

C6522276

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Serial Number: **C6522276**
Model: **M24 SWS**



RE00102768

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522276.___0
FILE DATE AND TIME: 12/01/2005 23:10

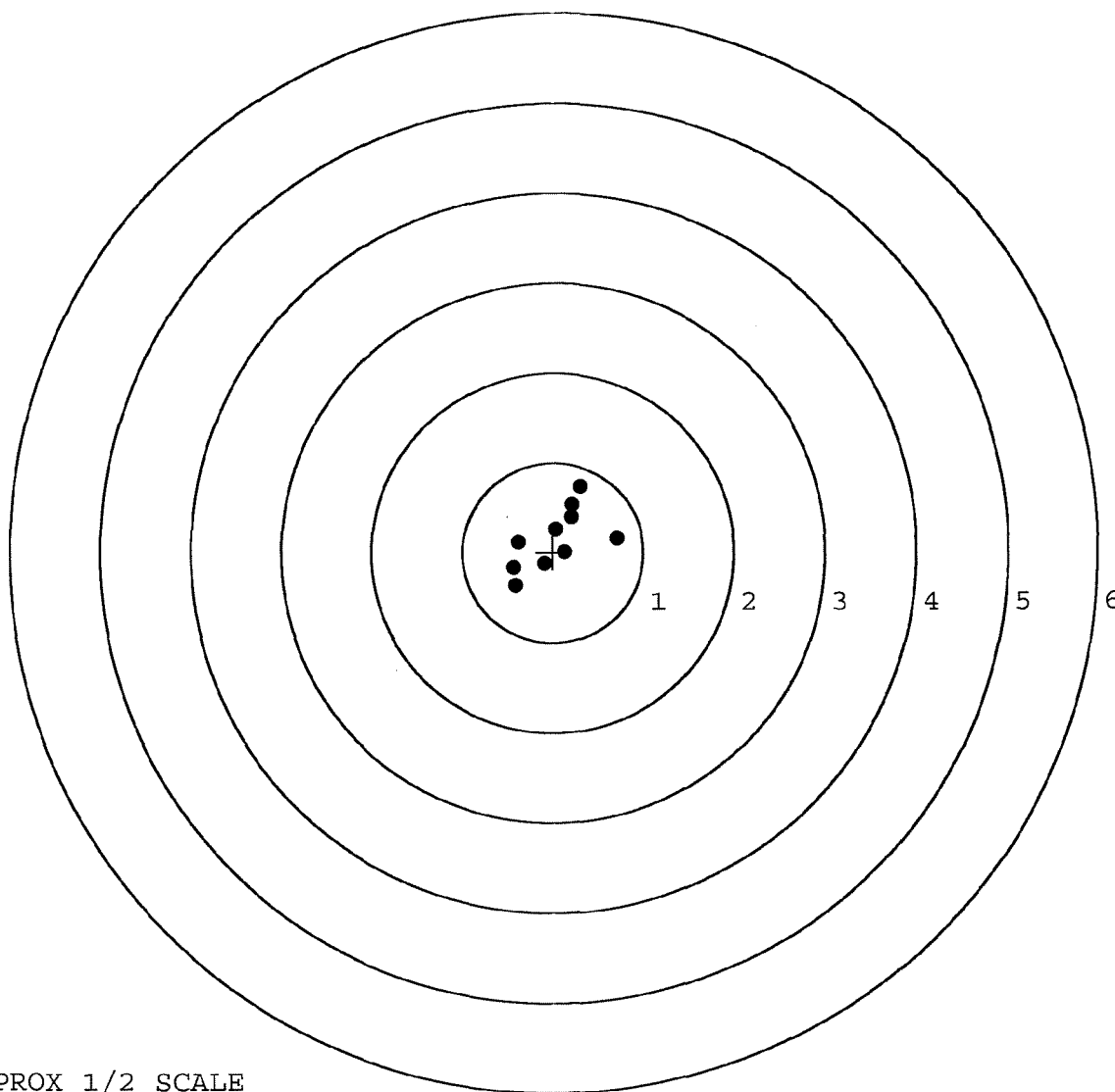
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.046
The Average Y Centroid of the Five Target Set:	0.083
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.538
The Distance from POA to Centroid Target #1:	0.154
The Distance from Centroid Target #2 to Centroid Target #1:	0.361
The Distance from Centroid Target #3 to Centroid Target #1:	0.199
The Distance from Centroid Target #4 to Centroid Target #1:	0.202
The Distance from Centroid Target #5 to Centroid Target #1:	0.094

SERIAL NUMBER: C6522276. __0
TARGET NUMBER: 1
FILE DATE: 12/01/2005
FILE TIME: 23:10

X CENTROID: 0.027
Y CENTROID: 0.152
POA TO CENTROID: 0.154
HORZ SPREAD: 1.145
VERT SPREAD: 1.108
GROUP SPREAD: 1.321
MIN RADIUS: 0.105
MAX RADIUS: 0.683
MEAN RADIUS: 0.432
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.709	0.158
2:	0.306	0.738
3:	0.212	0.533
4:	0.204	0.392
5:	0.037	0.256
6:	0.131	-0.004
7:	-0.098	-0.133
8:	-0.414	-0.370
9:	-0.436	-0.171
10:	-0.386	0.118

