



06498809

MODEL 700™ M24

Model SWS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



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: **RE00115157** Serial: **C6498809** Model **M24 SWS** Center Fire Repairman: _____
 Caliber: **308** Produced: **06/19/1990** Status: **Closed 7/31/2006 1:38:24 PM**

Verify Repair

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 <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> <tr> <td>B000</td> <td>FRONT AND REAR E</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Stud	3	A010	Hard Case	1	A017	Scope Base	1	A026	Scope	1	B000	FRONT AND REAR E	1
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

nagletj 8/1/2006 7:31 AM CAPS NUM INS SCRL

start 2 Micros... Part Search... 5 Intern... RAC0179... Arms Servi... 7:31 AM

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

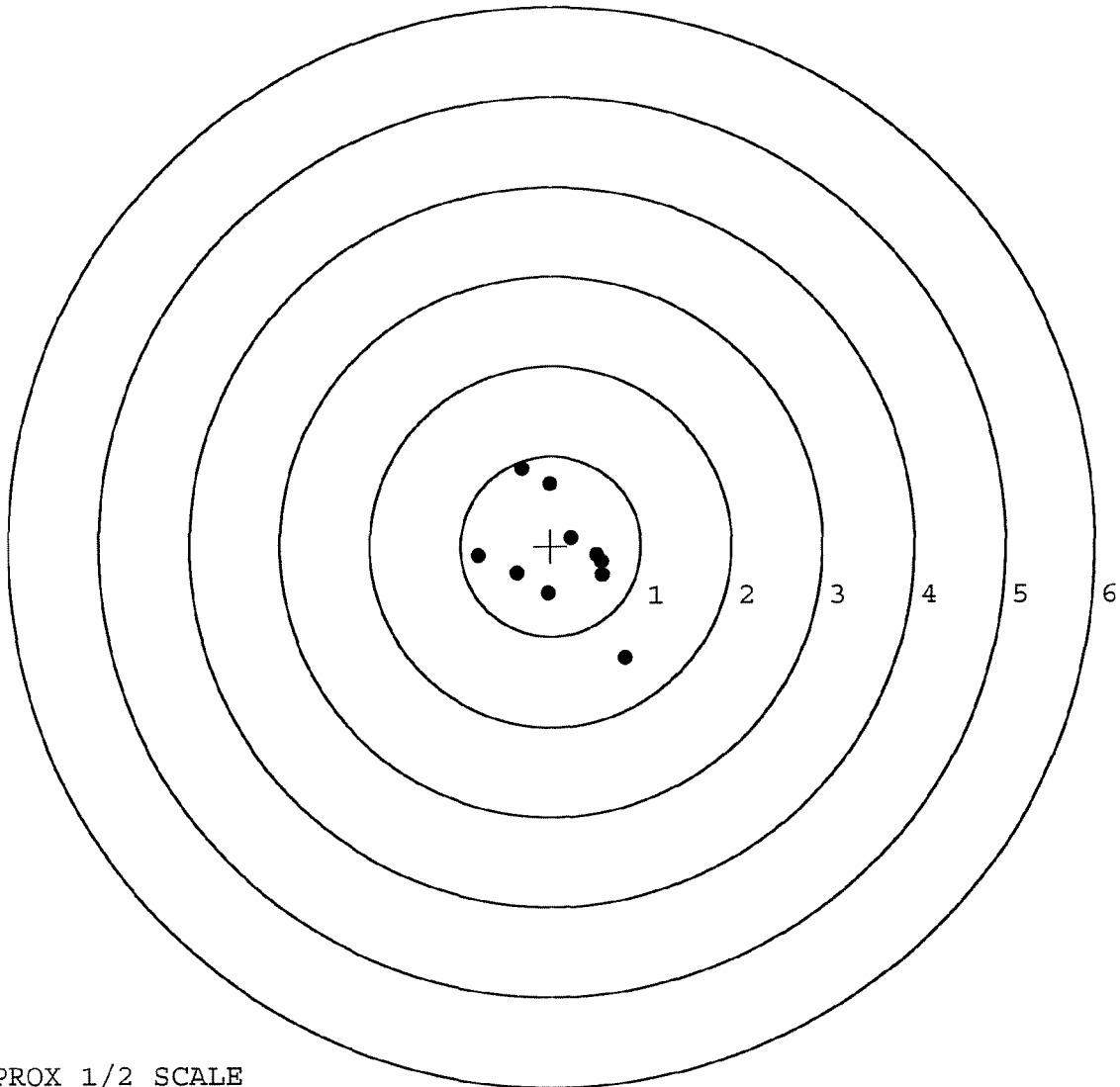
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

