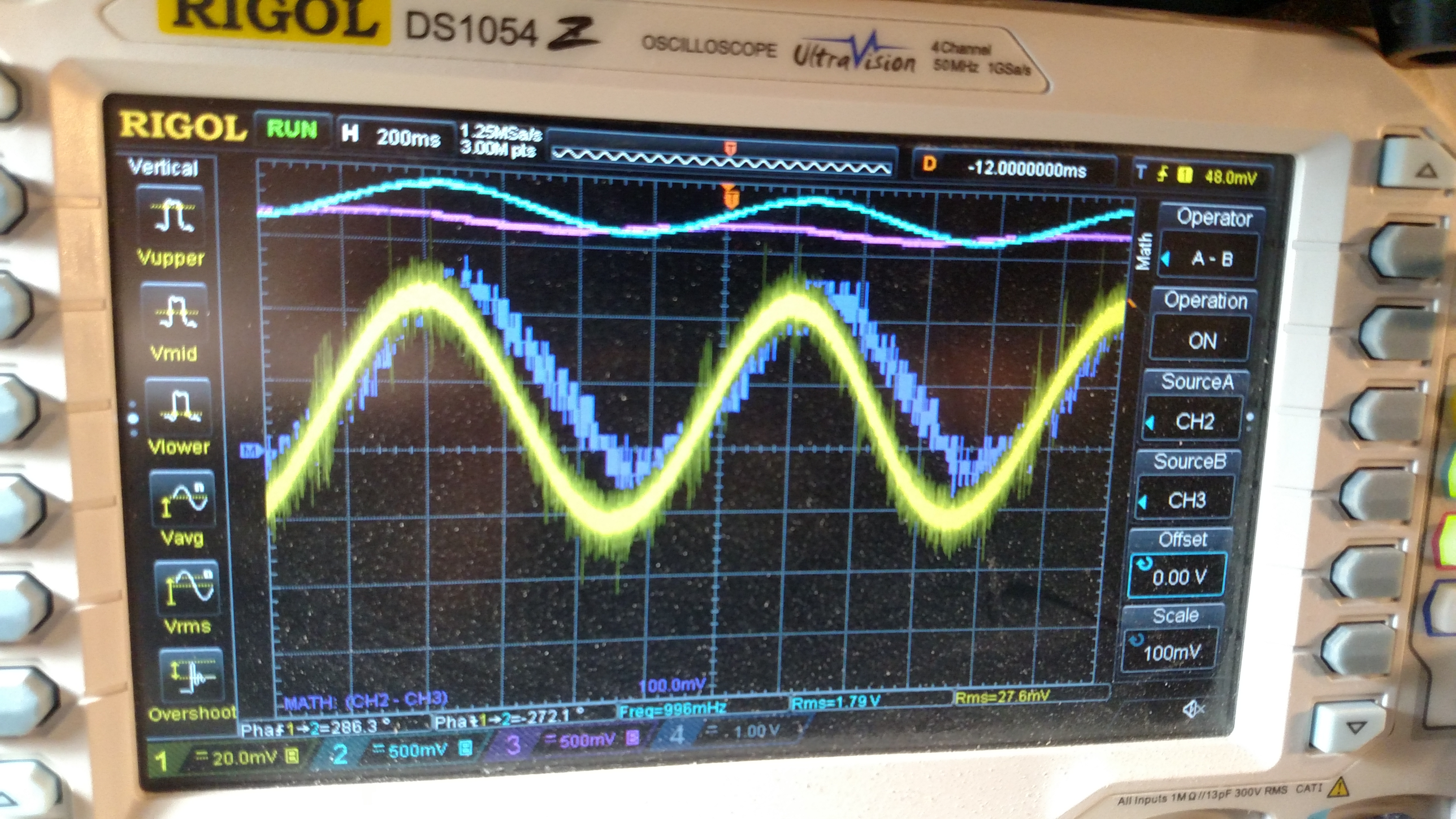
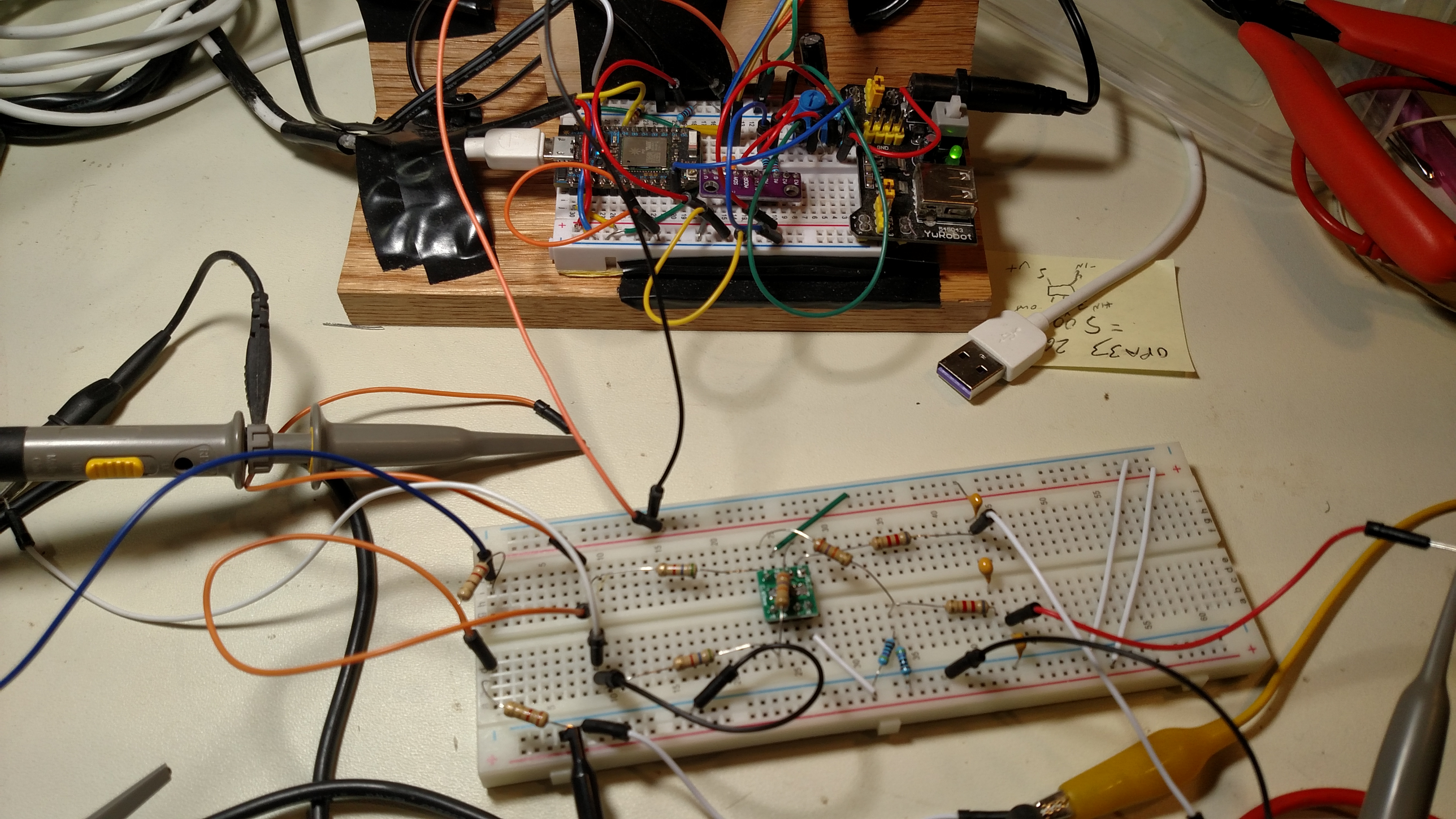
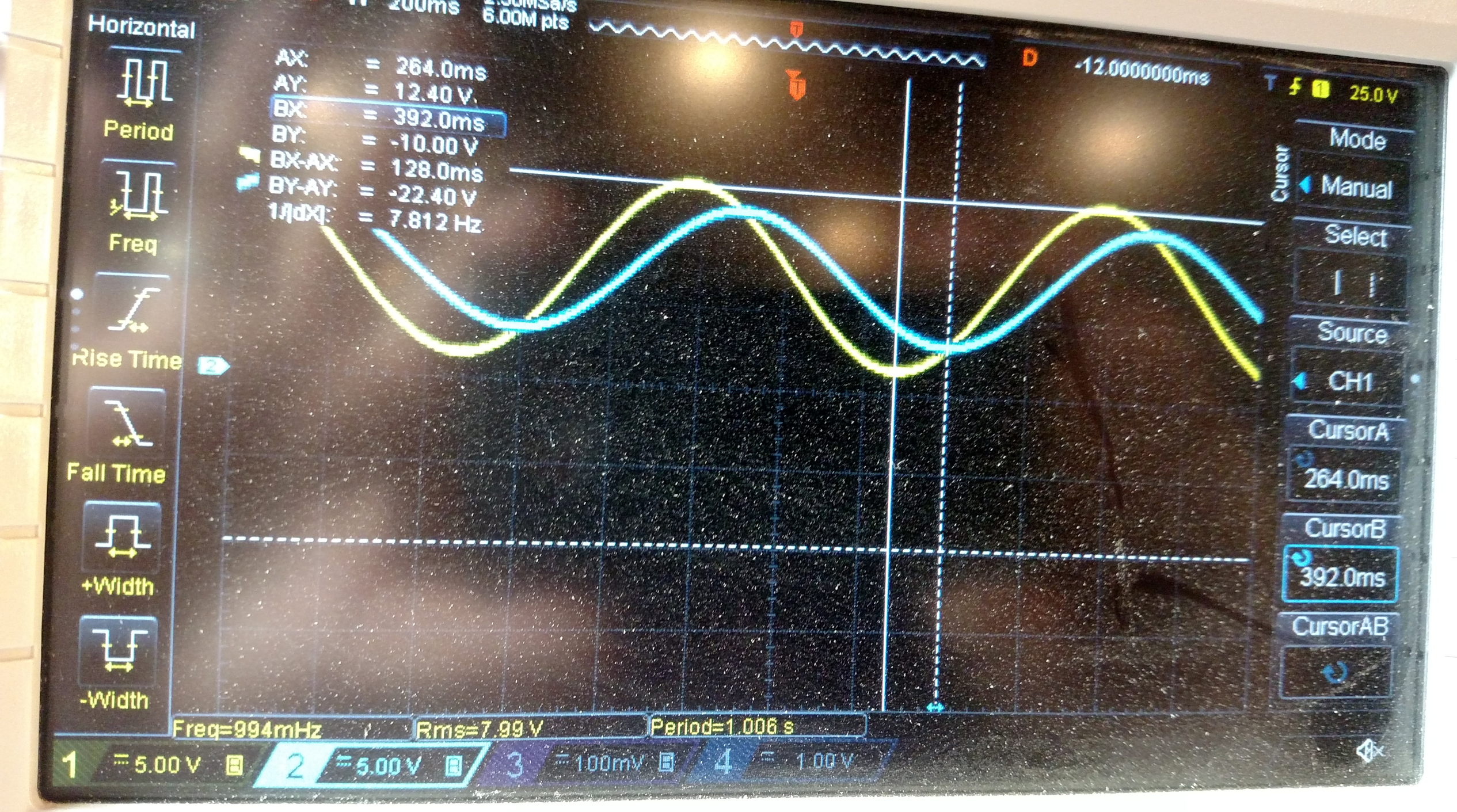
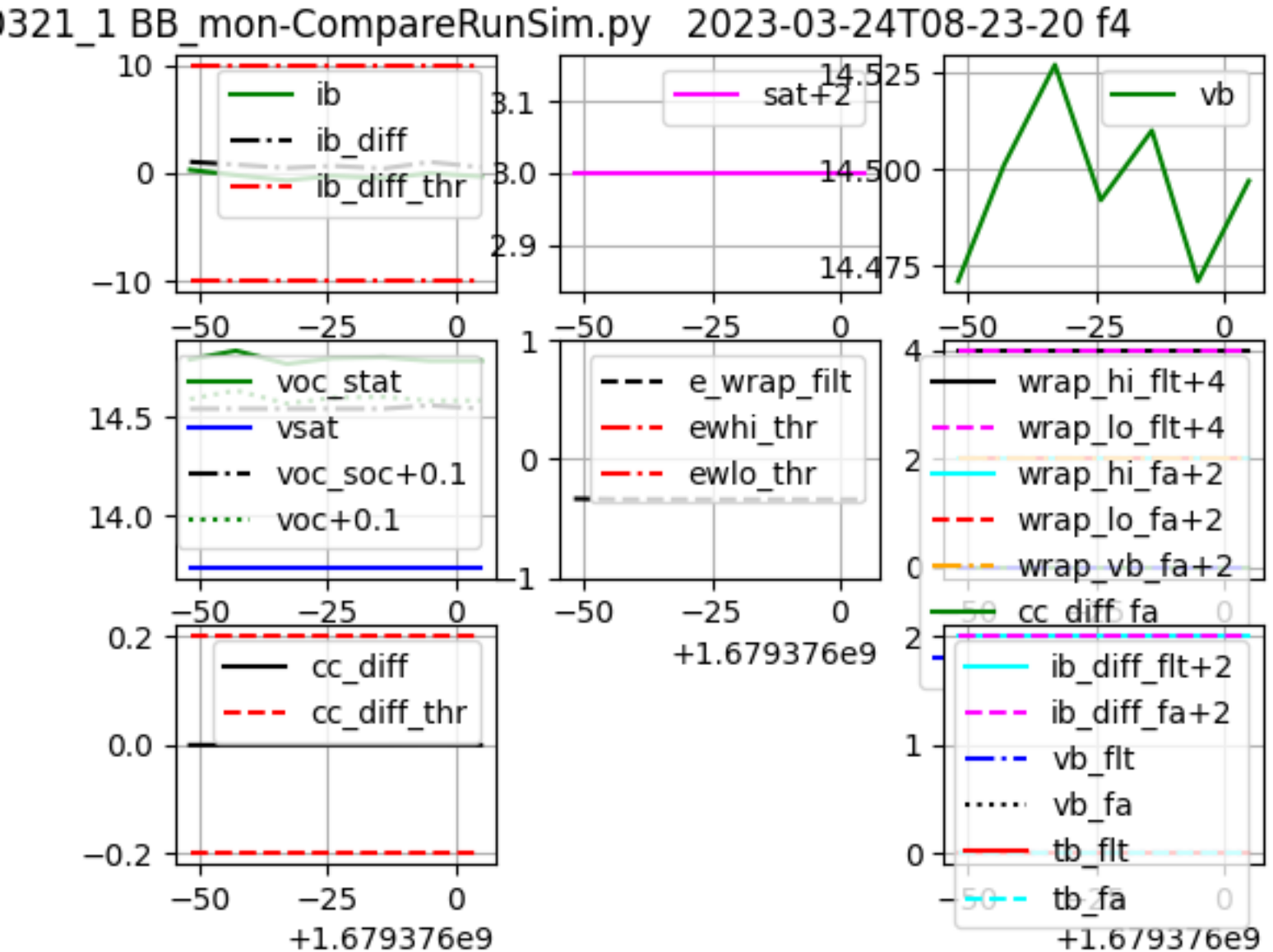
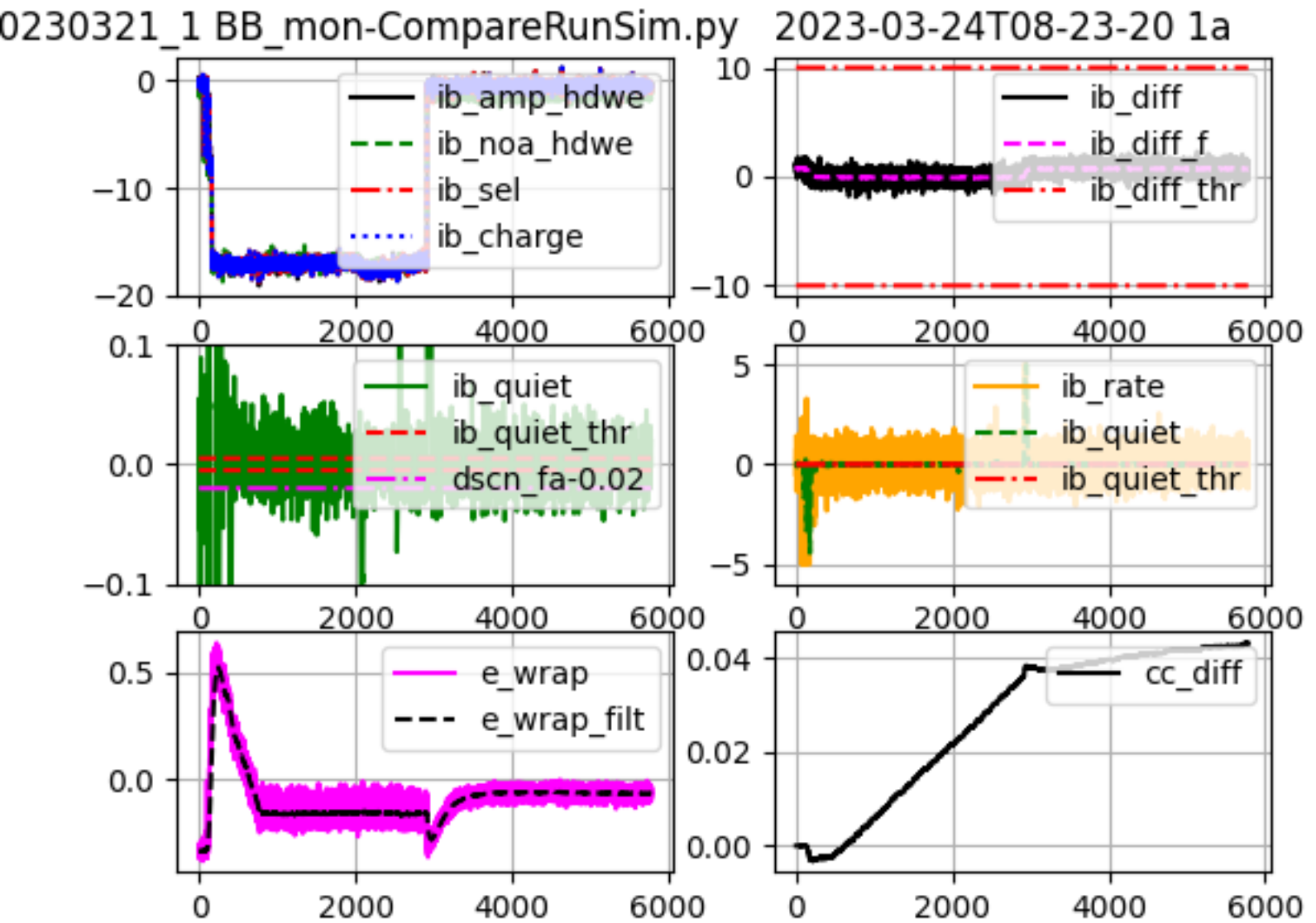

RIGOL
DS1054 Z
OSCILLOSCOPE
UltraVision
4Channel
50MHz 1GSa/s
RIGOL
RUN
H 200ms
1.25MSa/s
3.00M pts
