




# Test Monitoring Center

Carnegie Mellon University  
6555 Penn Avenue, Pittsburgh, PA 15206, USA

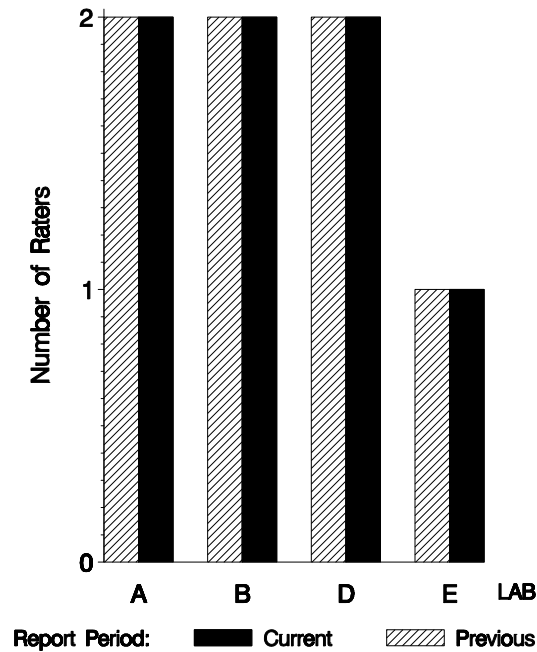
<http://astmtmc.cmu.edu>  
412-365-1000

MEMORANDUM: 10-036  
 DATE: August 27, 2010  
 TO: Galen Greene, Chairman, L-37 Surveillance Panel  
 FROM: Scott Parke   
 SUBJECT: L-37 Rater Calibration from October 1, 2009 through March 31, 2010

The following is a summary of L-37 rater calibration activity from October 1, 2009 through March 31, 2010.

	Reporting Data	Calibrated on 3-31-2010
Number of Raters	7	7

## BY-LAB RATER DISTRIBUTION

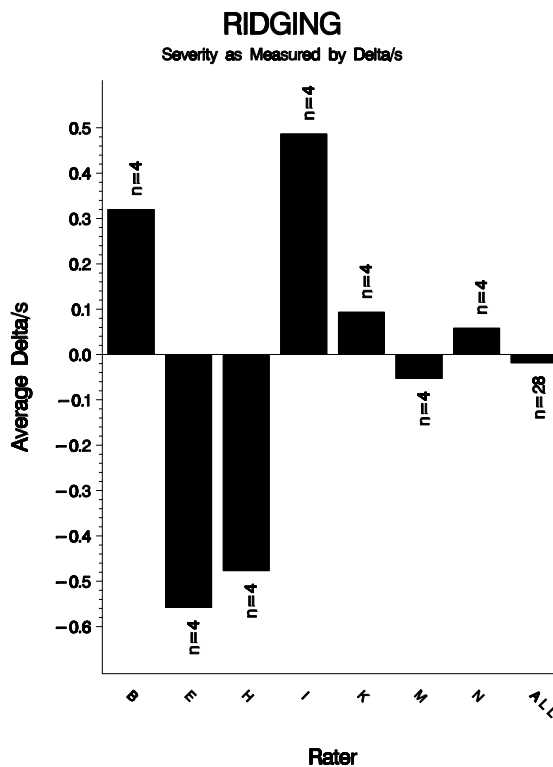


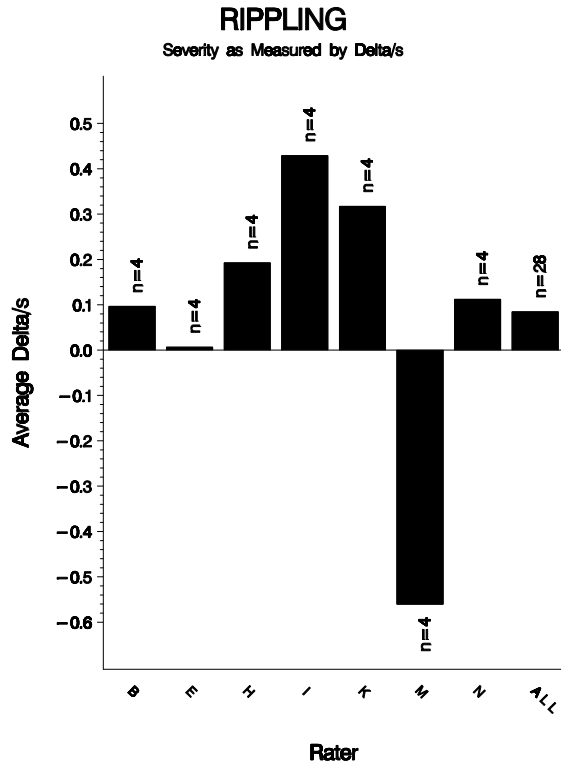
**Test Distribution by Oil and Validity**

