




Test Monitoring Center

Carnegie Mellon University
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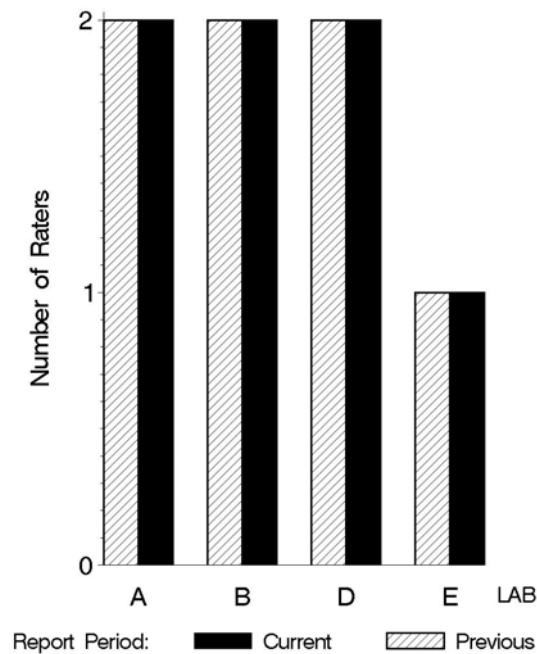
<http://astmtmc.cmu.edu>
412-365-1000

MEMORANDUM: 11-063
 DATE: December 8, 2011
 TO: Galen Greene, Chairman, L-37 Surveillance Panel
 FROM: Scott Parke 
 SUBJECT: L-37 Rater Calibration from April 1, 2010 through September 30, 2010

The following is a summary of L-37 rater calibration activity from April 1, 2010 through September 30, 2010.

	Reporting Data	Calibrated on 9-30-2010
Number of Raters	7	7

BY-LAB RATER DISTRIBUTION

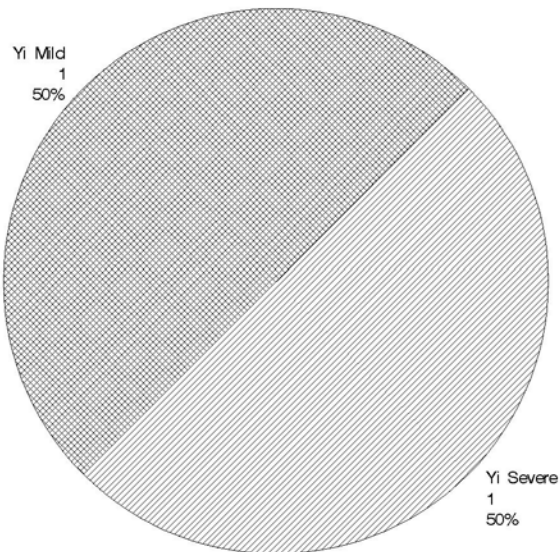


Test Distribution by Oil and Validity

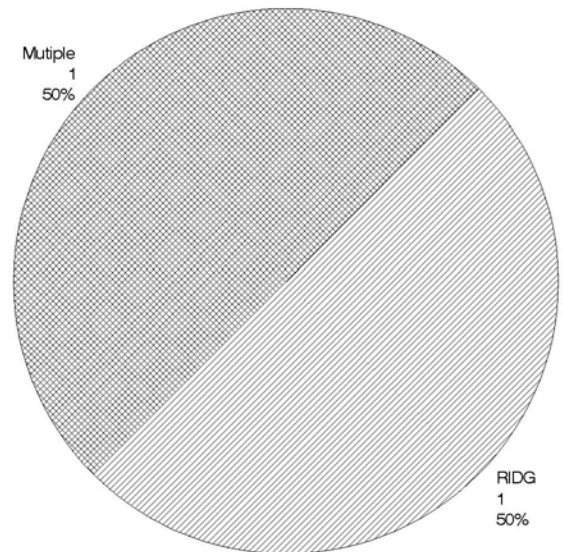
		Totals	
		Last Period	This Period
Accepted for calibration	AC	7	7
Rejected (mild)	OC	0	1
Rejected (severe)	OC	0	1
Rejected (multiple)	OC	0	0
Workshop data	AG	18	15
Total		25	24

CAUSE OF REJECTED TESTS

DISTRIBUTION OF FAILING TESTS
(By Alarm Type)

