



06498809



MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00115157

Serial: C6498809 Model M24 SWS Center Fire
Caliber: 308 Produced: 06/19/1990

Repairman:

Verify Repair

Status:

Closed 7/31/2006 1:38:24 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: USPFO FOR COLORADO

USPFO FOR COLORADO

Address 1: 1181 KILMER STREET

1181 KILMER STREET

Address 2: PO Box:

PO Box:

City: GOLDEN

GOLDEN

State: CO

Zip Code: 80401

Country: US

State: CO

Zip Code: 80401

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
B000	FRONT AND REAR E	1

Repair Search

Refresh

Close

naglej

8/1/2006

7:31 AM

CAPS

NUM

INS

SCRL



Serial Number:

C6498809

Model: M24 SWS



RE00115157

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498809.___0
FILE DATE AND TIME: 08/15/2006 20:39

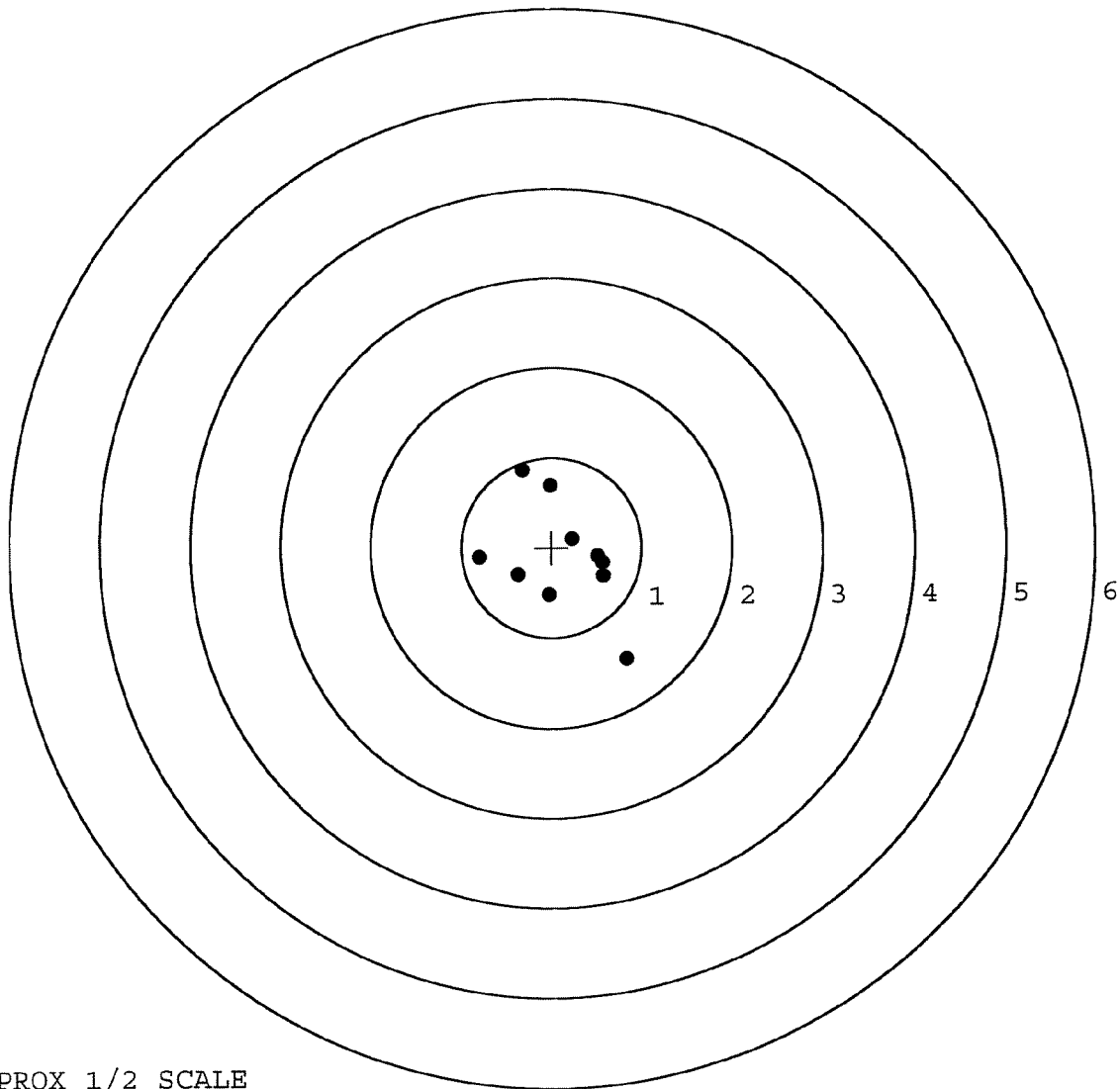
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.000
The Average Y Centroid of the Five Target Set:	0.051
The Average Point of Impact of the Five Target Set:	0.051
The Average Mean Radius of the Five Target Set:	0.672
The Distance from POA to Centroid Target #1:	0.161
The Distance from Centroid Target #2 to Centroid Target #1:	0.236
The Distance from Centroid Target #3 to Centroid Target #1:	0.302
The Distance from Centroid Target #4 to Centroid Target #1:	0.360
The Distance from Centroid Target #5 to Centroid Target #1:	0.234

