

C6587668

MODEL 760TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00128709

Serial: C6587668 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

New 4/30/2007 7:55:53 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☒ Received From
Name: 25TH ID 2ND STRYKER BDE COMBAT TEAM 25TH ID 2ND STRYKER BDE COMBAT TEAM
Address 1: CHRISTOPHER LEE NEWLIN CHRISTOPHER LEE NEWLIN
Address 2: BLDG 500 FOOTE AVE S4 PO Box: BLDG 500 FOOTE AVE S4 PO Box:
City: SCHOFIELD BARRACKS SCHOFIELD BARRACKS
State: HI Zip Code: 96857 Country: US State: HI Zip Code: 96857 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

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

4/30/2007

9:14 AM

CAPS

NUM

INS

SCRL

start

5 Microsoft Offi...

RAC0179-RAC03...

4 Internet Expl...

Arms Services Re...

9:14 AM

Serial Number:

C6587668

Model: M24 SWS



RE00128709

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587668.__0
FILE DATE AND TIME: 08/15/2007 14:06

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.030
The Average Y Centroid of the Five Target Set:	-0.004
The Average Point of Impact of the Five Target Set:	0.031
The Average Mean Radius of the Five Target Set:	0.790
The Distance from POA to Centroid Target #1:	0.059
The Distance from Centroid Target #2 to Centroid Target #1:	0.143
The Distance from Centroid Target #3 to Centroid Target #1:	0.214
The Distance from Centroid Target #4 to Centroid Target #1:	0.186
The Distance from Centroid Target #5 to Centroid Target #1:	0.025

SERIAL NUMBER: C6587668. __0

TARGET NUMBER: 1

FILE DATE: 08/15/2007

FILE TIME: 14:06

X CENTROID: -0.058

Y CENTROID: 0.007

POA TO CENTROID: 0.059

HORZ SPREAD: 2.034

VERT SPREAD: 2.133

GROUP SPREAD: 2.913

MIN RADIUS: 0.432

MAX RADIUS: 1.608

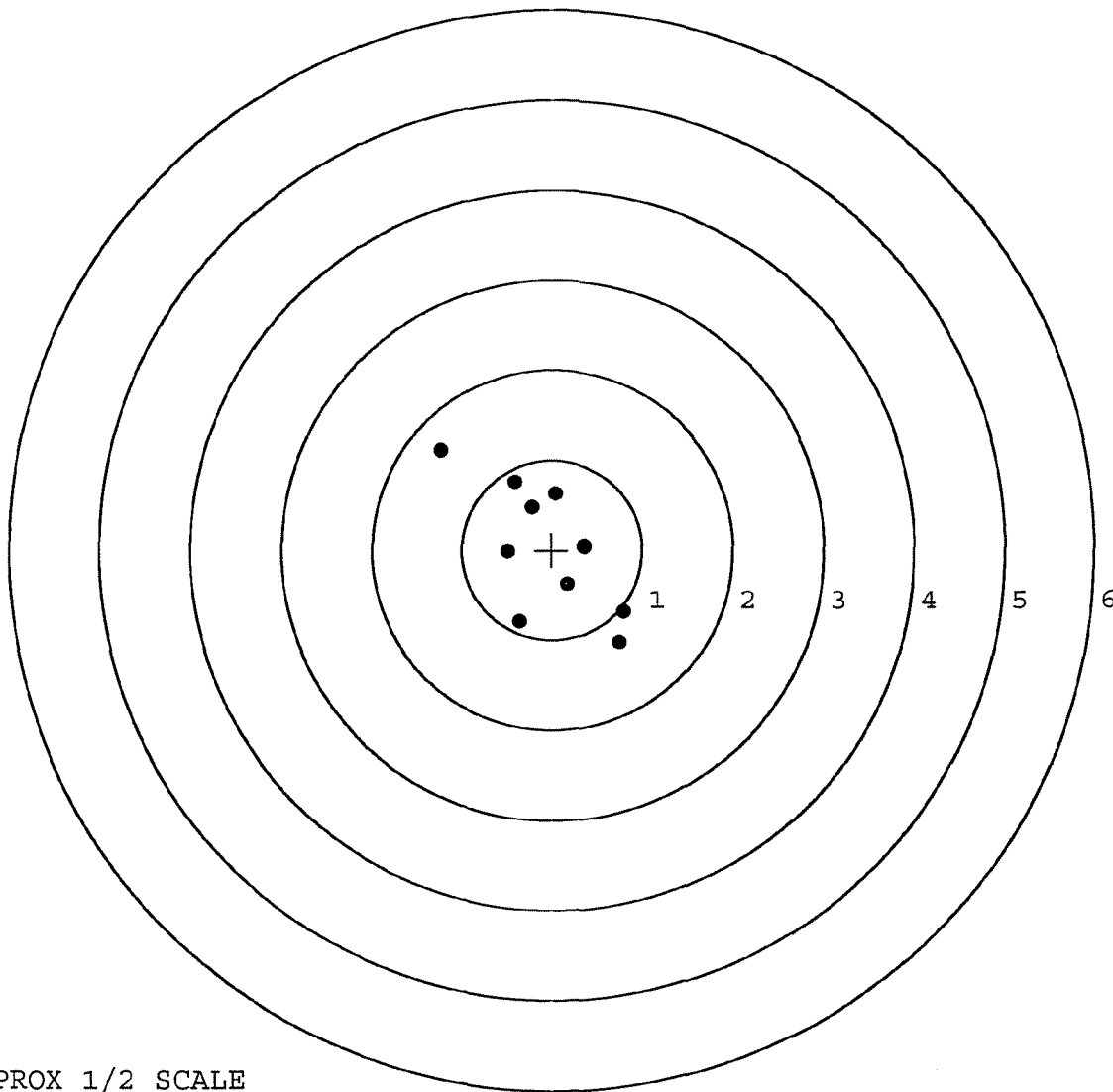
MEAN RADIUS: 0.816

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.748	-1.031
2:	0.798	-0.693
3:	0.176	-0.382
4:	-0.361	-0.804
5:	0.373	0.041
6:	-0.490	-0.015
7:	-0.224	0.470
8:	0.044	0.625
9:	-0.412	0.759
10:	-1.236	1.102

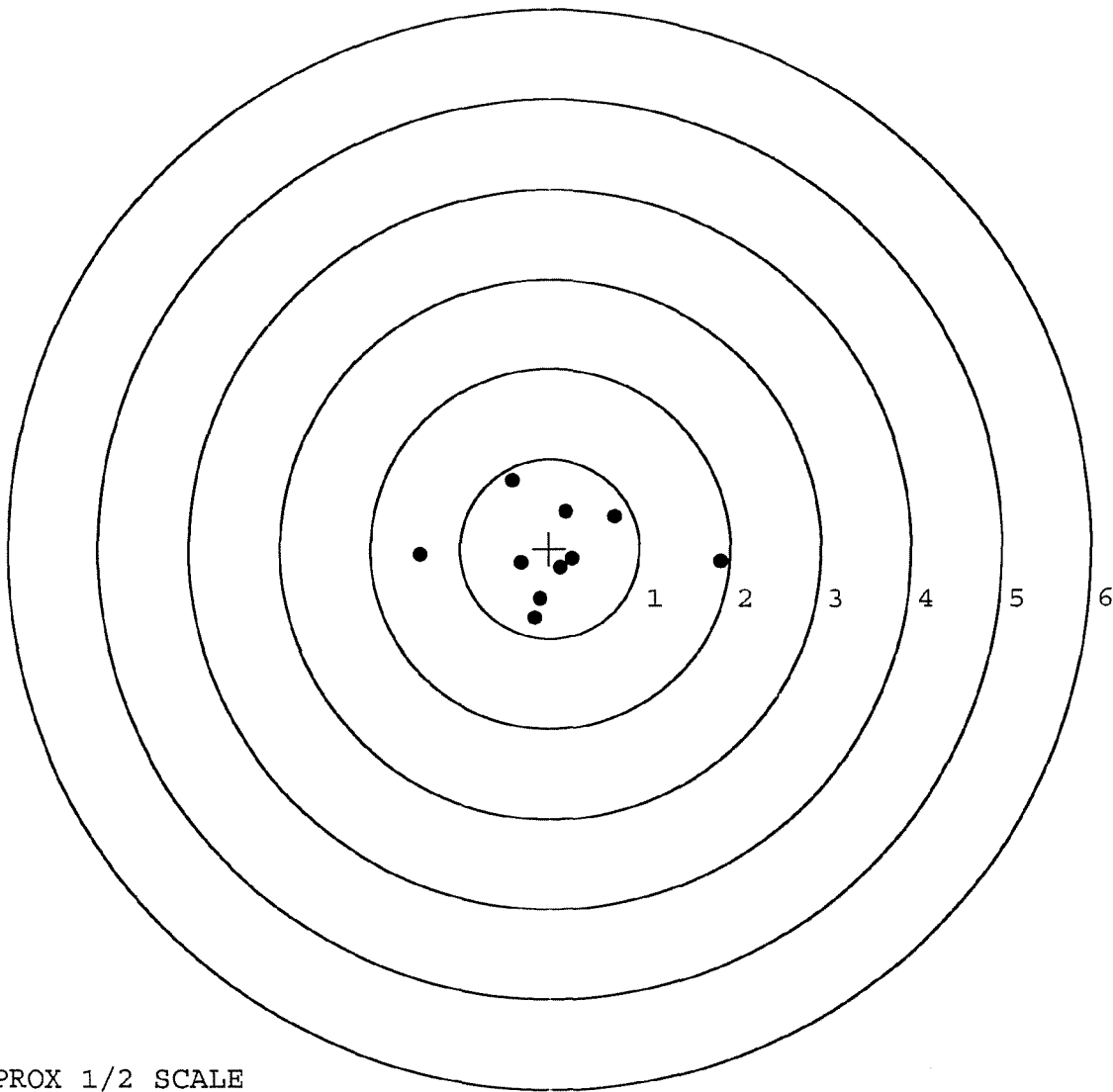


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587668. __0
 TARGET NUMBER: 2
 FILE DATE: 08/15/2007
 FILE TIME: 14:06