		Totals	
		Last Period	This Period
Accepted for calibration	AC	7	7
Rejected (mild)	OC	0	0
Rejected (severe)	OC	1	0
Workshop data	AG	24	18
<b>Total</b>		<b>32</b>	<b>25</b>

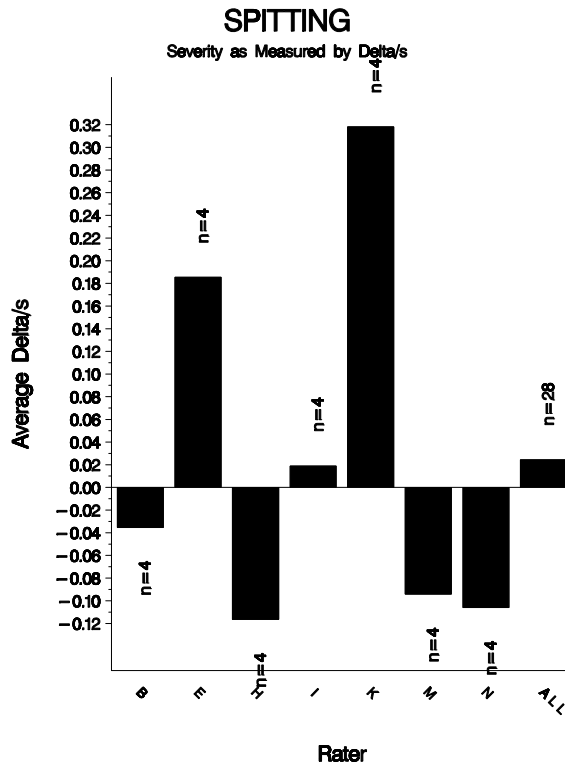
Rater	N	Ridging		Rippling		Spitting		Wear	
		Avg Yi	STD*	Avg Yi	STD*	Avg Yi	STD*	Avg Yi	STD*
B	4	0.320	0.424	0.096	0.476	-0.035	0.194	0.152	0.262
E	4	-0.558	0.389	0.007	0.446	0.185	0.214	-0.271	1.249
H	4	-0.477	0.347	0.192	0.375	-0.116	0.087	0.327	0.076
I	4	0.486	0.531	0.429	0.559	0.019	0.256	-0.871	0.825
K	4	0.093	0.813	0.317	0.519	0.318	0.299	-0.108	1.317
M	4	-0.053	0.837	-0.560	0.698	-0.094	0.073	-0.391	0.589
N	4	0.058	0.740	0.112	0.534	-0.106	0.275	0.112	0.340
ALL	28	-0.019	0.652	0.085	0.551	0.024	0.247	-0.150	0.804

\* 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.

