

C6498854

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

142

C6498854

MAINTAIN M24

N



RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

[REDACTED]

[REDACTED]

COPY "O" (OFFICIAL) ☐ "X" (EXTRA) ☒

TOTAL RETENTION: [REDACTED]

[REDACTED]

GS-11050 Rev. 8/78

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: **RE00112591**

Serial: C6498854 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1990

Repairman:

Status:

Closed 5/19/2006 9:46:16 AM

Address Information

Customer:

Received From:

Return To:

Received From:

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: ANNISTON ARMY DEPOT

ANNISTON ARMY DEPOT

Address 2: EXIT BYNUM AL 36253

PO Box:

EXIT BYNUM AL 36253

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: 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	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1
C000	SCOPE CASE	1

Repair Search

Refresh

Close

maglev

5/23/2006

7:25 AM

CAPS

NUM

INS

SERL

start

2 Micr...

Microsof...

2 Inter...

Part Sea...

Arms Se...

7:25 AM

Serial Number: **C6498854**
Model: **M24 SWS**

RE00112591

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498854.___0
FILE DATE AND TIME: 06/09/2006 17:15

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.135
The Average Y Centroid of the Five Target Set:	0.047
The Average Point of Impact of the Five Target Set:	0.143
The Average Mean Radius of the Five Target Set:	0.874
The Distance from POA to Centroid Target #1:	0.391
The Distance from Centroid Target #2 to Centroid Target #1:	0.212
The Distance from Centroid Target #3 to Centroid Target #1:	0.439
The Distance from Centroid Target #4 to Centroid Target #1:	0.348
The Distance from Centroid Target #5 to Centroid Target #1:	0.382

SERIAL NUMBER: C6498854. __0

TARGET NUMBER: 1

FILE DATE: 06/09/2006

FILE TIME: 17:15

POINT#	X	Y
1:	1.397	2.877
2:	-0.953	0.321
3:	-0.695	-0.334
4:	-0.807	-0.819
5:	0.317	0.266
6:	0.557	-0.370
7:	1.010	-0.249
8:	1.207	0.086
9:	0.534	0.766
10:	0.428	-0.029

