

9/11/2007 9/11/2007 9/11/2007 9/11/2007 9/11/2007 9/11/2007 9/11/2007 9/11/2007 9/11/2007 9/11/2007 9/11/2007 9/11/2007 9/11/2007 9/11/2007													
Gun #	1	2	3	4	5	6	7	8	9	10	11	12	13
SKU	27092	27097	27259	84050	84055	27049	27142	27047	27143	84054	84270	27343	84174
Description	700 ADL	700 ADL					700 SPS		700 SPS				700 SPS
S/N	Youth Syn	Synthetic		700 CDL	700 CDL		SS DM		SS DM	700 CDL	700 Mtn	700 SPS	Buckmasters
Date Code	Scoped	Scoped	700 VSF	B&C	B&C	700 CDL	Camo	700 CDL	Camo	B&C	LSS	DM	Camo
Date	G6681961	G6676852	G6657024	G6664552	G6664380	G6636576	T6266701	G6636100	T6267293	G6670533	S6599579	D6631154	F6300481
Chatillon Spring Scale SC Tester	22WB	24WB	20WB	15WB	12OB	10BB	21KB	01LB	02WB	25OB	02LB	23LB	17BB
	8/22/2007	8/24/2007	8/20/2007	8/15/2007	7/12/2007	1/10/2007	5/21/2007	2/1/2007	8/2/2007	7/25/2007	2/2/2007	2/23/2007	1/17/2007
TP1	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
TP2	4.50	4.25	3.00	4.75	4.25	4.50	4.00	3.75	4.25	3.50	4.25	5.00	4.50
TP3	4.50	4.00	3.25	4.75	4.75	5.00	3.75	3.50	4.25	3.75	4.00	5.00	4.50
Avg	4.25	4.00	3.00	4.75	4.50	4.75	3.75	3.50	4.50	3.50	4.00	5.00	4.25
SD	4.417	4.083	3.083	4.750	4.500	4.750	3.833	3.583	4.333	3.583	4.083	5.000	4.417
	0.144	0.144	0.144	0.000	0.250	0.250	0.144	0.144	0.144	0.144	0.144	0.000	0.144
Chatillon Spring Scale NSC Tester	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
TP1	4.50	4.00	3.50	4.00	5.50	4.75	4.00	4.25	4.25	3.25	4.00	5.00	4.25
TP2	5.50	4.50	3.50	4.75	5.00	4.00	4.00	4.50	4.25	4.00	4.25	5.00	4.25
TP3	5.75	4.25	3.25	4.50	4.75	4.75	4.00	4.00	4.00	4.00	4.25	5.00	4.50
Avg	5.250	4.250	3.417	4.417	5.083	4.500	4.000	4.250	4.167	3.750	4.167	5.000	4.333
SD	0.661	0.250	0.144	0.382	0.382	0.433	0.000	0.250	0.144	0.433	0.144	0.000	0.144
Lyman Digital Scale SC Tester	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
TP1	5.438	5.250	3.875	6.125	5.500	6.188	4.688	4.250	5.250	4.250	4.938	7.000	5.438
TP2	5.563	5.750	3.688	5.563	5.500	5.500	4.625	4.500	5.000	4.250	4.938	6.375	5.750
TP3	5.500	5.625	3.750	5.500	5.250	5.500	4.938	4.438	5.188	4.125	4.875	6.188	5.563
Avg	5.500	5.542	3.771	5.729	5.417	5.729	4.750	4.396	5.148	4.208	4.917	6.521	5.583
SD	0.063	0.260	0.095	0.344	0.144	0.397	0.165	0.130	0.130	0.072	0.036	0.425	0.157
Lyman Digital Scale NSC Tester	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
TP1	5.625	4.438	2.125	3.688	4.813	4.938	4.313	3.938	4.875	4.000	3.938	6.688	5.313
TP2	7.313	5.938	4.125	6.000	6.000	5.750	4.875	5.125	4.938	4.875	4.688	6.750	5.125
TP3	6.875	5.563	3.813	5.688	5.375	5.625	5.000	5.063	4.875	4.875	4.625	7.000	5.188
Avg	6.804	5.313	3.354	5.125	5.396	5.438	4.729	4.708	4.958	4.583	4.417	6.813	5.208
SD	0.876	0.781	1.076	1.255	0.594	0.438	0.366	0.668	0.095	0.505	0.416	0.165	0.095
Dvorak Device SC Tester	JR	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
TP1	4.336	5.712	3.407	5.294	5.131	5.637	4.857	4.052	4.633	3.782	4.140	5.574	4.697
TP2	4.396	5.423	3.606	5.102	5.017	6.023	4.838	4.105	4.832	3.974	4.318	5.796	4.702
TP3	4.379	5.089	3.608	5.275	5.159	5.458	4.894	4.064	4.915	3.958	4.374	5.642	4.806
TP4	4.412	5.689	3.260	5.472	5.155	5.788	4.829	4.046	4.913	4.034	4.436	5.817	4.811
TP5	4.319	5.302	3.455	5.672	5.170	5.952	4.773	4.057	4.880	4.142	4.141	5.759	4.788
Avg	4.368	5.445	3.467	5.363	5.126	5.772	4.838	4.065	4.835	3.978	4.282	5.718	4.761

9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
84262	84012	84217	84217	84051	84051	27011	27011	27339	27339	27339	27339	27339	27339	27339	27095	700 ADL
700 TI	700 CDL	700 SPS	700 SPS	700 CDL	700 CDL	700 CDL	700 CDL	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	Syn
TT009198	SF	Varmint	Varmint	B&C	B&C	700 CDL	700 CDL	DM	DM	DM	DM	DM	DM	DM	DM	Scoped
21WB	S6598705	G6646024	G6647888	G6663602	G6663521	G6635553	G6635543	G6644808	G6644642	G6644626	G6644667	G6644531	D6631039	G6644822	G6679354	
8/21/2007	1/29/2007	2/16/2007	2/16/2007	8/15/2007	8/15/2007	2/5/2007	2/5/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007	8/30/2007
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
4.75	4.75	4.50	4.50	3.75	4.00	3.75	4.00	4.50	4.00	4.25	5.00	4.50	4.00	4.50	4.25	
4.75	4.75	5.00	4.50	3.75	4.00	3.75	4.00	4.50	5.25	4.25	5.00	4.50	4.00	4.50	4.25	
4.75	4.50	5.00	4.50	3.75	3.50	3.75	4.25	4.25	5.25	4.25	4.75	4.50	4.00	4.75	4.25	
4.750	4.667	4.833	4.500	3.750	3.833	3.750	4.083	4.417	4.833	4.250	4.917	4.500	4.000	4.583	4.250	
0.000	0.144	0.289	0.000	0.000	0.289	0.000	0.144	0.144	0.722	0.000	0.144	0.000	0.000	0.144	0.000	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
5.00	4.25	5.00	4.50	4.00	4.50	4.00	4.00	4.25	5.50	4.00	4.50	4.00	3.75	4.00	4.75	
4.75	5.00	5.25	4.50	4.00	4.50	4.25	3.75	4.25	5.00	4.50	5.00	4.00	3.50	4.25	5.00	
4.50	5.50	5.25	4.50	4.25	4.00	4.25	3.50	4.50	4.75	4.75	4.75	4.25	3.75	4.50	4.50	
4.750	4.917	5.167	4.500	4.083	4.333	4.167	3.750	4.333	5.083	4.417	4.750	4.083	3.667	4.250	4.750	
0.250	0.629	0.144	0.000	0.144	0.289	0.144	0.250	0.144	0.382	0.382	0.250	0.144	0.144	0.250	0.250	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
6.625	5.500	6.313	5.500	4.750	4.625	4.375	5.000	5.500	5.938	4.875	5.250	5.500	4.875	4.625	5.375	
6.563	5.625	6.000	5.688	4.500	4.438	4.313	4.813	5.125	5.875	4.875	5.688	5.188	5.000	4.875	5.125	
6.313	5.250	5.875	5.250	4.563	4.313	4.625	4.688	5.250	5.750	4.875	5.125	5.563	4.875	4.688	4.813	
6.500	5.458	6.063	5.479	4.604	4.458	4.438	4.833	5.292	5.854	4.875	5.354	5.417	4.917	4.729	5.104	
0.165	0.191	0.225	0.219	0.130	0.157	0.165	0.157	0.191	0.095	0.000	0.295	0.201	0.072	0.130	0.282	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
5.875	4.563	5.938	4.500	5.188	4.063	4.625	4.375	5.188	5.875	4.938	4.750	3.063	5.188	4.438	5.438	
6.000	5.375	6.188	5.500	4.938	4.188	4.938	4.313	5.188	5.125	4.813	5.563	5.438	4.688	5.188	5.438	
5.750	6.063	5.875	5.625	4.688	4.063	4.813	4.438	5.313	5.375	4.938	5.188	5.000	4.563	5.000	5.250	
5.875	5.333	6.000	5.208	4.938	4.104	4.792	4.375	5.229	5.458	4.896	5.167	4.500	4.813	4.875	5.375	
0.125	0.751	0.165	0.617	0.250	0.072	0.157	0.063	0.072	0.382	0.072	0.407	1.264	0.331	0.390	0.108	
SW	SW	JR	SW	SW	SW	SW	SW	SW	JR	SW	SW	SW	JR	SW	SW	
5.394	6.026	4.833	4.838	4.263	3.689	4.346	4.161	5.226	5.071	4.612	5.147	5.217	3.818	4.845	4.625	
5.666	5.961	4.838	4.788	4.214	3.802	4.436	3.999	5.110	5.164	4.590	5.269	5.233	3.901	4.865	4.761	
6.046	5.399	4.826	4.787	3.807	4.119	4.258	4.096	5.220	5.032	4.599	4.953	5.040	3.907	4.958	4.972	
5.775	5.659	4.762	4.802	4.174	3.877	4.311	4.308	5.178	5.348	4.618	5.093	5.134	3.935	5.004	4.673	
5.800	5.861	4.786	4.781	4.102	3.843	4.299	3.858	5.220	4.991	4.599	4.979	5.106	3.975	5.018	4.683	
5.736	5.785	4.809	4.799	4.112	3.868	4.330	4.084	5.191	5.121	4.604	5.088	5.146	3.907	4.938	4.743	