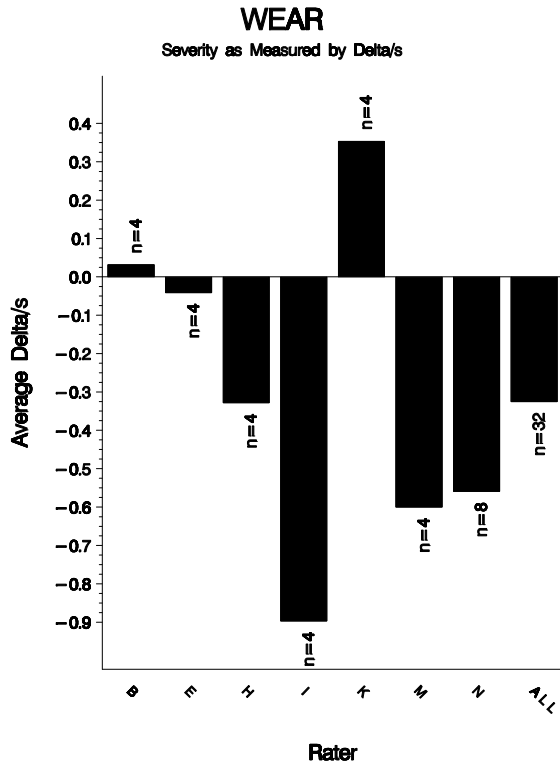




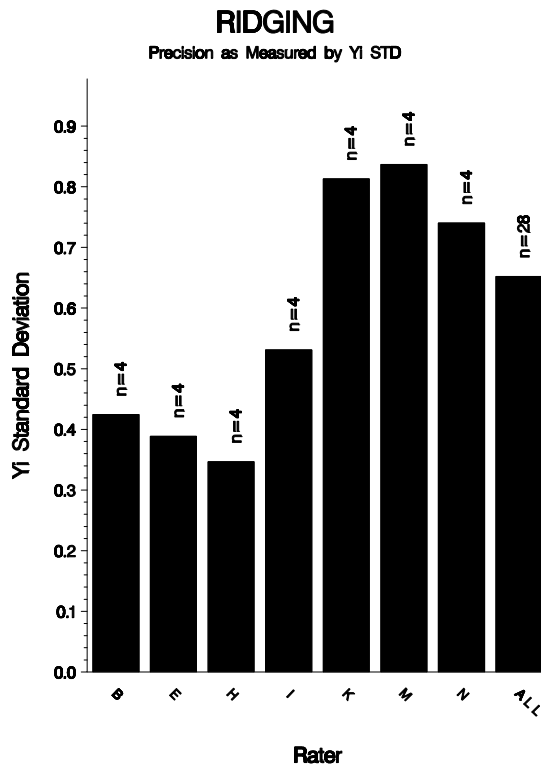
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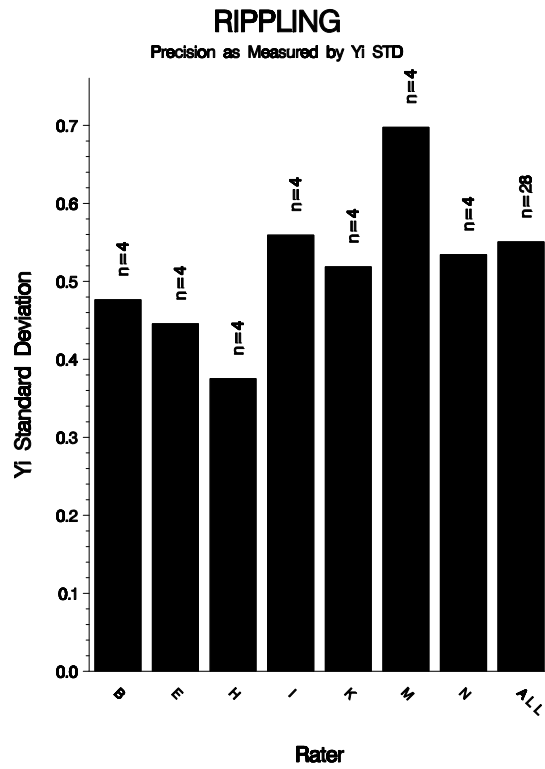
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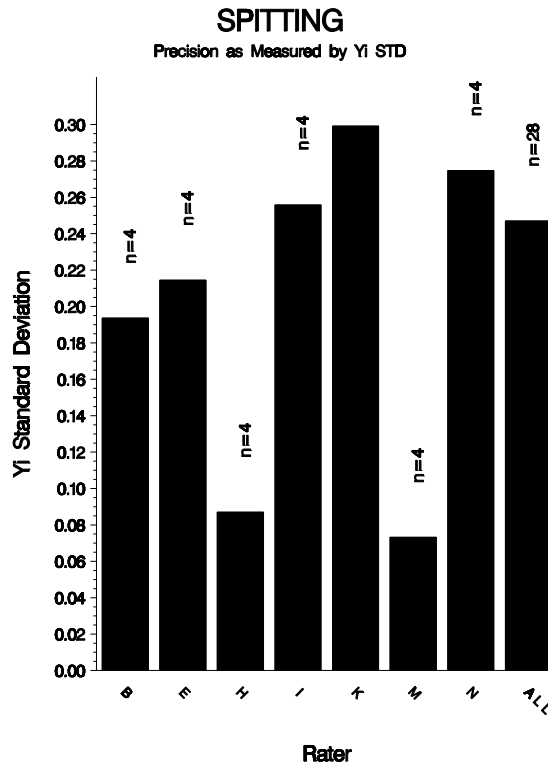