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

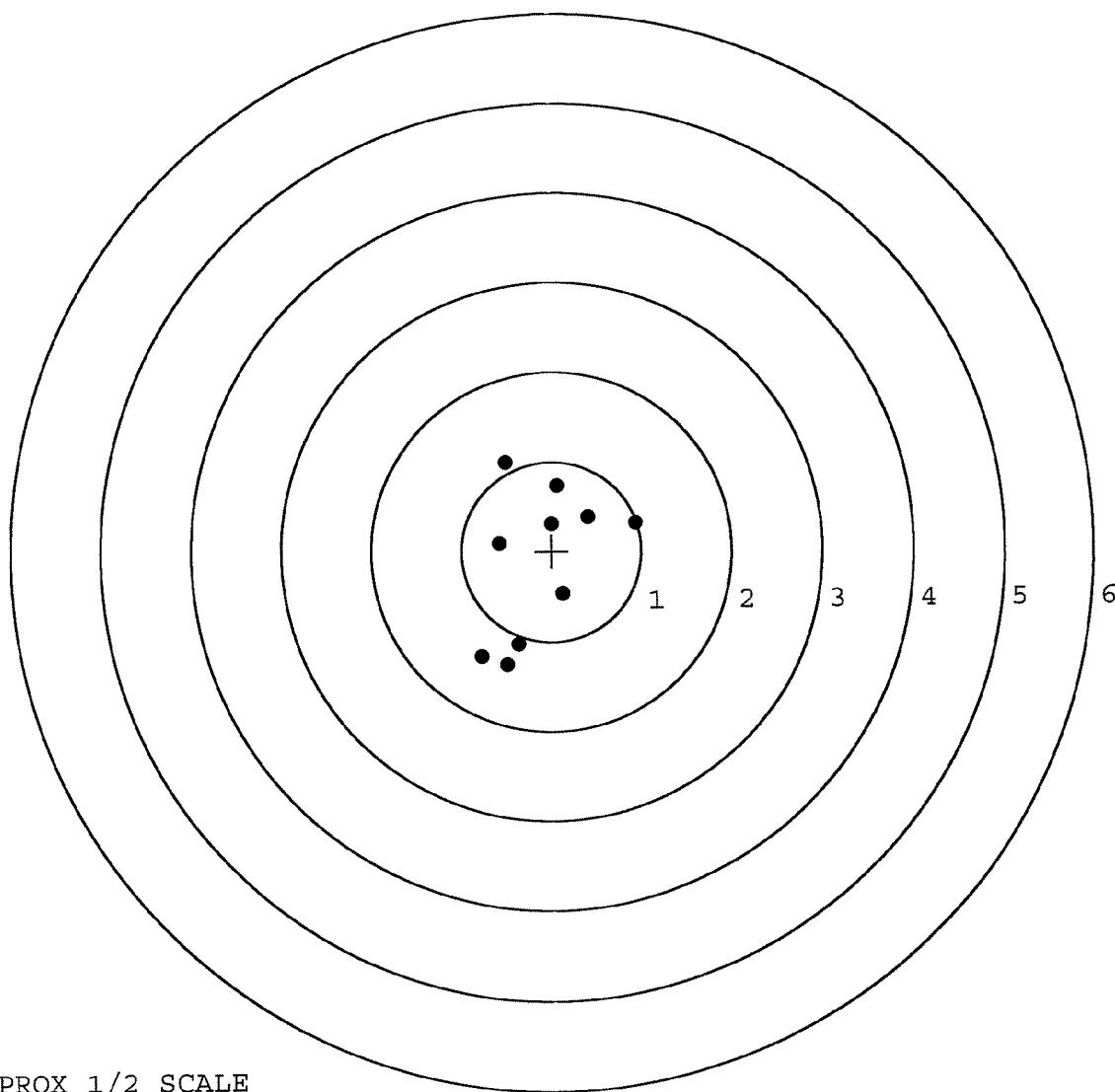


TARGET APPROX 1/2 SCALE

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