SERIAL NUMBER: C6498809. 0
 TARGET NUMBER: 1
 FILE DATE: 08/15/2006
 FILE TIME: 20:39

X CENTROID: 0.114
 Y CENTROID: -0.114
 POA TO CENTROID: 0.161
 HORZ SPREAD: 1.628
 VERT SPREAD: 2.111
 GROUP SPREAD: 2.402
 MIN RADIUS: 0.238
 MAX RADIUS: 1.339
 MEAN RADIUS: 0.670
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.321	0.863
2:	-0.020	0.693
3:	-0.802	-0.111
4:	-0.376	-0.301
5:	0.224	0.097
6:	-0.040	-0.531
7:	0.826	-1.248
8:	0.572	-0.324
9:	0.565	-0.175
10:	0.508	-0.102

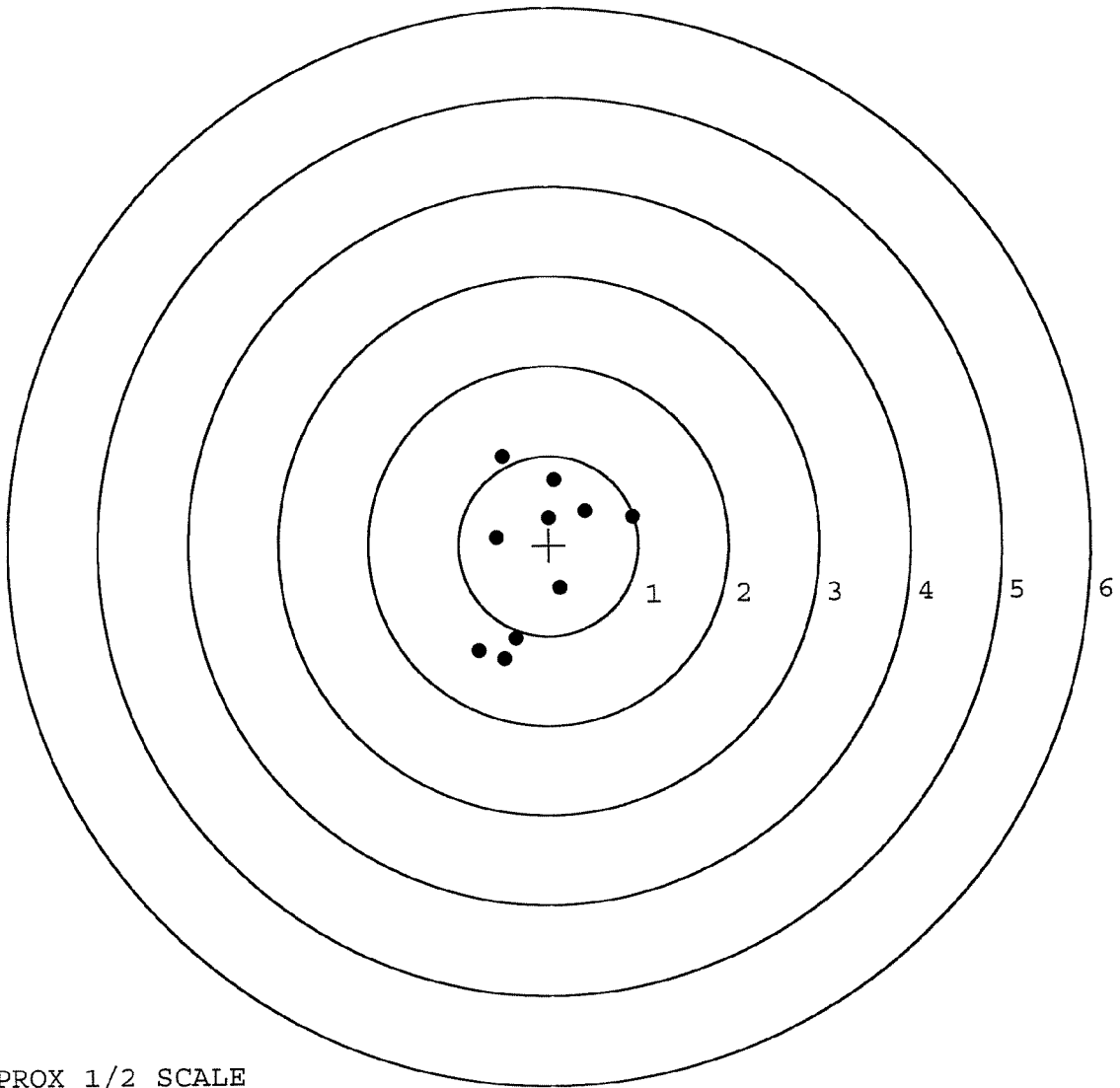


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498809. 0
 TARGET NUMBER: 2
 FILE DATE: 08/15/2006
 FILE TIME: 20:39

