F2 time series Air\_Avg Ammo\_Fudge\_Factor Amm\_Flow\_Pv Amm\_Rec\_SP Amm\_Flow\_tot Fermenter\_Air\_PV 0.8 -0.6 -600 -46 -0.6 -0.4 -45 400 -0.4 -44 0.2 -200 -43 0.2 -42 -0.0 -0.0 39 1000 1000 500 1000 1000 500 500 1000 0 500 0 500 1000 FID\_PV Fermenter\_Level\_Pv FID\_SP Mol\_Flow\_Pv Mol\_Flow\_Tot Fermenter\_Temp\_Pv 4.5 -8000 -150 -400 -10.0 -140 -4.2 6000 300 -7.5 **-**130 -3.9 4000 -200 -5.0 -120 -100 2000 -3.6 28 110 -2.5 0 -0.0 100 1000 1000 500 1000 0 500 1000 500 500 500 0 500 1000 0 1000 VOC\_Avg VOC\_Pv Mol\_Fudge\_Factor Mol\_Rec\_SP Phos\_Tot Phos\_Tot\_Req 100 -30 -400 label 7.5 -300 75 300 -20 value **REJECT** 5.0 -200 200 **RELEASE** 2.5 -100 25 100 RESTRICT 0 0.0 1000 500 1000 1000 1000 1000 1000 500 500 500 Ö 500 500 Ö VPR01\_PID\_Out VPR01\_PV VPR01\_SP VPR02\_PV VPR02\_SP VPR02\_PID\_Out 0.8 -0.8 -12 -100 -10.0 -30 -0.6 -0.6 -9 -75 -7.5 -20 -0.4 -0.4 -6 -50 5.0 -10 0.2 -0.2 -2.5 -0.0 500 1000 1000 1000 1000 1000 500 1000 500 500 500 0 500 0 VPR03\_PID\_Out VPR03\_PV Water\_Flow\_tot Water\_Out\_Temp\_Pv Yeast\_Out\_Temp\_Pv 100 -20000 -34 35 75 **-**15000 -30 -50 -10000 -30 25 -25 28 5000 28 20 -0 0 1000 500 1000 0 500 1000 500 1000 0 500 1000 500

Step time