X CENTROID: 0.072
 Y CENTROID: -0.051
 POA TO CENTROID: 0.088
 HORZ SPREAD: 3.341
 VERT SPREAD: 1.540
 GROUP SPREAD: 3.342
 MIN RADIUS: 0.174
 MAX RADIUS: 1.828
 MEAN RADIUS: 0.764
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.898	-0.143
2:	0.725	0.361
3:	0.180	0.420
4:	-0.417	0.764
5:	-0.317	-0.161
6:	-1.443	-0.073
7:	-0.169	-0.776
8:	-0.113	-0.565
9:	0.120	-0.218
10:	0.259	-0.116



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587668. __0

TARGET NUMBER: 3

FILE DATE: 08/15/2007

FILE TIME: 14:06

X CENTROID: 0.130

Y CENTROID: -0.094

POA TO CENTROID: 0.160

HORZ SPREAD: 2.261

VERT SPREAD: 1.185

GROUP SPREAD: 2.445

MIN RADIUS: 0.194

MAX RADIUS: 1.358

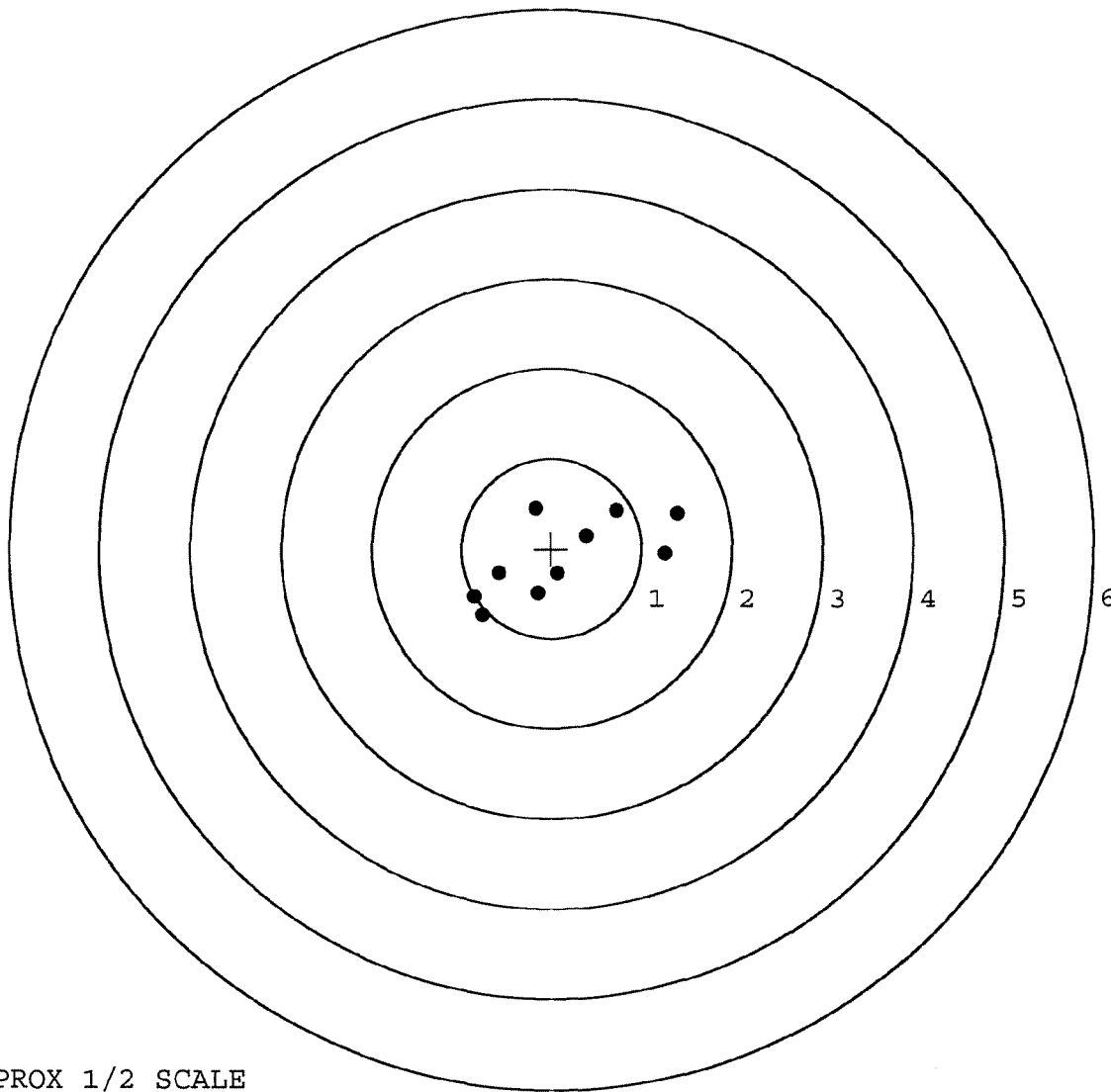
MEAN RADIUS: 0.788

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.266	-0.058
2:	1.395	0.398
3:	0.724	0.428
4:	0.393	0.147
5:	-0.178	0.451
6:	0.071	-0.279
7:	-0.150	-0.495
8:	-0.586	-0.271
9:	-0.866	-0.529
10:	-0.772	-0.734



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587668. 0

TARGET NUMBER: 4

FILE DATE: 08/15/2007

FILE TIME: 14:06

X CENTROID: 0.078

Y CENTROID: 0.134

POA TO CENTROID: 0.155

HORZ SPREAD: 1.296

VERT SPREAD: 2.237

GROUP SPREAD: 2.247

MIN RADIUS: 0.274

MAX RADIUS: 1.468

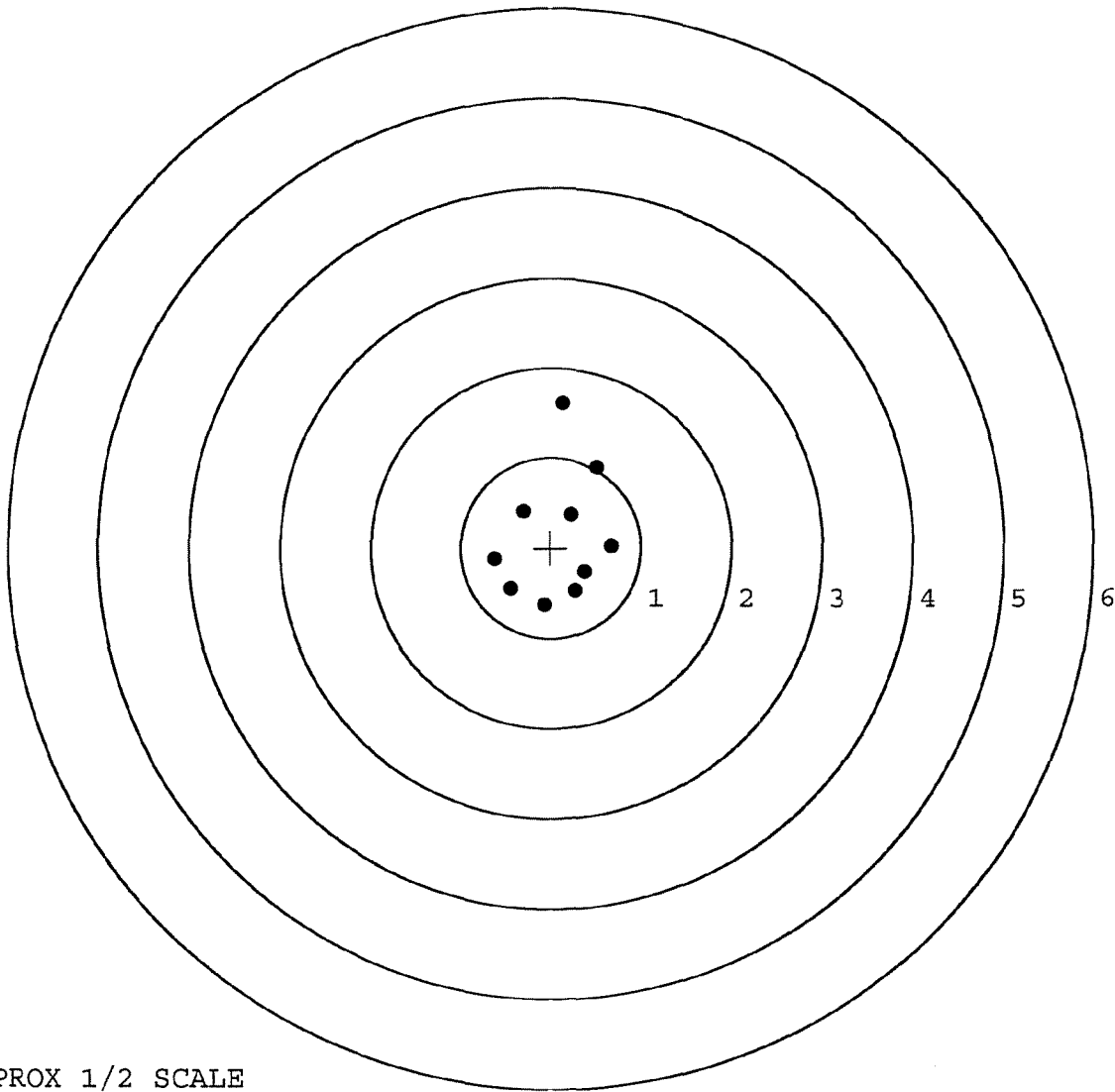
MEAN RADIUS: 0.714

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.140	1.601
2:	0.515	0.892
3:	0.231	0.361
4:	-0.302	0.404
5:	0.674	0.021
6:	0.382	-0.261
7:	0.276	-0.471
8:	-0.071	-0.636
9:	-0.445	-0.447
10:	-0.622	-0.122



