



International Cotton Advisory Committee



CSITC

Global - Round Trial 2012 - 1

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

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.



Global - Round Trial 2012 - 1

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

Micronaire								
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average	Cotton 5
Average of Instruments (Grubbs)			4.028	2.496	4.200	4.324		4.195
Reference Values for Evaluation			4.028	2.496	4.200	4.324		4.195
Number Of Instruments			104	104	104	104	104	104
Inter-Instrument Variation	based on 30 tests	SD	0.078	0.060	0.058	0.074	0.068	0.060
		CV %	1.9	2.4	1.4	1.7	1.9	1.4
	based on 6 tests	SD	0.080	0.063	0.064	0.074	0.070	0.067
		CV %	2.0	2.5	1.5	1.7	1.9	1.6
	based on single tests	SD	0.091	0.071	0.073	0.082	0.079	0.076
		CV %	2.3	2.8	1.7	1.9	2.2	1.8
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.025	0.023	0.025	0.028	0.025	0.025
		CV %	0.6	0.9	0.6	0.6	0.7	0.6
	between single tests on one day	SD	0.041	0.026	0.033	0.037	0.034	0.039
		CV %	1.0	1.1	0.8	0.9	0.9	0.9
	between all tests on different days	SD	0.048	0.035	0.043	0.048	0.043	0.047
		CV %	1.2	1.4	1.0	1.1	1.2	1.1

Strength								
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average	Cotton 5
Average of Instruments (Grubbs)			28.591	22.116	33.990	27.981		33.960
Reference Values for Evaluation			28.591	22.116	33.990	27.981		33.960
Number Of Instruments			105	105	105	105	105	105
Inter-Instrument Variation	based on 30 tests	SD	0.715	0.933	0.921	0.817	0.847	0.821
		CV %	2.5	4.2	2.7	2.9	3.1	2.4
	based on 6 tests	SD	0.837	0.954	0.992	0.869	0.913	0.954
		CV %	2.9	4.3	2.9	3.1	3.3	2.8
	based on single tests	SD	0.997	1.165	1.182	0.989	1.083	1.114
		CV %	3.5	5.3	3.5	3.5	3.9	3.3
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.334	0.346	0.388	0.367	0.359	0.373
		CV %	1.2	1.6	1.1	1.3	1.3	1.1
	between single tests on one day	SD	0.598	0.462	0.618	0.533	0.553	0.6
		CV %	2.1	2.1	1.8	1.9	2.0	1.8
	between all tests on different days	SD	0.693	0.581	0.730	0.664	0.667	0.766
		CV %	2.4	2.6	2.1	2.4	2.4	2.3

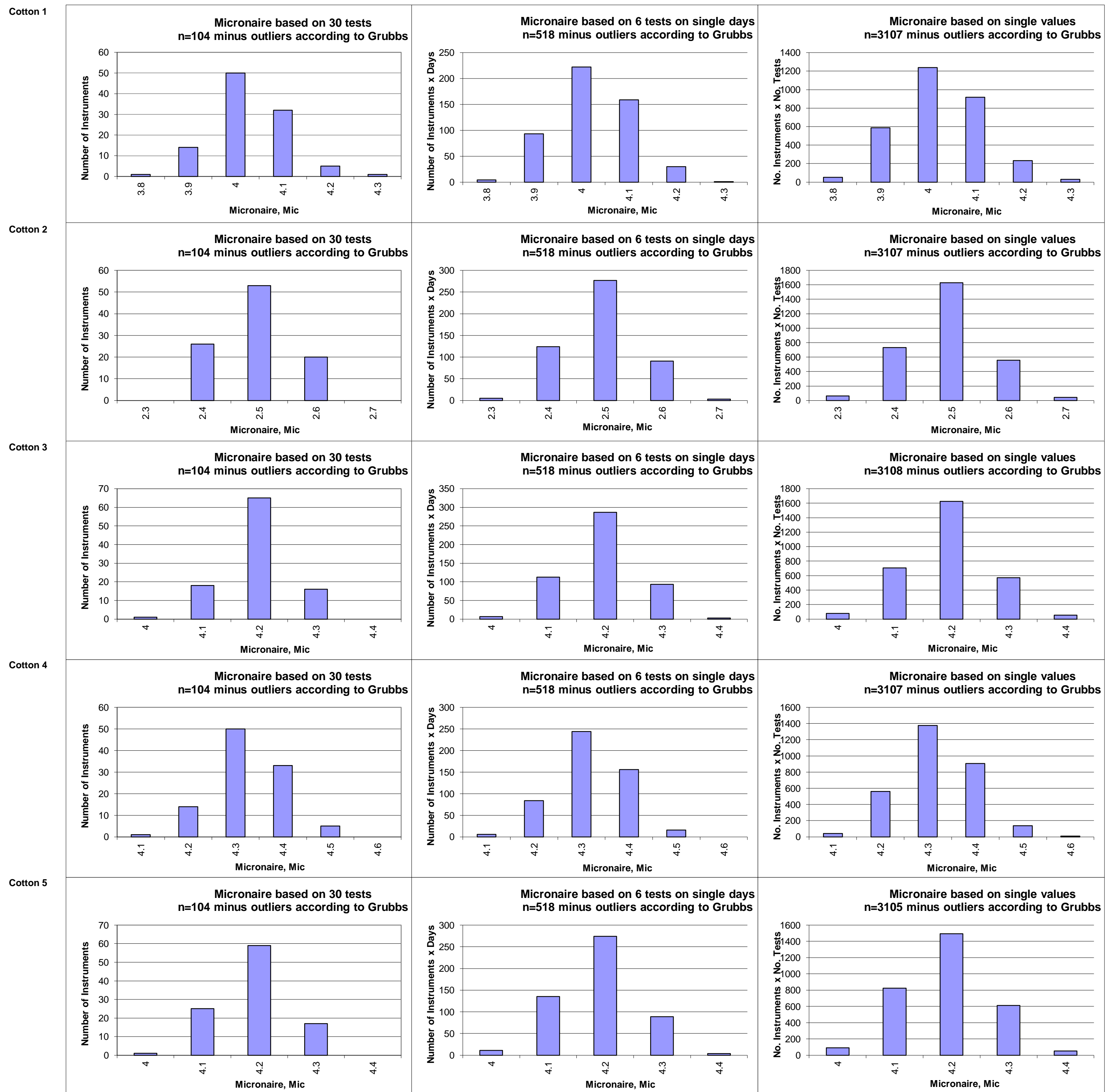
Length								
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average	Cotton 5
Average of Instruments (Grubbs)			1.1086	0.9747	1.2274	1.0640		1.2114
Reference Values for Evaluation			1.1086	0.9747	1.2274	1.0640		1.2114
Number Of Instruments			105	105	105	105	105	105
Inter-Instrument Variation	based on 30 tests	SD	0.0106	0.0119	0.0133	0.0101	0.0115	0.0105
		CV %	1.0	1.2	1.1	1.0	1.1	0.9
	based on 6 tests	SD	0.0121	0.0137	0.0145	0.0116	0.0130	0.0125
		CV %	1.1	1.4	1.2	1.1	1.2	1.0
	based on single tests	SD	0.0157	0.0169	0.0169	0.0153	0.0162	0.0169
		CV %	1.4	1.7	1.4	1.4	1.5	1.4
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.0052	0.0055	0.0057	0.0054	0.0054	0.0051
		CV %	0.5	0.6	0.5	0.5	0.5	0.4
	between single tests on one day	SD	0.0105	0.0100	0.0097	0.0093	0.0099	0.0089
		CV %	0.9	1.0	0.8	0.9	0.9	0.7
	between all tests on different days	SD	0.0115	0.0116	0.0111	0.0109	0.0113	0.0103
		CV %	1.0	1.2	0.9	1.0	1.0	0.9

Uniformity								
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average	Cotton 5
Average of Instruments (Grubbs)			80.341	77.432	83.689	80.548		84.581
Reference Values for Evaluation			80.341	77.432	83.689	80.548		84.581
Number Of Instruments			105	105	105	105	105	105
Inter-Instrument Variation	based on 30 tests	SD	0.557	0.758	0.522	0.438	0.569	0.469
		CV %	0.7	1.0	0.6	0.5	0.7	0.6
	based on 6 tests	SD	0.628	0.828	0.560	0.554	0.642	0.546
		CV %	0.8	1.1	0.7	0.7	0.8	0.6
	based on single tests	SD	0.839	1.012	0.716	0.758	0.831	0.720
		CV %	1.0	1.3	0.9	0.9	1.0	0.9
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.286	0.325	0.256	0.272	0.285	0.261
		CV %	0.4	0.4	0.3	0.3	0.4	0.3
	between single tests on one day	SD	0.560	0.527	0.460	0.496	0.511	0.437
		CV %	0.7	0.7	0.5	0.6	0.6	0.5
	between all tests on different days	SD	0.625	0.599	0.509	0.603	0.584	0.501
		CV %	0.8	0.8	0.6	0.7	0.7	0.6

