

C6522216

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



09/16/08 15:28:39

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00151228** Serial: C6522216 Model M24 SWS Center Fire Repairman: _____
 Verify Repair _____ Caliber: 7.62 NATO Status: Closed 9/16/2008 2:28:39 PM

Address Information

Customer: _____ Received From: _____ Return To: _____ Received From: _____
 Name: **ISD ARMSROOM** **ISD ARMSROOM**
 Address 1: **8TH DESERT STORM** **8TH DESERT STORM**
 Address 2: **BLDG 5210 BAY DOOR #30** PO Box: _____ **BLDG 5210 BAY DOOR #30** PO Box: _____
 City: **FORT CAMPBELL** **FORT CAMPBELL**
 State: **KY** Zip Code: **42223** Country: **US** State: **KY** Zip Code: **42223** Country: **US**

FFL: _____

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing												
Contact Information Phone: NN Fax: _____ Email: _____ Comments: _____	Received Condition Fair Condition Notes: _____ CSR Notes: _____	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Fit and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Stud	3	A017	Scope Base	1	A057	Fit and Rear Sgt Base	1
Code	Desc	Qty														
A007	With Stud	3														
A017	Scope Base	1														
A057	Fit and Rear Sgt Base	1														

Repair Search | Refresh | Close

naglej | 9/16/2008 | 3:26 PM | CAPS | NUM | INS | SCRL

start | 8 M. | 2 I. | 3 M. | Ar... | Par... | Eas... | Sto... | 3:26 PM

Serial Number: **C6522216**
 Model: **M24 SWS**

RE00151228

IA-24 INSPECTION CHECKLIST
 CONTRACT NO. DAAE-20-02-C-00149

 CASE NUMBER: 151228
 SERIAL NUMBER: C6522216
 LOGIN DATE: 9-16-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-17-08	RTZ
505	RE-BARREL	9-22-08	RTZ
560	ASSEMBLE	9-22-08	RTZ
600	PROOF	9-22-08	RTZ
605	CHECK HEADSPACE	9-22-08	RTZ
610	DIS-ASSEMBLE GUN	9-22-08	RTZ
612	MAGNAFLUX	9/30/08	RTZ
510	DRILL AND TAP	9-23-08	SP
615	ROLLMARK CALIBER	9/30/08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	10 /	
625	FINAL ASSEMBLY	10-7-08	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	10-10-08 PSN
650	TARGET	(PASS) FAIL	10-10-08 PSN
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		10-10-08 PSN
	A) HEADSPACE	(PASS) FAIL	10-22-08 RTZ
	B) TRIGGER PULL	2.73 2.72 2.74 2.68 2.72	10/16/08 FM
	F) SAFETY ON FORCE	4.0 4.0 4.0	10-22-08 RTZ
	G) SAFETY OFF FORCE	4.0 3.0 3.0	10-22-08 RTZ
	I) FIRING PIN INDENT	.021 .021 .020	10-22-08 RTZ
690	PACK		10/30/08 FM

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522216.___0
FILE DATE AND TIME: 10/11/2008 07:28

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.089
The Average Y Centroid of the Five Target Set:	0.104
The Average Point of Impact of the Five Target Set:	0.136
The Average Mean Radius of the Five Target Set:	0.701
The Distance from POA to Centroid Target #1:	0.050
The Distance from Centroid Target #2 to Centroid Target #1:	0.252
The Distance from Centroid Target #3 to Centroid Target #1:	0.237
The Distance from Centroid Target #4 to Centroid Target #1:	0.134
The Distance from Centroid Target #5 to Centroid Target #1:	0.167

