



International Cotton Advisory Committee



CSITC

Global - Round Trial 2017 - 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.



* Faserinstitut Bremen are a Cooperation Partner with ICA Bremen

Global - Round Trial 2017 - 1

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

Micronaire							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			5.484	4.357	4.874	4.743	
Reference Values for Evaluation			5.484	4.357	4.874	4.743	
Number Of Instruments			115	115	115	115	115
Inter-Instrument Variation	based on 30 tests	SD	0.040	0.058	0.052	0.052	0.050
		CV %	0.7	1.3	1.1	1.1	1.1
		SD	0.050	0.060	0.057	0.057	0.056
	based on 6 tests	CV %	0.9	1.4	1.2	1.2	1.2
		SD	0.062	0.068	0.065	0.066	0.065
		CV %	1.1	1.6	1.3	1.4	1.4
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.024	0.022	0.024	0.025	0.024
		CV %	0.4	0.5	0.5	0.5	0.5
	between single tests on one day	SD	0.032	0.036	0.031	0.033	0.033
		CV %	0.6	0.8	0.6	0.7	0.7
	between all tests on different days	SD	0.041	0.044	0.042	0.042	0.042
		CV %	0.7	1.0	0.9	0.9	0.9

Strength							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			27.941	27.421	25.852	30.953	
Reference Values for Evaluation			27.941	27.421	25.852	30.953	
Number Of Instruments			115	115	115	115	115
Inter-Instrument Variation	based on 30 tests	SD	0.576	0.550	0.761	0.635	0.631
		CV %	2.1	2.0	2.9	2.1	2.3
		SD	0.830	0.675	0.867	0.767	0.785
	based on 6 tests	CV %	3.0	2.5	3.4	2.5	2.8
		SD	0.966	0.824	0.973	0.938	0.926
		CV %	3.5	3.0	3.8	3.0	3.3
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.293	0.380	0.327	0.372	0.343
		CV %	1.0	1.4	1.3	1.2	1.2
	between single tests on one day	SD	0.495	0.470	0.456	0.497	0.480
		CV %	1.8	1.7	1.8	1.6	1.7
	between all tests on different days	SD	0.569	0.591	0.561	0.620	0.585
		CV %	2.0	2.2	2.2	2.0	2.1

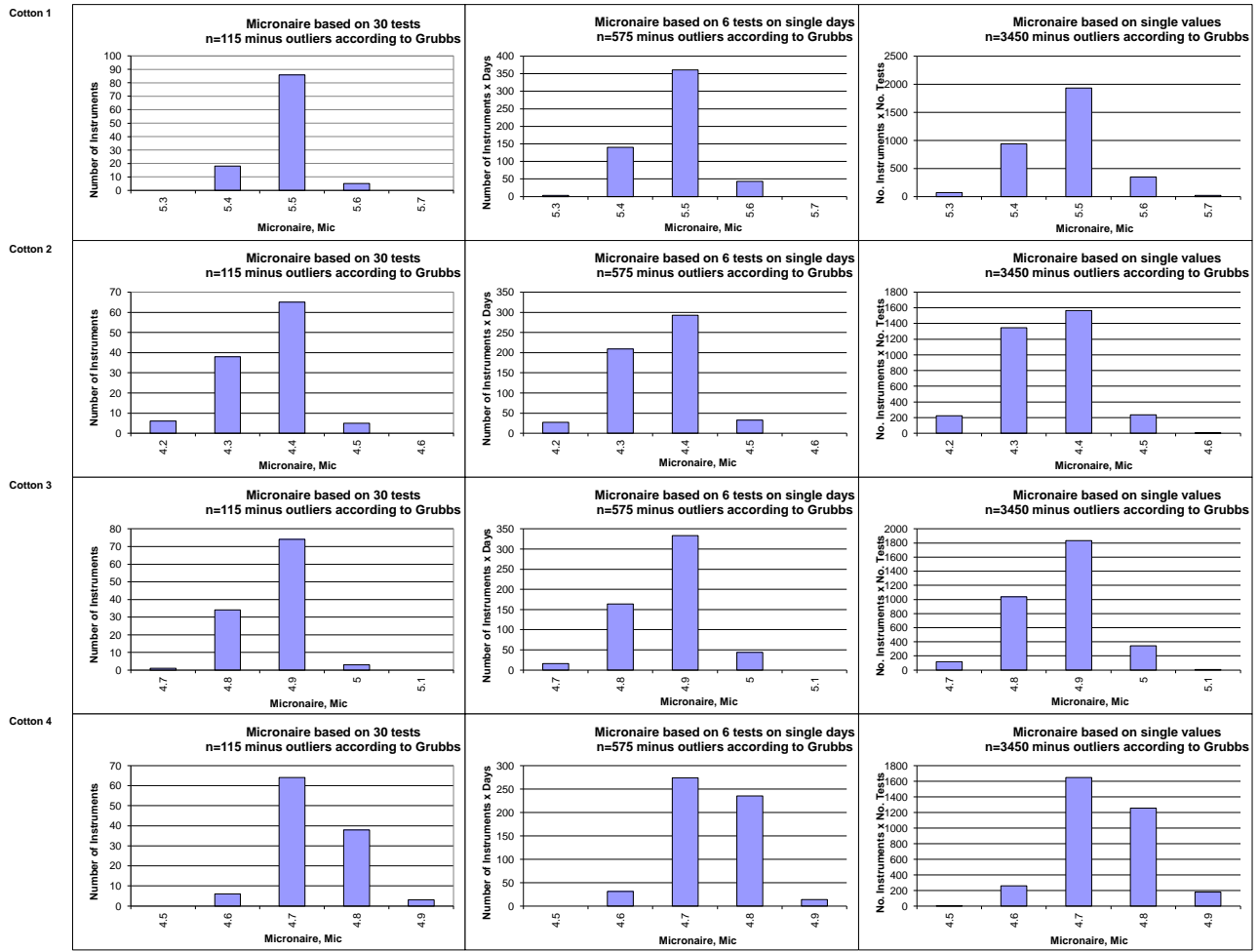
Length							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			1.0337	1.0919	1.0160	1.1644	
Reference Values for Evaluation			1.0337	1.0919	1.0160	1.1644	
Number Of Instruments			116	116	116	116	116
Inter-Instrument Variation	based on 30 tests	SD	0.0079	0.0115	0.0099	0.0097	0.0097
		CV %	0.8	1.1	1.0	0.8	0.9
		SD	0.0097	0.0125	0.0122	0.0114	0.0114
	based on 6 tests	CV %	0.9	1.1	1.2	1.0	1.1
		SD	0.0136	0.0149	0.0149	0.0150	0.0146
		CV %	1.3	1.4	1.5	1.3	1.4
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.0053	0.0058	0.0057	0.0049	0.0054
		CV %	0.5	0.5	0.6	0.4	0.5
	between single tests on one day	SD	0.0093	0.0090	0.0084	0.0093	0.0090
		CV %	0.9	0.8	0.8	0.8	0.8
	between all tests on different days	SD	0.0105	0.0102	0.0102	0.0107	0.0104
		CV %	1.0	0.9	1.0	0.9	1.0

Uniformity							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			80.662	81.378	81.160	82.993	
Reference Values for Evaluation			80.662	81.378	81.160	82.993	
Number Of Instruments			115	115	115	115	115
Inter-Instrument Variation	based on 30 tests	SD	0.415	0.386	0.671	0.449	0.480
		CV %	0.5	0.5	0.8	0.5	0.6
	based on 6 tests	SD	0.498	0.492	0.722	0.532	0.561
		CV %	0.6	0.6	0.9	0.6	0.7
	based on single tests	SD	0.691	0.708	0.869	0.715	0.746
		CV %	0.9	0.9	1.1	0.9	0.9
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.248	0.287	0.267	0.273	0.269
		CV %	0.3	0.4	0.3	0.3	0.3
	between single tests on one day	SD	0.483	0.474	0.504	0.480	0.485
		CV %	0.6	0.6	0.6	0.6	0.6
	between all tests on different days	SD	0.535	0.538	0.562	0.555	0.548
		CV %	0.7	0.7	0.7	0.7	0.7

Color Rd							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			78.440	78.273	72.854	78.965	
Reference Values for Evaluation			78.440	78.273	72.854	78.965	
Number Of Instruments			113	113	113	113	113
Inter-Instrument Variation	based on 30 tests	SD	0.436	0.477	0.622	0.490	0.506
		CV %	0.6	0.6	0.9	0.6	0.7
	based on 6 tests	SD	0.475	0.514	0.660	0.528	0.544
		CV %	0.6	0.7	0.9	0.7	0.7
	based on single tests	SD	0.545	0.560	0.710	0.587	0.600
		CV %	0.7	0.7	1.0	0.7	0.8
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.143	0.154	0.172	0.144	0.153
		CV %	0.2	0.2	0.2	0.2	0.2
	between single tests on one day	SD	0.164	0.137	0.168	0.181	0.162
		CV %	0.2	0.2	0.2	0.2	0.2
	between all tests on different days	SD	0.224	0.217	0.239	0.244	0.231
		CV %	0.3	0.3	0.3	0.3	0.3

