

C6594643

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00123913

Serial: C65944643 Model M24 SWS Center Fire

Repairman:

Verify Repair

Status:

New 1/18/2007 12:45:42 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: DEPT OF ARMY

DEPT OF ARMY

Address 1: HHC 1-87

HHC 1-87

Address 2: 10TH MTN DIV

PO Box:

10TH MTN DIV

PO Box:

City: FORT DRUM

FORT DRUM

State: NY

Zip Code: 13602

Country: US

State: NY

Zip Code: 13602

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	2
A045	Bi Pod	1
D000	SCOPE CASE	1

Repair Search

Refresh

Close

naglet

1/19/2007

9:45 AM

CAPS

NUM

INS

SCRL



Inbox - Microsoft Out...

Calendar - Microsoft ...

Arms Services Repair ...

9:45 AM

Serial Number:

C65944643

Model: M24 SWS



RE00123913

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594643.___0
FILE DATE AND TIME: 01/31/2007 23:17

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.020
The Average Y Centroid of the Five Target Set:	-0.006
The Average Point of Impact of the Five Target Set:	0.021
The Average Mean Radius of the Five Target Set:	0.957
The Distance from POA to Centroid Target #1:	0.127
The Distance from Centroid Target #2 to Centroid Target #1:	0.254
The Distance from Centroid Target #3 to Centroid Target #1:	0.061
The Distance from Centroid Target #4 to Centroid Target #1:	0.300
The Distance from Centroid Target #5 to Centroid Target #1:	0.124