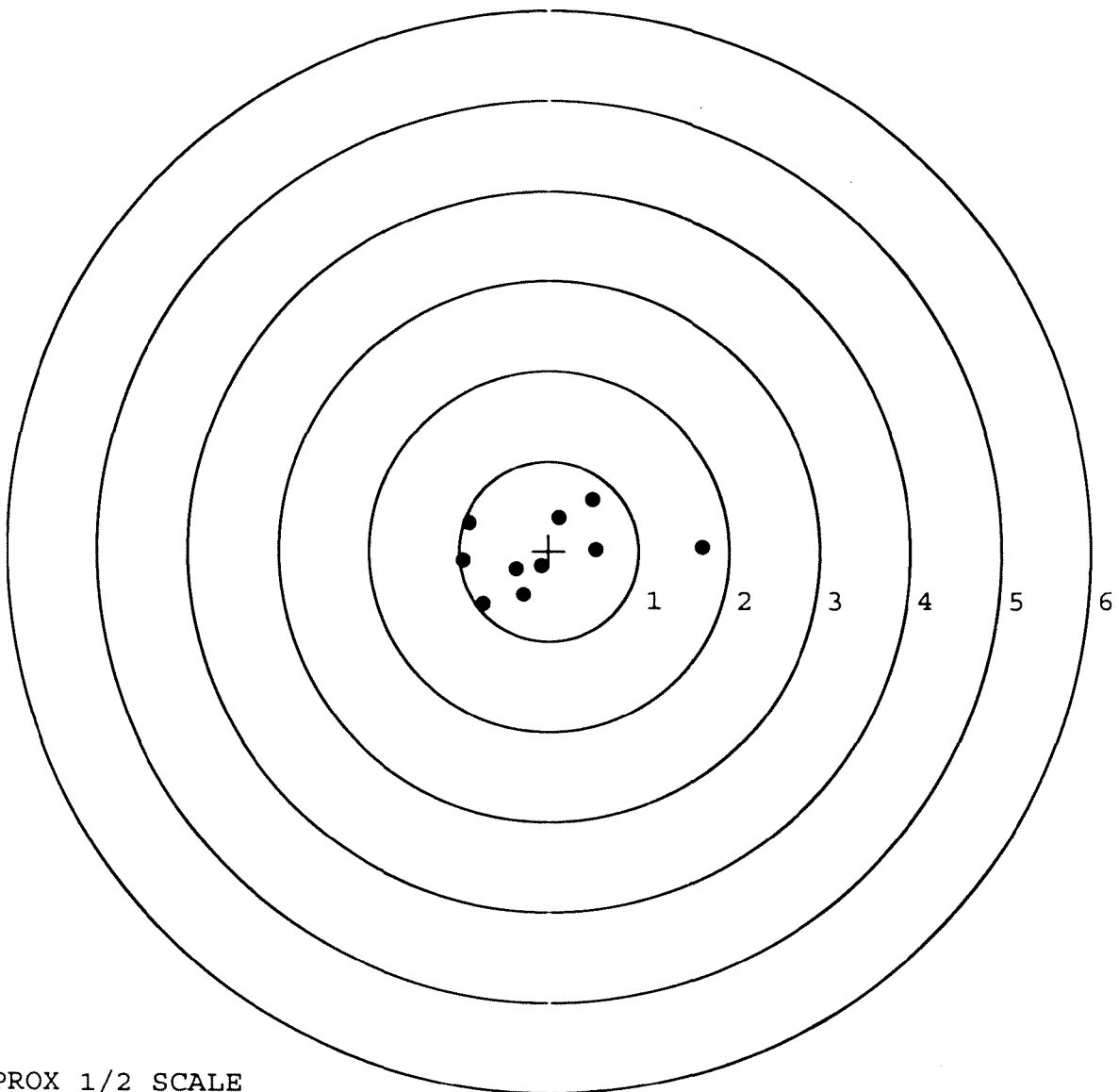
BARBER - M24 0002850

SERIAL NUMBER: C6522216. __0
TARGET NUMBER: 1
FILE DATE: 10/11/2008
FILE TIME: 07:28

X CENTROID: -0.044
Y CENTROID: -0.024
POA TO CENTROID: 0.050
HORZ SPREAD: 2.661
VERT SPREAD: 1.160
GROUP SPREAD: 2.666
MIN RADIUS: 0.151
MAX RADIUS: 1.752
MEAN RADIUS: 0.729

IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.706	0.051
2:	0.496	0.567
3:	0.527	0.015
4:	0.114	0.370
5:	-0.081	-0.170
6:	-0.361	-0.203
7:	-0.280	-0.488
8:	-0.727	-0.593
9:	-0.955	-0.106
10:	-0.883	0.317



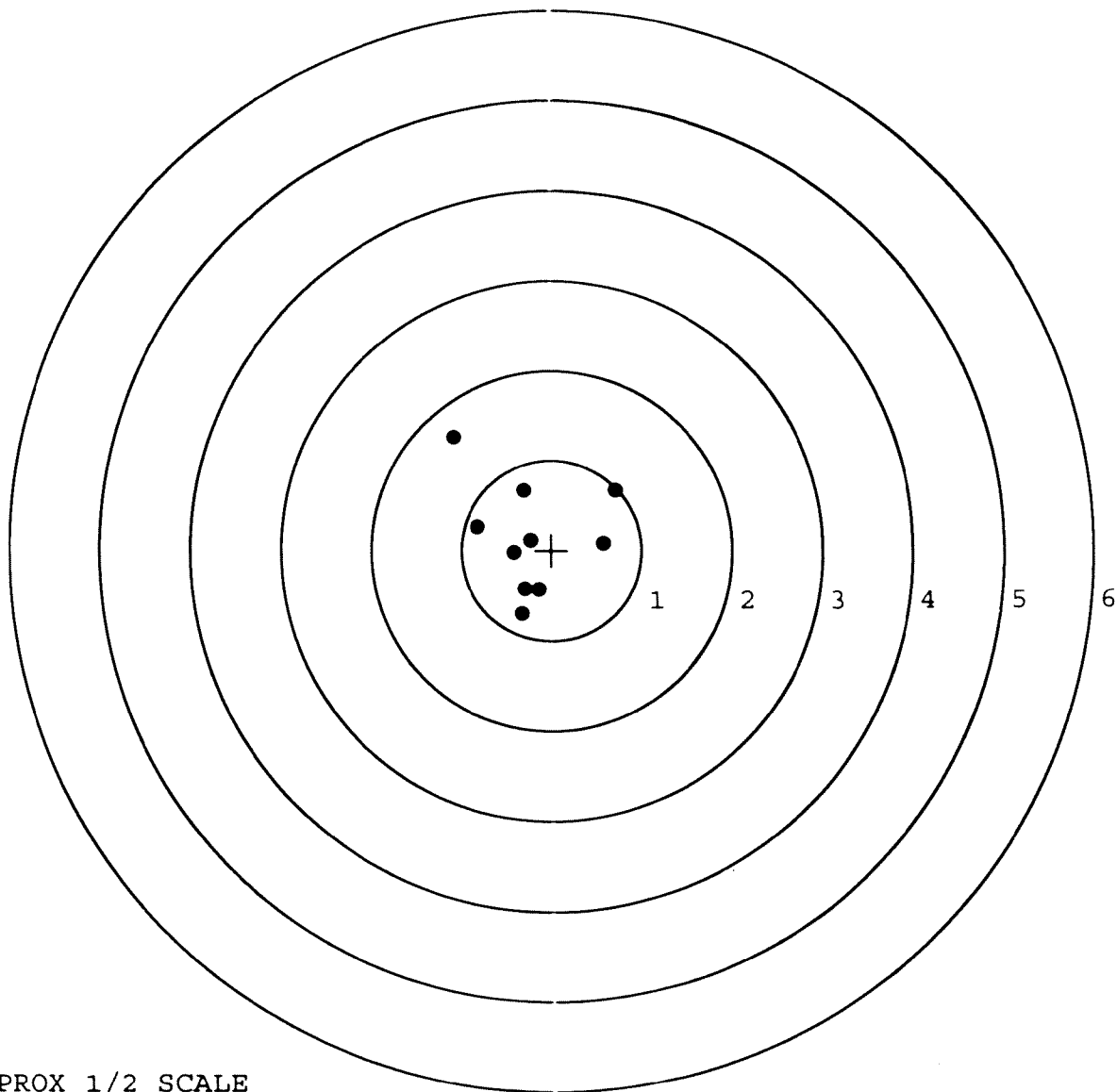
TARGET APPROX 1/2 SCALE

BARBER - M24 0002851

SERIAL NUMBER: C6522216. __0
TARGET NUMBER: 2
FILE DATE: 10/11/2008
FILE TIME: 07:28

X CENTROID: -0.233
Y CENTROID: 0.144
POA TO CENTROID: 0.273
HORZ SPREAD: 1.799
VERT SPREAD: 1.966
GROUP SPREAD: 2.107
MIN RADIUS: 0.035
MAX RADIUS: 1.405
MEAN RADIUS: 0.673
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.583	0.077
2:	0.714	0.666
3:	-0.306	0.663
4:	-0.228	0.109
5:	-0.414	-0.031
6:	-0.145	-0.436
7:	-0.298	-0.429
8:	-0.327	-0.705
9:	-0.821	0.262
10:	-1.085	1.261



