



C6349203

FOR
76

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



BARBER - M24 0110111

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: RE00092547 Serial: C6349203 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 2/7/2005 8:19:00 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 362014199 Country: US State: AL Zip Code: 362014199 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Good

Condition Notes: CSR Notes:

Accessories Received

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

neglctj 2/7/2005 10:19 AM CAPS NUM INS SCRL

start 3 2

Serial Number: C6349203

Model: M24 SWS



RE00092547

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 ~~0110111~~ 0110150

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349203.___0

FILE DATE AND TIME: 04/14/2005 06:57

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

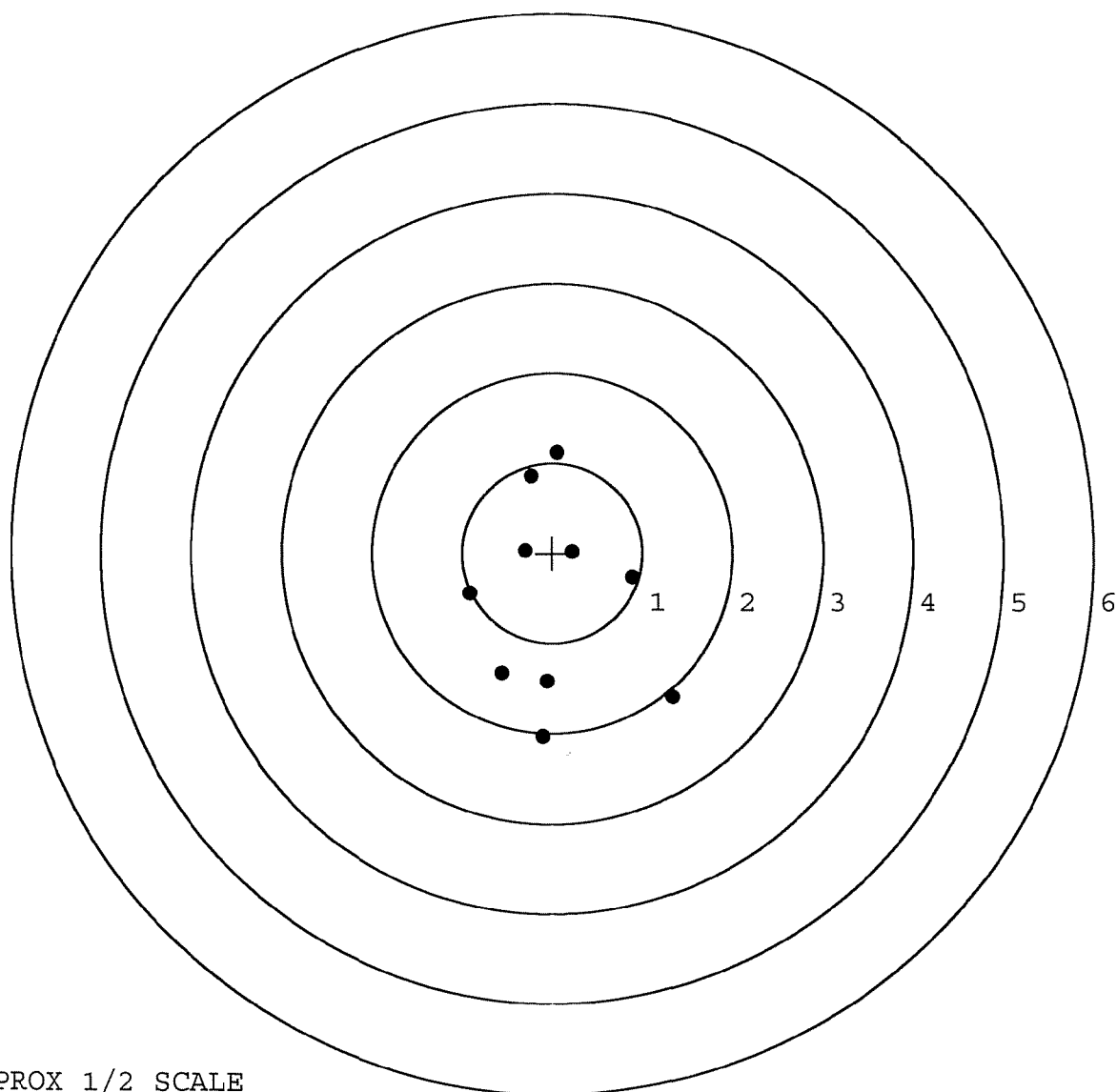
The Average X Centroid of the Five Target Set:	0.098
The Average Y Centroid of the Five Target Set:	-0.078
The Average Point of Impact of the Five Target Set:	0.125
The Average Mean Radius of the Five Target Set:	1.027
The Distance from POA to Centroid Target #1:	0.513
The Distance from Centroid Target #2 to Centroid Target #1:	0.807
The Distance from Centroid Target #3 to Centroid Target #1:	0.417
The Distance from Centroid Target #4 to Centroid Target #1:	0.837
The Distance from Centroid Target #5 to Centroid Target #1:	0.334

