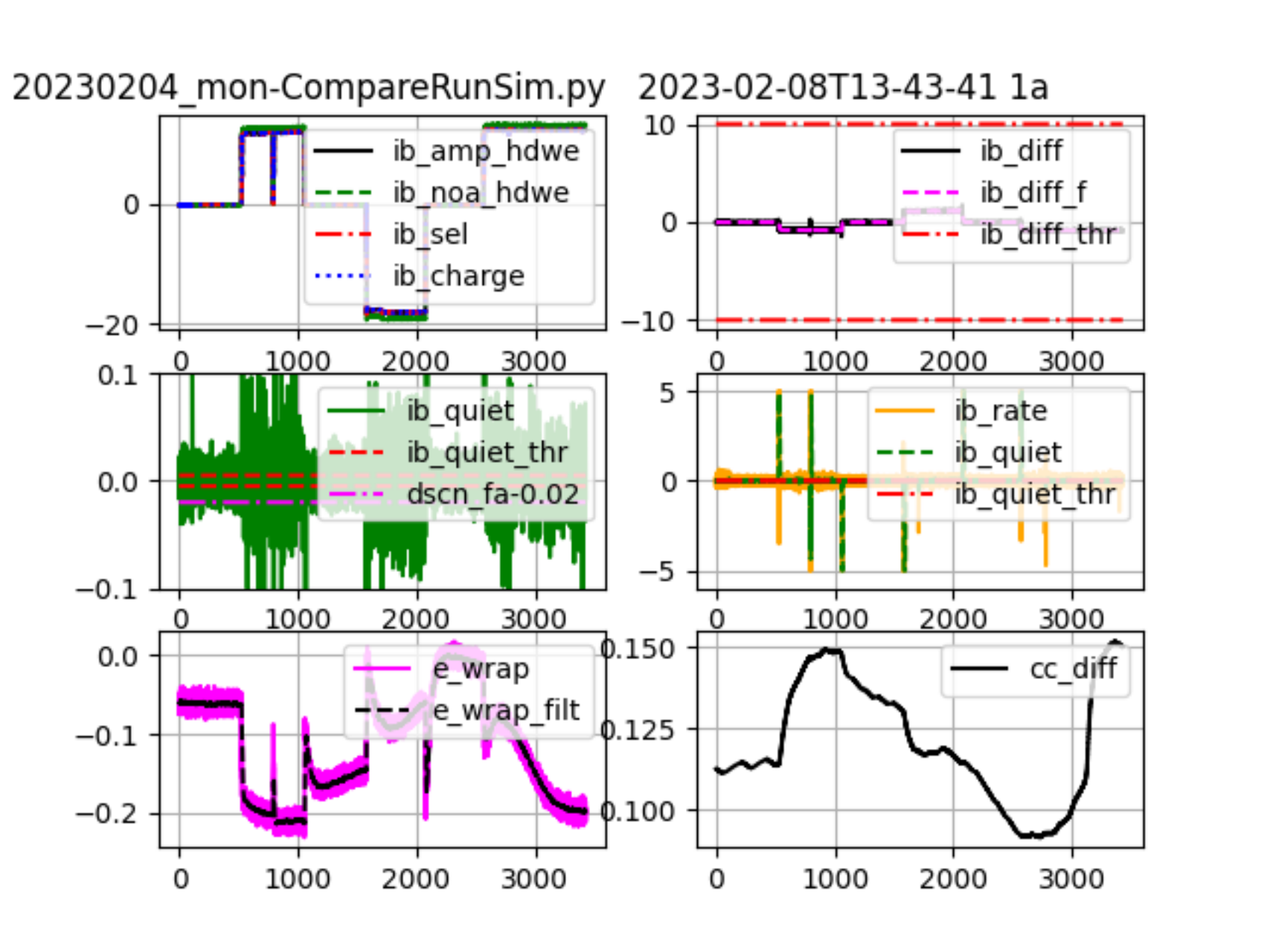
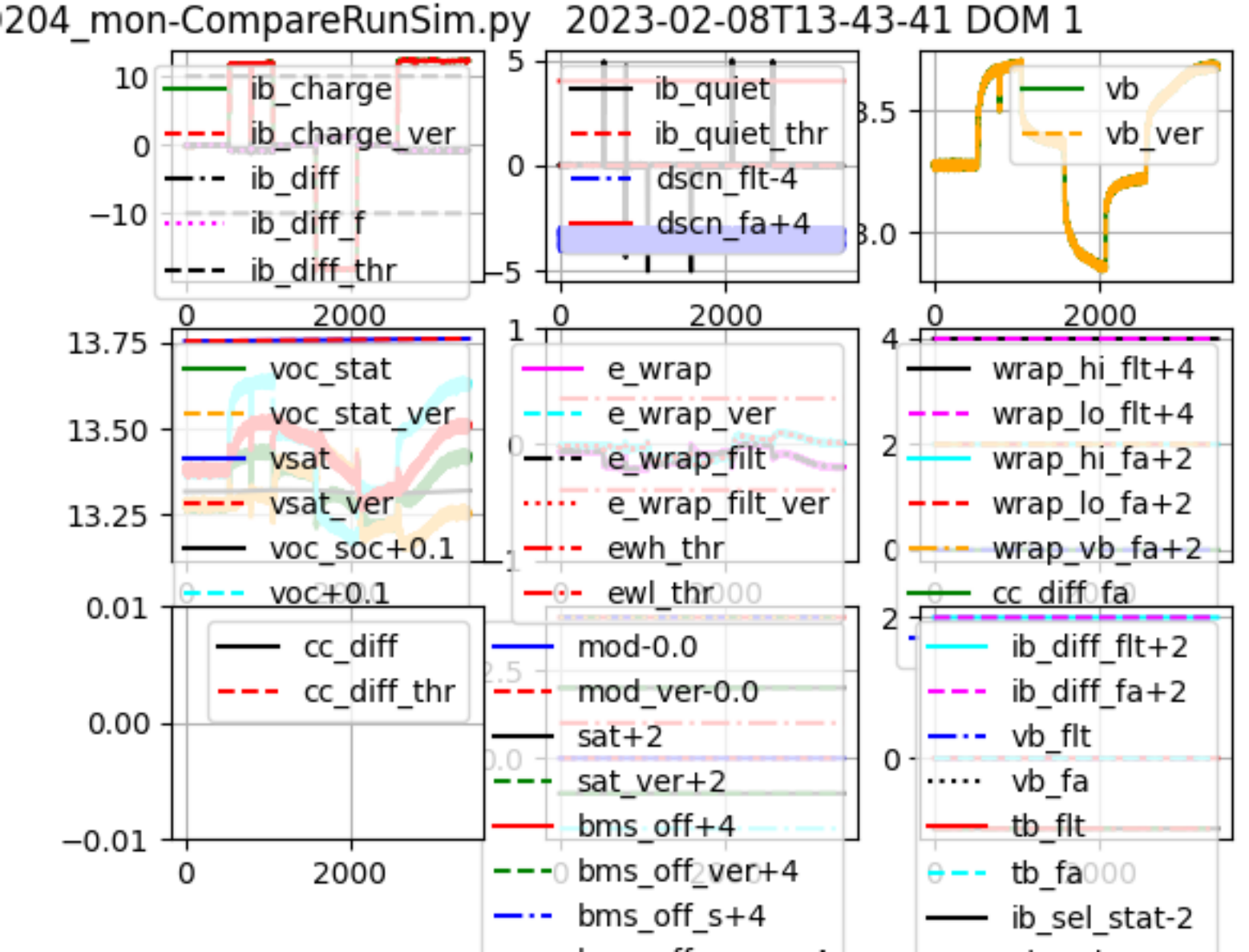
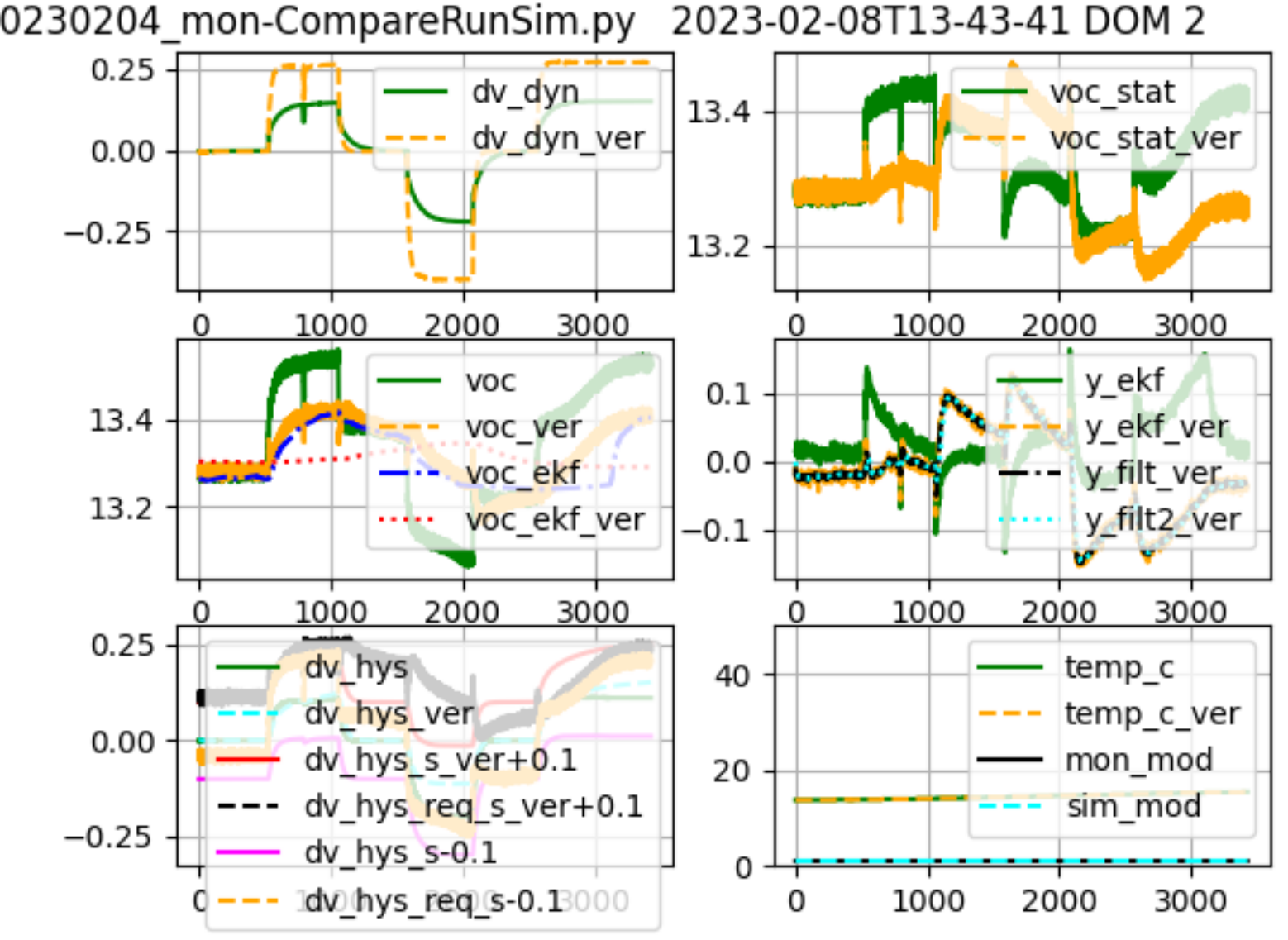
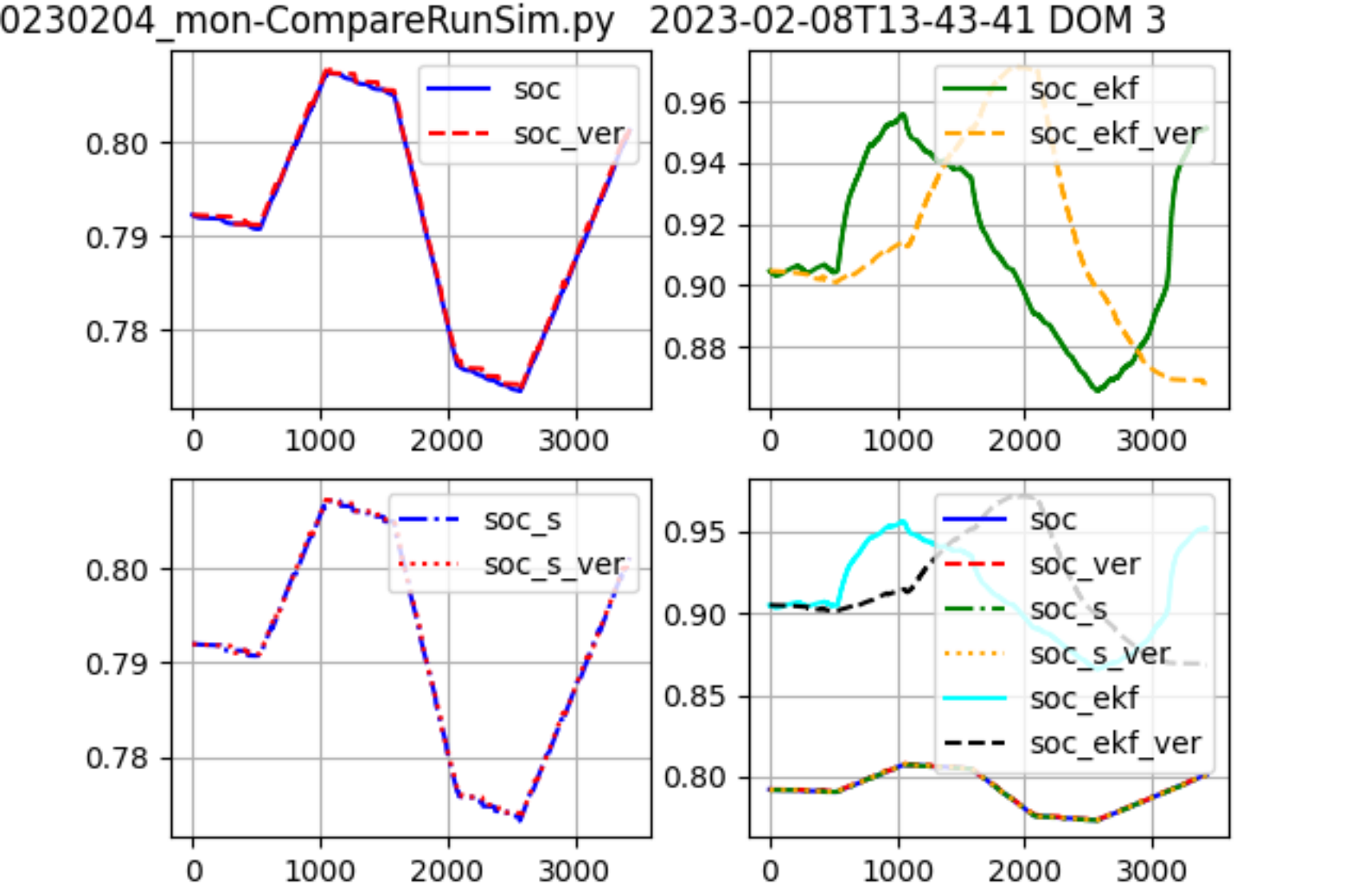
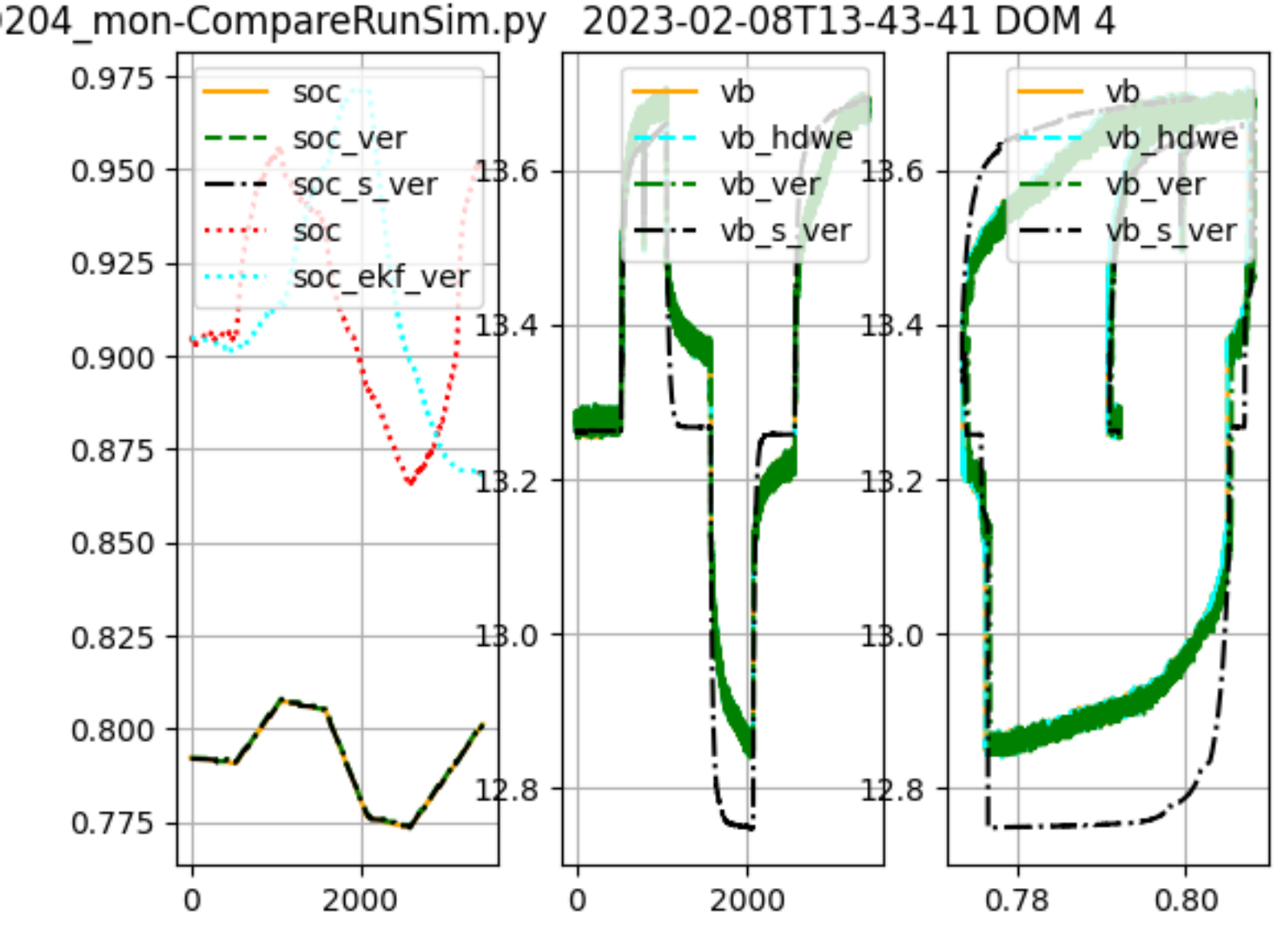
```
plot_colortable(mcolors.CSS4_COLORS)
plt.show()
```

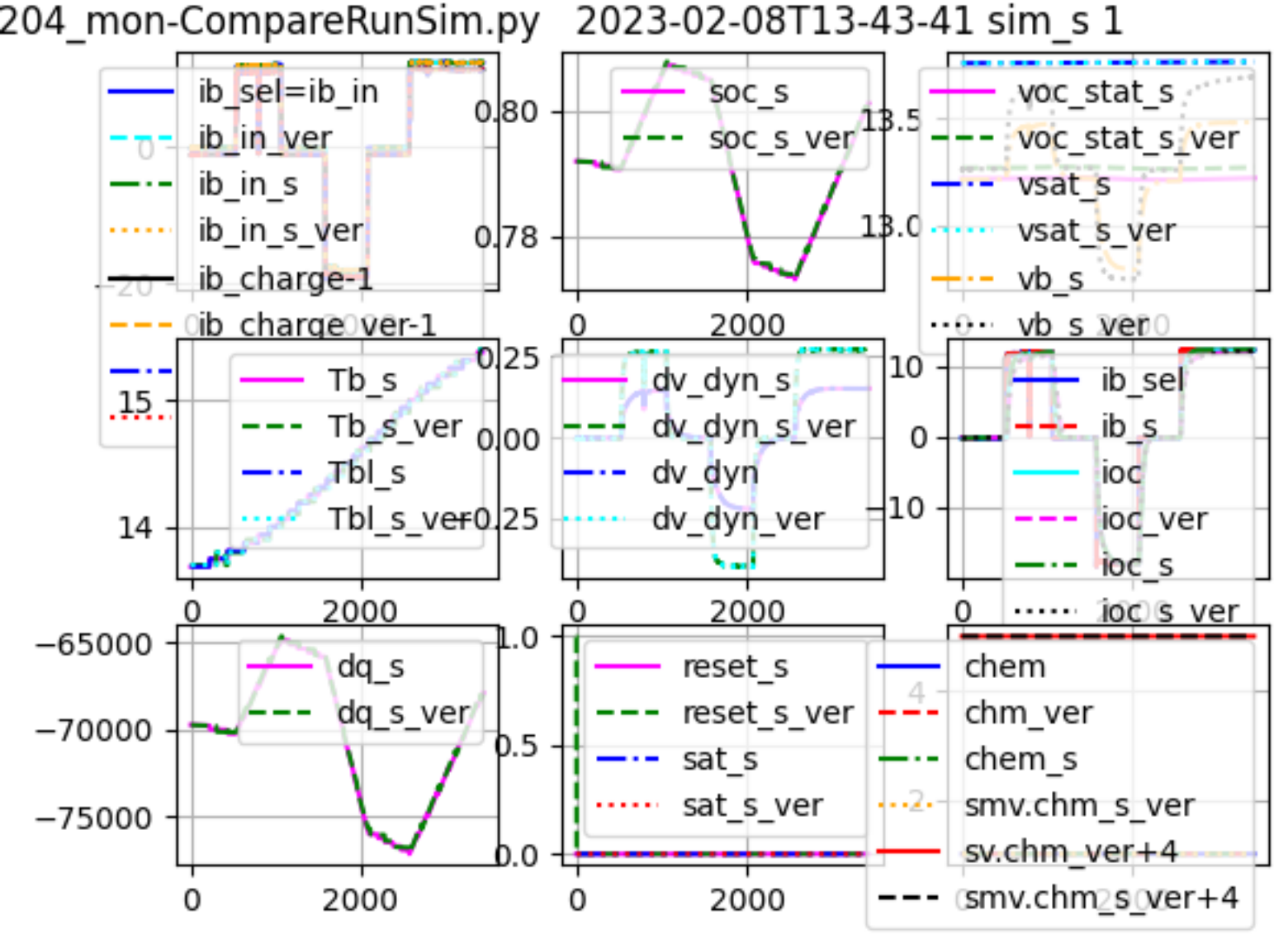

