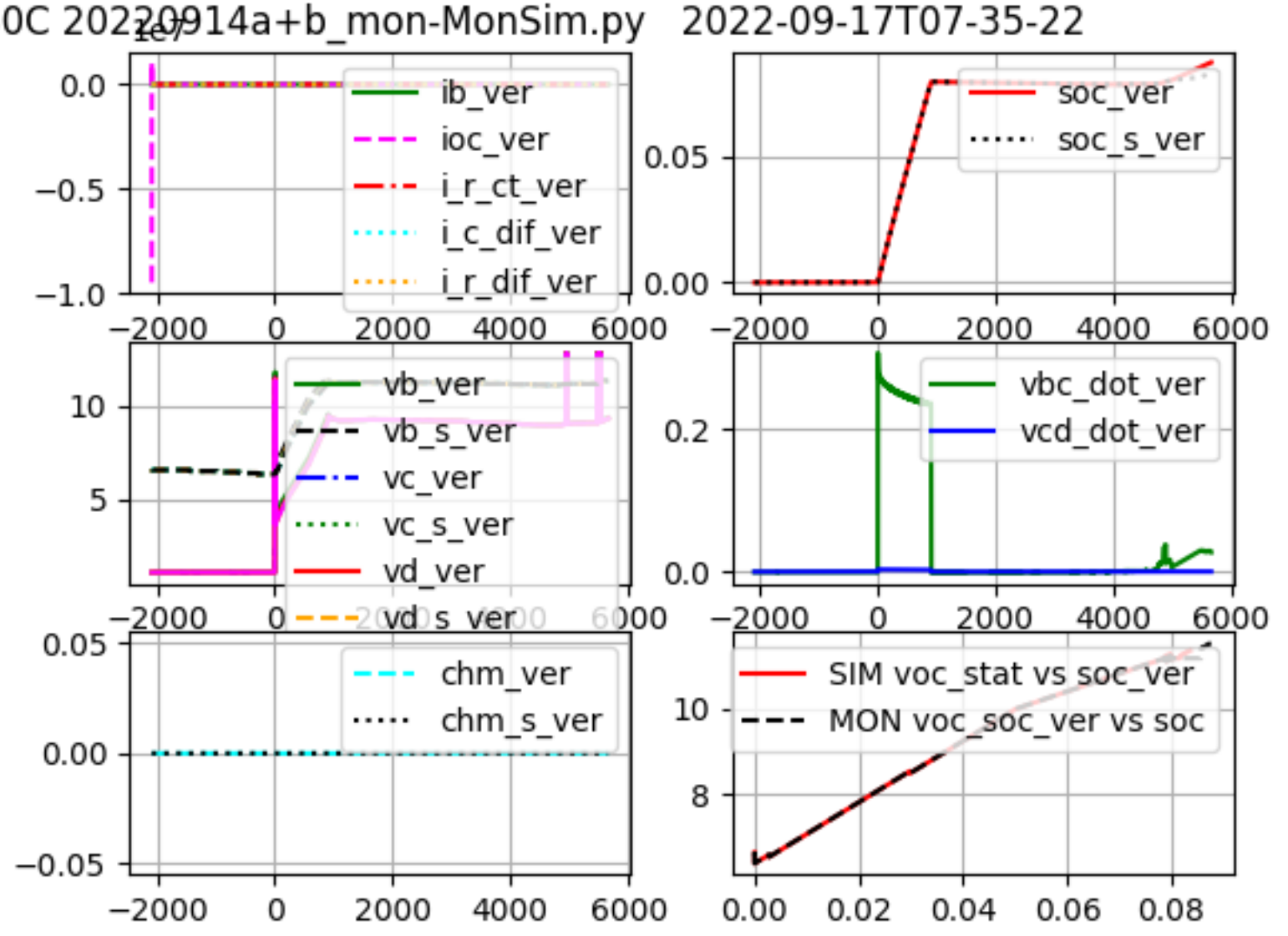
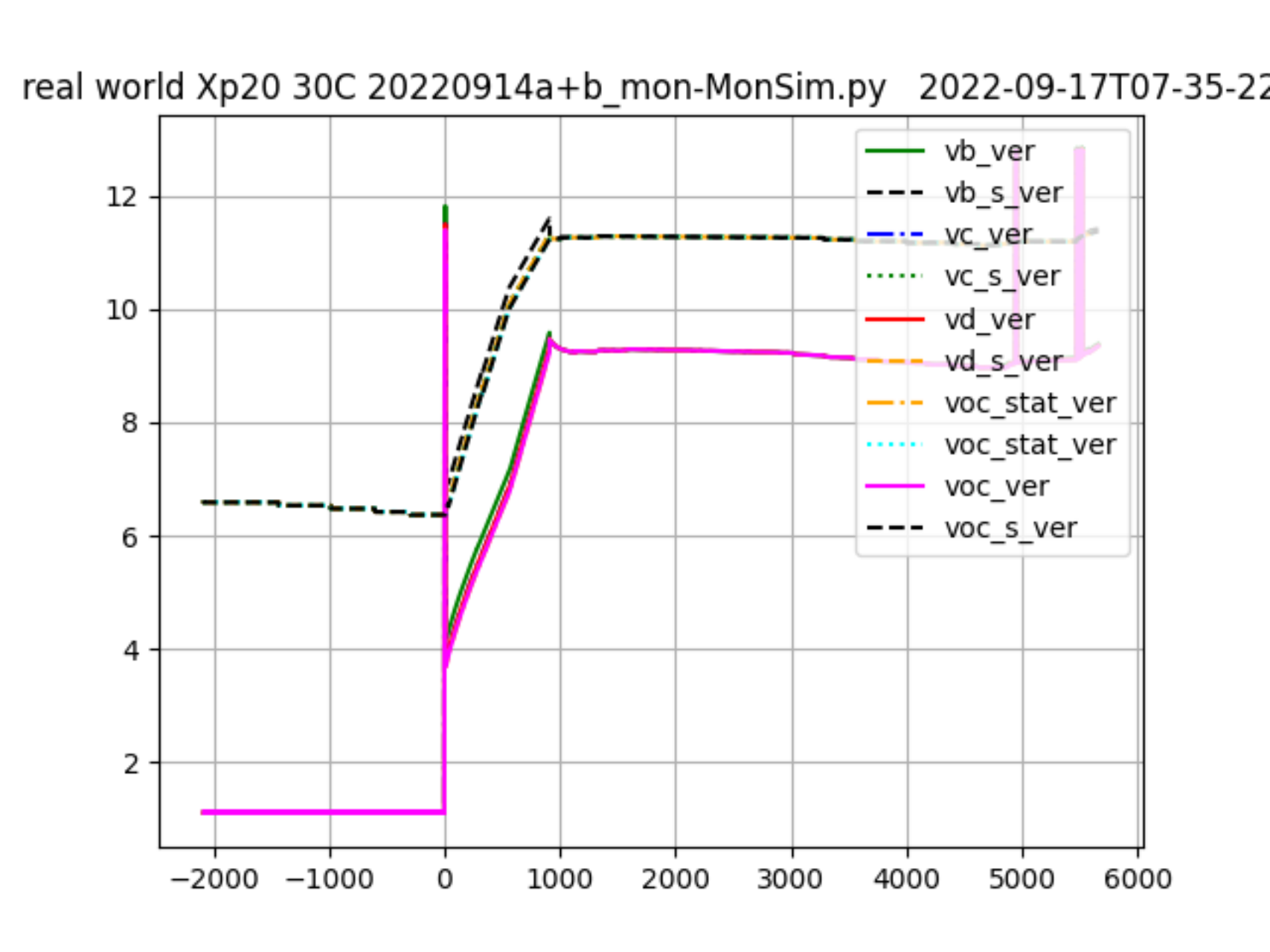
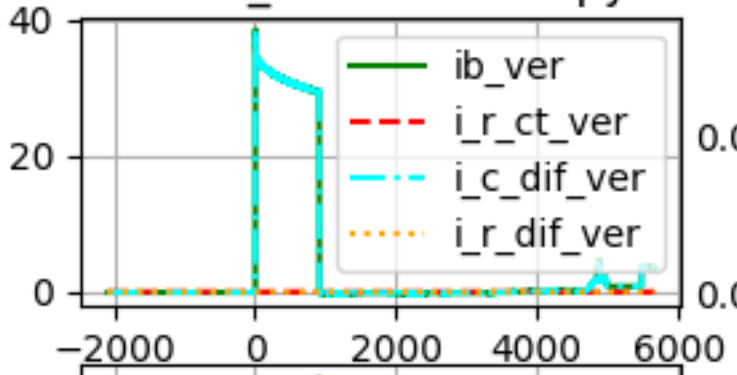