BARBER - M24 0110113

SERIAL NUMBER: C6349203. __0
TARGET NUMBER: 1
FILE DATE: 04/14/2005
FILE TIME: 06:57

POINT#	X	Y
1:	1.330	-1.600
2:	0.892	-0.277
3:	0.223	0.018
4:	-0.300	0.028
5:	-0.914	-0.453
6:	0.056	1.120
7:	-0.235	0.854
8:	-0.062	-1.431
9:	-0.562	-1.338
10:	-0.113	-2.041

X CENTROID: 0.031
Y CENTROID: -0.512
POA TO CENTROID: 0.513
HORZ SPREAD: 2.244
VERT SPREAD: 3.161
GROUP SPREAD: 3.004
MIN RADIUS: 0.564
MAX RADIUS: 1.694
MEAN RADIUS: 1.123
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7



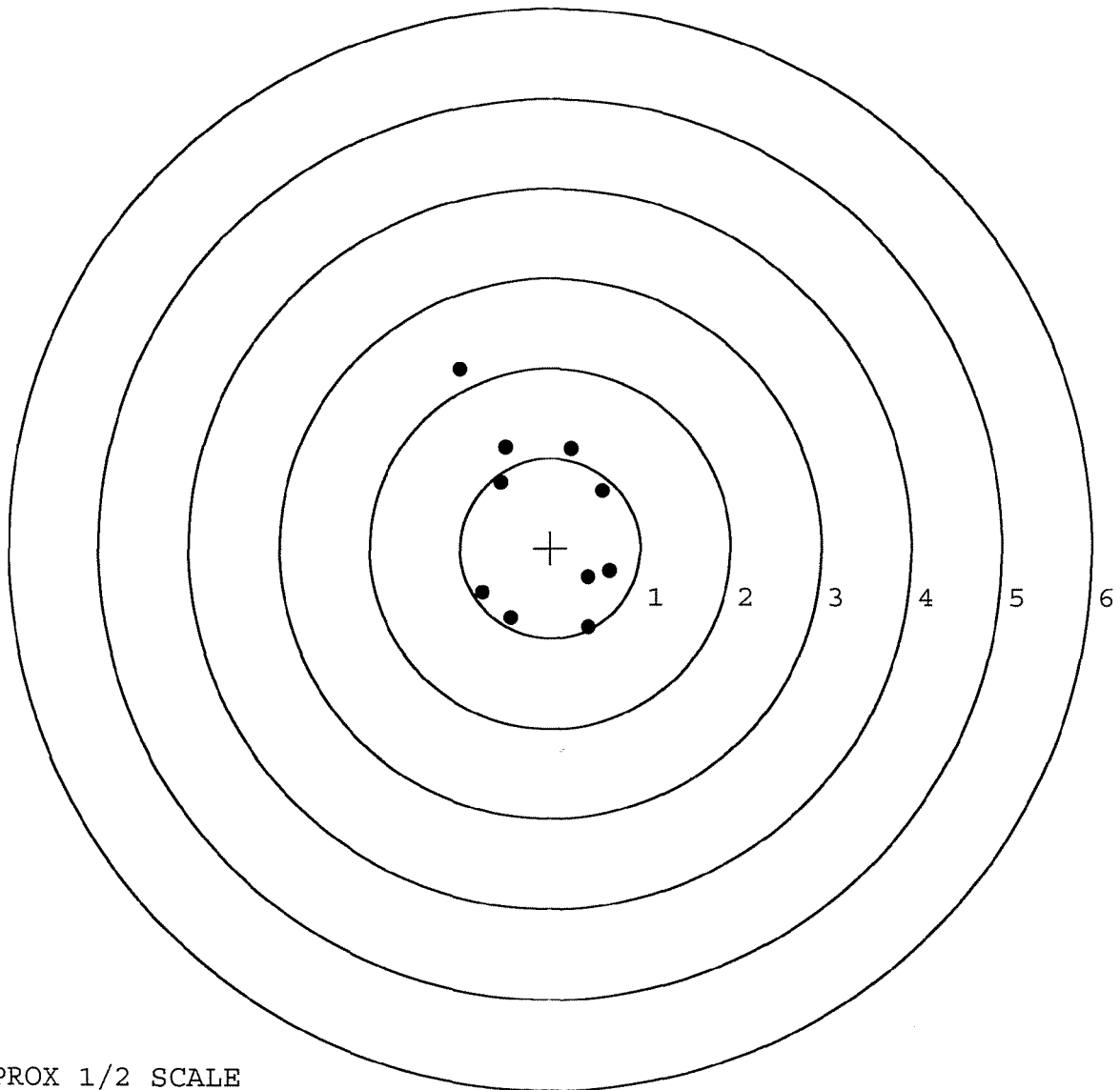
TARGET APPROX 1/2 SCALE

BARBER - M24 0110114

SERIAL NUMBER: C6349203. 0
TARGET NUMBER: 2
FILE DATE: 04/14/2005
FILE TIME: 06:57

POINT#	X	Y
1:	0.665	-0.255
2:	0.421	-0.321
3:	0.423	-0.885
4:	-0.444	-0.785
5:	-0.754	-0.499
6:	0.586	0.641
7:	0.234	1.111
8:	-0.496	1.123
9:	-0.550	0.736
10:	-1.003	1.988

X CENTROID: -0.092
Y CENTROID: 0.285
POA TO CENTROID: 0.300
HORZ SPREAD: 1.668
VERT SPREAD: 2.873
GROUP SPREAD: 3.207
MIN RADIUS: 0.643
MAX RADIUS: 1.931
MEAN RADIUS: 1.031
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