BARBER - M24 0020926

SERIAL NUMBER: C6594643. 0

TARGET NUMBER: 1

FILE DATE: 01/31/2007

FILE TIME: 23:17

X CENTROID: -0.009

Y CENTROID: -0.127

POA TO CENTROID: 0.127

HORZ SPREAD: 1.268

VERT SPREAD: 2.385

GROUP SPREAD: 2.387

MIN RADIUS: 0.397

MAX RADIUS: 1.467

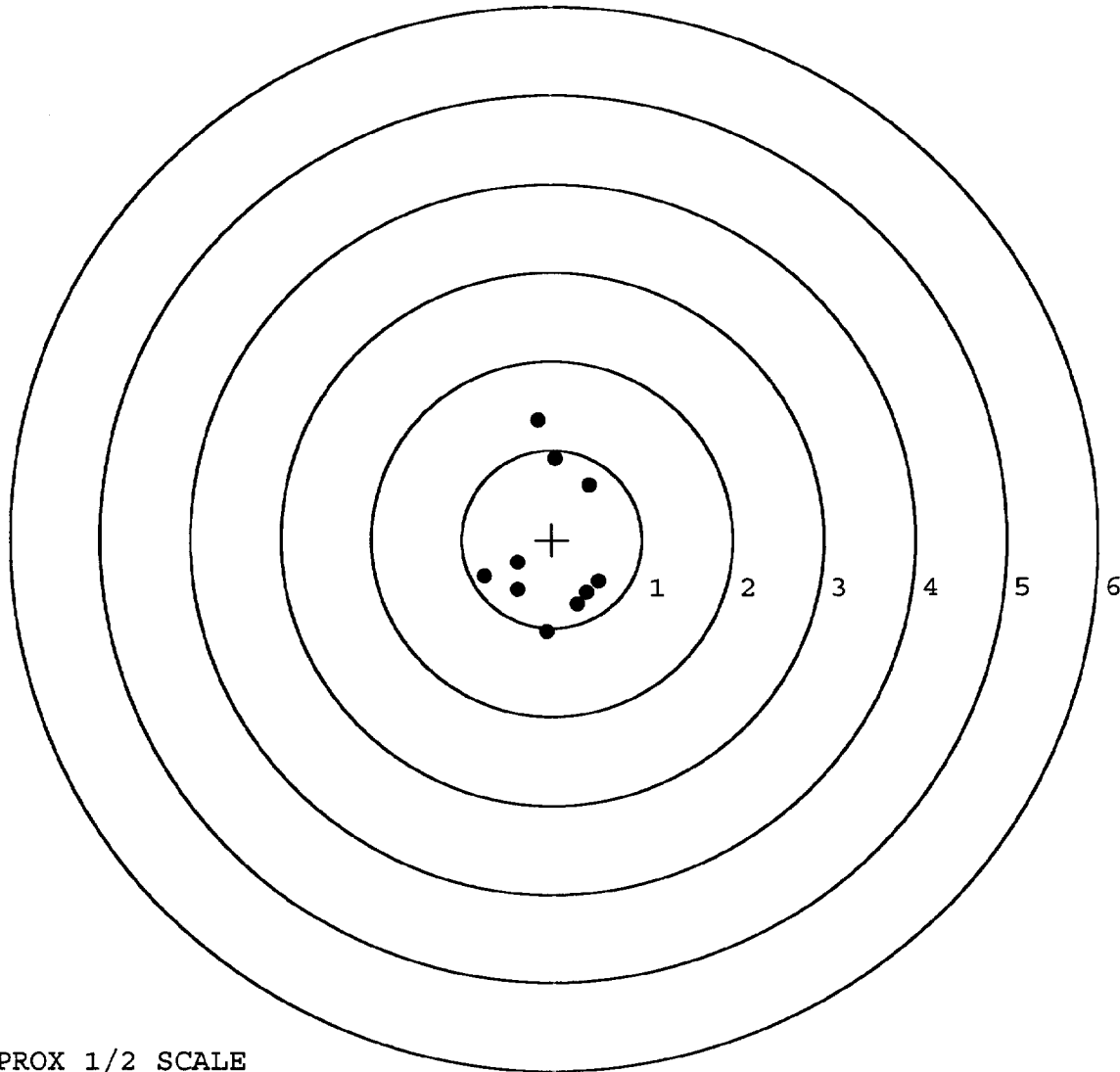
MEAN RADIUS: 0.797

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.153	1.333
2:	0.045	0.905
3:	0.414	0.610
4:	-0.383	-0.261
5:	-0.385	-0.573
6:	-0.749	-0.416
7:	-0.061	-1.052
8:	0.280	-0.734
9:	0.383	-0.601
10:	0.519	-0.479



TARGET APPROX 1/2 SCALE

BARBER - M24 0020927

SERIAL NUMBER: C6594643. __ 0

TARGET NUMBER: 2

FILE DATE: 01/31/2007

FILE TIME: 23:17

X CENTROID: -0.082

Y CENTROID: 0.116

POA TO CENTROID: 0.142

HORZ SPREAD: 1.270

VERT SPREAD: 3.169

GROUP SPREAD: 3.246

MIN RADIUS: 0.413

MAX RADIUS: 1.985

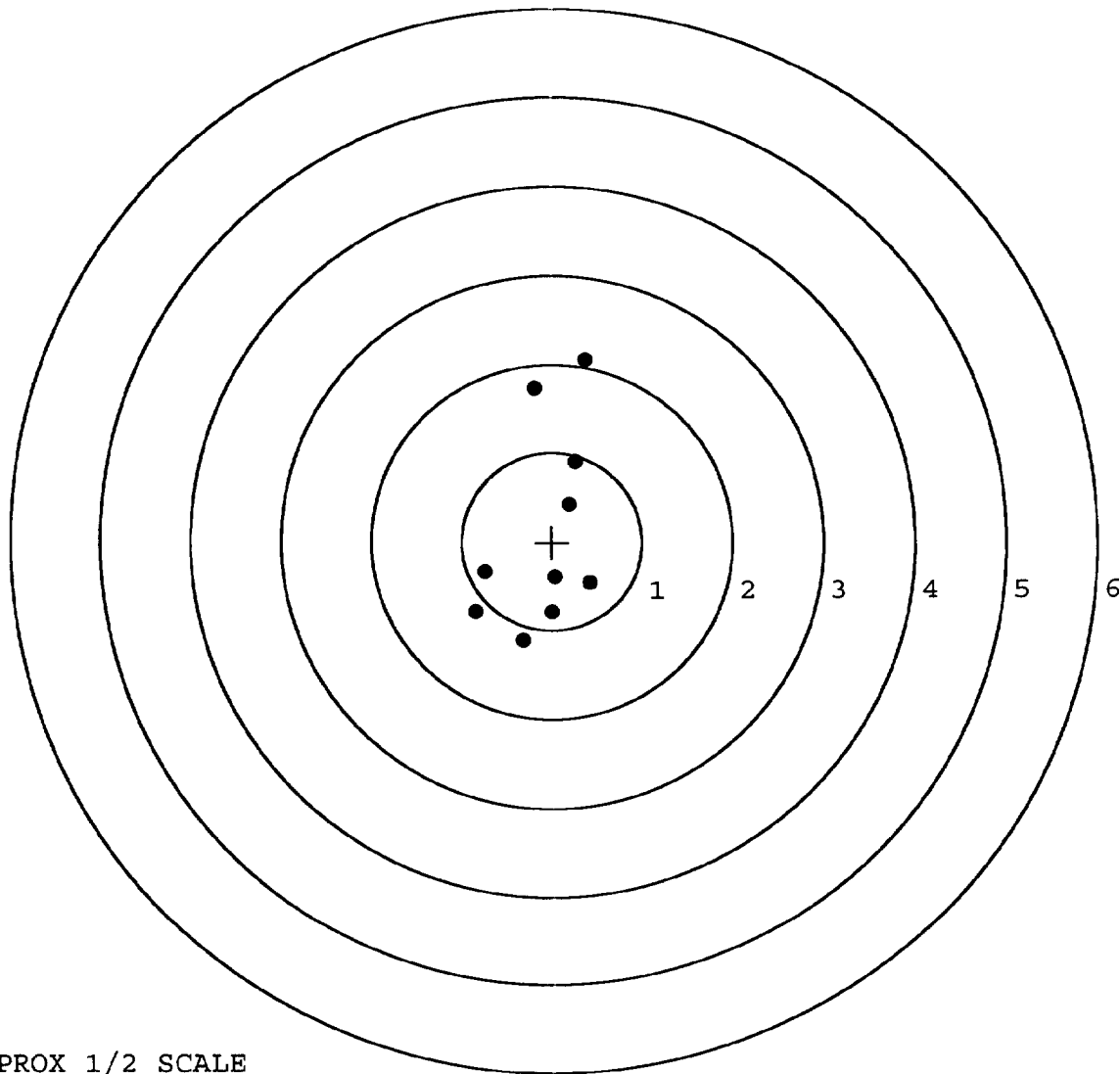
MEAN RADIUS: 1.036

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.193	1.731
2:	0.378	2.047
3:	0.261	0.900
4:	0.197	0.421
5:	0.034	-0.406
6:	0.420	-0.469
7:	0.002	-0.803
8:	-0.325	-1.122
9:	-0.850	-0.798
10:	-0.745	-0.340