D -12.0000000ms
T 48.0mV
Vertical
Vupper
Vmid
Vlower
Vavg
Vrms
Overshoot
Math
Operator
A - B
Operation
ON
SourceA
CH2
SourceB
CH3
Offset
0.00 V
Scale
100mV
100.0mV
MATH: (CH2 - CH3)
Freq=996mHz
Rms=1.79 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

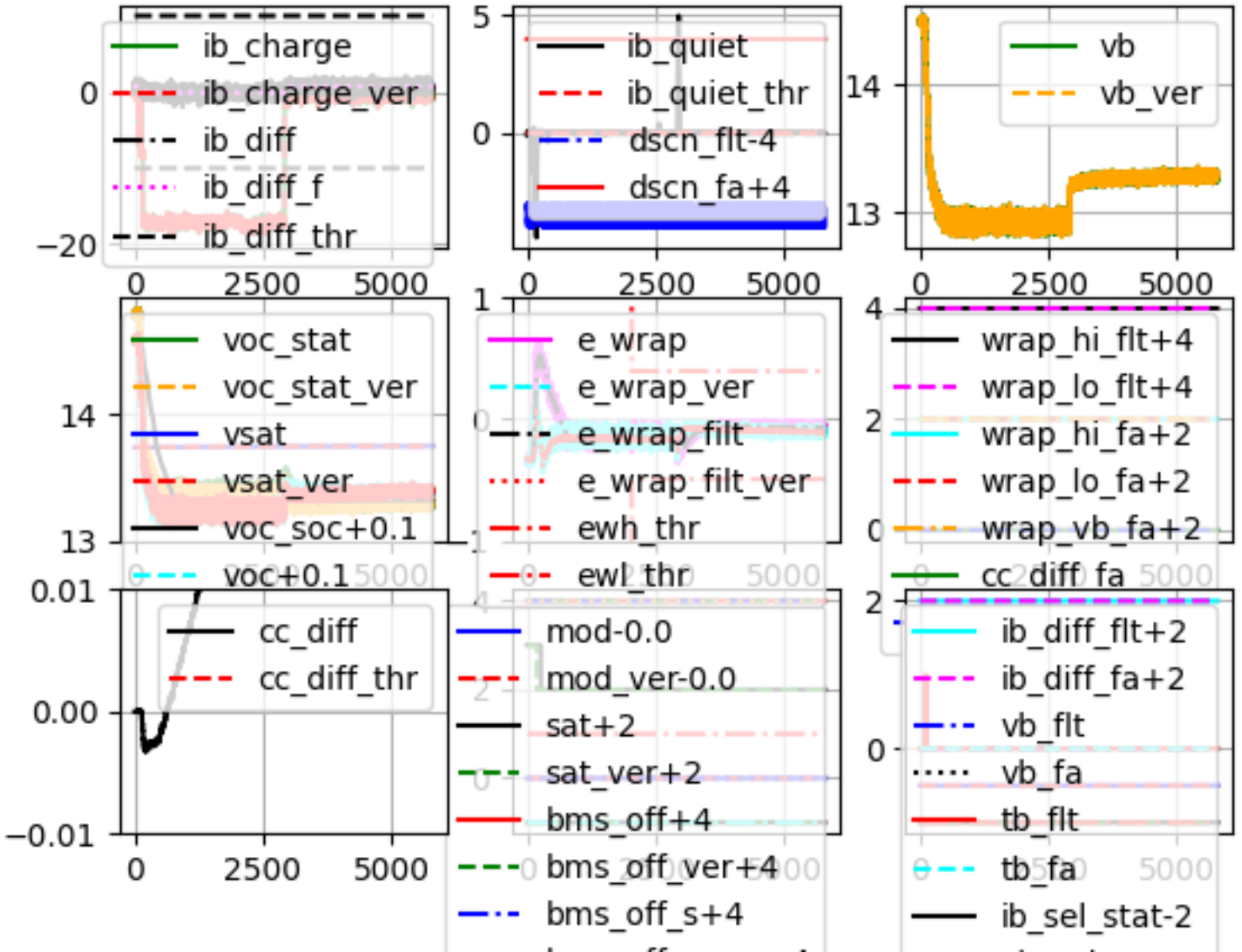

YuRobot