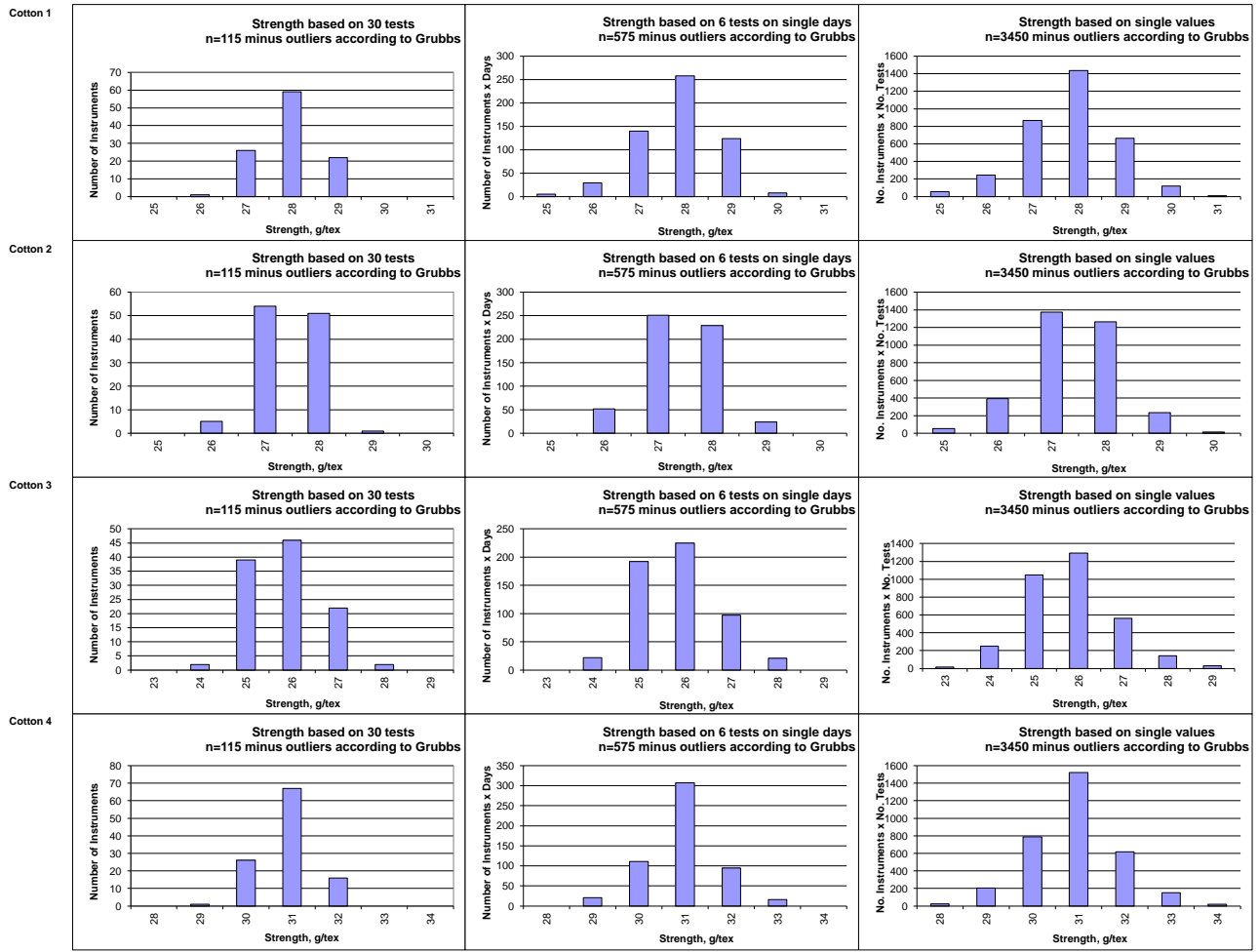
Color +b							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			9.376	12.259	15.369	9.949	
Reference Values for Evaluation			9.376	12.259	15.369	9.949	
Number Of Instruments			113	113	113	113	113
Inter-Instrument Variation	based on 30 tests	SD	0.196	0.412	0.296	0.234	0.285
		CV %	2.1	3.4	1.9	2.4	2.4
	based on 6 tests	SD	0.233	0.416	0.281	0.246	0.294
		CV %	2.5	3.4	1.8	2.5	2.5
	based on single tests	SD	0.258	0.446	0.309	0.282	0.324
		CV %	2.8	3.6	2.0	2.8	2.8
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.083	0.094	0.103	0.095	0.094
		CV %	0.9	0.8	0.7	1.0	0.8
	between single tests on one day	SD	0.079	0.099	0.096	0.086	0.090
		CV %	0.8	0.8	0.6	0.9	0.8
	between all tests on different days	SD	0.124	0.155	0.163	0.135	0.144
		CV %	1.3	1.3	1.1	1.4	1.2

Test Result Distributions
Micronaire



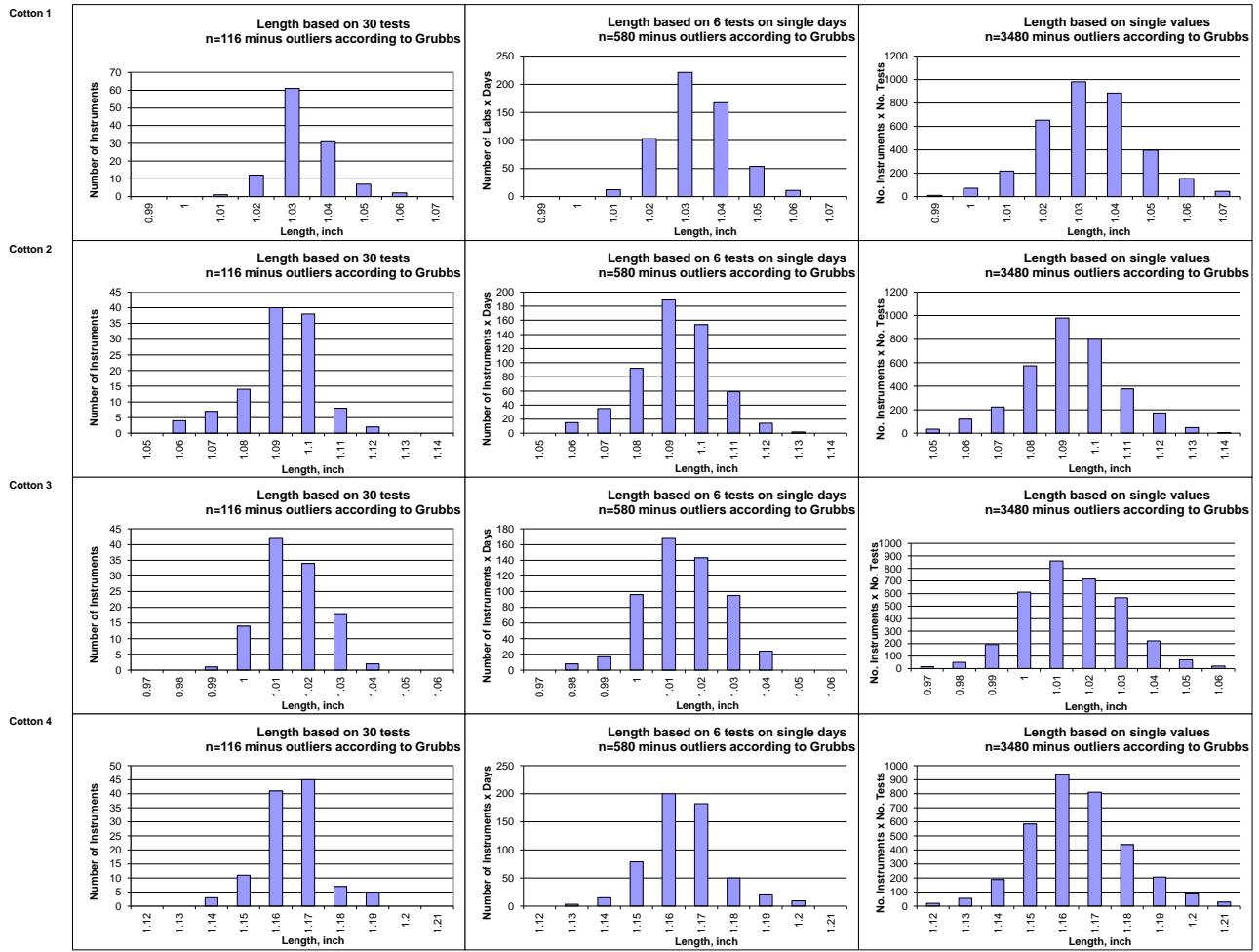
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method.)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Strength



