



# Test Monitoring Center

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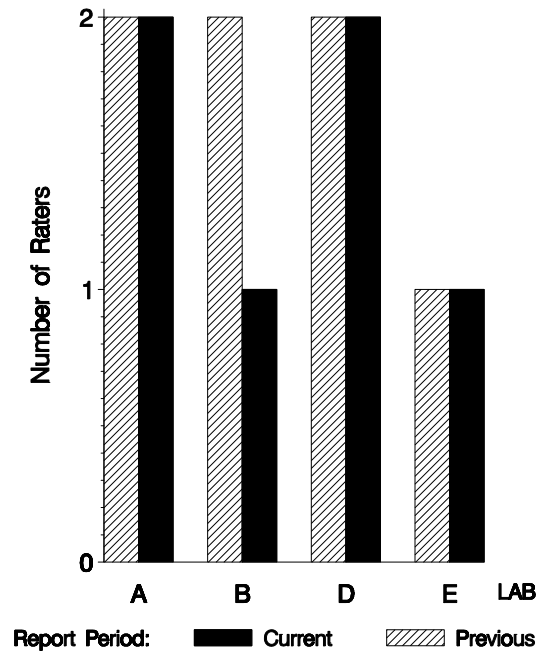
<http://astmtmc.cmu.edu>  
412-365-1000

MEMORANDUM: 10-037  
 DATE: August 30, 2010  
 TO: Cory Koglin, Chairman, L-42 Surveillance Panel  
 FROM: Scott Parke *SP*  
 SUBJECT: L-42 Rater Calibration from October 1, 2009 through March 31, 2010

The following is a summary of L-42 rater calibration activity from October 1, 2009 through March 31, 2010.