X CENTROID: 0.299

Y CENTROID: 0.252

POA TO CENTROID: 0.391

HORZ SPREAD: 2.350

VERT SPREAD: 3.696

GROUP SPREAD: 4.303

MIN RADIUS: 0.023

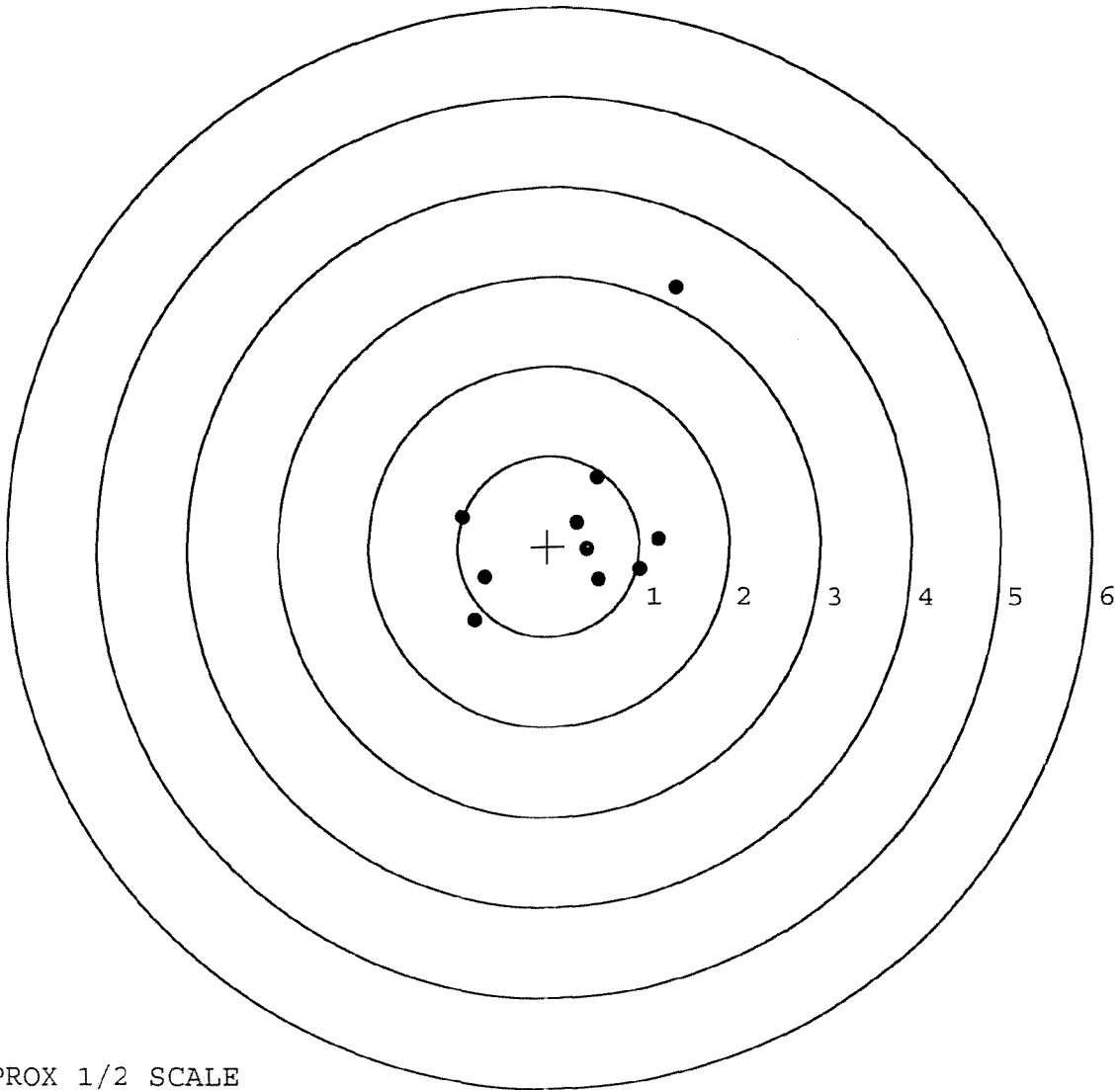
MAX RADIUS: 2.846

MEAN RADIUS: 1.015

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498854. 0

TARGET NUMBER: 2

FILE DATE: 06/09/2006

FILE TIME: 17:15

X CENTROID: 0.264

Y CENTROID: 0.043

POA TO CENTROID: 0.268

HORZ SPREAD: 2.573

VERT SPREAD: 2.439

GROUP SPREAD: 3.331

MIN RADIUS: 0.223

MAX RADIUS: 1.727

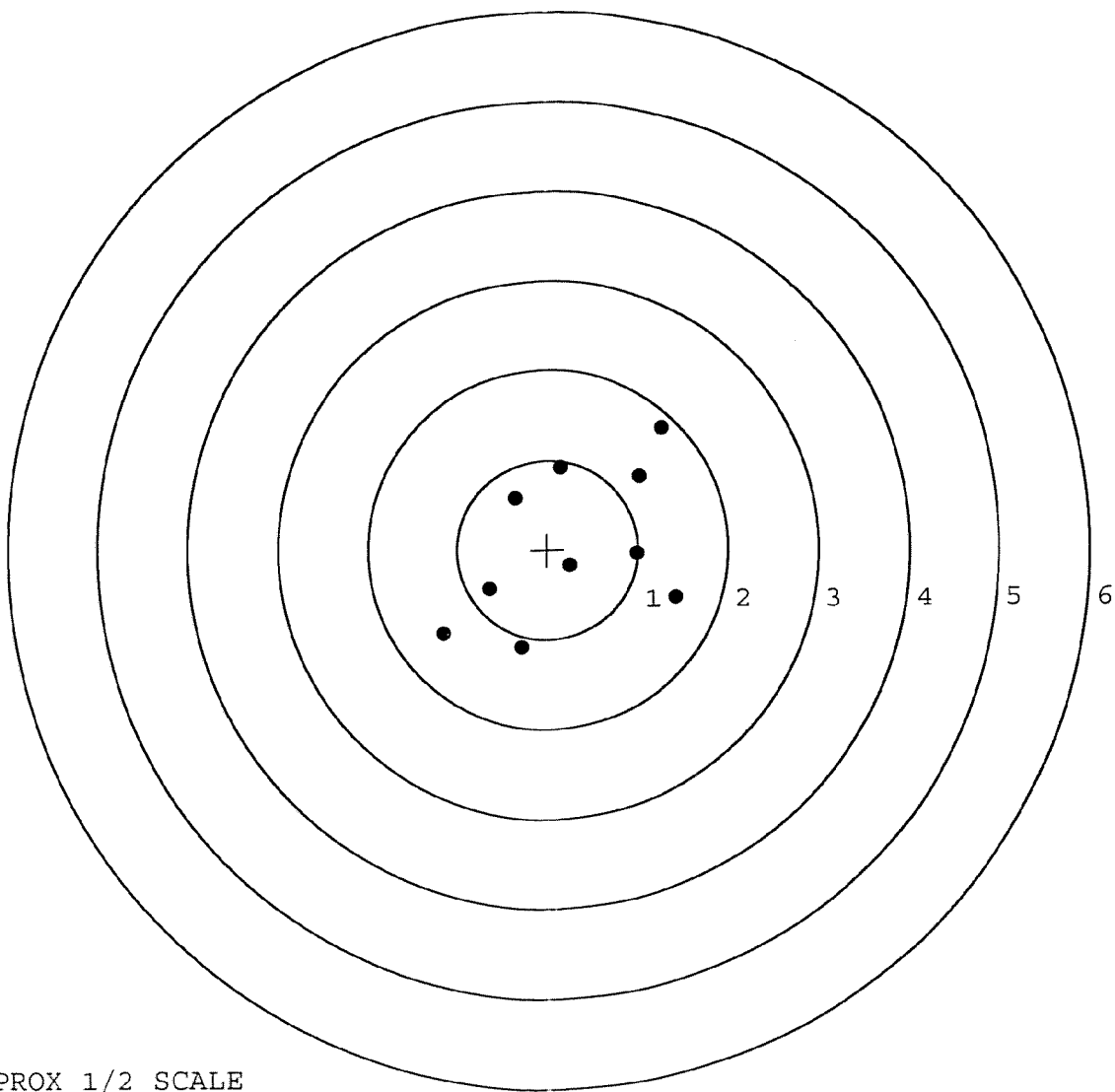
MEAN RADIUS: 1.069

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.358	0.581
2:	0.151	0.918
3:	1.264	1.351
4:	1.018	0.816
5:	0.991	-0.051
6:	1.414	-0.546
7:	0.251	-0.180
8:	-0.643	-0.438
9:	-0.288	-1.088
10:	-1.159	-0.935



