

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	24VWB	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	5.063	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	3.643	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	3.928	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	4.846	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	700 ADL					700 SPS		700 SPS		
S/N	Youth Syn	Synthetic		700 CDL	700 CDL		SS DM		SS DM	700 CDL	700 Mtn
	Scoped	Scoped	700 VSF	B&C	B&C	700 CDL	Camo	700 CDL	Camo	B&C	LSS
	G66831961	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	0.275	0.181	0.076	0.265	0.694	0.438	0.386	0.868	0.095	0.605	0.418
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	0.148	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
Chatillon NSC SD	0.661	0.250	0.144	0.382	0.382	0.433	0.000	0.250	0.144	0.433
Dvorak SC SD	0.040	0.266	0.146	0.217	0.063	0.230	0.044	0.023	0.118	0.131
Dvorak NSC SD	0.183	0.157	0.103	0.474	0.378	0.104	0.106	0.244	0.148	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
Dvorak SC SD	0.040	0.266	0.146	0.217	0.063	0.230	0.044	0.023	0.118	0.131

MAX SD

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
F6300481	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	0.269	0.000	0.000	0.269	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	0.269	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	0.181	0.095	0.000	0.295	0.201	0.072	0.130
0.095	0.125	0.751	0.165	0.612	0.266	0.072	0.157	0.063	0.072	0.382	0.072	0.407	1.264	0.331	0.381
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	0.083	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	0.269	0.000	0.000	0.269	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	0.269	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	0.083	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	0.269	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

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 Syn Scoped G6679354	700 ADL Syn Scoped G6679368	700 CDL G6618936	700 CDL G6635711	700 CDL G6588956	700 CDL G6635930	700 CDL G6636427	700 CDL G6636386	700 CDL G6636450	700 CDL G6588913	700 SPS Buckmaste rs Camo G6639742	700 SPS Buckmaste rs Camo G6639723	700 SPS Buckmaste rs Camo G6642690	700 SPS Buckmaste rs Camo G6642664	700 SPS Buckmaste rs Camo G6641189	700 SPS Buckmaste rs Camo 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	3.58	3.50	4.42	4.17	3.25	4.67	4.67	4.92	4.33	4.42
5.10	5.27	6.83	5.04	6.08	4.92	4.63	4.44	5.08	4.40	4.83	5.48	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	5.58	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	0.46	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	-0.08	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	0.43	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	0.377	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	0.382	0.438	0.382	0.072	1.183	0.482	0.237	0.108	0.597	0.000	0.219	0.063	0.686	0.272
0.137	0.066	0.182	0.118	0.042	0.208	0.139	0.105	0.267	0.142	0.024	0.059	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
0.000	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	0.377	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	0.059	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
0.250	0.250	0.250	0.250	0.250	0.289	0.144	0.000	0.289	0.377	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	0.059	0.051	0.036	0.063	0.076

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														
D6629503	D6629533	G6644775	D6630873	G6644706	G6644895	Avg	SD	Max	Min	Range	Sample Min (mean - 3 SD)	Sample Max (mean + 3 SD)	# < LSL	# > USL	# OUT	% nonconforming			
4.08	3.08	4.17	4.25	3.00	4.00	4.18	0.54	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	4.30	0.53	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	5.14	0.65	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	5.08	0.69	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	4.73	0.62	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	5.06	0.65	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													

											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	0.289	0.191	0.095	0.170	0.080	0.397	0.000	0.397	5	5	5	5
0.282	0.095	0.283	0.144	0.237	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	0.085	0.474	0.017	0.457	6	3	11	3
											51	50	49	50

											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	0.085	0.474	0.017	0.457	11	7	16	7
											50	54	49	55

											Including SD = 0		Not including SD=0	
											#MIN SD	#MAX SD	#MIN SD	#MAX SD
0.250	0.144	0.250	0.000	0.289	0.144	0.248	0.146	0.661	0.000	0.661	8	41	4	45
0.043	0.043	0.076	0.121	0.071	0.187	0.110	0.072	0.267	0.011	0.255	41	8	45	4
											49	49	49	49

MIN SD
MIN SD ± 0

Dvorak SC SD
Dvorak NSC SD

0.040	0.266	0.146	0.217	0.063	0.230	0.044	0.023	0.118	0.131	0.136
0.183	0.157	0.103	0.474	0.378	0.104	0.106	0.244	0.149	0.252	0.126

0.057 0.236 0.258 0.033 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 0.208 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 0.142 0.024 0.059 0.051 0.036 0.063 0.076
0.287 0.082 0.330 0.152 0.214 0.121 0.063 0.123 0.126 0.261 0.099 0.082 0.095 0.288 0.274

0.043 0.043 0.076 0.121 0.071 0.109 0.072 0.267 0.011 0.255
0.089 0.099 0.040 0.080 0.111 0.156 0.085 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