X CENTROID: -0.122
 Y CENTROID: -0.112
 POA TO CENTROID: 0.165
 HORZ SPREAD: 1.721
 VERT SPREAD: 2.257
 GROUP SPREAD: 2.267
 MIN RADIUS: 0.433
 MAX RADIUS: 1.242
 MEAN RADIUS: 0.868
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.509	0.998
2:	0.064	0.729
3:	0.006	0.302
4:	-0.584	0.093
5:	0.407	0.380
6:	0.937	0.313
7:	0.121	-0.478
8:	-0.375	-1.033
9:	-0.502	-1.259
10:	-0.784	-1.162

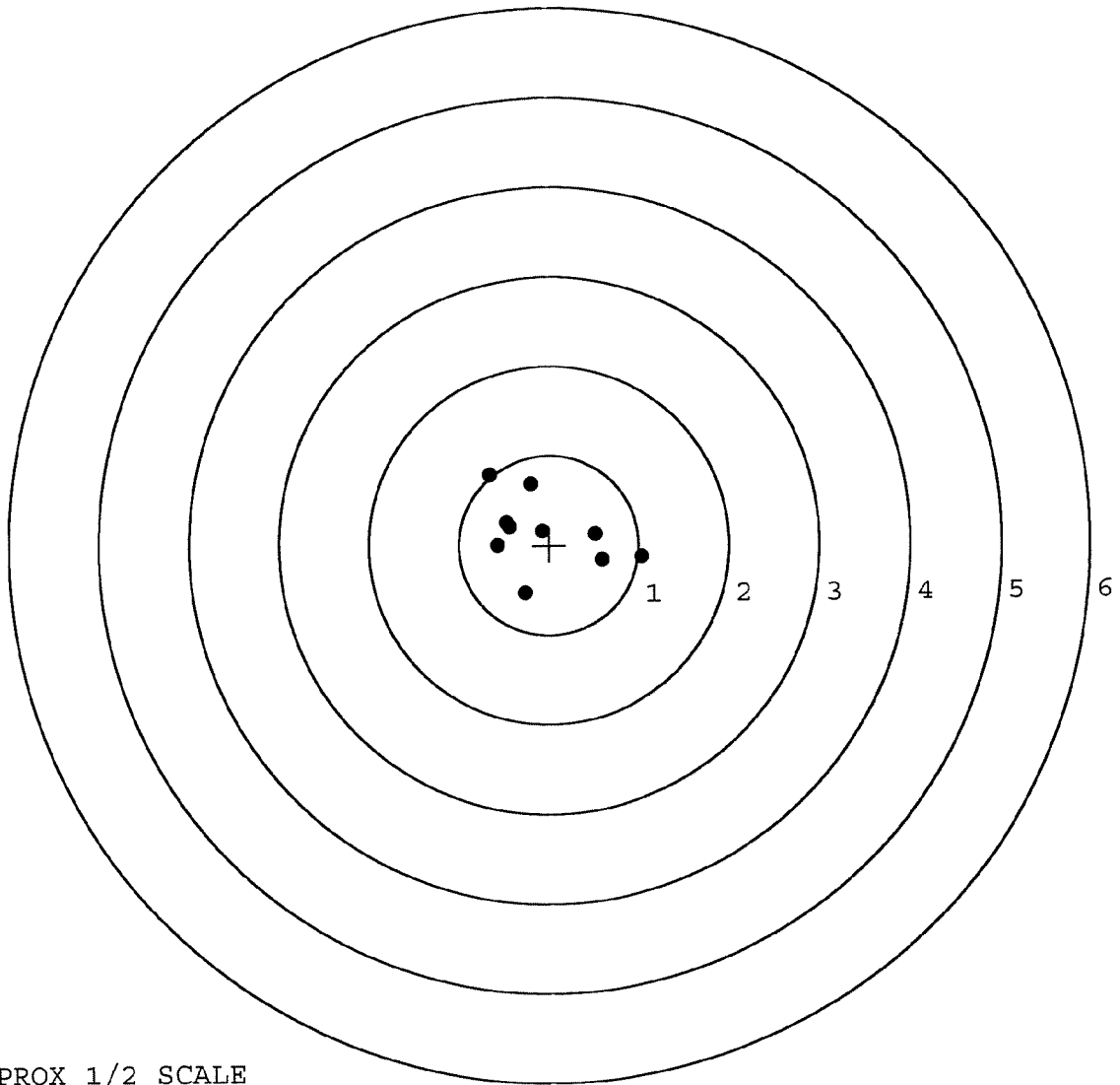


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498809. 0
 TARGET NUMBER: 3
 FILE DATE: 08/15/2006
 FILE TIME: 20:39

X CENTROID: -0.055
 Y CENTROID: 0.136
 POA TO CENTROID: 0.147
 HORZ SPREAD: 1.693
 VERT SPREAD: 1.327
 GROUP SPREAD: 1.935
 MIN RADIUS: 0.028
 MAX RADIUS: 1.127
 MEAN RADIUS: 0.597
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.036	-0.144
2:	0.593	-0.172
3:	0.514	0.122
4:	-0.267	-0.535
5:	-0.657	0.792
6:	-0.201	0.683
7:	-0.574	-0.004
8:	-0.443	0.207
9:	-0.075	0.156
10:	-0.477	0.259

