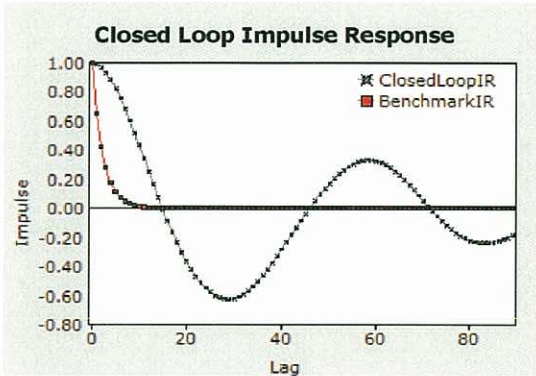


Feedforward Loop Analysis

TC1131_P1, Dyer Exit Temperature, Unit_2

2004-07-31 12:09 to 2004-07-31 15:09

RPI: 0.11 Osc. Index: 0.78 Stiction: 0.00
Stiction (%): 0.00 Period (min): 58.00 Max Allowed: 1.00

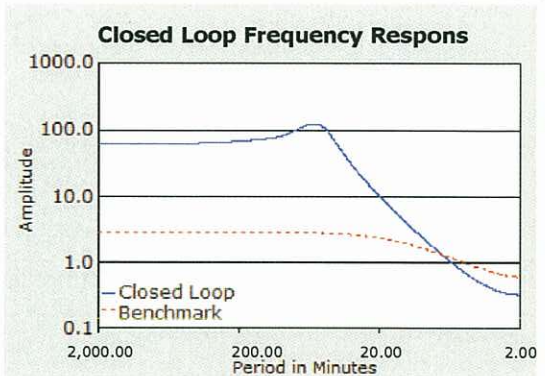


Analysis Reliability

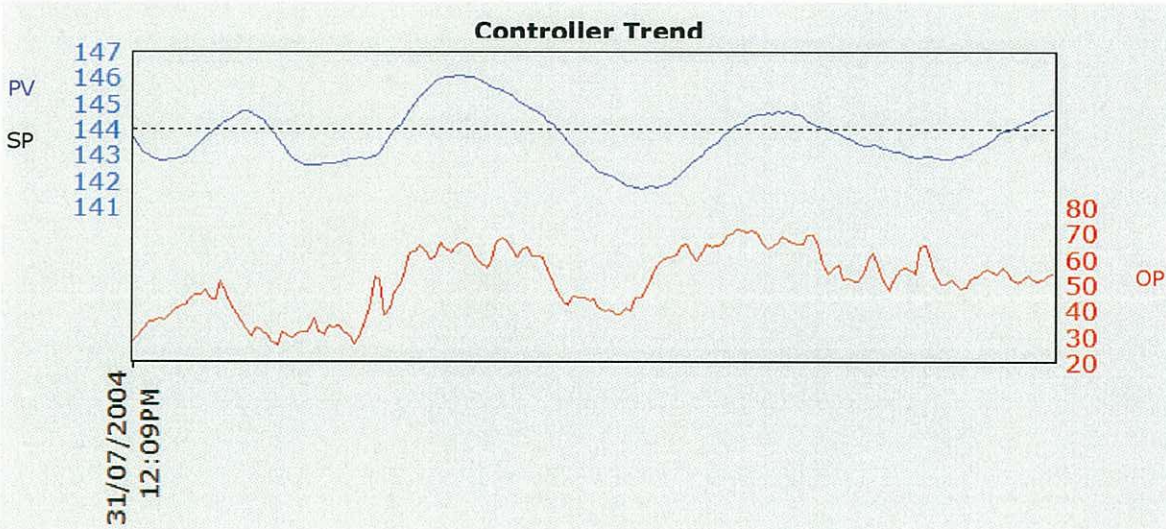
Samples Requested: 181
 Samples Analyzed: 181
 Sample Period (s): 60.0
 Saturation (%): 0.00
 Service Factor (%): 100.00
 Compression Factor: 1.05

Time in Mode (%)

Auto: 100.00

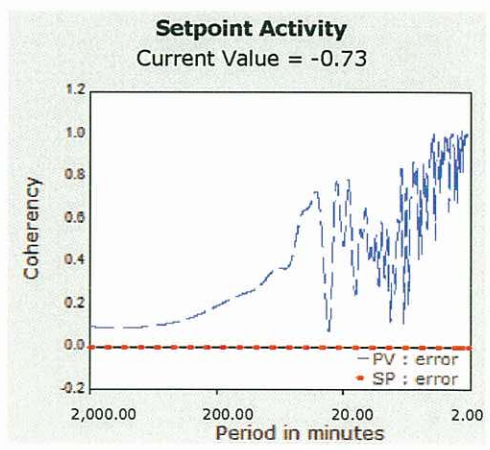
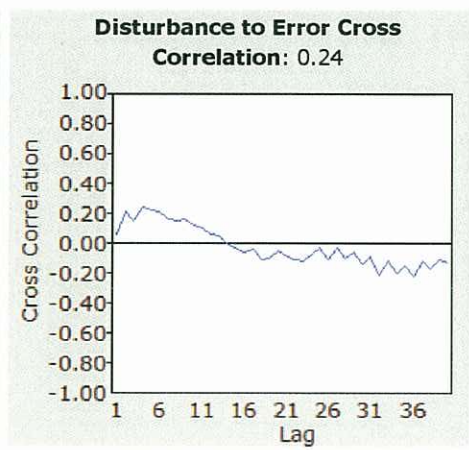
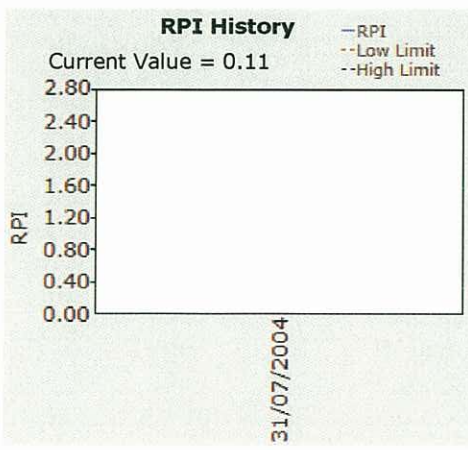


Loop did not settle Rise Time: 16.0 min Time Delay: 60 s



| | Avg. | Std. Dev. |
|-------|--------|-----------|
| PV | 143.71 | 1.07 |
| SP | 144.00 | 0.00 |
| Error | -0.29 | 1.07 |
| OP | 51.39 | 12.22 |

Statistics are only calculated for the period when the controller is active.



evidence of FF causing disturbance