**International Cotton Advisory Committee**

# CSITC
# Global - Round Trial 2013 - 4
## 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 - 4

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

| Micronaire | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 3.982 | 4.062 | 4.839 | 3.966 | |
| **Reference Values for Evaluation** | | | 3.982 | 4.062 | 4.839 | 3.966 | |
| **Number Of Instruments** | | | 151 | 151 | 151 | 151 | **151** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.069 | 0.084 | 0.053 | 0.073 | **0.070** |
| | | CV % | 1.7 | 2.1 | 1.1 | 1.8 | **1.7** |
| | based on 6 tests | SD | 0.075 | 0.086 | 0.063 | 0.081 | **0.076** |
| | | CV % | 1.9 | 2.1 | 1.3 | 2.0 | **1.8** |
| | based on single tests | SD | 0.089 | 0.096 | 0.074 | 0.089 | **0.087** |
| | | CV % | 2.2 | 2.4 | 1.5 | 2.2 | **2.1** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.028 | 0.027 | 0.026 | 0.022 | **0.026** |
| | | CV % | 0.7 | 0.7 | 0.5 | 0.6 | **0.6** |
| | between single tests on one day | SD | 0.044 | 0.038 | 0.038 | 0.035 | **0.039** |
| | | CV % | 1.1 | 0.9 | 0.8 | 0.9 | **0.9** |
| | between all tests on different days | SD | 0.053 | 0.049 | 0.048 | 0.042 | **0.048** |
| | | CV % | 1.3 | 1.2 | 1.0 | 1.1 | **1.1** |

| Strength | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 24.546 | 29.048 | 26.966 | 33.475 | |
| **Reference Values for Evaluation** | | | 24.546 | 29.048 | 26.966 | 33.475 | |
| **Number Of Instruments** | | | 151 | 151 | 151 | 151 | **151** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.971 | 0.845 | 0.942 | 0.878 | **0.909** |
| | | CV % | 4.0 | 2.9 | 3.5 | 2.6 | **3.2** |
| | based on 6 tests | SD | 1.054 | 0.918 | 0.997 | 0.954 | **0.981** |
| | | CV % | 4.3 | 3.2 | 3.7 | 2.8 | **3.5** |
| | based on single tests | SD | 1.185 | 1.092 | 1.153 | 1.122 | **1.138** |
| | | CV % | 4.8 | 3.8 | 4.3 | 3.4 | **4.1** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.316 | 0.390 | 0.339 | 0.339 | **0.346** |
| | | CV % | 1.3 | 1.3 | 1.3 | 1.0 | **1.2** |
| | between single tests on one day | SD | 0.542 | 0.604 | 0.531 | 0.547 | **0.556** |
| | | CV % | 2.2 | 2.1 | 2.0 | 1.6 | **2.0** |
| | between all tests on different days | SD | 0.615 | 0.712 | 0.620 | 0.643 | **0.647** |
| | | CV % | 2.5 | 2.4 | 2.3 | 1.9 | **2.3** |

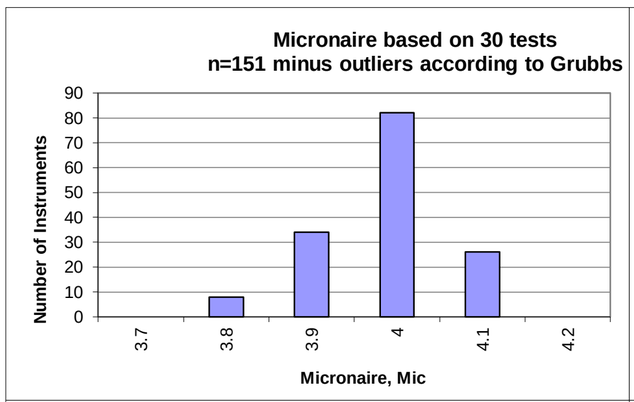
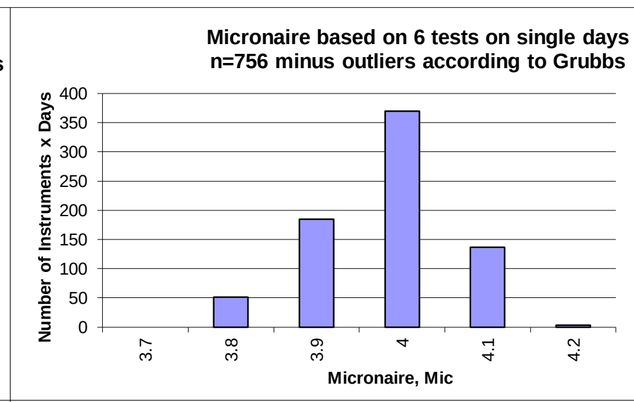
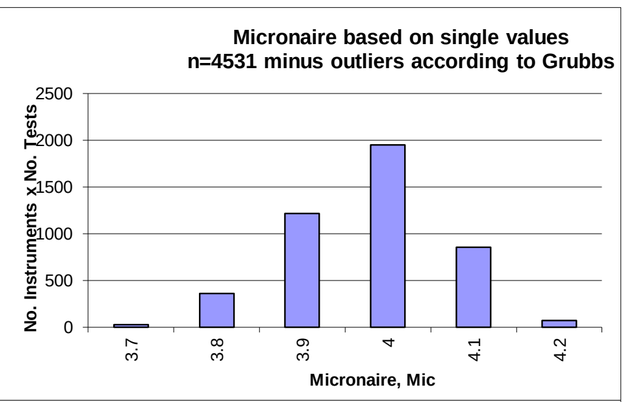
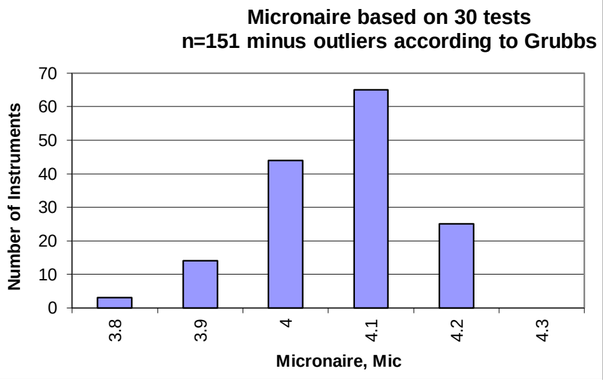
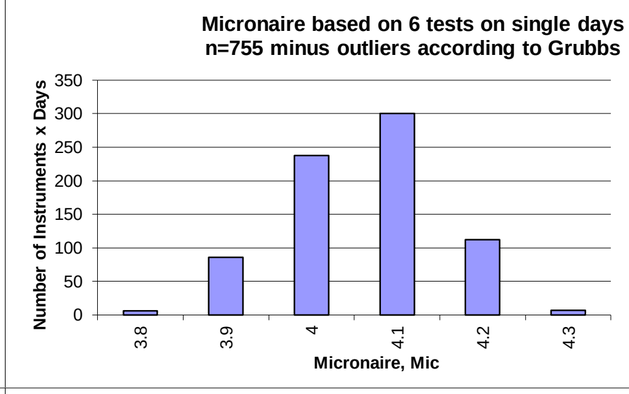
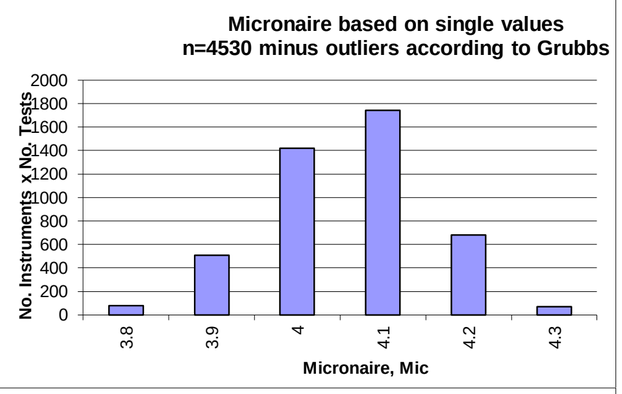
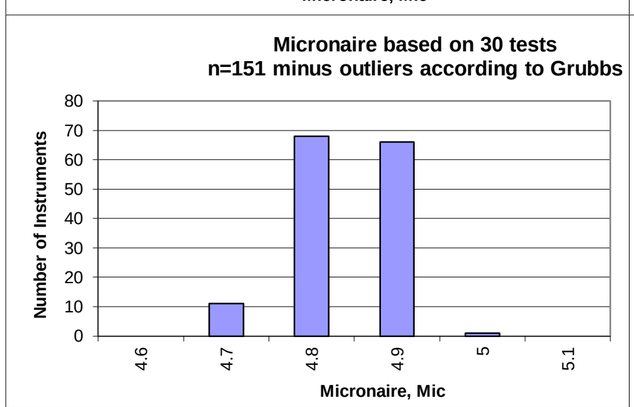
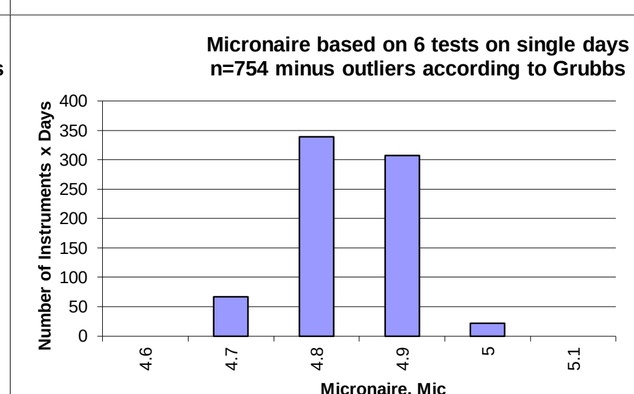
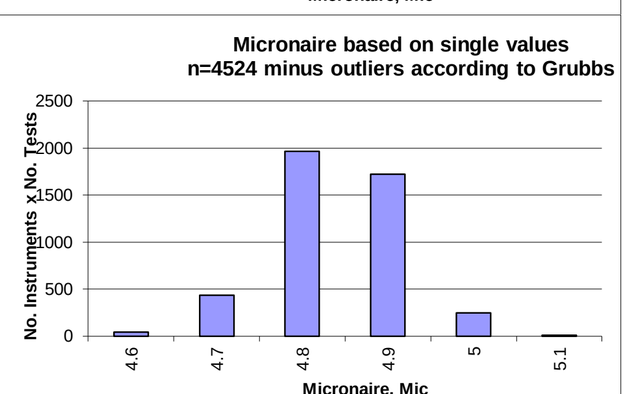
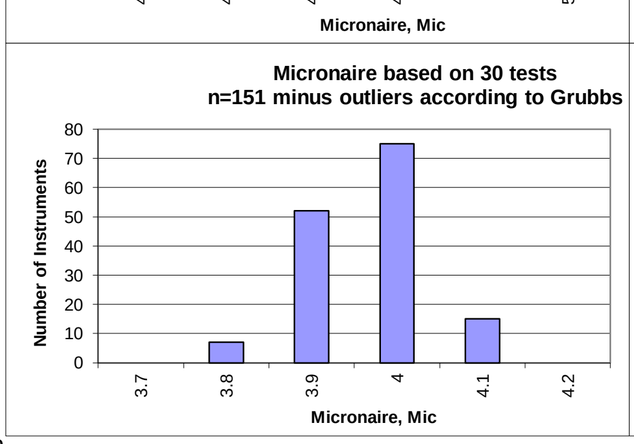
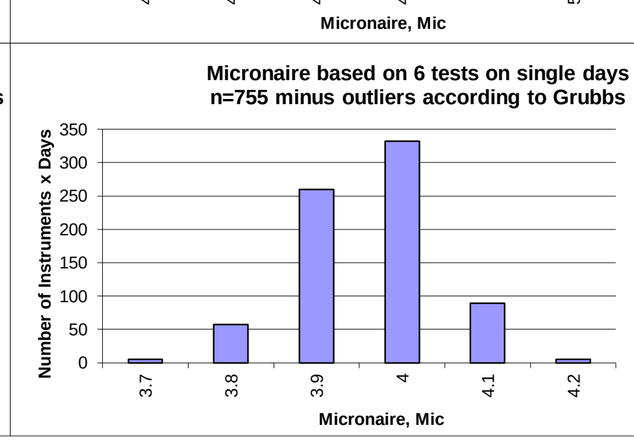
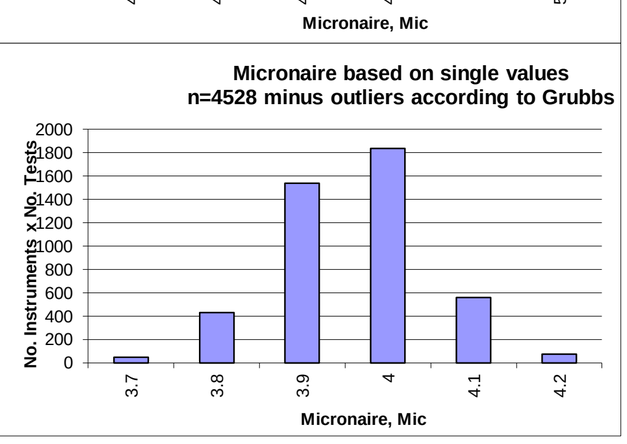
| Length | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 0.9831 | 1.0980 | 1.0166 | 1.1940 | |
| **Reference Values for Evaluation** | | | 0.9831 | 1.0980 | 1.0166 | 1.1940 | |
| **Number Of Instruments** | | | 152 | 152 | 152 | 152 | **152** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.0118 | 0.0112 | 0.0115 | 0.0105 | **0.0112** |
| | | CV % | 1.2 | 1.0 | 1.1 | 0.9 | **1.1** |
| | based on 6 tests | SD | 0.0136 | 0.0125 | 0.0124 | 0.0117 | **0.0126** |
| | | CV % | 1.4 | 1.1 | 1.2 | 1.0 | **1.2** |
| | based on single tests | SD | 0.0171 | 0.0165 | 0.0161 | 0.0147 | **0.0161** |
| | | CV % | 1.7 | 1.5 | 1.6 | 1.2 | **1.5** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.0055 | 0.0053 | 0.0055 | 0.0053 | **0.0054** |
| | | CV % | 0.6 | 0.5 | 0.5 | 0.4 | **0.5** |
| | between single tests on one day | SD | 0.0110 | 0.0108 | 0.0102 | 0.0090 | **0.0103** |
| | | CV % | 1.1 | 1.0 | 1.0 | 0.8 | **1.0** |
| | between all tests on different days | SD | 0.0122 | 0.0122 | 0.0114 | 0.0107 | **0.0116** |
| | | CV % | 1.2 | 1.1 | 1.1 | 0.9 | **1.1** |

| Uniformity | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 79.708 | 79.913 | 80.905 | 83.570 | |
| **Reference Values for Evaluation** | | | 79.708 | 79.913 | 80.905 | 83.570 | |
| **Number Of Instruments** | | | 152 | 152 | 152 | 152 | **152** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.658 | 0.534 | 0.512 | 0.437 | **0.535** |
| | | CV % | 0.8 | 0.7 | 0.6 | 0.5 | **0.7** |
| | based on 6 tests | SD | 0.691 | 0.629 | 0.660 | 0.531 | **0.628** |
| | | CV % | 0.9 | 0.8 | 0.8 | 0.6 | **0.8** |
| | based on single tests | SD | 0.848 | 0.814 | 0.823 | 0.704 | **0.797** |
| | | CV % | 1.1 | 1.0 | 1.0 | 0.8 | **1.0** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.290 | 0.288 | 0.263 | 0.265 | **0.277** |
| | | CV % | 0.4 | 0.4 | 0.3 | 0.3 | **0.3** |
| | between single tests on one day | SD | 0.532 | 0.543 | 0.507 | 0.480 | **0.515** |
| | | CV % | 0.7 | 0.7 | 0.6 | 0.6 | **0.6** |
| | between all tests on different days | SD | 0.593 | 0.607 | 0.574 | 0.553 | **0.582** |
| | | CV % | 0.7 | 0.8 | 0.7 | 0.7 | **0.7** |

| Color Rd | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 75.127 | 79.567 | 76.233 | 75.690 | |
| **Reference Values for Evaluation** | | | 75.127 | 79.567 | 76.233 | 75.690 | |
| **Number Of Instruments** | | | 150 | 150 | 150 | 150 | **150** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.680 | 0.893 | 0.800 | 0.851 | **0.806** |
| | | CV % | 0.9 | 1.1 | 1.0 | 1.1 | **1.1** |
| | based on 6 tests | SD | 0.709 | 0.864 | 0.835 | 0.884 | **0.823** |
| | | CV % | 0.9 | 1.1 | 1.1 | 1.2 | **1.1** |
| | based on single tests | SD | 0.748 | 0.899 | 0.877 | 0.913 | **0.859** |
| | | CV % | 1.0 | 1.1 | 1.2 | 1.2 | **1.1** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.199 | 0.166 | 0.185 | 0.177 | **0.182** |
| | | CV % | 0.3 | 0.2 | 0.2 | 0.2 | **0.2** |
| | between single tests on one day | SD | 0.207 | 0.193 | 0.184 | 0.180 | **0.191** |
| | | CV % | 0.3 | 0.2 | 0.2 | 0.2 | **0.2** |
| | between all tests on different days | SD | 0.285 | 0.268 | 0.299 | 0.261 | **0.278** |
| | | CV % | 0.4 | 0.3 | 0.4 | 0.3 | **0.4** |

| Color +b | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 10.669 | 12.504 | 10.976 | 12.159 | |
| **Reference Values for Evaluation** | | | 10.669 | 12.504 | 10.976 | 12.159 | |
| **Number Of Instruments** | | | 150 | 150 | 150 | 150 | **150** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.272 | 0.372 | 0.298 | 0.371 | **0.328** |
| | | CV % | 2.5 | 3.0 | 2.7 | 3.0 | **2.8** |
| | based on 6 tests | SD | 0.284 | 0.417 | 0.330 | 0.391 | **0.356** |
| | | CV % | 2.7 | 3.3 | 3.0 | 3.2 | **3.1** |
| | based on single tests | SD | 0.312 | 0.438 | 0.350 | 0.417 | **0.379** |
| | | CV % | 2.9 | 3.5 | 3.2 | 3.4 | **3.3** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.096 | 0.106 | 0.117 | 0.106 | **0.106** |
| | | CV % | 0.9 | 0.8 | 1.1 | 0.9 | **0.9** |
| | between single tests on one day | SD | 0.104 | 0.105 | 0.114 | 0.101 | **0.106** |
| | | CV % | 1.0 | 0.8 | 1.0 | 0.8 | **0.9** |
| | between all tests on different days | SD | 0.149 | 0.158 | 0.164 | 0.147 | **0.154** |
| | | CV % | 1.4 | 1.3 | 1.5 | 1.2 | **1.3** |

