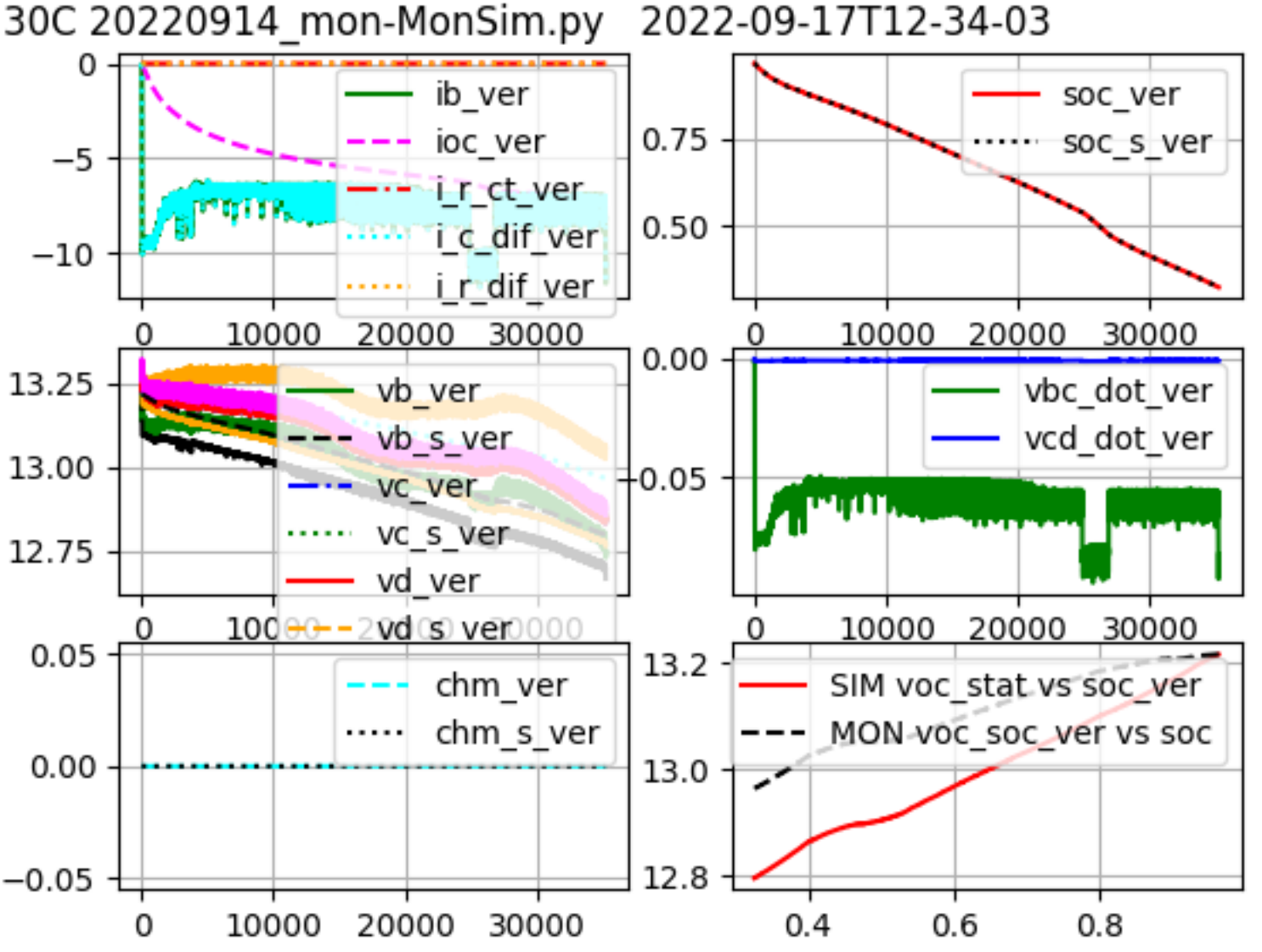
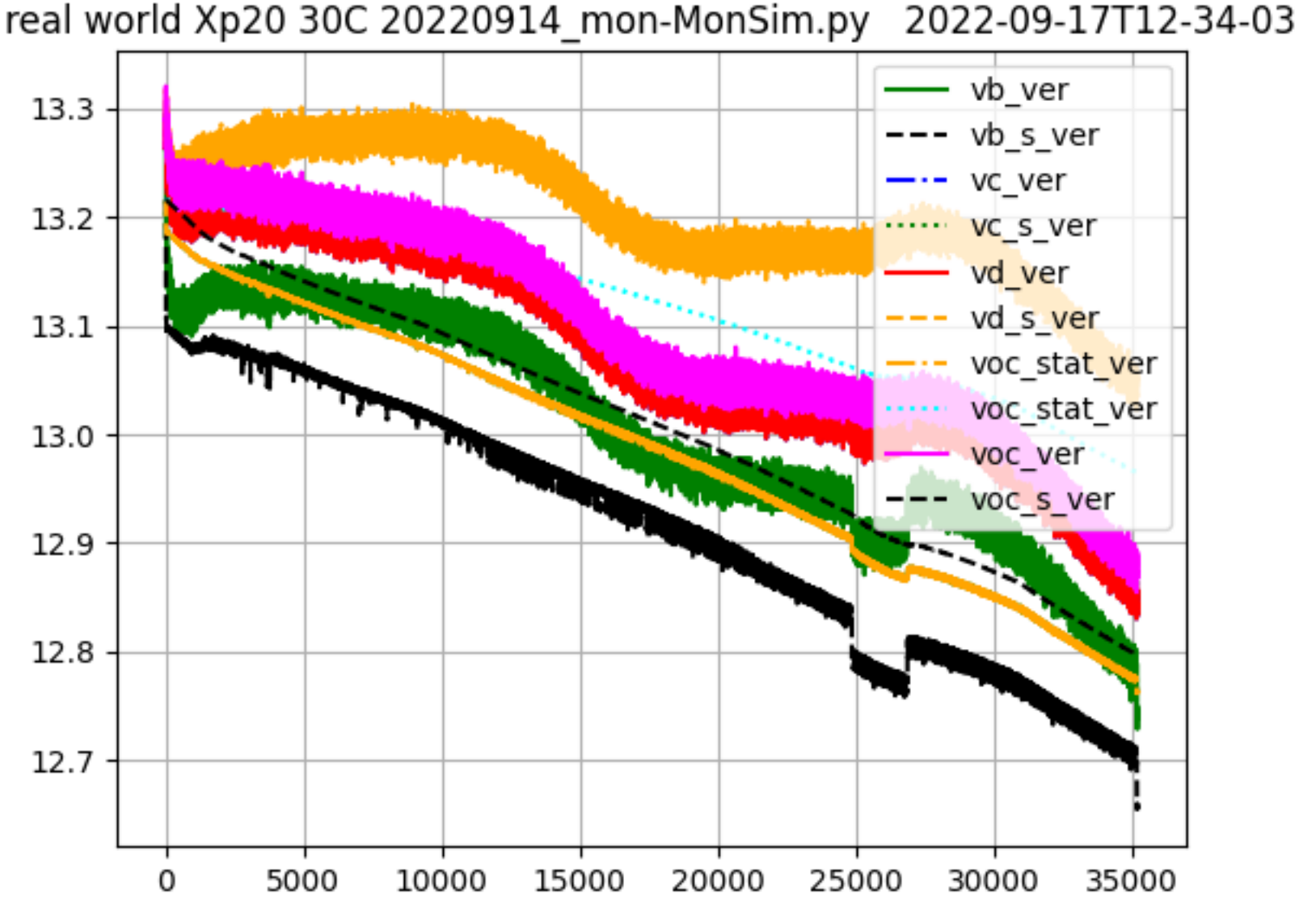
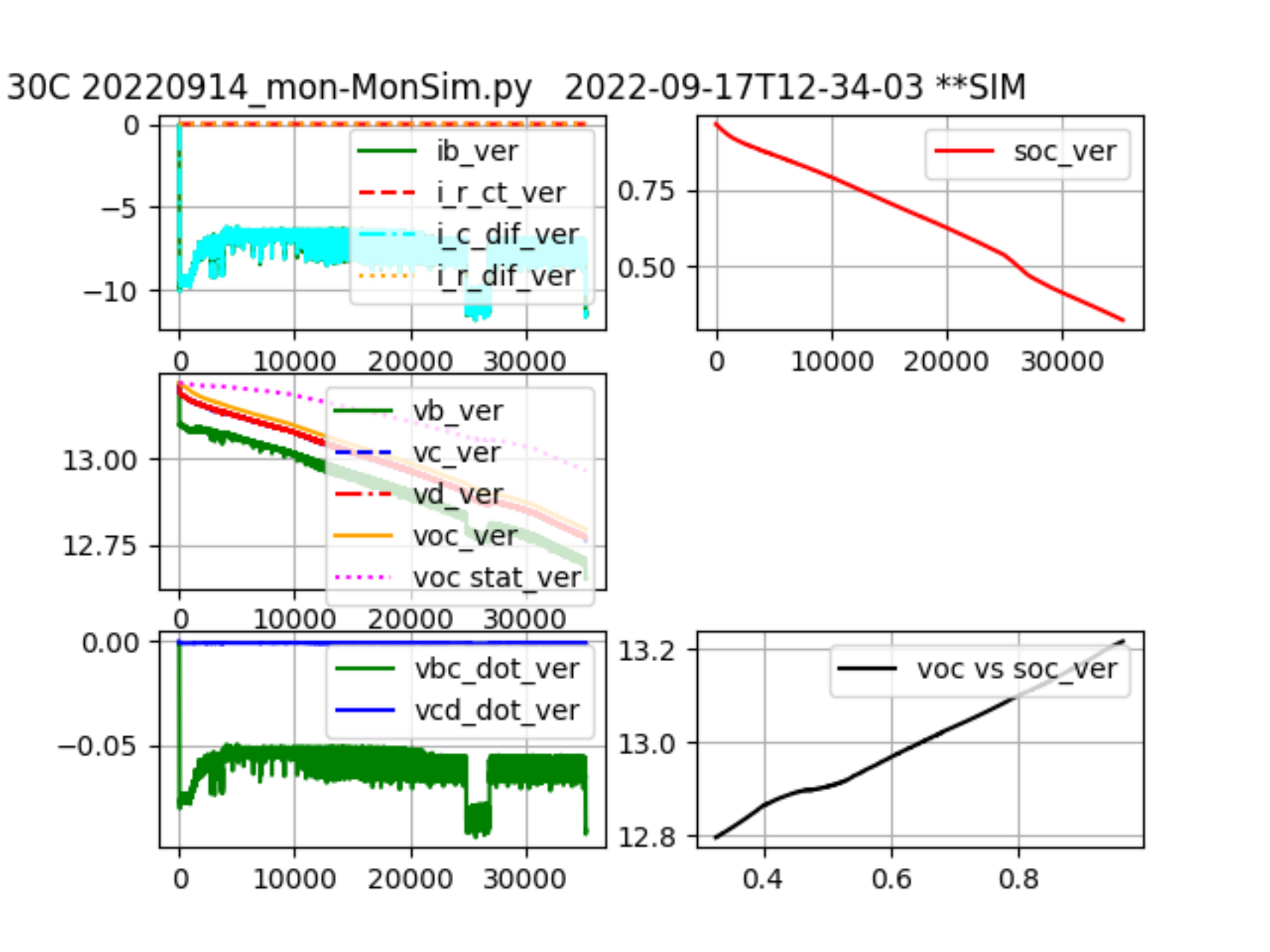
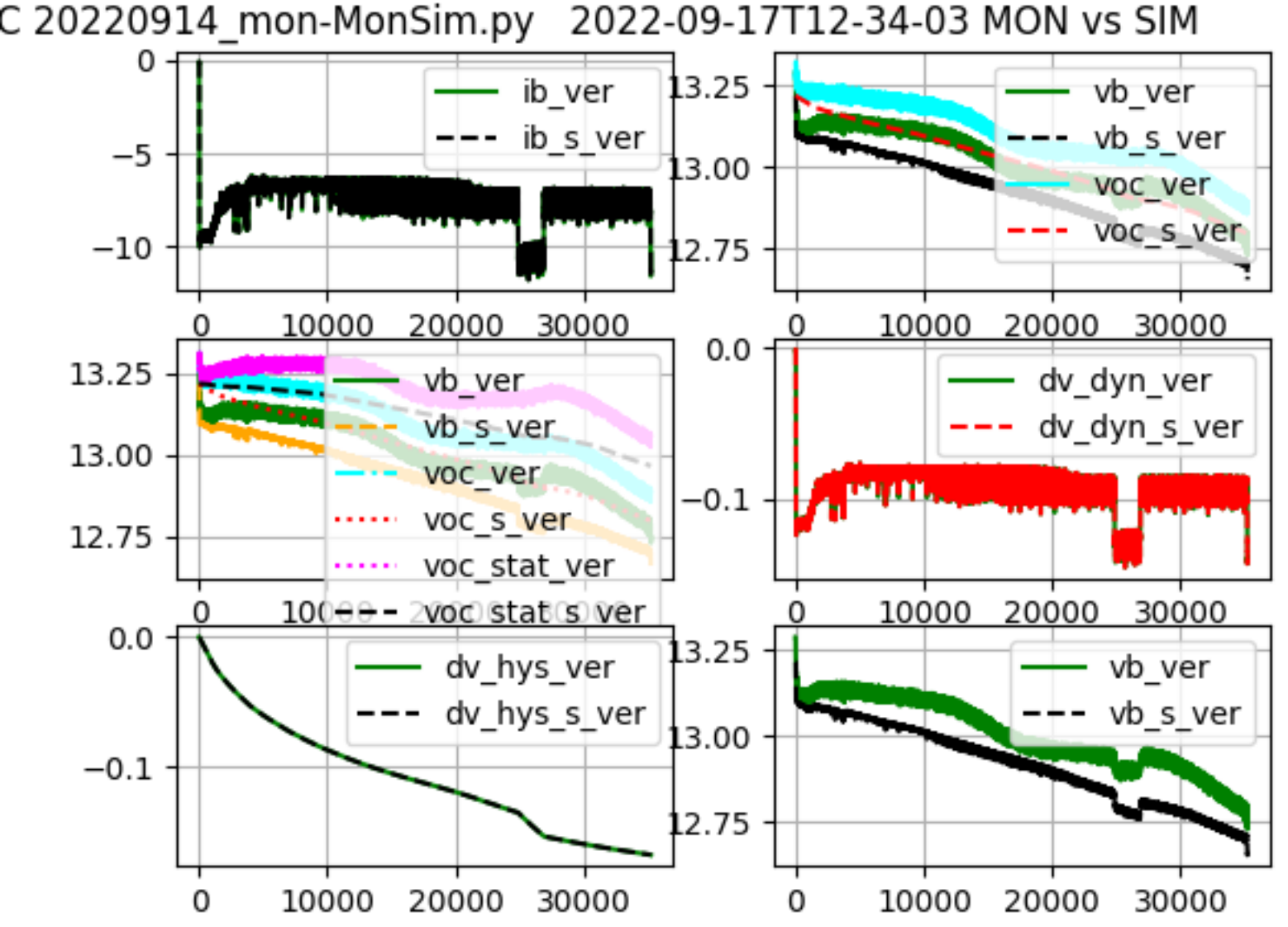
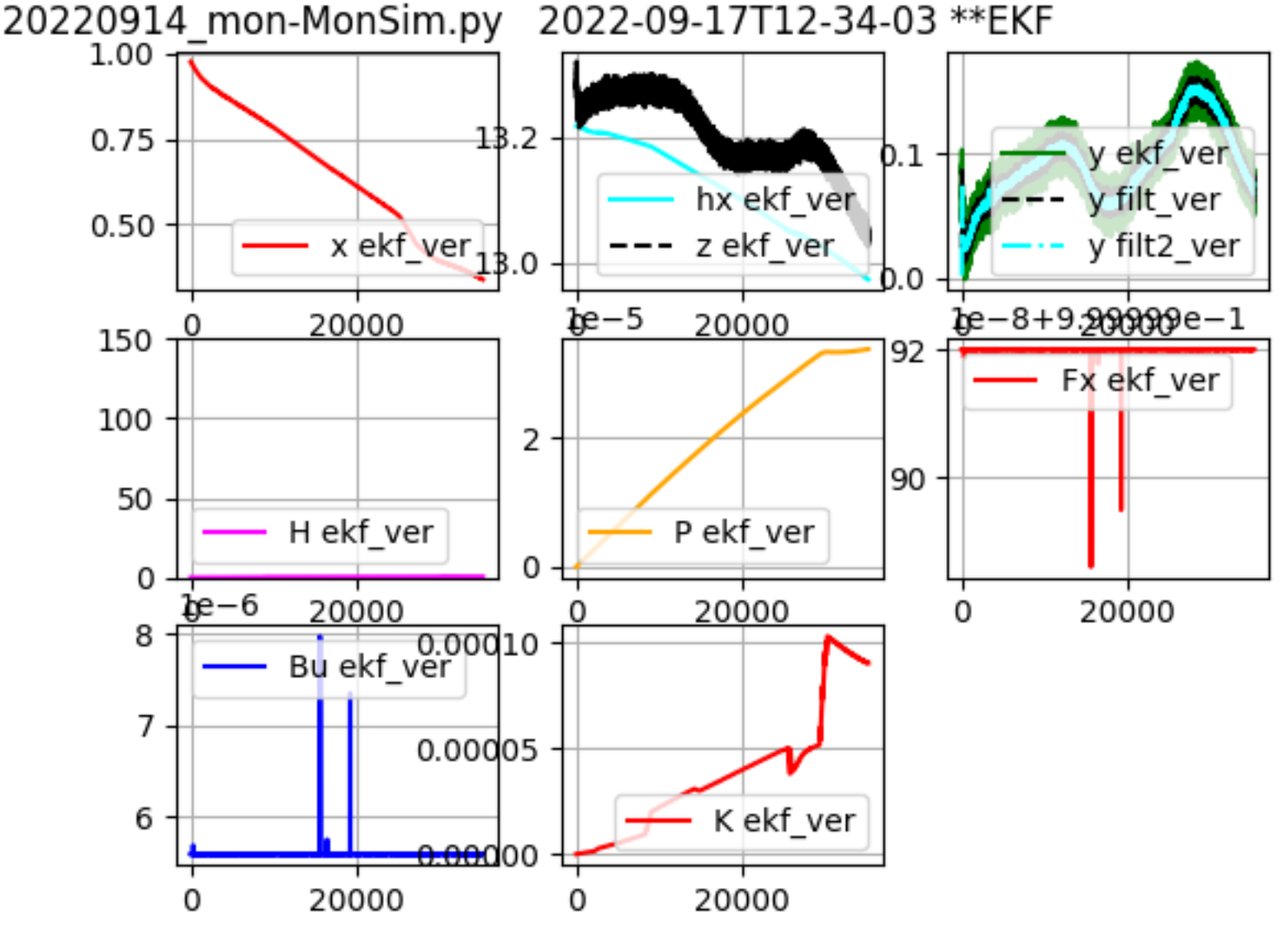
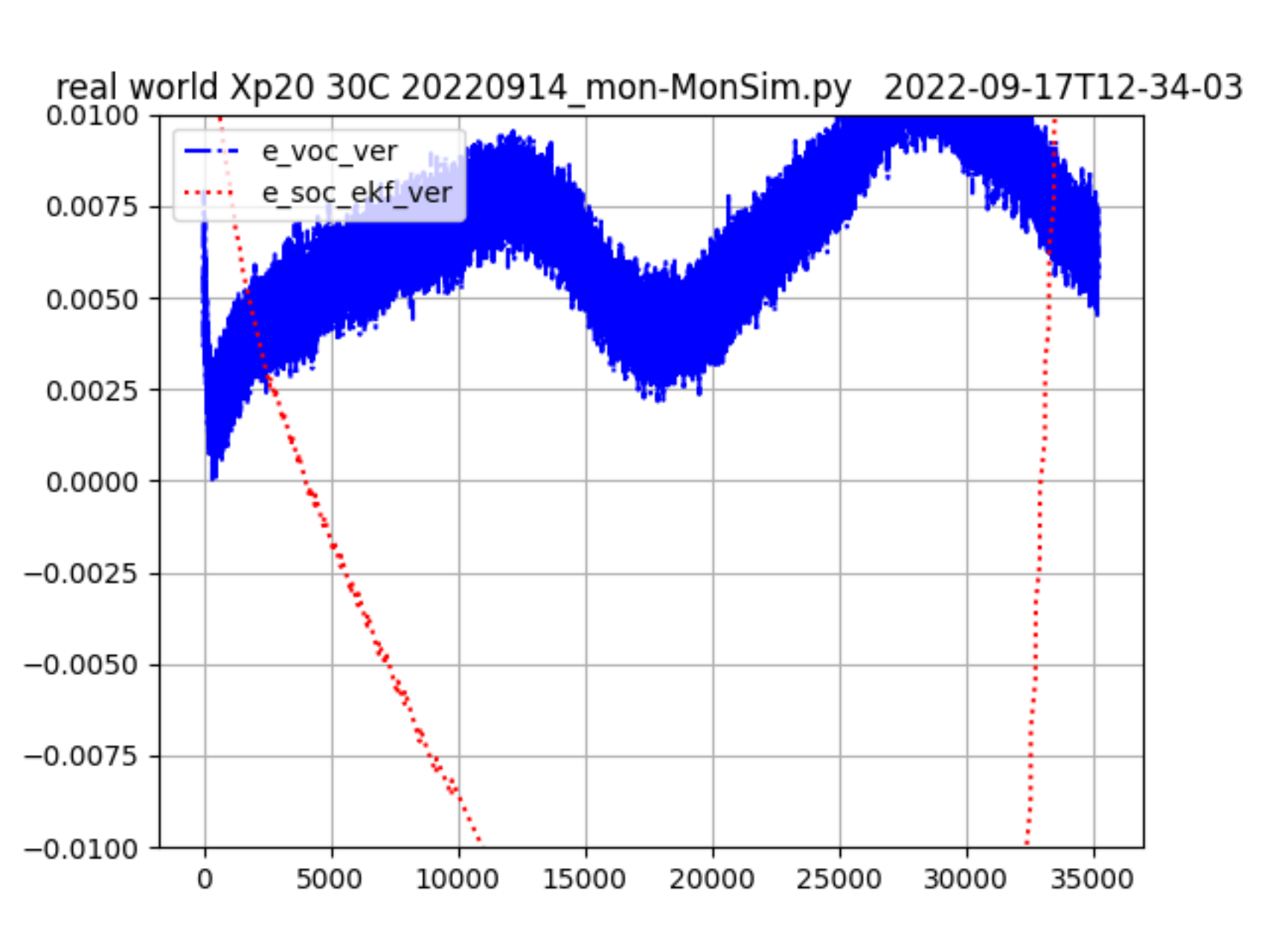

20 30C 20220914_mon-MonSim.py 2022-09-17T12-34-03