20230204_mon-CompareRunSim.py
2023-02-08T13-43-41 1a
ib_amp_hdwe
ib_noa_hdwe
ib_sel
ib_charge
ib_diff
ib_diff_f
ib_diff_thr
ib_quiet
ib_quiet_thr
dscn_fa-0.02
ib_rate
ib_quiet
ib_quiet_thr
e_wrap
e_wrap_filt
cc_diff

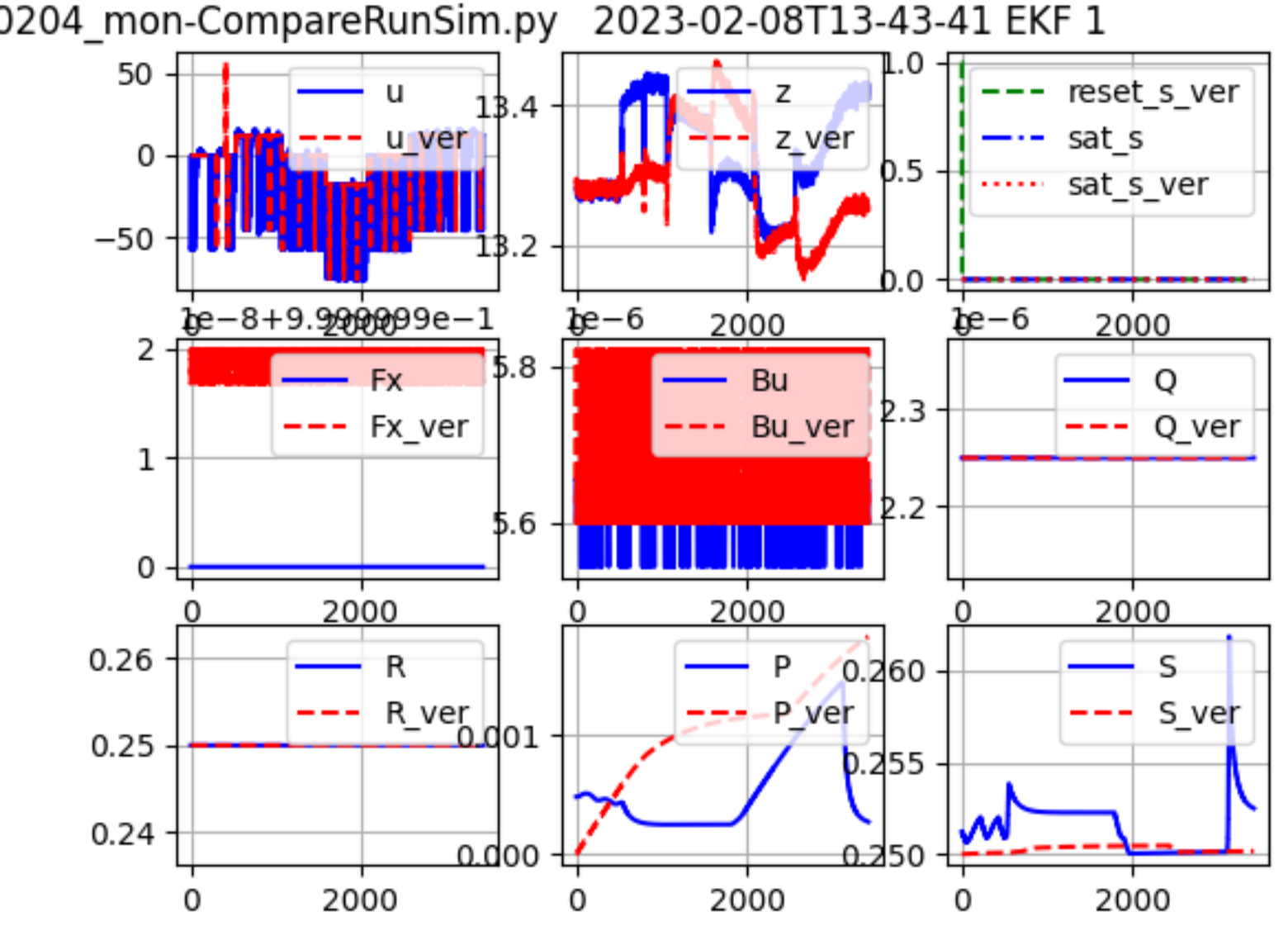

204_mon-CompareRunSim.py 2023-02-08T13-43-41 DOM 1