Test Result Distributions
Micronaire

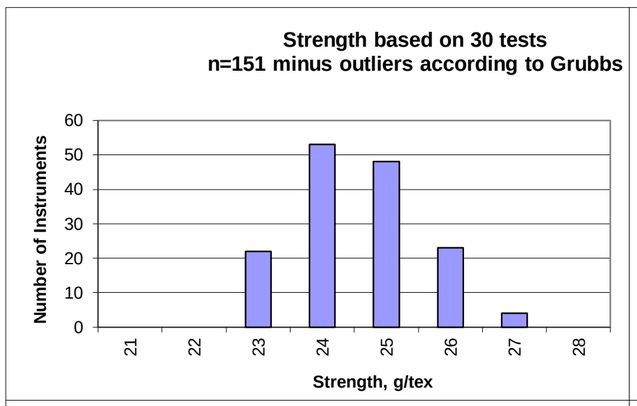
| | | | |
|---|---|---|---|
| **Cotton 1** |  |  |  |
| **Cotton 2** |  |  |  |
| **Cotton 3** |  |  |  |
| **Cotton 4** |  |  |  |

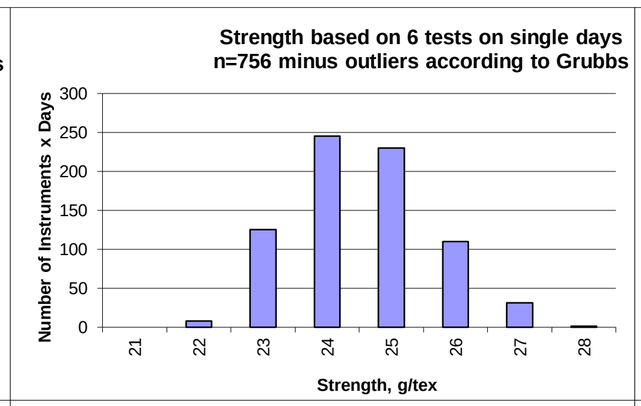
**0**

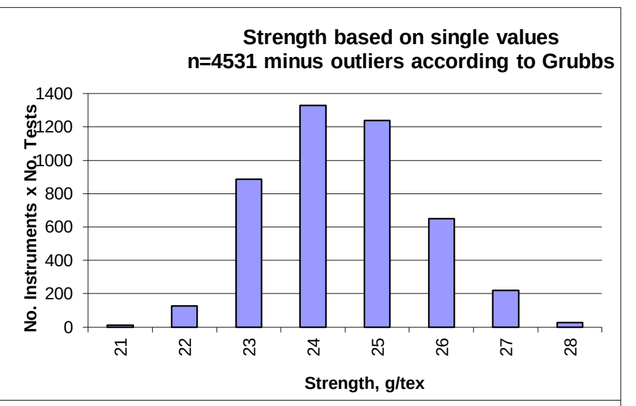
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method.)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Strength

**Cotton 1**

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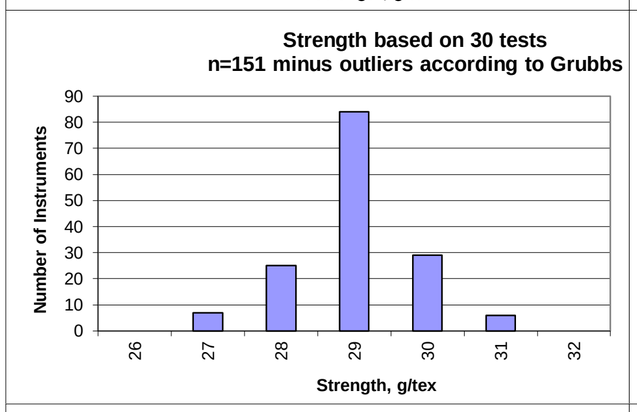
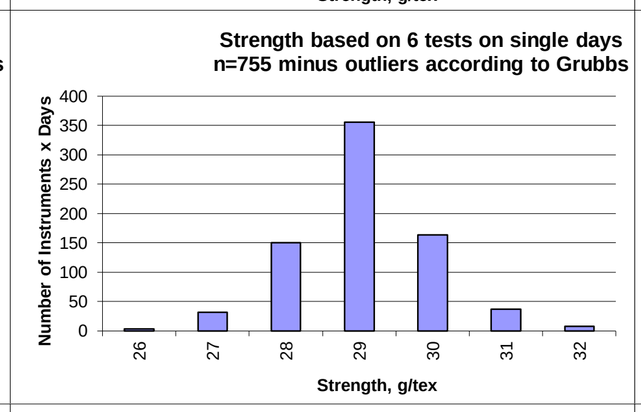
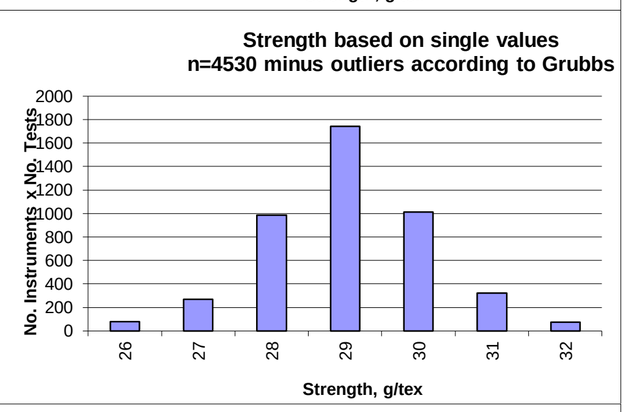
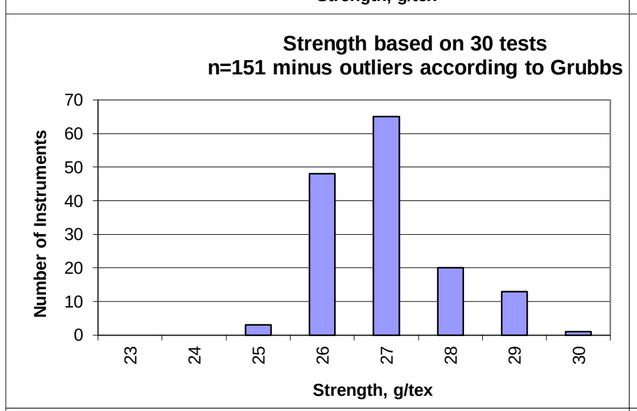
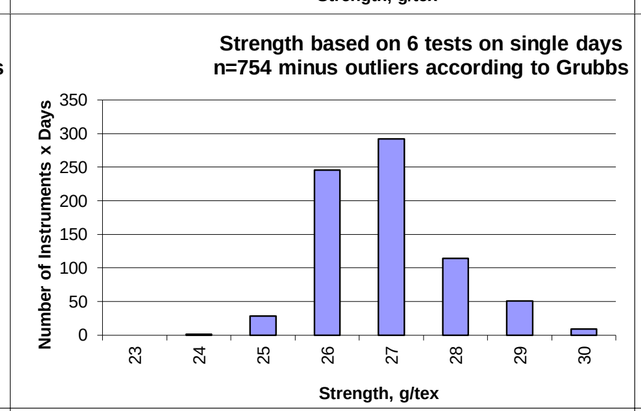


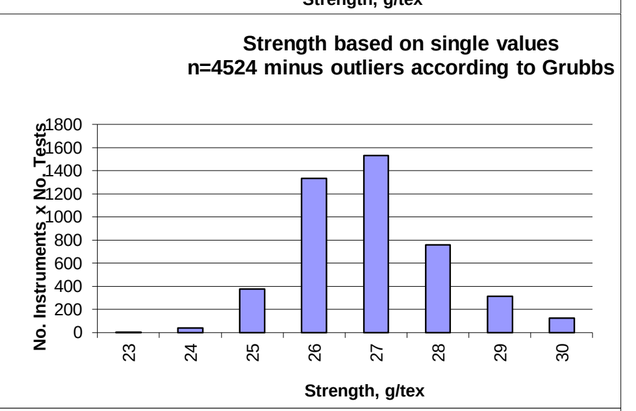




**Cotton 3**

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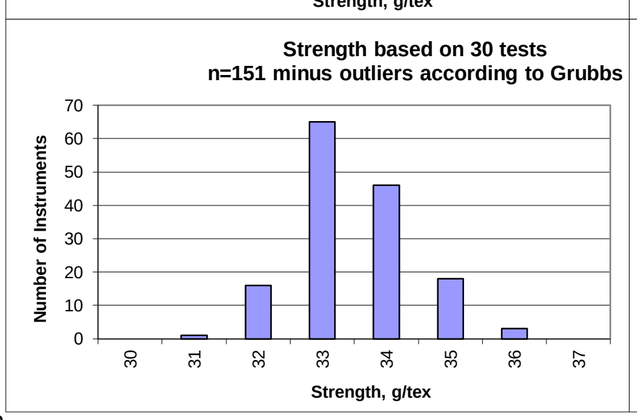
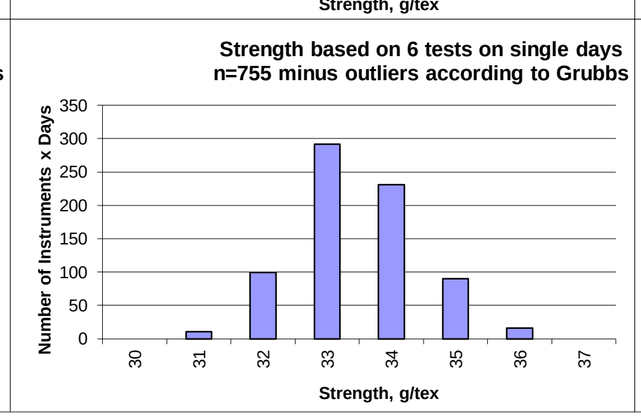
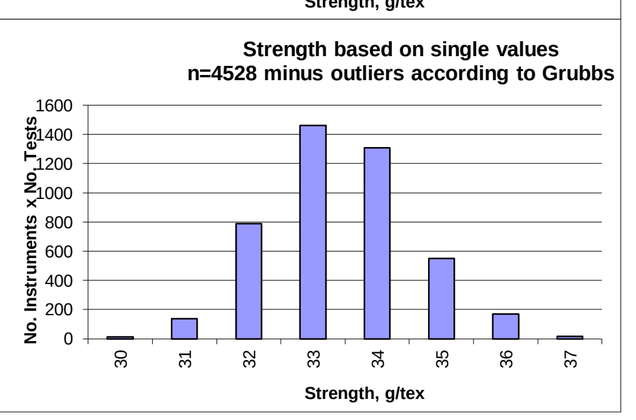


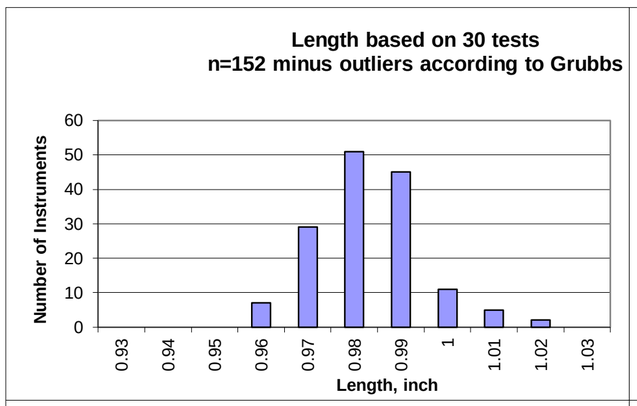



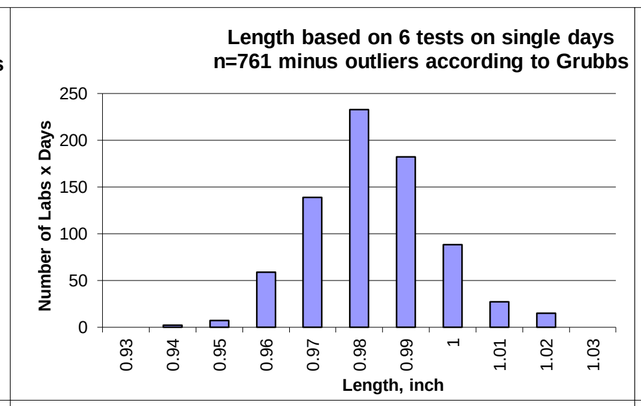

**0**

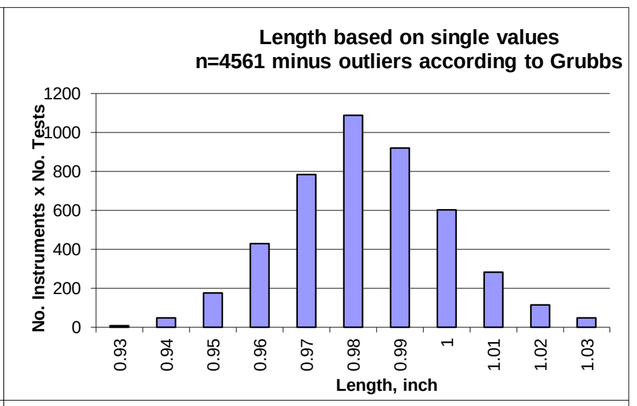
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Length

