## Performances on the validation data X axis true force 10 regressed force Force value [AU] 5 0 -5 -1010000 15000 20000 0 5000 25000 30000 35000 40000 Sample Y axis 8 true force regressed force 6 Force value [AU] 4 2 0 **-**2 **-**4 5000 10000 15000 0 20000 25000 30000 35000 40000 Sample Z axis 0 Force value [AU] -5 -10 true force regressed force -155000 10000 15000 20000 25000 30000 35000 0 40000 Sample Norm 15.0 true norm true norm 12.5 Force value [N] true norm 10.0 regressed norm 7.5 5.0 2.5 0.0 5000 10000 15000 20000 30000 35000 0 25000 40000 Sample