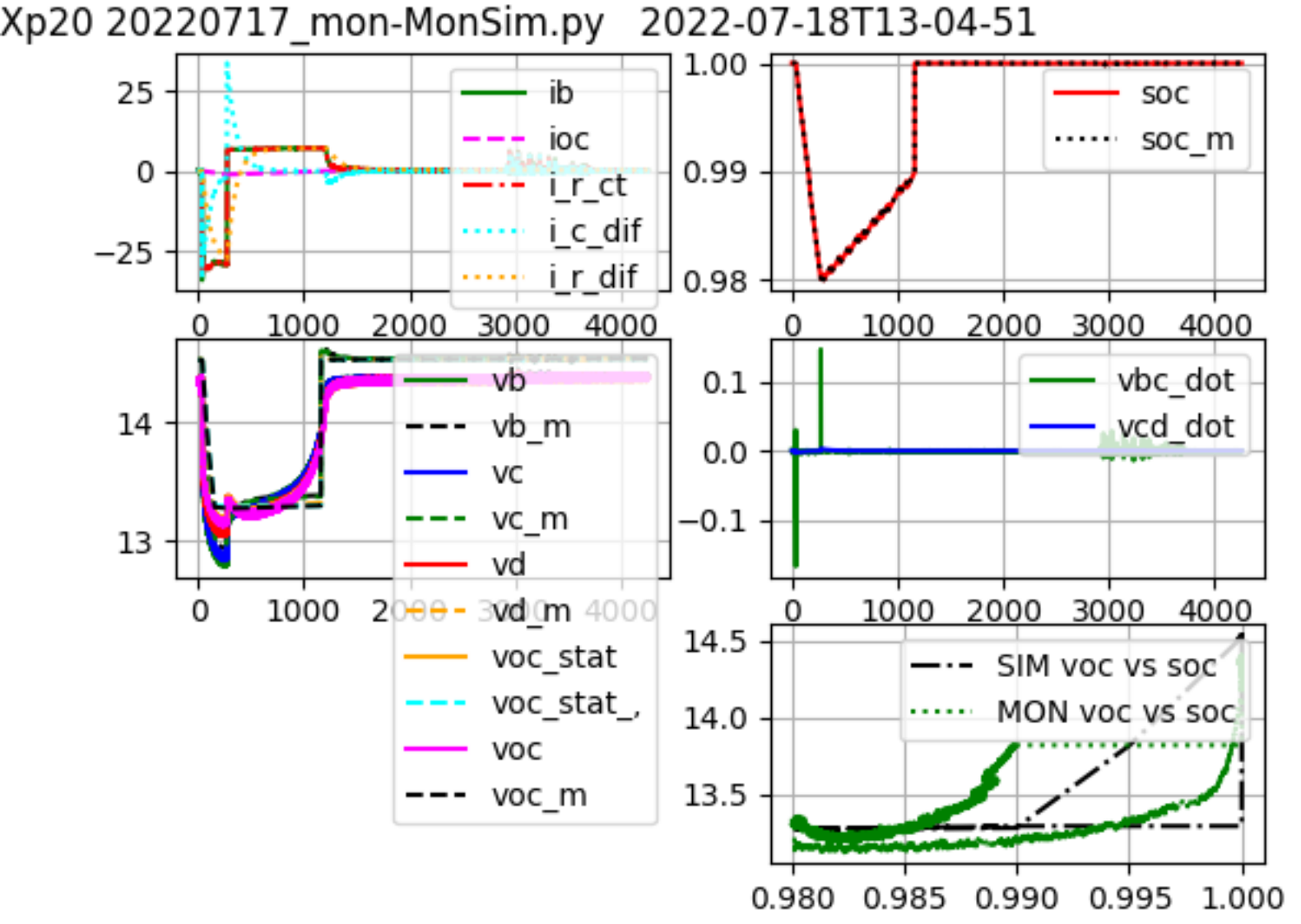
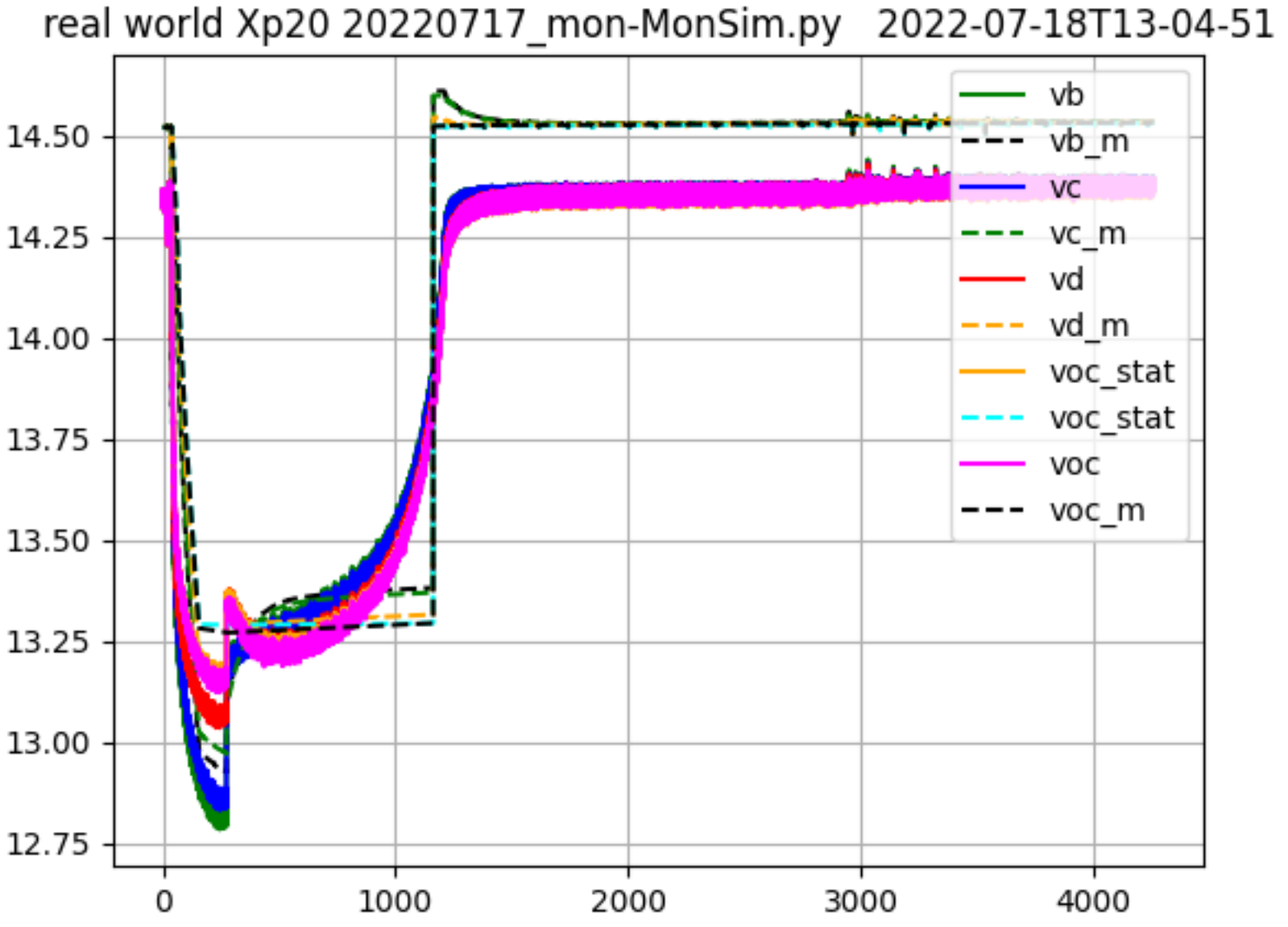
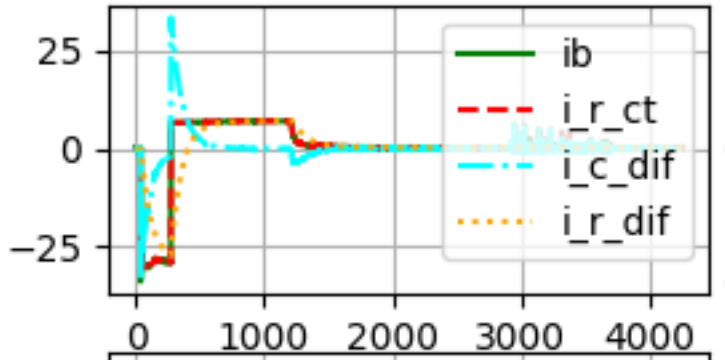
