



International Cotton Advisory Committee



CSITC Global - Round Trial 2018 - 2 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 2018 - 2

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

Micronaire							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			3.590	4.191	3.675	4.242	
Reference Values for Evaluation			3.590	4.191	3.675	4.242	
Number Of Instruments			122	122	122	122	122
Inter-Instrument Variation	based on 30 tests	SD	0.062	0.052	0.066	0.054	0.058
		CV %	1.7	1.2	1.8	1.3	1.5
	based on 6 tests	SD	0.070	0.056	0.070	0.057	0.063
		CV %	2.0	1.3	1.9	1.3	1.6
	based on single tests	SD	0.080	0.067	0.081	0.066	0.074
		CV %	2.2	1.6	2.2	1.6	1.9
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.025	0.024	0.027	0.022	0.025
		CV %	0.7	0.6	0.7	0.5	0.6
	between single tests on one day	SD	0.034	0.032	0.039	0.033	0.034
		CV %	0.9	0.8	1.1	0.8	0.9
	between all tests on different days	SD	0.046	0.040	0.046	0.040	0.043
		CV %	1.3	1.0	1.3	0.9	1.1

Strength							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			26.020	32.173	22.307	28.981	
Reference Values for Evaluation			26.020	32.173	22.307	28.981	
Number Of Instruments			122	122	122	122	122
Inter-Instrument Variation	based on 30 tests	SD	0.659	0.834	0.578	0.814	0.721
		CV %	2.5	2.6	2.6	2.8	2.6
	based on 6 tests	SD	0.772	0.915	0.728	0.946	0.840
		CV %	3.0	2.8	3.3	3.3	3.1
	based on single tests	SD	0.992	1.117	0.913	1.102	1.031
		CV %	3.8	3.5	4.1	3.8	3.8
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.367	0.423	0.317	0.409	0.379
		CV %	1.4	1.3	1.4	1.4	1.4
	between single tests on one day	SD	0.580	0.618	0.534	0.635	0.592
		CV %	2.2	1.9	2.4	2.2	2.2
	between all tests on different days	SD	0.686	0.737	0.627	0.758	0.702
		CV %	2.6	2.3	2.8	2.6	2.6

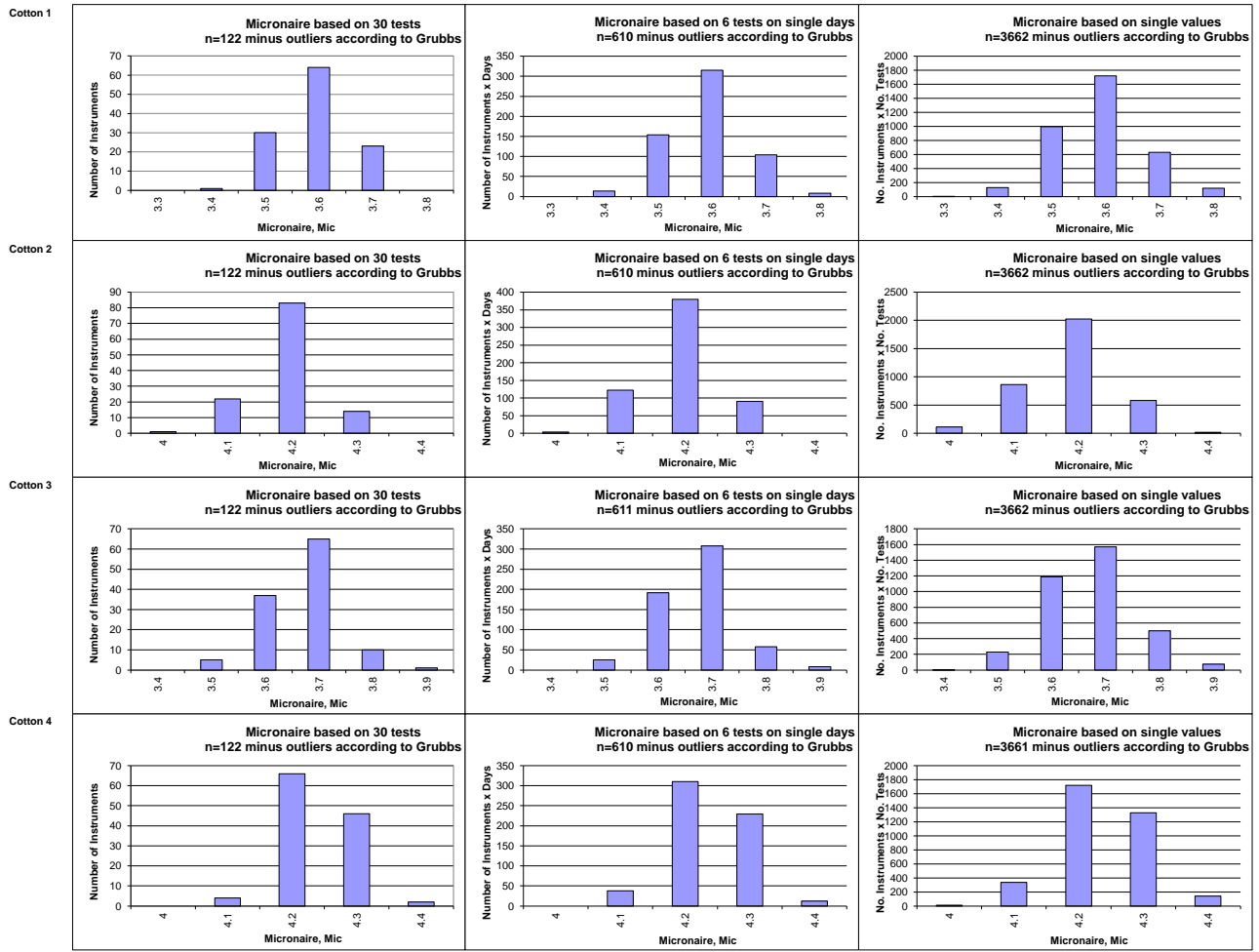
Length							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			1.0903	1.1588	0.9824	1.0354	
Reference Values for Evaluation			1.0903	1.1588	0.9824	1.0354	
Number Of Instruments			123	123	123	123	123
Inter-Instrument Variation	based on 30 tests	SD	0.0097	0.0095	0.0095	0.0112	0.0100
		CV %	0.9	0.8	1.0	1.1	0.9
	based on 6 tests	SD	0.0116	0.0111	0.0118	0.0128	0.0119
		CV %	1.1	1.0	1.2	1.2	1.1
	based on single tests	SD	0.0159	0.0152	0.0159	0.0163	0.0158
		CV %	1.5	1.3	1.6	1.6	1.5
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.0060	0.0055	0.0061	0.0055	0.0058
		CV %	0.6	0.5	0.6	0.5	0.5
	between single tests on one day	SD	0.0108	0.0104	0.0105	0.0103	0.0105
		CV %	1.0	0.9	1.1	1.0	1.0
	between all tests on different days	SD	0.0123	0.0117	0.0123	0.0114	0.0119
		CV %	1.1	1.0	1.3	1.1	1.1

Uniformity							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			79.580	83.900	77.761	80.236	
Reference Values for Evaluation			79.580	83.900	77.761	80.236	
Number Of Instruments			122	122	122	122	122
Inter-Instrument Variation	based on 30 tests	SD	0.487	0.414	0.504	0.443	0.462
		CV %	0.6	0.5	0.6	0.6	0.6
	based on 6 tests	SD	0.582	0.472	0.601	0.541	0.549
		CV %	0.7	0.6	0.8	0.7	0.7
	based on single tests	SD	0.866	0.659	0.848	0.745	0.779
		CV %	1.1	0.8	1.1	0.9	1.0
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.317	0.237	0.332	0.281	0.292
		CV %	0.4	0.3	0.4	0.3	0.4
	between single tests on one day	SD	0.577	0.467	0.587	0.510	0.535
		CV %	0.7	0.6	0.8	0.6	0.7
	between all tests on different days	SD	0.631	0.519	0.665	0.577	0.598
		CV %	0.8	0.6	0.9	0.7	0.7

Color Rd							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			72.033	74.881	76.743	77.887	
Reference Values for Evaluation			72.033	74.881	76.743	77.887	
Number Of Instruments			119	119	119	119	119
Inter-Instrument Variation	based on 30 tests	SD	0.534	0.488	0.499	0.531	0.513
		CV %	0.7	0.7	0.6	0.7	0.7
	based on 6 tests	SD	0.576	0.555	0.534	0.561	0.557
		CV %	0.8	0.7	0.7	0.7	0.7
	based on single tests	SD	0.604	0.616	0.567	0.577	0.591
		CV %	0.8	0.8	0.7	0.7	0.8
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.174	0.177	0.205	0.171	0.182
		CV %	0.2	0.2	0.3	0.2	0.2
	between single tests on one day	SD	0.169	0.158	0.209	0.151	0.172
		CV %	0.2	0.2	0.3	0.2	0.2
	between all tests on different days	SD	0.262	0.266	0.333	0.240	0.275
		CV %	0.4	0.4	0.4	0.3	0.4