9/11/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007
30	31	32	33	34	35	36	37	38	39	40	41	42	43	
27095	27053	27053	27053	27053	27053	27053	27053	27053	84171	84171	84171	84171	84171	
700 ADL									700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	
Syn									Buckmasters	Buckmasters	Buckmasters	Buckmasters	Buckmasters	
Scoped	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	Camo	Camo	Camo	Camo	Camo	
G6679368	G6618936	G6635711	G6588956	G6635930	G6636427	G6636386	G6636450	G6588913	G6639742	G6639723	G6642690	G6642664	G6641189	
30WB	04BB	04BB	04BB	08BB	03BB	03BB	03BB	03BB	04BB	19BB	19BB	19BB	19BB	
8/30/2007	1/4/2007	1/4/2007	1/4/2007	1/8/2007	1/3/2007	1/3/2007	1/3/2007	1/3/2007	1/4/2007	1/19/2007	1/19/2007	1/19/2007	1/19/2007	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	
4.50	5.25	4.00	5.00	4.25	3.50	3.50	4.50	4.00	3.25	4.25	4.50	5.25	3.50	
4.25	5.00	4.25	5.00	4.00	3.50	3.75	4.25	3.75	3.00	4.50	4.50	5.00	3.75	
4.25	5.25	4.50	5.25	4.00	3.50	3.50	4.25	3.50	3.00	4.50	4.75	4.75	3.75	
4.333	5.167	4.250	5.083	4.083	3.500	3.583	4.333	3.750	3.083	4.417	4.583	5.000	3.667	
0.144	0.144	0.250	0.144	0.144	0.000	0.144	0.144	0.250	0.144	0.144	0.144	0.250	0.144	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	
4.75	5.50	4.25	4.75	4.25	3.50	3.50	4.75	3.50	3.50	4.25	4.50	4.75	4.00	
4.25	5.75	4.00	5.25	3.75	3.75	3.50	4.25	4.50	3.25	5.00	4.75	5.00	4.50	
4.50	5.25	3.75	5.00	4.25	3.50	3.50	4.25	4.50	3.00	4.75	4.75	5.00	4.50	
4.500	5.500	4.000	5.000	4.083	3.583	3.500	4.417	4.167	3.250	4.667	4.667	4.917	4.333	
0.250	0.250	0.250	0.250	0.289	0.144	0.000	0.289	0.577	0.250	0.382	0.144	0.144	0.289	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	
5.250	7.063	5.125	6.125	5.063	4.875	4.375	5.438	4.563	4.875	5.438	6.125	6.063	4.688	
5.063	6.625	4.750	6.125	4.813	4.688	4.625	5.125	4.313	4.750	5.438	5.875	6.250	4.750	
5.500	6.813	5.250	6.000	4.875	4.313	4.313	4.688	4.313	4.875	5.563	5.813	6.250	4.688	
5.271	6.833	5.042	6.083	4.917	4.625	4.438	5.083	4.396	4.833	5.479	5.938	6.188	4.708	
0.219	0.219	0.260	0.072	0.130	0.285	0.165	0.377	0.144	0.072	0.072	0.165	0.108	0.036	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	
4.813	6.000	5.688	6.125	5.063	2.625	5.438	4.938	4.188	5.313	5.688	5.563	6.313	4.938	
5.063	7.625	5.313	6.375	4.938	4.438	4.813	5.313	4.188	4.250	5.688	5.750	6.375	5.625	
5.000	7.125	4.813	6.875	4.938	4.875	4.688	5.375	4.000	4.000	5.688	5.313	6.250	6.125	
4.958	6.917	5.271	6.458	4.979	3.979	4.979	5.208	4.125	4.521	5.688	5.542	6.313	5.563	
0.130	0.832	0.439	0.382	0.072	1.193	0.402	0.237	0.108	0.697	0.000	0.219	0.063	0.596	
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	
5.162	5.914	4.507	5.980	4.482	3.855	4.055	4.639	4.045	3.393	5.093	5.140	5.625	4.233	
5.285	5.623	4.361	5.920	4.331	4.153	3.907	4.249	4.146	3.396	5.026	5.036	5.551	4.218	
5.126	5.911	4.676	5.979	4.336	4.171	4.114	4.998	4.248	3.450	5.078	5.049	5.610	4.355	
5.124	6.034	4.572	5.886	4.342	4.145	4.133	4.698	4.428	3.430	5.105	5.122	5.630	4.228	
5.176	5.644	4.461	5.968	4.817	3.973	3.923	4.647	4.185	3.407	5.190	5.033	5.644	4.323	
5.175	5.825	4.515	5.947	4.482	4.059	4.027	4.646	4.210	3.415	5.098	5.076	5.612	4.271	

9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007
44	45	46	47	48	49	50
84171	27335	27335	27335	27335	27335	27335
700 SPS						
Buckmasters	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS
Camo	DM	DM	DM	DM	DM	DM
G6642714	D6629503	D6629533	G6644775	D6630873	G6644706	G6644895
19BB	06LB	06LB	07LB	07LB	07LB	07LB
1/19/2007	2/6/2007	2/6/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007

JD	JD	JD	JD	JD	JD	JD
4.00	4.00	3.25	4.00	4.00	3.00	4.25
4.00	4.00	3.00	4.25	4.25	3.00	4.00
4.00	4.25	3.00	4.25	4.50	3.00	3.75
4.000	4.083	3.083	4.167	4.250	3.000	4.000
0.000	0.144	0.144	0.144	0.250	0.000	0.250

JD	JD	JD	JD	JD	JD	JD
4.00	4.25	3.50	3.75	4.25	3.50	4.00
4.50	4.00	3.25	4.00	4.25	3.00	4.00
4.75	4.50	3.25	4.25	4.25	3.00	4.25
4.417	4.250	3.333	4.000	4.250	3.167	4.083
0.382	0.250	0.144	0.250	0.000	0.289	0.144

JD	JD	JD	JD	JD	JD	JD
5.313	4.625	3.813	5.563	5.438	3.938	5.250
4.813	5.188	3.938	5.563	5.063	4.063	5.188
5.125	5.063	3.875	5.250	5.563	3.688	5.063
5.083	4.958	3.875	5.458	5.354	3.896	5.167
0.253	0.295	0.063	0.180	0.260	0.191	0.095

JD	JD	JD	JD	JD	JD	JD
4.875	4.625	4.000	4.813	5.563	4.250	4.813
5.313	5.188	3.813	5.313	5.313	3.875	5.313
5.375	4.875	3.875	5.125	5.313	4.313	5.375
5.188	4.896	3.896	5.083	5.396	4.146	5.167
0.272	0.282	0.095	0.253	0.144	0.237	0.308

SW	SW	SW	SW	SW	SW	SW
4.358	4.850	4.850	4.907	4.483	4.077	5.025
4.536	4.823	4.823	5.028	4.710	3.962	5.271
4.350	4.821	4.821	4.870	4.555	4.037	5.089
4.448	4.866	4.866	4.984	4.713	3.892	4.829
4.433	4.926	4.926	5.046	4.768	3.984	5.279
4.425	4.857	4.857	4.967	4.646	3.990	5.099

SD	0.040	0.266	0.146	0.217	0.063	0.230	0.044	0.023	0.118	0.131	0.136	0.105	0.057
Dvorak Device NSC Tester	JR	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
TP1	6.344	5.505	3.380	5.316	5.076	6.009	5.265	4.752	5.282	4.712	4.885	6.072	4.879
TP2	6.336	5.394	3.591	6.388	5.391	5.962	5.547	4.326	5.062	4.005	4.608	6.044	4.723
TP3	6.305	5.266	3.604	5.586	5.796	5.763	5.465	4.451	4.980	4.388	4.739	6.001	4.700
TP4	6.722	5.294	3.636	6.272	6.050	5.853	5.480	4.828	4.918	4.307	4.565	6.010	4.696
TP5	6.573	5.084	3.597	6.212	5.715	5.806	5.465	4.877	4.931	4.309	4.736	6.096	4.754
Avg	6.456	5.309	3.562	5.955	5.606	5.879	5.444	4.647	5.035	4.344	4.707	6.045	4.750
SD	0.183	0.157	0.103	0.474	0.378	0.104	0.106	0.244	0.149	0.252	0.126	0.040	0.076

0.236	0.258	0.033	0.023	0.180	0.158	0.067	0.169	0.049	0.142	0.011	0.129	0.080	0.058	0.079	0.137
SW	SW	JR	SW	SW	SW	SW	SW	SW	JR	SW	SW	SW	SW	SW	SW
5.764	6.018	5.253	5.274	4.111	3.862	5.396	4.320	5.155	5.035	5.445	5.236	5.005	4.523	5.402	5.180
5.773	5.847	5.434	5.241	4.550	3.981	5.042	4.309	5.139	5.062	5.115	5.434	4.957	4.577	5.392	4.887
5.832	5.674	5.491	5.237	4.221	3.646	5.350	4.213	5.107	4.964	4.782	5.115	5.039	4.823	5.539	4.966
5.898	5.344	5.503	5.270	4.155	3.792	5.380	3.914	5.281	5.082	5.193	5.157	5.117	4.674	5.502	4.431
5.986	5.481	5.789	5.250	4.518	3.888	5.048	4.047	5.138	5.096	5.019	5.098	4.984	4.598	5.540	5.060
5.851	5.673	5.494	5.254	4.311	3.834	5.243	4.161	5.164	5.048	5.111	5.208	5.020	4.639	5.475	4.905
0.093	0.271	0.193	0.017	0.208	0.125	0.182	0.176	0.068	0.052	0.242	0.137	0.062	0.116	0.073	0.287

0.066	0.182	0.118	0.042	0.208	0.139	0.105	0.267	0.142	0.024	0.059	0.051	0.036	0.063
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
5.495	6.353	4.909	6.469	4.645	4.573	4.198	4.858	4.668	4.072	4.891	5.045	5.512	5.903
5.390	5.992	4.866	6.044	4.444	4.622	4.174	4.595	4.498	3.444	5.099	5.131	5.709	5.144
5.366	6.468	4.572	6.572	4.691	4.538	4.120	4.903	4.507	3.592	4.874	5.185	5.656	5.331
5.264	6.576	4.607	6.480	4.416	4.446	4.258	4.851	4.421	3.691	4.913	5.226	5.501	5.311
5.392	5.797	4.694	6.533	4.518	4.499	3.936	4.877	4.346	3.434	5.032	5.250	5.529	5.377
5.381	6.237	4.730	6.420	4.543	4.536	4.137	4.817	4.488	3.647	4.962	5.167	5.581	5.413
0.082	0.330	0.152	0.214	0.121	0.068	0.123	0.126	0.120	0.261	0.099	0.062	0.095	0.288

0.076	0.043	0.043	0.076	0.121	0.071	0.187
SW	SW	SW	SW	SW	SW	SW
5.445	5.258	5.258	5.127	5.039	4.237	5.406
5.642	5.258	5.258	5.077	5.058	4.234	5.281
5.680	5.334	5.334	5.044	5.029	4.444	5.317
5.731	5.089	5.089	5.020	5.078	4.447	5.392
5.061	5.141	5.141	5.069	4.923	4.419	5.331
5.512	5.216	5.216	5.067	5.025	4.356	5.345
0.274	0.099	0.099	0.040	0.060	0.111	0.052

Cell: A1
Comment: metrology1:
normal testing order was spring scale NSC - spring scale SC - Lyman NSC - Lyman SC - Dvorak SC - Dvorak NSC
SC = safety cycling
NSC = no safety cycling