ib_charge
ib_charge_ver
ib_diff
ib_diff_f
ib_diff_thr
ib_quiet
ib_quiet_thr
dscn_flt-4
dscn_fa+4
vb
vb_ver
voc_stat
voc_stat_ver
vsat
vsat_ver
voc_soc+0.1
voc+0.1
e_wrap
e_wrap_ver
e_wrap_filt
e_wrap_filt_ver
ewh_thr
ewl_thr
wrap_hi_flt+4
wrap_lo_flt+4
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

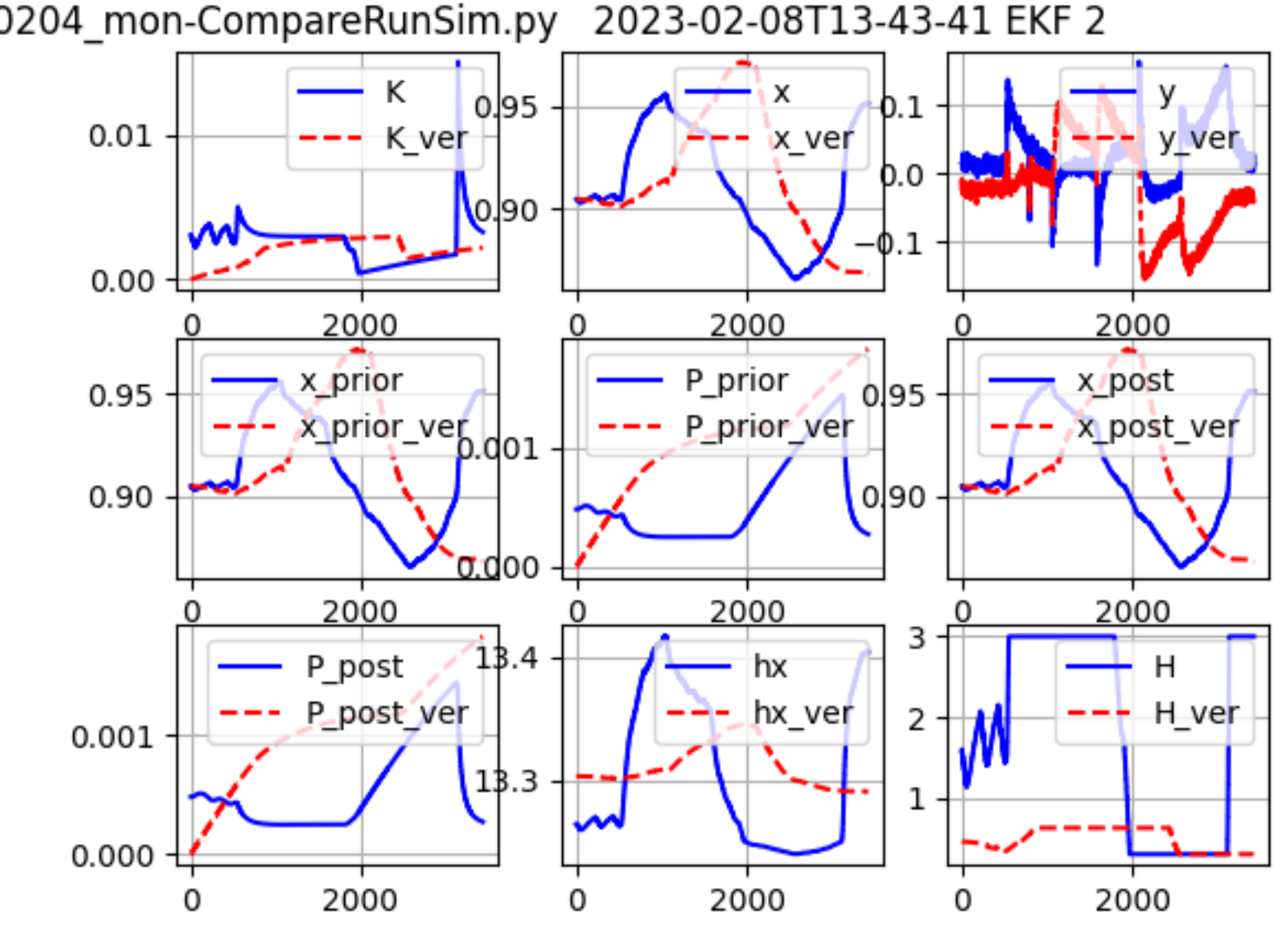

0230204_mon-CompareRunSim.py 2023-02-08T13-43-41 DOM 2
dv_dyn
dv_dyn_ver
voc_stat
voc_stat_ver
voc
voc_ver
voc_ekf
voc_ekf_ver
y_ekf
y_ekf_ver
y_filt_ver
y_filt2_ver
dv_hys
dv_hys_ver
dv_hys_s_ver+0.1
dv_hys_req_s_ver+0.1
dv_hys_s-0.1
