

C6587734

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Serial Number: C6587734

Model: M24 SWS



RE00096719

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587734.___0
FILE DATE AND TIME: 05/26/2005 06:14

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.061
The Average Y Centroid of the Five Target Set:	-0.287
The Average Point of Impact of the Five Target Set:	0.293
The Average Mean Radius of the Five Target Set:	1.022
The Distance from POA to Centroid Target #1:	0.352
The Distance from Centroid Target #2 to Centroid Target #1:	1.040
The Distance from Centroid Target #3 to Centroid Target #1:	0.536
The Distance from Centroid Target #4 to Centroid Target #1:	1.282
The Distance from Centroid Target #5 to Centroid Target #1:	0.401

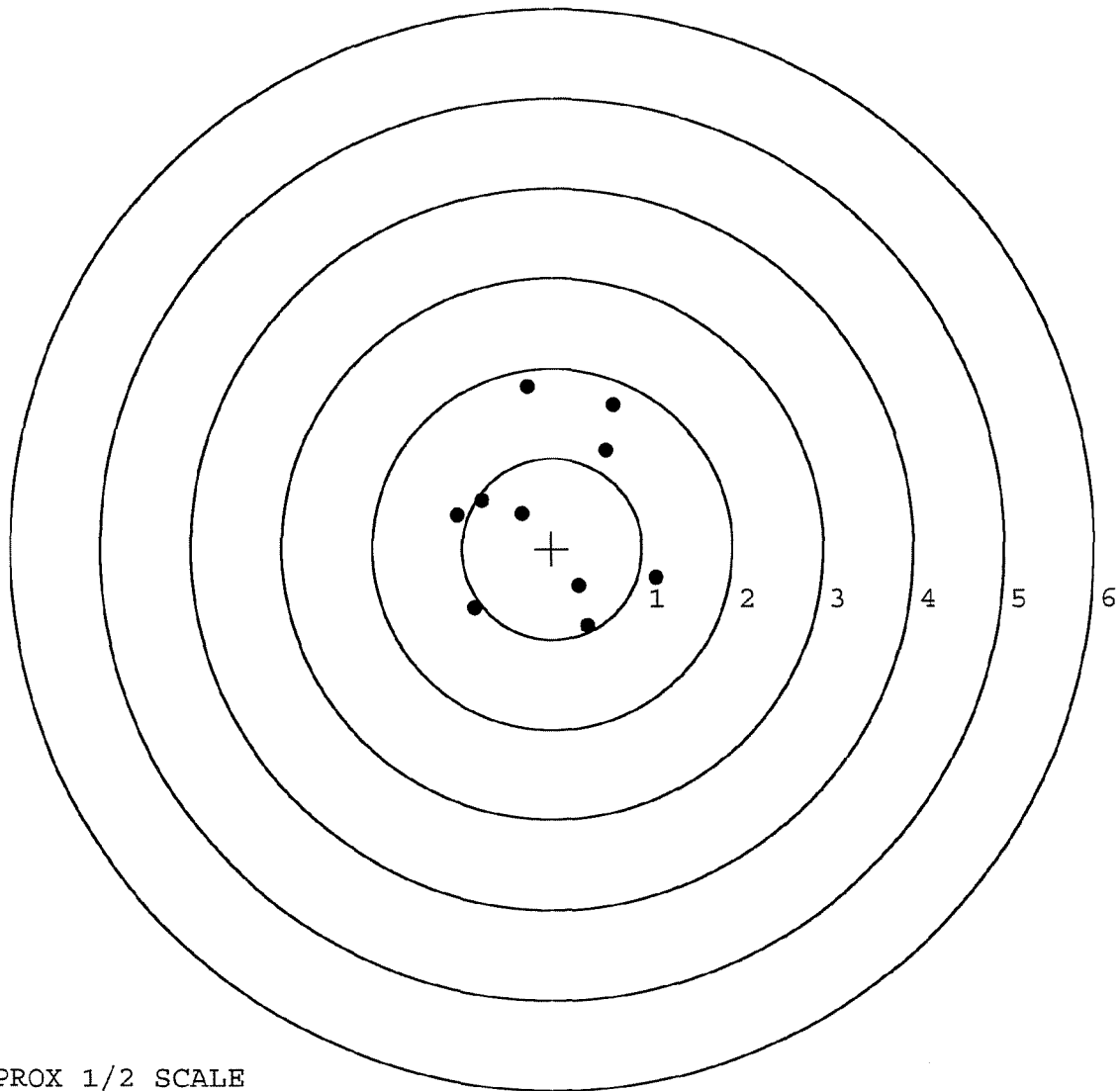
SERIAL NUMBER: C6587734. 0

TARGET NUMBER: 1

FILE DATE: 05/26/2005

FILE TIME: 06:14

	POINT#	X	Y
	1:	0.601	1.087
	2:	0.681	1.598
	3:	-0.274	1.794
	4:	1.159	-0.326
	5:	0.304	-0.408
	6:	0.399	-0.851
	7:	-0.865	-0.656
	8:	-0.334	0.386
	9:	-0.783	0.532
	10:	-1.055	0.361
X CENTROID:		-0.017	
Y CENTROID:		0.352	
POA TO CENTROID:		0.352	
HORZ SPREAD:		2.214	
VERT SPREAD:		2.645	
GROUP SPREAD:		2.729	
MIN RADIUS:		0.319	
MAX RADIUS:		1.465	
MEAN RADIUS:		1.077	
# IN 1 IN DIAMETER:		1	
# IN 2 IN DIAMETER:		4	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587734. __0

