

PROJECT# 241095

TLW 0300AD, AE, AF

MODEL 710 T&P POI AND GROUP SIZE. SYSTEM STABILITY TEST/ BUSHNELL SCOPE

GUN	ROUNDS	AMMO	GROUP SIZE			Overall Mean	Mean Radial POI
			GROUP#1	GROUP#2	GROUP#3		
B21	0	REM R30064 180GR	1.776	2.941	1.681		
			X POI SHOT#1	-1.641	0.765	-0.357	-1.2224 0.072 -0.783 -0.64
			Y	0.739	0.214	0.33	0.513 0.4508 0.4638 0.48
			X POI SHOT#2	-0.38	2.475	0.02	
			Y	-0.031	0.34	1.08	
			X POI SHOT#3	-0.7	0.145	3.55	
			Y	1.136	0.186	0.032	
			X POI SHOT#4	-2.154	-0.305	0.815	
			Y	0.101	0.82	0.267	
			X POI SHOT#5	-1.237	-2.72	-1.413	
			Y	0.62	0.708	0.61	
B21	20	REM R30064 180GR	GROUP SIZE				
			GROUP#1	GROUP#2	GROUP#3		
			1.688	1.27	1.713		
			X POI SHOT#1	-0.66	0.315	-0.283	-0.277 0.139 -0.655 -0.36
			Y	-0.259	0.75	0.013	0.111 0.116 0.481 0.58
			X POI SHOT#2	-1	-0.045	-0.012	
			Y	-0.227	1.468	0.254	
			X POI SHOT#3	0.103	0.156	-0.908	
			Y	0.36	0.723	-0.124	
			X POI SHOT#4	-0.172	-0.402	-1.365	
B21	40	REM R30064 180GR	Y	-0.082	1.402	1.302	
			X POI SHOT#5	0.344	-0.719	-0.707	
			Y	0.763	1.457	0.96	
			GROUP SIZE				
			GROUP#1	GROUP#2	GROUP#3		
			1.235	1.359	1.161		
			X POI SHOT#1	-0.576	-0.862	0.058	-0.458 -0.4416 -0.1286 -0.34
			Y	1.11	1.082	0.816	1.033 0.5624 1.2208 0.94
			X POI SHOT#2	0.332	0.017	-0.204	
			Y	0.792	0.773	1.962	
B22	0	REM R30064 180GR	X POI SHOT#3	-0.861	0.167	-0.124	
			Y	1.004	0.645	1.236	
			X POI SHOT#4	-0.866	-0.852	-0.046	
			Y	1.06	0.572	1.132	
			X POI SHOT#5	-0.319	-0.678	-0.327	
			Y	1.199	-0.26	0.958	
			GROUP SIZE				
			GROUP#1	GROUP#2	GROUP#3		
			1.845	1.92	2.011		
			X POI SHOT#1	0.722	0.525	-0.344	0.0566 0.469 0.0278 0.18