Color Rd								
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average	Cotton 5
Average of Instruments (Grubbs)			80.502	79.007	75.748	76.790		77.953
Reference Values for Evaluation			80.502	79.007	75.748	76.790		77.953
Number Of Instruments			100	100	100	100	100	100
Inter-Instrument Variation	based on 30 tests	SD	0.778	0.832	1.124	0.801	0.884	0.995
		CV %	1.0	1.1	1.5	1.0	1.1	1.3
	based on 6 tests	SD	0.806	0.897	1.041	0.880	0.906	1.067
		CV %	1.0	1.1	1.4	1.1	1.2	1.4
	based on single tests	SD	0.874	0.923	1.069	0.897	0.941	1.085
		CV %	1.1	1.2	1.4	1.2	1.2	1.4
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.218	0.219	0.201	0.201	0.209	0.219
		CV %	0.3	0.3	0.3	0.3	0.3	0.3
	between single tests on one day	SD	0.243	0.208	0.198	0.181	0.207	0.203
		CV %	0.3	0.3	0.3	0.2	0.3	0.3
	between all tests on different days	SD	0.334	0.310	0.289	0.294	0.307	0.306
		CV %	0.4	0.4	0.4	0.4	0.4	0.4

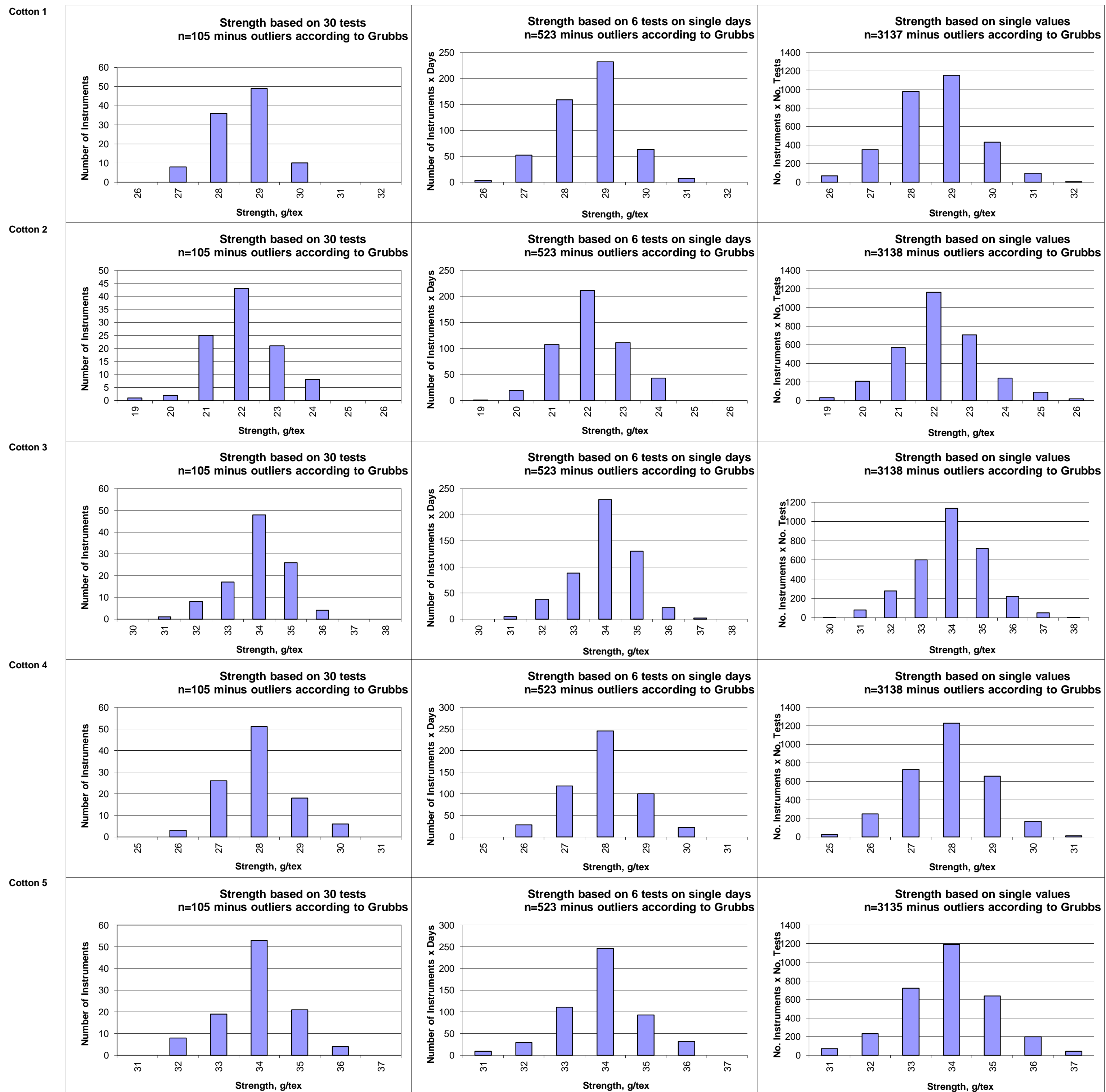
Color +b								
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average	Cotton 5
Average of Instruments (Grubbs)			9.211	12.256	11.616	9.827		11.595
Reference Values for Evaluation			9.211	12.256	11.616	9.827		11.595
Number Of Instruments			100	100	100	100	100	100
Inter-Instrument Variation	based on 30 tests	SD	0.323	0.424	0.327	0.314	0.347	0.378
		CV %	3.5	3.5	2.8	3.2	3.2	3.3
	based on 6 tests	SD	0.369	0.444	0.342	0.328	0.371	0.405
		CV %	4.0	3.6	2.9	3.3	3.5	3.5
	based on single tests	SD	0.392	0.465	0.366	0.356	0.395	0.415
		CV %	4.3	3.8	3.1	3.6	3.7	3.6
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.115	0.122	0.108	0.100	0.112	0.128
		CV %	1.3	1.0	0.9	1.0	1.1	1.1
	between single tests on one day	SD	0.114	0.109	0.110	0.098	0.108	0.112
		CV %	1.2	0.9	0.9	1.0	1.0	1.0
	between all tests on different days	SD	0.166	0.180	0.158	0.150	0.164	0.170
		CV %	1.8	1.5	1.4	1.5	1.5	1.5

Test Result Distributions
Micronaire



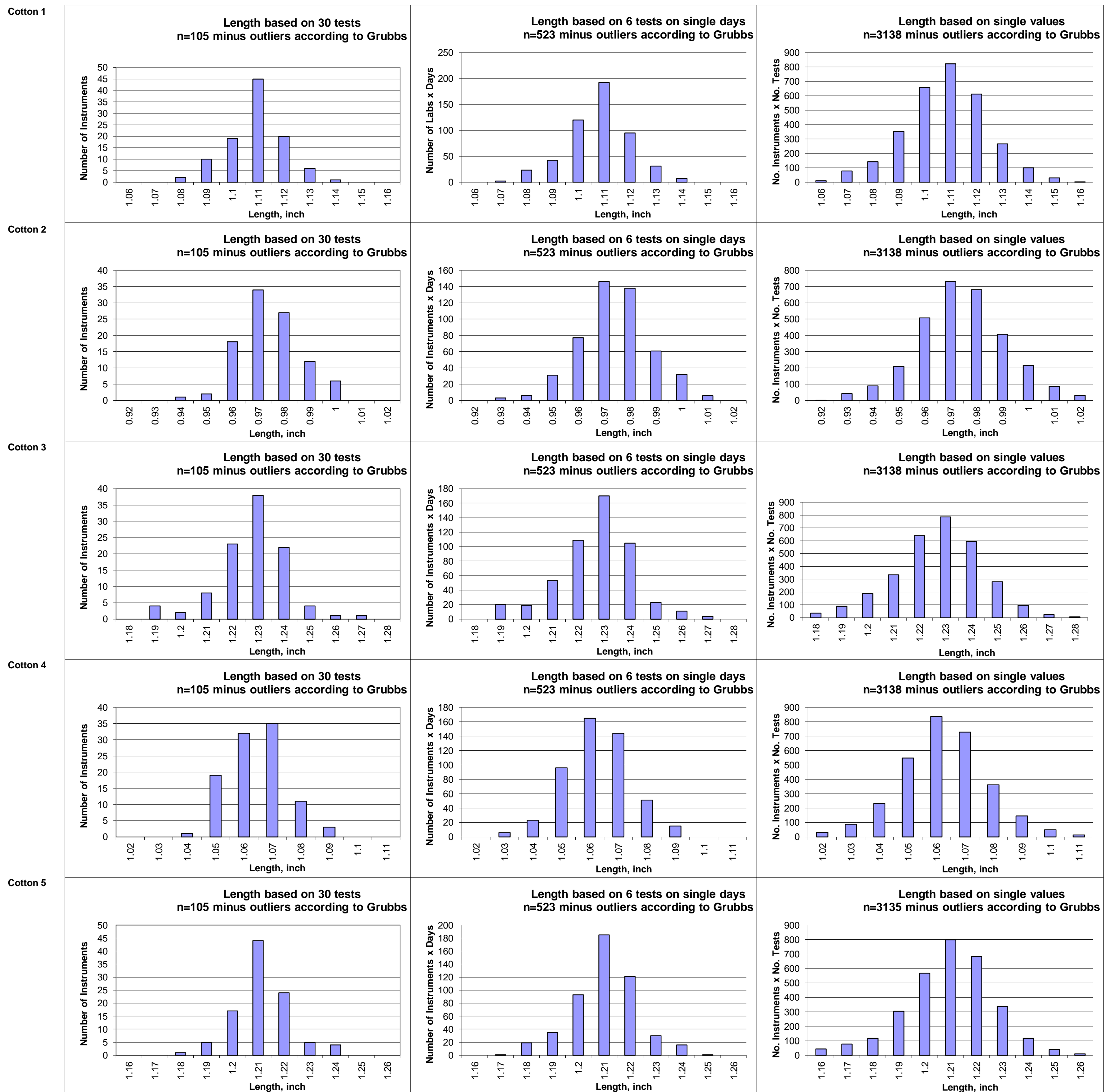
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method.)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Strength



