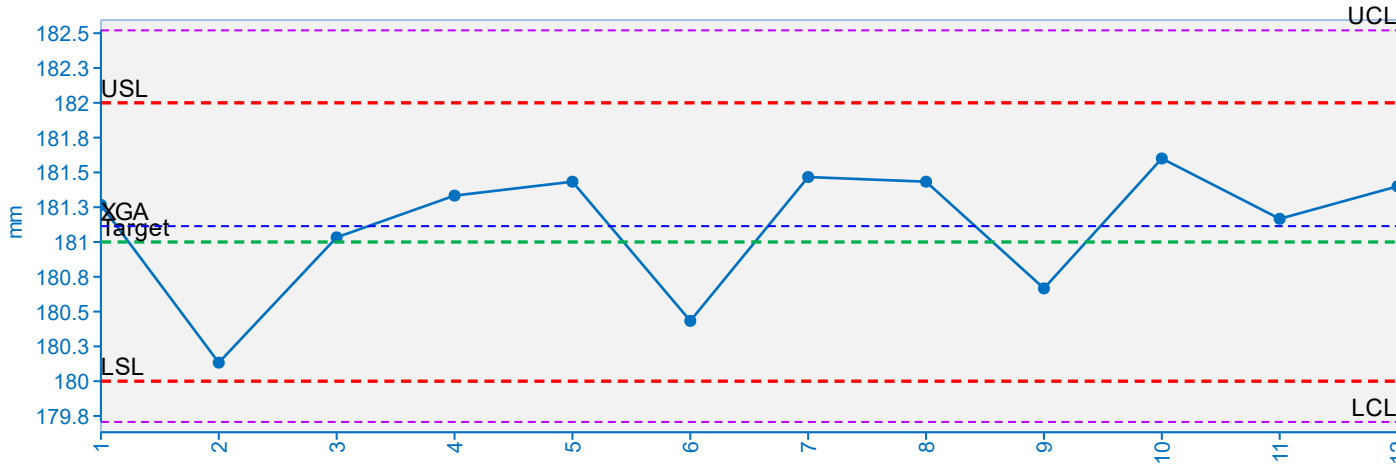




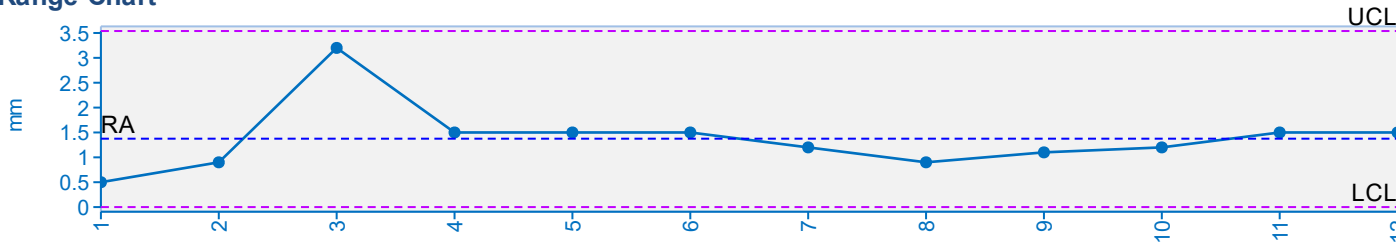
SPC Report - Tube Height (mm)