Y 0.868 0.797 -0.68 0.014 -0.4454 -1.061 -0.50 -0.54

X POI SHOT#2 -0.269 0.424 0.757

Y -0.425 -0.448 -1.58

X POI SHOT#3 -0.04 0.4 -1.21

Y -0.115 -0.742 -1.276

X POI SHOT#4 -0.556 0.209 0.7

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			-0.441	0.0718	1.057				
X	POI SHOT#5		0.426	0.787	0.236				
Y			0.183	1.116	0.312				
GROUP SIZE									
GUN	ROUNDS	AMMO	GROUP#1	GROUP#2	GROUP#3				
B22	20	REM R30064 180GR	1.843	1.201	-1.781				
X	POI SHOT#1		-0.89	-0.619	-1.579	-0.777	-0.9456	-1.7506	-1.16
Y			-3.237	-3.263	-2.769	-3.2268	-2.8884	-2.2248	-2.76
X	POI SHOT#2		0.107	-1.422	-2.307				
Y			-2.93	-2.416	-2.407				
X	POI SHOT#3		-0.818	-0.987	-0.885				
Y			-3.713	-2.547	-1.546				
X	POI SHOT#4		-1.523	-0.854	-0.698				
Y			-3.738	-2.743	-2.55				
X	POI SHOT#5		-0.761	-0.846	-1.484				
Y			-2.516	-3.473	-2.552				
GROUP SIZE									
GUN	ROUNDS	AMMO	GROUP#1	GROUP#2	GROUP#3				
B22	40	REM R30064 180GR	0.963	1.427	3.412				
X	POI SHOT#1		0.113	0.037	-1.923	0.005	0.2968	-2.6226	-0.97
Y			-1.533	-2.57	0.778	-1.9272	-2.2578	0.272	-1.30
X	POI SHOT#2		0.354	-0.6	-2.43				
Y			-2.023	-1.51	-0.58				
X	POI SHOT#3		0.07	-0.476	-2.65				
Y			-2.123	-2.209	-0.4				
X	POI SHOT#4		0.089	-0.298	-2.19				
Y			-2.11	-2.158	2.248				
X	POI SHOT#5		-0.601	-0.147	-3.92				
Y			-1.847	-2.842	-0.686				
GROUP SIZE									
GUN	ROUNDS	AMMO	GROUP#1	GROUP#2	GROUP#3				
B23	0	REM R30064 180GR	0.918	1.968	1.868				
X	POI SHOT#1		0	0	1.265	-0.3636	-0.1302	0.1522	-0.11
Y			-0.65	-0.893	-0.542	-0.512	-0.7342	-1.098	-0.78
X	POI SHOT#2		-0.518	0.851	0.112				
Y			-0.74	-0.883	-0.536				
X	POI SHOT#3		0.18	-0.338	0.112				
Y			-0.26	-1.298	-0.536				
X	POI SHOT#4		-0.74	-1.003	-0.344				
Y			-0.455	-0.283	-1.695				
X	POI SHOT#5		-0.74	-0.101	-0.384				
Y			-0.455	-0.314	-2.181				
GROUP SIZE									
GUN	ROUNDS	AMMO	GROUP#1	GROUP#2	GROUP#3				
B23	20	REM R30064 180GR	1.56	1	1.94				
X	POI SHOT#1		-0.967	0.234	0.09	-0.2996	0.0754	0.0332	-0.06
Y			-0.925	-0.625	0.732	-0.8044	-0.1966	-0.6866	-0.56
X	POI SHOT#2		-0.616	0.352	0.328				
Y			-0.4	0.074	-1.098				
X	POI SHOT#3		0.59	-0.105	-0.04				
Y			-0.814	-0.773	-1.123				
X	POI SHOT#4		-0.1	-0.016	0.236				

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Y		-1.171	0.094	0.804
X	POI SHOT#5	-0.405	-0.088	0.8448
Y		-0.712	0.247	0.15

GUN	ROUNDS	AMMO	GROUP SIZE		
			GROUP#1	GROUP#2	GROUP#3
B23	40	REM R30064 180GR	1.511	1.678	2.381
	X	POI SHOT#1	-0.206	0.47	-0.83
	Y	POI SHOT#2	-0.747	-0.942	-0.246
	X	POI SHOT#3	-1.035	0.329	0.518
	Y	POI SHOT#4	-1.312	-1.297	0.758
	X	POI SHOT#5	0.244	-0.451	0.143
	Y		-1.479	-0.415	-0.52
	X		-0.714	-0.274	-0.63
	Y		-0.311	-0.014	-0.2
	X		-0.545	-1.048	-0.256
	Y		-1.502	-1.479	-2.535

GUN	ROUNDS	AMMO	GROUP SIZE		
			GROUP#1	GROUP#2	GROUP#3
B24	0	REM R30064 180GR	0.653	0.757	0.917
	X	POI SHOT#1	-0.45	0.236	0.675
	Y	POI SHOT#2	0.747	0.543	0.722
	X	POI SHOT#3	0.168	-0.354	0.134
	Y	POI SHOT#4	0.568	0.39	1.102
	X	POI SHOT#5	0.361	-0.39	-0.255
	Y		0.625	0.108	0.562
	X		-0.32	0.212	0.143
	Y		0.33	0.422	0.702
	X		0.155	-0.3	0.6
	Y		0.14	0.253	0.679

