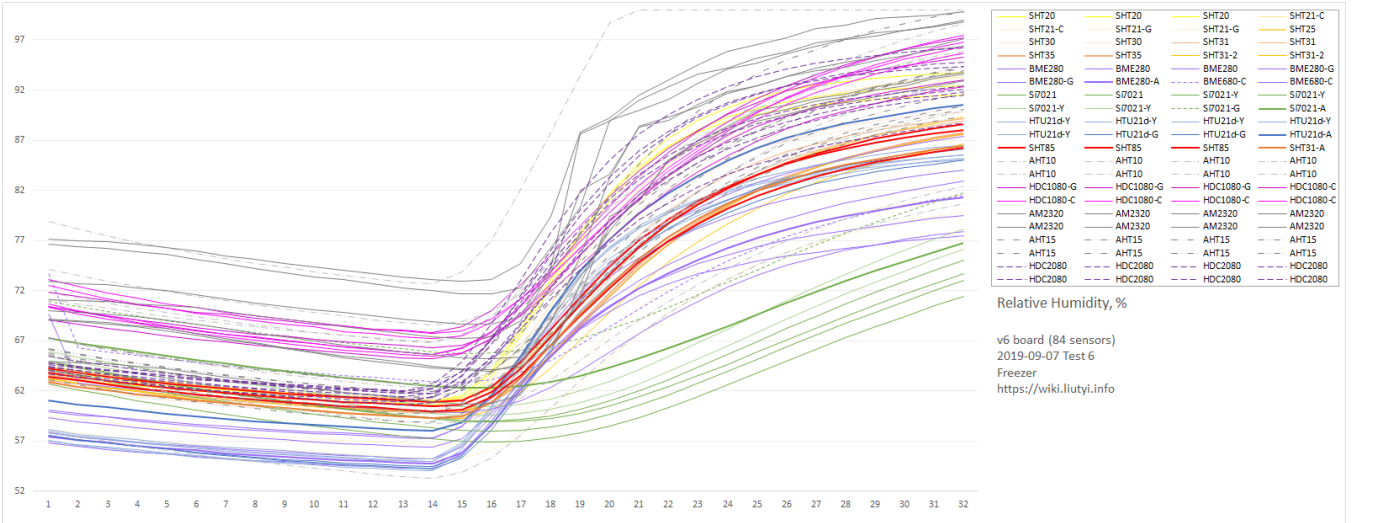


Test 6 v6 Freezer

v6 board unstable in Freezer with -15°C - -18°C (after a day being in the freezer). Only half-cycle of compressor work due to unstable board configurations.

