

BARBER - M24 0007576

C6498780

TION
9



RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

652 - ESD SALARY DISTRIBUTION

1979

COPY "O" (OFFICIAL) ☐ "X" (EXTRA) ☒

TOTAL RETENTION: MAX. 3 YEARS

1979 - 1982

GS-11050 Rev. 8/78

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 003499907615

06498780

TION
9

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

BARBER - M24 0007578

9-10	8
8-9	16
7-8	8

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: **RE00112585** Serial: C6498780 Model M24 SWS Center Fire
 Verify Repair Caliber: 7.62 NATO Produced: 06/19/1990 Repairman: Status: Closed 5/19/2006 9:46:46 AM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **TRANSPOTATION OFFICER** **TRANSPOTATION 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 <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>A057</td> <td>Frt and Rear Sgt Base</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	A057	Frt and Rear Sgt Base	1
Code	Desc	Qty																				
A007	With Stud	3																				
A010	Hard Case	1																				
A017	Scope Base	1																				
A026	Scope	1																				
A057	Frt and Rear Sgt Base	1																				

Repair Search Refresh Close

maglet 5/23/2006 7:25 AM CAPS NUM INS SCRL

start 2 Mic... Microsoft... 2 Inter... Part Sea... Arms Se... 7:25 AM

Number: **C6498780**

Model: **M24 SWS**



RE00112585

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498780.___0
FILE DATE AND TIME: 06/12/2006 16:49

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:	0.049
The Average Point of Impact of the Five Target Set:	0.143
The Average Mean Radius of the Five Target Set:	0.707
The Distance from POA to Centroid Target #1:	0.385
The Distance from Centroid Target #2 to Centroid Target #1:	0.266
The Distance from Centroid Target #3 to Centroid Target #1:	0.550
The Distance from Centroid Target #4 to Centroid Target #1:	0.375
The Distance from Centroid Target #5 to Centroid Target #1:	0.194

