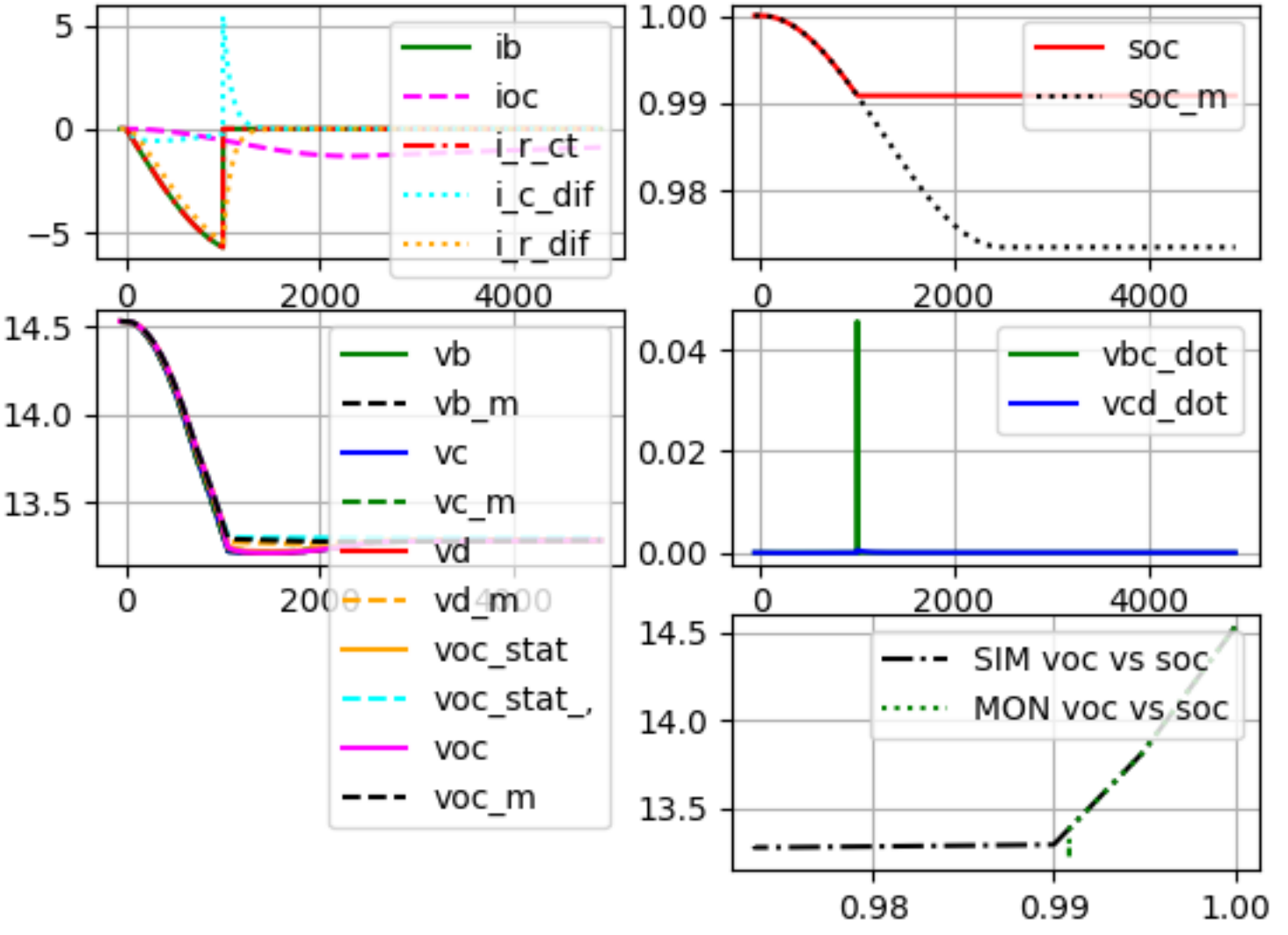
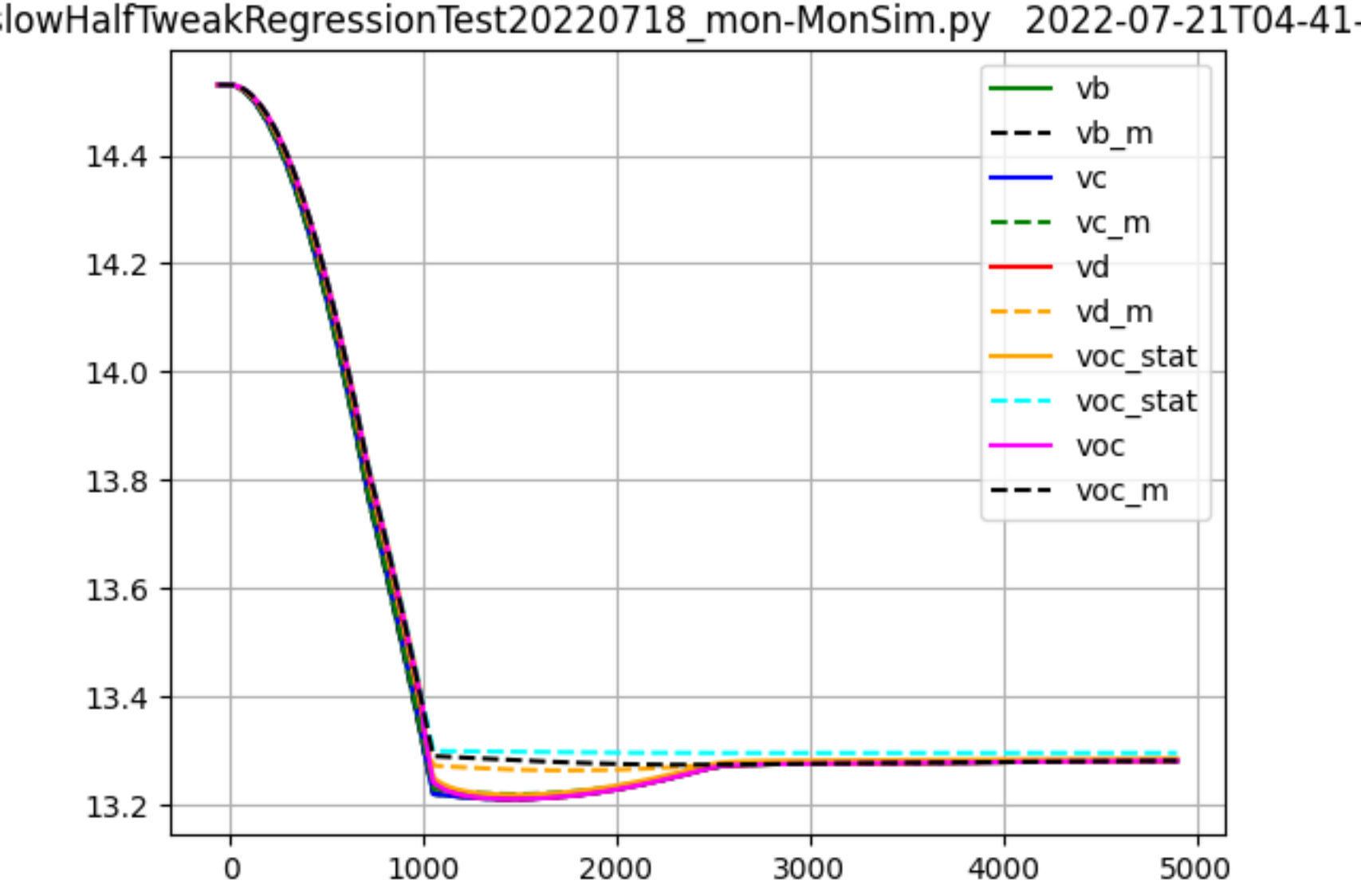
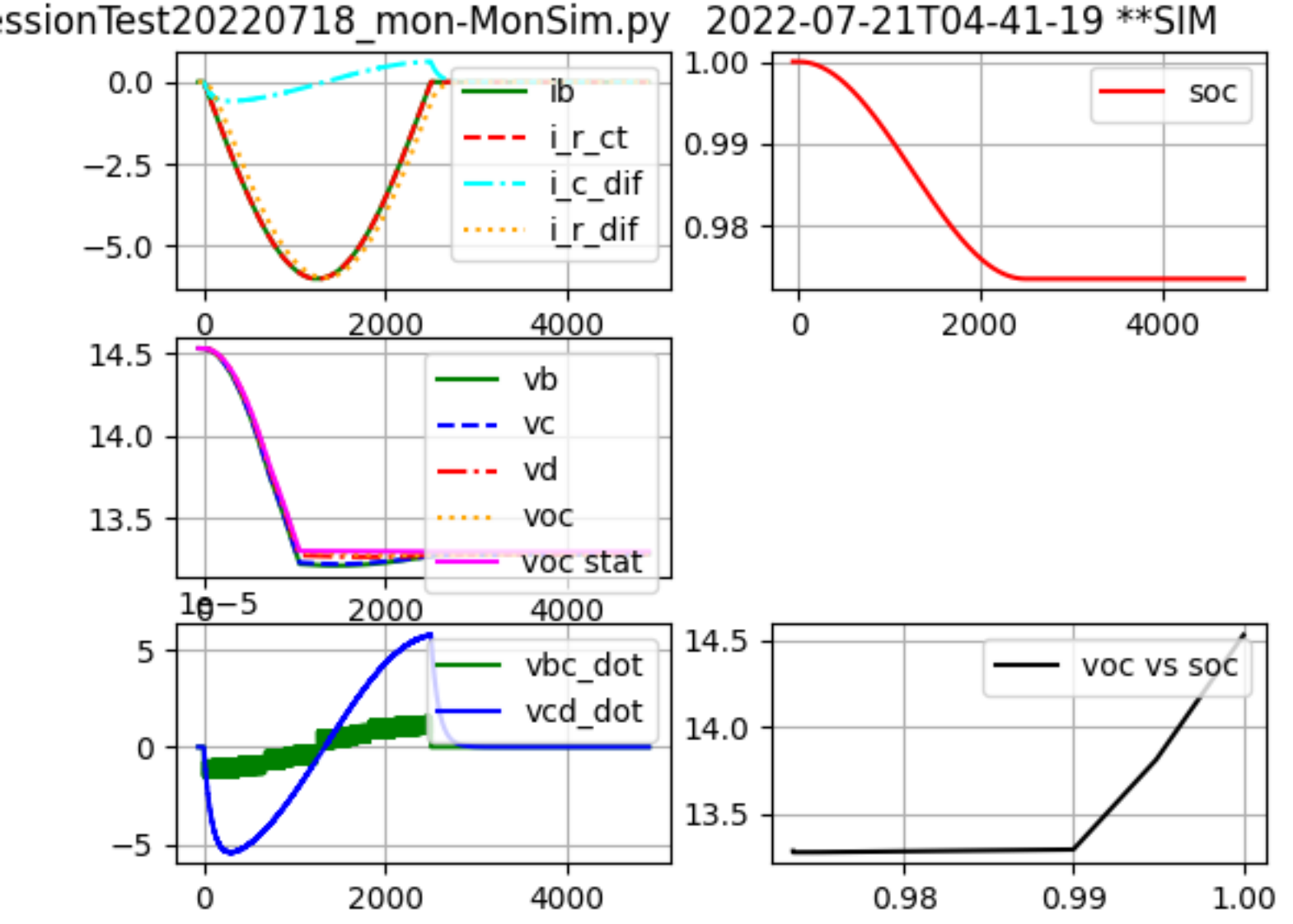
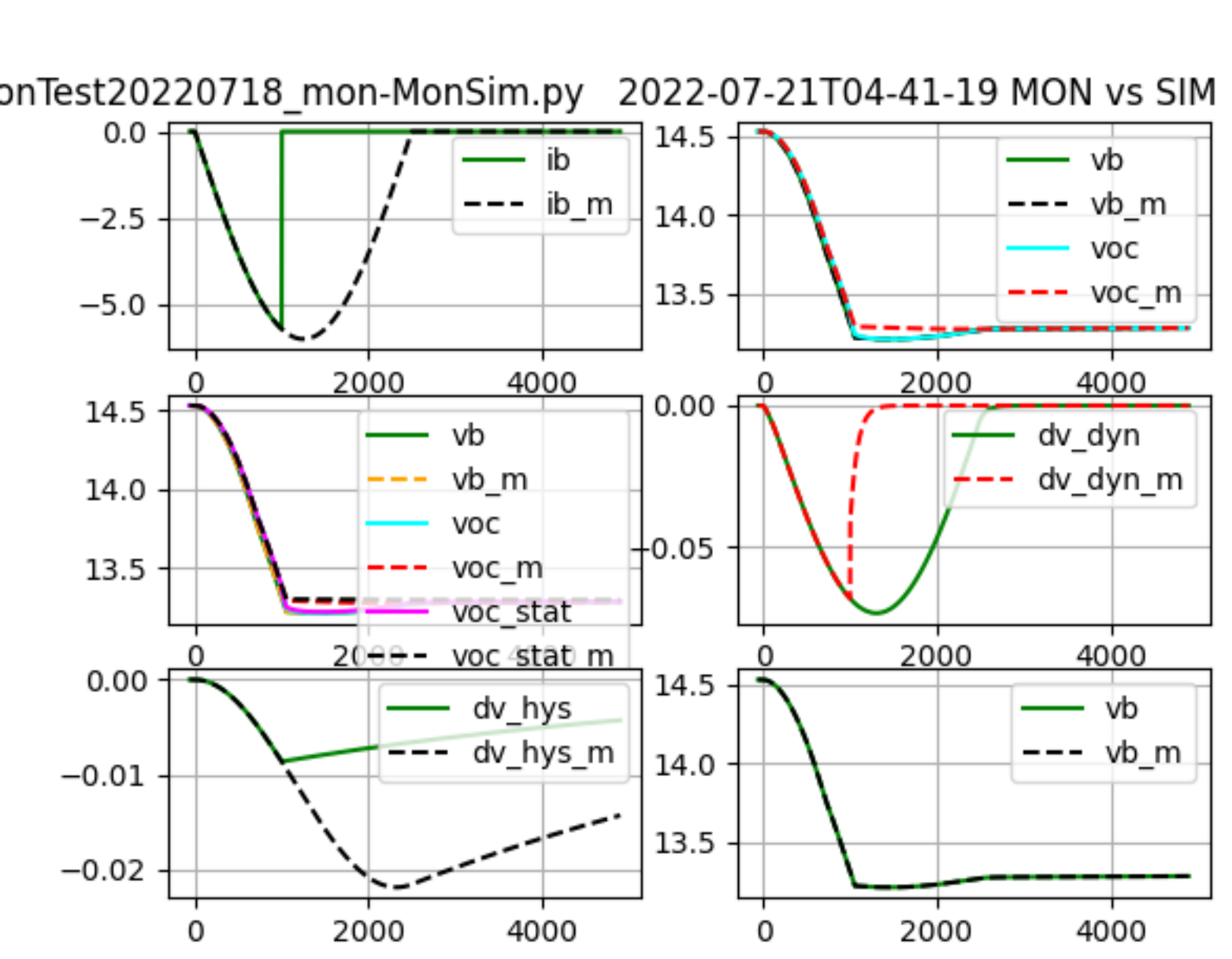
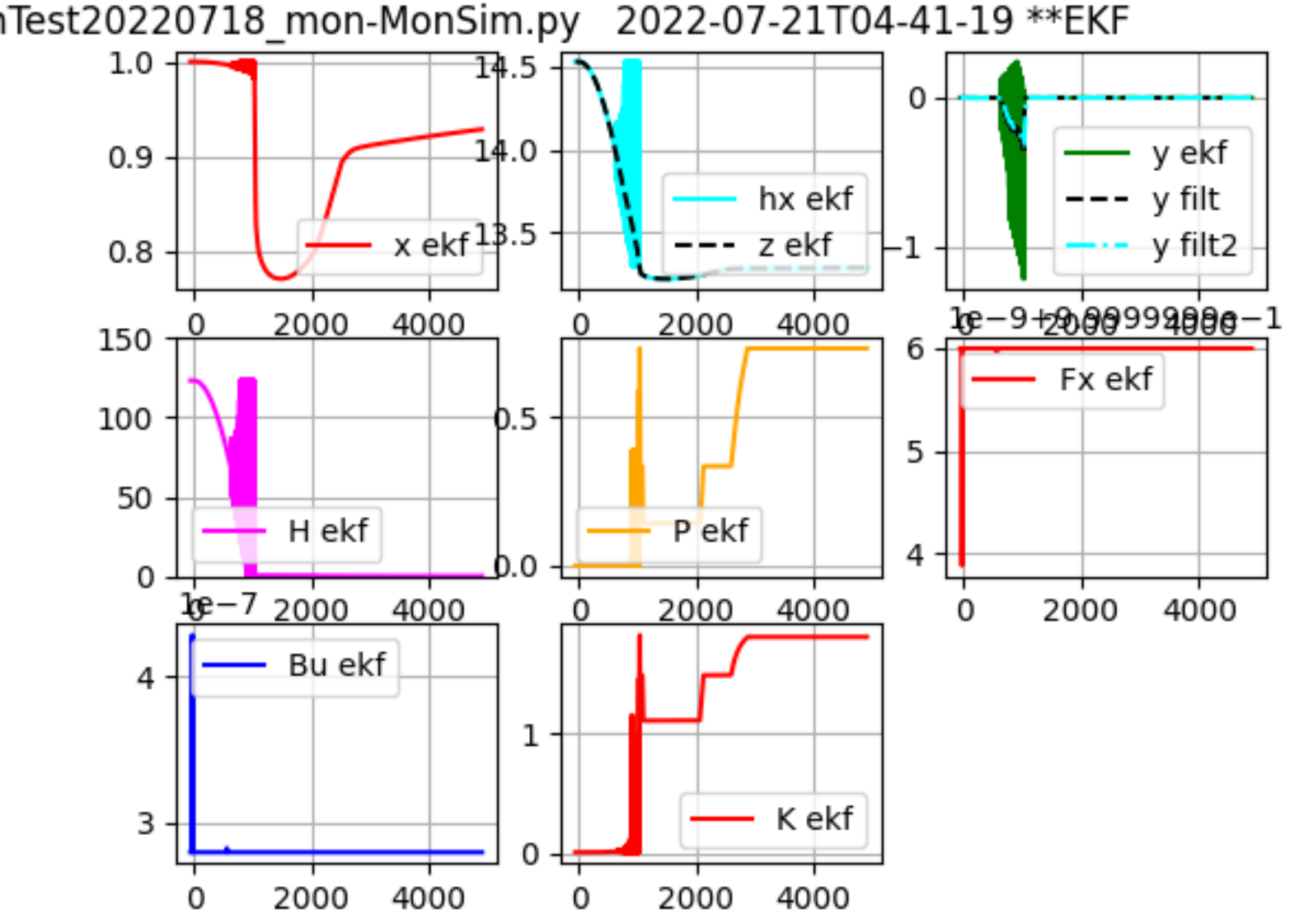