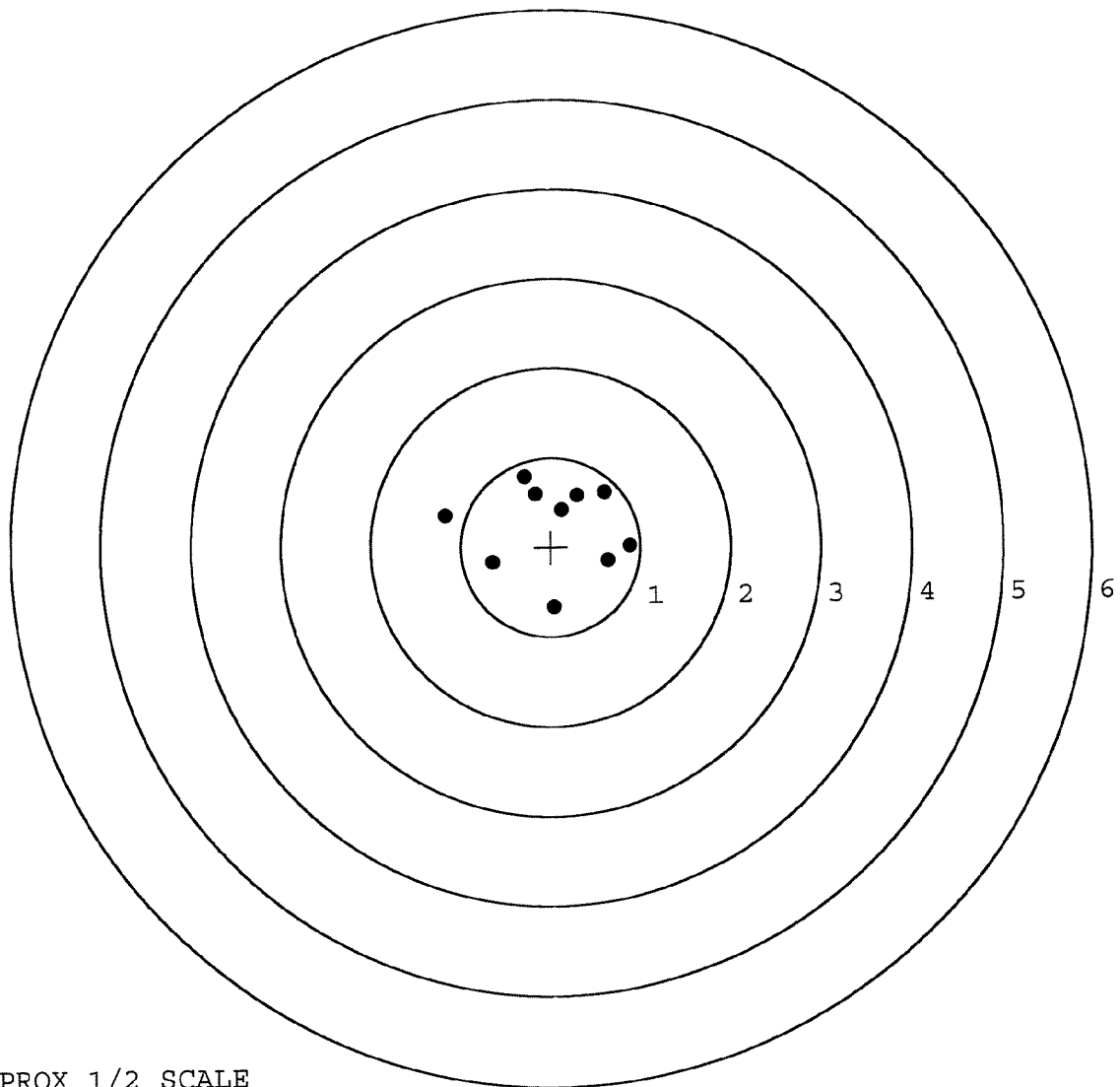


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498809. 0
 TARGET NUMBER: 4
 FILE DATE: 08/15/2006
 FILE TIME: 20:39

POINT#	X	Y
1:	-1.170	0.362
2:	-0.650	-0.173
3:	0.027	-0.674
4:	0.636	-0.158
5:	0.883	0.012
6:	0.605	0.610
7:	0.294	0.579
8:	0.121	0.419
9:	-0.287	0.789
10:	-0.167	0.596

X CENTROID: 0.029
 Y CENTROID: 0.236
 POA TO CENTROID: 0.238
 HORZ SPREAD: 2.053
 VERT SPREAD: 1.463
 GROUP SPREAD: 2.083
 MIN RADIUS: 0.205
 MAX RADIUS: 1.206
 MEAN RADIUS: 0.689
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