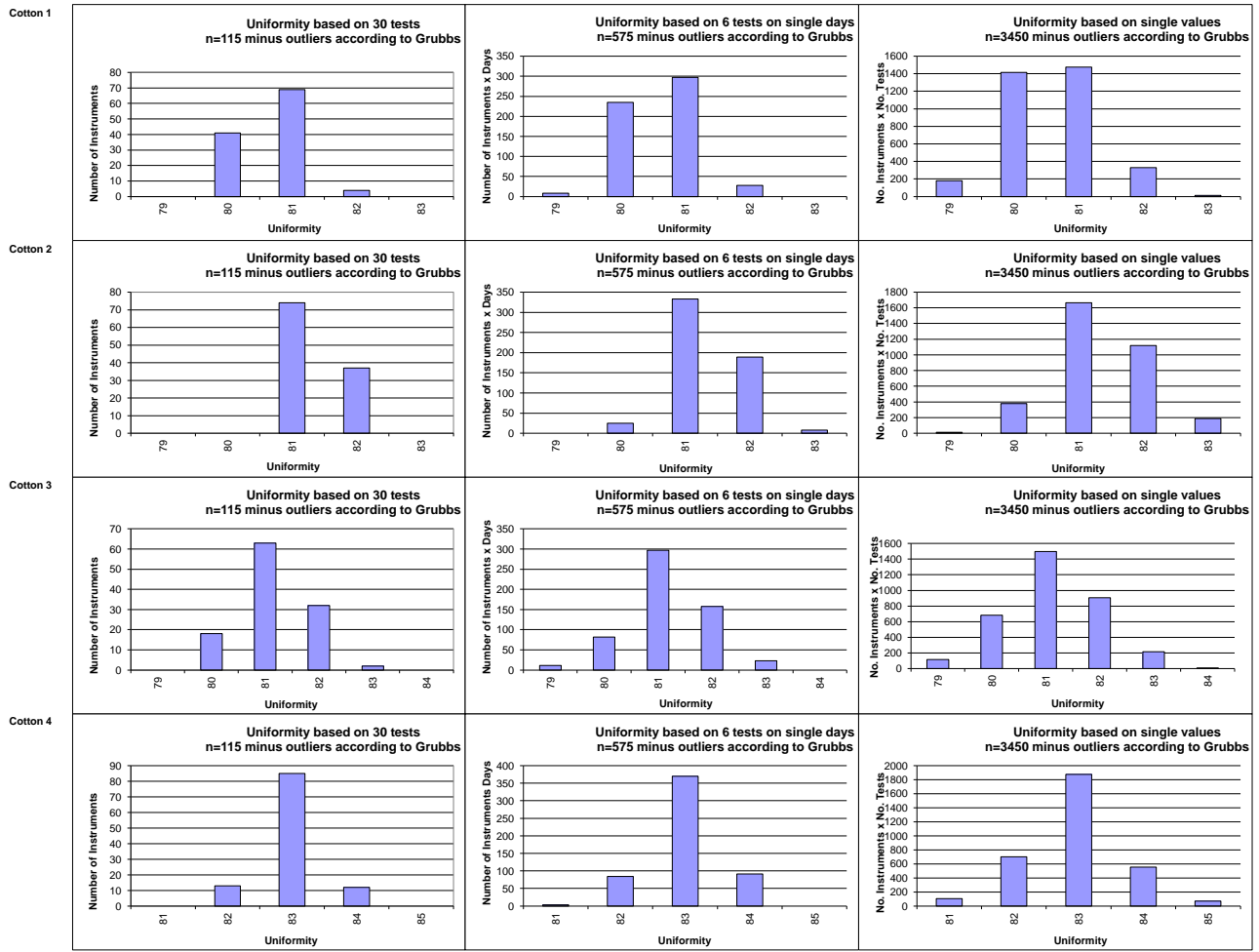
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method) (classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Length



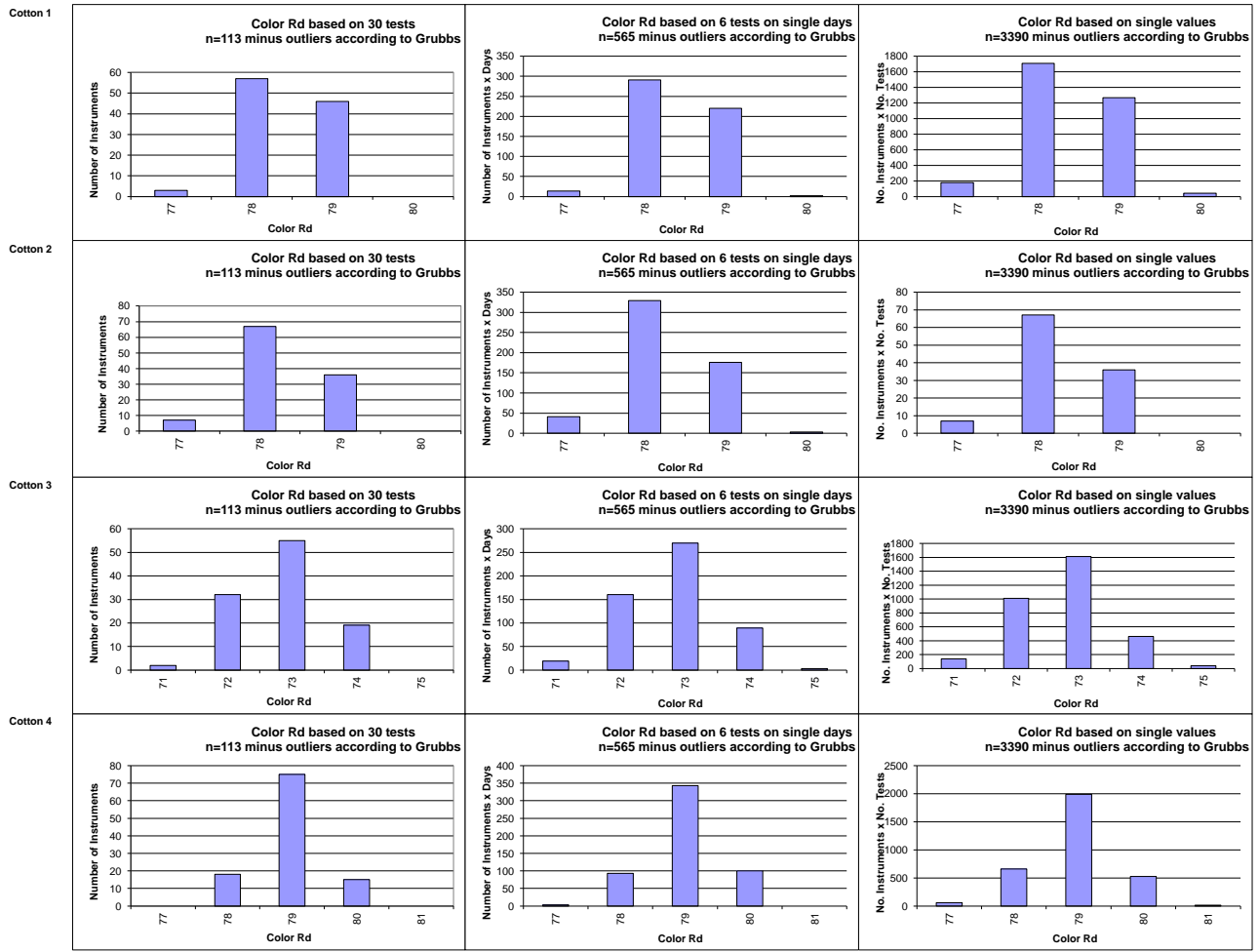
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method) (classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Uniformity



