




Test Monitoring Center

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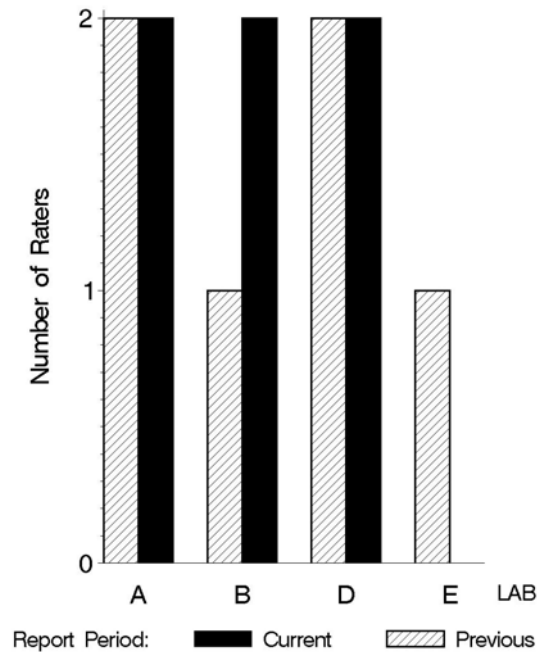
<http://astmtmc.cmu.edu>
412-365-1000

MEMORANDUM: 11-065
 DATE: December 13, 2011
 TO: Thomas D. Gottwald, Acting Chairman, L-42 Surveillance Panel
 FROM: Scott Parke 
 SUBJECT: L-42 Rater Calibration from April 1, 2010 through September 30, 2010

The following is a summary of L-42 rater calibration activity from April 1, 2010 through September 30, 2010.

