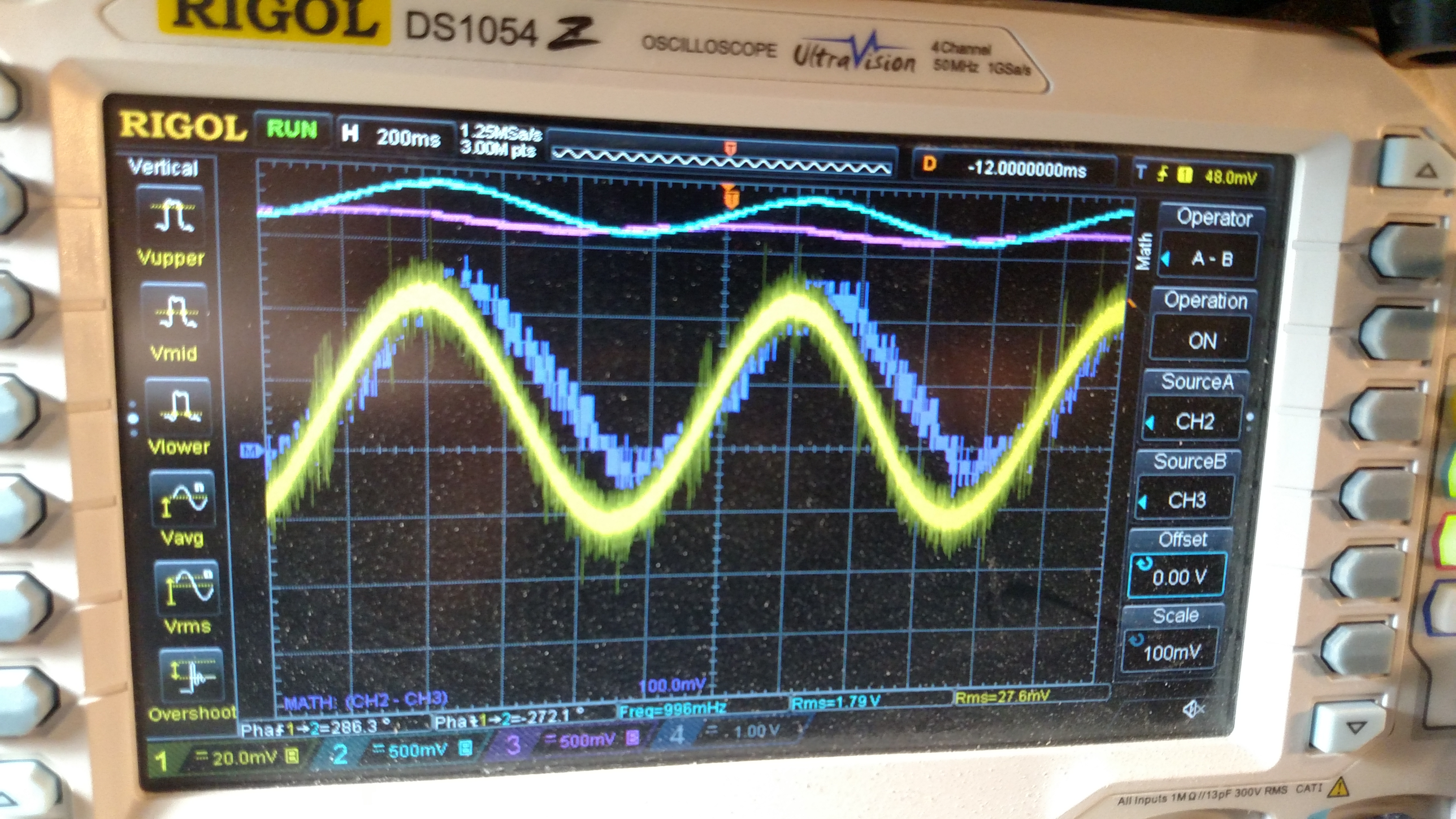
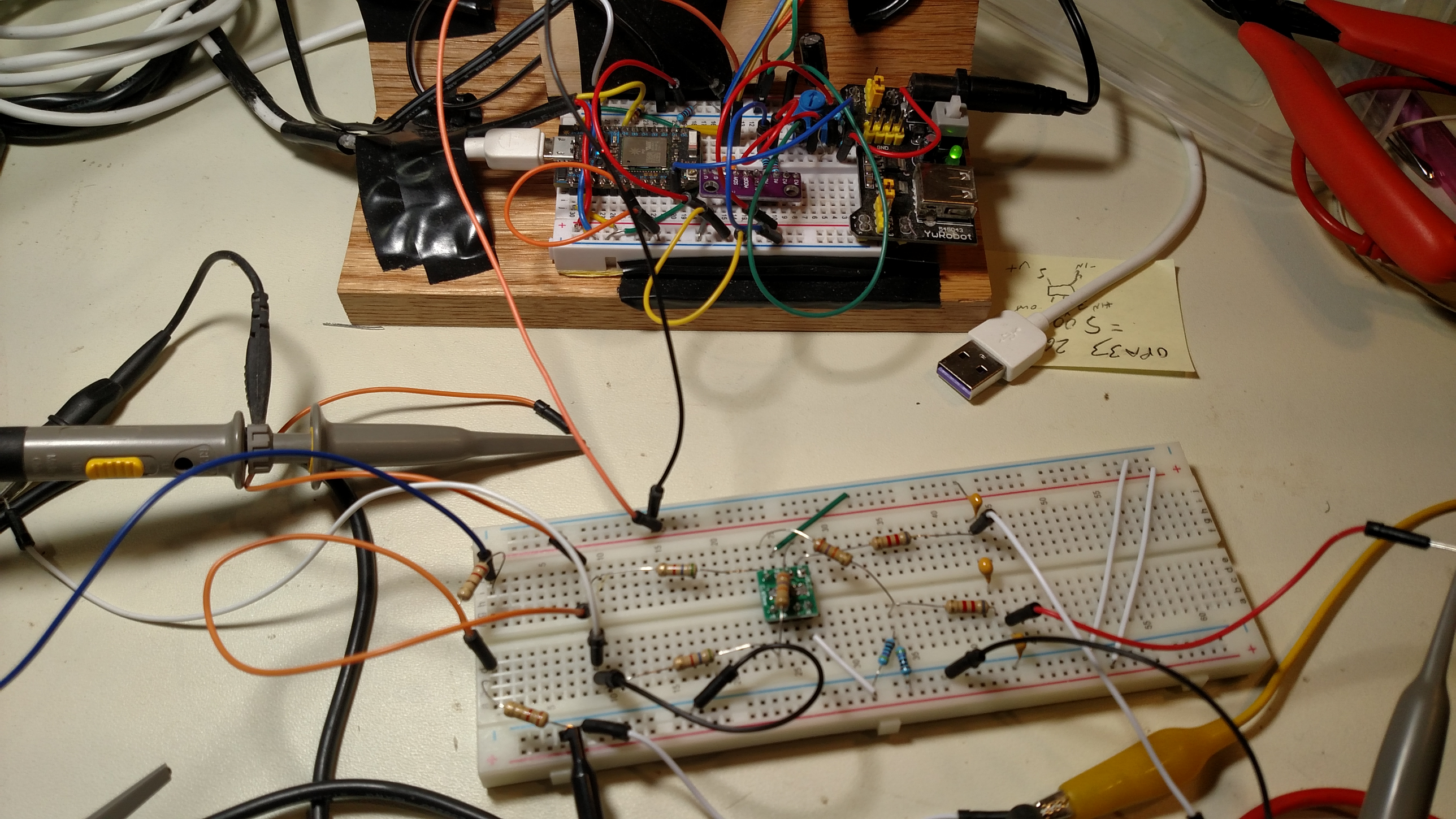
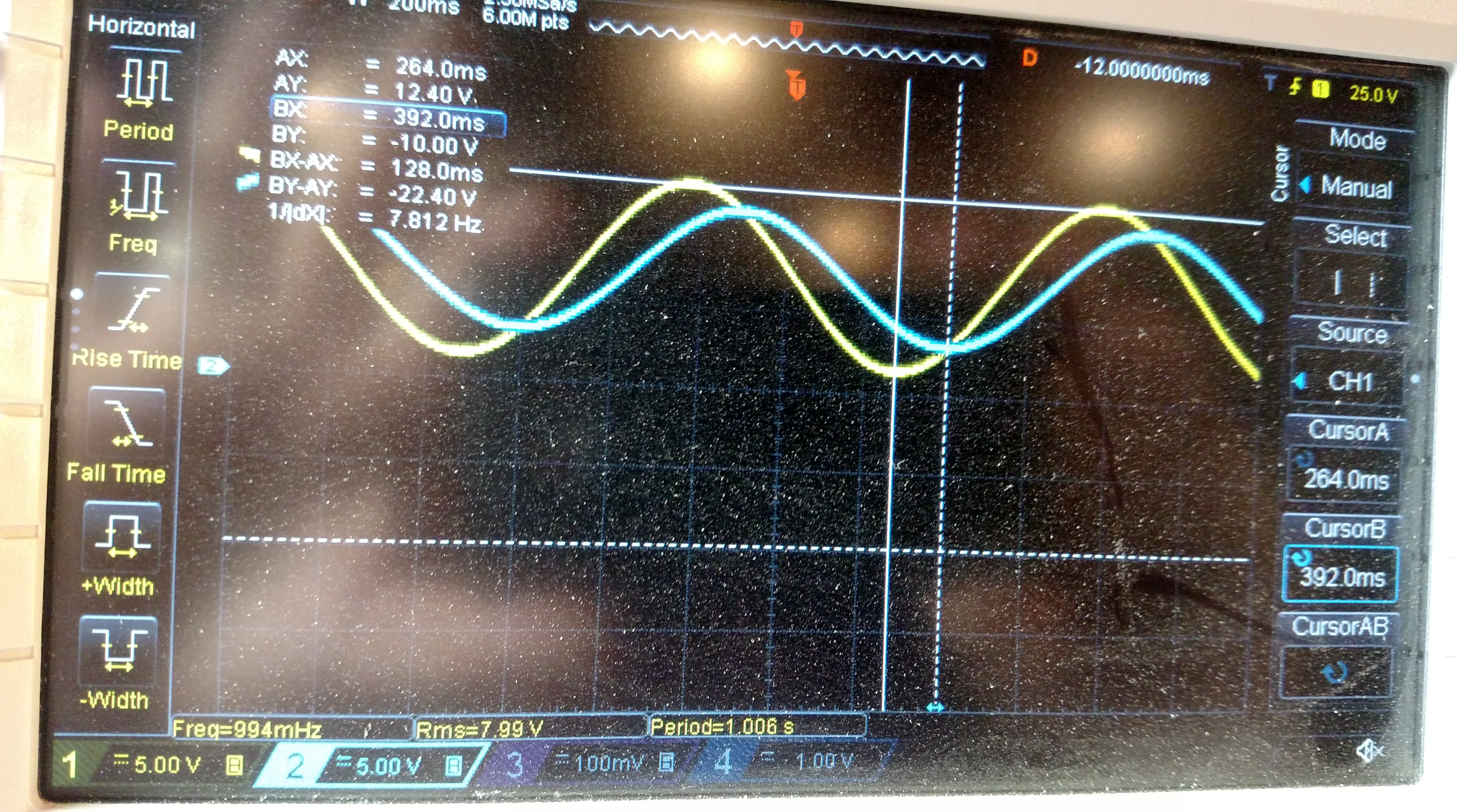
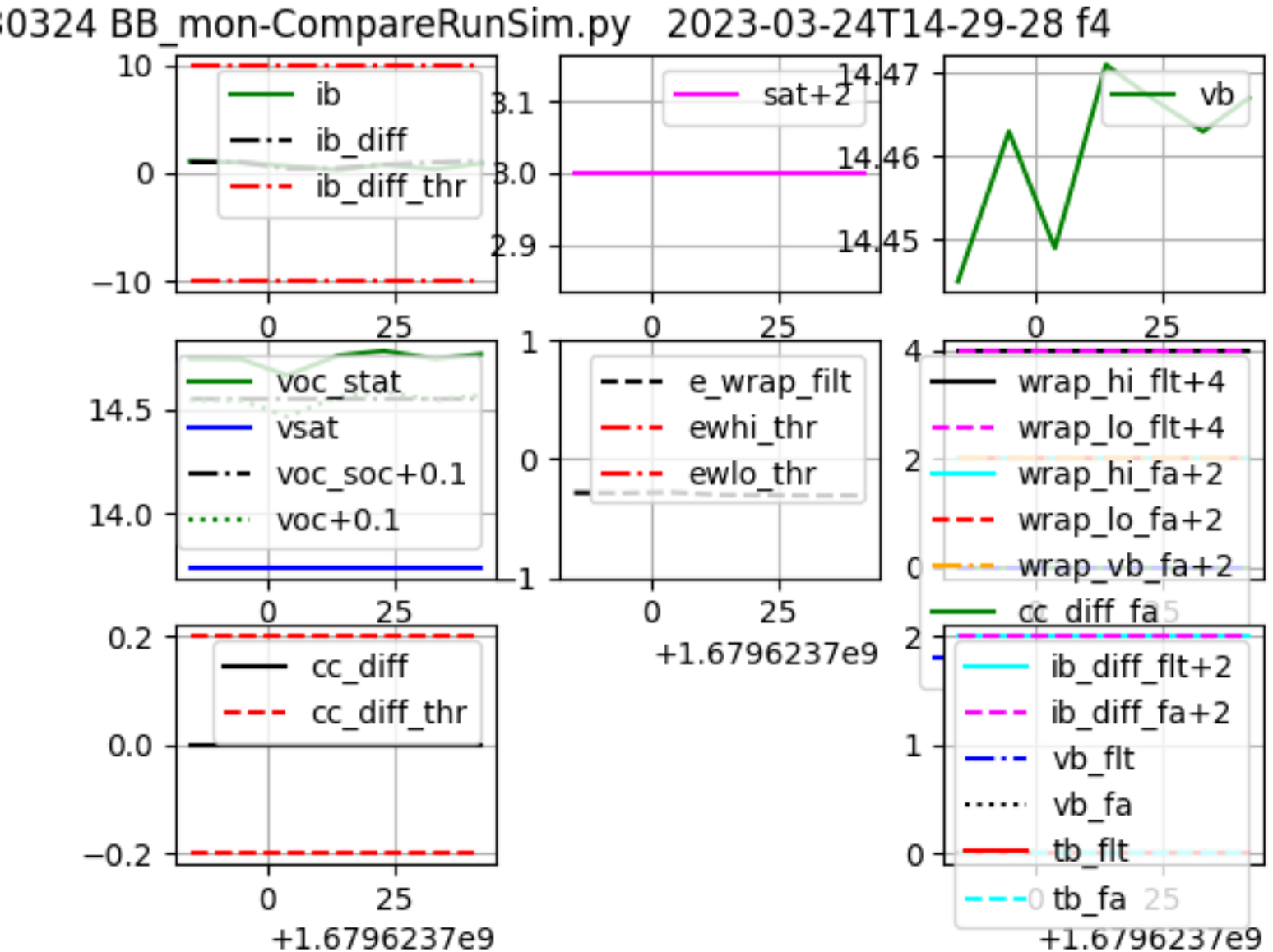
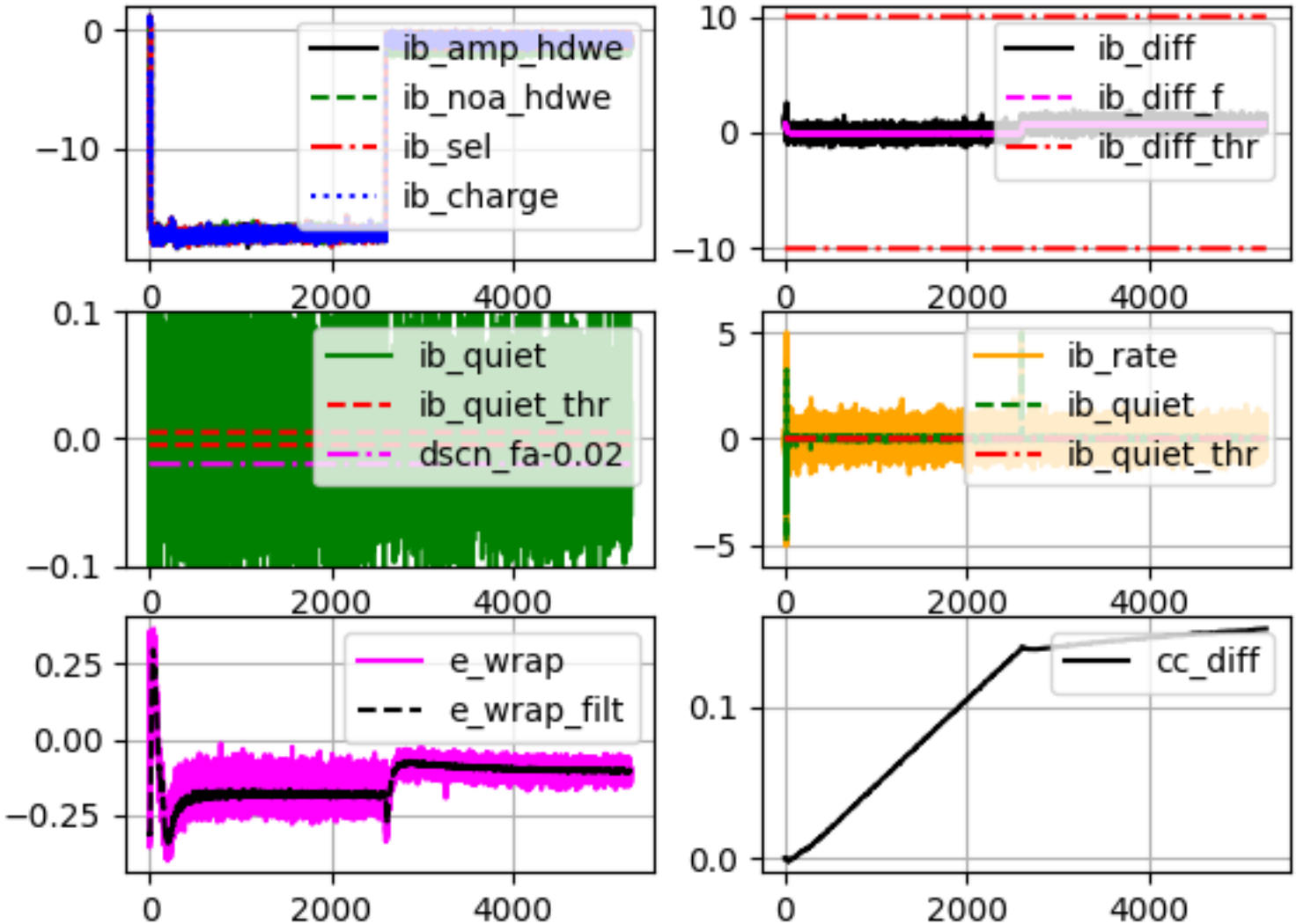

RIGOL
DS1054 Z
OSCILLOSCOPE
UltraVision
4Channel
50MHz 1GSa/s
RIGOL
RUN
H 200ms
1.25MSa/s
3.00M pts
