2013-09-23

**International Cotton Advisory Committee**

# CSITC
# Global - Round Trial 2013 - 3
## General Evaluation

**Section One: Result Distribution**
Section Two: Instrument Evaluation
Section Three: Within Limits Evaluation

Section One: Result Distribution

Content:

Mandatory Parameters
- -Summary Table
- -Distribution Graphs

Optional Parameters
- -Summary Table
- -Distribution Graphs

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System Provided by:
Generation 10 Limited

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which benefitted from support from the Common Fund for Commodities
and the European Union, partners in Commodity Development.

** Faserinstitut Bremen are a Cooperation Partner with ICA Bremen*

# Global - Round Trial 2013 - 3

Inter-Instrument Averages, Inter-Instrument Variations, Typical within-instrument Variations

| Micronaire | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 5.239 | 5.045 | 3.098 | 4.229 | |
| **Reference Values for Evaluation** | | | 5.239 | 5.045 | 3.098 | 4.229 | |
| **Number Of Instruments** | | | 147 | 147 | 147 | 147 | **147** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.063 | 0.053 | 0.056 | 0.050 | **0.055** |
| | | CV % | 1.2 | 1.0 | 1.8 | 1.2 | **1.3** |
| | based on 6 tests | SD | 0.069 | 0.061 | 0.059 | 0.057 | **0.062** |
| | | CV % | 1.3 | 1.2 | 1.9 | 1.3 | **1.4** |
| | based on single tests | SD | 0.082 | 0.070 | 0.072 | 0.066 | **0.073** |
| | | CV % | 1.6 | 1.4 | 2.3 | 1.6 | **1.7** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.026 | 0.025 | 0.022 | 0.022 | **0.024** |
| | | CV % | 0.5 | 0.5 | 0.7 | 0.5 | **0.6** |
| | between single tests on one day | SD | 0.036 | 0.038 | 0.034 | 0.032 | **0.035** |
| | | CV % | 0.7 | 0.7 | 1.1 | 0.7 | **0.8** |
| | between all tests on different days | SD | 0.044 | 0.046 | 0.043 | 0.041 | **0.044** |
| | | CV % | 0.8 | 0.9 | 1.4 | 1.0 | **1.0** |

| Strength | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 27.023 | 29.447 | 29.365 | 33.487 | |
| **Reference Values for Evaluation** | | | 27.023 | 29.447 | 29.365 | 33.487 | |
| **Number Of Instruments** | | | 148 | 148 | 148 | 148 | **148** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.920 | 0.844 | 0.846 | 0.707 | **0.829** |
| | | CV % | 3.4 | 2.9 | 2.9 | 2.1 | **2.8** |
| | based on 6 tests | SD | 0.840 | 0.890 | 0.949 | 0.859 | **0.884** |
| | | CV % | 3.1 | 3.0 | 3.2 | 2.6 | **3.0** |
| | based on single tests | SD | 1.067 | 1.114 | 1.132 | 1.023 | **1.084** |
| | | CV % | 3.9 | 3.8 | 3.9 | 3.1 | **3.7** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.302 | 0.314 | 0.344 | 0.351 | **0.328** |
| | | CV % | 1.1 | 1.1 | 1.2 | 1.0 | **1.1** |
| | between single tests on one day | SD | 0.528 | 0.509 | 0.547 | 0.565 | **0.537** |
| | | CV % | 2.0 | 1.7 | 1.9 | 1.7 | **1.8** |
| | between all tests on different days | SD | 0.613 | 0.601 | 0.624 | 0.675 | **0.628** |
| | | CV % | 2.3 | 2.0 | 2.1 | 2.0 | **2.1** |

| Length | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 1.0069 | 1.0791 | 1.1185 | 1.2134 | |
| **Reference Values for Evaluation** | | | 1.0069 | 1.0791 | 1.1185 | 1.2134 | |
| **Number Of Instruments** | | | 148 | 148 | 148 | 148 | **148** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.0129 | 0.0113 | 0.0100 | 0.0104 | **0.0112** |
| | | CV % | 1.3 | 1.1 | 0.9 | 0.9 | **1.0** |
| | based on 6 tests | SD | 0.0134 | 0.0129 | 0.0128 | 0.0124 | **0.0129** |
| | | CV % | 1.3 | 1.2 | 1.1 | 1.0 | **1.2** |
| | based on single tests | SD | 0.0169 | 0.0161 | 0.0161 | 0.0164 | **0.0164** |
| | | CV % | 1.7 | 1.5 | 1.4 | 1.4 | **1.5** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.0060 | 0.0050 | 0.0063 | 0.0052 | **0.0056** |
| | | CV % | 0.6 | 0.5 | 0.6 | 0.4 | **0.5** |
| | between single tests on one day | SD | 0.0105 | 0.0090 | 0.0101 | 0.0100 | **0.0099** |
| | | CV % | 1.0 | 0.8 | 0.9 | 0.8 | **0.9** |
| | between all tests on different days | SD | 0.0117 | 0.0104 | 0.0117 | 0.0115 | **0.0113** |
| | | CV % | 1.2 | 1.0 | 1.0 | 0.9 | **1.0** |

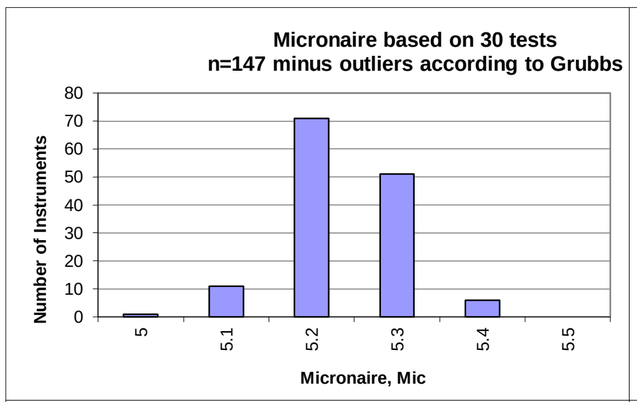
| Uniformity | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 79.572 | 83.307 | 81.066 | 83.913 | |
| **Reference Values for Evaluation** | | | 79.572 | 83.307 | 81.066 | 83.913 | |
| **Number Of Instruments** | | | 148 | 148 | 148 | 148 | **148** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.583 | 0.667 | 0.503 | 0.422 | **0.544** |
| | | CV % | 0.7 | 0.8 | 0.6 | 0.5 | **0.7** |
| | based on 6 tests | SD | 0.685 | 0.688 | 0.614 | 0.534 | **0.630** |
| | | CV % | 0.9 | 0.8 | 0.8 | 0.6 | **0.8** |
| | based on single tests | SD | 0.857 | 0.827 | 0.837 | 0.709 | **0.807** |
| | | CV % | 1.1 | 1.0 | 1.0 | 0.8 | **1.0** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.293 | 0.257 | 0.287 | 0.268 | **0.276** |
| | | CV % | 0.4 | 0.3 | 0.4 | 0.3 | **0.3** |
| | between single tests on one day | SD | 0.520 | 0.440 | 0.524 | 0.473 | **0.489** |
| | | CV % | 0.7 | 0.5 | 0.6 | 0.6 | **0.6** |
| | between all tests on different days | SD | 0.582 | 0.497 | 0.585 | 0.554 | **0.555** |
| | | CV % | 0.7 | 0.6 | 0.7 | 0.7 | **0.7** |

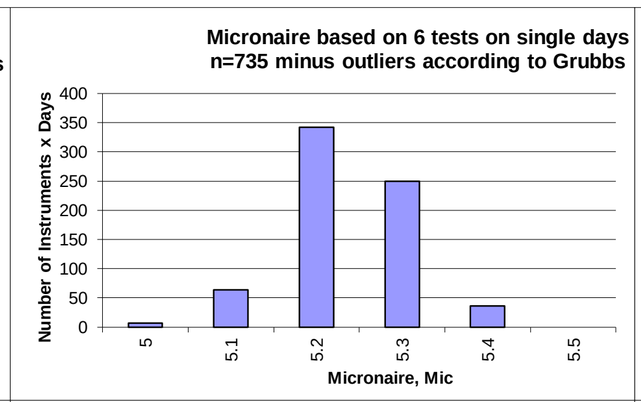
| Color Rd | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 79.742 | 73.644 | 75.719 | 79.197 | |
| **Reference Values for Evaluation** | | | 79.742 | 73.644 | 75.719 | 79.197 | |
| **Number Of Instruments** | | | 146 | 146 | 146 | 146 | **146** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.828 | 0.827 | 1.335 | 1.239 | **1.057** |
| | | CV % | 1.0 | 1.1 | 1.8 | 1.6 | **1.4** |
| | based on 6 tests | SD | 0.883 | 0.800 | 1.352 | 1.169 | **1.051** |
| | | CV % | 1.1 | 1.1 | 1.8 | 1.5 | **1.4** |
| | based on single tests | SD | 0.990 | 0.855 | 1.358 | 1.186 | **1.097** |
| | | CV % | 1.2 | 1.2 | 1.8 | 1.5 | **1.4** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.221 | 0.206 | 0.205 | 0.187 | **0.205** |
| | | CV % | 0.3 | 0.3 | 0.3 | 0.2 | **0.3** |
| | between single tests on one day | SD | 0.240 | 0.215 | 0.216 | 0.179 | **0.212** |
| | | CV % | 0.3 | 0.3 | 0.3 | 0.2 | **0.3** |
| | between all tests on different days | SD | 0.343 | 0.311 | 0.309 | 0.268 | **0.308** |
| | | CV % | 0.4 | 0.4 | 0.4 | 0.3 | **0.4** |

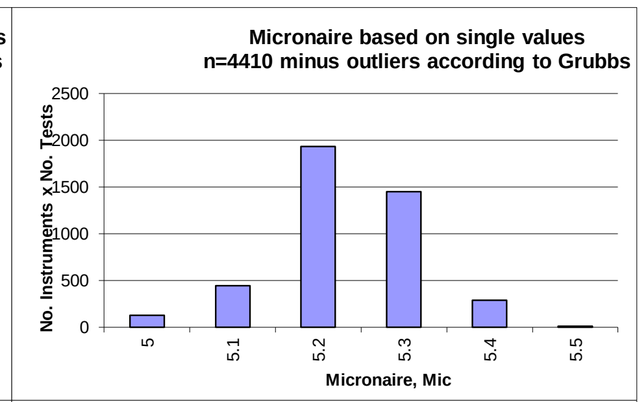
| Color +b | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 8.891 | 10.697 | 13.767 | 11.577 | |
| **Reference Values for Evaluation** | | | 8.891 | 10.697 | 13.767 | 11.577 | |
| **Number Of Instruments** | | | 146 | 146 | 146 | 146 | **146** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.381 | 0.326 | 0.422 | 0.321 | **0.363** |
| | | CV % | 4.3 | 3.1 | 3.1 | 2.8 | **3.3** |
| | based on 6 tests | SD | 0.391 | 0.357 | 0.435 | 0.340 | **0.381** |
| | | CV % | 4.4 | 3.3 | 3.2 | 2.9 | **3.5** |
| | based on single tests | SD | 0.417 | 0.376 | 0.463 | 0.378 | **0.409** |
| | | CV % | 4.7 | 3.5 | 3.4 | 3.3 | **3.7** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.112 | 0.109 | 0.117 | 0.115 | **0.113** |
| | | CV % | 1.3 | 1.0 | 0.8 | 1.0 | **1.0** |
| | between single tests on one day | SD | 0.116 | 0.101 | 0.122 | 0.108 | **0.112** |
| | | CV % | 1.3 | 0.9 | 0.9 | 0.9 | **1.0** |
| | between all tests on different days | SD | 0.178 | 0.153 | 0.180 | 0.171 | **0.171** |
| | | CV % | 2.0 | 1.4 | 1.3 | 1.5 | **1.6** |