	Reporting Data	Calibrated on 9-30-2010
Number of Raters	6	6

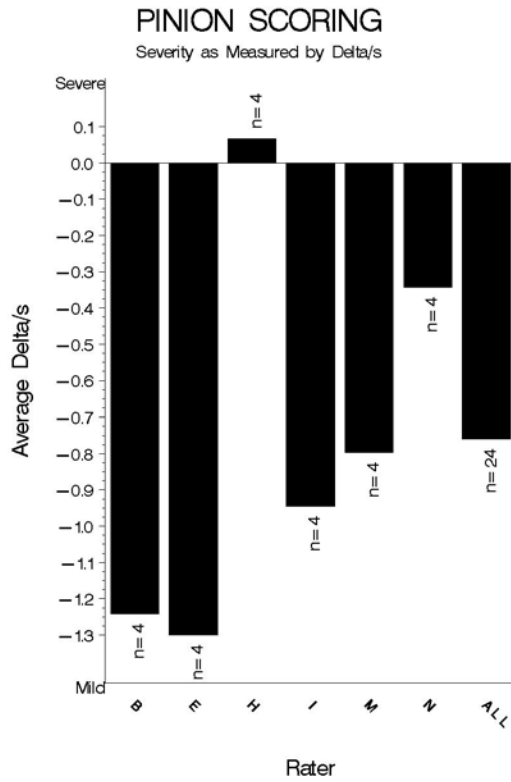
BY-LAB RATER DISTRIBUTION

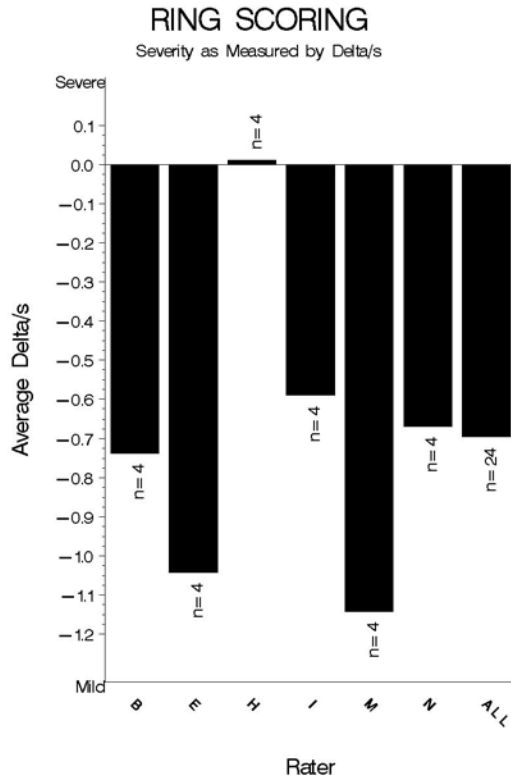


Test Distribution by Oil and Validity

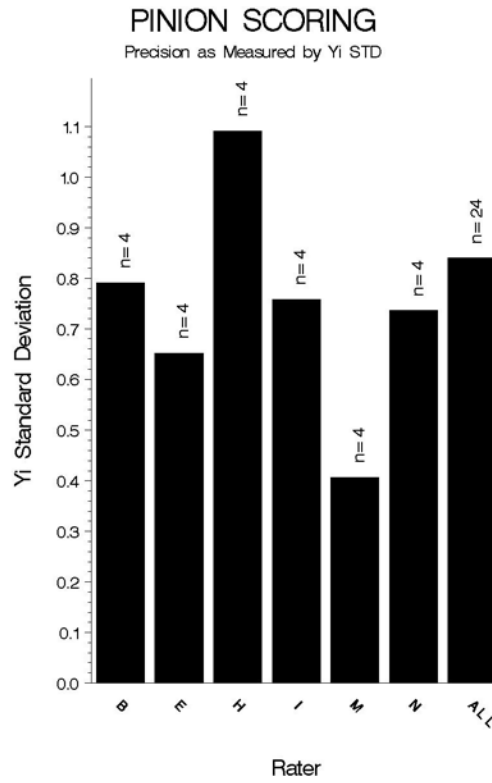
		Totals	
		Last Period	This Period
Accepted for calibration	AC	7	6
Rejected (mild)	OC	0	0
Rejected (severe)	OC	0	0
Rejected (multiple)	OC	0	0
Workshop data	AG	18	15
Total		25	21

Rater	N	Pinion Scoring		Ring Scoring	
		Avg Yi	STD*	Avg Yi	STD*
B	4	-1.241	0.790	-0.736	0.968
E	4	-1.298	0.651	-1.040	0.922
H	4	0.065	1.090	0.009	0.485
I	4	-0.943	0.756	-0.589	1.419
M	4	-0.795	0.406	-1.141	0.505
N	4	-0.341	0.735	-0.666	0.609
ALL	24	-0.759	0.839	-0.694	0.867

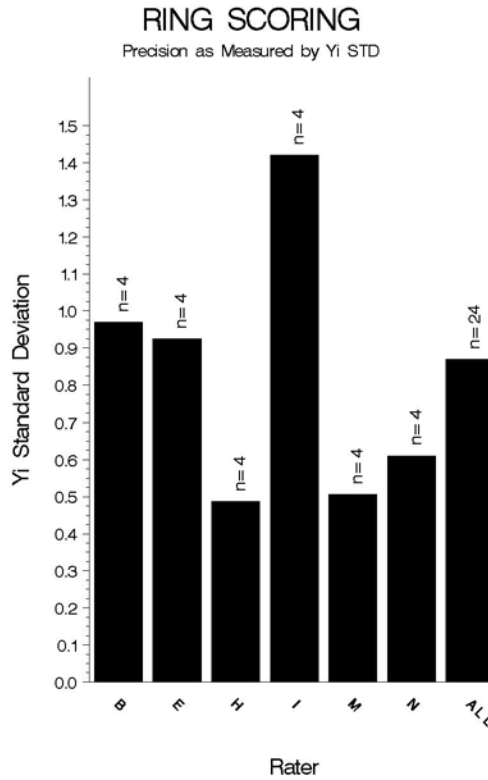




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INDUSTRY CONTROL CHARTS:

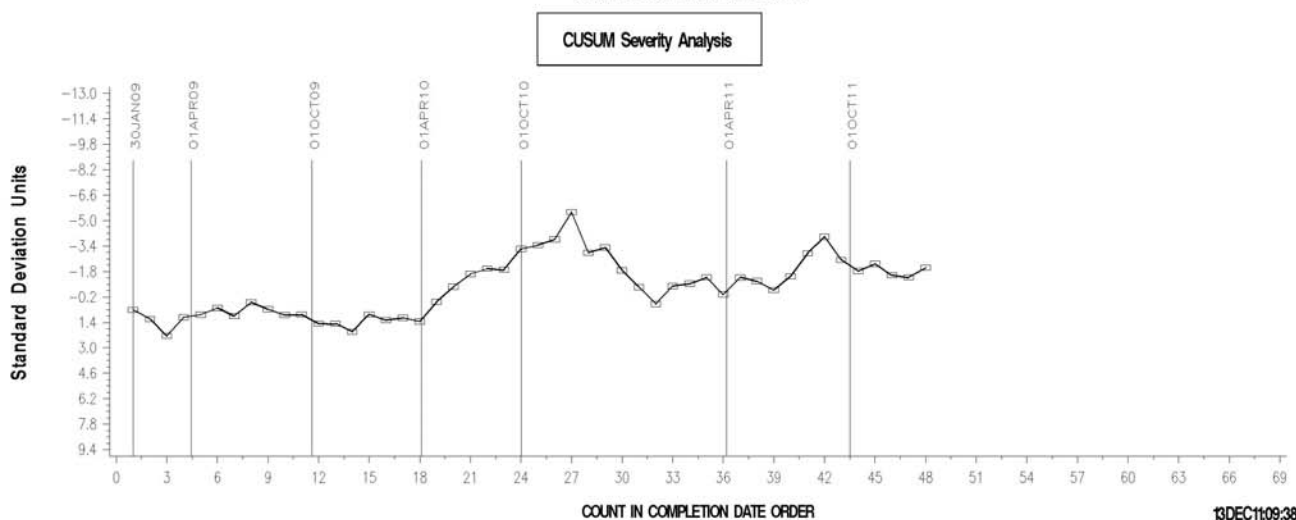
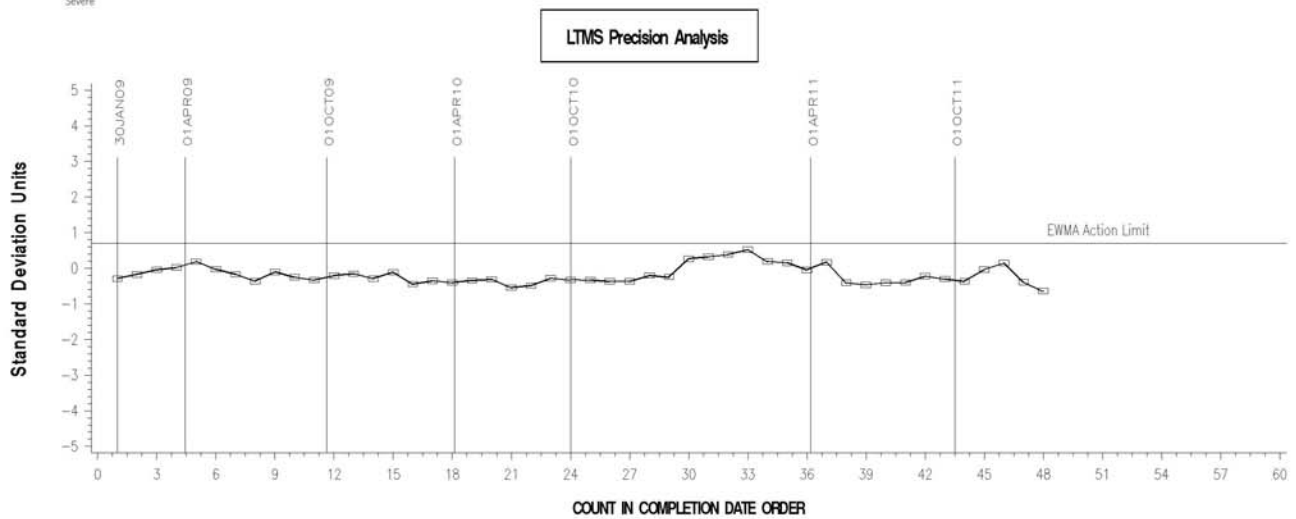
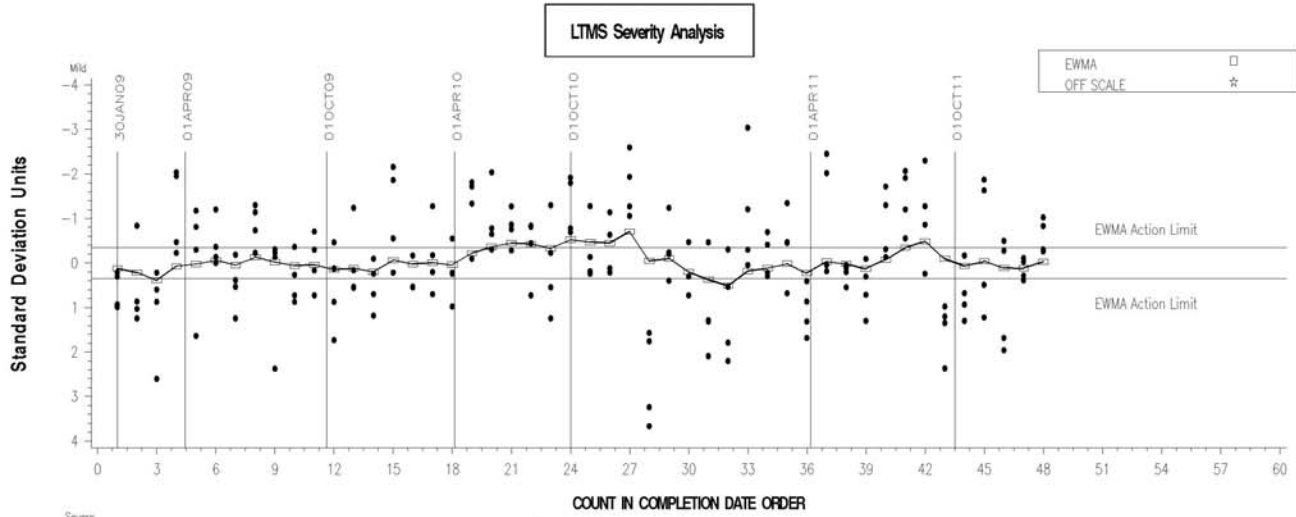
The industry control charts are shown beginning on the following page.

