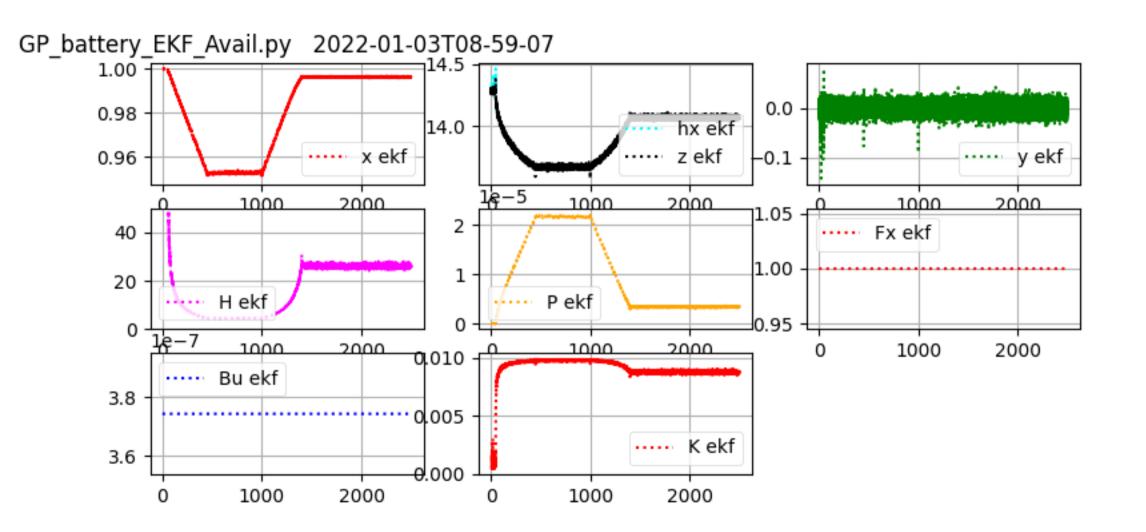
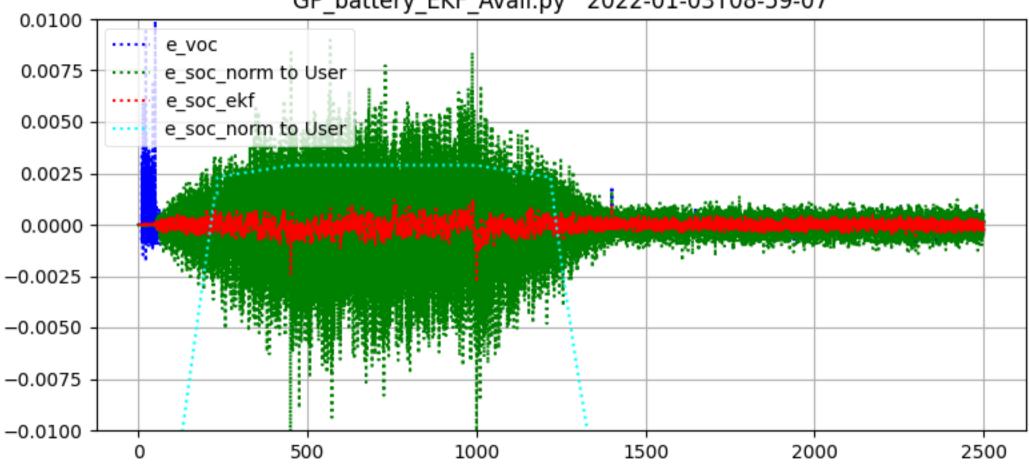
GP battery EKF Avail.py 2022-01-03T08-59-07 1.00 current demand, A SOC 25 0.98 SOC norm 0 I Rct -250.96 I C dif :lsRodif 500 1000 1500 500 1000 2000 2500 500 Vb Pow in 14 Vc 0 · Vd 12 Voc -5002000 2000 500 1000 1500 2500 500 1000 1500 2500 14.25 Vbc\_dot voc vs soc norm Vcd\_dot 14.00 0 13.75 -1500 1000 1500 2000 2500 0.96 0.97 0.98 0.99 1.00 0

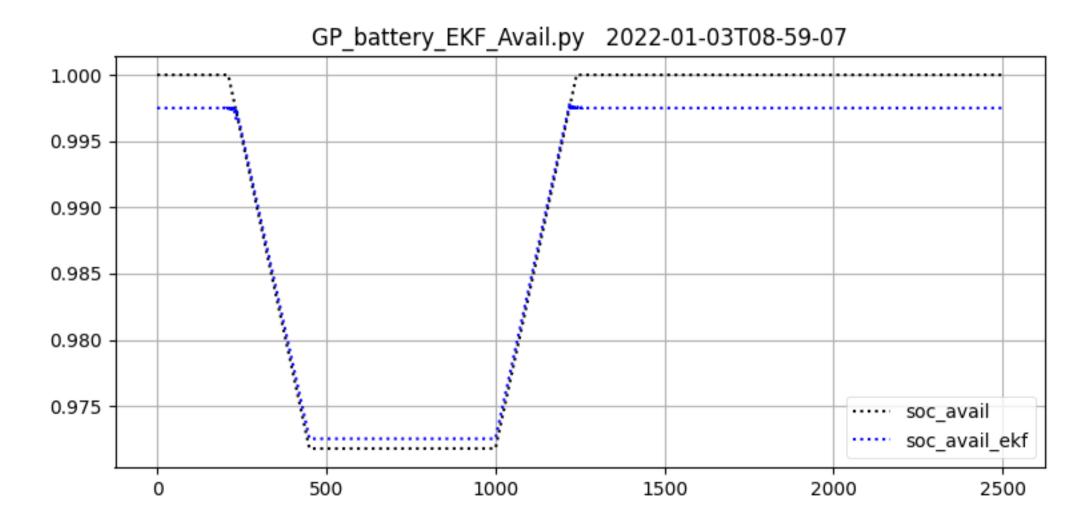
GP\_battery\_EKF\_Avail.py 2022-01-03T08-59-07 1.00 25 0 SOC norm ib 0.95 SOC norm ekf i batt -25actual voc 500 1000 1500 500 1000 2000 2500 16 voc dyn meas 1.00 voc filtered state SOC norm 14 post soc norm filtered 0.95 v batt x soc norm filtered 12 500 1500 2000 1500 1000 1000 2000 2500 0.01 0.010 e soc ekf e voc 0.00 0.005 e soc norm to User K (belief state / belief meas) 0.000 -0.01500 1000 1500 2000 2500 500 1000 1500 2000 2500