D -12.0000000ms
T 48.0mV
Vertical
Vupper
Vmid
Vlower
Vavg
Vrms
Overshoot
Math
Operator
A - B
Operation
ON
SourceA
CH2
SourceB
CH3
Offset
0.00 V
Scale
100mV
100.0mV
MATH: (CH2 - CH3)
Freq=996mHz
Rms=1.79 V
Rms=27.6mV
Pha 1→2=286.3 °
Pha 1→2=-272.1 °
1 20.0mV
2 500mV
3 500mV
4 1.00 V
All Inputs 1MΩ//13pF 300V RMS CAT I

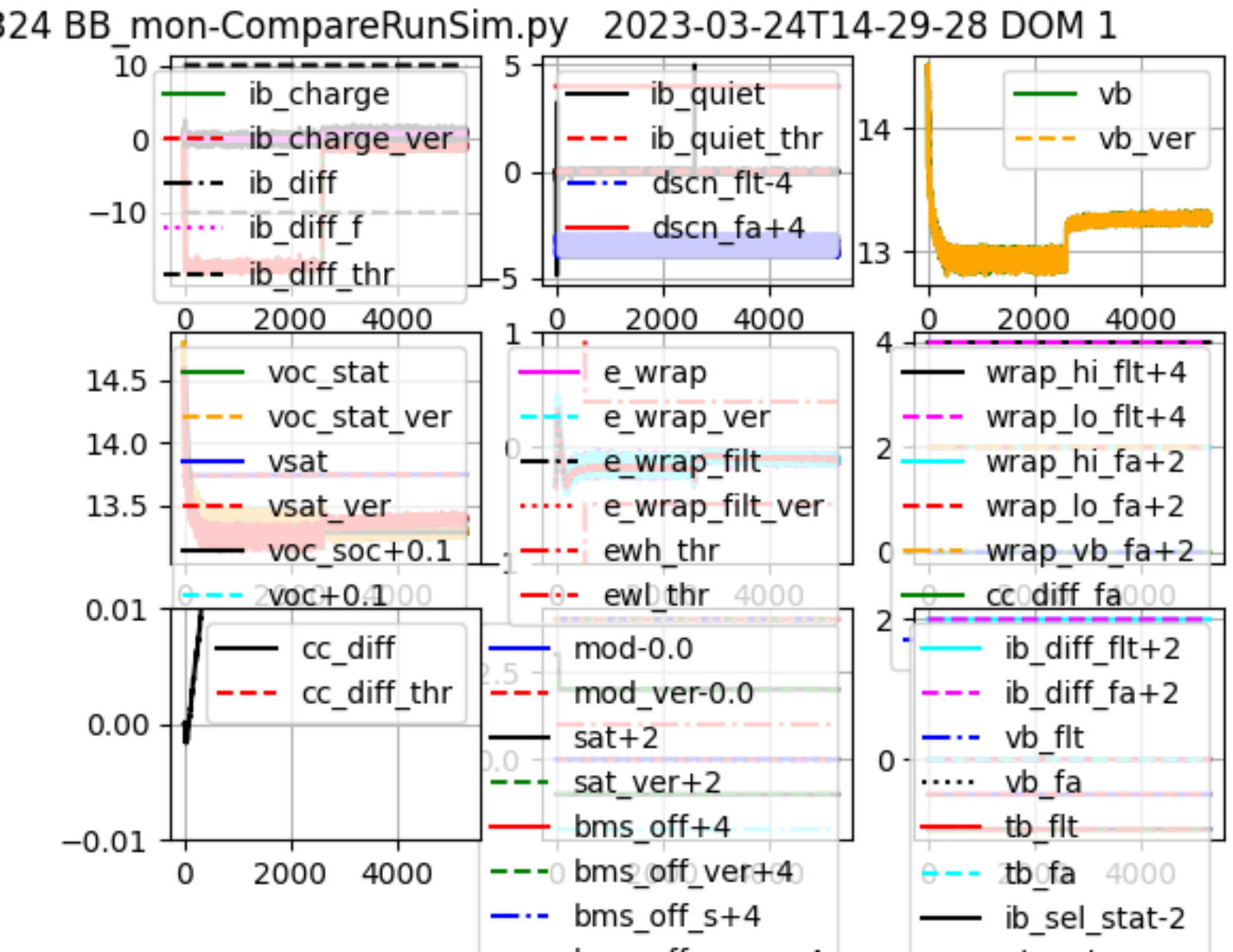

YuRobot
GND
OPA333


Horizontal
200ms
2.50MSa/s
6.00M pts
AX: = 264.0ms
AY: = 12.40 V
BX: = 392.0ms
BY: = -10.00 V
BX-AX: = 128.0ms
BY-AY: = -22.40 V
1/dX: = 7.812 Hz
-12.0000000ms
25.0 V
Period
Freq
Rise Time
Fall Time
+Width
-Width
Cursor
Mode
Manual
Select