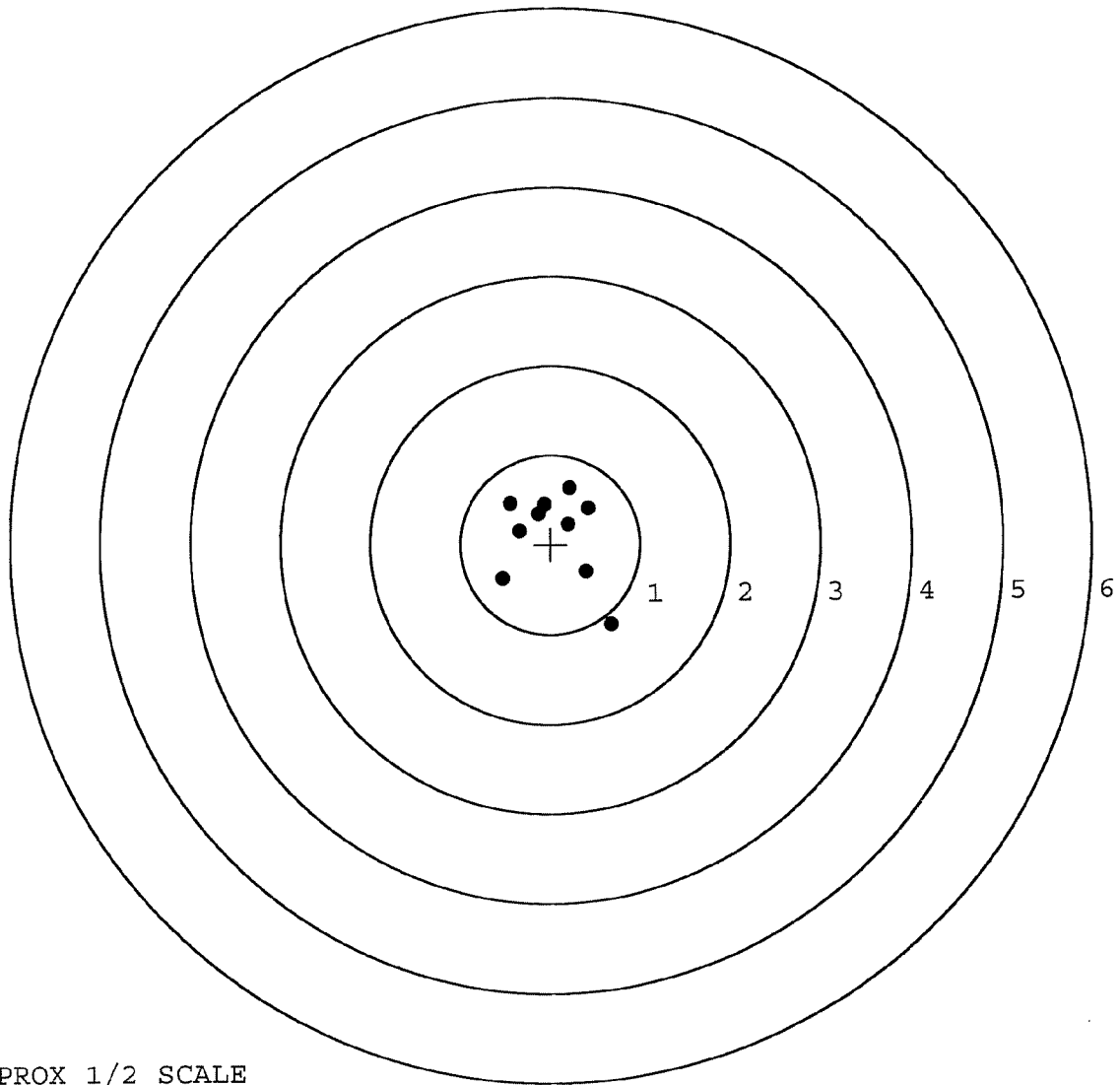


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498809. 0
 TARGET NUMBER: 5
 FILE DATE: 08/15/2006
 FILE TIME: 20:39

X CENTROID: 0.035
 Y CENTROID: 0.107
 POA TO CENTROID: 0.112
 HORZ SPREAD: 1.209
 VERT SPREAD: 1.531
 GROUP SPREAD: 1.763
 MIN RADIUS: 0.197
 MAX RADIUS: 1.189
 MEAN RADIUS: 0.538
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.671	-0.898
2:	0.396	-0.307
3:	-0.538	-0.385
4:	0.423	0.402
5:	0.216	0.633
6:	-0.453	0.460
7:	-0.353	0.150
8:	0.194	0.223
9:	-0.069	0.450
10:	-0.137	0.341



TARGET APPROX 1/2 SCALE

INSPECTION CHECKLIST - REPAIRS

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

R & E NUMBER	115157		
SERIAL NUMBER	C6498809		
LOG-IN DATE	7-31-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-7-06	RTZ
505	RE-BARREL	8-8-06	RTZ
420	ASSEMBLE	8-8-06	RTZ
440	PROOF	8-9-06	RLG
460	CHECK HEADSPACE	8-9-06	RLG
470	DIS-ASSEMBLE GUN	8-9-06	RLG
480	MAGNAFLUX	8-11-06	APD
510	DRILL AND TAP	8-10-06	TRW
500	ROLLMARK CALIBER	8-11-06	CW
520	GOFF BLAST BBL / REC	8-11-06	LB
530 & 540	APPLY COATINGS	8-13-06	RTZ
560	FINAL ASSEMBLY	8-15-06	RTZ
640	FUNCTION TEST AND	8-15-06	S.P.D.
650	TARGET	8-15-06	S.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	8-17-06	MTM
	A) HEADSPACE	8-17-06	MTM
	B) TRIGGER PULL	2.77 2.77 2.78 2.76 2.54 8-16-06	RTZ
680	F) SAFETY ON FORCE	4.5 5.0 4.5 8-16-06	RTZ
	G) SAFETY OFF FORCE	3.0 3.0 3.0 8-16-06	RTZ
	I) FIRING PIN INDENT	0.022 0.022 0.023 8-16-06	RTZ
690	PACK	9-22-06	RTZ