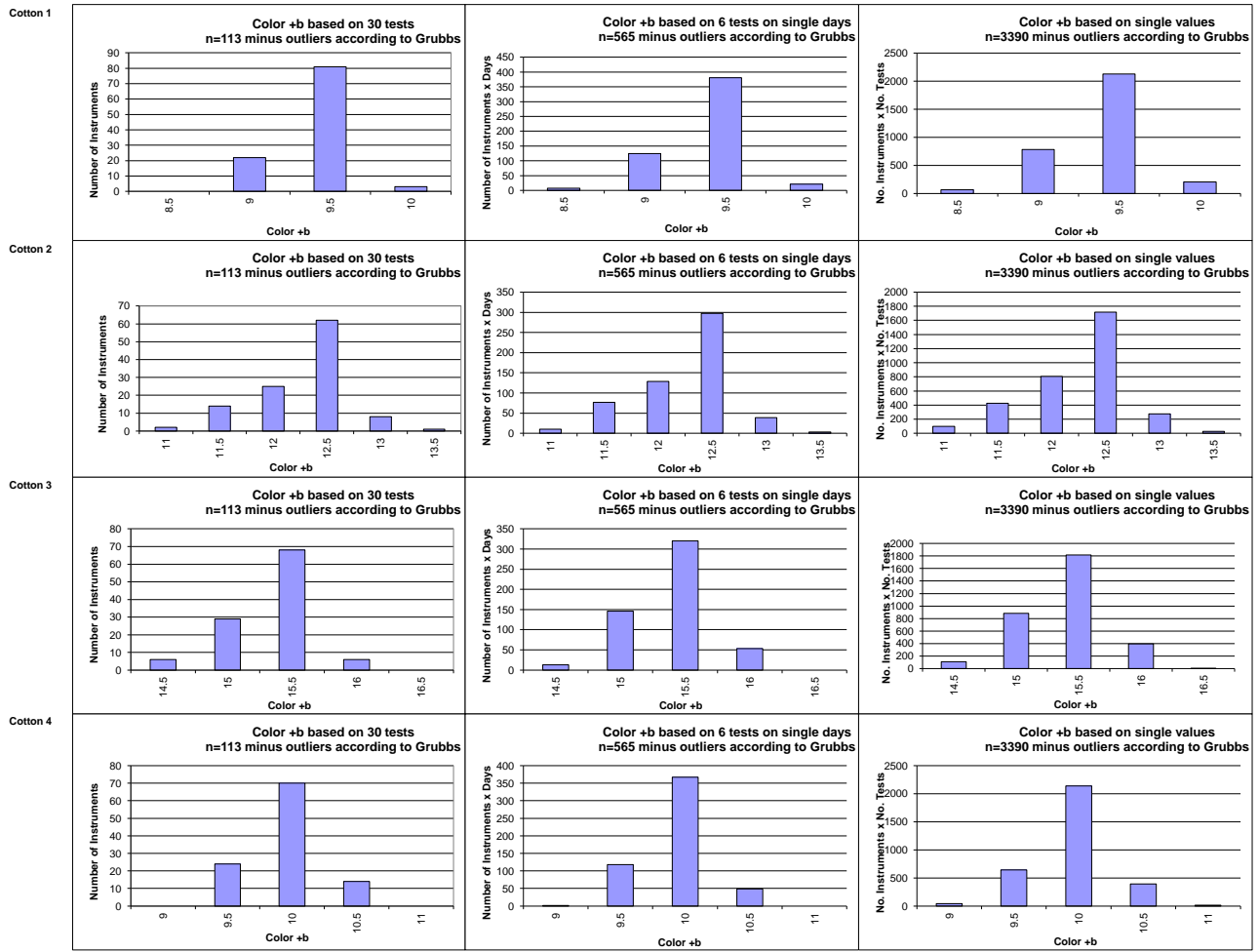
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Color Rd



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

Optional Parameters

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

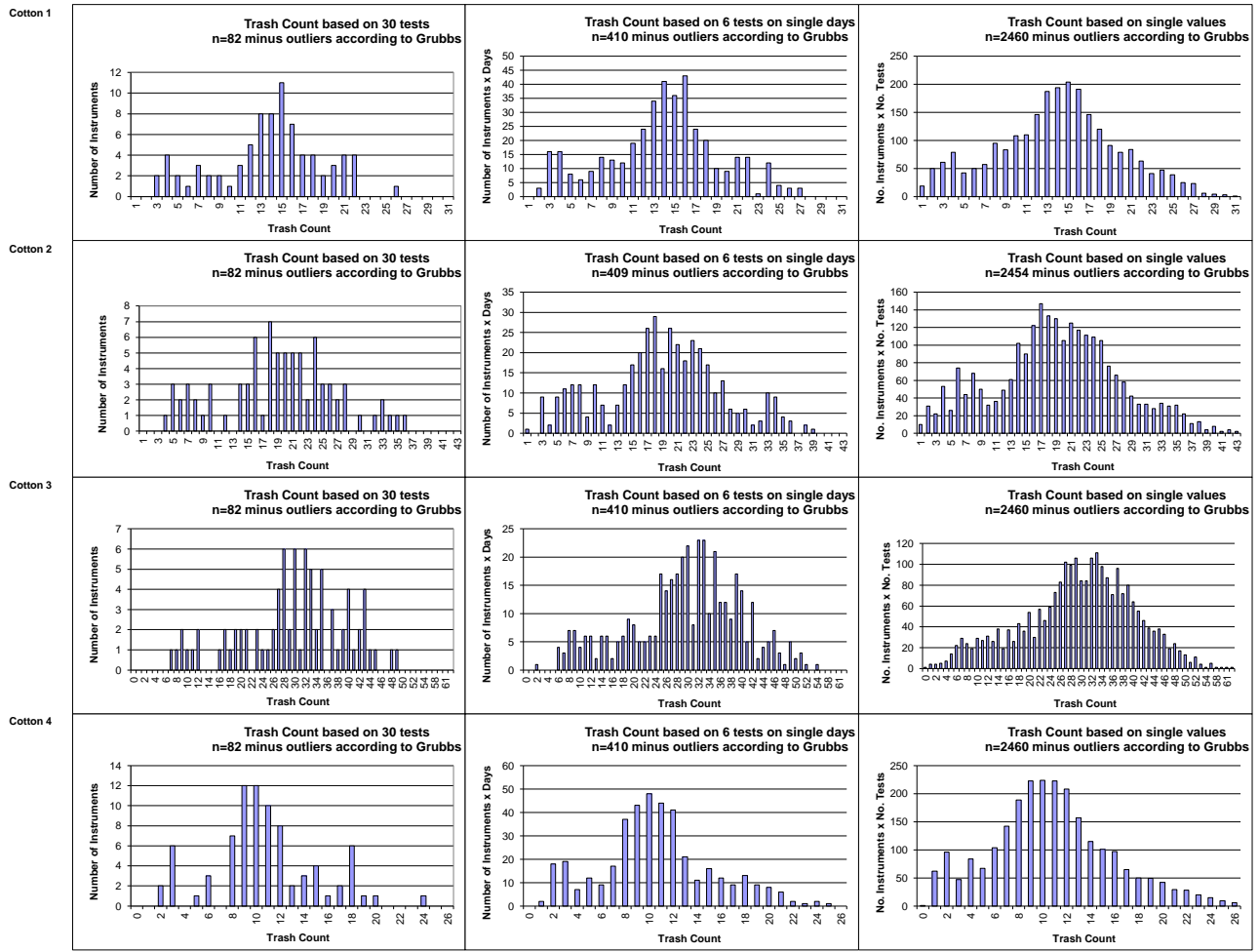
Trash Count							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			13.95	19.15	29.60	10.82	
Reference Values for Evaluation			13.95	19.15	29.60	10.82	
Number Of Instruments			82	82	82	82	82
Inter-Instrument Variation	based on 30 tests	SD	5.15	7.64	9.97	4.44	6.80
		CV %	36.9	39.9	33.7	41.1	37.9
		SD	5.52	7.93	10.40	4.72	7.14
	based on 6 tests	CV %	39.6	41.4	35.1	43.6	39.9
		SD	5.89	8.29	10.75	5.08	7.50
		CV %	42.2	43.3	36.3	46.9	42.2
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	1.57	1.71	2.45	1.53	1.82
		CV %	11.3	8.9	8.3	14.2	10.7
	between single tests on one day	SD	1.73	1.88	2.57	1.72	1.98
		CV %	12.4	9.8	8.7	15.9	11.7
	between all tests on different days	SD	2.61	2.70	3.68	2.46	2.86
		CV %	18.7	14.1	12.4	22.7	17.0

Trash Area							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			0.121	0.157	0.288	0.114	
Reference Values for Evaluation			0.121	0.157	0.288	0.114	
Number Of Instruments			82	82	82	82	82
Inter-Instrument Variation	based on 30 tests	SD	0.030	0.048	0.081	0.038	0.049
		CV %	25.1	30.3	28.2	33.2	29.2
		SD	0.035	0.051	0.094	0.040	0.055
	based on 6 tests	CV %	29.1	32.4	32.5	34.7	32.2
		SD	0.041	0.056	0.099	0.044	0.060
		CV %	34.1	35.6	34.3	38.4	35.6
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.017	0.018	0.030	0.015	0.020
		CV %	13.8	11.7	10.4	13.2	12.3
	between single tests on one day	SD	0.018	0.020	0.031	0.020	0.022
		CV %	15.0	12.9	10.7	17.9	14.1
	between all tests on different days	SD	0.028	0.029	0.045	0.030	0.033
		CV %	23.0	18.3	15.6	26.5	20.9