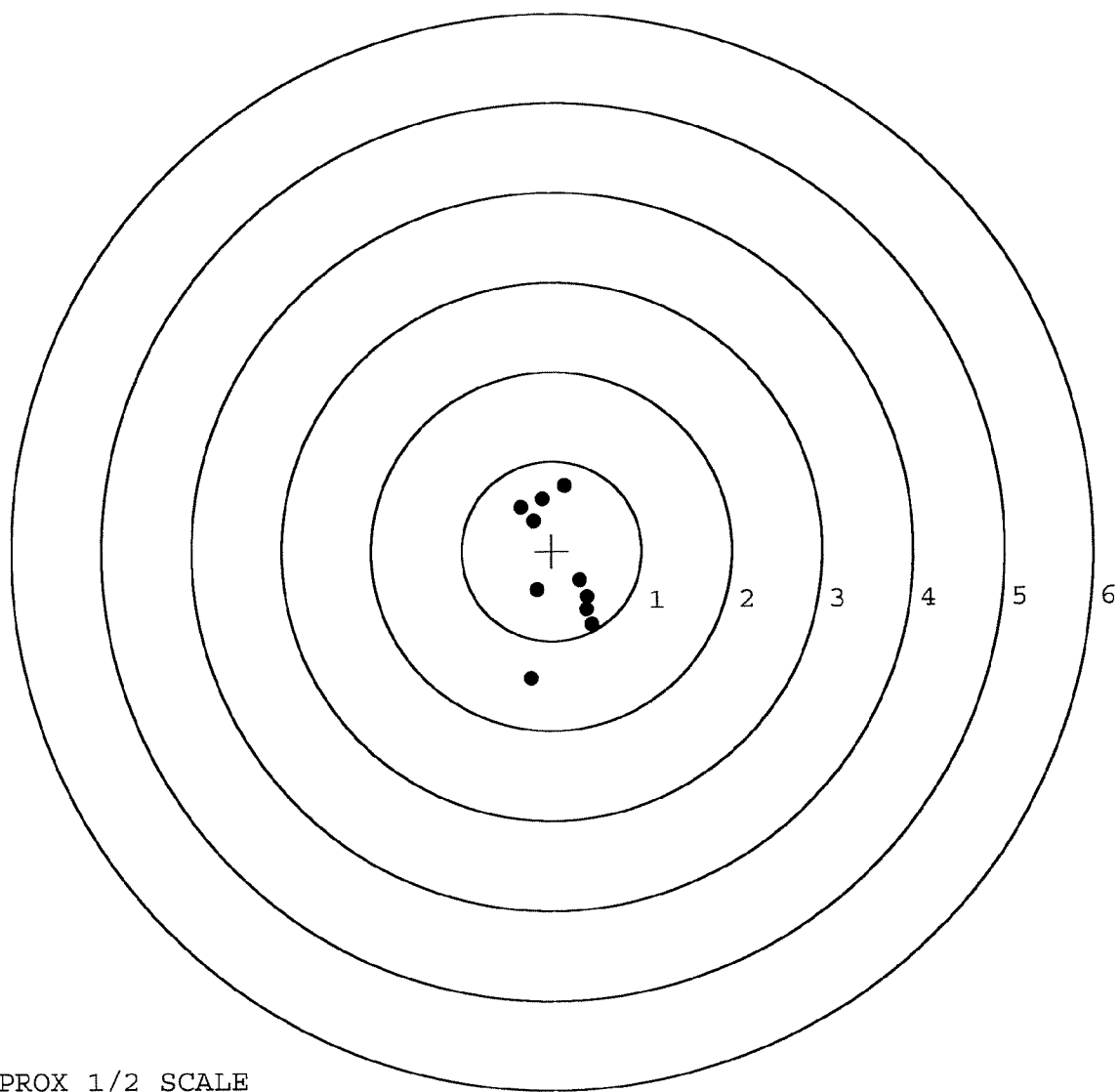


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522276. __0
TARGET NUMBER: 2
FILE DATE: 12/01/2005
FILE TIME: 23:10

X CENTROID: 0.061
Y CENTROID: -0.208
POA TO CENTROID: 0.217
HORZ SPREAD: 0.789
VERT SPREAD: 2.151
GROUP SPREAD: 2.188
MIN RADIUS: 0.276
MAX RADIUS: 1.256
MEAN RADIUS: 0.672
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.202	0.327
2:	-0.345	0.485
3:	0.153	0.725
4:	0.308	-0.332
5:	0.387	-0.518
6:	0.444	-0.821
7:	-0.167	-0.437
8:	-0.245	-1.426
9:	0.386	-0.657
10:	-0.105	0.575