TARGET APPROX 1/2 SCALE

BARBER - M24 0020928

SERIAL NUMBER: C6594643. 0

TARGET NUMBER: 3

FILE DATE: 01/31/2007

FILE TIME: 23:17

X CENTROID: -0.039

Y CENTROID: -0.073

POA TO CENTROID: 0.083

HORZ SPREAD: 1.709

VERT SPREAD: 2.278

GROUP SPREAD: 2.347

MIN RADIUS: 0.263

MAX RADIUS: 1.296

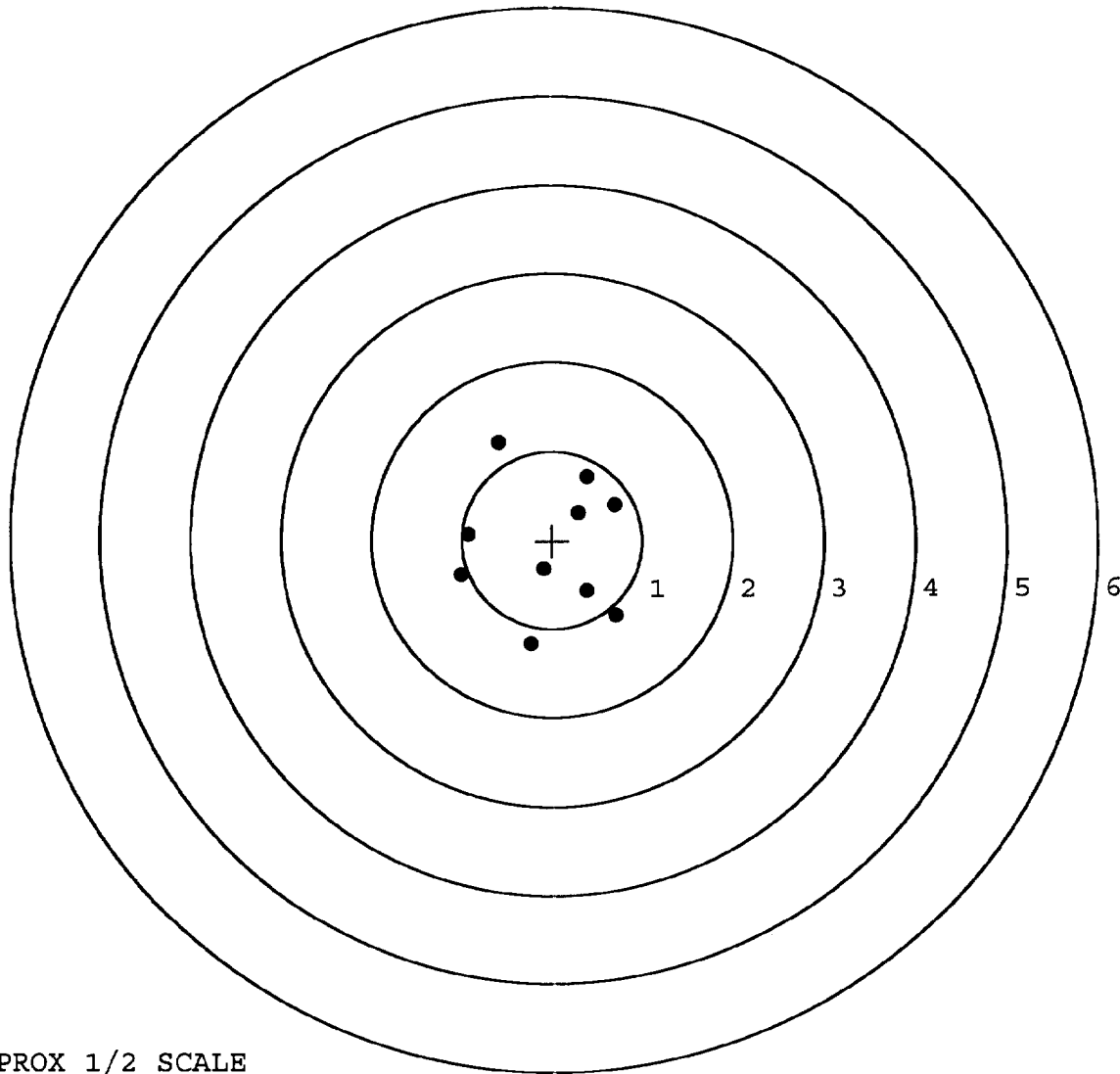
MEAN RADIUS: 0.863

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.591	1.099
2:	0.297	0.319
3:	0.391	0.714
4:	0.697	0.402
5:	-0.927	0.077
6:	-1.007	-0.396
7:	-0.094	-0.331
8:	0.385	-0.578
9:	0.702	-0.860
10:	-0.246	-1.179