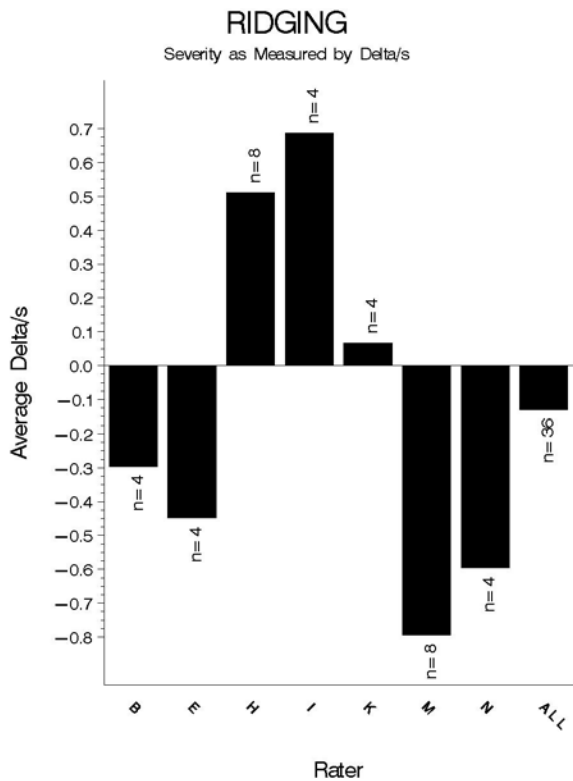


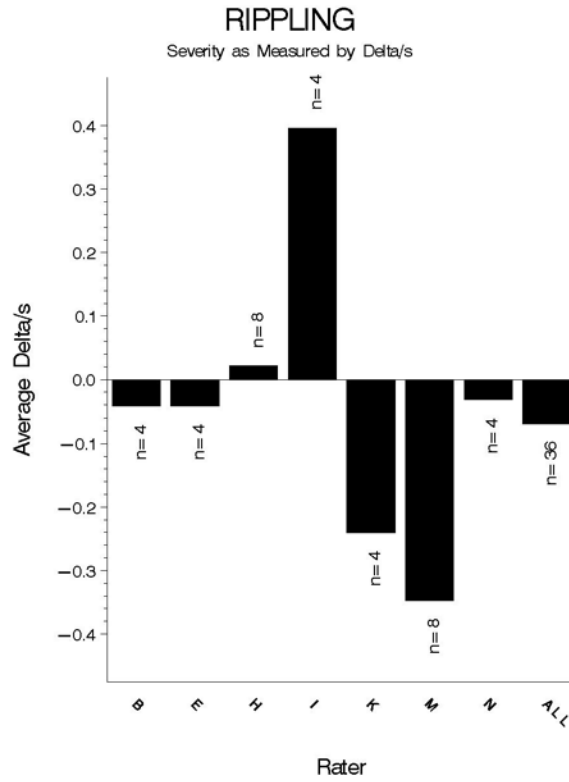
DISTRIBUTION OF FAILING TESTS
(By Test Parameter)



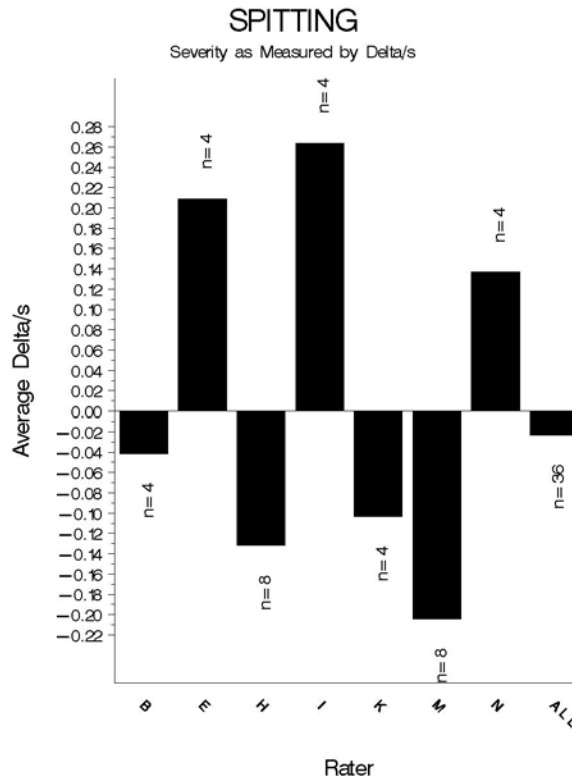
Rater	N	Ridging		Rippling		Spitting		Wear	
		Avg Yi	STD*	Avg Yi	STD*	Avg Yi	STD*	Avg Yi	STD*
B	4	-0.294	0.450	-0.041	0.290	-0.041	0.342	-0.040	0.549
E	4	-0.447	0.710	-0.041	0.773	0.208	0.359	0.054	0.628
H	8	0.510	1.144	0.020	0.528	-0.131	0.299	-0.130	0.543
I	4	0.685	0.607	0.395	1.148	0.263	0.269	0.405	0.435
K	4	0.065	0.639	-0.240	0.775	-0.103	0.120	-0.056	0.542
M	8	-0.792	0.222	-0.346	1.174	-0.203	1.440	0.486	0.505
N	4	-0.594	1.148	-0.031	0.229	0.136	0.172	0.198	0.500
ALL	36	-0.128	0.908	-0.068	0.779	-0.023	0.702	0.142	0.542

* Due to the small number of ratings per pinion, the standard deviation of the Yi values is given in place of a pooled standard deviation.