TARGET NUMBER: 2

FILE DATE: 05/26/2005

FILE TIME: 06:14

X CENTROID: 0.037

Y CENTROID: -0.687

POA TO CENTROID: 0.688

HORZ SPREAD: 3.225

VERT SPREAD: 2.775

GROUP SPREAD: 3.373

MIN RADIUS: 0.335

MAX RADIUS: 1.809

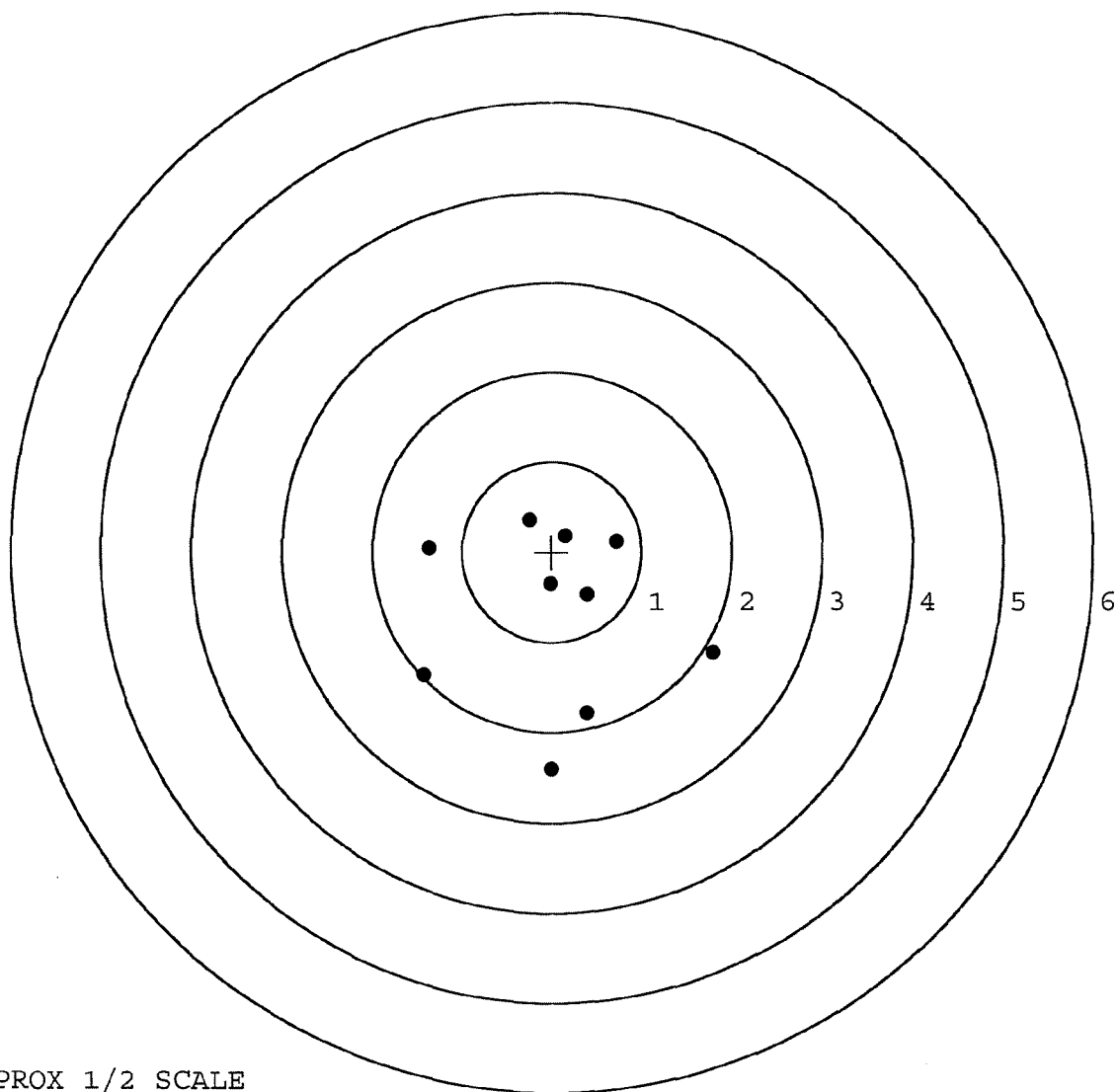
MEAN RADIUS: 1.167

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.724	0.115
2:	0.396	-0.477
3:	-0.017	-0.356
4:	0.147	0.174
5:	-0.249	0.355
6:	-1.373	0.039
7:	-1.433	-1.376
8:	0.396	-1.795
9:	-0.013	-2.420
10:	1.792	-1.126



