

06348927

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00128645

Serial: C6348927 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

New 4/27/2007 7:21:29 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
A008	With Swivel	2
A010	Hard Case	1
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglet

4/27/2007

7:43 AM

CAPS

NUM

INS

SCRL

start

51

R...

51

M...

S...

B...

P...

A...

7:43 AM

Serial Number:

C6348927

Model: M24 SWS



RE00128645

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348927.___0
FILE DATE AND TIME: 08/15/2007 14:11

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.068
The Average Y Centroid of the Five Target Set:	0.005
The Average Point of Impact of the Five Target Set:	0.068
The Average Mean Radius of the Five Target Set:	0.783
The Distance from POA to Centroid Target #1:	0.038
The Distance from Centroid Target #2 to Centroid Target #1:	0.111
The Distance from Centroid Target #3 to Centroid Target #1:	0.110
The Distance from Centroid Target #4 to Centroid Target #1:	0.107
The Distance from Centroid Target #5 to Centroid Target #1:	0.394

BARBER - M24 0041786

SERIAL NUMBER: C6348927. __0

TARGET NUMBER: 1

FILE DATE: 08/15/2007

FILE TIME: 14:11

POINT#	X	Y
1:	0.017	-0.832
2:	0.056	-0.692
3:	0.066	-0.495
4:	-0.462	-0.379
5:	-0.202	-0.081
6:	-0.945	-0.209
7:	0.252	0.096
8:	0.430	0.472
9:	0.654	0.866
10:	0.468	1.070

X CENTROID: 0.033

Y CENTROID: -0.018

POA TO CENTROID: 0.038

HORZ SPREAD: 1.599

VERT SPREAD: 1.902

GROUP SPREAD: 1.955

MIN RADIUS: 0.244

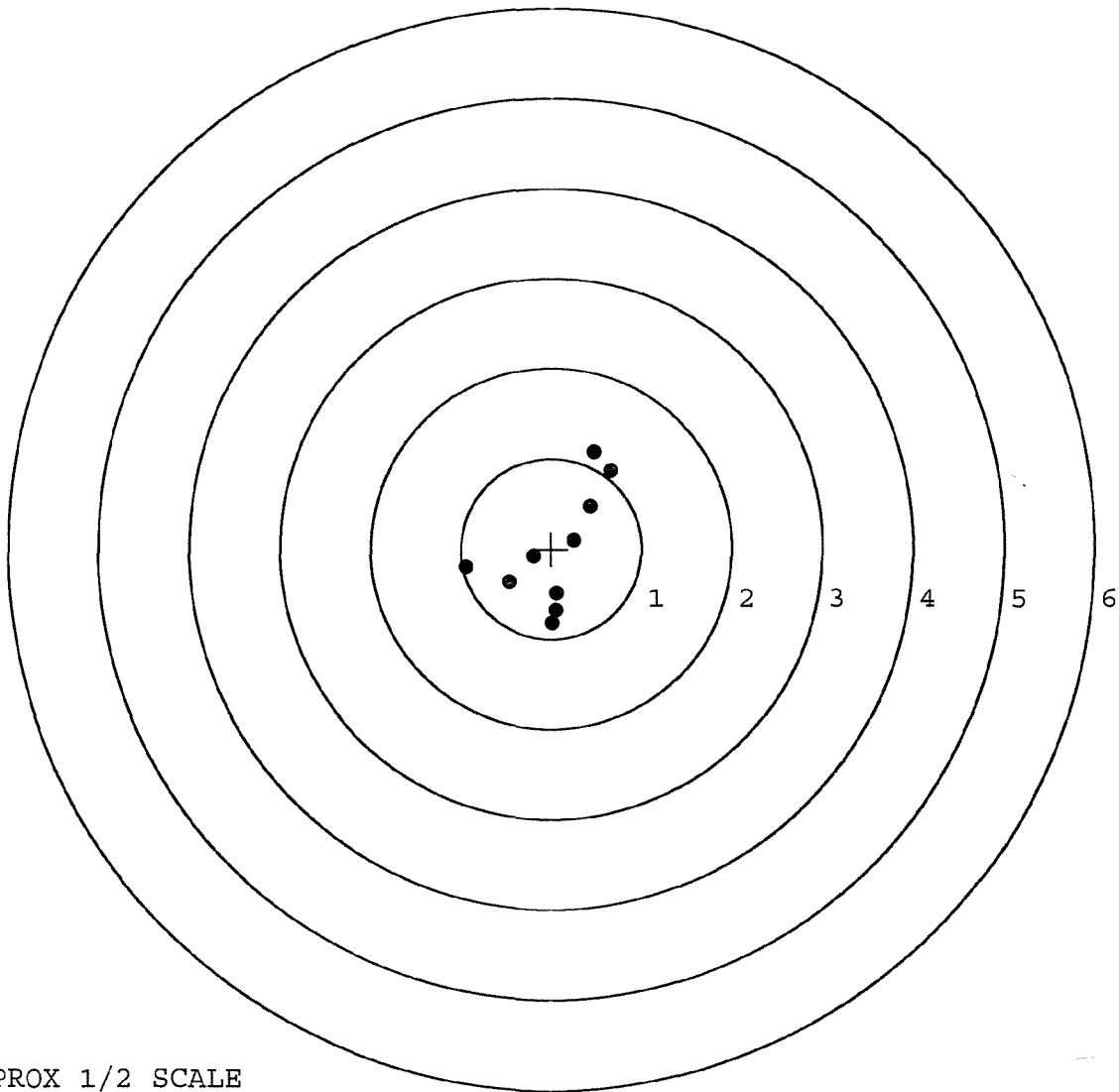
MAX RADIUS: 1.172

MEAN RADIUS: 0.695

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0041787

SERIAL NUMBER: C6348927. __0

TARGET NUMBER: 2

FILE DATE: 08/15/2007

FILE TIME: 14:11

POINT#	X	Y
1:	0.776	-1.577
2:	0.160	-0.634
3:	0.228	-0.439
4:	0.569	-0.040
5:	0.145	0.248
6:	0.884	0.655
7:	0.537	0.656
8:	-0.572	-0.032
9:	-1.058	0.291
10:	-1.334	-0.419

X CENTROID: 0.033

Y CENTROID: -0.129

POA TO CENTROID: 0.133

HORZ SPREAD: 2.218

VERT SPREAD: 2.233

GROUP SPREAD: 2.618

MIN RADIUS: 0.366

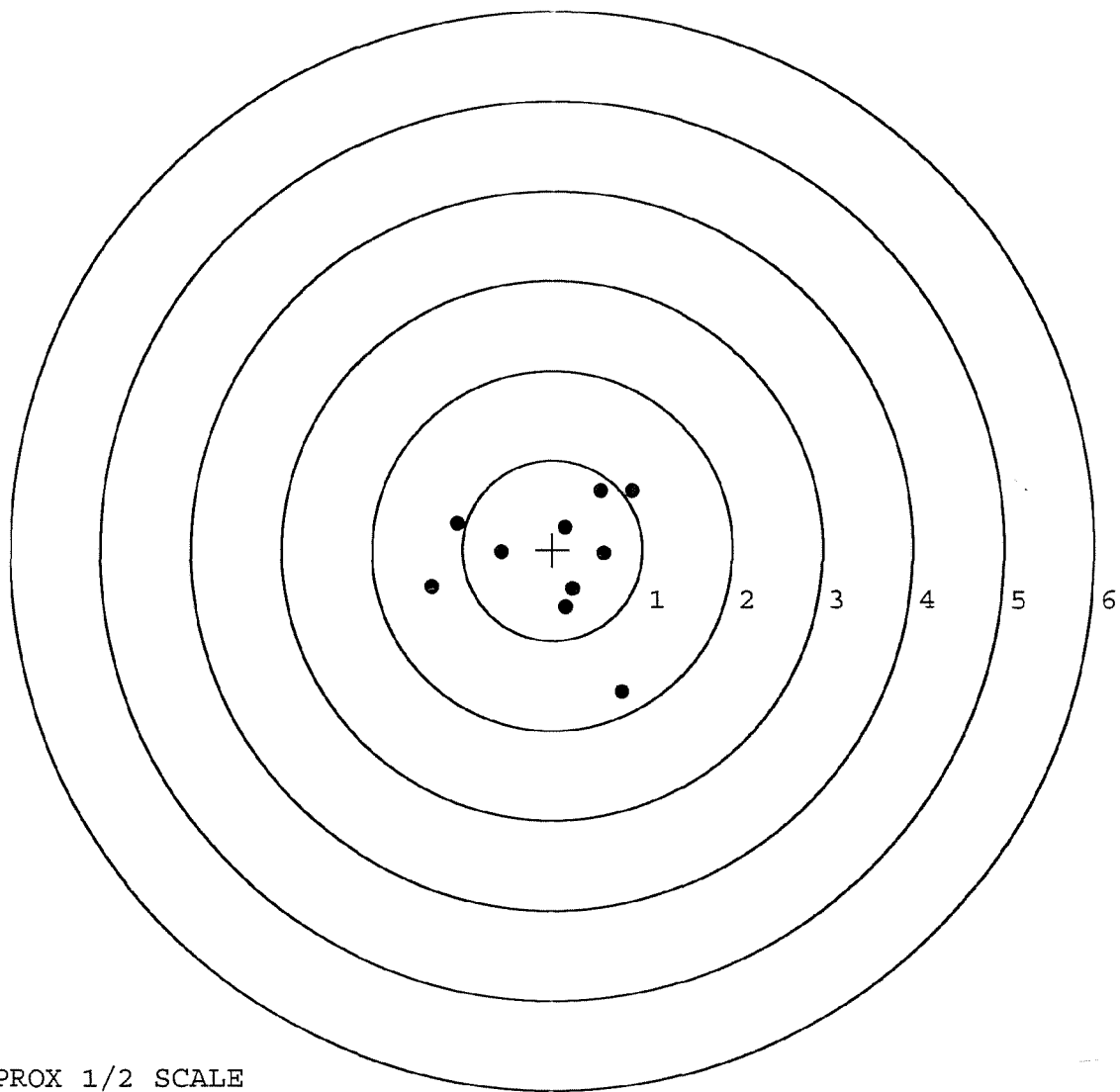
MAX RADIUS: 1.627

MEAN RADIUS: 0.872

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0041788

SERIAL NUMBER: C6348927. 0

TARGET NUMBER: 3

FILE DATE: 08/15/2007

FILE TIME: 14:11

POINT#	X	Y
1:	0.853	0.318
2:	-1.052	-0.565
3:	-0.316	0.309
4:	-0.573	0.751
5:	-0.384	0.832
6:	0.336	0.115
7:	0.350	-0.373
8:	0.122	-0.087
9:	0.171	-0.250
10:	-0.061	-0.579