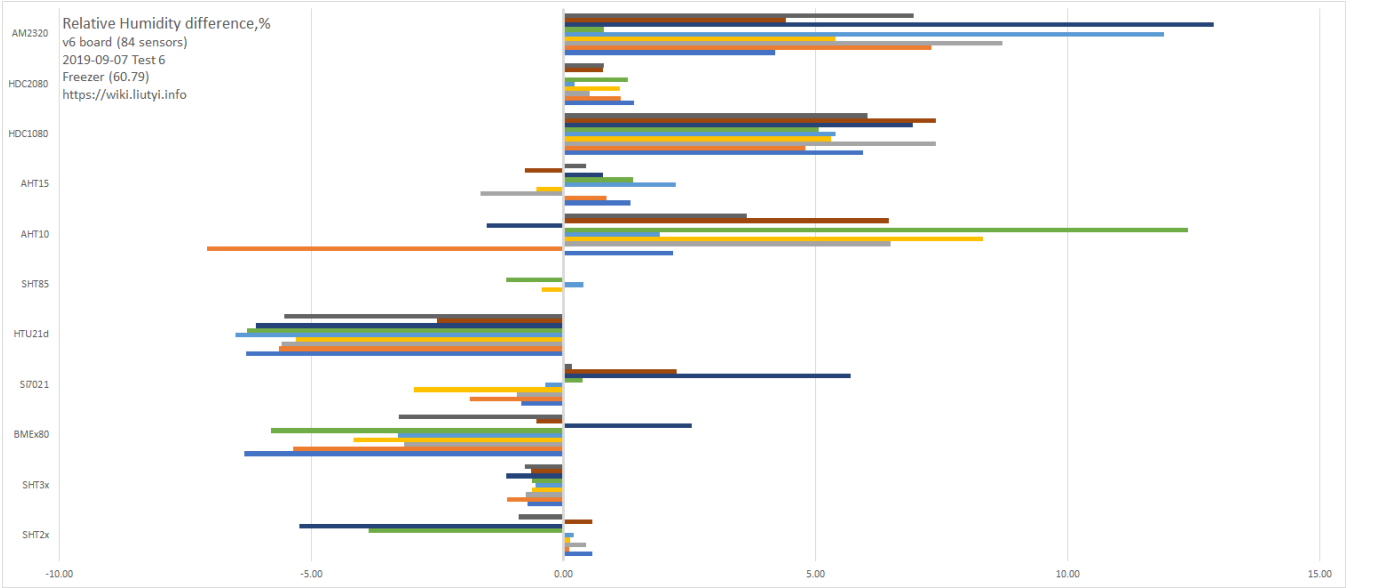
Humidity

h_v6t6.CSV

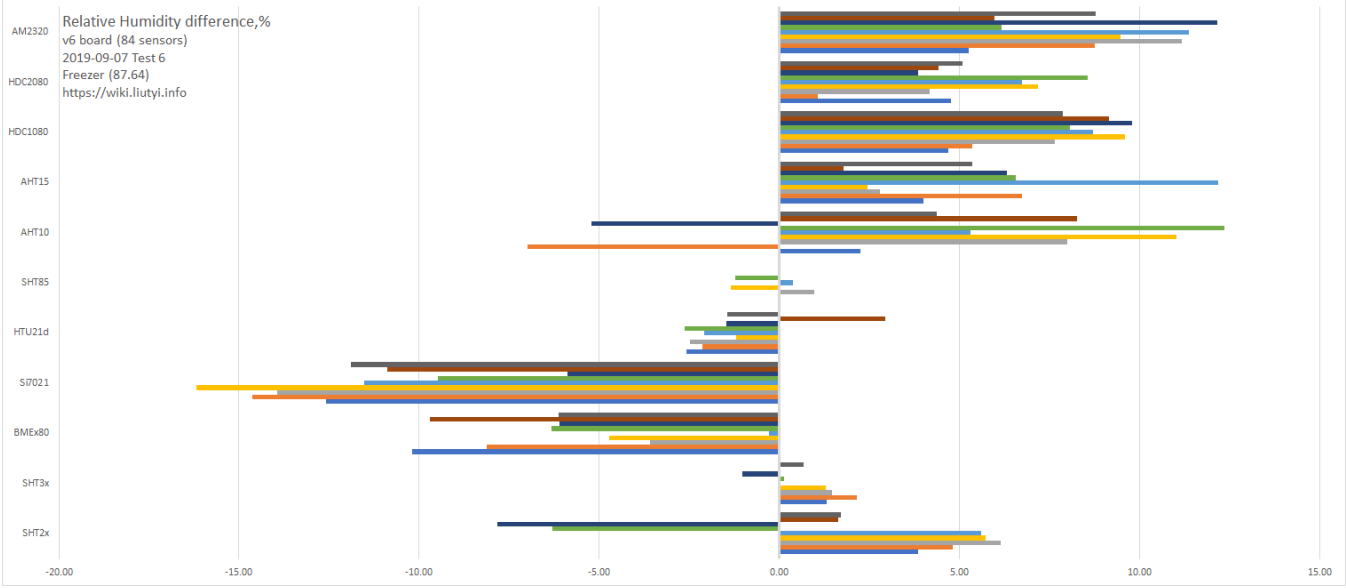


SHT2x	rh, %	SHT3x	rh, %	BMEx80	rh, %	SI7021	rh, %	HTU21	rh, %	SHT85	rh, %	AHT10	rh, %	AHT15	rh, %	HDC1080	rh, %
SHT20	61.38	SHT30	60.09	BME280	54.48	SI7021	59.96	HTU21d-Y	54.51			AHT10	62.98	AHT15	62.12	HDC1080-G	66.74
SHT20	60.91	SHT30	59.68	BME280	55.44	SI7021	58.95	HTU21d-Y	55.15			AHT10	53.74	AHT15	61.65	HDC1080-G	65.59
SHT20	61.24	SHT31	60.05	BME280	57.64	SI7021-Y	59.87	HTU21d-Y	55.21	SHT85	60.81	AHT10	67.28	AHT15	59.16	HDC1080-G	68.18
SHT21-C	60.93	SHT31	60.18	BME280-G	56.64	SI7021-Y	57.84	HTU21d-Y	55.49	SHT85	60.37	AHT10	69.12	AHT15	60.26	HDC1080-C	66.11
SHT21-C	61	SHT35	60.24	BME280-G	57.52	SI7021-Y	60.43	HTU21d-Y	54.3	SHT85	61.2	AHT10	62.71	AHT15	63.03	HDC1080-C	66.19
SHT21-G	56.94	SHT35	60.18	BME280-A	55	SI7021-Y	61.18	HTU21d-G	54.52	SHT31-A	59.67	AHT10	73.18	AHT15	62.18	HDC1080-C	65.86
SHT21-G	55.56	SHT31-2	59.66	BME680-C	63.35	SI7021-G	66.49	HTU21d-G	54.7			AHT10	59.28	AHT15	61.59	HDC1080-C	67.72
SHT25	61.37	SHT31-2	60.15	BME680-C	60.27	SI7021-A	63.05	HTU21d-A	58.29			AHT10	67.25	AHT15	60.03	HDC1080-C	68.18
Average	59.92		60.03		57.54		60.97		55.27		60.79		64.44		61.25		66.82