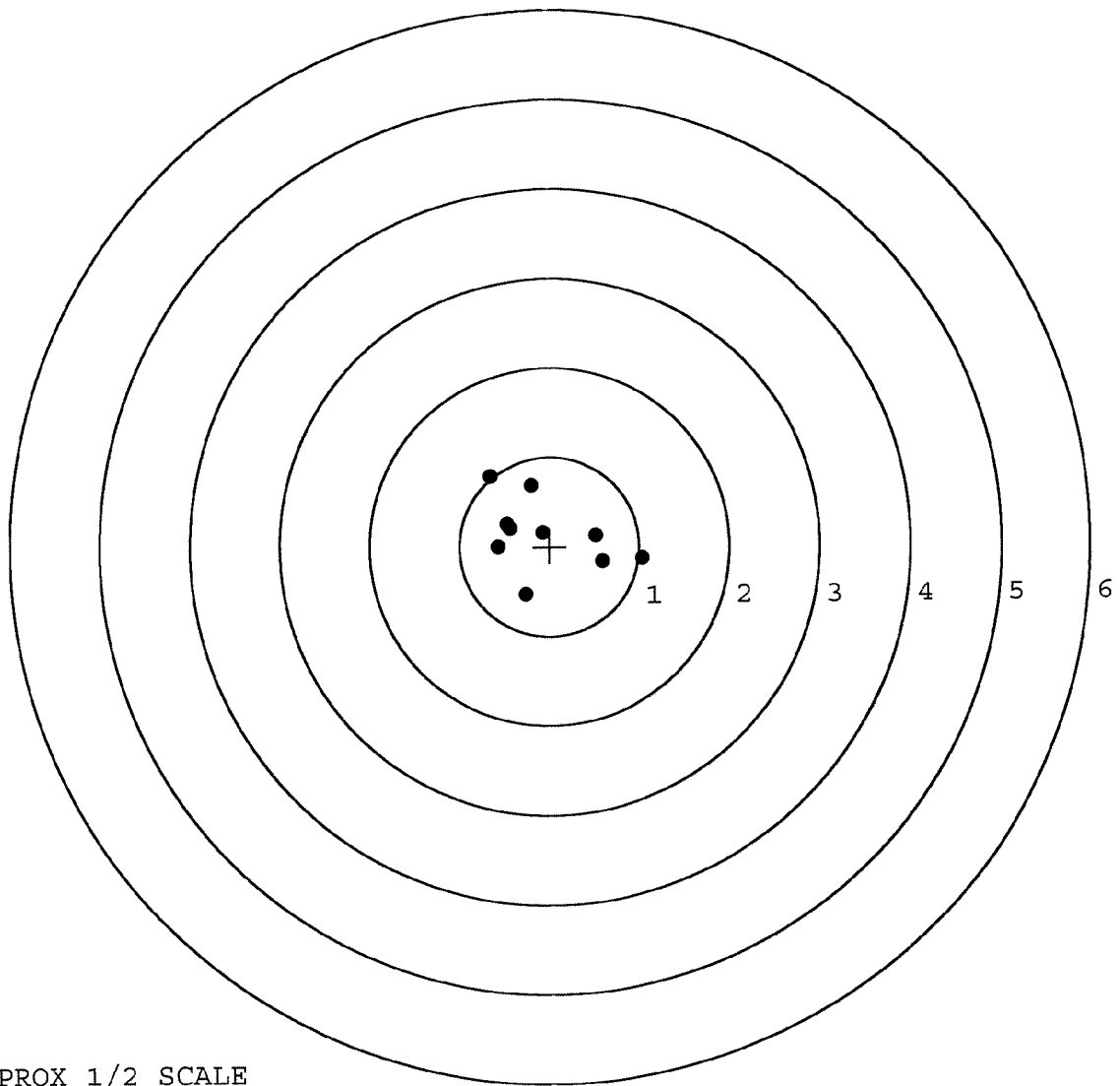


TARGET APPROX 1/2 SCALE

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

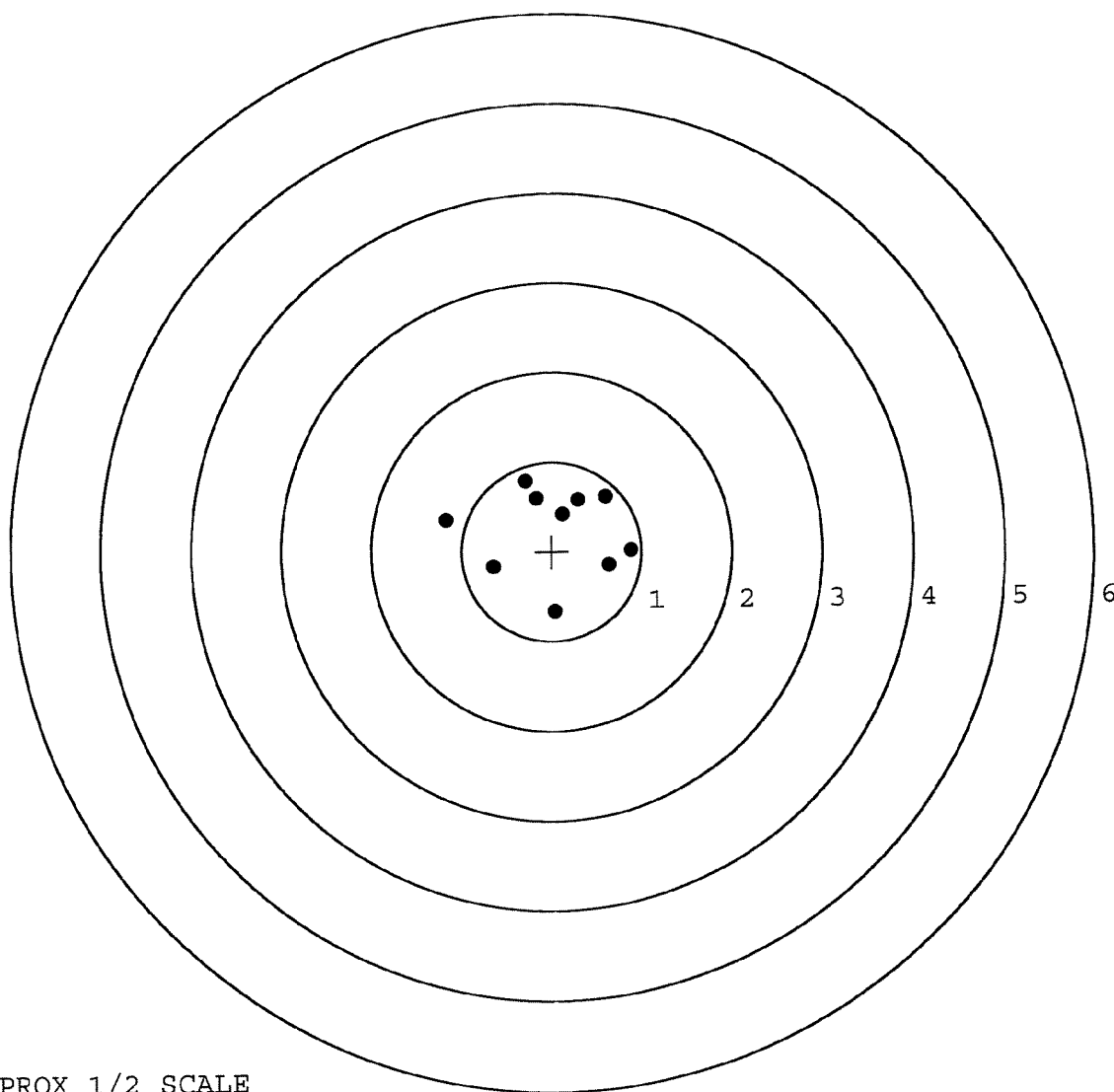