TARGET APPROX 1/2 SCALE

BARBER - M24 0020929

SERIAL NUMBER: C6594643. __ 0

TARGET NUMBER: 4

FILE DATE: 01/31/2007

FILE TIME: 23:17

X CENTROID: 0.227

Y CENTROID: 0.058

POA TO CENTROID: 0.235

HORZ SPREAD: 2.298

VERT SPREAD: 1.413

GROUP SPREAD: 2.557

MIN RADIUS: 0.158

MAX RADIUS: 1.331

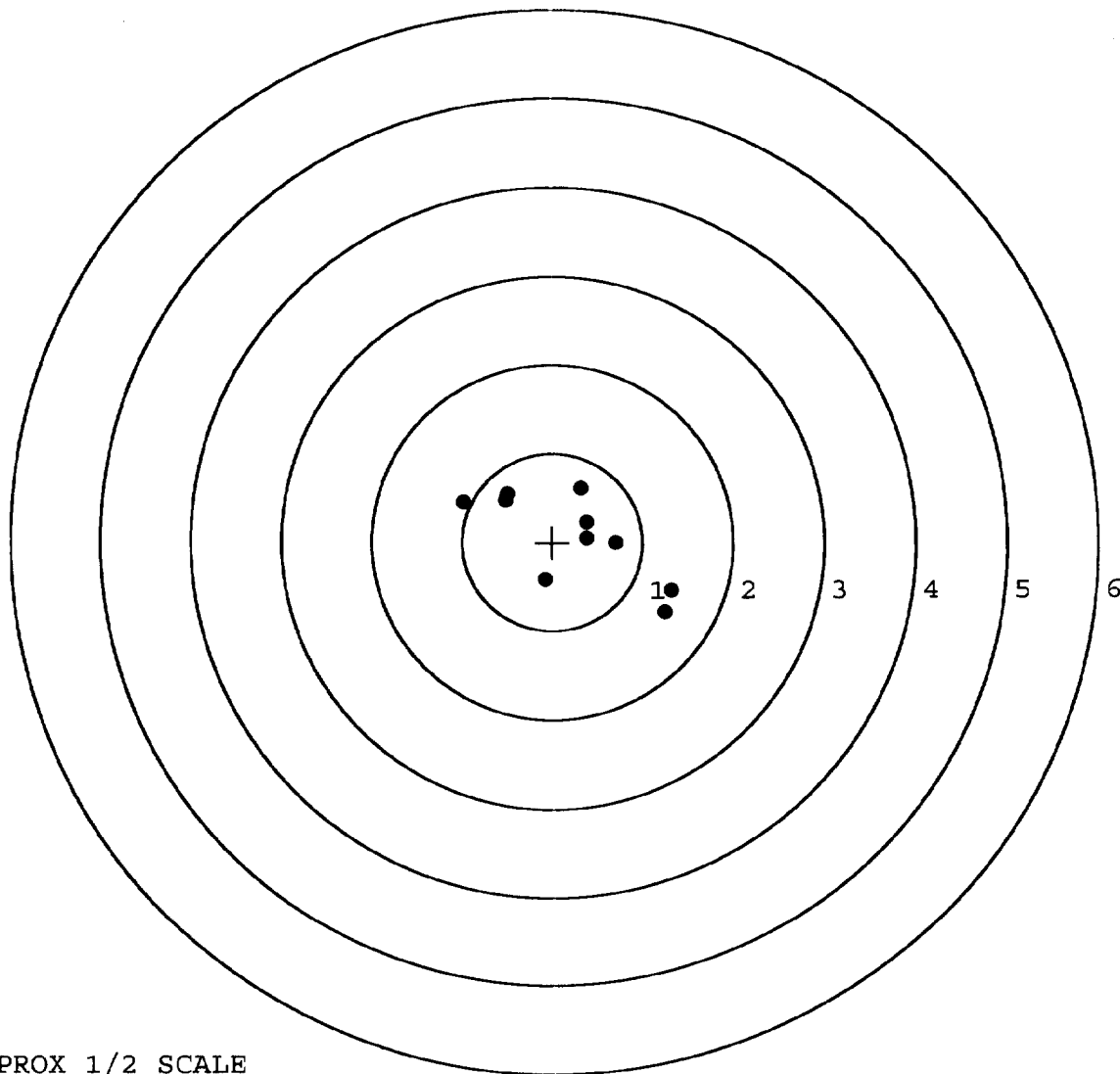
MEAN RADIUS: 0.760

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.325	0.609
2:	-0.499	0.551
3:	-0.984	0.457
4:	-0.081	-0.429
5:	0.381	0.233
6:	0.385	0.052
7:	0.706	-0.009
8:	1.314	-0.555
9:	1.241	-0.804
10:	-0.516	0.478