F006 REV 5/2006

BARREL ASSEMBLY

BARREL_____
RECEIVER_____
FRONT SIGHT BASE_____
REAR SIGHT BASE_____
SCREWS_____
FINISH

SCOPE ASSEMBLY

SCOPE_____
SCOPE RINGS_____
MOUNTING SCREWS_____
MOUNTING BASE_____
SCREWS_____
FINISH_____
CLARITY

STOCK ASSEMBLY

STOCK_____
SLING SWIVEL STUDS_____
BUTT PATE_____
LOCK NUTS_____
BARREL CLEARANCE_____
COLOR / FINISH

SYSTEM CASE

SCOPE CASE_____
IRON SIGHTS_____
DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION_____
RE-SET TO FACTORY
SPECS

COMMENTS: _____

F006 REV 5/2006

Remington



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

MODEL 700™ M24

SERIAL NO.
C6498809

ORDER NO.
5716

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

01



5716 C6498809

UPC



BARBER - M24 0008114

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0008114

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498809

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		BER
	Magnaflux Bolt	5-15-90		BER
615	Rollmark Caliber	5-15-90		CS
617	Drill and Tap Sight Holes		5/17/90	AB
618	Polish Barrel RB		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		5/31/90	JM

BARBER - M24 0008116

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			6/1/90	WB
	G) Safety Off Force	2 3/4	2 3/4	2 1/2			6/1/90	WB
	H) Trigger Pull Test & Retainability						5/31/90	RL
	I) Firing Pin Indent	.0225	.0225	.0225			6/1/90	WB
	J) Assemble Stock						6/4/90	RW
	K) Assemble Swivel Studs						6/13/90	RL
	L) Attach Front and Rear Sight Assemblies						6/4/90	RW
	M) Iron Sight Alignment						6/4/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/4/90	RW
	O) Attach Scope to Rifle						6/4/90	WB
	P) Detach & Attach Scope 20 Times						6/4/90	WB
640	Gallery Target & Test						6-4-90	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						6-4-90	A
655	Final Inspection							
	A) Headspace						6/13/90	RL
	B) Trigger Pull	2.69	2.52	2.61	2.43	2.63	6/13/90	GS
	C) Function						6/13/90	RL
660	Pack						6-4-90	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06498809

DATE 5/31/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.27	2.35	2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.29	2.45	2.25	2.53	
PULL #3	2.35	2.20	2.31	2.61	
PULL #4	2.32	2.26	2.40	2.43	
PULL #5	2.39	2.30	2.36	2.63	
TOTAL	11.70	11.48	11.67		
AVG.	2.34	2.298	2.334		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.46		
PULL #2	3.25	3.47		
PULL #3	3.33	3.52		
PULL #4	3.47	3.26		
PULL #5	3.45	3.10		
TOTAL	16.76	16.81		
AVG.	3.352	3.362		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.35		4.38
PULL #2	4.36	4.34		4.25
PULL #3	4.38	4.35		4.38
PULL #4	4.36	4.31		4.37
PULL #5	4.36	4.35		4.32
TOTAL	21.65	21.70		21.70
AVG.	4.33	4.34		4.34

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06498809
6 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.695331
1 TO	2	.543783
1 TO	3	.701046
1 TO	4	.571424
1 TO	5	.992889

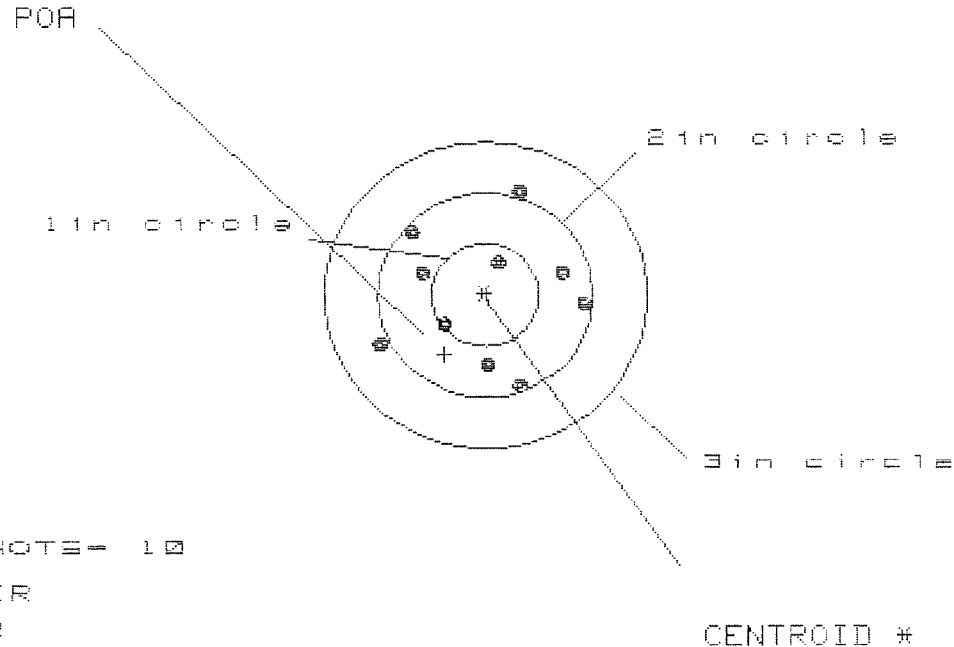
1
2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1058
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1214
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .161033
THE AMR FOR THIS RIFLE IS: .8502