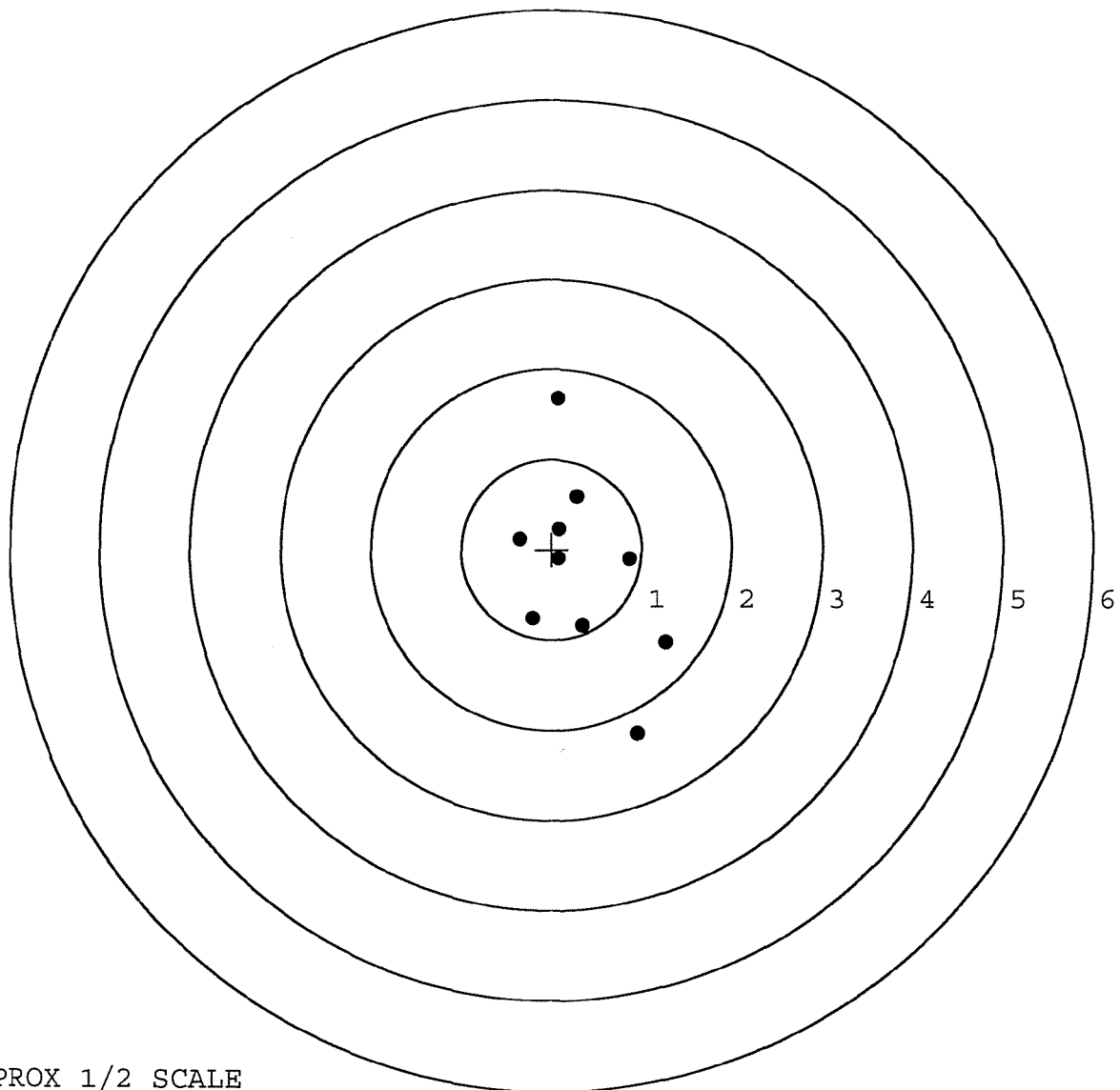
TARGET APPROX 1/2 SCALE

BARBER - M24 0110115

SERIAL NUMBER: C6349203. __0
TARGET NUMBER: 3
FILE DATE: 04/14/2005
FILE TIME: 06:57

POINT#	X	Y
1:	0.956	-2.041
2:	1.261	-1.031
3:	0.345	-0.848
4:	0.867	-0.111
5:	-0.213	-0.771
6:	0.074	1.673
7:	0.286	0.589
8:	0.075	-0.102
9:	-0.354	0.119
10:	0.085	0.227

X CENTROID: 0.338
Y CENTROID: -0.230
POA TO CENTROID: 0.409
HORZ SPREAD: 1.615
VERT SPREAD: 3.714
GROUP SPREAD: 3.817
MIN RADIUS: 0.292
MAX RADIUS: 1.921
MEAN RADIUS: 0.940
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8