TARGET APPROX 1/2 SCALE

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

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

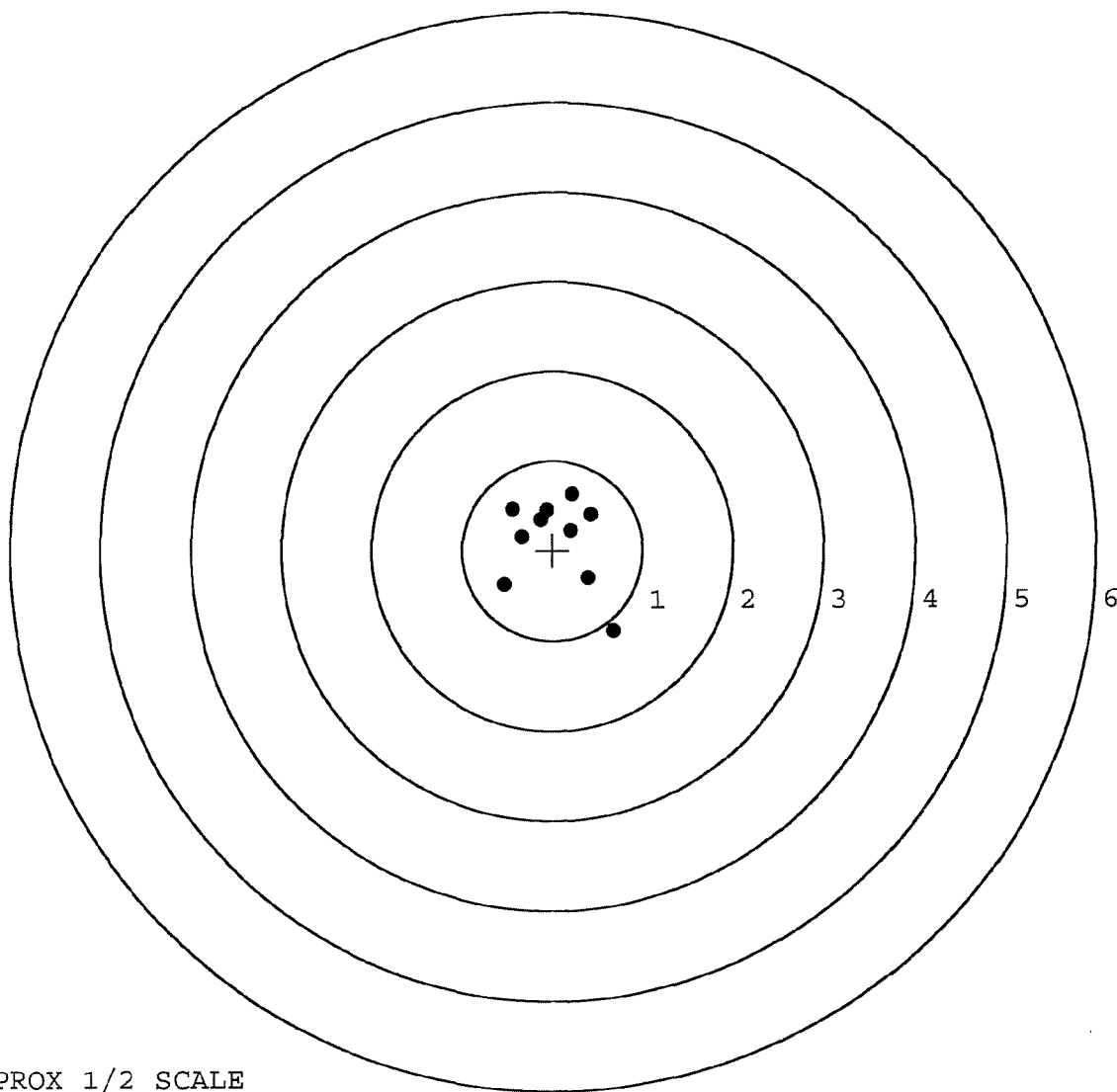
POINT#	X	Y
1:	-1.170	0.362
2:	-0.650	-0.173
3:	0.027	-0.674
4:	0.636	-0.158
5:	0.883	0.012
6:	0.605	0.610
7:	0.294	0.579
8:	0.121	0.419
9:	-0.287	0.789
10:	-0.167	0.596