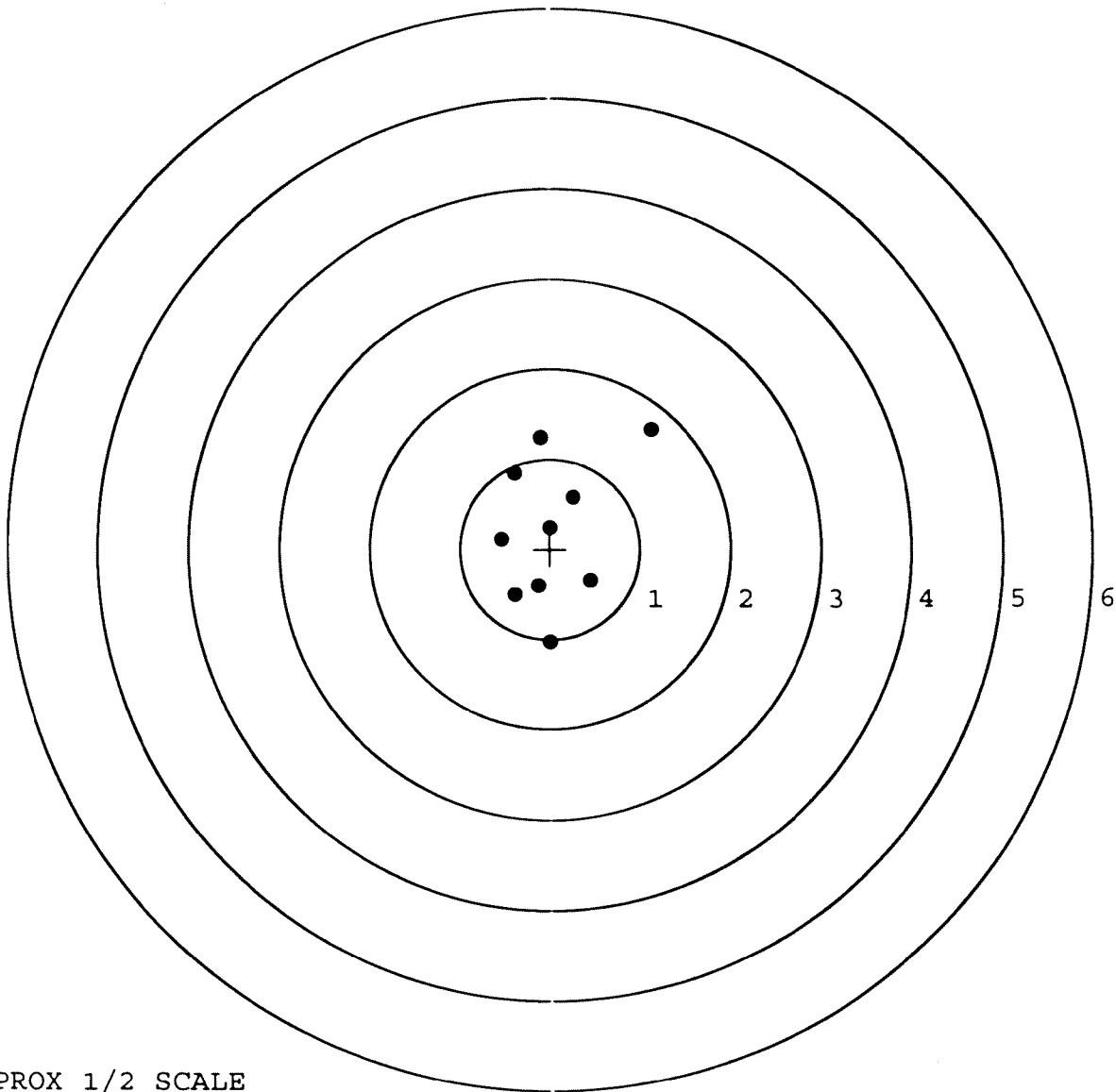
TARGET APPROX 1/2 SCALE

BARBER - M24 0002852

SERIAL NUMBER: C6522216. __0
TARGET NUMBER: 3
FILE DATE: 10/11/2008
FILE TIME: 07:28

X CENTROID: 0.031
Y CENTROID: 0.200
POA TO CENTROID: 0.203
HORZ SPREAD: 1.663
VERT SPREAD: 2.358
GROUP SPREAD: 2.614
MIN RADIUS: 0.045
MAX RADIUS: 1.568
MEAN RADIUS: 0.782
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.127	1.321
2:	-0.101	1.237
3:	0.260	0.570
4:	-0.387	0.839
5:	0.004	0.236
6:	-0.536	0.108
7:	-0.390	-0.513
8:	-0.127	-0.408
9:	-0.001	-1.037
10:	0.458	-0.349