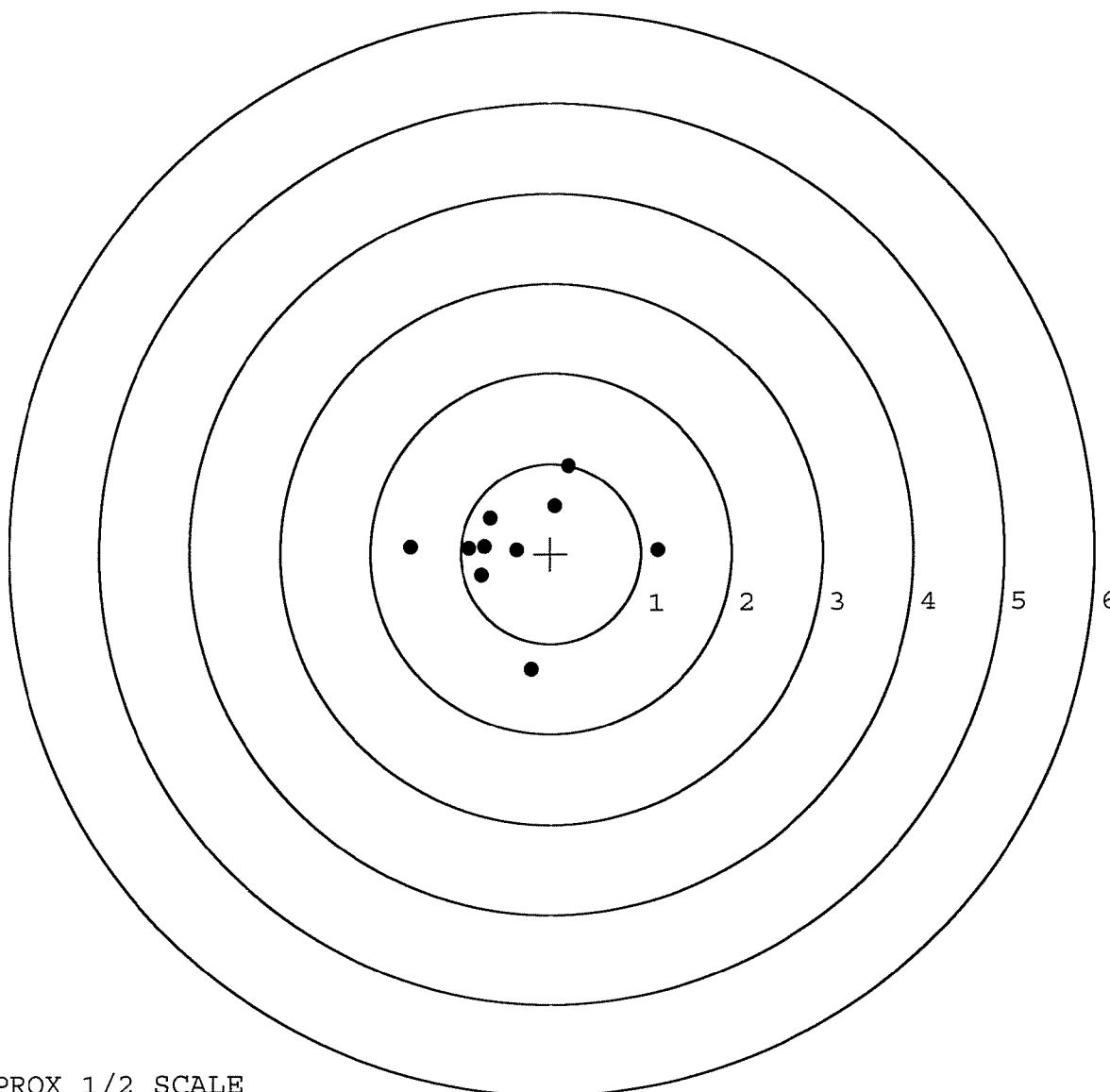
BARBER - M24 0007581

SERIAL NUMBER: C6498780. __0
TARGET NUMBER: 1
FILE DATE: 06/12/2006
FILE TIME: 16:49

X CENTROID: -0.379
Y CENTROID: 0.067
POA TO CENTROID: 0.385
HORZ SPREAD: 2.741
VERT SPREAD: 2.270
GROUP SPREAD: 2.741
MIN RADIUS: 0.024
MAX RADIUS: 1.562
MEAN RADIUS: 0.767

IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.205	0.977
2:	0.048	0.530
3:	-1.558	0.075
4:	-0.667	0.398
5:	-0.907	0.066
6:	-0.374	0.044
7:	-0.770	-0.246
8:	-0.734	0.082
9:	-0.217	-1.293
10:	1.183	0.038



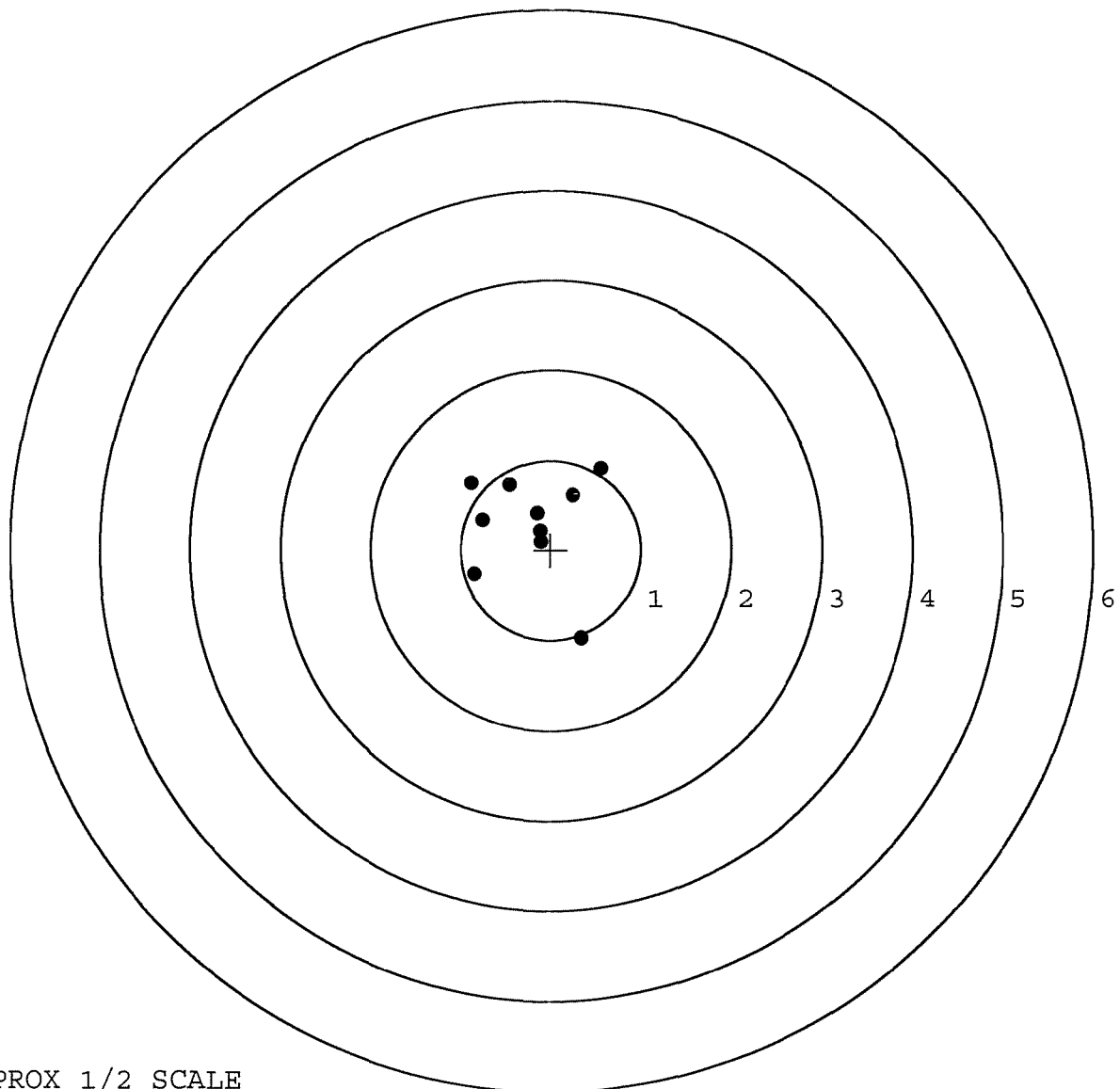
TARGET APPROX 1/2 SCALE

BARBER - M24 0007582

SERIAL NUMBER: C6498780. __0
TARGET NUMBER: 2
FILE DATE: 06/12/2006
FILE TIME: 16:49

X CENTROID: -0.216
Y CENTROID: 0.277
POA TO CENTROID: 0.351
HORZ SPREAD: 1.447
VERT SPREAD: 1.892
GROUP SPREAD: 2.125
MIN RADIUS: 0.117
MAX RADIUS: 1.383
MEAN RADIUS: 0.614
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.351	-0.985
2:	-0.852	-0.276
3:	-0.754	0.332
4:	-0.882	0.746
5:	-0.455	0.725
6:	0.565	0.907
7:	0.247	0.608
8:	-0.153	0.407
9:	-0.108	0.093
10:	-0.120	0.210