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498809. __0
TARGET NUMBER: 5
FILE DATE: 08/15/2006
FILE TIME: 20:39

	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
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	



TARGET APPROX 1/2 SCALE

M-24
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	MAGNA-FLUX	8-9-06	RLG		
460	CHECK HEADSPACE	INSPECTED	8-9-06	RLG		
470	DIS-ASSEMBLE GUN	AUG 11 2006	8-9-06	RLG		
480	MAGNAFLUX	OPERATOR <i>APD</i>	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	(PASS) FAIL	8-15-06	S.P.D.		
650	TARGET	(PASS) FAIL	8-15-06	S.P.D.		
	MALFUNCTION	CORRECTION				
	MALFUNCTION	CORRECTION				
	MALFUNCTION	CORRECTION				
	MALFUNCTION	CORRECTION				
670	FINAL INSPECTION		8-17-06	MTM		
	A) HEADSPACE	(PASS) FAIL	8-17-06	MTM		
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.77 2.77 2.78 2.76 2.54	8-16-06	RTZ	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 5.0 4.5	8-16-06	RTZ	
	G) SAFETY OFF FORCE	2 LBS MIN	3.0 3.0 3.0	8-16-06	RTZ	
	I) FIRING PIN INDENT	.020	1.022 1.022 .023	8-16-06	RTZ	
690	PACK		9-22-06	RTZ		

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

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™ H24

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



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400008153

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

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

SWS TRIGGER PULL TEST

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	2.52	
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 # C6498809
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