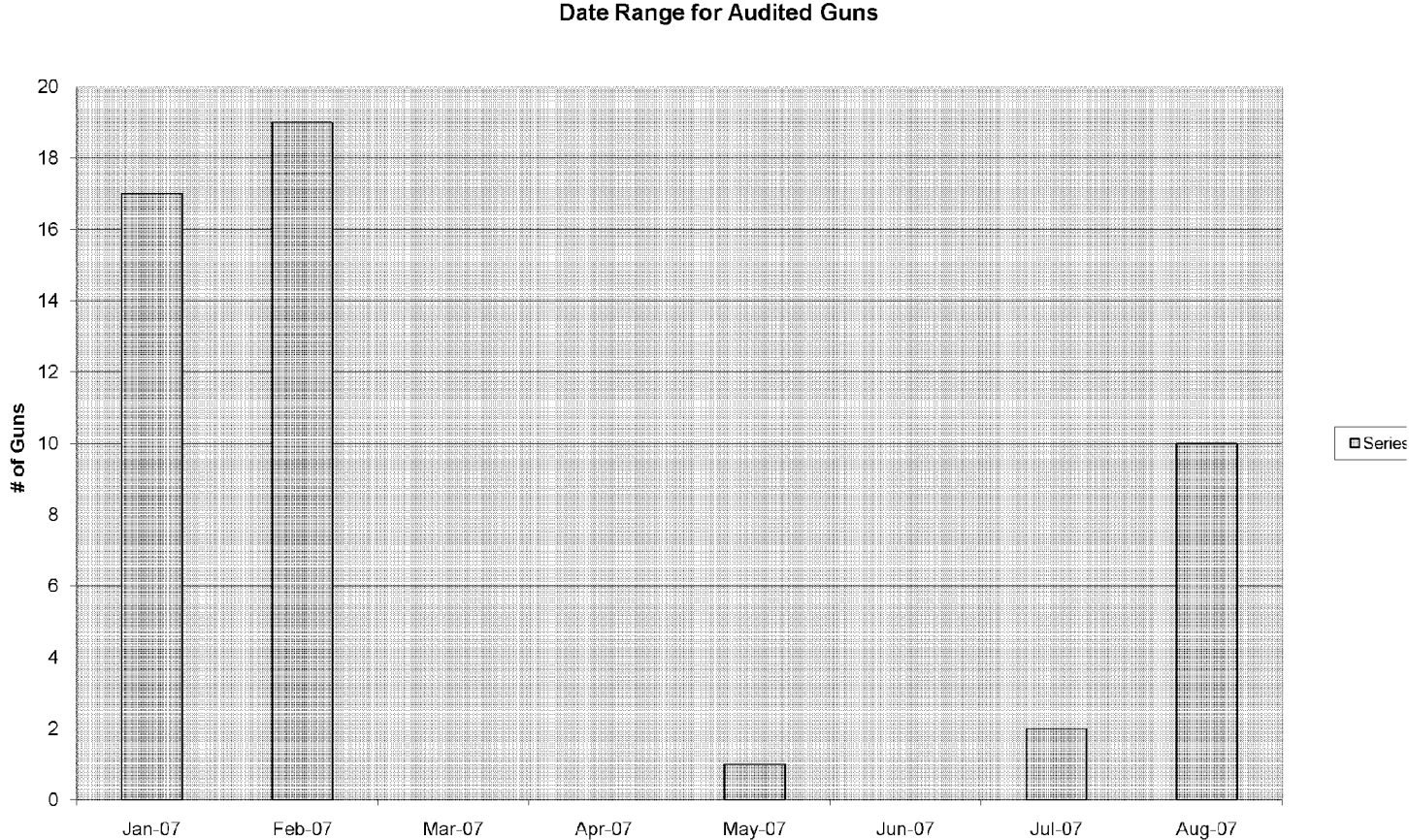
Cell: M2
Comment: metrology1:
OLD TRIGGER

Cell: L17
Comment: metrology1:
measured second

Cell: M17
Comment: metrology1:
measured second

Cell: L33
Comment: metrology1:
measured first

Cell: M33
Comment: metrology1:
measured first



Gun #	1	2	3	4	5	6	7	8	9	10	11
SKU	27092	27097	27259	84050	84055	27049	27142	27047	27143	84054	84270
Description	700 ADL Youth Syn Scoped	700 ADL Synthetic Scoped	700 VSF	700 CDL B&C	700 CDL B&C	700 CDL	700 SPS SS DM Camo	700 SPS SS DM Camo	700 SPS SS DM Camo	700 CDL B&C	700 Mtn LSS
S/N	G6681961	G6676852	G6657024	G6664552	G6664380	G6636576	T6266701	G6636100	T6267293	G6670533	S6599579
Chatillon SC Avg	4.42	4.08	3.08	4.75	4.50	4.75	3.83	3.58	4.33	3.58	4.08
Chatillon NSC Avg	5.25	4.25	3.42	4.42	5.08	4.50	4.00	4.25	4.17	3.75	4.17
Lyman SC Avg	5.50	5.54	3.77	5.73	5.42	5.73	4.75	4.40	5.15	4.21	4.92
Lyman NSC Avg	6.60	5.31	3.35	5.13	5.40	5.44	4.73	4.71	4.96	4.58	4.42
Dvorak SC Avg	4.37	5.45	3.47	5.36	5.13	5.77	4.84	4.06	4.83	3.98	4.28
Dvorak NSC Avg	6.46	5.31	3.56	5.95	5.61	5.88	5.44	4.65	5.03	4.34	4.71
Chatillon SC vs Dvorak SC	0.05	-1.36	-0.38	-0.61	-0.63	-1.02	-1.00	-0.48	-0.50	-0.39	-0.20
Chatillon NSC vs Dvorak SC	0.88	-1.20	-0.05	-0.95	-0.04	-1.27	-0.84	0.19	-0.67	-0.23	-0.12
Lyman SC vs Dvorak SC	1.13	0.10	0.30	0.37	0.29	-0.04	-0.09	0.33	0.31	0.23	0.63
Lyman NSC vs Dvorak SC	2.24	-0.13	-0.11	-0.24	0.27	-0.33	-0.11	0.64	0.12	0.61	0.13
Dvorak SC vs Dvorak SC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dvorak NSC vs Dvorak SC	2.09	-0.14	0.09	0.59	0.48	0.11	0.61	0.58	0.20	0.37	0.42
Comparison of Method SD - ALL											
Chatillon SC SD	0.144	0.144	0.144	0.000	0.250	0.250	0.144	0.144	0.144	0.144	0.144
Chatillon NSC SD	0.661	0.250	0.144	0.382	0.382	0.433	0.000	0.250	0.144	0.433	0.144
Lyman SC SD	0.063	0.260	0.095	0.344	0.144	0.397	0.165	0.130	0.130	0.072	0.036
Lyman NSC SD	0.878	0.781	0.078	0.255	0.584	0.438	0.388	0.888	0.095	0.505	0.413
Dvorak SC SD	0.040	0.266	0.146	0.217	0.063	0.230	0.044	0.023	0.118	0.131	0.136
Dvorak NSC SD	0.183	0.157	0.103	0.474	0.378	0.104	0.106	0.244	0.143	0.252	0.126
MAX SD											
MIN SD											
MIN SD ≠ 0											
Tie for MIN SD or MAX SD											
Comparison of Method SD - eliminate Lyman											
Chatillon SC SD	0.144	0.144	0.144	0.000	0.250	0.250	0.144	0.144	0.144	0.144	0.144
Chatillon NSC SD	0.661	0.250	0.144	0.382	0.382	0.433	0.000	0.250	0.144	0.433	0.144
Dvorak SC SD	0.040	0.266	0.146	0.217	0.063	0.230	0.044	0.023	0.118	0.131	0.136
Dvorak NSC SD	0.183	0.157	0.103	0.474	0.378	0.104	0.106	0.244	0.143	0.252	0.126
MAX SD											
MIN SD											
MIN SD ≠ 0											
Tie for MIN SD or MAX SD											
Comparison of Method SD - standard processes											
Chatillon NSC SD	0.661	0.250	0.144	0.382	0.382	0.433	0.000	0.250	0.144	0.433	0.144

13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
84174	84262	84012	84217	84217	84051	84051	27011	27011	27339	27339	27339	27339	27339	27339	27339
700 SPS															
Buckmaste		700 CDL	700 SPS	700 SPS	700 CDL	700 CDL			700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS
rs Camo	700 Ti	SF	Varmint	Varmint	B&C	B&C	700 CDL	700 CDL	DM	DM	DM	DM	DM	DM	DM
F630C481	TT009198	S6598705	G6646024	G6647888	G6663602	G6663521	G6635553	G6635543	G6644808	G6644642	G6644626	G6644667	G6644531	D6631039	G6644822
4.42	4.75	4.67	4.83	4.50	3.75	3.83	3.75	4.08	4.42	4.83	4.25	4.92	4.50	4.00	4.58
4.33	4.75	4.92	5.17	4.50	4.08	4.33	4.17	3.75	4.33	5.08	4.42	4.75	4.08	3.67	4.25
5.58	6.50	5.46	6.06	5.48	4.60	4.46	4.44	4.83	5.29	5.85	4.88	5.35	5.42	4.92	4.73
5.21	5.88	5.33	6.00	5.21	4.94	4.10	4.79	4.38	5.23	5.46	4.90	5.17	4.50	4.81	4.88
4.76	5.74	5.79	4.81	4.80	4.11	3.87	4.33	4.08	5.19	5.12	4.60	5.09	5.15	3.91	4.94
4.75	5.85	5.67	5.49	5.25	4.31	3.83	5.24	4.16	5.16	5.05	5.11	5.21	5.02	4.64	5.48
-0.34	-0.99	-1.12	0.02	-0.30	-0.36	-0.03	-0.58	0.00	-0.77	-0.29	-0.35	-0.17	-0.65	0.09	-0.35
-0.43	-0.99	-0.87	0.36	-0.30	-0.03	0.47	-0.16	-0.33	-0.86	-0.04	-0.19	-0.34	-1.06	-0.24	-0.69
0.82	0.76	-0.33	1.25	0.68	0.49	0.59	0.11	0.75	0.10	0.73	0.27	0.27	0.27	1.01	-0.21
0.45	0.14	-0.45	1.19	0.41	0.83	0.24	0.46	0.29	0.04	0.34	0.29	0.08	-0.65	0.91	-0.06
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-0.01	0.11	-0.11	0.69	0.46	0.20	-0.03	0.91	0.08	-0.03	-0.07	0.51	0.12	-0.13	0.73	0.54
0.144	0.000	0.144	0.289	0.000	0.000	0.289	0.000	0.144	0.144	0.722	0.000	0.144	0.000	0.000	0.144
0.144	0.250	0.629	0.144	0.000	0.144	0.289	0.144	0.250	0.144	0.382	0.382	0.250	0.144	0.144	0.250
0.167	0.165	0.191	0.225	0.219	0.130	0.157	0.165	0.157	0.191	0.095	0.000	0.295	0.201	0.072	0.130
0.095	0.125	0.751	0.165	0.817	0.250	0.072	0.157	0.063	0.072	0.382	0.072	0.407	1.284	0.331	0.382
0.057	0.236	0.258	0.033	0.023	0.180	0.158	0.067	0.169	0.049	0.142	0.011	0.129	0.080	0.058	0.079
0.076	0.093	0.271	0.193	0.017	0.208	0.125	0.182	0.176	0.068	0.052	0.242	0.137	0.062	0.116	0.073
0.144	0.000	0.144	0.289	0.000	0.000	0.289	0.000	0.144	0.144	0.722	0.000	0.144	0.000	0.000	0.144
0.144	0.250	0.629	0.144	0.000	0.144	0.289	0.144	0.250	0.144	0.382	0.382	0.250	0.144	0.144	0.250
0.057	0.236	0.258	0.033	0.023	0.180	0.158	0.067	0.169	0.049	0.142	0.011	0.129	0.080	0.058	0.079
0.076	0.093	0.271	0.193	0.017	0.208	0.125	0.182	0.176	0.068	0.052	0.242	0.137	0.062	0.116	0.073
0.144	0.250	0.629	0.144	0.000	0.144	0.289	0.144	0.250	0.144	0.382	0.382	0.250	0.144	0.144	0.250