Test Result Distributions
Micronaire

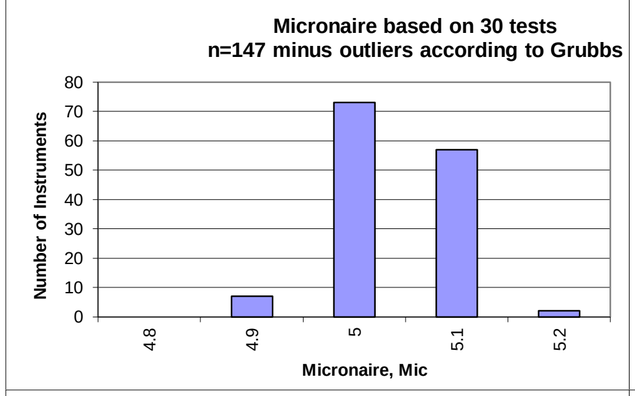
**Cotton 1**

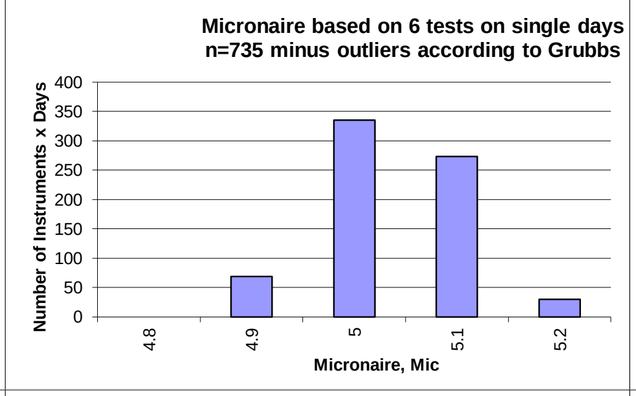


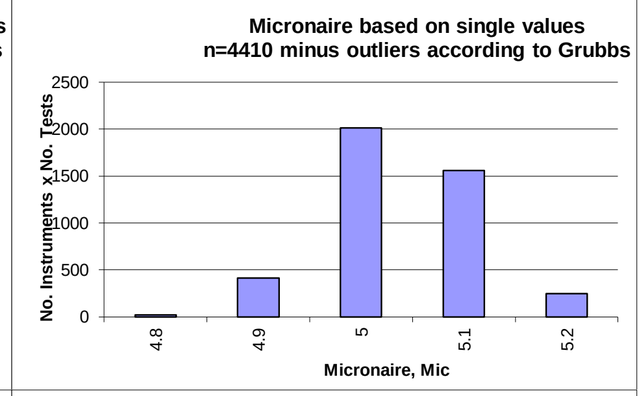



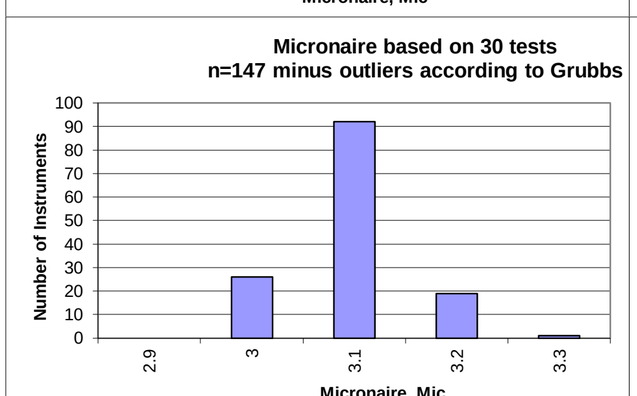

**Cotton 2**

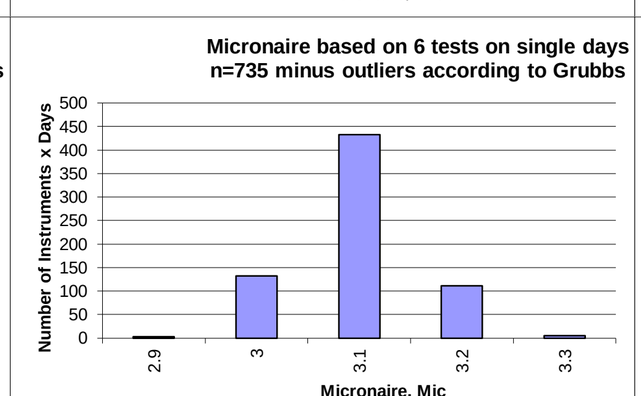


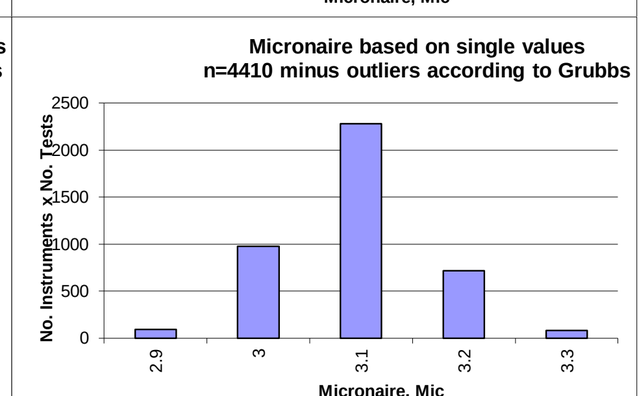



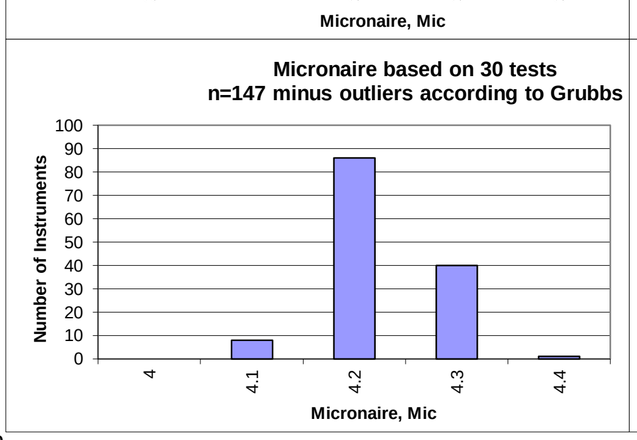

**Cotton 3**

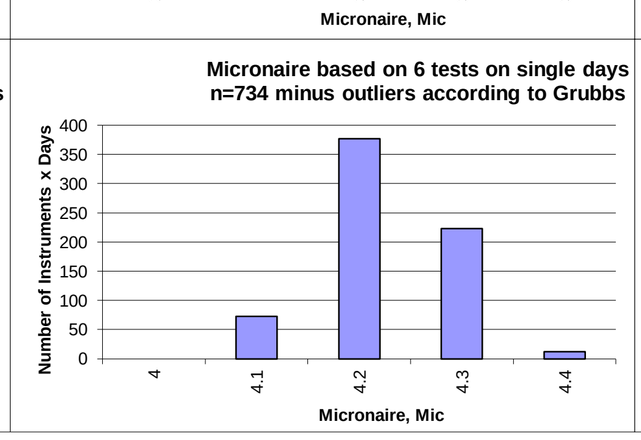


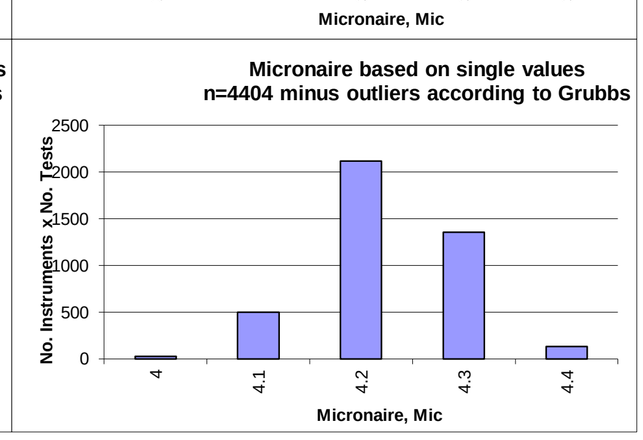




**Cotton 4**



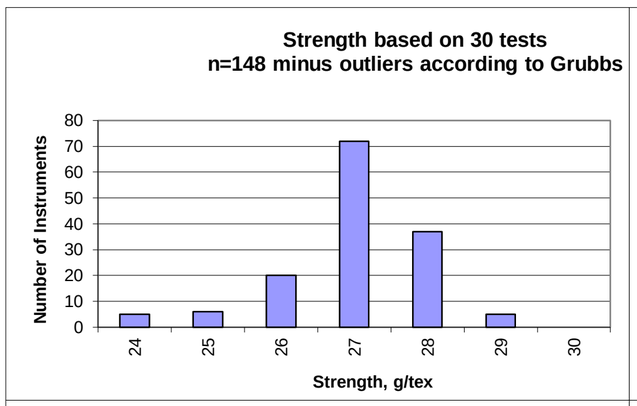



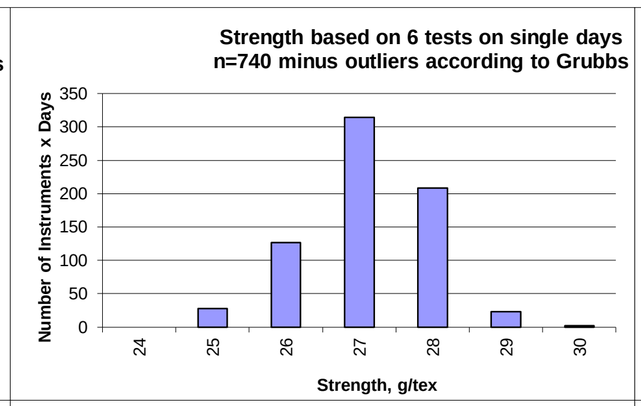

**0**

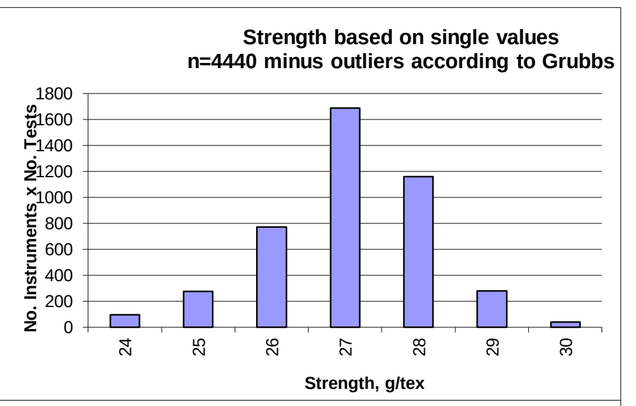
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method.)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Strength

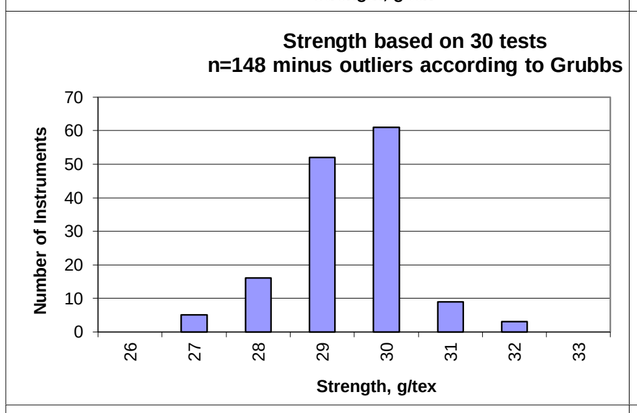
**Cotton 1**

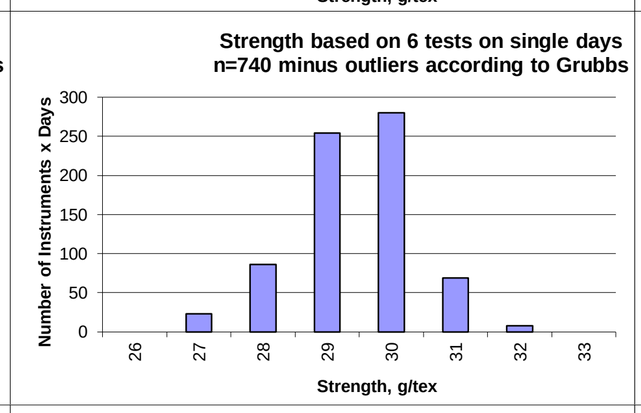


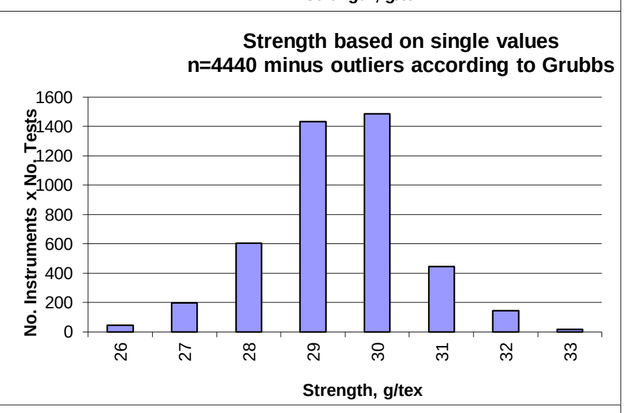



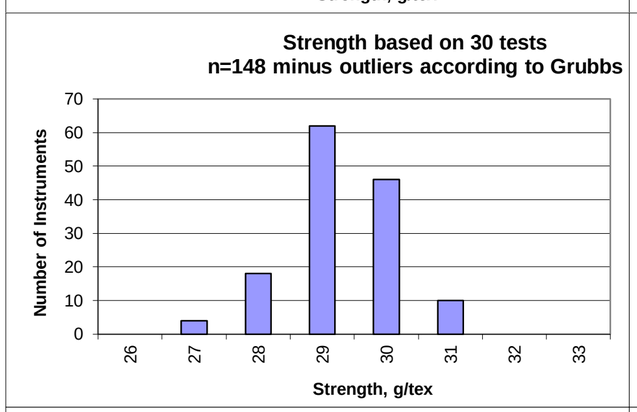

**Cotton 2**

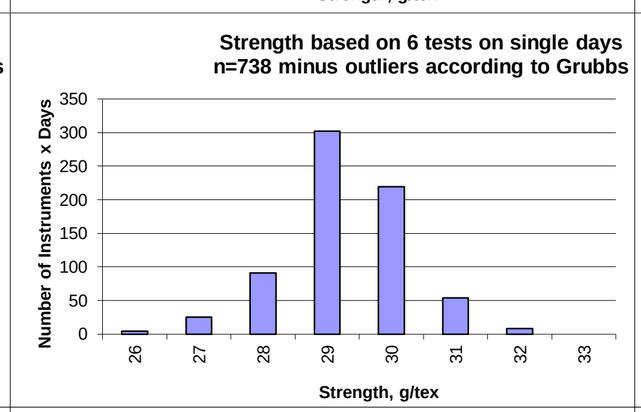


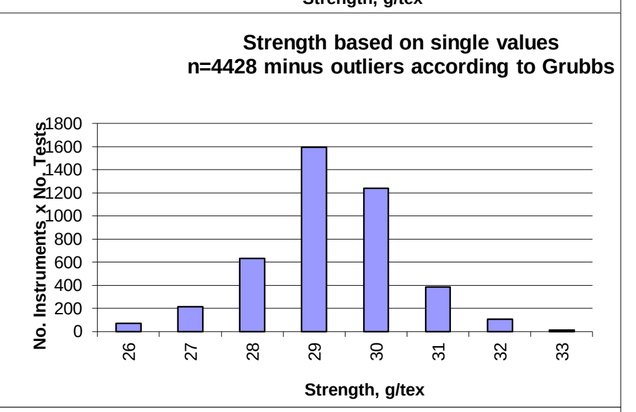



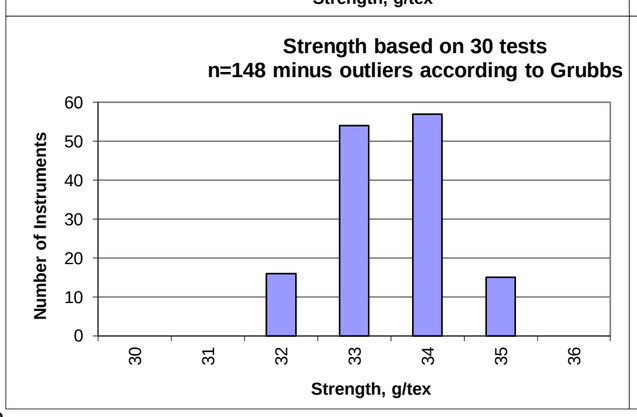

**Cotton 3**

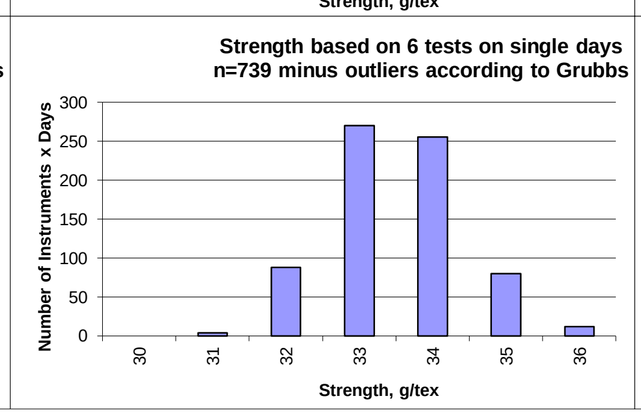


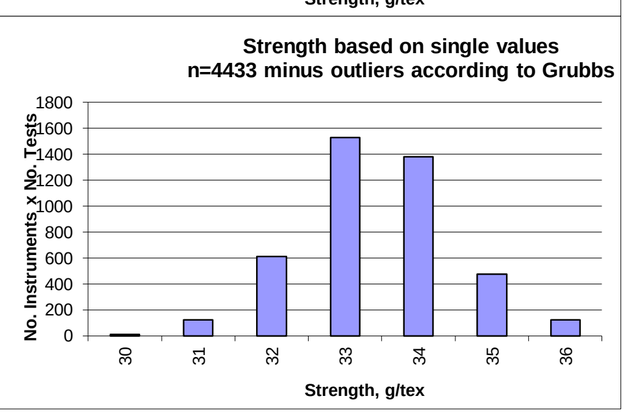




**Cotton 4**



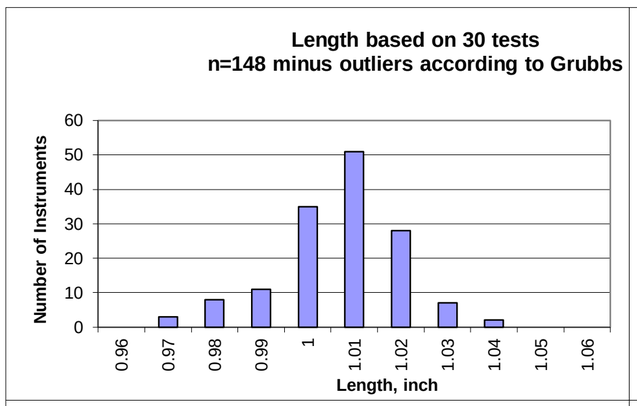



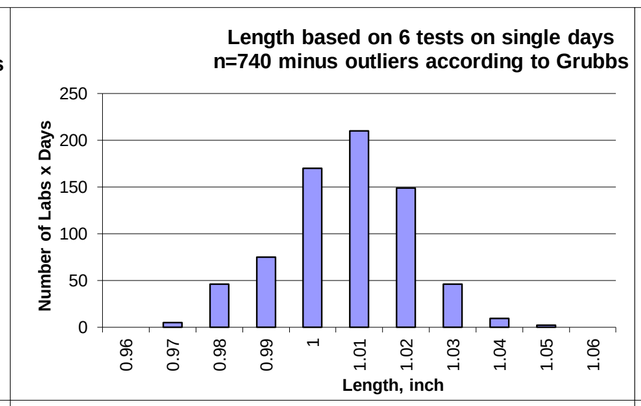

**0**

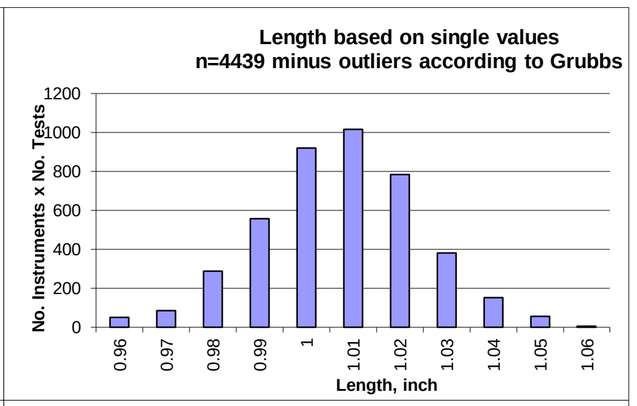
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Length