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587734. __0

TARGET NUMBER: 3

FILE DATE: 05/26/2005

FILE TIME: 06:14

X CENTROID: 0.037

Y CENTROID: -0.182

POA TO CENTROID: 0.185

HORZ SPREAD: 2.311

VERT SPREAD: 1.694

GROUP SPREAD: 2.324

MIN RADIUS: 0.230

MAX RADIUS: 1.235

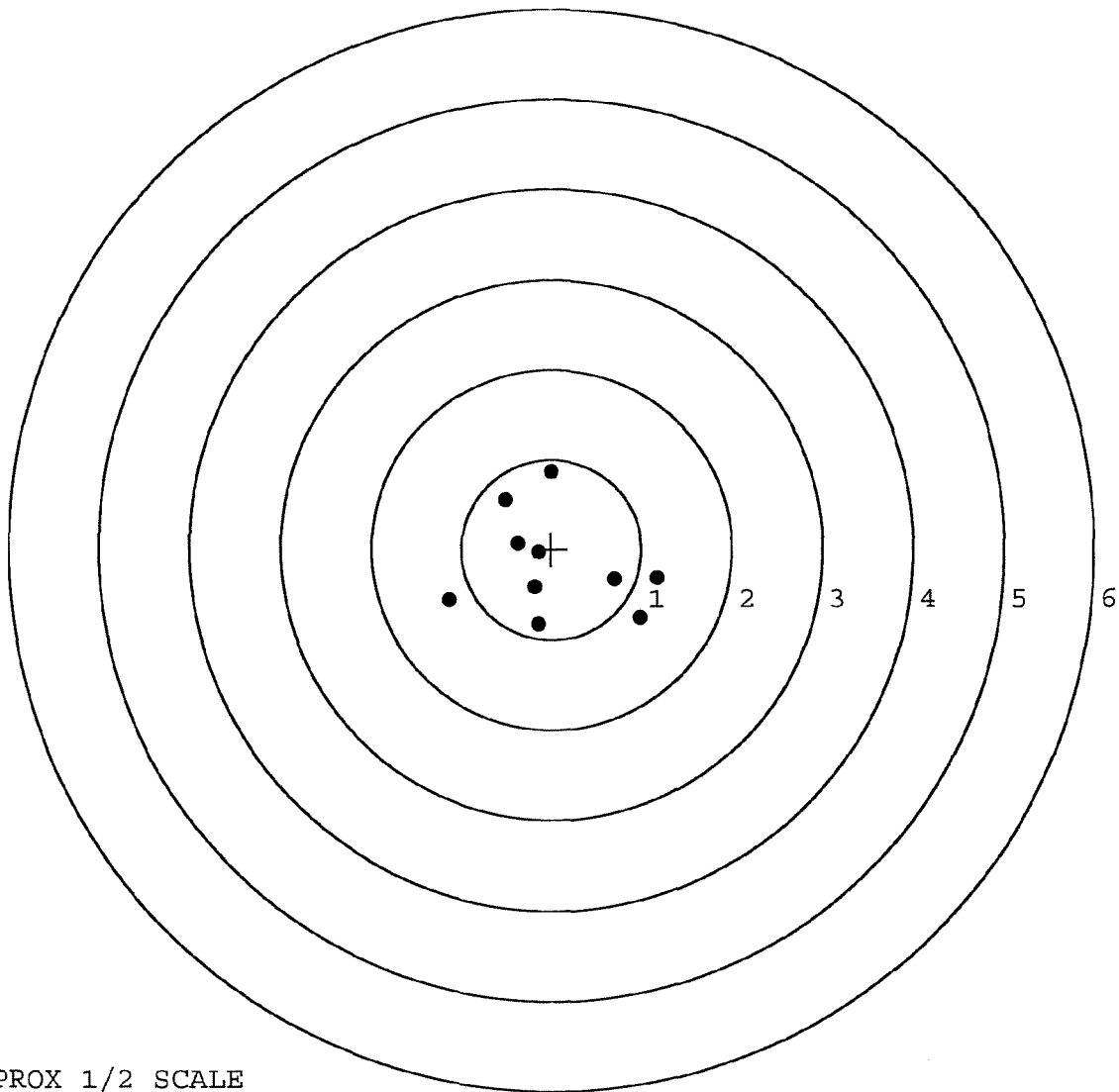
MEAN RADIUS: 0.785

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.177	-0.325
2:	0.980	-0.765
3:	0.706	-0.337
4:	-0.148	-0.834
5:	-0.193	-0.421
6:	-1.134	-0.573
7:	-0.141	-0.036
8:	-0.368	0.062
9:	-0.508	0.553
10:	0.000	0.860