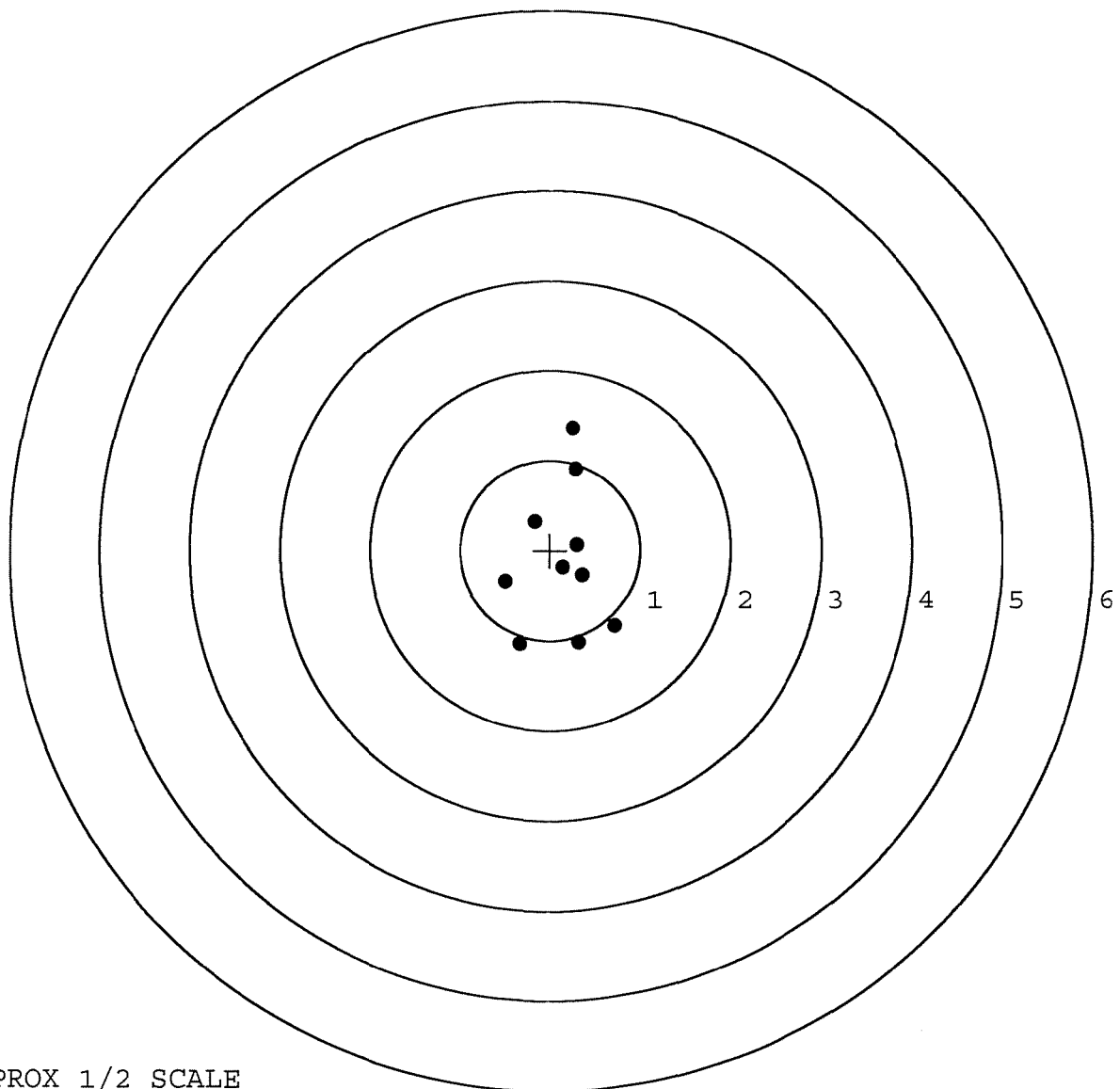
TARGET APPROX 1/2 SCALE

BARBER - M24 0007583

SERIAL NUMBER: C6498780. 0
TARGET NUMBER: 3
FILE DATE: 06/12/2006
FILE TIME: 16:49

X CENTROID: 0.142
Y CENTROID: -0.108
POA TO CENTROID: 0.179
HORZ SPREAD: 1.223
VERT SPREAD: 2.400
GROUP SPREAD: 2.469
MIN RADIUS: 0.079
MAX RADIUS: 1.469
MEAN RADIUS: 0.722
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.252	1.356
2:	0.289	0.904
3:	-0.172	0.316
4:	-0.494	-0.351
5:	-0.329	-1.044
6:	0.729	-0.842
7:	0.333	-1.023
8:	0.304	0.062
9:	0.142	-0.188
10:	0.366	-0.275