gressionTest20220718_mon-MonSim.py 2022-07-21T04-41-19

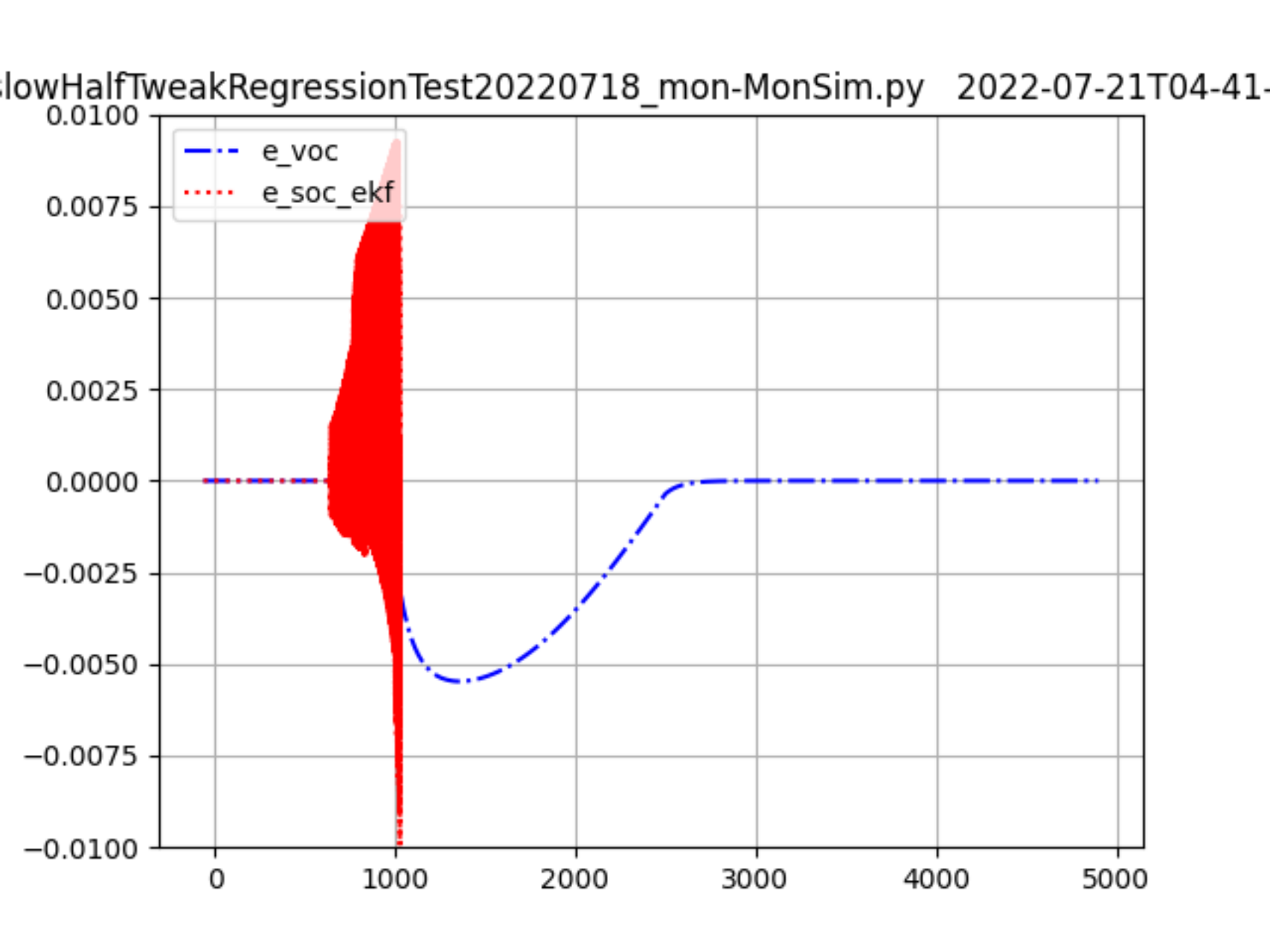


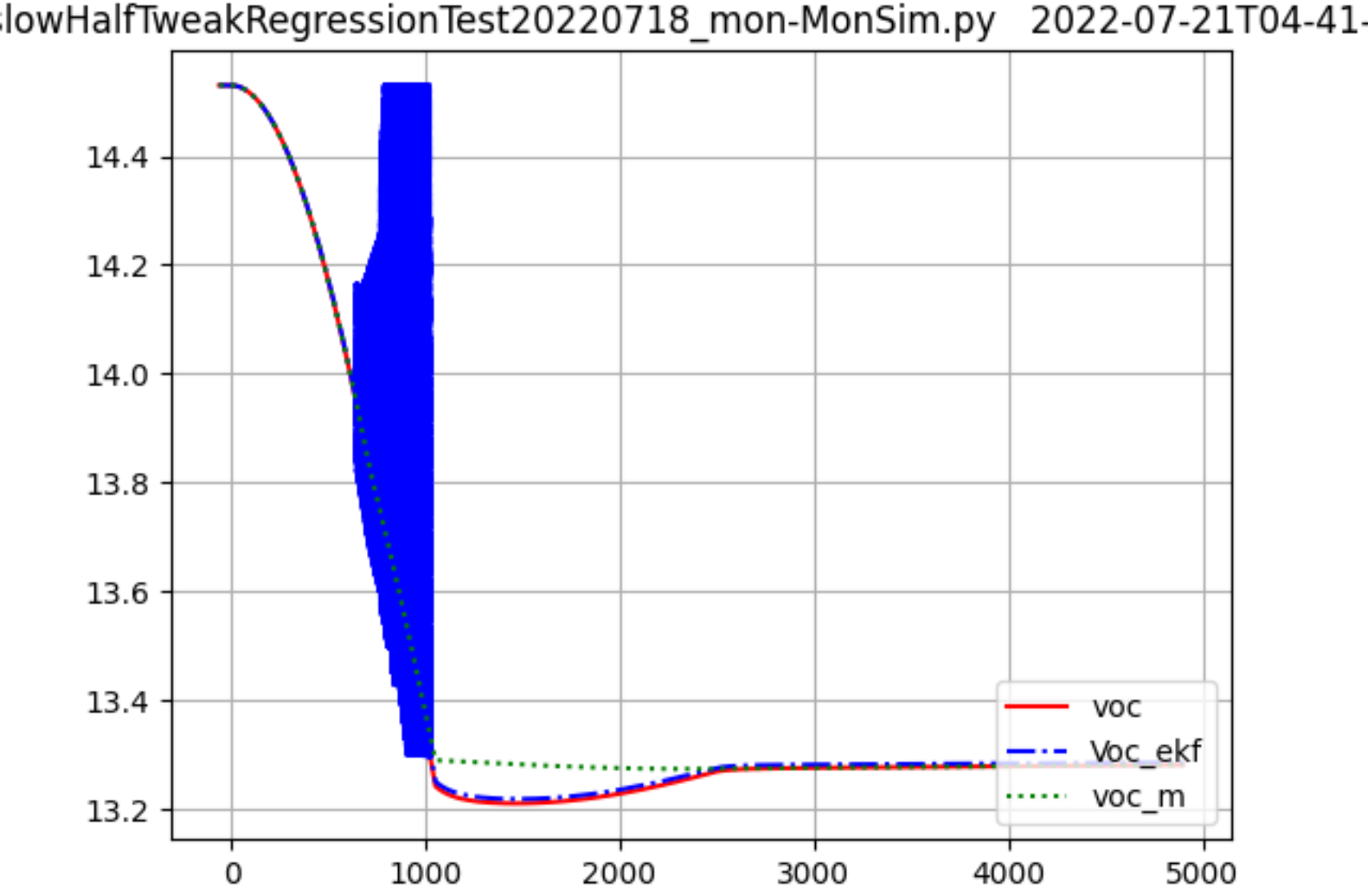

lowHalfTweakRegressionTest20220718_mon-MonSim.py 2022-07-21T04-41-
vb
vb_m
vc
vc_m
vd
vd_m
voc_stat