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498854. 0

TARGET NUMBER: 3

FILE DATE: 06/09/2006

FILE TIME: 17:15

X CENTROID: 0.108

Y CENTROID: -0.144

POA TO CENTROID: 0.180

HORZ SPREAD: 2.034

VERT SPREAD: 2.478

GROUP SPREAD: 2.502

MIN RADIUS: 0.357

MAX RADIUS: 1.479

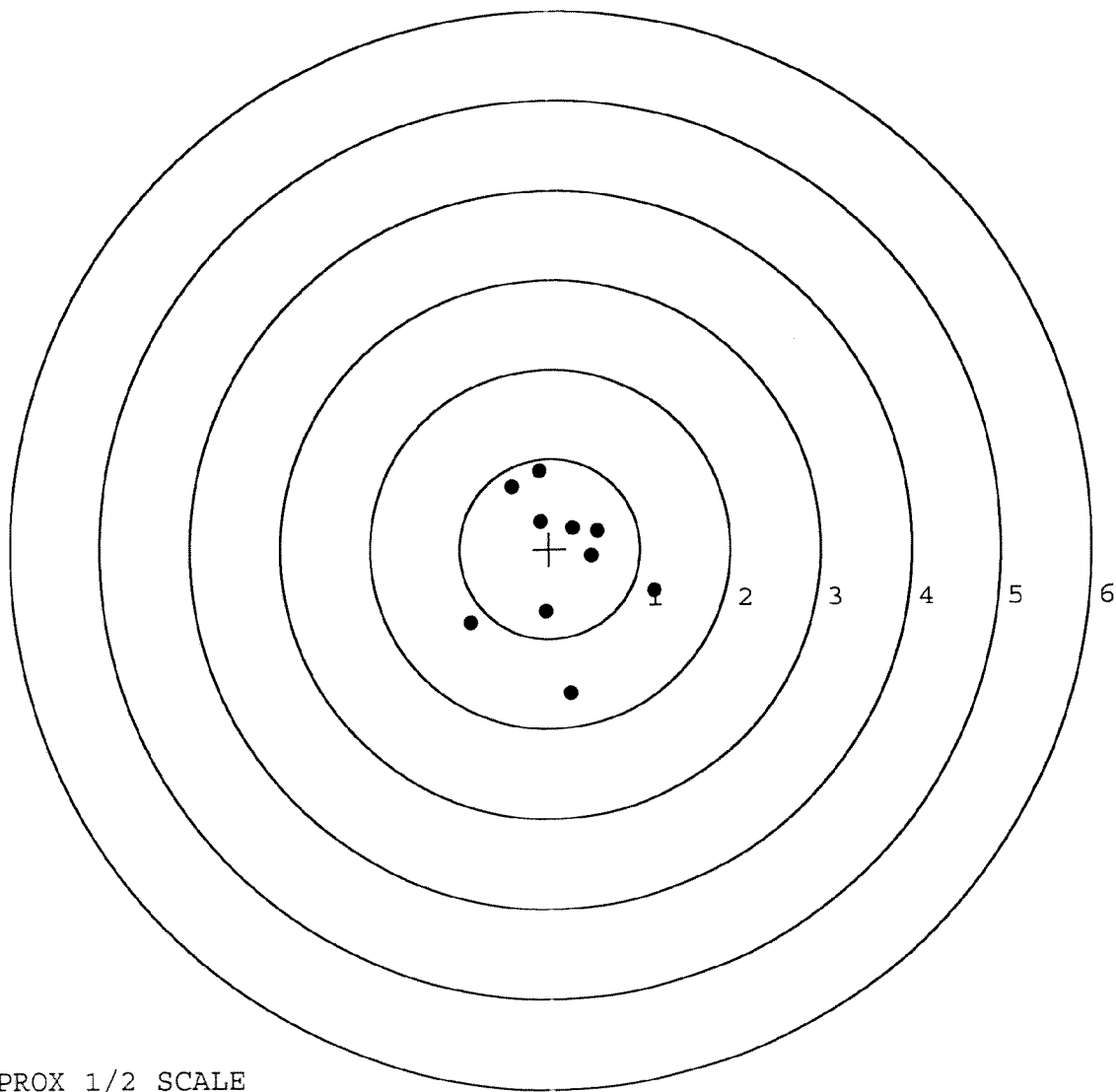
MEAN RADIUS: 0.816

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.113	0.861
2:	-0.416	0.689
3:	-0.880	-0.826
4:	-0.043	-0.704
5:	0.231	-1.617
6:	1.154	-0.478
7:	0.460	-0.085
8:	0.528	0.194
9:	0.255	0.228
10:	-0.095	0.303