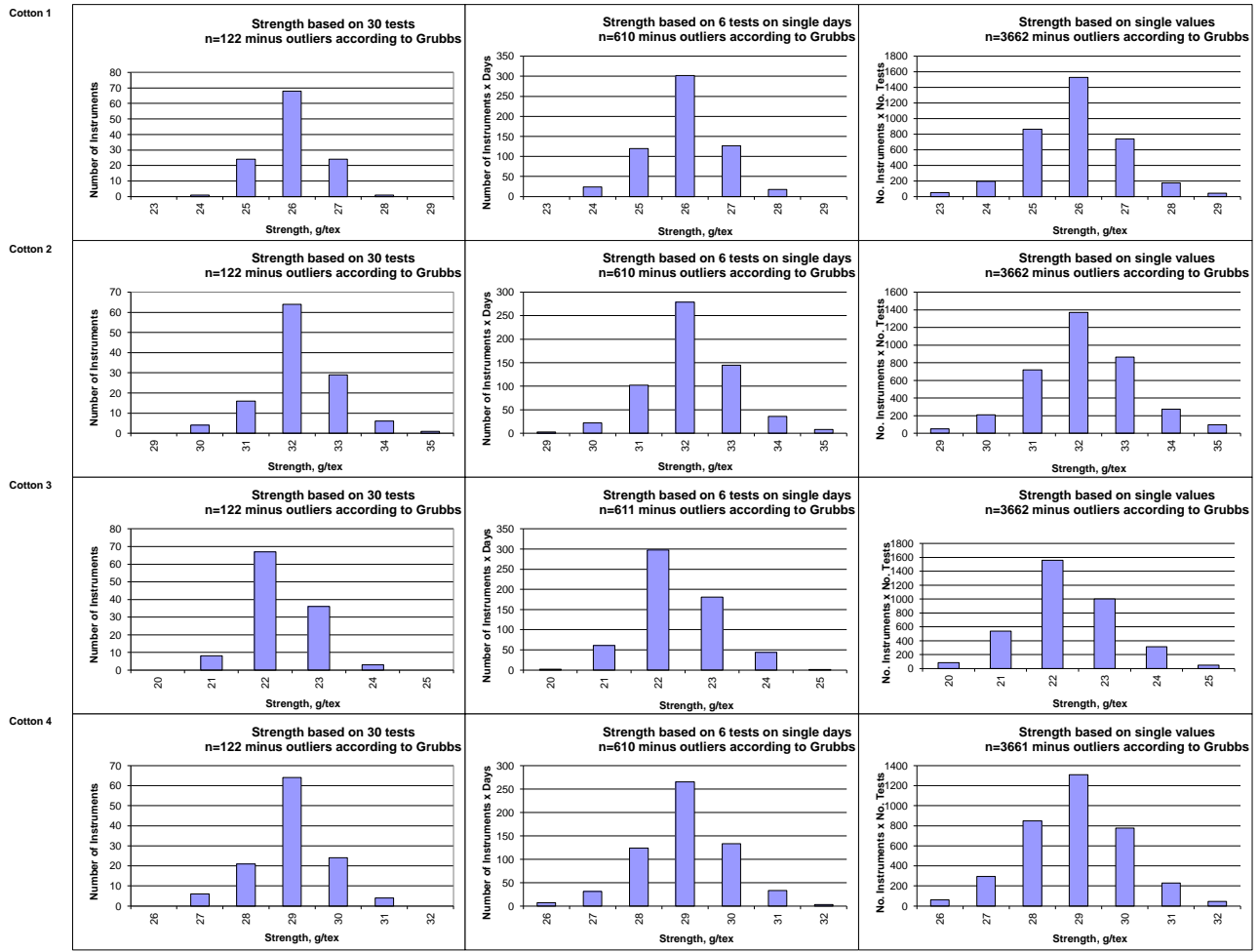
Color +b							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			16.459	15.046	9.156	11.714	
Reference Values for Evaluation			16.459	15.046	9.156	11.714	
Number Of Instruments			119	119	119	119	119
Inter-Instrument Variation	based on 30 tests	SD	0.396	0.333	0.217	0.294	0.310
		CV %	2.4	2.2	2.4	2.5	2.4
	based on 6 tests	SD	0.412	0.325	0.268	0.324	0.332
		CV %	2.5	2.2	2.9	2.8	2.6
	based on single tests	SD	0.446	0.352	0.291	0.332	0.355
		CV %	2.7	2.3	3.2	2.8	2.8
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.136	0.123	0.099	0.110	0.117
		CV %	0.8	0.8	1.1	0.9	0.9
	between single tests on one day	SD	0.117	0.112	0.091	0.087	0.102
		CV %	0.7	0.7	1.0	0.7	0.8
	between all tests on different days	SD	0.199	0.183	0.156	0.154	0.173
		CV %	1.2	1.2	1.7	1.3	1.4

Test Result Distributions
Micronaire



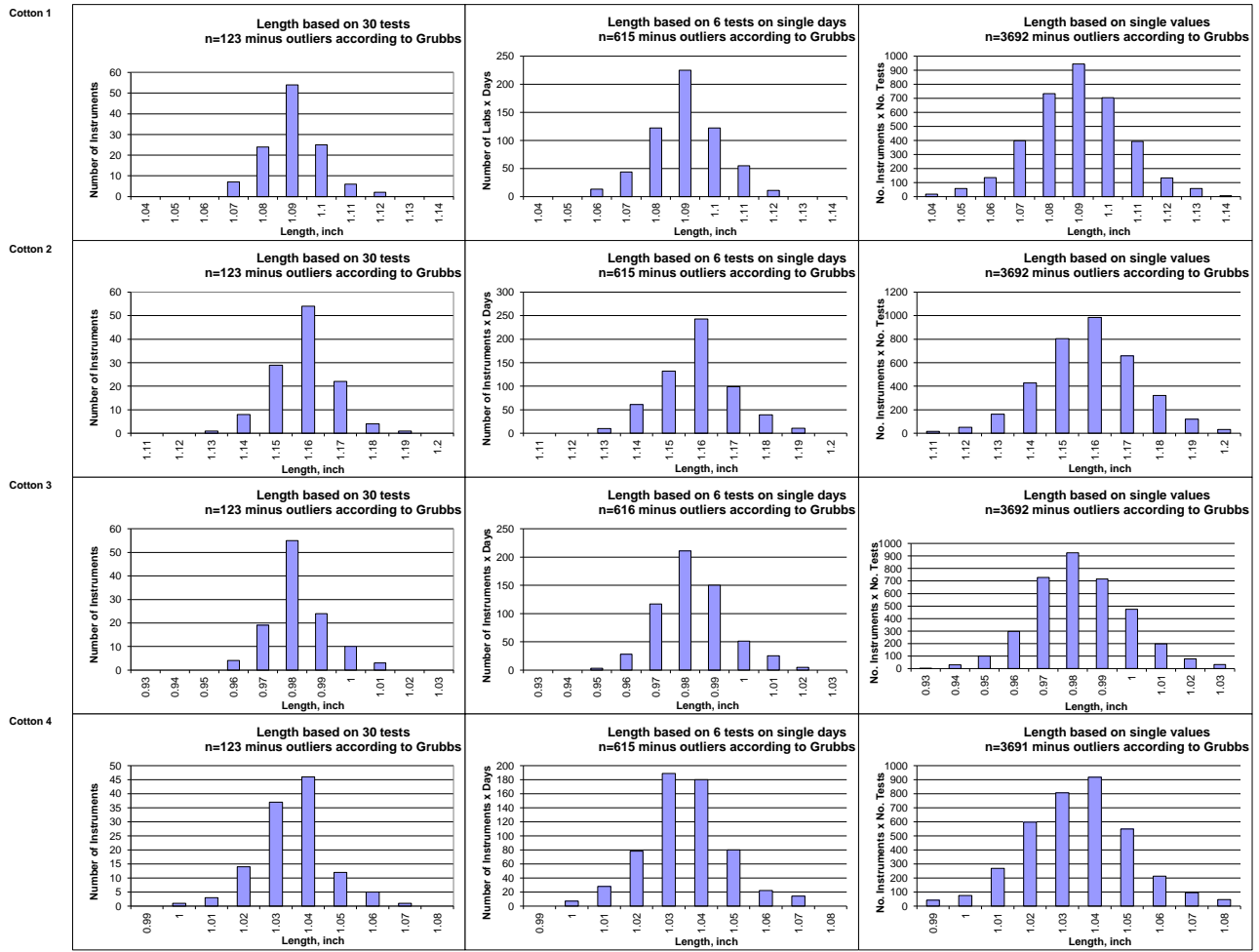
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method.)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Strength