voc_stat
voc
voc_m
14.4
14.2
14.0
13.8
13.6
13.4
13.2
0
1000
2000
3000
4000
5000

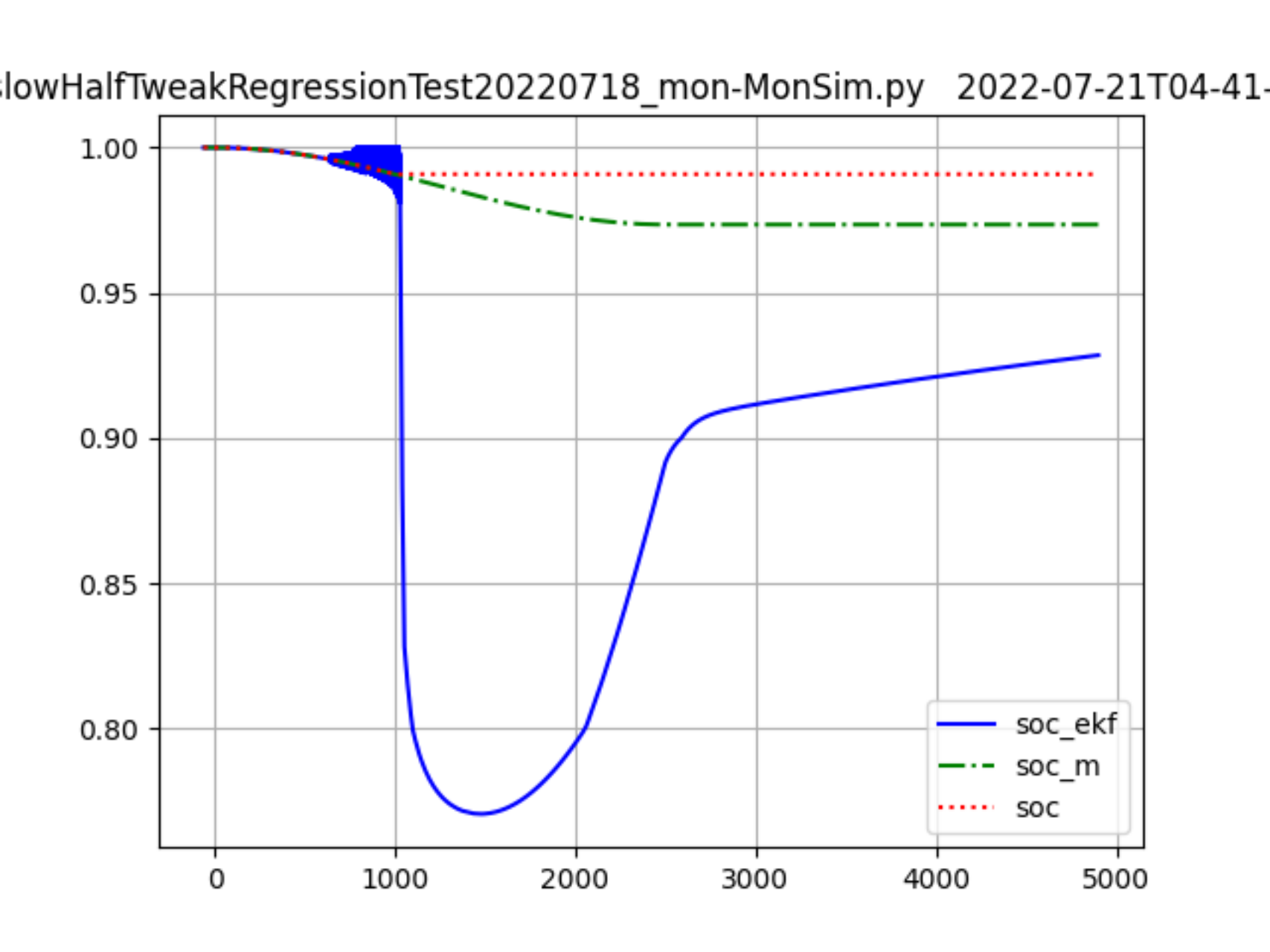

essionTest20220718_mon-MonSim.py 2022-07-21T04-41-19 **SIM
ib
i_r_ct
i_c_dif
i_r_dif
soc
vb
vc