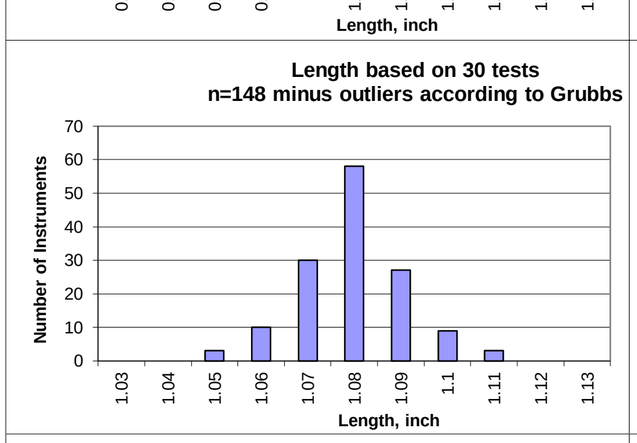
**Cotton 1**

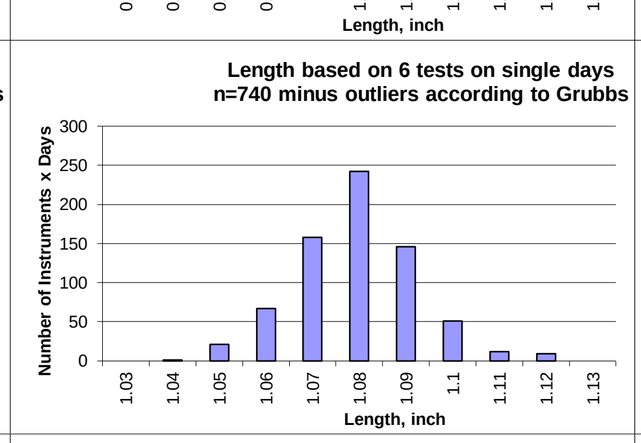


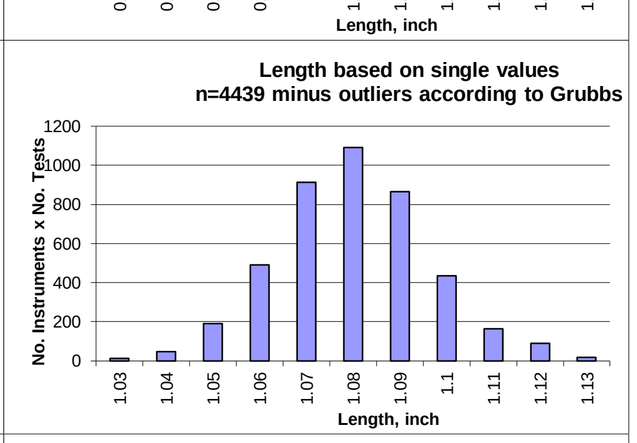



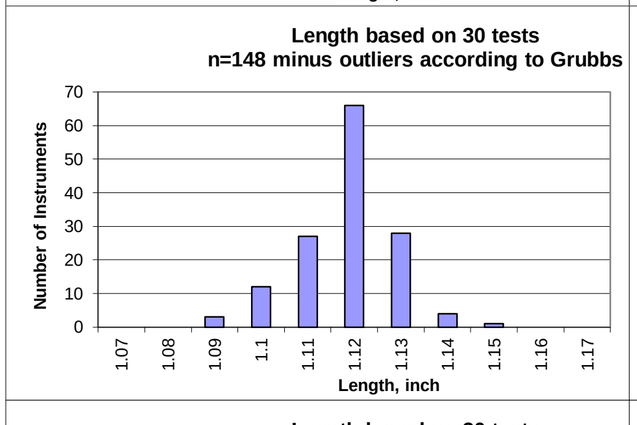

**Cotton 2**

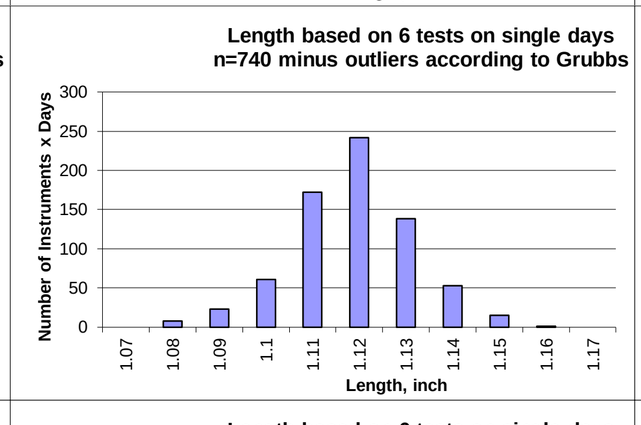


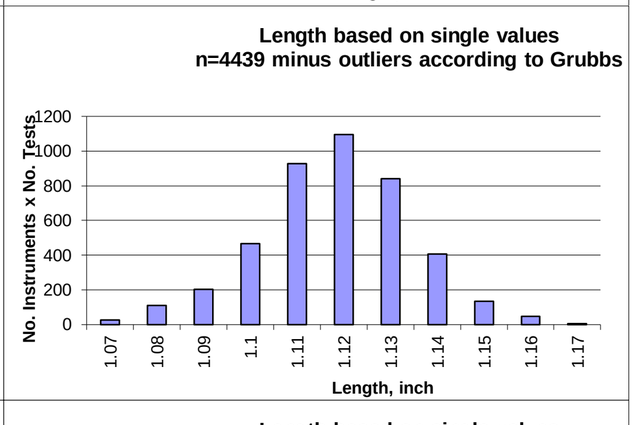



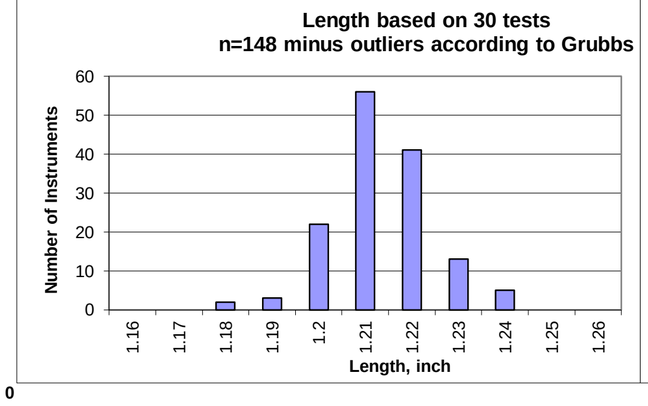

**Cotton 3**

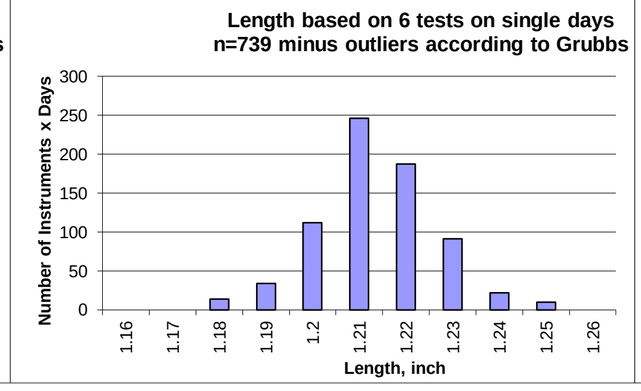


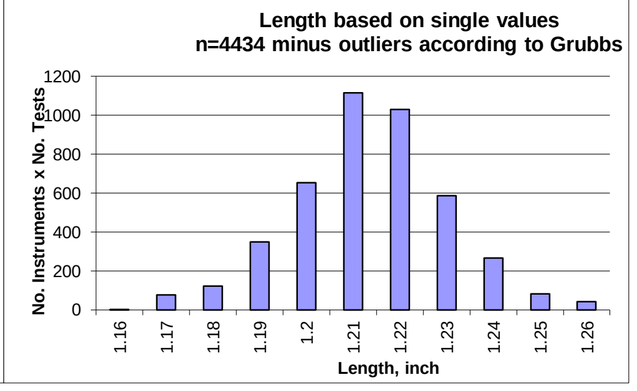




**Cotton 4**



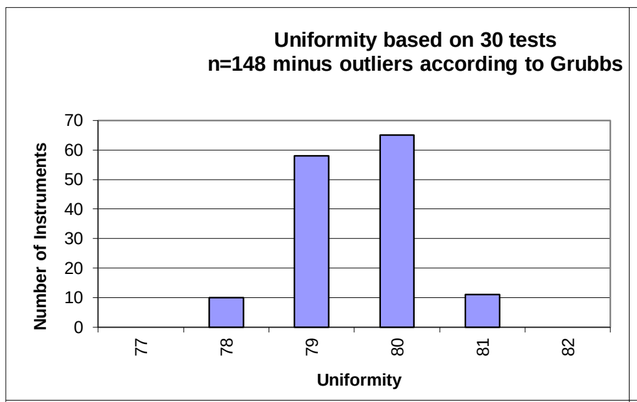



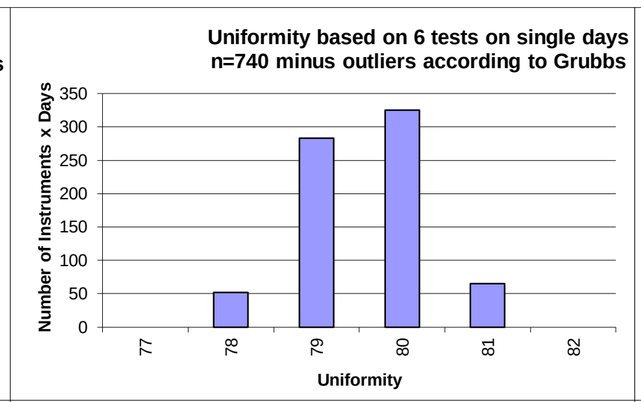

**0**

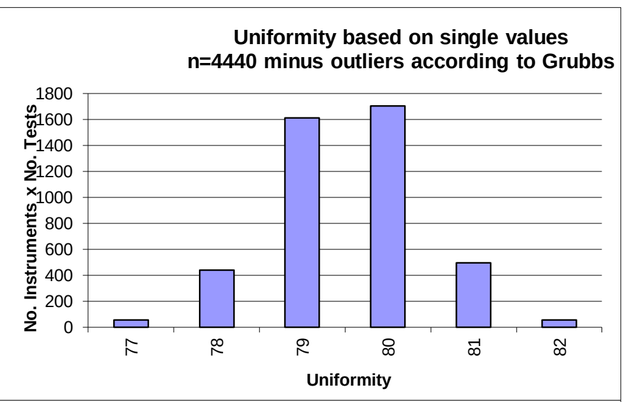
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Uniformity

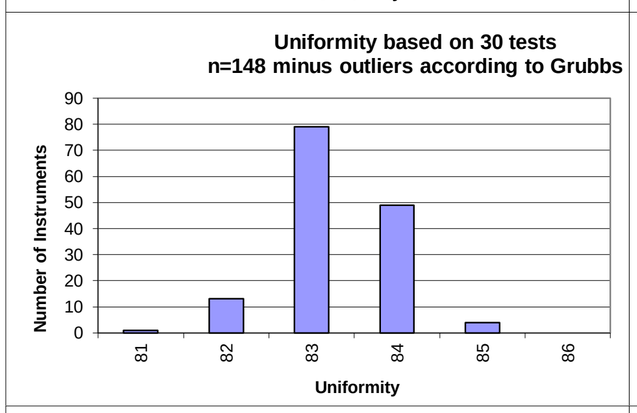
**Cotton 1**

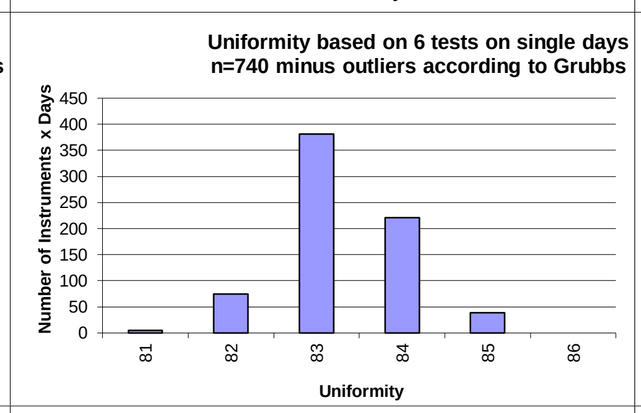


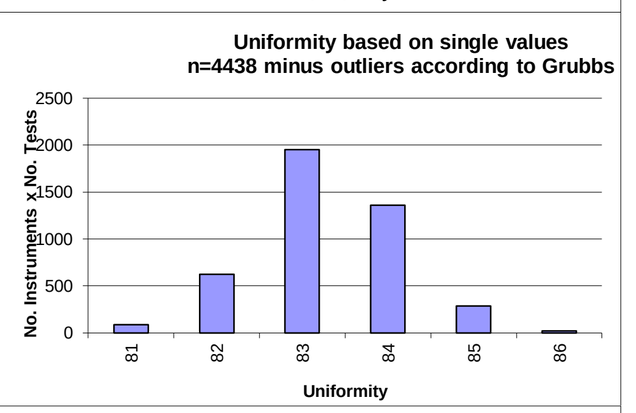



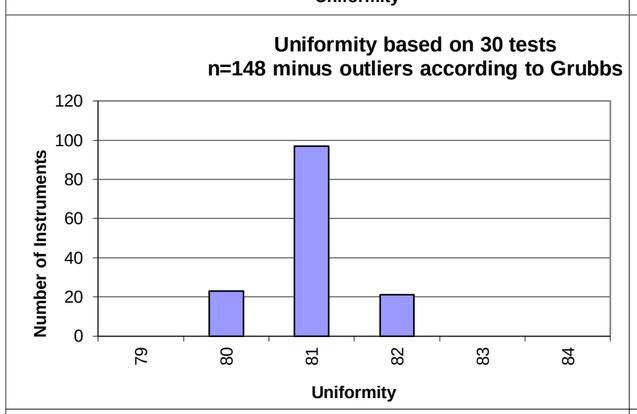

**Cotton 2**

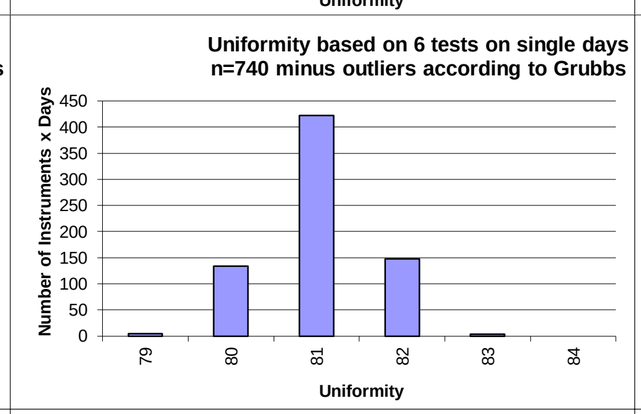


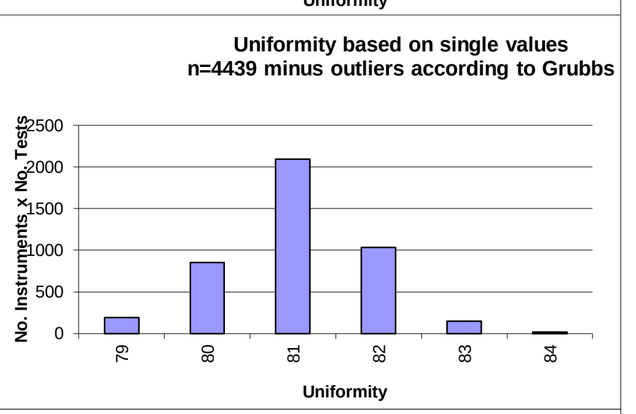



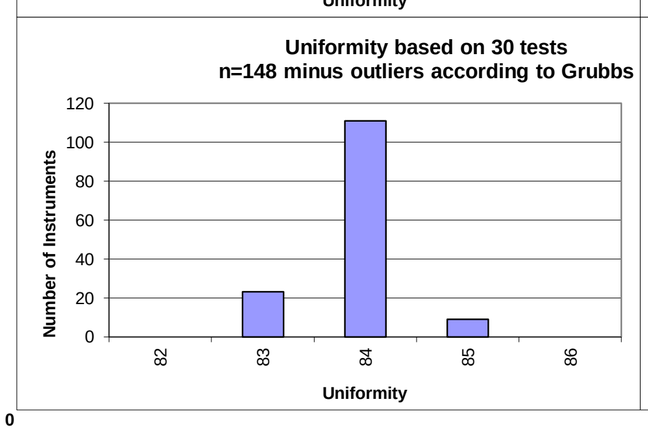

**Cotton 3**

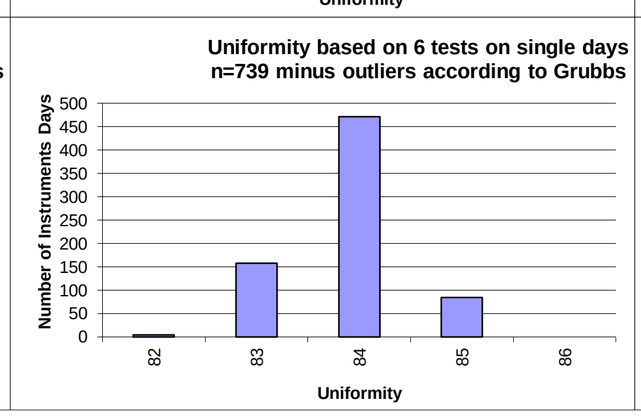


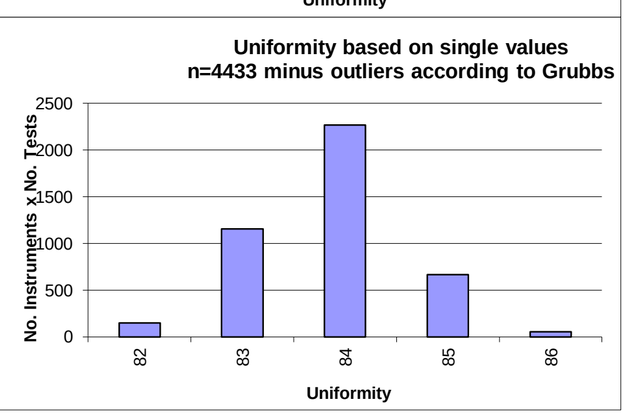




**Cotton 4**



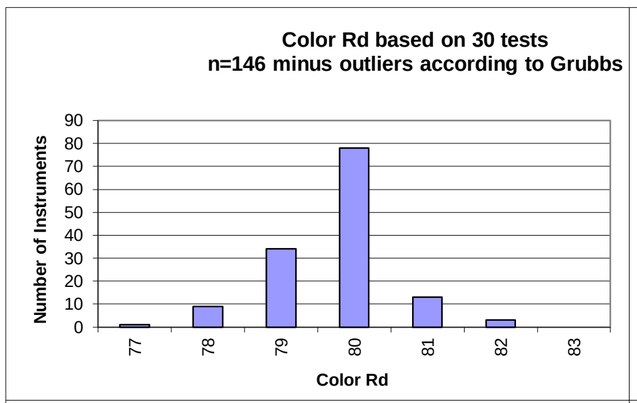



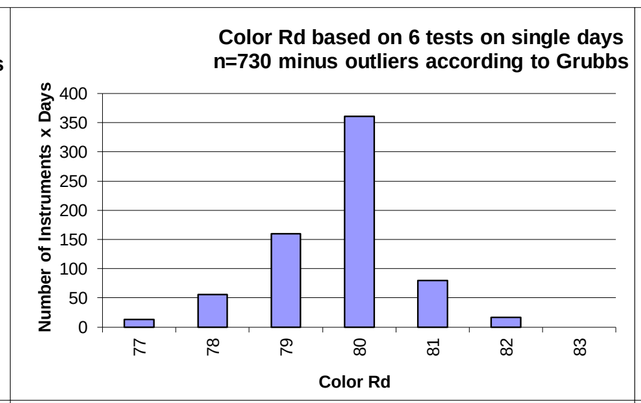

0

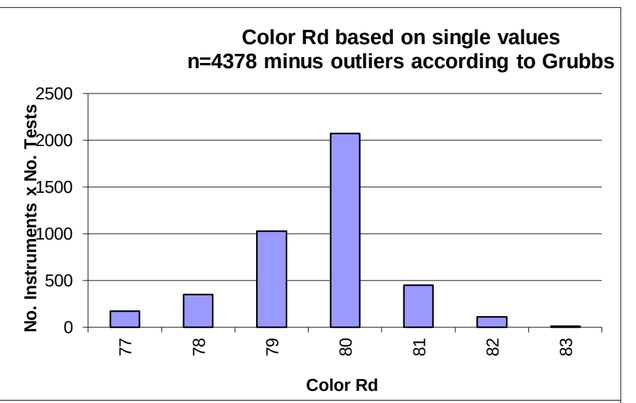
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Color Rd