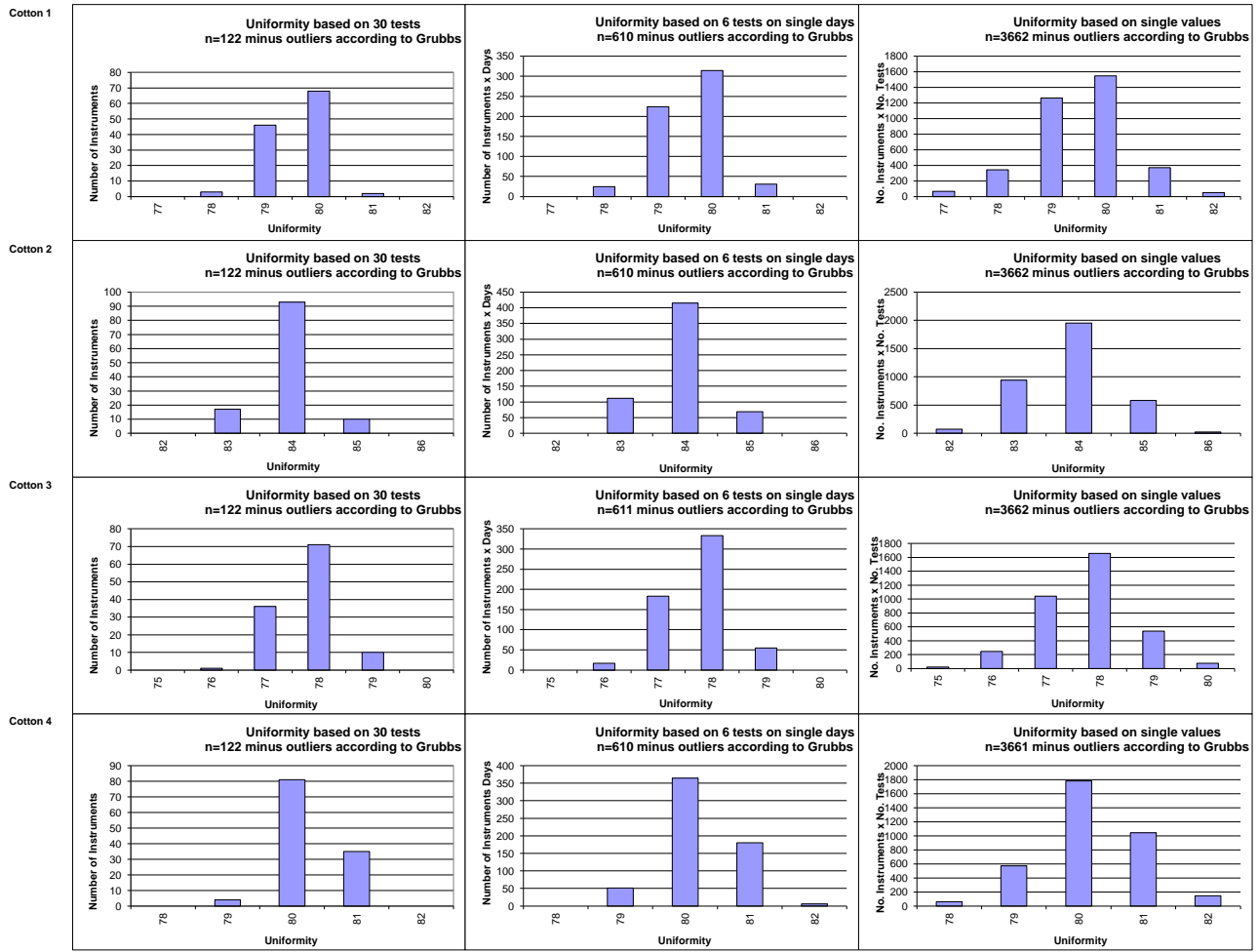
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method) (classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Length



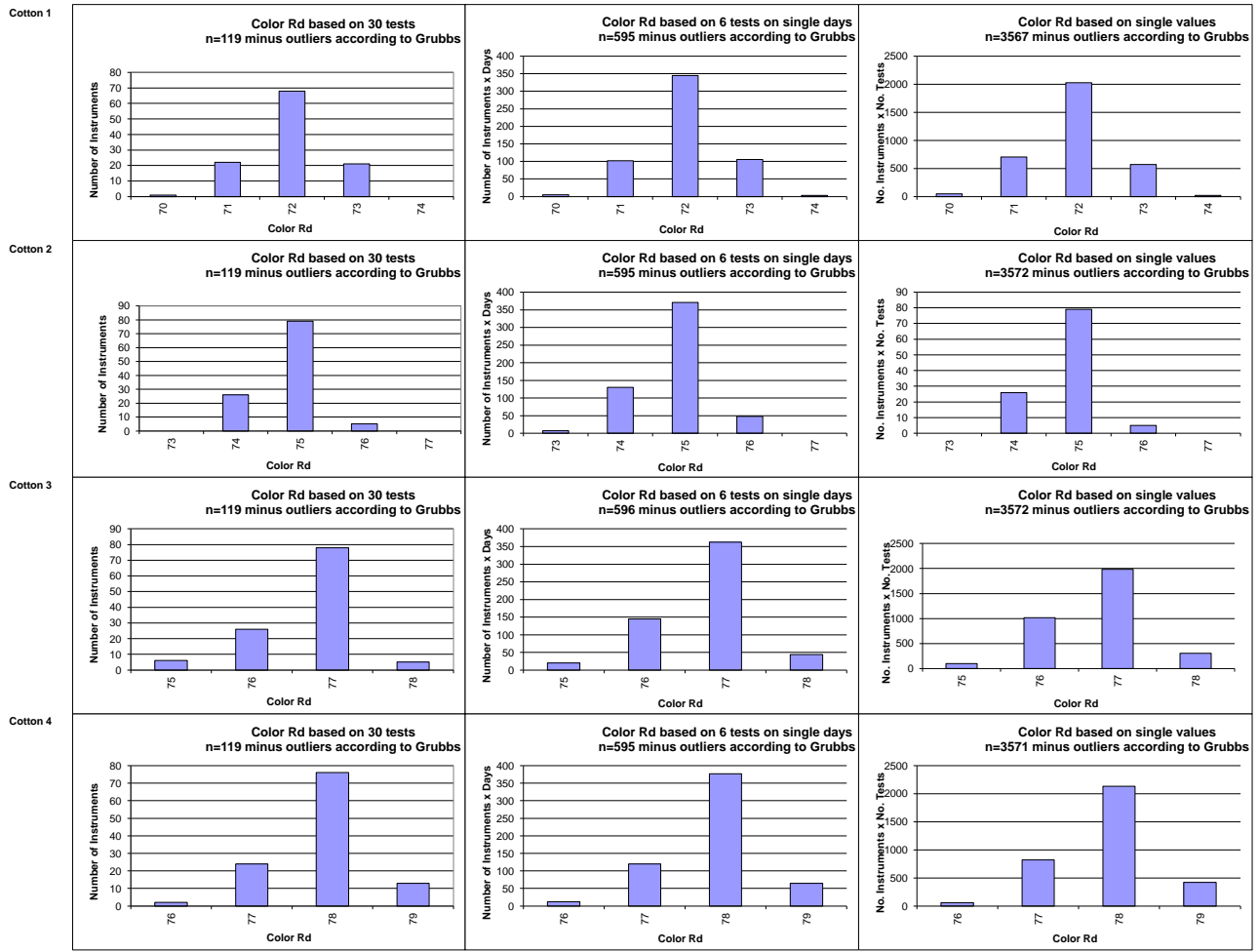
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method) (classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Uniformity