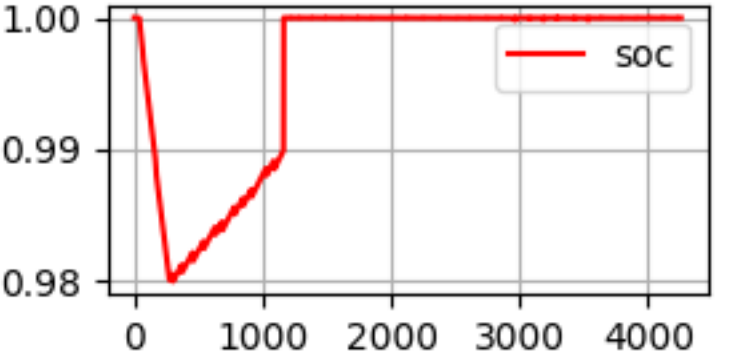
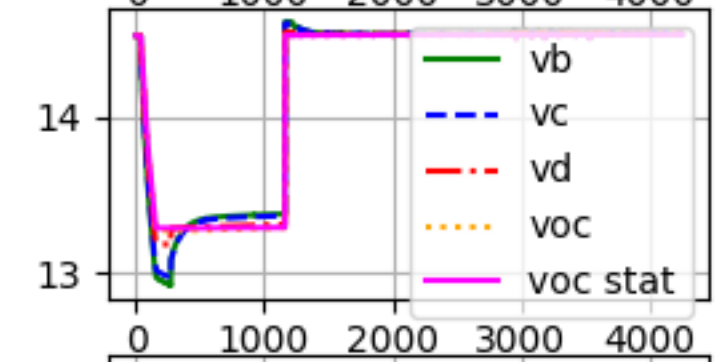