GND
OPA333

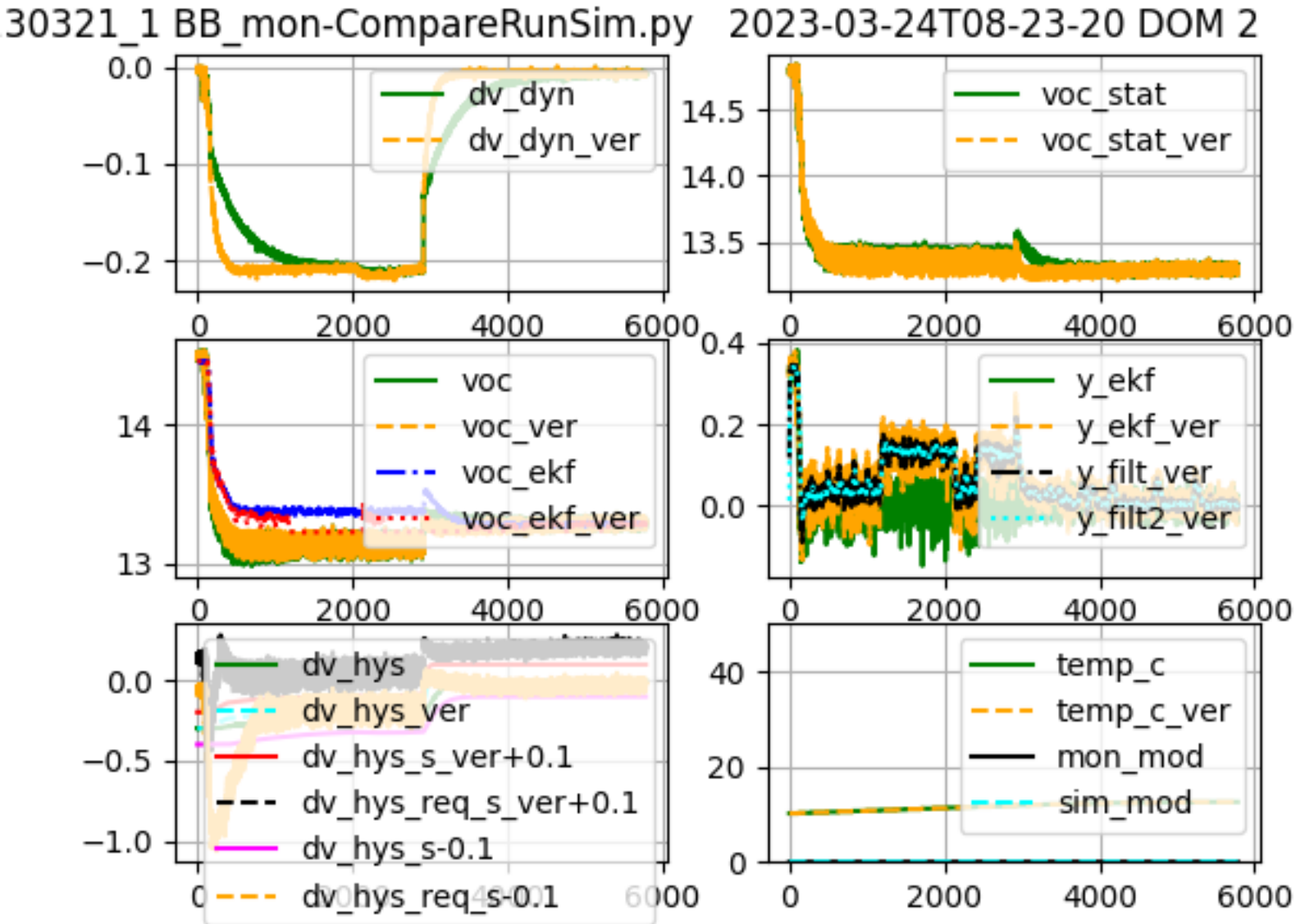

Horizontal
200ms
2.50MSa/s
6.00M pts
AX: = 264.0ms
AY: = 12.40 V
BX: = 392.0ms
BY: = -10.00 V
BX-AX: = 128.0ms
BY-AY: = -22.40 V
1/dX: = 7.812 Hz
-12.0000000ms
25.0 V
Period
Freq
Rise Time
Fall Time
+Width
-Width
Cursor
Mode
Manual
Select
Source