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587668. __0

TARGET NUMBER: 5

FILE DATE: 08/15/2007

FILE TIME: 14:06

X CENTROID: -0.069

Y CENTROID: -0.015

POA TO CENTROID: 0.071

HORZ SPREAD: 1.733

VERT SPREAD: 2.578

GROUP SPREAD: 2.668

MIN RADIUS: 0.231

MAX RADIUS: 1.692

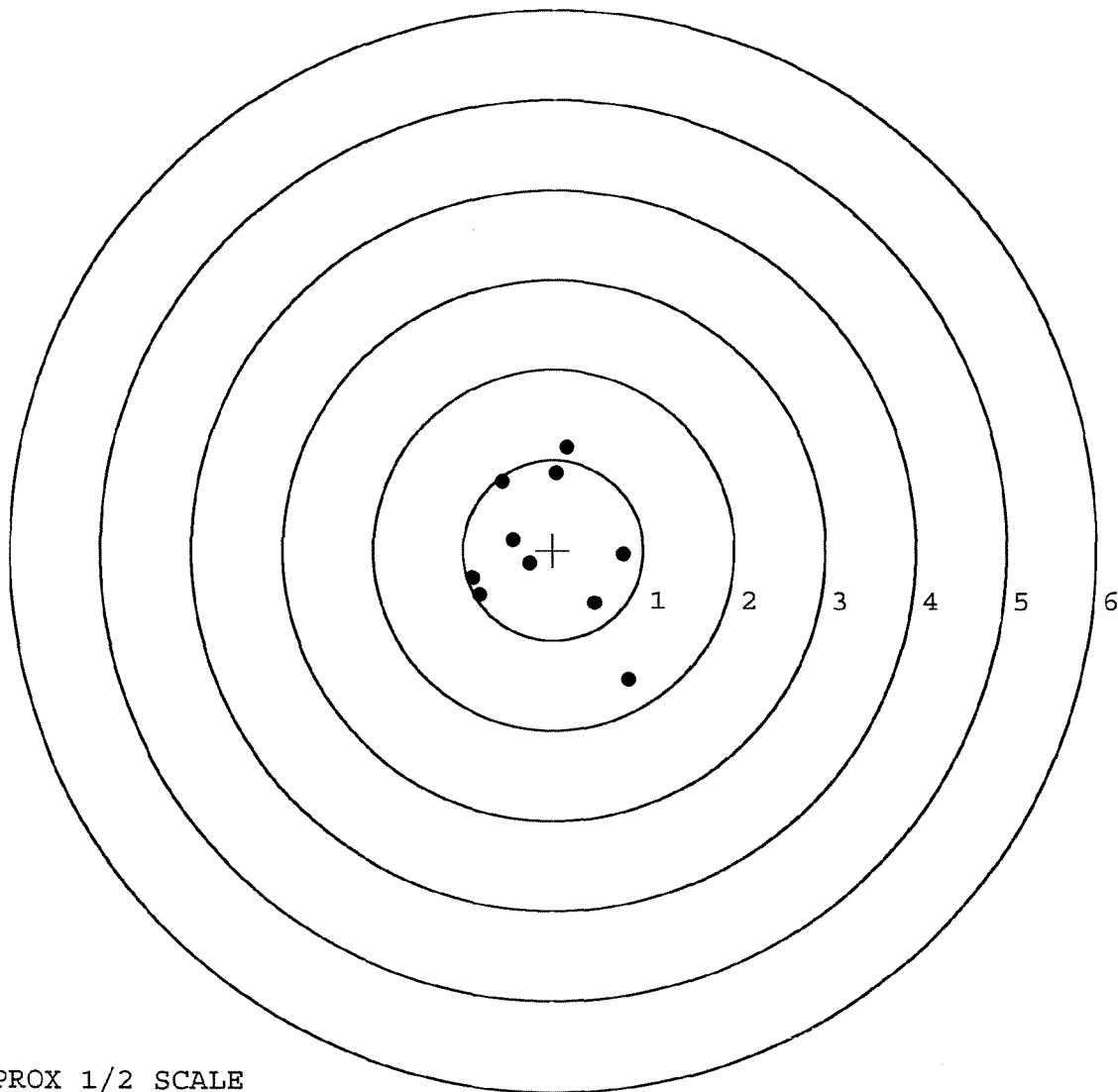
MEAN RADIUS: 0.869

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.844	-1.440
2:	0.465	-0.584
3:	0.784	-0.043
4:	-0.256	-0.151
5:	-0.442	0.114
6:	-0.815	-0.498
7:	-0.889	-0.309
8:	-0.573	0.763
9:	0.035	0.855
10:	0.157	1.138



TARGET APPROX 1/2 SCALE

3284 A Z

R & E NUMBER 128709SERIAL NUMBER C6587668LOG-IN DATE 4-30-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-26-07	RTZ
505	RE-BARREL	7-31-07	RTZ
560	ASSEMBLE	7-31-07	RTZ
600	PROOF	8/1/07	mm
605	CHECK HEADSPACE	8/1/07	mm
610	DIS-ASSEMBLE GUN	8-2-07	RTZ
612	MAGNAFLUX	8-3-07	NRB
510	DRILL AND TAP	N/A 8-2-07	TRW
615	ROLLMARK CALIBER	8-2-07	CW
618	ROTO-BLAST	8-3-07	CH
620	APPLY COATINGS	8-10-07	CM
625	FINAL ASSEMBLY	8-13-07	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	8-15-07 TRW
650	TARGET	(PASS) FAIL	8-15-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	8-15-07	Fm
	A) HEADSPACE	(PASS) FAIL	8/17/07 mm
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.60 2.65 2.55 2.70 2.50 8/17/07 mm
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.75 5.50 5.25 8/17/07 mm
	G) SAFETY OFF FORCE	2 LBS MIN	3.50 3.75 3.50 8/17/07 mm
	I) FIRING PIN INDENT	.020	.024 .024 .023 8/17/07 mm
690	PACK		8-23-07 KA

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: **RE00089025** Serial: C6587668 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 12/6/2004 7:41:18 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **TRANSPORTATION OFFICER** **TRANSPORTATION OFFICER**

Address 1: **DEF DIST DEPOT ANNISTON AL** **DEF DIST DEPOT ANNISTON AL**

Address 2: **PO Box:** **PO Box:**

City: **ANNISTON** **ANNISTON**

State: **AL** Zip Code: **36201** Country: **US** State: **AL** Zip Code: **36201** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Condition: **Good**

Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A055	Deployment Kit	1
C000	FRT AND REAR SGT	1
C001	SCOPE CASE	1

Repair Search **Refresh** **Close**

negletj 12/6/2004 8:52 AM CAPS NUM INF SCRL

start 2 2 2 2

Serial Number: **C6587668**

Model: **M24 SWS**



RE00089025

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587668.___0
FILE DATE AND TIME: 01/10/2005 11:04

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.105
The Average Y Centroid of the Five Target Set:	-0.043
The Average Point of Impact of the Five Target Set:	0.113
The Average Mean Radius of the Five Target Set:	0.787
The Distance from POA to Centroid Target #1:	0.120
The Distance from Centroid Target #2 to Centroid Target #1:	0.119
The Distance from Centroid Target #3 to Centroid Target #1:	0.062
The Distance from Centroid Target #4 to Centroid Target #1:	0.119
The Distance from Centroid Target #5 to Centroid Target #1:	0.179

