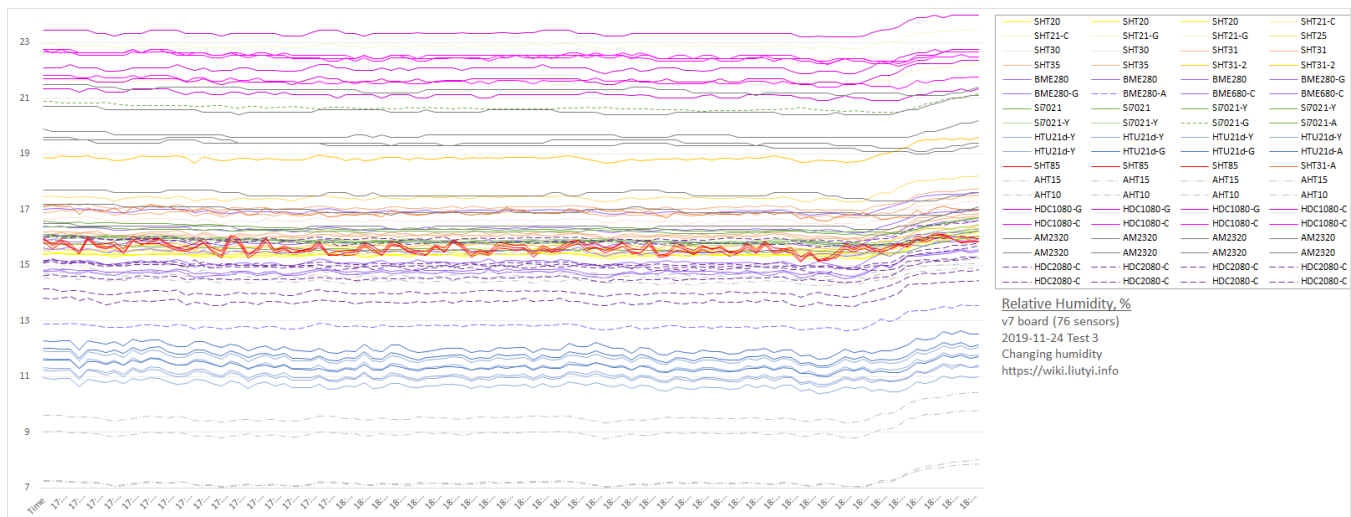


Temperature overview

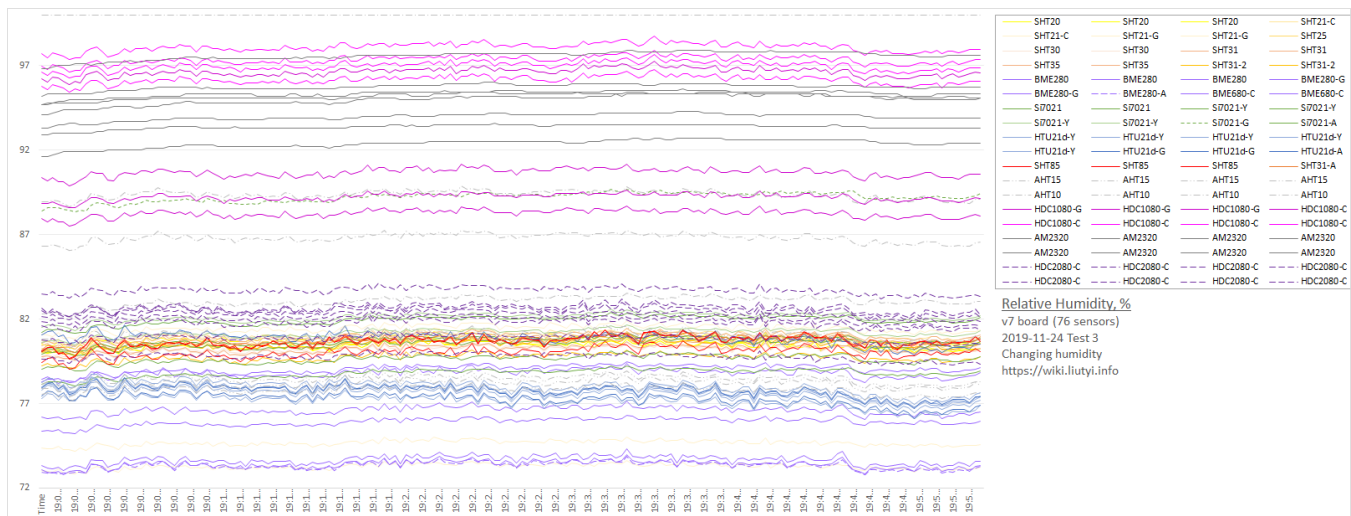
[t_v7_test3.CSV](#)