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498854. __0

TARGET NUMBER: 4

FILE DATE: 06/09/2006

FILE TIME: 17:15

X CENTROID: 0.001

Y CENTROID: 0.073

POA TO CENTROID: 0.073

HORZ SPREAD: 1.448

VERT SPREAD: 1.960

GROUP SPREAD: 2.184

MIN RADIUS: 0.200

MAX RADIUS: 1.528

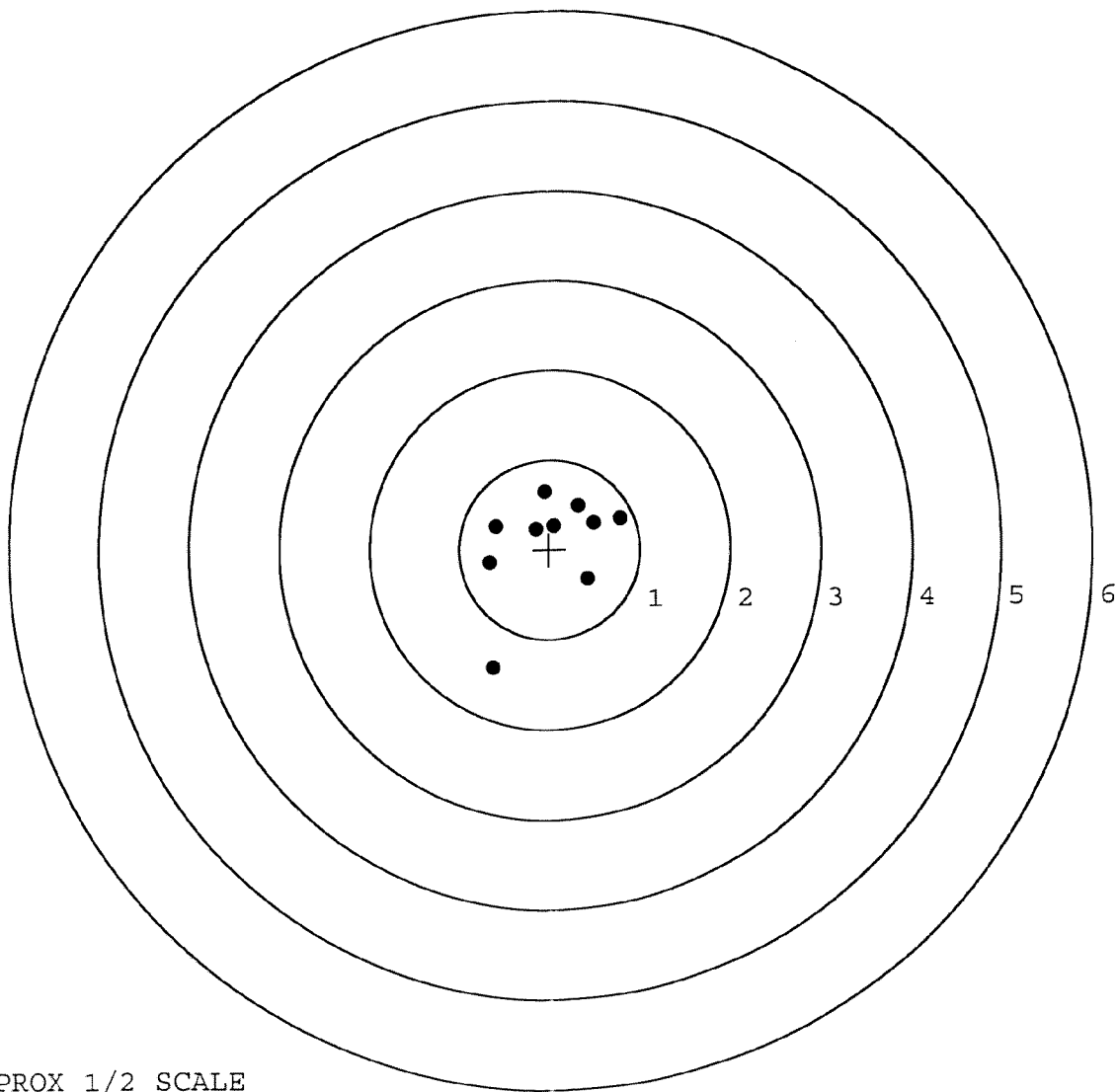
MEAN RADIUS: 0.632

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.665	-0.144
2:	-0.588	0.265
3:	-0.147	0.230
4:	0.057	0.264
5:	-0.047	0.642
6:	0.326	0.484
7:	0.493	0.292
8:	0.783	0.346
9:	0.426	-0.335
10:	-0.632	-1.318