Source
CH1
CursorA
264.0ms
CursorB
392.0ms
CursorAB
Freq=994mHz
Rms=7.99 V
Period=1.006 s
1 5.00 V
2 5.00 V
3 100mV
4 1.00 V

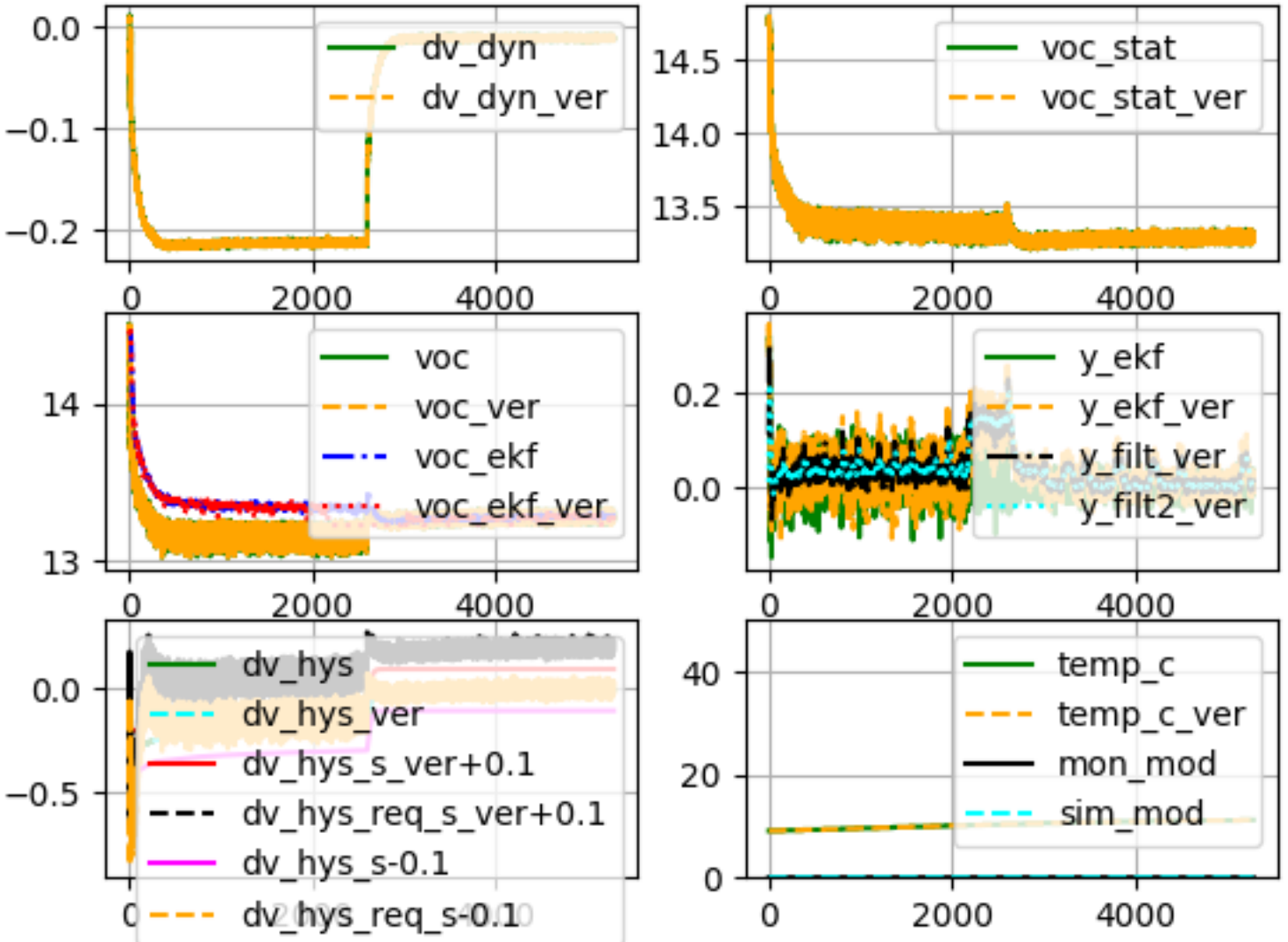

0324 BB_mon-CompareRunSim.py 2023-03-24T14-29-28 f4
ib
ib_diff
ib_diff_thr
sat+2
vb
voc_stat
vsat
voc_soc+0.1
voc+0.1
e_wrap_filt
ewhi_thr