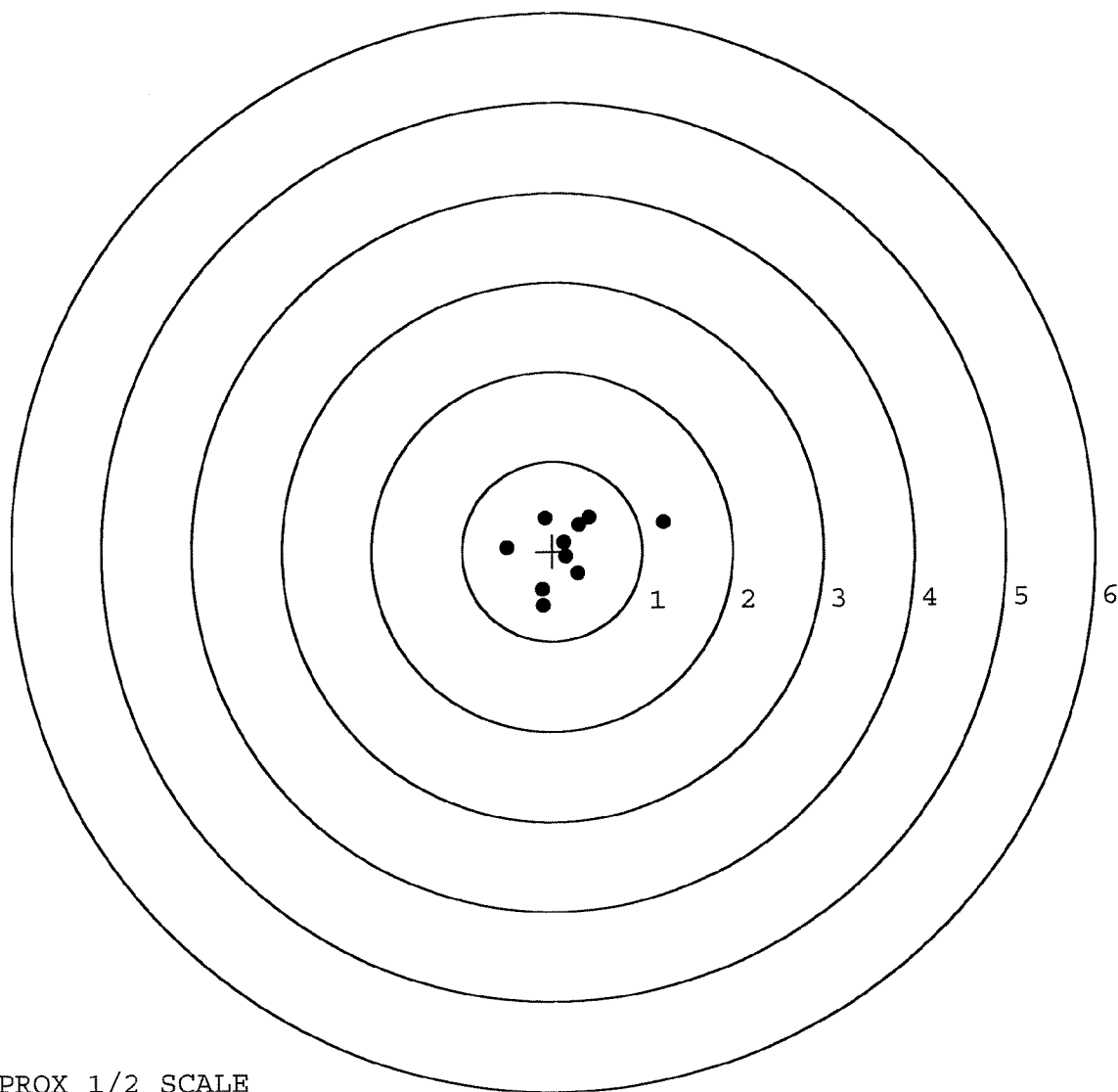


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522276.___0
TARGET NUMBER: 3
FILE DATE: 12/01/2005
FILE TIME: 23:10

X CENTROID: 0.169
Y CENTROID: 0.013
POA TO CENTROID: 0.170
HORZ SPREAD: 1.746
VERT SPREAD: 0.983
GROUP SPREAD: 1.766
MIN RADIUS: 0.075
MAX RADIUS: 1.106
MEAN RADIUS: 0.463
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.282	-0.252
2:	0.412	0.375
3:	0.298	0.287
4:	-0.083	0.371
5:	-0.511	0.044
6:	-0.115	-0.431
7:	-0.112	-0.608
8:	1.235	0.307
9:	0.151	-0.060
10:	0.133	0.098