	Reporting Data	Calibrated on 3-31-2010
Number of Raters	6	6

## BY-LAB RATER DISTRIBUTION

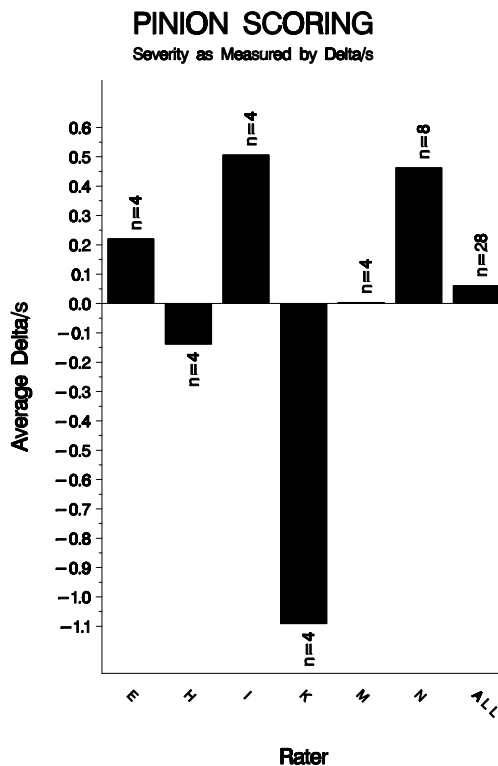


**Test Distribution by Oil and Validity**

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

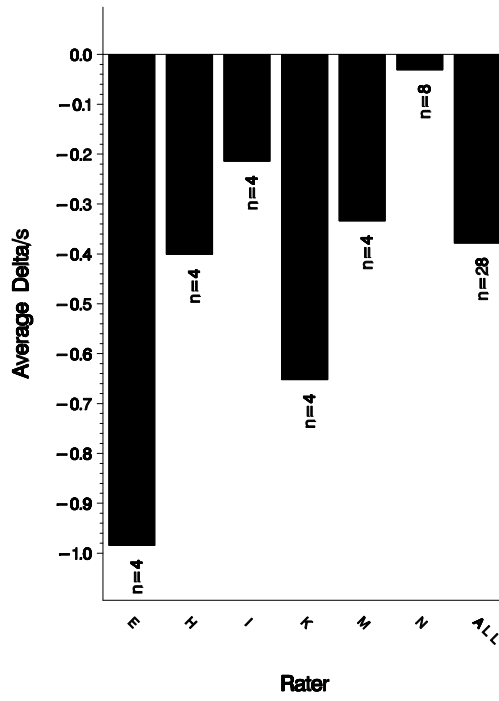
Rater	N	Pinion Scoring		Ring Scoring	
		Avg Yi	STD*	Avg Yi	STD*
E	4	0.220	0.623	-0.984	1.067
H	4	-0.138	0.840	-0.401	0.605
I	4	0.506	0.556	-0.214	0.837
K	4	-1.091	1.115	-0.652	1.035
M	4	0.003	0.848	-0.334	0.634
N	8	0.463	0.673	-0.031	0.666
ALL	28	0.061	0.880	-0.378	0.793

\* 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.



### RING SCORING

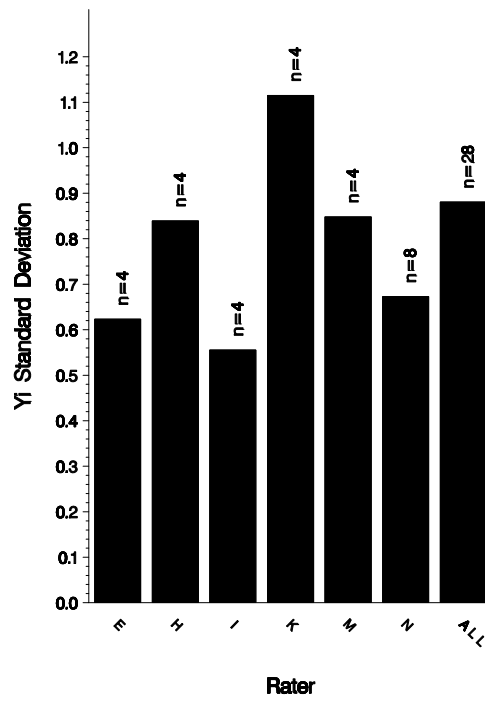
Severity as Measured by Delta/s



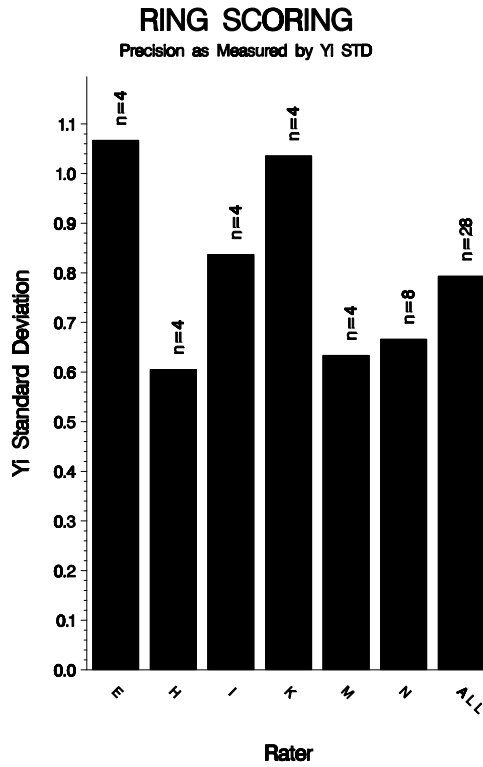
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### PINION SCORING