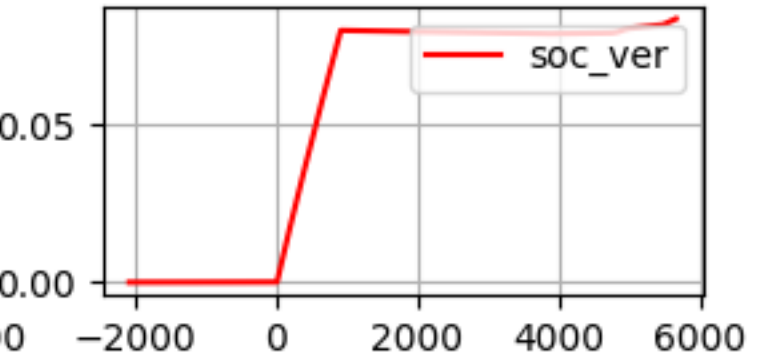
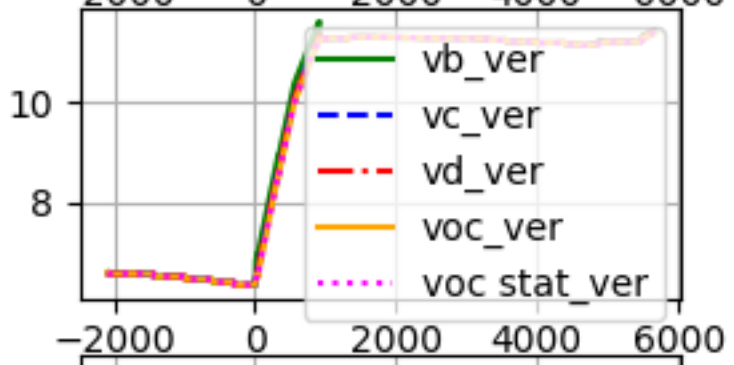