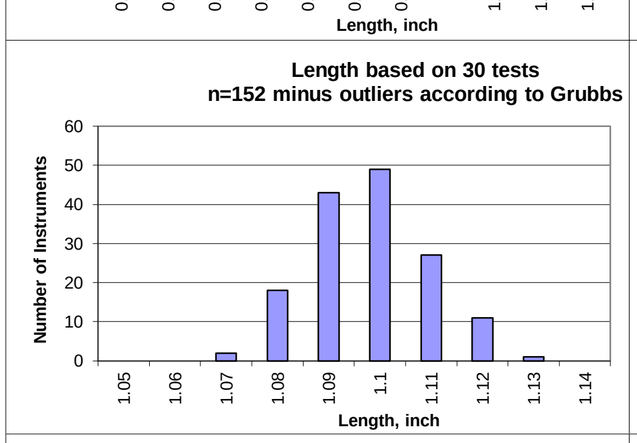
**Cotton 1**

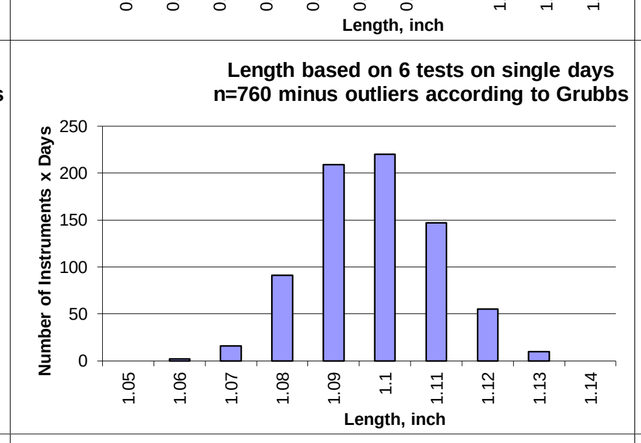


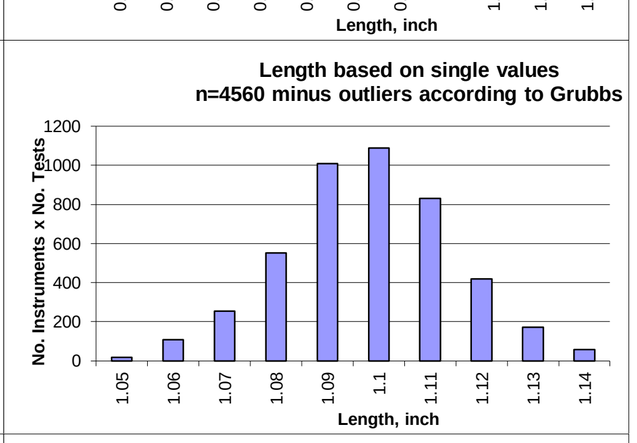



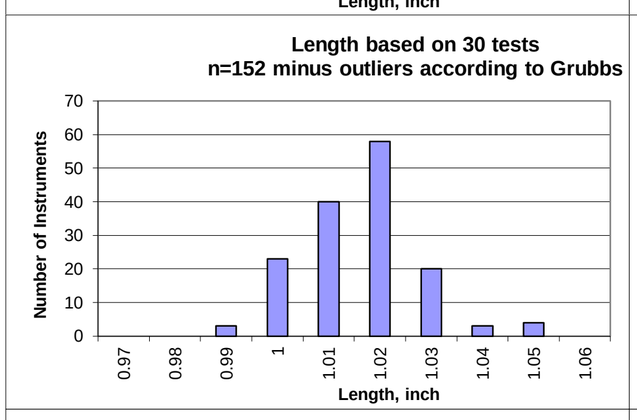

**Cotton 2**

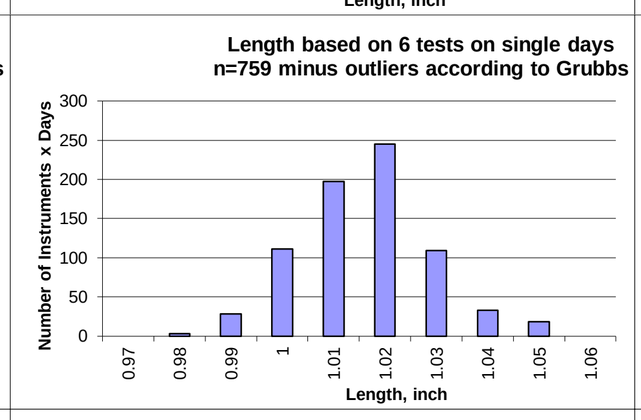


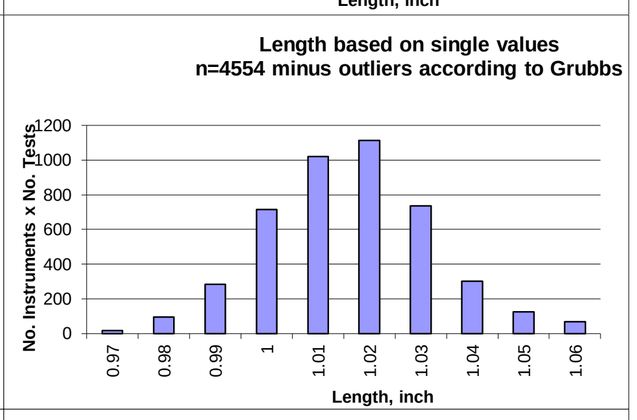



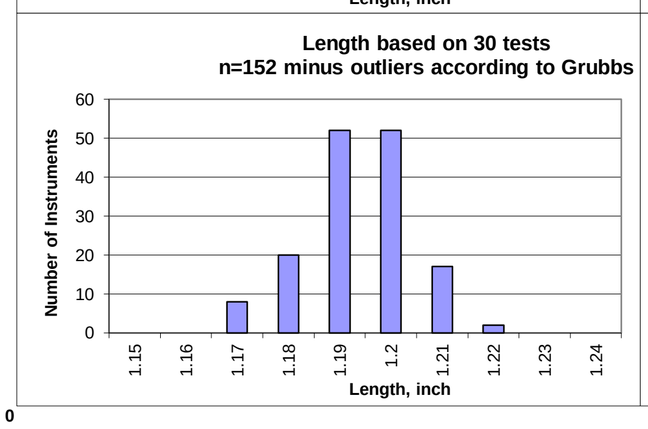

**Cotton 3**

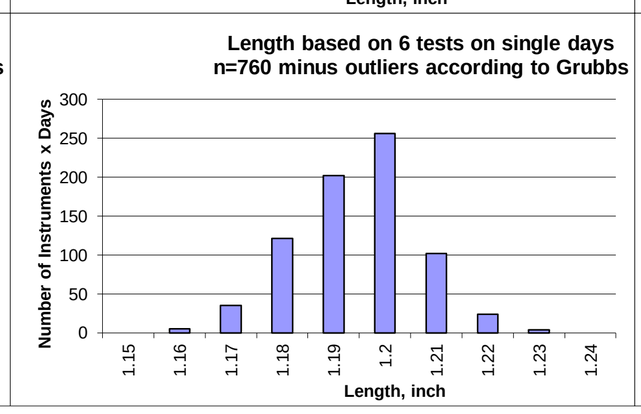


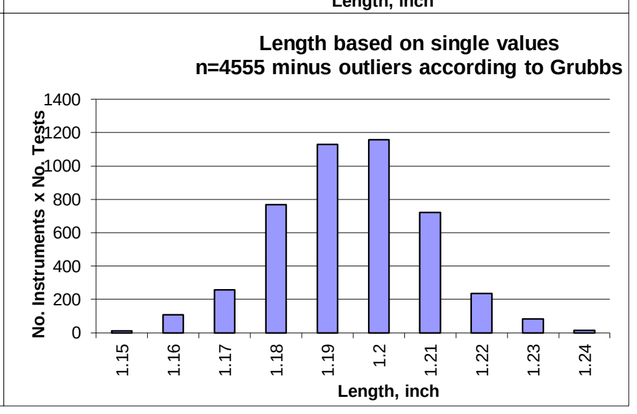




**Cotton 4**



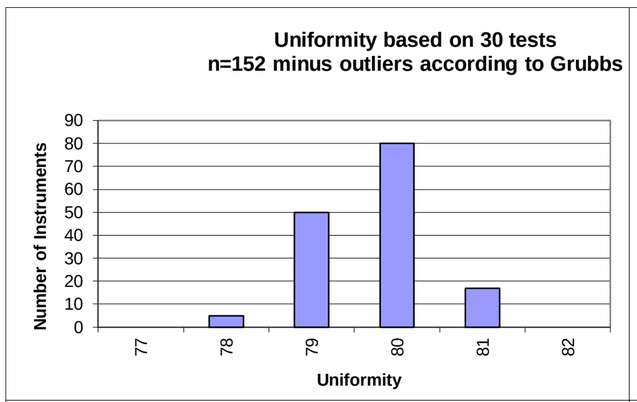



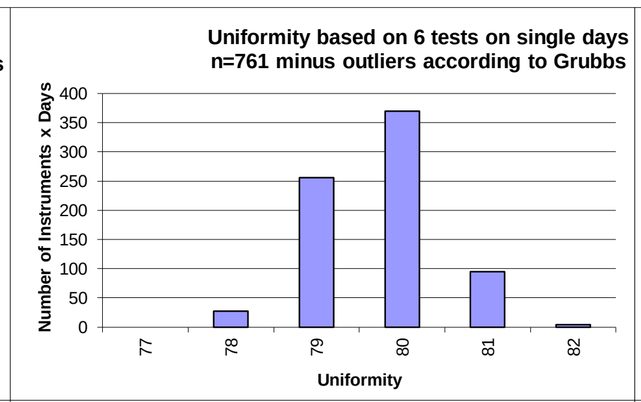

0

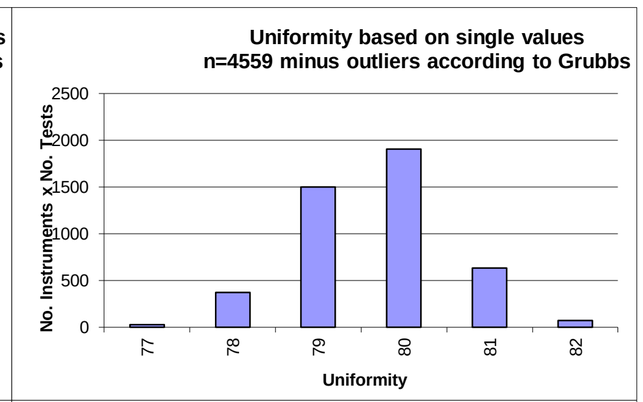
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Uniformity

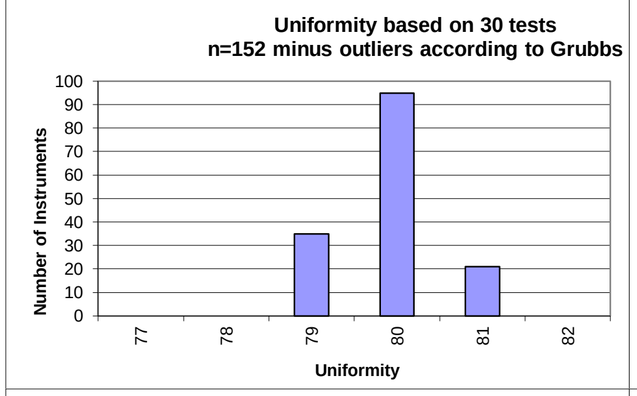
**Cotton 1**

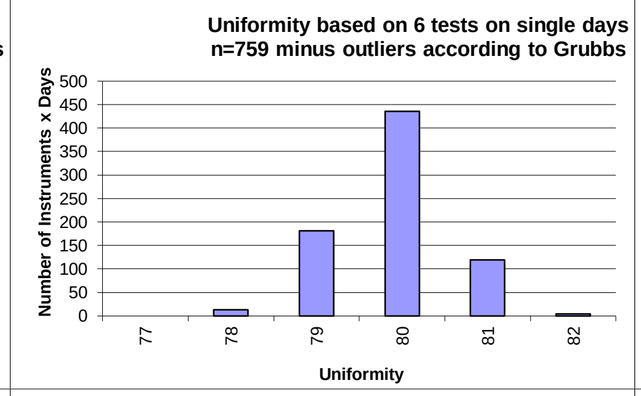


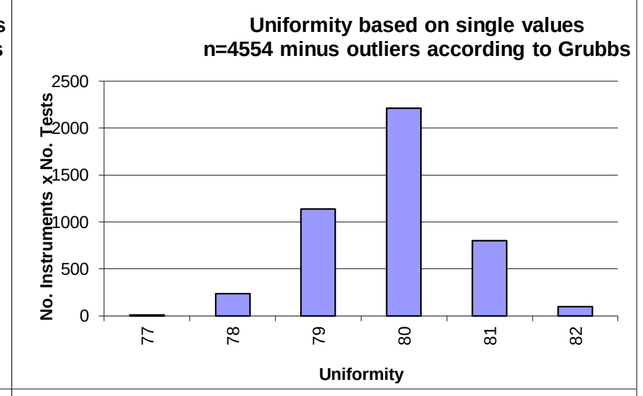



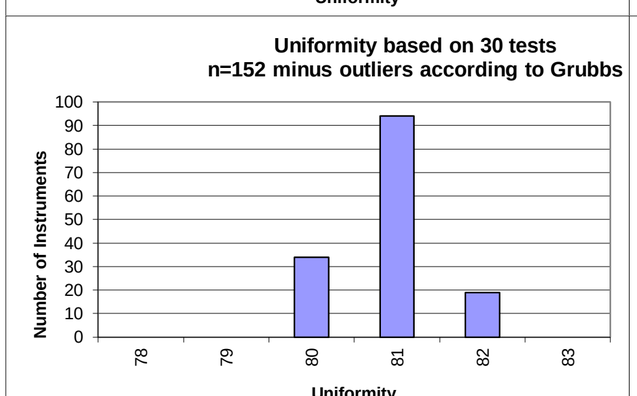

**Cotton 2**

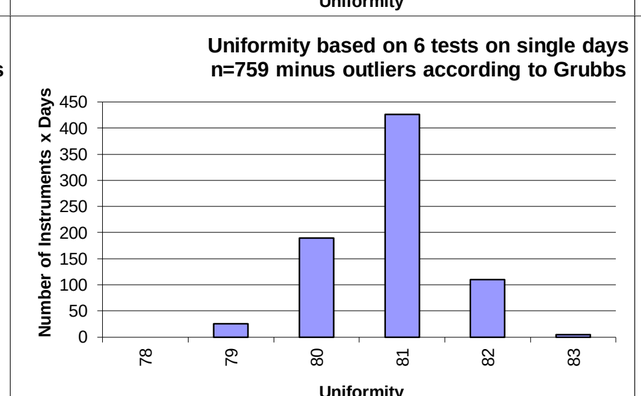


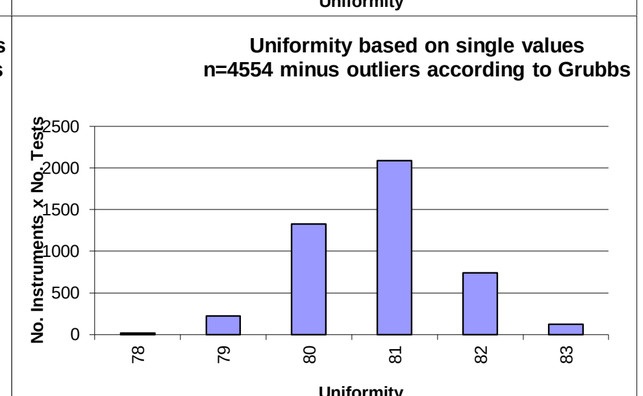



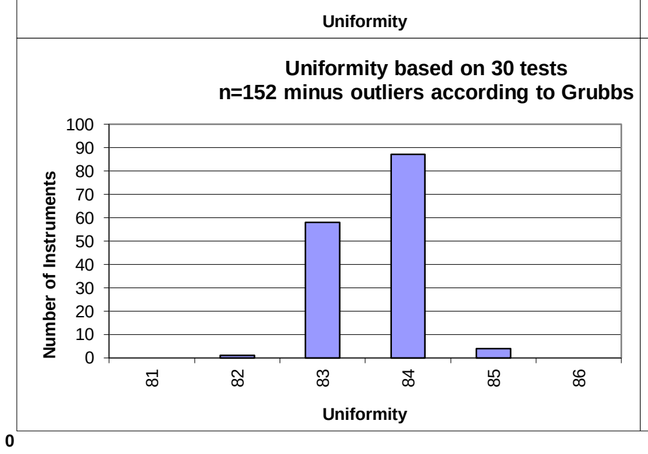

**Cotton 3**

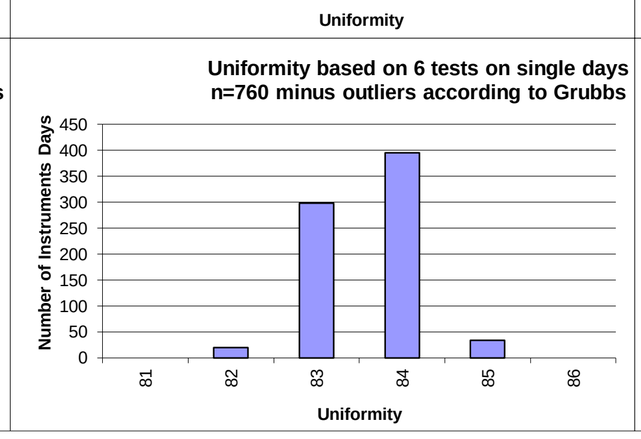


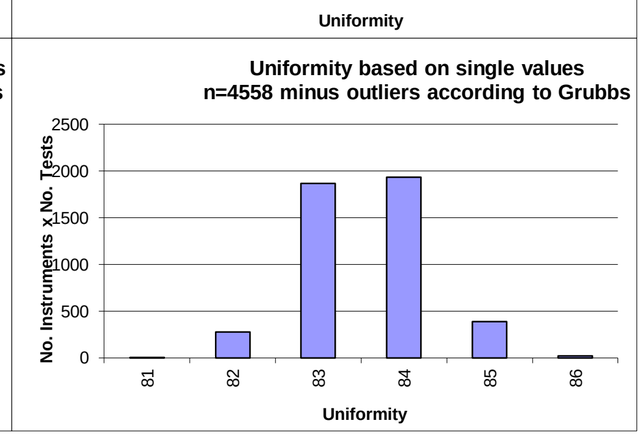




**Cotton 4**



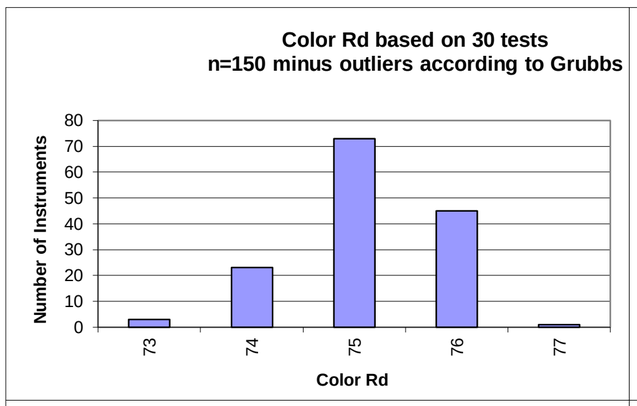



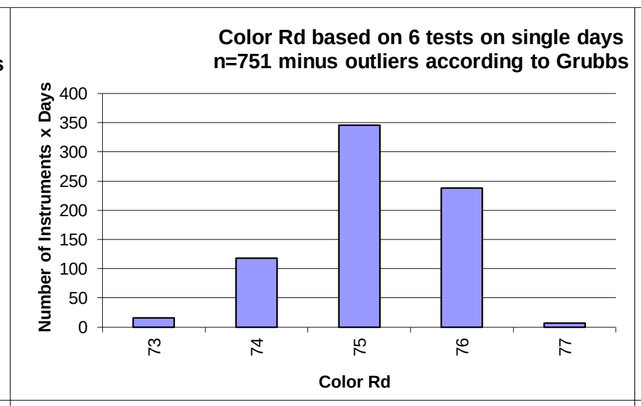

**0**

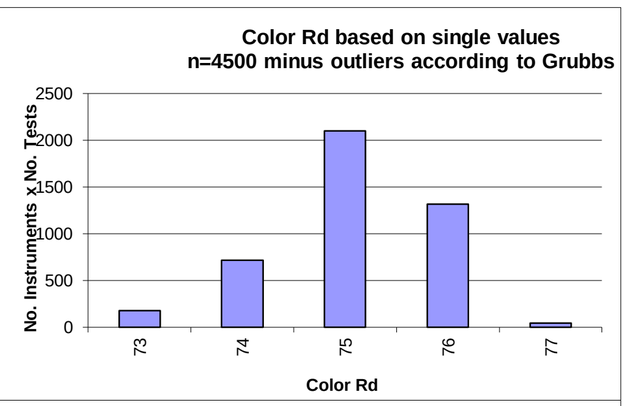
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Color Rd