GUN	ROUNDS	AMMO	GROUP SIZE		
			GROUP#1	GROUP#2	GROUP#3
B24	20	REM R30064 180GR	1.886	2.139	1.386
	X	POI SHOT#1	0.341	0.11	-0.221
	Y	POI SHOT#2	0.691	1.657	1.495
	X	POI SHOT#3	-1.144	0.173	-0.268
	Y	POI SHOT#4	1.417	-0.02	0.338
	X	POI SHOT#5	-0.146	0.148	0.43
	Y		0.422	2.14	0.549
	X		0.418	0.029	-0.797
	Y		0.939	1.484	0.922
	X		0.51	0.516	0.463
	Y		0.518	0.948	0.332

GUN	ROUNDS	AMMO	GROUP SIZE		
			GROUP#1	GROUP#2	GROUP#3
B24	40	REM R30064 180GR	1.39	2.045	1.021
	X	POI SHOT#1	0.631	0.748	0.54
	Y	POI SHOT#2	1.34	1.177	1.108
	X	POI SHOT#3	0.885	0.676	0.162
	Y	POI SHOT#4	1.089	1.562	0.966
	X	POI SHOT#5	0	0.522	0.802
	Y		0.915	-0.489	0.643
	X		0.884	0.35	0.754

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Y			1.675	0.973	0.152						
X		POI SHOT#5	1.295	0.493	0.432						
Y			1.351	0.672	0.643						
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GUN	ROUNDS	AMMO	GROUP SIZE								
B25	0	REM R30064 180GR	GROUP#1	GROUP#2	GROUP#3						
			1.597	1.123	1.675						
X		POI SHOT#1	0.876	0.565	0.031	0.4508	0.2106	0.3406	0.33		
Y			0.7	0.953	-0.465	0.9154	0.6632	0.1152	0.56	0.66	
X		POI SHOT#2	0.449	0.446	0.273						
Y			1.107	1.046	0.261						
X		POI SHOT#3	0.765	-0.145	0.664						
Y			0.097	0.101	0.393						
X		POI SHOT#4	0.328	0.481	1.028						
Y			1.283	0.701	0.788						
X		POI SHOT#5	-0.164	-0.294	0.254						
Y			1.39	0.518	0.12						
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GUN	ROUNDS	AMMO	GROUP SIZE								
B25	20	REM R30064 180GR	GROUP#1	GROUP#2	GROUP#3						
			1.964	1.145	0.884						
X		POI SHOT#1	0.306	0.044	-0.26	0.0688	0.2878	-0.1908	0.06		
Y			0.521	1.488	1.245	0.9884	1.1692	1.2442	1.13	1.14	
X		POI SHOT#2	-0.036	0.423	-0.578						
Y			1.373	0.628	1.534						
X		POI SHOT#3	0.082	-0.312	-0.26						
Y			0.92	1.42	1.248						
X		POI SHOT#4	-0.454	0.524	0.2						
Y			0.186	1.267	1.174						
X		POI SHOT#5	0.446	0.76	-0.056						
Y			1.942	1.043	1.02						
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GUN	ROUNDS	AMMO	GROUP SIZE								
B25	40	REM R30064 180GR	GROUP#1	GROUP#2	GROUP#3						
			0.725	1.826	1.174						
X		POI SHOT#1	-0.074	0.392	0.1	-0.228	0.874	0.0808	-0.02		
Y			0.868	0.842	0.482	0.9816	1.1436	1.1808	1.10	1.10	
X		POI SHOT#2	-0.661	-0.329	-0.016						
Y			1.298	0.887	1.316						
X		POI SHOT#3	-0.125	-0.413	-0.383						
Y			1.04	0.354	1.697						
X		POI SHOT#4	-0.198	0.362	0.071						
Y			0.78	2.003	1.283						
X		POI SHOT#5	-0.082	0.358	0.632						
Y			0.922	1.632	1.126						
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GUN	ROUNDS	AMMO	GROUP SIZE								
B26	0	REM R30064 180GR	GROUP#1	GROUP#2	GROUP#3						
			1.183	1.472	1.344						
X		POI SHOT#1	0.25	1.089	1.391	0.7914	1.4632	1.5958	1.28		
Y			0.934	0.999	0.335	0.8286	0.6764	-0.1472	0.45	0.36	
X		POI SHOT#2	0.633	0.998	0.918						
Y			1.28	0.42	0.131						
X		POI SHOT#3	1.214	1.591	1.837						
Y			0.928	0.978	-0.489						
X		POI SHOT#4	0.606	1.35	1.974						