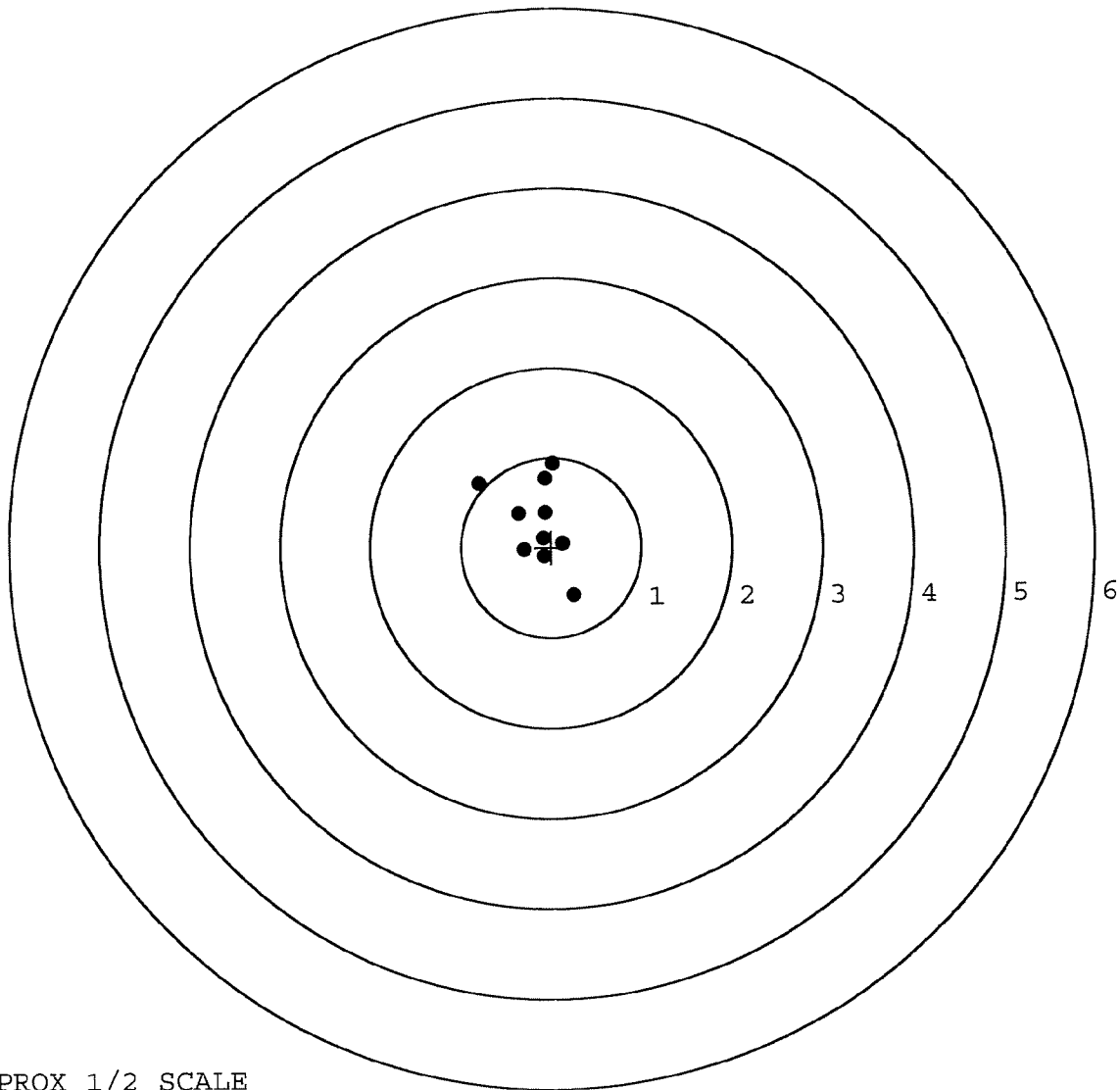


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522276.___0
TARGET NUMBER: 4
FILE DATE: 12/01/2005
FILE TIME: 23:10

X CENTROID: -0.139
Y CENTROID: 0.268
POA TO CENTROID: 0.302
HORZ SPREAD: 1.045
VERT SPREAD: 1.471
GROUP SPREAD: 1.635
MIN RADIUS: 0.141
MAX RADIUS: 0.891
MEAN RADIUS: 0.451
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.026	0.935
2:	-0.068	0.770
3:	-0.800	0.721
4:	0.245	-0.536
5:	0.124	0.044
6:	-0.086	-0.102
7:	-0.304	-0.028
8:	-0.361	0.384
9:	-0.072	0.392
10:	-0.093	0.103



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522276. __0

TARGET NUMBER: 5

FILE DATE: 12/01/2005

FILE TIME: 23:10

POINT#	X	Y
1:	0.023	0.295
2:	-0.064	0.496
3:	-0.194	0.707
4:	0.298	0.478
5:	0.677	0.466
6:	0.344	1.337
7:	-0.046	-0.356
8:	0.099	-0.878
9:	-0.469	-1.094
10:	0.449	0.452