SERIAL NUMBER: C6587668. __0

TARGET NUMBER: 1

FILE DATE: 01/10/2005

FILE TIME: 11:04

X CENTROID: 0.095

Y CENTROID: -0.073

POA TO CENTROID: 0.120

HORZ SPREAD: 2.092

VERT SPREAD: 2.260

GROUP SPREAD: 2.680

MIN RADIUS: 0.237

MAX RADIUS: 1.521

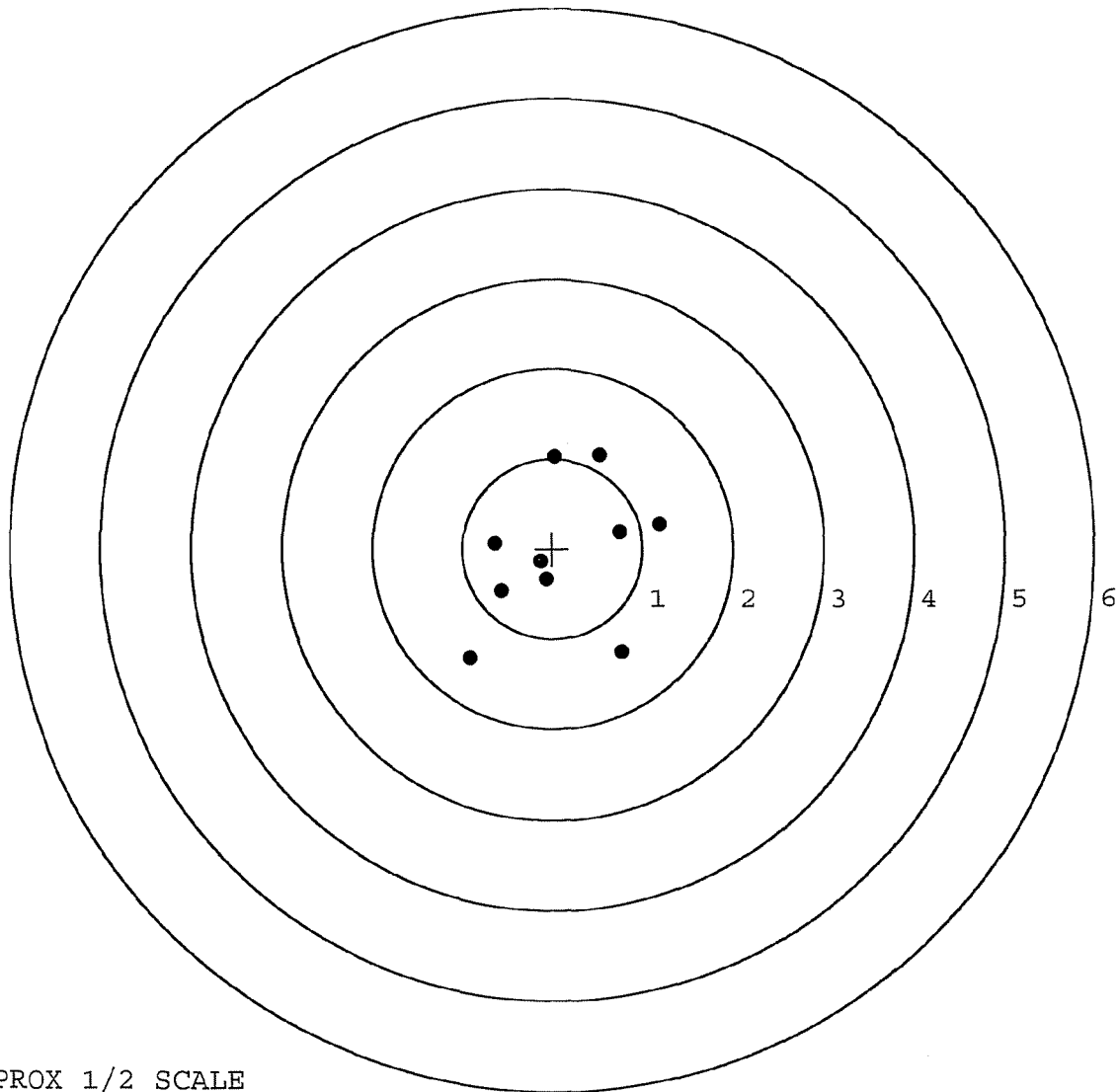
MEAN RADIUS: 0.901

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.778	-1.153
2:	1.181	0.276
3:	0.742	0.191
4:	0.529	1.046
5:	0.033	1.022
6:	-0.131	-0.144
7:	-0.634	0.062
8:	-0.569	-0.472
9:	-0.911	-1.214
10:	-0.067	-0.346



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587668. __0

TARGET NUMBER: 2

FILE DATE: 01/10/2005

FILE TIME: 11:04

X CENTROID: 0.077

Y CENTROID: 0.045

POA TO CENTROID: 0.089

HORZ SPREAD: 1.756

VERT SPREAD: 1.200

GROUP SPREAD: 1.761

MIN RADIUS: 0.188

MAX RADIUS: 0.918

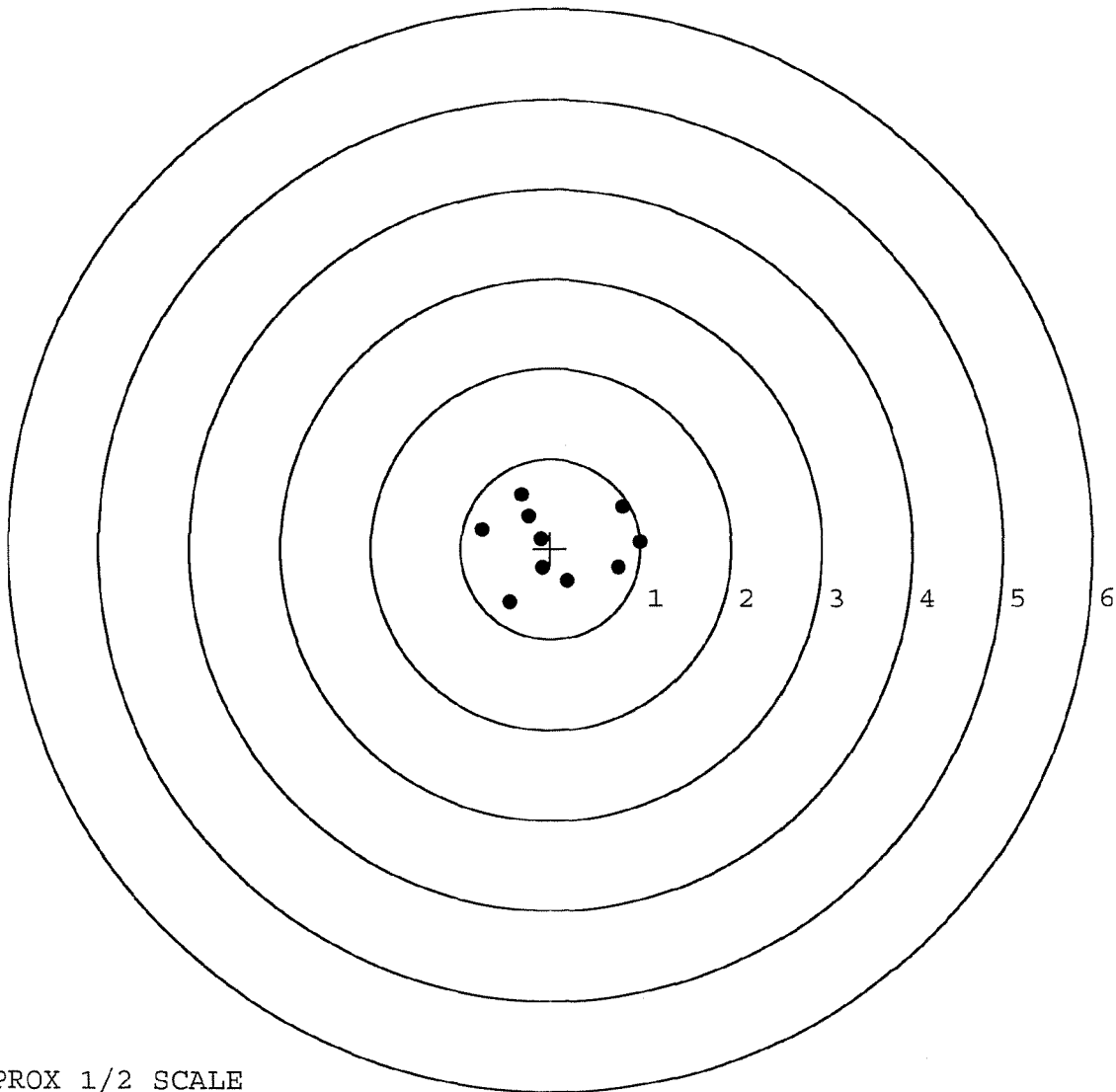
MEAN RADIUS: 0.623

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.757	-0.211
2:	0.994	0.078
3:	0.803	0.471
4:	-0.322	0.602
5:	-0.762	0.216
6:	-0.240	0.361
7:	-0.100	0.107
8:	-0.092	-0.216
9:	0.188	-0.364
10:	-0.456	-0.598



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587668. 0

TARGET NUMBER: 3

FILE DATE: 01/10/2005

FILE TIME: 11:04

X CENTROID: 0.045

Y CENTROID: -0.036

POA TO CENTROID: 0.058

HORZ SPREAD: 3.204

VERT SPREAD: 1.280

GROUP SPREAD: 3.211

MIN RADIUS: 0.190

MAX RADIUS: 1.869

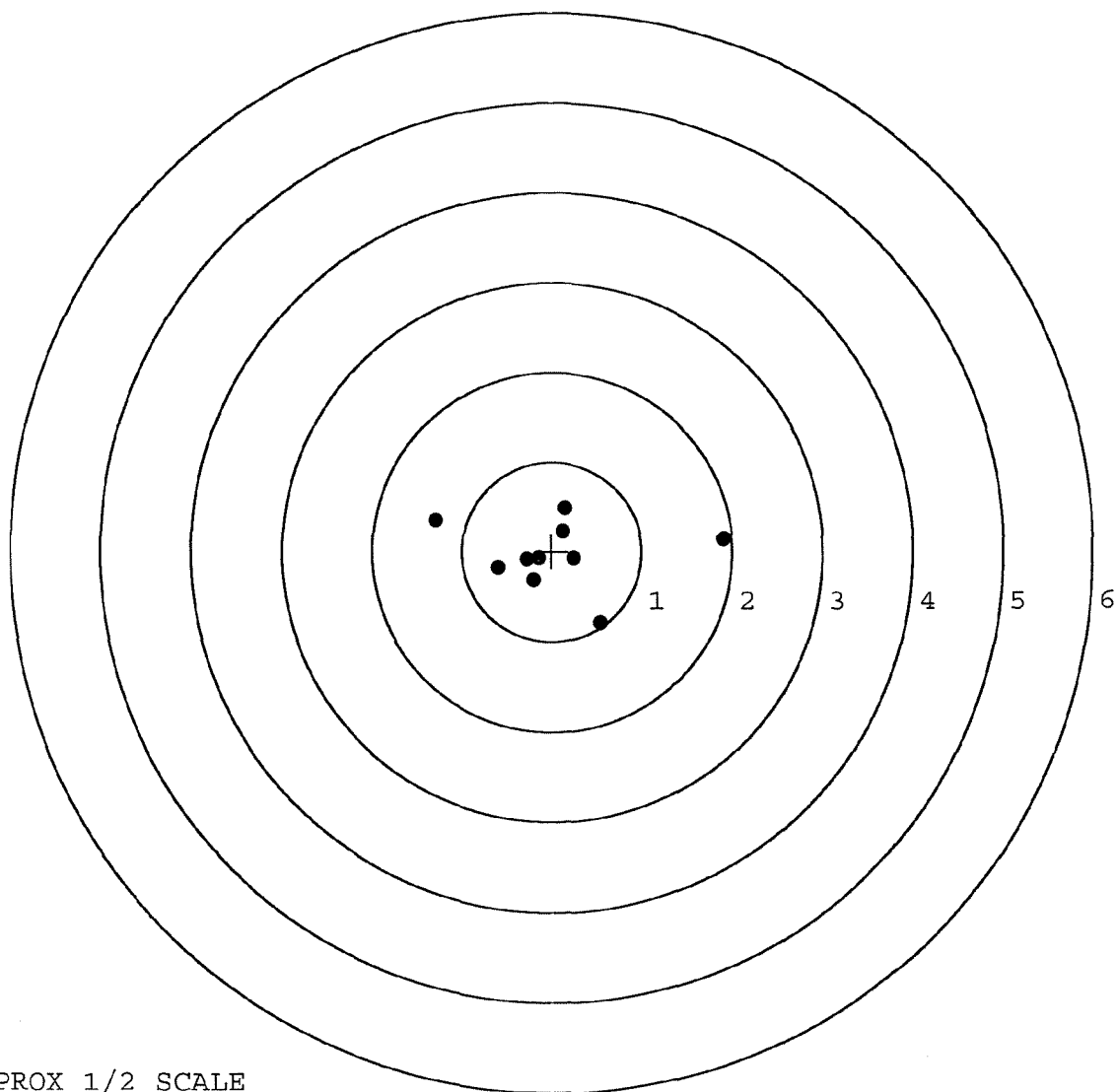
MEAN RADIUS: 0.674

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.906	0.142
2:	0.544	-0.797
3:	-1.298	0.347
4:	0.147	0.483
5:	0.122	0.224
6:	0.248	-0.080
7:	-0.140	-0.077
8:	-0.206	-0.323
9:	-0.594	-0.182
10:	-0.275	-0.093



