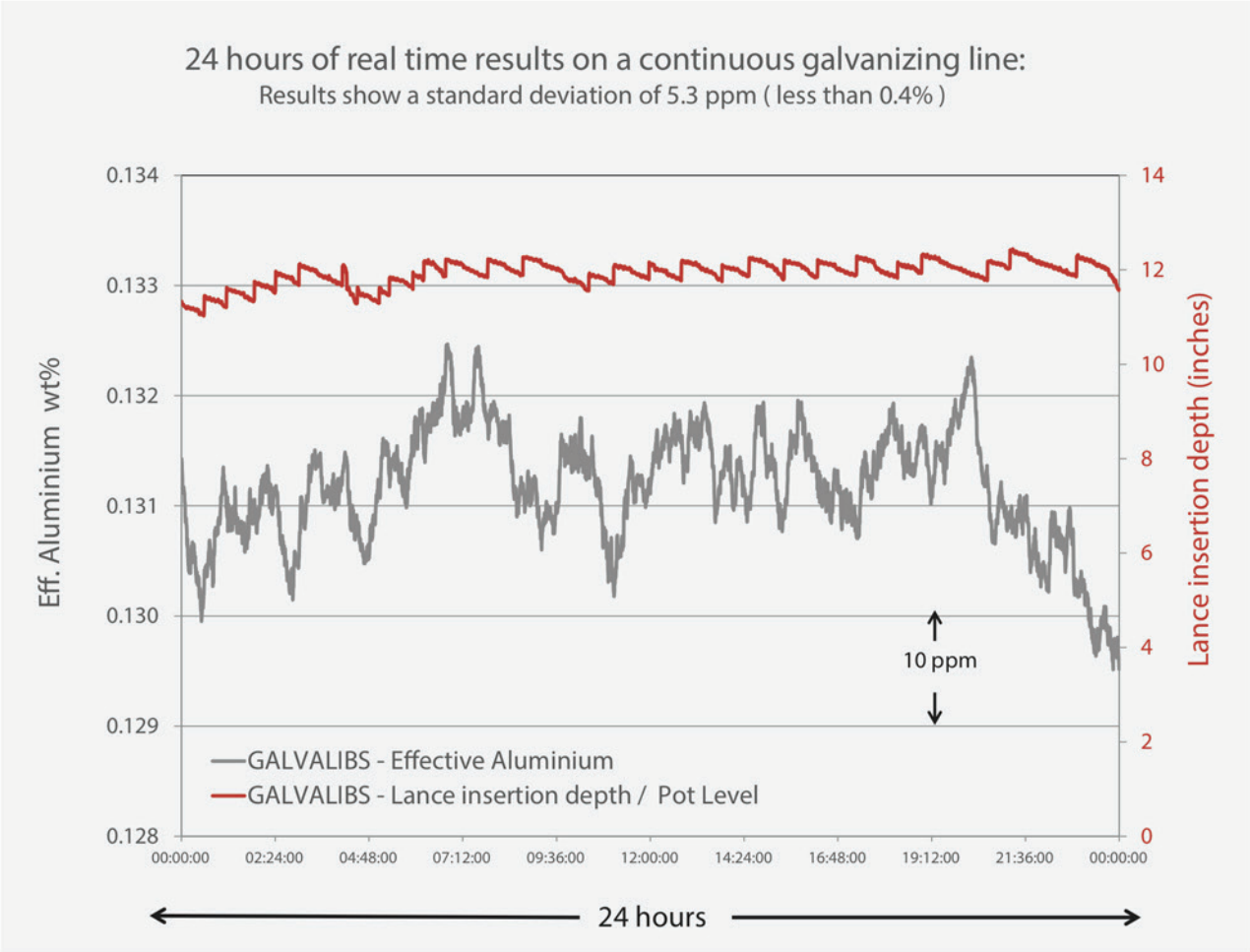


GALVALIBS™

THE FOLLOWING GRAPH IS AN EFFECTIVE ALUMINIUM GALVALIBS MONITORING DURING A FULL DAY (24HOURS). THE POT COMPOSITION WAS KEPT AS CONSTANT AS POSSIBLE BY THE POT OPERATORS. THE POT LEVEL SUPPLIED BY THE GALVALIBS IS ALSO INDICATED HERE, CONFIRMING THE LINE IS IN PRODUCTION SINCE WE CAN SEE CLEAR THE INGOT ADDITIONS. TAKEN THROUGHOUT THE ENTIRE DAY, THE RELATIVE STANDARD DEVIATION OF THE ALUMINUM MEASUREMENT IS LESS THAN 0.4%.



GALVALIBS™

THE FOLLOWING GRAPH IS ONE MONTH OF CONTINUOUS POT MONITORING WITH THE GALVALIBS COMPARED WITH LAB SAMPLES ANALYZED WITH ATOMIC ABSORPTION AND PROCESSED WITH THE BROADLY USED DEAL TECK COMINCO SOFTWARE AT PRO-TEC COATING, US STEEL. NO RECALIBRATION OF THE GALVALIBS WAS PERFORMED DURING THIS COMMISSIONING. ALUMINUM AND IRON ARE MEASURED IN SOLUBLE CONTENT AND THEREFORE REACT IN OPPOSITE MANNER, AS THE SOLUBILITY DYNAMICS PREDICT. THE GALVALIBS SHOWS BETTER REPRODUCIBILITY THAN THE LAB SAMPLES.

1 month of uninterrupted GALVALIBS readings compared with lab AA sample results using DEAL software