X CENTROID: -0.055

Y CENTROID: 0.047

POA TO CENTROID: 0.073

HORZ SPREAD: 1.905

VERT SPREAD: 1.411

GROUP SPREAD: 2.100

MIN RADIUS: 0.222

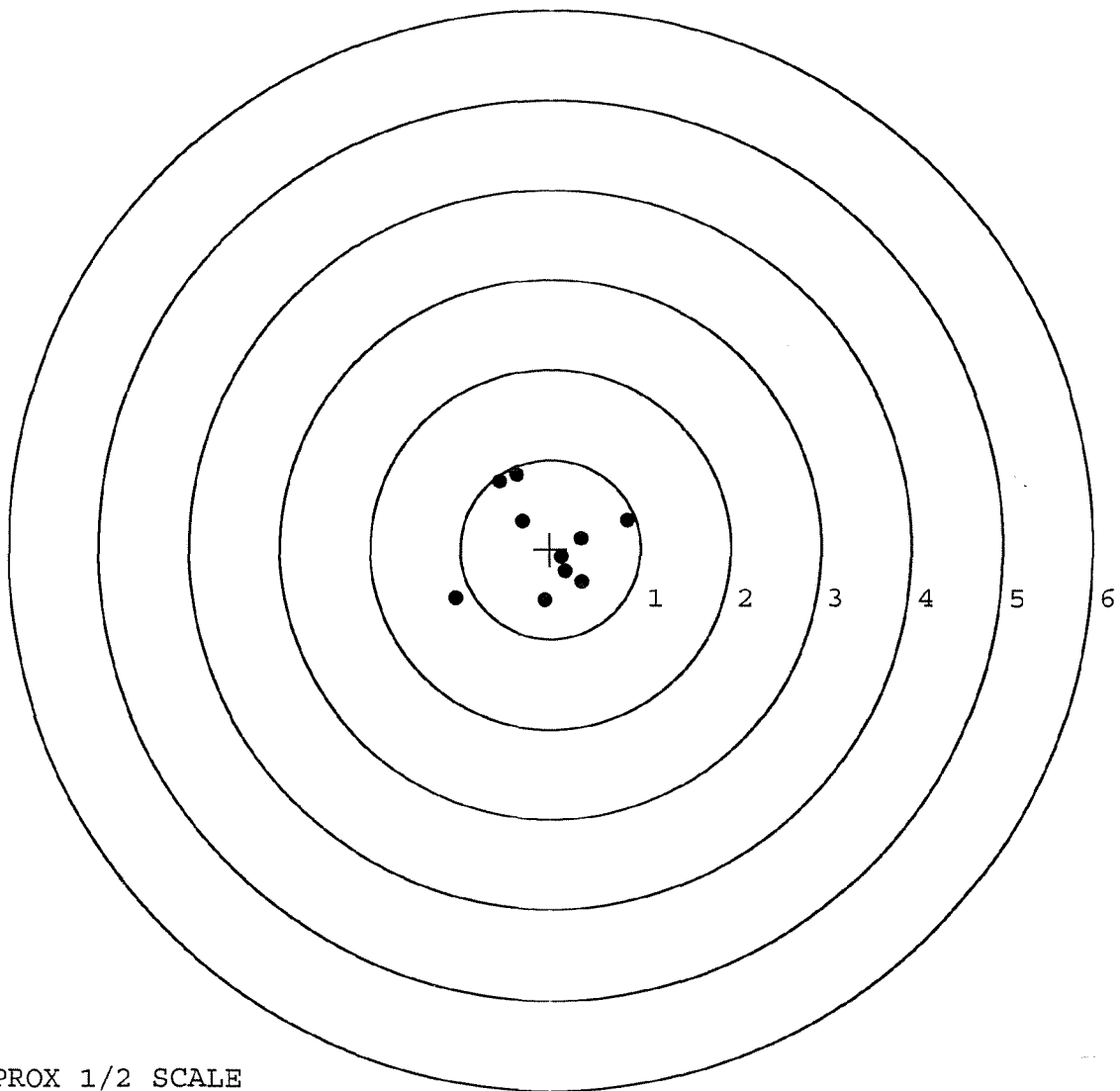
MAX RADIUS: 1.170

MEAN RADIUS: 0.641

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0041789

SERIAL NUMBER: C6348927. 0

TARGET NUMBER: 4

FILE DATE: 08/15/2007

FILE TIME: 14:11

POINT#	X	Y
1:	0.737	-0.357
2:	0.639	-0.099
3:	0.157	-0.291
4:	-0.128	-0.567
5:	-0.051	-1.037
6:	0.546	0.551
7:	-0.513	0.336
8:	-0.622	1.008
9:	-1.400	-0.485
10:	0.654	-0.266

X CENTROID: 0.002

Y CENTROID: -0.121

POA TO CENTROID: 0.121

HORZ SPREAD: 2.137

VERT SPREAD: 2.045

GROUP SPREAD: 2.205

MIN RADIUS: 0.230

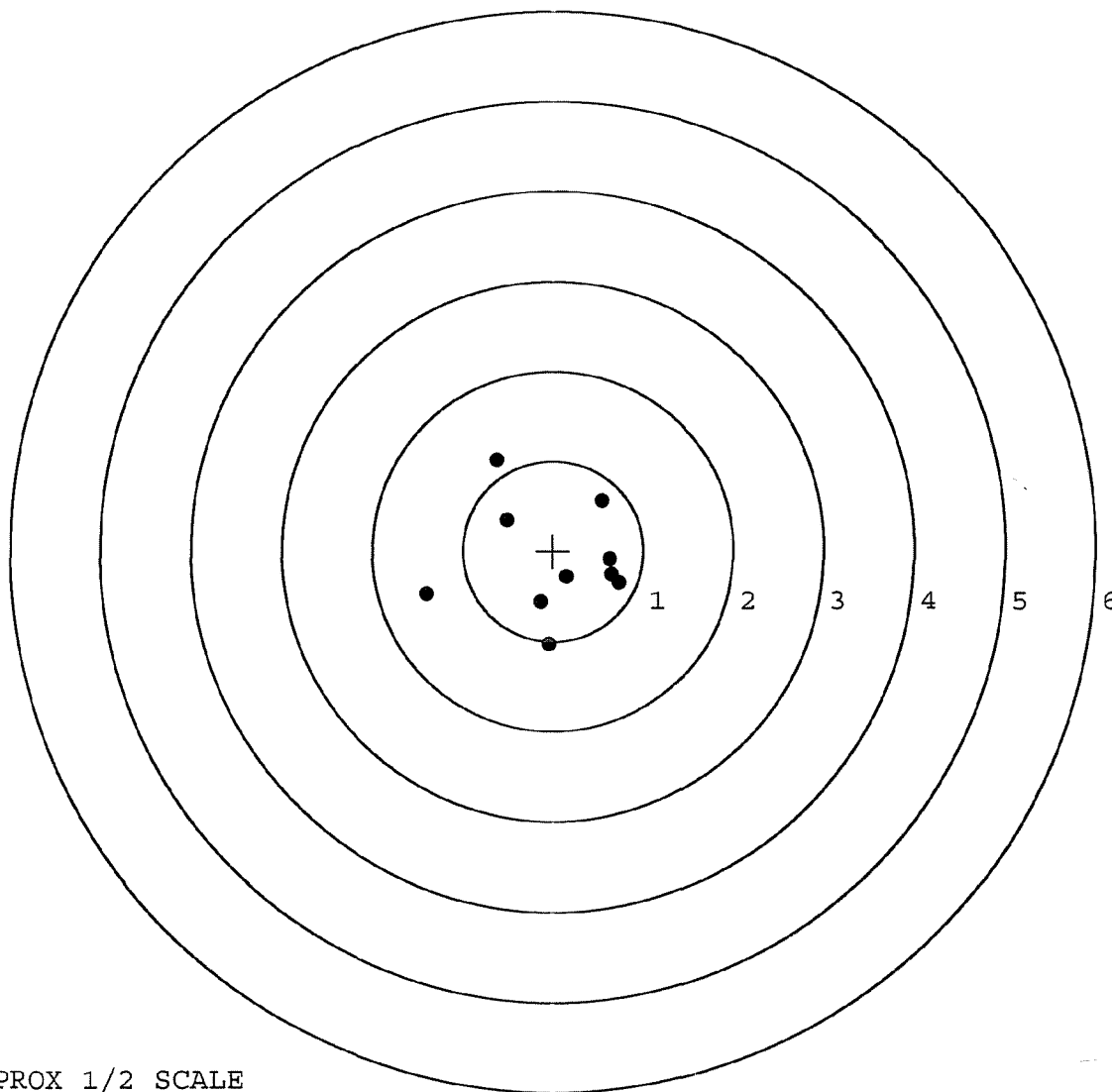
MAX RADIUS: 1.448

MEAN RADIUS: 0.798

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0041790

SERIAL NUMBER: C6348927. __0

TARGET NUMBER: 5

FILE DATE: 08/15/2007

FILE TIME: 14:11

POINT#	X	Y
1:	1.405	0.674
2:	1.262	0.800
3:	1.051	0.204
4:	0.819	0.712
5:	0.237	0.815
6:	0.500	-0.438
7:	-0.055	-0.704
8:	-0.436	-0.279
9:	-0.472	0.410
10:	-1.069	0.279