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587668. __0

TARGET NUMBER: 4

FILE DATE: 01/10/2005

FILE TIME: 11:04

X CENTROID: 0.080

Y CENTROID: 0.045

POA TO CENTROID: 0.092

HORZ SPREAD: 2.433

VERT SPREAD: 1.874

GROUP SPREAD: 2.837

MIN RADIUS: 0.391

MAX RADIUS: 1.759

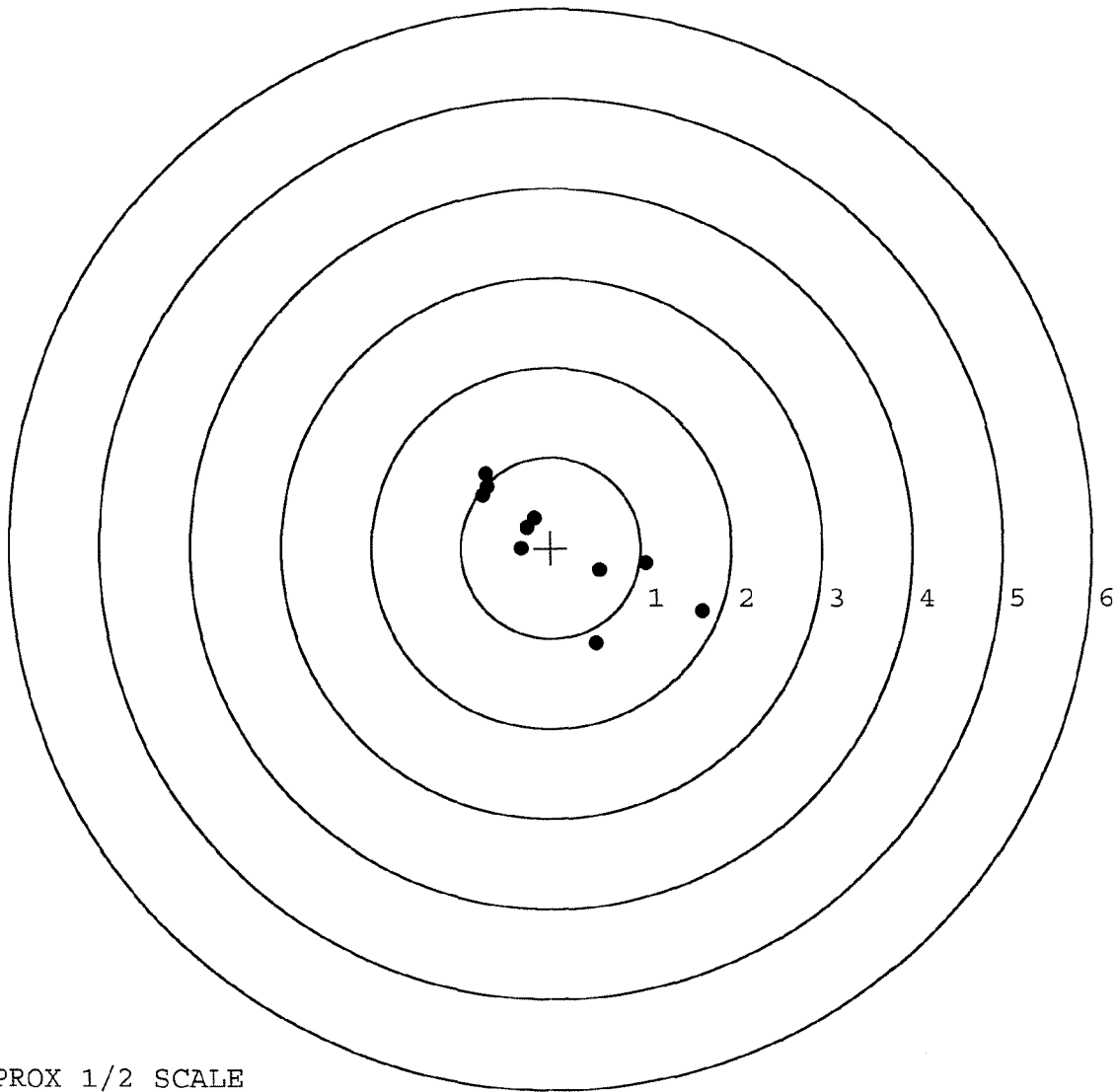
MEAN RADIUS: 0.881

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.676	-0.694
2:	0.510	-1.059
3:	1.059	-0.170
4:	0.541	-0.244
5:	-0.726	0.815
6:	-0.710	0.679
7:	-0.757	0.583
8:	-0.191	0.331
9:	-0.269	0.220
10:	-0.330	-0.009



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587668. __0

TARGET NUMBER: 5

FILE DATE: 01/10/2005

FILE TIME: 11:04

X CENTROID: 0.227

Y CENTROID: -0.195

POA TO CENTROID: 0.299

HORZ SPREAD: 2.274

VERT SPREAD: 2.286

GROUP SPREAD: 2.677

MIN RADIUS: 0.251

MAX RADIUS: 1.559

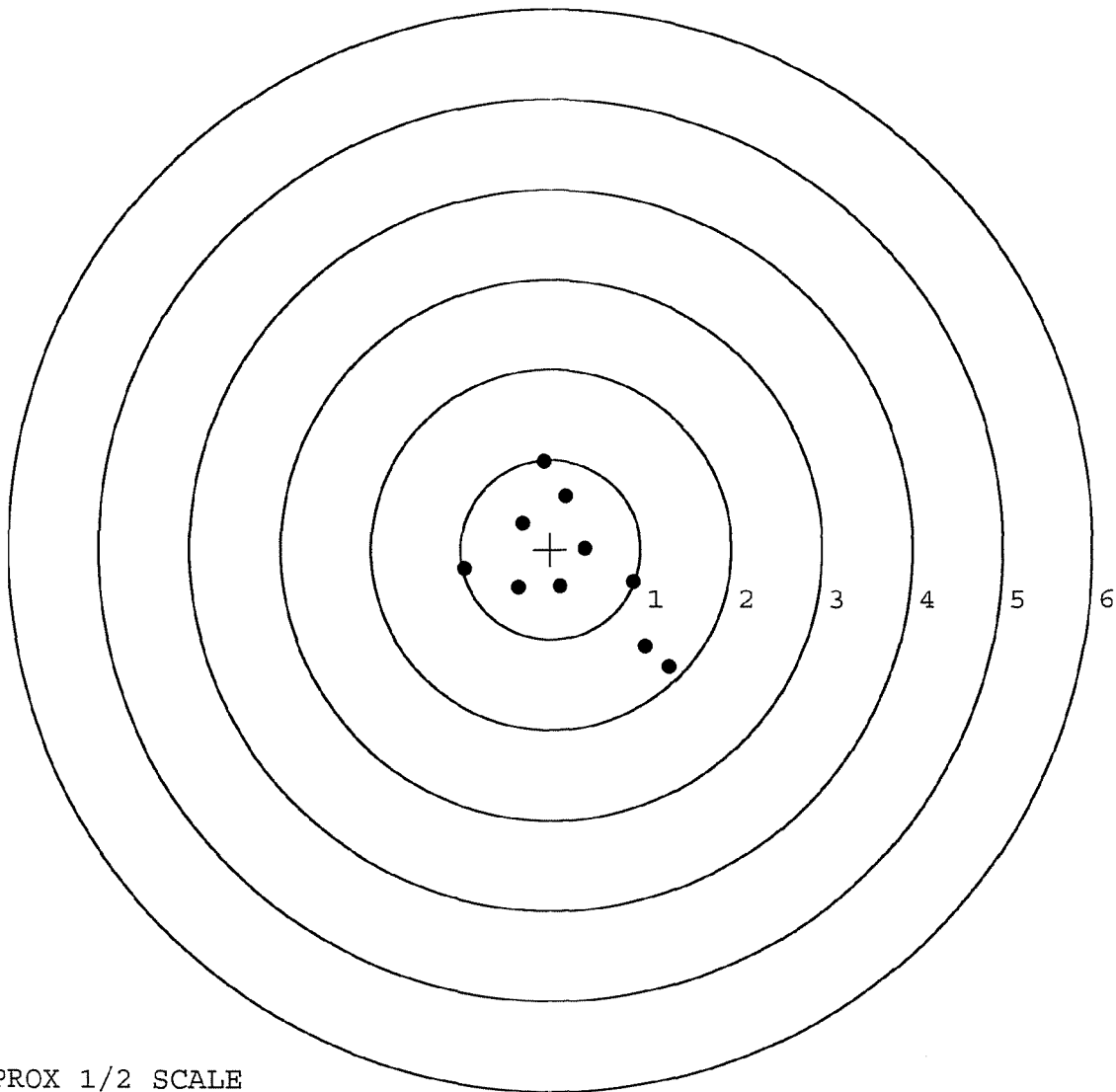
MEAN RADIUS: 0.855

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.318	-1.308
2:	1.056	-1.086
3:	0.923	-0.366
4:	0.393	0.019
5:	0.113	-0.418
6:	-0.355	-0.433
7:	-0.956	-0.217
8:	-0.314	0.293
9:	0.167	0.590
10:	-0.075	0.978