CH1
CursorA
264.0ms
CursorB
392.0ms
CursorAB
Freq=994mHz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

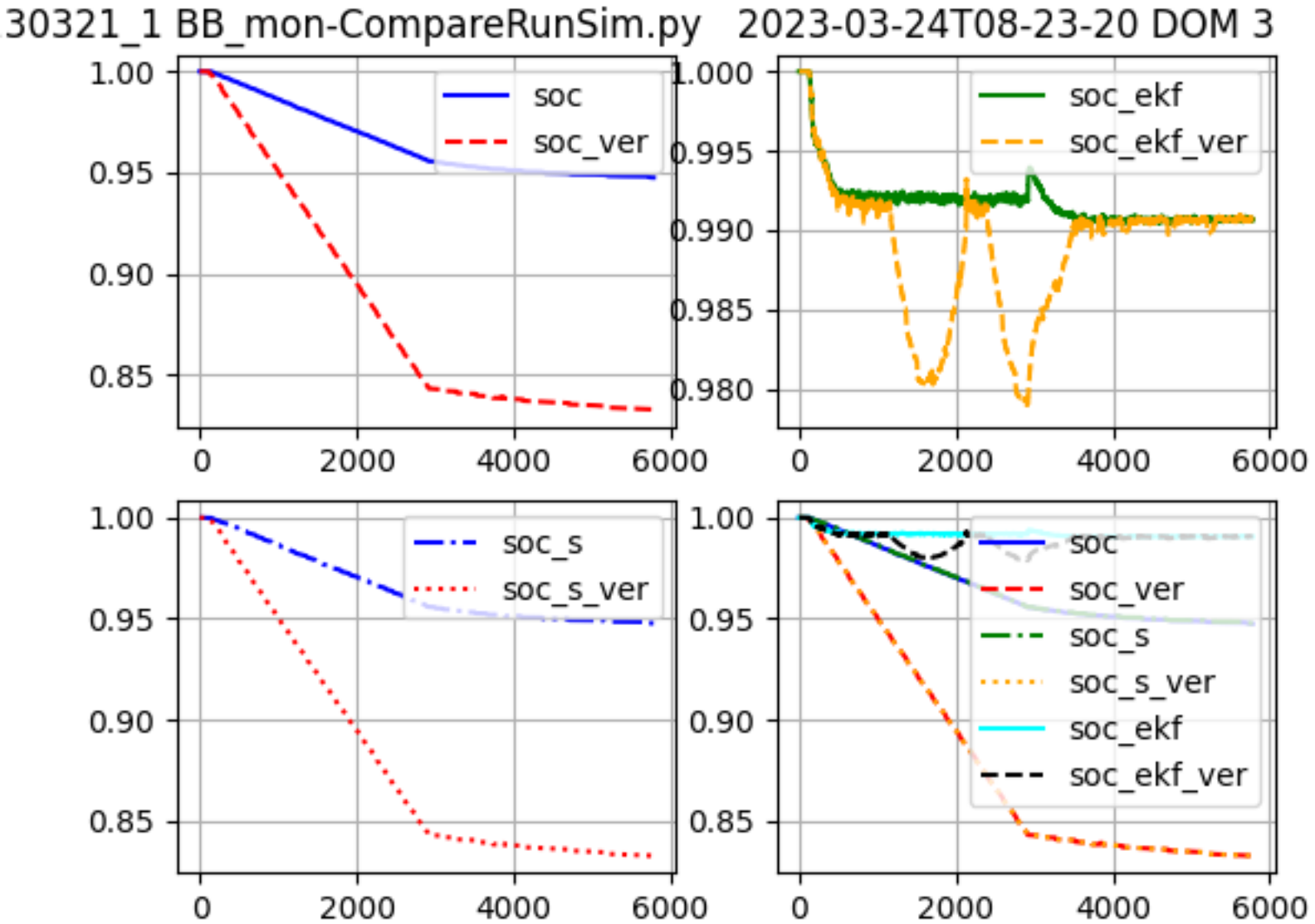

0321_1 BB_mon-CompareRunSim.py 2023-03-24T08-23-20 f4
ib
ib_diff
ib_diff_thr
sat+2
vb
voc_stat
vsat
voc_soc+0.1
voc+0.1
e_wrap_filt
ewhi_thr
ewlo_thr