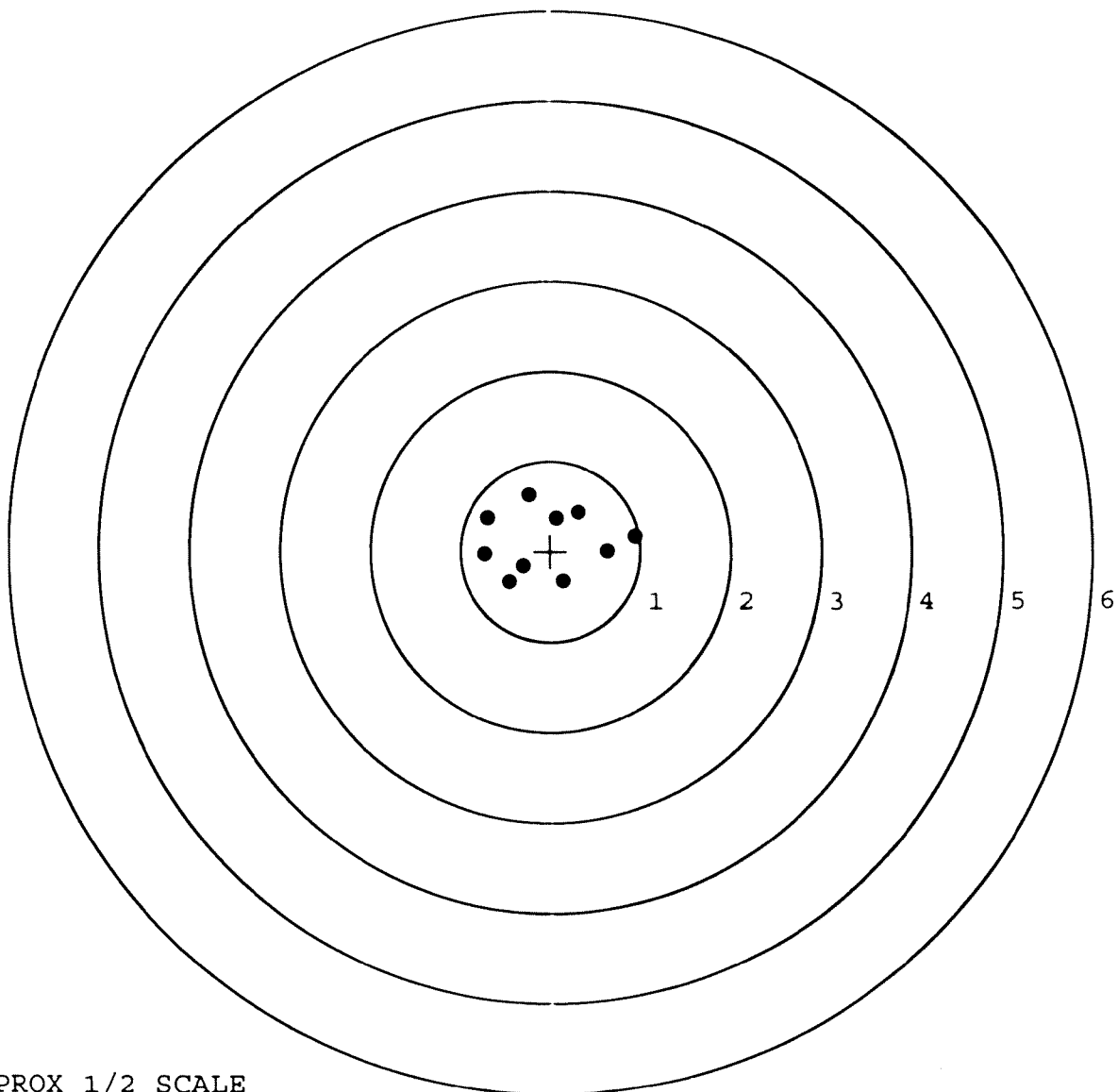
TARGET APPROX 1/2 SCALE

BARBER - M24 0002853

SERIAL NUMBER: C6522216. __0
TARGET NUMBER: 4
FILE DATE: 10/11/2008
FILE TIME: 07:28

X CENTROID: -0.030
Y CENTROID: 0.109
POA TO CENTROID: 0.113
HORZ SPREAD: 1.670
VERT SPREAD: 0.957
GROUP SPREAD: 1.681
MIN RADIUS: 0.273
MAX RADIUS: 0.975
MEAN RADIUS: 0.585
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.943	0.161
2:	0.636	0.006
3:	0.319	0.427
4:	0.072	0.362
5:	-0.236	0.622
6:	-0.696	0.373
7:	-0.727	-0.031
8:	-0.455	-0.335
9:	-0.304	-0.163
10:	0.143	-0.331



TARGET APPROX 1/2 SCALE

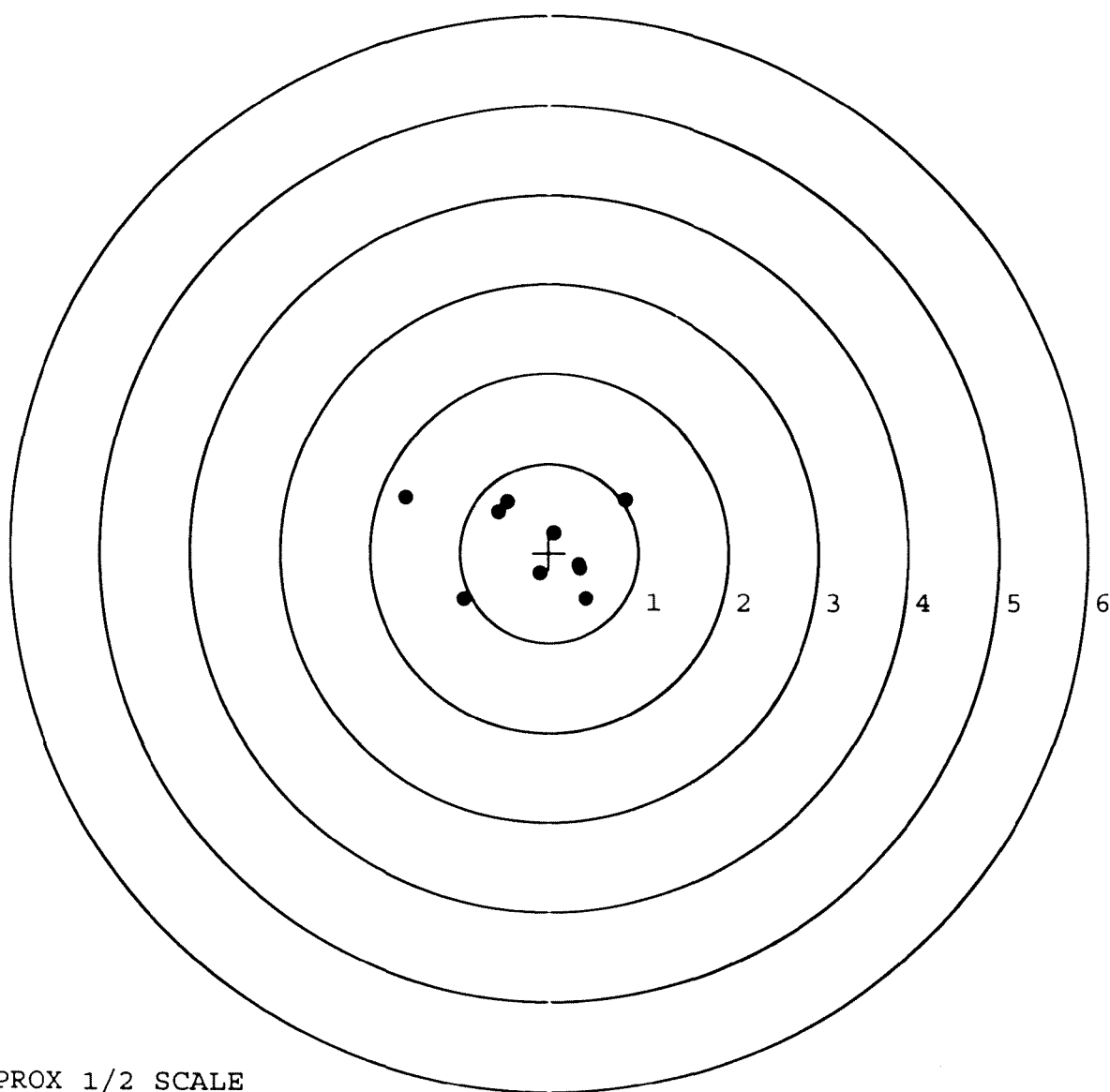
BARBER - M24 0002854

SERIAL NUMBER: C6522216. __0
TARGET NUMBER: 5
FILE DATE: 10/11/2008
FILE TIME: 07:28

X CENTROID: -0.167
Y CENTROID: 0.089
POA TO CENTROID: 0.189
HORZ SPREAD: 2.458
VERT SPREAD: 1.140
GROUP SPREAD: 2.458
MIN RADIUS: 0.263
MAX RADIUS: 1.530
MEAN RADIUS: 0.733

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.856	0.591
2:	0.419	-0.517
3:	0.335	-0.135
4:	0.057	0.225
5:	-0.105	-0.228
6:	-0.958	-0.519
7:	-0.566	0.460
8:	-0.460	0.567
9:	-1.602	0.621
10:	0.351	-0.179



TARGET APPROX 1/2 SCALE

BARBER -M24.0002855

R	ORDER
	99-09162

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
04/07/99	04/08/99	WK 8-90	C6522216		700 7.62 M24
ACCESSORIES	W/STUDS	SCOPE BASE			

SHIP TO:

US ARMY
ATTN: JAMES C STARNES JR
GSC 5TH SFG (A)
FORT CAMPBELL KY
42223

CUST NO: 208414 C.O.D.