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587734. 0

TARGET NUMBER: 4

FILE DATE: 05/26/2005

FILE TIME: 06:14

X CENTROID: 0.351

Y CENTROID: -0.877

POA TO CENTROID: 0.944

HORZ SPREAD: 2.762

VERT SPREAD: 3.974

GROUP SPREAD: 3.995

MIN RADIUS: 0.693

MAX RADIUS: 2.773

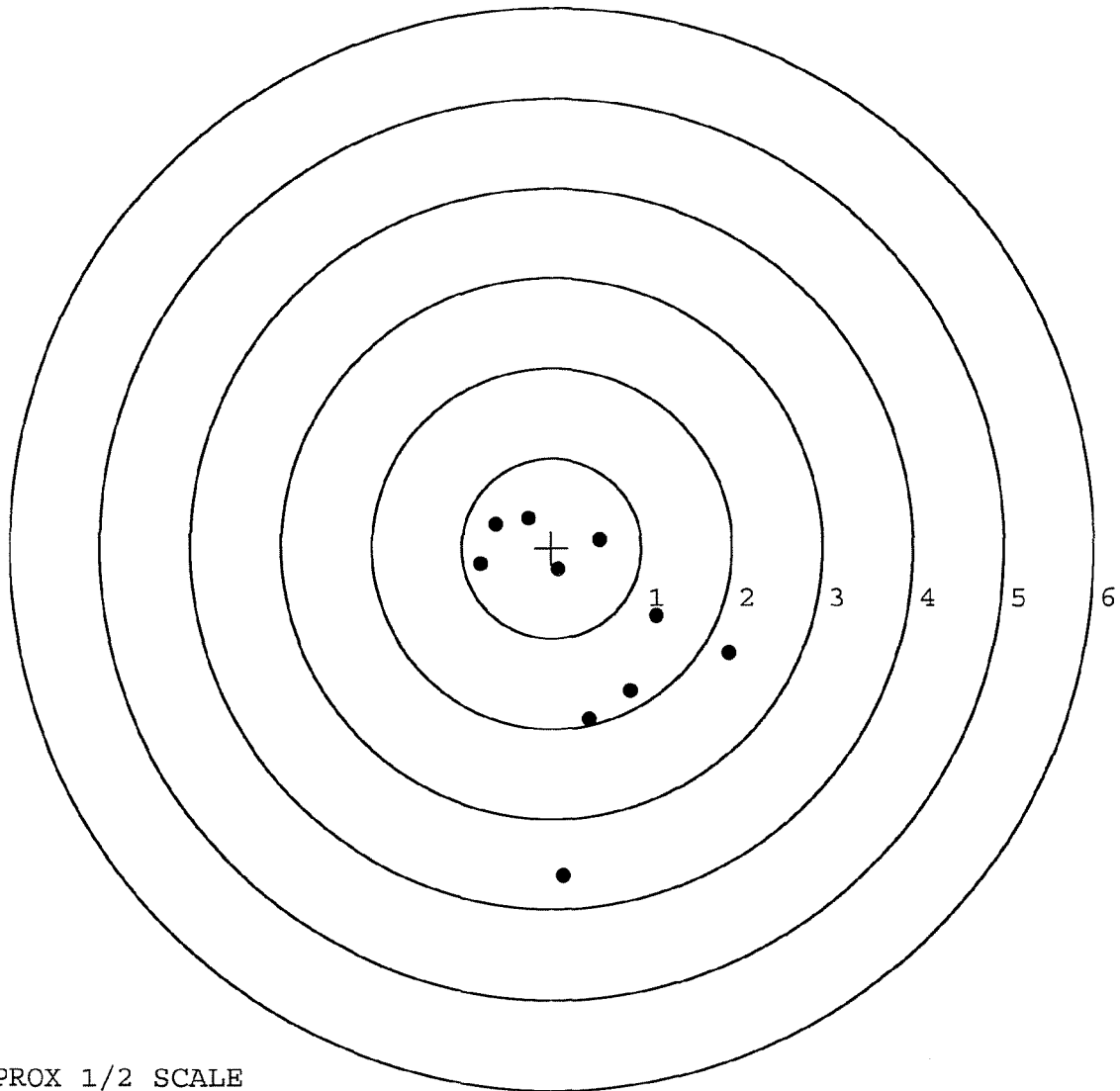
MEAN RADIUS: 1.301

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.971	-1.160
2:	1.164	-0.759
3:	0.876	-1.580
4:	0.420	-1.895
5:	0.540	0.098
6:	0.076	-0.241
7:	-0.263	0.332
8:	-0.621	0.263
9:	-0.791	-0.182
10:	0.142	-3.642