TARGET APPROX 1/2 SCALE

BARBER - M24 0020930

SERIAL NUMBER: C6594643. __0

TARGET NUMBER: 5

FILE DATE: 01/31/2007

FILE TIME: 23:17

X CENTROID: 0.002

Y CENTROID: -0.003

POA TO CENTROID: 0.004

HORZ SPREAD: 2.311

VERT SPREAD: 4.312

GROUP SPREAD: 4.318

MIN RADIUS: 0.247

MAX RADIUS: 2.618

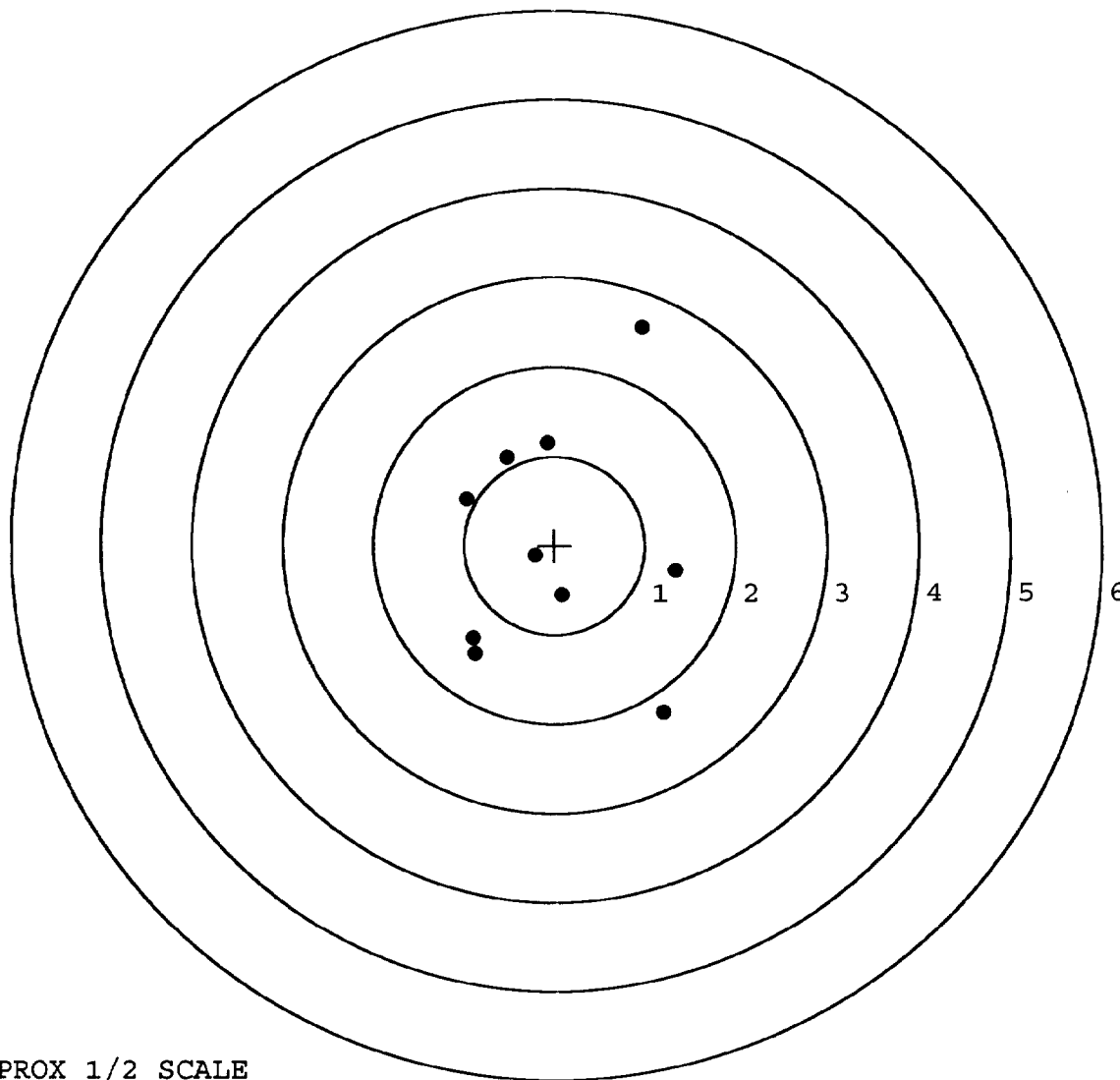
MEAN RADIUS: 1.330

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.977	2.427
2:	-0.077	1.152
3:	-0.521	0.991
4:	-0.972	0.525
5:	-0.216	-0.118
6:	0.081	-0.568
7:	-0.884	-1.214
8:	-0.900	-1.045
9:	1.339	-0.295
10:	1.196	-1.885



TARGET APPROX 1/2 SCALE

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	123913		
SERIAL NUMBER	C6594643		
LOG-IN DATE	1-18-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-22-07	RTZ
505	RE-BARREL	1-23-07	RTZ
420	ASSEMBLE	1-23-07	RTZ
440	PROOF	MAGNA-FLUX INSPECTED 1-24-07	TRW
460	CHECK HEADSPACE	1-24-07	RTZ
470	DIS-ASSEMBLE GUN	JAN 29 2007 1-24-07	RTZ
480	MAGNAFLUX	OPERATOR <u>APD</u> 1-29-07	APD
510	DRILL AND TAP	1-26-07	TRW
500	ROLLMARK CALIBER	1-29-07	CW
520	GOFF BLAST BBL / REC	1-29-07	LB
530 & 540	APPLY COATINGS	1-29-07	W1
560	FINAL ASSEMBLY	1-31-07	RTZ
640	FUNCTION TEST AND	(PASS) FAIL 1/31/07	non
650	TARGET	(PASS) FAIL 1/31/07	non
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	2-2-07	RTZ
	A) HEADSPACE	(PASS) FAIL 2-2-07	RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 2.65 2.26 2.32 2.33 2.35 2-1-07	TRW
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 5.5 6.0 6.0 2-1-07	TRW
	G) SAFETY OFF FORCE	2 LBS MIN 2.75 2.75 2.75 2-1-07	TRW
	I) FIRING PIN INDENT	.020 .0235 .0235 .0235 2-1-07	TRW
690	PACK	2-16-07	RTZ

