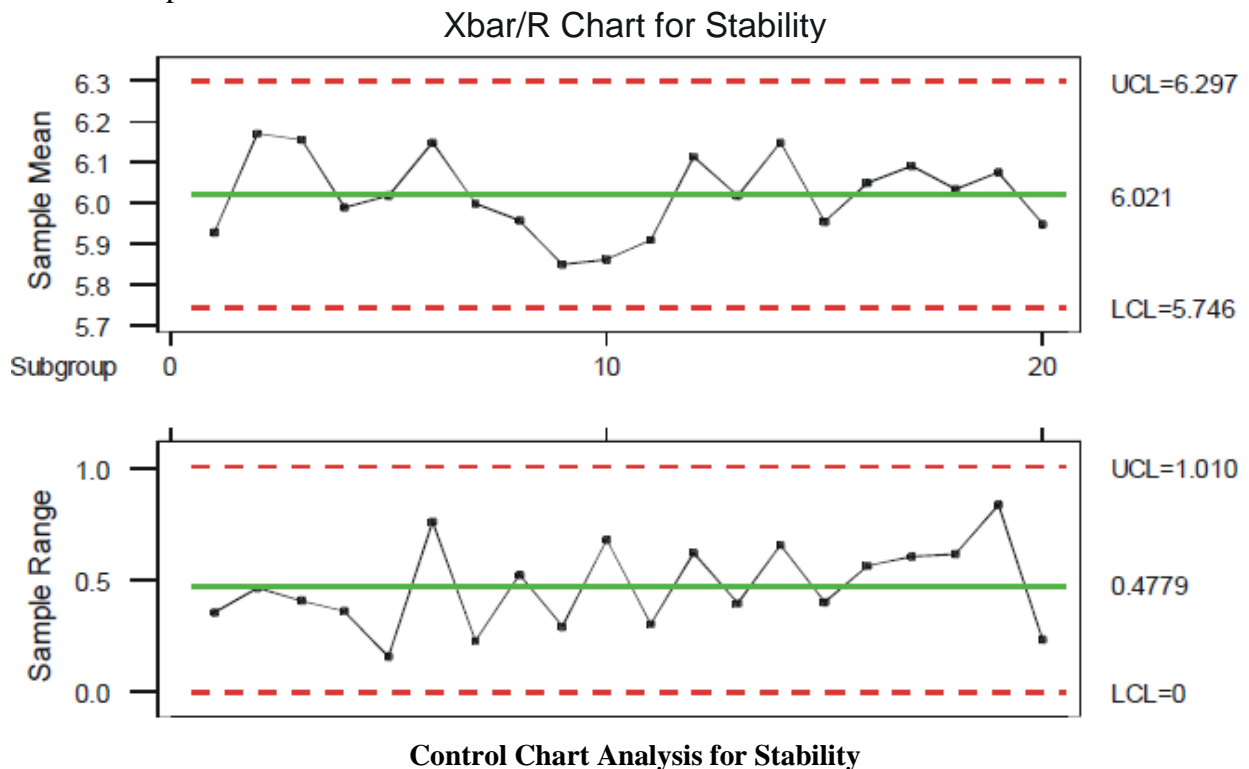


## Example – Stability

To determine if the stability of a new measurement instrument was acceptable, the process team selected a part near the middle of the range of the production process. This part was sent to the measurement lab to determine the reference value which is 6.01. The team measured this part 5 times once a shift for four weeks (20 subgroups). After all the data were collected,  $\bar{X}$  &  $R$  charts were developed



Analysis of the control charts indicates that the measurement process is stable since there are no obvious special cause effects visible.