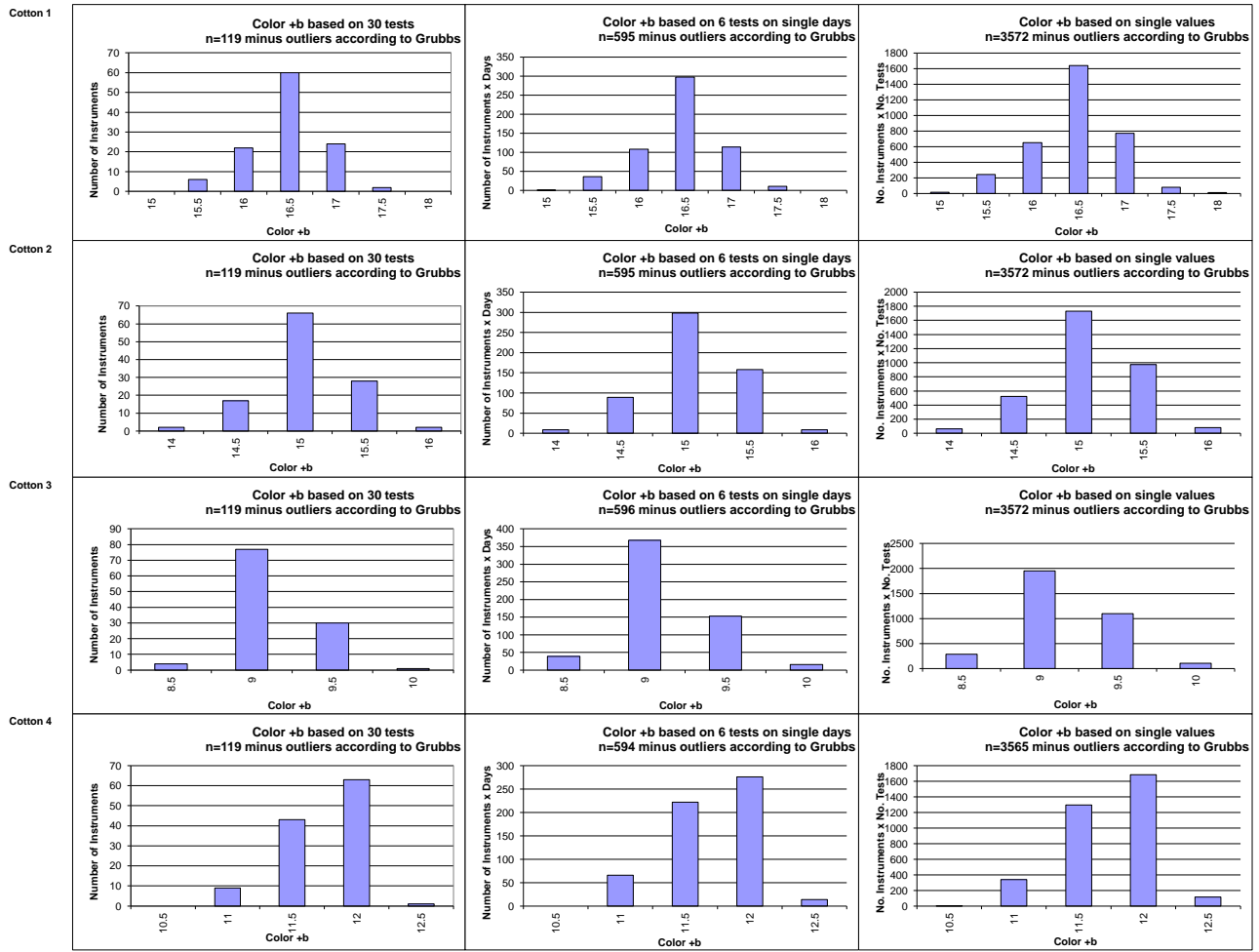
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(classes are defined as > lower limit and <= upper limit)

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

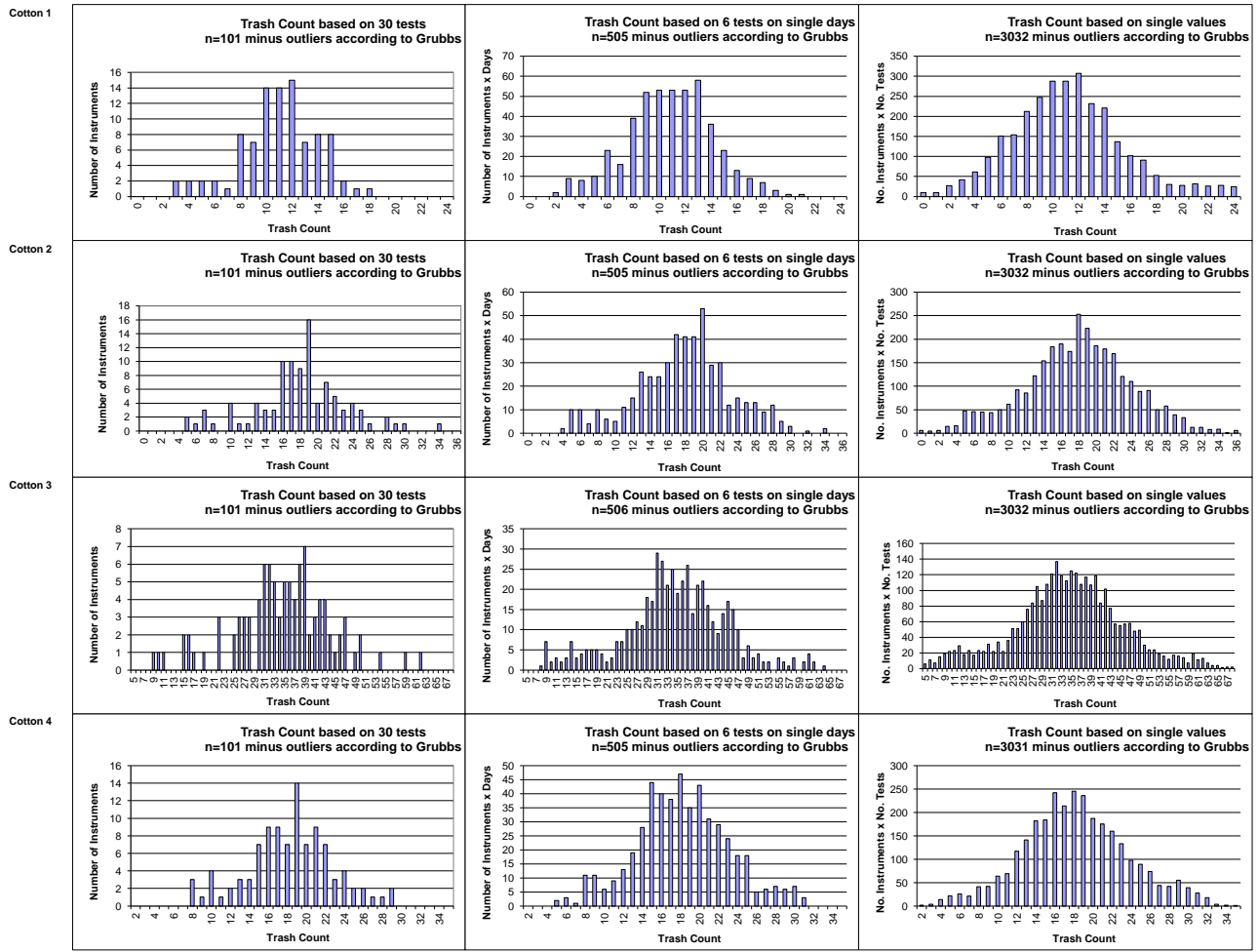
Trash Count							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			10.96	18.01	34.59	18.25	
Reference Values for Evaluation			10.96	18.01	34.59	18.25	
Number Of Instruments			101	101	101	101	101
Inter-Instrument Variation	based on 30 tests	SD	2.96	5.30	9.74	4.55	5.64
		CV %	27.0	29.4	28.2	24.9	27.4
		SD	3.37	5.56	10.30	4.99	6.05
	based on 6 tests	CV %	30.7	30.9	29.8	27.3	29.7
		SD	4.38	6.13	11.18	5.57	6.82
		CV %	40.0	34.0	32.3	30.5	34.2
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	1.46	2.00	2.99	1.60	2.01
		CV %	13.3	11.1	8.6	8.7	10.5
	between single tests on one day	SD	1.84	2.45	3.94	2.42	2.66
		CV %	16.8	13.6	11.4	13.3	13.8
	between all tests on different days	SD	2.56	3.12	5.50	3.31	3.62
		CV %	23.4	17.3	15.9	18.1	18.7

Trash Area							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			0.117	0.154	0.297	0.180	
Reference Values for Evaluation			0.117	0.154	0.297	0.180	
Number Of Instruments			101	101	101	101	101
Inter-Instrument Variation	based on 30 tests	SD	0.029	0.037	0.074	0.039	0.045
		CV %	25.1	24.3	25.1	21.6	24.0
		SD	0.035	0.042	0.081	0.042	0.050
	based on 6 tests	CV %	29.7	27.1	27.4	23.2	26.9
		SD	0.041	0.048	0.096	0.052	0.059
		CV %	34.7	31.2	32.4	28.6	31.7
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.020	0.020	0.037	0.024	0.025
		CV %	16.9	13.0	12.5	13.3	13.9
	between single tests on one day	SD	0.022	0.024	0.044	0.031	0.030
		CV %	19.1	15.8	14.8	17.0	16.7
	between all tests on different days	SD	0.032	0.035	0.064	0.040	0.043
		CV %	27.7	22.7	21.5	22.4	23.6