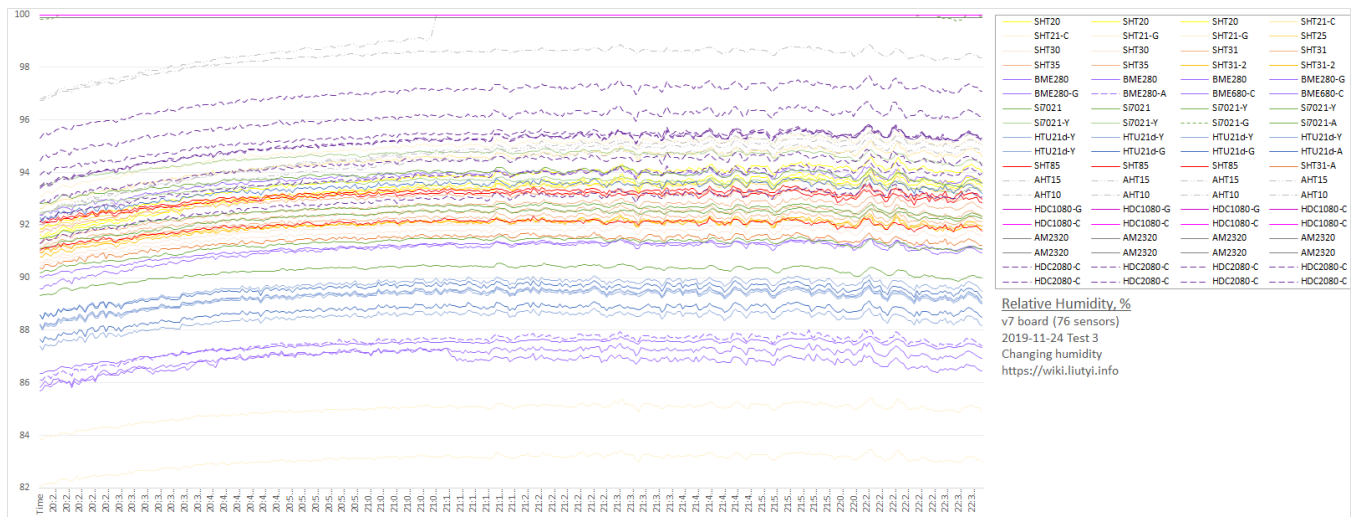
Humidity low RH~15%



Humidity low RH~80%



Humidity low RH~92%



Humidity low RH~15%

SHT2x	rh, %	SHT3x	rh, %	BMEx80	rh, %	SI7021	rh, %	HTU21	rh, %	SHT85	rh, %	AHT10	rh, %	HDC1080	rh, %	HDC2080	rh, %
SHT20	15.39	SHT30	16.61	BME280	15.09	SI7021	16.24	HTU21d-Y	10.55			AHT15	14.68	HDC1080-G	23.33	HDC2080-C	14.07
SHT20	15.35	SHT30	16.06	BME280	14.68	SI7021	15.78	HTU21d-Y	10.81			AHT15	14.56	HDC1080-G	21.59	HDC2080-C	13.68
SHT20	15.48	SHT31	16.86	BME280	15.78	SI7021-Y	16.17	HTU21d-Y	11.2	SHT85	15.34	AHT15	15.35	HDC1080-G	22.09	HDC2080-C	14.53
SHT21-C	15.54	SHT31	17.09	BME280-G	14.77	SI7021-Y	15.83	HTU21d-Y	11.49	SHT85	15.47	AHT15	14.33	HDC1080-C	21.01	HDC2080-C	15.05
SHT21-C	15.98	SHT35	16.02	BME280-G	15.48	SI7021-Y	15.87	HTU21d-Y	10.88	SHT85	15.45	AHT10	7.17	HDC1080-C	22.43	HDC2080-C	14.97
SHT21-G	21.6	SHT35	16.1	BME280-A	12.77	SI7021-Y	15.75	HTU21d-G	11.19	SHT31-A	16.82	AHT10	9.5	HDC1080-C	21.52	HDC2080-C	16
SHT21-G	22.88	SHT31-2	15.7	BME680-C	16.92	SI7021-G	20.57	HTU21d-G	11.59			AHT10	7.15	HDC1080-C	22.43	HDC2080-C	14.87
SHT25	17.4	SHT31-2	18.86	BME680-C	16.28	SI7021-A	15.51	HTU21d-A	11.81			AHT10	8.95	HDC1080-C	22.34	HDC2080-C	15.81
Average	17.45		16.66		15.22		16.47		11.19		15.42		11.46		22.09		14.87