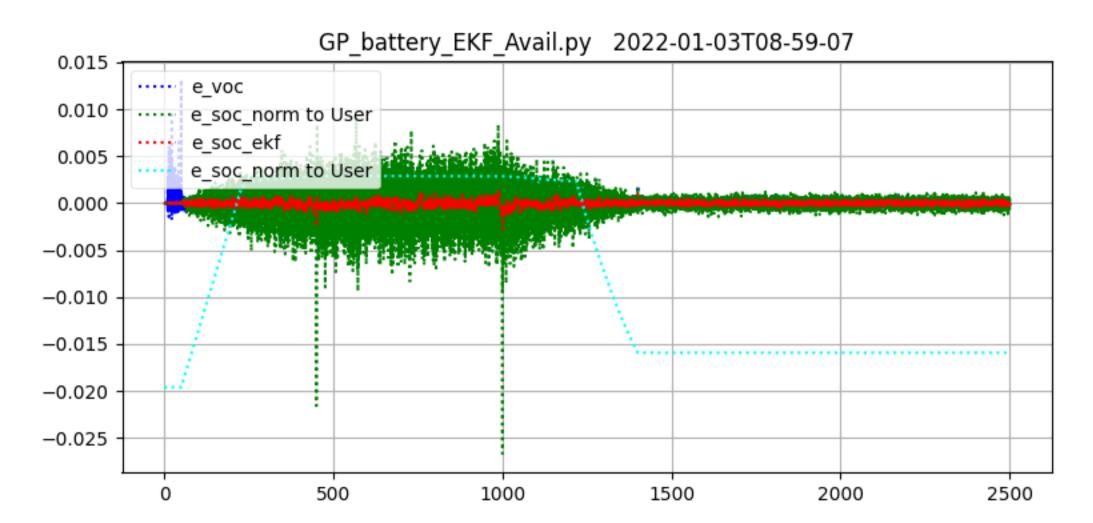


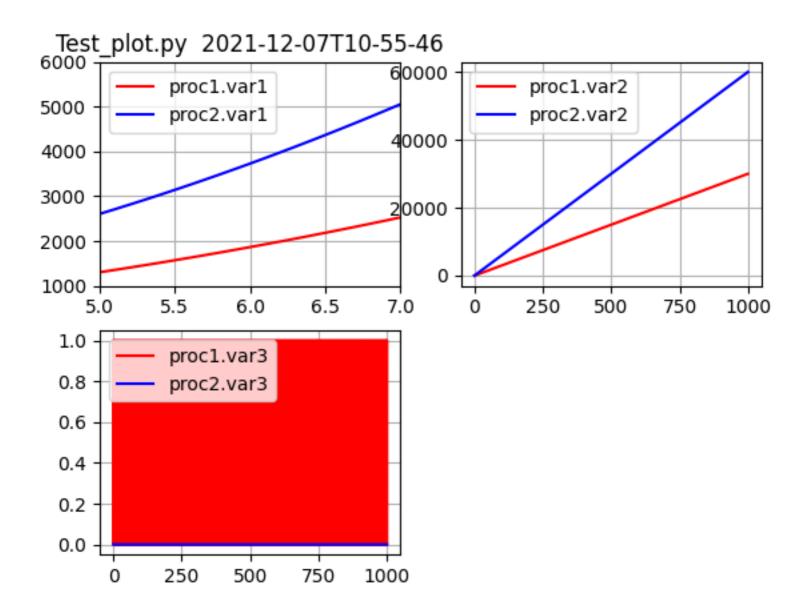
GP\_battery\_EKF\_Avail.py 2022-01-03T08-59-07 14.4 -1.00 14.3 0.99 14.2 0.98 -14.1 0.97 14.0 0.96 Line de Lancie 13.9 0.95 13.8 0.94 13.7 voc\_dyn SOC 0.93 13.6 vbat solved soc solved 0 500 1000 1500 2000 2500 500 1000 1500 2000 2500

GP\_battery\_EKF\_Avail.py 2022-01-03T08-59-07









Test<sub>1</sub>p<sub>8</sub>ot.py 2021-12-08T05-22-29 60000 proc1.var1 proc1.var2 proc2.var1 proc2.var2 1.0 40000 0.5 20000 0.0 0 250 250 1000 500 750 500 750 1000 1.0 proc1.var3 0.8 proc2.var3 0.6 0.4 -0.2 0.0

0

250

500

750

1000