			Y	POI SHOT#5	0.721 1.254 0.28	0.83 2.288 0.155	0.215 0.59 0.928				
GROUP SIZE											
GUN	ROUNDS	AMMO		GROUP#1	GROUP#2	GROUP#3					
B26	20	REM R30064 180GR		1.226	1.395	1.360					
		X	POI SHOT#1	1.178	0.337	0.628	0.9524	0.8242	1.0448	0.94	
		Y		-0.284	0.885	0.507	0.4372	0.33	0.2728	0.35	1.00
		X	POI SHOT#2	0.5	1.653	0.781					
		Y		0.583	0.6	0.52					
		X	POI SHOT#3	0.748	0.665	1.473					
		Y		0.556	-0.37	0.258					
		X	POI SHOT#4	0.888	0.768	0.38					
		Y		0.906	-0.337	-0.58					
		X	POI SHOT#5	1.448	0.698	1.912					
		Y		0.425	0.872	-0.502					
GROUP SIZE											
GUN	ROUNDS	AMMO		GROUP#1	GROUP#2	GROUP#3					
B26	40	REM R30064 180GR		2.218	1.791	3.05					
		X	POI SHOT#1	0.872	0.995	0.182	0.512	0.7336	0.664	0.64	
		Y		0.778	1.017	1.92	0.3666	0.8402	0.6284	0.61	0.88
		X	POI SHOT#2	0.923	0.216	0.54					
		Y		0.802	1.615	1.775					
		X	POI SHOT#3	0.58	0.975	0.58					
		Y		0.702	-0.03	-0.45					
		X	POI SHOT#4	0.69	1.102	0.336					
		Y		0.464	0.936	0.609					
		X	POI SHOT#5	-0.505	0.38	1.682					
		Y		-0.913	0.663	-0.722					
GROUP SIZE											
GUN	ROUNDS	AMMO		GROUP#1	GROUP#2	GROUP#3					
B-27	0	REM R30064 180GR		1.201	1.26	1.4745					
		X	POI SHOT#1	0.201	0.7935	0.4355	0.6763	0.2144	0.86	0.58	
		Y		0	0.9485	0.31	0.1938	0.3108	0.0435	0.18	0.61
		X	POI SHOT#2	0.525	0	1.1285					
		Y		0.9745	0.1405	-0.0505					
		X	POI SHOT#3	0.671	0.1425	0.0795					
		Y		-0.091	-0.143	-0.1195					
		X	POI SHOT#4	1.0975	0.136	1.1355					
		Y		-0.117	0.1255	0.0775					
		X	POI SHOT#5	0.887	0	1.521					
		Y		0.2025	0.4825	0					
GROUP SIZE											
GUN	ROUNDS	AMMO		GROUP#1	GROUP#2	GROUP#3					
B-27	20	REM R30064 180GR		0.957	1.361	1.512					
		X	POI SHOT#1	0.3255	1.36	0.9825	0.9501	1.544	1.3649	1.29	
		Y		0.204	1	1.0995	0.4066	0.4582	0.1621	0.34	0.33
		X	POI SHOT#2	0.9375	1.1165	1.07					
		Y		0.922	0.358	-0.2225					
		X	POI SHOT#3	1.2495	1.2455	1.416					
		Y		0.517	-0.125	0.273					
		X	POI SHOT#4	0.985	2.234	1.566					