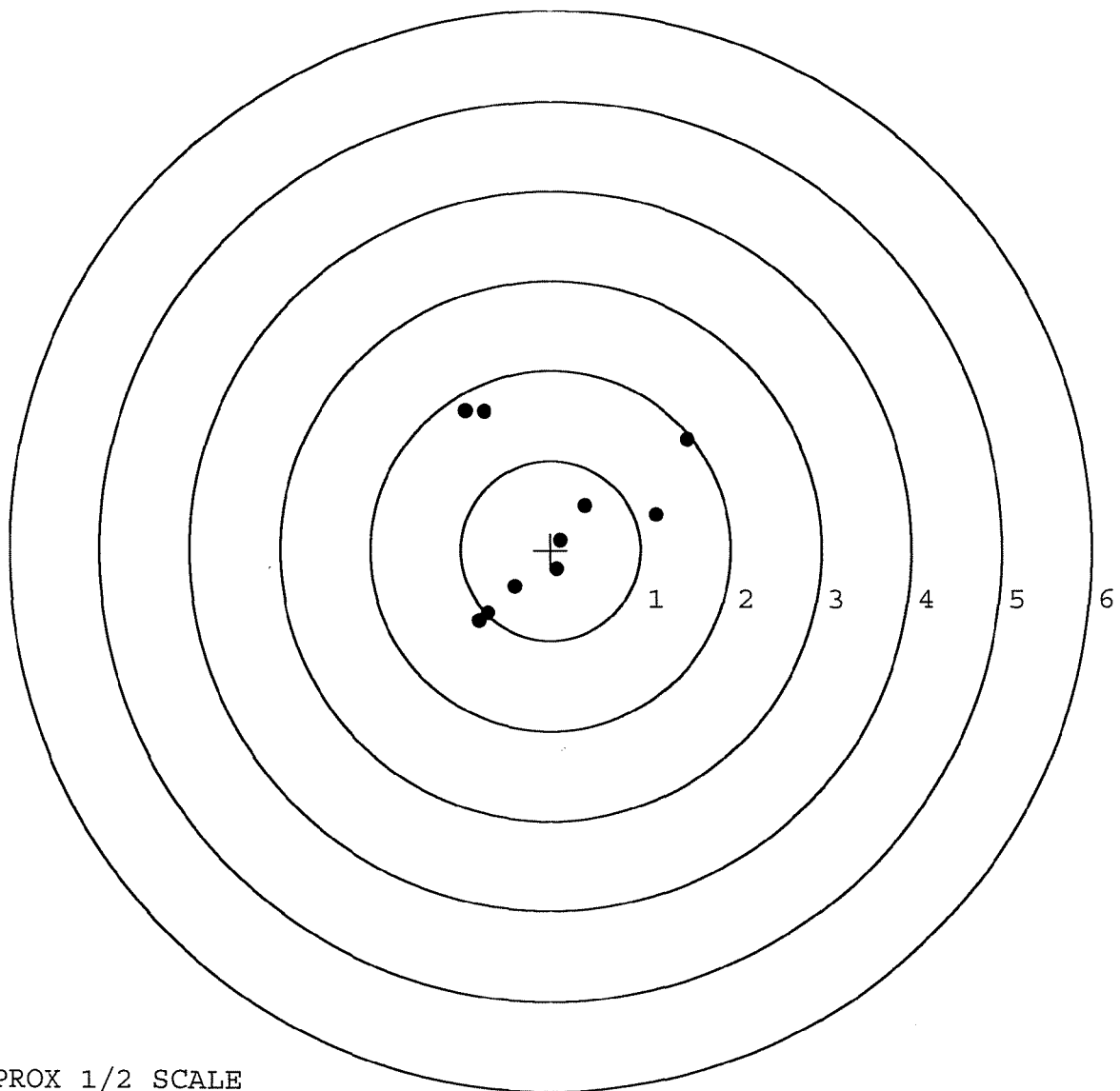
TARGET APPROX 1/2 SCALE

BARBER - M24 0110116

SERIAL NUMBER: C6349203. __0
TARGET NUMBER: 4
FILE DATE: 04/14/2005
FILE TIME: 06:57

POINT#	X	Y
1:	1.172	0.392
2:	1.511	1.237
3:	0.386	0.500
4:	0.107	0.107
5:	0.071	-0.215
6:	-0.404	-0.411
7:	-0.698	-0.703
8:	-0.797	-0.792
9:	-0.746	1.547
10:	-0.948	1.559