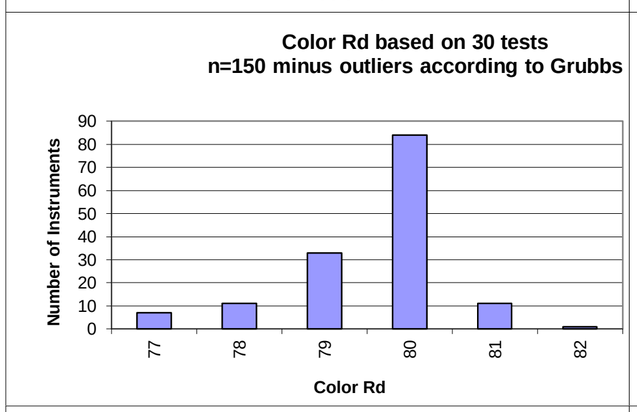
**Cotton 1**

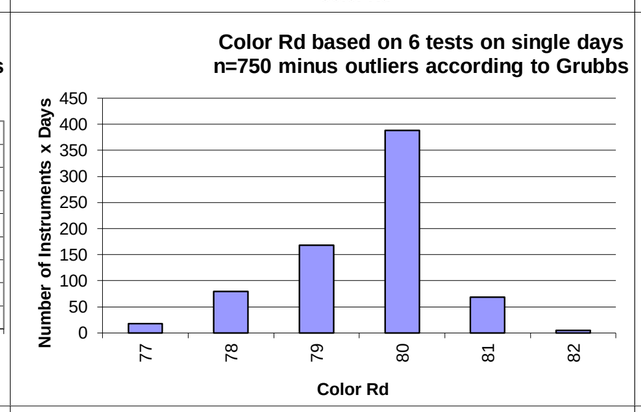


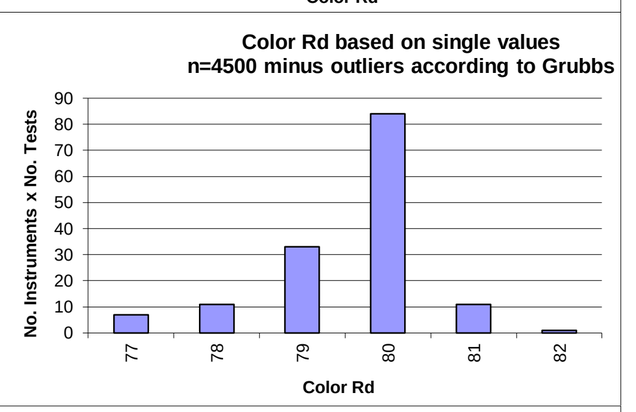



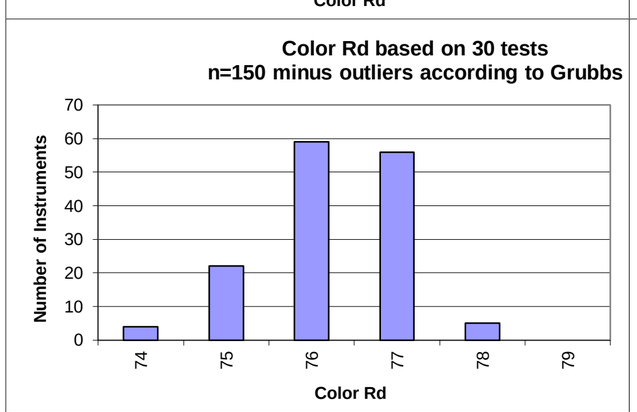

**Cotton 2**

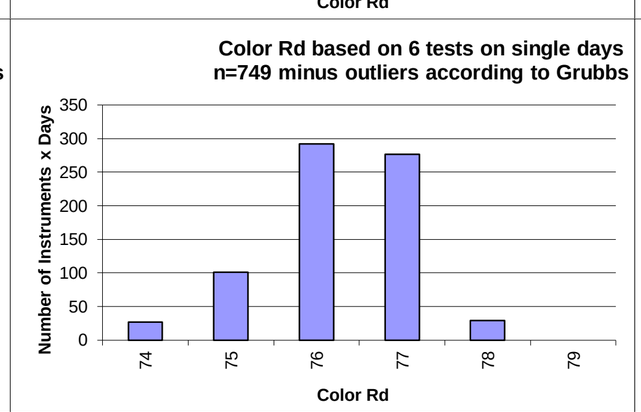


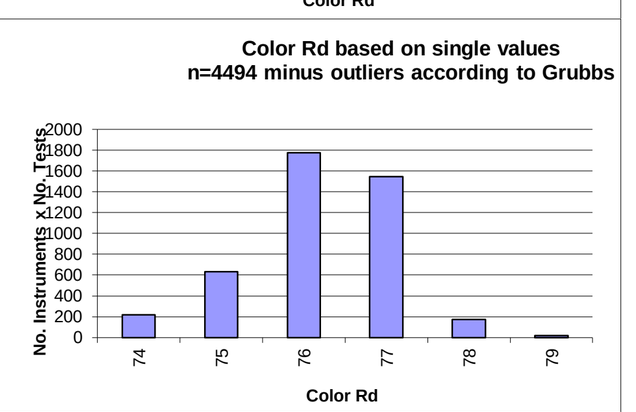



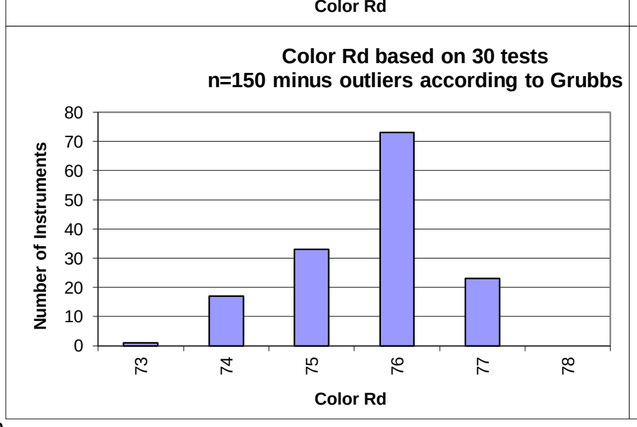

**Cotton 3**

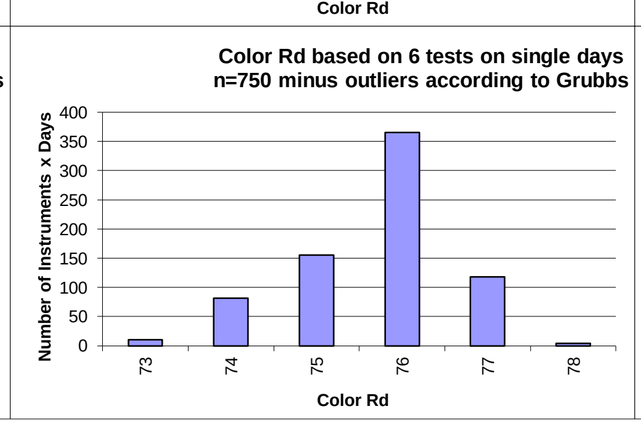


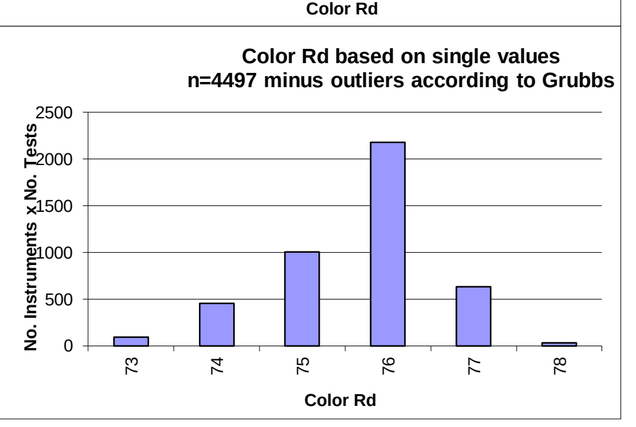




**Cotton 4**

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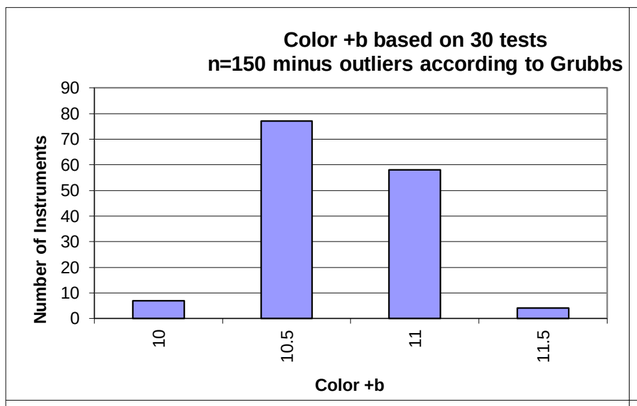
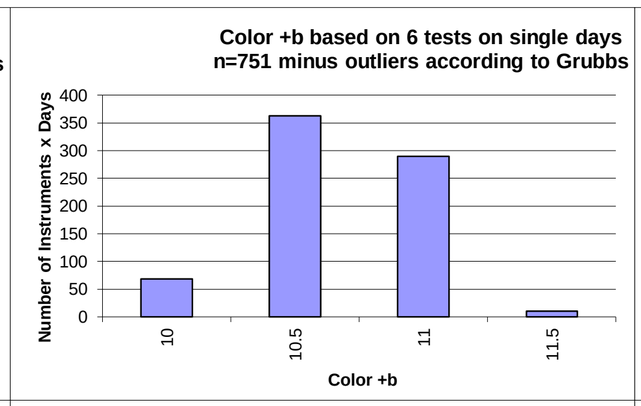
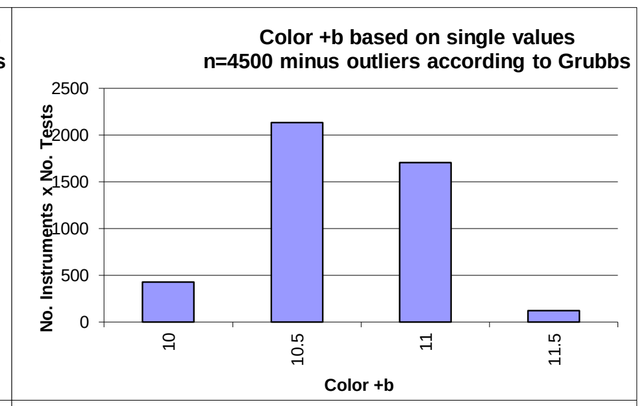
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Color +b

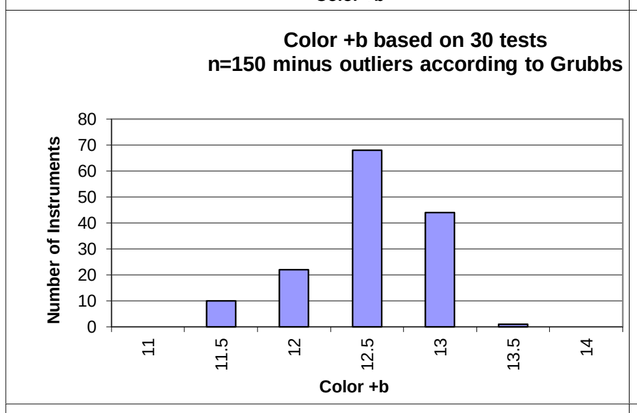
**Cotton 1**

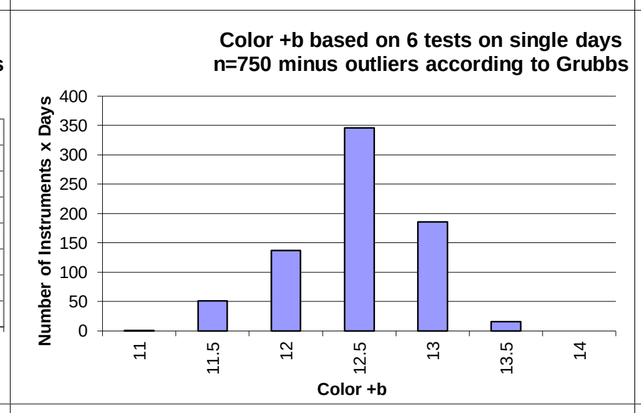


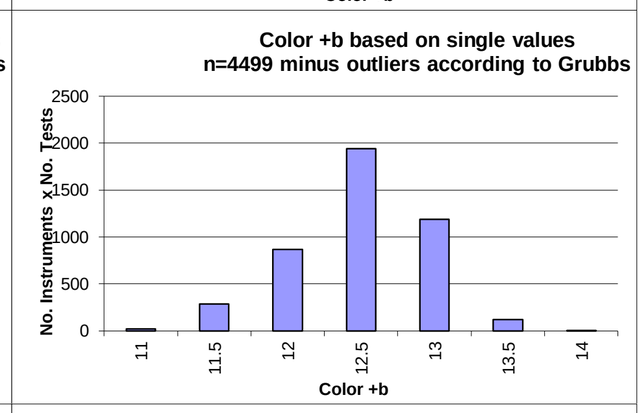



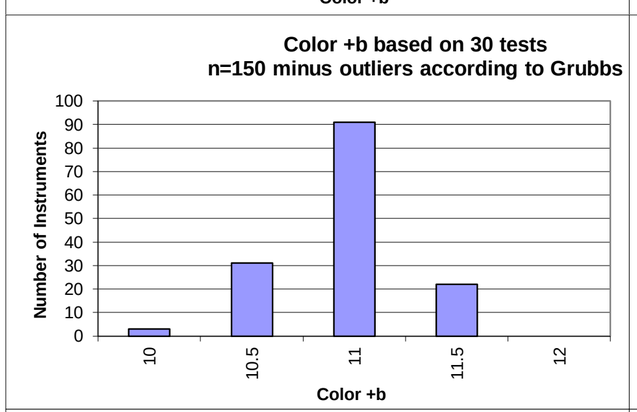

**Cotton 2**

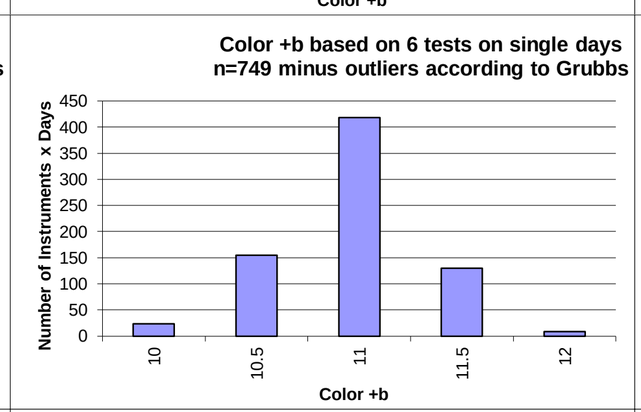


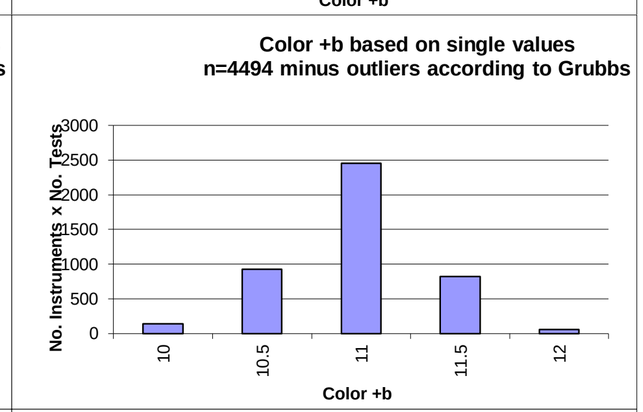



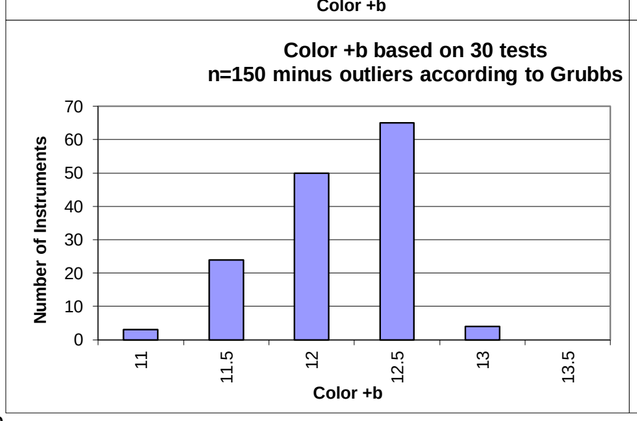

**Cotton 3**

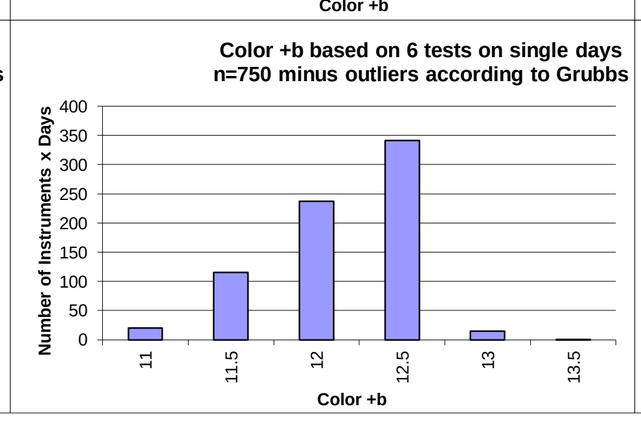


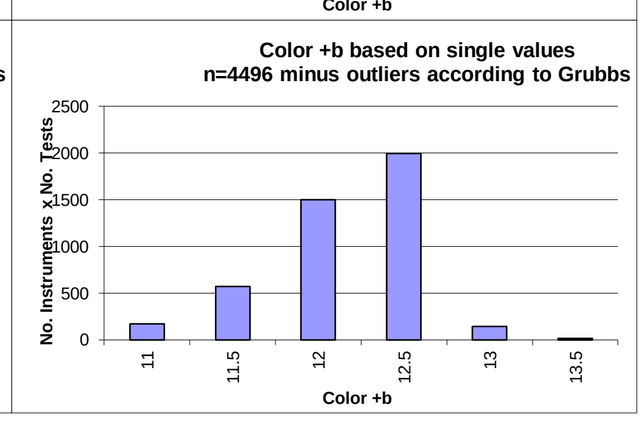




**Cotton 4**




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)** | | | 25.18 | 12.93 | 21.72 | 31.09 | |
| **Reference Values for Evaluation** | | | 25.18 | 12.93 | 21.72 | 31.09 | |
| **Number Of Instruments** | | | 102 | 102 | 102 | 102 | **102** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 6.79 | 5.76 | 7.84 | 11.38 | **7.94** |
| | | CV % | 27.0 | 44.5 | 36.1 | 36.6 | **36.1** |
| | based on 6 tests | SD | 8.42 | 6.07 | 8.14 | 11.80 | **8.60** |
| | | CV % | 33.4 | 46.9 | 37.5 | 37.9 | **38.9** |
| | based on single tests | SD | 8.90 | 6.41 | 8.49 | 12.20 | **9.00** |
| | | CV % | 35.4 | 49.6 | 39.1 | 39.2 | **40.8** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 2.17 | 1.54 | 2.00 | 2.49 | **2.05** |
| | | CV % | 8.6 | 11.9 | 9.2 | 8.0 | **9.4** |
| | between single tests on one day | SD | 2.73 | 1.83 | 2.47 | 2.83 | **2.47** |
| | | CV % | 10.8 | 14.2 | 11.4 | 9.1 | **11.4** |
| | between all tests on different days | SD | 3.92 | 2.78 | 3.33 | 4.20 | **3.56** |
| | | CV % | 15.6 | 21.5 | 15.3 | 13.5 | **16.5** |

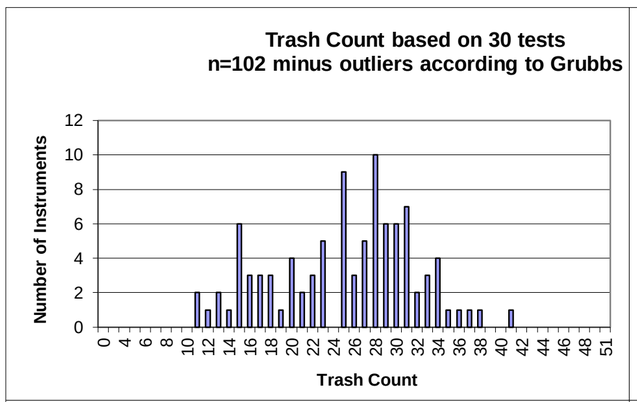
| Trash Area | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 0.303 | 0.111 | 0.232 | 0.287 | |
| **Reference Values for Evaluation** | | | 0.303 | 0.111 | 0.232 | 0.287 | |
| **Number Of Instruments** | | | 102 | 102 | 102 | 102 | **102** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 0.081 | 0.031 | 0.077 | 0.078 | **0.067** |
| | | CV % | 26.6 | 28.2 | 32.9 | 27.1 | **28.7** |
| | based on 6 tests | SD | 0.089 | 0.038 | 0.078 | 0.082 | **0.072** |
| | | CV % | 29.3 | 34.5 | 33.7 | 28.7 | **31.5** |
| | based on single tests | SD | 0.107 | 0.043 | 0.081 | 0.093 | **0.081** |
| | | CV % | 35.4 | 39.2 | 35.0 | 32.3 | **35.5** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.039 | 0.018 | 0.032 | 0.026 | **0.029** |
| | | CV % | 12.9 | 16.0 | 13.8 | 9.2 | **13.0** |
| | between single tests on one day | SD | 0.047 | 0.024 | 0.035 | 0.035 | **0.035** |
| | | CV % | 15.6 | 21.6 | 14.9 | 12.1 | **16.1** |
| | between all tests on different days | SD | 0.066 | 0.032 | 0.050 | 0.048 | **0.049** |
| | | CV % | 21.9 | 28.7 | 21.7 | 16.8 | **22.3** |

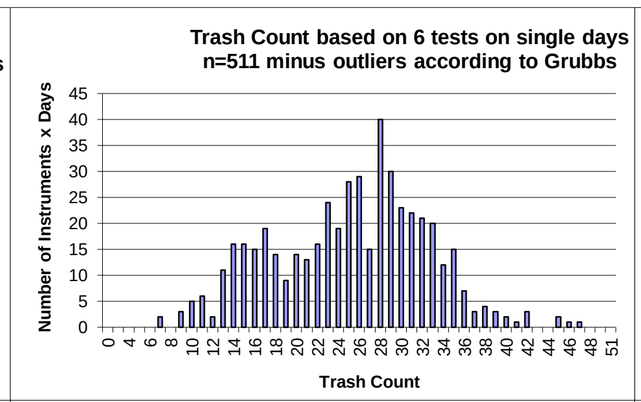
| Maturity | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 84.16 | 85.01 | 86.61 | 85.09 | |
| **Reference Values for Evaluation** | | | 84.16 | 85.01 | 86.61 | 85.09 | |
| **Number Of Instruments** | | | 100 | 100 | 100 | 100 | **100** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 1.86 | 1.43 | 2.13 | 1.91 | **1.83** |
| | | CV % | 2.2 | 1.7 | 2.5 | 2.3 | **2.2** |
| | based on 6 tests | SD | 1.89 | 1.46 | 2.04 | 1.81 | **1.80** |
| | | CV % | 2.2 | 1.7 | 2.4 | 2.1 | **2.1** |
| | based on single tests | SD | 1.94 | 1.66 | 1.98 | 1.83 | **1.85** |
| | | CV % | 2.3 | 2.0 | 2.3 | 2.2 | **2.2** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.20 | 0.19 | 0.22 | 0.24 | **0.22** |
| | | CV % | 0.2 | 0.2 | 0.3 | 0.3 | **0.3** |
| | between single tests on one day | SD | 0.37 | 0.36 | 0.37 | 0.37 | **0.37** |
| | | CV % | 0.4 | 0.4 | 0.4 | 0.4 | **0.4** |
| | between all tests on different days | SD | 0.49 | 0.48 | 0.49 | 0.48 | **0.49** |
| | | CV % | 0.6 | 0.6 | 0.6 | 0.6 | **0.6** |