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

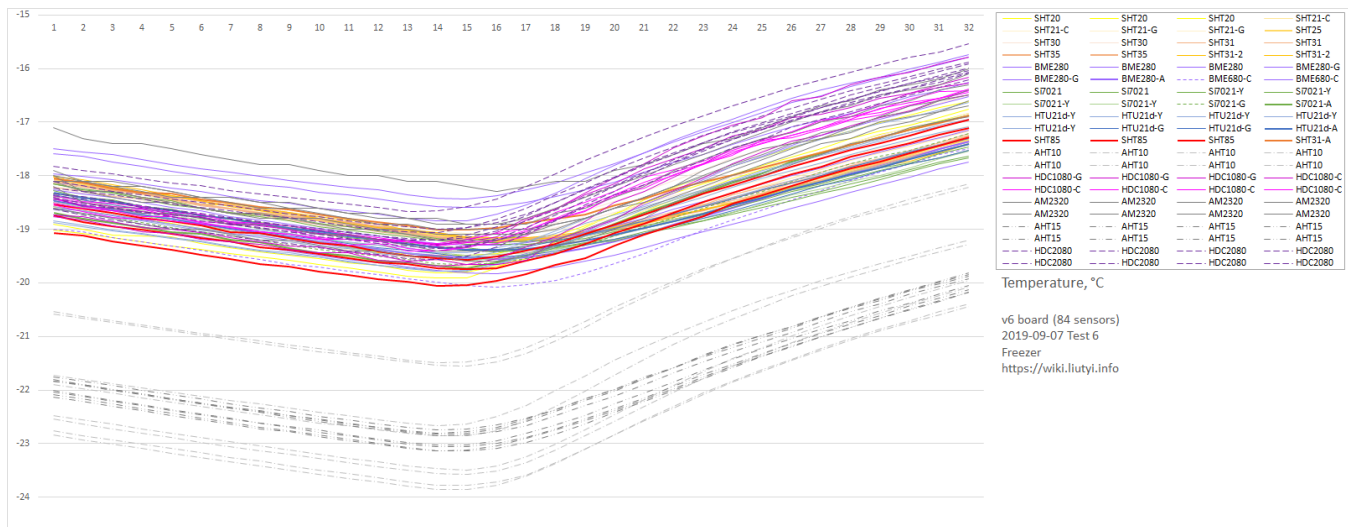


SHT2x	rh, %	SHT3x	rh, %	BMEx80	rh, %	SI7021	rh, %	HTU21	rh, %	SHT85	rh, %	AHT10	rh, %	AHT15	rh, %	HDC1080	rh, %
SHT20	91.49	SHT30	88.94	BME280	77.45	SI7021	75.05	HTU21d-Y	85.07			AHT10	89.89	AHT15	91.63	HDC1080-G	92.32
SHT20	92.46	SHT30	89.79	BME280	79.52	SI7021	73.01	HTU21d-Y	85.51			AHT10	80.64	AHT15	94.38	HDC1080-G	92.99
SHT20	93.78	SHT31	89.11	BME280	84.06	SI7021-Y	73.69	HTU21d-Y	85.16	SHT85	88.61	AHT10	95.62	AHT15	90.43	HDC1080-G	95.29
SHT21-C	93.37	SHT31	88.93	BME280-G	82.92	SI7021-Y	71.45	HTU21d-Y	86.45	SHT85	86.28	AHT10	98.66	AHT15	90.08	HDC1080-C	97.22
SHT21-C	93.23	SHT35	87.59	BME280-G	87.34	SI7021-Y	76.12	HTU21d-Y	85.56	SHT85	88.02	AHT10	92.94	AHT15	99.81	HDC1080-C	96.35
SHT21-G	81.34	SHT35	87.76	BME280-A	81.32	SI7021-Y	78.17	HTU21d-G	85	SHT31-A	86.42	AHT10	100	AHT15	94.21	HDC1080-C	95.7
SHT21-G	79.81	SHT31-2	86.61	BME680-C	81.53	SI7021-G	81.76	HTU21d-G	86.16			AHT10	82.43	AHT15	93.95	HDC1080-C	97.44
SHT25	89.27	SHT31-2	87.67	BME680-C	77.93	SI7021-A	76.76	HTU21d-A	90.57			AHT10	95.89	AHT15	89.42	HDC1080-C	96.78
Average	89.34		88.30		81.51		75.75		86.19		87.64		92.01		92.99		95.51