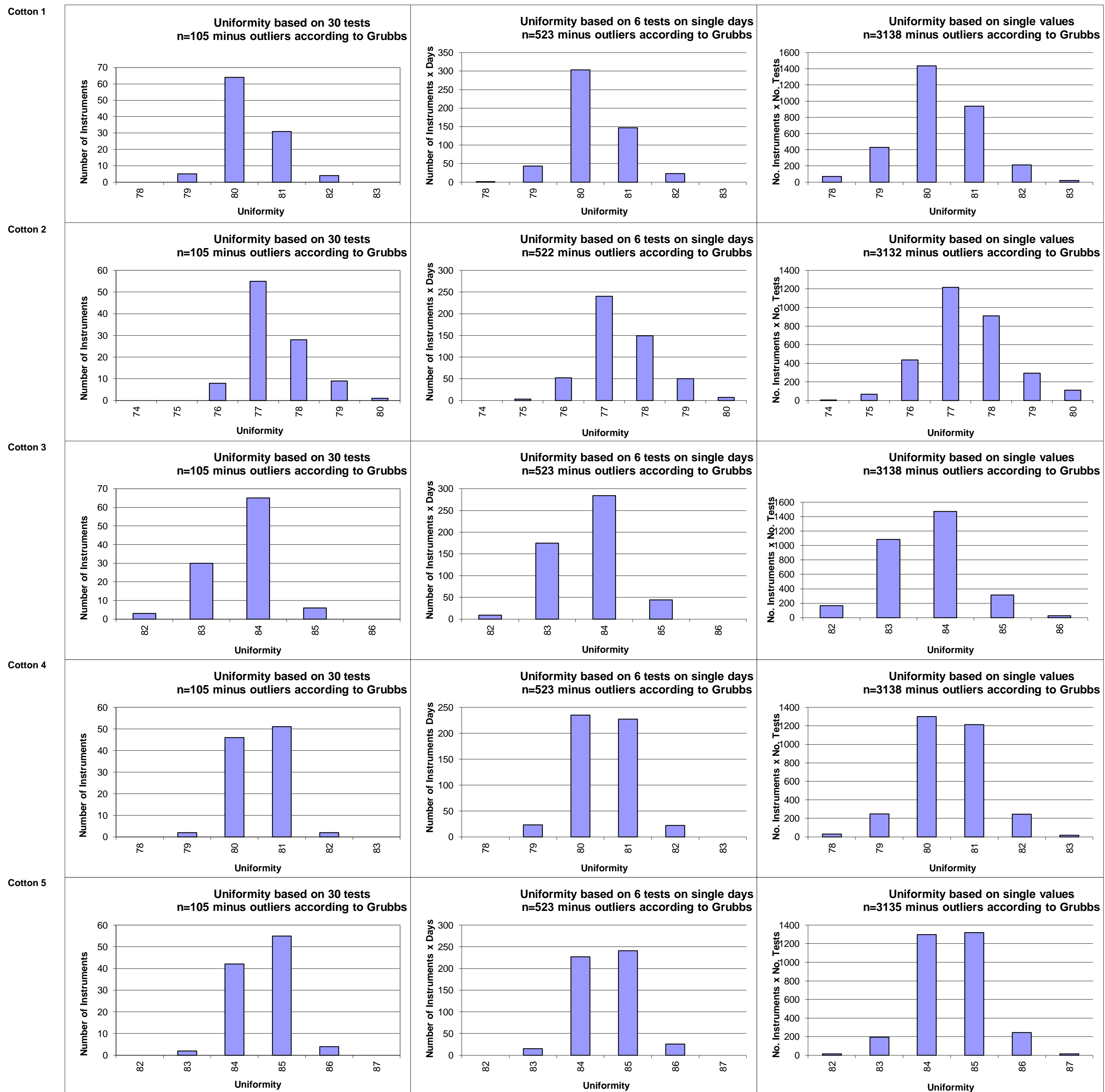
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Test Result Distributions
Length



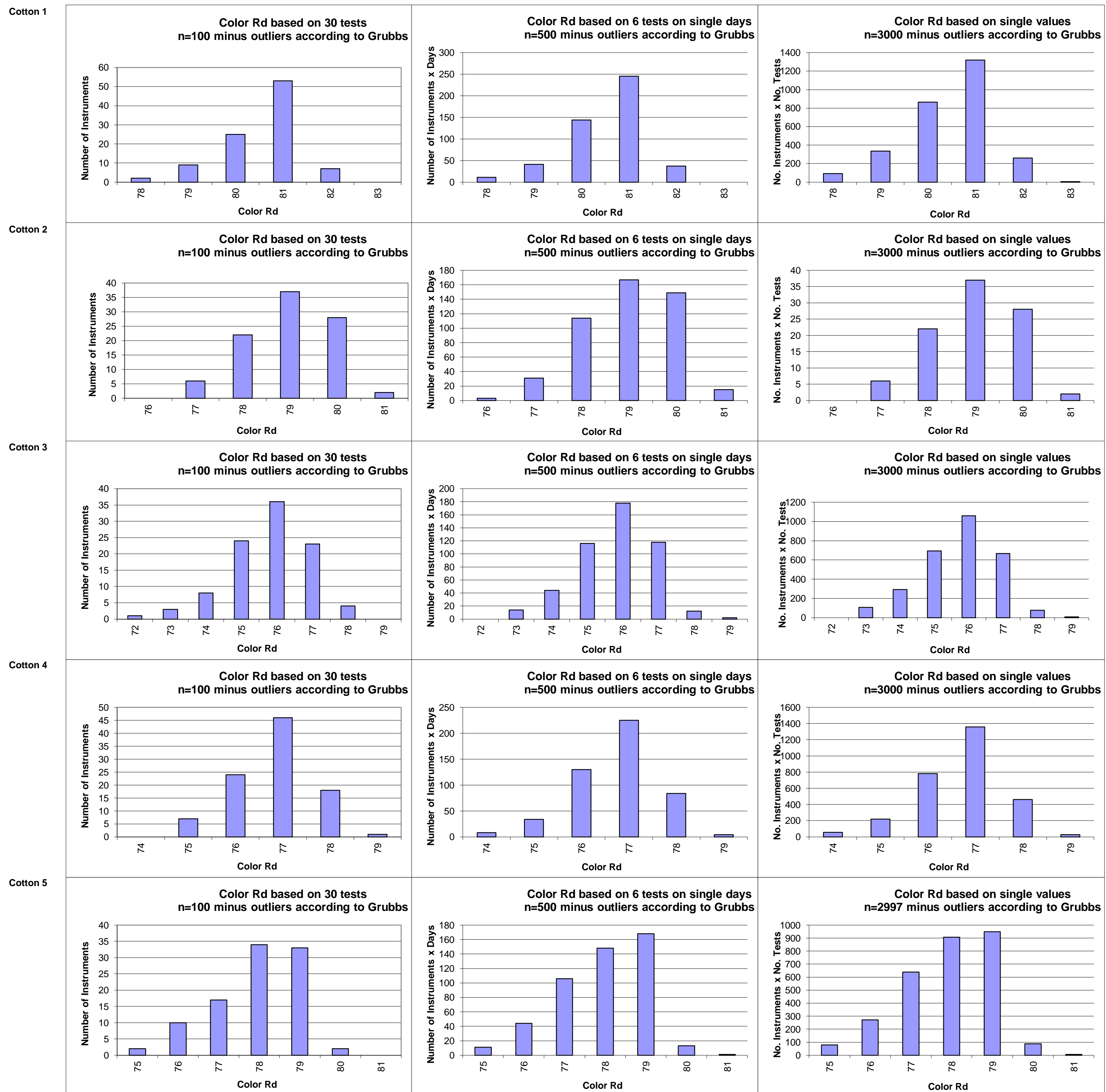
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Test Result Distributions
Uniformity