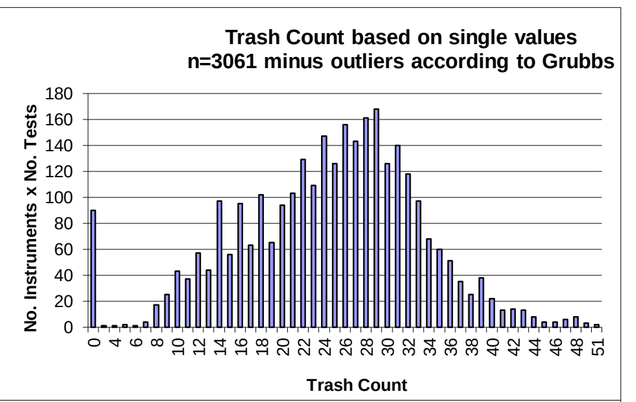
| SFI | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | **Cotton 1** | **Cotton 2** | **Cotton 3** | **Cotton 4** | **Average** |
| **Average of Instruments (Grubbs)** | | | 12.11 | 11.56 | 10.08 | 7.59 | |
| **Reference Values for Evaluation** | | | 12.11 | 11.56 | 10.08 | 7.59 | |
| **Number Of Instruments** | | | 114 | 114 | 114 | 114 | **114** |
| **Inter-Instrument Variation** | based on 30 tests | SD | 1.26 | 1.13 | 1.39 | 0.84 | **1.15** |
| | | CV % | 10.4 | 9.8 | 13.8 | 11.0 | **11.3** |
| | based on 6 tests | SD | 1.32 | 1.15 | 1.39 | 0.81 | **1.17** |
| | | CV % | 10.9 | 10.0 | 13.8 | 10.6 | **11.3** |
| | based on single tests | SD | 1.51 | 1.29 | 1.46 | 0.81 | **1.27** |
| | | CV % | 12.5 | 11.2 | 14.5 | 10.7 | **12.2** |
| **Typical within-instrument Variation (Median)** | between different days with each 6 tests | SD | 0.33 | 0.32 | 0.29 | 0.16 | **0.28** |
| | | CV % | 2.7 | 2.8 | 2.9 | 2.1 | **2.6** |
| | between single tests on one day | SD | 0.65 | 0.53 | 0.53 | 0.29 | **0.50** |
| | | CV % | 5.3 | 4.6 | 5.3 | 3.9 | **4.8** |
| | between all tests on different days | SD | 0.71 | 0.61 | 0.58 | 0.35 | **0.56** |
| | | CV % | 5.9 | 5.3 | 5.7 | 4.6 | **5.4** |

Test Result Distributions
Trash Count

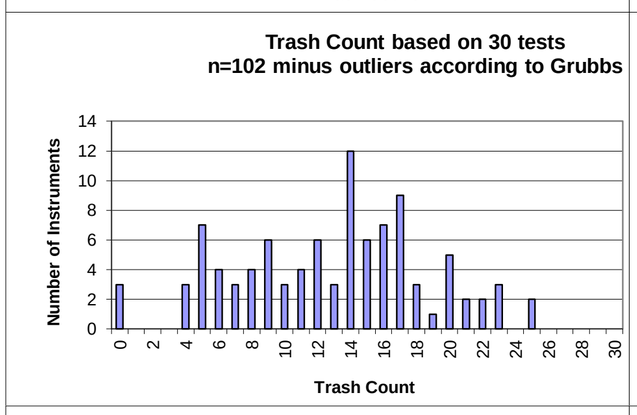
**Cotton 1**

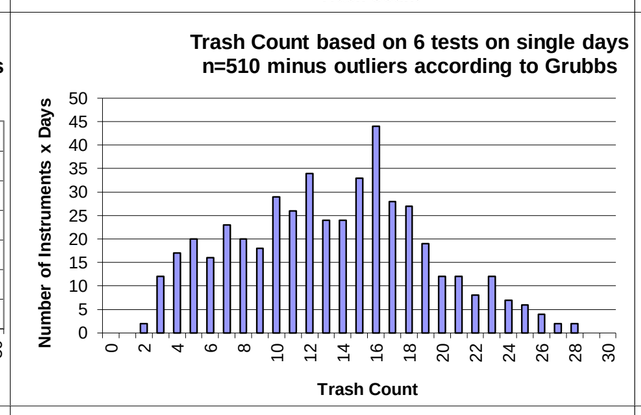


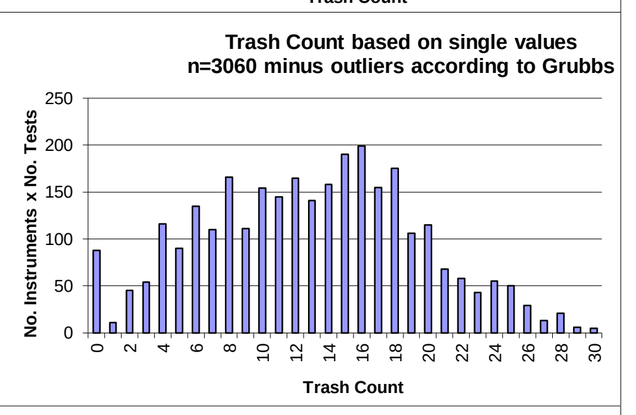



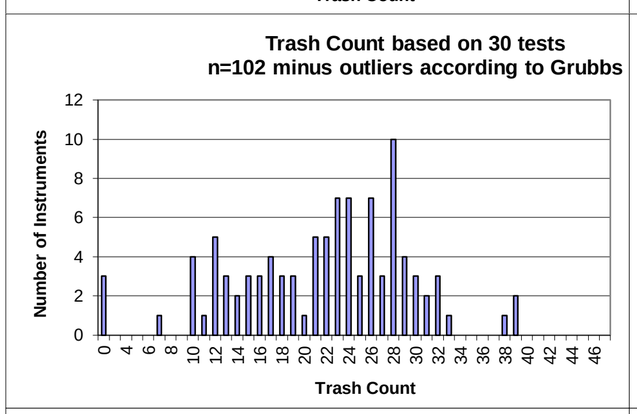

**Cotton 2**

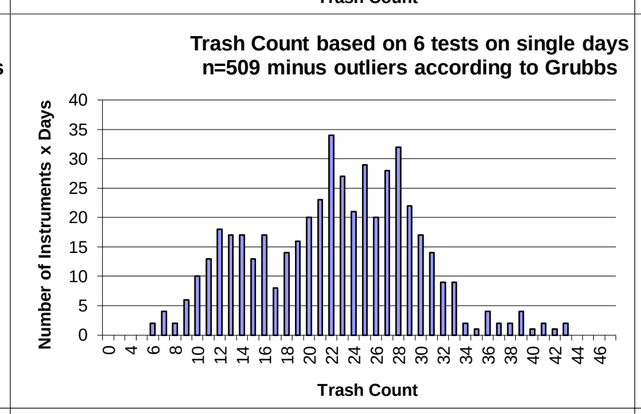


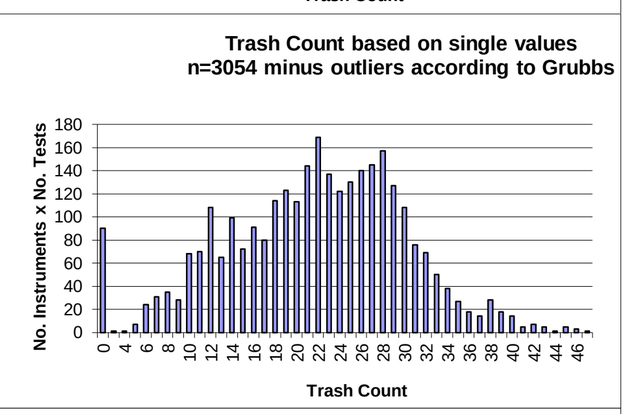




**Cotton 3**

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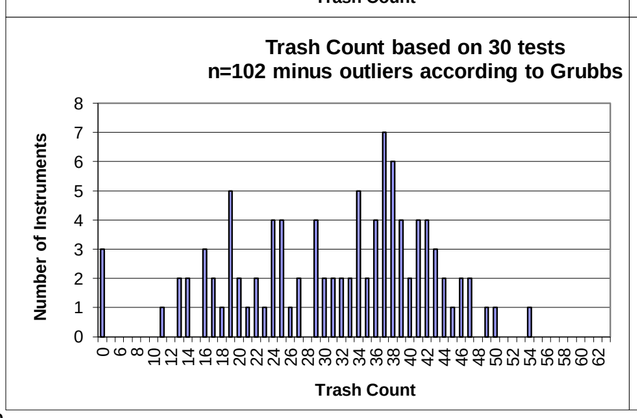
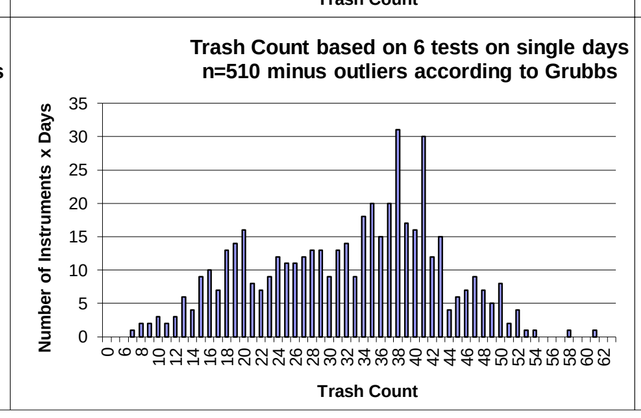
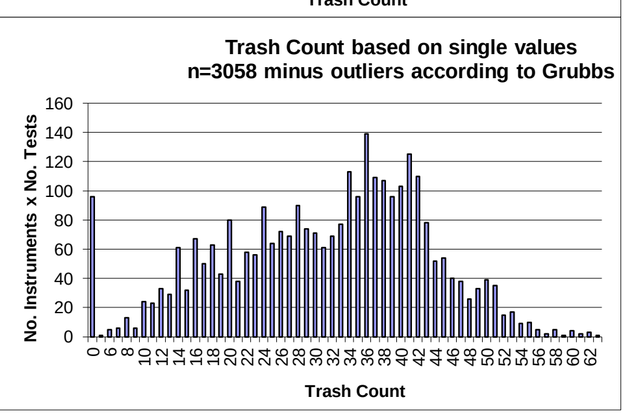


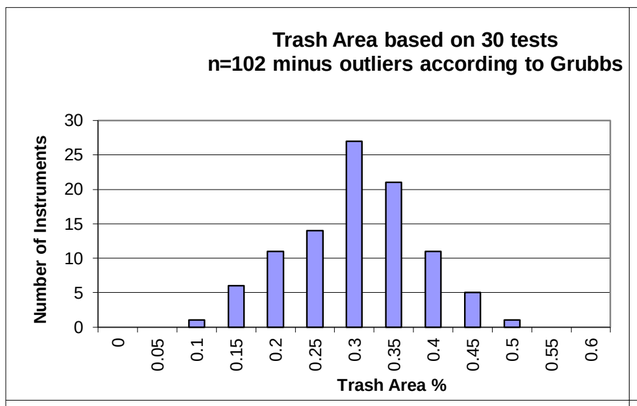



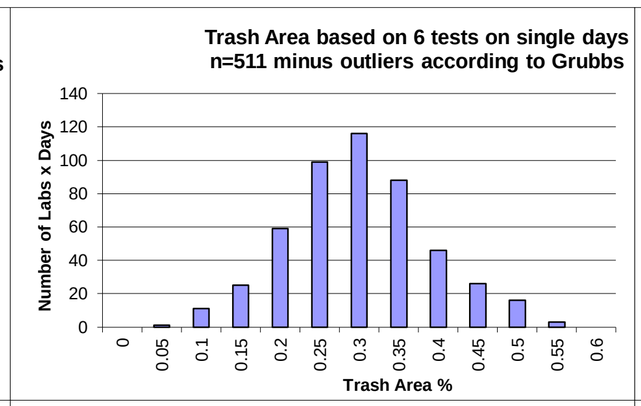

**0**

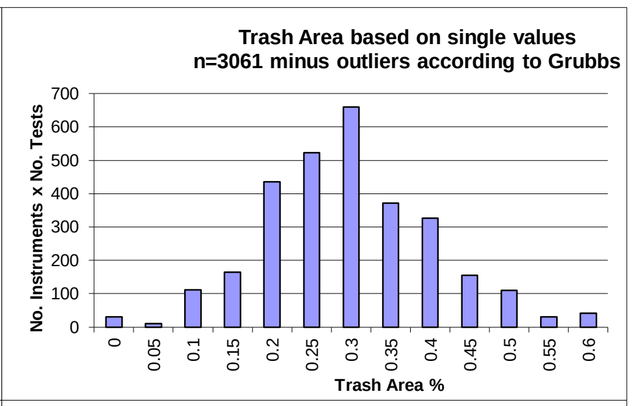
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Trash Area