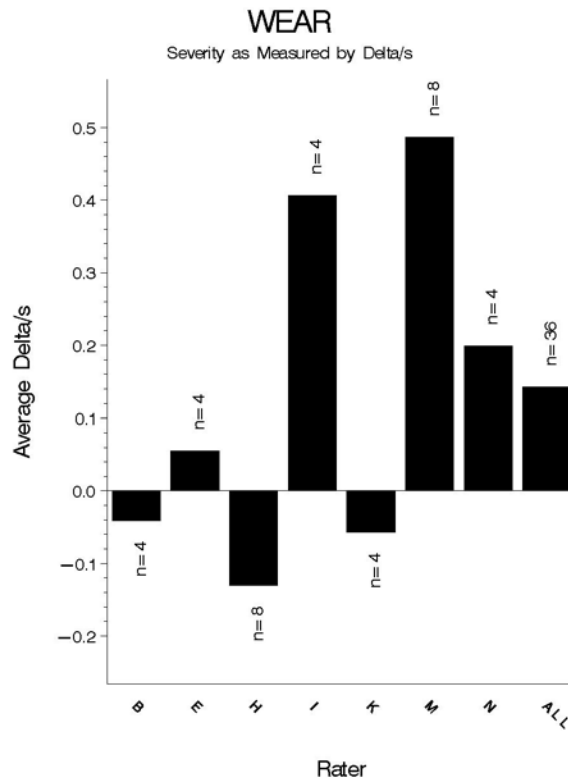




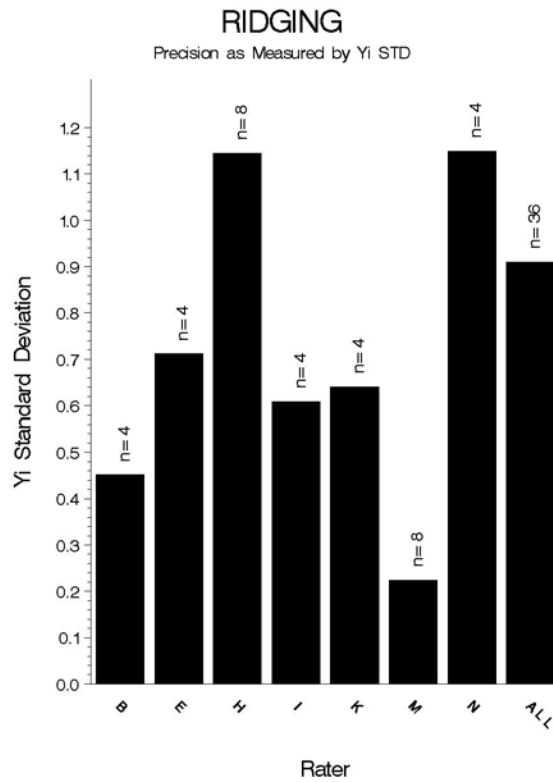
16:36:10 07DEC2011



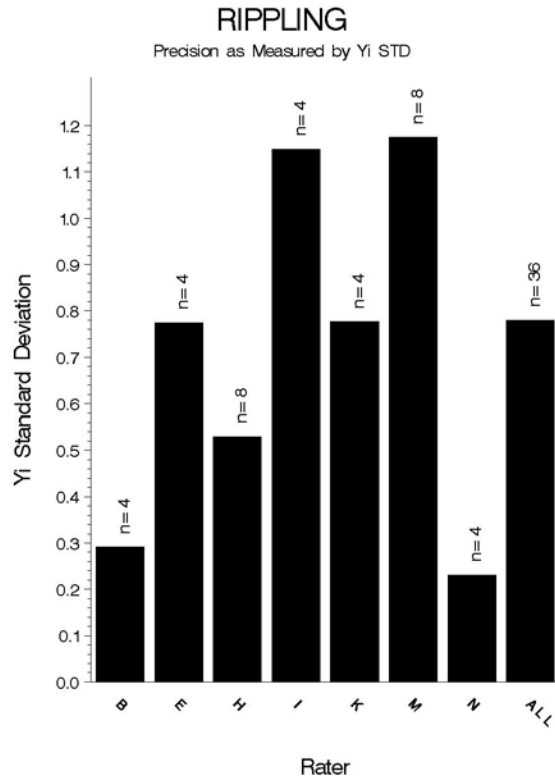
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