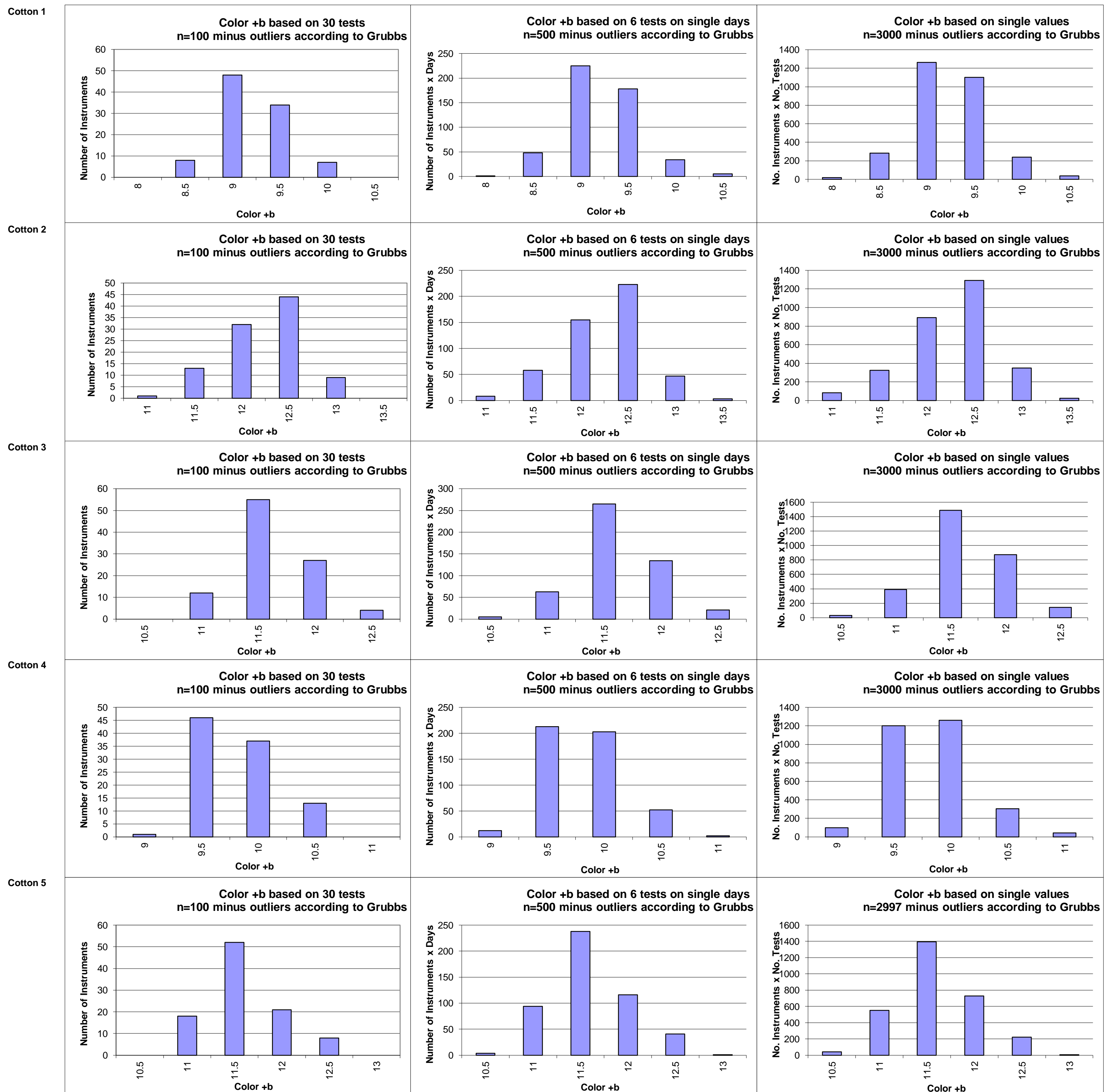
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Test Result Distributions
Color Rd



(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



(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
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Optional Parameters

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

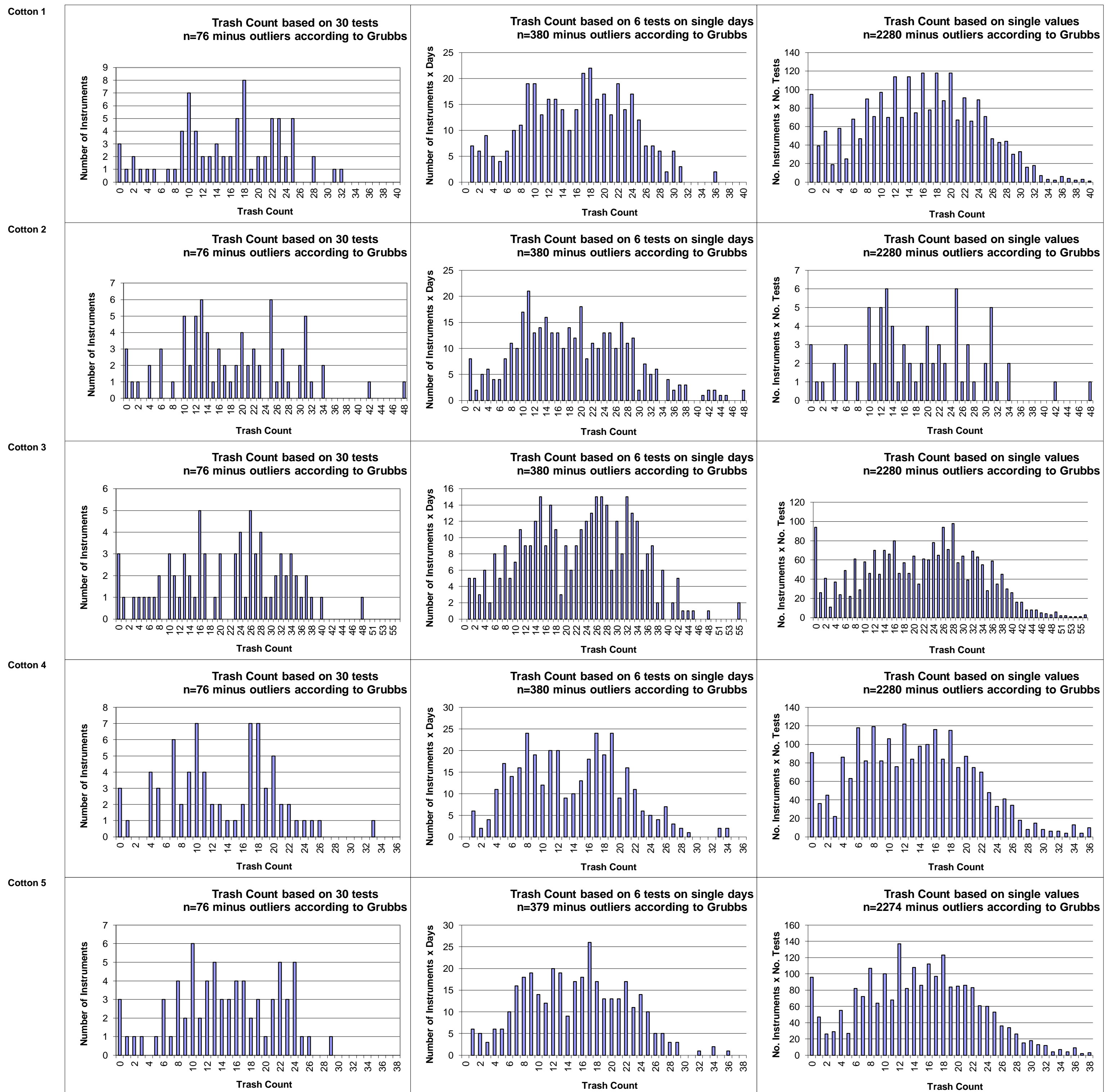
Trash Count								
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average	Cotton 5
Average of Instruments (Grubbs)			15.62	18.20	21.41	13.32		14.44
Reference Values for Evaluation			15.62	18.20	21.41	13.32		14.44
Number Of Instruments			76	76	76	76	76	76
Inter-Instrument Variation	based on 30 tests	SD	7.74	9.88	11.02	6.92	8.89	6.99
		CV %	49.6	54.3	51.5	52.0	51.8	48.4
	based on 6 tests	SD	7.85	9.98	11.36	7.15	9.09	7.41
		CV %	50.2	54.8	53.1	53.7	53.0	51.3
	based on single tests	SD	8.28	10.09	11.65	7.60	9.40	7.90
		CV %	53.0	55.4	54.4	57.0	55.0	54.7
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	1.81	2.03	2.16	1.64	1.91	1.94
		CV %	11.6	11.1	10.1	12.3	11.3	13.4
	between single tests on one day	SD	2.48	2.49	2.52	2.12	2.40	2.12
		CV %	15.9	13.7	11.8	15.9	14.3	14.7
	between all tests on different days	SD	3.31	3.33	3.73	2.71	3.27	3.19
		CV %	21.2	18.3	17.4	20.3	19.3	22.1