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			Y	POI SHOT#5	0.39	0.7055	0.2805				
			X		1.253	1.764	1.779				
			Y		0	0.3525	0.67				
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GUN	ROUNDS	AMMO	GROUP SIZE			GROUP#1	GROUP#2	GROUP#3			
B-27	40	REM R30064 180GR		0.799		0.81		1.631			
			X	POI SHOT#1	1.38	1.632	2.269	1.7674	1.5985	1.9329	1.77
			Y		0.6955	0.833	0.9455	0.4905	0.3615	0.5214	0.46
			X	POI SHOT#2	1.941	1.682	1.653				1.82
			Y		0.373	0.2245	1.165				
			X	POI SHOT#3	1.964	1.49	2.082				
			Y		0.09	0	0.765				
			X	POI SHOT#4	1.554	1.747	1.449				
			Y		0.355	0.5995	0.3975				
			X	POI SHOT#5	1.998	1.4415	1.911				
			Y		0.939	0.1505	0.129				
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GUN	ROUNDS	AMMO	GROUP SIZE			GROUP#1	GROUP#2	GROUP#3			
B-28	0	REM R30064 180GR		1.163		1.281		2.417			
			X	POI SHOT#1	0	-0.36	0.0685	0.1133	0.0553	0.059	0.08
			Y		-1.1635	-1.5315	-0.751	1.1269	0.9761	-0.7427	-0.95
			X	POI SHOT#2	0.249	0	0.2385				0.95
			Y		-1.271	-1.0935	0				
			X	POI SHOT#3	-0.2565	0.4915	0.742				
			Y		-0.5705	-0.6585	0.055				
			X	POI SHOT#4	0.269	0.233	0				
			Y		-1.3305	-0.355	-1.3075				
			X	POI SHOT#5	0.305	-0.088	-0.754				
			Y		-1.299	-1.242	-1.71				
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GUN	ROUNDS	AMMO	GROUP SIZE			GROUP#1	GROUP#2	GROUP#3			
B-28	20	REM R30064 180GR		1.857		1.88		2.357			
			X	POI SHOT#1	0.128	0.171	0	0.0511	0.0077	0.1216	0.06
			Y		-1.05	-1.672	-2.292	-0.6853	-1.1554	-0.9517	-0.93
			X	POI SHOT#2	0.2105	-0.1325	0.176				0.93
			Y		0	-1.5265	0.11				
			X	POI SHOT#3	-0.081	0	0				
			Y		0	-2.0995	-0.421				
			X	POI SHOT#4	-0.4495	0	0.1815				
			Y		-1.6195	-0.299	-1.277				
			X	POI SHOT#5	0.4475	0	0.2505				
			Y		-0.757	-0.18	-0.8765				
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GUN	ROUNDS	AMMO	GROUP SIZE			GROUP#1	GROUP#2	GROUP#3			
B-28	40	REM R30064 180GR		1.936		0.987		1.72			
			X	POI SHOT#1	0.59	0.536	1.1585	0.5485	0.9212	1.0604	0.84
			Y		0	-0.3665	-0.665	-0.8825	-0.6549	-0.7943	-0.78
			X	POI SHOT#2	0.066	1.105	0.9035				1.15
			Y		-1.402	-0.537	-1.012				
			X	POI SHOT#3	-0.425	1.477	0.783				
			Y		-1.199	-0.803	-1.647				
			X	POI SHOT#4	1.121	1.064	1.701				

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			-0.8185	0.5575	-0.148					
GUN	ROUNDS	AMMO	GROUP SIZE	GROUP#1	GROUP#2	GROUP#3				
B-29	0	REM R30064 180GR	1.508	0.688	1.3501					
	X	POI SHOT#1	1.055	0	-0.659					
	Y		-0.798	0.0529	0.0635					
	X	POI SHOT#2	1.319	0	-0.292					
	Y		-0.0385	-0.0975	-0.7355					
	X	POI SHOT#3	0	0	1.41					
	Y		-0.756	0.0285	-0.053					
	X	POI SHOT#4	0.31	0.3175	0.995					
	Y		0.488	0.043	-0.2915					
	X	POI SHOT#5	1.112	0.4925	0.957					
	Y		-0.3745	-0.195	0.142					

