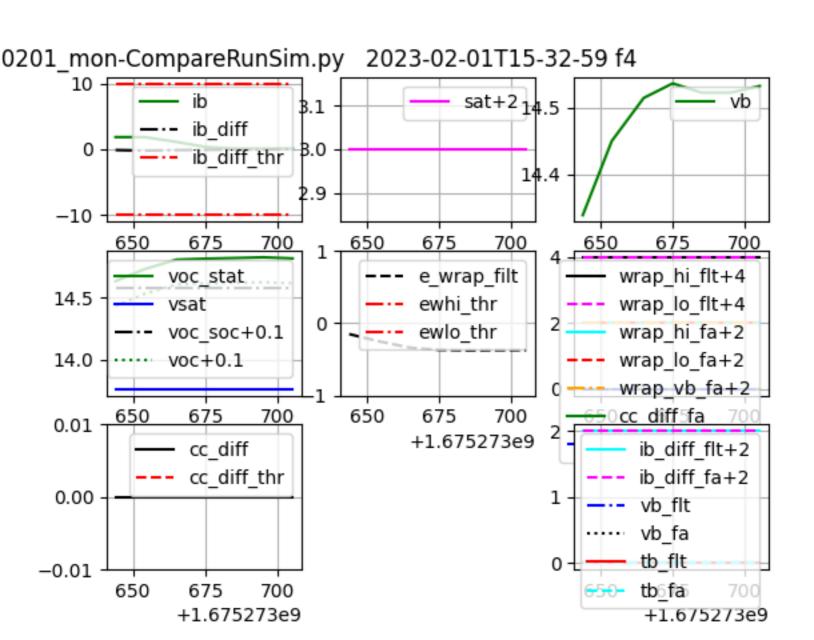
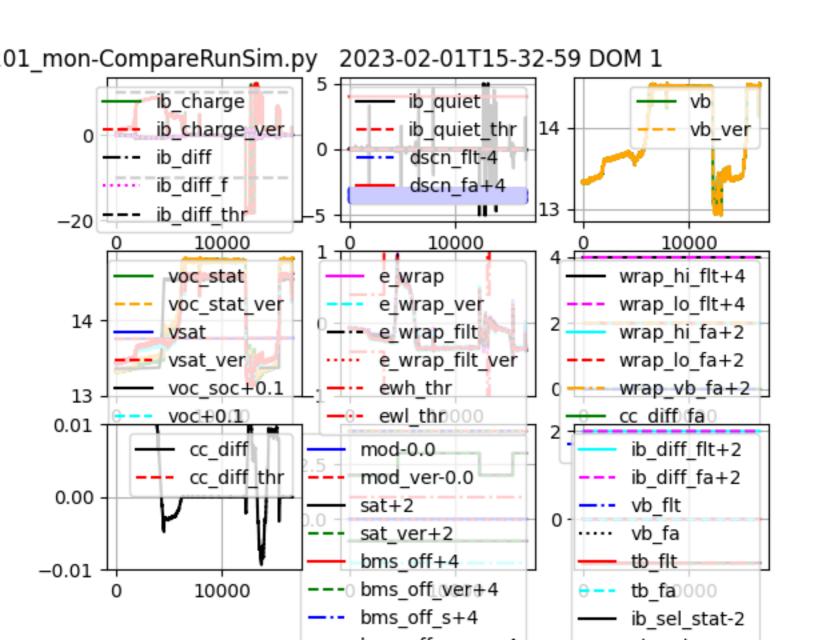
plot\_colortable(mcolors.CSS4\_COLORS)
plt.show()

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



20230201\_mon-CompareRunSim.py 2023-02-01T15-32-59 1a ib amp hdwe ib\_diff ib noa hdwe ib diff f 0 0 ib sel ib diff thr ib charge -20-10 5000 15000 5000 10000 15000 10000 0.1 5 ib\_quiet ib rate ib quiet thr ib\_quiet 0.0 0 dscn fa-0.02 ib quiet thr -0.115000 5000 10000 5000 10000 15000 cc\_diff 0.05 e\_wrap e wrap\_filt 0 0.00 0 5000 10000 15000 5000 10000 15000 0