dv_hys_req_s-0.1
temp_c
temp_c_ver
mon_mod
sim_mod


0230204_mon-CompareRunSim.py 2023-02-08T13-43-41 DOM 3
soc
soc_ver
soc_ekf
soc_ekf_ver
soc_s
soc_s_ver
0.80
0.79
0.78
0.96
0.94
0.92
0.90
0.88
0.95
0.85
0.80
0
1000
2000
3000


204_mon-CompareRunSim.py 2023-02-08T13-43-41 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
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
0.775
13.6
13.4
13.2
13.0
12.8
0
2000
0
2000
0.78
0.80


204_mon-CompareRunSim.py 2023-02-08T13-43-41 sim_s 1
ib_sel=ib_in
ib_in_ver
ib_in_s
ib_in_s_ver
ib_charge-1
ib_charge_ver-1
soc_s
soc_s_ver
voc_stat_s
voc_stat_s_ver
vsat_s
vsat_s_ver
vb_s
vb_s_ver
Tb_s
Tb_s_ver
Tbl_s
Tbl_s_ver
dv_dyn_s
dv_dyn_s_ver
dv_dyn
dv_dyn_ver
ib_sel
ib_s
ioc
ioc_ver
ioc_s
ioc_s_ver
dq_s
dq_s_ver
reset_s
reset_s_ver
sat_s
sat_s_ver
chem
chm_ver
chem_s
smv.chm_s_ver
sv.chm_ver+4
smv.chm_s_ver+4


0204_mon-CompareRunSim.py 2023-02-08T13-43-41 EKF 1
u
u_ver
z
z_ver
reset_s_ver
sat_s
sat_s_ver
Fx
Fx_ver
Bu
Bu_ver
Q
Q_ver
R
R_ver
P
P_ver
S
S_ver
1e−8+9.999999e−1
1e−6
1e−6


0204_mon-CompareRunSim.py 2023-02-08T13-43-41 EKF 2
K
K_ver
x
x_ver
y
y_ver
x_prior
x_prior_ver
P_prior
P_prior_ver
x_post
x_post_ver
P_post
P_post_ver
hx
hx_ver
H
H_ver
0
2000