0 30C 20220914a+b_mon-MonSim.py 2022-09-17T07-35-22
1e7
ib_ver
ioc_ver
i_r_ct_ver
i_c_dif_ver
i_r_dif_ver
soc_ver
soc_s_ver
vb_ver
vb_s_ver
vc_ver
vc_s_ver
vd_ver
vd_s_ver
vbc_dot_ver
vcd_dot_ver
chm_ver
chm_s_ver
SIM voc_stat vs soc_ver
MON voc_soc_ver vs soc

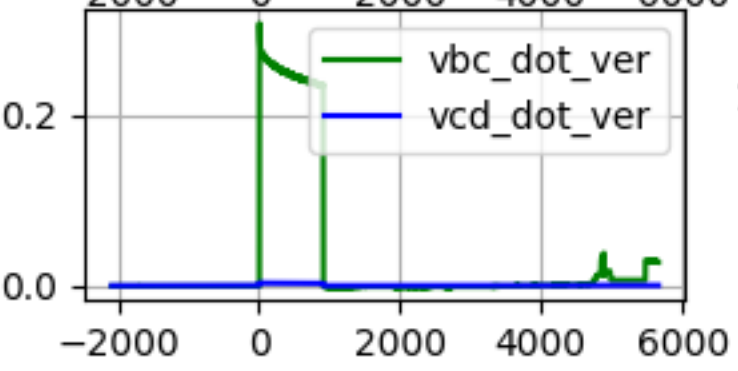

real world Xp20 30C 20220914a+b_mon-MonSim.py 2022-09-17T07-35-22
vb_ver
vb_s_ver
vc_ver
vc_s_ver
vd_ver
vd_s_ver
voc_stat_ver
voc_stat_ver
voc_ver
voc_s_ver
12
10
8
6
4
2
−2000
−1000
0
1000
2000
3000
4000
5000
6000

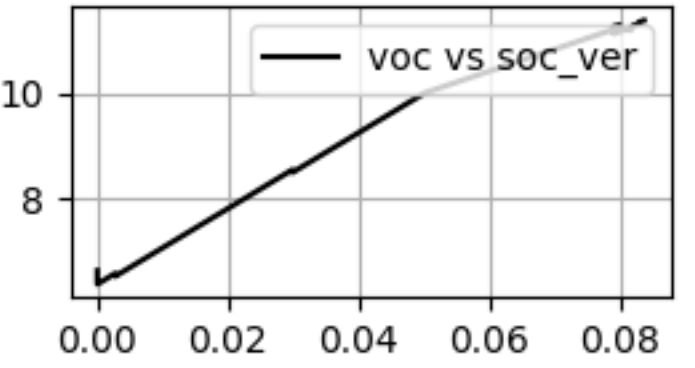
0C 20220914a+b_mon-MonSim.py 2022-09-17T07-35-22 **SIM