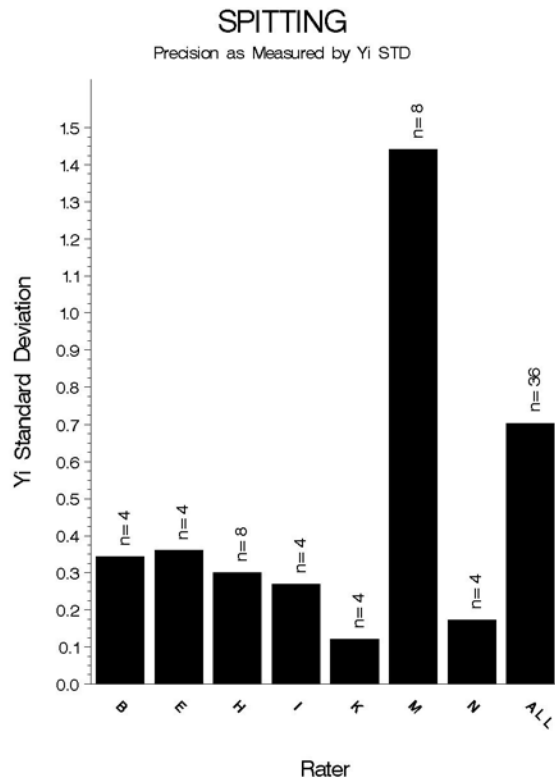
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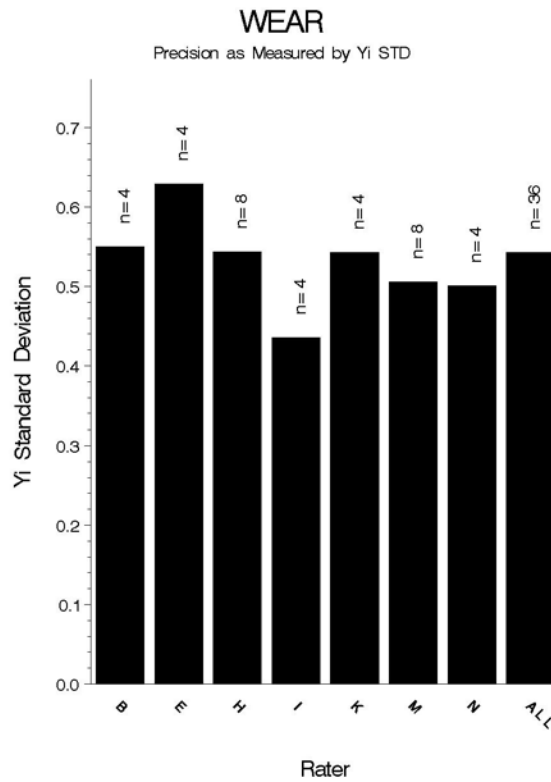
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INDUSTRY CONTROL CHARTS:

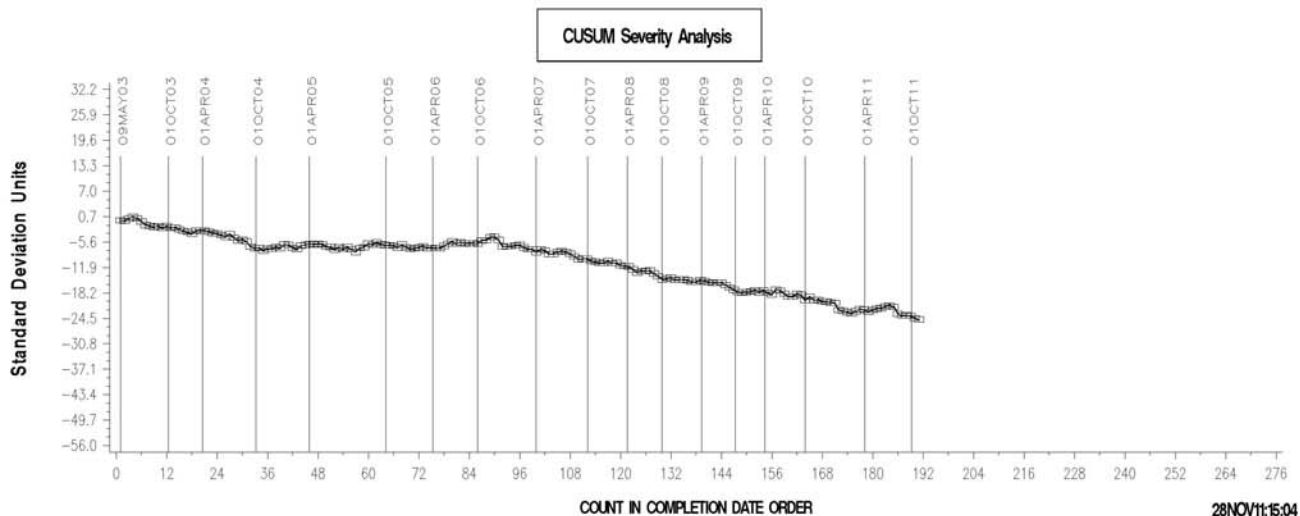
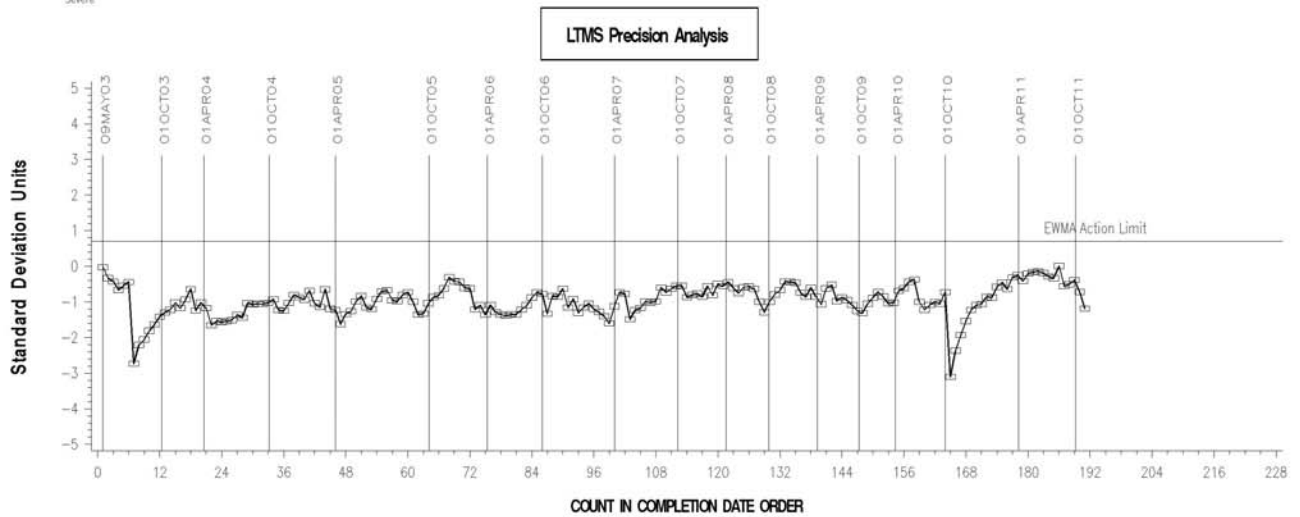
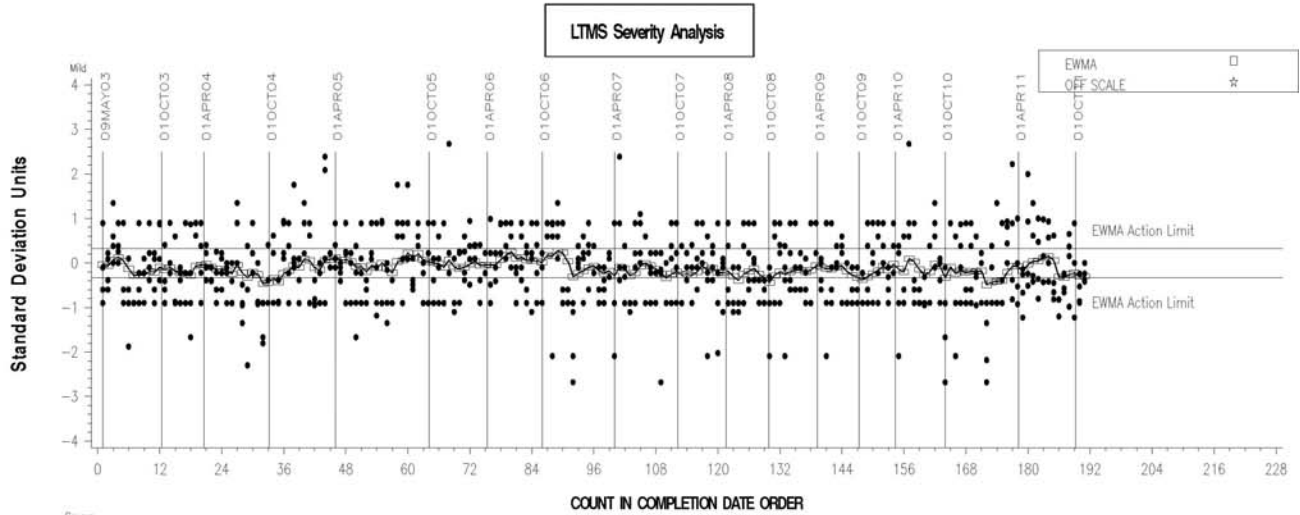
The industry control charts are shown beginning on the following page.