Maturity							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			83.76	85.87	85.22	85.46	
Reference Values for Evaluation			83.76	85.87	85.22	85.46	
Number Of Instruments			96	96	96	96	96
Inter-Instrument Variation	based on 30 tests	SD	0.90	1.03	0.78	0.92	0.91
		CV %	1.1	1.2	0.9	1.1	1.1
		SD	0.92	1.05	0.79	0.95	0.93
	based on 6 tests	CV %	1.1	1.2	0.9	1.1	1.1
		SD	0.98	1.06	1.31	0.99	1.09
		CV %	1.2	1.2	1.5	1.2	1.3
Typical within-instrument Variation (Median)	between different days with each 6 tests	SD	0.15	0.15	0.15	0.15	0.15
		CV %	0.2	0.2	0.2	0.2	0.2
	between single tests on one day	SD	0.18	0.19	0.25	0.21	0.21
		CV %	0.2	0.2	0.3	0.2	0.2
	between all tests on different days	SD	0.31	0.31	0.38	0.35	0.33
		CV %	0.4	0.4	0.4	0.4	0.4

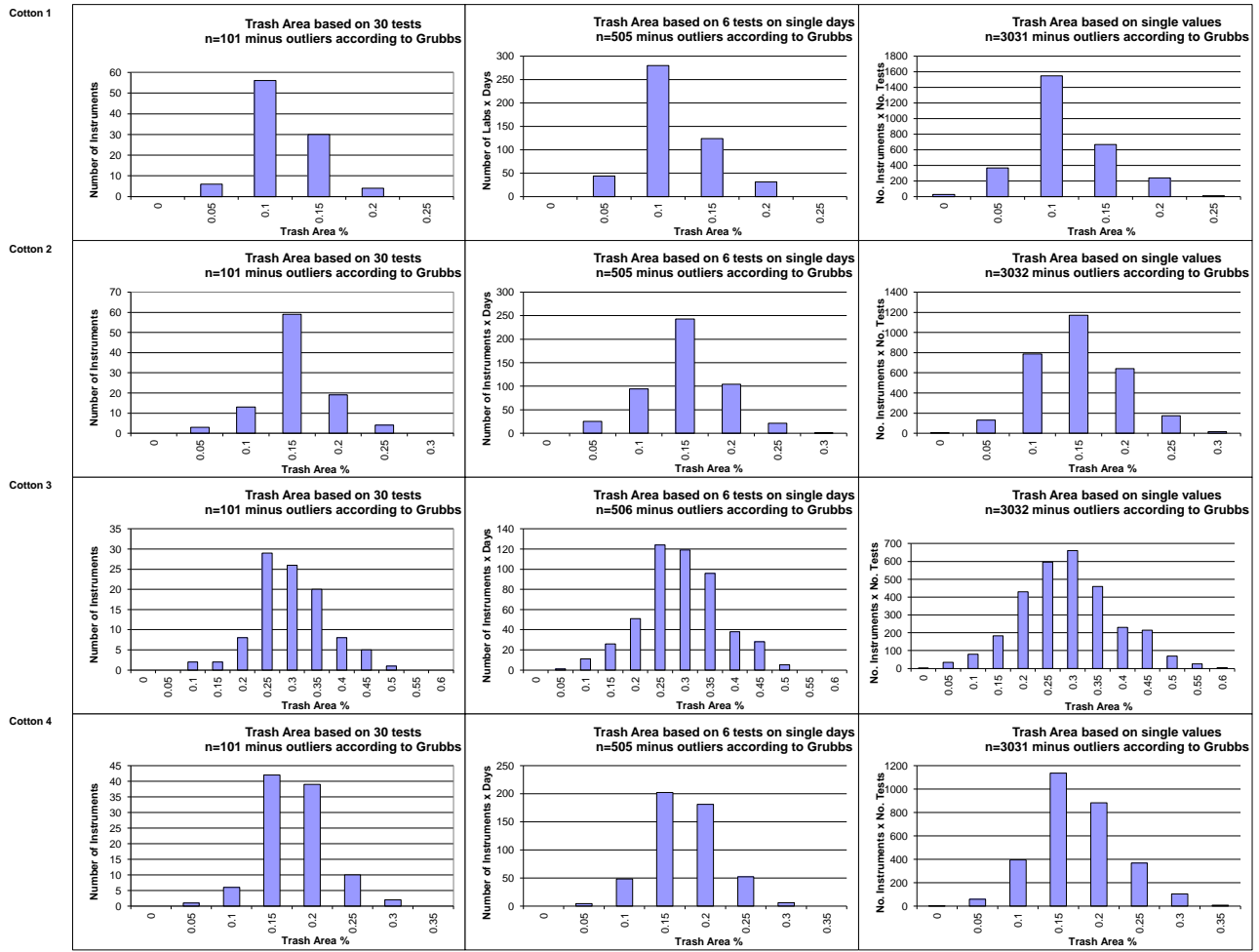
SFI							
			Cotton 1	Cotton 2	Cotton 3	Cotton 4	Average
Average of Instruments (Grubbs)			12.01	7.31	15.56	11.35	
Reference Values for Evaluation			12.01	7.31	15.56	11.35	
Number Of Instruments			105	105	105	105	105
Inter-Instrument Variation	based on 30 tests	SD	1.35	0.76	1.92	1.11	1.28
		CV %	11.2	10.4	12.4	9.7	10.9
	based on 6 tests	SD	1.38	0.72	1.97	1.17	1.31
		CV %	11.5	9.9	12.7	10.3	11.1
	based on single tests	SD	1.45	0.83	2.09	1.32	1.42
		CV %	12.1	11.4	13.4	11.6	12.1
Typical within-instrument Variation (Median)	between different days	SD	0.35	0.16	0.43	0.28	0.30
		CV %	2.9	2.2	2.8	2.5	2.6
	between single tests on one day	SD	0.57	0.32	0.77	0.58	0.56
		CV %	4.8	4.4	4.9	5.1	4.8
	between all tests on different days	SD	0.66	0.35	0.87	0.64	0.63
		CV %	5.5	4.8	5.6	5.7	5.4

Test Result Distributions
Trash Count



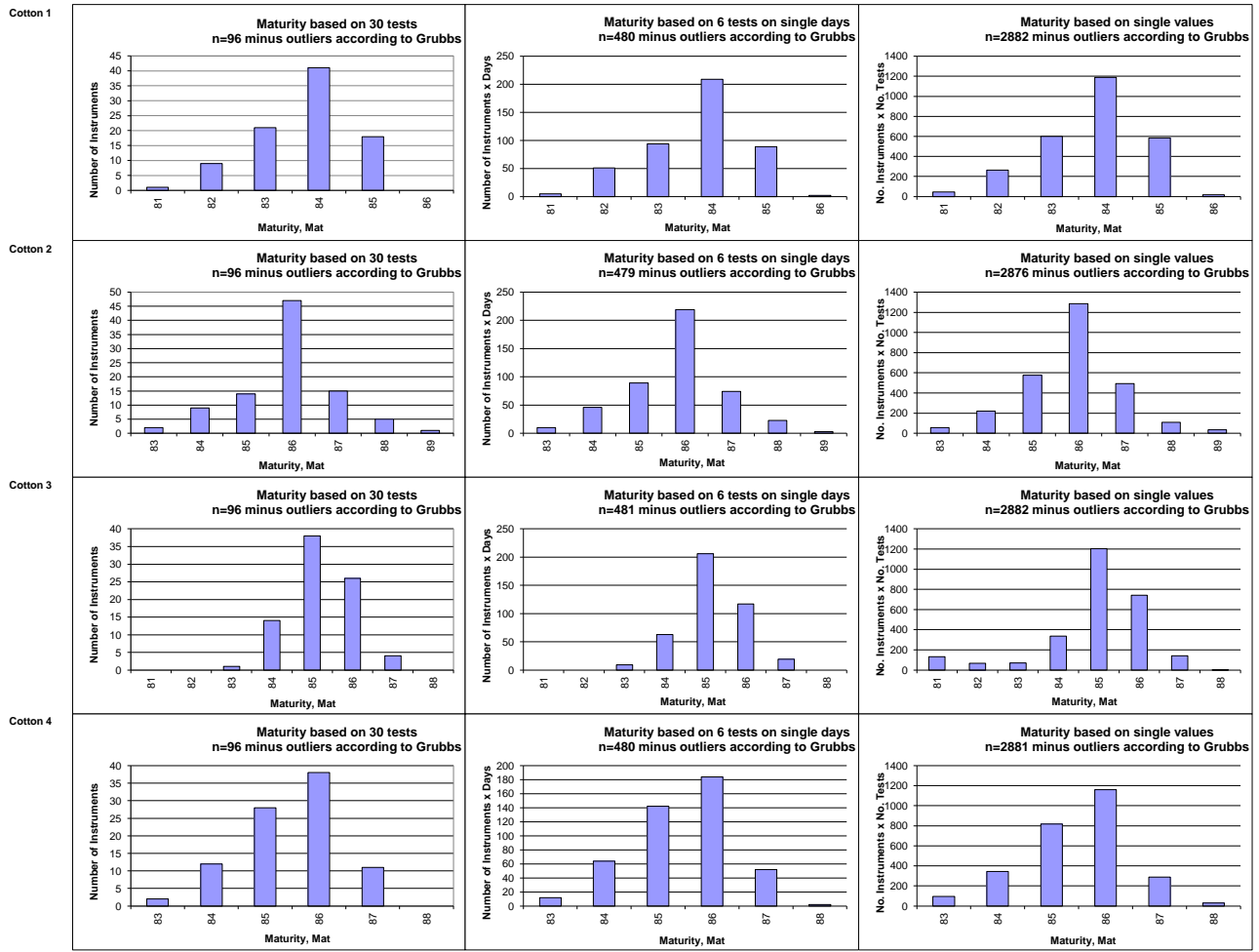
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method)
(classes are defined as > lower limit and <= upper limit)