TARGET APPROX 1/2 SCALE

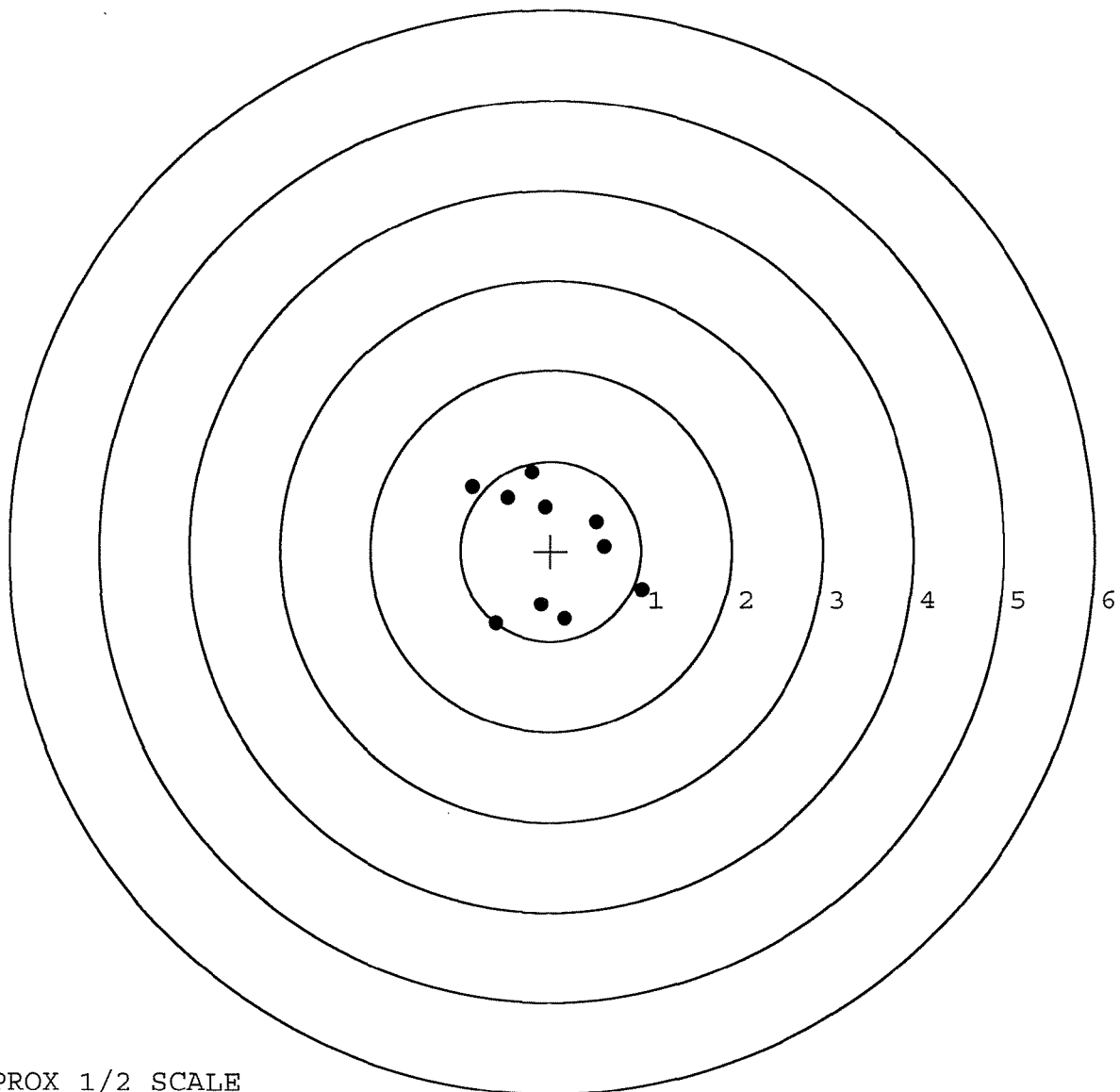
BARBER - M24 0007584

SERIAL NUMBER: C6498780. __0
TARGET NUMBER: 4
FILE DATE: 06/12/2006
FILE TIME: 16:49

X CENTROID: -0.005
Y CENTROID: 0.045
POA TO CENTROID: 0.045
HORZ SPREAD: 1.884
VERT SPREAD: 1.692
GROUP SPREAD: 2.207
MIN RADIUS: 0.451
MAX RADIUS: 1.126
MEAN RADIUS: 0.795

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.872	0.713
2:	-0.479	0.593
3:	-0.210	0.880
4:	-0.064	0.492
5:	0.508	0.320
6:	0.597	0.051
7:	1.012	-0.437
8:	0.162	-0.754
9:	-0.105	-0.595
10:	-0.601	-0.812