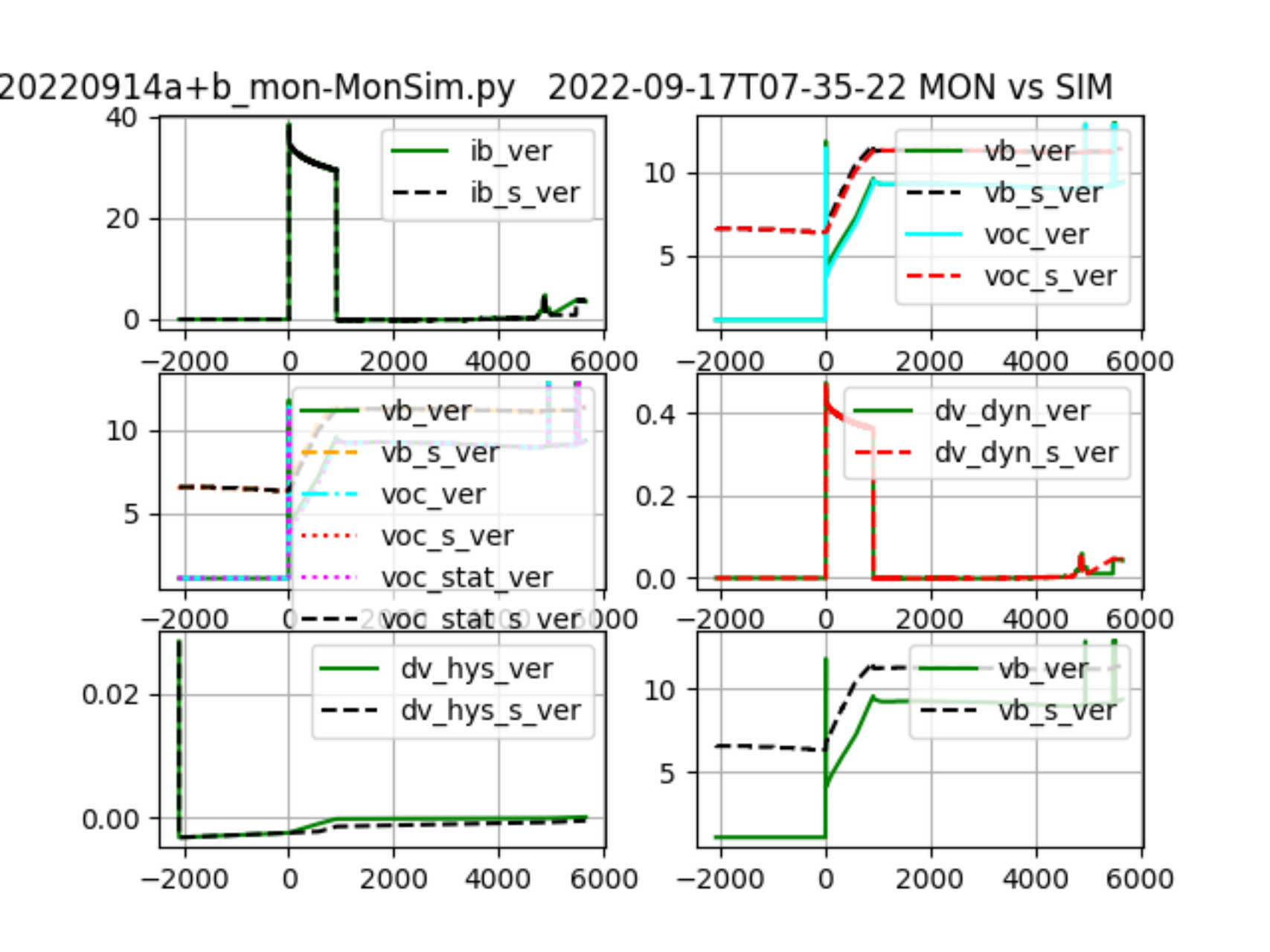


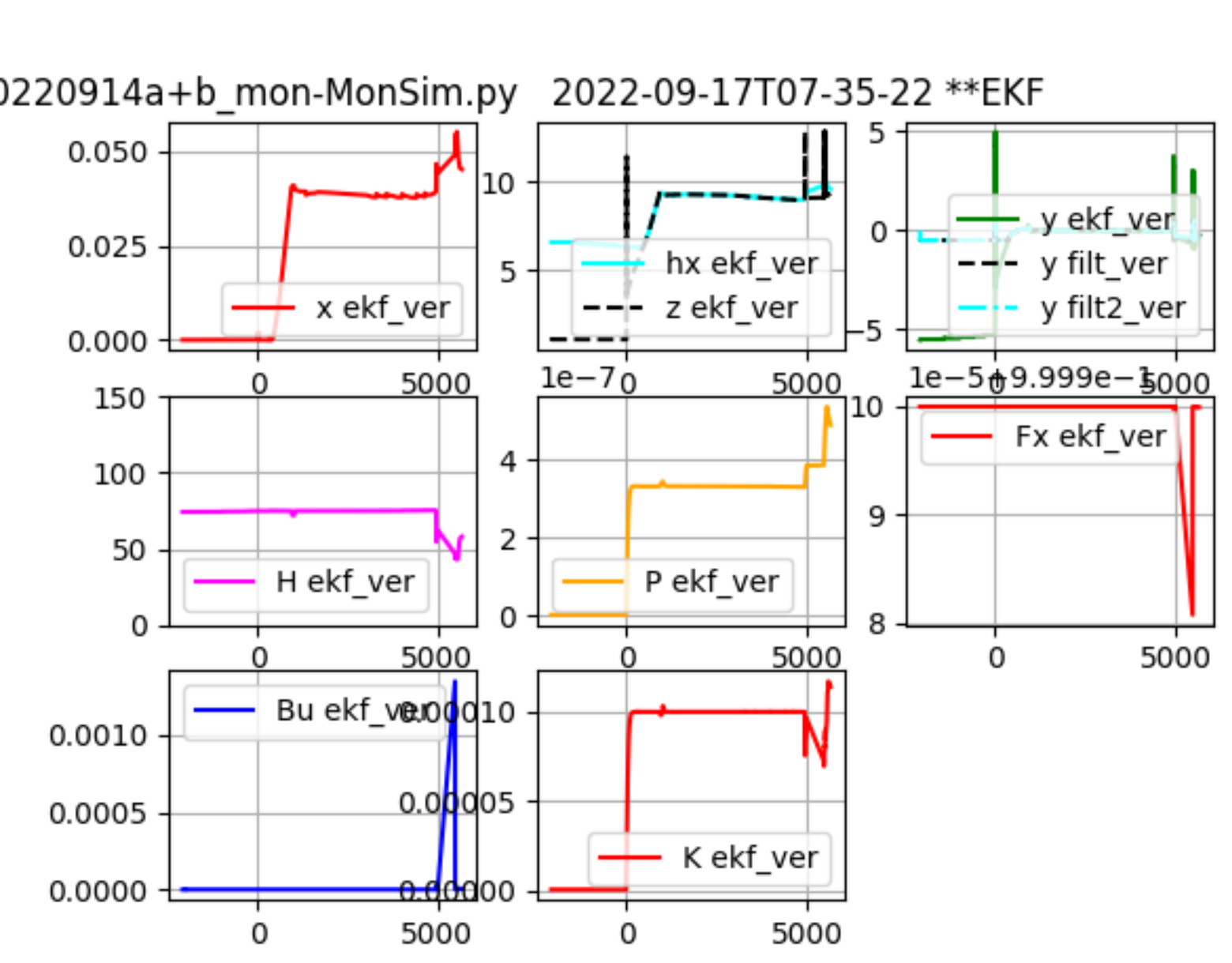


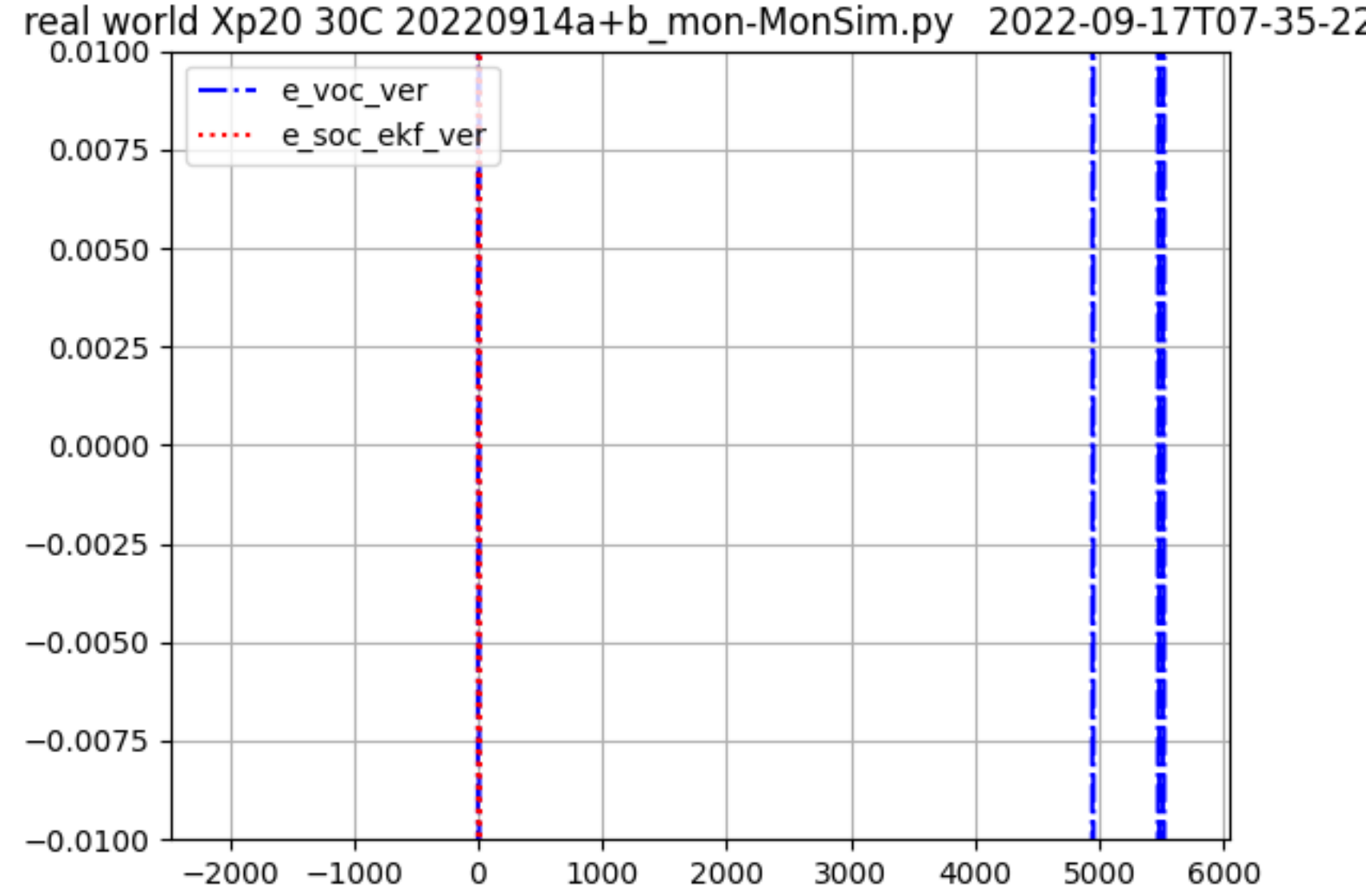


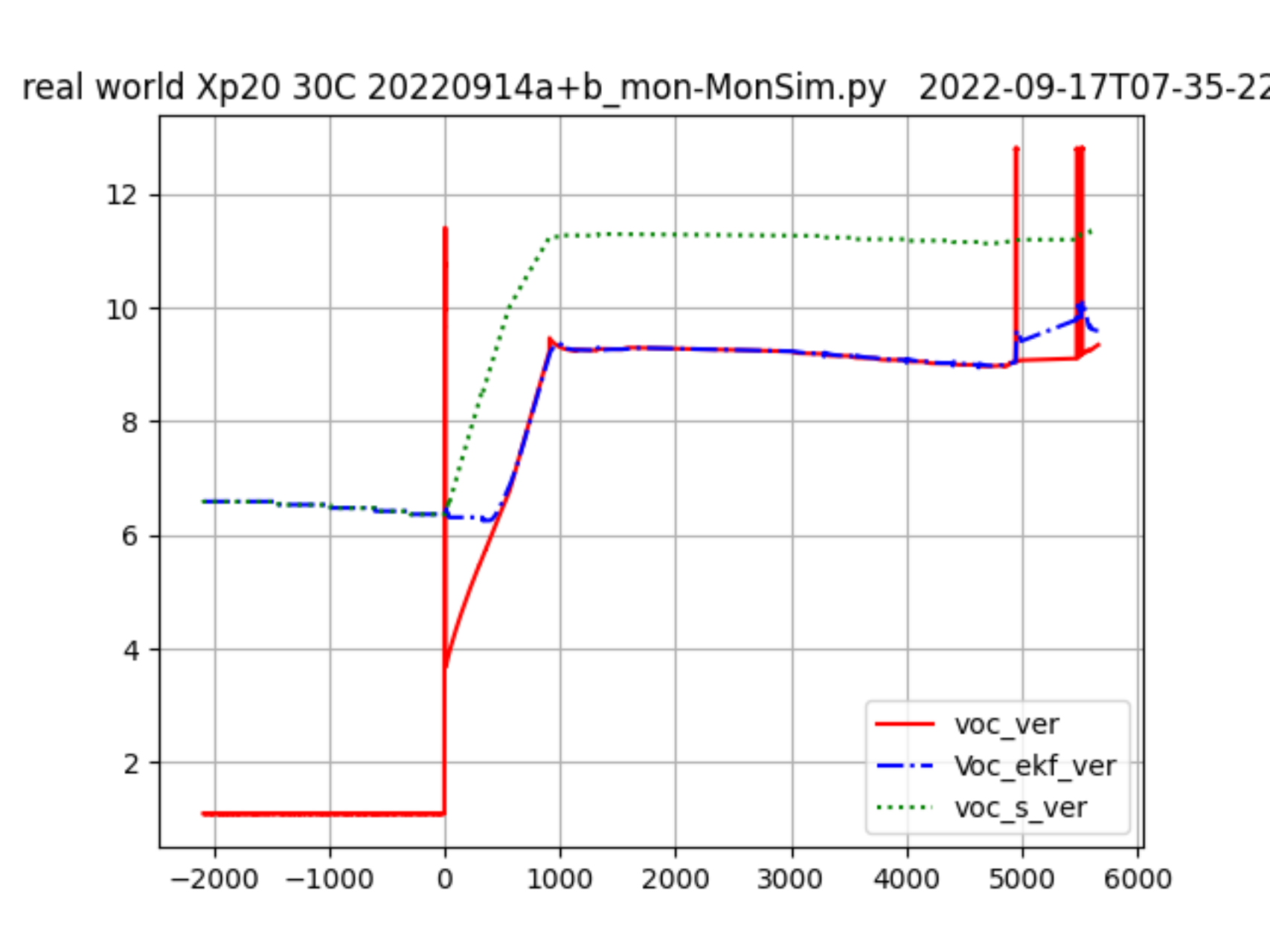


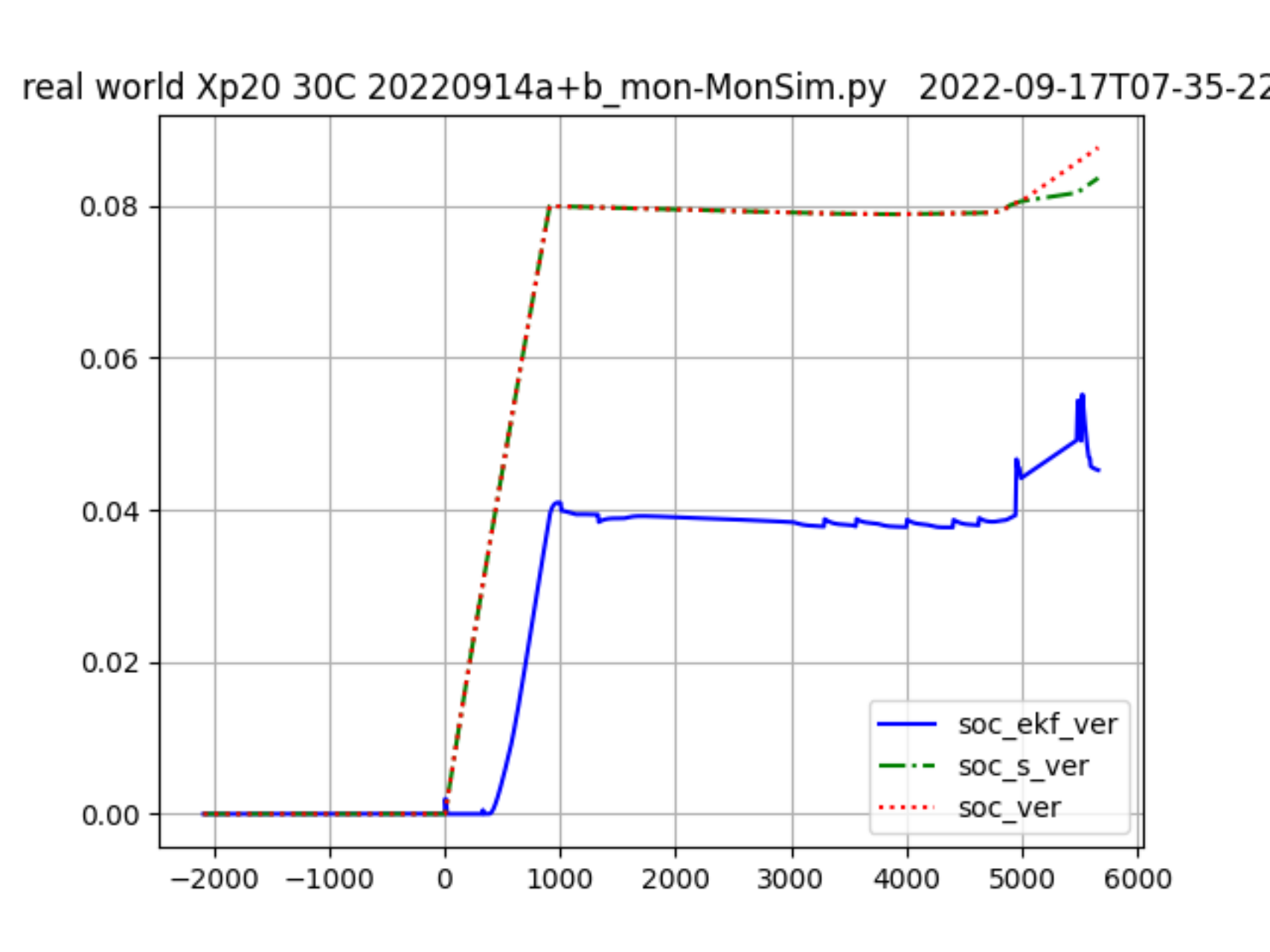


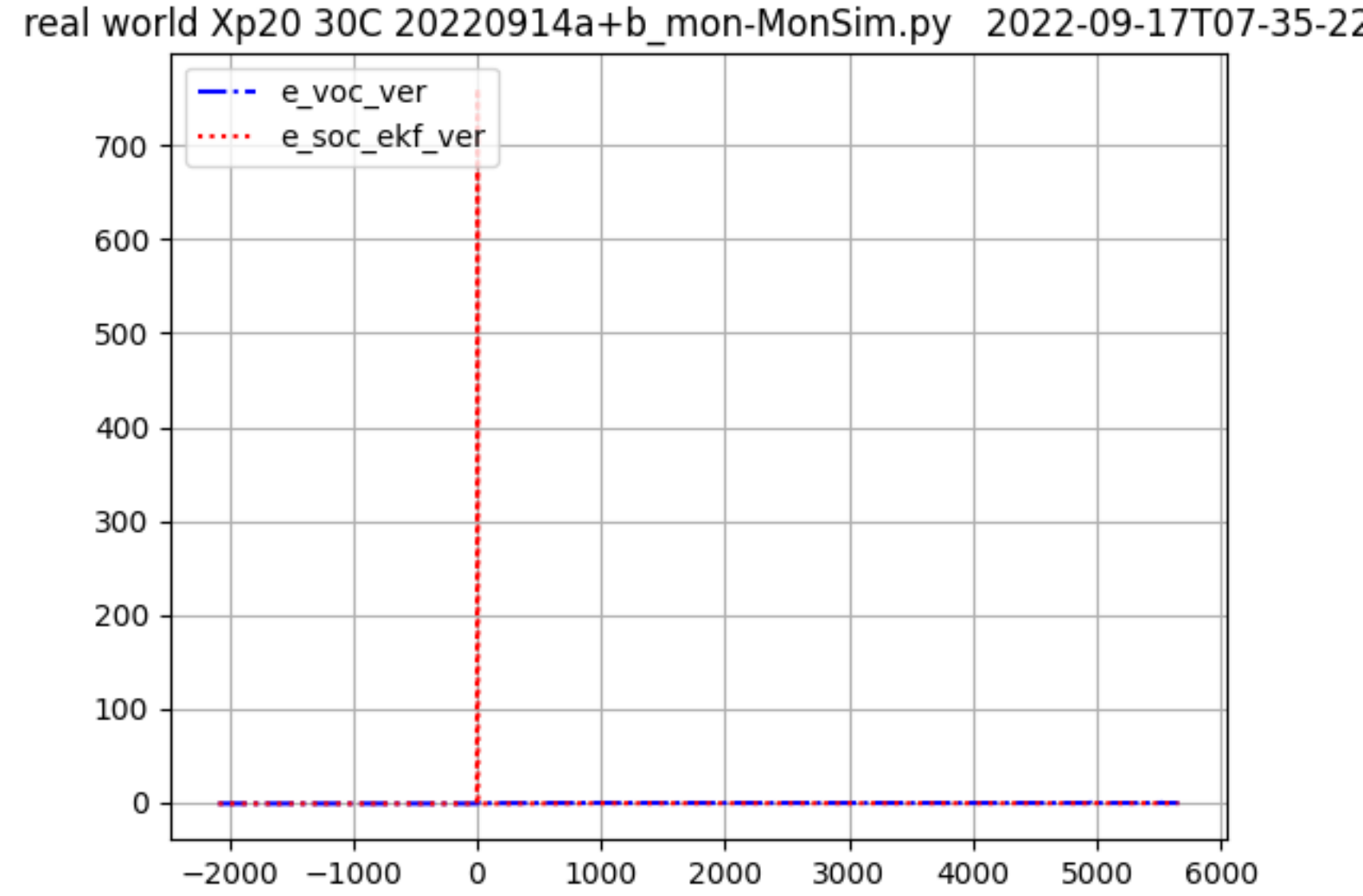