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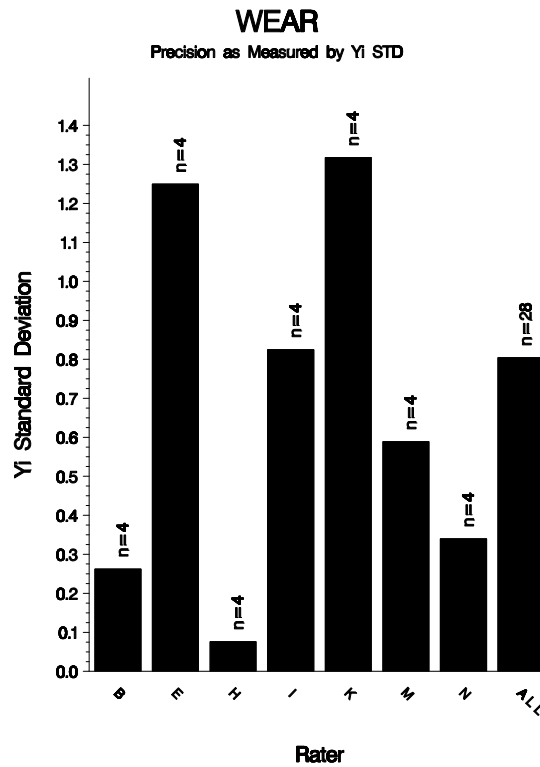
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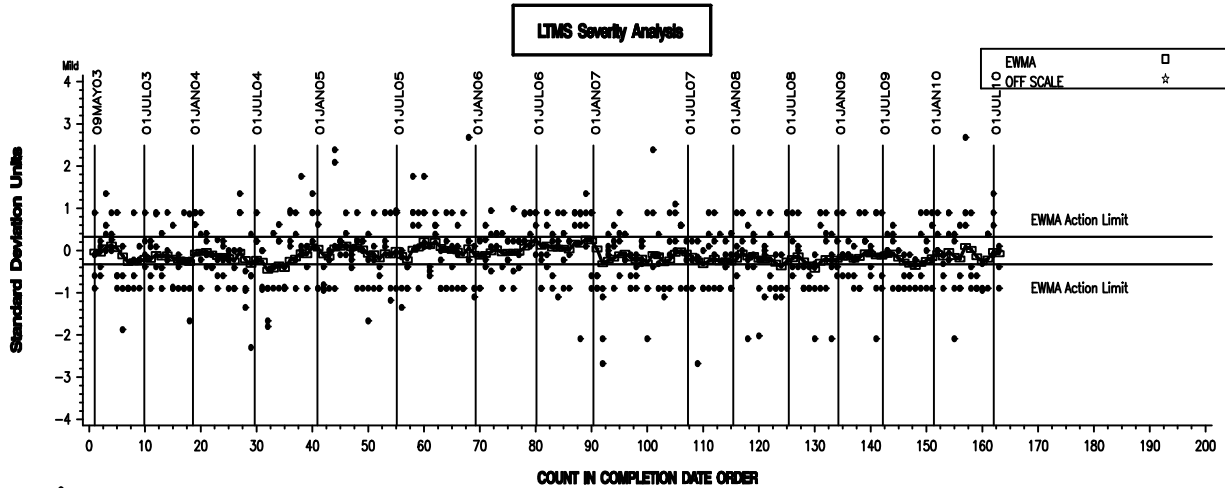
INDUSTRY CONTROL CHARTS:

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

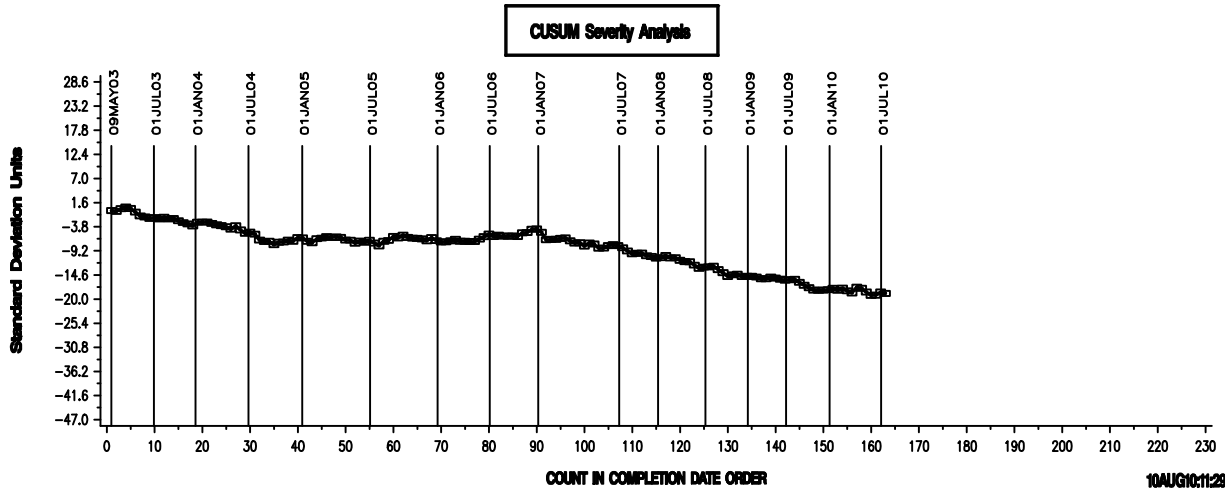
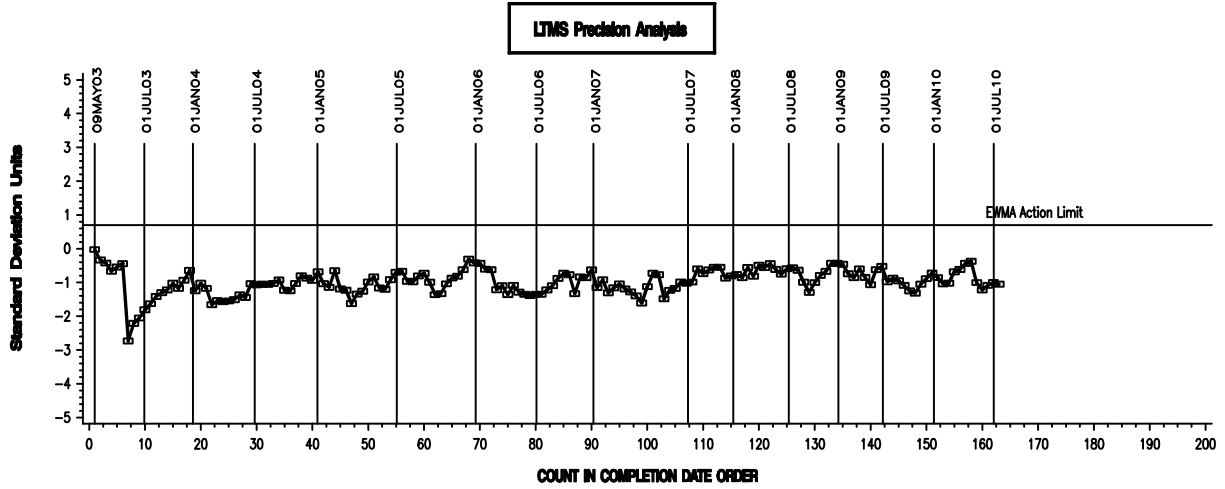
During this report period, RIDG, RIPP, SPIT, and WEAR all remained within both severity and precision control limits.