ib_ver
ioc_ver
i_r_ct_ver
i_c_dif_ver
i_r_dif_ver
soc_ver
soc_s_ver
vb_ver
vb_s_ver
vc_ver
vc_s_ver
vd_ver
vd_s_ver
vbc_dot_ver
vcd_dot_ver
chm_ver
chm_s_ver
SIM voc_stat vs soc_ver
MON voc_soc_ver vs soc

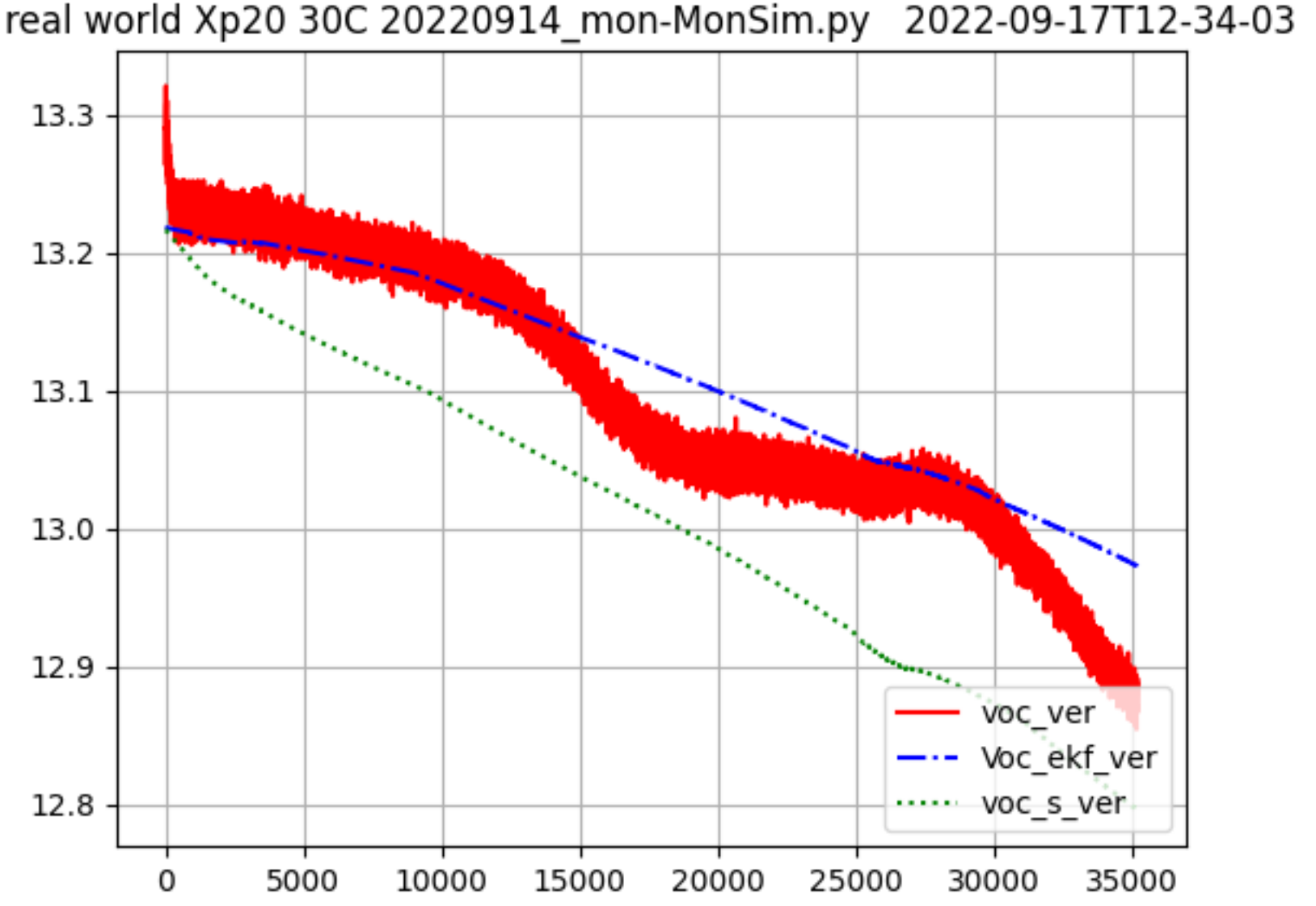