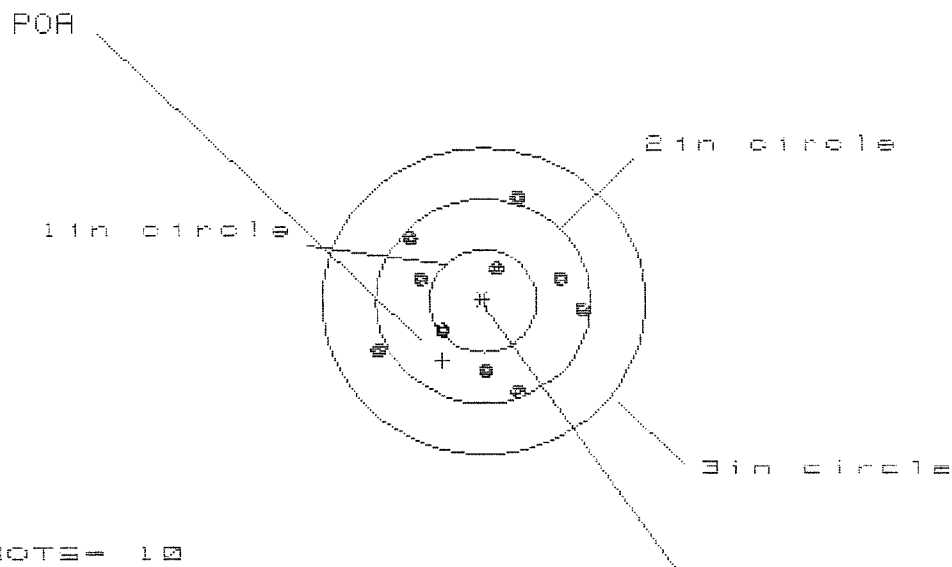
1
2 <----POA

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

1in = 2

2in = 8

3in = 10

HS = 1.848

VS = 1.898

GS = 1.957

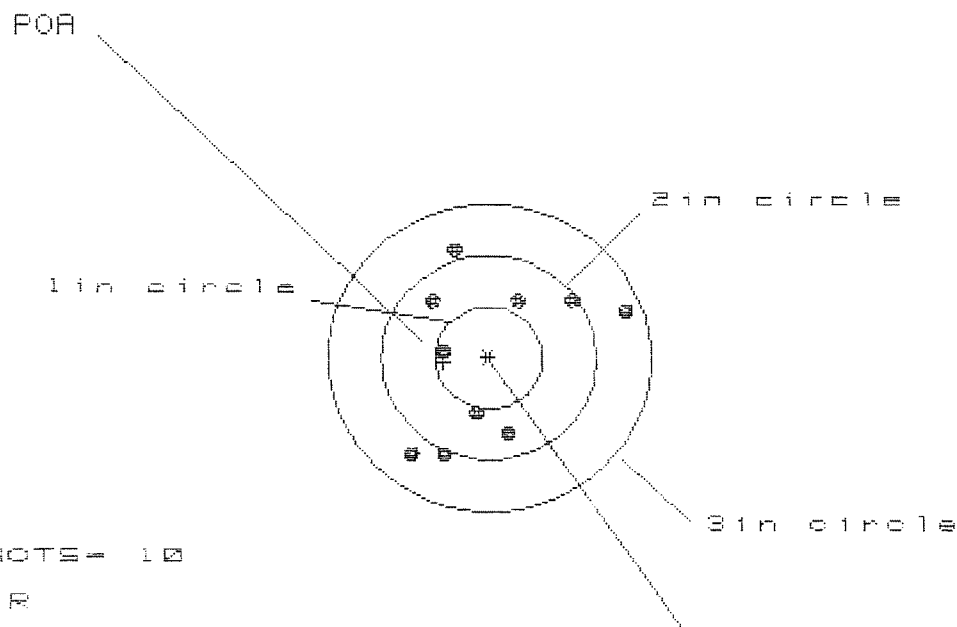
CENTROID #

PATTERN #	:	1		
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/C649B009

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS = 2.0008

VS = 2.0001

GS = 2.434

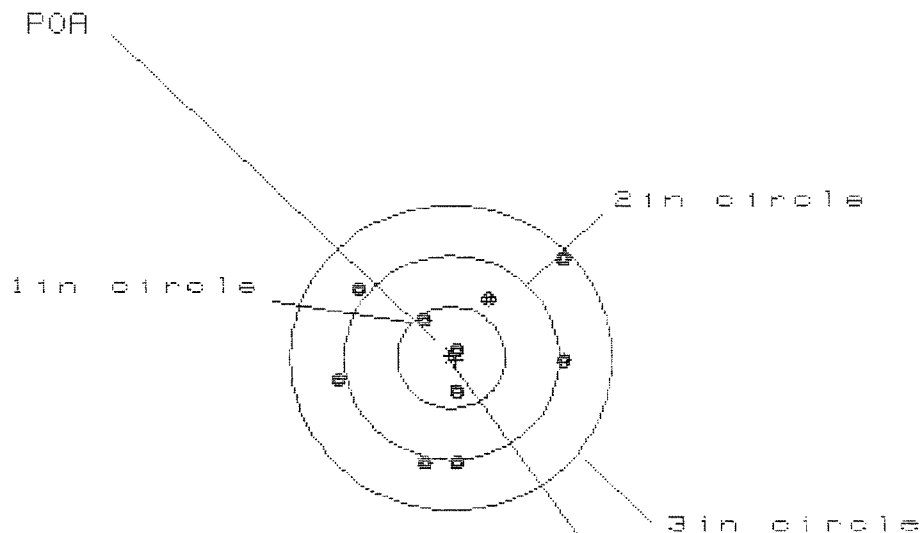
CENTROID *

PATTERN #	2	9	8