X CENTROID: -0.035
Y CENTROID: 0.322
POA TO CENTROID: 0.324
HORZ SPREAD: 2.459
VERT SPREAD: 2.351
GROUP SPREAD: 3.073
MIN RADIUS: 0.258
MAX RADIUS: 1.796
MEAN RADIUS: 1.061
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 8



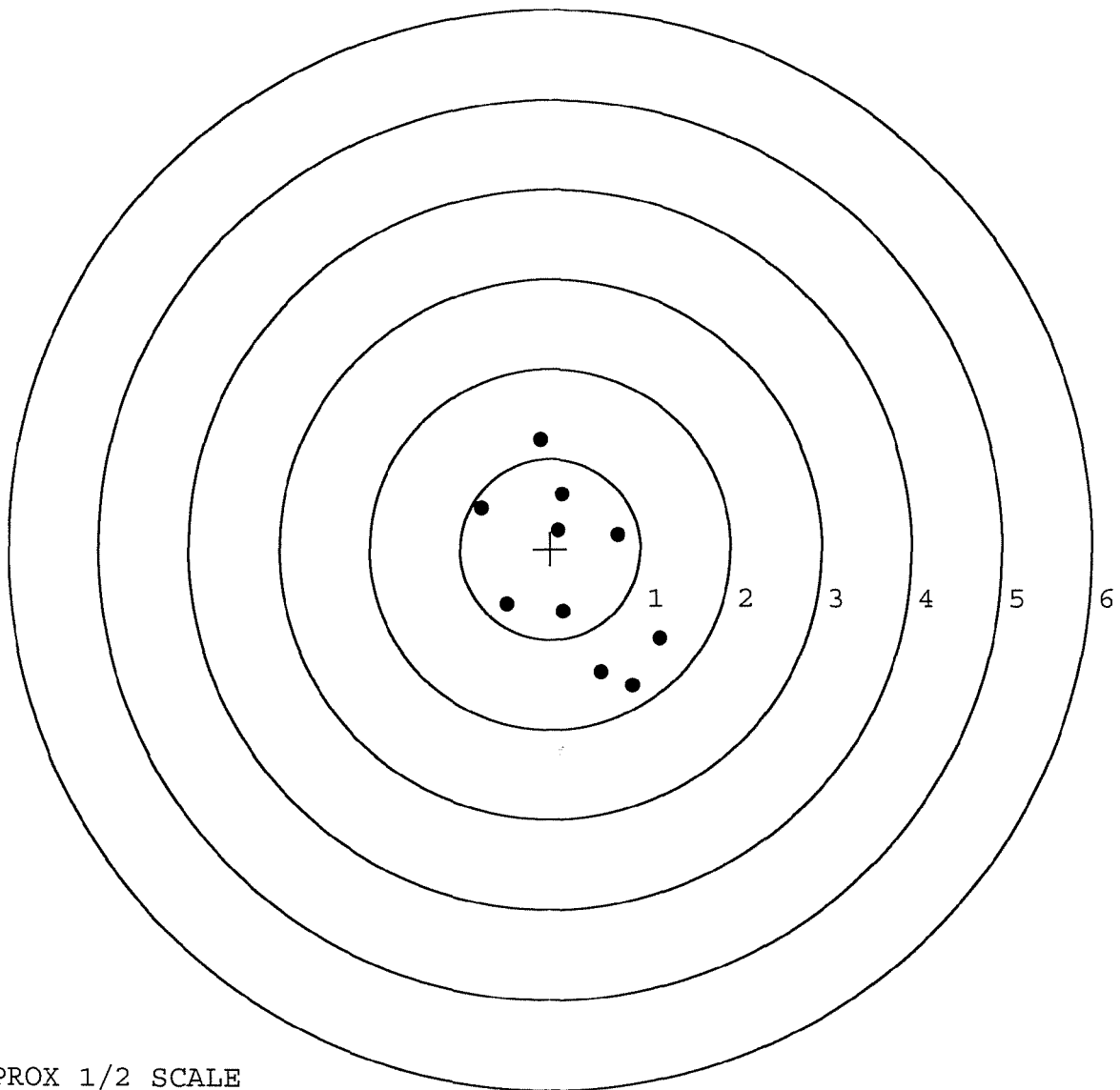
TARGET APPROX 1/2 SCALE

BARBER - M24 0110117

SERIAL NUMBER: C6349203.____0
TARGET NUMBER: 5
FILE DATE: 04/14/2005
FILE TIME: 06:57

POINT#	X	Y
1:	0.914	-1.515
2:	1.208	-0.995
3:	0.569	-1.362
4:	0.151	-0.697
5:	-0.482	-0.616
6:	0.747	0.158
7:	0.088	0.203
8:	0.137	0.609
9:	-0.772	0.460
10:	-0.107	1.207

X CENTROID: 0.245
Y CENTROID: -0.255
POA TO CENTROID: 0.354
HORZ SPREAD: 1.980
VERT SPREAD: 2.722
GROUP SPREAD: 2.907
MIN RADIUS: 0.452
MAX RADIUS: 1.504
MEAN RADIUS: 0.981
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

R & E NUMBER	92547		
SERIAL NUMBER	C6349203		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-14-05	RTL
560 A	RE-BARREL	3-17-05	RTL
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTL
600	PROOF	3-21-05	AK
605	CHECK HEADSPACE	3-21-05	AK
610	DIS-ASSEMBLE GUN	3-21-05	RTL
612	MAGNAFLUX	3-21-05	AK
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3/29	SW
620	APPLY COATINGS	4/5	HP
625 A	FINAL ASSEMBLY	4-13-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	4-19-05	AK
D	SAFETY "OFF" FORCE	4-19-05	AK
E	FIRING PIN INDENT	4-19-05	AK
640	TARGET	4-14-05	TRW
655	FINAL INSPECT	4-19-05	AC
660	PACK	4-20-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

BARBER - M24 0110119

ORDER
R 99-15264

ATTN PAMELA OCHS