real world Xp20 30C 20220914_mon-MonSim.py 2022-09-17T12-34-03
13.3
13.2
13.1
13.0
12.9
12.8
12.7
0
5000
10000
15000
20000
25000
30000
35000
vb_ver
vb_s_ver
vc_ver
vc_s_ver
vd_ver
vd_s_ver
voc_stat_ver
voc_stat_ver
voc_ver
voc_s_ver

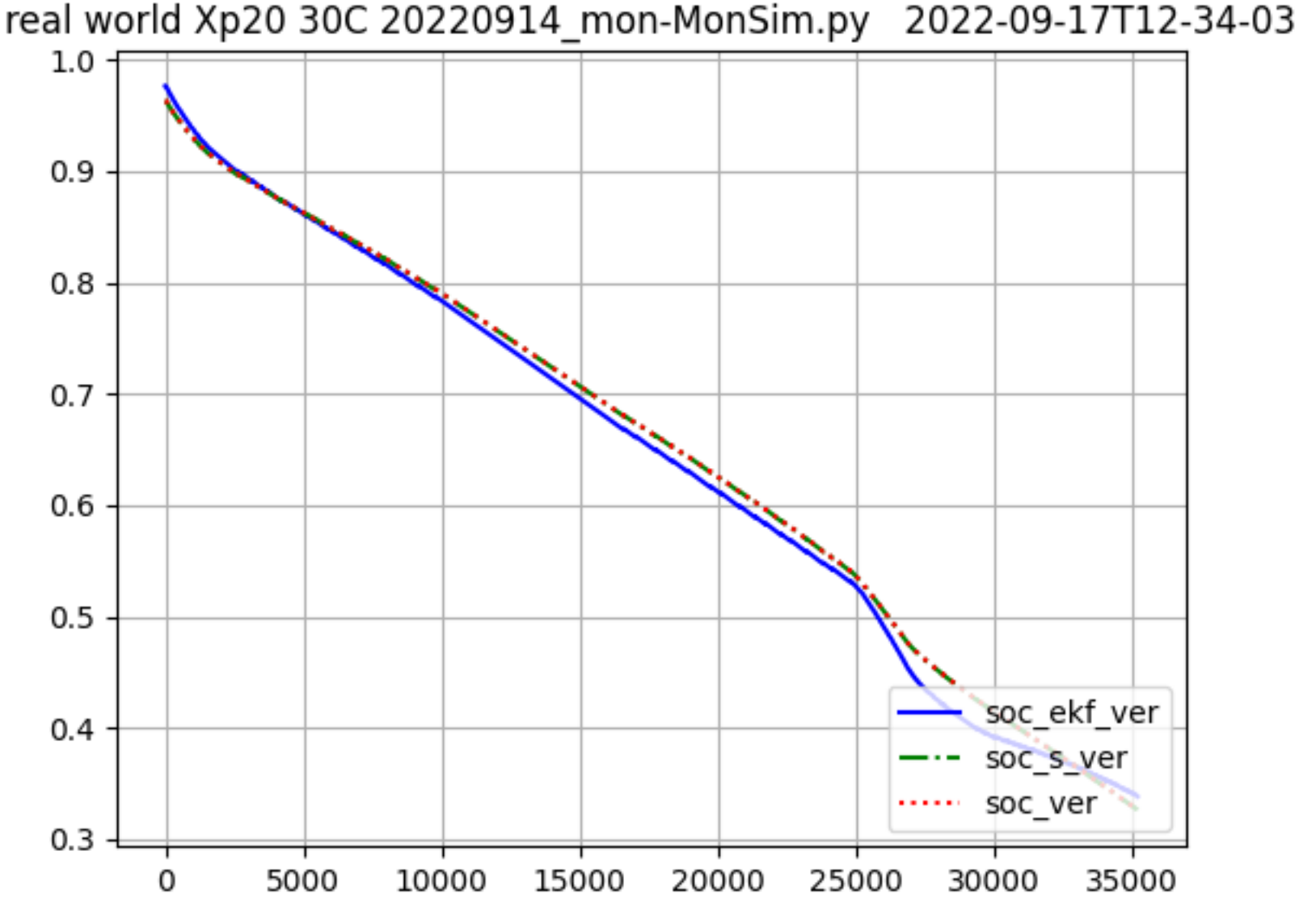