X CENTROID: 0.324

Y CENTROID: 0.247

POA TO CENTROID: 0.408

HORZ SPREAD: 2.474

VERT SPREAD: 1.519

GROUP SPREAD: 2.505

MIN RADIUS: 0.574

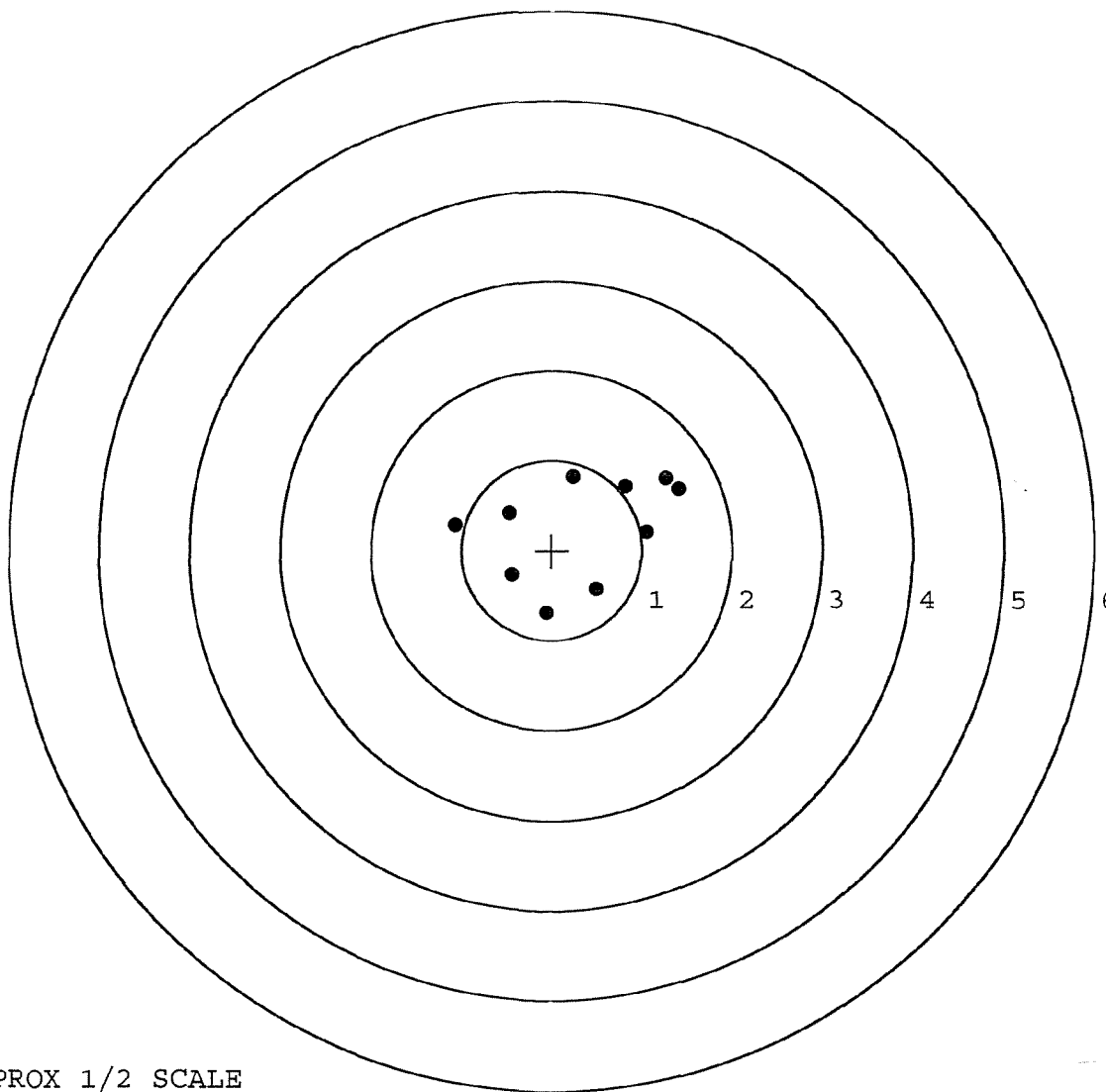
MAX RADIUS: 1.394

MEAN RADIUS: 0.909

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

5278

R & E NUMBER

128645

SERIAL NUMBER

C6348922

LOG-IN DATE

4-27-07

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	non
605	CHECK HEADSPACE		8/1/07	non
610	DIS-ASSEMBLE GUN		8-2-07	RTZ
612	MAGNAFLUX			
510	DRILL AND TAP	N/A	8-2-07	TRW
615	ROLLMARK CALIBER		8-2-07	GW
618	ROTO-BLAST		8-3-07	LY
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	Fuy
	A) HEADSPACE	(PASS) FAIL	8/17/07	non
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.50 2.40 2.30 2.40 2.50 8/17/07	non
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.50 5.75 5.0 8/17/07	non
	G) SAFETY OFF FORCE	2 LBS MIN	3.5 3.0 2.75 8/17/07	non
	I) FIRING PIN INDENT	.020	.025 .025 .025 8/17/07	non
690	PACK		8-23-07	DA

Serial Number:

C6348927

Model: M24 SWS



RE00089028

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348927.__0

FILE DATE AND TIME: 01/10/2005 11:09

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.011
The Average Y Centroid of the Five Target Set:	-0.075
The Average Point of Impact of the Five Target Set:	0.076
The Average Mean Radius of the Five Target Set:	0.781
The Distance from POA to Centroid Target #1:	0.091
The Distance from Centroid Target #2 to Centroid Target #1:	0.145
The Distance from Centroid Target #3 to Centroid Target #1:	0.134
The Distance from Centroid Target #4 to Centroid Target #1:	0.267
The Distance from Centroid Target #5 to Centroid Target #1:	0.205

SERIAL NUMBER: C6348927. __0

TARGET NUMBER: 1

FILE DATE: 01/10/2005

FILE TIME: 11:09

X CENTROID: -0.068

Y CENTROID: -0.061

POA TO CENTROID: 0.091

HORZ SPREAD: 2.149

VERT SPREAD: 3.067

GROUP SPREAD: 3.069

MIN RADIUS: 0.447

MAX RADIUS: 1.636

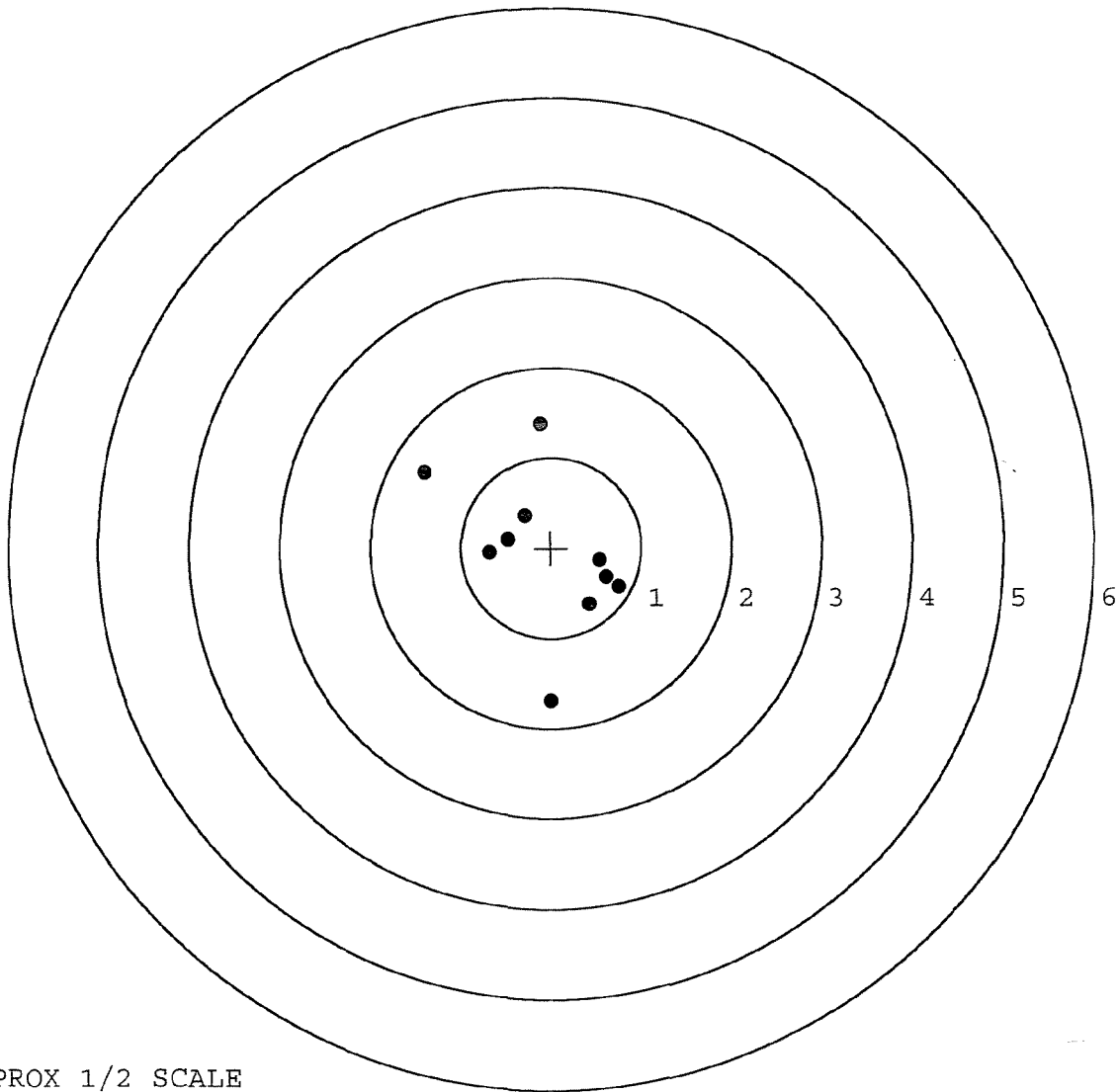
MEAN RADIUS: 0.919

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.008	-1.696
2:	-0.120	1.371
3:	-1.400	0.831
4:	-0.297	0.357
5:	-0.485	0.099
6:	-0.685	-0.057
7:	0.425	-0.625
8:	0.749	-0.430
9:	0.611	-0.326
10:	0.535	-0.134