29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
27095	27095	27053	27053	27053	27053	27053	27053	27053	27053	84171	84171	84171	84171	84171	84171
700 ADL	700 ADL									700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS
Syn	Syn									Buckmaste	Buckmaste	Buckmaste	Buckmaste	Buckmaste	Buckmaste
Scoped	Scoped	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	rs Camo	rs Camo	rs Camo	rs Camo	rs Camo	rs Camo
G6679354	G6679368	G6618936	G6635711	G6588956	G6635930	G6636427	G6636386	G6636450	G6588913	G6639742	G6639723	G6642690	G6642664	G6641189	G6642714
4.25	4.33	5.17	4.25	5.08	4.08	3.50	3.58	4.33	3.75	3.08	4.42	4.58	5.00	3.67	4.00
4.75	4.50	5.50	4.00	5.00	4.08	3.53	3.50	4.42	4.17	3.25	4.67	4.67	4.92	4.33	4.42
5.10	5.27	6.03	5.04	6.08	4.92	4.63	4.44	5.08	4.40	4.83	5.43	5.94	6.19	4.71	5.08
5.38	4.96	6.92	5.27	6.46	4.98	3.98	4.98	5.21	4.13	4.52	5.69	5.54	6.31	5.56	5.19
4.74	5.17	5.83	4.52	5.95	4.46	4.06	4.03	4.65	4.21	3.42	5.10	5.08	5.61	4.27	4.43
4.90	5.38	6.24	4.73	6.42	4.54	4.54	4.14	4.82	4.49	3.65	4.96	5.17	5.68	5.41	5.51
-0.49	-0.84	-0.66	-0.27	-0.86	-0.38	-0.56	-0.44	-0.31	-0.46	-0.33	-0.68	-0.49	-0.61	-0.60	-0.43
0.01	-0.67	-0.33	-0.52	-0.95	-0.38	-0.48	-0.53	-0.23	-0.04	-0.17	-0.43	-0.41	-0.70	0.06	-0.01
0.36	0.10	1.01	0.53	0.14	0.45	0.57	0.41	0.44	0.19	1.42	0.38	0.86	0.58	0.44	0.66
0.63	-0.22	1.09	0.76	0.51	0.52	-0.03	0.95	0.56	-0.09	1.11	0.59	0.47	0.70	1.29	0.76
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.16	0.21	0.41	0.21	0.47	0.08	0.48	0.11	0.17	0.28	0.23	-0.14	0.09	-0.03	1.14	1.09
0.000	0.144	0.144	0.250	0.144	0.144	0.000	0.144	0.144	0.250	0.144	0.144	0.144	0.250	0.144	0.000
0.250	0.250	0.250	0.250	0.250	0.289	0.144	0.000	0.289	0.577	0.250	0.382	0.144	0.144	0.289	0.382
0.282	0.219	0.219	0.260	0.072	0.130	0.286	0.165	0.377	0.144	0.072	0.072	0.165	0.108	0.036	0.253
0.108	0.130	0.832	0.439	0.382	0.072	1.193	0.482	0.237	0.108	0.697	0.000	0.219	0.063	0.586	0.272
0.137	0.066	0.182	0.118	0.042	0.208	0.139	0.105	0.267	0.142	0.024	0.069	0.051	0.036	0.063	0.076
0.287	0.082	0.330	0.152	0.214	0.121	0.068	0.123	0.126	0.120	0.261	0.099	0.082	0.095	0.288	0.274
0.000	0.144	0.144	0.250	0.144	0.144	0.000	0.144	0.144	0.250	0.144	0.144	0.144	0.250	0.144	0.000
0.250	0.250	0.250	0.250	0.250	0.289	0.144	0.000	0.289	0.577	0.250	0.382	0.144	0.144	0.289	0.382
0.137	0.066	0.182	0.118	0.042	0.208	0.139	0.105	0.267	0.142	0.024	0.069	0.051	0.036	0.063	0.076
0.287	0.082	0.330	0.152	0.214	0.121	0.068	0.123	0.126	0.120	0.261	0.099	0.082	0.095	0.288	0.274
0.250	0.250	0.250	0.250	0.250	0.289	0.144	0.000	0.289	0.577	0.250	0.382	0.144	0.144	0.289	0.382

45	46	47	48	49	50											
27335	27335	27335	27335	27335	27335											
700 SPS DM	700 SPS DM	700 SPS DM	700 SPS DM	700 SPS DM	700 SPS DM	Sample Min (mean - 3 SD)					Sample Max (mean + 3 SD)					% nonconforming
D6629503	D6529533	G6644775	D6630873	G6644706	G6644895	Avg	SD	Max	Min	Range			# < LSL	# > USL	# OUT	
4.08	3.08	4.17	4.25	3.00	4.00	4.179	0.535	5.17	3.00	2.17	2.57	5.78	4	0	4	8.2%
4.25	3.33	4.00	4.25	3.17	4.08	4.299	0.529	5.50	3.17	2.33	2.71	5.89	4	0	4	8.2%
4.96	3.88	5.46	5.35	3.90	5.17	5.136	0.655	6.83	3.77	3.06	3.17	7.10	0	11	11	22.4%
4.90	3.90	5.08	5.40	4.15	5.17	5.082	0.692	6.92	3.35	3.56	3.01	7.16	1	9	10	20.4%
4.86	4.86	4.97	4.65	3.99	5.10	4.729	0.619	5.95	3.42	2.53	2.87	6.59	2	6	8	16.3%
5.22	5.22	5.07	5.03	4.36	5.35	5.059	0.647	6.46	3.56	2.89	3.12	7.00	0	10	10	20.4%
-0.77	-1.77	-0.80	-0.40	-0.99	-1.10	-0.55										
-0.61	-1.52	-0.97	-0.40	-0.82	-1.02	-0.43										
0.10	-0.98	0.49	0.71	-0.09	0.07	0.41										
0.04	-0.96	0.12	0.75	0.16	0.07	0.35										
0.00	0.00	0.00	0.00	0.00	0.00	0.00										
0.36	0.36	0.10	0.38	0.37	0.25	0.33										

						Avg.	SD	MAX	MIN	Range	Including SD = 0		Not including SD=0	
											#MIN SD	#MAX SD	#MIN SD	#MAX SD
0.144	0.144	0.144	0.250	0.000	0.250	0.142	0.121	0.722	0.000	0.722	15	5	3	5
0.250	0.144	0.250	0.000	0.289	0.144	0.248	0.146	0.661	0.000	0.661	4	10	0	10
0.296	0.063	0.180	0.260	0.191	0.095	0.170	0.090	0.397	0.000	0.397	5	5	5	5
0.282	0.095	0.233	0.144	0.237	0.305	0.395	0.333	1.264	0.000	1.264	6	27	6	27
0.043	0.043	0.076	0.121	0.071	0.187	0.110	0.072	0.267	0.011	0.255	15	0	24	0
0.099	0.099	0.040	0.060	0.111	0.052	0.154	0.095	0.474	0.017	0.457	6	3	11	3
						51	50	49	50					

						Avg.	SD	MAX	MIN	Range	Including SD = 0		Not including SD=0	
											#MIN SD	#MAX SD	#MIN SD	#MAX SD
0.144	0.144	0.144	0.250	0.000	0.250	0.142	0.121	0.722	0.000	0.722	15	13	4	13
0.250	0.144	0.250	0.000	0.289	0.144	0.248	0.146	0.661	0.000	0.661	4	31	1	31
0.043	0.043	0.076	0.121	0.071	0.187	0.110	0.072	0.267	0.011	0.255	19	3	28	4
0.099	0.099	0.040	0.060	0.111	0.052	0.154	0.095	0.474	0.017	0.457	11	7	16	7
						50	54	49	55					

						Avg.	SD	MAX	MIN	Range	Including SD = 0		Not including SD=0	
											#MIN SD	#MAX SD	#MIN SD	#MAX SD
0.260	0.144	0.260	0.000	0.289	0.144	0.248	0.146	0.661	0.000	0.661	8	41	4	45

Average of all Rawdata	SD of all Rawdata	MAX of all Rawdata	MIN of all Rawdata	Range of all Rawdata
4.179	0.553	5.250	3.000	2.250
4.299	0.575	5.750	3.000	2.750
5.136	0.669	7.063	3.688	3.375
5.082	0.806	7.625	2.125	5.500
4.729	0.625	6.046	3.260	2.786
5.059	0.662	6.722	3.380	3.342

Dvorak SC SD	0.040	0.266	0.146	0.217	0.063	0.230	0.044	0.023	0.118	0.131	0.136
MAX SD											
MIN SD											
MIN SD ≠ 0											
Dvorak SC SD	0.040	0.266	0.146	0.217	0.063	0.230	0.044	0.023	0.118	0.131	0.136
Dvorak NSC SD	0.183	0.157	0.103	0.474	0.378	0.104	0.106	0.244	0.149	0.252	0.126
	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Total		
	17	19	0	0	1	0	2	10	49		

0.057	0.236	0.258	0.033	0.023	0.180	0.158	0.067	0.169	0.049	0.142	0.011	0.129	0.080	0.058	0.079
0.057	0.236	0.258	0.033	0.023	0.180	0.158	0.067	0.169	0.049	0.142	0.011	0.129	0.080	0.058	0.079
0.076	0.093	0.271	0.193	0.017	0.208	0.125	0.182	0.176	0.068	0.052	0.242	0.137	0.062	0.116	0.073

0.137	0.066	0.182	0.118	0.042	0.208	0.139	0.105	0.267	0.142	0.024	0.059	0.051	0.036	0.063	0.076
0.137	0.066	0.182	0.118	0.042	0.208	0.139	0.105	0.267	0.142	0.024	0.059	0.051	0.036	0.063	0.076
0.287	0.082	0.330	0.152	0.214	0.121	0.068	0.123	0.126	0.120	0.261	0.099	0.082	0.095	0.288	0.274

0.043	0.043	0.076	0.121	0.071	0.109	0.110	0.072	0.267	0.011	0.255	41	8	45	4
											49	49	49	49
0.043	0.043	0.076	0.121	0.071	0.109	0.072	0.267	0.011	0.255					
0.099	0.099	0.040	0.080	0.111	0.156	0.065	0.474	0.017	0.457					

Cell: M1

Comment: Jim Ronkainen:
Gun #12 had old style trigger assembly - data collected for the rifle is not included in this section.