Test Result Distributions
Trash Area



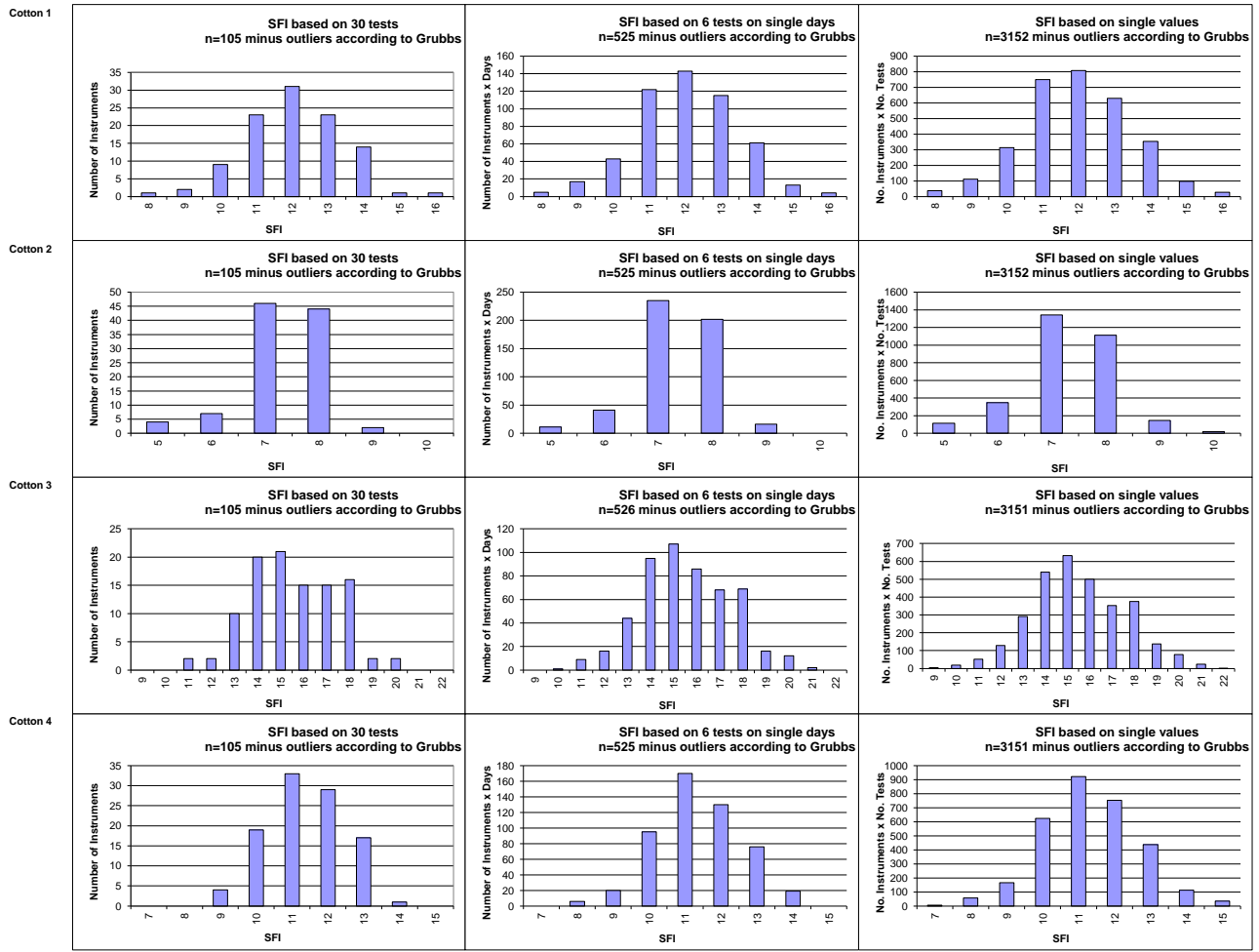
(Only results from instruments/days/single tests that are not regarded as outliers according to Grubbs' method) (classes are defined as > lower limit and <= upper limit)

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 2018 - 2 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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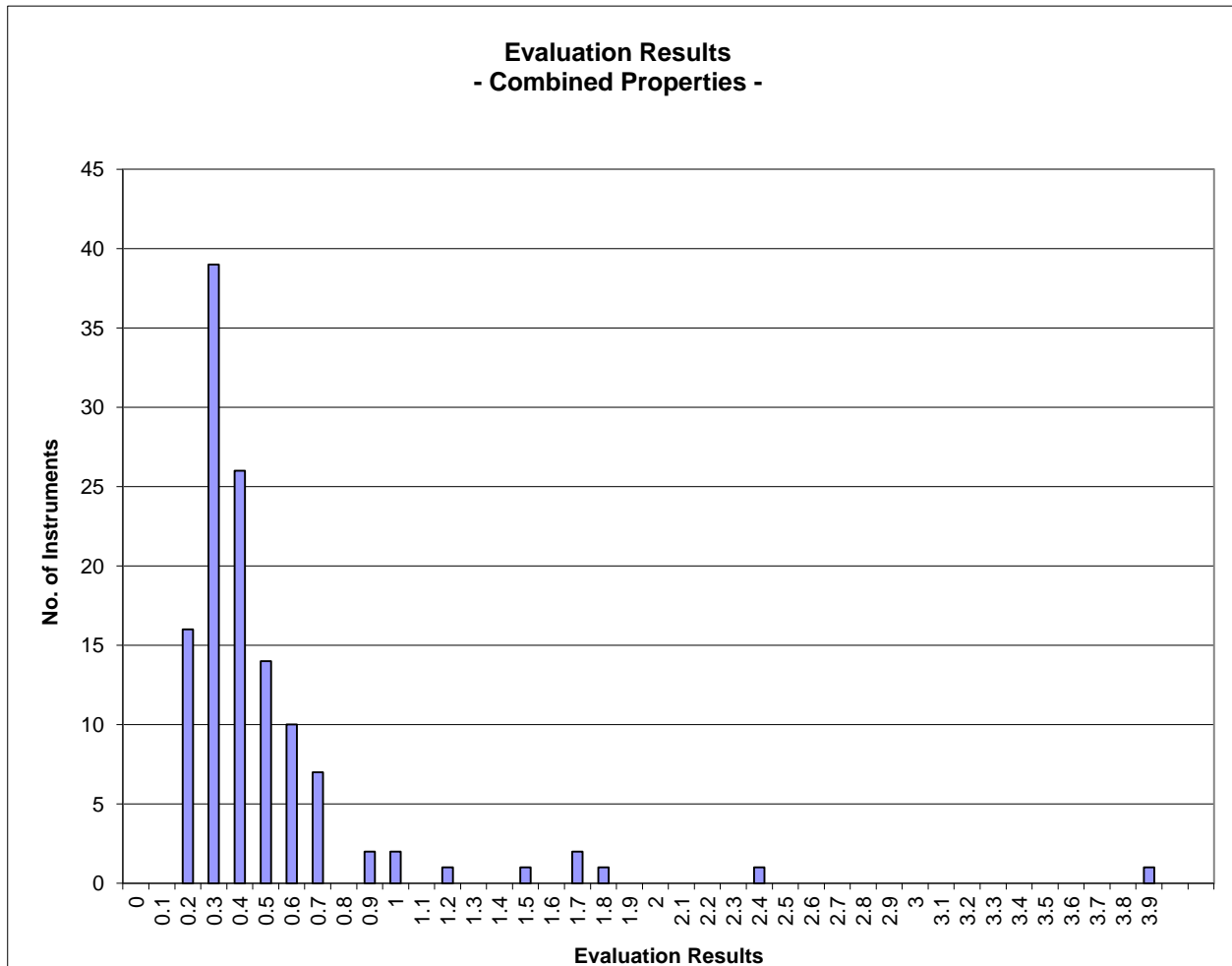
Instrument Evaluation

- Graph of Combined Properties -

According to ICAC CSITC Task Force Recommendations

Global - Round Trial 2018 - 2

		Evaluation Combined Prop.
Statistics	Average	0.49
	Median	0.36
	Best Instrument	0.15
	Worst Instrument	3.90