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587734. 0

TARGET NUMBER: 5

FILE DATE: 05/26/2005

FILE TIME: 06:14

X CENTROID: -0.102

Y CENTROID: -0.040

POA TO CENTROID: 0.110

HORZ SPREAD: 2.455

VERT SPREAD: 1.740

GROUP SPREAD: 2.465

MIN RADIUS: 0.166

MAX RADIUS: 1.466

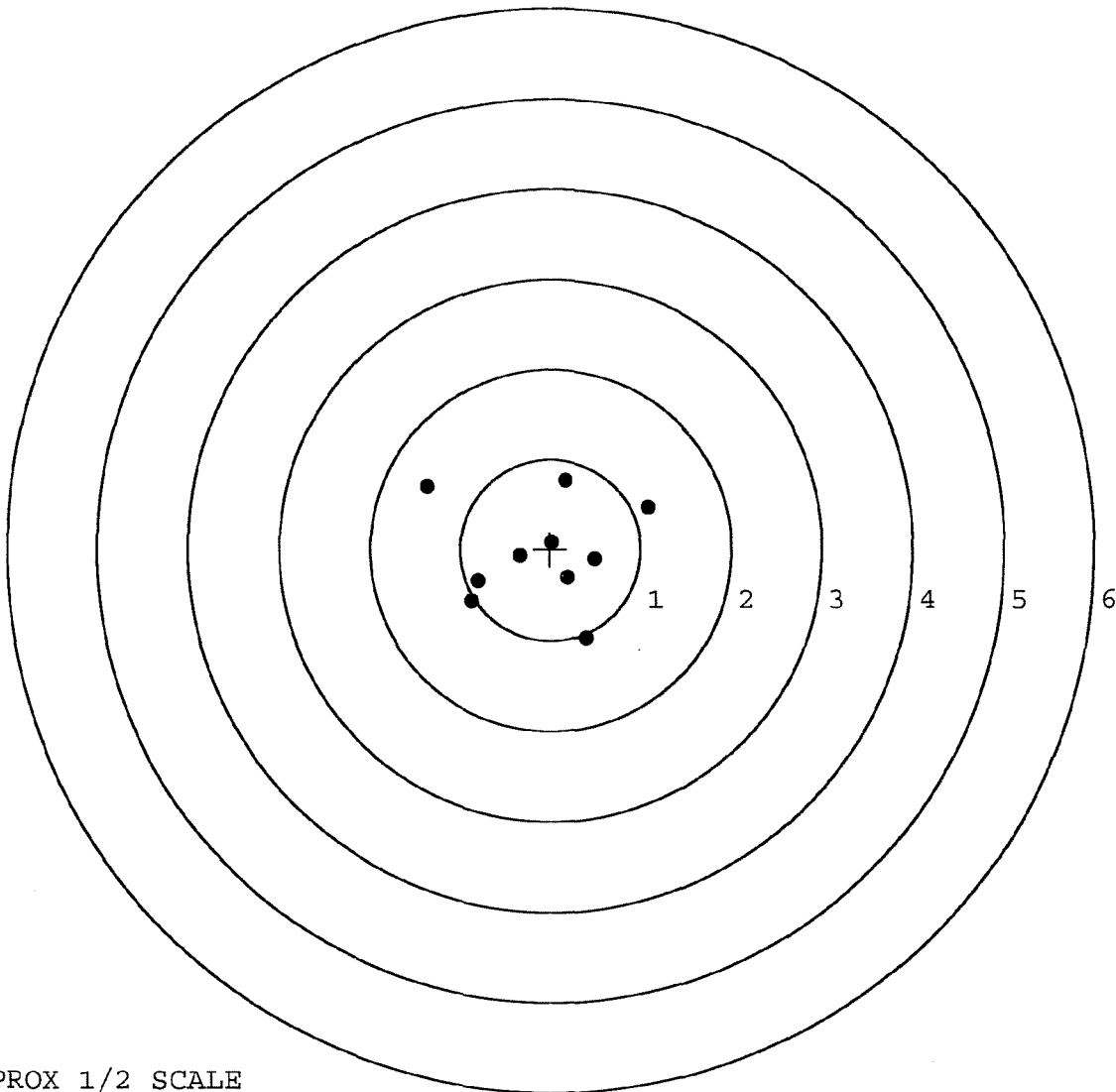
MEAN RADIUS: 0.778

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.397	-0.977
2:	1.082	0.465
3:	0.173	0.763
4:	-1.373	0.690
5:	-0.874	-0.568
6:	-0.801	-0.347
7:	-0.339	-0.075
8:	0.017	0.075
9:	0.500	-0.113
10:	0.199	-0.317



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	96719		
SERIAL NUMBER	06587734		
LOG-IN DATE	5-6-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-9-05	RT
560 A	RE-BARREL		
B	DRILL AND TAP	5-18-05	TRW
575	ASSEMBLE		
600	PROOF	5-18-05	AC
605	CHECK HEADSPACE	5-18-05	AC
610	DIS-ASSEMBLE GUN	5-18-05	AC
612	MAGNAFLUX RATOR <i>Wms</i>	5/19/05	<i>Wms</i>
615	ROLLMARK CALIBER	5-19-05	CW
618	ROTO-BLAST	5-20-05	LB
620	APPLY COATINGS	5-22-05	W
625 A	FINAL ASSEMBLY	5-25-05	RT
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	5-26-05	AC
D	SAFETY "OFF" FORCE	5-26-05	AC
E	FIRING PIN INDENT	5-26-05	AC
640	TARGET	5-26-05	TRW
655	FINAL INSPECT	5-26-05	AC
660	PACK	5-31-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

FINAL INSPECTION CHECKLIST M-24 REPAIRS
CONTRACT #: DAAE-20-02-D-0127SERIAL # C6587734 INSPECTED BY: RTLDATE REC'D: 5-6-05 DATE RET'D: 5-26-05

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☒ SCOPE
☒ SCOPE RINGS
☒ MOUNTING SCREWS
☒ MOUNTING BASE
☒ SCREWS
☒ FINISH
☒ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☒ SCOPE CASE
☒ IRON SIGHTS
☒ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

Remington®
REG. U.S. PAT. & TM. OFF.