DOOR

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

PARTS

COMMENTS

Barrel	96003
Bolt Assy	96005
Extractor	91816

REPAIRMAN <i>AW</i>	PROOF 	CLEAN 	TEST 	TARGET 	PATTERN
GALLERY TESTER <i>AW</i>	DATE	DATE <i>6-14-99</i>	DATE <i>6-16-99</i>	DATE <i>6-16-99</i>	DATE

OFFICE COPY

BD6925 REV. 7/97

BARBER - M24 ~~0062899~~ **M2400902894**

Receipt Of Firearm(s) Delivered to the Plant for Repair
Firearm Checked For Live Ammunition []

File # 00383

Delivery Date 4/17/99Customer Name (Print) US Army, James C Starvo Jr.
Address GSC 5th SFG, Ft. Campbell State KY Zip 42223
Phone Number (502)- 798-2882/7932Firearm Description Model 700 (m24) Cal./ Ga. 762
Serial Number C6522216

Stock/ Fore-end Condition circle the description

(Excellent; Good; Fair; Poor; Fancy; Plain, Synthetic, Wood)

Comments on Stock/ Fore-end condition _____

Metal Condition circle the description

(Excellent; Good; Fair; Poor; Fancy; Plain Stainless Steel)

Comments on Metal condition _____

Barrel Type (VT. Rib; Plain; Deer; Stainless Steel) Barrel length _____

List additional accessories IE Scope, Sling, Gun case and description; _____

Customer request: Reconditioning

Return Process Return to Clark St. Ent. [] Return via UPS []

By signing this receipt the person delivering the firearm understands to be the only person to receive the firearm upon completion of repairs.

Signature James C Starvo Jr. Date 4/17/99
person delivering firearmSignature [Signature] Date 4/17/99
security officerSignature Angela Langone Date 4/17/99
arms service / CSR

Customer Pick Up Verification

I certify, I am the same person whom delivered the above described firearm to the Remington Ilion plant for repair and may lawfully possess a firearm in New York State

Signature _____ Date ____/____/____
person receiving firearm must be the same whom deliveredSignature _____ Date ____/____/____
security officer or other witness returning the firearm

BARBER - M24 0002857

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6522216
18 Jun 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1394
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0066
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .139556

THE AMR FOR THIS RIFLE IS: .9852

CENTROIDAL DISTANCES

0	TO	1	.391533
1	TO	2	.266811
1	TO	3	.230437
1	TO	4	.589958
1	TO	5	.571997

1
5 + 23 <----POA
4

BARBER - M24 0002858

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .204

MIN RADIUS : .473

MEAN RADIUS : 1.062

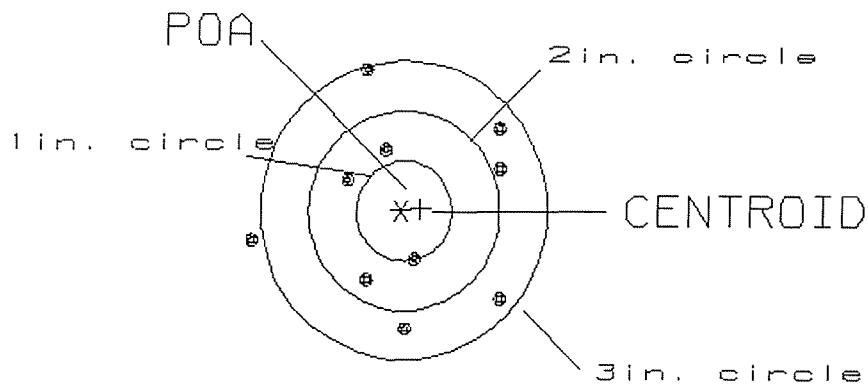
MAX RADIUS : 1.647

CENTROID X : -.203

CENTROID Y : -.016

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6522216

CENTERFIRE PATTERN # 1

OF SHOTS= 10

IN CIRCLE

HS= 2.63

1

VS= 2.68

4

GS= 2.82

8

BARBER - M24 0002859

REMINGTON CENTERFIRE ACCURACY TEST

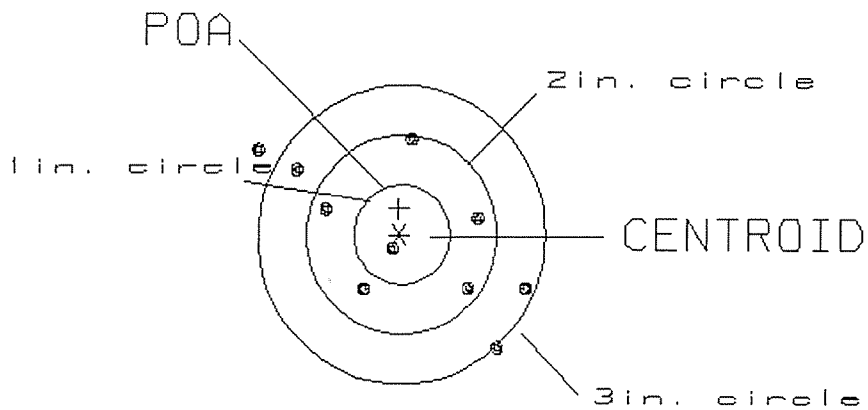
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 2

POA TO CENTROID: .262
MIN RADIUS : .186
MEAN RADIUS : 1.033
MAX RADIUS : 1.690
CENTROID X : .002
CENTROID Y : -.262

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6522216

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 2.78

1

VS= 2.13

6

GS= 3.17

8

BARBER - M24 0002860

REMINGTON CENTERFIRE ACCURACY TEST

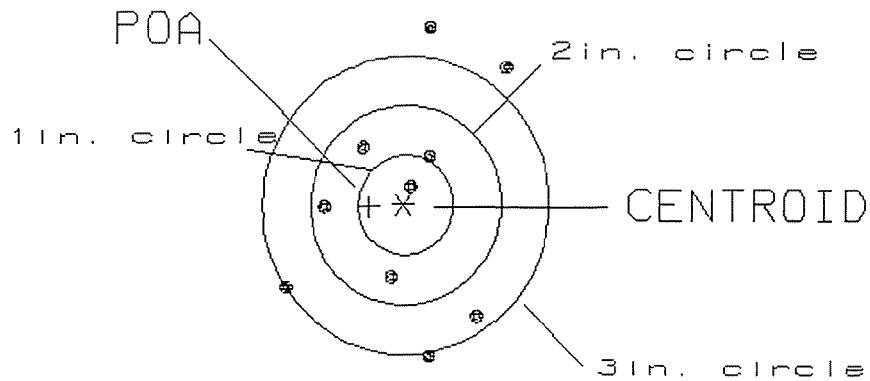
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐
POA TO CENTROID: .352
MIN RADIUS : .153
MEAN RADIUS : 1.100
MAX RADIUS : 1.758
CENTROID X : .352
CENTROID Y : .017