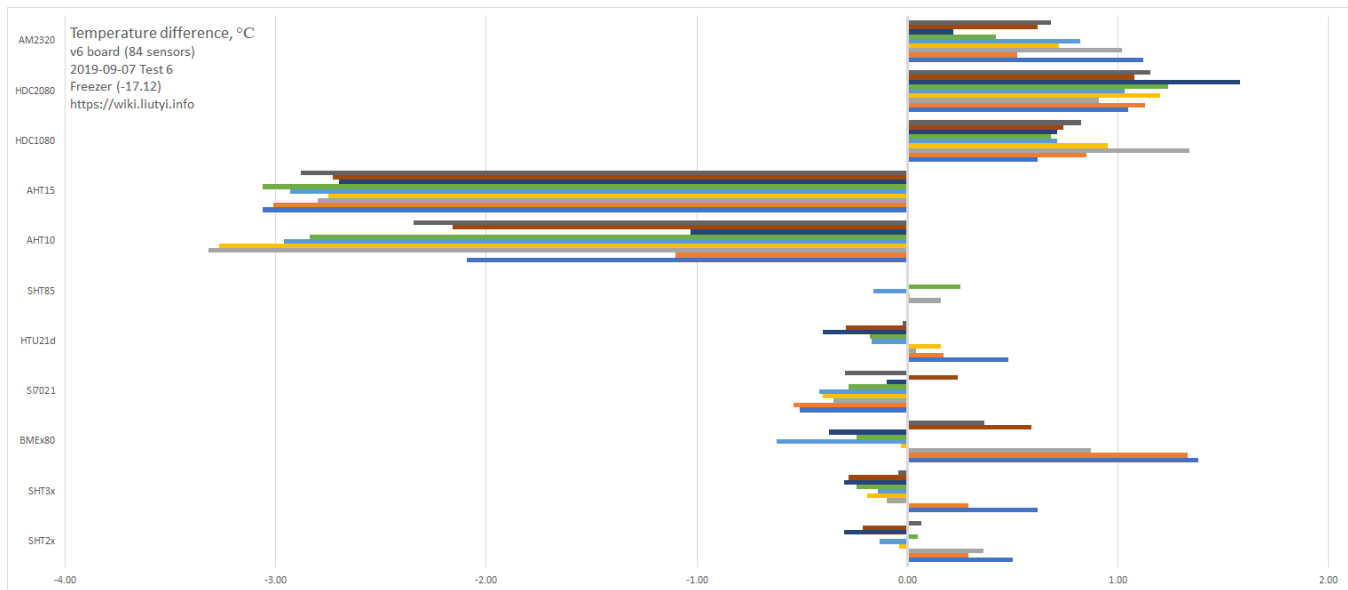


Temperature

t_v6t6.CSV



SHT2x	t° C	SHT3x	t° C	BMEx80	t° C	SI7021	t° C	HTU21	t° C	SHT85	t° C	AHT10	t° C	AHT15	t° C	HDC1080	t° C	HDC2
SHT20	-16.62	SHT30	-16.5	BME280	-15.74	SI7021	-17.63	HTU21d-Y	-16.64			AHT10	-19.21	AHT15	-20.18	HDC1080-G	-16.5	HDC208
SHT20	-16.83	SHT30	-16.83	BME280	-15.79	SI7021	-17.66	HTU21d-Y	-16.95			AHT10	-18.22	AHT15	-20.13	HDC1080-G	-16.27	HDC208
SHT20	-16.76	SHT31	-17.22	BME280	-16.25	SI7021-Y	-17.47	HTU21d-Y	-17.08	SHT85	-16.96	AHT10	-20.44	AHT15	-19.92	HDC1080-G	-15.78	HDC208
SHT21-C	-17.16	SHT31	-17.31	BME280-G	-17.15	SI7021-Y	-17.52	HTU21d-Y	-16.96	SHT85	-17.11	AHT10	-20.39	AHT15	-19.87	HDC1080-C	-16.17	HDC208
SHT21-C	-17.25	SHT35	-17.26	BME280-G	-17.74	SI7021-Y	-17.54	HTU21d-Y	-17.29	SHT85	-17.28	AHT10	-20.08	AHT15	-20.05	HDC1080-C	-16.41	HDC208
SHT21-G	-17.07	SHT35	-17.36	BME280-A	-17.36	SI7021-Y	-17.4	HTU21d-G	-17.3	SHT31-A	-16.87	AHT10	-19.96	AHT15	-20.18	HDC1080-C	-16.44	HDC208
SHT21-G	-17.42	SHT31-2	-17.42	BME680-C	-17.49	SI7021-G	-17.22	HTU21d-G	-17.52			AHT10	-18.15	AHT15	-19.82	HDC1080-C	-16.41	HDC208
SHT25	-17.33	SHT31-2	-17.4	BME680-C	-16.53	SI7021-A	-16.88	HTU21d-A	-17.41			AHT10	-19.28	AHT15	-19.85	HDC1080-C	-16.38	HDC208
Average	-17.06		-17.16		-16.76		-17.42		-17.14		-17.12		-19.47		-20.00		-16.30	