Maturity							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			88.42	85.22	86.69	87.14	
Reference Values for Evaluation			88.42	85.22	86.69	87.14	
Number Of Instruments			81	81	81	81	81
Inter-Instrument Variation	based on 30 tests	SD	1.53	1.64	0.93	1.60	1.42
		CV %	1.7	1.9	1.1	1.8	1.6
		SD	1.48	1.60	0.96	1.62	1.42
	based on 6 tests	CV %	1.7	1.9	1.1	1.9	1.6
		SD	1.54	1.64	1.21	1.64	1.50
		CV %	1.7	1.9	1.4	1.9	1.7
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.18	0.19	0.22	0.20	0.20
		CV %	0.2	0.2	0.3	0.2	0.2
	between single tests on one day	SD	0.27	0.27	0.27	0.29	0.28
		CV %	0.3	0.3	0.3	0.3	0.3
	between all tests on different days	SD	0.41	0.43	0.45	0.45	0.43
		CV %	0.5	0.5	0.5	0.5	0.5

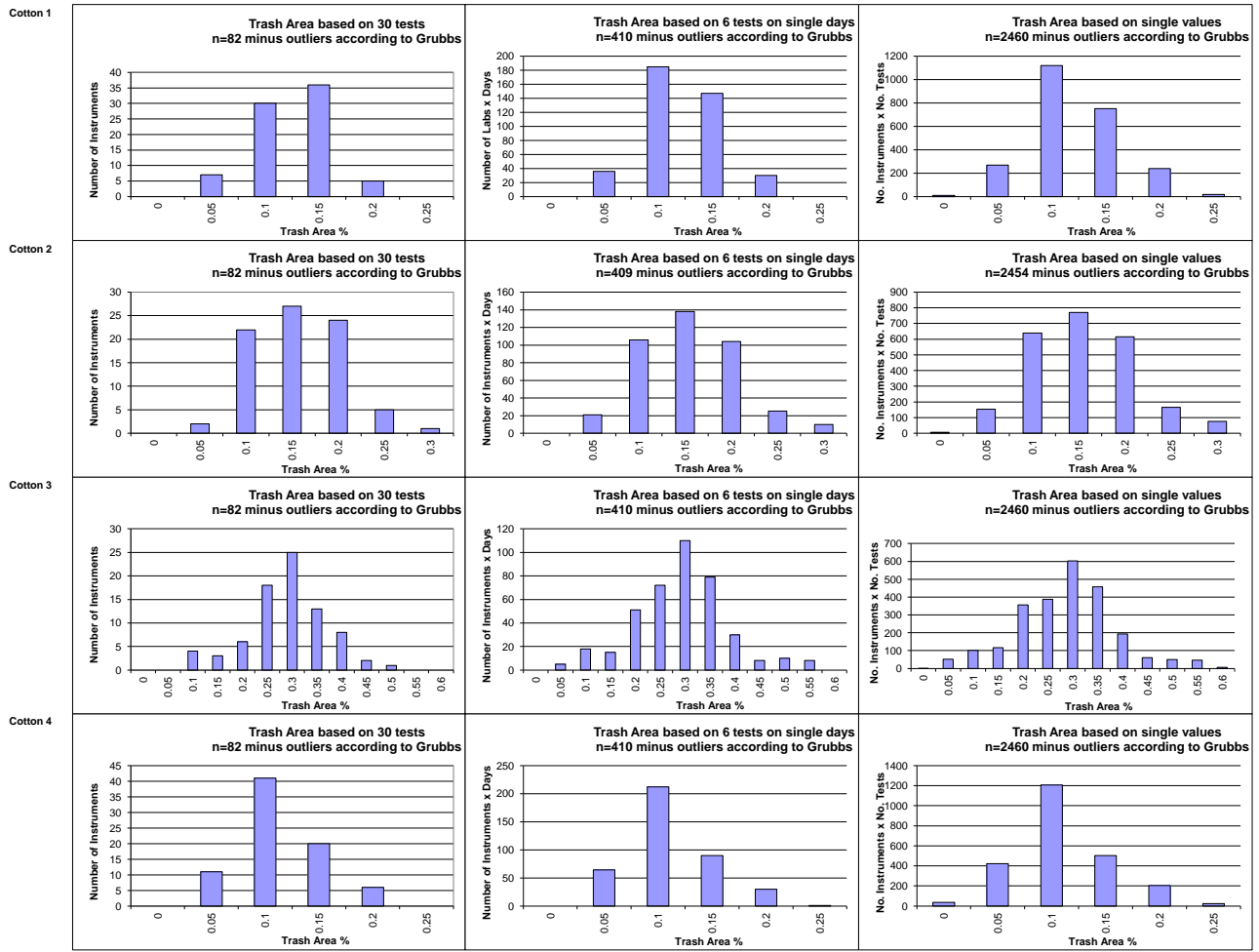
SFI							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			10.90	10.00	10.26	8.33	
Reference Values for Evaluation			10.90	10.00	10.26	8.33	
Number Of Instruments			94	94	94	94	94
Inter-Instrument Variation	based on 30 tests	SD	0.83	1.17	1.12	1.01	1.03
		CV %	7.6	11.7	10.9	12.1	10.6
	based on 6 tests	SD	0.91	1.17	1.20	0.93	1.05
		CV %	8.4	11.7	11.7	11.1	10.7
	based on single tests	SD	1.16	1.27	1.35	1.05	1.21
		CV %	10.7	12.7	13.2	12.6	12.3
Typical within-instrument Variation (Median)	between different days	SD	0.32	0.32	0.33	0.21	0.29
		CV %	3.0	3.2	3.2	2.5	3.0
	between single tests on one day	SD	0.58	0.48	0.53	0.38	0.49
		CV %	5.3	4.8	5.2	4.5	5.0
	between all tests on different days	SD	0.67	0.58	0.64	0.42	0.58
		CV %	6.1	5.8	6.2	5.1	5.8

Test Result Distributions
Trash Count



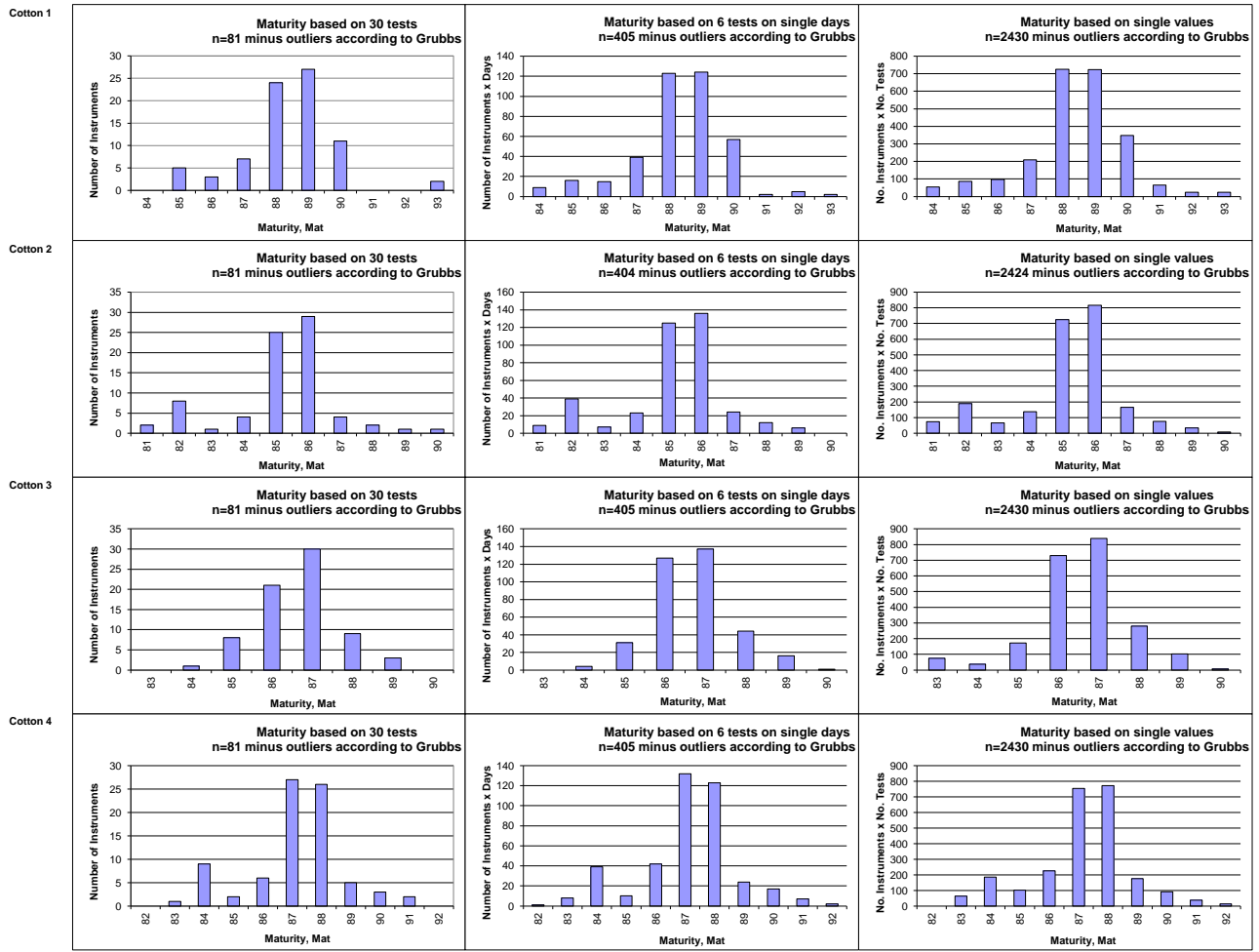
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Trash Area