F006 REV 5/2006

BARREL ASSEMBLY BARREL RECEIVER FRONT SIGHT BASE REAR SIGHT BASE SCREWS FINISH		STOCK ASSEMBLY STOCK SLING SWIVEL STUDS BUTT PATE LOCK NUTS BARREL CLEARANCE COLOR / FINISH	
SCOPE ASSEMBLY SCOPE SCOPE RINGS MOUNTING SCREWS MOUNTING BASE SCREWS FINISH CLARITY		SYSTEM CASE SCOPE CASE IRON SIGHTS DEPLOYMENT KIT TRIGGER ASSEMBLY SAFETY OPERATION RE-SET TO FACTORY SPECS	
COMMENTS:			

F006 REV 5/2006

BARBER - M24 0020934

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594643DATE 7-30-96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.40	2.63		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.45	2.56		
PULL #3	2.42	2.57	2.52		
PULL #4	2.45	2.53	2.57		
PULL #5	2.40	2.61	2.57		
TOTAL	12.00	12.56	12.85		
AVG.	2.40	2.51	2.57		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.10		
PULL #2	3.12	3.13		
PULL #3	3.11	3.10		
PULL #4	3.11	3.20		
PULL #5	3.10	3.20		
TOTAL	15.51	15.73		
AVG.	3.10	3.14		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.24		4.11
PULL #2	4.10	4.23		4.00
PULL #3	4.14	4.00		4.04
PULL #4	4.09	4.19		4.03
PULL #5	4.12	4.17		4.08
TOTAL	20.57	20.83		20.26
AVG.	4.11	4.16		4.05

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594643

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			

op. #	OP. NAME - M24 0020936	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8/26/96	RW
	G) Safety Off Force	3	3.5	3.5			8/26/96	RW
	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	2.59	2.53	2.49	2.38	2.56	8/24/96	RW
	C) Function							
660	Pack							

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

Remington®

DU PONT
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

SERIAL NO.
C6594643

ORDER NO.
5716

20

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

UPC

0 47700 25216

GUN SERIAL #

C6594643

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/13/91	K.S.
600	Proof		3/13/91	K.S.
607	Check Headspace		3/13/91	K.S.
610	Dis-assemble Gun		3/13/91	K.S.
612	Magnaflux Barrel Action		3/27/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		3/27/91	LS
617	Drill and Tap Sight Holes	APR	3 1991	FB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)		4-18-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/91	KS
	C) Inspect Ejector Hole for Chamfer		5/1/91	KS
	D) Oil Firing Pin Ass'y		5/1/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5-15-91	JK

op. #	BARBER MEM24 0020939	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5-15-91	JK
	G) Safety Off Force	4	4	4			5-15-91	JK
	H) Trigger Pull Test & Retainability						5-16-91	JK
	I) Firing Pin Indent	.021	.021	.021			5-15-91	JK
	J) Assemble Stock						5-15-91	KS
	K) Assemble Swivel Studs						5-20-91	AC
	L) Attach Front and Rear Sight Assemblies						5-15-91	KS
	M) Iron Sight Alignment						5-15-91	KS
	N) Detach Front & Rear Sights & place in numbered container						5-15-91	KS
	O) Attach Scope to Rifle						5-15-91	KS
	P) Detach & Attach Scope 20 Times						5-15-91	KS
640	Gallery Target & Test						5-16-91	DH
	A) Time						5-16-91	DH
	B) Malfunctions						5-16-91	DH
	C) Pierced Primers						5-16-91	DH
	D) Optical Clarity of Scope						5-16-91	DH
645	Inspect for Live Ammo						5-16-91	DH
655	Final Inspection							
	A) Headspace						5-20-91	AC
	B) Trigger Pull	2.64	2.70	2.68	2.67	2.69	5/20/91	JK
	C) Function						5-20-91	AC
660	Pack						6-17-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C 6594643DATE 5-15-91TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.28	2.35	2.89	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.33	2.29	2.70	
PULL #3	2.38	2.30	2.33	2.68	
PULL #4	2.39	2.31	2.30	2.67	
PULL #5	2.31	2.31	2.30	2.69	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.25		
PULL #2	3.29	3.36		
PULL #3	3.30	3.36		
PULL #4	3.33	3.36		
PULL #5	3.39	3.34		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.37		4.43
PULL #2	4.35	4.35		4.35
PULL #3	4.38	4.42		4.43
PULL #4	4.40	4.38		4.42
PULL #5	4.45	4.38		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594643
16 May 1991