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6436809

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS = 1.848

VS = 1.898

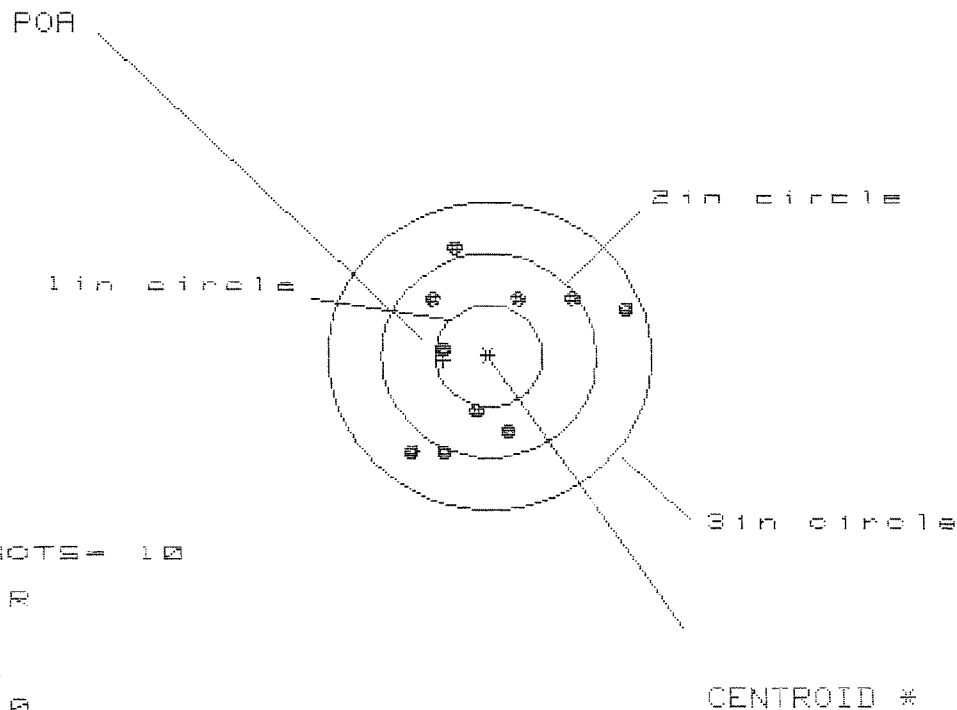
GS = 1.957

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.892	.933	.818
MINIMUM X	-.956	-.915	-.711
MAXIMUM Y	1.000	.747	.706
MINIMUM Y	-.898	-.787	-.828
CENTROID X	.382	.341	.456
CENTROID Y	.581	.470	.511
POA TO CENTROID in.	.695	.581	.685
MIN RADIUS	.348	.336	.407
MEAN RADIUS	.767	.726	.693
MAX RADIUS	1.065	.974	1.002
HORIZONTAL SPREAD	1.848	1.848	1.529
VERTICAL SPREAD	1.898	1.534	1.534
EXTREME SPREAD	1.957	1.877	1.820
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498889