ACCESSORIES	HARD CASE	SCOPE BASE
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SHIP TO:

KS 66442

KS
66442

ACCOUNT NUMBER	ACCOUNT NUMBER NYC
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WRITE ☐

PROM. DATE	ESTIMATED	VIA UPS
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REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL	100	100	100
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CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
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CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS

COMMENTS

Game 1	96003
Stock	96018

REPAIRMAN <i>RW</i>	PROOF <i>✓</i>	CLEAN <i>✓</i>	TEST <i>✓</i>	TARGET <i>✓</i>	PATTERN
GALLERY TESTER <i>RW</i>	DATE	DATE <i>9-2-99</i>	DATE <i>9-8-99</i>	DATE <i>9-8-99</i>	DATE

OFFICE COPY

FD-6925 REV. 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 014019 10158

Nagle, Thomas J.

From: Ochs, Pamela J [SMTP:OchsP@ria.army.mil]
Sent: Wednesday, August 04, 1999 10:12 AM
To: 'Nagle, Thomas J.'
Subject: RE: SWS Repair

Tom

Please ship serial number C6349203.

Repair Document Number: W52H09 9216 H259

Requisition Number : W90PER 9215 4012

Address:

PR C CO 1 16 Inf
CPR BLDG 7920
Ft. Riley KS 66442-5936

~~Pamela Ochs
AMSTA LC-CMI-D
DSN 793-2855~~

-----Original Message-----

From: Nagle, Thomas J. [mailto:nagletj@remington.com]
Sent: Monday, August 02, 1999 12:17 PM
To: 'Ochs, Pamela J'
Subject: SWS Repair

Pam,

Per our conversation of today, I have the following SWS that I need an address for.