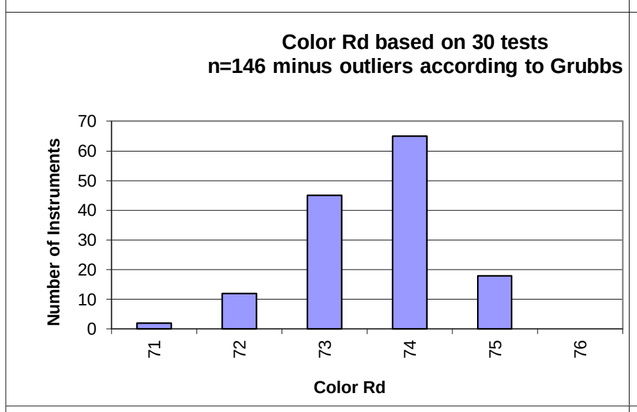
**Cotton 1**

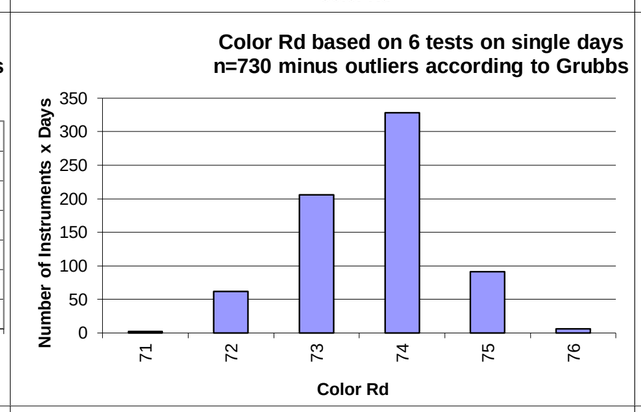


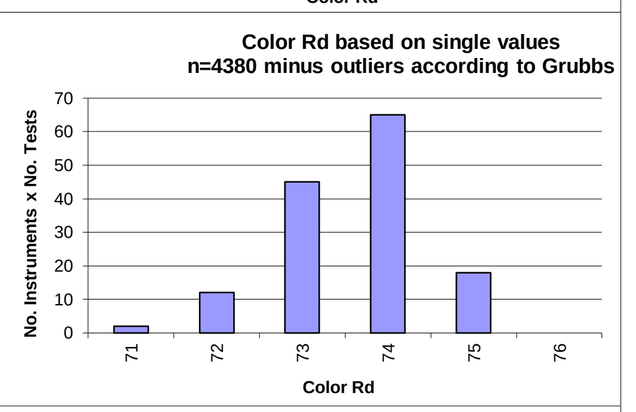



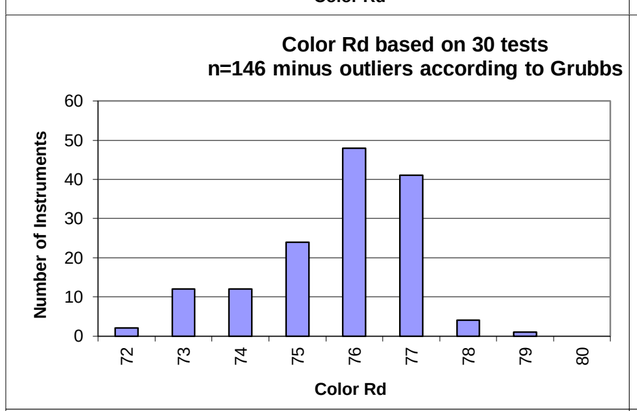

**Cotton 2**

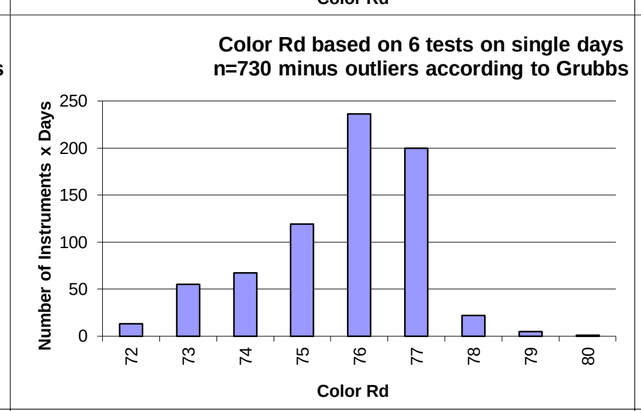


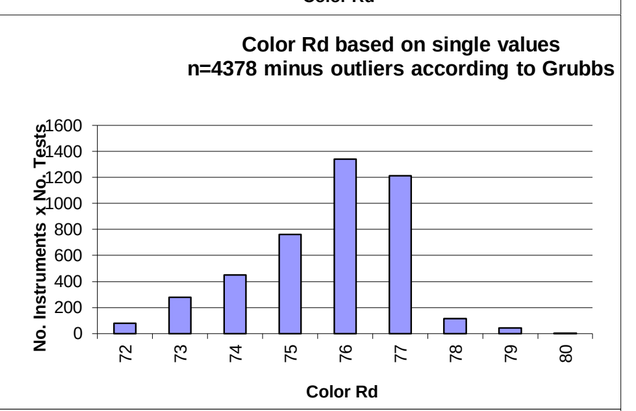



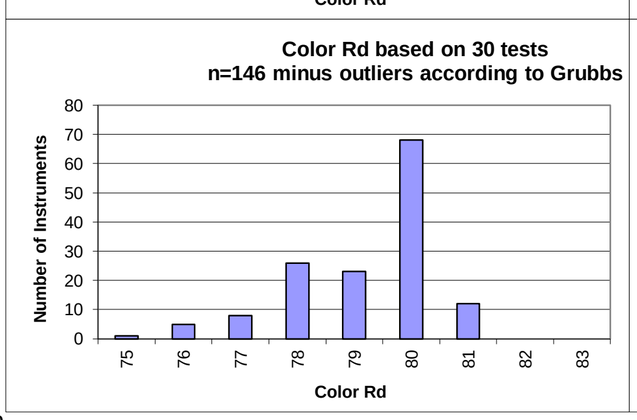

**Cotton 3**

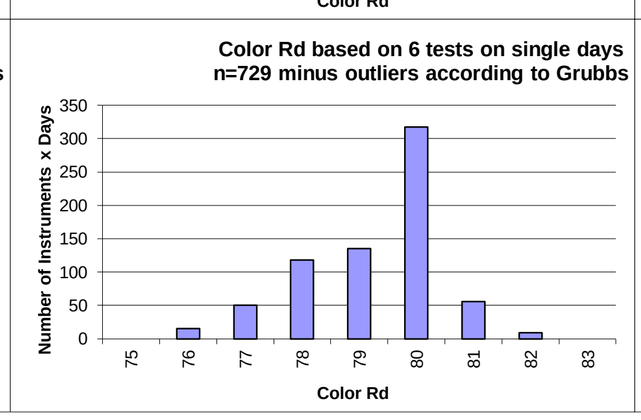


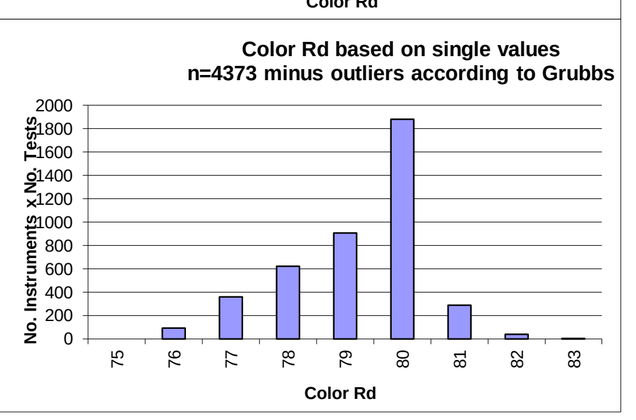




**Cotton 4**



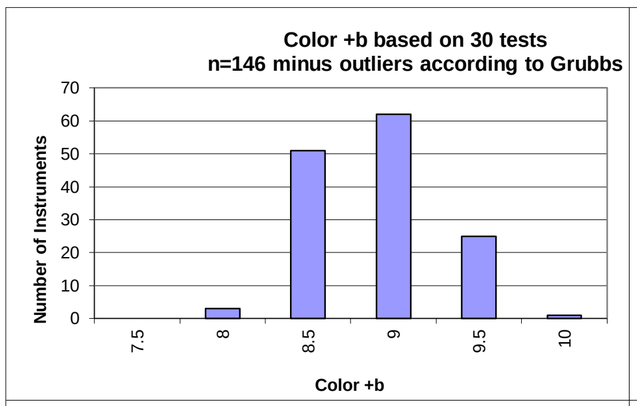



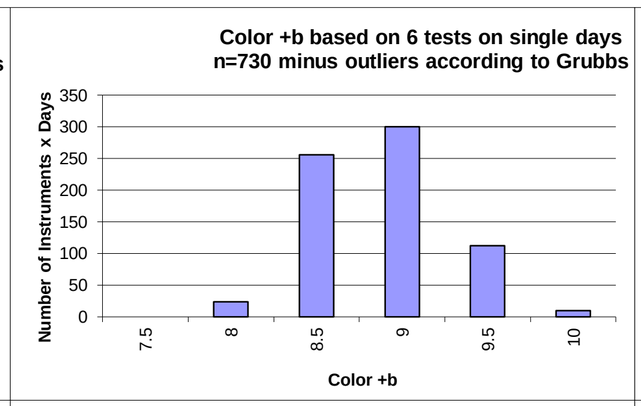

**0**

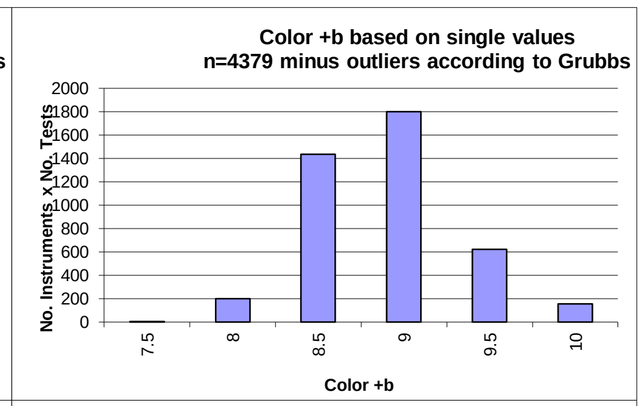
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Color +b

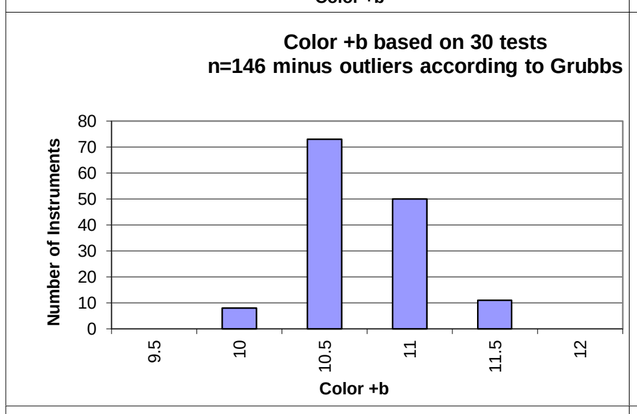
**Cotton 1**

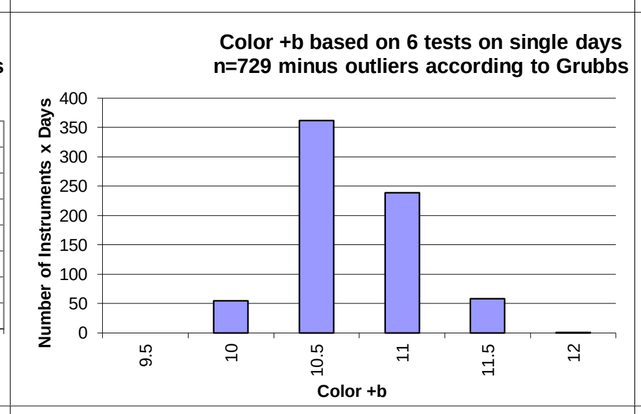


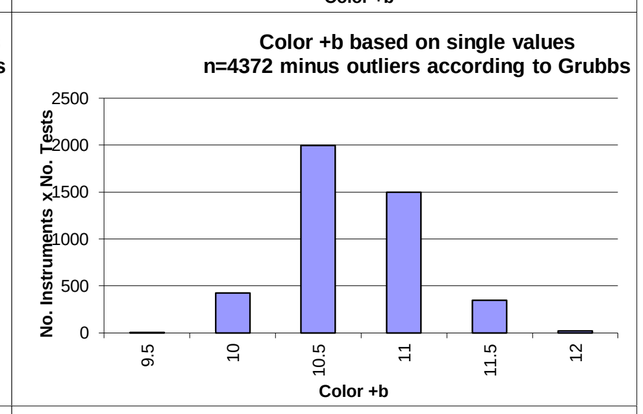



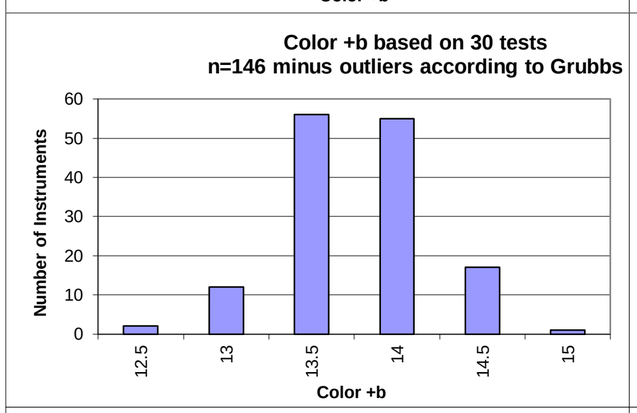

**Cotton 2**

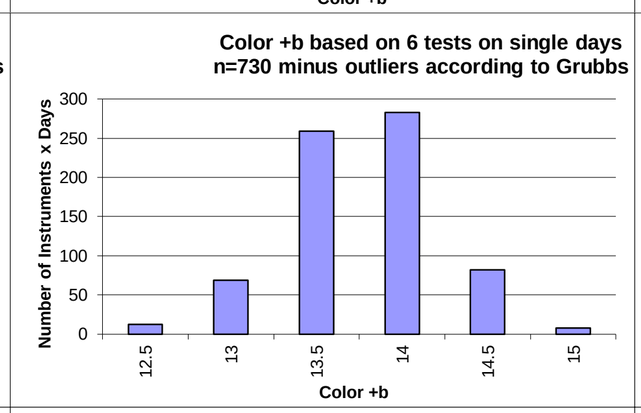


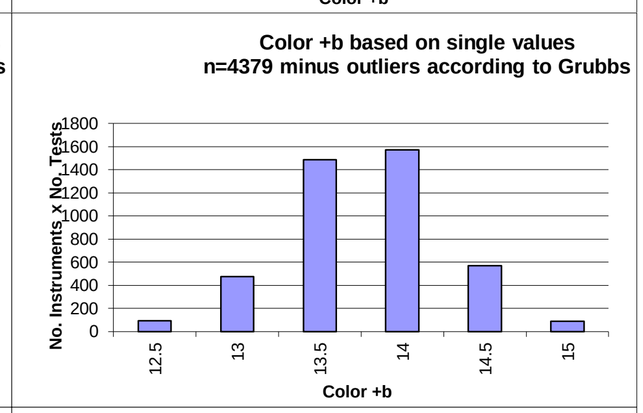



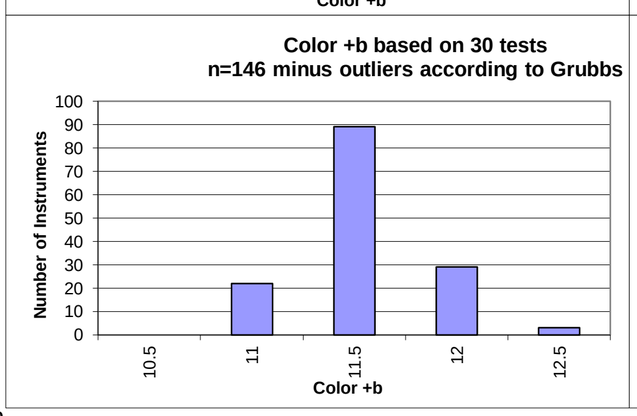

**Cotton 3**

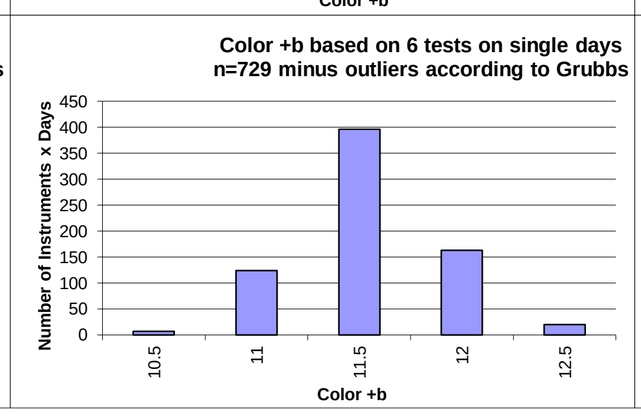


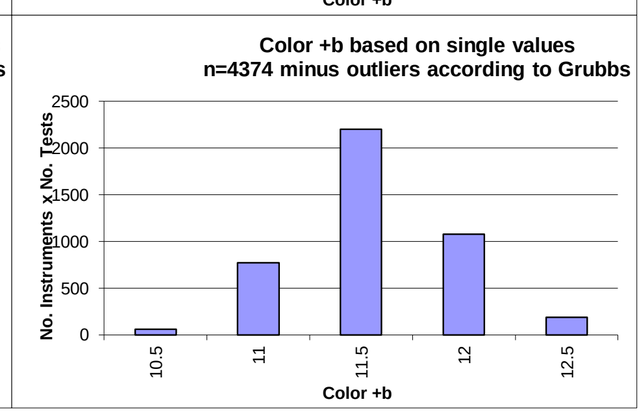




**Cotton 4**




**0**

(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

## Optional Parameters

Inter-Instrument Averages, Inter-Instrument Variations, Typical within-instrument Variations

| Trash Count | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 17.17 | 15.20 | 21.53 | 16.06 | |
| **Reference Values for Evaluation** | | | 17.17 | 15.20 | 21.53 | 16.06 | |
| **Number Of Instruments** | | | 100 | 100 | 100 | 100 | **100** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 8.01 | 7.47 | 10.21 | 8.35 | **8.51** |
| | | CV % | 46.7 | 49.2 | 47.4 | 52.0 | **48.8** |
| | based on 6 tests | SD | 8.19 | 7.49 | 10.74 | 8.99 | **8.85** |
| | | CV % | 47.7 | 49.3 | 49.9 | 56.0 | **50.7** |
| | based on single tests | SD | 8.66 | 7.86 | 11.15 | 9.10 | **9.19** |
| | | CV % | 50.4 | 51.7 | 51.8 | 56.6 | **52.6** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 2.14 | 2.27 | 2.66 | 2.05 | **2.28** |
| | | CV % | 12.5 | 15.0 | 12.4 | 12.7 | **13.1** |
| | between single tests on one day | SD | 2.37 | 2.33 | 2.68 | 2.17 | **2.39** |
| | | CV % | 13.8 | 15.3 | 12.4 | 13.5 | **13.8** |
| | between all tests on different days | SD | 3.24 | 3.21 | 4.02 | 3.21 | **3.42** |
| | | CV % | 18.9 | 21.1 | 18.7 | 20.0 | **19.7** |

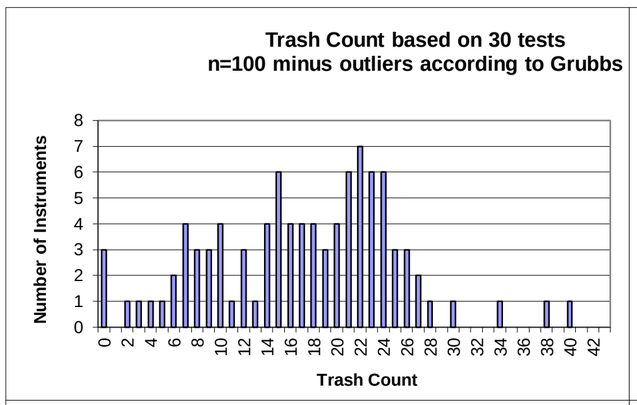
| Trash Area | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 0.178 | 0.143 | 0.209 | 0.144 | |
| **Reference Values for Evaluation** | | | 0.178 | 0.143 | 0.209 | 0.144 | |
| **Number Of Instruments** | | | 100 | 100 | 100 | 100 | **100** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.061 | 0.049 | 0.073 | 0.050 | **0.058** |
| | | CV % | 34.3 | 34.7 | 34.8 | 34.5 | **34.6** |
| | based on 6 tests | SD | 0.072 | 0.059 | 0.085 | 0.057 | **0.068** |
| | | CV % | 40.5 | 41.6 | 40.6 | 39.3 | **40.5** |
| | based on single tests | SD | 0.079 | 0.064 | 0.091 | 0.067 | **0.075** |
| | | CV % | 44.3 | 44.7 | 43.4 | 46.8 | **44.8** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.031 | 0.025 | 0.032 | 0.022 | **0.027** |
| | | CV % | 17.2 | 17.4 | 15.2 | 14.9 | **16.2** |
| | between single tests on one day | SD | 0.035 | 0.029 | 0.038 | 0.026 | **0.032** |
| | | CV % | 19.6 | 20.4 | 18.0 | 18.1 | **19.0** |
| | between all tests on different days | SD | 0.049 | 0.041 | 0.051 | 0.039 | **0.045** |
| | | CV % | 27.6 | 28.9 | 24.4 | 27.2 | **27.0** |

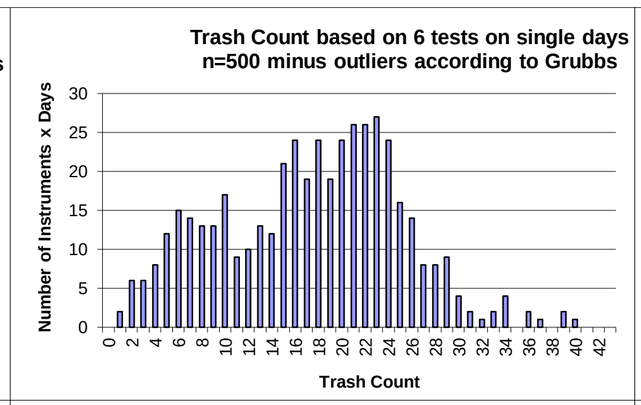
| Maturity | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 88.42 | 87.84 | 81.32 | 86.00 | |
| **Reference Values for Evaluation** | | | 88.42 | 87.84 | 81.32 | 86.00 | |
| **Number Of Instruments** | | | 103 | 103 | 104 | 103 | **103** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 2.57 | 2.44 | 2.59 | 2.18 | **2.45** |
| | | CV % | 2.9 | 2.8 | 3.2 | 2.5 | **2.9** |
| | based on 6 tests | SD | 2.50 | 2.43 | 1.62 | 2.25 | **2.20** |
| | | CV % | 2.8 | 2.8 | 2.0 | 2.6 | **2.5** |
| | based on single tests | SD | 2.32 | 2.41 | 2.48 | 2.19 | **2.35** |
| | | CV % | 2.6 | 2.7 | 3.0 | 2.5 | **2.7** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.24 | 0.24 | 0.22 | 0.24 | **0.23** |
| | | CV % | 0.3 | 0.3 | 0.3 | 0.3 | **0.3** |
| | between single tests on one day | SD | 0.35 | 0.33 | 0.32 | 0.37 | **0.34** |
| | | CV % | 0.4 | 0.4 | 0.4 | 0.4 | **0.4** |
| | between all tests on different days | SD | 0.47 | 0.48 | 0.47 | 0.49 | **0.48** |
| | | CV % | 0.5 | 0.5 | 0.6 | 0.6 | **0.6** |