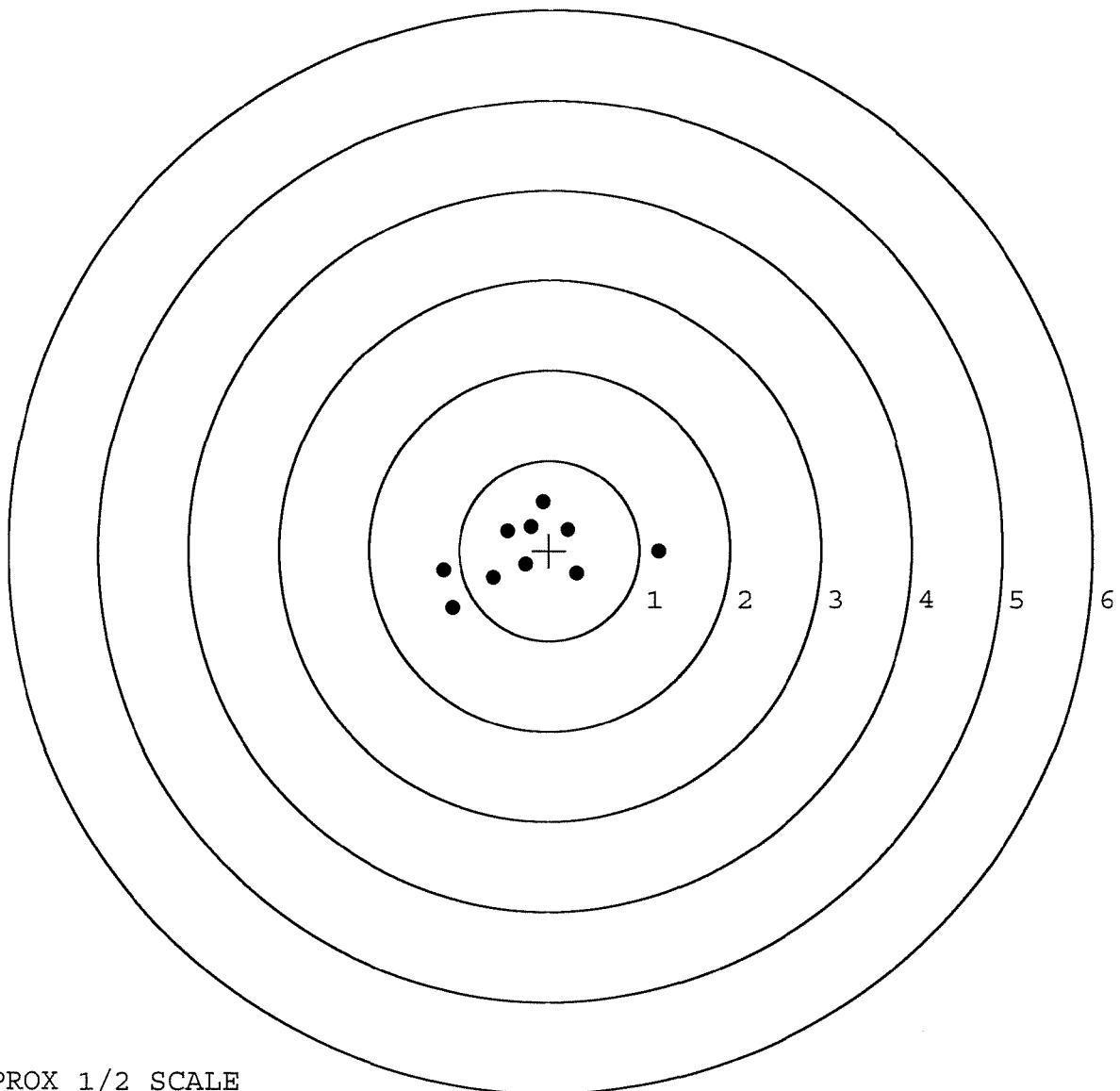
TARGET APPROX 1/2 SCALE

BARBER - M24 0007585

SERIAL NUMBER: C6498780. 0
TARGET NUMBER: 5
FILE DATE: 06/12/2006
FILE TIME: 16:49

X CENTROID: -0.214
Y CENTROID: -0.035
POA TO CENTROID: 0.217
HORZ SPREAD: 2.388
VERT SPREAD: 1.178
GROUP SPREAD: 2.397
MIN RADIUS: 0.128
MAX RADIUS: 1.425
MEAN RADIUS: 0.640
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.210	-0.014
2:	0.312	-0.259
3:	-0.261	-0.155
4:	-0.626	-0.306
5:	-1.079	-0.641
6:	-1.178	-0.224
7:	0.210	0.231
8:	-0.461	0.214
9:	-0.202	0.264
10:	-0.069	0.537



TARGET APPROX 1/2 SCALE

R & E NUMBER	112585		
SERIAL NUMBER	C6498780		
LOG-IN DATE	5-19-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	5-31-06	RJZ
505	RE-BARREL	6-1-06	RJZ
560	ASSEMBLE	6-1-06	RJZ
600	PROOF	6-1-06	TRW
605	CHECK HEADSPACE	6-1-06	TRW
610	DIS-ASSEMBLE GUN	6-2-06	RJZ
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	LB
620	APPLY COATINGS	6-12-06	TRB
625	FINAL ASSEMBLY	6-12-06	RJZ
640	FUNCTION TEST AND	(PASS) FAIL	6-12-06 L.P.D.
650	TARGET	(PASS) FAIL	6-12-06 L.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		6-22-02 MTH
	A) HEADSPACE	(PASS) FAIL	6-22-02 MTH
	B) TRIGGER PULL		
680	F) SAFETY ON FORCE	5 lbs 5 lbs 5 lbs	6-22-06 mth
	G) SAFETY OFF FORCE	2 lbs 2 lbs 2 lbs	6-22-06 mth
	I) FIRING PIN INDENT	.024 .024 .024	6-22-06 mth
690	PACK		7-7-06