Cell: BD22

Comment: Jim Ronkainen:
12 of 15 MINs due to SD = 0, most likely due to spring scale resolution.

Cell: BD23

Comment: Jim Ronkainen:
4 of 4 MINs due to SD = 0, most likely due to spring scale resolution.

Cell: BD24

Comment: Jim Ronkainen:
1 of 5 MINs due to SD = 0.

Cell: BF24

Comment: Jim Ronkainen:
Method has lowest non-zero SD for gun 18.

Cell: BD25

Comment: Jim Ronkainen:
1 of 6 MINs due to SD = 0.

Cell: BF25

Comment: Jim Ronkainen:
Method has lowest non-zero SD for gun 29.

Cell: BF26

Comment: Jim Ronkainen:
Is MIN 9 more times if SD=0 condition is discarded as invalid.

Cell: BD28

Comment: Jim Ronkainen:
includes 2 ties for min, hence sum > number of samples

Cell: BE28

Comment: Jim Ronkainen:
includes 1 tie for max, hence sum > number of samples

Cell: BF28

Comment: Jim Ronkainen:
Ties for MIN SD eliminated so sum = sample size.

Cell: BG28

Comment: Jim Ronkainen:
includes 1 tie for max, hence sum > number of samples

Cell: BD34

Comment: Jim Ronkainen:
12 of 16 MINs due to SD = 0, most likely due to spring scale resolution.

Cell: BD35
Comment: Jim Ronkainen:
4 of 4 MINs due to SD=0, most likely due to spring scale resolution. 1 MIN SD when SD=0 are thrown out.

Cell: BD36
Comment: Jim Ronkainen:
would be +9 if SD = 0 for Chatillon were eliminated

Cell: BD37
Comment: Jim Ronkainen:
would be +5 if SD = 0 for Chatillon were eliminated

Cell: BD38
Comment: Jim Ronkainen:
includes 2 ties for MIN, hence sum > number of samples

Cell: BE38
Comment: Jim Ronkainen:
includes 5 ties for MAX, hence sum > number of samples

Cell: BF38
Comment: Jim Ronkainen:
includes 2 ties for MIN, hence sum > number of samples

Cell: BG38
Comment: Jim Ronkainen:
includes 5 ties for MAX, hence sum > number of samples

Cell: BD44
Comment: Jim Ronkainen:
4 of 8 MINs due to SD=0, most likely due to spring scale resolution.

Cell: BD45
Comment: Jim Ronkainen:
would be +4 if SD = 0 for Chatillon were eliminated

						Including SD = 0	
Comparison of Method SD - ALL	Avg.	SD	MAX	MIN	Range	#MIN	SD
Dvorenk SC SD	0.110	0.072	0.267	0.011	0.255		15
Chatillon SC SD	0.142	0.121	0.722	0.000	0.722		15
Dvorenk NSC SD	0.154	0.095	0.474	0.017	0.457		6
Lyman SC SD	0.170	0.090	0.397	0.000	0.397		5
Chatillon NSC SD	0.248	0.146	0.661	0.000	0.661		4
Lyman NSC SD	0.395	0.333	1.264	0.000	1.264		6

Comparison of Method SD - standard processes						Including SD = 0	
	Avg.	SD	MAX	MIN	Range	#MIN SD	
Chatillon NSC SD	0.248	0.146	0.661	0.000	0.661		8
Dvorak SC SD	0.110	0.072	0.267	0.011	0.255		41

http://www.chatillon.com/Our%20Products/Chatillon%20Weighing%20Scales/fish%26game_product/IN_fishscale.html

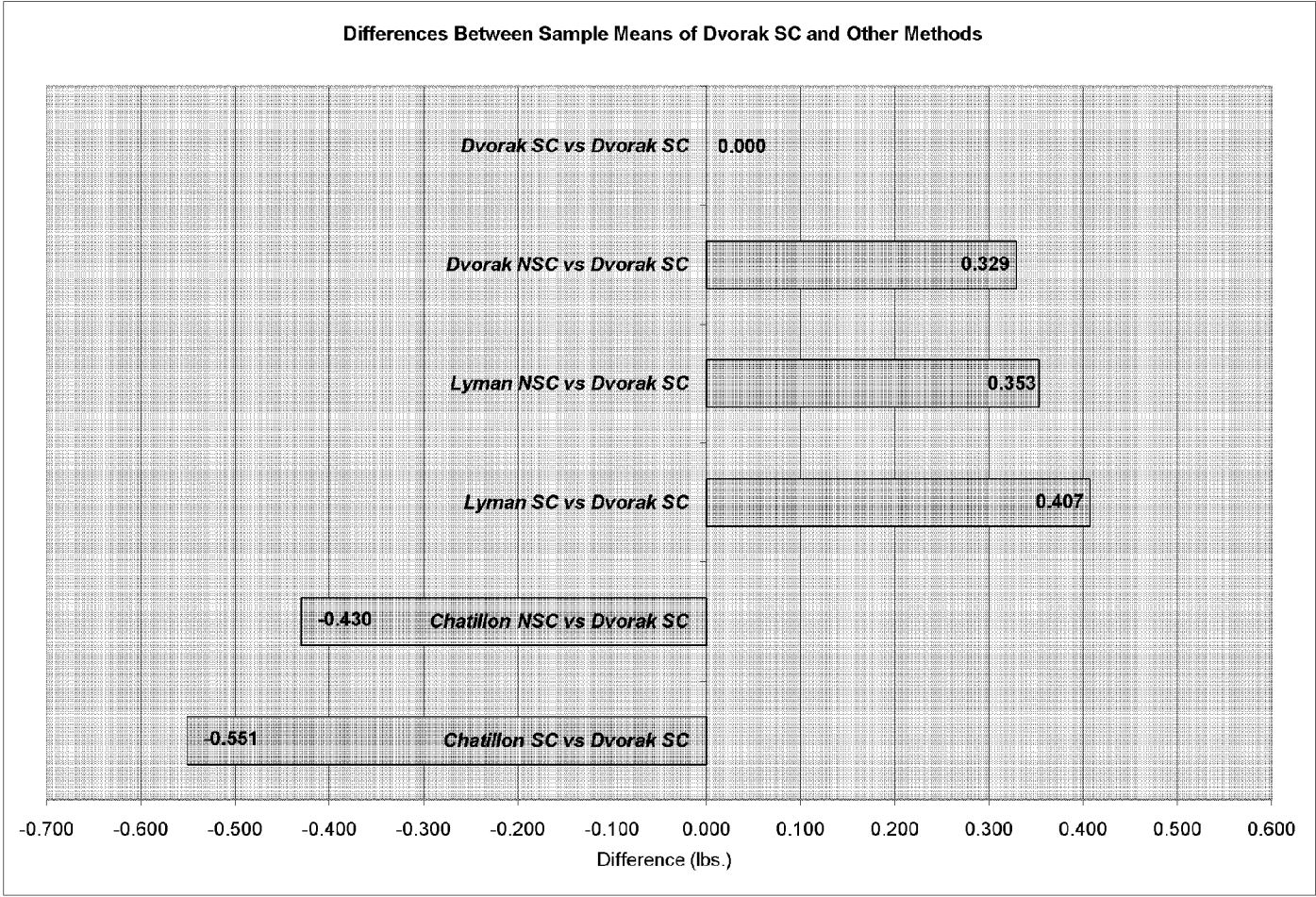
Sample Max (mean + 3 SD)	# < LSL	# > USL	# OUT	% nonconformin g
5.784	4	0	4	8.2%
5.886	4	0	4	8.2%
7.100	0	11	11	22.4%
7.153	1	9	10	20.4%
6.583	2	6	8	16.3%
7.000	0	10	10	20.4%

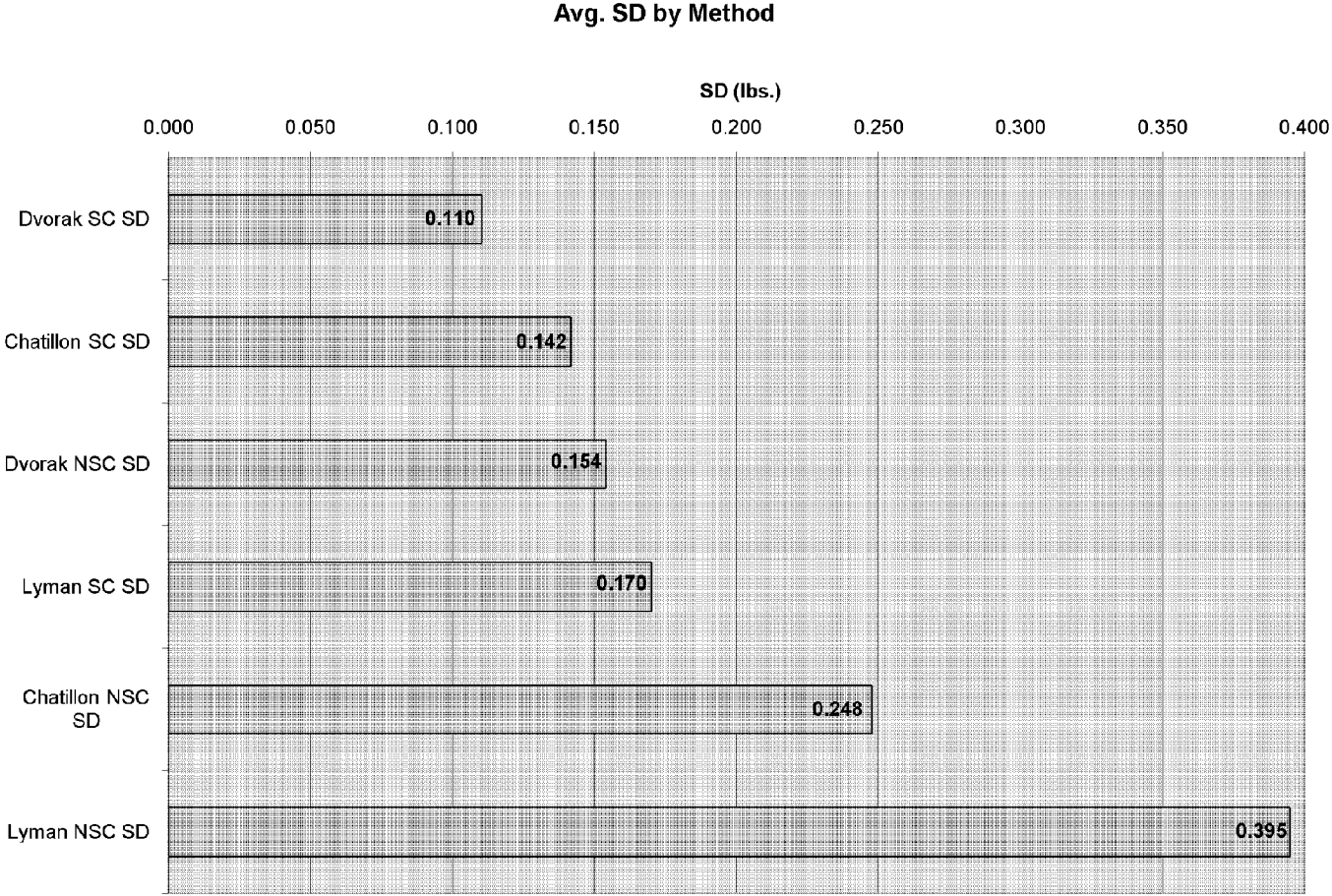
Not Including SD=0		
#MAX SD	#MIN SD	#MAX SD
0	24	0
5	3	5
3	11	3
5	5	5
10	0	10
27	6	27