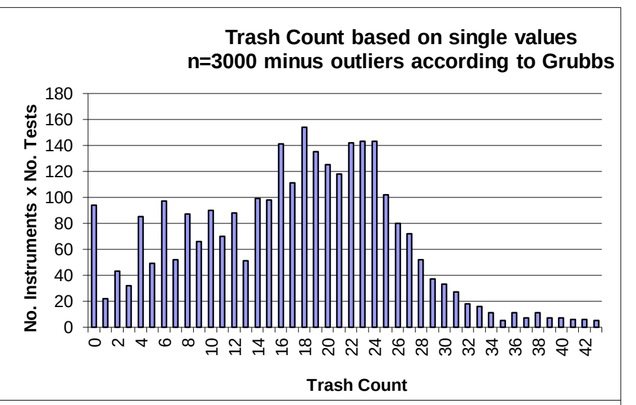
| SFI | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 12.20 | 7.90 | 9.87 | 7.12 | |
| **Reference Values for Evaluation** | | | 12.20 | 7.90 | 9.87 | 7.12 | |
| **Number Of Instruments** | | | 111 | 111 | 111 | 111 | **111** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 1.41 | 0.94 | 1.09 | 0.83 | **1.07** |
| | | CV % | 11.6 | 11.9 | 11.0 | 11.6 | **11.5** |
| | based on 6 tests | SD | 1.42 | 0.96 | 1.21 | 0.74 | **1.09** |
| | | CV % | 11.7 | 12.2 | 12.3 | 10.5 | **11.7** |
| | based on single tests | SD | 1.58 | 1.03 | 1.30 | 0.79 | **1.17** |
| | | CV % | 12.9 | 13.0 | 13.2 | 11.1 | **12.6** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.36 | 0.25 | 0.27 | 0.19 | **0.27** |
| | | CV % | 2.9 | 3.2 | 2.8 | 2.7 | **2.9** |
| | between single tests on one day | SD | 0.60 | 0.36 | 0.47 | 0.27 | **0.43** |
| | | CV % | 4.9 | 4.6 | 4.8 | 3.8 | **4.5** |
| | between all tests on different days | SD | 0.69 | 0.43 | 0.55 | 0.33 | **0.50** |
| | | CV % | 5.7 | 5.4 | 5.5 | 4.6 | **5.3** |

Test Result Distributions
Trash Count

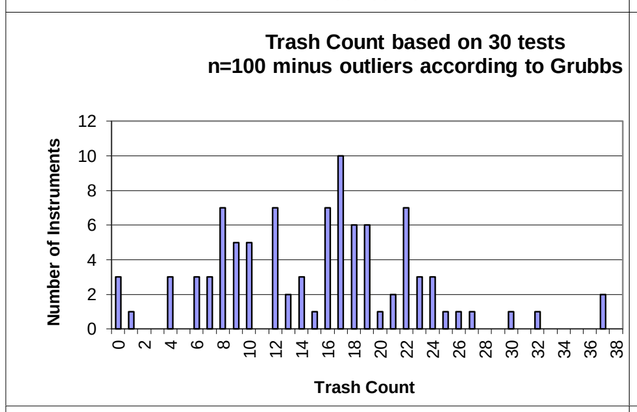
**Cotton 1**

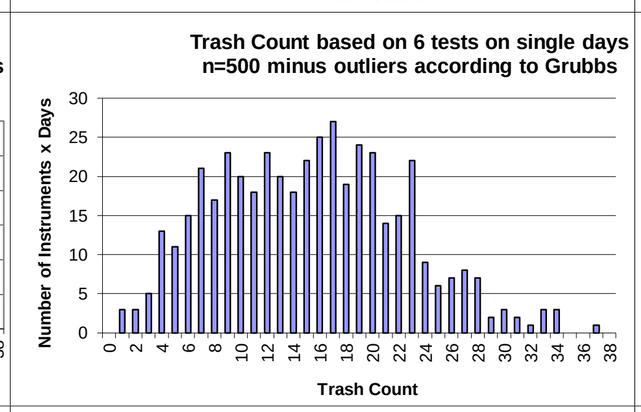


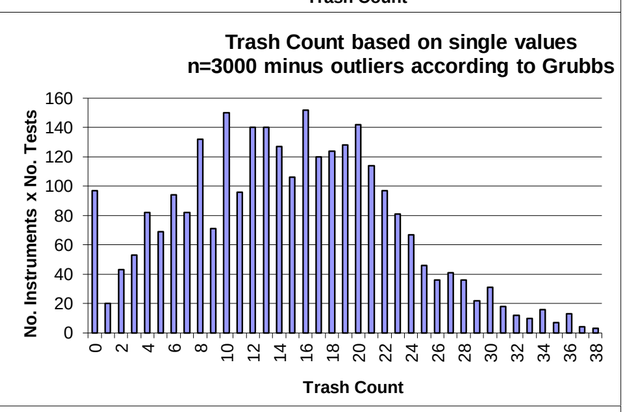



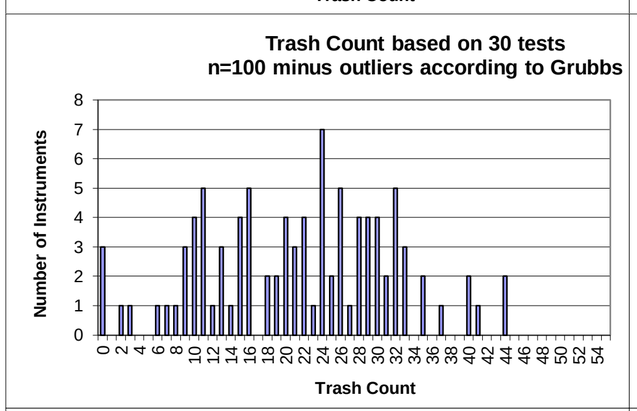

**Cotton 2**

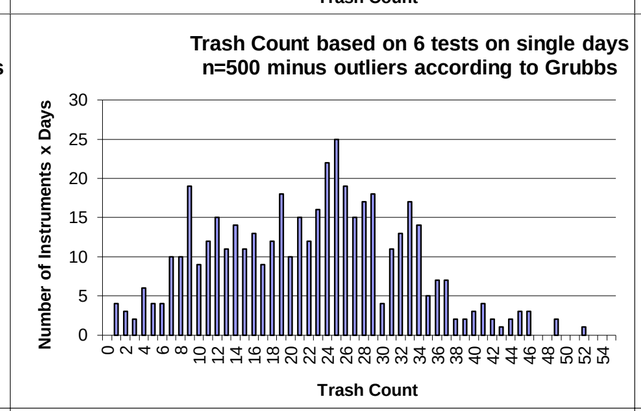


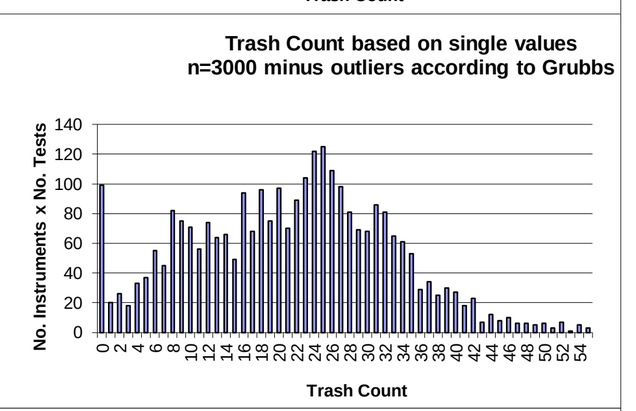



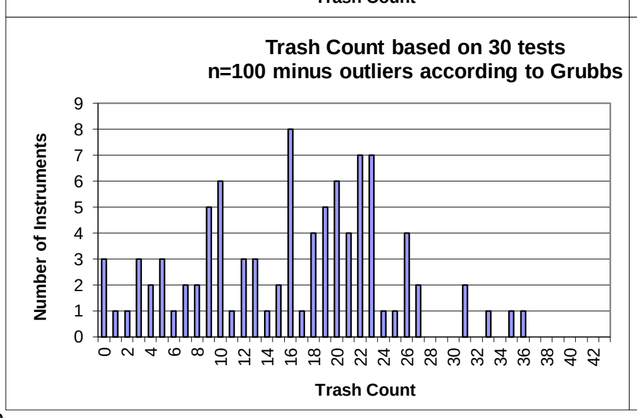

**Cotton 3**

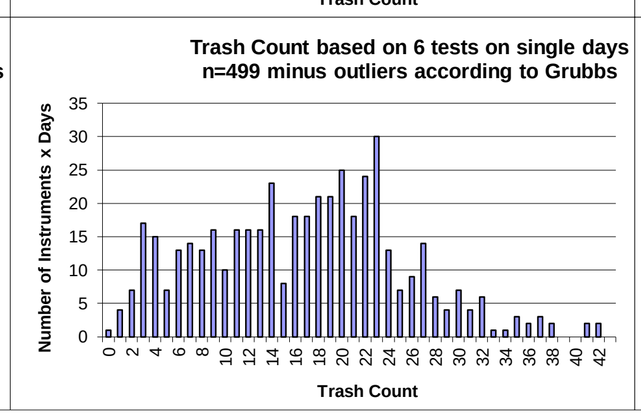


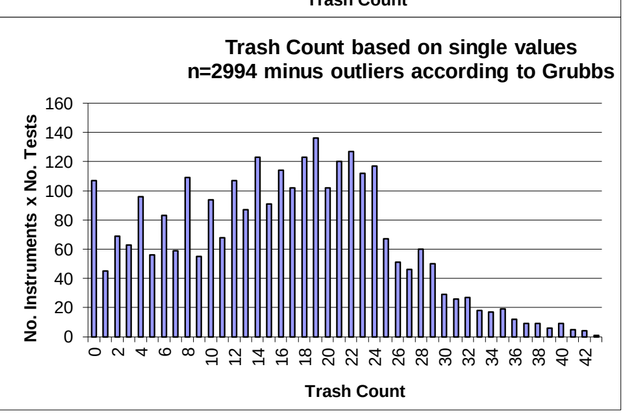




**Cotton 4**



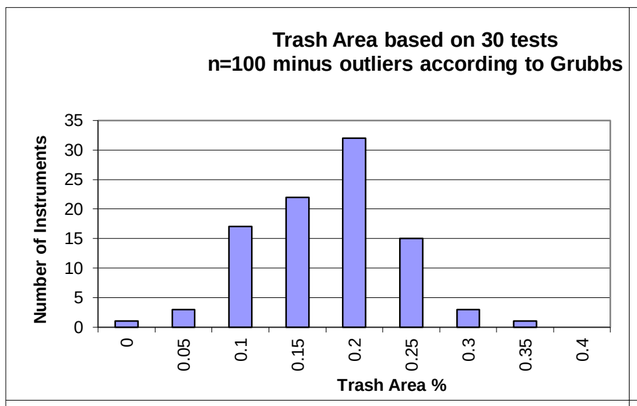



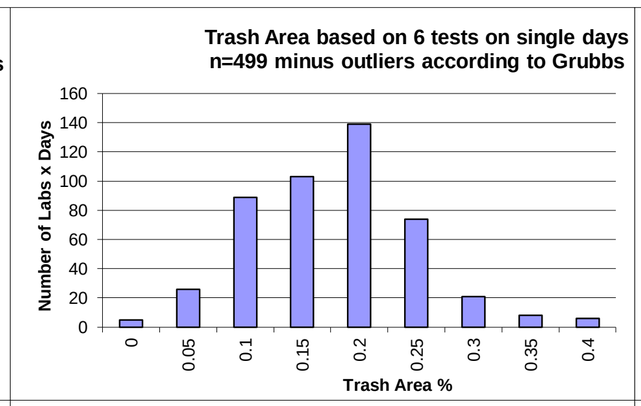

**0**

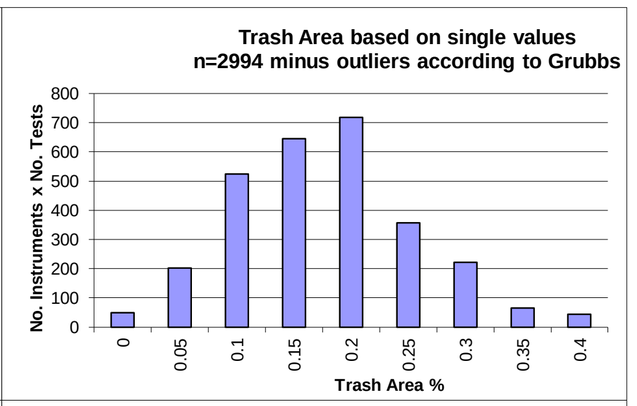
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Trash Area