Trash Area								
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average	Cotton 5
Average of Instruments (Grubbs)			0.174	0.182	0.188	0.170		0.158
Reference Values for Evaluation			0.174	0.182	0.188	0.170		0.158
Number Of Instruments			75	75	75	75	75	75
Inter-Instrument Variation	based on 30 tests	SD	0.052	0.063	0.063	0.063	0.060	0.054
		CV %	29.9	34.8	33.6	36.8	33.8	33.8
	based on 6 tests	SD	0.064	0.065	0.067	0.071	0.067	0.056
		CV %	37.1	35.8	35.5	41.7	37.5	35.6
	based on single tests	SD	0.080	0.080	0.079	0.080	0.079	0.067
		CV %	45.8	44.1	41.7	47.0	44.6	42.3
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.027	0.027	0.025	0.027	0.026	0.024
		CV %	15.5	14.6	13.2	16.1	14.9	14.9
	between single tests on one day	SD	0.036	0.032	0.029	0.031	0.032	0.0
		CV %	20.9	17.8	15.6	18.2	18.2	17.7
	between all tests on different days	SD	0.051	0.043	0.043	0.046	0.046	0.043
		CV %	29.1	23.7	22.7	27.4	25.7	27.2

Maturity								
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average	Cotton 5
Average of Instruments (Grubbs)			84.41	78.44	84.76	83.53		85.67
Reference Values for Evaluation			84.41	78.44	84.76	83.53		85.67
Number Of Instruments			76	76	76	76	76	76
Inter-Instrument Variation	based on 30 tests	SD	2.12	4.14	4.51	4.78	3.89	3.05
		CV %	2.5	5.3	5.3	5.7	4.7	3.6
	based on 6 tests	SD	1.87	4.20	4.37	4.80	3.81	3.05
		CV %	2.2	5.3	5.1	5.7	4.6	3.6
	based on single tests	SD	1.94	4.20	2.88	2.15	2.79	2.98
		CV %	2.3	5.4	3.4	2.6	3.4	3.5
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.30	0.32	0.27	0.33	0.31	0.27
		CV %	0.4	0.4	0.3	0.4	0.4	0.3
	between single tests on one day	SD	0.40	0.33	0.35	0.43	0.38	0.30
		CV %	0.5	0.4	0.4	0.5	0.5	0.4
	between all tests on different days	SD	0.50	0.50	0.48	0.51	0.50	0.47
		CV %	0.6	0.6	0.6	0.6	0.6	0.5

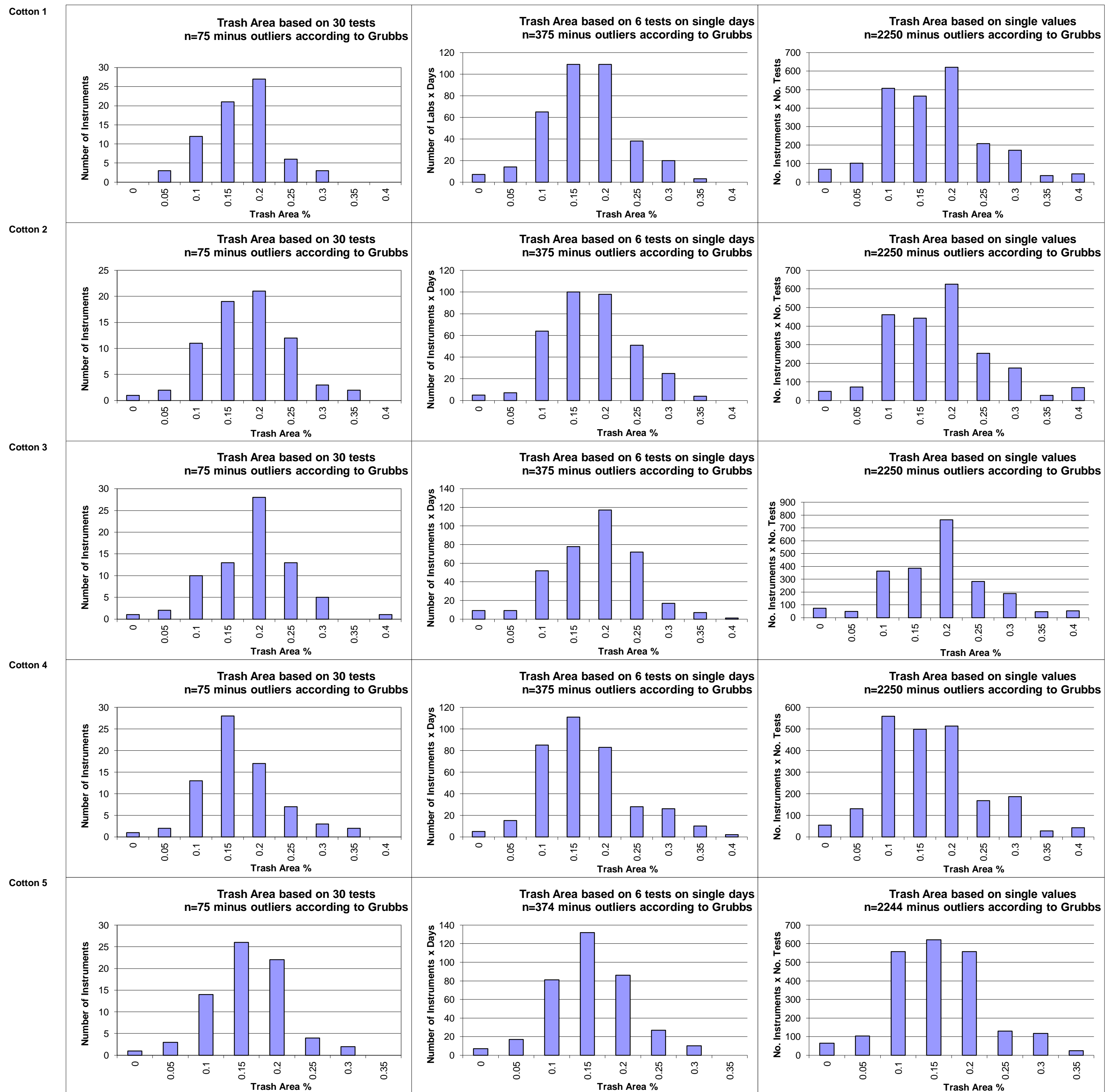
SFI								
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average	Cotton 5
Average of Instruments (Grubbs)			10.57	15.94	6.77	10.96		6.61
Reference Values for Evaluation			10.57	15.94	6.77	10.96		6.61
Number Of Instruments			86	86	86	86	86	86
Inter-Instrument Variation	based on 30 tests	SD	1.47	2.49	1.39	1.84	1.80	1.25
		CV %	13.9	15.6	20.5	16.8	16.7	18.9
	based on 6 tests	SD	1.29	2.52	1.30	1.56	1.67	1.27
		CV %	12.2	15.8	19.2	14.2	15.4	19.2
	based on single tests	SD	1.49	2.63	1.35	1.68	1.79	1.33
		CV %	14.1	16.5	19.9	15.4	16.5	20.1
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.29	0.45	0.20	0.36	0.33	0.17
		CV %	2.7	2.8	3.0	3.2	3.0	2.6
	between single tests on one day	SD	0.54	0.68	0.29	0.54	0.51	0.25
		CV %	5.1	4.3	4.3	4.9	4.7	3.8
	between all tests on different days	SD	0.63	0.81	0.33	0.66	0.60	0.31
		CV %	5.9	5.1	4.8	6.0	5.4	4.6

