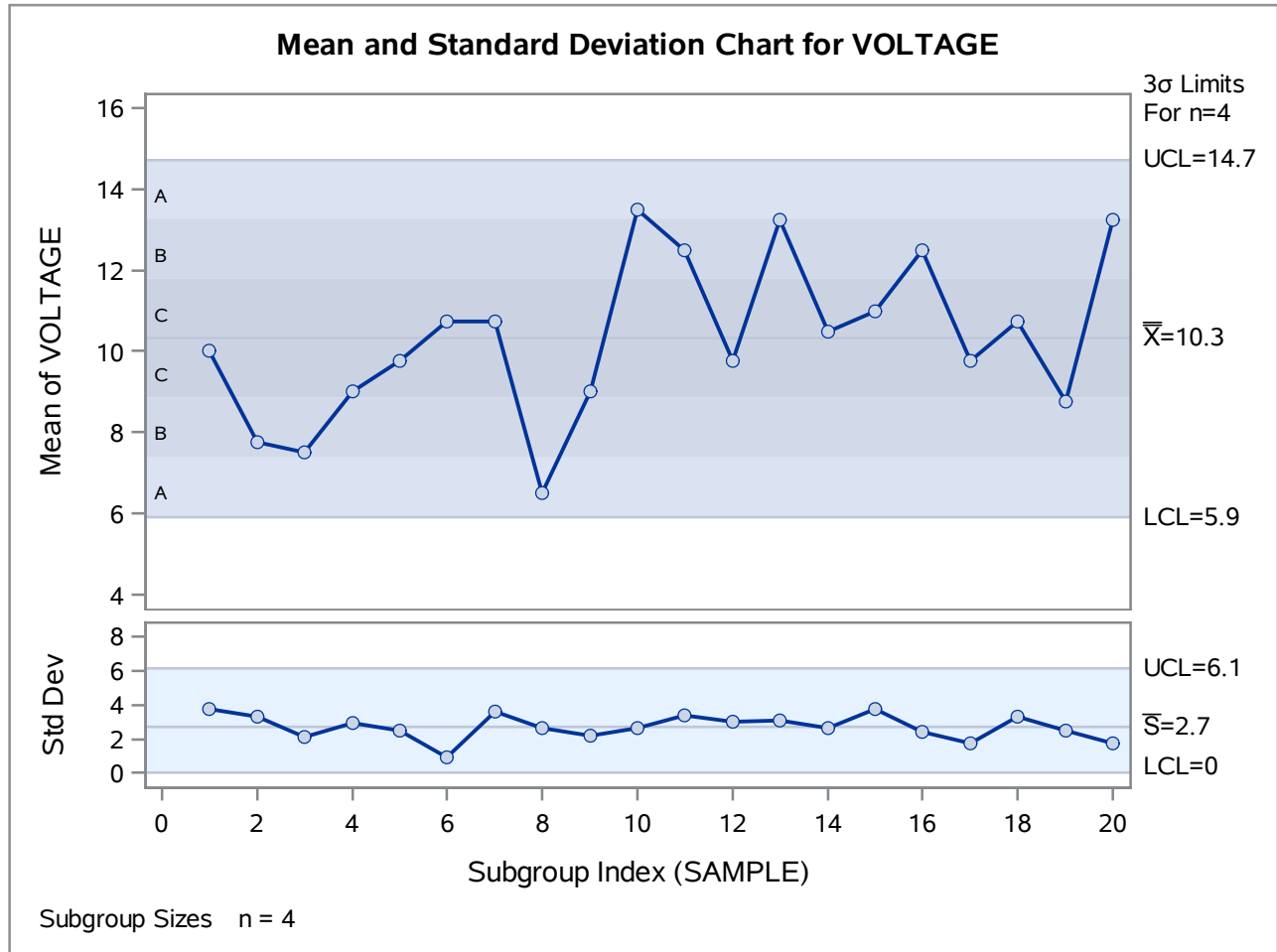


XBAR and S Charts (Unknown MU and SIGMA)