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6522216

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.28
VS= 3.27
GS= 3.27

1
5
7

BARBER - M24 0002861

REMINGTON CENTERFIRE ACCURACY TEST

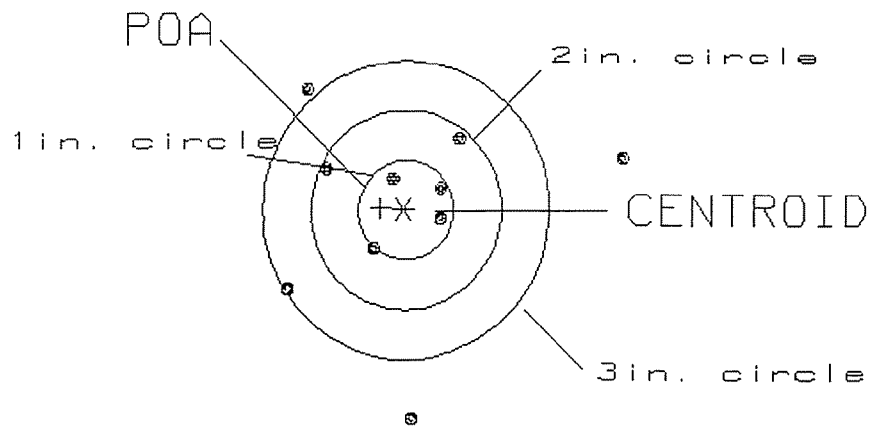
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐
POA TO CENTROID: .239
MIN RADIUS : .329
MEAN RADIUS : 1.094
MAX RADIUS : 2.312
CENTROID X : .239
CENTROID Y : -.015

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6522216

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.46

3

VS= 3.33

6

GS= 3.69

7

BARBER - M24 0002862

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

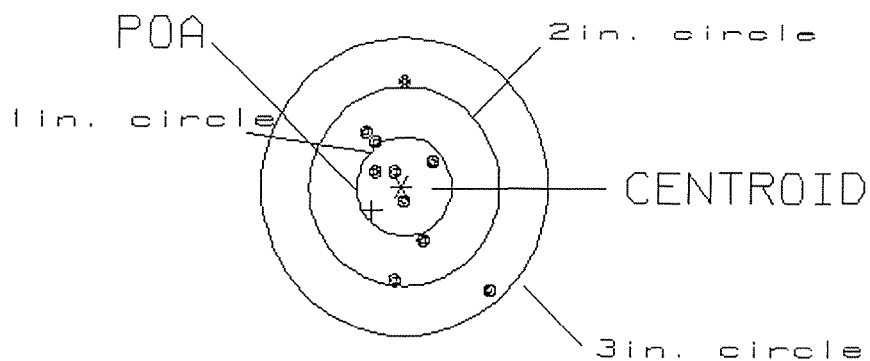
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .392
MIN RADIUS : .176
MEAN RADIUS : .637
MAX RADIUS : 1.398
CENTROID X : .307
CENTROID Y : .243

18 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6522216

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

H3= 1.38

4

VS= 2.13

6

GS= 2.32

10

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522214

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/22/90	KCD
	Magnaflux Bolt		8/22/90	KCD
615	Rollmark Caliber		8/22/90	GS
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8/20/90	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/4/90	WB

-BARBER - M24 0002864

op. #	OP. NAME	READINGS					DATE	INIT
605 nt.	F) Safety On Force	4 1/4	4 1/4	4 1/4			9/6/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/6/90	WB
	H) Trigger Pull Test & Retainability						9/4/90	WB
	I) Firing Pin Indent	.0235	.023	.023			9/6/90	WB
	J) Assemble Stock						9/7/90	RW
	K) Assemble Swivel Studs						9/13/90	JS
	L) Attach Front and Rear Sight Assemblies						9/7/90	RW
	M) Iron Sight Alignment						9/7/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/7/90	RW
	O) Attach Scope to Rifle						9/7/90	RW
	P) Detach & Attach Scope 20 Times						9/7/90	RW
640	Gallery Target & Test						9/10/90	KJ
	A) Time						9/10/90	KJ
	B) Malfunctions						9/10/90	KJ
	C) Pierced Primers						9/10/90	KJ
	D) Optical Clarity of Scope						9/10/90	KJ
645	Inspect for Live Ammo						9/10/90	KJ
655	Final Inspection							
	A) Headspace						9/13/90	JS
	B) Trigger Pull	2.13	2.18	2.23	2.21	2.22	9-12-90	JS
	C) Function						9/13/90	JS
660	Pack						9/18/90	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6522216
DATE 9/4/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.51	2.33	2.46	2.13	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.31	2.32	2.18	
PULL #3	2.41	2.35	2.38	2.23	
PULL #4	2.43	2.24	2.34	2.21	
PULL #5	2.49	2.31	2.29	2.22	
TOTAL	12.29	11.54	11.79	10.97	
AVG.	2.46	2.31	2.36	2.194	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.05		
PULL #2	3.04	3.19		
PULL #3	3.14	3.23		
PULL #4	3.14	3.13		
PULL #5	3.18	3.15		
TOTAL	15.60	15.75		
AVG.	3.12	3.15		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.15		4.25
PULL #2	4.05	4.04		4.28
PULL #3	4.13	4.09		4.16
PULL #4	4.10	4.14		4.35
PULL #5	4.05	4.12		4.22
TOTAL	20.48	20.54		21.26
AVG.	4.09	4.11		4.25

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522216
11 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.193127
1 TO	2	.297639
1 TO	3	.317456
1 TO	4	.452093
1 TO	5	.337734