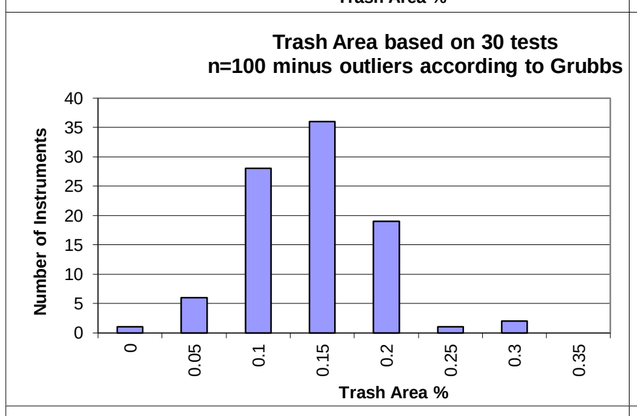
**Cotton 1**

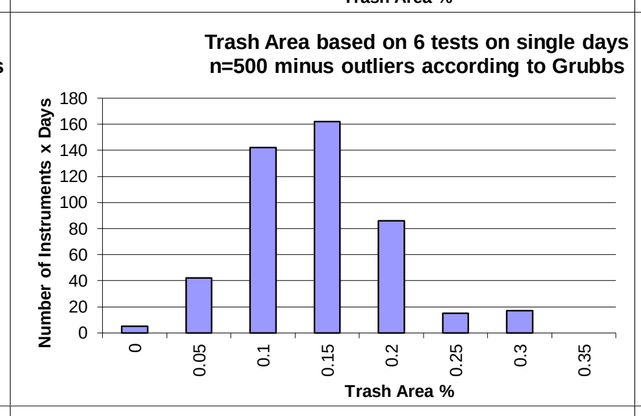


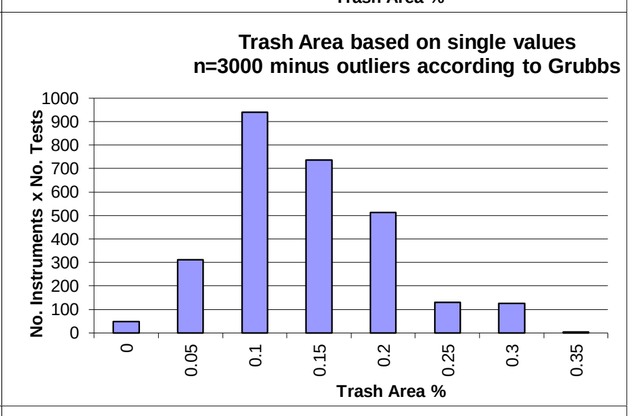



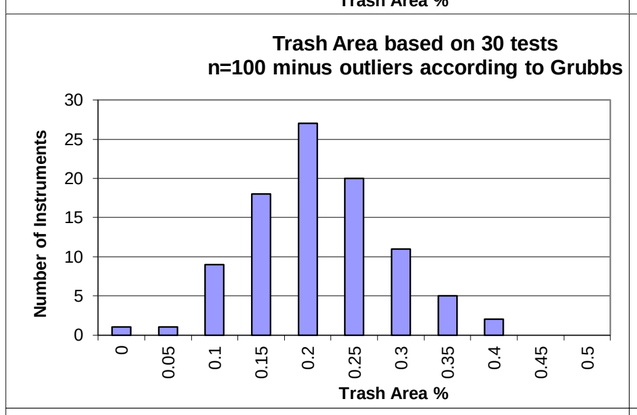

**Cotton 2**

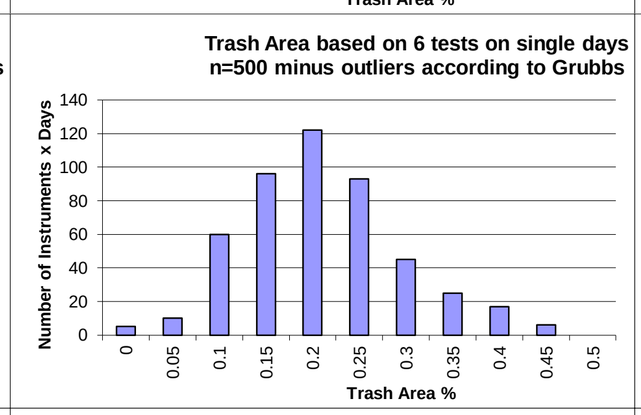


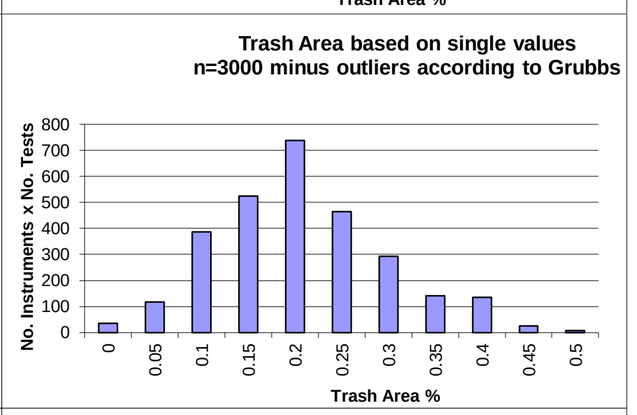



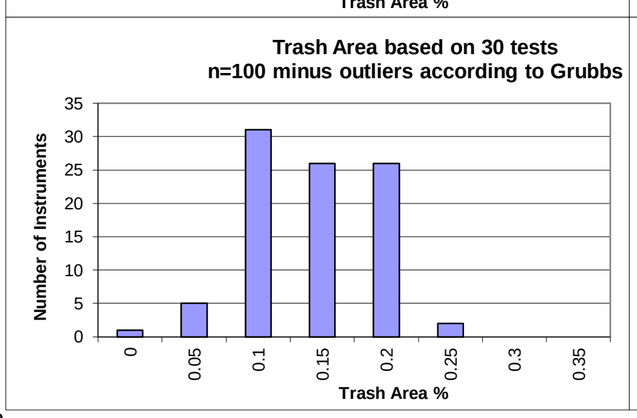

**Cotton 3**

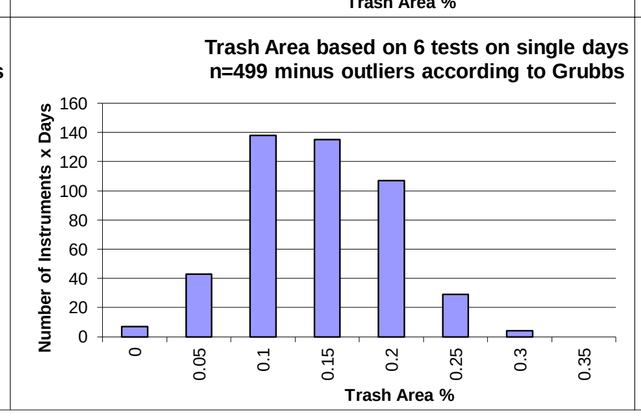


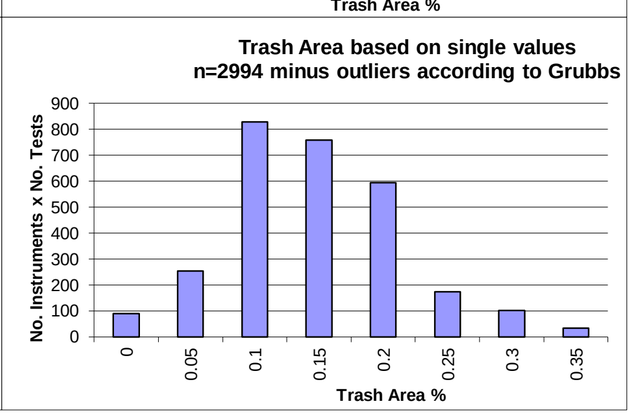




**Cotton 4**




**0**

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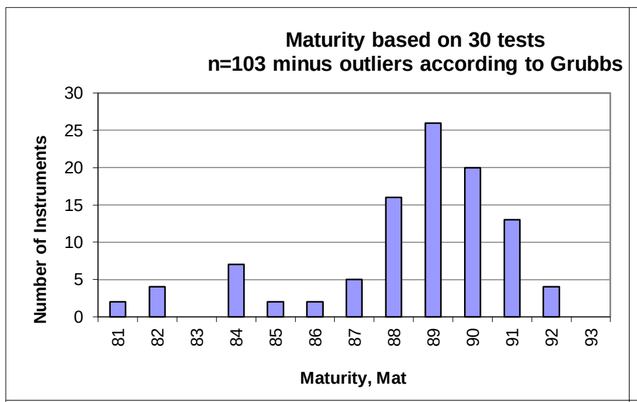
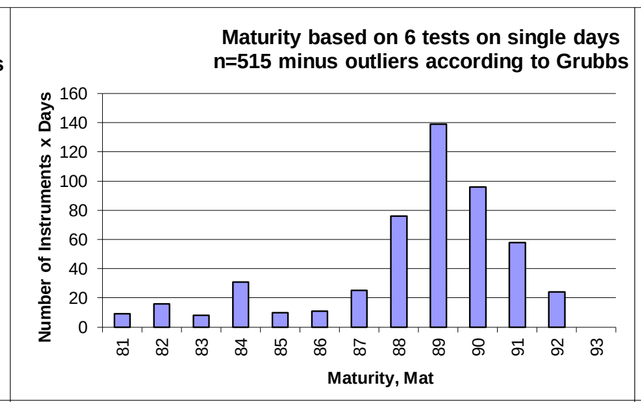
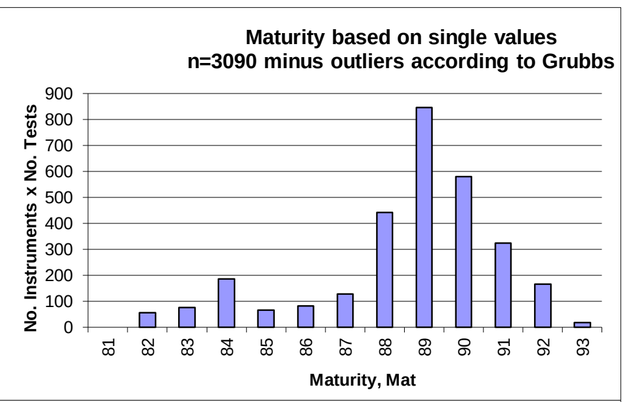
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Maturity

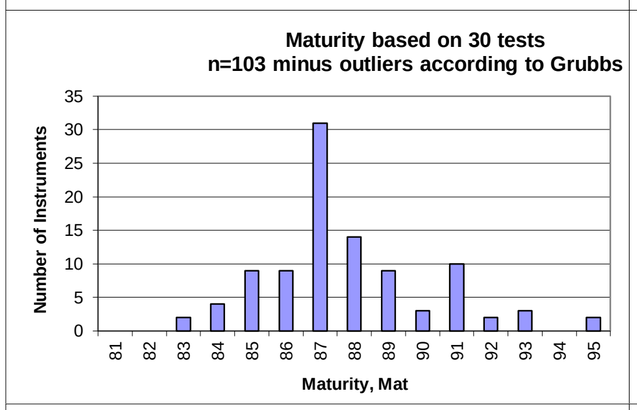
**Cotton 1**

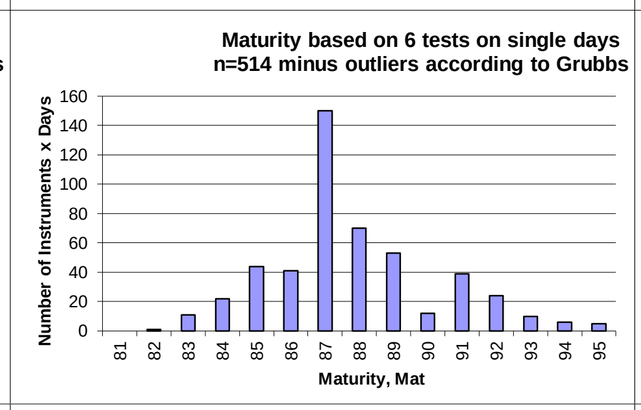


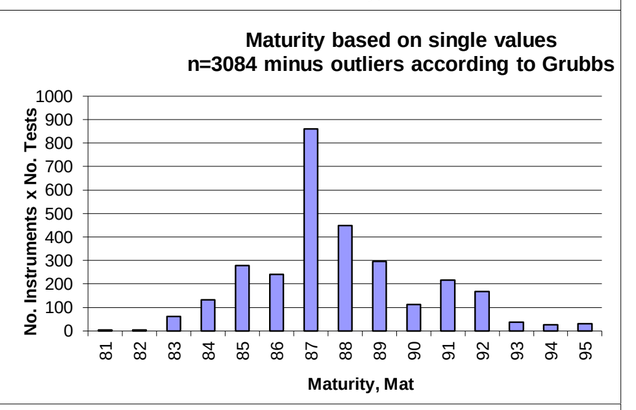



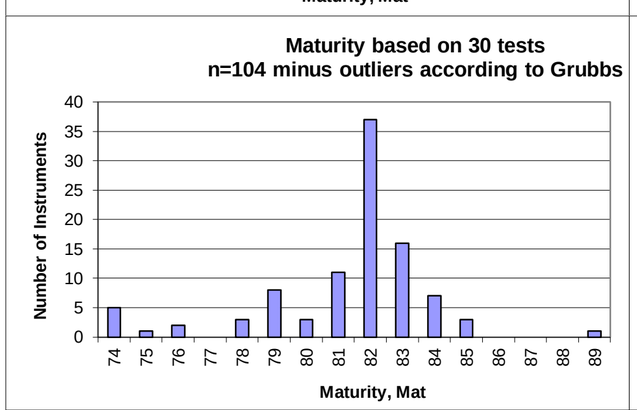

**Cotton 2**

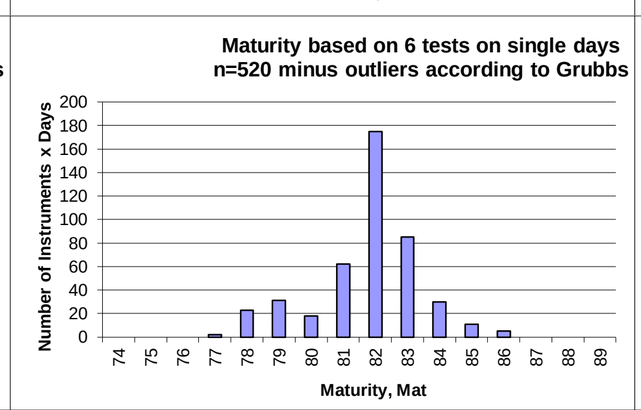


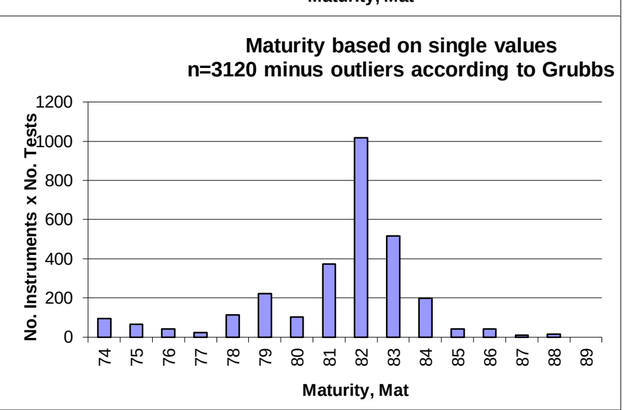



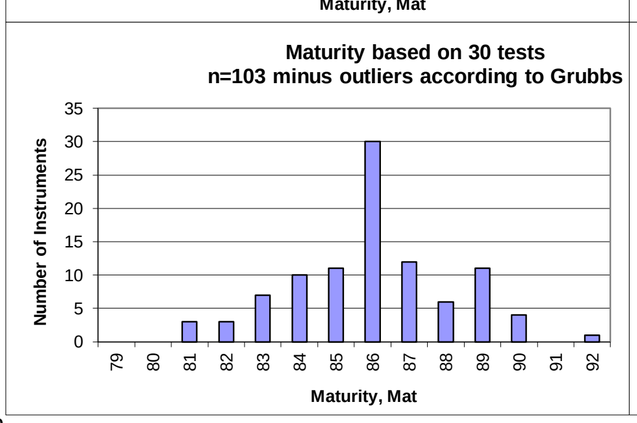

**Cotton 3**

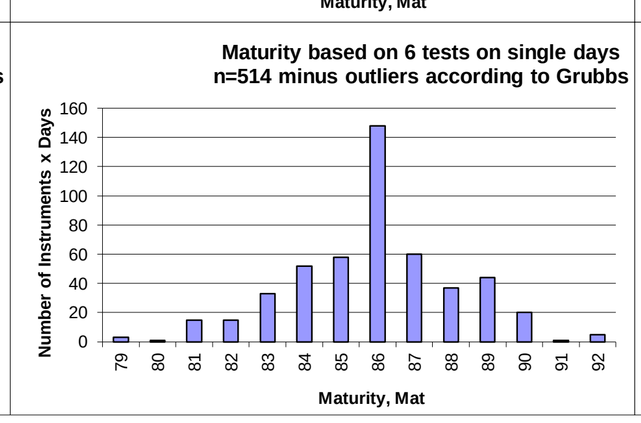


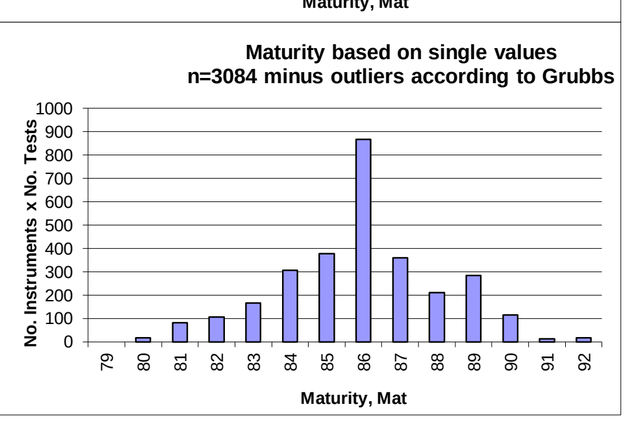




**Cotton 4**



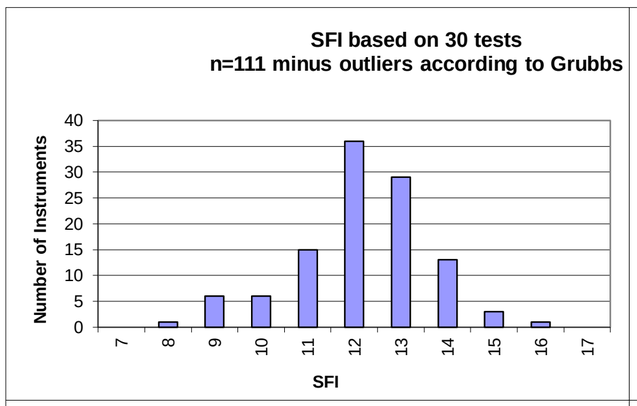



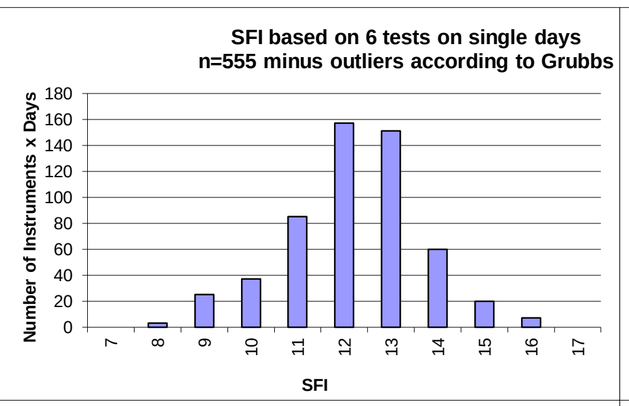

0

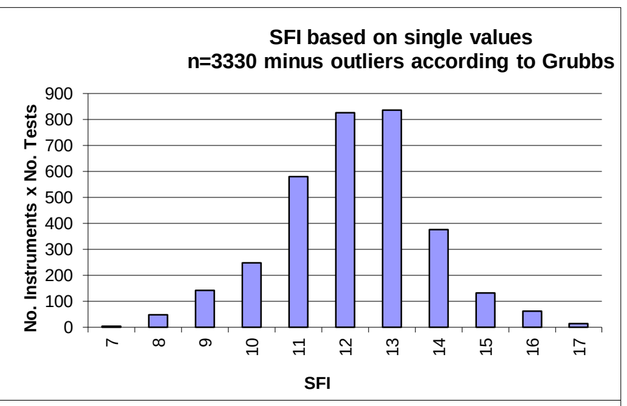
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method.)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
SFI