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348927. 0

TARGET NUMBER: 2

FILE DATE: 01/10/2005

FILE TIME: 11:09

X CENTROID: -0.144

Y CENTROID: 0.062

POA TO CENTROID: 0.157

HORZ SPREAD: 2.289

VERT SPREAD: 1.710

GROUP SPREAD: 2.629

MIN RADIUS: 0.059

MAX RADIUS: 1.343

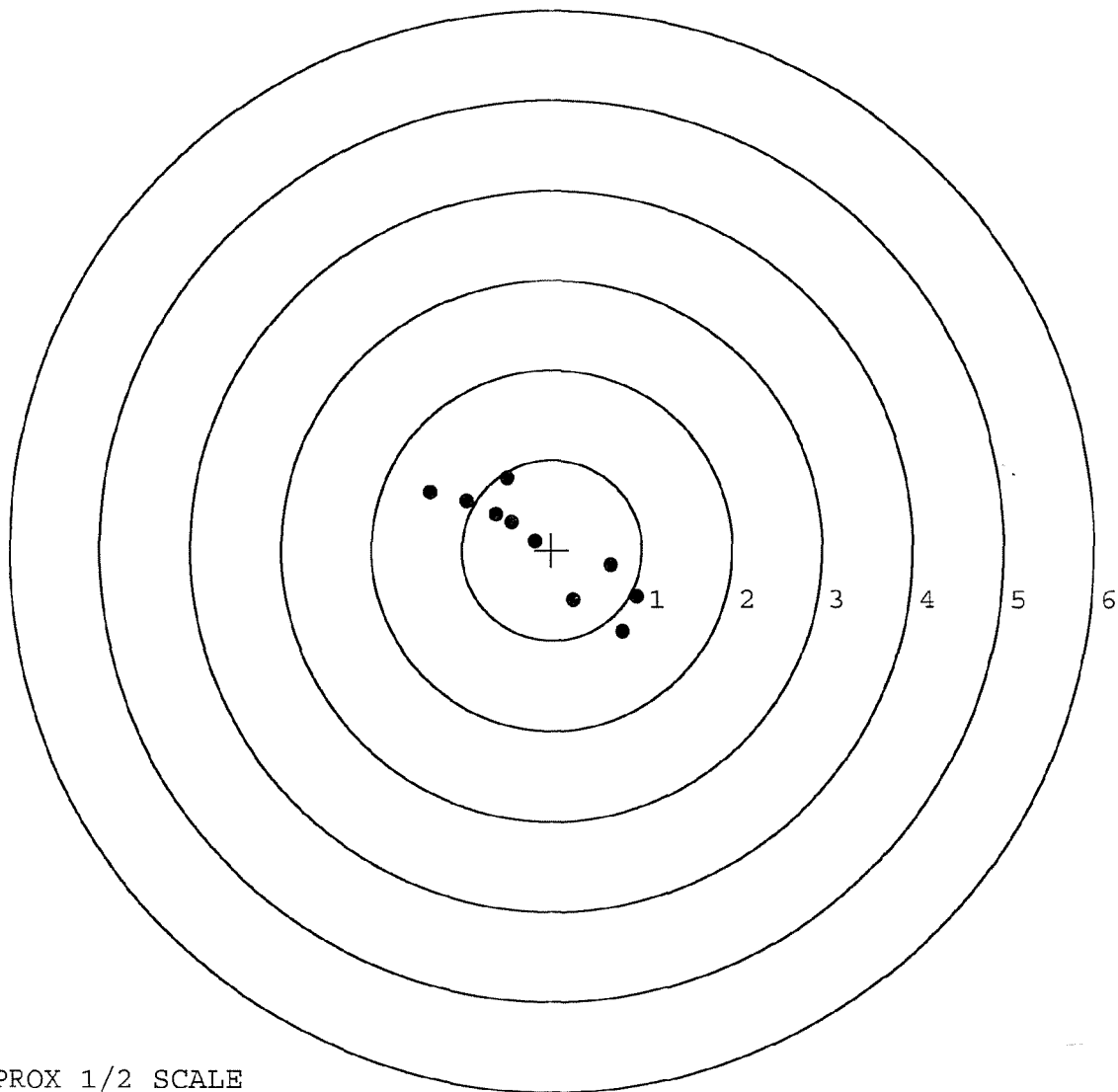
MEAN RADIUS: 0.827

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.782	-0.910
2:	0.942	-0.521
3:	0.655	-0.172
4:	0.239	-0.558
5:	-0.190	0.099
6:	-0.451	0.312
7:	-0.621	0.400
8:	-0.953	0.543
9:	-1.347	0.632
10:	-0.495	0.800



TARGET APPROX 1/2 SCALE

BARBER - M24 0041796

SERIAL NUMBER: C6348927. __0

TARGET NUMBER: 3

FILE DATE: 01/10/2005

FILE TIME: 11:09

X CENTROID: 0.047

Y CENTROID: 0.009

POA TO CENTROID: 0.048

HORZ SPREAD: 1.630

VERT SPREAD: 2.359

GROUP SPREAD: 2.531

MIN RADIUS: 0.127

MAX RADIUS: 1.395

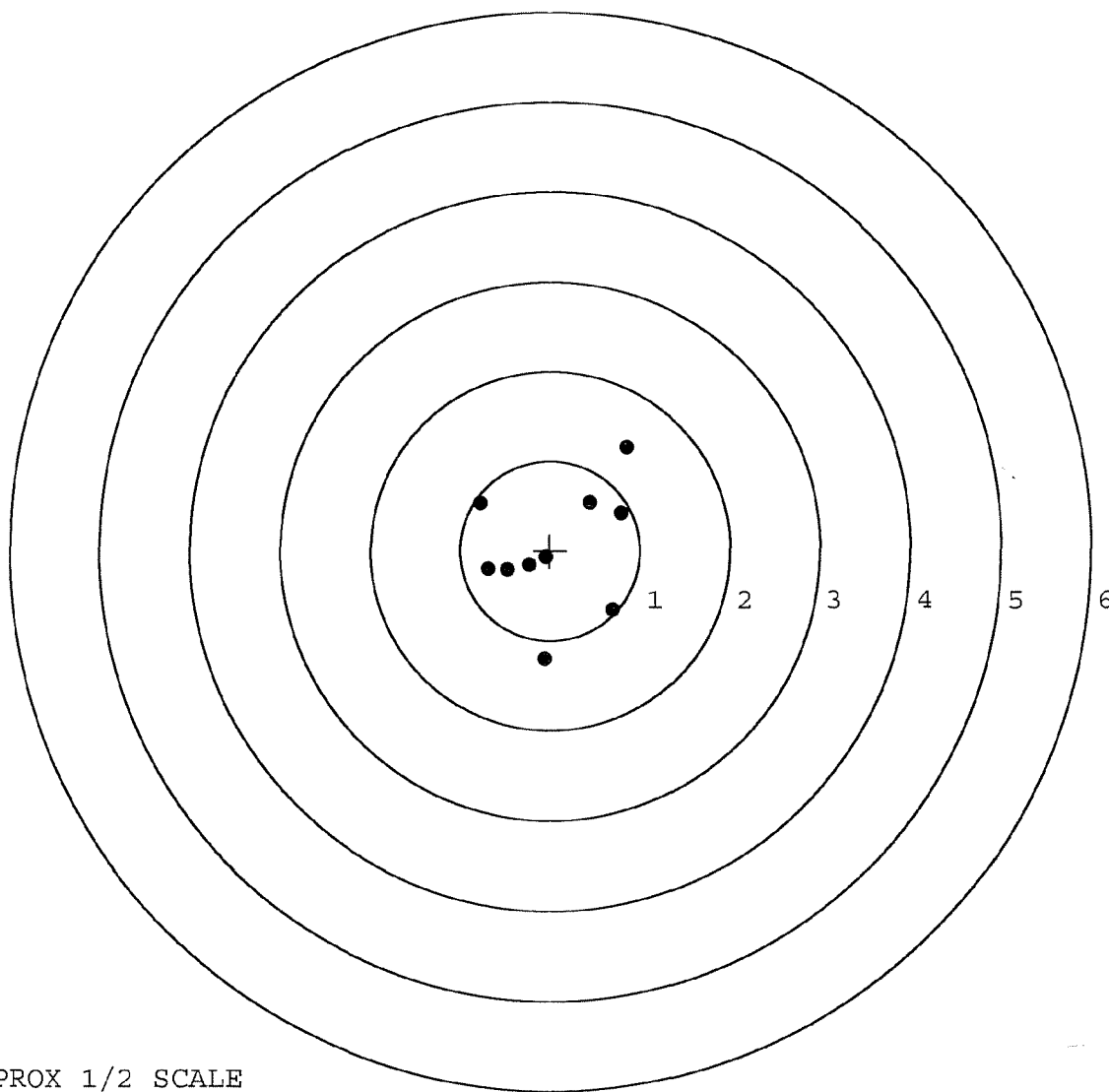
MEAN RADIUS: 0.783

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.065	-1.210
2:	0.694	-0.664
3:	0.787	0.414
4:	0.435	0.535
5:	0.851	1.149
6:	-0.779	0.532
7:	-0.048	-0.075
8:	-0.239	-0.161
9:	-0.476	-0.214
10:	-0.693	-0.211



TARGET APPROX 1/2 SCALE

BARBER - M24 0041797

SERIAL NUMBER: C6348927. __0

TARGET NUMBER: 4

FILE DATE: 01/10/2005

FILE TIME: 11:09

POINT#	X	Y
1:	0.004	-0.003
2:	-0.334	-1.693
3:	1.028	-0.772
4:	0.688	-0.557
5:	0.616	-0.403
6:	-0.395	1.032
7:	-0.488	-0.145
8:	-0.268	0.109
9:	-0.025	-0.388
10:	0.068	0.048