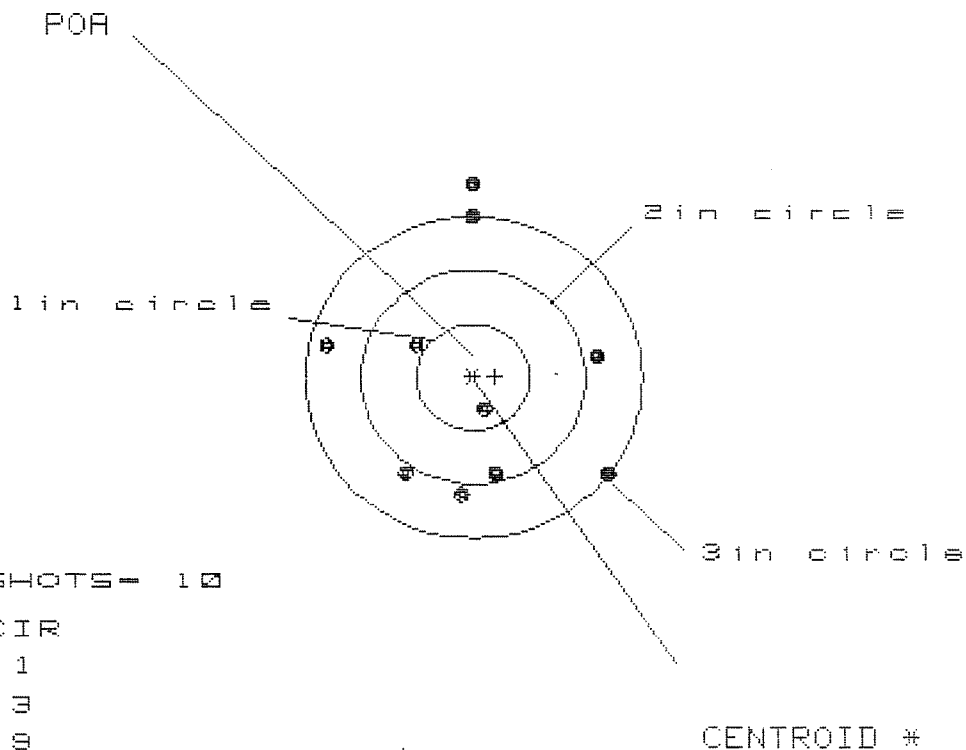
1-5 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .08
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0106
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0806992
THE AMR FOR THIS RIFLE IS: .9918

18 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522216

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 9

HS = 2.482

VS = 2.886

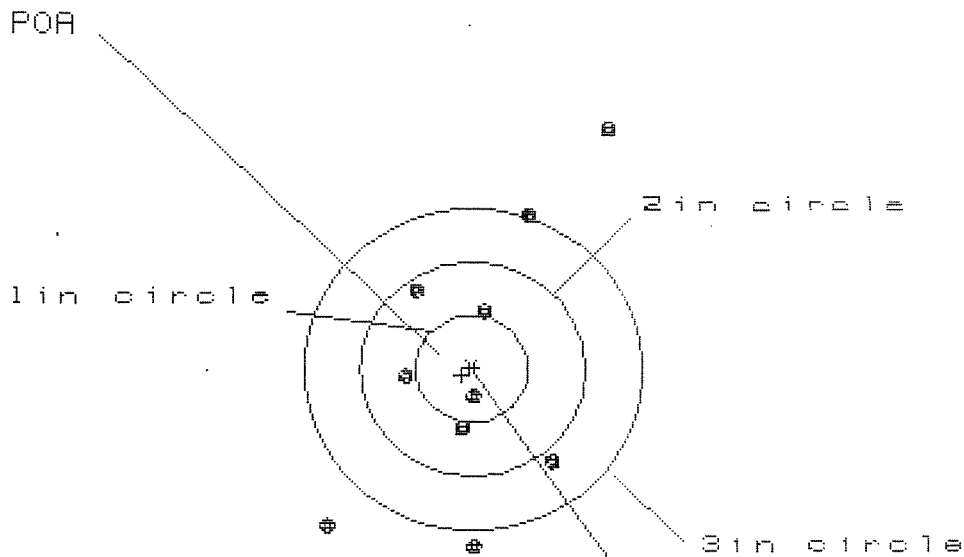
GS = 2.888

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.176	1.178	1.183
MINIMUM X	:	-1.306	-1.304	-1.299
MAXIMUM Y	:	1.769	1.669	.687
MINIMUM Y	:	-1.117	-.921	-.712
CENTROID X	:	-.193	-.195	-.200
CENTROID Y	:	-.007	-.203	-.412
POR TO CENTROID in.	:	.193	.281	.458
MIN RADIUS	:	.280	.143	.211
MEAN RADIUS	:	1.117	1.003	.890
MAX RADIUS	:	1.769	1.670	1.465
HORIZONTAL SPREAD	:	2.482	2.482	2.482
VERTICAL SPREAD	:	2.886	2.590	1.399
EXTREME SPREAD	:	2.888	2.734	2.734
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	9		

10 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522216

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 6

HS= 2.526

VS= 3.893

GS= 4.490

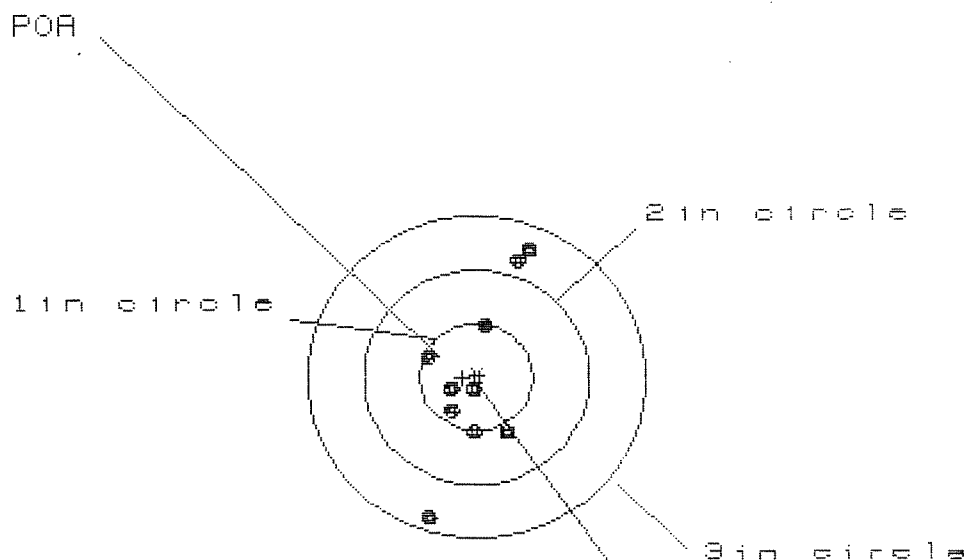
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.249	.865	.723
MINIMUM X	:	-1.277	-1.138	-.600
MAXIMUM Y	:	2.219	1.712	1.556
MINIMUM Y	:	-1.674	-1.427	-1.583
CENTROID X	:	.097	-.042	.100
CENTROID Y	:	.060	-.187	-.031
POA TO CENTROID in.	:	.114	.192	.105
MIN RADIUS	:	.267	.109	.177
MEAN RADIUS	:	1.165	.966	.881
MAX RADIUS	:	2.547	1.814	1.622
HORIZONTAL SPREAD	:	2.526	2.003	1.323
VERTICAL SPREAD	:	3.893	3.139	3.139
EXTREME SPREAD	:	4.490	3.431	3.171
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		6	