09/04/2018 09:00:00 to 09/04/2018 12:00:00

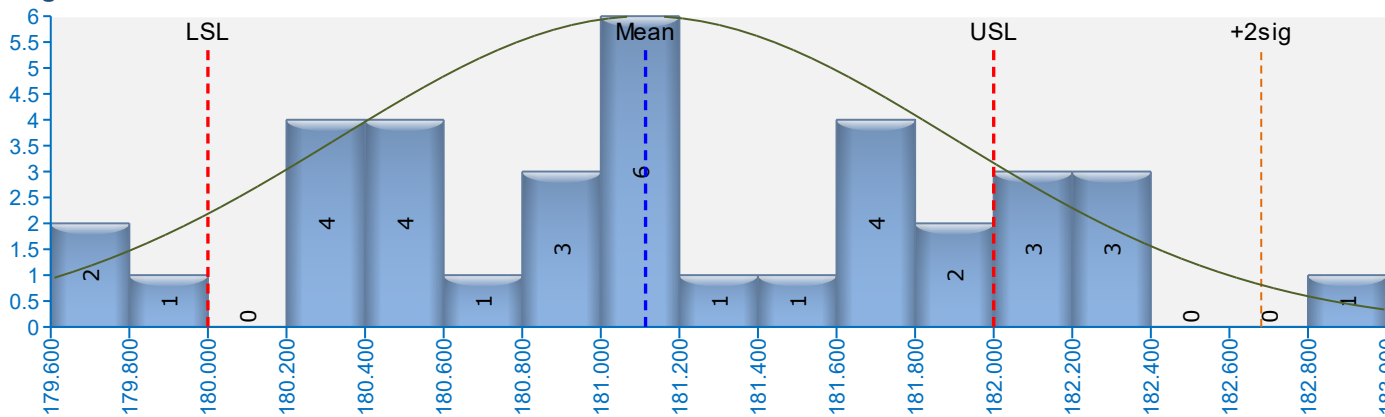
X-Bar Chart



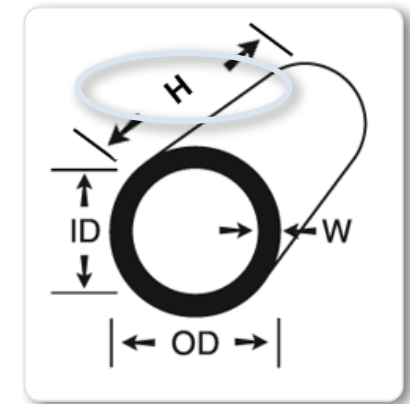
Range Chart



Histogram



SPC Calculations	
Grand Average	181.114
Range Average	1.375
X-Bar UCL	182.521
X-Bar LCL	179.707
R-Chart UCL	3.539
R-Chart LCL	0.000
Cp	0.565
Cpk	0.501
-1 Sigma	180.645
+1 Sigma	181.583
-2 Sigma	180.176
+2 Sigma	182.052
-3 Sigma	179.707
+3 Sigma	182.521





SPC Report - Tube Height (mm)

SPC Samples

Sample	Measurements	Average	Range	Std Dev		
1	181.600	181.100	181.100	181.267	0.500	0.236
2	179.600	180.300	180.500	180.133	0.900	0.386
3	180.500	179.700	182.900	181.033	3.200	1.360
4	182.200	180.700	181.100	181.333	1.500	0.634
5	181.800	182.000	180.500	181.433	1.500	0.665
6	181.300	179.800	180.200	180.433	1.500	0.634
7	182.000	180.800	181.600	181.467	1.200	0.499
8	181.800	181.600	180.900	181.433	0.900	0.386
9	180.300	181.400	180.300	180.667	1.100	0.519
10	182.200	181.600	181.000	181.600	1.200	0.490
11	182.000	181.000	180.500	181.167	1.500	0.624
12	181.100	180.800	182.300	181.400	1.500	0.648

Histogram Table

Data Range	Frequency
179.6 - 179.8	2
179.8 - 180.0	1
180.0 - 180.2	0
180.2 - 180.4	4
180.4 - 180.6	4
180.6 - 180.8	1
180.8 - 181.0	3
181.0 - 181.2	6
181.2 - 181.4	1
181.4 - 181.6	1
181.6 - 181.8	4
181.8 - 182.0	2
182.0 - 182.2	3
182.2 - 182.4	3
182.4 - 182.6	0
182.6 - 182.8	0
182.8 - 183.0	1