PSCR and RSCR results were mild over this period and have exceeded the alarm limit for most of the period. Precision performance for both ring and pinion scoring remained within acceptable limits.

L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



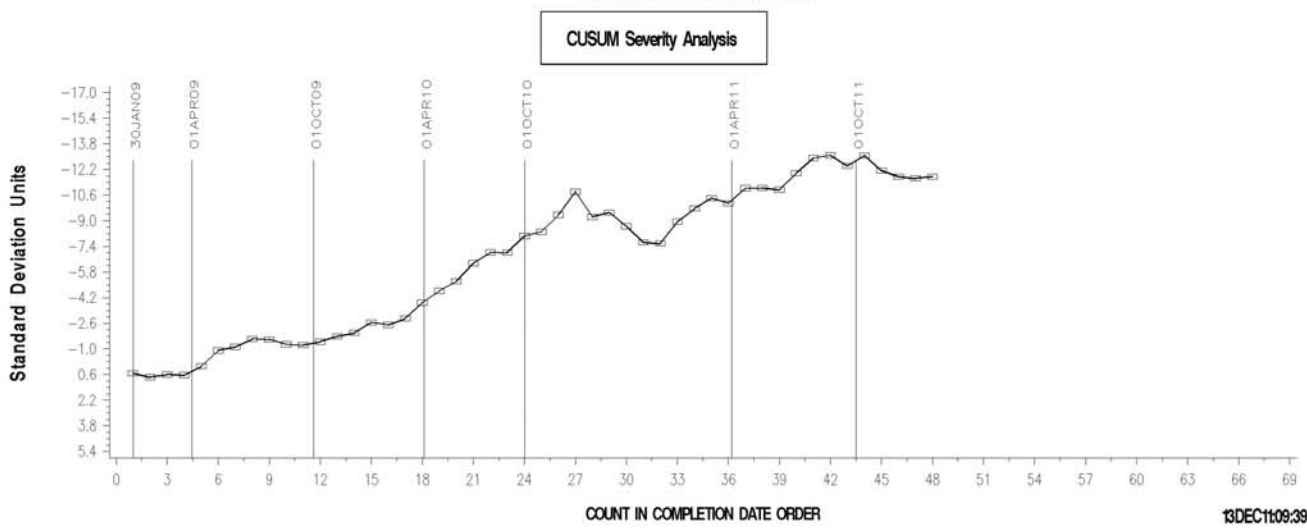
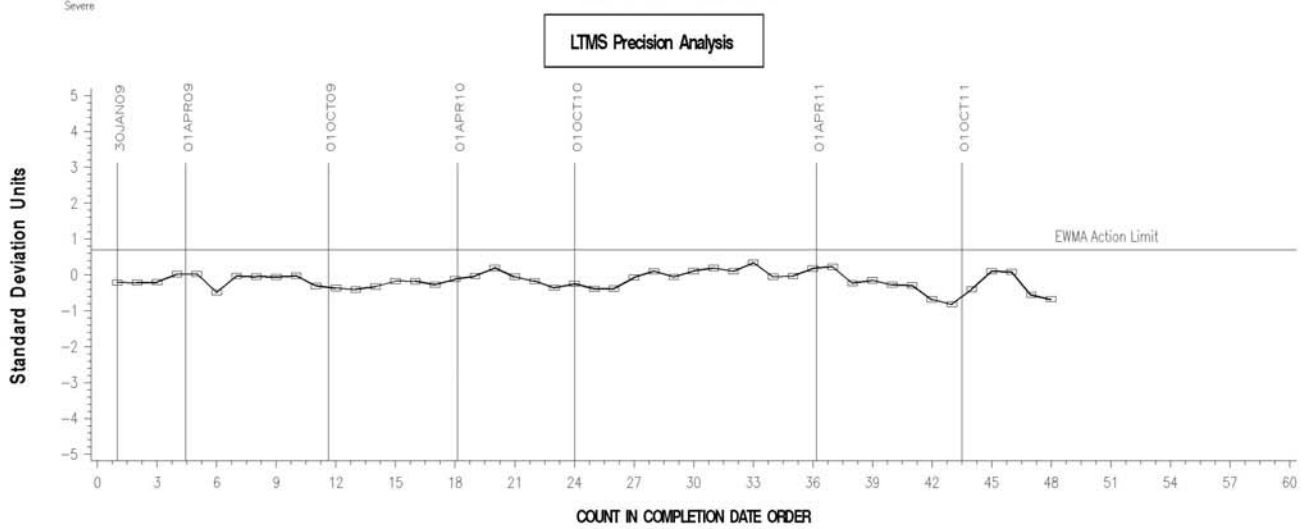