ewlo_thr
wrap_hi_flt+4
wrap_lo_flt+4
wrap_hi_fa+2
wrap_lo_fa+2
wrap_vb_fa+2
cc_diff_fa
cc_diff
cc_diff_thr
ib_diff_flt+2
ib_diff_fa+2
vb_flt
vb_fa
tb_flt
tb_fa
+1.6796237e9
+1.6796237e9
+1.6796237e9

20230324 BB_mon-CompareRunSim.py 2023-03-24T14-29-28 1a

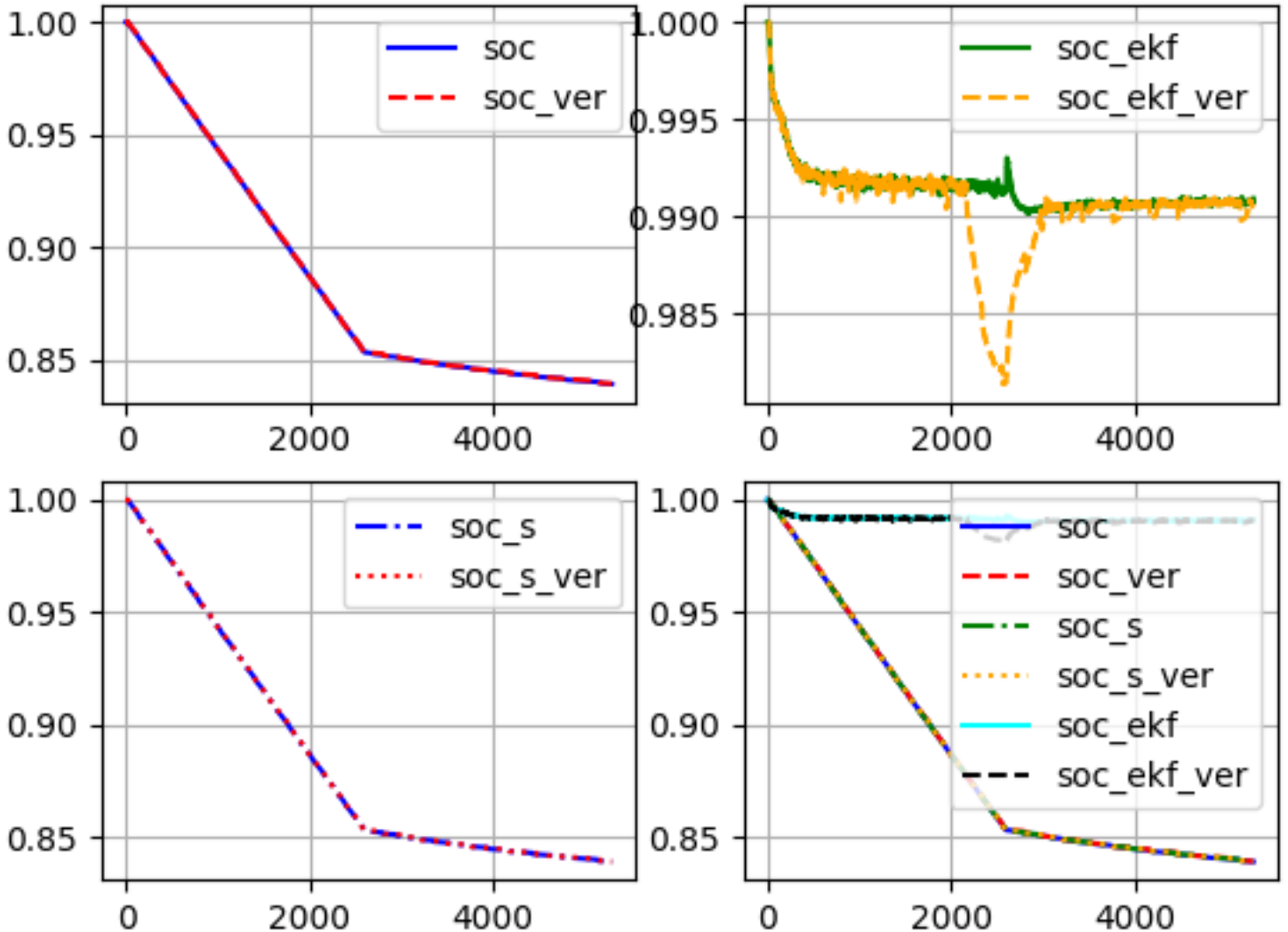