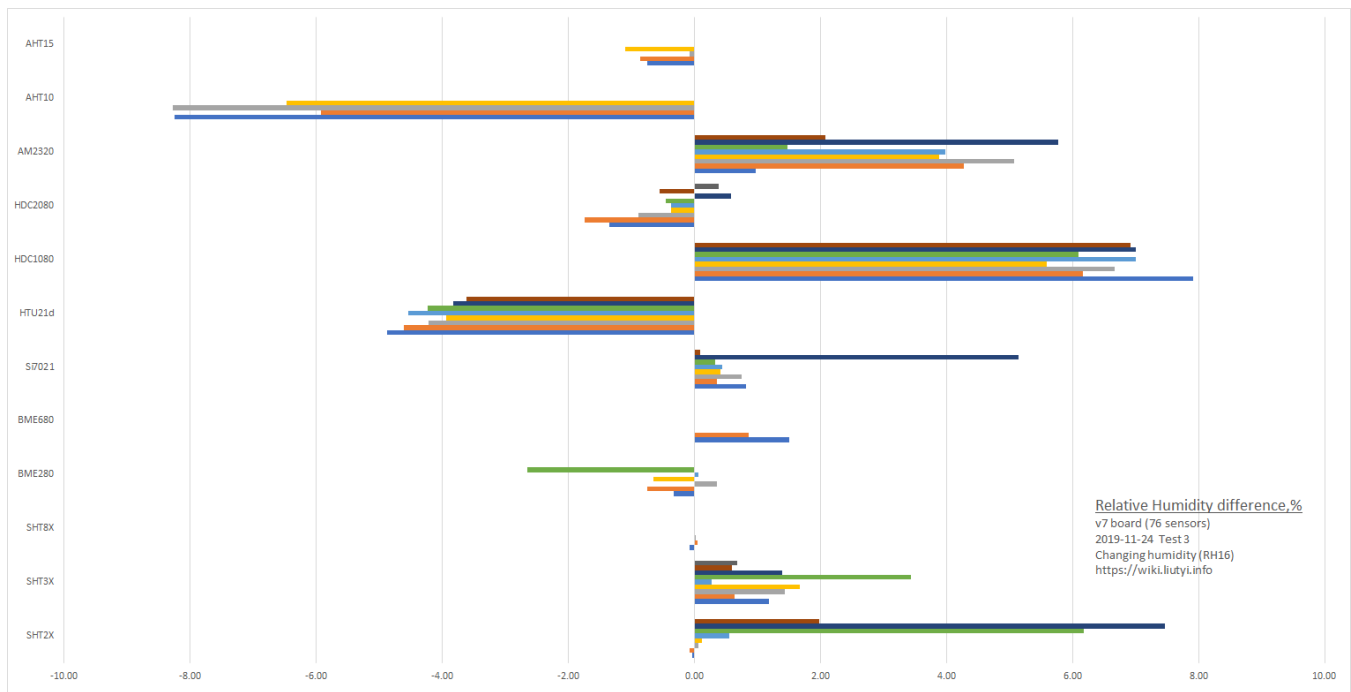
Humidity low RH~80%

SHT2x	rh, %	SHT3x	rh, %	BMEx80	rh, %	SI7021	rh, %	HTU21	rh, %	SHT85	rh, %	AHT10	rh, %	HDC1080	rh, %	HDC2080	rh, %
SHT20	80.06	SHT30	79.88	BME280	73.33	SI7021	80.33	HTU21d-Y	76.56			AHT15	78.02	HDC1080-G	88.98	HDC2080-C	81.26
SHT20	80.07	SHT30	79.96	BME280	73.09	SI7021	79.46	HTU21d-Y	77.12			AHT15	77.37	HDC1080-G	87.9	HDC2080-C	79.28
SHT20	80.46	SHT31	80.56	BME280		SI7021-Y	80.56	HTU21d-Y	77.19	SHT85	80.64	AHT15	80.67	HDC1080-G	90.39	HDC2080-C	80.42
SHT21-C	80.75	SHT31	80.71	BME280-G	76.26	SI7021-Y	78.65	HTU21d-Y	77.4	SHT85	80	AHT15	77.94	HDC1080-C	96.5	HDC2080-C	81.5
SHT21-C	81.1	SHT35	80.16	BME280-G	78.44	SI7021-Y	80.98	HTU21d-Y	76.97	SHT85	80.59	AHT10	86.33	HDC1080-C	97.26	HDC2080-C	81.81
SHT21-G	74.4	SHT35	79.92	BME280-A	72.96	SI7021-Y	81.88	HTU21d-G	76.67	SHT31-A	80.67	AHT10	100	HDC1080-C	95.96	HDC2080-C	83.22
SHT21-G	73.03	SHT31-2	79.46	BME680-C	78.87	SI7021-G	89.11	HTU21d-G	77.24			AHT10	82.9	HDC1080-C	97.86	HDC2080-C	82.2
SHT25	80.34	SHT31-2	80.21	BME680-C	75.78	SI7021-A	81.76	HTU21d-A	80.32			AHT10	88.93	HDC1080-C	96.76	HDC2080-C	82.06
Average	78.78		80.11		75.53		81.59		77.43		80.41		84.02		93.95		81.47