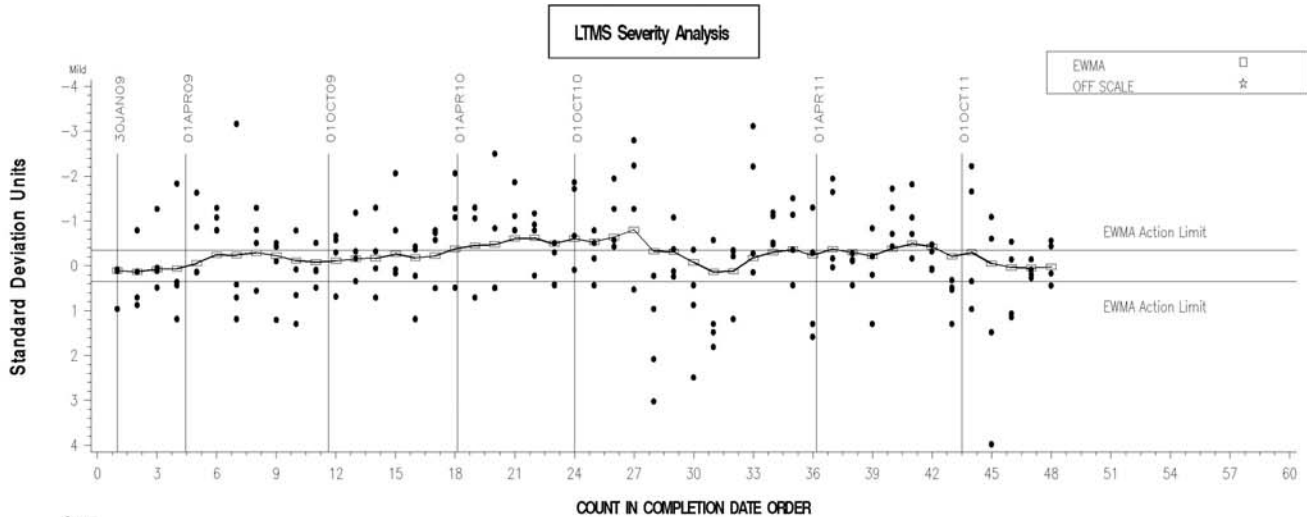
PINION SCORING



L-42 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



RING SCORING



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cc: Frank Farber

Jeff Clark

L42 Surveillance Panel

<ftp://ftp.astmtmc.cmu.edu/docs/gears/l42rc/semiannualreports/l42rc-10-2010.pdf>

Distribution: email