wrap_hi_flt+4
wrap_lo_flt+4
wrap_hi_fa+2
wrap_lo_fa+2
wrap_vb_fa+2
cc_diff_fa
cc_diff
cc_diff_thr
ib_diff_flt+2
ib_diff_fa+2
vb_flt
vb_fa
tb_flt
tb_fa
+1.679376e9

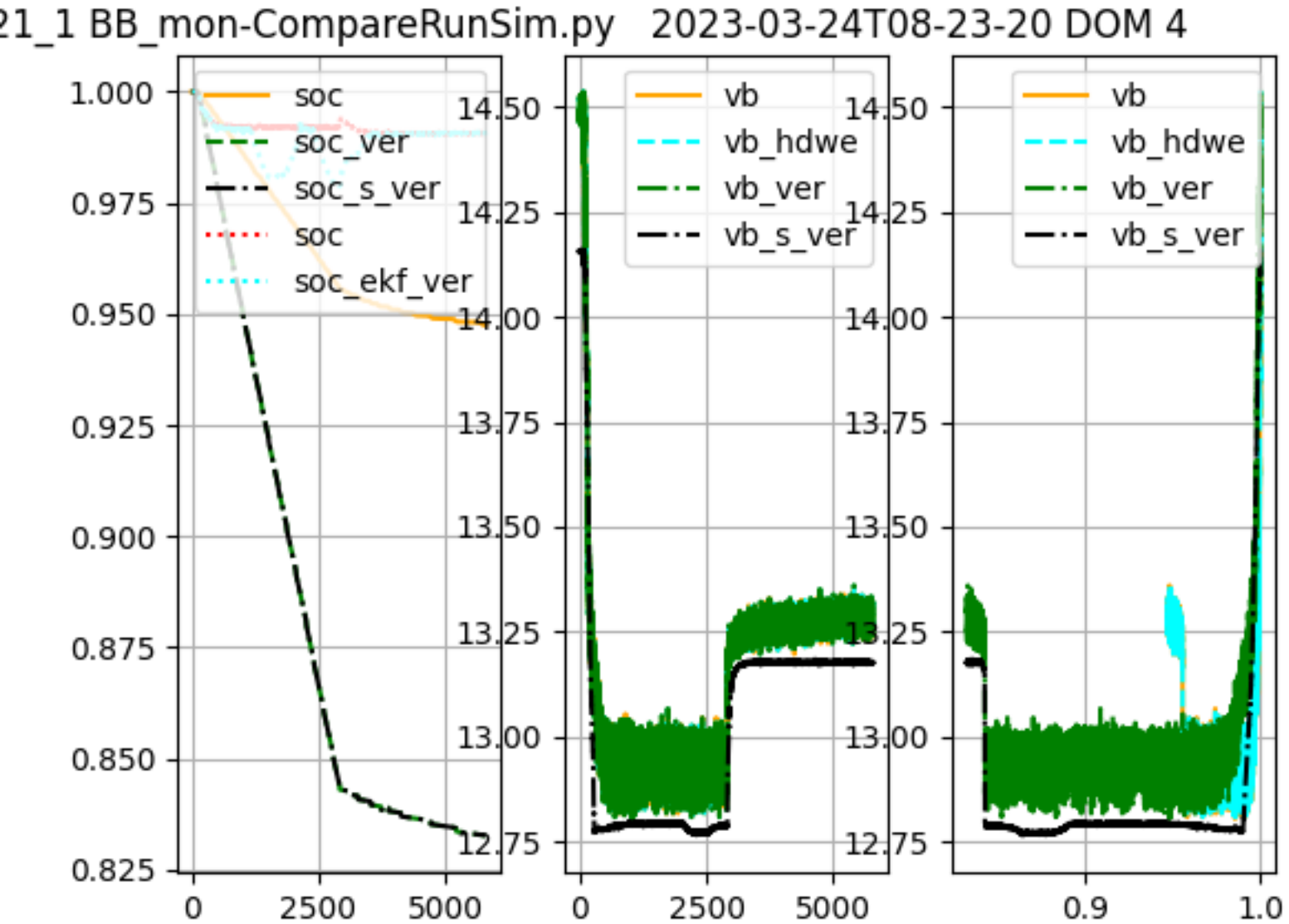

0230321_1 BB_mon-CompareRunSim.py 2023-03-24T08-23-20 1a
ib_amp_hdwe
ib_noa_hdwe
ib_sel
ib_charge
ib_diff