X CENTROID: 0.089

Y CENTROID: -0.277

POA TO CENTROID: 0.291

HORZ SPREAD: 1.516

VERT SPREAD: 2.725

GROUP SPREAD: 2.726

MIN RADIUS: 0.159

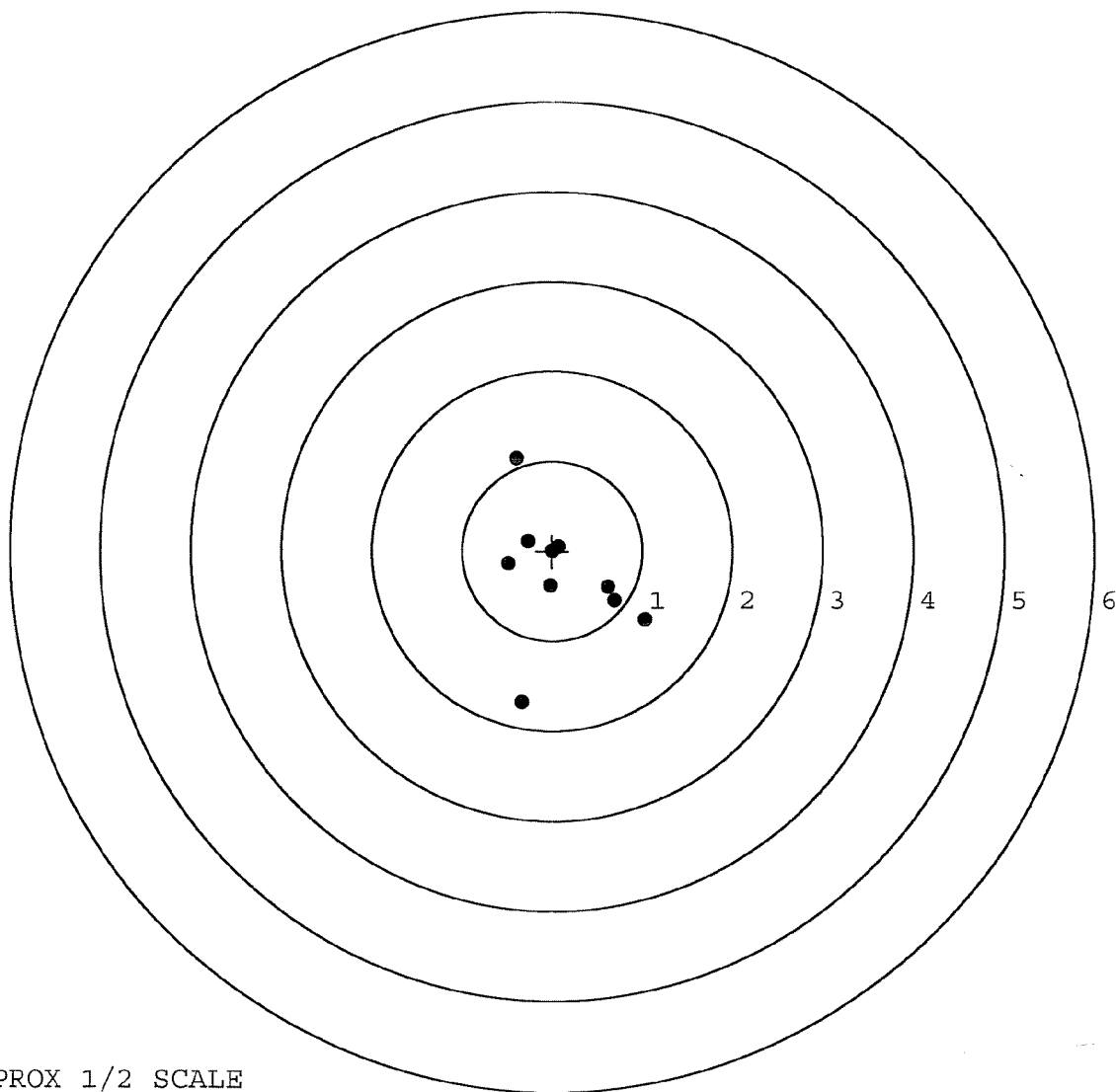
MAX RADIUS: 1.478

MEAN RADIUS: 0.703

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0041798

SERIAL NUMBER: C6348927. __0

TARGET NUMBER: 5

FILE DATE: 01/10/2005

FILE TIME: 11:09

X CENTROID: 0.131

Y CENTROID: -0.109

POA TO CENTROID: 0.171

HORZ SPREAD: 2.104

VERT SPREAD: 1.638

GROUP SPREAD: 2.457

MIN RADIUS: 0.165

MAX RADIUS: 1.687

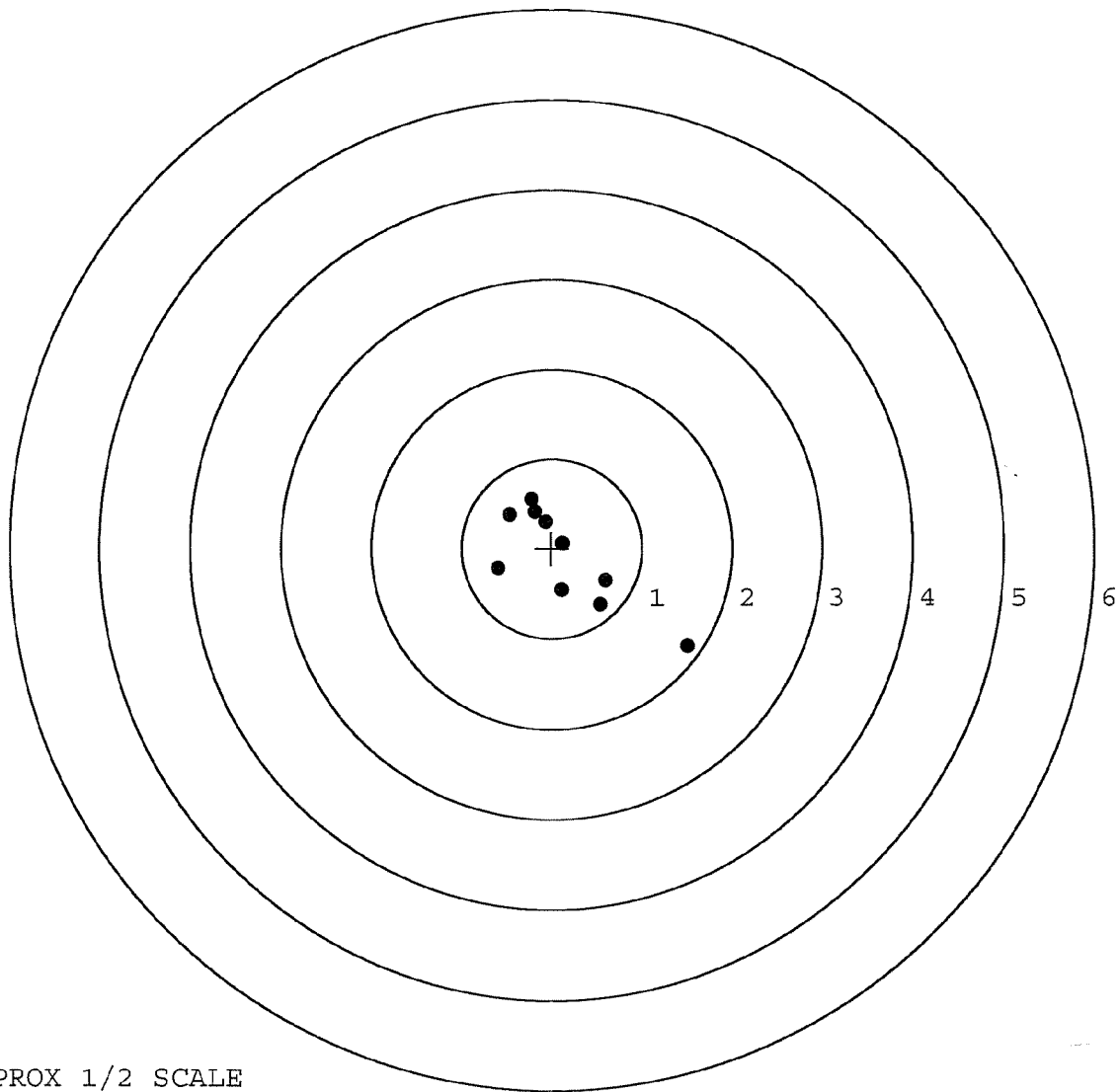
MEAN RADIUS: 0.674

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.505	-1.088
2:	0.600	-0.362
3:	0.537	-0.633
4:	0.111	-0.470
5:	-0.599	-0.230
6:	0.115	0.055
7:	-0.069	0.296
8:	-0.468	0.377
9:	-0.229	0.550
10:	-0.189	0.412



TARGET APPROX 1/2 SCALE

R & E NUMBER	89028		
SERIAL NUMBER	C6348927		
LOG-IN DATE	12-6-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-7-04	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	1-06-05	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	RTA
		SHIP DATE	
QAR INSPECTION DATE			

RECEIVED BARBER M24 MOUNTED REPORT

COMMENTS

ORDER

R 94-18089

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

W/10X SCOPE M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN *scope S/N 90 0638*

DATE RECEIVED 06/09/94 DATE OPENED 06/09/94 DATE CODE

SERIAL NUMBER C6348927

NEW SERIAL NUMBER MODEL AND GRADE 700 7-62 NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON

ATTN DDAA-UR BLDG 112

ATTN DDAA-UR BLDG 112

ANNISTON

AL 36201-5025

ANNISTON

AL

36201-5025

CUST NO: 098397 C.D.D.