X CENTROID: 0.112

Y CENTROID: 0.190

POA TO CENTROID: 0.221

HORZ SPREAD: 1.146

VERT SPREAD: 2.431

GROUP SPREAD: 2.563

MIN RADIUS: 0.137

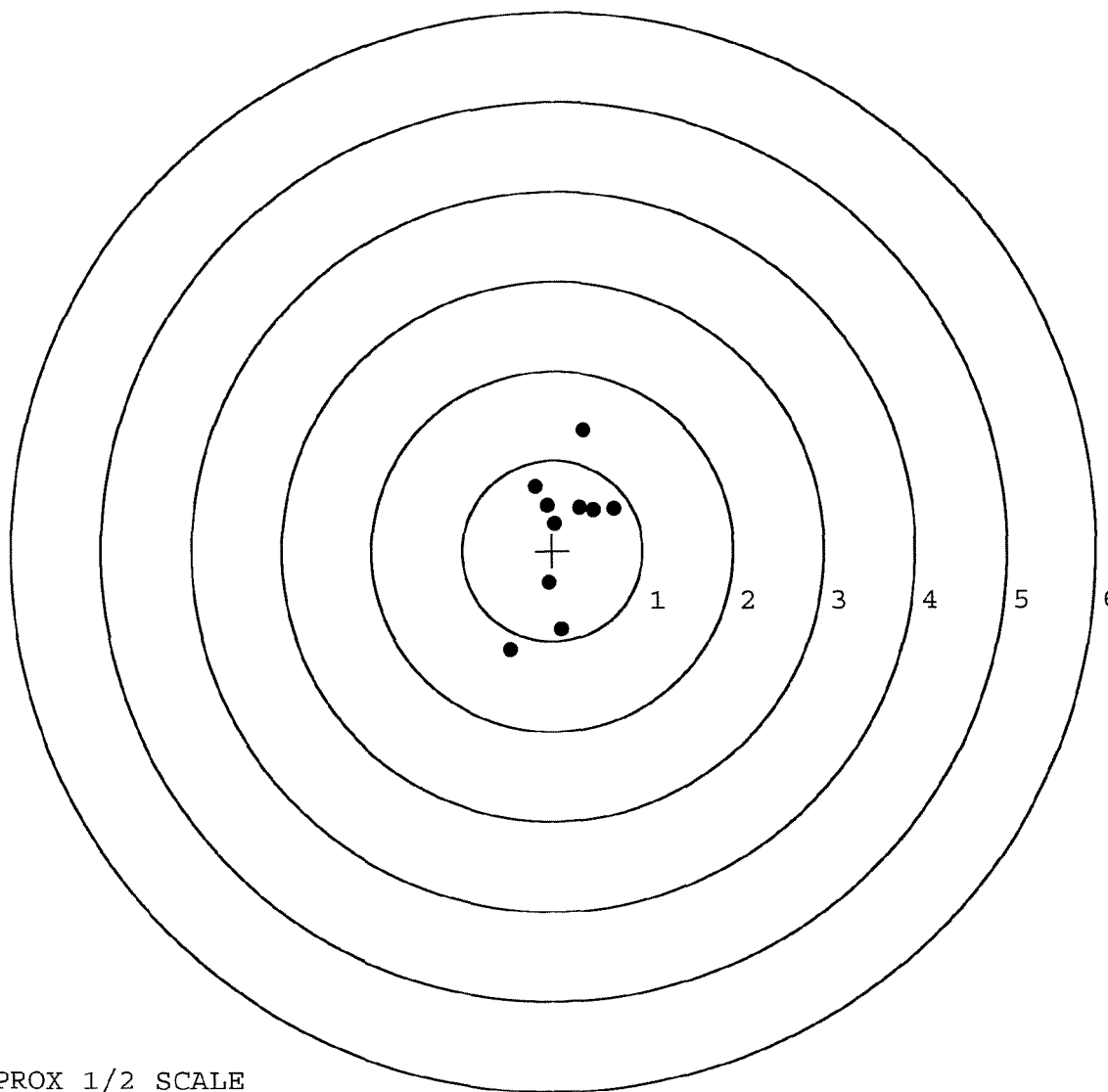
MAX RADIUS: 1.409

MEAN RADIUS: 0.671

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	1021768		Camp Shelby	
SERIAL NUMBER	C6522276			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-3-05	AC
505	RE-BARREL		11-8-05	AL
560	ASSEMBLE		11-15-05	CD
600	PROOF	MAGNA-FLUX INSPECTED NOV 18 2005	11-15-05	CD
605	CHECK HEADSPACE		11-15-05	CD
610	DIS-ASSEMBLE GUN		11-15-05	CD
612	MAGNAFLUX	OPERATOR <u>unmet</u>	11/18/05	unmet
510	DRILL AND TAP		11-17-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11/22/05	FB
625	FINAL ASSEMBLY		11-29-05	RTL
640	FUNCTION TEST AND	PASS FAIL	12/1/05	MPJ
650	TARGET	PASS FAIL	12-2-05	AC
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		12-2-05	AC
	A) HEADSPACE	PASS FAIL	12-2-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	4 lbs 4 lbs 4 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	4 lbs 4 lbs 4 lbs	AC
	I) FIRING PIN INDENT	.020	.025 .025 .025	
690	PACK		12-3-05	RTL

Remington®



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

MODEL 700™ M24

SERIAL NO.
C6522276

ORDER NO.
5716

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

01



5716 C6522276

UPC



0 47700 25716 7

CAN 712

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C0522274

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/22/90	Kcd
	Magnaflux Bolt		8/22/90	Kcd
615	Rollmark Caliber		8/22/90	GS
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8-22-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/11/90	W.B

op. #	OP. NAME	READINGS					DATE	INIT
625 nt.	F) Safety On Force	5	5	5			9/11/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/11/90	WB
	H) Trigger Pull Test & Retainability						9/11/90	WB
	I) Firing Pin Indent	.023	.023	.023			9/11/90	WB
	J) Assemble Stock						9/11/90	RW
	K) Assemble Swivel Studs						9/15/90	JS
	L) Attach Front and Rear Sight Assemblies						9/11/90	RW
	M) Iron Sight Alignment						9/11/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/11/90	RW
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						9/13/90	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						9/13/90	NF
655	Final Inspection							
	A) Headspace						9/15/90	JS
	B) Trigger Pull	2-41	2-17	2-49	2-41	2-41	9-15-90	JS
	C) Function						9/15/90	JS
660	Pack						9/10/90	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522276