BARBER - M24 0007587

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

MODEL 700TM H24

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

01

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

SERIAL NO.
C6498780

ORDER NO.
5716



5716 C6498780

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0007587

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498780

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 17	90	RW
600	Proof	5 17	90	RW
607	Check Headspace	5 17	90	RW
610	Dis-assemble Gun	5 17	90	RW
612	Magnaflux Barrel Action		5/22/90	KCR
	Magnaflux Bolt		5/22/90	KCR
615	Rollmark Caliber		5/22/90	G.S.
617	Drill and Tap Sight Holes		5/23/90	FB
618	Polish Barrel RWB		5/24/90	WB
620	Apply Coatings (Barrel Action)		6/1/90	TH
	Apply Coating (Bolt)		6/1/90	TH
625	Final Assembly			
	A) Clean inside of Bolt Assembly		6/4/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/4/90	RW
	C) Inspect Ejector Hole for Chamfer		6/4/90	RW
	D) Oil Firing Pin Ass'y		6/4/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-11-90	SM

BARBER - M24 0007589

BARBER - M24 0007589							
op. #	OP. NAME	READINGS			DATE	INIT	
625 cont.	F) Safety On Force	2 1/2	2	2	6/12/90	gll	
	G) Safety Off Force	3	3	3	6/12/90	gll	
	H) Trigger Pull Test & Retainability				6-11-90	gll	
	I) Firing Pin Indent	.023	.023	.0235	6/12/90	gll	
	J) Assemble Stock				6/12/90	Rw	
	K) Assemble Swivel Studs				6/14/90	gll	
	L) Attach Front and Rear Sight Assemblies				6/12/90	Rw	
	M) Iron Sight Alignment				6/12/90	Rw	
	N) Detach Front & Rear Sights & place in numbered container				6/12/90	Rw	
	O) Attach Scope to Rifle				6/12/90	WB	
	P) Detach & Attach Scope 20 Times				6/12/90	WB	
640	Gallery Target & Test				6-13-90	AC	
	A) Time				6-13-90	AC	
	B) Malfunctions				6-13-90	AC	
	C) Pierced Primers				6-13-90	AC	
	D) Optical Clarity of Scope				6-13-90	AC	
645	Inspect for Live Ammo				6-13-90	AC	
655	Final Inspection						
	A) Headspace				6/14/90	gll	
	B) Trigger Pull	2.87	2.79	2.68	2.68	2.73	6-14-90
	C) Function				6/14/90	gll	
660	Pack				6-19-90	DH	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6498780

DATE 6-11-90

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.33	2.28	2.87	MIN. SETTING,
PULL #2	2.31	2.31	2.28	2.79	NO AVG. OF 5
PULL #3	2.34	2.33	2.25	2.68	READINGS ACCEPT-
PULL #4	2.37	2.34	2.25	2.68	ABLE LESS THAN 2#
PULL #5	2.34	2.32	2.30	2.73	
TOTAL	11.68	11.63	11.36		
AVG.	2.336	2.326	2.272		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.50		
PULL #2	3.43	3.11		
PULL #3	3.46	3.26		
PULL #4	3.50	3.26		
PULL #5	3.47	3.30		
TOTAL	17.33	16.43		
AVG.	3.466	3.286		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.51		4.22
PULL #2	4.40	4.13		4.23
PULL #3	4.44	4.23		4.27
PULL #4	4.45	4.27		4.37
PULL #5	4.47	4.26		4.12
TOTAL	22.17	21.39		21.21
AVG.	4.434	4.278		4.242

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498780
13 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.189021
1 TO	2	.315087
1 TO	3	.165605
1 TO	4	.191784
1 TO	5	.120806

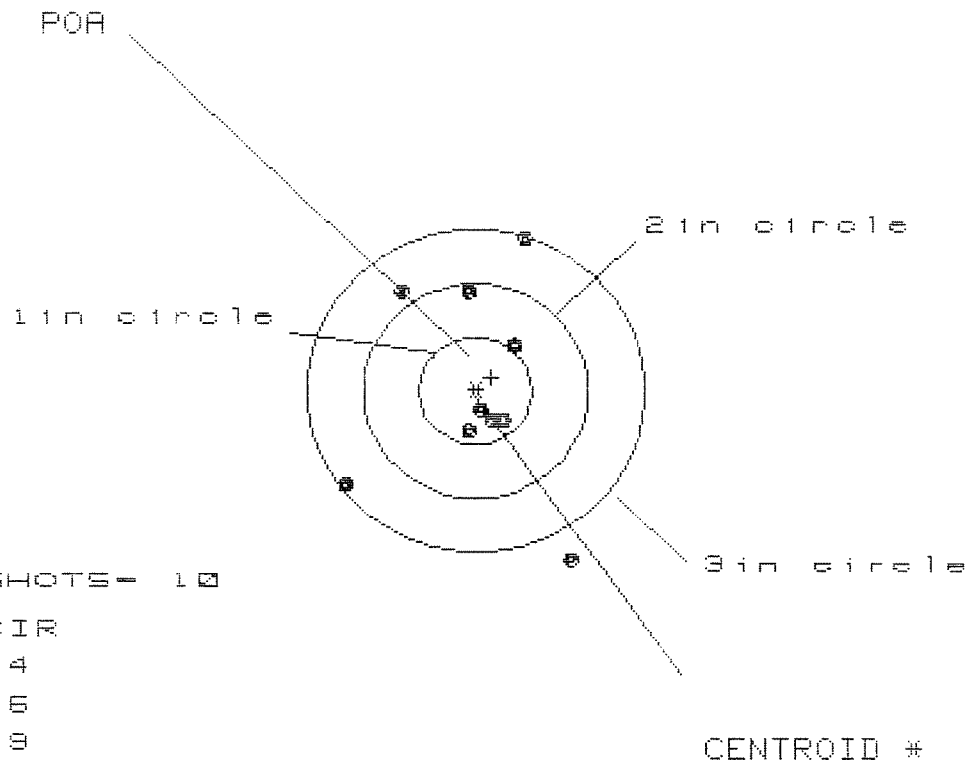
* <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.069
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0124
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0701053
THE AMR FOR THIS RIFLE IS: .7162