ACCOUNT NUMBER ACCOUNT NUMBER N/C

PROM. DATE

ESTIMATED

VIA

WRITE

7-23-96 FRT

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
Front & Rear Sight ASSY*

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

7/23/96

7/23/96

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 064180041839

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348927DATE 7-22-96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.49	2.58		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.17	2.49	2.87		
PULL #3	2.28	2.46	2.79		
PULL #4	2.11	2.56	2.88		
PULL #5	2.25	2.64	2.77		
TOTAL	11.08	12.64	13.89		
AVG.	2.21	2.52	2.77		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.24		
PULL #2	3.17	3.09		
PULL #3	3.33	3.14		
PULL #4	3.32	3.24		
PULL #5	3.11	3.23		
TOTAL	16.16	15.94		
AVG.	3.23	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.25		4.09
PULL #2	4.05	4.27		4.27
PULL #3	4.21	4.15		4.20
PULL #4	4.19	4.26		4.14
PULL #5	4.16	4.22		4.33
TOTAL	20.76	21.15		21.03
AVG.	4.15	4.23		4.20

op. #	UP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	5.5			8/2	SF
	G) Safety Off Force	4	4.5	4.5			8/2	SF
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.0235	.023	.023			8/2	SF
	J) Assemble Stock							
	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							
	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	2.76	2.79	2.80	2.74	2.72	8/1	SF
	C) Function							
660	Pack							

CONTRACT # DAAA21-87-C-0086

GUN SERIAL

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			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348927
11 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	.207393
1 TO	2	.107815
1 TO	3	.122319
1 TO	4	.175414
1 TO	5	.365378

4s <----POA

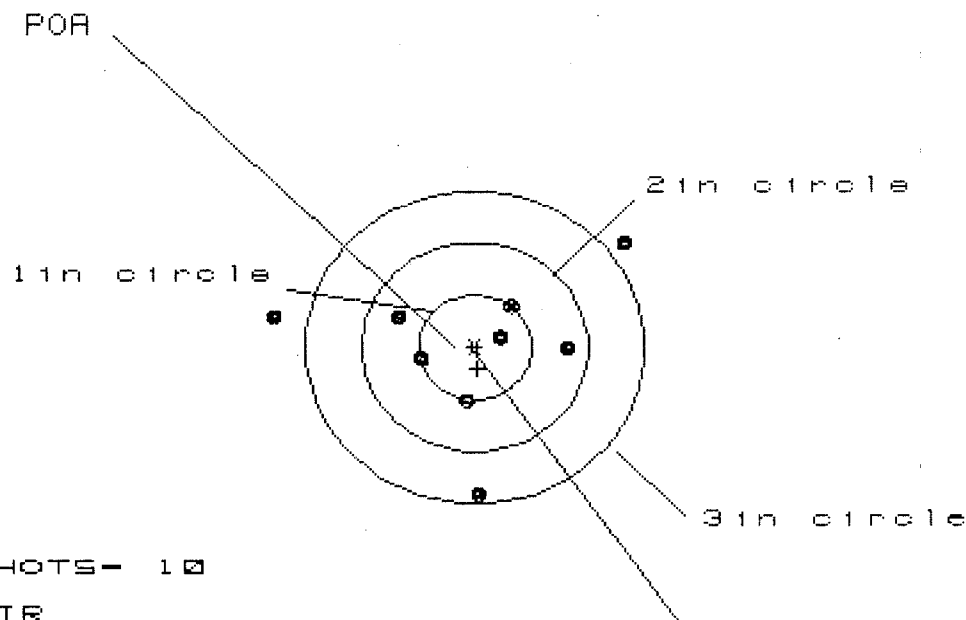
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0356
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .139
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .143486

THE HMR FOR THIS RIFLE IS: .969

11 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6346327

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 2

2in - 7

3in = 8

HS= 3.075

VS= 2.445

GS= 3.165

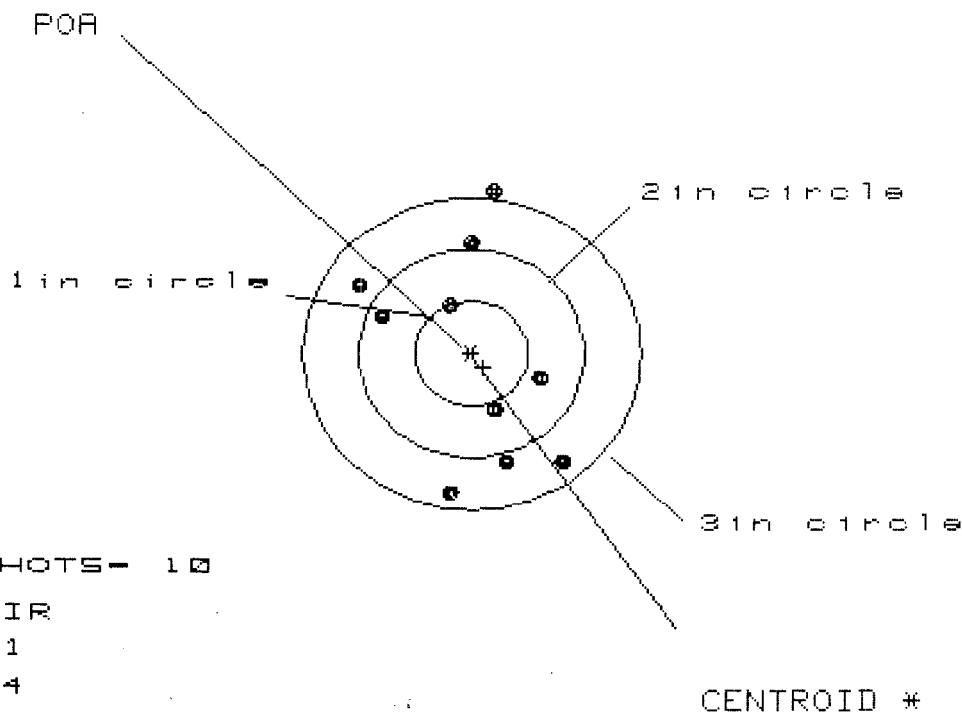
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.333	1.139	.725
MINIMUM X	-1.742	-.902	-.760
MAXIMUM Y	1.004	1.032	.552
MINIMUM Y	-1.441	-1.413	-1.284
CENTROID X	-.024	.170	.028
CENTROID Y	.206	.178	.049
POA TO CENTROID in.	.208	.246	.056
MIN RADIUS	.234	.104	.286
MEAN RADIUS	.852	.718	.638
MAX RADIUS	1.761	1.537	1.284
HORIZONTAL SPREAD	3.075	2.041	1.485
VERTICAL SPREAD	2.445	2.445	1.836
EXTREME SPREAD	3.165	2.771	1.868
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

11 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6348927

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 1.872

VS = 2.839

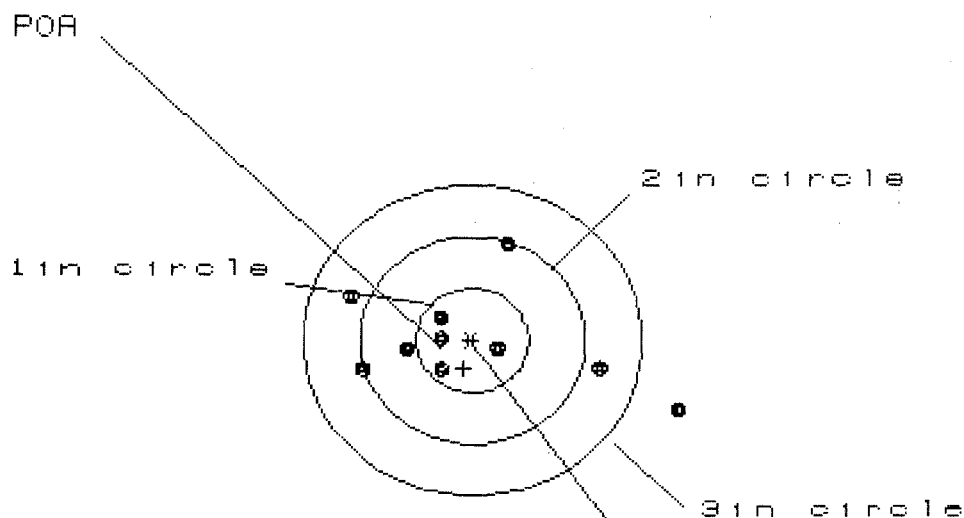
GS = 2.869

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.855	.875	.848
MINIMUM X	-1.017	-.997	-1.024
MAXIMUM Y	1.515	1.279	1.135
MINIMUM Y	-1.324	-1.155	-.983
CENTROID X	-.106	-.126	-.099
CENTROID Y	.136	-.032	.113
POA TO CENTROID in.	.173	.130	.150
MIN RADIUS	.480	.398	.505
MEAN RADIUS	1.009	.939	.903
MAX RADIUS	1.526	1.279	1.286
HORIZONTAL SPREAD	1.872	1.872	1.872
VERTICAL SPREAD	2.839	2.434	2.117
EXTREME SPREAD	2.869	2.466	2.466
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