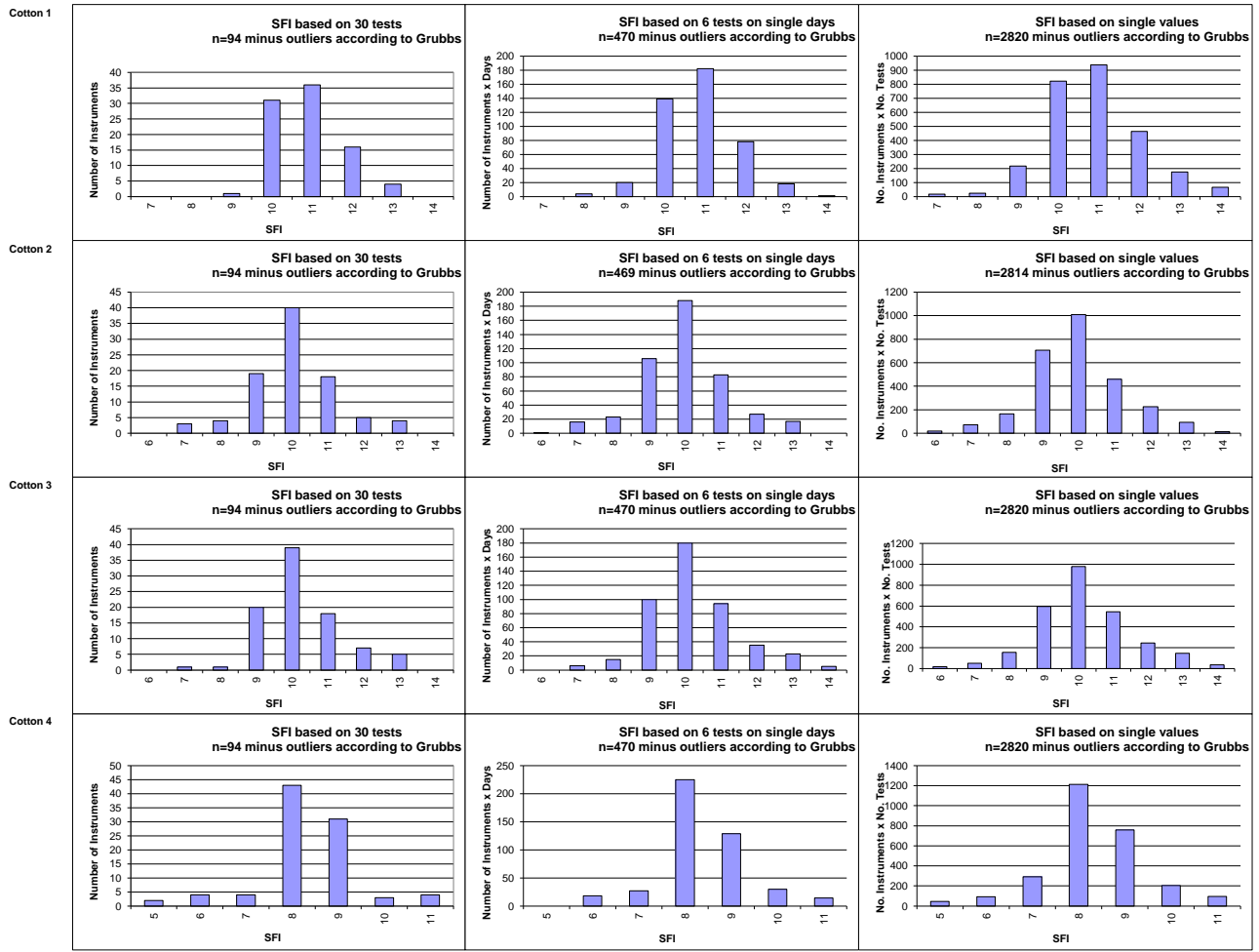
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method) (classes are defined as > lower limit and <= upper limit)

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 2017 - 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

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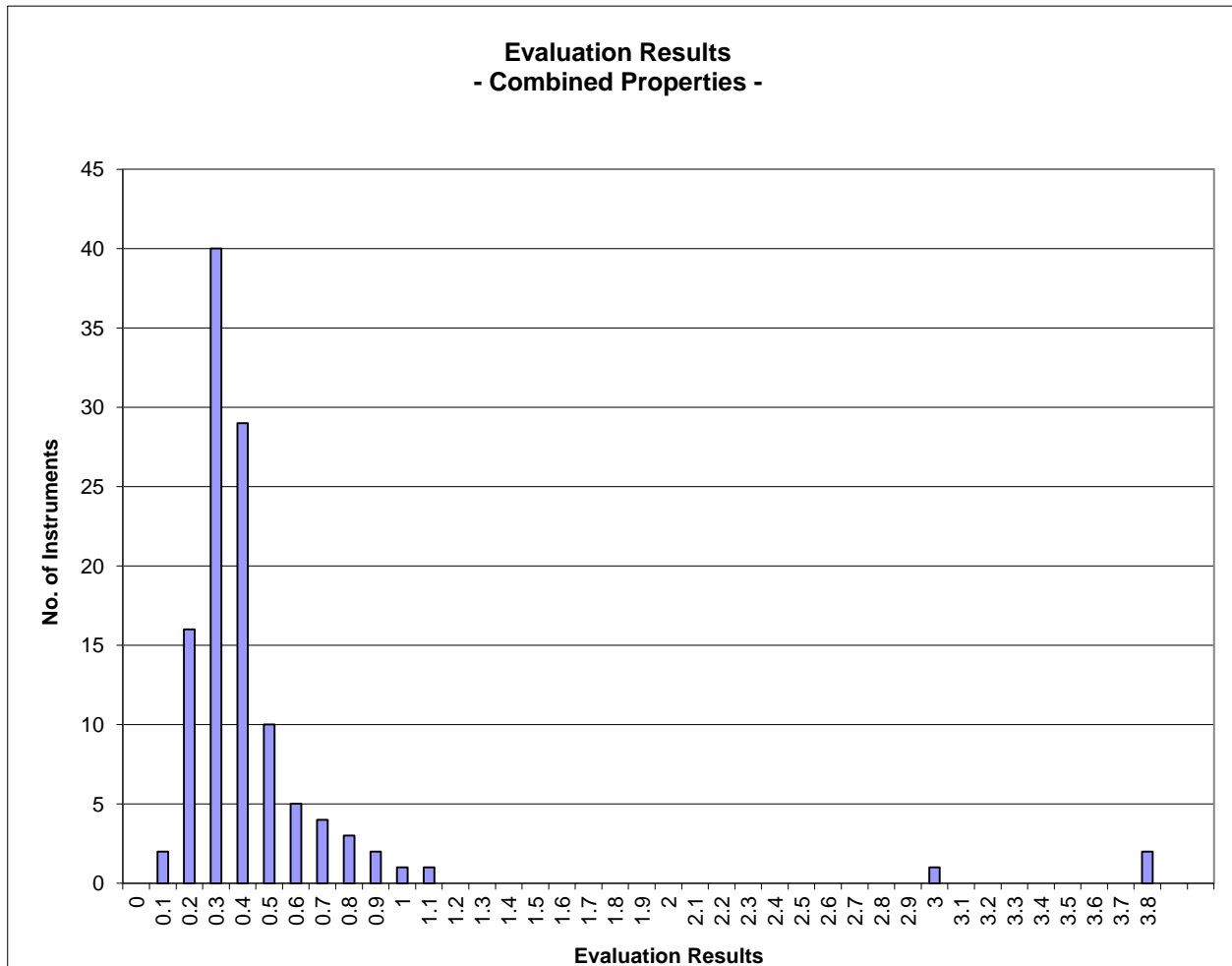
Instrument Evaluation