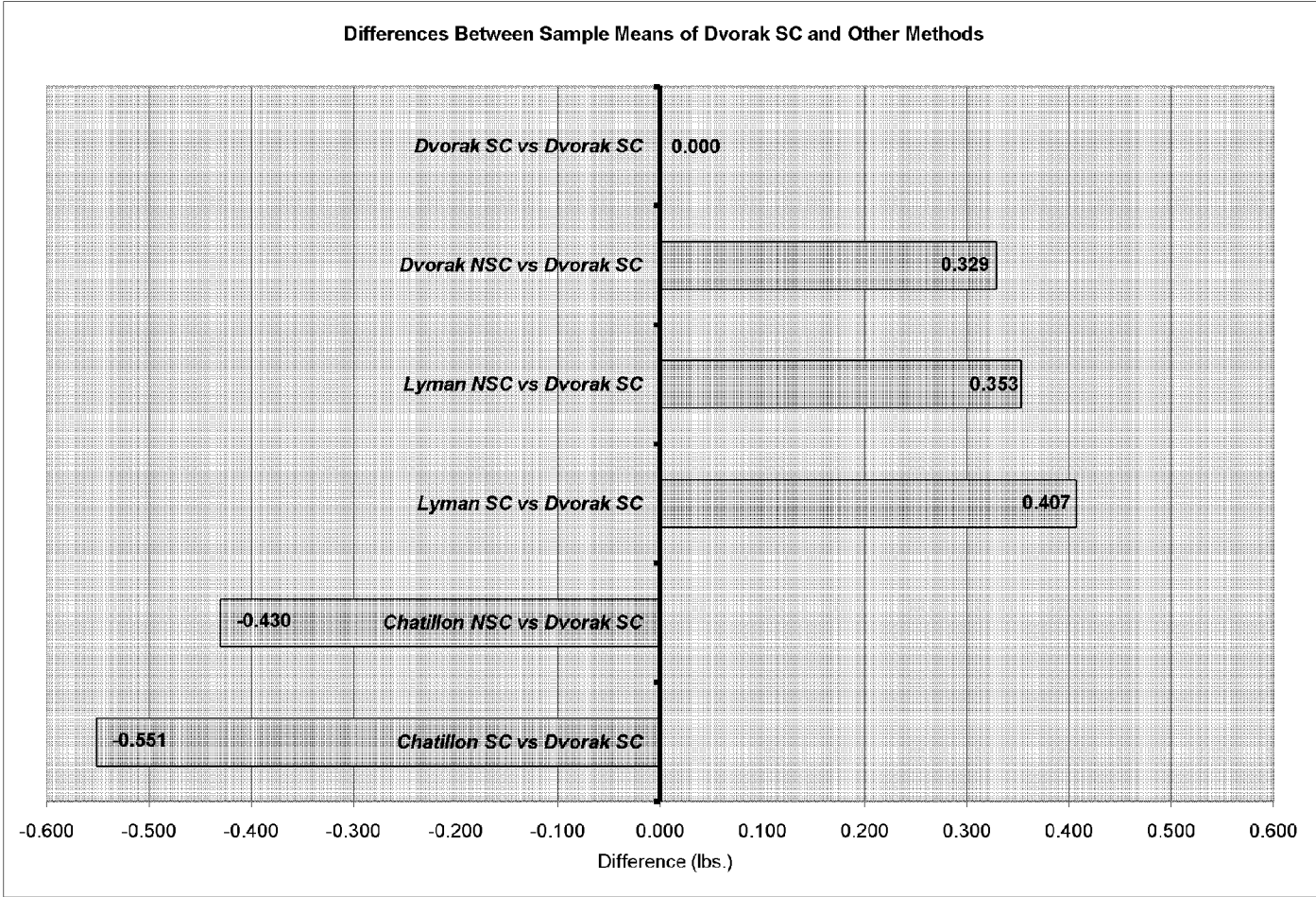
Comment: Jim Ronkainen:
includes 5 ties for MAX, hence sum > number of samples

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



	Avg	SD	Max	Min	Range	Sample Min (mean - 3 SD)
Chatillon SC Avg	4.179	0.535	5.167	3.000	2.167	2.573
Chatillon NSC Avg	4.299	0.529	5.500	3.167	2.333	2.712
Lyman SC Avg	5.136	0.655	6.833	3.771	3.063	3.173
Lyman NSC Avg	5.082	0.692	6.917	3.354	3.563	3.007
Dvorak SC Avg	4.729	0.619	5.947	3.415	2.531	2.871
Dvorak NSC Avg	5.059	0.647	6.456	3.562	2.894	3.118
Chatillon SC vs Dvorak SC	-0.551					
Chatillon NSC vs Dvorak SC	-0.430					
Lyman SC vs Dvorak SC	0.407					
Lyman NSC vs Dvorak SC	0.353					
Dvorak NSC vs Dvorak SC	0.329					
Dvorak SC vs Dvorak SC	0.000					
Comparison of Method SD - ALL						Including SD = 0
Chatillon SC SD	0.142	0.121	0.722	0.000	0.722	#MIN SD 15
Chatillon NSC SD	0.248	0.146	0.661	0.000	0.661	4
Lyman SC SD	0.170	0.090	0.397	0.000	0.397	5
Lyman NSC SD	0.395	0.333	1.264	0.000	1.264	6
Dvorak SC SD	0.110	0.072	0.267	0.011	0.255	15
Dvorak NSC SD	0.154	0.095	0.474	0.017	0.457	6
Comparison of Method SD - standard processes						Including SD = 0
Chatillon NSC SD	0.248	0.146	0.661	0.000	0.661	#MIN SD 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	% nonconform ing
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	#MAX SD
5		3	5
10		0	10
5		5	5
27		6	27
0		24	0
3		11	3

Not Including SD=0				% of trials method had lowest SD for an individual gun
#MAX SD	#MIN SD	#MAX SD	#MAX SD	
41		4	45	8.2%
3		45	4	91.8%

Comparison of Mean Measurement Values by Method

