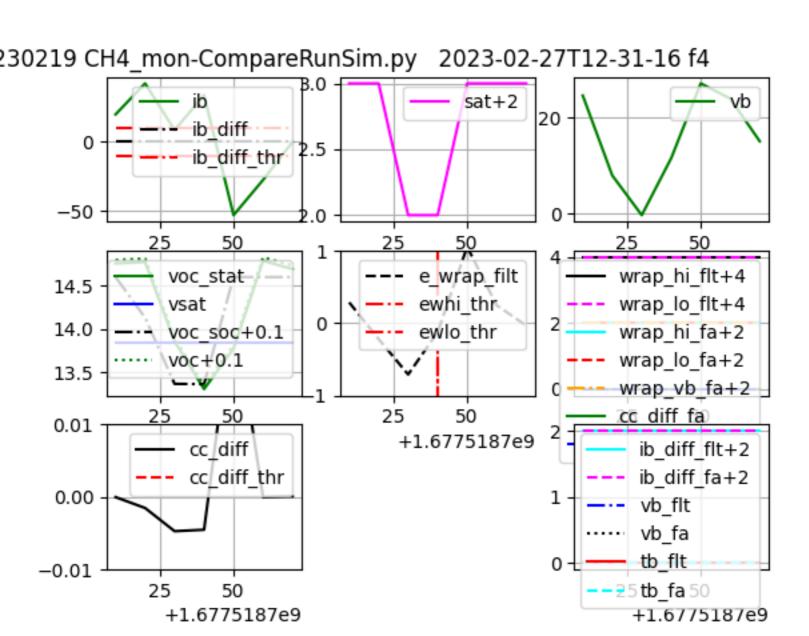
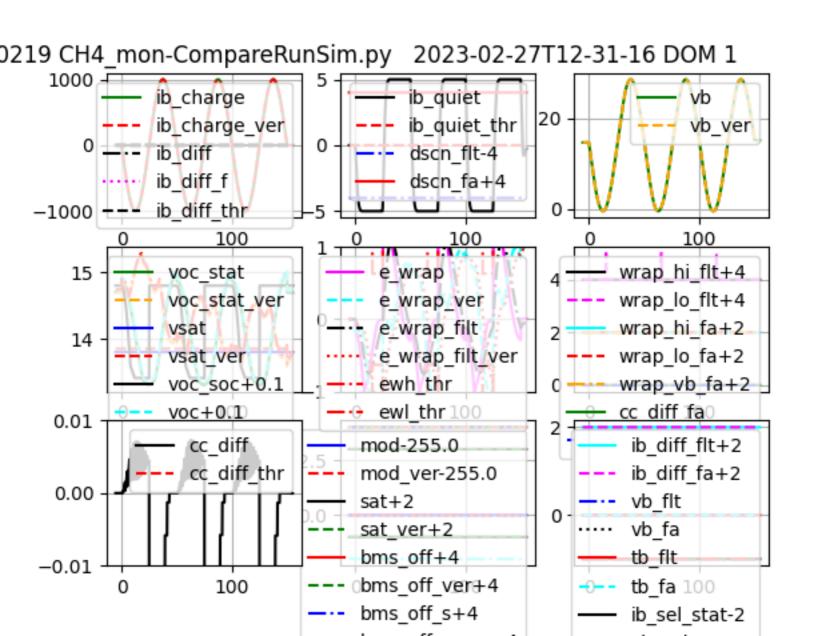
plot\_colortable(mcolors.CSS4\_COLORS)
plt.show()