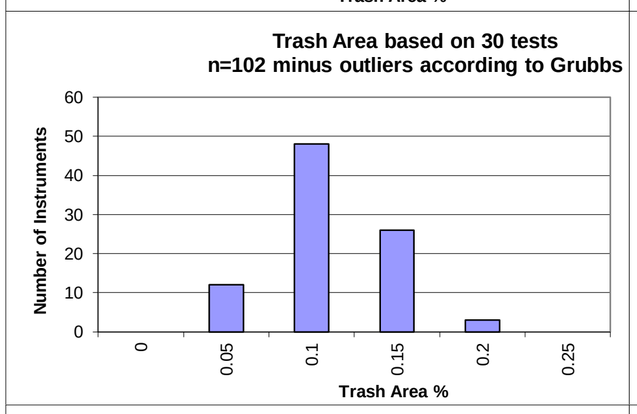
**Cotton 1**

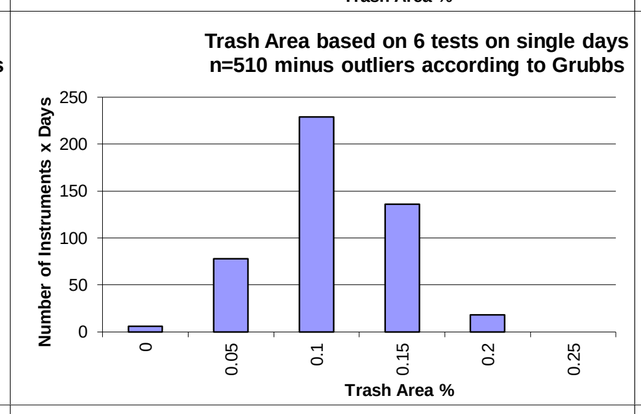


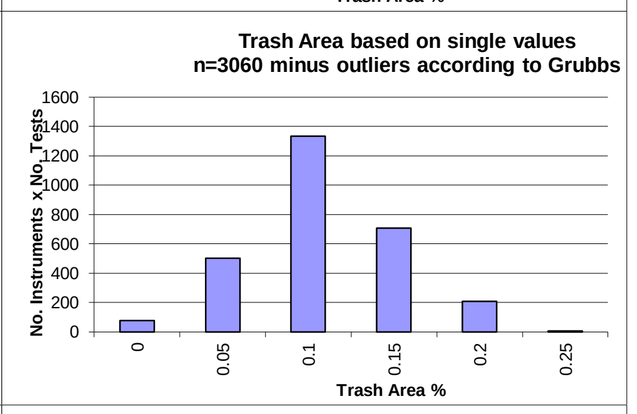



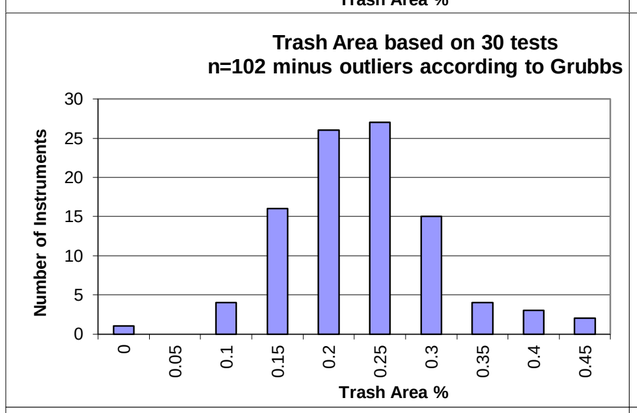

**Cotton 2**

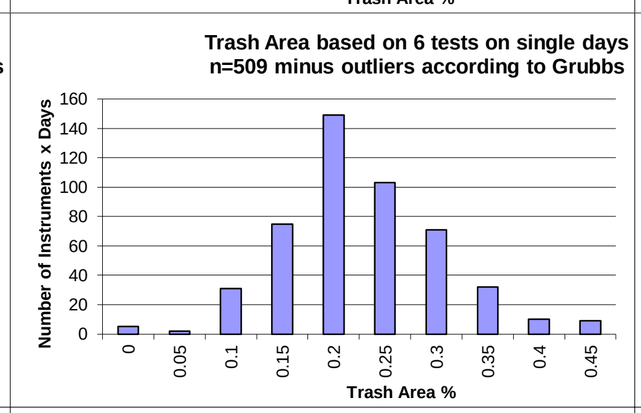


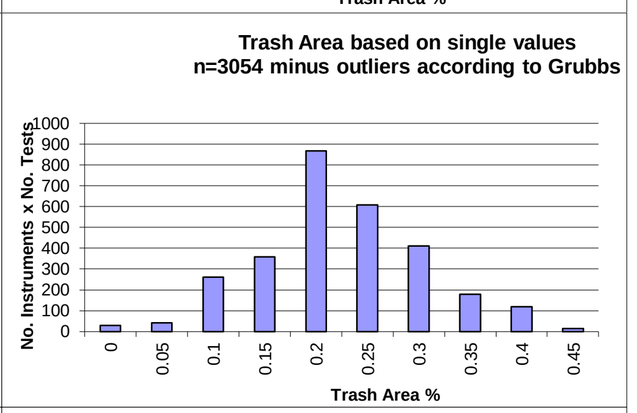



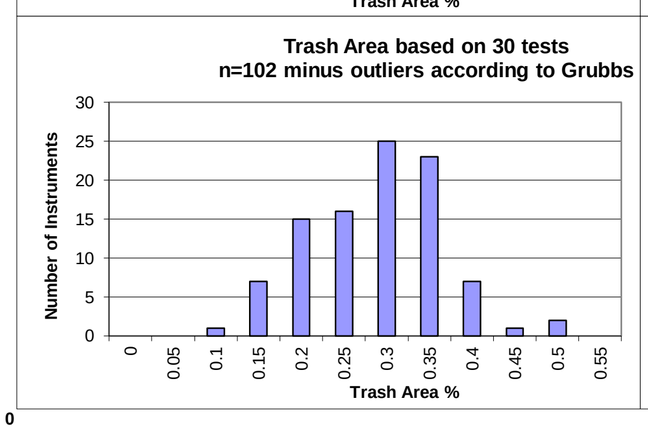

**Cotton 3**

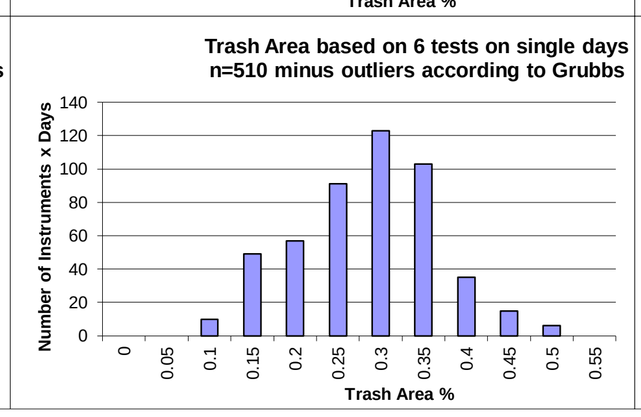


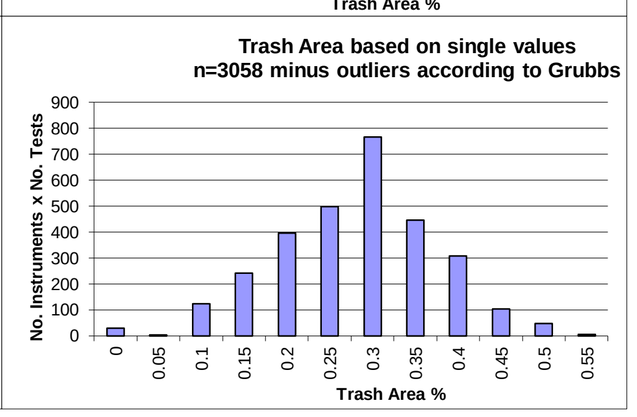




**Cotton 4**



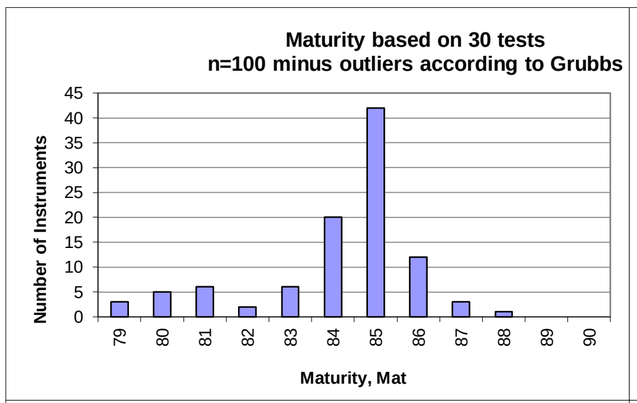



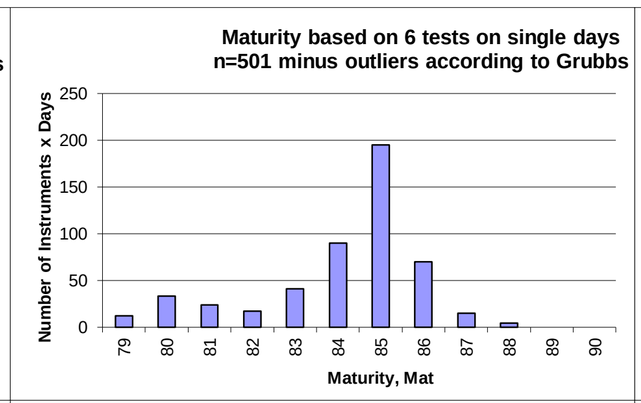

**0**

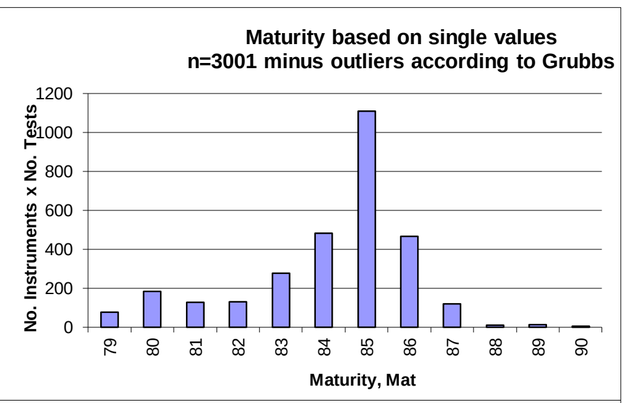
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Maturity

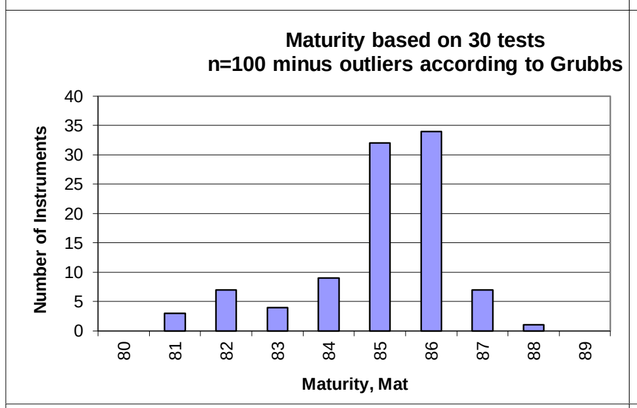
**Cotton 1**

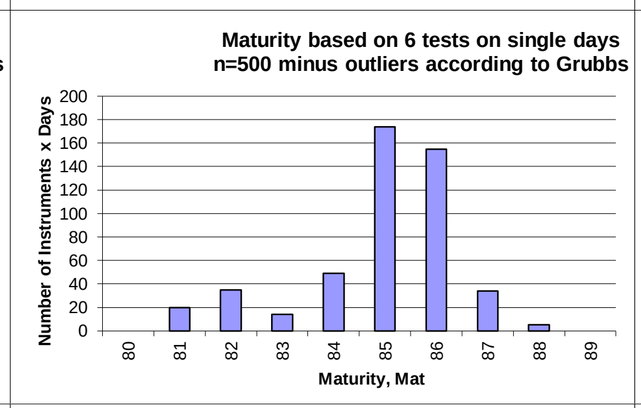


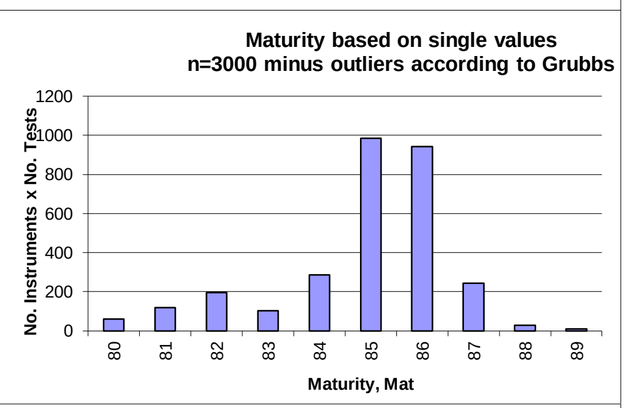



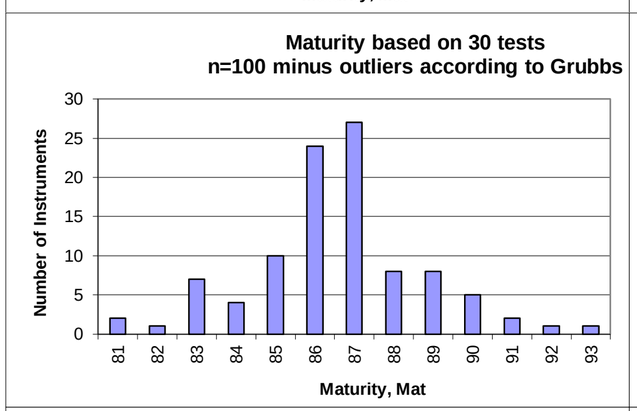

**Cotton 2**

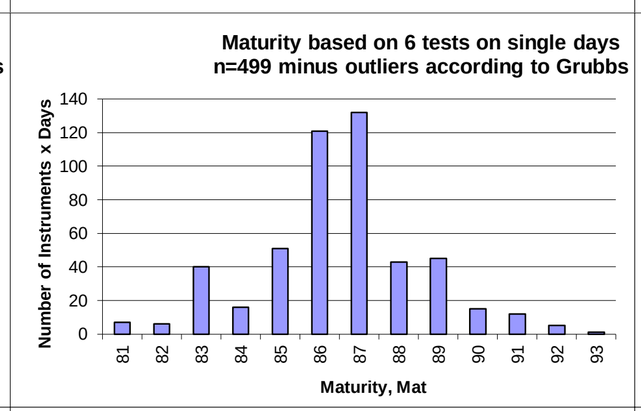


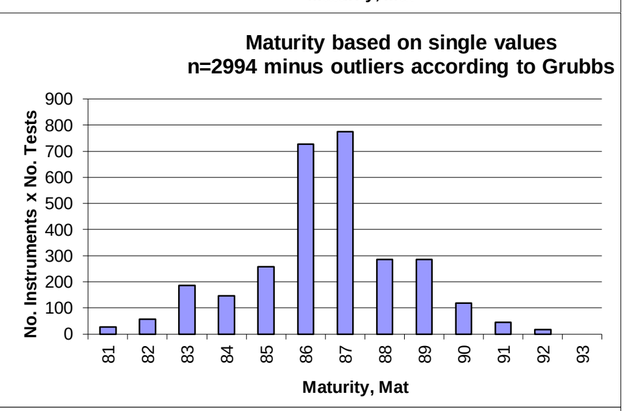



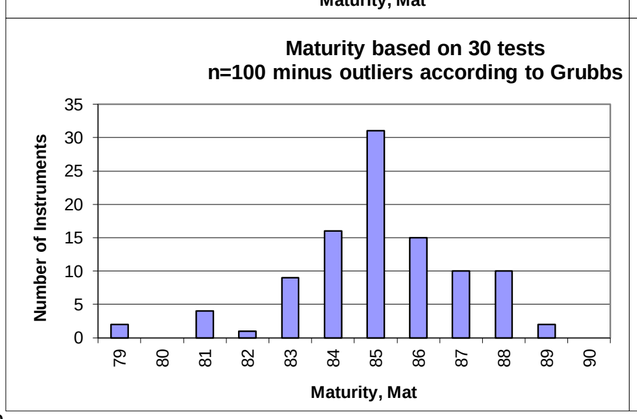

**Cotton 3**

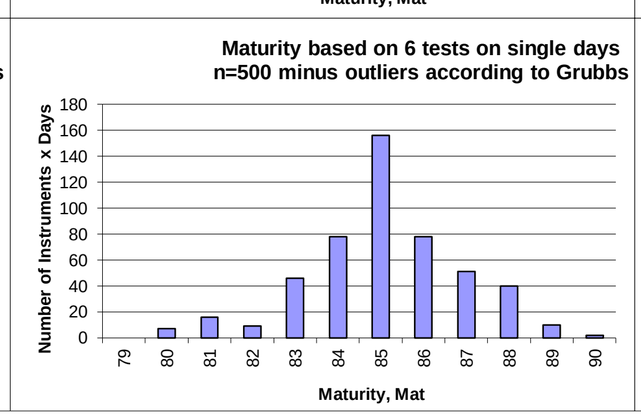


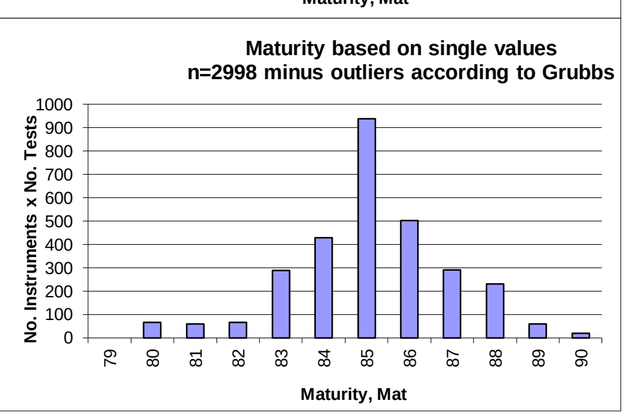




**Cotton 4**



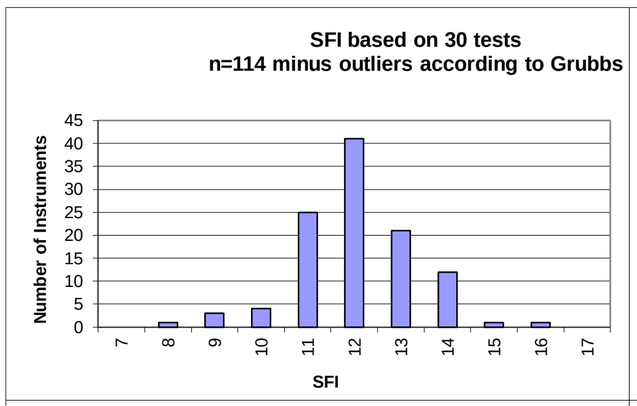



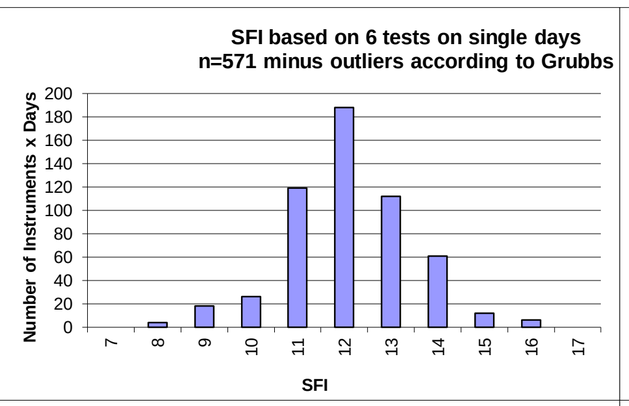

**0**

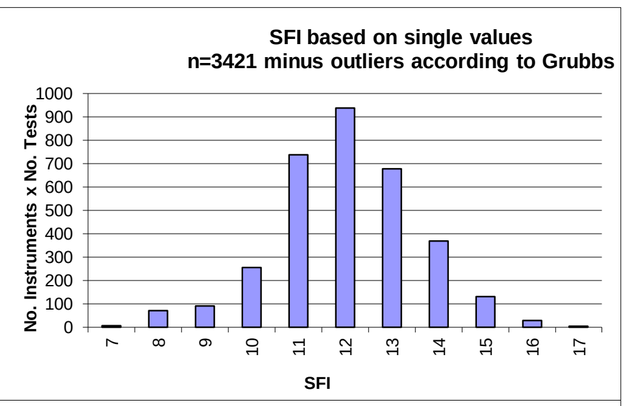
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method.)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
SFI