Xp20 20220717_mon-MonSim.py 2022-07-18T13-04-51
ib
ioc
i_r_ct
i_c_dif
i_r_dif
soc
soc_m
vb
vb_m
vc
vc_m
vd
vd_m
voc_stat
voc_stat_,
voc
voc_m
vbc_dot
vcd_dot
SIM voc vs soc
MON voc vs soc

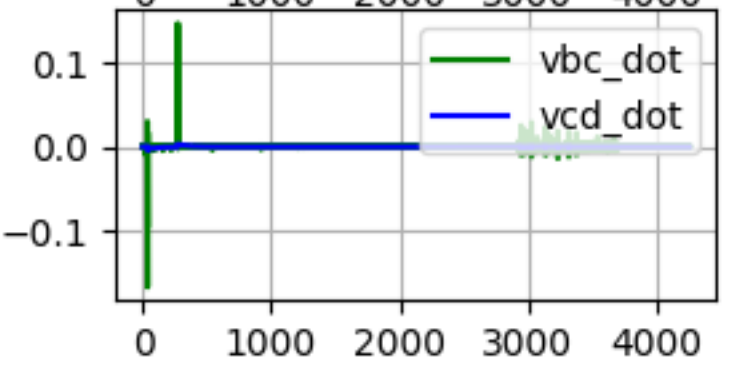

real world Xp20 20220717_mon-MonSim.py 2022-07-18T13-04-51
14.50
14.25
14.00
13.75
13.50
13.25
13.00
12.75
0
1000
2000
3000
4000
vb
vb_m
vc
vc_m
vd
vd_m
voc_stat
voc_stat
voc
voc_m

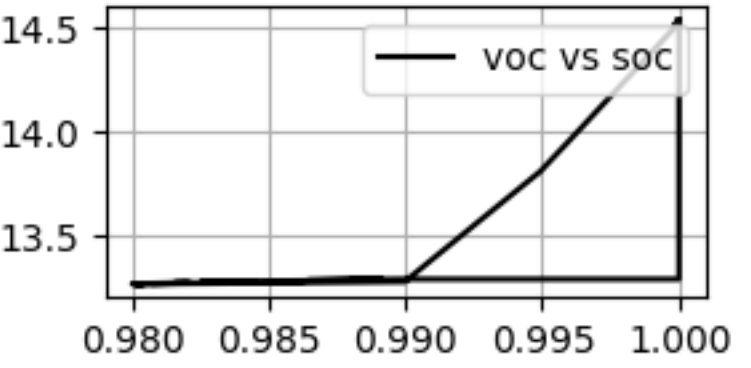
20 20220717_mon-MonSim.py 2022-07-18T13-04-51 **SIM