20220914a+b_mon-MonSim.py 2022-09-17T07-35-22 MON vs SIM
ib_ver
ib_s_ver
vb_ver
vb_s_ver
voc_ver
voc_s_ver
vb_ver
vb_s_ver
voc_ver
voc_s_ver
voc_stat_ver
voc_stat_s_ver
dv_dyn_ver
dv_dyn_s_ver
dv_hys_ver
dv_hys_s_ver
vb_ver
vb_s_ver


0220914a+b_mon-MonSim.py 2022-09-17T07-35-22 **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−7
1e−5
+9.999e−1


real world Xp20 30C 20220914a+b_mon-MonSim.py 2022-09-17T07-35-22
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
−2000
−1000
0
1000
2000
3000
4000
5000
6000


real world Xp20 30C 20220914a+b_mon-MonSim.py 2022-09-17T07-35-22
12
10
8
6
4
2
−2000
−1000
0
1000
2000
3000
4000
5000
6000
voc_ver
Voc_ekf_ver
voc_s_ver


real world Xp20 30C 20220914a+b_mon-MonSim.py 2022-09-17T07-35-22
0.08
0.06
0.04
0.02
0.00
−2000
−1000
0
1000
2000
3000
4000
5000
6000
soc_ekf_ver
soc_s_ver
soc_ver


real world Xp20 30C 20220914a+b_mon-MonSim.py 2022-09-17T07-35-22
e_voc_ver
e_soc_ekf_ver
700
600
500
400
300
200
100
0
−2000
−1000
0
1000
2000
3000
4000
5000
6000