DATE 9/11/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.37	2.46	2.41	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.18	2.60	2.17	
PULL #3	2.42	2.38	2.49	2.49	
PULL #4	2.53	2.32	2.74	2.41	
PULL #5	2.55	2.31	2.74	2.41	
TOTAL	12.30	11.56	12.03	11.89	
AVG.	2.46	2.31	2.41	2.378	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.03	2.80		
PULL #2	2.95	2.70		
PULL #3	2.85	2.90		
PULL #4	2.85	2.80		
PULL #5	3.02	2.75		
TOTAL	14.70	13.95		
AVG.	2.94	2.81		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	3.95		4.16
PULL #2	3.95	4.03		4.12
PULL #3	4.06	3.90		4.12
PULL #4	4.01	3.90		4.06
PULL #5	3.95	3.95		4.07
TOTAL	20.05	19.73		20.53
AVG.	4.01	3.94		4.10

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522276
13 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.206022
1 TO	2	.230035
1 TO	3	.171686
1 TO	4	.287068
1 TO	5	.350538

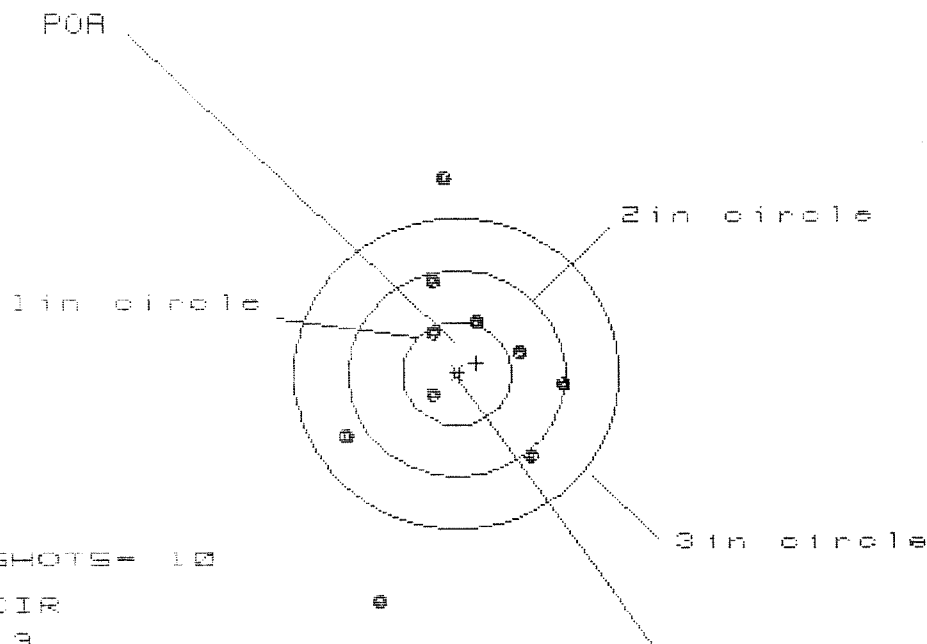
$\frac{1}{12}$ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0204
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0012
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0204353
THE AMR FOR THIS RIFLE IS: 1.135

13 Sep 1938

FILE:/PATTERNING/CENTERFIRE_PATT/06522276

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 1.854

VS= 4.179

GS= 4.230

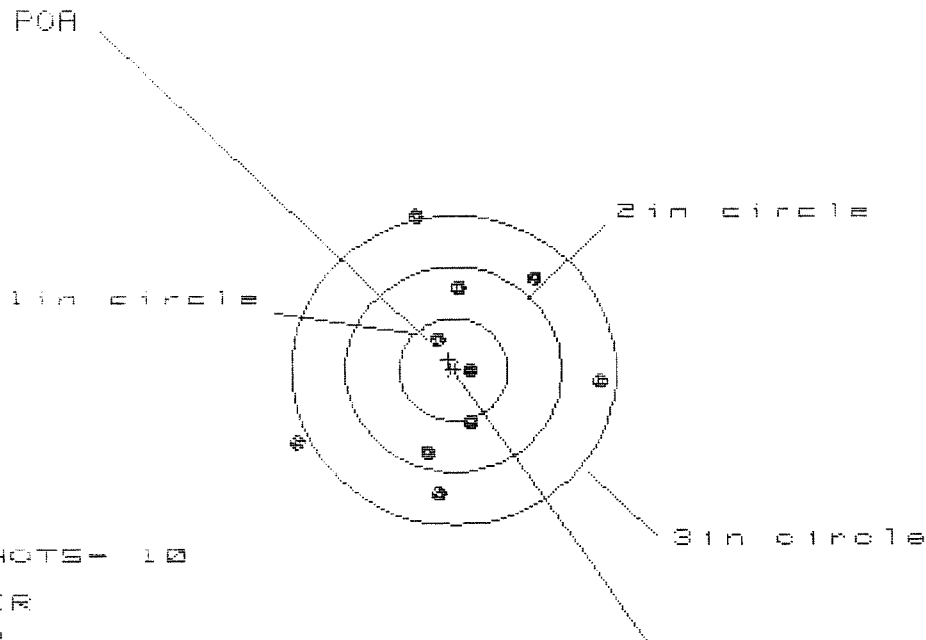
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.957	.875	.854
MINIMUM X	:	-.997	-1.079	-1.100
MAXIMUM Y	:	1.933	1.683	.830
MINIMUM Y	:	-2.246	-1.068	-.857
CENTROID X	:	-.179	-.097	-.076
CENTROID Y	:	-.102	.148	-.063
POA TO CENTROID in.	:	.206	.177	.099
MIN RADIUS	:	.282	.223	.383
MEAN RADIUS	:	1.025	.832	.734
MAX RADIUS	:	2.364	1.691	1.252
HORIZONTAL SPREAD	:	1.954	1.954	1.954
VERTICAL SPREAD	:	4.179	2.751	1.687
EXTREME SPREAD	:	4.230	2.851	2.006
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522276