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

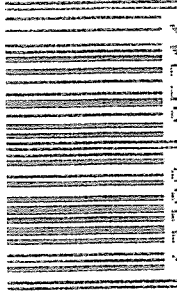
MODEL 700™ M24

SERIAL NO.
C6587734

ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6587734

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587734

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1024	50	RW
600	Proof	1024	50	RW
607	Check Headspace	1024	50	RW
610	Dis-assemble Gun	1024	90	RW
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LL
617	Drill and Tap Sight Holes		11/5/90	LS
618	Polish Barrel <i>Rob</i>		11/6/90	CSB
620	Apply Coatings (Barrel Action)		11-26-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	RW
	C) Inspect Ejector Hole for Chamfer		12/12/90	RW
	D) Oil Firing Pin Ass'y		12/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-4-91	DH

op. #	NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3.25	3.50	3.25	1/3/91	KJ		
	G) Safety Off Force	2	2	2	1/3/91	RW		
	H) Trigger Pull Test & Retainability				1-4-91	DH		
	I) Firing Pin Indent	.020	.020	.020	1/3/91	KJ		
	J) Assemble Stock				1/17/91	RW		
	K) Assemble Swivel Studs				2-1-91	K		
	L) Attach Front and Rear Sight Assemblies				1/17/91	RW		
	M) Iron Sight Alignment				1/17/91	RW		
	N) Detach Front & Rear Sights & place in numbered container				1/17/91	RW		
	O) Attach Scope to Rifle				1/17/91	RW		
	P) Detach & Attach Scope 20 Times				1/17/91	RW		
640	Gallery Target & Test				1-18-91	AC		
	A) Time				1-18-91	AC		
	B) Malfunctions				1-18-91	AC		
	C) Pierced Primers				1-18-91	AC		
	D) Optical Clarity of Scope				1-18-91	AC		
645	Inspect for Live Ammo				1-18-91	AC		
655	Final Inspection							
	A) Headspace				2-1-91	K		
	B) Trigger Pull	2.59	2.60	2.45	2.38	2.24	1-23-91	JH
	C) Function						2-1-91	K
660	Pack						3/15/91	WB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6587734

DATE 1-4-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.47	2.55	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.43	2.62	2.60	
PULL #3	2.43	2.43	2.57	2.45	
PULL #4	2.45	2.46	2.58	2.38	
PULL #5	2.40	2.48	2.62	2.24	
TOTAL	12.12	12.27	12.94		
AVG.	2.42	2.45	2.58		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.23		
PULL #2	3.26	3.10		
PULL #3	3.24	3.22		
PULL #4	3.22	3.19		
PULL #5	3.24	3.23		
TOTAL	16.23	15.97		
AVG.	3.24	3.19		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.26		4.36
PULL #2	4.34	4.31		4.30
PULL #3	4.29	4.30		4.30
PULL #4	4.24	4.24		4.28
PULL #5	4.32	4.30		4.33
TOTAL	21.57	21.41		21.57
AVG.	4.31	4.28		4.31

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587734
18 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.304921
1 TO	2	.234303
1 TO	3	.251181
1 TO	4	.163233
1 TO	5	.414307

54 <----POA

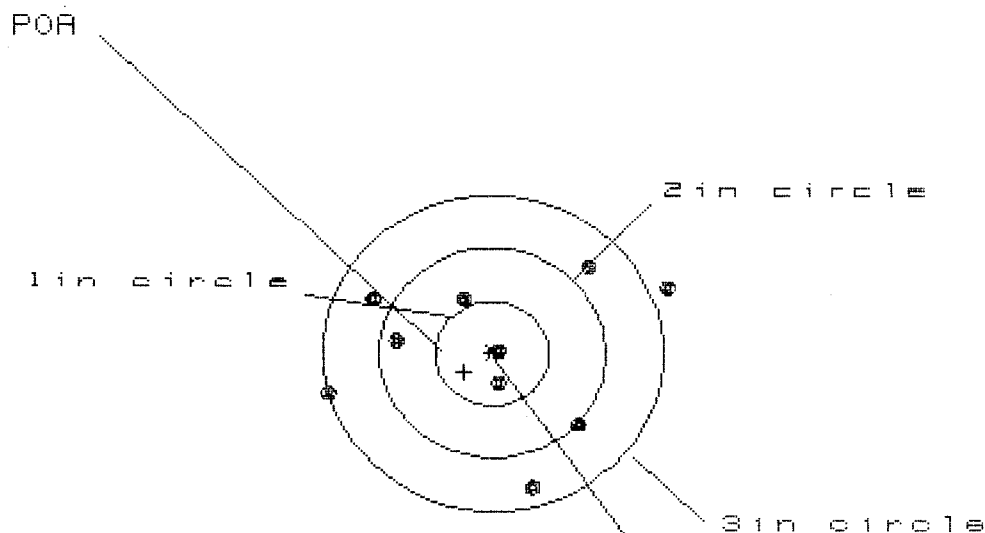
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1122
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0934
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .145988
THE AM FOR THIS RIFLE IS: .8872