- Graph of Combined Properties -

According to ICAC CSITC Task Force Recommendations

Global - Round Trial 2017 - 1

		Evaluation Combined Prop.
Statistics	Average	0.47
	Median	0.35
	Best Instrument	0.14
	Worst Instrument	3.79

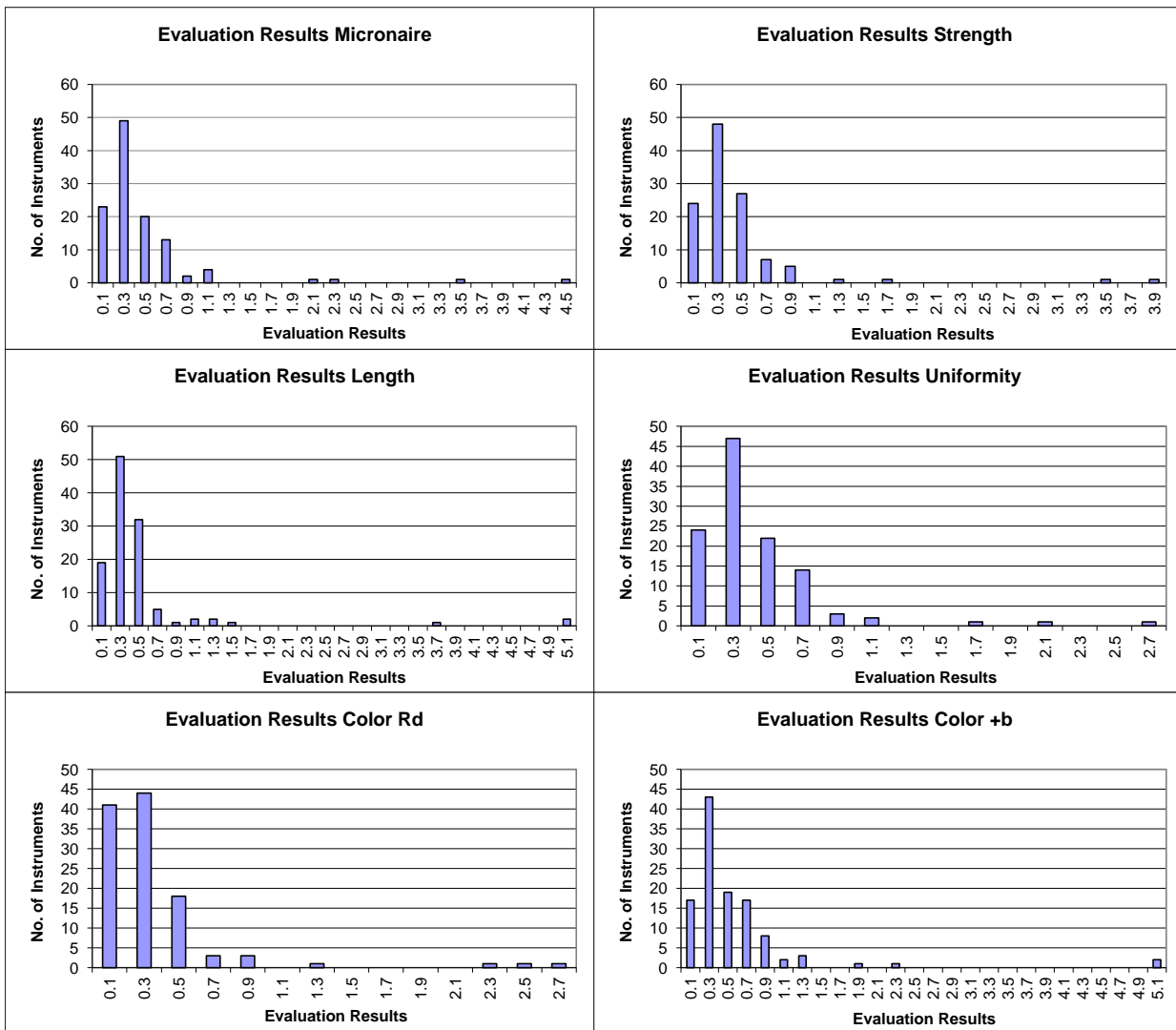


x-Axis shows midpoints of classes

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 2017 - 1

	Evaluation Micronaire	Evaluation Strength	Evaluation Length	Evaluation Uniformity	Evaluation Color Rd	Evaluation Color +b
Statistics	Average	0.48	0.44	0.50	0.42	0.36
	Median	0.35	0.37	0.35	0.32	0.27
	Best Instr.	0.06	0.05	0.09	0.05	0.04
	Worst Instr.	4.49	3.93	5.19	2.68	2.62



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



International Cotton Advisory Committee



CSITC
Global - Round Trial 2017 - 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	0.5
	units	g/tex	inch	%	units	units
Average % Results within Limits	97.6	95.7	97.0	98.5	95.4	87.8
Completely within limits	96.5	92.2	94.8	96.5	92.0	69.9
% of Instruments $\geq 75\%$ within limits	96.5	96.5	96.6	97.4	94.7	90.3
% of Instruments $\geq 50\%$ within limits	97.4	96.5	97.4	100.0	96.5	94.7

Percentage of Results Within Limits						
Instrument	Micronaire	Strength	Length	Uniformity	Color Rd	Color +b
GL171-001-01	100	100	100	100	100	75
GL171-002-01	100	100	100	100	100	100
GL171-003-01	100	100	100	100	100	100
GL171-004-53	100	100	100	100	100	100
GL171-004-62	100	100	100	100	100	100
GL171-008-01	100	100	100	100	100	100
GL171-011-15	100	100	100	100	100	100
GL171-011-20	100	100	100	100	100	100
GL171-012-01	100	100	100	100	100	100
GL171-013-01	100	100	100	50	100	100
GL171-014-01	100	100	100	100	100	100
GL171-016-01	100	100	100	100	100	100
GL171-017-04	100	100	100	100	100	50
GL171-017-05	100	100	100	100	100	100
GL171-018-01	100	100	100	100	100	100
GL171-018-04	100	100	100	100	100	100
GL171-018-05	100	100	100	100	100	100
GL171-019-01	100	100	100	100	75	100
GL171-019-02	100	100	100	100	100	75
GL171-020-04	100	100	100	100	100	100
GL171-021-04	100	100	100	75	100	75
GL171-022-02	100	100	100	100	100	100
GL171-023-01	100	100	100	100	100	100
GL171-024-30	100	100	100	100	100	100
GL171-025-31	100	100	100	100	100	100
GL171-025-33	100	100	100	100	100	100
GL171-026-01	100	100	100	100	100	100
GL171-028-01	100	100	100	100	100	100
GL171-029-01	100	25	100	100	0	100
GL171-030-01	100	100	100	100	100	100
GL171-030-02	100	100	100	100	100	100
GL171-031-14	100	100	100	100	100	100
GL171-032-14		100	100	100		
GL171-033-01	100	100	100	100	100	100

GL171-033-06	100	100	100	100	100	100
GL171-033-07	100	100	100	100	100	100
GL171-034-02	100	75	100	100		
GL171-034-03	100	100	100	100	100	100
GL171-036-26	100	100	100	100	100	100
GL171-036-34	100	100	100	100	100	100
GL171-037-01	100	100	100	100	100	75
GL171-038-03	100	100	100	100	100	100
GL171-039-01	100	100	100	100	100	100
GL171-041-01	100	100	100	100	100	100
GL171-042-03	100	75	75	100	100	100
GL171-043-01	100	100	100	100	100	100
GL171-045-01	100	100	100	100	100	100
GL171-046-01	100	100	100	100	100	100
GL171-046-02	100	100	100	100	100	100
GL171-046-03	100	100	100	100	100	100
GL171-047-01	100	0	100	100	50	100
GL171-048-01	100	100	100	100	100	100
GL171-049-01	100	100	100	100	100	100
GL171-050-06	100	100	100	100	100	75
GL171-051-01	100	100	100	100	100	100
GL171-051-02	100	100	100	100	100	100
GL171-052-01	100	100	100	100	100	100
GL171-053-01	100	100	100	100	100	100
GL171-055-02	100	100	100	100	100	100
GL171-055-03	100	100	50	100	100	75
GL171-055-06	100	100	100	100	75	50
GL171-055-07	100	100	100	100	100	100
GL171-055-08	100	100	100	100	100	100
GL171-057-02	100	100	100	100	100	100
GL171-058-03	100	100	100	100	100	100
GL171-058-06	100	100	100	100	100	100
GL171-060-01	100	100	100	100	100	75
GL171-061-01	100	100	100	100	100	75
GL171-062-01	100	100	100	100	100	75
GL171-063-03	100	100	100	100	100	100
GL171-064-01	100	100	100	100	100	100
GL171-064-03	100	100	100	100	100	100
GL171-065-02	100	100	100	100	100	75
GL171-066-01	100	100	100	100	100	100
GL171-066-02	100	100	100	100	100	100
GL171-068-01	100	75	75	100	50	75
GL171-069-01	100	100	100	100	100	100
GL171-069-02	100	100	100	100	100	100
GL171-071-01	100	100	100	100	100	75
GL171-072-01	100	100	100	100	100	75
GL171-073-34	100	100	100	100	100	100
GL171-073-36	100	100	100	100	100	100
GL171-074-03	100	100	100	100	100	50
GL171-074-04	100	100	100	100	100	75
GL171-074-05	100	100	100	100	100	50
GL171-075-01	100	100	100	100	100	100
GL171-075-02	100	100	100	100	100	100
GL171-077-01	100	100	100	100	100	75
GL171-077-02	100	75	100	100	75	50