CENTROIDAL DISTANCES

0 TO 1	.247132
1 TO 2	.142888
1 TO 3	.24026
1 TO 4	.333242
1 TO 5	.156083

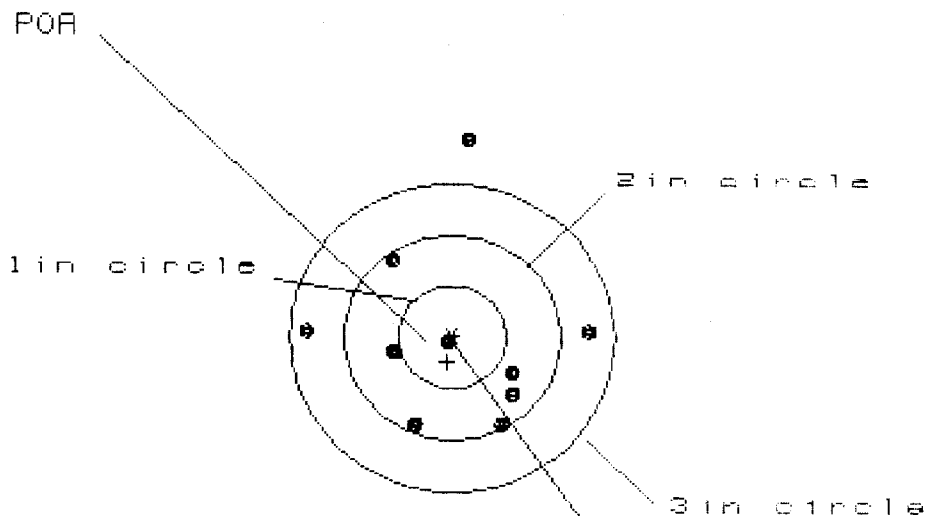
 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0418
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1786
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .183426
THE AMR FOR THIS RIFLE IS: .817

18 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594643

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in - 1

2 in - 7

3 in - 9

HS - 2.553

VS - 2.786

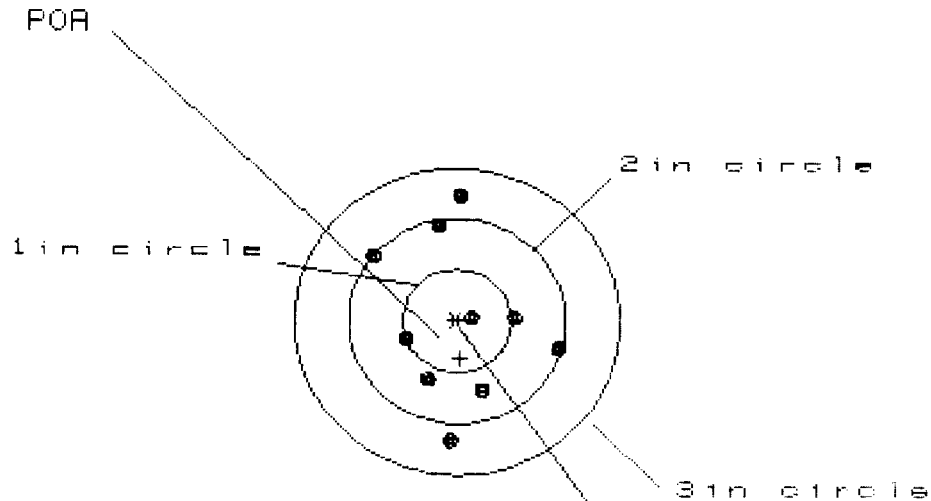
GS - 2.811

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.231	1.251	1.088
MINIMUM X	-1.322	-1.302	-.725
MAXIMUM Y	1.928	.970	1.010
MINIMUM Y	-.858	-.644	-.604
CENTROID X	.045	.025	.188
CENTROID Y	.243	.029	-.011
POA TO CENTROID in.	.247	.039	.189
MIN RADIUS	.114	.160	.297
MEAN RADIUS	.944	.798	.717
MAX RADIUS	1.935	1.341	1.222
HORIZONTAL SPREAD	2.553	2.553	1.813
VERTICAL SPREAD	2.786	1.614	1.614
EXTREME SPREAD	2.811	2.554	1.921
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

18 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594643

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 7

3 in - 10

HS - 1.674

VS - 2.328

GS - 2.331

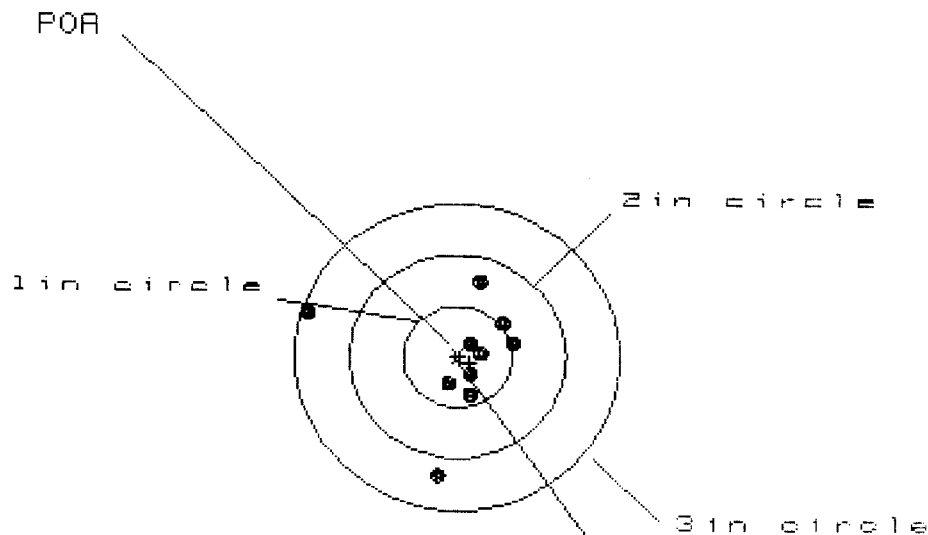
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.888	.894	.887
MINIMUM X	:	-.786	-.780	-.787
MAXIMUM Y	:	1.191	1.085	.960
MINIMUM Y	:	-1.137	-1.005	-.699
CENTROID X	:	-.031	-.037	-.030
CENTROID Y	:	.364	.232	.357
POA TO CENTROID in.	:	.365	.235	.358
MIN RADIUS	:	.117	.228	.121
MEAN RADIUS	:	.781	.726	.685
MAX RADIUS	:	1.192	1.113	1.033
HORIZONTAL SPREAD	:	1.674	1.674	1.674
VERTICAL SPREAD	:	2.328	2.090	1.659
EXTREME SPREAD	:	2.331	2.092	1.910
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594643