### L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA

#### RIDGING

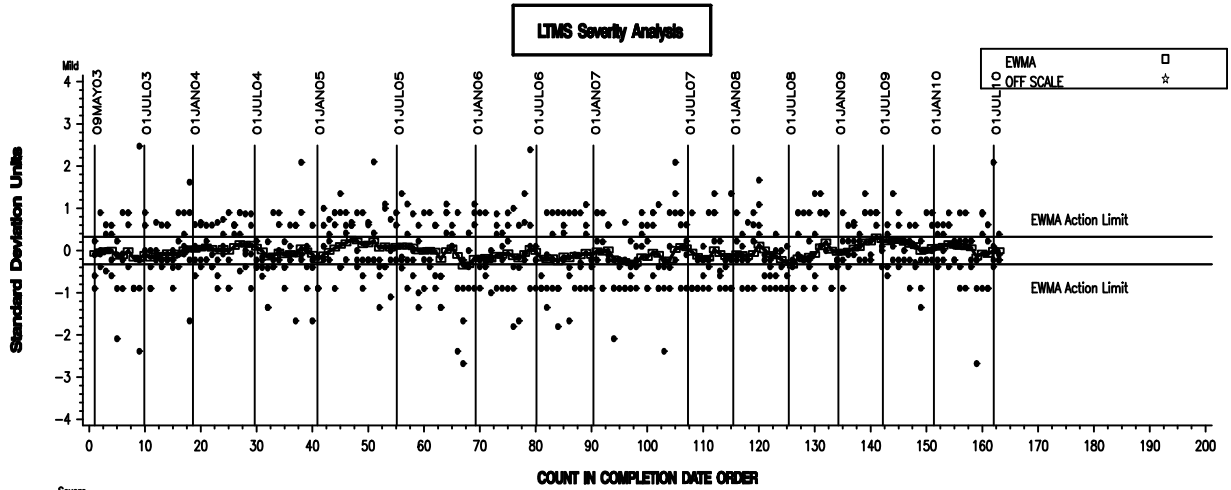


Severe

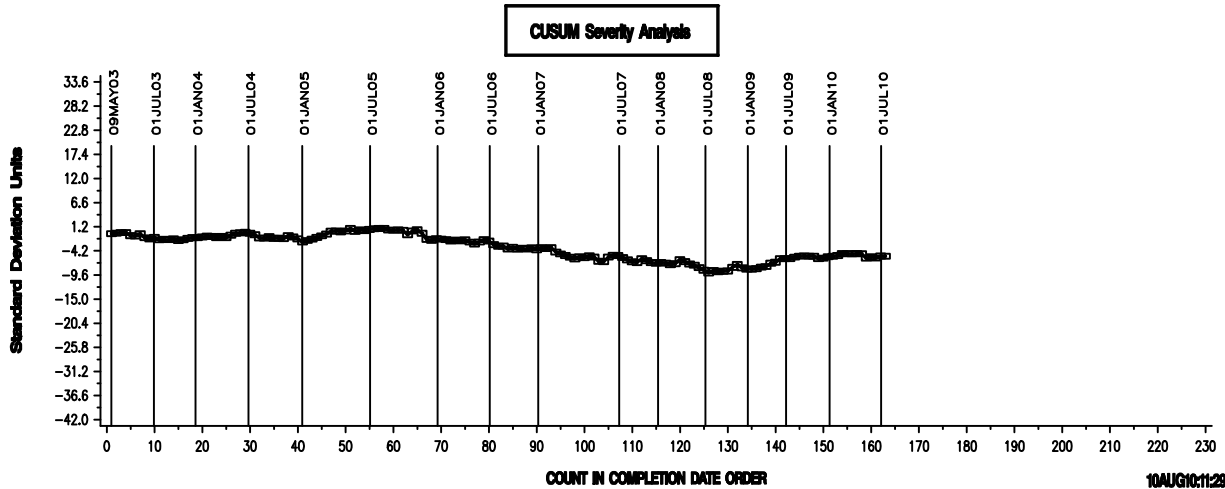
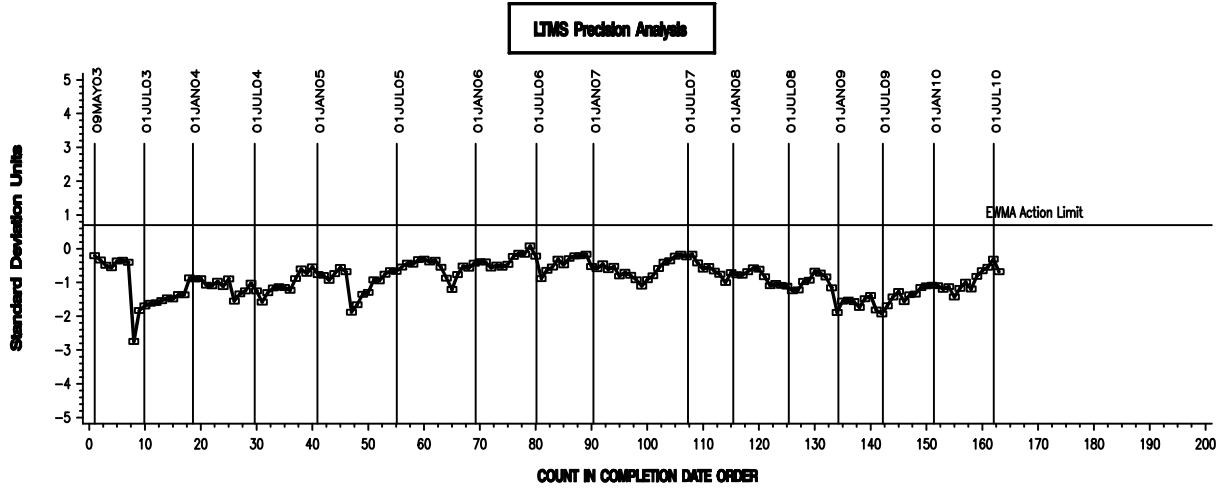