Precision as Measured by YI STD



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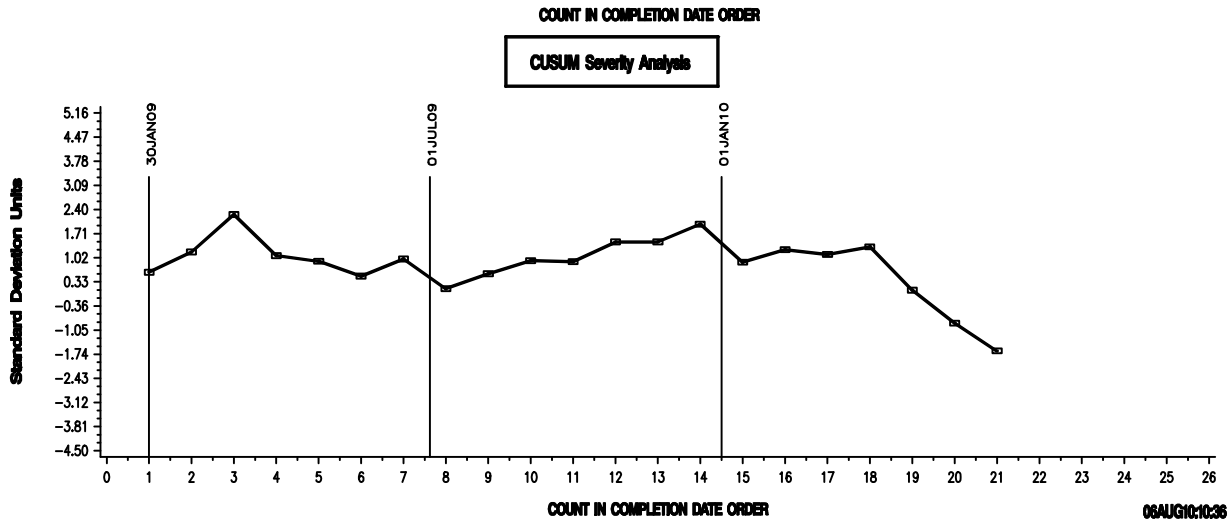
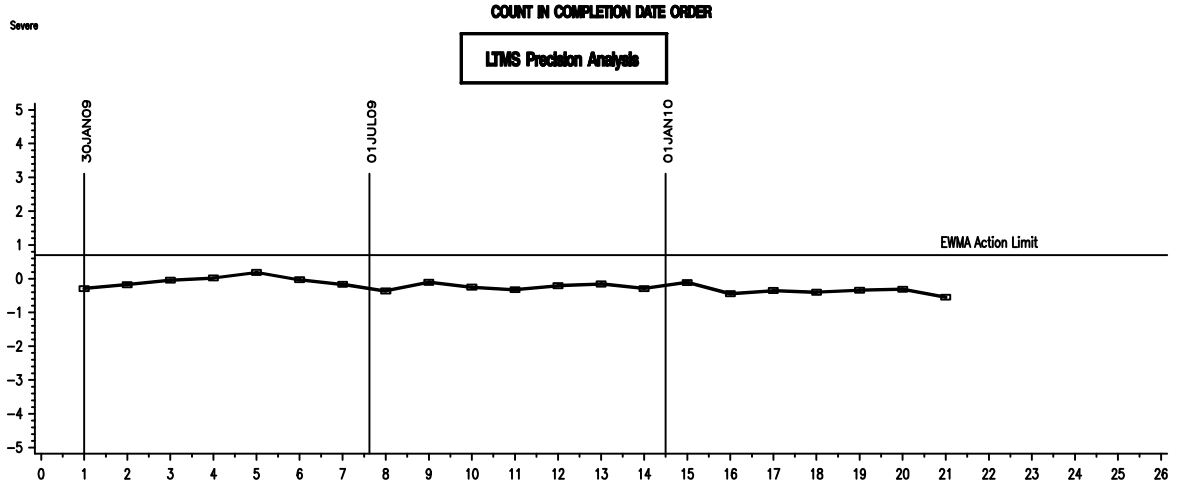
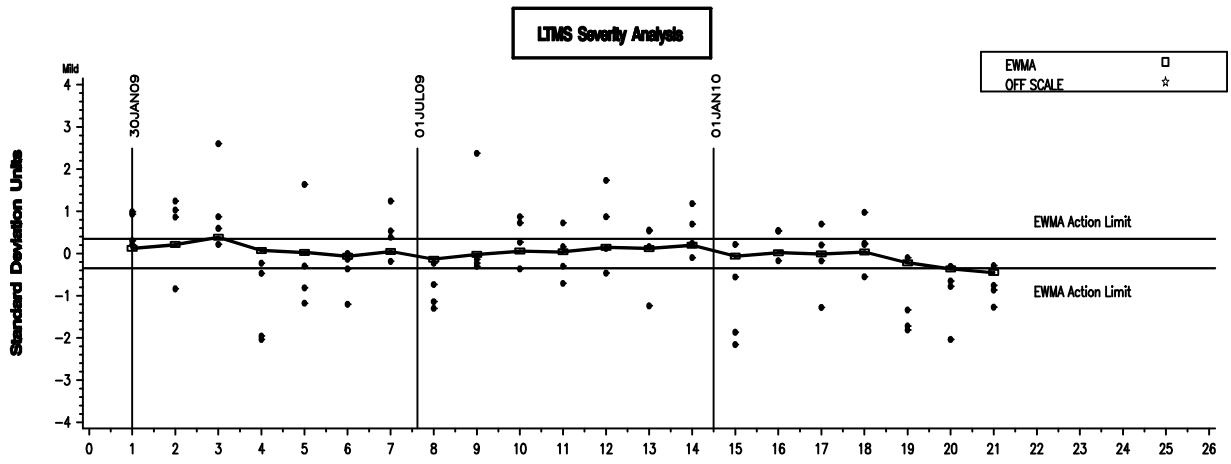
INDUSTRY CONTROL CHARTS:

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

As of the close of this report period, both PSCR and RSCR are exceeding the severe EWMA alarm limit. Precision for both parameters remains within control limits.

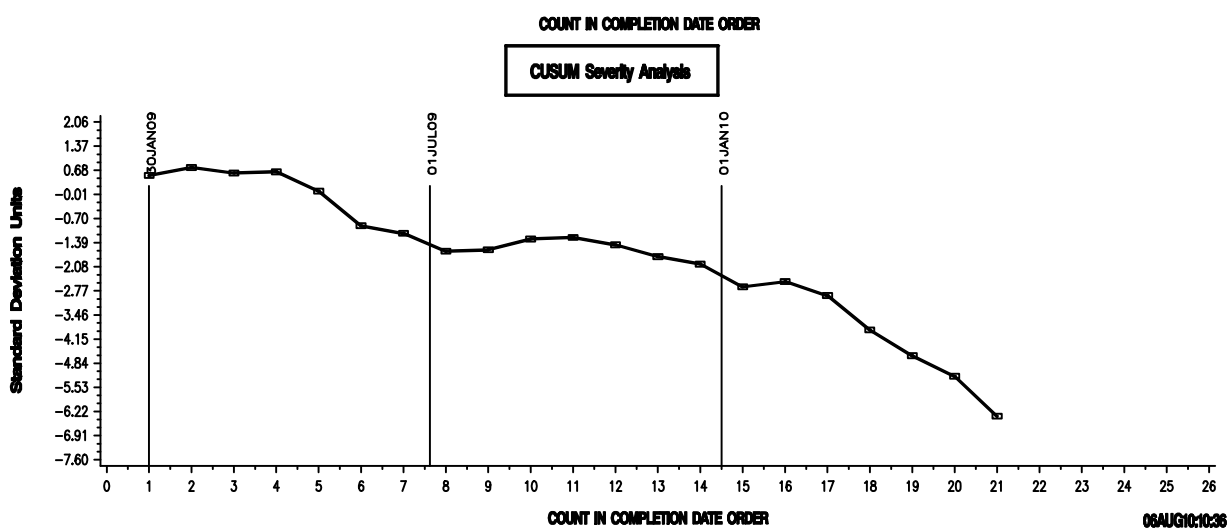
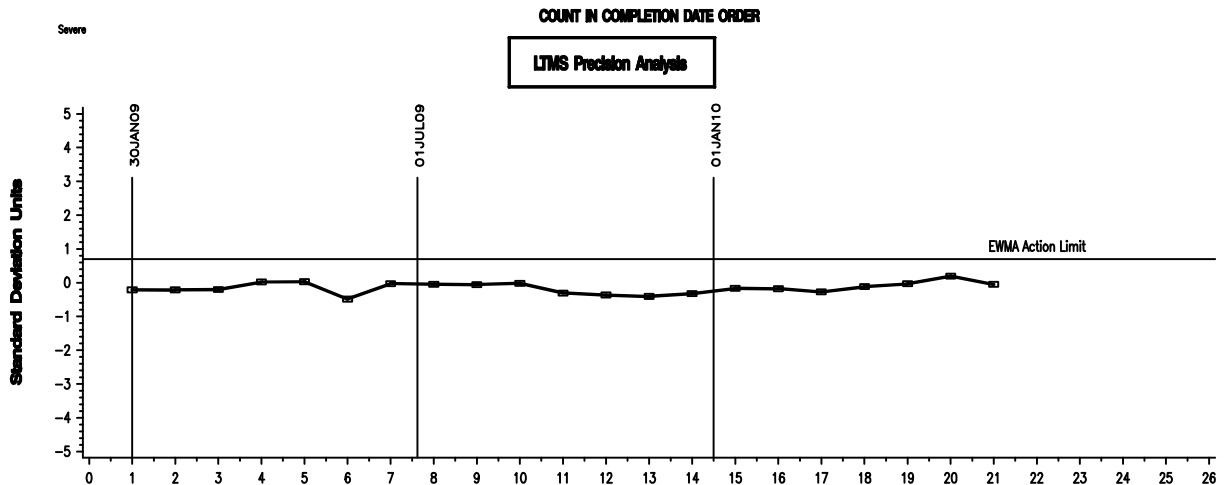
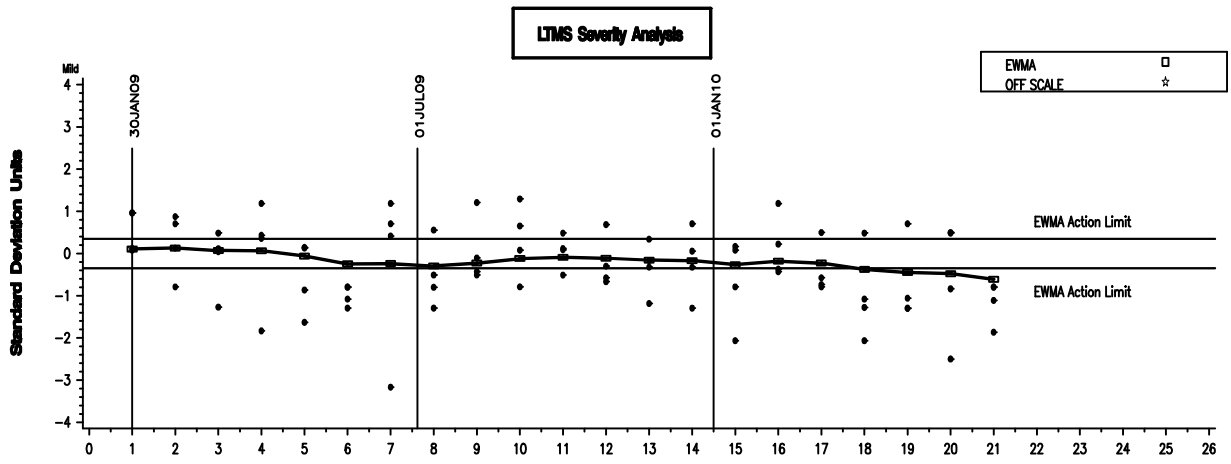
L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA

PINION SCORING



L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA

RING SCORING



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c: Frank Farber

Jeff Clark

Don Lind

L37 Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/gears/142rc/semiannualreports/142rc-04-2010.pdf>

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