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.778

VS= 2.655

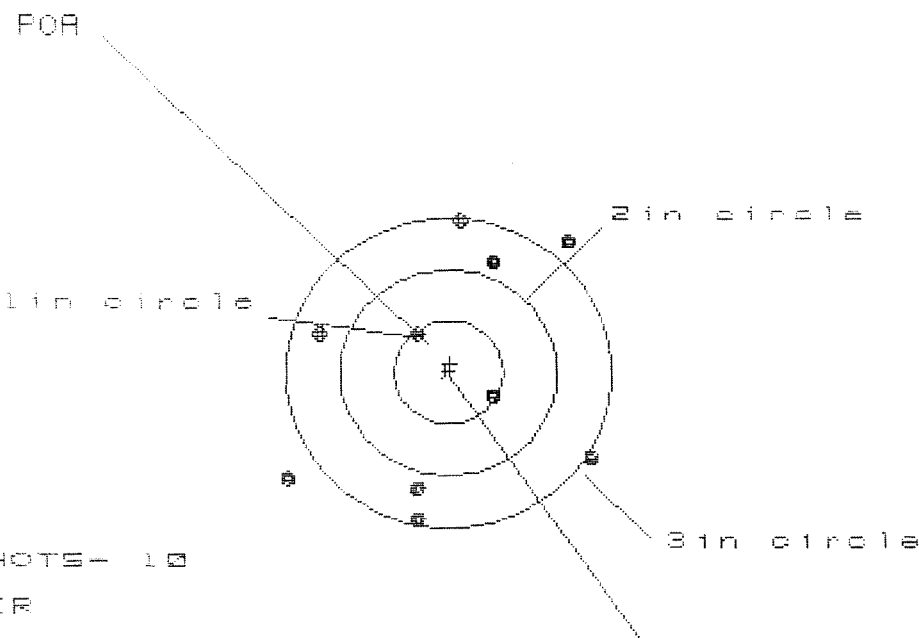
GS= 2.841

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.299	1.135	1.070
MINIMUM X	:	-1.479	-1.522	-1.485
MAXIMUM Y	:	1.476	1.394	.946
MINIMUM Y	:	-1.179	-1.261	-1.086
CENTROID X	:	.051	.215	.280
CENTROID Y	:	-.098	-.016	-.191
POA TO CENTROID in.	:	.110	.216	.339
MIN RADIUS	:	.150	.099	.111
MEAN RADIUS	:	.952	.862	.776
MAX RADIUS	:	1.651	1.489	1.139
HORIZONTAL SPREAD	:	2.778	1.657	1.555
VERTICAL SPREAD	:	2.655	2.655	2.032
EXTREME SPREAD	:	2.841	2.666	2.188
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522276