### L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA

#### RIPPLING



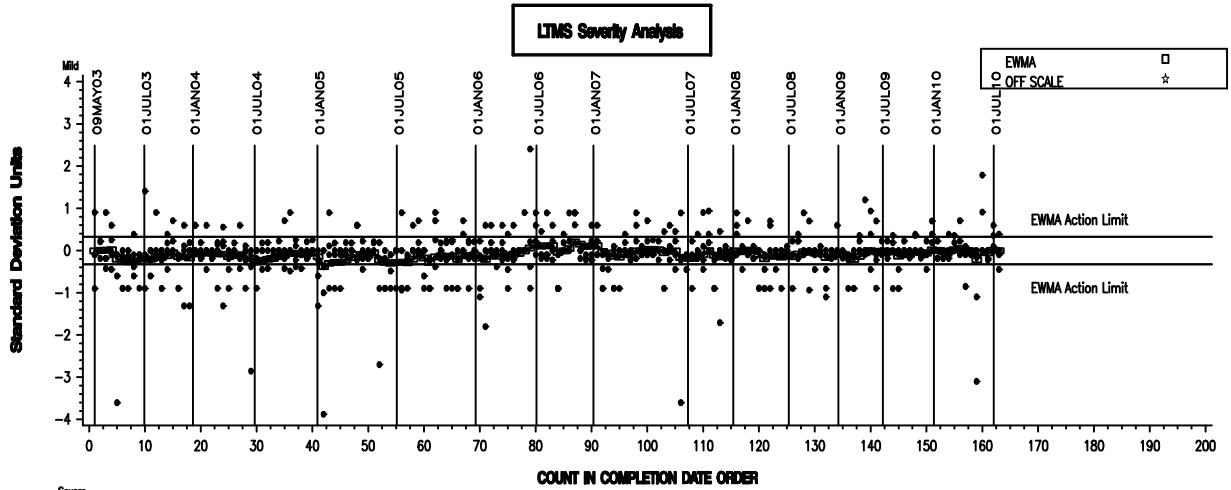
Severe



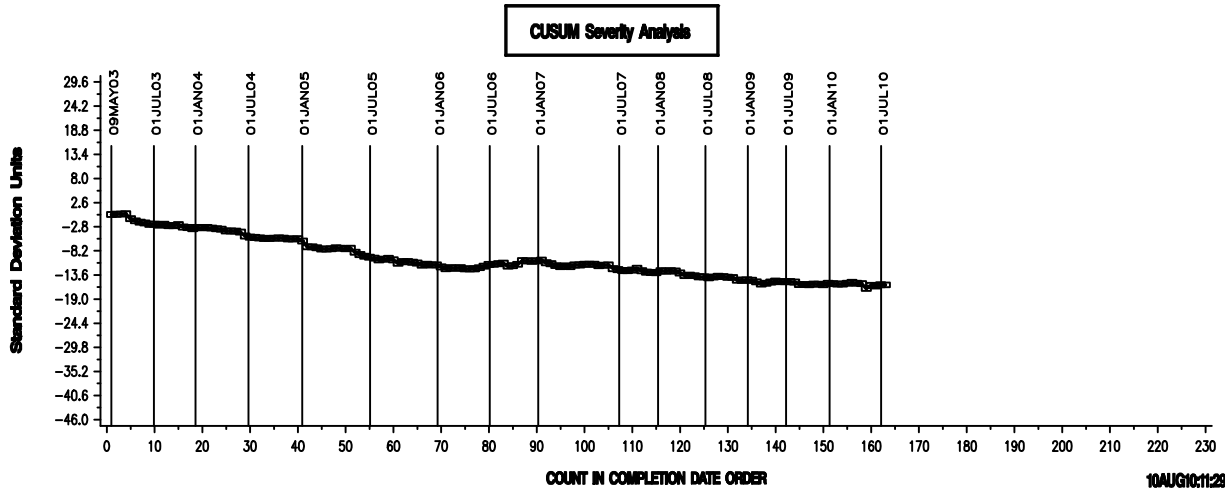
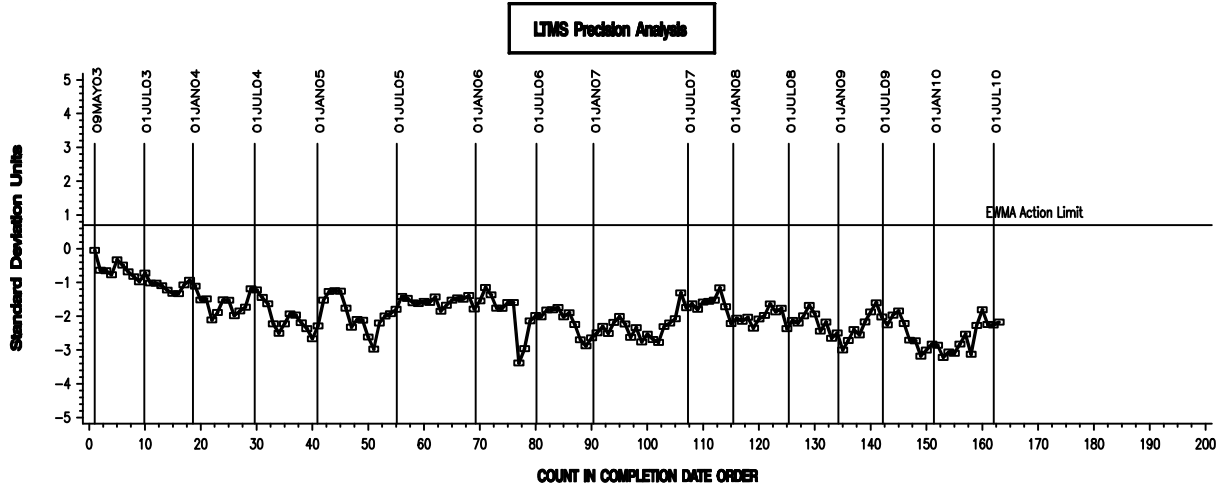