SHT2x	t° C	SHT3x	t° C	BMEx80	t° C	SI7021	t° C	HTU21	t° C	SHT85	t° C	AHT10	t° C	AHT15	t° C	HDC1080	t° C	HDC2
SHT20	-19.8	SHT30	-19.19	BME280	-18.72	SI7021	-19.2	HTU21d-Y	-19.45			AHT10	-22.56	AHT15	-23	HDC1080-G	-19.58	HDC208
SHT20	-19.68	SHT30	-19.07	BME280	-18.27	SI7021	-19.18	HTU21d-Y	-19.67			AHT10	-21.37	AHT15	-22.93	HDC1080-G	-19.49	HDC208
SHT20	-19.43	SHT31	-19.04	BME280	-18.43	SI7021-Y	-19.03	HTU21d-Y	-19.67	SHT85	-19.41	AHT10	-23.72	AHT15	-22.73	HDC1080-G	-19.18	HDC208
SHT21-C	-19.6	SHT31	-18.98	BME280-G	-19.13	SI7021-Y	-19.07	HTU21d-Y	-19.3	SHT85	-19.62	AHT10	-23.64	AHT15	-22.7	HDC1080-C	-19.18	HDC208
SHT21-C	-19.45	SHT35	-18.95	BME280-G	-19.63	SI7021-Y	-19.3	HTU21d-Y	-19.38	SHT85	-19.93	AHT10	-23.43	AHT15	-22.91	HDC1080-C	-19.26	HDC208
SHT21-G	-18.89	SHT35	-18.98	BME280-A	-19.37	SI7021-Y	-19.42	HTU21d-G	-19.19	SHT31-A	-18.86	AHT10	-23.34	AHT15	-23.01	HDC1080-C	-19.22	HDC208

SHT21-G	-19	SHT31-2	-18.91	BME680-C	-19.85	SI7021-G	-19.5	HTU21d-G	-19.34			AHT10	-21.41	AHT15	-22.63	HDC1080-C	-19.16	HDC208
SHT25	-18.98	SHT31-2	-18.96	BME680-C	-19.39	SI7021-A	-19.58	HTU21d-A	-19.2			AHT10	-22.74	AHT15	-22.69	HDC1080-C	-19.22	HDC208
Average	-19.35		-19.01		-19.10		-19.29		-19.40		-19.65		-22.78		-22.83		-19.29	