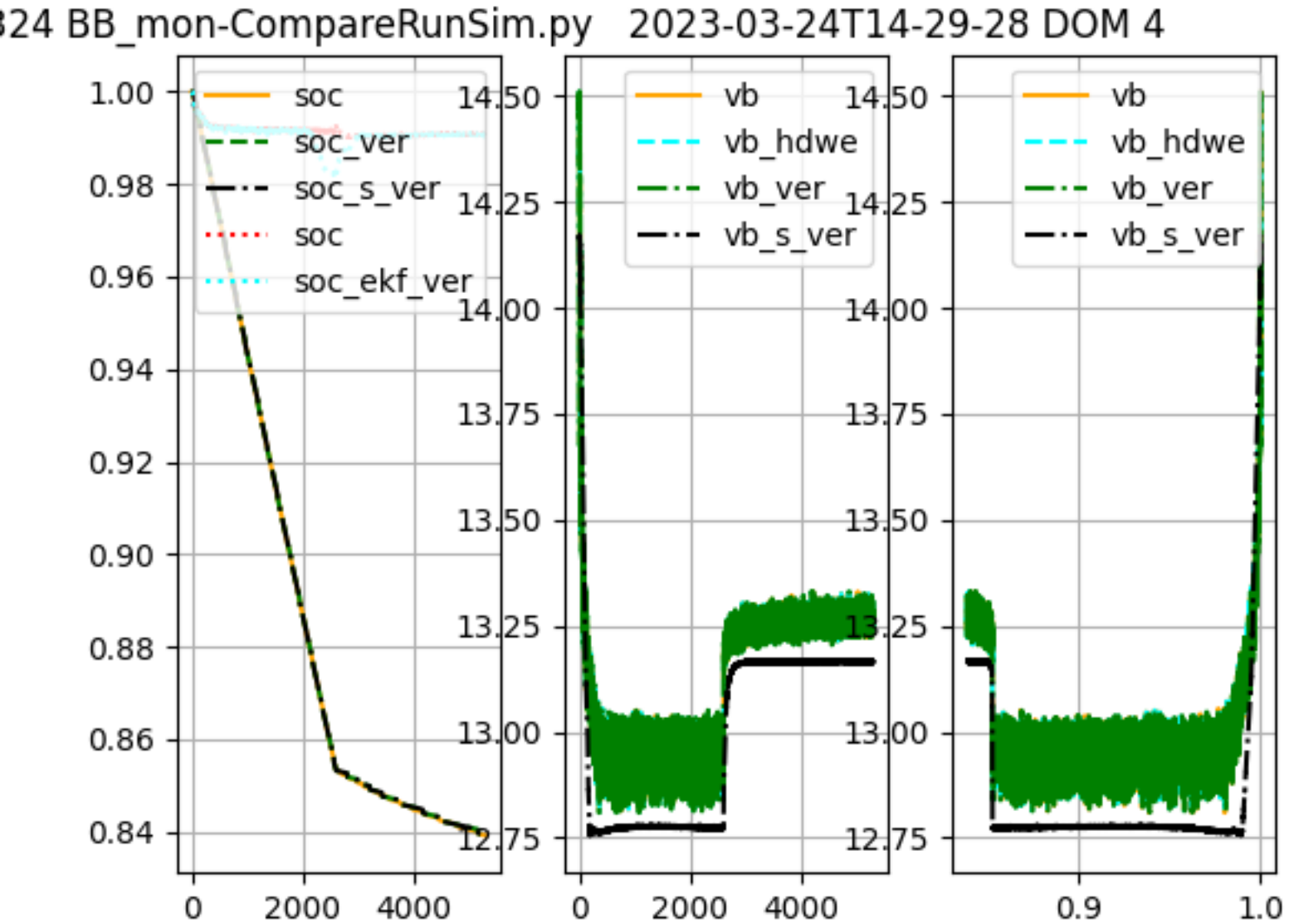

324 BB_mon-CompareRunSim.py 2023-03-24T14-29-28 DOM 1
ib_charge
ib_charge_ver
ib_diff
ib_diff_f
ib_diff_thr
ib_quiet
ib_quiet_thr
dscn_flt-4
dscn_fa+4
vb
vb_ver
voc_stat
voc_stat_ver
vsat
vsat_ver
voc_soc+0.1
voc+0.1
e_wrap
e_wrap_ver
e_wrap_filt
e_wrap_filt_ver
ewh_thr
ewl_thr
wrap_hi_flt+4
wrap_lo_flt+4
wrap_hi_fa+2
wrap_lo_fa+2
wrap_vb_fa+2
cc_diff_fa
cc_diff
cc_diff_thr
mod-0.0
mod_ver-0.0
sat+2
sat_ver+2
bms_off+4
bms_off_ver+4
bms_off_s+4
ib_diff_flt+2
ib_diff_fa+2
vb_flt
vb_fa
tb_flt
tb_fa
ib_sel_stat-2

230324 BB_mon-CompareRunSim.py 2023-03-24T14-29-28 DOM 2



230324 BB_mon-CompareRunSim.py 2023-03-24T14-29-28 DOM 3




324 BB_mon-CompareRunSim.py 2023-03-24T14-29-28 DOM 4
soc
soc_ver
soc_s_ver
soc
soc_ekf_ver
vb
vb_hdwe
vb_ver
vb_s_ver
vb
vb_hdwe
vb_ver
vb_s_ver
1.00
0.98
0.96
0.94
0.92
0.90
0.88
0.86
0.84
14.50
14.25
14.00
13.75
13.50
13.25
13.00
12.75
0
2000
4000
0.9
1.0