Not Including SD=0			% of trials method had lowest SD for an individual gun
#MAX SD	#MIN SD	#MAX SD	
41	4	45	8.2%
8	45	4	91.8%

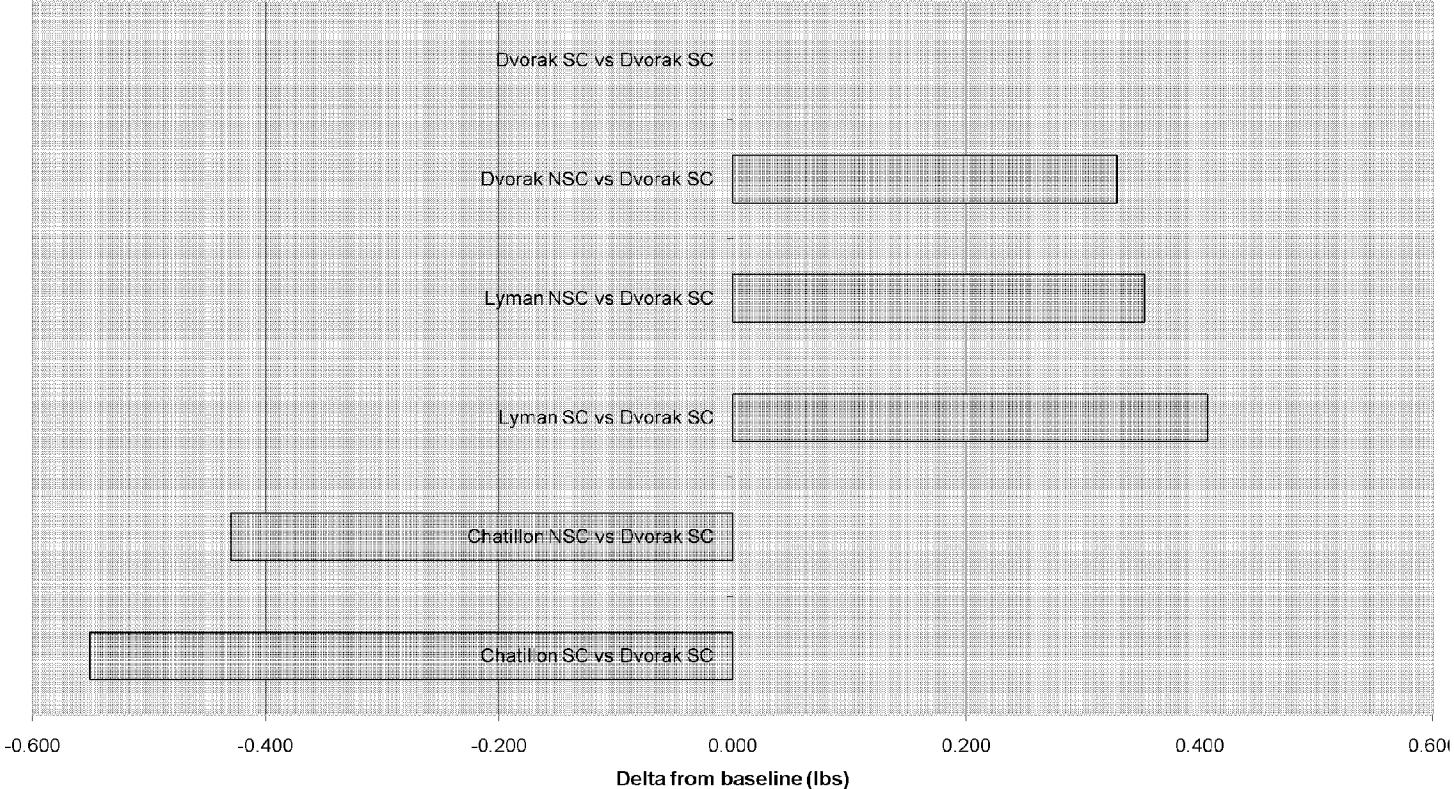
				nonconformin	
				%	d
# < LSL	# > USL	# OUT			
4	0	4		8.2%	
4	0	4		8.2%	
0	11	11		22.4%	
1	9	10		20.4%	
2	6	8		16.3%	
0	10	10		20.4%	

Chatillon SC Avg
Chatillon NSC Avg
Lyman SC Avg
Lyman NSC Avg
Dvorak SC Avg
Dvorak NSC Avg





Comparison of Mean Measurement Values by Method



	Gun #	SKU	Description	S/N	Date Code	Date	Chatillon Spring Scale SC	Tester	TP1	TP2	TP3	Avg
9/12/2007	35	27053	700 CDL	G6636427	03BB	1/3/2007		JD	3.50	3.50	3.50	3.500
9/12/2007	36	27053	700 CDL	G6636386	03BB	1/3/2007		JD	3.50	3.75	3.50	3.583
9/12/2007	37	27053	700 CDL	G6636450	03BB	1/3/2007		JD	4.50	4.25	4.25	4.333
9/12/2007	31	27053	700 CDL	G6618936	04BB	1/4/2007		JD	5.25	5.00	5.25	5.167
9/12/2007	32	27053	700 CDL	G6635711	04BB	1/4/2007		JD	4.00	4.25	4.50	4.250
9/12/2007	33	27053	700 CDL	G6588956	04BB	1/4/2007		JD	5.00	5.00	5.25	5.083
9/12/2007	38	27053	700 CDL	G6588913	04BB	1/4/2007		JD	4.00	3.75	3.50	3.750
9/12/2007	34	27053	700 CDL	G6635930	08BB	1/8/2007		JD	4.25	4.00	4.00	4.083
9/11/2007	6	27049	700 CDL	G6636576	10BB	1/10/2007		JD	4.50	5.00	4.75	4.750
			700 SPS									
			Buckmasters									
9/11/2007	13	84174	Camo	F6300481	17BB	1/17/2007		JD	4.50	4.50	4.25	4.417
			700 SPS									
			Buckmasters									
9/12/2007	39	84171	Camo	G6639742	19BB	1/19/2007		JD	3.25	3.00	3.00	3.083
			700 SPS									
			Buckmasters									
9/12/2007	40	84171	Camo	G6639723	19BB	1/19/2007		JD	4.25	4.50	4.50	4.417
			700 SPS									
			Buckmasters									
9/12/2007	41	84171	Camo	G6642690	19BB	1/19/2007		JD	4.50	4.50	4.75	4.583
			700 SPS									
			Buckmasters									
9/12/2007	42	84171	Camo	G6642664	19BB	1/19/2007		JD	5.25	5.00	4.75	5.000
			700 SPS									
			Buckmasters									
9/12/2007	43	84171	Camo	G6641189	19BB	1/19/2007		JD	3.50	3.75	3.75	3.667
			700 SPS									
			Buckmasters									
9/12/2007	44	84171	Camo	G6642714	19BB	1/19/2007		JD	4.00	4.00	4.00	4.000
9/11/2007	15	84012	700 CDL SF	S6598705	29BB	1/29/2007		JD	4.75	4.75	4.50	4.667
9/11/2007	8	27047	700 CDL	G6636100	01LB	2/1/2007		JD	3.75	3.50	3.50	3.583
9/11/2007	11	84270	700 Mtn LSS	S6599579	02LB	2/2/2007		JD	4.25	4.00	4.00	4.083
9/11/2007	20	27011	700 CDL	G6635553	05LB	2/5/2007		JD	3.75	3.75	3.75	3.750
9/11/2007	21	27011	700 CDL	G6635543	05LB	2/5/2007		JD	4.00	4.00	4.25	4.083
9/12/2007	45	27335	700 SPS DM	D6629503	06LB	2/6/2007		JD	4.00	4.00	4.25	4.083
9/12/2007	46	27335	700 SPS DM	D6629533	06LB	2/6/2007		JD	3.25	3.00	3.00	3.083
9/11/2007	22	27339	700 SPS DM	G6644808	07LB	2/7/2007		JD	4.50	4.50	4.25	4.417
9/11/2007	23	27339	700 SPS DM	G6644642	07LB	2/7/2007		JD	4.00	5.25	5.25	4.833
9/11/2007	24	27339	700 SPS DM	G6644626	07LB	2/7/2007		JD	4.25	4.25	4.25	4.250
9/11/2007	25	27339	700 SPS DM	G6644667	07LB	2/7/2007		JD	5.00	5.00	4.75	4.917
9/11/2007	26	27339	700 SPS DM	G6644531	07LB	2/7/2007		JD	4.50	4.50	4.50	4.500
9/11/2007	27	27339	700 SPS DM	D6631039	07LB	2/7/2007		JD	4.00	4.00	4.00	4.000
9/11/2007	28	27339	700 SPS DM	G6644822	07LB	2/7/2007		JD	4.50	4.50	4.75	4.583
9/12/2007	47	27335	700 SPS DM	G6644775	07LB	2/7/2007		JD	4.00	4.25	4.25	4.167
9/12/2007	48	27335	700 SPS DM	D6630873	07LB	2/7/2007		JD	4.00	4.25	4.50	4.250
9/12/2007	49	27335	700 SPS DM	G6644706	07LB	2/7/2007		JD	3.00	3.00	3.00	3.000