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498854. 0

TARGET NUMBER: 5

FILE DATE: 06/09/2006

FILE TIME: 17:15

X CENTROID: 0.003

Y CENTROID: 0.011

POA TO CENTROID: 0.012

HORZ SPREAD: 1.934

VERT SPREAD: 2.282

GROUP SPREAD: 2.358

MIN RADIUS: 0.393

MAX RADIUS: 1.472

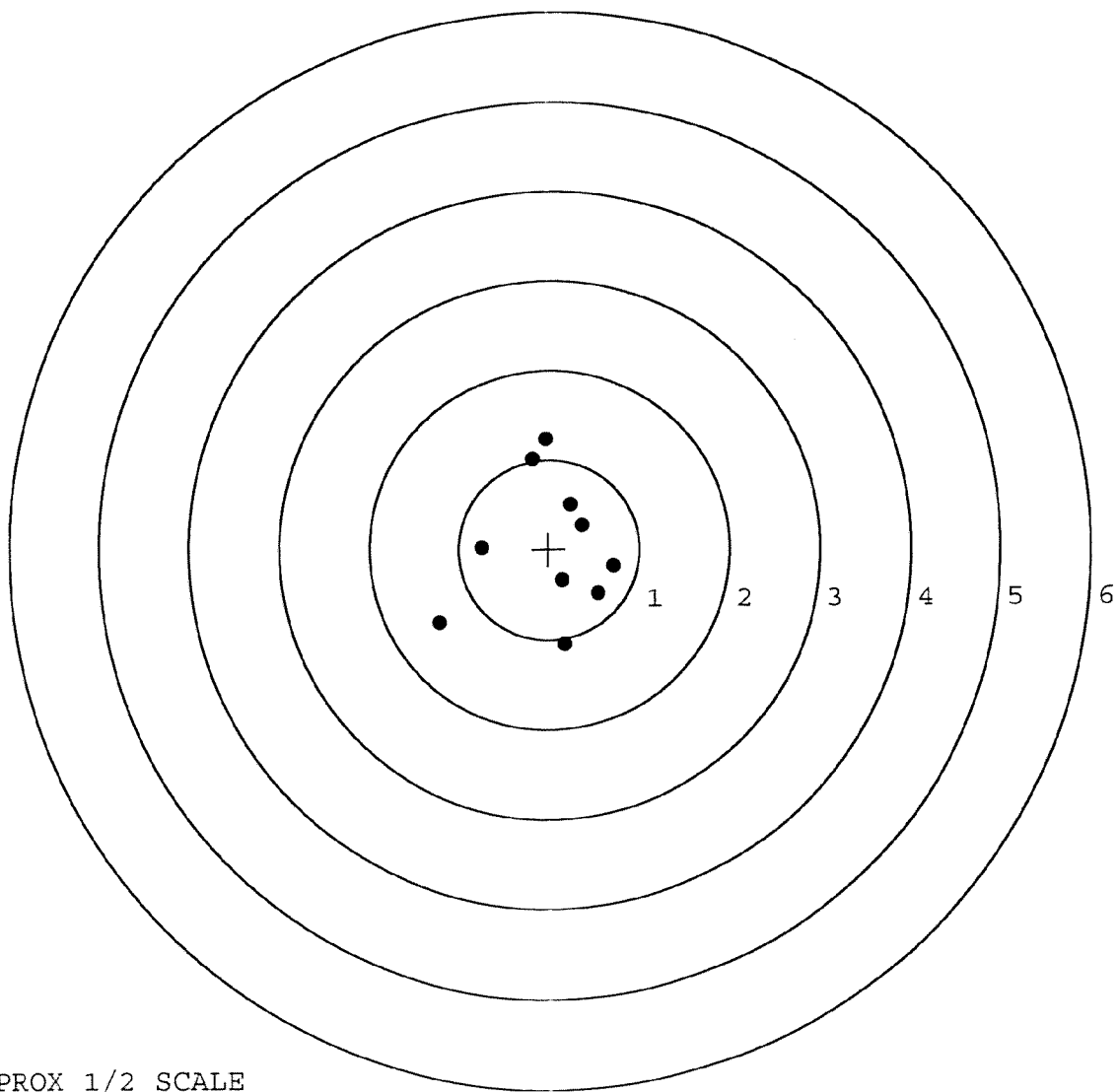
MEAN RADIUS: 0.839

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.175	1.008
2:	-0.031	1.227
3:	0.241	0.499
4:	0.369	0.264
5:	0.715	-0.196
6:	0.546	-0.494
7:	0.151	-0.353
8:	0.176	-1.055
9:	-0.745	0.023
10:	-1.219	-0.810



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	112591			
SERIAL NUMBER	C6498854			
LOG-IN DATE	5-19-06			
OPERATION #	OPERATION NAME	DATE	INITIAL	
500	DIS-ASSEMBLE GUN	5-31-06	RTZ	
505	RE-BARREL	6-1-06	RTZ	
560	ASSEMBLE	6-1-06	RTZ	
600	PROOF	MAGNA-FLUX INSPECTED JUN 05 2006 OPERATOR CDD	6-1-06	TRW
605	CHECK HEADSPACE		6-1-06	TRW
610	DIS-ASSEMBLE GUN		6-2-06	RTZ
612	MAGNAFLUX		6-3-06	APD
510	DRILL AND TAP		6-2-06	TRW
615	ROLLMARK CALIBER		6-2-06	CW
618	ROTO-BLAST		6-5-06	CB
620	APPLY COATINGS		6-7-06	TRW
625	FINAL ASSEMBLY		6-9-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	6-9-06	R.P.D.
650	TARGET	PASS FAIL	6-9-06	R.P.D.
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		6-22-06	MTH
	A) HEADSPACE	PASS FAIL	6-22-06	MTH
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6 lbs 6 lbs 6 lbs 6-22-06	MTH
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs 6-22-06	MTH
	I) FIRING PIN INDENT	.020	.024 .024 .024 6-22-06	MTH
690	PACK		7-7-06	DA

Remington[®]


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

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

MODEL 700TM H24	SERIAL NO. C6498854
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.	ORDER NO. 5716