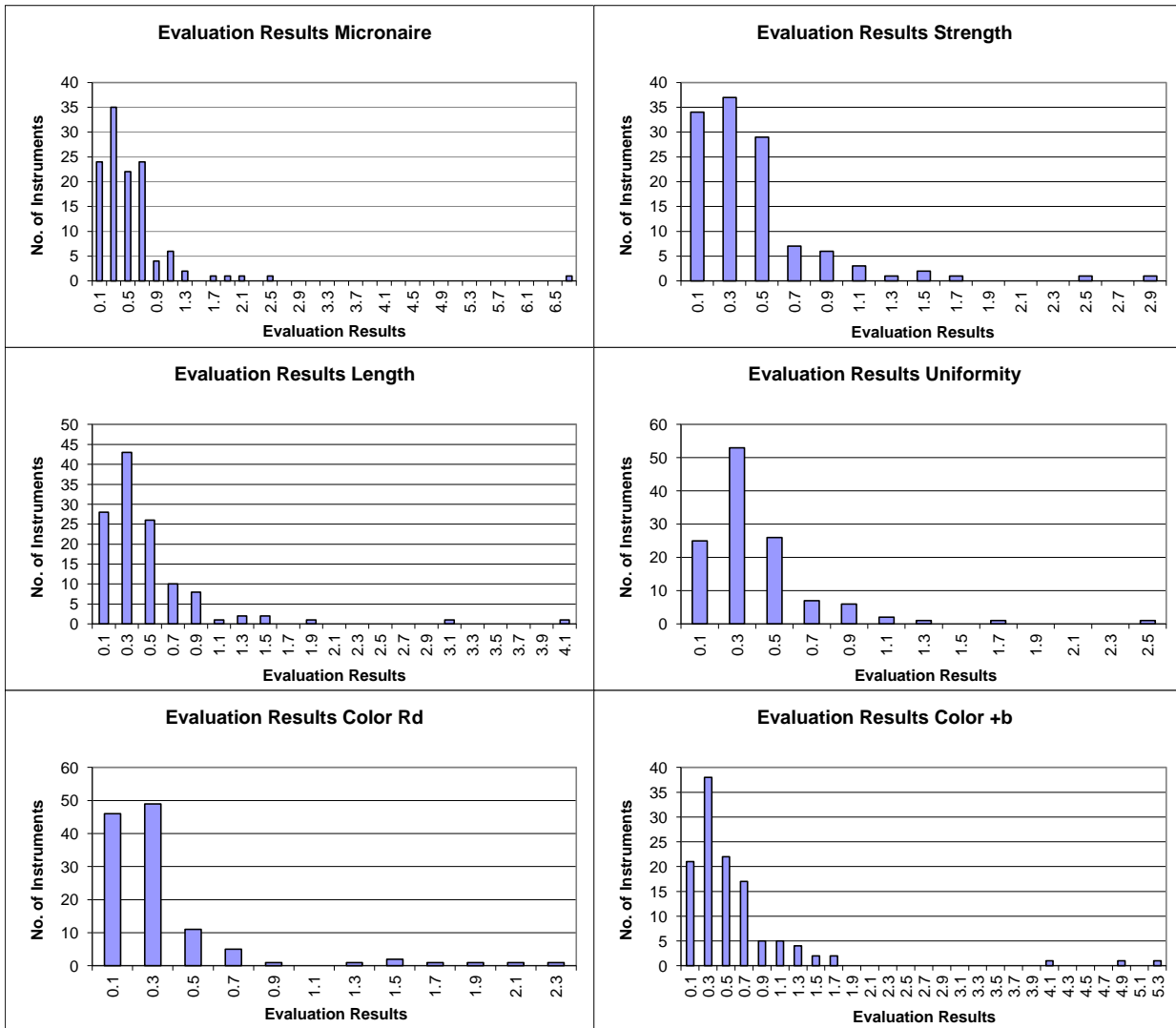


x-Axis shows midpoints of classes

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 2018 - 2

	Evaluation Micronaire	Evaluation Strength	Evaluation Length	Evaluation Uniformity	Evaluation Color Rd	Evaluation Color +b
Statistics	Average	0.56	0.44	0.48	0.41	0.35
	Median	0.41	0.33	0.36	0.33	0.23
	Best Instr.	0.04	0.05	0.05	0.03	0.02
	Worst Instr.	6.71	2.91	4.09	2.57	5.27



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



International Cotton Advisory Committee



CSITC
Global - Round Trial 2018 - 2
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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Generation 10 Limited



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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	97.3	94.5	95.3	98.4	94.7	85.3
Completely within limits	93.4	86.9	89.4	95.9	92.4	70.6
% of Instruments $\geq 75\%$ within limits	96.7	95.1	95.1	98.4	93.3	84.0
% of Instruments $\geq 50\%$ within limits	99.2	96.7	97.6	99.2	95.8	91.6

Percentage of Results Within Limits						
Instrument	Micronaire	Strength	Length	Uniformity	Color Rd	Color +b
GL182-001-01	100	100	100	100	100	100
GL182-002-01	100	100	100	100	100	100
GL182-003-04	75	75	75	100	100	25
GL182-007-01	100	100	100	100	100	100
GL182-007-02	100	100	100	100	100	100
GL182-008-01	25	25	25	25	25	0
GL182-008-02	100	100	100	100	100	75
GL182-008-04	100	100	100	100	100	100
GL182-010-03	100	100	100	100	100	100
GL182-012-01	100	100	100	100	100	100
GL182-014-01	100	100	100	100	100	100
GL182-014-02	100	100	100	100	100	100
GL182-015-01	100	100	75	100	100	100
GL182-015-02	100	100	75	100	100	100
GL182-016-53	100	100	100	100	100	100
GL182-016-60	100	100	100	100	100	100
GL182-017-01	100	100	100	100	100	100
GL182-017-02	100	100	100	100	100	100
GL182-018-01	100	75	100	100	100	50
GL182-018-02	100	100	100	100	100	75
GL182-018-03	100	0	100	100	100	100
GL182-019-13	100	100	100	100	100	100
GL182-020-05	100	100	100	100	100	100
GL182-020-12	100	100	100	100	100	100
GL182-021-01		50	50	75		
GL182-022-01	100	75	75	100	100	100
GL182-022-03	100	100	100	100	100	75
GL182-023-01	100	50	75	75	0	0
GL182-024-01	100	100	100	100	100	100
GL182-027-01	100	100	100	100	100	100
GL182-029-02	100	100	100	100	100	100
GL182-029-04	100	75	100	100	25	25
GL182-029-08	100	100	100	100	100	100
GL182-030-01	100	100	100	100	100	100

GL182-030-02	100	100	100	100	100	100
GL182-031-01	100	100	100	100	100	100
GL182-032-01	100	100	100	100	100	25
GL182-032-02	100	100	100	100	100	75
GL182-033-01	50	75	50	50		
GL182-034-01	100	100	100	100	100	75
GL182-036-01	75	75	75	100	0	0
GL182-037-01	100	75	100	100	100	100
GL182-038-01	100	100	100	100	100	100
GL182-038-02	100	100	100	100	50	25
GL182-039-03	100	100	100	100	100	75
GL182-040-01	100	25	100	100	100	100
GL182-040-02	100	25	100	100	100	100
GL182-043-03	100	100	100	100	100	100
GL182-044-01	75		25			
GL182-045-06	100	100	100	100	100	100
GL182-045-07	100	100	100	100	100	100
GL182-045-08	100	100	100	100	100	100
GL182-046-03	100	100	100	100	100	100
GL182-046-07	100	100	100	100	100	75
GL182-046-08	100	100	100	100	100	100
GL182-046-09	100	100	100	100	100	100
GL182-046-10	100	100	100	100	100	100
GL182-046-11	100	100	100	100	100	100
GL182-046-12	100	100	100	100	100	100
GL182-046-13	100	100	100	100	100	100
GL182-046-14	100	100	100	100	100	100
GL182-047-01	100	100	100	100	100	100
GL182-048-01	100	100	100	100	100	100
GL182-049-06	100	100	100	100	100	100
GL182-050-06	100	75	75	100	100	100
GL182-051-01	100	100	100	100	100	0
GL182-052-01	100	100	100	100	100	50
GL182-052-02	100	100	100	100	75	50
GL182-052-03	100	100	100	100	100	75
GL182-052-04	100	100	100	100	100	100
GL182-053-01	100	100	100	100	100	75
GL182-054-01	100	100	100	100	100	75
GL182-055-02	100	100	100	100	100	75
GL182-056-01	100	100	100	100	100	100
GL182-057-03	100	100	100	100	100	100
GL182-057-06	100	100	100	100	100	100
GL182-059-20	100	100	100	100	100	100
GL182-059-24	100	100	100	100	100	100
GL182-060-01	100	100	50	100	50	75
GL182-061-01	100	100	100	100	0	50
GL182-061-02	100	100	100	100	100	100
GL182-061-04	100	100	100	100	100	100
GL182-062-03	100	100	100	100	100	50
GL182-062-04	100	100	100	100	100	50
GL182-062-05	100	100	100	100	100	50
GL182-063-03	100	100	100	100	100	100
GL182-064-01	100	100	0	100	50	50
GL182-066-01	100	100	100	100	100	75
GL182-067-04	100	100	100	100	100	100