Performance for RIPP, RIDG, SPIT and WEAR remained within severity and precision limits throughout this report period.

L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



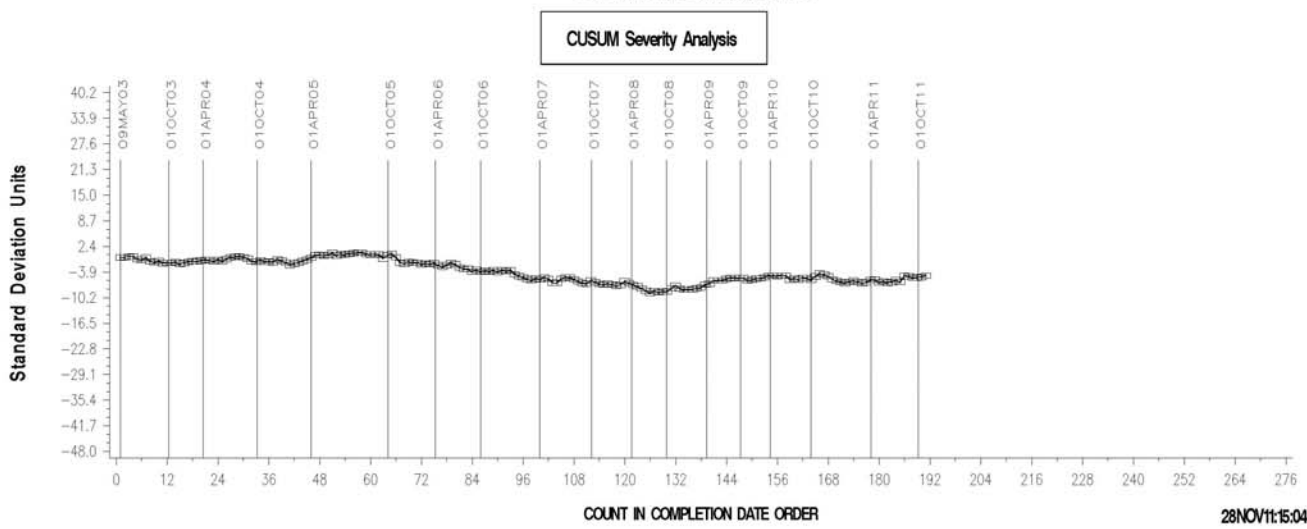
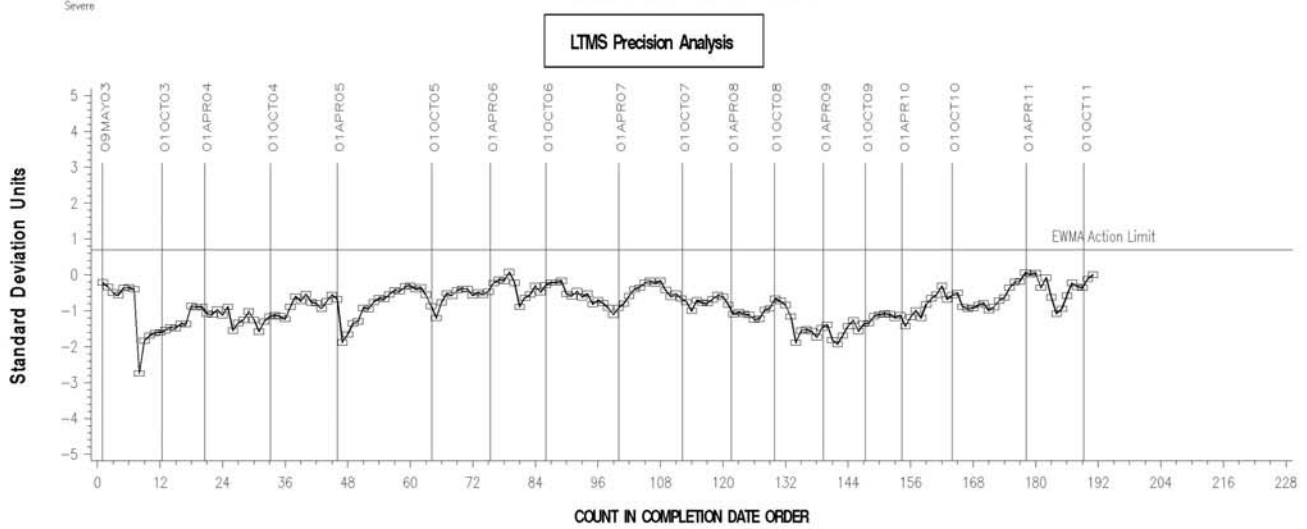
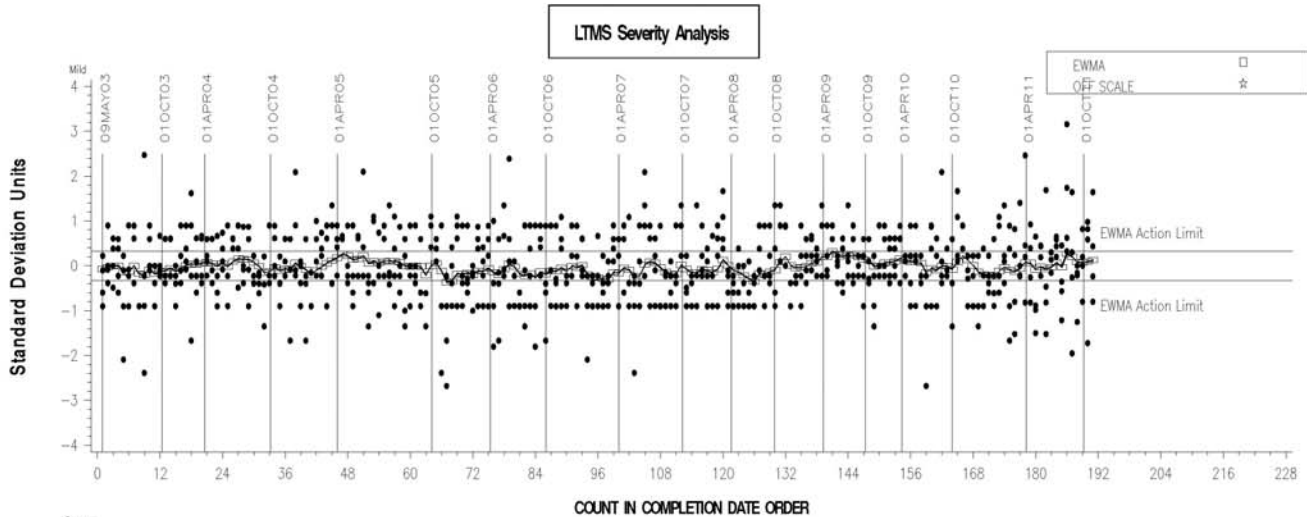
RIDGING