(5 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587734

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.934

VS= 2.155

GS= 3.111

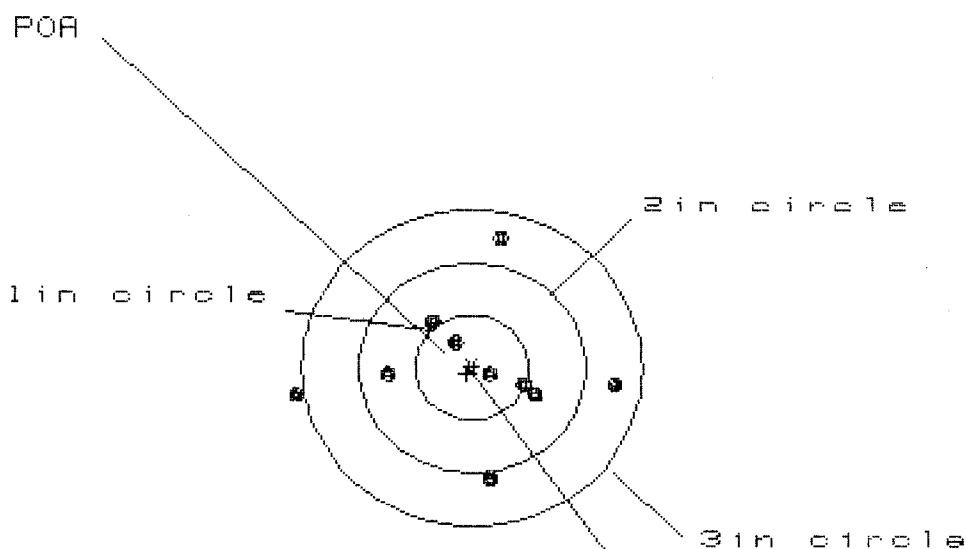
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.530	.984	.829
MINIMUM X	:	-1.404	-1.234	-1.078
MAXIMUM Y	:	.832	.902	.861
MINIMUM Y	:	-1.323	-1.253	-1.294
CENTROID X	:	.249	.079	.234
CENTROID Y	:	.176	.106	.147
POA TO CENTROID in.	:	.305	.132	.276
MIN RADIUS	:	.066	.242	.098
MEAN RADIUS	:	.962	.889	.816
MAX RADIUS	:	1.655	1.356	1.345
HORIZONTAL SPREAD	:	2.934	2.218	1.907
VERTICAL SPREAD	:	2.155	2.155	2.155
EXTREME SPREAD	:	3.111	2.538	2.356
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8587734

CENTERFIRE PATTERNS # 2



OF SHOTS-- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.807

VS= 2.299

GS= 2.809

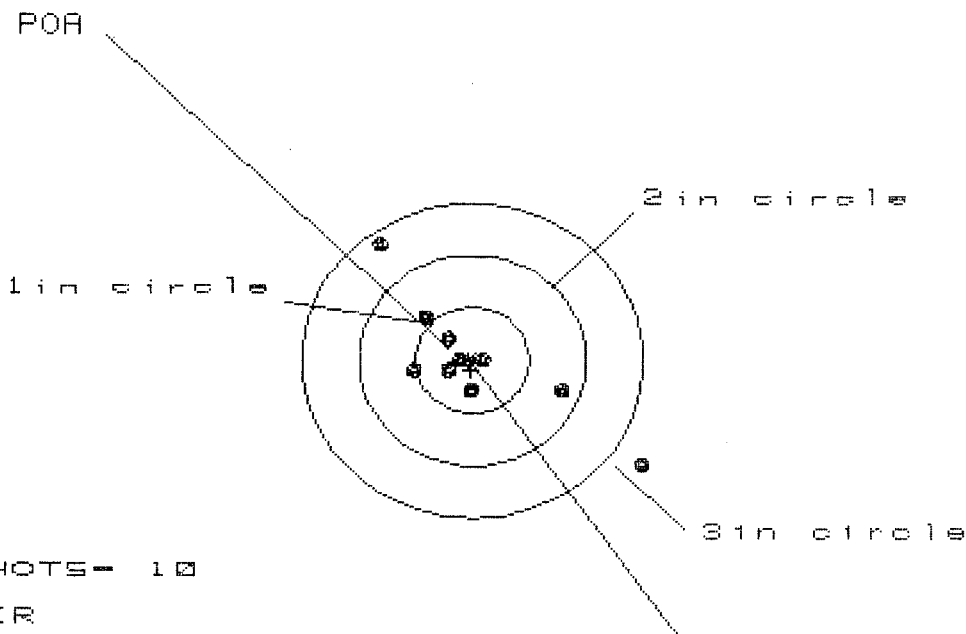
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.254	1.082	1.097
MINIMUM X	:	-1.553	-.958	-.944
MAXIMUM Y	:	1.285	1.260	.554
MINIMUM Y	:	-1.014	-1.039	-.881
CENTROID X	:	.046	.218	.204
CENTROID Y	:	.059	.084	-.074
POA TO CENTROID in.	:	.074	.234	.216
MIN RADIUS	:	.174	.090	.069
MEAN RADIUS	:	.817	.715	.630
MAX RADIUS	:	1.569	1.266	1.097
HORIZONTAL SPREAD	:	2.807	2.040	2.040
VERTICAL SPREAD	:	2.299	2.299	1.435
EXTREME SPREAD	:	2.809	2.302	2.041
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587734