**L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA**

**SPITTING**

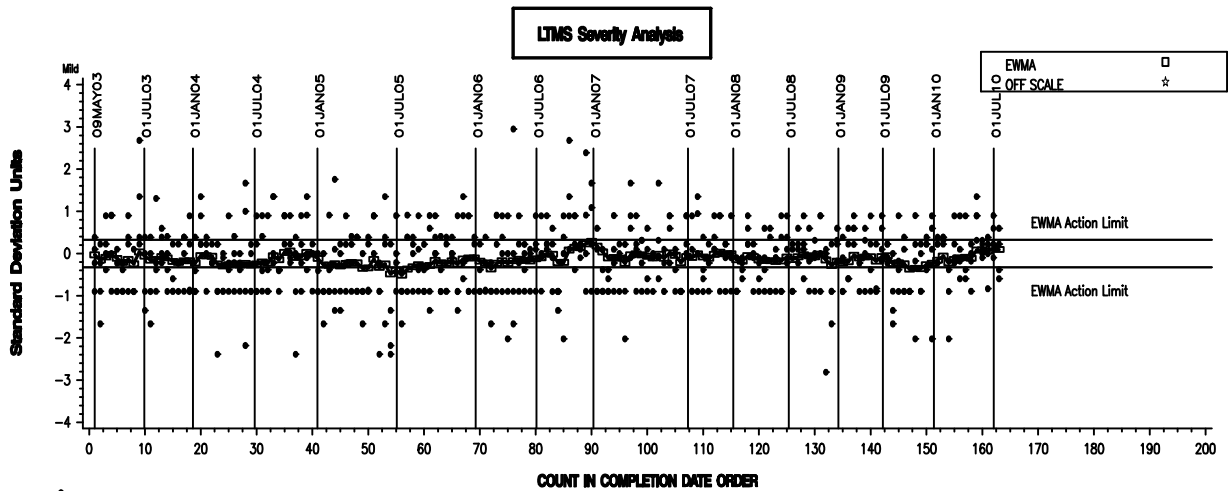


Severe

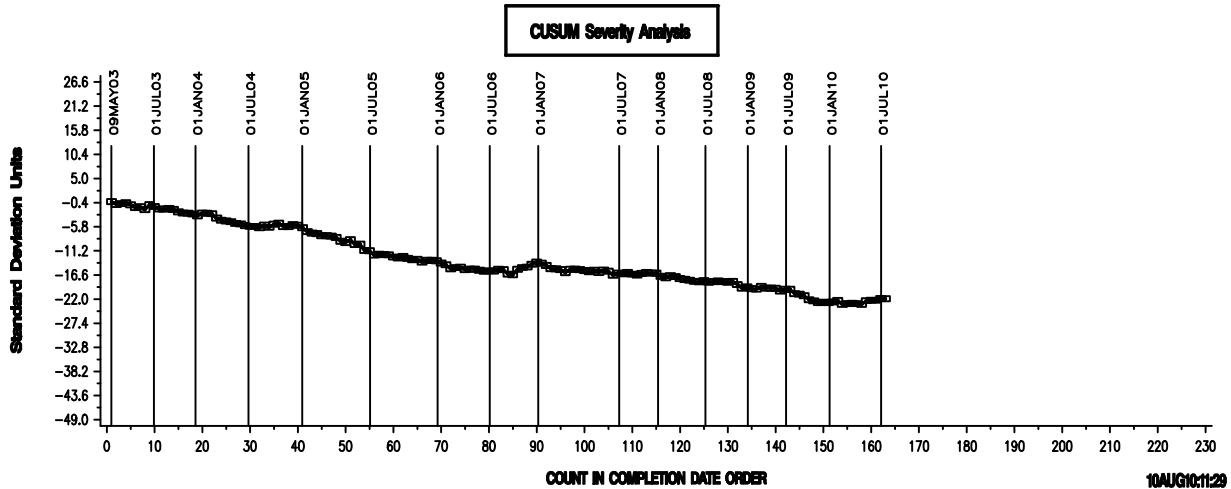
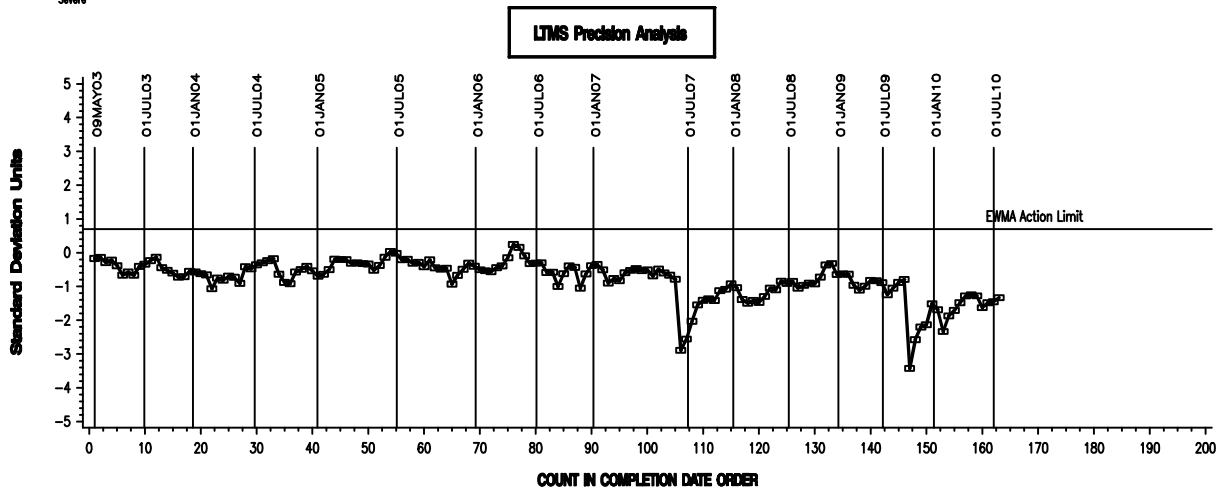


**L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA**

**WEAR**



Severe



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SDP/sdp/astm0410.doc/mem10-036.sdp.doc

c: Frank Farber

Jeff Clark

Don Lind

L37 Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/gears/l37rc/semiannualreports/l37rc-04-2010.pdf>

Distribution: email