TARGET APPROX 1/2 SCALE

R & E NUMBER	89025		
SERIAL NUMBER	C6587668		
LOG-IN DATE	12-6-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-8-04	RTL
560 A	RE-BARREL	12-15-04	RTL
B	DRILL AND TAP	12-27-04	TRW
575	ASSEMBLE	12-16-04	RTL
600	PROOF	12-16-04	RTL
605	CHECK HEADSPACE	12-16-04	RTL
610	DIS-ASSEMBLE GUN	12-27-04	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	12-27-04	CW
618	ROTO-BLAST	12/28/04	DG
620	APPLY COATINGS	1/3/05	HP
625 A	FINAL ASSEMBLY	1-7-05	RTL
B	TRIGGER PULL TEST	N/A	
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-10-05	AC
655	FINAL INSPECT	1-11-05	AC
660	PACK	3-1-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

BARBER M24 0024871 RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18822

INITIAL CUSTOMER ORDER NO.
JUM DAAA09-92-C-0834

W/10X SCOPE M-24 SNIPER W/DEPLOYMENT KIT
ATTN FRED MARTIN *Scope S/N 90-0635*

DATE RECEIVED DATE OPENED DATE CODE
06/14/94 06/15/94

SERIAL NUMBER
C6587668

NEW SERIAL NUMBER

MODEL AND GRADE

700 7.62

NATO

ACCESSORIES

HARD CASE

SCOPE MNTS

SCOPE BASE

SLING STRAP

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

CUST NO: 098397 C.B.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

7-12-96 UPS

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
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			

MAIN FAULT

PARTS

COMMENTS

*NEW BARREL
Stock
TRIGGER ASSY
FIRING PIN ASSY
Front & Rear Sight Assy*

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

7/22/96

7/22/96

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0024871 24910

op. #	BARBER - M24 0024872 OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	7	7	7	7-12	REP
	G) Safety Off Force	4	4	4	7-12	REP
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent	.024	.0235	.0235	7-12	REP
	J) Assemble Stock				7-12	REP
	K) Assemble Swivel Studs					
	L) Attach Front and Rear Sight Assemblies					
	M) Iron Sight Alignment					
	N) Detach Front & Rear Sights & place in numbered container					
	O) Attach Scope to Rifle				7-12	REP
	P) Detach & Attach Scope 20 Times					
640	Gallery Target & Test					
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo					
655	Final Inspection A) Headspace					
	B) Trigger Pull	2.62	2.57	2.52	2.53	2.60 8/1/96 SF
	C) Function					
660	Pack					

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C658 7668

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607.	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7-12	REP
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7-12	REP
	C) Inspect Ejector Hole for Chamfer		7-12	REP
	D) Oil Firing Pin Ass'y		7-12	REP
	E) Adjust Trigger Pull to Min Setting and Stake			

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587668

DATE 7-11-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.73	2.72	2.41		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.76	2.80	2.69		
PULL #3	2.53	2.84	2.63		
PULL #4	2.54	2.79	2.54		
PULL #5	2.68	2.81	2.56		
TOTAL	13.24	13.96	12.83		
AVG.	2.64	2.79	2.56		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.26		
PULL #2	3.34	3.33		
PULL #3	3.46	3.47		
PULL #4	3.33	3.34		
PULL #5	3.37	3.31		
TOTAL	16.69	16.71		
AVG.	3.33	3.34		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.08		4.01
PULL #2	4.12	3.93		4.08
PULL #3	4.20	4.21		4.26
PULL #4	4.00	4.20		4.00
PULL #5	4.16	4.32		4.25
TOTAL	20.61	20.74		20.60
AVG.	4.12	4.14		4.12

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587668
12 Jan 1980

CENTROIDAL DISTANCES

0 TO 1	.217168
1 TO 2	.447321
1 TO 3	.0361248
1 TO 4	.0621691
1 TO 5	.0960208

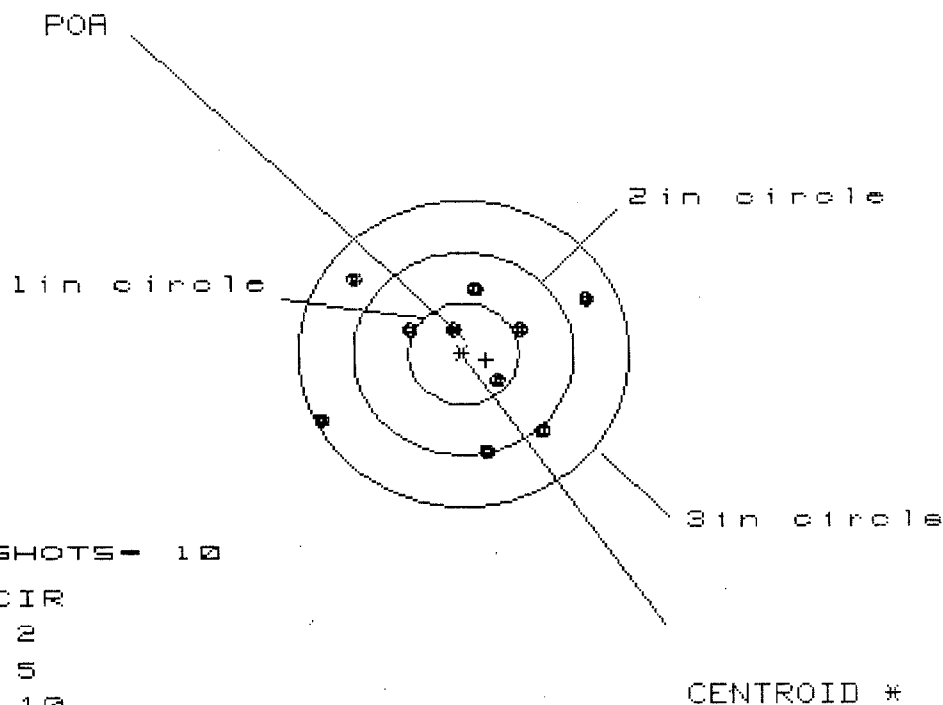
θ_2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1262
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0102
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .126612
 THE AMR FOR THIS RIFLE IS: .9314

18 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587668

CENTERFIRE PATTERNS # 1

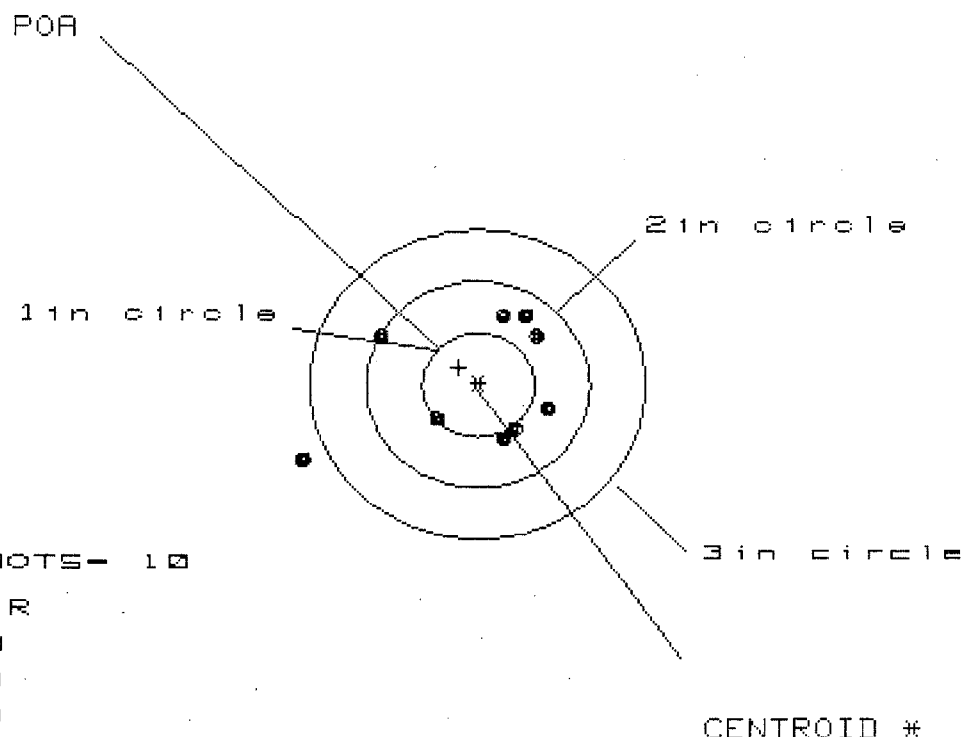


PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.060	.917	.774
MINIMUM X	-1.280	-1.147	-.823
MAXIMUM Y	.695	.624	.611
MINIMUM Y	-.999	-1.070	-.992
CENTROID X	-.209	-.066	.077
CENTROID Y	.059	.130	.052
POA TO CENTROID in.	.217	.146	.093
MIN RADIUS	.290	.299	.220
MEAN RADIUS	.835	.745	.666
MAX RADIUS	1.431	1.306	.997
HORIZONTAL SPREAD	2.340	2.064	1.597
VERTICAL SPREAD	1.694	1.694	1.603
EXTREME SPREAD	2.628	2.276	1.784
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