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 5

2in = 8

3in = 9

HS= 2.352

VS= 2.119

GS= 3.166

CENTROID #

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.504	.942	.857
MINIMUM X	:	-.848	-.681	-.442
MAXIMUM Y	:	1.090	.976	.452
MINIMUM Y	:	-1.029	-.400	-.279
CENTROID X	:	.013	-.154	-.069
CENTROID Y	:	.090	.204	.083
POA TO CENTROID in.	:	.091	.256	.108
MIN RADIUS	:	.075	.084	.039
MEAN RADIUS	:	.615	.456	.345
MAX RADIUS	:	1.822	1.190	.901
HORIZONTAL SPREAD	:	2.352	1.623	1.299
VERTICAL SPREAD	:	2.119	1.376	.730
EXTREME SPREAD	:	3.166	2.128	1.373
NUMBER IN ONE INCH CIRCLE	=	5		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	9		

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587734

CENTERFIRE PATTERNS

4

FOR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS = 2.537

VS = 3.044

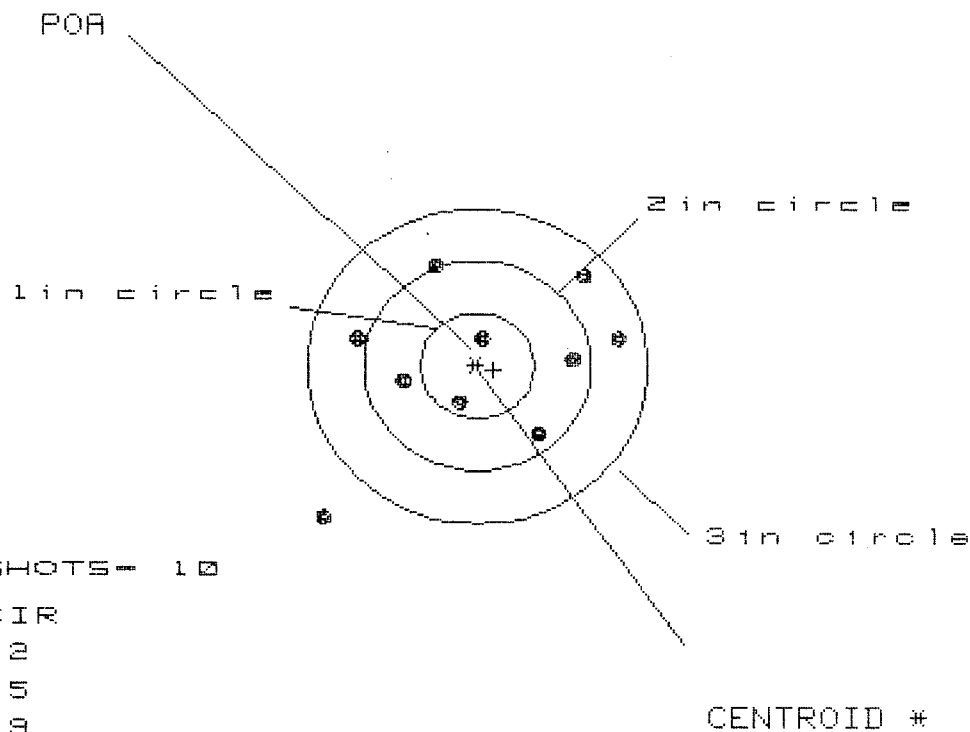
GS = 3.283

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.358	1.373	1.497
MINIMUM X	:	-1.179	-1.164	-.993
MAXIMUM Y	:	1.195	.989	.962
MINIMUM Y	:	-1.849	-1.315	-1.191
CENTROID X	:	.395	.380	.209
CENTROID Y	:	.103	.309	.185
POA TO CENTROID in.	:	.408	.490	.279
MIN RADIUS	:	.240	.250	.085
MEAN RADIUS	:	1.081	.987	.846
MAX RADIUS	:	1.854	1.692	1.576
HORIZONTAL SPREAD	:	2.537	2.537	2.490
VERTICAL SPREAD	:	3.044	2.304	2.153
EXTREME SPREAD	:	3.283	3.020	2.690
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587734

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.622

VS= 2.413

GS= 3.321

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.248	1.095	1.195
MINIMUM X	-1.375	-1.234	-1.134
MAXIMUM Y	.929	.764	.854
MINIMUM Y	-1.484	-.836	-.746
CENTROID X	-.142	.011	-.089
CENTROID Y	.039	.204	.114
POA TO CENTROID in.	.147	.205	.145
MIN RADIUS	.227	.109	.145
MEAN RADIUS	.961	.828	.783
MAX RADIUS	2.023	1.242	1.209
HORIZONTAL SPREAD	2.622	2.329	2.329
VERTICAL SPREAD	2.413	1.600	1.600
EXTREME SPREAD	3.321	2.329	2.329
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	