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in - 5

2in - 8

3in = 10

HS= 1.932

VS= 1.948

GS= 2.018

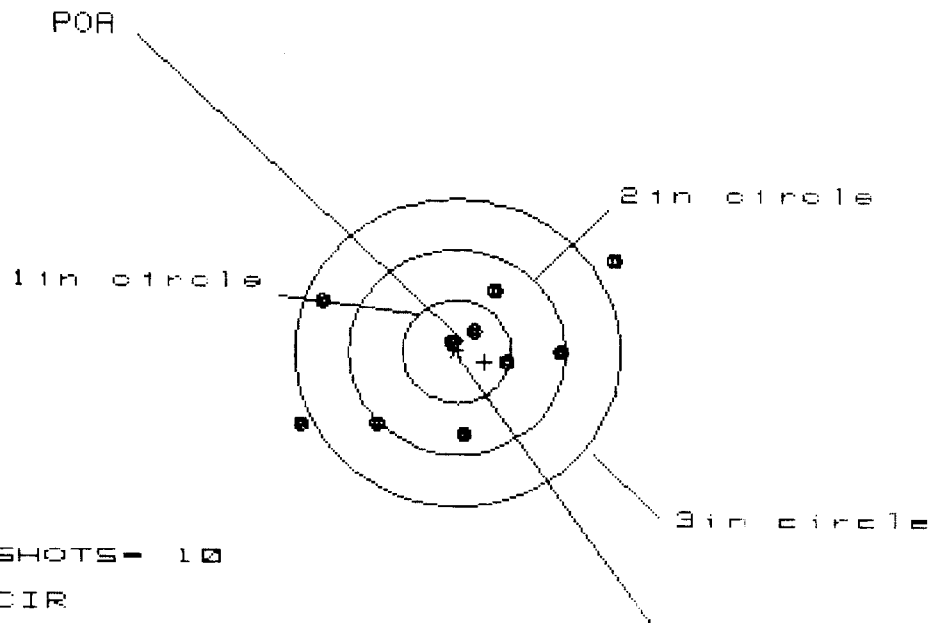
CENTROID #

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.527	.371	.326
MINIMUM X	:	-1.405	-.359	-.266
MAXIMUM Y	:	.769	.818	.677
MINIMUM Y	:	-1.179	-1.130	-.406
CENTROID X	:	-.113	.043	.088
CENTROID Y	:	.062	.013	.154
POA TO CENTROID in.	:	.129	.045	.177
MIN RADIUS	:	.145	.090	.070
MEAN RADIUS	:	.569	.428	.329
MAX RADIUS	:	1.473	1.186	.677
HORIZONTAL SPREAD	:	1.932	.730	.592
VERTICAL SPREAD	:	1.948	1.948	1.083
EXTREME SPREAD	:	2.018	1.995	1.085
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

18 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594643

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS = 2.845

VS = 1.729

GS = 3.295

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.436	1.081	.925
MINIMUM X	-1.409	-1.249	-1.281
MAXIMUM Y	.936	.667	.589
MINIMUM Y	-.793	-.689	-.767
CENTROID X	-.256	-.416	-.260
CENTROID Y	.100	-.004	.074
POA TO CENTROID in.	.275	.416	.270
MIN RADIUS	.128	.280	.154
MEAN RADIUS	.890	.830	.705
MAX RADIUS	1.714	1.396	1.385
HORIZONTAL SPREAD	2.845	2.330	2.206
VERTICAL SPREAD	1.729	1.356	1.356
EXTREME SPREAD	3.295	2.434	2.267
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594643

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in - 2

2in - 6

3in - 9

HS- 1.886

VS- 2.433

GS- 2.566

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.944	.785	.814
MINIMUM X	:	-.942	-.837	-.808
MAXIMUM Y	:	1.238	1.227	1.095
MINIMUM Y	:	-1.195	-1.058	-.688
CENTROID X	:	.146	.041	.012
CENTROID Y	:	.124	-.013	.119
POA TO CENTROID IN.	:	.192	.044	.120
MIN RADIUS	:	.109	.281	.216
MEAN RADIUS	:	.901	.830	.789
MAX RADIUS	:	1.556	1.263	1.143
HORIZONTAL SPREAD	:	1.886	1.622	1.622
VERTICAL SPREAD	:	2.433	2.285	1.783
EXTREME SPREAD	:	2.566	2.286	2.016
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	