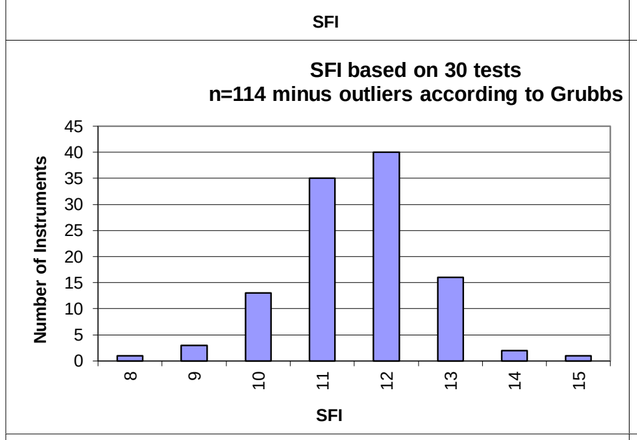
**Cotton 1**

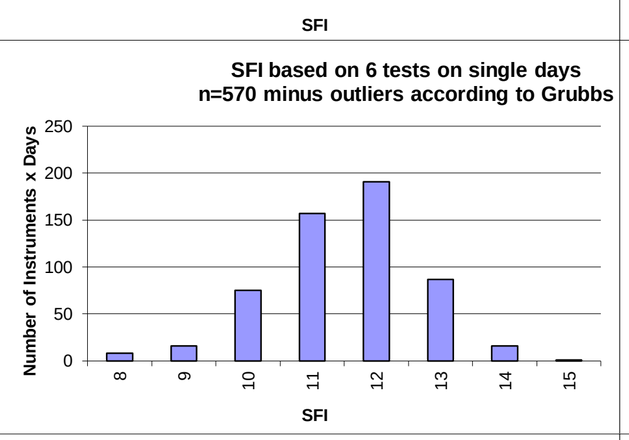


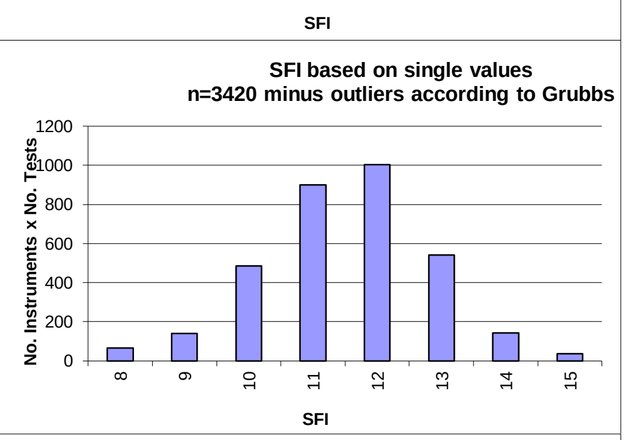



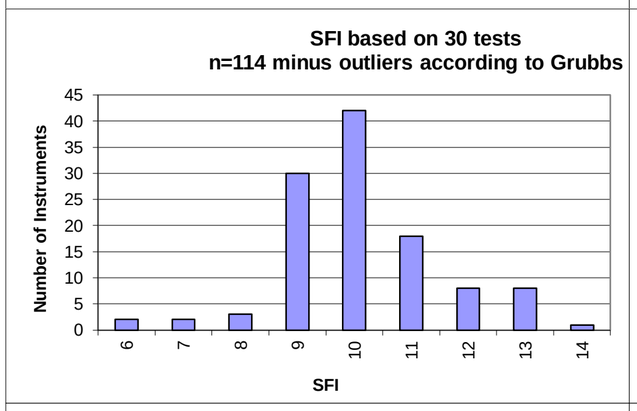

**Cotton 2**

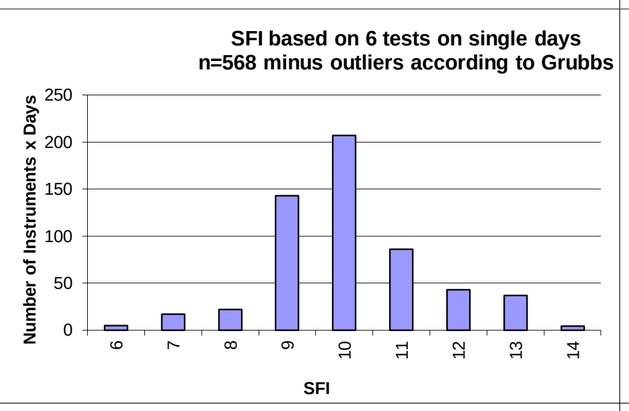


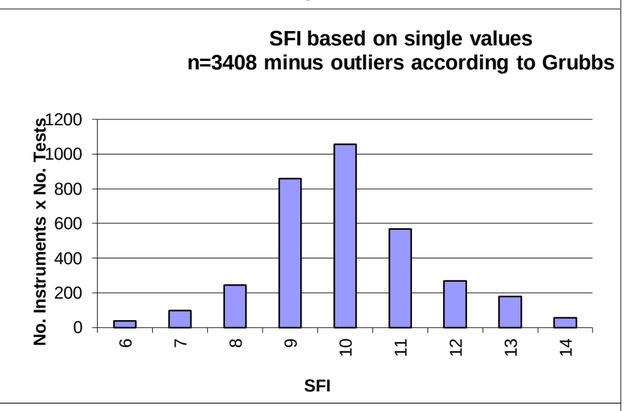



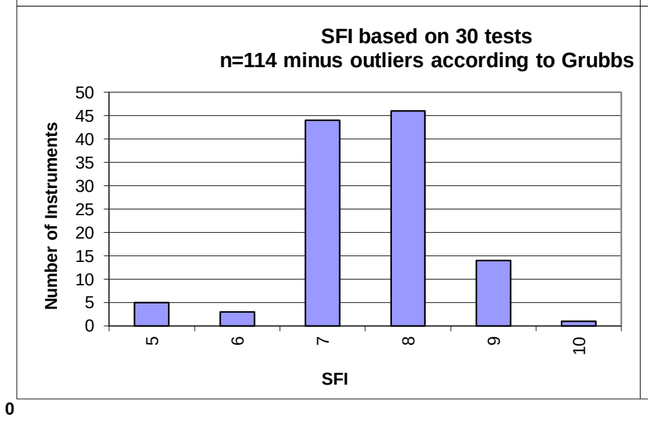

**Cotton 3**

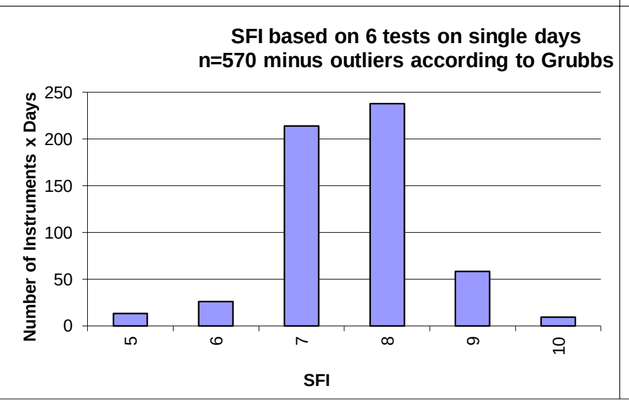


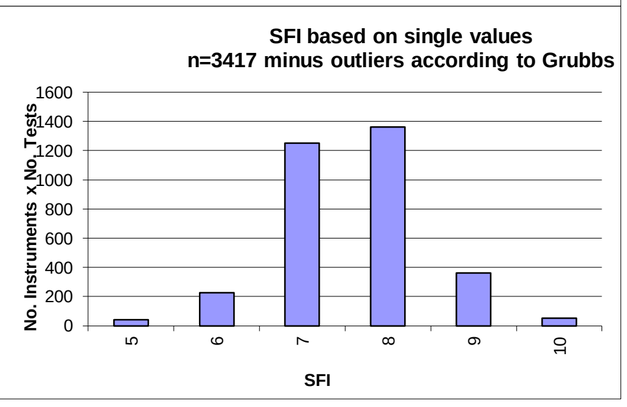




**Cotton 4**




**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 - 4
## 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*

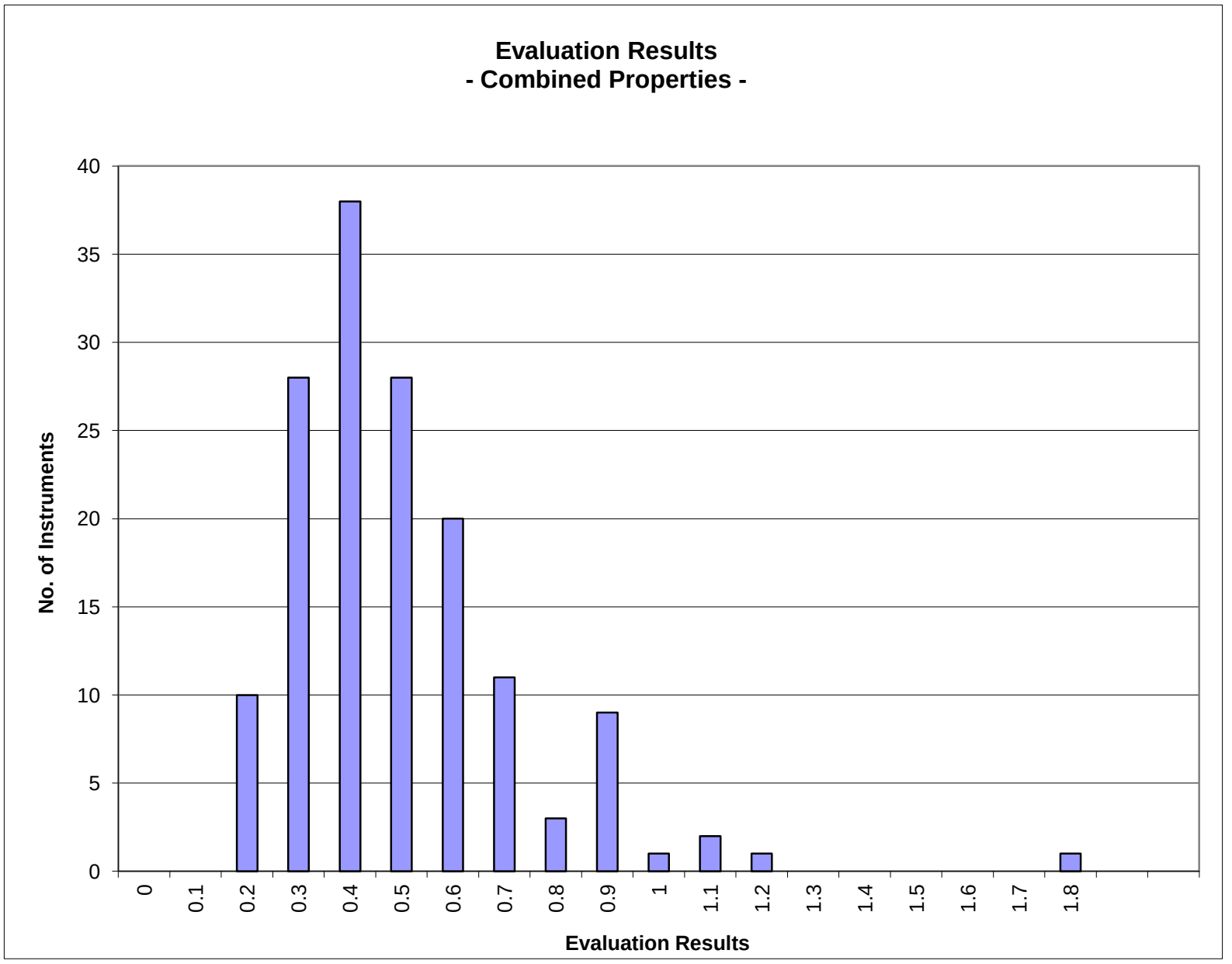
Instrument Evaluation

- Graph of Combined Properties -

According to ICAC CSITC Task Force Recommendations

Global - Round Trial 2013 - 4

| | | Evaluation Combined Prop. |
|---|---|---|
| **Statistics** | Average | 0.50 |
| | Median | 0.45 |
| | Best Instrument | 0.16 |
| | Worst Instrument | 1.83 |



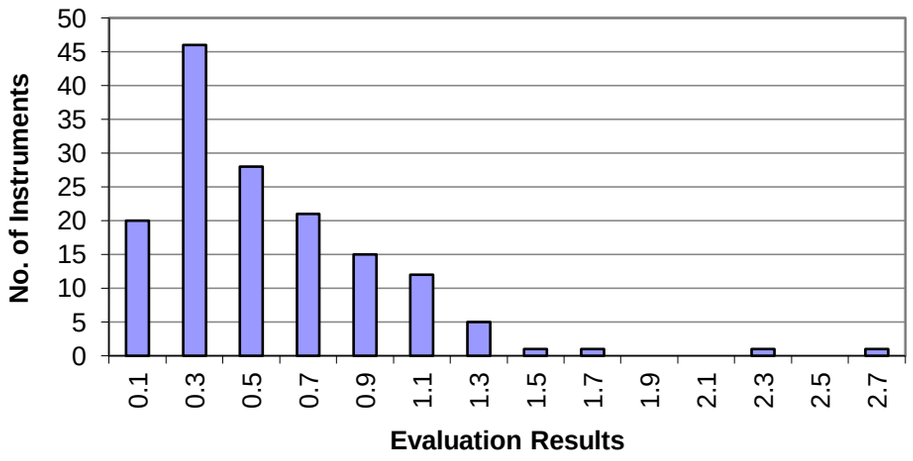

x-Axis shows midpoints of classes

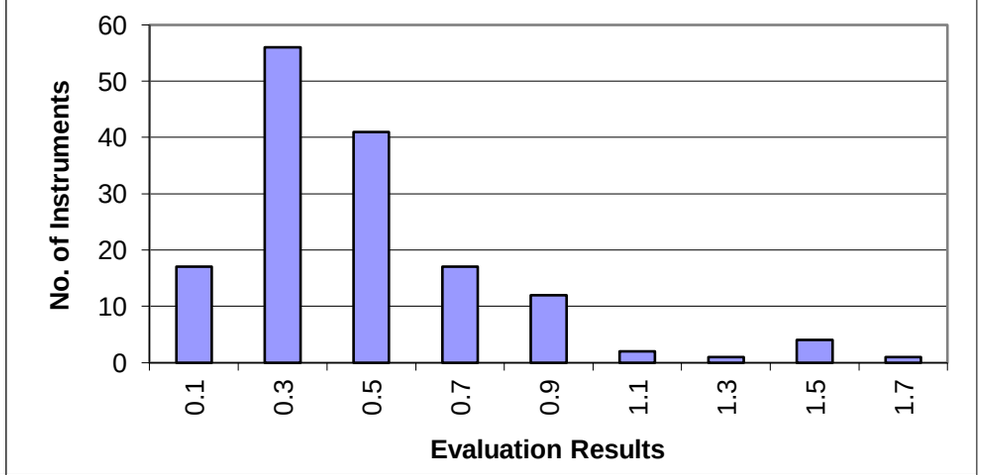
The evaluation results are entered based on the unrounded values

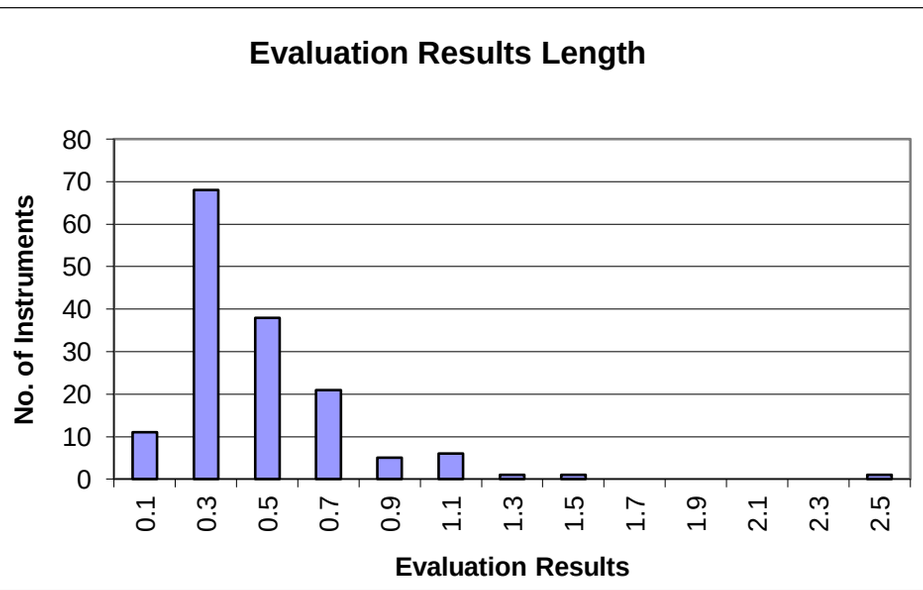
(classes are defined as > lower limit and <= upper limit)

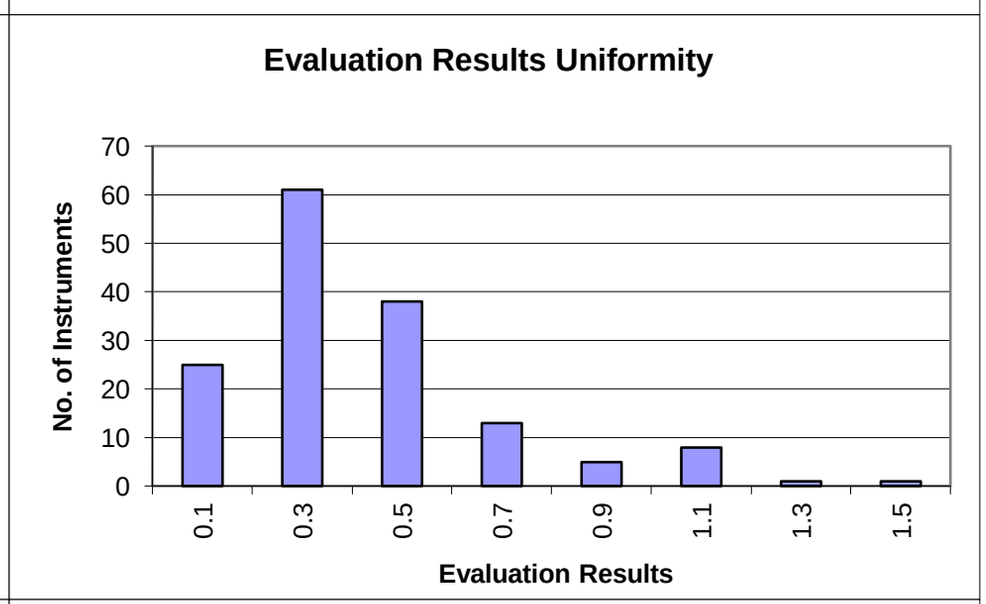
Instrument Evaluation
- Graph of Single Properties -
According to ICAC CSITC Task Force Recommendations
Global - Round Trial 2013 - 4

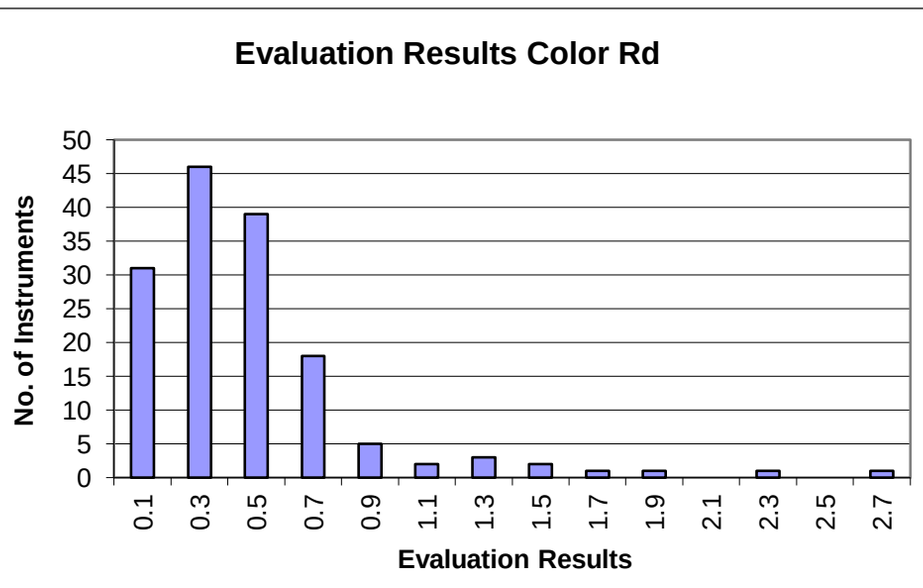
| | | Evaluation Micronaire | Evaluation Strength | Evaluation Length | Evaluation Uniformity | Evaluation Color Rd | Evaluation Color +b |
|---|---|---|---|---|---|---|---|
| **Statistics** | Average | 0.57 | 0.48 | 0.46 | 0.43 | 0.47 | 0.60 |
| | Median | 0.44 | 0.41 | 0.39 | 0.37 | 0.39 | 0.44 |
| | Best Instr. | 0.03 | 0.10 | 0.10 | 0.04 | 0.04 | 0.07 |
| | Worst Instr. | 2.69 | 1.65 | 2.54 | 1.58 | 2.61 | 4.41 |

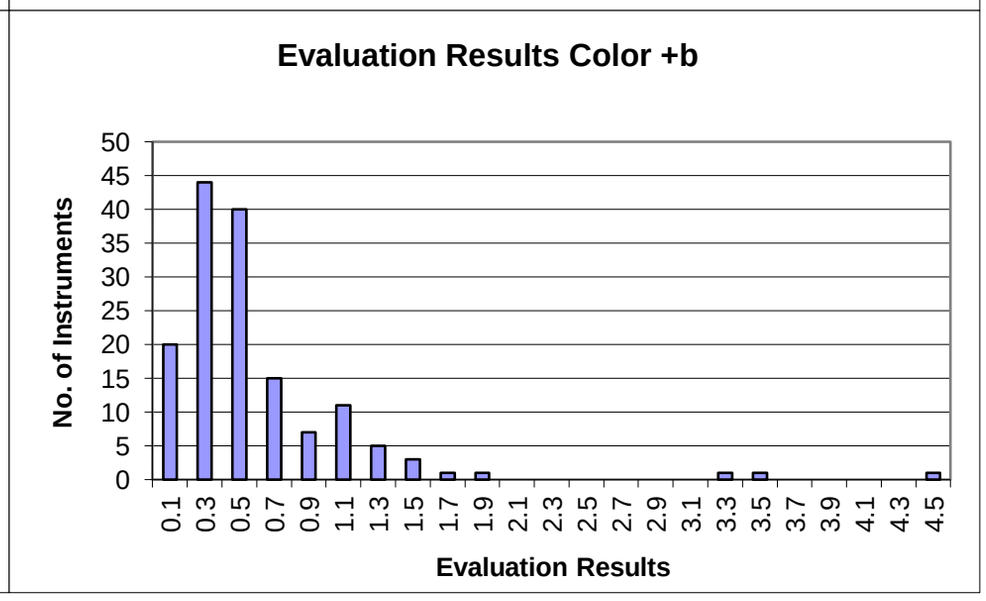



x-Axis shows midpoints of classes
The evaluation results are entered based on the unrounded values