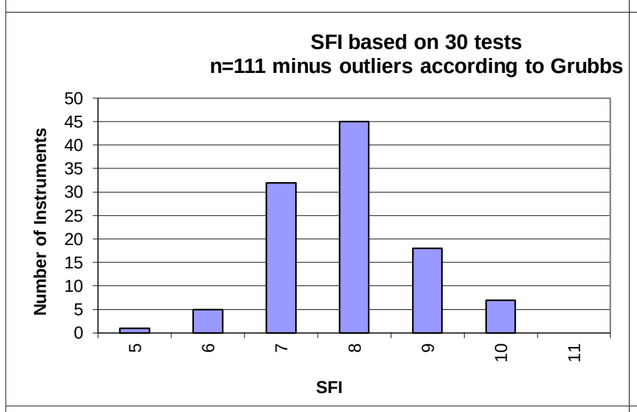
**Cotton 1**

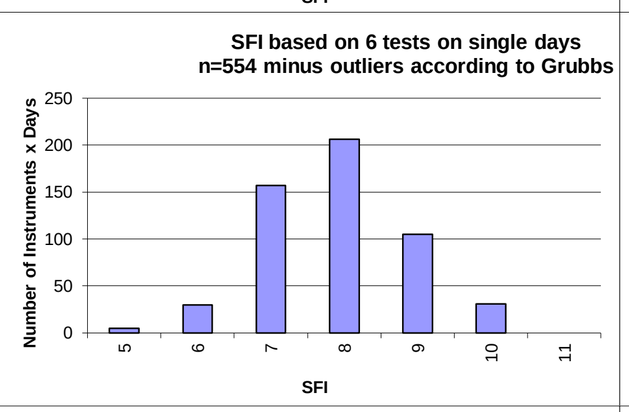


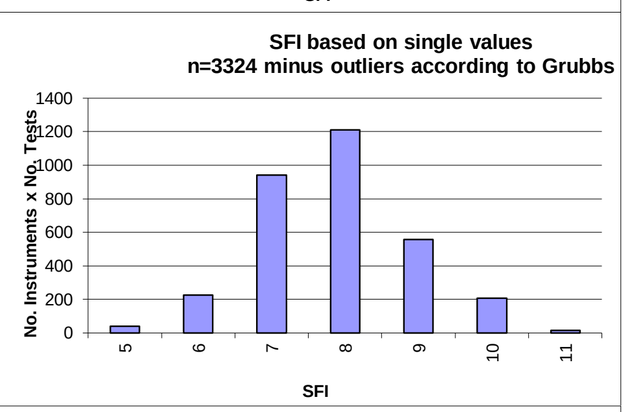



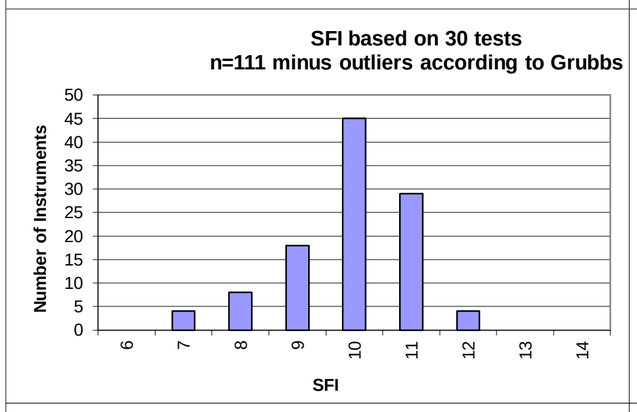

**Cotton 2**

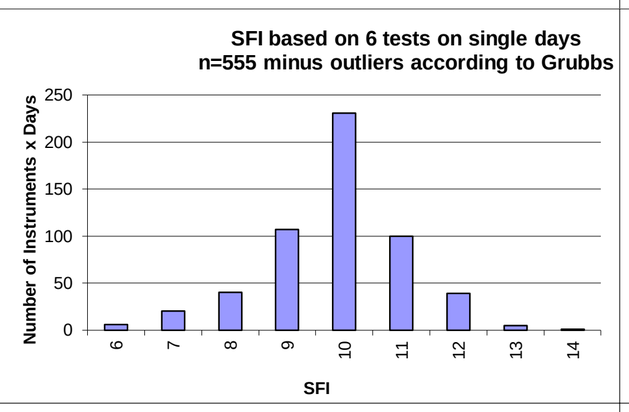


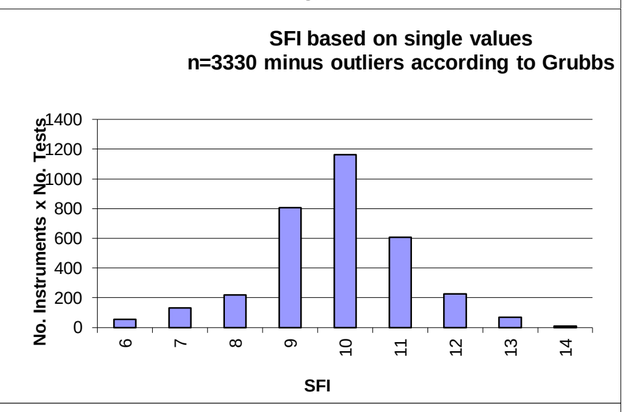



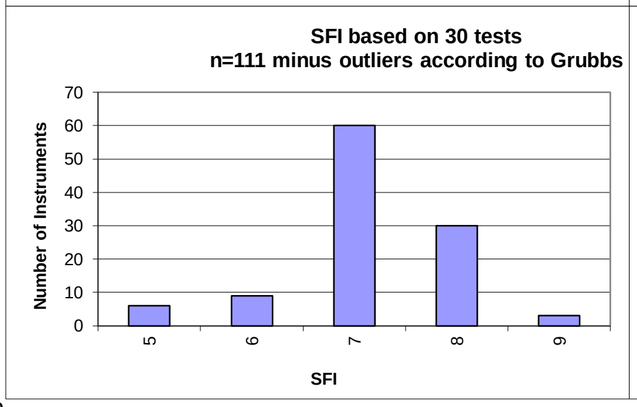

**Cotton 3**

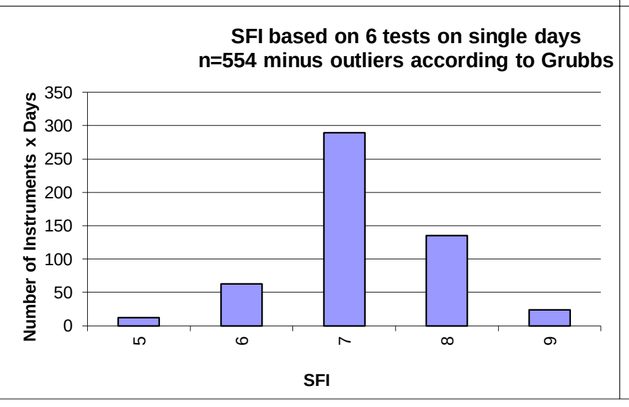


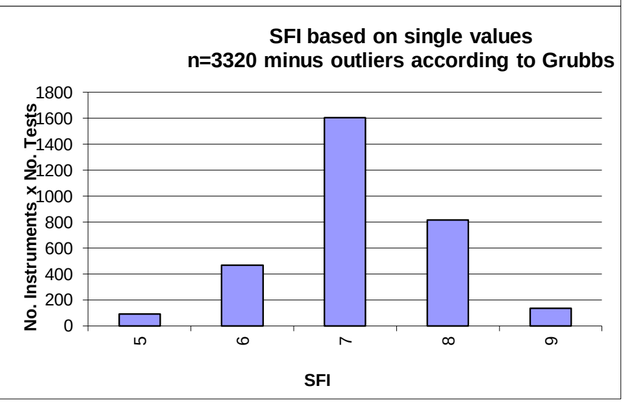




**Cotton 4**




**0**

(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

**International Cotton Advisory Committee**

# CSITC
# Global - Round Trial 2013 - 3
## General Evaluation

Section One: Result Distribution
**Section Two: Instrument Evaluation**
Section Three: Within Limits Evaluation

Section Two: Instrument Evaluation

Content:

-Evaluation of Combined Parameters
-Evaluation of Single Parameters

Executed By:
Faserinstitut Bremen e.V., Bremen, Germany*
USDA-AMS, Memphis, TN, USA

System Provided by:
Generation 10 Limited

This report is an outcome of the Project CFC/ICAC/33 – CSITC,
which benefitted from support from the Common Fund for Commodities
and the European Union, partners in Commodity Development.

** Faserinstitut Bremen are a Cooperation Partner with ICA Bremen*

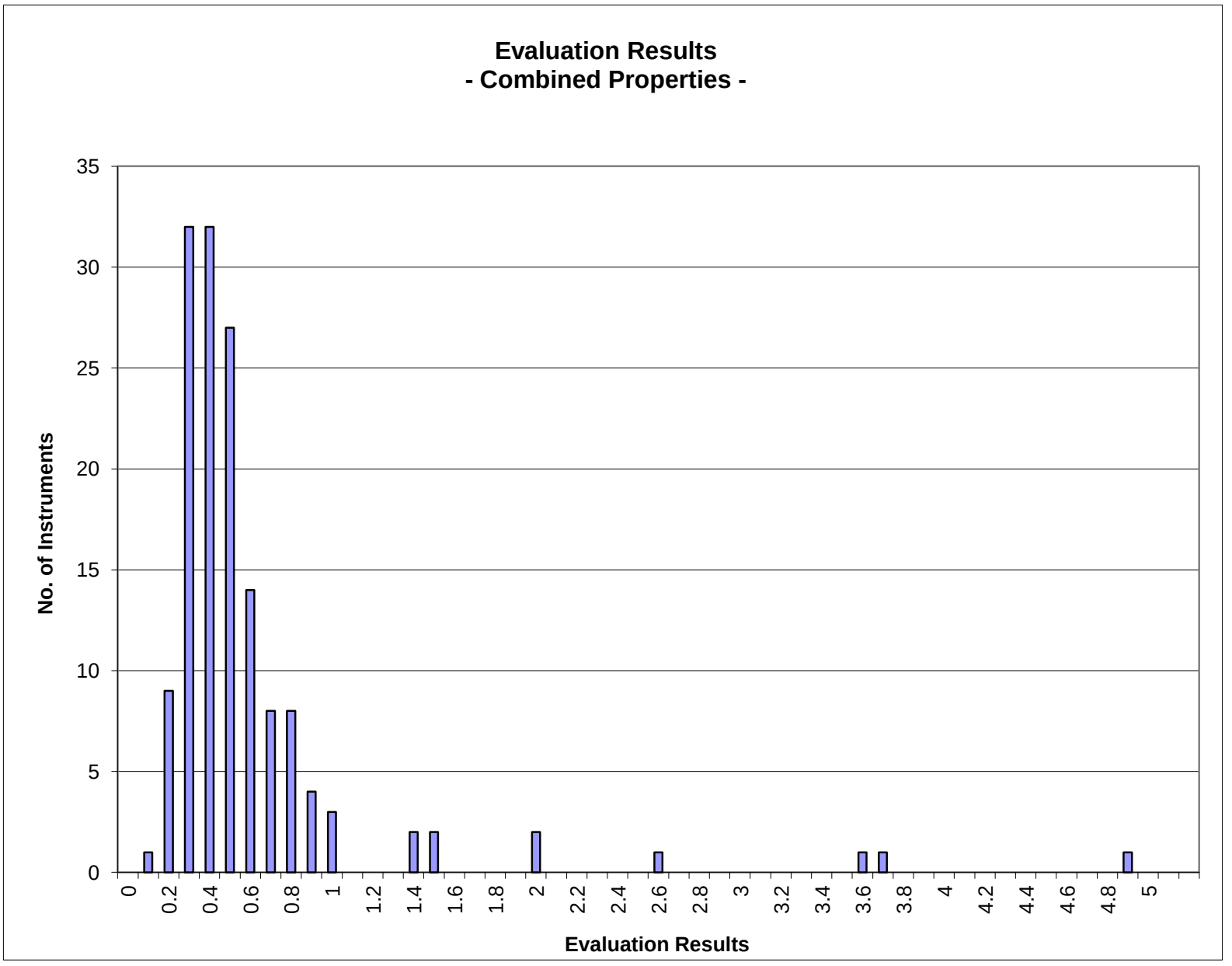
Instrument Evaluation

- Graph of Combined Properties -

According to ICAC CSITC Task Force Recommendations

Global - Round Trial 2013 - 3

| | | Evaluation Combined Prop. |
|---|---|---|
| **Statistics** | Average | 0.61 |
| | Median | 0.45 |
| | Best Instrument | 0.15 |
| | Worst Instrument | 4.91 |



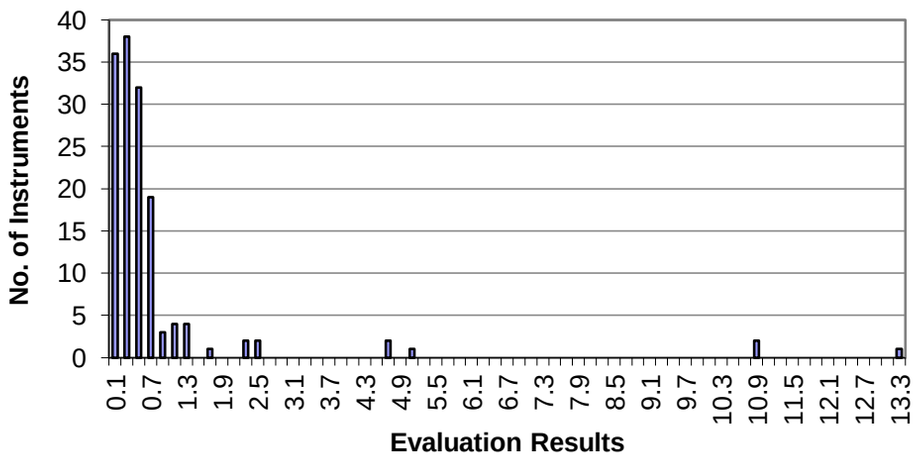

x-Axis shows midpoints of classes

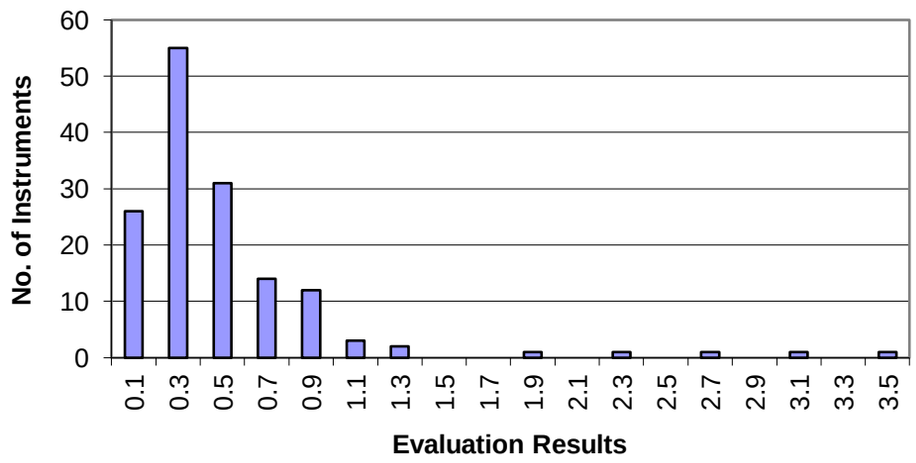
The evaluation results are entered based on the unrounded values

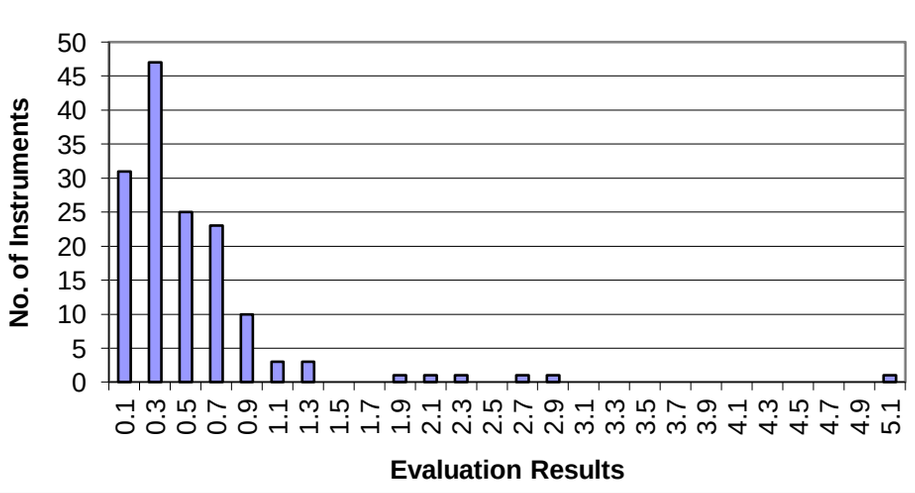
(classes are defined as > lower limit and <= upper limit)

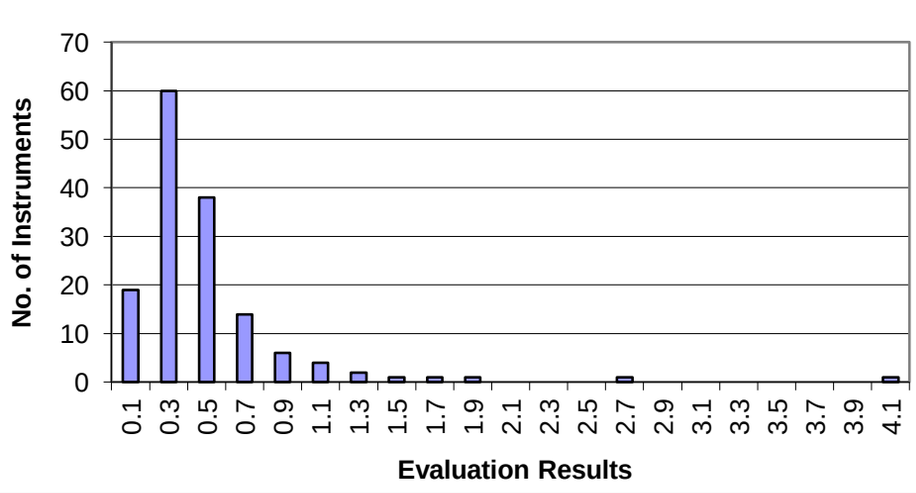
Instrument Evaluation
- Graph of Single Properties -
According to ICAC CSITC Task Force Recommendations
Global - Round Trial 2013 - 3

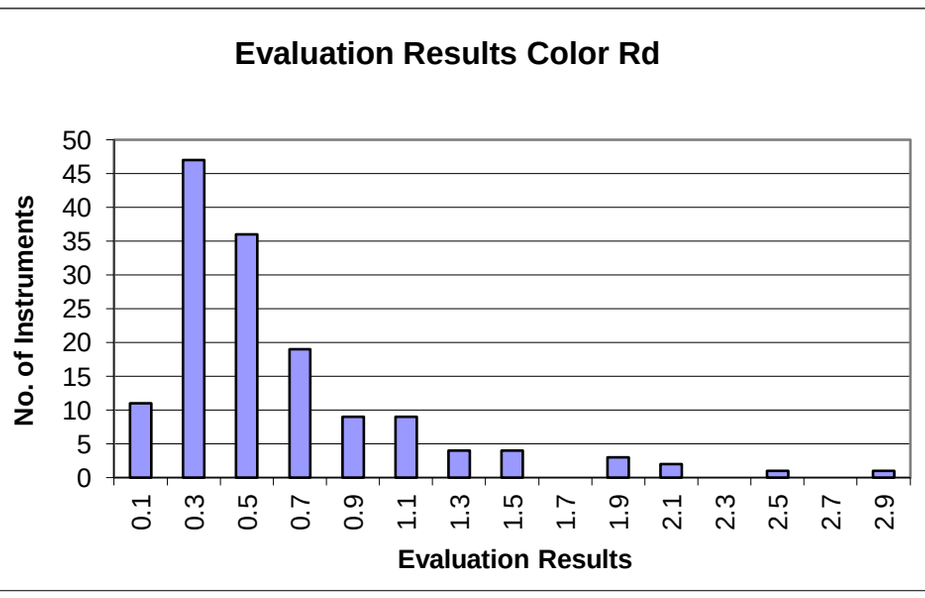
| | | Evaluation Micronaire | Evaluation Strength | Evaluation Length | Evaluation Uniformity | Evaluation Color Rd | Evaluation Color +b |
|---|---|---|---|---|---|---|---|
| **Statistics** | Average | 0.81 | 0.50 | 0.54 | 0.49 | 0.62 | 0.68 |
| | Median | 0.40 | 0.36 | 0.37 | 0.38 | 0.47 | 0.53 |
| | Best Instr. | 0.05 | 0.06 | 0.07 | 0.03 | 0.06 | 0.09 |
| | Worst Instr. | 13.30 | 3.44 | 5.04 | 4.02 | 2.94 | 5.03 |

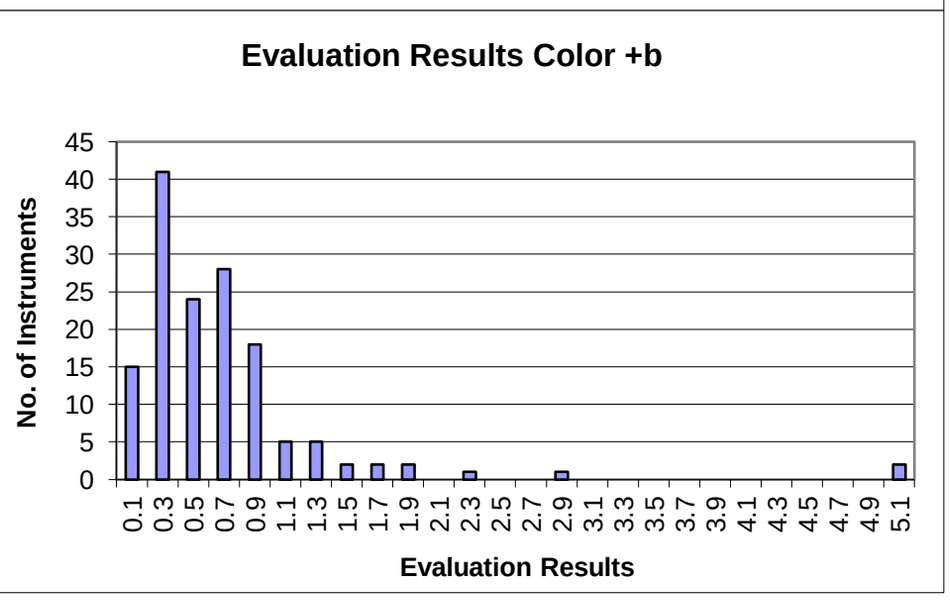



x-Axis shows midpoints of classes
The evaluation results are entered based on the unrounded values

**International Cotton Advisory Committee**

# CSITC
# Global - Round Trial 2013 - 3
## General Evaluation

Section One: Result Distribution
Section Two: Instrument Evaluation
**Section Three: Within Limits Evaluation**

Section Three: Within Limits Evaluation

Content:

-Based on Average of 30 Test Results
-Based on Single Test Results

Executed By:
Faserinstitut Bremen e.V., Bremen, Germany*
USDA-AMS, Memphis, TN, USA

System Provided by:
Generation 10 Limited

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which benefitted from support from the Common Fund for Commodities
and the European Union, partners in Commodity Development.