GL171-078-05	50		0			
GL171-080-01	100	100	100	100	100	100
GL171-080-02	100	100	100	100	100	100
GL171-081-01	100	100	100	100	100	100
GL171-082-01	25	100	100	100	100	0
GL171-082-02	100	100	100	100	100	0
GL171-082-03	100	100	100	100	100	25
GL171-083-01	25	0	25	50	25	0
GL171-083-02	100	100	100	100	100	75
GL171-083-03	100	100	100	100	100	100
GL171-083-04	100	75	100	100	100	100
GL171-084-01	100	100	100	100	100	100
GL171-086-01	25	0	25	50	0	0
GL171-087-01	100	100	100	100	25	75
GL171-088-21	100	100	100	100	100	100
GL171-088-25	100	100	100	100	100	100
GL171-089-04	100	100	100	100	100	100
GL171-091-01	100	100	100	100	100	75
GL171-093-01	100	100	100	100	100	100
GL171-094-01	100	100	100	100	100	75
GL171-095-03	100	100	100	100	100	100
GL171-096-01	100	100	100	100	100	75
GL171-096-02	100	100	100	100	100	75
GL171-096-04	100	100	100	100	100	75
GL171-097-01	100	100	100	100	100	100
GL171-098-01	100	100	100	100	100	75
GL171-098-02	100	100	100	100	100	25

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	0.5
	units	g/tex	inch	%	units	units
Average % Results within Limits	96.9	93.1	93.8	96.8	93.8	83.7
% of Instruments 100% within limits	67.8	34.8	46.6	53.0	61.1	26.5
% of Instruments ≥95% within limits	93.0	75.7	75.9	85.2	77.0	51.3
% of Instruments ≥75% within limits	96.5	93.0	95.7	96.5	91.2	74.3
% of Instruments ≥65% within limits	96.5	95.7	95.7	97.4	93.8	86.7
% of Instruments ≥50% within limits	97.4	96.5	97.4	100.0	96.5	93.8

Percentage of Results Within Limits						
Instrument	Micronaire	Strength	Length	Uniformity	Color Rd	Color +b
GL171-001-01	100	100	99	100	100	75
GL171-002-01	100	100	98	85	100	95
GL171-003-01	100	100	100	100	100	100
GL171-004-53	100	99	100	100	100	100
GL171-004-62	100	98	100	100	100	99
GL171-008-01	100	85	98	99	92	86
GL171-011-15	100	100	100	100	100	95
GL171-011-20	100	88	100	100	100	100
GL171-012-01	99	93	100	99	86	98
GL171-013-01	93	88	100	58	97	88
GL171-014-01	99	98	100	100	100	83
GL171-016-01	98	99	100	100	100	100
GL171-017-04	100	100	96	99	100	66
GL171-017-05	100	96	93	99	100	75
GL171-018-01	100	100	100	100	100	100
GL171-018-04	100	100	93	100	100	100
GL171-018-05	100	100	100	100	100	100
GL171-019-01	99	100	100	100	68	77
GL171-019-02	100	100	100	100	99	70
GL171-020-04	100	98	98	97	100	97
GL171-021-04	99	97	100	77	98	74
GL171-022-02	100	88	93	93	99	83
GL171-023-01	100	100	100	100	100	99
GL171-024-30	100	99	99	100	100	78
GL171-025-31	98	93	100	99	100	100
GL171-025-33	96	94	98	100	100	100
GL171-026-01	100	98	100	98	99	96
GL171-028-01	100	99	100	99	100	88
GL171-029-01	99	46	83	67	41	85
GL171-030-01	98	98	98	100	100	91

GL171-030-02	98	98	98	100	100	91
GL171-031-14	100	97	100	100	100	100
GL171-032-14		58	85	93		
GL171-033-01	100	100	100	100	100	100
GL171-033-06	100	100	100	100	100	100
GL171-033-07	100	100	100	100	100	100
GL171-034-02	100	73	99	100		
GL171-034-03	100	93	100	100	100	98
GL171-036-26	100	84	100	100	100	100
GL171-036-34	100	98	100	100	100	97
GL171-037-01	100	95	80	93	88	60
GL171-038-03	99	98	99	100	89	98
GL171-039-01	100	98	90	97	100	100
GL171-041-01	100	99	100	100	100	93
GL171-042-03	99	73	60	97	100	80
GL171-043-01	100	90	97	99	100	100
GL171-045-01	100	100	98	96	100	79
GL171-046-01	100	100	99	100	100	99
GL171-046-02	100	99	100	100	100	99
GL171-046-03	100	96	100	100	100	100
GL171-047-01	100	24	83	97	61	98
GL171-048-01	83	99	96	99	99	95
GL171-049-01	100	100	100	100	98	70
GL171-050-06	97	100	95	97	93	68
GL171-051-01	100	100	100	100	100	100
GL171-051-02	100	100	100	99	100	100
GL171-052-01	97	100	87	97	99	98
GL171-053-01	99	91	97	98	100	98
GL171-055-02	100	98	100	100	97	95
GL171-055-03	90	90	58	92	89	77
GL171-055-06	96	78	91	95	58	47
GL171-055-07	100	100	84	99	88	66
GL171-055-08	99	96	97	99	99	98
GL171-057-02	100	100	97	100	96	93
GL171-058-03	100	100	100	100	100	100
GL171-058-06	100	100	100	100	100	100
GL171-060-01	98	99	90	98	93	74
GL171-061-01	100	100	100	100	100	75
GL171-062-01	100	95	81	93	88	58
GL171-063-03	100	97	97	99	99	100
GL171-064-01	100	100	98	100	100	100
GL171-064-03	100	99	92	98	100	93
GL171-065-02	100	95	78	93	88	60
GL171-066-01	100	100	100	100	100	100
GL171-066-02	100	100	100	100	100	100
GL171-068-01	100	72	75	90	63	73
GL171-069-01	100	100	100	100	100	97
GL171-069-02	100	100	100	100	100	99
GL171-071-01	100	95	81	93	88	58
GL171-072-01	98	98	89	98	98	70
GL171-073-34	99	95	100	98	100	100
GL171-073-36	99	95	98	99	100	100
GL171-074-03	100	99	90	100	100	64
GL171-074-04	100	100	93	100	100	71
GL171-074-05	100	100	98	100	100	52

GL171-075-01	100	98	100	100	100	100
GL171-075-02	100	100	100	100	100	100
GL171-077-01	97	100	95	97	93	68
GL171-077-02	98	79	85	99	69	58
GL171-078-05	61		4			
GL171-080-01	100	99	97	99	100	92
GL171-080-02	100	95	98	99	100	95
GL171-081-01	100	100	100	100	100	99
GL171-082-01	44	98	99	97	81	1
GL171-082-02	98	85	100	100	74	5
GL171-082-03	95	99	100	100	94	34
GL171-083-01	25	0	25	50	25	0
GL171-083-02	100	100	100	100	100	75
GL171-083-03	100	93	100	99	94	96
GL171-083-04	100	77	100	100	99	98
GL171-084-01	100	88	99	99	100	89
GL171-086-01	25	4	25	55	23	0
GL171-087-01	83	96	95	93	20	55
GL171-088-21	100	99	99	100	100	98
GL171-088-25	100	99	100	100	100	94
GL171-089-04	98	99	92	93	98	100
GL171-091-01	99	98	97	96	100	79
GL171-093-01	98	100	100	100	100	95
GL171-094-01	100	100	100	100	100	75
GL171-095-03	100	100	98	100	99	99
GL171-096-01	100	92	98	99	93	68
GL171-096-02	100	97	100	100	100	67
GL171-096-04	100	94	99	100	100	73
GL171-097-01	100	99	78	100	98	96
GL171-098-01	99	99	100	96	100	76
GL171-098-02	100	99	100	90	97	33