The SHEWHART Procedure

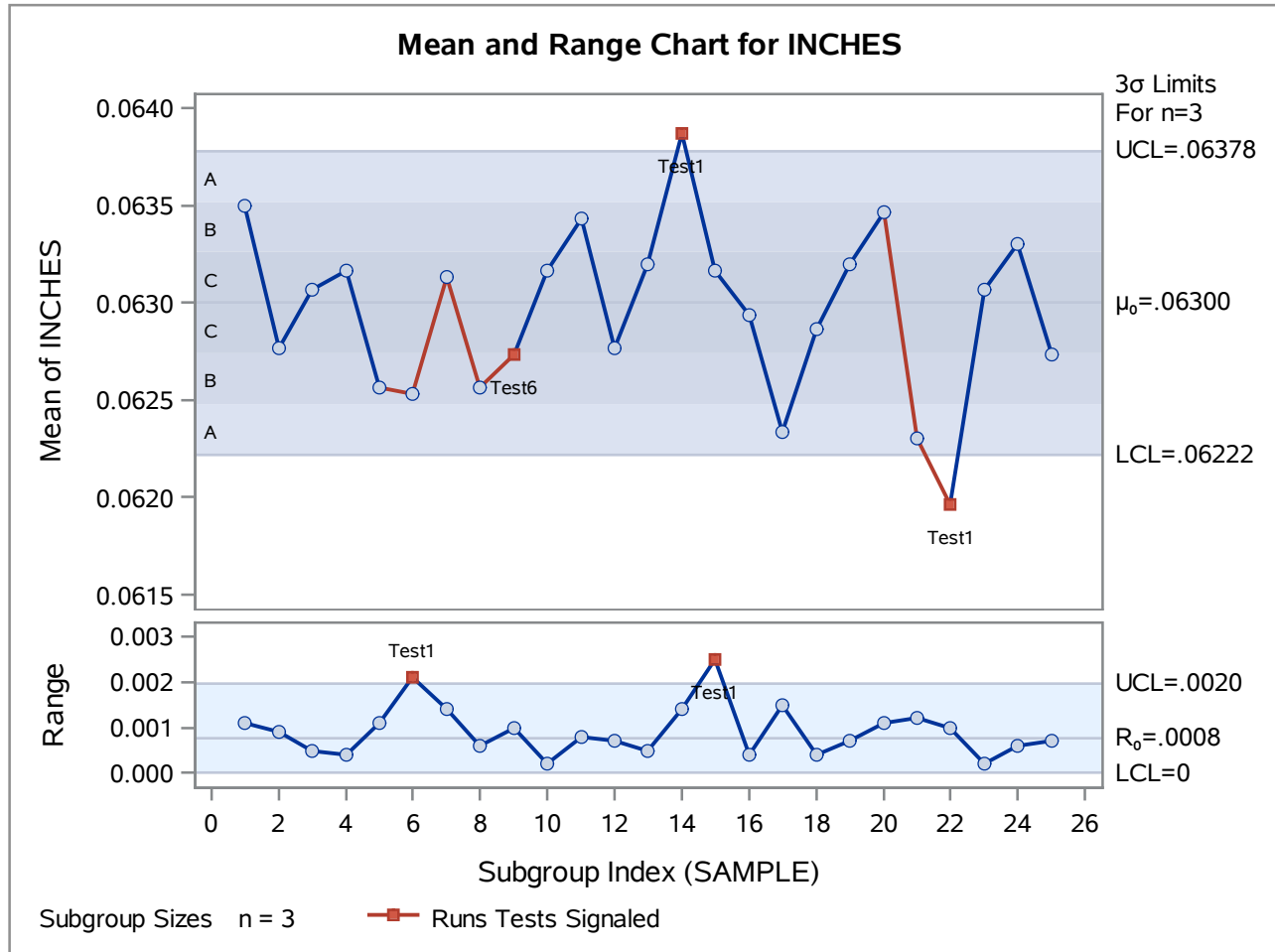


XBAR and S Charts (Unknown MU and SIGMA)**The SHEWHART Procedure**

Means and Standard Deviations Chart Summary for VOLTAGE									
SAMPLE	Subgroup Sample Size	3 Sigma Limits with n=4 for Mean			Special Tests Signaled	3 Sigma Limits with n=4 for Std Dev			Special Tests Signaled
		Lower Limit	Subgroup Mean	Upper Limit		Lower Limit	Subgroup Std Dev	Upper Limit	
1	4	5.9242843	10.000000	14.725716		0	3.7416574	6.1250610	
2	4	5.9242843	7.750000	14.725716		0	3.3040379	6.1250610	
3	4	5.9242843	7.500000	14.725716		0	2.0816660	6.1250610	
4	4	5.9242843	9.000000	14.725716		0	2.9439203	6.1250610	
5	4	5.9242843	9.750000	14.725716		0	2.5000000	6.1250610	
6	4	5.9242843	10.750000	14.725716		0	0.9574271	6.1250610	
7	4	5.9242843	10.750000	14.725716		0	3.5939764	6.1250610	
8	4	5.9242843	6.500000	14.725716		0	2.6457513	6.1250610	
9	4	5.9242843	9.000000	14.725716		0	2.1602469	6.1250610	
10	4	5.9242843	13.500000	14.725716		0	2.6457513	6.1250610	
11	4	5.9242843	12.500000	14.725716		0	3.4156503	6.1250610	
12	4	5.9242843	9.750000	14.725716		0	2.9860788	6.1250610	
13	4	5.9242843	13.250000	14.725716		0	3.0956959	6.1250610	
14	4	5.9242843	10.500000	14.725716		0	2.6457513	6.1250610	
15	4	5.9242843	11.000000	14.725716		0	3.7416574	6.1250610	
16	4	5.9242843	12.500000	14.725716		0	2.3804761	6.1250610	
17	4	5.9242843	9.750000	14.725716		0	1.7078251	6.1250610	
18	4	5.9242843	10.750000	14.725716		0	3.3040379	6.1250610	
19	4	5.9242843	8.750000	14.725716		0	2.5000000	6.1250610	
20	4	5.9242843	13.250000	14.725716		0	1.7078251	6.1250610	

XBAR and RANGE Charts (Unknown MU and SIGMA)