ib_diff_f
ib_diff_thr
ib_quiet
ib_quiet_thr
dscn_fa-0.02
ib_rate
ib_quiet
ib_quiet_thr
e_wrap
e_wrap_filt
cc_diff

21_1 BB_mon-CompareRunSim.py 2023-03-24T08-23-20 DOM 1




30321_1 BB_mon-CompareRunSim.py 2023-03-24T08-23-20 DOM 2
dv_dyn
dv_dyn_ver
voc_stat
voc_stat_ver
voc
voc_ver
voc_ekf
voc_ekf_ver
y_ekf
y_ekf_ver
y_filt_ver
y_filt2_ver
dv_hys
dv_hys_ver
dv_hys_s_ver+0.1
dv_hys_req_s_ver+0.1
dv_hys_s-0.1
dv_hys_req_s-0.1
temp_c
temp_c_ver
mon_mod
sim_mod


30321_1 BB_mon-CompareRunSim.py 2023-03-24T08-23-20 DOM 3
soc
soc_ver
soc_ekf
soc_ekf_ver
soc_s
soc_s_ver
soc
soc_ver
soc_s
soc_s_ver
soc_ekf
soc_ekf_ver
1.00
0.95
0.90
0.85
1.000
0.995
0.990
0.985
0.980
0
2000
4000
6000


21_1 BB_mon-CompareRunSim.py 2023-03-24T08-23-20 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
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
14.50
14.25
14.00
13.75
13.50
13.25
13.00
12.75
0
2500
5000
0.9
1.0