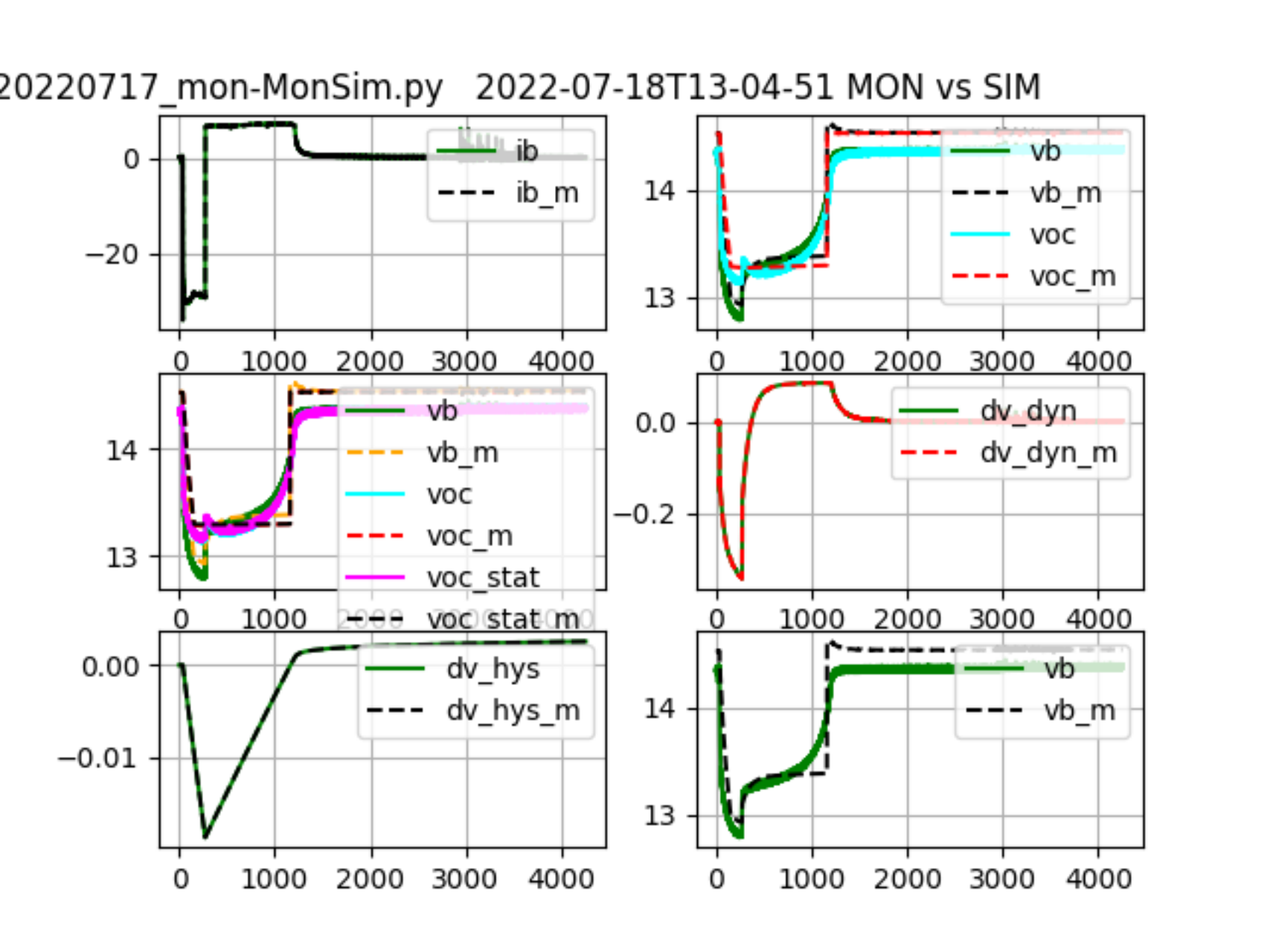


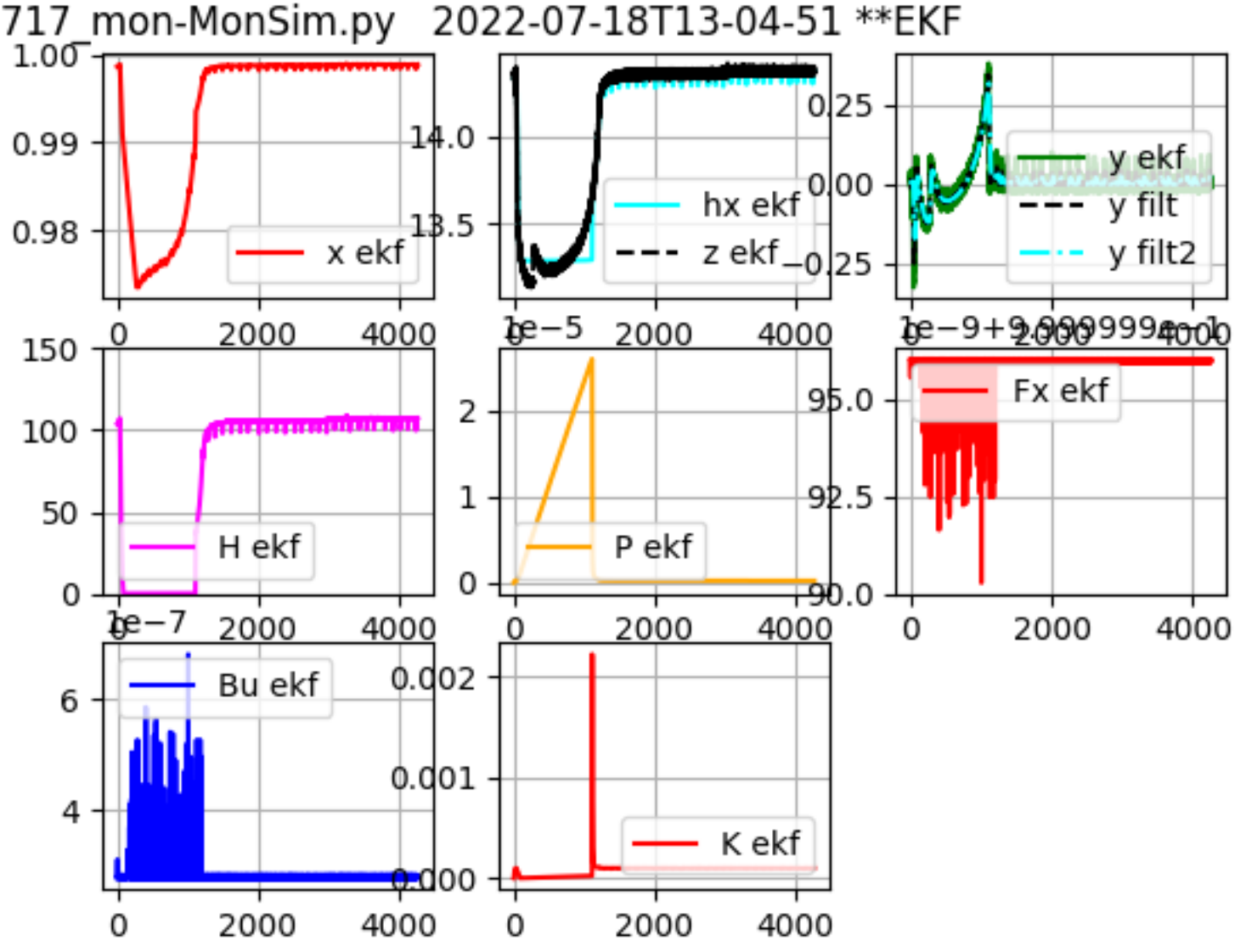


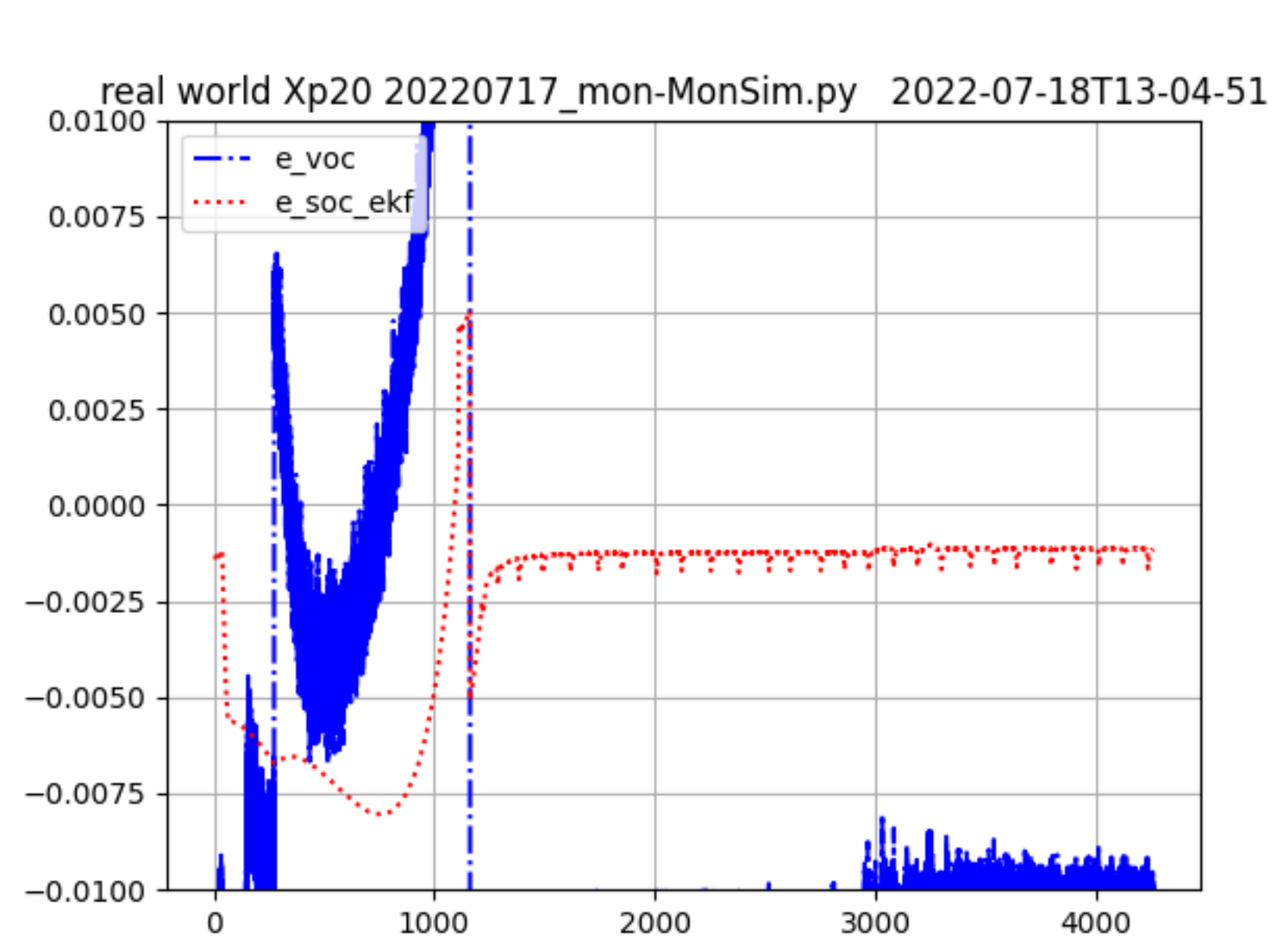


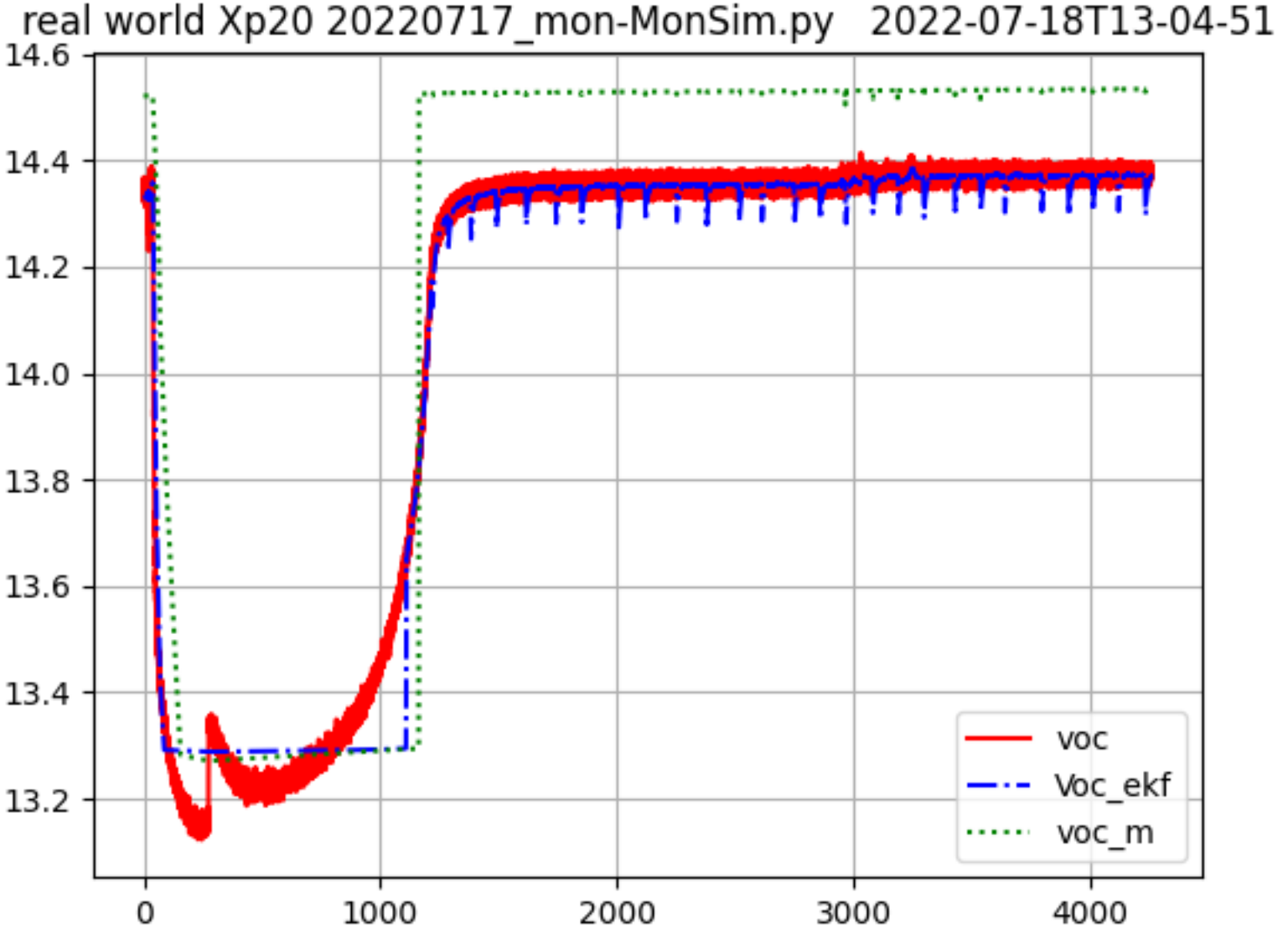


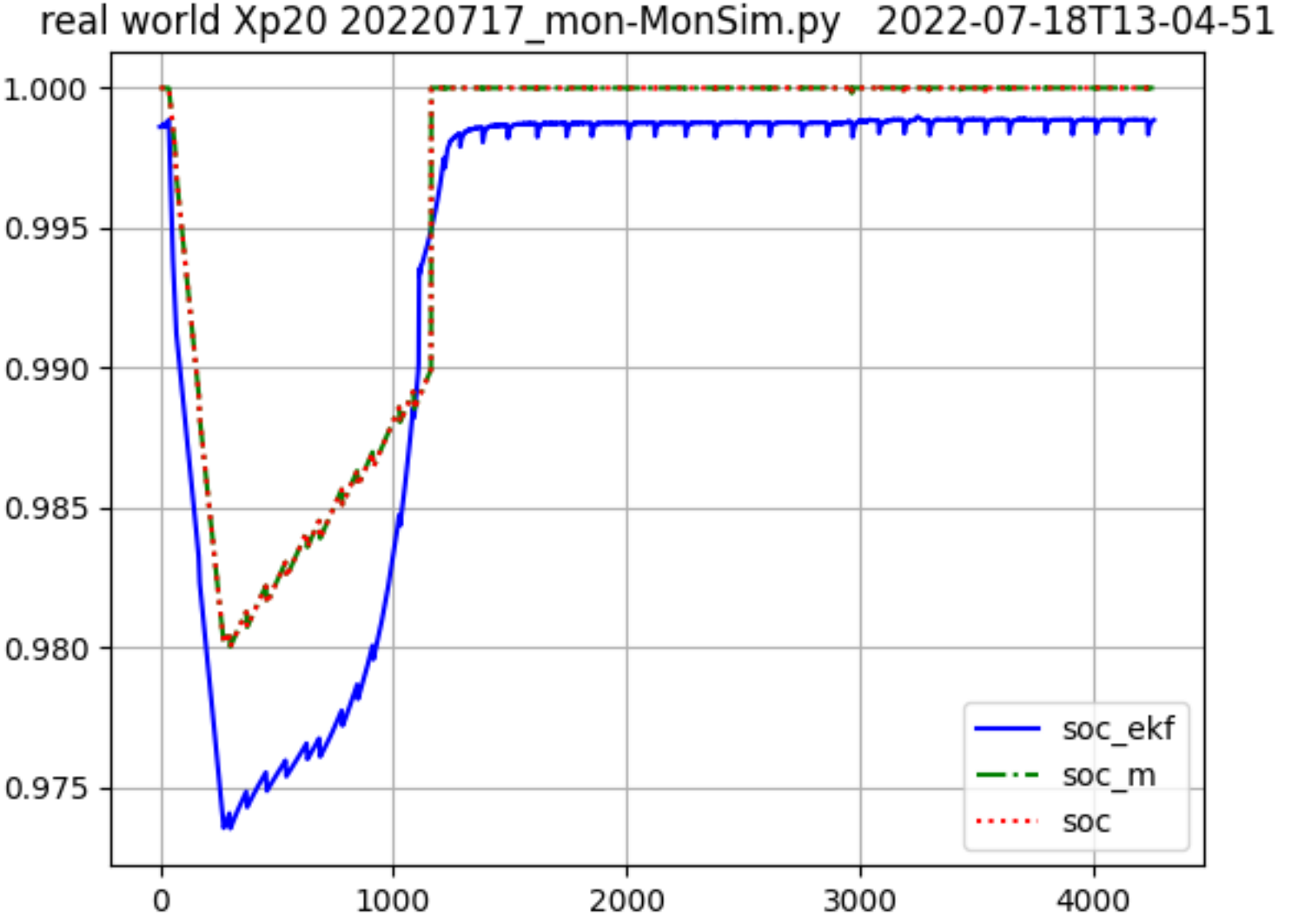