The SHEWHART Procedure

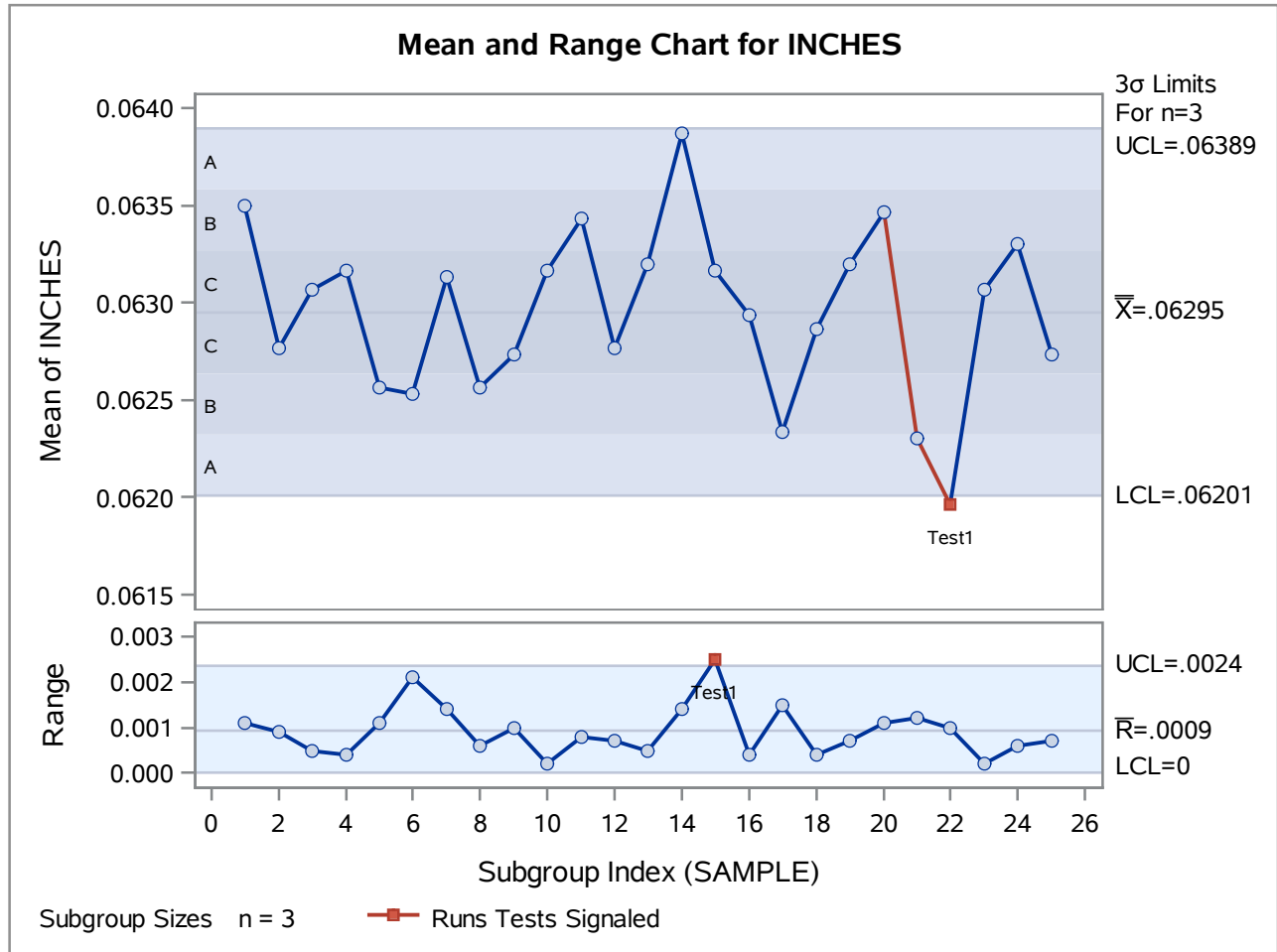


XBAR and RANGE Charts (Unknown MU and SIGMA)**The SHEWHART Procedure**

Means and Ranges Chart Summary for INCHES									
SAMPLE	Subgroup Sample Size	3 Sigma Limits with n=3 for Mean			Special Tests Signaled	3 Sigma Limits with n=3 for Range			Special Tests Signaled
		Lower Limit	Subgroup Mean	Upper Limit		Lower Limit	Subgroup Range	Upper Limit	
1	3	0.06222058	0.06350000	0.06377942		0	0.00110000	0.00196095	
2	3	0.06222058	0.06276667	0.06377942		0	0.00090000	0.00196095	
3	3	0.06222058	0.06306667	0.06377942		0	0.00050000	0.00196095	
4	3	0.06222058	0.06316667	0.06377942		0	0.00040000	0.00196095	
5	3	0.06222058	0.06256667	0.06377942		0	0.00110000	0.00196095	
6	3	0.06222058	0.06253333	0.06377942		0	0.00210000	0.00196095	1
7	3	0.06222058	0.06313333	0.06377942		0	0.00140000	0.00196095	
8	3	0.06222058	0.06256667	0.06377942		0	0.00060000	0.00196095	
9	3	0.06222058	0.06273333	0.06377942	6	0	0.00100000	0.00196095	