30C 20220914_mon-MonSim.py 2022-09-17T12-34-03 **SIM
ib_ver
i_r_ct_ver
i_c_dif_ver
i_r_dif_ver
soc_ver
vb_ver
vc_ver
vd_ver
voc_ver
voc stat_ver
vbc_dot_ver
vcd_dot_ver
voc vs soc_ver

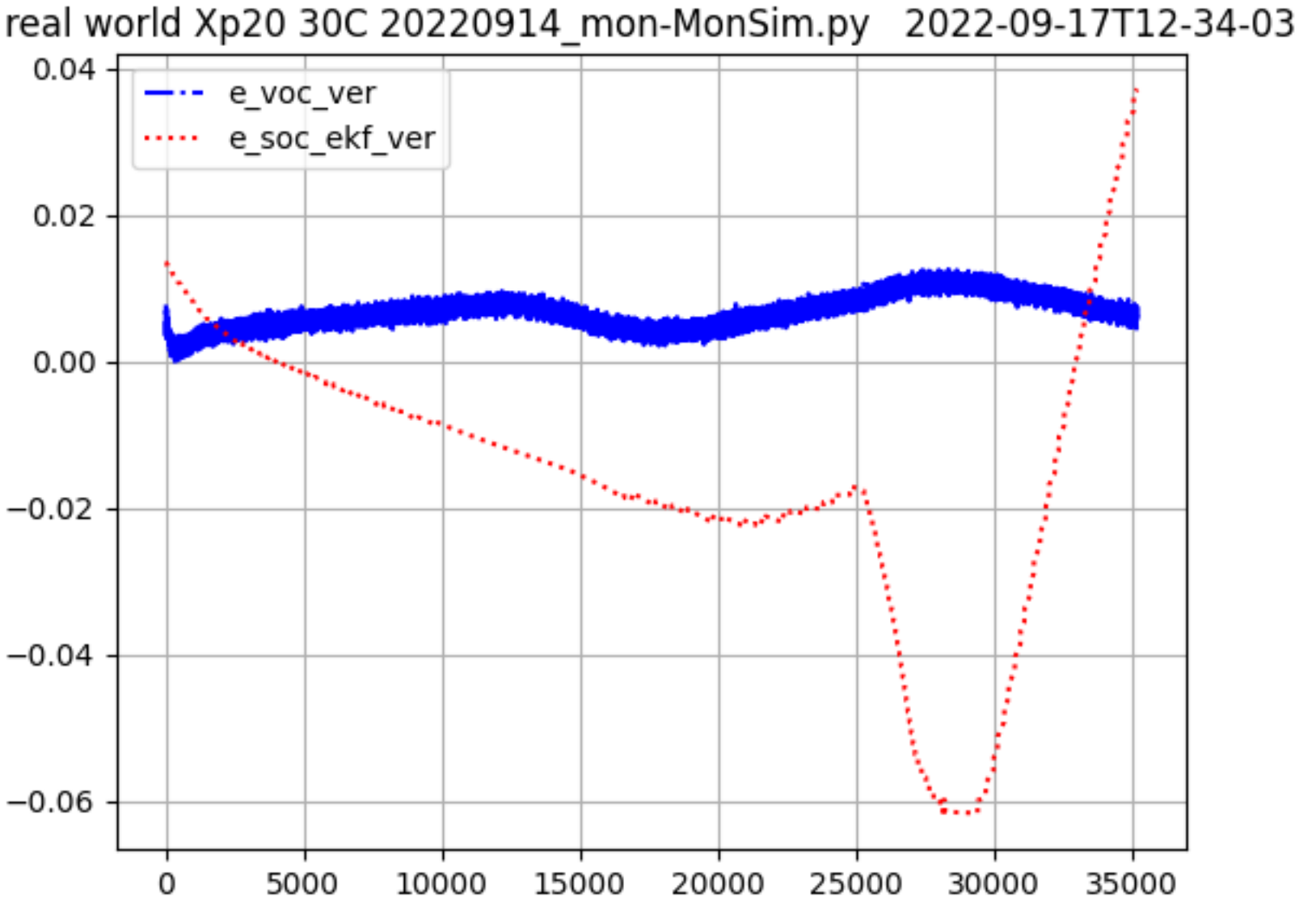

C 20220914_mon-MonSim.py 2022-09-17T12-34-03 MON vs SIM