** Faserinstitut Bremen are a Cooperation Partner with ICA Bremen*

# Within Limits Evaluation

Based on average of 30 test results for each sample

| | Micronaire | Strength | Length | Uniformity | Color Rd | Color +b |
|---|---|---|---|---|---|---|
| Limits | 0.20 | 2.0 | 0.030 | 2.0 | 1.5 | 1.0 |
| | units | g/tex | inch | % | units | units |
| Average % Results within Limits | 95.2 | 94.1 | 94.6 | 97.8 | 82.4 | 97.1 |
| Completely within limits | 91.2 | 85.1 | 86.5 | 95.3 | 71.2 | 93.8 |
| % of Instruments ≥75% within limits | 93.9 | 95.3 | 95.9 | 98.0 | 77.4 | 96.6 |
| % of Instruments ≥50% within limits | 97.3 | 97.3 | 98.0 | 98.6 | 86.3 | 98.6 |

| Percentage of Results Within Limits | | | | | | |
|---|---|---|---|---|---|---|
| **Instrument** | **Micronaire** | **Strength** | **Length** | **Uniformity** | **Color Rd** | **Color +b** |
| GL133-001-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-001-08 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-002-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-003-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-004-08 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-004-09 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-005-01 | 100 | 100 | 75 | 100 | 100 | 100 |
| GL133-006-01 | 100 | 100 | 75 | 100 | 50 | 100 |
| GL133-006-02 | 100 | 100 | 75 | 100 | 50 | 100 |
| GL133-006-03 | 100 | 100 | 75 | 100 | 50 | 100 |
| GL133-006-06 | 100 | 100 | 75 | 100 | 50 | 100 |
| GL133-007-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-009-01 | 100 | 100 | 100 | 100 | 25 | 75 |
| GL133-009-02 | 100 | 100 | 100 | 100 | 0 | 100 |
| GL133-010-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-010-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-010-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-010-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-011-16 | 100 | 100 | 75 | 100 | 75 | 100 |
| GL133-012-04 | 50 | 0 | 75 | 75 | 50 | 25 |
| GL133-013-02 | 100 | 100 | 100 | 100 | 50 | 100 |
| GL133-014-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-015-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-016-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-016-04 | 100 | 75 | 100 | 100 | 100 | 100 |
| GL133-016-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-017-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-019-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-019-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-019-06 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-021-05 | 50 | 50 | 50 | 100 | 25 | 50 |
| GL133-021-06 | 50 | 100 | 50 | 100 | 50 | 50 |
| GL133-022-01 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL133-023-01 | 100 | 100 | 100 | 100 | | |
| GL133-023-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-028-01 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL133-029-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-029-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-030-02 | 100 | 100 | 100 | 100 | 25 | 100 |

| | | | | | | |
|---|---|---|---|---|---|---|
| GL133-031-01 | 100 | 75 | 100 | 100 | 100 | 100 |
| GL133-032-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-032-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-032-07 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-032-08 | 100 | 100 | 100 | 100 | 0 | 100 |
| GL133-034-01 | 100 | 75 | 100 | 100 | 50 | 100 |
| GL133-034-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-035-01 | 75 | 75 | 100 | 100 | 100 | 100 |
| GL133-036-01 | 100 | 75 | 100 | 100 | 25 | 75 |
| GL133-037-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-038-01 | 100 | 50 | 100 | 100 | 100 | 100 |
| GL133-039-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-039-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-040-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-041-01 | 25 | 25 | 0 | 25 | 25 | 50 |
| GL133-042-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-043-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-043-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-044-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-045-01 | 100 | 75 | 50 | 100 | 100 | 100 |
| GL133-046-01 | 100 | 75 | 100 | 100 | 0 | 100 |
| GL133-047-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-048-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-049-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-049-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-049-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-049-06 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-050-01 | 0 | 75 | 75 | 100 | 25 | 100 |
| GL133-050-02 | 0 | 75 | 75 | 100 | 25 | 100 |
| GL133-051-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-053-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-053-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-054-01 | 75 | 100 | 100 | 100 | 100 | 100 |
| GL133-054-02 | 75 | 100 | 75 | 75 | 0 | 100 |
| GL133-056-01 | 100 | 100 | 100 | 100 | 0 | 100 |
| GL133-057-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-057-03 | 100 | 75 | 100 | 100 | 100 | 100 |
| GL133-058-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-061-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-061-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-061-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-062-01 | 100 | 75 | 100 | 100 | 100 | 100 |
| GL133-062-02 | 100 | 75 | 100 | 100 | 100 | 100 |
| GL133-063-03 | 50 | 100 | 100 | 100 | 25 | 100 |
| GL133-063-04 | 50 | 100 | 100 | 100 | 25 | 100 |
| GL133-064-01 | 100 | 75 | 100 | 100 | 100 | 100 |
| GL133-065-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-065-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-065-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-065-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-066-01 | 100 | 100 | 75 | 100 | 75 | 100 |
| GL133-067-06 | | 100 | 100 | 100 | | |
| GL133-068-01 | 100 | 100 | 100 | 100 | 25 | 100 |
| GL133-068-02 | 100 | 100 | 100 | 100 | 25 | 100 |
| GL133-069-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-070-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-071-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-071-04 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL133-072-01 | 100 | 100 | 100 | 100 | 50 | 100 |
| GL133-073-18 | 100 | 100 | 100 | 100 | 100 | 100 |

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|---|---|---|---|---|---|---|
| GL133-073-26 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-074-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-074-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-075-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-075-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-076-01 | 100 | 100 | 100 | 100 | 50 | 100 |
| GL133-076-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-076-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-076-04 | 100 | 100 | 100 | 75 | 100 | 100 |
| GL133-077-01 | 100 | 75 | 75 | 100 | 100 | 100 |
| GL133-077-02 | 100 | 75 | 100 | 100 | 100 | 100 |
| GL133-078-01 | 100 | 100 | 100 | 100 | 50 | 100 |
| GL133-079-01 | 100 | 100 | 0 | 100 | 25 | 100 |
| GL133-080-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-081-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-082-01 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL133-085-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-086-10 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-086-11 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-087-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-087-04 | 100 | 100 | 100 | 100 | 0 | 100 |
| GL133-087-07 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-088-01 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL133-089-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-090-38 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-090-51 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-093-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-093-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-093-04 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL133-095-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-096-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-096-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-097-01 | 100 | 100 | 100 | 100 | 50 | 100 |
| GL133-100-01 | 75 | 0 | 75 | 75 | 50 | 75 |
| GL133-101-01 | 100 | 100 | 100 | 100 | 100 | 75 |
| GL133-102-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-102-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-103-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-104-01 | 25 | 25 | 0 | 0 | 0 | 100 |
| GL133-104-03 | 100 | 50 | 75 | 50 | 0 | 100 |
| GL133-106-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-107-01 | 100 | 100 | 100 | 100 | 100 | 0 |
| GL133-107-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-108-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-108-02 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL133-108-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-109-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-110-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-110-06 | 100 | 100 | 100 | 100 | 100 | 100 |
| | | | | | | |

# Within Limits Evaluation

Based on Single Test Results

| | Micronaire | Strength | Length | Uniformity | Color Rd | Color +b |
|---|---|---|---|---|---|---|
| Limits | 0.20 | 2.0 | 0.030 | 2.0 | 1.5 | 1.0 |
| | units | g/tex | inch | % | units | units |
| Average % Results within Limits | 94.2 | 89.1 | 92.6 | 95.7 | 80.8 | 95.5 |
| % of Instruments 100% within limits | 61.9 | 30.4 | 30.4 | 52.7 | 35.6 | 66.4 |
| % of Instruments ≥95% within limits | 85.0 | 58.1 | 70.3 | 82.4 | 50.0 | 83.6 |
| % of Instruments ≥75% within limits | 93.2 | 87.2 | 89.2 | 95.9 | 74.0 | 95.2 |
| % of Instruments ≥65% within limits | 93.2 | 89.9 | 96.6 | 98.0 | 78.8 | 95.9 |
| % of Instruments ≥50% within limits | 95.9 | 96.6 | 97.3 | 98.6 | 81.5 | 97.3 |

| Percentage of Results Within Limits | | | | | | |
|---|---|---|---|---|---|---|
| **Instrument** | **Micronaire** | **Strength** | **Length** | **Uniformity** | **Color Rd** | **Color +b** |
| GL133-001-01 | 100 | 95 | 100 | 100 | 100 | 100 |
| GL133-001-08 | 100 | 97 | 100 | 99 | 100 | 100 |
| GL133-002-01 | 99 | 92 | 100 | 98 | 100 | 100 |
| GL133-003-01 | 98 | 100 | 98 | 100 | 97 | 99 |
| GL133-004-08 | 100 | 98 | 96 | 98 | 98 | 100 |
| GL133-004-09 | 99 | 99 | 100 | 100 | 98 | 100 |
| GL133-005-01 | 98 | 80 | 89 | 99 | 99 | 100 |
| GL133-006-01 | 100 | 100 | 70 | 100 | 44 | 92 |
| GL133-006-02 | 100 | 100 | 77 | 100 | 51 | 90 |
| GL133-006-03 | 100 | 100 | 74 | 100 | 48 | 93 |
| GL133-006-06 | 100 | 100 | 77 | 100 | 48 | 92 |
| GL133-007-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-009-01 | 100 | 94 | 93 | 89 | 33 | 84 |
| GL133-009-02 | 100 | 97 | 83 | 88 | 27 | 97 |
| GL133-010-01 | 100 | 100 | 100 | 100 | 94 | 100 |
| GL133-010-02 | 100 | 100 | 98 | 100 | 97 | 100 |
| GL133-010-03 | 100 | 100 | 100 | 100 | 95 | 100 |
| GL133-010-04 | 100 | 100 | 100 | 100 | 90 | 100 |
| GL133-011-16 | 88 | 81 | 75 | 99 | 72 | 97 |
| GL133-012-04 | 36 | 0 | 70 | 68 | 40 | 28 |
| GL133-013-02 | 100 | 93 | 99 | 100 | 40 | 100 |
| GL133-014-01 | 100 | 100 | 97 | 98 | 80 | 100 |
| GL133-015-01 | 99 | 94 | 91 | 98 | 83 | 87 |
| GL133-016-03 | 100 | 92 | 99 | 95 | 100 | 100 |
| GL133-016-04 | 100 | 80 | 98 | 100 | 98 | 100 |
| GL133-016-05 | 100 | 87 | 98 | 99 | 100 | 100 |
| GL133-017-01 | 98 | 90 | 98 | 100 | 95 | 100 |
| GL133-019-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-019-04 | 99 | 100 | 100 | 100 | 100 | 100 |
| GL133-019-06 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-021-05 | 48 | 71 | 44 | 96 | 25 | 47 |
| GL133-021-06 | 50 | 79 | 50 | 95 | 50 | 50 |
| GL133-022-01 | 99 | 99 | 83 | 100 | 69 | 100 |
| GL133-023-01 | 98 | 98 | 87 | 100 | | |
| GL133-023-02 | 99 | 99 | 97 | 99 | 95 | 100 |
| GL133-028-01 | 99 | 100 | 100 | 100 | 86 | 100 |

| | | | | | | |
|---|---|---|---|---|---|---|
| GL133-029-01 | 100 | 96 | 82 | 98 | 93 | 100 |
| GL133-029-02 | 98 | 98 | 100 | 99 | 79 | 100 |
| GL133-030-02 | 100 | 70 | 96 | 99 | 43 | 99 |
| GL133-031-01 | 100 | 78 | 100 | 100 | 100 | 98 |
| GL133-032-01 | 100 | 97 | 98 | 100 | 100 | 100 |
| GL133-032-05 | 100 | 96 | 88 | 100 | 80 | 100 |
| GL133-032-07 | 100 | 100 | 100 | 93 | 68 | 93 |
| GL133-032-08 | 99 | 100 | 93 | 95 | 24 | 96 |
| GL133-034-01 | 98 | 50 | 97 | 99 | 62 | 100 |
| GL133-034-03 | 99 | 79 | 95 | 97 | 79 | 99 |
| GL133-035-01 | 90 | 79 | 99 | 93 | 89 | 78 |
| GL133-036-01 | 93 | 77 | 89 | 91 | 33 | 50 |
| GL133-037-01 | 99 | 86 | 97 | 100 | 99 | 100 |
| GL133-038-01 | 100 | 51 | 98 | 96 | 84 | 100 |
| GL133-039-01 | 100 | 98 | 100 | 100 | 100 | 100 |
| GL133-039-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-040-01 | 98 | 97 | 96 | 95 | 100 | 95 |
| GL133-041-01 | 14 | 21 | 16 | 17 | 27 | 46 |
| GL133-042-01 | 96 | 92 | 92 | 99 | 98 | 99 |
| GL133-043-01 | 99 | 87 | 99 | 99 | 100 | 100 |
| GL133-043-02 | 100 | 97 | 98 | 100 | 100 | 100 |
| GL133-044-01 | 100 | 98 | 98 | 100 | 100 | 100 |
| GL133-045-01 | 100 | 67 | 68 | 100 | 100 | 99 |
| GL133-046-01 | 91 | 57 | 89 | 98 | 8 | 99 |
| GL133-047-03 | 100 | 98 | 99 | 100 | 100 | 100 |
| GL133-048-01 | 99 | 98 | 97 | 100 | 100 | 100 |
| GL133-049-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-049-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-049-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-049-06 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-050-01 | 2 | 58 | 72 | 92 | 43 | 82 |
| GL133-050-02 | 2 | 58 | 71 | 90 | 44 | 80 |
| GL133-051-01 | 100 | 83 | 94 | 95 | 76 | 100 |
| GL133-053-02 | 100 | 84 | 100 | 100 | 96 | 100 |
| GL133-053-03 | 100 | 98 | 99 | 100 | 95 | 100 |
| GL133-054-01 | 52 | 95 | 94 | 82 | 100 | 100 |
| GL133-054-02 | 78 | 84 | 73 | 72 | 0 | 99 |
| GL133-056-01 | 100 | 98 | 100 | 98 | 24 | 100 |
| GL133-057-01 | 100 | 98 | 99 | 95 | 85 | 94 |
| GL133-057-03 | 99 | 78 | 98 | 100 | 96 | 100 |
| GL133-058-01 | 99 | 94 | 85 | 100 | 100 | 100 |
| GL133-061-01 | 100 | 100 | 99 | 100 | 100 | 100 |
| GL133-061-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-061-05 | 100 | 99 | 99 | 100 | 99 | 99 |
| GL133-062-01 | 100 | 61 | 85 | 95 | 98 | 97 |
| GL133-062-02 | 100 | 61 | 85 | 95 | 98 | 97 |
| GL133-063-03 | 58 | 90 | 98 | 98 | 34 | 98 |
| GL133-063-04 | 58 | 90 | 98 | 98 | 34 | 98 |
| GL133-064-01 | 100 | 78 | 98 | 98 | 82 | 100 |
| GL133-065-01 | 98 | 99 | 100 | 100 | 90 | 100 |
| GL133-065-02 | 100 | 98 | 98 | 96 | 93 | 100 |
| GL133-065-03 | 100 | 100 | 99 | 99 | 100 | 100 |
| GL133-065-04 | 100 | 100 | 100 | 99 | 100 | 100 |
| GL133-066-01 | 94 | 98 | 68 | 94 | 77 | 100 |
| GL133-067-06 | | 62 | 93 | 71 | | |
| GL133-068-01 | 100 | 81 | 100 | 99 | 38 | 100 |
| GL133-068-02 | 98 | 92 | 100 | 100 | 28 | 100 |
| GL133-069-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-070-04 | 100 | 98 | 100 | 100 | 100 | 89 |
| GL133-071-01 | 100 | 97 | 99 | 100 | 100 | 100 |

| | | | | | | |
|---|---|---|---|---|---|---|
| GL133-071-04 | 96 | 72 | 94 | 94 | 68 | 100 |
| GL133-072-01 | 100 | 91 | 98 | 95 | 69 | 100 |
| GL133-073-18 | 100 | 99 | 100 | 100 | 100 | 100 |
| GL133-073-26 | 100 | 100 | 99 | 100 | 100 | 100 |
| GL133-074-01 | 100 | 96 | 99 | 100 | 100 | 100 |
| GL133-074-02 | 100 | 94 | 95 | 100 | 100 | 100 |
| GL133-075-01 | 100 | 100 | 100 | 100 | 98 | 100 |
| GL133-075-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-076-01 | 100 | 100 | 99 | 100 | 68 | 98 |
| GL133-076-02 | 100 | 100 | 100 | 100 | 80 | 97 |
| GL133-076-03 | 100 | 100 | 100 | 98 | 95 | 100 |
| GL133-076-04 | 100 | 100 | 93 | 83 | 88 | 100 |
| GL133-077-01 | 93 | 53 | 73 | 79 | 84 | 98 |
| GL133-077-02 | 93 | 53 | 87 | 79 | 84 | 98 |
| GL133-078-01 | 83 | 83 | 96 | 99 | 63 | 100 |
| GL133-079-01 | 98 | 88 | 40 | 78 | 41 | 91 |
| GL133-080-01 | 100 | 94 | 96 | 100 | 99 | 100 |
| GL133-081-01 | 100 | 97 | 97 | 100 | 100 | 100 |
| GL133-082-01 | 100 | 100 | 99 | 100 | 74 | 100 |
| GL133-085-01 | 100 | 93 | 99 | 98 | 91 | 66 |
| GL133-086-10 | 95 | 98 | 99 | 100 | 94 | 100 |
| GL133-086-11 | 98 | 89 | 98 | 100 | 100 | 100 |
| GL133-087-02 | 98 | 89 | 99 | 98 | 90 | 99 |
| GL133-087-04 | 89 | 100 | 96 | 89 | 13 | 99 |
| GL133-087-07 | 100 | 98 | 98 | 100 | 96 | 100 |
| GL133-088-01 | 100 | 93 | 100 | 100 | 88 | 100 |
| GL133-089-01 | 100 | 95 | 98 | 98 | 91 | 100 |
| GL133-090-38 | 100 | 98 | 100 | 100 | 100 | 100 |
| GL133-090-51 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL133-093-01 | 100 | 98 | 97 | 98 | 87 | 100 |
| GL133-093-02 | 100 | 93 | 100 | 100 | 100 | 100 |
| GL133-093-04 | 100 | 100 | 96 | 87 | 77 | 100 |
| GL133-095-01 | 100 | 95 | 83 | 93 | 100 | 91 |
| GL133-096-01 | 100 | 99 | 99 | 100 | 100 | 99 |
| GL133-096-02 | 100 | 99 | 99 | 100 | 100 | 99 |
| GL133-097-01 | 100 | 95 | 100 | 100 | 49 | 100 |
| GL133-100-01 | 75 | 8 | 74 | 75 | 49 | 75 |
| GL133-101-01 | 76 | 94 | 92 | 93 | 89 | 79 |
| GL133-102-01 | 99 | 100 | 100 | 100 | 100 | 100 |
| GL133-102-02 | 100 | 100 | 98 | 100 | 100 | 100 |
| GL133-103-01 | 100 | 93 | 96 | 98 | 100 | 100 |
| GL133-104-01 | 39 | 28 | 48 | 33 | 2 | 100 |
| GL133-104-03 | 98 | 37 | 65 | 59 | 3 | 100 |
| GL133-106-03 | 100 | 93 | 99 | 100 | 94 | 100 |
| GL133-107-01 | 100 | 88 | 93 | 97 | 100 | 19 |
| GL133-107-03 | 98 | 85 | 84 | 88 | 80 | 87 |
| GL133-108-01 | 98 | 100 | 96 | 100 | 100 | 100 |
| GL133-108-02 | 100 | 100 | 100 | 100 | 81 | 100 |
| GL133-108-05 | 98 | 100 | 98 | 100 | 100 | 100 |
| GL133-109-01 | 100 | 96 | 100 | 100 | 93 | 100 |
| GL133-110-02 | 100 | 100 | 100 | 100 | 92 | 100 |
| GL133-110-06 | 100 | 100 | 100 | 100 | 88 | 100 |
| | | | | | | |