The dataset used was subsampled from the original pH dataset, which had 20 data points per hour and in total over 60,000 points. When subsampling, for every 100 points only one point was kept and the rest was eliminated. This led to 3-4 data points per day in the final pH dataset presented.
If only sample from one time point were analyzed, then the standard deviation was not shown since it’s only from analytical replicates.