ib_ver
ib_s_ver
vb_ver
vb_s_ver
voc_ver
voc_s_ver
vb_ver
vb_s_ver
voc_ver
voc_s_ver
voc_stat_ver
voc_stat_s_ver
dv_dyn_ver
dv_dyn_s_ver
dv_hys_ver
dv_hys_s_ver
vb_ver
vb_s_ver
0
10000
20000
30000


20220914_mon-MonSim.py 2022-09-17T12-34-03 **EKF
x ekf_ver
hx ekf_ver
z ekf_ver
y ekf_ver
y filt_ver
y filt2_ver
H ekf_ver
P ekf_ver
Fx ekf_ver
Bu ekf_ver
K ekf_ver
1e−5
1e−8+9.99999e−1
1e−6


real world Xp20 30C 20220914_mon-MonSim.py 2022-09-17T12-34-03
e_voc_ver
e_soc_ekf_ver
0.0100
0.0075
0.0050
0.0025
0.0000
−0.0025
−0.0050
−0.0075
−0.0100
0
5000
10000
15000
20000
25000
30000
35000


real world Xp20 30C 20220914_mon-MonSim.py 2022-09-17T12-34-03
13.3
13.2
13.1
13.0
12.9
12.8
0
5000
10000
15000
20000
25000
30000
35000
voc_ver
Voc_ekf_ver
voc_s_ver


real world Xp20 30C 20220914_mon-MonSim.py 2022-09-17T12-34-03
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0
5000
10000
15000
20000
25000
30000
35000
soc_ekf_ver
soc_s_ver
soc_ver


real world Xp20 30C 20220914_mon-MonSim.py 2022-09-17T12-34-03
e_voc_ver
e_soc_ekf_ver
0.04
0.02
0.00
−0.02
−0.04
−0.06
0
5000
10000
15000
20000
25000
30000
35000