10	3	0.06222058	0.06316667	0.06377942		0	0.00020000	0.00196095	
11	3	0.06222058	0.06343333	0.06377942		0	0.00080000	0.00196095	
12	3	0.06222058	0.06276667	0.06377942		0	0.00070000	0.00196095	
13	3	0.06222058	0.06320000	0.06377942		0	0.00050000	0.00196095	
14	3	0.06222058	0.06386667	0.06377942	1	0	0.00140000	0.00196095	
15	3	0.06222058	0.06316667	0.06377942		0	0.00250000	0.00196095	1
16	3	0.06222058	0.06293333	0.06377942		0	0.00040000	0.00196095	
17	3	0.06222058	0.06233333	0.06377942		0	0.00150000	0.00196095	
18	3	0.06222058	0.06286667	0.06377942		0	0.00040000	0.00196095	
19	3	0.06222058	0.06320000	0.06377942		0	0.00070000	0.00196095	
20	3	0.06222058	0.06346667	0.06377942		0	0.00110000	0.00196095	
21	3	0.06222058	0.06230000	0.06377942		0	0.00120000	0.00196095	
22	3	0.06222058	0.06196667	0.06377942	1 5	0	0.00100000	0.00196095	
23	3	0.06222058	0.06306667	0.06377942		0	0.00020000	0.00196095	
24	3	0.06222058	0.06330000	0.06377942		0	0.00060000	0.00196095	
25	3	0.06222058	0.06273333	0.06377942		0	0.00070000	0.00196095	