01


5716 C6498854

UPC


0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498854

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		ReR
	Magnaflux Bolt	5-15-90		ReR
615	Rollmark Caliber	5-15-90		CS
617	Drill and Tap Sight Holes		5/17/90	FB
618	Polish Barrel RWB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/30/90	ML

BARBER - M24 0008972

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	4	4	4	5/30/90	WB
	G) Safety Off Force	2	2	2	5/30/90	WB
	H) Trigger Pull Test & Retainability				5/31/90	gH
	I) Firing Pin Indent	.0235	.0235	.0235	5/30/90	WB
	J) Assemble Stock				5/31/90	Rw
	K) Assemble Swivel Studs				6-6-90	DB
	L) Attach Front and Rear Sight Assemblies				5/31/90	Rw
	M) Iron Sight Alignment				5/31/90	Rw
	N) Detach Front & Rear Sights & place in numbered container				5/31/90	Rw
	O) Attach Scope to Rifle				5/31/90	WB
	P) Detach & Attach Scope 20 Times				5/31/90	WB
640	Gallery Target & Test				6-1-90	✓
	A) Time				11	✓
	B) Malfunctions				11	✓
	C) Pierced Primers				11	✓
	D) Optical Clarity of Scope				11	✓
645	Inspect for Live Ammo				6-1-90	✓
655	Final Inspection					
	A) Headspace				6-8-90	gH
	B) Trigger Pull	288	289	279	6-6-90	gH
	C) Function				6-6-90	gH
660	Pack				6-9-90	DA

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06498854

DATE 5/30/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.39	2.50	2.88	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.23	2.44	2.89	
PULL #3	2.29	2.19	2.45	2.79	
PULL #4	2.16	2.50	2.32	2.89	
PULL #5	2.16	2.41	2.20	2.89	
TOTAL	11.37	11.72	11.91		
AVG.	2.274	2.344	2.382		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.28		
PULL #2	3.32	3.25		
PULL #3	3.22	3.22		
PULL #4	3.22	3.38		
PULL #5	3.24	3.26		
TOTAL	16.25	16.39		
AVG.	3.25	3.278		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.35		4.37
PULL #2	4.33	4.33		4.54
PULL #3	4.41	4.40		4.31
PULL #4	4.33	4.36		4.43
PULL #5	4.30	4.39		4.27
TOTAL	21.78	21.81		21.92
AVG.	4.356	4.362		4.384

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498854
1 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.353638
1 TO	2	.287063
1 TO	3	.455724
1 TO	4	.129865
1 TO	5	.390006

430 <----POA

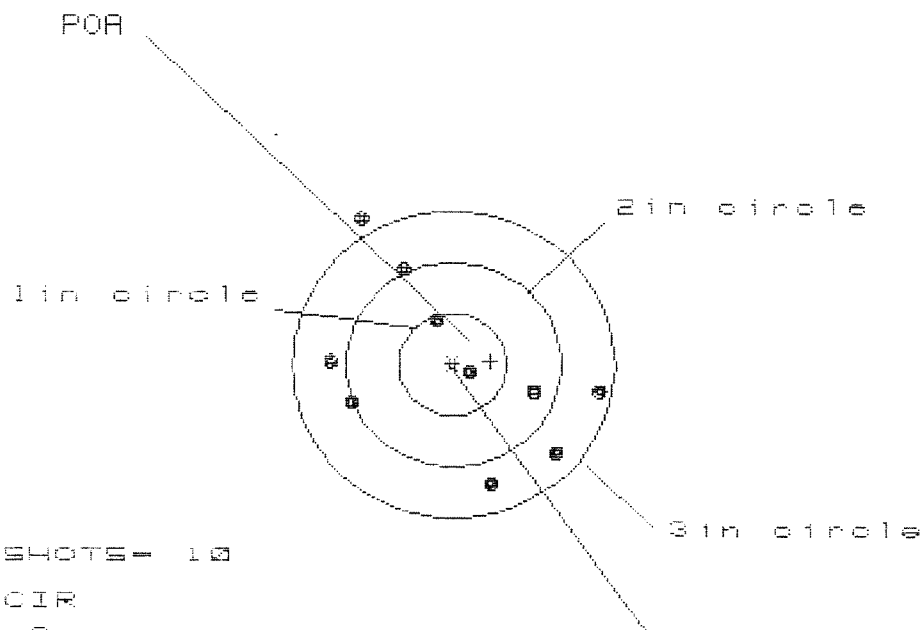
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1316
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0906
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .159771