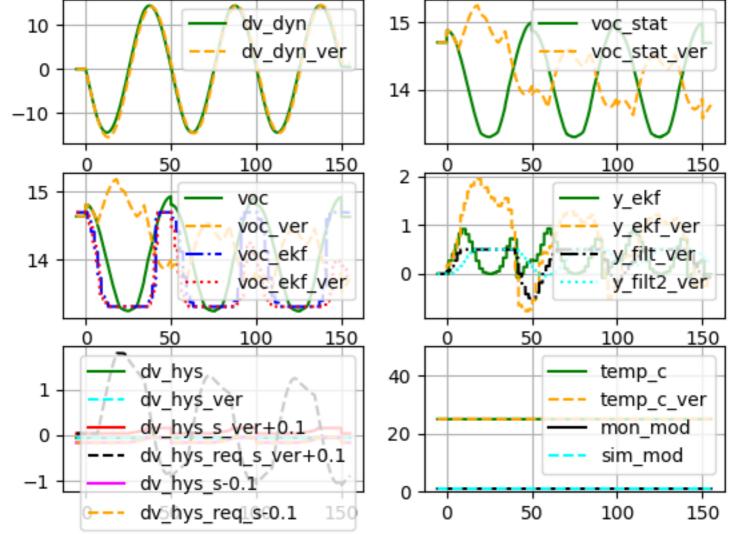
black	bisque	forestgreen	slategrey
dimgray	darkorange	limegreen	lightsteelblue
dimgrey	burlywood	darkgreen	cornflowerblue
gray	antiquewhite	green	royalblue
grey	tan	lime	ghostwhite
darkgray	navajowhite	seagreen	lavender
darkgrey	blanchedalmond	mediumseagreen	midnightblue
silver	papayawhip	springgreen	navy
lightgray	moccasin	mintcream	darkblue
lightgrey	orange	mediumspringgreen	mediumblue
gainsboro	wheat	mediumaquamarine	blue
whitesmoke	oldlace	aquamarine	slateblue
white	floralwhite	turquoise	darkslateblue
snow	darkgoldenrod	lightseagreen	mediumslateblue
rosybrown	goldenrod	mediumturquoise	mediumpurple
lightcoral	cornsilk	azure	rebeccapurple
indianred	gold	lightcyan	blueviolet
brown	lemonchiffon	paleturquoise	indigo
firebrick	khaki	darkslategray	darkorchid
maroon	palegoldenrod	darkslategrey	darkviolet
darkred	darkkhaki	teal	mediumorchid
red	ivory	darkcyan	thistle
mistyrose	beige	aqua	plum
salmon	lightyellow	cyan	violet
tomato	lightgoldenrodyellow	darkturquoise	purple
darksalmon	olive	cadetblue	darkmagenta
coral	yellow	powderblue	fuchsia
orangered	olivedrab	lightblue	magenta
lightsalmon	yellowgreen	deepskyblue	orchid
sienna	darkolivegreen	skyblue	mediumvioletred
seashell	greenyellow	lightskyblue	deeppink
chocolate	chartreuse	steelblue	hotpink
saddlebrown	lawngreen	aliceblue	lavenderblush
sandybrown	honeydew	dodgerblue	palevioletred
peachpuff	darkseagreen	lightslategray	crimson
peru	palegreen	lightslategrey	pink
linen	lightgreen	slategray	lightpink



v20230219 CH4\_mon-CompareRunSim.py 2023-02-27T12-31-16 1a 1000 -10 ib\_amp\_hdwe ib\_diff ib\_noa\_hdwe ib\_diff\_f 0 0 ib\_diff\_thr ib sel ib\_charge -1000-10 50 100 150 50 100 150 0.1 5 ib quiet ib rate ib quiet thr ib quiet 0.0 0 dscn fa-0.02 ib quiet thr -0.150 50 100 150 100 150 cc\_diff 1 e\_wrap 0.00 e wrap filt 0.02 0 -1±0.04 50 100 150 50 100 150

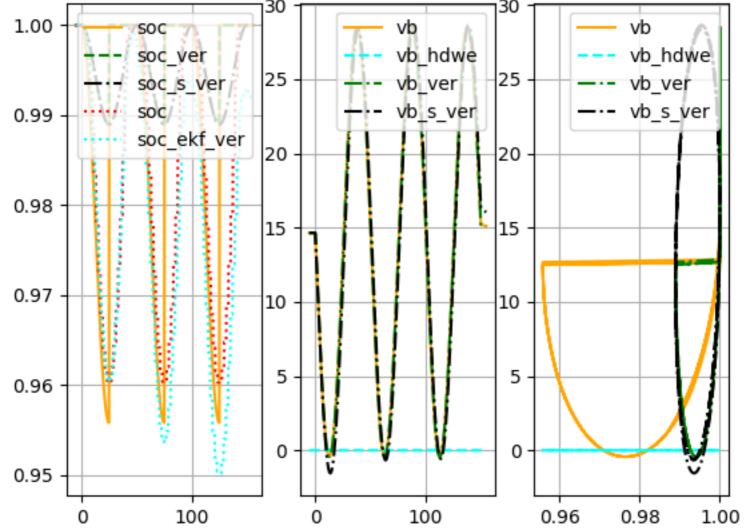


20230219 CH4\_mon-CompareRunSim.py 2023-02-27T12-31-16 DOM 2



20230219 CH4\_mon-CompareRunSim.py 2023-02-27T12-31-16 DOM 3 1.00 1.00 SOC soc ekf soc\_ekf\_ver 0.99 soc\_ver 0.99 0.98 0.98 0.97 0.97 0.96 0.96 0.95 50 100 150 100 150 50 1.0000 1.00 SOC S SOC 0.99 soc s ver soc ver 0.9975 SOC S 0.98 0.9950 soc s ver 0.97 soc ekf 0.9925 soc ekf ver 0.96 0.9900 0.95 50 100 150 50 100 150

0219 CH4\_mon-CompareRunSim.py 2023-02-27T12-31-16 DOM 4



0219 CH4\_mon-CompareRunSim.py 2023-02-27T12-31-16 EKF 1 1000 15 reset s ver z\_ver sat s u\_ver þ.5 0 sat s ver 14 -10001g-7+9.99900e-1 **1**€−6 **1**€−6 100 100 10.0 Fx 5.0 Bu 2.3 Bu\_ver Fx\_ver Q\_ver 9.5 2.2 9.0 1**e**-5 100 100 100 0.26 R S 4 **D**.6 P\_ver R\_ver S\_ver 0.25 2 0.24 0

100

100

100

0219 CH4\_mon-CompareRunSim.py 2023-02-27T12-31-16 EKF 2