18 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522216

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 5

2 in = 7

3 in = 10

HS = .906

VS = 2.491

GS = 2.651

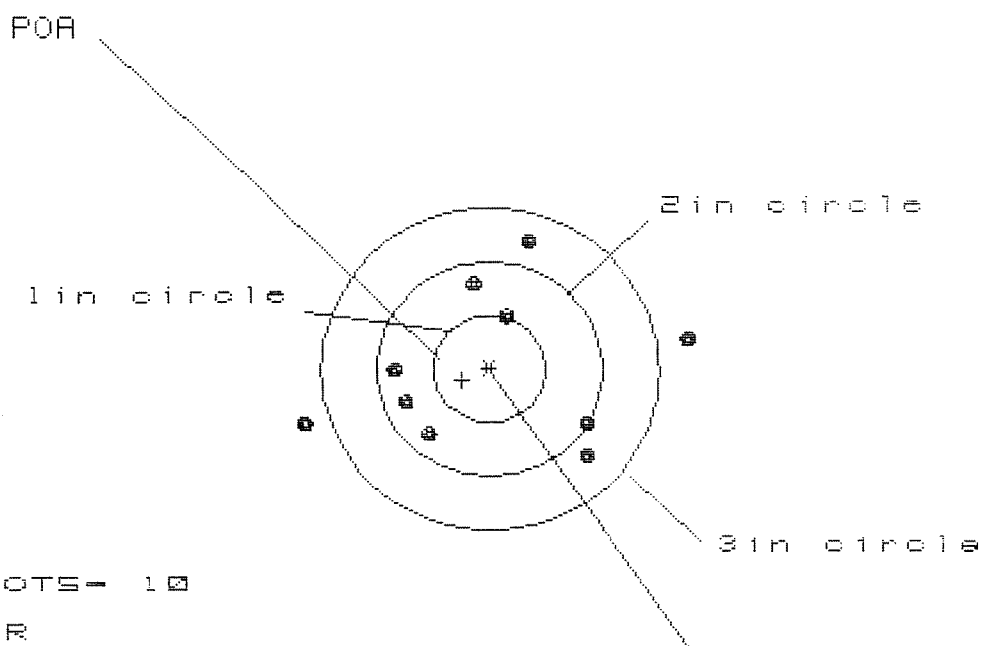
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.519	.394	.353
MINIMUM X	:	-.387	-.329	-.359
MAXIMUM Y	:	1.222	1.188	1.046
MINIMUM Y	:	-1.269	-1.134	-.564
CENTROID X	:	.124	.066	.107
CENTROID Y	:	.010	-.125	.016
POA TO CENTROID in.	:	.124	.142	.109
MIN RADIUS	:	.139	.079	.148
MEAN RADIUS	:	.663	.549	.496
MAX RADIUS	:	1.327	1.252	1.104
HORIZONTAL SPREAD	:	.906	.723	.712
VERTICAL SPREAD	:	2.491	2.322	1.610
EXTREME SPREAD	:	2.651	2.432	1.612
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Sep 1998

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 3.381

VS= 2.029

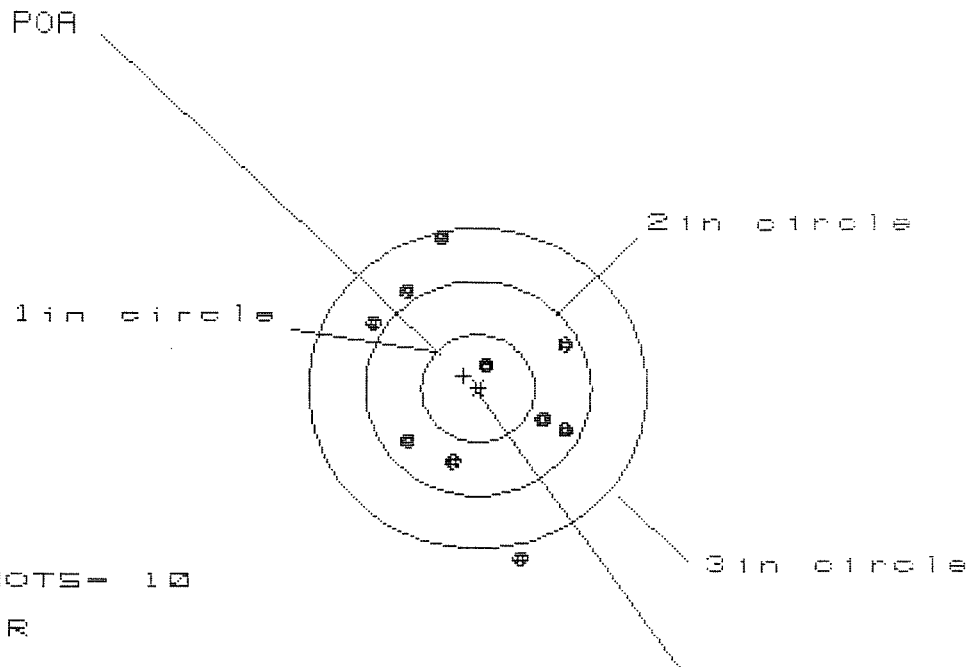
GS= 3.468

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.735	1.076	.894
MINIMUM X	:	-1.646	-1.453	-.819
MAXIMUM Y	:	1.217	1.245	1.183
MINIMUM Y	:	-.812	-.784	-.847
CENTROID X	:	.245	.052	.234
CENTROID Y	:	.105	.077	.140
POA TO CENTROID in.	:	.266	.093	.272
MIN RADIUS	:	.535	.629	.504
MEAN RADIUS	:	1.077	.979	.909
MAX RADIUS	:	1.752	1.536	1.237
HORIZONTAL SPREAD	:	3.381	2.529	1.713
VERTICAL SPREAD	:	2.029	2.029	2.029
EXTREME SPREAD	:	3.468	2.652	2.080
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

10 Sep 1990

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.704

VS= 2.961

GS= 3.048

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.818	.859	.821
MINIMUM X	:	-.886	-.845	-.883
MAXIMUM Y	:	1.382	1.207	.883
MINIMUM Y	:	-1.579	-.857	-.706
CENTROID X	:	.127	.086	.124
CENTROID Y	:	-.115	.060	-.091
POA TO CENTROID in.	:	.172	.105	.153
MIN RADIUS	:	.200	.107	.178
MEAN RADIUS	:	.937	.852	.789
MAX RADIUS	:	1.623	1.245	1.068
HORIZONTAL SPREAD	:	1.704	1.704	1.704
VERTICAL SPREAD	:	2.961	2.064	1.589
EXTREME SPREAD	:	3.048	2.129	1.950
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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