11 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6348327

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 9

HS= 2.827

VS= 1.606

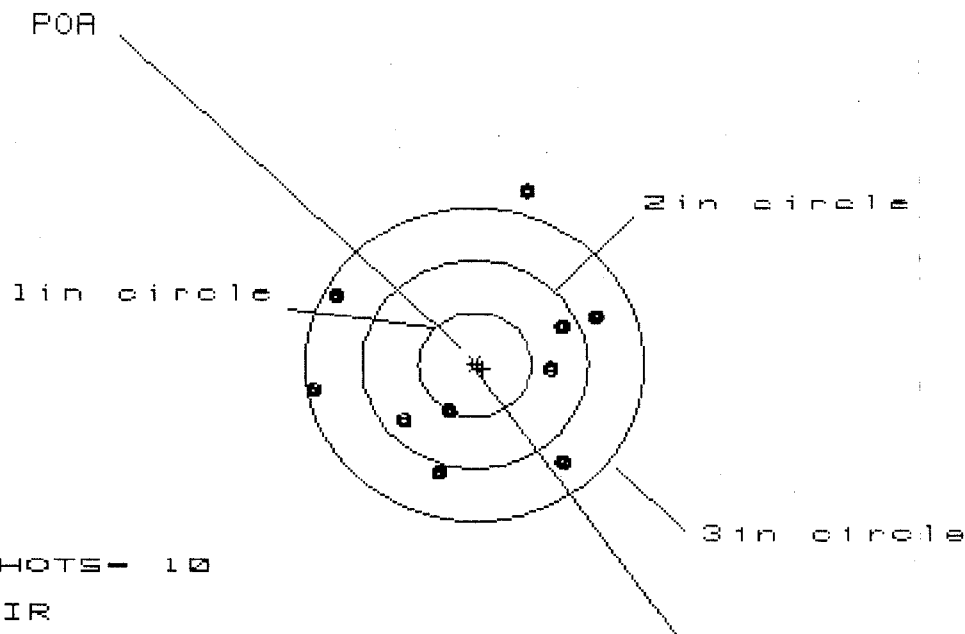
GS= 3.040

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.781	1.355	.705
MINIMUM X	:	-1.046	-.848	-.679
MAXIMUM Y	:	.916	.839	.799
MINIMUM Y	:	-.690	-.373	-.413
CENTROID X	:	.077	-.121	-.290
CENTROID Y	:	.275	.352	.392
POA TO CENTROID in.	:	.286	.372	.487
MIN RADIUS	:	.244	.118	.077
MEAN RADIUS	:	.810	.626	.499
MAX RADIUS	:	1.910	1.392	1.066
HORIZONTAL SPREAD	:	2.827	2.203	1.384
VERTICAL SPREAD	:	1.606	1.212	1.212
EXTREME SPREAD	:	3.040	2.302	1.805
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

01 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6348927

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 9

HS= 2.430

VS= 2.693

GS= 2.798

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.023	1.072	.902
MINIMUM X	-1.407	-1.358	-1.301
MAXIMUM Y	1.659	.876	.869
MINIMUM Y	-1.034	-.849	-.856
CENTROID X	-.071	-.120	.050
CENTROID Y	.037	-.148	-.141
POA TO CENTROID in.	.080	.190	.149
MIN RADIUS	.517	.329	.439
MEAN RADIUS	1.074	.969	.908
MAX RADIUS	1.717	1.430	1.564
HORIZONTAL SPREAD	2.430	2.430	2.203
VERTICAL SPREAD	2.693	1.725	1.725
EXTREME SPREAD	2.798	2.552	2.552
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

11 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6348327

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.366

VS= 2.492

GS= 3.718

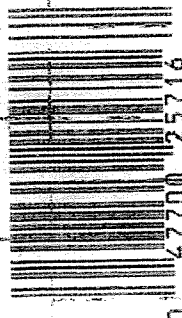
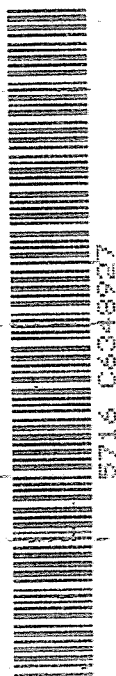
PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.459	1.247	.884
MINIMUM X	-1.907	-1.359	-1.203
MAXIMUM Y	1.267	1.231	1.383
MINIMUM Y	-1.225	-1.261	-1.109
CENTROID X	.302	.514	.358
CENTROID Y	.041	.077	-.075
POA TO CENTROID in.	.304	.519	.365
MIN RADIUS	.423	.268	.326
MEAN RADIUS	1.100	.985	.867
MAX RADIUS	1.934	1.744	1.642
HORIZONTAL SPREAD	3.366	2.606	2.087
VERTICAL SPREAD	2.492	2.492	2.432
EXTREME SPREAD	3.718	2.978	2.544
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	7	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348927

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 21	89	RW
600	Proof	7 21	89	RW
607	Check Headspace	7 21	89	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action	REJECTED	8/15/89	KCK
	Magnaflux Bolt		8/15/89	KCK
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	8 16	89	
618	Polish Barrel	8 16	89	
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	DESCRIPTION	READINGS				DATE	INIT
625 cont.	F) Safety On Force						
	G) Safety Off Force						
	H) Trigger Pull Test & Retainability						
	I) Firing Pin Indent						
	J) Assemble Stock						
	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						
	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						
	C) Function						
660	Pack						

Remington  REG. U.S. PAT. & TM. OFF.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.	
MODEL 700™ M24		SERIAL NO. 06348927	UPC  0 47700 25716 7
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.		ORDER NO. 5716	
 5716 06348927			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348927

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 24	89	RW
600	Proof	8 24	89	RW
607	Check Headspace	8 24	89	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		8/25/89	KCR
	Magnaflux Bolt		8/25/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	8 28	89	YE
618	Polish Barrel RB	8 28	89	BT
620	Apply Coatings (Barrel Action)		9-7-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/8/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/8/89	RW
	C) Inspect Ejector Hole for Chamfer		9/8/89	RW
	D) Oil Firing Pin Ass'y		9/8/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-8-89	94

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5 3/4	6	5 3/4	9/8/89	WB
	G) Safety Off Force	3	3	3	9/8/89	WB
	H) Trigger Pull Test & Retainability				9-8-89	94
	I) Firing Pin Indent	.021	.0217	.022	9/8/89	WB
	J) Assemble Stock				9/8/89	RW
	K) Assemble Swivel Studs				12/8/89	928
	L) Attach Front and Rear Sight Assemblies				9/8/89	RW
	M) Iron Sight Alignment				9/8/89	RW
	N) Detach Front & Rear Sights & place in numbered container				9/8/89	RW
	O) Attach Scope to Rifle				9/11/89	WB
	P) Detach & Attach Scope 20 Times				9/11/89	WB
640	Gallery Target & Test	95R	56L		9-11-89	DH
	A) Time				9-11-89	DH
	B) Malfunctions				9-11-89	DH
	C) Pierced Primers				9-11-89	DH
	D) Optical Clarity of Scope				9-11-89	DH
645	Inspect for Live Ammo				9-11-89	DH
655	Final Inspection					
	A) Headspace				12/8/89	928
	B) Trigger Pull	2.33	2.30	2.32	12/8/89	928
	C) Function				12/8/89	928
660	Pack				1/8/90	928

BARBER - M24 0041815

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06348927DATE 3-14-98TESTER JEP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.36	2.26	2.44	MIN. SETTING,
PULL #2	2.54	2.32	2.14	NO AVG. OF 5
PULL #3	2.59	2.15	2.45	READINGS ACCEPT-
PULL #4	2.50	2.59	2.45	ABLE LESS THAN 2#
PULL #5	2.34	2.54	2.29	
TOTAL	12.33	11.86	11.27	
AVG.	2.466	2.372	2.254	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.56	3.30	
PULL #2	3.54	3.49	
PULL #3	3.48	3.31	
PULL #4	3.13	3.57	
PULL #5	3.40	3.41	
TOTAL	17.11	17.08	
AVG.	3.422	3.416	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.44	4.30		
PULL #2	4.46	4.46		
PULL #3	4.40	4.57		
PULL #4	4.32	4.45		
PULL #5	4.53	4.35		
TOTAL	22.15	22.13		
AVG.	4.43	4.426		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348927
12 Sep 1989

CENTROIDAL DISTANCES

0 TO	1	.676885
1 TO	2	.721391
1 TO	3	.635444
1 TO	4	.45062
1 TO	5	.542086

$\frac{1}{5} \sigma^2$ <----POA

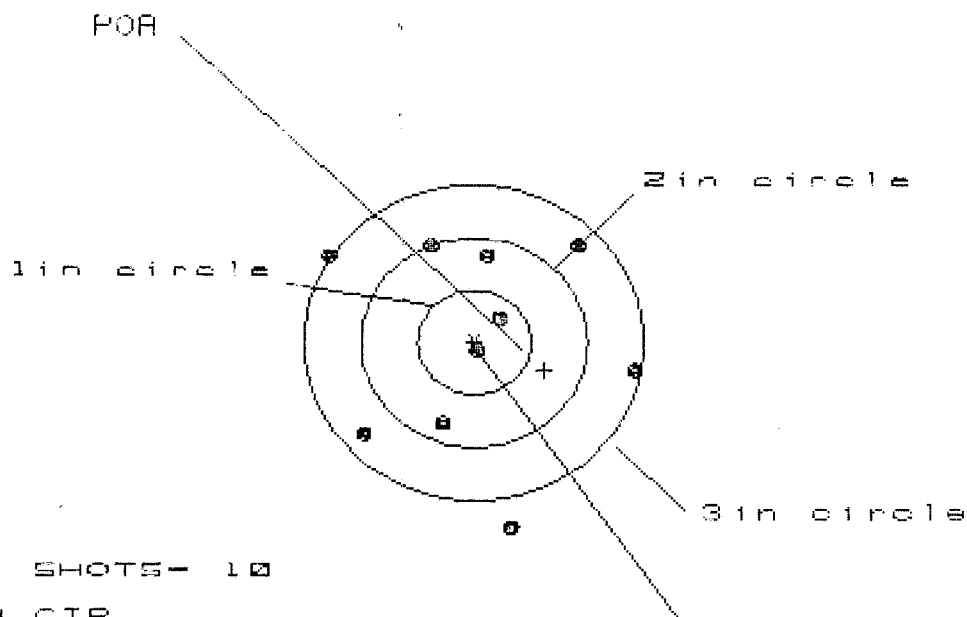
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.266
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0028
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .266015
THE AMR FOR THIS RIFLE IS: .9722

11 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CS348327

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.696

VS= 2.678

GS= 3.010

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.431	1.464	1.309
MINIMUM X	-1.265	-1.232	-1.143
MAXIMUM Y	.929	.734	.813
MINIMUM Y	-1.749	-1.018	-.939
CENTROID X	-.622	-.655	-.500
CENTROID Y	.267	.462	.383
POA TO CENTROID in.	.677	.801	.630
MIN RADIUS	.100	.230	.142
MEAN RADIUS	1.033	.936	.863
MAX RADIUS	1.774	1.548	1.480
HORIZONTAL SPREAD	2.696	2.696	2.453
VERTICAL SPREAD	2.678	1.752	1.752
EXTREME SPREAD	3.010	2.925	2.590
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