vd
voc
voc stat
vbc_dot
vcd_dot
voc vs soc

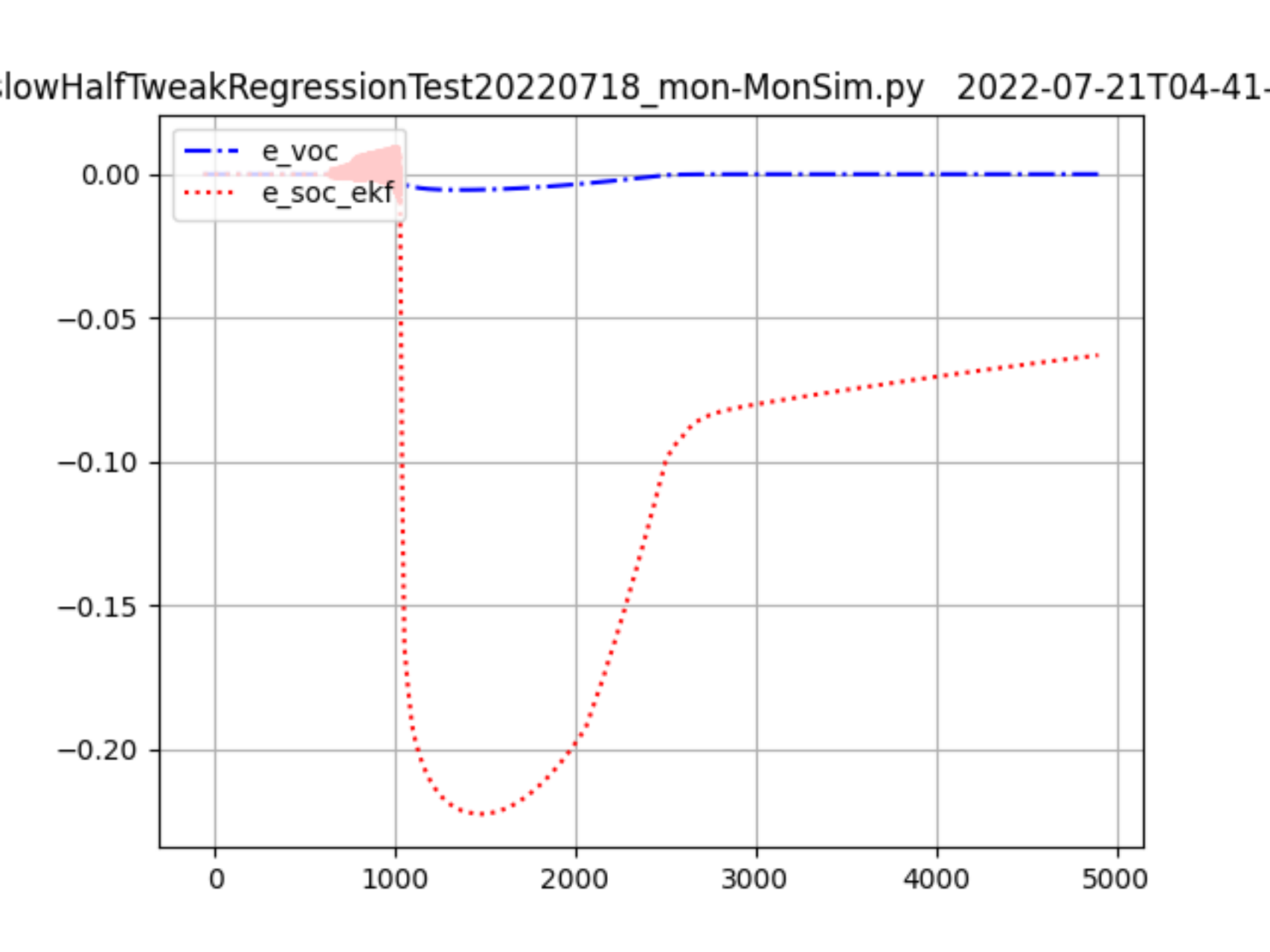

onTest20220718_mon-MonSim.py 2022-07-21T04-41-19 MON vs SIM
0.0
−2.5
−5.0
ib
ib_m
0
2000
4000
14.5
14.0
13.5
vb
vb_m
voc
voc_m
0
2000