GUN	ROUNDS	AMMO	GROUP SIZE				.0002	.02631	0.0061	0.09	0.5
			GROUP#1	GROUP#2	GROUP#3						
B-29	20	REM R30064 180GR	1.987	1.962	0.962						
	X	POI SHOT#1	0.498	0.61	0.3585		1.0608	0.2263	0.4091	0.57	
	Y		0.845	0.7675	0.399		-0.002	0.2631			
	X	POI SHOT#2	1.209	0.724	0.354						
	Y		0.8485	0.401	-0.6285						
	X	POI SHOT#3	0.924	-0.727	0.793						
	Y		-0.9365	-0.5065	0.313						
	X	POI SHOT#4	1.214	0.4095	0						
	Y		0.116	-0.5835	-0.174						
	X	POI SHOT#5	1.459	0.115	0.54						
	Y		-0.863	1.237	0.121						

GUN	ROUNDS	AMMO	GROUP SIZE			.4093	.5715	.458	.48
			GROUP#1	GROUP#2	GROUP#3				
B-29	40	REM R30064 180GR	1.614	0.7185	1.913				
	X	POI SHOT#1	0.561	0.72	0.313				
	Y		-0.0795	-0.4595	1.9085				
	X	POI SHOT#2	0	0.3275	0.418				
	Y		0.428	-0.1275	0.6575				
	X	POI SHOT#3	0.608	0.6675	0.726				
	Y		-0.653	-0.137	0.048				
	X	POI SHOT#4	0.2615	0.2255	0.833				
	Y		0.098	-0.1655	0.7605				
	X	POI SHOT#5	0.616	0.916	0				
	Y		-0.9975	-0.5385	0.386				

GUN	ROUNDS	AMMO	GROUP SIZE			0.9559	1.4428	1.1639	1.19
			GROUP#1	GROUP#2	GROUP#3				
B-30	0	REM R30064 180GR	1.251	1.502	1.671	0.919	0.8775	1.3975	
	X	POI SHOT#1							

Y		-1.989	-1.406	0.207	-1.1833	-1.0336	-0.451	-0.89	1.48
X	POI SHOT#2	1.4815	2.269	1.59					
Y		-1.408	0.766	-0.4005					
X	POI SHOT#3	1.108	1.221	0.122					
Y		-0.7255	-1.109	-0.934					
X	POI SHOT#4	0.865	1.527	1.3985					
Y		-0.905	-1.125	-0.3265					
X	POI SHOT#5	0.406	1.3195	1.7425					
Y		-0.889	-0.769	0.387					

GUN	ROUNDS	AMMO	GROUP SIZE			3.1981	2.88	0.0953	-0.32	2.90
			GROUP#1	GROUP#2	GROUP#3					
B-30	20	REM R30064 180GR	0.84	1.616	1.3355					
X	POI SHOT#1	2.697	3.088	2.866	2.7423	2.6523				
Y		-1.21	-0.781	0.097	-0.361	-0.3512				
X	POI SHOT#2	2.74	2.879	3.3765						
Y		-0.9275	-0.5755	-0.412						
X	POI SHOT#3	2.863	3.086	3.321						
Y		-0.5505	-0.0915	0.663						
X	POI SHOT#4	2.924	1.8255	2.823						
Y		-0.4845	0.1625	0						
X	POI SHOT#5	2.6875	2.383	3.604						
Y		-0.3325	-0.4705	0.1285						

GUN	ROUNDS	AMMO	GROUP SIZE			3.6193	3.5158	3.3204	3.49	-0.41	3.51
			GROUP#1	GROUP#2	GROUP#3						
B-30	40	REM R30064 180GR	1.733	1.329	1.145						
X	POI SHOT#1	3.4155	3.728	3.4095							
Y		-0.738	-0.3535	0	-0.5898	-0.4972					
X	POI SHOT#2	3.356	2.968	3.8985							
Y		-0.5595	-0.3535	-0.2615							
X	POI SHOT#3	3.492	3.901	3.3895							
Y		-0.217	-1.3245	0							
X	POI SHOT#4	3.416	4.009	2.7215							
Y		0	-0.142	-0.4895							
X	POI SHOT#5	4.417	2.973	3.183							
Y		-1.4345	-0.3125	0.0365							