11 Sep 1989

FILE: /PATTERNING/CENTERFIRE_PATT/0834B927

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS = 1.873

VS = 2.840

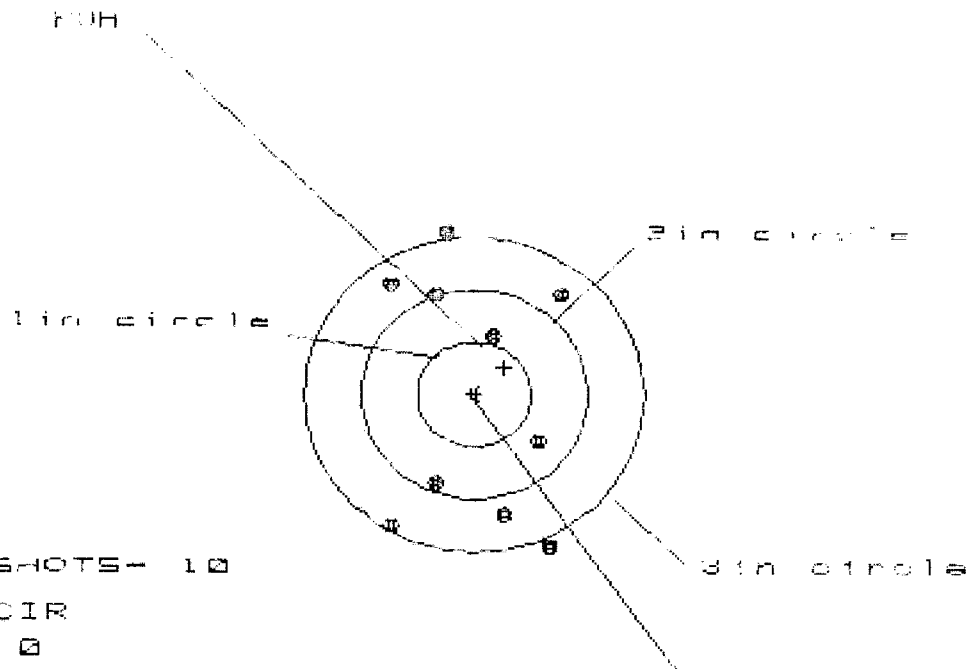
GS = 2.842

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.104	1.020	.928
MINIMUM X	:	-.769	-.853	-.945
MAXIMUM Y	:	1.437	.785	.629
MINIMUM Y	:	-1.403	-1.243	-1.032
CENTROID X	:	.089	.173	.265
CENTROID Y	:	.145	-.015	.141
POA TO CENTROID in.	:	.170	.174	.300
MIN RADIUS	:	.098	.091	.127
MEAN RADIUS	:	.066	.778	.663
MAX RADIUS	:	1.626	1.445	1.081
HORIZONTAL SPREAD	:	1.873	1.873	1.873
VERTICAL SPREAD	:	2.840	2.028	1.661
EXTREME SPREAD	:	2.842	2.626	2.053
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

11 Sep 1989

FILE: /PATTERNING/CENTERFIRE_PHT/06040927

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS= 1.581

VS= 3.013

GS= 3.139

CENTROID #

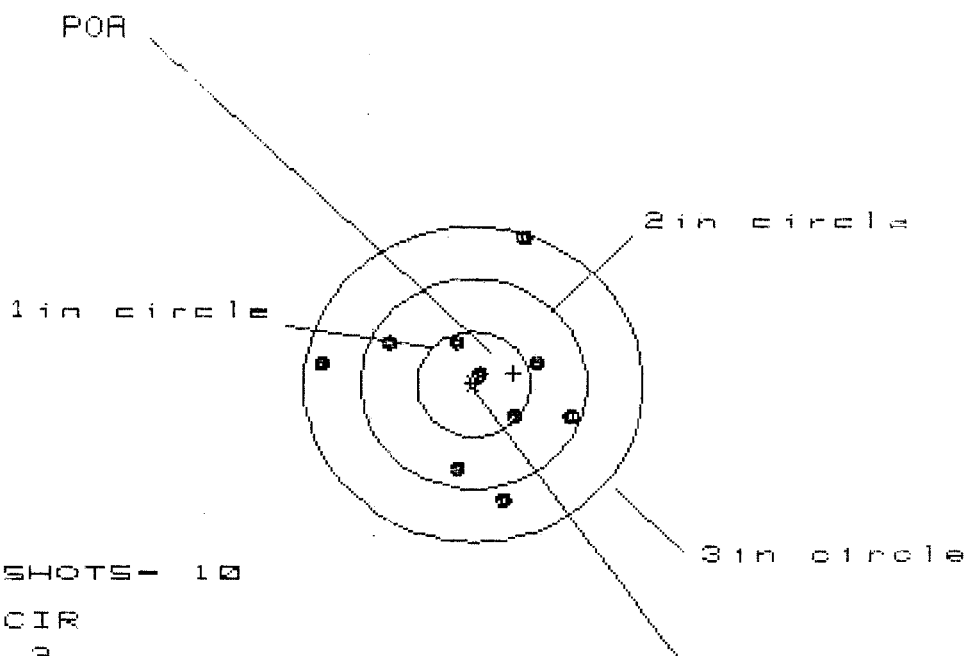
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.799	.870	.849
MINIMUM X	:	-.782	-.711	-.732
MAXIMUM Y	:	1.535	1.371	1.104
MINIMUM Y	:	-1.478	-1.397	-1.225
CENTROID X	:	-.264	-.335	-.314
CENTROID Y	:	-.258	-.094	-.266
POA TO CENTROID in.	:	.369	.348	.411
MIN RADIUS	:	.613	.482	.634
MEAN RADIUS	:	1.159	1.094	1.055
MAX RADIUS	:	1.610	1.529	1.383
HORIZONTAL SPREAD	:	1.581	1.581	1.581
VERTICAL SPREAD	:	3.013	2.768	2.329
EXTREME SPREAD	:	3.139	2.805	2.684
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

11 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348327

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

CENTROID #

HS= 2.230

VS= 2.470

GS= 2.470

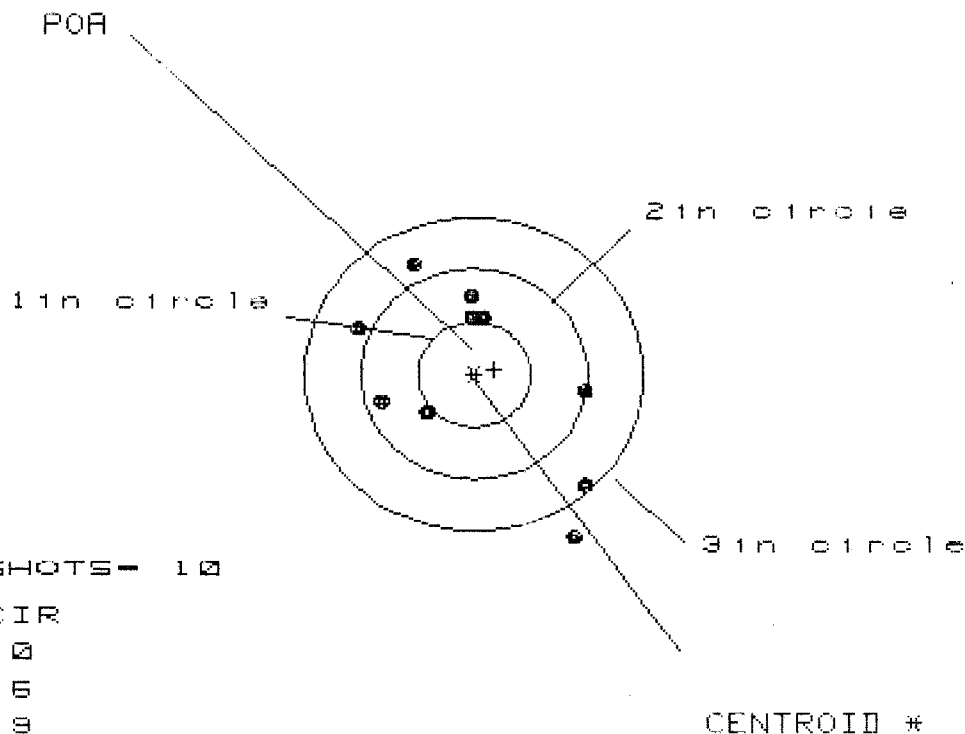
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.884	.931	.768
MINIMUM X	:	-1.346	-1.299	-.899
MAXIMUM Y	:	1.376	.557	.596
MINIMUM Y	:	-1.094	-.941	-.901
CENTROID X	:	-.355	-.402	-.239
CENTROID Y	:	-.096	-.249	-.288
POA TO CENTROID in.	:	.368	.473	.375
MIN RADIUS	:	.124	.268	.250
MEAN RADIUS	:	.819	.756	.653
MAX RADIUS	:	1.439	1.338	1.079
HORIZONTAL SPREAD	:	2.230	2.230	1.667
VERTICAL SPREAD	:	2.470	1.498	1.498
EXTREME SPREAD	:	2.478	2.286	1.823
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

11 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B927

CENTERFIRE PATTERNS

5



OF SHOTS - 10

IN CIR

1in - 0

2in - 6

3in - 4

HS - 2.048

VS - 2.686

GS - 3.061

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.010	1.110	1.220
MINIMUM X	:	-1.038	-.938	-.799
MAXIMUM Y	:	1.087	.910	.754
MINIMUM Y	:	-1.599	-1.249	-.647
CENTROID X	:	-.178	-.278	-.417
CENTROID Y	:	-.044	.133	.289
POA TO CENTROID in.	:	.183	.308	.507
MIN RADIUS	:	.501	.323	.245
MEAN RADIUS	:	.984	.835	.686
MAX RADIUS	:	1.835	1.671	1.309
HORIZONTAL SPREAD	:	2.048	2.048	2.019
VERTICAL SPREAD	:	2.686	2.159	1.401
EXTREME SPREAD	:	3.061	2.673	2.109
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	