L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



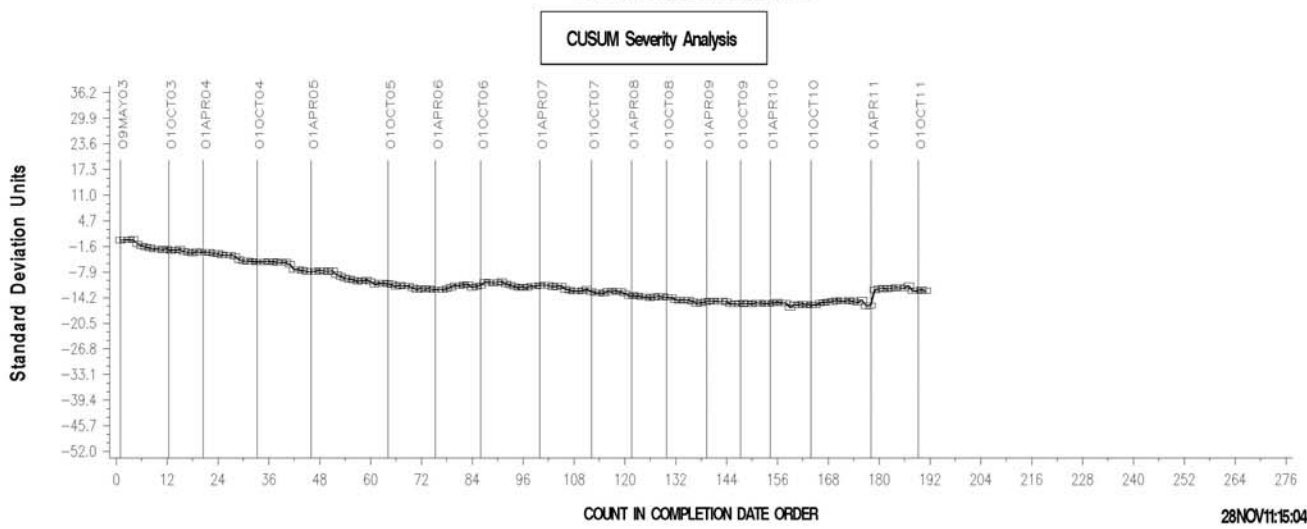
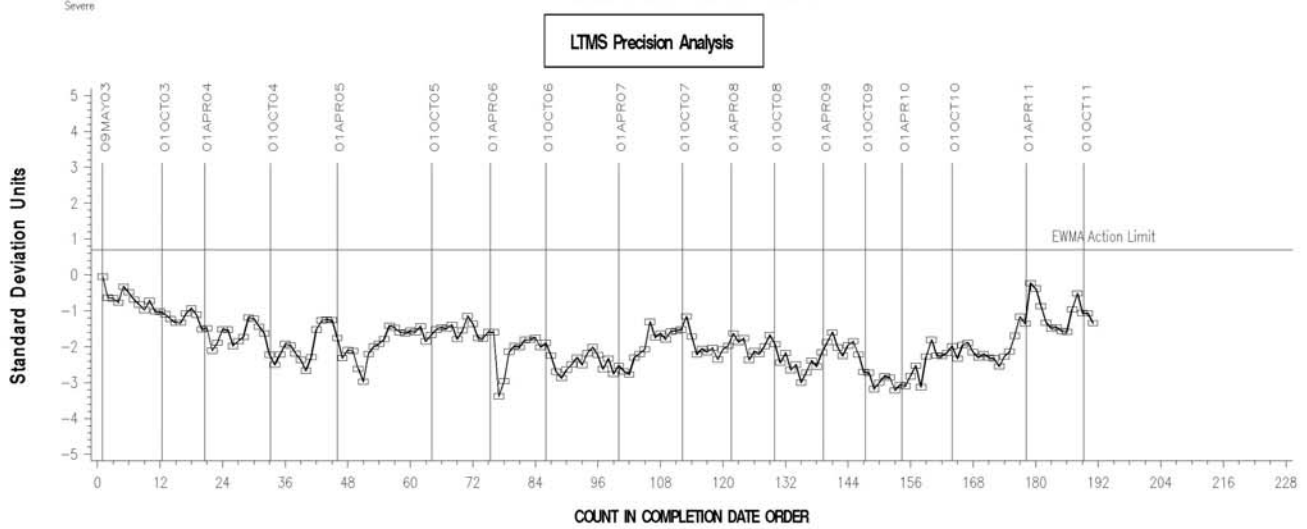
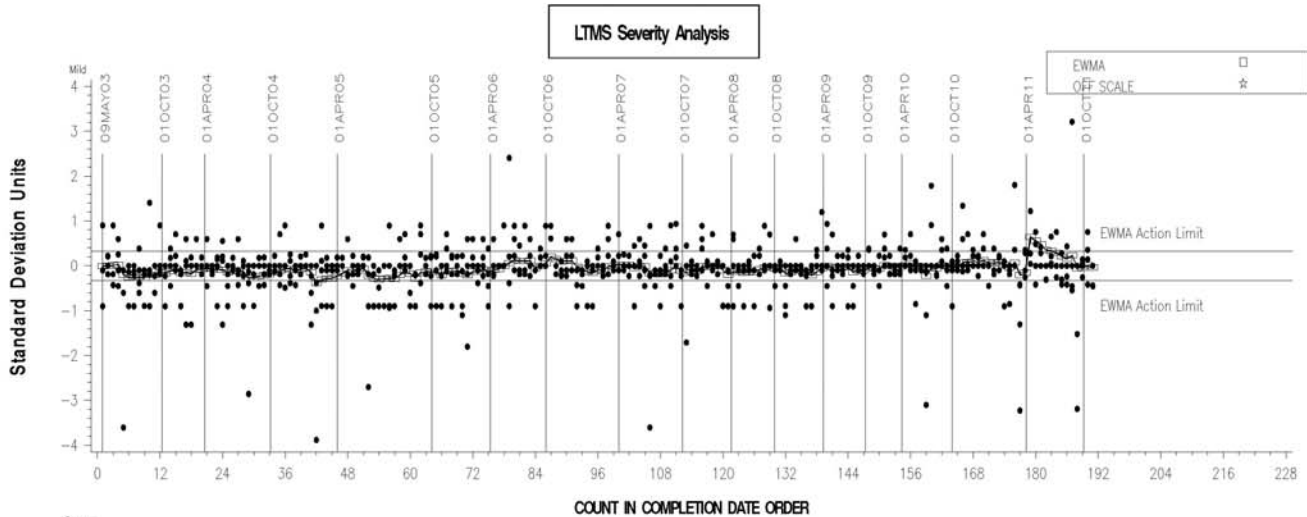
RIPPLING