4000
14.5
14.0
13.5
vb
vb_m
voc
voc_m
voc_stat
voc_stat_m
0
2000
4000
0.00
−0.05
dv_dyn
dv_dyn_m
0
2000
4000
0.00
−0.01
−0.02
dv_hys
dv_hys_m
0
2000
4000
14.5
14.0
13.5
vb
vb_m
0
2000
4000


nTest20220718_mon-MonSim.py 2022-07-21T04-41-19 **EKF
x ekf
hx ekf
z ekf
y ekf
y filt
y filt2
H ekf
P ekf
Fx ekf
Bu ekf
K ekf
1e−7
1e−9
1e−1


lowHalfTweakRegressionTest20220718_mon-MonSim.py 2022-07-21T04-41-
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
5000


lowHalfTweakRegressionTest20220718_mon-MonSim.py 2022-07-21T04-41-
14.4
14.2
14.0
13.8
13.6
13.4
13.2
0
1000
2000
3000
4000
5000
voc
Voc_ekf
voc_m


lowHalfTweakRegressionTest20220718_mon-MonSim.py 2022-07-21T04-41-
1.00
0.95
0.90
0.85
0.80
0
1000
2000
3000
4000
5000
soc_ekf
soc_m
soc


lowHalfTweakRegressionTest20220718_mon-MonSim.py 2022-07-21T04-41-
e_voc
e_soc_ekf
0.00
−0.05
−0.10
−0.15
−0.20
0
1000
2000
3000
4000
5000