THE AMR FOR THIS RIFLE IS: 1.014

1 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6438854

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 3

3 in = 9

HS= 2.490

VS= 2.619

GS= 2.944

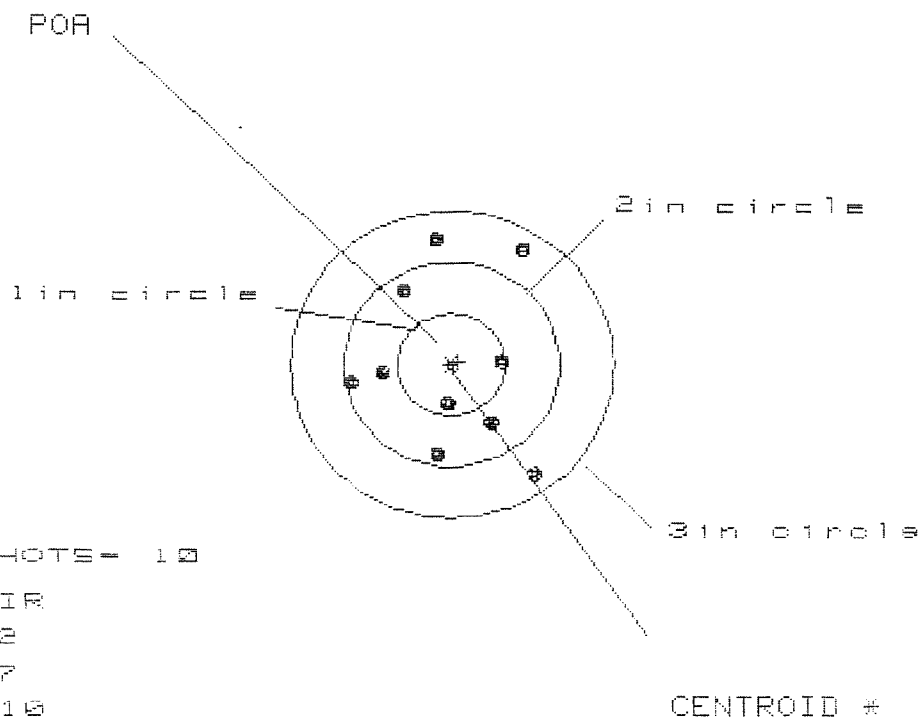
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.386	1.288	1.012
MINIMUM X	:	-1.104	-1.202	-1.041
MAXIMUM Y	:	1.481	1.125	1.119
MINIMUM Y	:	-1.138	-.974	-.980
CENTROID X	:	-.352	-.254	-.415
CENTROID Y	:	-.034	-.198	-.192
POA TO CENTROID in.	:	.354	.322	.457
MIN RADIUS	:	.150	.135	.240
MEAN RADIUS	:	1.009	.919	.877
MAX RADIUS	:	1.726	1.289	1.209
HORIZONTAL SPREAD	:	2.490	2.490	2.053
VERTICAL SPREAD	:	2.619	2.099	2.099
EXTREME SPREAD	:	2.944	2.501	2.264
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	9		

1 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B854

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.734

VS= 2.325

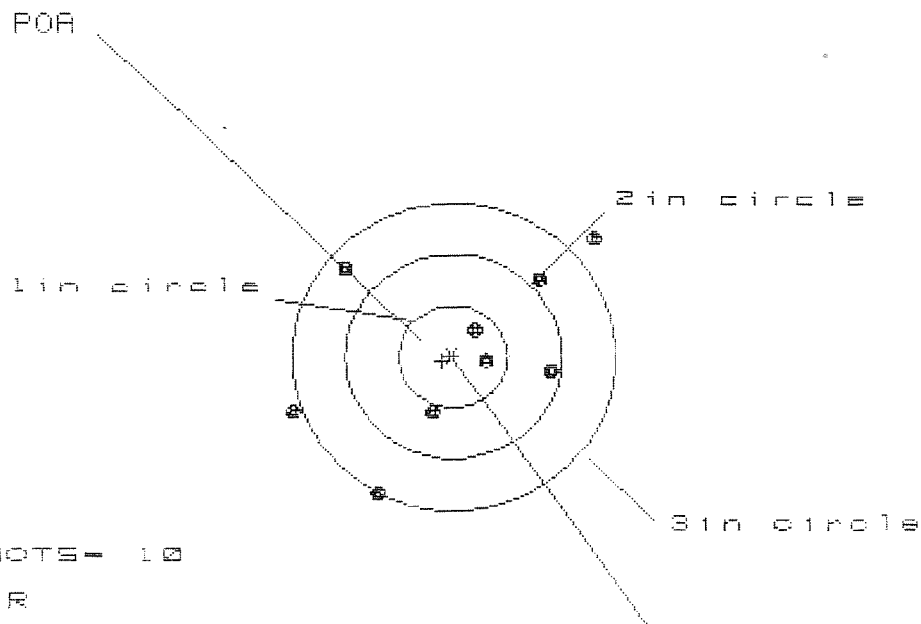
GS= 2.489

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.779	.746	.743
MINIMUM X	:	-.955	-.868	-.871
MAXIMUM Y	:	1.276	1.159	1.125
MINIMUM Y	:	-1.049	-1.012	-.867
CENTROID X	:	-.065	-.152	-.149
CENTROID Y	:	-.028	.089	-.056
POA TO CENTROID in.	:	.071	.176	.159
MIN RADIUS	:	.368	.494	.352
MEAN RADIUS	:	.874	.830	.761
MAX RADIUS	:	1.307	1.231	1.348
HORIZONTAL SPREAD	:	1.734	1.614	1.614
VERTICAL SPREAD	:	2.325	2.171	1.992
EXTREME SPREAD	:	2.489	2.171	2.150
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