CENTERFIRE PATTERNS # 2

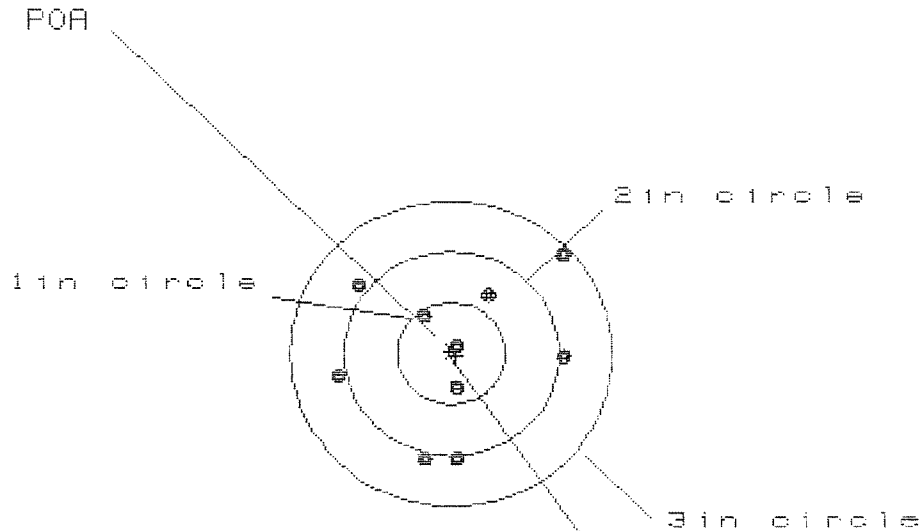


PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.234	.922	.842
MINIMUM X	-.774	-.637	-.420
MAXIMUM Y	1.013	1.064	.955
MINIMUM Y	-.988	-.937	-1.046
CENTROID X	.426	.289	.369
CENTROID Y	.039	-.012	.097
POA TO CENTROID in.	.428	.289	.381
MIN RADIUS	.446	.319	.388
MEAN RADIUS	.869	.801	.764
MAX RADIUS	1.316	1.109	1.101
HORIZONTAL SPREAD	2.008	1.559	1.262
VERTICAL SPREAD	2.001	2.001	2.001
EXTREME SPREAD	2.434	2.152	2.004
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/0649B889

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 10

HS= 2.096

VS= 2.019

GS= 2.420

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.042	1.137	1.048
MINIMUM X	-1.054	-0.939	-1.027
MAXIMUM Y	.957	.813	.810
MINIMUM Y	-1.062	-0.956	-0.854
CENTROID X	-0.045	-0.160	-0.072
CENTROID Y	.025	-0.081	-0.183
POA TO CENTROID in.	.051	.180	.196
MIN RADIUS	.065	.212	.157
MEAN RADIUS	.831	.768	.719
MAX RADIUS	1.414	1.143	1.070
HORIZONTAL SPREAD	2.096	2.076	2.076
VERTICAL SPREAD	2.019	1.769	1.664
EXTREME SPREAD	2.420	2.092	2.092
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498889

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 1.994

VS= 2.470

GS= 2.492

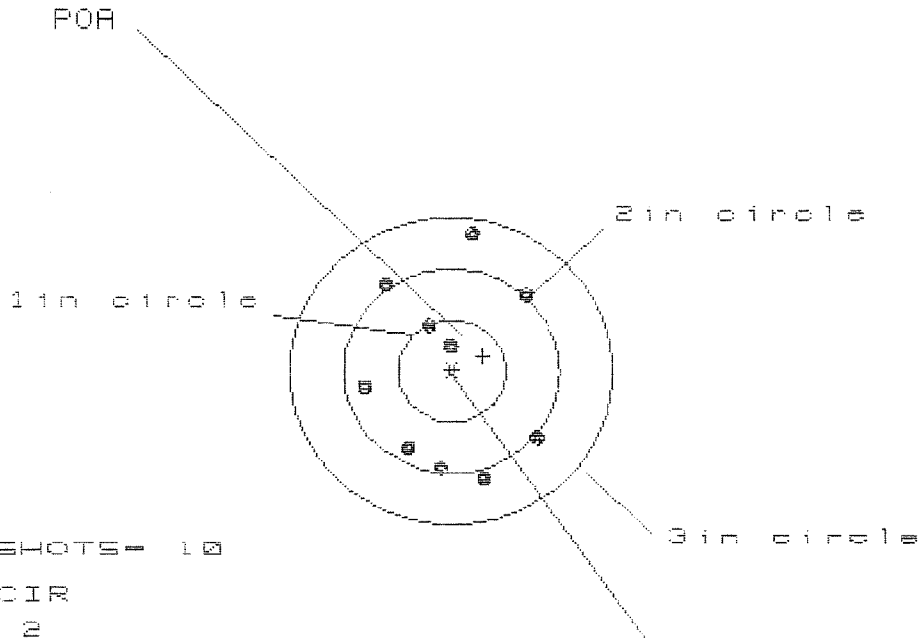
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.034	.966	.923
MINIMUM X	:	-.960	-1.028	-1.071
MAXIMUM Y	:	1.248	1.112	.594
MINIMUM Y	:	-1.222	-.827	-.688
CENTROID X	:	.057	.125	.168
CENTROID Y	:	.111	.247	.198
POA TO CENTROID in.	:	.125	.277	.199
MIN RADIUS	:	.245	.362	.353
MEAN RADIUS	:	.897	.839	.783
MAX RADIUS	:	1.365	1.182	1.159
HORIZONTAL SPREAD	:	1.994	1.994	1.994
VERTICAL SPREAD	:	2.470	1.939	1.282
EXTREME SPREAD	:	2.492	2.248	2.248
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6496809

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS = 1.569

VS = 2.359

GS = 2.361

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.796	.821	.865
MINIMUM X	-.773	-.748	-.705
MAXIMUM Y	1.301	.980	.866
MINIMUM Y	-1.058	-.913	-.953
CENTROID X	-.291	-.316	-.360
CENTROID Y	-.149	-.294	-.180
POA TO CENTROID in.	.327	.431	.402
MIN RADIUS	.257	.403	.296
MEAN RADIUS	.887	.838	.801
MAX RADIUS	1.321	1.156	1.099
HORIZONTAL SPREAD	1.569	1.569	1.569
VERTICAL SPREAD	2.359	1.893	1.819
EXTREME SPREAD	2.361	2.091	2.006
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	