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

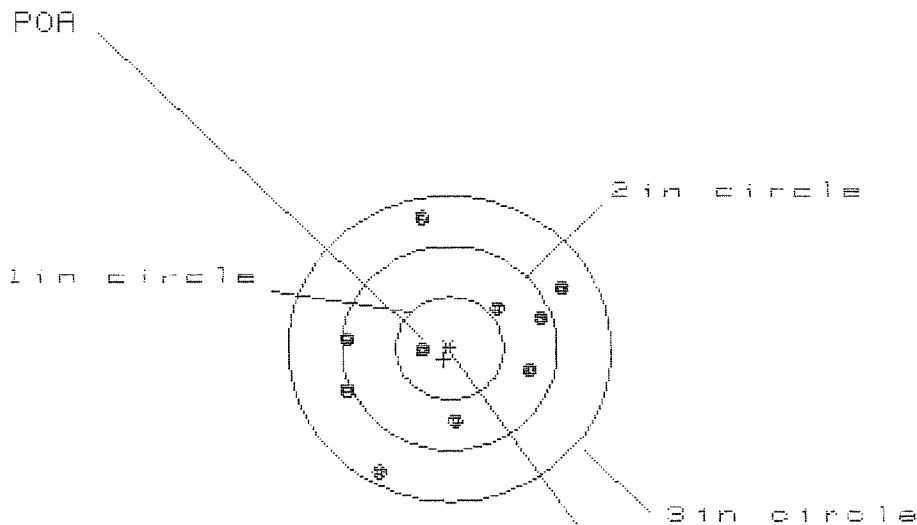
CENTROID #

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



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 1.994

VS= 2.470

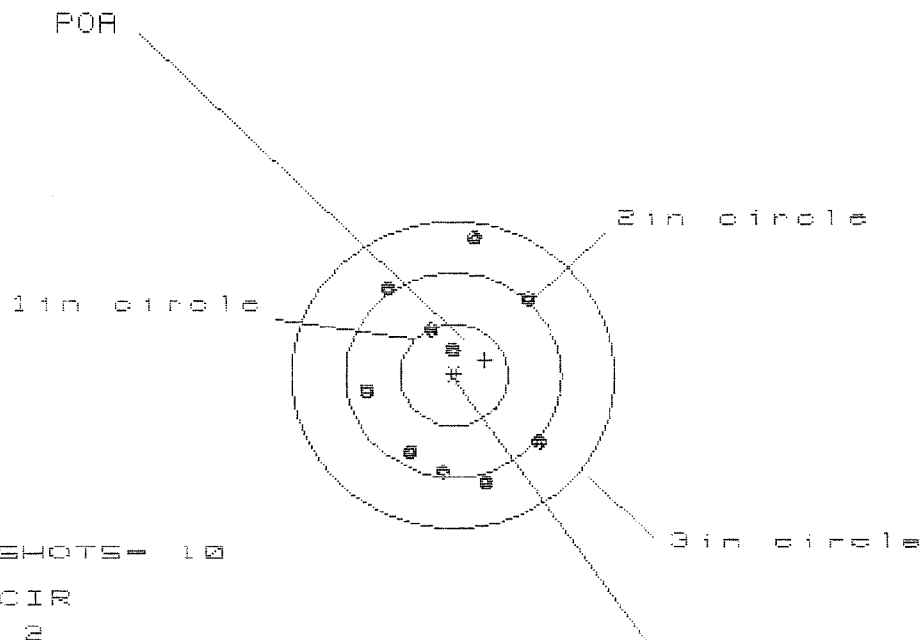
GS= 2.492

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	.108
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

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		