XBAR and RANGE Charts (Unknown MU and SIGMA)

The SHEWHART Procedure



XBAR and RANGE Charts (Unknown MU and SIGMA)**The SHEWHART Procedure**

Means and Ranges Chart Summary for INCHES									
SAMPLE	Subgroup Sample Size	3 Sigma Limits with n=3 for Mean			Special Tests Signaled	3 Sigma Limits with n=3 for Range			Special Tests Signaled
		Lower Limit	Subgroup Mean	Upper Limit		Lower Limit	Subgroup Range	Upper Limit	
1	3	0.06201054	0.06350000	0.06389346		0	0.00110000	0.00236862	
2	3	0.06201054	0.06276667	0.06389346		0	0.00090000	0.00236862	
3	3	0.06201054	0.06306667	0.06389346		0	0.00050000	0.00236862	
4	3	0.06201054	0.06316667	0.06389346		0	0.00040000	0.00236862	
5	3	0.06201054	0.06256667	0.06389346		0	0.00110000	0.00236862	
6	3	0.06201054	0.06253333	0.06389346		0	0.00210000	0.00236862	
7	3	0.06201054	0.06313333	0.06389346		0	0.00140000	0.00236862	
8	3	0.06201054	0.06256667	0.06389346		0	0.00060000	0.00236862	
9	3	0.06201054	0.06273333	0.06389346		0	0.00100000	0.00236862	
10	3	0.06201054	0.06316667	0.06389346		0	0.00020000	0.00236862	
11	3	0.06201054	0.06343333	0.06389346		0	0.00080000	0.00236862	
12	3	0.06201054	0.06276667	0.06389346		0	0.00070000	0.00236862	
13	3	0.06201054	0.06320000	0.06389346		0	0.00050000	0.00236862	
14	3	0.06201054	0.06386667	0.06389346		0	0.00140000	0.00236862	
15	3	0.06201054	0.06316667	0.06389346		0	0.00250000	0.00236862	1
16	3	0.06201054	0.06293333	0.06389346		0	0.00040000	0.00236862	
17	3	0.06201054	0.06233333	0.06389346		0	0.00150000	0.00236862	
18	3	0.06201054	0.06286667	0.06389346		0	0.00040000	0.00236862	
19	3	0.06201054	0.06320000	0.06389346		0	0.00070000	0.00236862	
20	3	0.06201054	0.06346667	0.06389346		0	0.00110000	0.00236862	
21	3	0.06201054	0.06230000	0.06389346		0	0.00120000	0.00236862	
22	3	0.06201054	0.06196667	0.06389346	1 5	0	0.00100000	0.00236862	
23	3	0.06201054	0.06306667	0.06389346		0	0.00020000	0.00236862	
24	3	0.06201054	0.06330000	0.06389346		0	0.00060000	0.00236862	
25	3	0.06201054	0.06273333	0.06389346		0	0.00070000	0.00236862	