1 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498854

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HEI = 2.774

VEI = 2.450

GEI = 3.241

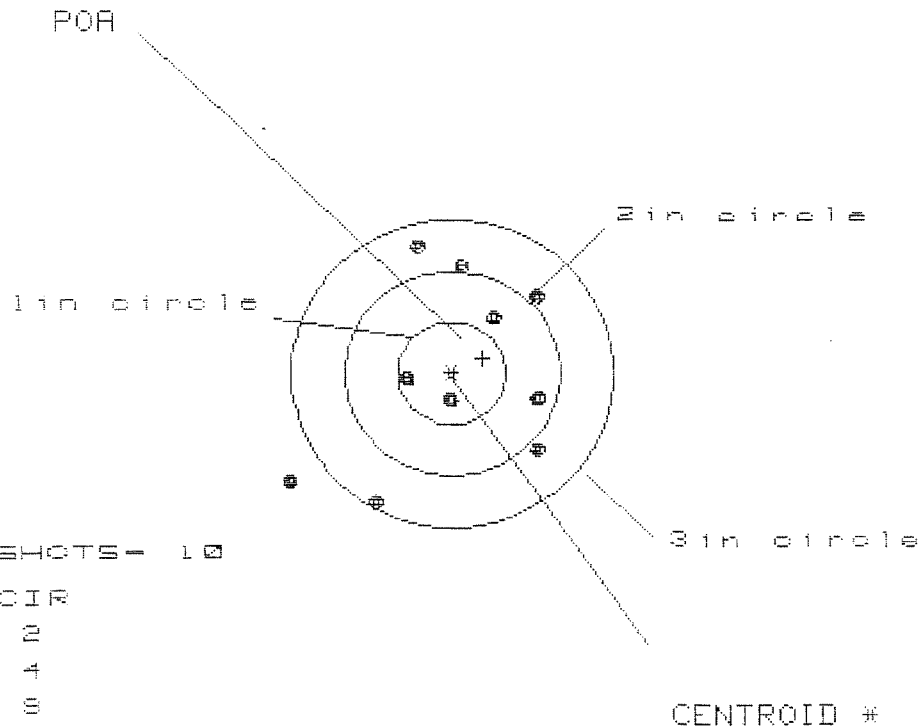
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.268
MINIMUM X	-1.506
MAXIMUM Y	1.135
MINIMUM Y	-1.315
CENTROID X	.098
CENTROID Y	.038
POA TO CENTROID in.	.106
MIN RADIUS	.317
MEAN RADIUS	.989
MAX RADIUS	1.702
HORIZONTAL SPREAD	2.774
VERTICAL SPREAD	2.450
EXTREME SPREAD	3.241
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

1 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498854

CENTERFIRE PATTERNS

4



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 8

HSE = 2.336

VSE = 2.448

ESE = 2.868

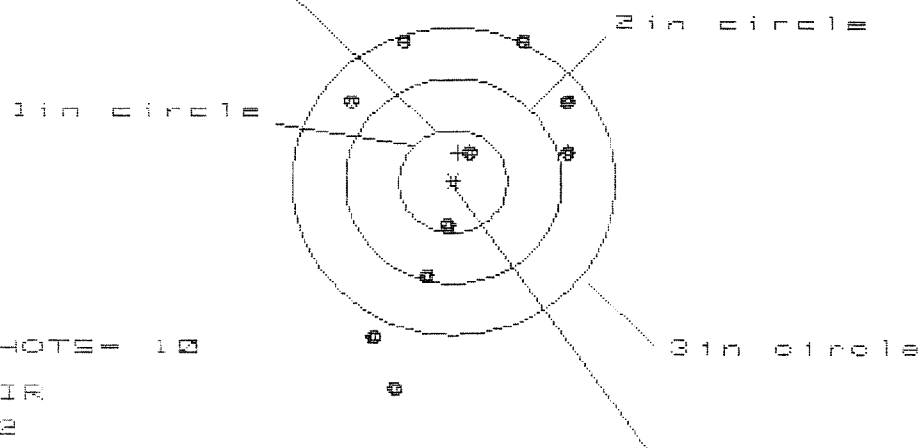
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.834	.667	.558
MINIMUM X	:	-1.502	-.873	-.651
MAXIMUM Y	:	1.206	1.088	.918
MINIMUM Y	:	-1.242	-1.360	-1.024
CENTROID X	:	-.288	-.121	-.012
CENTROID Y	:	-.147	-.029	.141
POA TO CENTROID in.	:	.324	.125	.141
MIN RADIUS	:	.237	.389	.314
MEAN RADIUS	:	.983	.868	.751
MAX RADIUS	:	1.837	1.616	1.138
HORIZONTAL SPREAD	:	2.336	1.540	1.209
VERTICAL SPREAD	:	2.448	2.448	1.942
EXTREME SPREAD	:	2.868	2.487	2.204
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08498854

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 1.995

VS= 3.456

GS= 3.658

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.070	1.009	.910
MINIMUM X	:	-.925	-.986	-1.085
MAXIMUM Y	:	1.394	1.164	.952
MINIMUM Y	:	-2.062	-1.701	-1.465
CENTROID X	:	-.051	.010	.109
CENTROID Y	:	-.282	-.052	.160
POA TO CENTROID in.	:	.286	.053	.194
MIN RADIUS	:	.290	.091	.193
MEAN RADIUS	:	1.214	1.080	.970
MAX RADIUS	:	2.136	1.876	1.460
HORIZONTAL SPREAD	:	1.995	1.995	1.995
VERTICAL SPREAD	:	3.456	2.865	2.357
EXTREME SPREAD	:	3.658	3.178	2.516
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	