Test Result Distributions
Trash Count



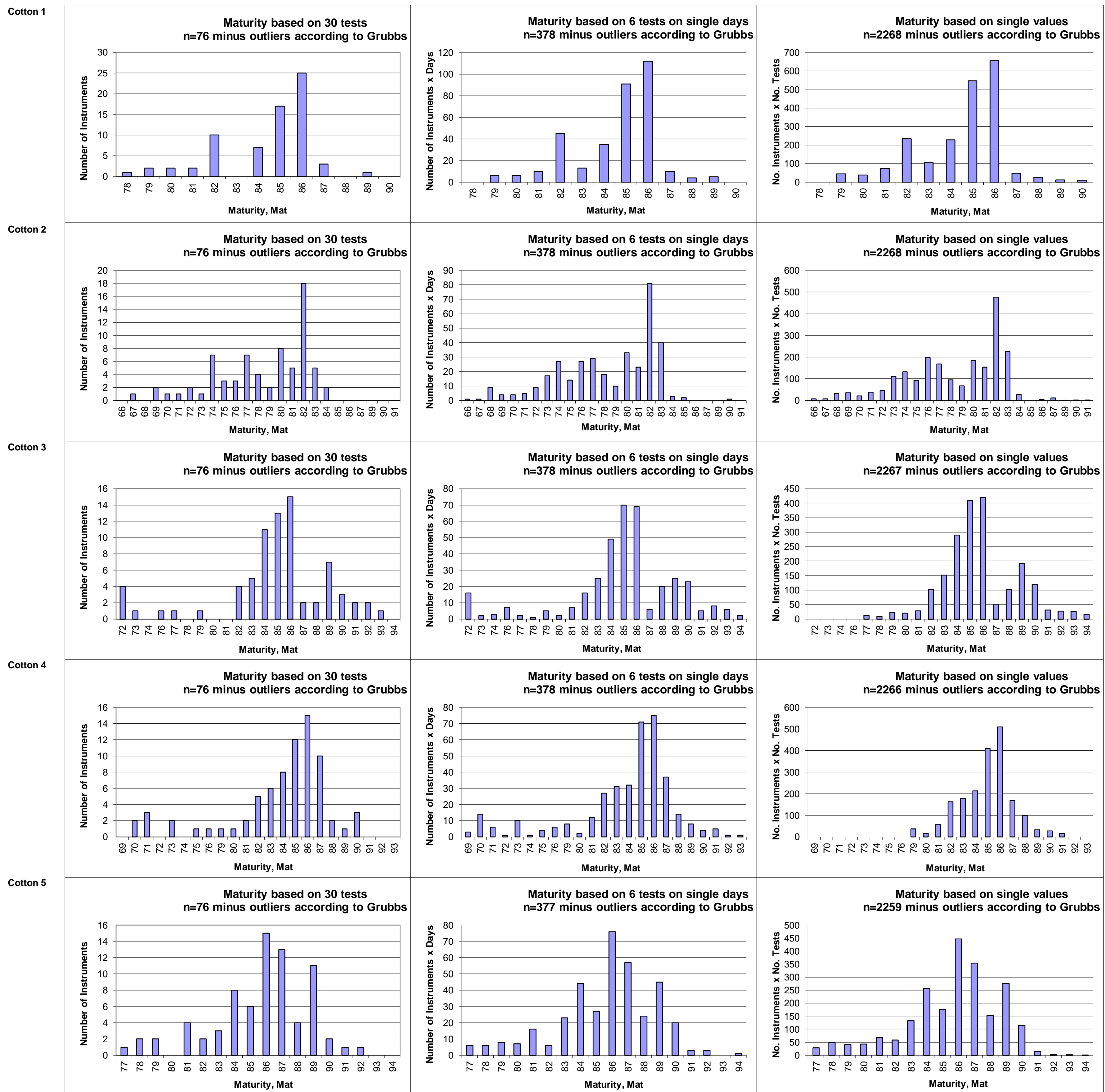
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
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Test Result Distributions
Trash Area



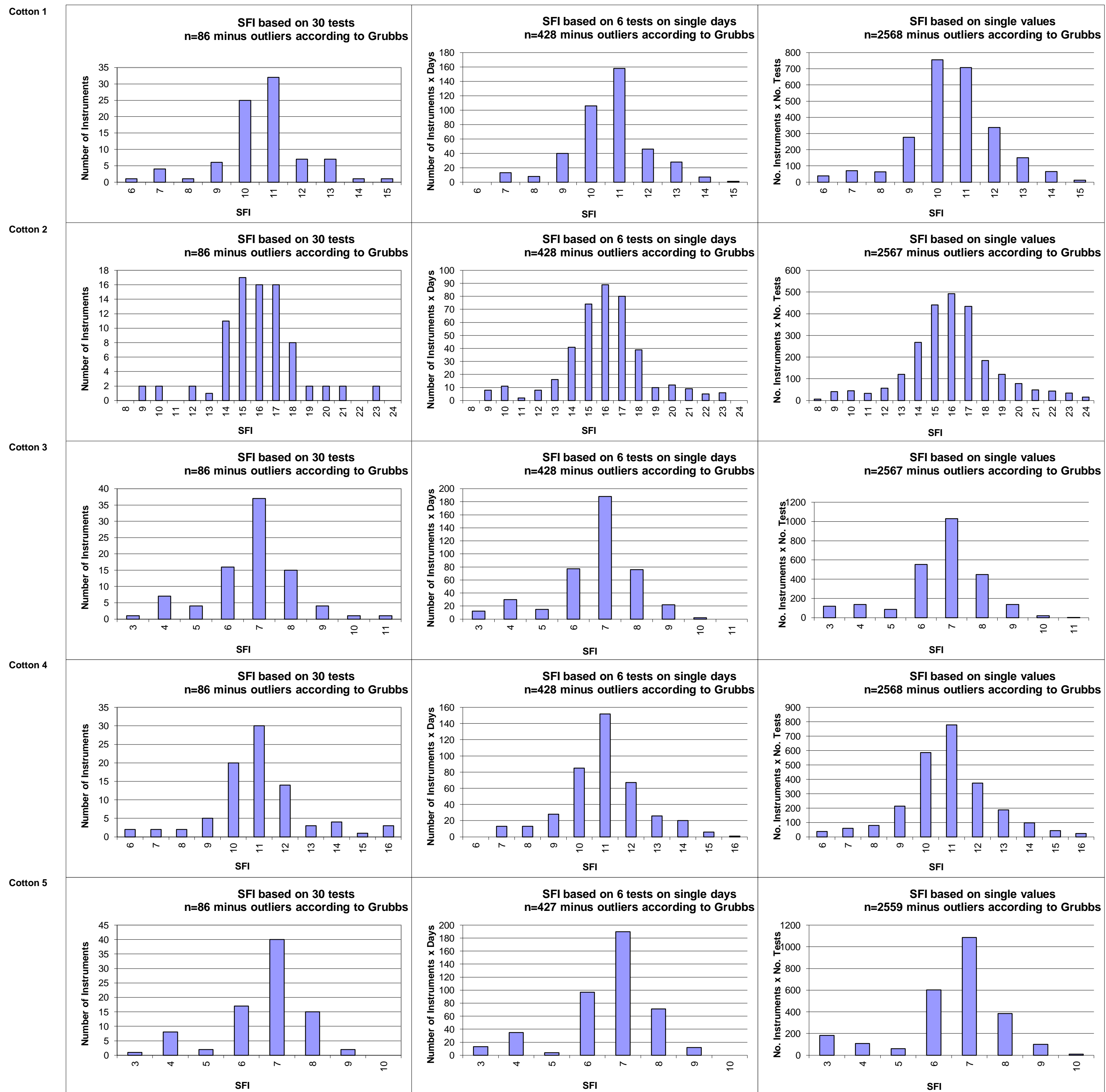
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Maturity



(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



(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 2012 - 1

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



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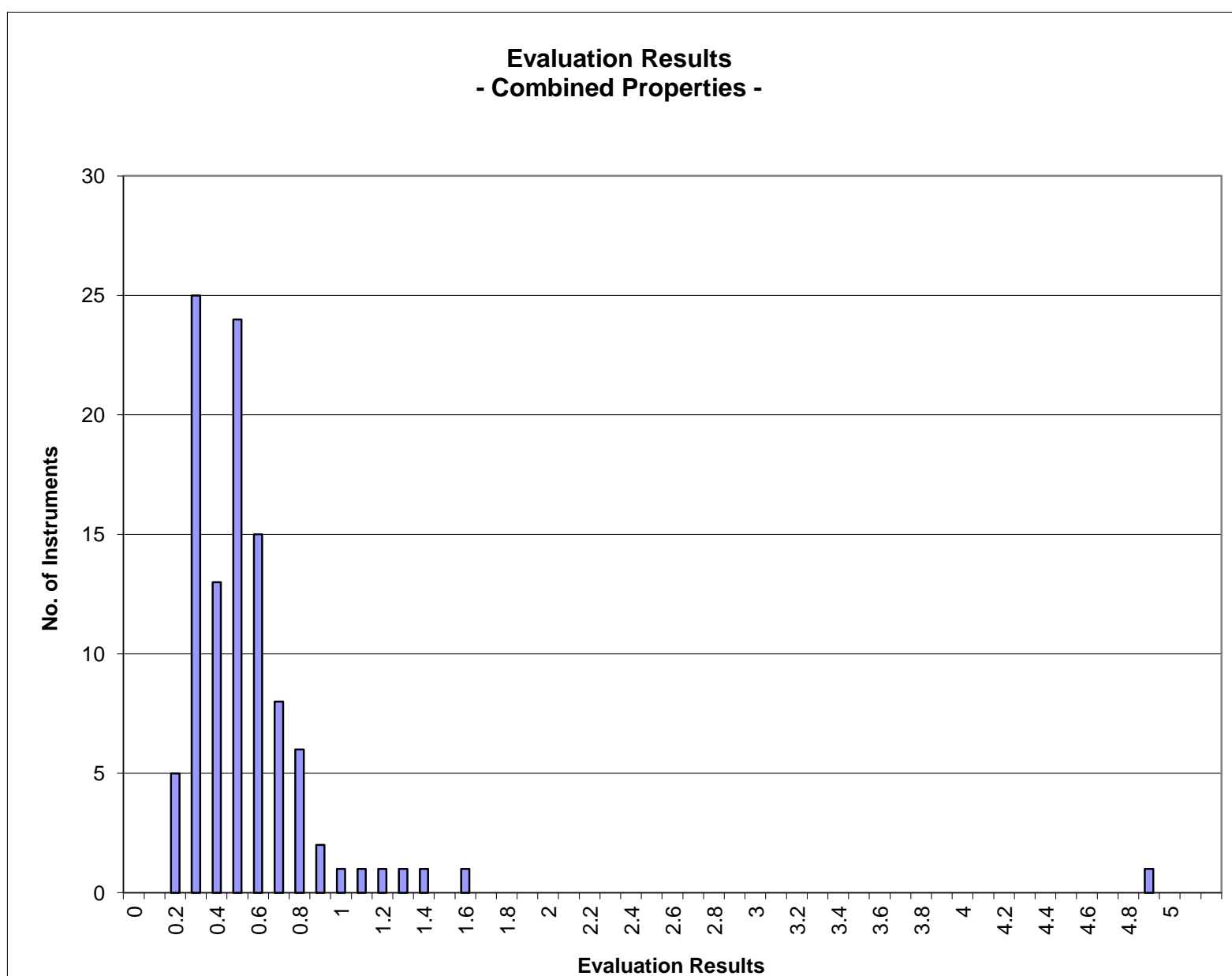
Instrument Evaluation