18 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587668

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 9

3in = 9

HS= 2.190

VS= 1.362

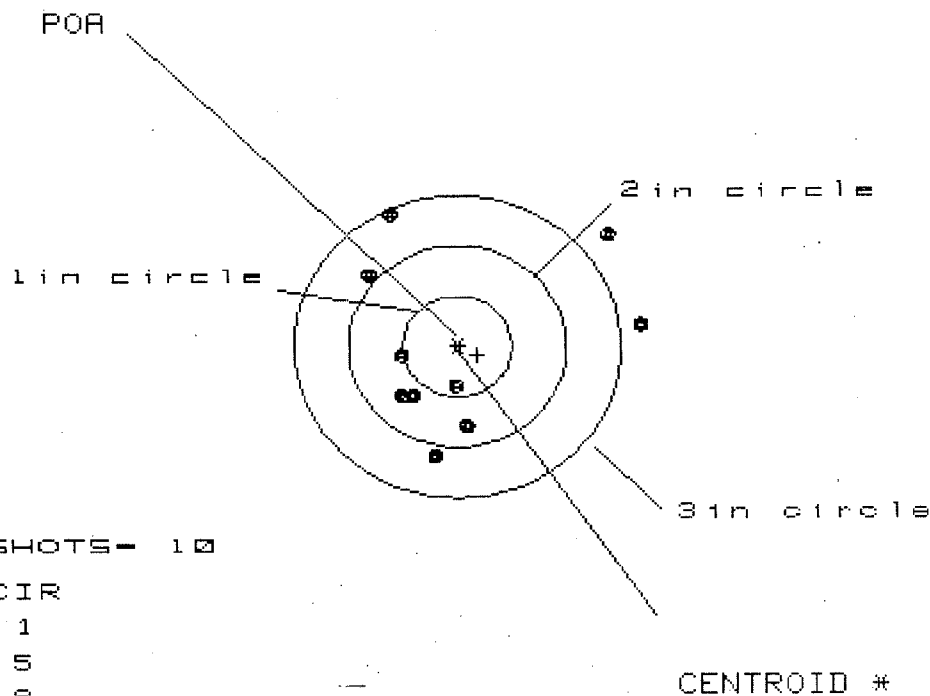
GS= 2.426

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.603	.426	.296
MINIMUM X	:	-1.587	-1.041	-.726
MAXIMUM Y	:	.689	.614	.667
MINIMUM Y	:	-.673	-.626	-.573
CENTROID X	:	.171	.348	.478
CENTROID Y	:	-.177	-.102	-.155
POA TO CENTROID in.	:	.246	.362	.502
MIN RADIUS	:	.501	.489	.361
MEAN RADIUS	:	.779	.636	.543
MAX RADIUS	:	1.724	1.124	.790
HORIZONTAL SPREAD	:	2.190	1.467	1.022
VERTICAL SPREAD	:	1.362	1.240	1.240
EXTREME SPREAD	:	2.426	1.629	1.242
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587668

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.504

VS= 2.350

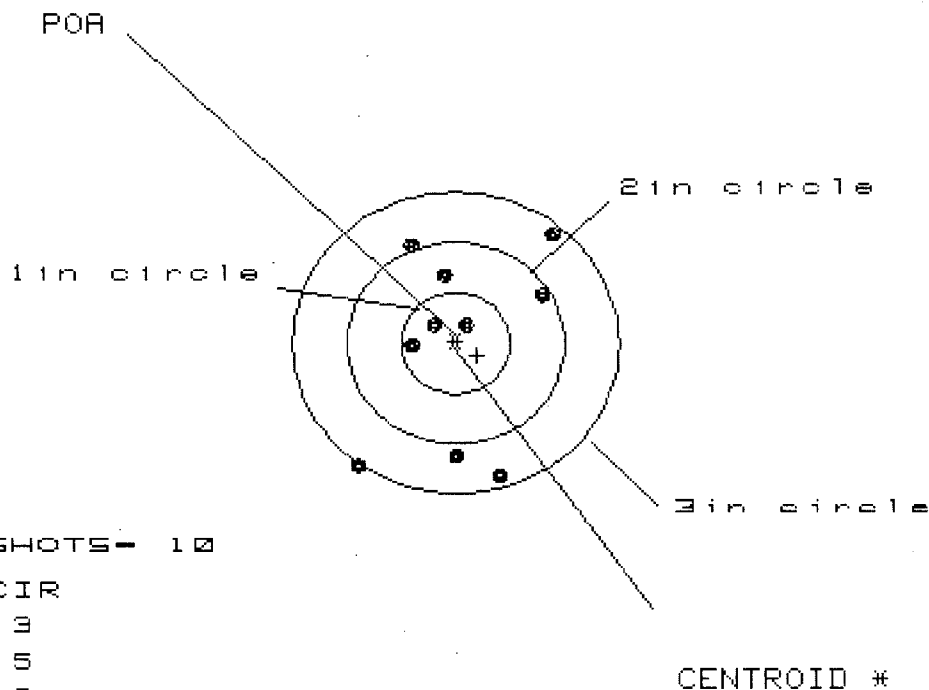
GS= 2.695

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.654
MINIMUM X	-.850
MAXIMUM Y	1.300
MINIMUM Y	-1.050
CENTROID X	-.185
CENTROID Y	.086
POA TO CENTROID in.	.204
MIN RADIUS	.378
MEAN RADIUS	1.016
MAX RADIUS	1.770
HORIZONTAL SPREAD	2.504
VERTICAL SPREAD	2.350
EXTREME SPREAD	2.695
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

18 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587668

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in - 3

2 in - 5

3 in - 9

HS - 1.751

VS - 2.466

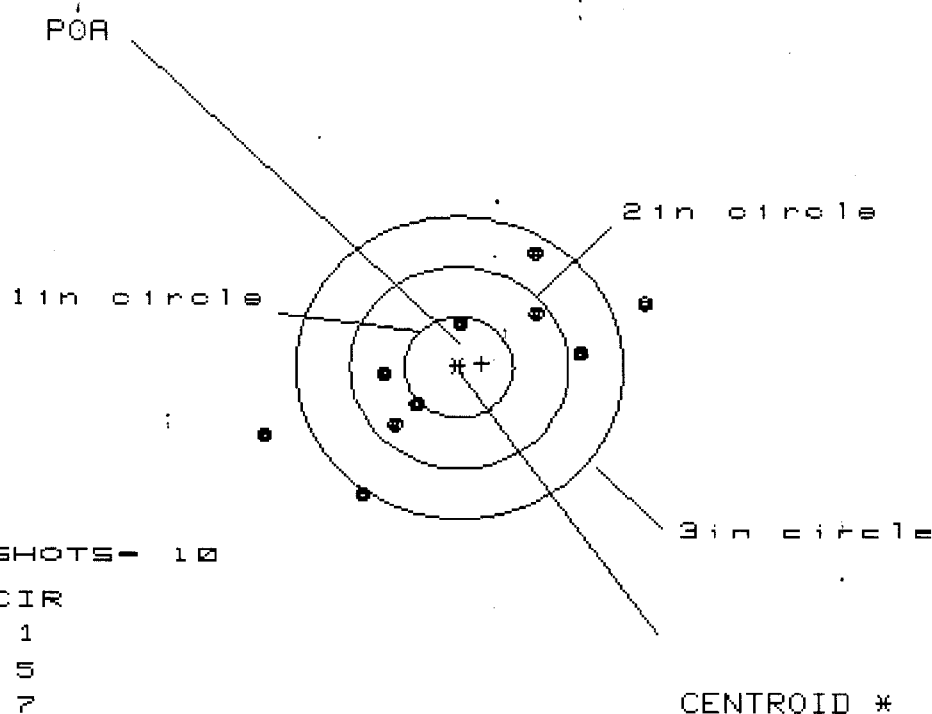
GS - 2.910

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.848	.747	.782
MINIMUM X	-.983	-.553	-.518
MAXIMUM Y	1.111	.976	.789
MINIMUM Y	-1.355	-1.490	-1.458
CENTROID X	-.197	-.096	-.131
CENTROID Y	.120	.254	.441
POA TO CENTROID in.	.230	.272	.460
MIN RADIUS	.164	.017	.182
MEAN RADIUS	.910	.813	.707
MAX RADIUS	1.513	1.517	1.458
HORIZONTAL SPREAD	1.751	1.300	1.300
VERTICAL SPREAD	2.466	2.466	2.247
EXTREME SPREAD	2.910	2.513	2.388
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

10 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587668

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 3.523

VS= 2.425

GS= 3.775

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.740	1.541	1.102
MINIMUM X	-1.783	-1.063	-.870
MAXIMUM Y	1.159	1.084	1.160
MINIMUM Y	-1.266	-1.341	-1.265
CENTROID X	-.211	-.012	-.205
CENTROID Y	-.037	.038	-.038
POA TO CENTROID in.	.214	.040	.209
MIN RADIUS	.437	.419	.437
MEAN RADIUS	1.117	1.027	.925
MAX RADIUS	1.907	1.711	1.535
HORIZONTAL SPREAD	3.523	2.604	1.972
VERTICAL SPREAD	2.425	2.425	2.425
EXTREME SPREAD	3.775	3.25	2.914
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

Remington.



VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ M24

SERIAL NO.
C6587668

ORDER NO.
5716

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

01



5716 C6587668

UPC



BARBER - M24 0024881

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

BARBER - M24 002488924920

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587668

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1019	90	RW
600	Proof	1019	90	RW
607	Check Headspace	1019	90	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		10/23/90	KR
	Magnaflux Bolt		10/23/90	KR
615	Rollmark Caliber		10/23/90	ZS
617	Drill and Tap Sight Holes		10/20/90	FJB
618	Polish Barrel		10/29/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-27-90	JA

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	2 1/2	3 1/2	3 1/2	11/27/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	11/27/90	WB
	H) Trigger Pull Test & Retainability				11/27/90	JCL
	I) Firing Pin Indent	.0225	.023	.023	11/27/90	WB
	J) Assemble Stock				12/7/90	RW
	K) Assemble Swivel Studs				12-8-90	JSL
	L) Attach Front and Rear Sight Assemblies				12/7/90	RW
	M) Iron Sight Alignment				12/7/90	RW
	N) Detach Front & Rear Sights & place in numbered container				12/7/90	RW
	O) Attach Scope to Rifle				12/7/90	RW
	P) Detach & Attach Scope 20 Times				12/7/90	RW
640	Gallery Target & Test				12-7-90	J
	A) Time				"	J
	B) Malfunctions				"	J
	C) Pierced Primers				"	J
	D) Optical Clarity of Scope				"	J
645	Inspect for Live Ammo				12-9-90	J
655	Final Inspection					
	A) Headspace				12-8-90	JSL
	B) Trigger Pull	234	228	232	12-8-90	JSL
	C) Function				12-8-90	JSL
660	Pack				12/14/90	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6587668

DATE 11-27-90

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.45	2.29	234	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.14	2.27	2.42	228	
PULL #3	2.13	2.21	2.41	232	
PULL #4	2.22	2.28	2.36	233	
PULL #5	2.22	2.40	2.45	233	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.27		
PULL #2	3.14	3.22		
PULL #3	3.45	3.42		
PULL #4	3.36	3.32		
PULL #5	3.25	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.12		4.27
PULL #2	4.20	4.10		4.28
PULL #3	4.19	4.42		4.25
PULL #4	4.14	4.20		4.19
PULL #5	4.22	4.44		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587668
7 Dec 1990

CENTROIDAL DISTANCES

0	TO	1	.348772
1	TO	2	.208856
1	TO	3	.361836
1	TO	4	.408006
1	TO	5	.378904

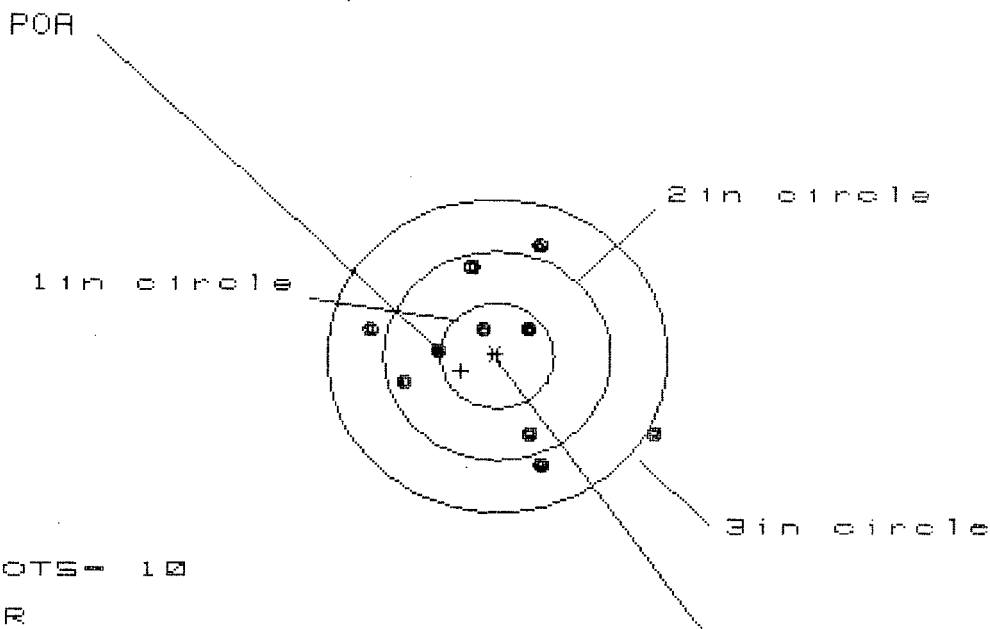
41 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1108
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0074
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .111047
THE AMR FOR THIS RIFLE IS: 1.04

7 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587668

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.480

VS= 2.131

GS= 2.664

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.410	.576	.645
MINIMUM X	:	-1.070	-.914	-.845
MAXIMUM Y	:	1.107	1.028	.869
MINIMUM Y	:	-1.024	-1.103	-.974
CENTROID X	:	.319	.163	.094
CENTROID Y	:	.141	.220	.091
POA TO CENTROID in.	:	.349	.273	.131
MIN RADIUS	:	.311	.195	.322
MEAN RADIUS	:	.860	.747	.697
MAX RADIUS	:	1.578	1.244	1.169
HORIZONTAL SPREAD	:	2.480	1.490	1.490
VERTICAL SPREAD	:	2.131	2.131	1.843
EXTREME SPREAD	:	2.664	2.131	1.969
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587668

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 0

2in = 3

3in = 9

HS = 3.423

VS = 2.291

GS = 3.456

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.218	1.014	.925
MINIMUM X	:	-1.205	-.959	-1.048
MAXIMUM Y	:	1.074	1.071	1.194
MINIMUM Y	:	-1.218	-1.220	-1.097
CENTROID X	:	.144	-.102	-.013
CENTROID Y	:	.027	.029	-.094
POA TO CENTROID in.	:	.147	.106	.095
MIN RADIUS	:	.961	.721	.845
MEAN RADIUS	:	1.251	1.113	1.095
MAX RADIUS	:	2.218	1.313	1.308
HORIZONTAL SPREAD	:	3.423	1.973	1.973
VERTICAL SPREAD	:	2.291	2.291	2.291
EXTREME SPREAD	:	3.456	2.520	2.498
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587668

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.724

VS = 2.925

GS = 3.182

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.299	.834	.857
MINIMUM X	:	-1.425	-1.280	-1.257
MAXIMUM Y	:	1.495	1.336	1.450
MINIMUM Y	:	-1.430	-1.352	-1.184
CENTROID X	:	.162	.017	-.006
CENTROID Y	:	-.185	-.026	-.194
POA TO CENTROID in.	:	.246	.032	.194
MIN RADIUS	:	.147	.172	.248
MEAN RADIUS	:	1.141	1.051	1.008
MAX RADIUS	:	1.932	1.399	1.510
HORIZONTAL SPREAD	:	2.724	2.114	2.114
VERTICAL SPREAD	:	2.925	2.688	2.635
EXTREME SPREAD	:	3.182	2.693	2.635
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587668

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 9

HS = 3.393

VS = 2.053

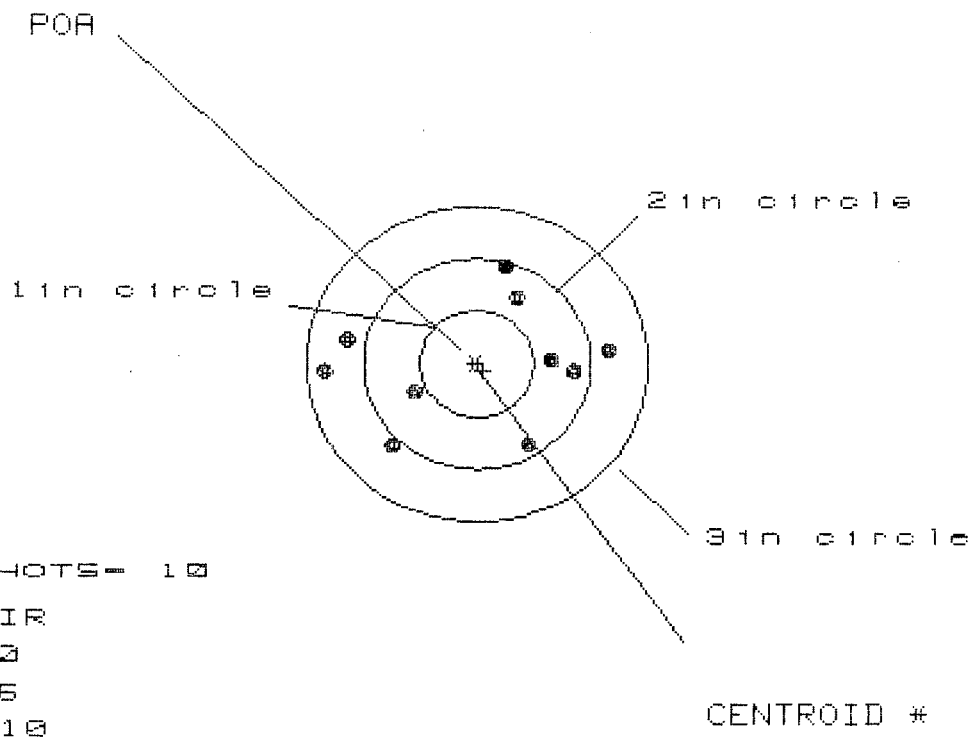
GS = 3.731

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.961	.691	.741
MINIMUM X	:	-2.432	-.857	-.807
MAXIMUM Y	:	1.039	.926	.970
MINIMUM Y	:	-1.014	-1.019	-.903
CENTROID X	:	-.018	.252	.202
CENTROID Y	:	-.089	.024	-.092
POA TO CENTROID in.	:	.091	.253	.222
MIN RADIUS	:	.312	.216	.310
MEAN RADIUS	:	1.027	.794	.767
MAX RADIUS	:	2.635	1.253	1.130
HORIZONTAL SPREAD	:	3.393	1.548	1.548
VERTICAL SPREAD	:	2.053	1.945	1.873
EXTREME SPREAD	:	3.731	2.249	2.219
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587668

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 0

2in = 6

3in = 10

HS = 2.441

VS = 1.667

GS = 2.449

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.108	.960	.803
MINIMUM X	-1.333	-1.256	-1.016
MAXIMUM Y	.908	.900	.922
MINIMUM Y	-.759	-.767	-.745
CENTROID X	-.053	.095	.252
CENTROID Y	.069	.077	.055
POA TO CENTROID in.	.087	.123	.258
MIN RADIUS	.560	.543	.387
MEAN RADIUS	.920	.851	.767
MAX RADIUS	1.335	1.269	1.238
HORIZONTAL SPREAD	2.441	2.216	1.819
VERTICAL SPREAD	1.667	1.667	1.667
EXTREME SPREAD	2.449	2.217	2.086
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		