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498780

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 9

HS= 1.923

VS= 2.966

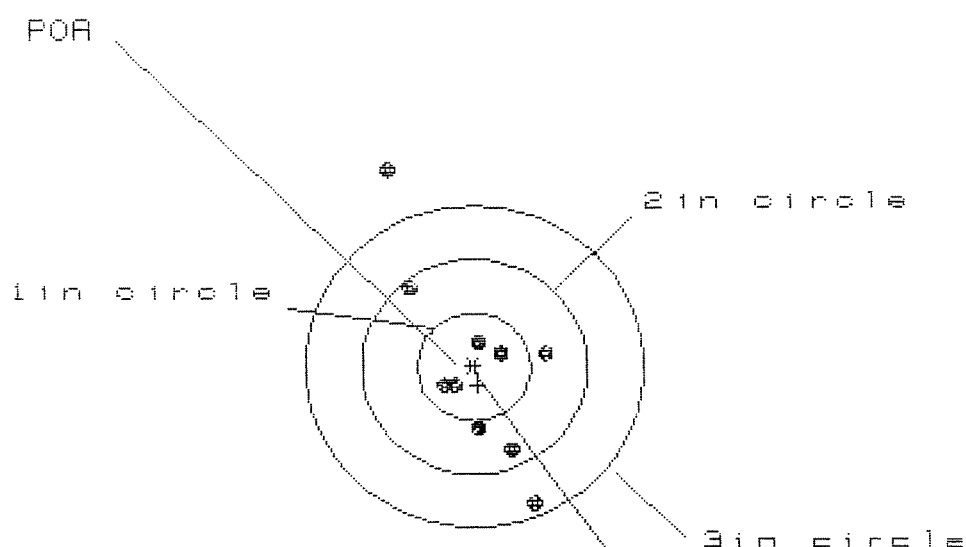
GS= 2.990

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.809	.523	.494
MINIMUM X	:	-1.114	-1.024	-.959
MAXIMUM Y	:	1.431	1.261	.912
MINIMUM Y	:	-1.535	-1.088	-.931
CENTROID X	:	-.140	-.230	-.295
CENTROID Y	:	-.127	.043	-.114
POA TO CENTROID in.	:	.189	.234	.317
MIN RADIUS	:	.206	.398	.309
MEAN RADIUS	:	.858	.787	.692
MAX RADIUS	:	1.735	1.494	1.336
HORIZONTAL SPREAD	:	1.923	1.547	1.453
VERTICAL SPREAD	:	2.966	2.349	1.843
EXTREME SPREAD	:	2.990	2.813	2.100
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498780

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 4

2in = 8

3in = 9

HS = 1.429

VS = 3.099

GS = 3.354

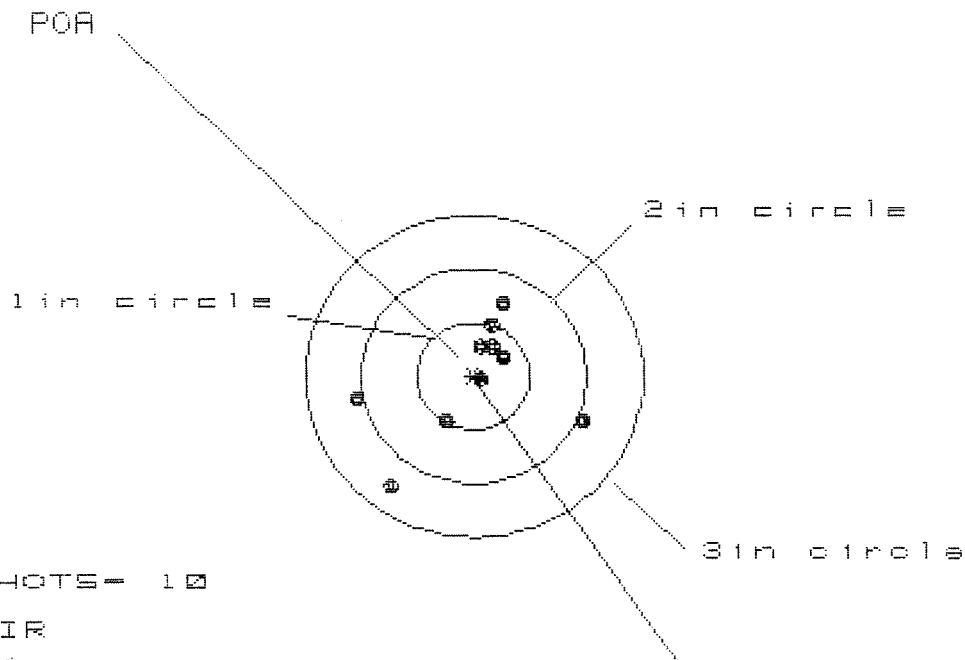
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.667	.583	.637
MINIMUM X	:	-.762	-.651	-.597
MAXIMUM Y	:	1.842	.889	.757
MINIMUM Y	:	-1.257	-1.052	-.720
CENTROID X	:	-.032	.052	-.002
CENTROID Y	:	.169	-.036	.096
POA TO CENTROID in.	:	.172	.063	.096
MIN RADIUS	:	.186	.269	.246
MEAN RADIUS	:	.737	.586	.499
MAX RADIUS	:	1.993	1.139	.964
HORIZONTAL SPREAD	:	1.429	1.234	1.234
VERTICAL SPREAD	:	3.099	1.941	1.477
EXTREME SPREAD	:	3.354	2.225	1.717
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C649B7B0