- Graph of Combined Properties -

According to ICAC CSITC Task Force Recommendations

Global - Round Trial 2012 - 1

		Evaluation Combined Prop.
Statistics	Average	0.57
	Median	0.50
	Best Instrument	0.15
	Worst Instrument	4.93

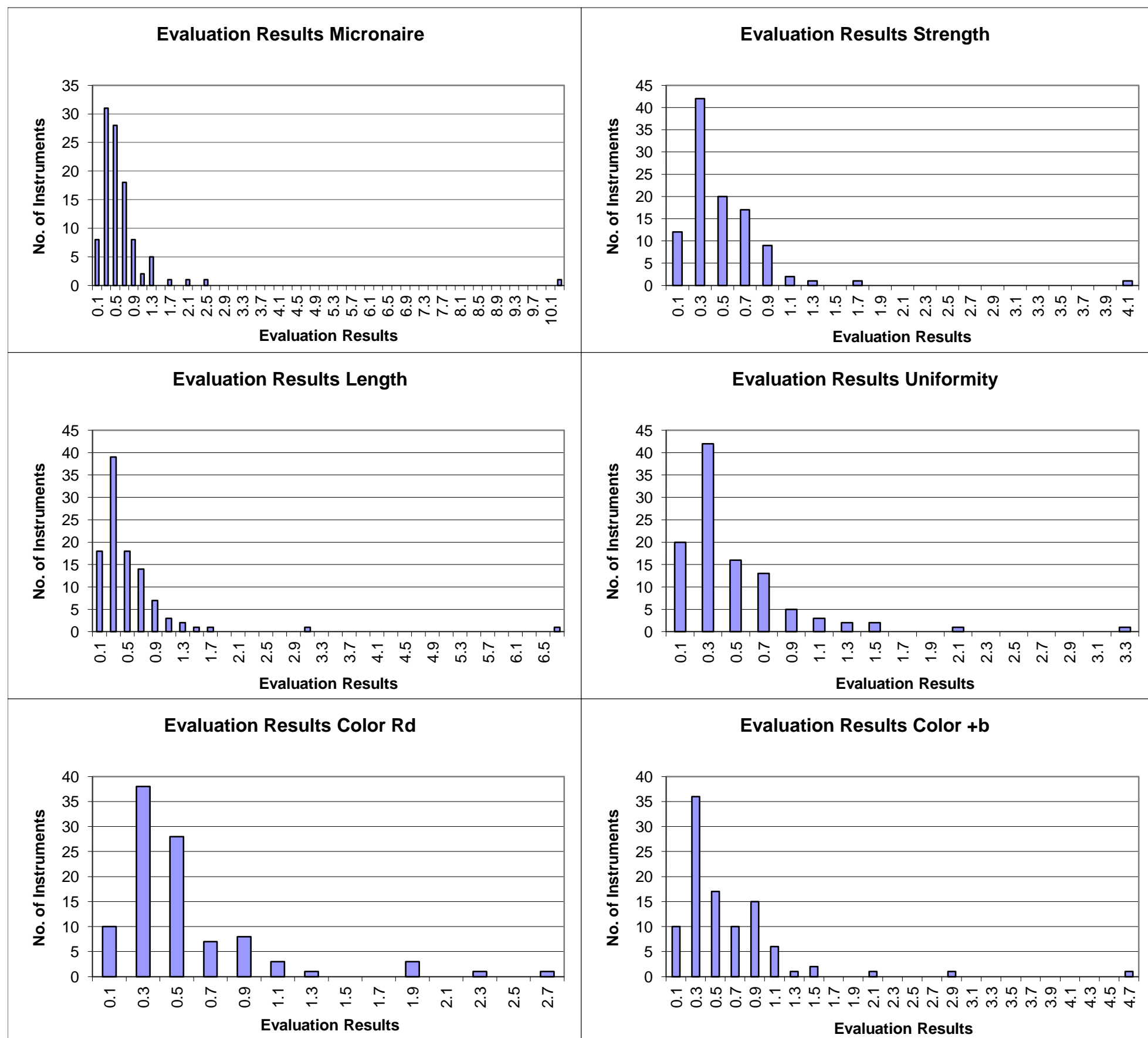


x-Axis shows midpoints of classes

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 2012 - 1

		Evaluation Micronaire	Evaluation Strength	Evaluation Length	Evaluation Uniformity	Evaluation Color Rd	Evaluation Color +b
Statistics	Average	0.67	0.50	0.55	0.50	0.53	0.62
	Median	0.49	0.39	0.37	0.36	0.40	0.43
	Best Instr.	0.08	0.07	0.08	0.10	0.05	0.05
	Worst Instr.	10.21	4.17	6.63	3.38	2.70	4.71



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



International Cotton Advisory Committee



CSITC
Global - Round Trial 2012 - 1
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

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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	96.9	95.7	94.8	97.6	88.3	97.5
Completely within limits	93.3	87.6	89.5	94.3	80.0	96.0
% of Instruments $\geq 75\%$ within limits	96.2	96.2	94.3	98.1	87.0	97.0
% of Instruments $\geq 50\%$ within limits	99.0	99.0	97.1	98.1	92.0	98.0

Percentage of Results Within Limits						
Instrument	Micronaire	Strength	Length	Uniformity	Color Rd	Color +b
GL121-001-01	100	100	100	100	100	100
GL121-001-02	100	100	100	100	100	100
GL121-001-03	100	100	100	100	100	100
GL121-003-01	100	100	100	100	100	100
GL121-004-01	100	100	100	100	100	100
GL121-004-02	100	100	100	100	100	100
GL121-007-01	100	100	75	100	0	50
GL121-008-01	100	100	100	100	0	0
GL121-009-01	75	100	100	100	100	100
GL121-010-01	100	100	100	100	0	100
GL121-011-01		75	100	100		
GL121-012-16	100	100	100	100	100	100
GL121-012-19	100	100	100	100	100	100
GL121-013-01	100	100	75	100	100	100
GL121-013-02	100	100	75	100	100	100
GL121-013-03	100	75	100	100	75	100
GL121-013-04	100	75	100	100	75	100
GL121-014-01	100	100	100	100	100	100
GL121-015-01	100	100	100	100	100	100
GL121-017-01	100	50	100	100	100	100
GL121-017-02	100	100	100	100	100	100
GL121-017-03	100	100	100	100	100	100
GL121-018-01	50	100	100	100	100	100
GL121-019-01	100	75	100	75	100	100
GL121-020-01	100	100	100	100	100	100
GL121-021-01	100	100	100	100	100	100
GL121-023-01	100	100	100	100	100	100
GL121-024-01	100	100	100	100	0	100
GL121-029-01	100	75	100	100	100	100
GL121-031-01	100	100	100	100	100	100
GL121-032-01	100	100	0	25	50	100
GL121-034-01	100	100	100	100	100	100
GL121-038-01	100	75	100	100	100	100
GL121-039-02	100	100	100	100	100	100
GL121-039-06	100	100	100	100	100	100
GL121-040-21	100	100	100	100	0	100
GL121-040-40	100	100	100	100	50	100
GL121-042-01	100	100	100	100	100	100