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 7

HS= 2.838

VS= 2.903

GS= 3.445

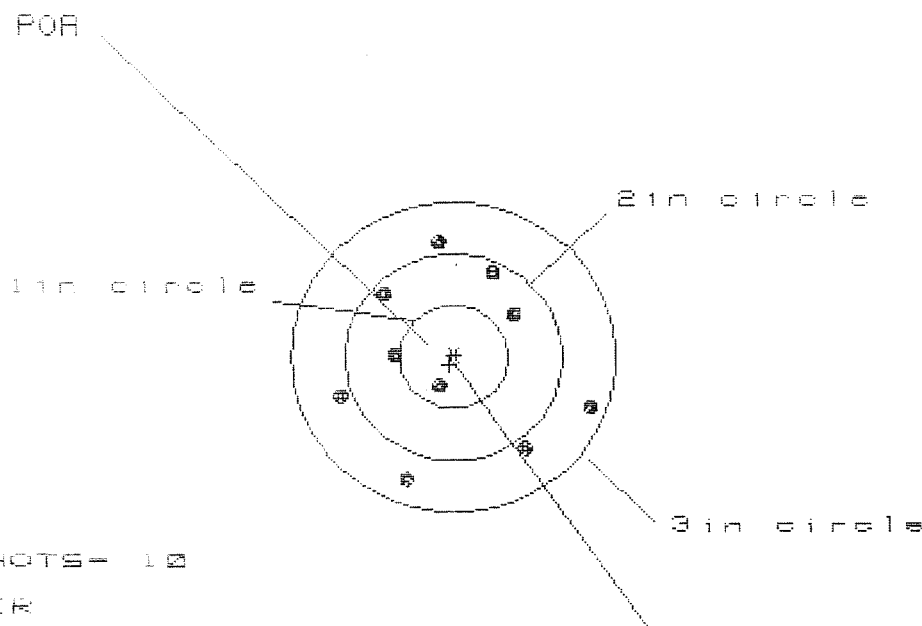
CENTROID #

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.343	1.177	1.296
MINIMUM X	-1.495	-1.313	-1.194
MAXIMUM Y	1.455	1.346	1.489
MINIMUM Y	-1.448	-1.557	-1.414
CENTROID X	-0.009	.157	.039
CENTROID Y	-.078	.031	-.112
POA TO CENTROID in.	.079	.160	.119
MIN RADIUS	.477	.468	.458
MEAN RADIUS	1.251	1.179	1.130
MAX RADIUS	1.792	1.614	1.534
HORIZONTAL SPREAD	2.838	2.490	2.490
VERTICAL SPREAD	2.903	2.903	2.903
EXTREME SPREAD	3.445	3.036	2.927
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		2	
NUMBER IN THREE INCH CIRCLE =		7	

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522276

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.347

VS= 2.300

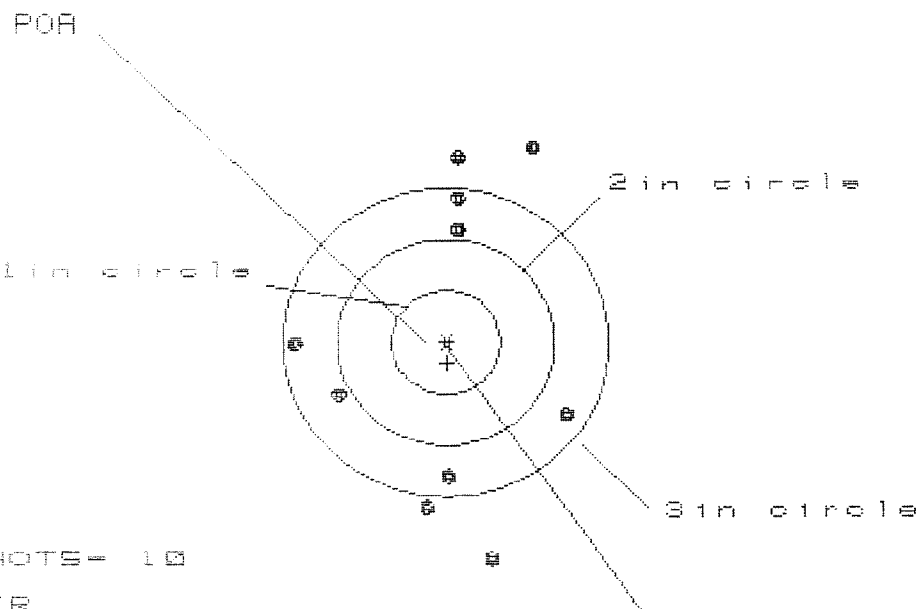
GS= 2.348

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.301	.782	.748
MINIMUM X	-1.046	-.902	-.936
MAXIMUM Y	1.144	1.093	.942
MINIMUM Y	-1.156	-1.207	-1.042
CENTROID X	.043	-.101	-.067
CENTROID Y	.000	.131	.282
POA TO CENTROID in.	.091	.166	.290
MIN RADIUS	.314	.346	.478
MEAN RADIUS	.938	.871	.817
MAX RADIUS	1.300	1.238	1.283
HORIZONTAL SPREAD	2.347	1.684	1.684
VERTICAL SPREAD	2.300	2.300	1.984
EXTREME SPREAD	2.348	2.319	2.124
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522276

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 0

3 in = 6

HS= 2.484

VS= 4.019

GS= 4.036

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.102	1.146	1.246
MINIMUM X	:	-1.382	-1.338	-1.238
MAXIMUM Y	:	1.930	1.697	1.732
MINIMUM Y	:	-2.089	-1.791	-1.578
CENTROID X	:	-.008	-.052	-.152
CENTROID Y	:	.204	.437	.224
POA TO CENTROID in.:	:	.205	.440	.271
MIN RADIUS	:	1.079	.858	1.018
MEAN RADIUS	:	1.507	1.419	1.348
MAX RADIUS	:	2.126	1.878	1.751
HORIZONTAL SPREAD	:	2.484	2.484	2.484
VERTICAL SPREAD	:	4.019	3.488	3.310
EXTREME SPREAD	:	4.036	3.623	3.327
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		0	
NUMBER IN THREE INCH CIRCLE	=		6	