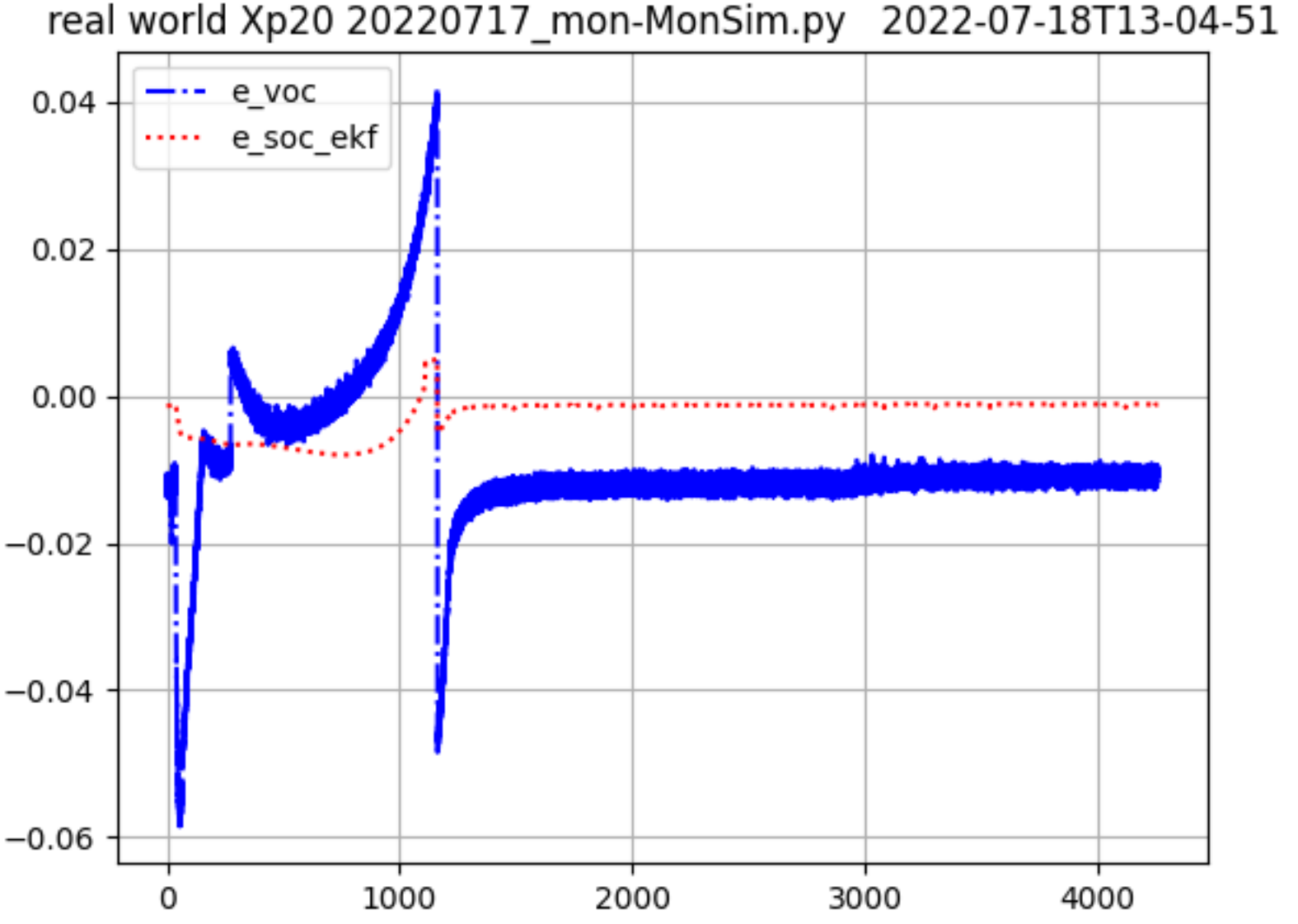

20220717_mon-MonSim.py 2022-07-18T13-04-51 MON vs SIM
ib
ib_m
vb
vb_m
voc
voc_m
voc_stat
voc_stat_m
dv_dyn
dv_dyn_m
dv_hys
dv_hys_m


0220717_mon-MonSim.py 2022-07-18T13-04-51 **EKF
x ekf
hx ekf
z ekf
y ekf
y filt
y filt2
H ekf
P ekf
Fx ekf
Bu ekf
K ekf
1e−5
1e−7
1e−9+9.999999e−1


real world Xp20 20220717_mon-MonSim.py 2022-07-18T13-04-51
e_voc
e_soc_ekf
0.0100
0.0075
0.0050
0.0025
0.0000
−0.0025
−0.0050
−0.0075
−0.0100
0
1000
2000
3000
4000


real world Xp20 20220717_mon-MonSim.py 2022-07-18T13-04-51
14.6
14.4
14.2
14.0
13.8
13.6
13.4
13.2
0
1000
2000
3000
4000
voc
Voc_ekf
voc_m


real world Xp20 20220717_mon-MonSim.py 2022-07-18T13-04-51
1.000
0.995
0.990
0.985
0.980
0.975
0
1000
2000
3000
4000
soc_ekf
soc_m
soc


real world Xp20 20220717_mon-MonSim.py 2022-07-18T13-04-51
e_voc
e_soc_ekf
0.04
0.02
0.00
−0.02
−0.04
−0.06
0
1000
2000
3000
4000