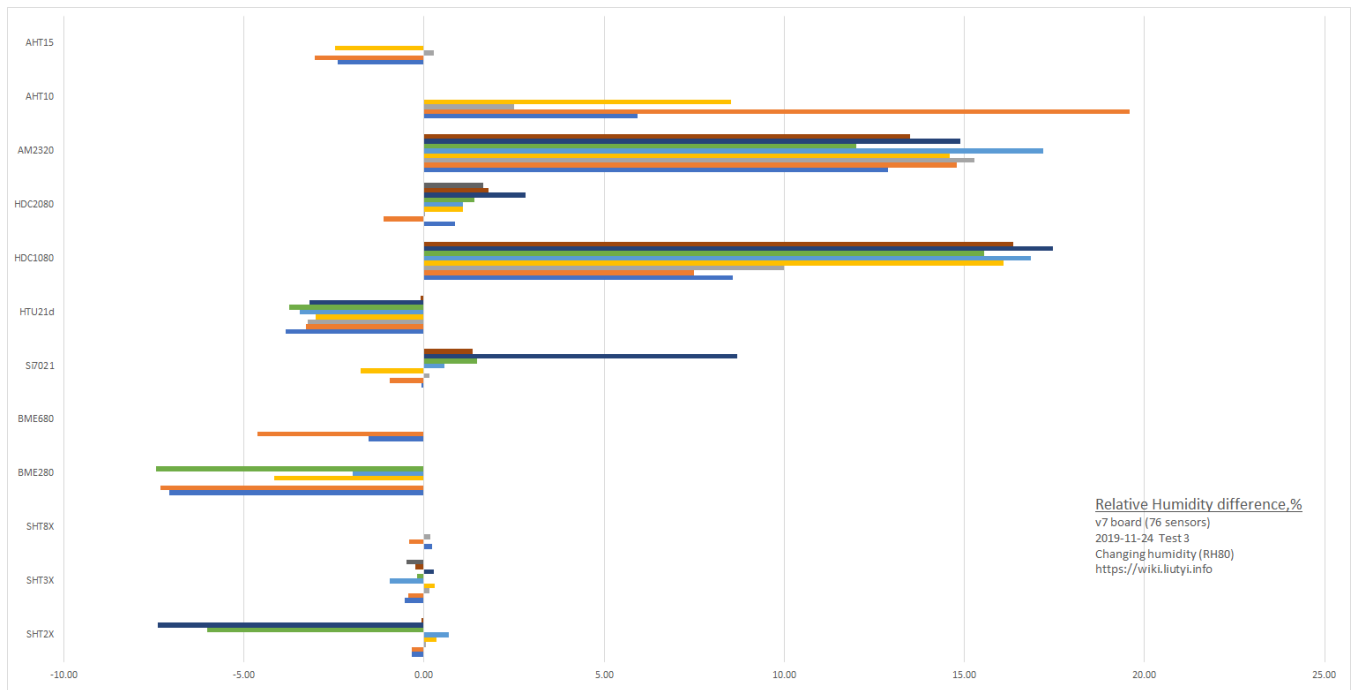
Humidity low RH~92%

SHT2x	rh, %	SHT3x	rh, %	BMEx80	rh, %	SI7021	rh, %	HTU21	rh, %	SHT85	rh, %	AHT10	rh, %	HDC1080	rh, %	HDC2080	rh, %
SHT20	93.55	SHT30	91.65	BME280	86.54	SI7021	92.3	HTU21d-Y	88.42			AHT15	95.16	HDC1080-G	99.99	HDC2080-C	96.24
SHT20	93.71	SHT30	92	BME280	87.02	SI7021	91.15	HTU21d-Y	89.28			AHT15	94.92	HDC1080-G	99.99	HDC2080-C	93.15
SHT20	94.15	SHT31	92.74	BME280		SI7021-Y	92.4	HTU21d-Y	89.32	SHT85	93.21	AHT15	100	HDC1080-G	99.99	HDC2080-C	94.06
SHT21-C	94.75	SHT31	93.07	BME280-G	91.03	SI7021-Y	90.03	HTU21d-Y	89.7	SHT85	91.95	AHT15	95.36	HDC1080-C	99.99	HDC2080-C	95.42
SHT21-C	95.18	SHT35	92.43	BME280-G	93.79	SI7021-Y	93.37	HTU21d-Y	89.21	SHT85	93.06	AHT10	100	HDC1080-C	99.99	HDC2080-C	95.42
SHT21-G	85.04	SHT35	92.15	BME280-A	87.54	SI7021-Y	94.42	HTU21d-G	88.69	SHT31-A	91.34	AHT10	100	HDC1080-C	99.99	HDC2080-C	97.25
SHT21-G	83.08	SHT31-2	92.03	BME680-C	91.13	SI7021-G	100	HTU21d-G	89.47			AHT10	98.45	HDC1080-C	99.99	HDC2080-C	95.35
SHT25	93.43	SHT31-2	91.92	BME680-C	87.41	SI7021-A	93.68	HTU21d-A	93.42			AHT10	100	HDC1080-C	99.99	HDC2080-C	94.47
Average	91.61		92.25		89.21		93.42		89.69		92.74		97.99		99.99		95.17

Humidity low RH~15%



Humidity low RH~80%



Humidity low RH~92%