230201\_mon-CompareRunSim.py 2023-02-01T15-32-59 DOM 2 dv\_dyn voc stat dv\_dyn\_ver voc\_stat\_ver 0.0 14 -0.213 10000 5000 10000 15000 5000 15000 voc y ekf 0.25 y ekf ver 14 voc ver voc ekf y filt ver 0.00 y filt2 ver voc ekf ver 13 0.25 15000 5000 10000 5000 10000 15000 dv hys temp\_c 40 dv\_hys\_ver temp\_c\_ver 0  $dv_hys_s_ver+0.1$ mon\_mod 20 dv\_hys\_req\_s\_ver+0.1 sim\_mod -1dv hys s-0.1

5000

15000

10000

dv hys\_req cs-0.115000

230201\_mon-CompareRunSim.py 2023-02-01T15-32-59 DOM 3 1.00 1.00 SOC soc ekf soc ekf ver soc\_ver 0.98 0.99 0.96 0.98 0.94 0.97 5000 10000 15000 5000 10000 15000 1.00 1.00 SOC S SOC soc s ver soc ver 0.98 0.98 SOC S soc s ver 0.96 0.96 soc ekf soc ekf ver 0.94 0.94

15000

5000

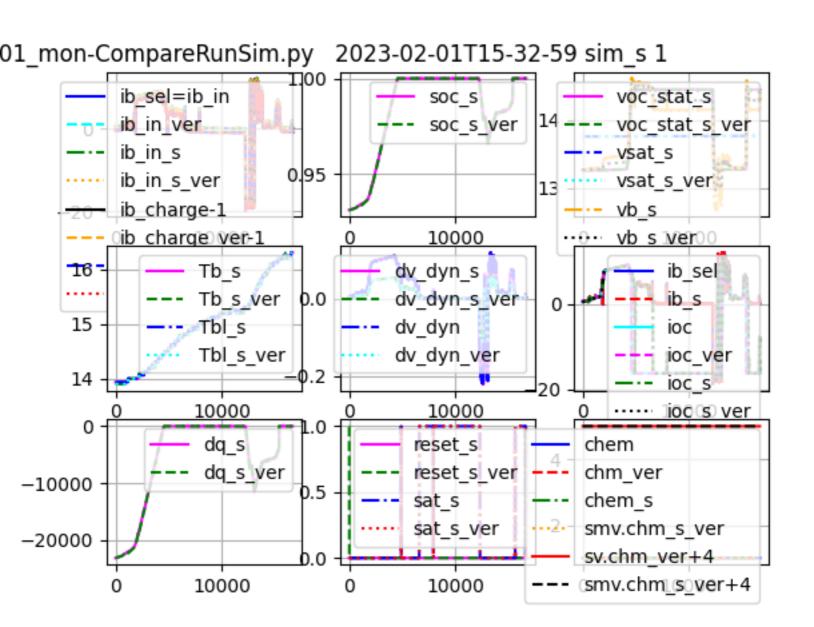
10000

15000

5000

10000

01\_mon-CompareRunSim.py 2023-02-01T15-32-59 DOM 4 14.6 41.6 1.00 νb νb SOC vb\_hdwe vb\_hdwe soc\_ver vb ver vb\_ver soc\_s\_ver 0.99 vb s ver vb\_s\_ver SOC 14.2 soc\_ekf\_ver 0.98 14.0 <del>1</del>4.0 0.97 13.8 13.8 0.96 13.6 13.6 13.4 0.95 <del>1</del>3.2 13.2 0.94 13.0 13.0 0.93 10000 10000 0.95 1.00



voc\_stat 14.75 VOC\_SOC 14.50 14.25 14.00 13.75 13.50 13.25

0.96

0.97

0.98

0.99

1.00

0.93

0.94

0.95