GL182-068-09	100	100	100	100	100	100
GL182-068-23	100	100	100	100	100	100
GL182-069-03	100	100	100	100	100	100
GL182-070-31	100	100	100	100	100	100
GL182-070-33	100	100	100	100	100	100
GL182-071-04	100	100	100	100	100	100
GL182-071-05	100	100	100	100	100	100
GL182-071-06	100	100	100	100	100	100
GL182-072-01	100	100	100	75	100	100
GL182-073-02	100	100	100	100	100	100
GL182-073-03	100	100	100	100	100	100
GL182-075-02	100	75	100	100		
GL182-075-03	100	100	100	100	100	100
GL182-076-01	100	100	100	100	100	50
GL182-076-02	100	100	100	100	100	100
GL182-077-01	100	100	100	100	100	100
GL182-077-02	100	100	100	100	100	100
GL182-079-01	100	100	100	100	100	100
GL182-080-01	100	100	100	100	100	75
GL182-080-02	100	100	100	100	100	75
GL182-083-02	100	100	100	100	100	100
GL182-083-05	50	100	100	100	100	0
GL182-083-07	50	100	100	100	100	100
GL182-083-10	75	100	100	100	100	0
GL182-085-01	100	100	100	100	100	100
GL182-085-02	100	100	100	100	100	100
GL182-086-01	100	100	100	100	100	100
GL182-086-02	100	100	100	100	100	100
GL182-087-01	100	100	100	100	100	100
GL182-089-01	100	100	100	100	100	100
GL182-090-03	100	75	100	100	100	100
GL182-091-01	100	100	100	100	100	75
GL182-093-01	100	100	100	100	100	100
GL182-094-02	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	0.5
	units	g/tex	inch	%	units	units
Average % Results within Limits	96.7	91.2	93.5	96.7	93.7	81.0
% of Instruments 100% within limits	63.9	23.8	29.3	41.0	63.9	18.5
% of Instruments ≥95% within limits	87.7	61.5	75.6	86.9	84.0	37.8
% of Instruments ≥75% within limits	96.7	91.0	93.5	96.7	92.4	75.6
% of Instruments ≥65% within limits	96.7	95.1	95.9	98.4	93.3	79.8
% of Instruments ≥50% within limits	98.4	95.9	95.9	99.2	94.1	89.9

Percentage of Results Within Limits						
Instrument	Micronaire	Strength	Length	Uniformity	Color Rd	Color +b
GL182-001-01	100	97	99	100	100	95
GL182-002-01	100	90	98	100	99	96
GL182-003-04	89	83	81	83	90	79
GL182-007-01	100	98	96	100	100	94
GL182-007-02	100	99	93	100	100	97
GL182-008-01	20	27	25	25	25	0
GL182-008-02	100	100	100	100	100	88
GL182-008-04	100	100	100	100	100	99
GL182-010-03	100	100	88	99	100	100
GL182-012-01	100	98	99	100	100	78
GL182-014-01	100	96	99	97	100	96
GL182-014-02	100	96	99	97	100	96
GL182-015-01	93	84	82	100	86	53
GL182-015-02	100	96	88	99	93	54
GL182-016-53	100	97	100	100	100	100
GL182-016-60	100	98	99	100	100	100
GL182-017-01	100	100	99	100	97	94
GL182-017-02	100	100	98	100	99	93
GL182-018-01	96	63	98	98	100	52
GL182-018-02	98	84	77	98	100	79
GL182-018-03	99	21	96	99	85	82
GL182-019-13	100	93	98	99	100	90
GL182-020-05	100	98	93	99	98	97
GL182-020-12	99	97	94	97	98	100
GL182-021-01		38	49	74		
GL182-022-01	99	77	84	94	100	63
GL182-022-03	94	91	96	97	100	73
GL182-023-01	99	73	68	70	18	1
GL182-024-01	100	100	99	99	100	100
GL182-027-01	100	83	99	99	100	95

GL182-029-02	95	88	98	93	100	92
GL182-029-04	94	76	96	96	32	30
GL182-029-08	98	93	89	97	100	99
GL182-030-01	99	93	98	99	100	82
GL182-030-02	100	100	100	100	100	88
GL182-031-01	98	97	93	98	99	98
GL182-032-01	100	100	100	99	100	38
GL182-032-02	100	100	100	100	100	68
GL182-033-01	48	74	42	50		
GL182-034-01	99	100	99	99	100	83
GL182-036-01	80	75	71	89	3	2
GL182-037-01	100	69	95	100	99	83
GL182-038-01	98	98	97	98	95	93
GL182-038-02	94	98	99	98	53	31
GL182-039-03	100	93	98	96	99	63
GL182-040-01	100	39	80	93	83	94
GL182-040-02	100	38	80	93	83	94
GL182-043-03	100	98	95	94	99	97
GL182-044-01	83		25			
GL182-045-06	98	97	92	98	86	95
GL182-045-07	99	86	93	100	99	100
GL182-045-08	100	88	96	96	100	100
GL182-046-03	100	100	100	99	100	97
GL182-046-07	98	98	100	100	100	63
GL182-046-08	96	88	97	100	100	93
GL182-046-09	100	98	100	99	100	88
GL182-046-10	99	98	100	100	98	100
GL182-046-11	100	98	98	93	100	92
GL182-046-12	100	99	100	99	100	95
GL182-046-13	100	98	99	98	100	100
GL182-046-14	100	99	99	98	99	100
GL182-047-01	100	98	98	98	99	98
GL182-048-01	100	100	100	100	100	92
GL182-049-06	100	100	95	99	100	98
GL182-050-06	100	80	86	100	91	81
GL182-051-01	98	83	97	99	99	14
GL182-052-01	100	96	96	89	99	43
GL182-052-02	100	99	90	95	75	44
GL182-052-03	100	100	100	98	100	80
GL182-052-04	100	100	100	100	100	100
GL182-053-01	100	72	98	100	100	77
GL182-054-01	100	98	99	99	96	73
GL182-055-02	100	94	98	99	100	80
GL182-056-01	100	98	100	100	100	94
GL182-057-03	100	100	98	100	100	100
GL182-057-06	100	100	100	100	100	100
GL182-059-20	100	100	100	100	100	100
GL182-059-24	100	100	100	98	100	100
GL182-060-01	100	94	69	87	32	78
GL182-061-01	100	93	100	98	46	44
GL182-061-02	98	93	99	100	100	100
GL182-061-04	100	100	99	99	100	97
GL182-062-03	100	98	100	100	100	63
GL182-062-04	100	95	98	99	100	57
GL182-062-05	98	97	99	100	100	59

GL182-063-03	100	95	99	100	100	96
GL182-064-01	92	94	47	95	38	62
GL182-066-01	100	88	86	97	99	69
GL182-067-04	99	86	96	92	100	82
GL182-068-09	100	97	100	100	100	100
GL182-068-23	100	95	100	100	100	100
GL182-069-03	98	98	98	100	98	92
GL182-070-31	99	95	99	98	100	88
GL182-070-33	100	99	99	98	95	90
GL182-071-04	98	94	100	100	100	85
GL182-071-05	100	94	100	100	100	83
GL182-071-06	98	99	100	99	100	88
GL182-072-01	100	90	81	81	98	79
GL182-073-02	100	96	99	99	100	98
GL182-073-03	100	98	99	100	100	100
GL182-075-02	100	79	95	98		
GL182-075-03	100	100	100	96	100	99
GL182-076-01	100	98	100	99	100	63
GL182-076-02	100	97	100	100	90	77
GL182-077-01	100	88	100	100	98	88
GL182-077-02	100	88	99	97	100	81
GL182-079-01	100	95	98	98	100	93
GL182-080-01	100	100	100	100	100	85
GL182-080-02	100	100	100	100	100	85
GL182-083-02	79	100	100	100	100	92
GL182-083-05	51	100	96	100	100	8
GL182-083-07	55	100	97	100	100	63
GL182-083-10	83	100	94	100	100	3
GL182-085-01	100	100	100	100	100	100
GL182-085-02	100	100	100	100	100	100
GL182-086-01	98	99	97	100	100	94
GL182-086-02	98	93	93	99	98	97
GL182-087-01	93	90	100	95	100	84
GL182-089-01	100	95	100	100	100	99
GL182-090-03	99	68	89	99	100	88
GL182-091-01	100	98	99	99	96	73
GL182-093-01	99	94	98	98	100	100
GL182-094-02	100	93	98	100	94	95