Set1	Min	Grubb's Test		F-test	Set 2
12.45	2.576242909	Significant outlier			14.41
16.38	Max	Z=2,29	set 1	0.91601944	15.1
17.77	0.640528401		Set 2	1.75291429	15.11
18.1			F	1.91362126	15.46
18.85			F critical	5.59962301	16.84
19					16.99
19.1			H0 is accepted		18.1
19.12					
19.15					
19.28					

SET1	Set 2			N
16.38	14.41			Average
17.77	15.1			Variance
18.1	15.11			
18.85	15.46	T test		
19	16.84	DOF		14
19.1	16.99	Sp		1.27468866
19.12	18.1	T		4.4401905
19.15		T crit		2.14478669
19.28		H0 is rejected		

min	Grubb's Test
0.67329627	no significant outlier
max	Z=2,02
1.58505164	

9	7
18.5277778	16.0014286
0.91601944	1.75291429

$$T = \frac{\bar{Y}_1 - \bar{Y}_2}{\sqrt{s_1^2/N_1 + s_2^2/N_2}}$$

$$\upsilon = \frac{(s_1^2/N_1 + s_2^2/N_2)^2}{(s_1^2/N_1)^2/(N_1 - 1) + (s_2^2/N_2)}$$

where N_1 and N_2 are the sample sizes, $\bar{Y}_1$ ar
s_2^2 are the sample variances.

If equal variances are assumed, then

$$T = \frac{\bar{Y}_1 - \bar{Y}_2}{s_p\sqrt{1/N_1 + 1/N_2}} \qquad s_p^2 = \frac{(N}$$

$$\upsilon = N_1 + N_2 - 2$$

$$\overline{)^2/(N_2-1)}$$

nd $\bar{Y}_2$ are the sample means, and s_1^2 and

$$\frac{N_1-1)s_1^2+(N_2-1)s_2^2}{N_1+N_2-2}$$