L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



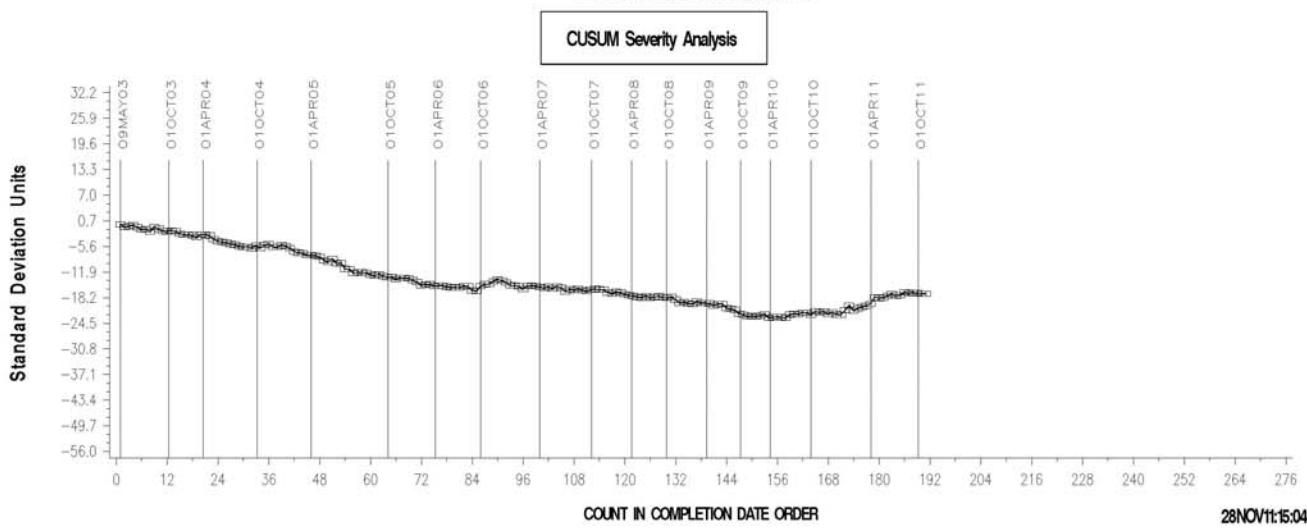
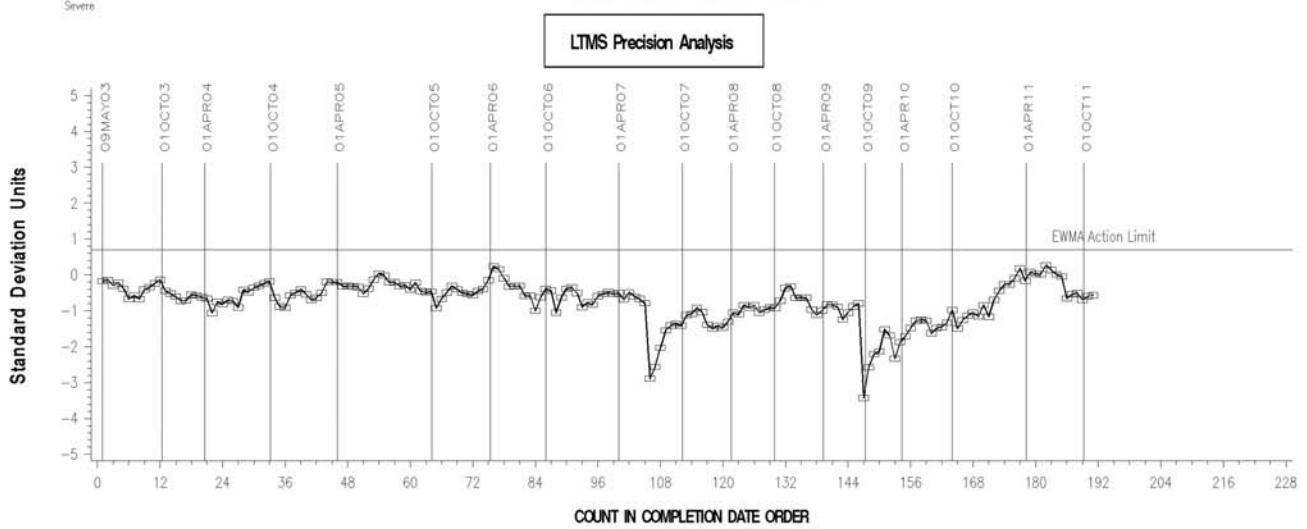
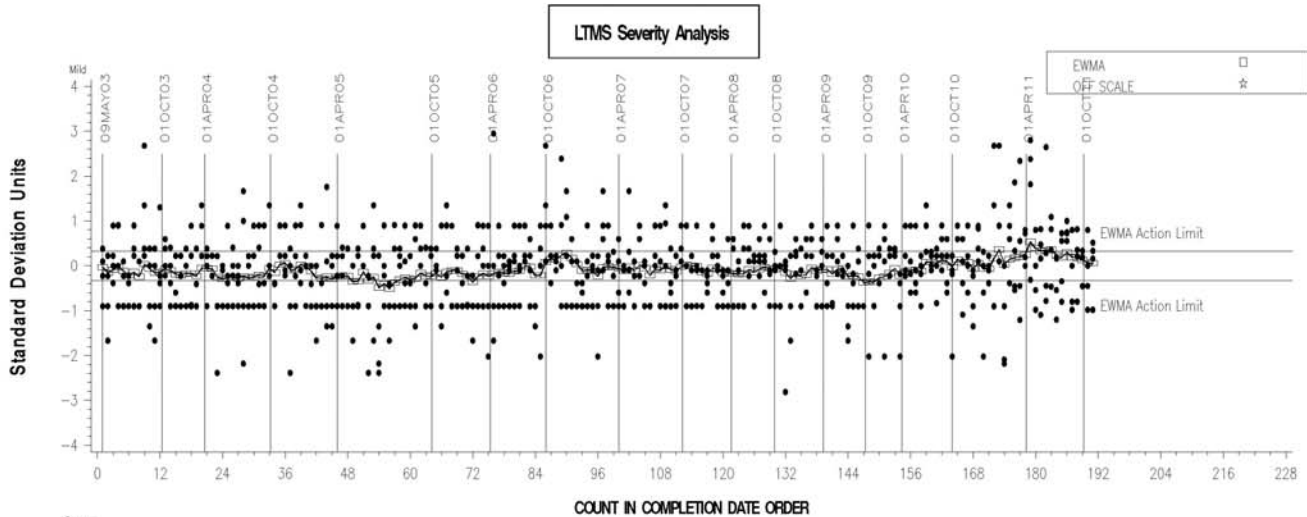
SPITTING



L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



WEAR



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cc: Frank Farber

Jeff Clark

L37 Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/gears/l37rc/semiannualreports/l37rc-10-2010.pdf>

Distribution: email