GL121-044-01	100	100	100	100	100	100
GL121-046-01	100	100	100	100	100	100
GL121-047-01	100	100	100	100		
GL121-047-02	100	100	100	100		
GL121-047-03	50	100	100	100		
GL121-048-01	100	100	100	75	100	100
GL121-048-03	100	100	100	100	100	100
GL121-049-01	100	100	100	100	100	100
GL121-049-02	100	100	100	100	100	100
GL121-049-04	100	100	100	100	100	100
GL121-049-05	100	100	100	100	100	100
GL121-050-01	100	100	100	100	100	100
GL121-051-01	100	100	100	100	100	100
GL121-053-11	100	100	100	100	100	100
GL121-053-19	100	100	100	100	100	100
GL121-055-01	100	100	100	100	100	100
GL121-056-01	100	100	100	100	100	100
GL121-056-02	100	100	100	100	100	100
GL121-057-01	100	100	100	100	100	100
GL121-057-02	100	75	100	100	100	100
GL121-058-01	100	100	75	100	100	100
GL121-059-01	100	100	75	75	75	75
GL121-060-03	100	50	25	75		
GL121-061-01	100	100	100	100	100	100
GL121-061-02	100	100	100	100	100	100
GL121-061-04	100	100	100	100	100	100
GL121-061-05	100	100	100	100	100	100
GL121-062-01	100	100	100	100	25	100
GL121-062-02	100	100	100	100	75	100
GL121-063-01	100	100	50	100	100	100
GL121-064-02	100	100	100	100	100	100
GL121-065-01	100	100	50	100	100	100
GL121-066-01	100	100	100	100	25	100
GL121-067-03	100	100	100	100	100	100
GL121-068-12	100	100	100	100	100	100
GL121-068-23	100	100	100	100	100	100
GL121-069-01	0	25	0	25	0	25
GL121-071-02	100	100	100	100	100	100
GL121-071-04	100	100	100	100	50	100
GL121-071-07	75	100	100	100	100	100
GL121-072-01	100	100	100	100	100	100
GL121-073-11	75	100	100	100	100	100
GL121-075-01	100	100	100	100	50	100
GL121-076-01	100	100	100	100	100	100
GL121-076-08	100	100	100	100	100	100
GL121-077-01	100	75	100	100	100	100
GL121-078-01	100	100	100	100	50	100
GL121-079-01	100	100	100	100	100	100
GL121-079-02	100	100	100	100	75	100
GL121-080-01	100	100	100	100	100	100
GL121-080-03	100	100	100	100	100	100
GL121-080-04	100	100	100	100	100	100
GL121-080-05	100	100	100	100	100	100
GL121-081-01	100	100	100	100	100	100
GL121-081-17	100	100	100	100	100	100
GL121-081-18	100	100	100	100	100	100
GL121-082-01	100	100	100	100	100	100
GL121-082-02	100	100	100	100	100	100
GL121-082-04	100	100	100	100	100	100

GL121-082-05	100	100	100	100	100	100
GL121-083-01	100	75	100	100	75	100
GL121-084-01	100	100	100	100	100	100
GL121-084-02	100	100	100	100	100	100
GL121-085-01	50	50	50	100	75	100
GL121-085-03	100	100	100	100	100	100
GL121-086-01	100	100	100	100	100	100
GL121-087-03	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	96.5	90.8	92.8	95.0	86.1	96.0
% of Instruments 100% within limits	59.6	25.7	36.2	46.7	44.0	69.0
% of Instruments ≥95% within limits	86.5	52.4	69.5	74.3	61.0	85.0
% of Instruments ≥75% within limits	97.1	89.5	93.3	98.1	84.0	97.0
% of Instruments ≥65% within limits	97.1	96.2	97.1	98.1	84.0	97.0
% of Instruments ≥50% within limits	99.0	97.1	97.1	99.0	90.0	98.0

Percentage of Results Within Limits						
Instrument	Micronaire	Strength	Length	Uniformity	Color Rd	Color +b
GL121-001-01	100	94	97	100	100	100
GL121-001-02	98	95	98	100	100	100
GL121-001-03	100	88	99	100	100	100
GL121-003-01	99	98	100	98	100	100
GL121-004-01	100	100	100	100	100	100
GL121-004-02	100	100	100	100	100	100
GL121-007-01	97	97	72	90	0	50
GL121-008-01	98	72	83	83	0	3
GL121-009-01	88	100	97	100	96	100
GL121-010-01	100	81	93	98	14	97
GL121-011-01		48	87	79		
GL121-012-16	99	94	100	100	100	100
GL121-012-19	100	98	100	98	100	99
GL121-013-01	100	88	78	86	93	100
GL121-013-02	99	78	83	79	75	96
GL121-013-03	78	74	78	83	78	99
GL121-013-04	89	67	91	93	80	100
GL121-014-01	96	93	98	99	100	100
GL121-015-01	100	95	93	93	98	100
GL121-017-01	100	63	96	93	95	94
GL121-017-02	100	92	100	96	92	100
GL121-017-03	100	100	100	100	100	100
GL121-018-01	63	96	99	98	100	92
GL121-019-01	99	75	86	88	100	87
GL121-020-01	100	96	98	97	100	100
GL121-021-01	100	97	100	100	78	100
GL121-023-01	100	96	88	80	88	100
GL121-024-01	86	83	78	83	7	93
GL121-029-01	100	75	100	100	100	99
GL121-031-01	100	88	99	100	92	99
GL121-032-01	96	88	28	53	58	100
GL121-034-01	100	98	98	99	99	100
GL121-038-01	100	78	100	99	99	100
GL121-039-02	94	100	89	100	93	92
GL121-039-06	92	99	91	99	96	93
GL121-040-21	100	98	100	97	7	100

GL121-040-40	100	98	100	93	52	100
GL121-042-01	100	96	98	100	100	100
GL121-044-01	100	89	91	98	98	100
GL121-046-01	97	94	97	100	98	100
GL121-047-01	98	85	92	90		
GL121-047-02	84	92	97	97		
GL121-047-03	56	90	100	100		
GL121-048-01	97	87	93	75	94	96
GL121-048-03	99	88	95	89	97	99
GL121-049-01	100	100	100	99	99	100
GL121-049-02	100	100	100	100	100	100
GL121-049-04	100	100	100	100	93	100
GL121-049-05	100	100	100	100	97	100
GL121-050-01	100	91	100	100	100	100
GL121-051-01	100	91	99	97	99	100
GL121-053-11	100	99	99	99	100	100
GL121-053-19	100	92	84	96	98	100
GL121-055-01	100	98	98	100	92	100
GL121-056-01	99	98	100	100	100	100
GL121-056-02	100	74	100	100	100	100
GL121-057-01	99	94	100	100	100	100
GL121-057-02	99	74	100	100	100	98
GL121-058-01	98	93	73	92	100	100
GL121-059-01	100	100	82	78	60	81
GL121-060-03	100	48	37	77		
GL121-061-01	100	100	98	100	100	100
GL121-061-02	100	100	98	100	100	100
GL121-061-04	100	100	99	100	98	100
GL121-061-05	99	100	98	100	100	100
GL121-062-01	98	93	93	94	28	99
GL121-062-02	100	98	96	98	48	100
GL121-063-01	100	98	70	96	94	100
GL121-064-02	99	91	98	100	93	100
GL121-065-01	100	96	65	98	93	100
GL121-066-01	100	100	99	96	28	98
GL121-067-03	100	99	100	100	100	100
GL121-068-12	100	100	100	100	100	100
GL121-068-23	100	100	100	100	100	100
GL121-069-01	9	23	6	26	6	28
GL121-071-02	100	100	97	91	92	100
GL121-071-04	97	91	90	100	48	100
GL121-071-07	98	88	87	100	85	97
GL121-072-01	100	100	100	99	86	100
GL121-073-11	77	89	84	94	78	84
GL121-075-01	100	96	98	100	59	99
GL121-076-01	100	89	100	100	100	100
GL121-076-08	100	95	100	100	100	100
GL121-077-01	100	70	99	94	94	100
GL121-078-01	100	96	98	97	53	99
GL121-079-01	99	98	98	93	99	100
GL121-079-02	98	98	99	99	59	84
GL121-080-01	100	100	100	100	100	100
GL121-080-03	100	100	100	100	100	100
GL121-080-04	99	100	100	100	100	100
GL121-080-05	100	100	100	100	91	100
GL121-081-01	99	93	95	95	100	95
GL121-081-17	99	93	95	95	100	95
GL121-081-18	100	97	100	100	100	100
GL121-082-01	100	100	100	100	100	100
GL121-082-02	98	100	100	100	100	100

GL121-082-04	100	100	100	100	100	100
GL121-082-05	100	100	100	100	100	100
GL121-083-01	100	68	98	100	83	84
GL121-084-01	100	93	88	95	100	83
GL121-084-02	100	87	83	95	96	100
GL121-085-01	88	86	90	88	84	93
GL121-085-03	93	81	98	98	100	100
GL121-086-01	92	81	100	100	99	100
GL121-087-03	100	98	99	100	100	100