**International Cotton Advisory Committee**

# CSITC
# Global - Round Trial 2013 - 4
## 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

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*

# 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 | 98.7 | 95.4 | 98.0 | 100.0 | 91.2 | 97.7 |
| Completely within limits | 98.0 | 86.8 | 94.7 | 100.0 | 84.0 | 96.7 |
| % of Instruments ≥75% within limits | 98.0 | 95.4 | 98.0 | 100.0 | 92.0 | 97.3 |
| % of Instruments ≥50% within limits | 98.7 | 99.3 | 99.3 | 100.0 | 93.3 | 98.0 |

| Percentage of Results Within Limits | | | | | | |
|---|---|---|---|---|---|---|
| **Instrument** | **Micronaire** | **Strength** | **Length** | **Uniformity** | **Color Rd** | **Color +b** |
| GL134-001-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-002-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-002-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-002-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-003-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-004-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-005-01 | 100 | 50 | 100 | 100 | 75 | 100 |
| GL134-006-01 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL134-007-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-007-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-008-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-008-02 | 100 | 75 | 100 | 100 | 100 | 100 |
| GL134-008-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-008-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-009-01 | 100 | 100 | 100 | 100 | 50 | 100 |
| GL134-010-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-011-01 | 100 | 75 | 100 | 100 | 50 | 25 |
| GL134-012-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-013-10 | | 75 | 100 | 100 | | |
| GL134-014-01 | 25 | 100 | 100 | 100 | 100 | 50 |
| GL134-015-04 | 100 | | 50 | 100 | 0 | 0 |
| GL134-017-01 | 100 | 75 | 100 | 100 | 25 | 100 |
| GL134-018-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-019-01 | 100 | 100 | 25 | 100 | 100 | 100 |
| GL134-019-02 | 100 | 50 | 75 | 100 | 100 | 100 |
| GL134-021-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-022-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-026-03 | 25 | 75 | 100 | 100 | 0 | 100 |
| GL134-027-01 | 100 | 100 | 100 | 100 | 100 | 0 |
| GL134-027-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-028-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-028-19 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-028-25 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-031-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-031-07 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-031-08 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-031-09 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-032-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-033-23 | 100 | 100 | 100 | 100 | 75 | 100 |

| | | | | | | |
|---|---|---|---|---|---|---|
| GL134-033-24 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-035-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-036-01 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL134-037-12 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-037-13 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-038-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-039-02 | 100 | 100 | 75 | 100 | 100 | 100 |
| GL134-040-01 | 100 | 100 | 100 | 100 | | |
| GL134-040-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-041-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-042-02 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL134-042-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-042-04 | 100 | 100 | 100 | 100 | 0 | 100 |
| GL134-042-06 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL134-042-07 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-043-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-043-06 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-045-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-045-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-046-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-046-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-046-06 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-047-01 | 100 | 50 | 100 | 100 | 100 | 100 |
| GL134-048-01 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL134-049-01 | 100 | 75 | 100 | 100 | 100 | 100 |
| GL134-050-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-051-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-052-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-052-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-052-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-052-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-053-19 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-053-26 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-054-12 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-054-13 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-055-01 | 100 | 100 | 50 | 100 | 75 | 100 |
| GL134-057-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-058-01 | 50 | 75 | 100 | 100 | 100 | 100 |
| GL134-059-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-059-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-060-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-061-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-061-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-062-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-063-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-064-01 | 100 | 100 | 100 | 100 | 25 | 100 |
| GL134-064-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-064-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-065-01 | 100 | 100 | 75 | 100 | 100 | 100 |
| GL134-065-02 | 100 | 75 | 75 | 100 | 100 | 100 |
| GL134-066-01 | 100 | 75 | 75 | 100 | 100 | 100 |
| GL134-068-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-068-08 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-069-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-070-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-071-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-072-01 | 100 | 100 | 100 | 100 | 0 | 100 |
| GL134-074-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-074-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-075-01 | 100 | 75 | 100 | 100 | 25 | 75 |

| | | | | | | |
|---|---|---|---|---|---|---|
| GL134-076-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-077-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-077-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-078-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-079-01 | 100 | 75 | 100 | 100 | 100 | 100 |
| GL134-079-02 | 100 | 75 | 100 | 100 | 100 | 100 |
| GL134-079-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-080-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-080-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-080-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-081-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-083-01 | 100 | 100 | 100 | 100 | 0 | 100 |
| GL134-084-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-085-52 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-085-53 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-087-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-088-01 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL134-088-02 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL134-088-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-088-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-089-01 | 100 | 100 | 100 | 100 | 0 | 100 |
| GL134-089-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-090-01 | 100 | 100 | 100 | 100 | 0 | 100 |
| GL134-091-01 | 100 | 50 | 100 | 100 | 100 | 100 |
| GL134-091-02 | 100 | 25 | 100 | 100 | 100 | 100 |
| GL134-091-03 | 100 | 50 | 100 | 100 | 100 | 100 |
| GL134-091-06 | 100 | 50 | 100 | 100 | 100 | 100 |
| GL134-092-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-092-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-092-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-092-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-094-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-095-13 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-098-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-099-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-099-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-099-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-100-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-100-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-101-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-102-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-103-01 | 100 | 100 | 100 | 100 | 75 | 100 |
| GL134-104-17 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-105-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-106-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-106-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-107-01 | 100 | 75 | 100 | 100 | 75 | 100 |
| GL134-108-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-109-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-111-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-111-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-111-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-111-06 | 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 | 96.7 | 90.4 | 94.7 | 97.1 | 88.9 | 96.5 |
| % of Instruments 100% within limits | 54.3 | 27.2 | 30.3 | 50.7 | 46.7 | 76.7 |
| % of Instruments ≥95% within limits | 85.4 | 50.3 | 70.4 | 84.9 | 62.7 | 90.0 |
| % of Instruments ≥75% within limits | 96.7 | 89.4 | 97.4 | 98.7 | 87.3 | 96.7 |
| % of Instruments ≥65% within limits | 98.0 | 95.4 | 99.3 | 99.3 | 90.0 | 96.7 |
| % of Instruments ≥50% within limits | 98.7 | 96.7 | 99.3 | 100.0 | 93.3 | 98.0 |

| Percentage of Results Within Limits | | | | | | |
|---|---|---|---|---|---|---|
| **Instrument** | **Micronaire** | **Strength** | **Length** | **Uniformity** | **Color Rd** | **Color +b** |
| GL134-001-01 | 100 | 98 | 94 | 100 | 100 | 100 |
| GL134-002-01 | 100 | 100 | 98 | 100 | 100 | 100 |
| GL134-002-04 | 100 | 100 | 100 | 100 | 99 | 100 |
| GL134-002-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-003-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-004-01 | 89 | 100 | 94 | 100 | 90 | 100 |
| GL134-005-01 | 100 | 57 | 99 | 97 | 65 | 99 |
| GL134-006-01 | 99 | 87 | 81 | 93 | 78 | 100 |
| GL134-007-01 | 100 | 99 | 99 | 100 | 99 | 100 |
| GL134-007-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-008-01 | 100 | 94 | 100 | 100 | 98 | 100 |
| GL134-008-02 | 98 | 86 | 100 | 100 | 98 | 97 |
| GL134-008-03 | 98 | 96 | 100 | 100 | 98 | 98 |
| GL134-008-04 | 91 | 100 | 100 | 100 | 98 | 98 |
| GL134-009-01 | 100 | 87 | 83 | 90 | 62 | 100 |
| GL134-010-01 | 100 | 93 | 99 | 100 | 100 | 100 |
| GL134-011-01 | 100 | 75 | 100 | 94 | 57 | 24 |
| GL134-012-01 | 93 | 100 | 99 | 100 | 98 | 99 |
| GL134-013-10 | | 53 | 94 | 88 | | |
| GL134-014-01 | 31 | 100 | 84 | 85 | 100 | 53 |
| GL134-015-04 | 99 | | 73 | 98 | 5 | 20 |
| GL134-017-01 | 99 | 71 | 93 | 99 | 41 | 99 |
| GL134-018-01 | 98 | 91 | 97 | 97 | 97 | 100 |
| GL134-019-01 | 100 | 95 | 25 | 97 | 95 | 100 |
| GL134-019-02 | 100 | 48 | 68 | 96 | 100 | 100 |
| GL134-021-01 | 89 | 100 | 98 | 100 | 100 | 98 |
| GL134-022-01 | 98 | 88 | 88 | 73 | 74 | 96 |
| GL134-026-03 | 48 | 77 | 100 | 98 | 3 | 96 |
| GL134-027-01 | 98 | 91 | 92 | 100 | 99 | 0 |
| GL134-027-03 | 98 | 100 | 91 | 96 | 93 | 86 |
| GL134-028-01 | 96 | 85 | 93 | 98 | 95 | 100 |
| GL134-028-19 | 96 | 85 | 93 | 98 | 95 | 100 |
| GL134-028-25 | 99 | 94 | 95 | 99 | 93 | 100 |
| GL134-031-03 | 100 | 100 | 100 | 97 | 100 | 100 |
| GL134-031-07 | 100 | 98 | 98 | 100 | 100 | 100 |
| GL134-031-08 | 100 | 99 | 100 | 99 | 100 | 100 |

| | | | | | | |
|---|---|---|---|---|---|---|
| GL134-031-09 | 100 | 85 | 100 | 100 | 100 | 100 |
| GL134-032-01 | 100 | 98 | 95 | 98 | 100 | 98 |
| GL134-033-23 | 99 | 92 | 100 | 99 | 82 | 100 |
| GL134-033-24 | 95 | 93 | 93 | 100 | 100 | 100 |
| GL134-035-01 | 98 | 71 | 84 | 87 | 93 | 100 |
| GL134-036-01 | 100 | 76 | 96 | 96 | 63 | 99 |
| GL134-037-12 | 100 | 100 | 98 | 99 | 100 | 100 |
| GL134-037-13 | 100 | 99 | 96 | 100 | 100 | 100 |
| GL134-038-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-039-02 | 98 | 93 | 82 | 98 | 92 | 100 |
| GL134-040-01 | 100 | 99 | 100 | 100 | | |
| GL134-040-02 | 100 | 97 | 94 | 62 | 99 | 100 |
| GL134-041-01 | 99 | 99 | 94 | 84 | 100 | 100 |
| GL134-042-02 | 97 | 92 | 94 | 93 | 62 | 100 |
| GL134-042-03 | 100 | 91 | 73 | 96 | 85 | 98 |
| GL134-042-04 | 100 | 100 | 96 | 93 | 2 | 100 |
| GL134-042-06 | 72 | 92 | 79 | 84 | 77 | 100 |
| GL134-042-07 | 100 | 100 | 83 | 92 | 79 | 100 |
| GL134-043-02 | 88 | 100 | 94 | 100 | 88 | 100 |
| GL134-043-06 | 84 | 100 | 98 | 100 | 91 | 100 |
| GL134-045-01 | 99 | 99 | 97 | 91 | 88 | 85 |
| GL134-045-02 | 100 | 100 | 98 | 96 | 90 | 95 |
| GL134-046-03 | 98 | 99 | 100 | 100 | 100 | 100 |
| GL134-046-04 | 99 | 100 | 100 | 100 | 100 | 100 |
| GL134-046-06 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-047-01 | 99 | 67 | 100 | 100 | 100 | 100 |
| GL134-048-01 | 94 | 98 | 88 | 100 | 79 | 100 |
| GL134-049-01 | 98 | 74 | 99 | 98 | 88 | 100 |
| GL134-050-01 | 100 | 98 | 100 | 100 | 100 | 100 |
| GL134-051-01 | 99 | 87 | 99 | 98 | 87 | 100 |
| GL134-052-01 | 98 | 91 | 99 | 100 | 100 | 100 |
| GL134-052-02 | 99 | 99 | 98 | 88 | 99 | 99 |
| GL134-052-03 | 100 | 100 | 97 | 99 | 100 | 100 |
| GL134-052-04 | 100 | 99 | 100 | 100 | 100 | 100 |
| GL134-053-19 | 100 | 100 | 96 | 100 | 100 | 100 |
| GL134-053-26 | 100 | 98 | 99 | 100 | 99 | 100 |
| GL134-054-12 | 99 | 93 | 99 | 100 | 100 | 100 |
| GL134-054-13 | 100 | 92 | 99 | 100 | 97 | 100 |
| GL134-055-01 | 99 | 98 | 76 | 99 | 71 | 100 |
| GL134-057-03 | 99 | 90 | 97 | 98 | 100 | 100 |
| GL134-058-01 | 50 | 72 | 89 | 94 | 87 | 100 |
| GL134-059-04 | 95 | 92 | 95 | 99 | 100 | 100 |
| GL134-059-05 | 96 | 97 | 98 | 100 | 100 | 100 |
| GL134-060-01 | 100 | 97 | 92 | 98 | 98 | 100 |
| GL134-061-01 | 100 | 93 | 87 | 98 | 91 | 100 |
| GL134-061-02 | 99 | 92 | 97 | 98 | 82 | 84 |
| GL134-062-01 | 98 | 99 | 98 | 100 | 100 | 100 |
| GL134-063-01 | 73 | 96 | 87 | 98 | 87 | 100 |
| GL134-064-01 | 100 | 99 | 96 | 98 | 37 | 93 |
| GL134-064-02 | 98 | 97 | 98 | 100 | 100 | 100 |
| GL134-064-04 | 99 | 97 | 100 | 100 | 99 | 100 |
| GL134-065-01 | 85 | 90 | 80 | 82 | 96 | 100 |
| GL134-065-02 | 84 | 86 | 83 | 81 | 100 | 100 |
| GL134-066-01 | 100 | 74 | 78 | 98 | 78 | 82 |
| GL134-068-01 | 100 | 96 | 98 | 98 | 100 | 100 |
| GL134-068-08 | 99 | 91 | 100 | 100 | 100 | 100 |
| GL134-069-01 | 98 | 90 | 97 | 92 | 100 | 99 |
| GL134-070-01 | 99 | 93 | 95 | 97 | 78 | 100 |
| GL134-071-01 | 98 | 97 | 96 | 96 | 100 | 100 |
| GL134-072-01 | 100 | 94 | 95 | 98 | 30 | 100 |

| | | | | | | |
|---|---|---|---|---|---|---|
| GL134-074-01 | 98 | 96 | 96 | 98 | 93 | 100 |
| GL134-074-02 | 100 | 97 | 100 | 100 | 94 | 100 |
| GL134-075-01 | 100 | 83 | 80 | 95 | 38 | 53 |
| GL134-076-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-077-01 | 100 | 99 | 100 | 100 | 100 | 100 |
| GL134-077-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-078-03 | 100 | 98 | 96 | 97 | 100 | 100 |
| GL134-079-01 | 91 | 67 | 96 | 100 | 100 | 100 |
| GL134-079-02 | 88 | 75 | 96 | 98 | 100 | 99 |
| GL134-079-03 | 100 | 88 | 94 | 99 | 100 | 100 |
| GL134-080-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-080-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-080-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-081-01 | 100 | 92 | 96 | 98 | 73 | 100 |
| GL134-083-01 | 99 | 93 | 82 | 78 | 38 | 100 |
| GL134-084-01 | 100 | 100 | 93 | 99 | 84 | 91 |
| GL134-085-52 | 100 | 94 | 100 | 100 | 100 | 100 |
| GL134-085-53 | 100 | 100 | 100 | 99 | 100 | 100 |
| GL134-087-01 | 100 | 93 | 98 | 99 | 100 | 100 |
| GL134-088-01 | 100 | 88 | 99 | 100 | 86 | 100 |
| GL134-088-02 | 100 | 92 | 99 | 100 | 83 | 100 |
| GL134-088-03 | 91 | 85 | 95 | 85 | 92 | 100 |
| GL134-088-04 | 90 | 81 | 93 | 92 | 58 | 99 |
| GL134-089-01 | 100 | 88 | 88 | 96 | 13 | 100 |
| GL134-089-02 | 93 | 88 | 99 | 100 | 99 | 100 |
| GL134-090-01 | 82 | 68 | 89 | 88 | 1 | 82 |
| GL134-091-01 | 100 | 34 | 98 | 100 | 91 | 96 |
| GL134-091-02 | 100 | 30 | 95 | 100 | 92 | 86 |
| GL134-091-03 | 100 | 33 | 96 | 100 | 95 | 97 |
| GL134-091-06 | 100 | 33 | 92 | 100 | 94 | 93 |
| GL134-092-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-092-02 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-092-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-092-04 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-094-02 | 93 | 88 | 95 | 95 | 97 | 93 |
| GL134-095-13 | 98 | 93 | 94 | 98 | 100 | 100 |
| GL134-098-01 | 100 | 94 | 97 | 99 | 100 | 100 |
| GL134-099-01 | 100 | 66 | 98 | 100 | 99 | 100 |
| GL134-099-02 | 100 | 82 | 98 | 99 | 89 | 100 |
| GL134-099-03 | 100 | 93 | 98 | 100 | 100 | 100 |
| GL134-100-01 | 99 | 97 | 100 | 100 | 100 | 100 |
| GL134-100-02 | 99 | 87 | 100 | 100 | 100 | 100 |
| GL134-101-01 | 98 | 97 | 88 | 100 | 89 | 100 |
| GL134-102-01 | 100 | 82 | 99 | 100 | 100 | 100 |
| GL134-103-01 | 83 | 100 | 88 | 100 | 78 | 100 |
| GL134-104-17 | 98 | 88 | 98 | 98 | 80 | 98 |
| GL134-105-04 | 100 | 83 | 98 | 97 | 100 | 100 |
| GL134-106-01 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-106-02 | 100 | 94 | 100 | 100 | 100 | 100 |
| GL134-107-01 | 100 | 76 | 100 | 100 | 82 | 100 |
| GL134-108-01 | 98 | 100 | 100 | 100 | 100 | 100 |
| GL134-109-02 | 100 | 98 | 99 | 100 | 98 | 100 |
| GL134-111-03 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-111-04 | 100 | 100 | 99 | 100 | 100 | 100 |
| GL134-111-05 | 100 | 100 | 100 | 100 | 100 | 100 |
| GL134-111-06 | 100 | 100 | 100 | 100 | 100 | 100 |
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