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 2.008

VS= 1.668

GS= 2.019

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.001	.917	.305
MINIMUM X	:	-1.007	-1.091	-.977
MAXIMUM Y	:	.684	.575	.513
MINIMUM Y	:	-.984	-.549	-.611
CENTROID X	:	-.060	.024	-.090
CENTROID Y	:	.018	.127	.189
POA TO CENTROID in.	:	.062	.129	.209
MIN RADIUS	:	.027	.138	.177
MEAN RADIUS	:	.615	.510	.450
MAX RADIUS	:	1.241	1.128	1.036
HORIZONTAL SPREAD	:	2.008	2.008	1.282
VERTICAL SPREAD	:	1.668	1.124	1.124
EXTREME SPREAD	:	2.019	2.019	1.544
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C643B7B0

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 5

2 in = 9

3 in = 9

HS= 1.364

VS= 2.465

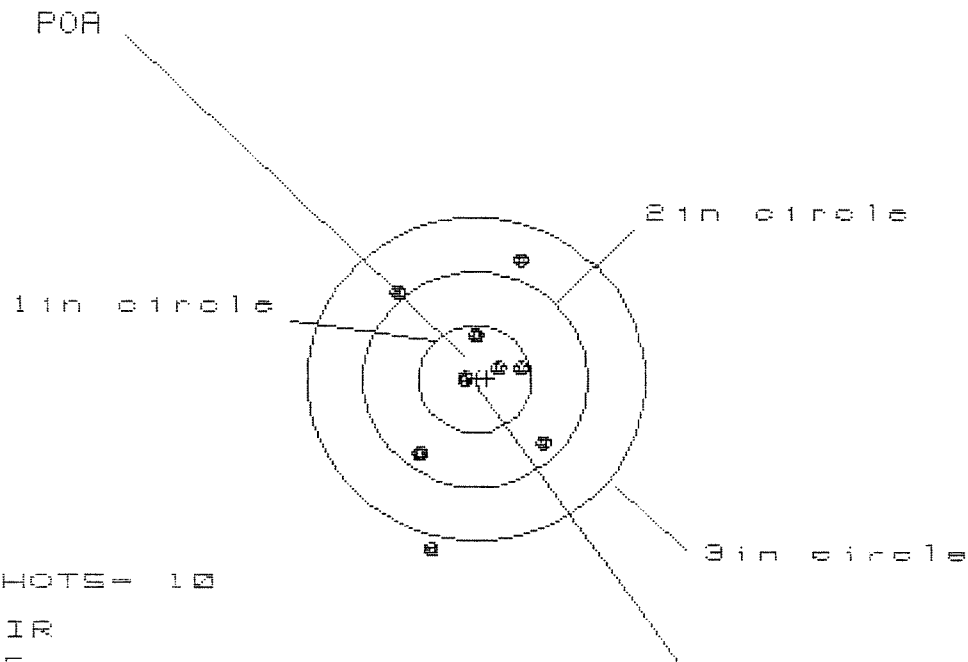
GS= 2.684

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.720	.668	.586
MINIMUM X	:	-.644	-.696	-.778
MAXIMUM Y	:	.801	.616	.692
MINIMUM Y	:	-1.664	-.445	-.369
CENTROID X	:	-.010	.042	.124
CENTROID Y	:	.014	.199	.123
POA TO CENTROID in.	:	.017	.203	.175
MIN RADIUS	:	.116	.093	.144
MEAN RADIUS	:	.661	.537	.481
MAX RADIUS	:	1.730	.894	.829
HORIZONTAL SPREAD	:	1.364	1.364	1.364
VERTICAL SPREAD	:	2.465	1.061	1.061
EXTREME SPREAD	:	2.684	1.534	1.437
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06438780

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 5

2in = 7

3in = 9

HS= 1.328

VS= 2.718

GS= 2.821

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.622	.581	.623
MINIMUM X	:	-.706	-.747	-.705
MAXIMUM Y	:	1.086	.905	.727
MINIMUM Y	:	-1.632	-.823	-.710
CENTROID X	:	-.103	-.062	-.104
CENTROID Y	:	-.012	.169	.056
POA TO CENTROID in.	:	.104	.180	.118
MIN RADIUS	:	.058	.174	.086
MEAN RADIUS	:	.710	.569	.523
MAX RADIUS	:	1.674	.982	1.013
HORIZONTAL SPREAD	:	1.328	1.328	1.328
VERTICAL SPREAD	:	2.718	1.728	1.437
EXTREME SPREAD	:	2.821	1.937	1.930
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	