SD	Chatillon Spring Scale NSC	Tester	TP1	TP2	TP3	Avg	SD	Lyman Digital Scale SC	Tester	TP1	TP2
0.000		JD	3.50	3.75	3.50	3.583	0.144		JD	4.875	4.688
0.144		JD	3.50	3.50	3.50	3.500	0.000		JD	4.375	4.625
0.144		JD	4.75	4.25	4.25	4.417	0.289		JD	5.438	5.125
0.144		JD	5.50	5.75	5.25	5.500	0.250		JD	7.063	6.625
0.250		JD	4.25	4.00	3.75	4.000	0.250		JD	5.125	4.750
0.144		JD	4.75	5.25	5.00	5.000	0.250		JD	6.125	6.125
0.250		JD	3.50	4.50	4.50	4.167	0.577		JD	4.563	4.313
0.144		JD	4.25	3.75	4.25	4.083	0.289		JD	5.063	4.813
0.250		JD	4.75	4.00	4.75	4.500	0.433		JD	6.188	5.500
0.144		JD	4.25	4.25	4.50	4.333	0.144		JD	5.438	5.750
0.144		JD	3.50	3.25	3.00	3.250	0.250		JD	4.875	4.750
0.144		JD	4.25	5.00	4.75	4.667	0.382		JD	5.438	5.438
0.144		JD	4.50	4.75	4.75	4.667	0.144		JD	6.125	5.875
0.250		JD	4.75	5.00	5.00	4.917	0.144		JD	6.063	6.250
0.144		JD	4.00	4.50	4.50	4.333	0.289		JD	4.688	4.750
0.000		JD	4.00	4.50	4.75	4.417	0.382		JD	5.313	4.813
0.144		JD	4.25	5.00	5.50	4.917	0.629		JD	5.500	5.625
0.144		JD	4.25	4.50	4.00	4.250	0.250		JD	4.250	4.500
0.144		JD	4.00	4.25	4.25	4.167	0.144		JD	4.938	4.938
0.000		JD	4.00	4.25	4.25	4.167	0.144		JD	4.375	4.313
0.144		JD	4.00	3.75	3.50	3.750	0.250		JD	5.000	4.813
0.144		JD	4.25	4.00	4.50	4.250	0.250		JD	4.625	5.188
0.144		JD	3.50	3.25	3.25	3.333	0.144		JD	3.813	3.938
0.144		JD	4.25	4.25	4.50	4.333	0.144		JD	5.500	5.125
0.722		JD	5.50	5.00	4.75	5.083	0.382		JD	5.938	5.875
0.000		JD	4.00	4.50	4.75	4.417	0.382		JD	4.875	4.875
0.144		JD	4.50	5.00	4.75	4.750	0.250		JD	5.250	5.688
0.000		JD	4.00	4.00	4.25	4.083	0.144		JD	5.500	5.188
0.000		JD	3.75	3.50	3.75	3.667	0.144		JD	4.875	5.000
0.144		JD	4.00	4.25	4.50	4.250	0.250		JD	4.625	4.875
0.144		JD	3.75	4.00	4.25	4.000	0.250		JD	5.563	5.563
0.250		JD	4.25	4.25	4.25	4.250	0.000		JD	5.438	5.063
0.000		JD	3.50	3.00	3.00	3.167	0.289		JD	3.938	4.063

Lyman Digital Scale NSC			Tester	TP1	TP2	TP3	Avg	SD	Dvorak Device SC	Tester	TP1
4.313	4.625	0.286	JD	2.625	4.438	4.875	3.979	1.193		SW	3.855
4.313	4.438	0.165	JD	5.438	4.813	4.688	4.979	0.402		SW	4.055
4.688	5.083	0.377	JD	4.938	5.313	5.375	5.208	0.237		SW	4.639
6.813	6.833	0.219	JD	6.000	7.625	7.125	6.917	0.832		SW	5.914
5.250	5.042	0.260	JD	5.688	5.313	4.813	5.271	0.439		SW	4.507
6.000	6.083	0.072	JD	6.125	6.375	6.875	6.458	0.382		SW	5.980
4.313	4.396	0.144	JD	4.188	4.188	4.000	4.125	0.108		SW	4.045
4.875	4.917	0.130	JD	5.063	4.938	4.938	4.979	0.072		SW	4.482
5.500	5.729	0.397	JD	4.938	5.750	5.625	5.438	0.438		SW	5.637
5.563	5.583	0.157	JD	5.313	5.125	5.188	5.208	0.095		SW	4.697
4.875	4.833	0.072	JD	5.313	4.250	4.000	4.521	0.697		SW	3.393
5.563	5.479	0.072	JD	5.688	5.688	5.688	5.688	0.000		SW	5.093
5.813	5.938	0.165	JD	5.563	5.750	5.313	5.542	0.219		SW	5.140
6.250	6.188	0.108	JD	6.313	6.375	6.250	6.313	0.063		SW	5.625
4.688	4.708	0.036	JD	4.938	5.625	6.125	5.563	0.596		SW	4.233
5.125	5.083	0.253	JD	4.875	5.313	5.375	5.188	0.272		SW	4.358
5.250	5.458	0.191	JD	4.563	5.375	6.063	5.333	0.751		SW	6.026
4.438	4.396	0.130	JD	3.938	5.125	5.063	4.708	0.668		SW	4.052
4.875	4.917	0.036	JD	3.938	4.688	4.625	4.417	0.416		SW	4.140
4.625	4.438	0.165	JD	4.625	4.938	4.813	4.792	0.157		SW	4.346
4.688	4.833	0.157	JD	4.375	4.313	4.438	4.375	0.063		SW	4.161
5.063	4.968	0.295	JD	4.625	5.188	4.875	4.896	0.282		SW	4.850
3.875	3.875	0.063	JD	4.000	3.813	3.875	3.896	0.095		SW	4.850
5.250	5.292	0.191	JD	5.188	5.188	5.313	5.229	0.072		SW	5.226
5.750	5.854	0.095	JD	5.875	5.125	5.375	5.458	0.382		JR	5.071
4.875	4.875	0.000	JD	4.938	4.813	4.938	4.896	0.072		SW	4.612
5.125	5.354	0.295	JD	4.750	5.563	5.188	5.167	0.407		SW	5.147
5.563	5.417	0.201	JD	3.063	5.438	5.000	4.500	1.264		SW	5.217
4.875	4.917	0.072	JD	5.188	4.688	4.563	4.813	0.331		JR	3.818
4.688	4.729	0.130	JD	4.438	5.188	5.000	4.875	0.390		SW	4.845
5.250	5.458	0.180	JD	4.813	5.313	5.125	5.083	0.253		SW	4.907
5.563	5.354	0.260	JD	5.563	5.313	5.313	5.396	0.144		SW	4.483
3.688	3.896	0.191	JD	4.250	3.875	4.313	4.146	0.237		SW	4.077

TP2	TP3	TP4	TP5	Avg	SD	Dvorak Device NSC	Tester	TP1	TP2	TP3	TP4	TP5	Avg	SD
4.153	4.171	4.145	3.973	4.059	0.139		SW	4.573	4.622	4.538	4.446	4.499	4.536	0.068
3.907	4.114	4.133	3.928	4.027	0.105		SW	4.198	4.174	4.120	4.258	3.936	4.137	0.123
4.249	4.998	4.698	4.647	4.646	0.267		SW	4.858	4.595	4.903	4.851	4.877	4.817	0.126
5.623	5.911	6.034	5.644	5.825	0.182		SW	6.353	5.992	6.468	6.576	5.797	6.237	0.330
4.361	4.676	4.572	4.461	4.515	0.118		SW	4.909	4.866	4.572	4.607	4.694	4.730	0.152
5.920	5.979	5.886	5.968	5.947	0.042		SW	6.469	6.044	6.572	6.480	6.533	6.420	0.214
4.146	4.248	4.428	4.185	4.210	0.142		SW	4.668	4.498	4.507	4.421	4.346	4.488	0.120
4.331	4.336	4.342	4.817	4.462	0.208		SW	4.645	4.444	4.691	4.416	4.518	4.543	0.121
6.023	5.458	5.788	5.952	5.772	0.230		SW	6.009	5.962	5.763	5.853	5.806	5.879	0.104
4.702	4.806	4.811	4.788	4.761	0.057		SW	4.879	4.723	4.700	4.696	4.754	4.750	0.076
3.396	3.450	3.430	3.407	3.415	0.024		SW	4.072	3.444	3.592	3.691	3.434	3.647	0.261
5.026	5.078	5.105	5.190	5.098	0.059		SW	4.891	5.099	4.874	4.913	5.032	4.962	0.099
5.036	5.049	5.122	5.033	5.076	0.051		SW	5.045	5.131	5.185	5.226	5.250	5.167	0.082
5.551	5.610	5.630	5.644	5.612	0.036		SW	5.512	5.709	5.655	5.501	5.529	5.581	0.095
4.218	4.355	4.228	4.323	4.271	0.063		SW	5.903	5.144	5.331	5.311	5.377	5.413	0.288
4.536	4.350	4.448	4.433	4.425	0.076		SW	5.445	5.642	5.680	5.731	5.061	5.512	0.274
5.981	5.399	5.659	5.861	5.785	0.258		SW	6.018	5.847	5.674	5.344	5.481	5.673	0.271
4.105	4.064	4.046	4.057	4.065	0.023		SW	4.752	4.326	4.451	4.828	4.877	4.647	0.244
4.318	4.374	4.436	4.141	4.282	0.136		SW	4.685	4.608	4.739	4.565	4.736	4.707	0.126
4.436	4.258	4.311	4.299	4.330	0.067		SW	5.396	5.042	5.360	5.380	5.048	5.243	0.182
3.999	4.096	4.308	3.858	4.084	0.169		SW	4.320	4.309	4.213	3.914	4.047	4.161	0.176
4.823	4.821	4.866	4.926	4.857	0.043		SW	5.258	5.258	5.334	5.089	5.141	5.216	0.099
4.823	4.821	4.866	4.926	4.857	0.043		SW	5.258	5.258	5.334	5.089	5.141	5.216	0.099
5.110	5.220	5.178	5.220	5.191	0.049		SW	5.155	5.139	5.107	5.281	5.138	5.164	0.068
5.164	5.032	5.348	4.991	5.121	0.142		JR	5.035	5.062	4.964	5.082	5.096	5.048	0.052
4.590	4.599	4.618	4.599	4.604	0.011		SW	5.445	5.115	4.782	5.193	5.019	5.111	0.242
5.269	4.953	5.093	4.979	5.088	0.129		SW	5.236	5.434	5.115	5.157	5.098	5.208	0.137
5.233	5.040	5.134	5.106	5.146	0.080		SW	5.005	4.957	5.039	5.117	4.984	5.020	0.062
3.901	3.907	3.935	3.975	3.907	0.058		SW	4.523	4.577	4.823	4.674	4.598	4.639	0.116
4.885	4.958	5.004	5.018	4.938	0.079		SW	5.402	5.392	5.539	5.502	5.540	5.475	0.073
5.028	4.870	4.984	5.046	4.967	0.076		SW	5.127	5.077	5.044	5.020	5.069	5.067	0.040
4.710	4.555	4.713	4.768	4.646	0.121		SW	5.039	5.058	5.029	5.078	4.923	5.025	0.060
3.962	4.037	3.892	3.984	3.990	0.071		SW	4.237	4.234	4.444	4.447	4.419	4.356	0.111

9/12/2007	50	27335	700 SPS DM	G6644895	07LB	2/7/2007	JD	4.25	4.00	3.75	4.000
9/11/2007	16	84217	700 SPS Varmint	G6646024	16LB	2/16/2007	JD	4.50	5.00	5.00	4.833
9/11/2007	17	84217	700 SPS Varmint	G6647888	16LB	2/16/2007	JD	4.50	4.50	4.50	4.500
9/11/2007	12	27343	700 SPS DM	D6631154	23LB	2/23/2007	JD	5.00	5.00	5.00	5.000
9/11/2007	7	27142	700 SPS SS DM Camo	T6266701	21KB	5/21/2007	JD	4.00	3.75	3.75	3.833
9/11/2007	5	84055	700 CDL B&C	G6664380	12OB	7/12/2007	JD	4.25	4.75	4.50	4.500
9/11/2007	10	84054	700 CDL B&C	G6670533	25OB	7/25/2007	JD	3.50	3.75	3.50	3.583
9/11/2007	9	27143	700 SPS SS DM Camo	T6267293	02WB	8/2/2007	JD	4.25	4.25	4.50	4.333
9/11/2007	4	84050	700 CDL B&C	G6664552	15WB	8/15/2007	JD	4.75	4.75	4.75	4.750
9/11/2007	18	84051	700 CDL B&C	G6663602	15WB	8/15/2007	JD	3.75	3.75	3.75	3.750
9/11/2007	19	84051	700 CDL B&C	G6663521	15WB	8/15/2007	JD	4.00	4.00	3.50	3.833
9/11/2007	3	27259	700 VSF	G6657024	20WB	8/20/2007	JD	3.00	3.25	3.00	3.083
9/11/2007	14	84262	700 Ti	TT009198	21WB	8/21/2007	JD	4.75	4.75	4.75	4.750
9/11/2007	1	27092	700 ADL Youth Syn Scoped	G6681961	22WB	8/22/2007	JD	4.50	4.50	4.25	4.417
9/11/2007	2	27097	700 ADL Synthetic Scoped	G6676852	24WB	8/24/2007	JD	4.25	4.00	4.00	4.083
9/11/2007	29	27095	700 ADL Syn Scoped	G6679354	30WB	8/30/2007	JD	4.25	4.25	4.25	4.250
9/11/2007	30	27095	700 ADL Syn Scoped	G6679368	30WB	8/30/2007	JD	4.50	4.25	4.25	4.333

JD	<u>5.250</u>	5.188
JD	<u>6.313</u>	6.000
JD	<u>5.500</u>	5.688
JD	<u>7.000</u>	6.375
JD	<u>4.668</u>	4.625
JD	<u>5.500</u>	5.500
JD	<u>4.250</u>	4.250
JD	<u>5.250</u>	5.000
JD	<u>6.125</u>	5.563
JD	<u>4.750</u>	4.500
JD	<u>4.625</u>	4.438
JD	<u>3.875</u>	3.688
JD	<u>6.625</u>	6.563
JD	<u>5.438</u>	5.563
JD	<u>5.250</u>	5.750
JD	<u>5.375</u>	5.125
JD	<u>5.250</u>	5.063

JD	<u>4.00</u>	4.00	<u>4.25</u>	<u>4.083</u>	0.144
JD	<u>5.00</u>	5.25	<u>5.25</u>	<u>5.167</u>	0.144
JD	<u>4.50</u>	4.50	<u>4.50</u>	<u>4.500</u>	0.000
JD	<u>5.00</u>	5.00	<u>5.00</u>	<u>5.000</u>	0.000
JD	<u>4.00</u>	4.00	<u>4.00</u>	<u>4.000</u>	0.000
JD	<u>5.50</u>	5.00	<u>4.75</u>	<u>5.083</u>	0.382
JD	<u>3.25</u>	4.00	<u>4.00</u>	<u>3.750</u>	0.433
JD	<u>4.25</u>	4.25	<u>4.00</u>	<u>4.167</u>	0.144
JD	<u>4.00</u>	4.75	<u>4.50</u>	<u>4.417</u>	0.382
JD	<u>4.00</u>	4.00	<u>4.25</u>	<u>4.083</u>	0.144
JD	<u>4.50</u>	4.50	<u>4.00</u>	<u>4.333</u>	0.289
JD	<u>3.50</u>	3.50	<u>3.25</u>	<u>3.417</u>	0.144
JD	<u>5.00</u>	4.75	<u>4.50</u>	<u>4.750</u>	0.250
JD	<u>4.50</u>	5.50	<u>5.75</u>	<u>5.250</u>	0.661
JD	<u>4.00</u>	4.50	<u>4.25</u>	<u>4.250</u>	0.250
JD	<u>4.75</u>	5.00	<u>4.50</u>	<u>4.750</u>	0.250
JD	<u>4.75</u>	4.25	<u>4.50</u>	<u>4.500</u>	0.250

<u>0.250</u>
<u>0.289</u>
<u>0.000</u>
<u>0.000</u>
<u>0.144</u>
<u>0.250</u>
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<u>0.144</u>
<u>0.000</u>
<u>0.144</u>

SW	5.025
JR	4.833
SW	4.838
SW	5.574
SW	4.857
SW	5.131
SW	3.782
SW	4.633
SW	5.294
SW	4.263
SW	3.689
SW	3.407
SW	5.394
JR	4.336
SW	5.712
SW	4.625
SW	5.162

JD	4.813	5.313	5.375	5.167	0.308
JD	5.938	6.188	5.875	6.000	0.165
JD	4.500	5.500	5.625	5.208	0.617
JD	6.688	6.750	7.000	6.813	0.165
JD	4.313	4.875	5.000	4.729	0.366
JD	4.813	6.000	5.375	5.396	0.594
JD	4.000	4.875	4.875	4.563	0.505
JD	4.875	4.938	5.063	4.958	0.095
JD	3.688	6.000	5.688	5.125	1.255
JD	5.188	4.938	4.688	4.938	0.250
JD	4.063	4.188	4.063	4.104	0.072
JD	2.125	4.125	3.813	3.354	1.076
JD	5.875	6.000	5.750	5.875	0.125
JD	5.625	7.313	6.875	6.604	0.876
JD	4.438	5.938	5.563	5.313	0.781
JD	5.438	5.438	5.250	5.375	0.108
JD	4.813	5.063	5.000	4.958	0.130

5.063	5.167	0.095
5.875	6.063	0.225
5.250	5.479	0.219
6.188	6.521	0.425
4.938	4.750	0.165
5.250	5.417	0.144
4.125	4.208	0.072
5.188	5.146	0.130
5.500	5.729	0.344
4.563	4.604	0.130
4.313	4.458	0.157
3.750	3.771	0.095
6.313	6.500	0.165
5.500	5.500	0.063
5.625	6.542	0.260
4.813	5.104	0.282
5.500	5.271	0.219

SW	5.406	5.281	5.317	5.392	5.331	<u>5.345</u>	0.052
JR	5.253	5.434	5.491	5.503	5.789	<u>5.494</u>	0.193
SW	5.274	5.241	5.237	5.270	5.250	<u>5.254</u>	0.017
SW	6.072	6.044	6.001	6.010	6.096	<u>6.045</u>	0.040
SW	5.265	5.547	5.465	5.480	5.465	<u>5.444</u>	0.106
SW	5.076	5.391	5.796	6.050	5.715	<u>5.608</u>	0.378
SW	4.712	4.005	4.388	4.307	4.309	<u>4.344</u>	0.252
SW	5.282	5.062	4.980	4.918	4.931	<u>5.035</u>	0.149
SW	5.316	6.388	5.586	6.272	6.212	<u>5.955</u>	0.474
SW	4.111	4.550	4.221	4.155	4.518	<u>4.311</u>	0.208
SW	3.862	3.981	3.646	3.792	3.888	<u>3.834</u>	0.125
SW	3.380	3.591	3.604	3.636	3.597	<u>3.562</u>	0.103
SW	5.764	5.773	5.832	5.898	5.986	<u>5.851</u>	0.093
JR	6.344	6.336	6.305	6.722	6.573	<u>6.456</u>	0.183
SW	5.505	5.394	5.266	5.294	5.084	<u>5.309</u>	0.157
SW	5.180	4.887	4.966	4.431	5.060	<u>4.905</u>	0.287
SW	5.495	5.390	5.366	5.264	5.392	<u>5.381</u>	0.082

5.271	5.089	4.829	5.279	<u>5.099</u>	0.187
4.838	4.826	4.762	4.786	<u>4.809</u>	0.033
4.788	4.787	4.802	4.781	<u>4.799</u>	0.023
5.796	5.642	5.817	5.759	<u>5.718</u>	0.105
4.838	4.894	4.829	4.773	<u>4.838</u>	0.044
5.017	5.159	5.155	5.170	<u>5.126</u>	0.063
3.974	3.956	4.034	4.142	<u>3.978</u>	0.131
4.832	4.915	4.913	4.880	<u>4.835</u>	0.118
5.102	5.275	5.472	5.672	<u>5.363</u>	0.217
4.214	3.807	4.174	4.102	<u>4.112</u>	0.180
3.802	4.119	3.877	3.843	<u>3.866</u>	0.158
3.606	3.608	3.260	3.455	<u>3.467</u>	0.146
5.666	6.046	5.775	5.800	<u>5.736</u>	0.236
4.396	4.379	4.412	4.319	<u>4.368</u>	0.040
5.423	5.089	5.699	5.302	<u>5.445</u>	0.266
4.761	4.972	4.673	4.683	<u>4.743</u>	0.137
5.285	5.126	5.124	5.176	<u>5.175</u>	0.066

Cell: A1

Comment: metrology1:

normal testing order was spring scale NSC - spring scale SC - Lyman NSC - Lyman SC - Dvorak SC - Dvorak NSC

SC = safety cycling

NSC = no safety cycling

Cell: Q20

Comment: metrology1:

measured second

Cell: AG20

Comment: metrology1:

measured first

Cell: B38

Comment: metrology1:

OLD TRIGGER

Cell: Q38

Comment: metrology1:

measured second

Cell: AG38

Comment: metrology1:

measured first