The item was returned from Ft. Riley, KS and the serial number is C6349203. The paperwork has the POC as Spc. Irwin. I don't have enough information to enter it into our database because of an incomplete return address.

Please issue Field Requisition numbers and Repair Document Numbers too.

Thanks,
Tom

BARBER - M24 0110121

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6349203
9 Sep 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0244
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1968
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .198307
THE AMR FOR THIS RIFLE IS: 1.207

CENTROIDAL DISTANCES

0	TO	1	.155467
1	TO	2	.176409
1	TO	3	.574913
1	TO	4	.112272
1	TO	5	.180887

24⁺ <----POA
5 3

BARBER - M24 0110122

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .156

MIN RADIUS : .413

MEAN RADIUS : 1.275

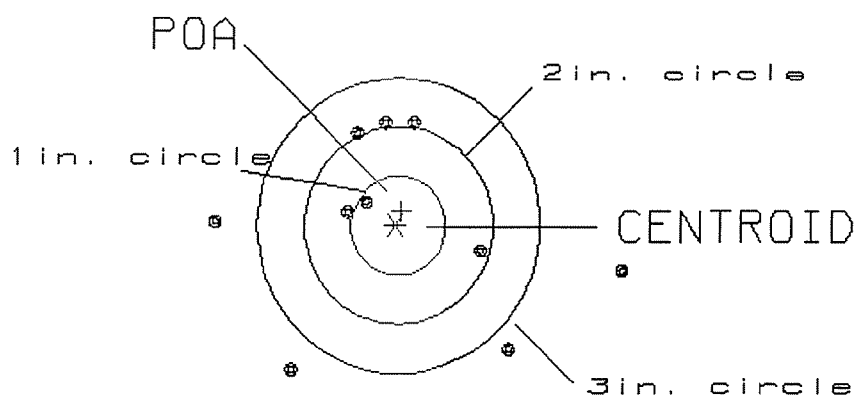
MAX RADIUS : 2.370

CENTROID X : -.061

CENTROID Y : -.143

9 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349203

CENTERFIRE PATTERN # 1

OF SHOTS= 10

IN CIRCLE

HS= 4.24

1

VS= 2.46

3

GS= 4.27

6

BARBER - M24 0110123

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .283

MIN RADIUS : .506

MEAN RADIUS : 1.249

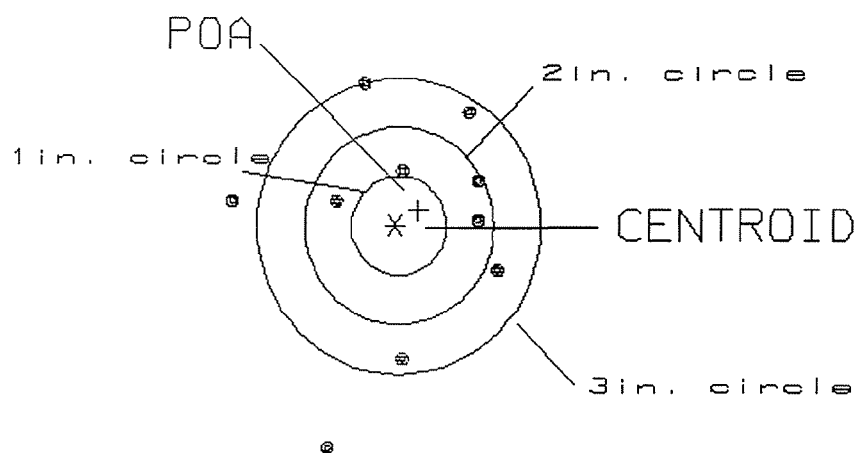
MAX RADIUS : 2.338

CENTROID X : -.237

CENTROID Y : -.155

9 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349203

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 2.79

0

VS= 3.66

4

GS= 3.69

8

BARBER - M24 0110124

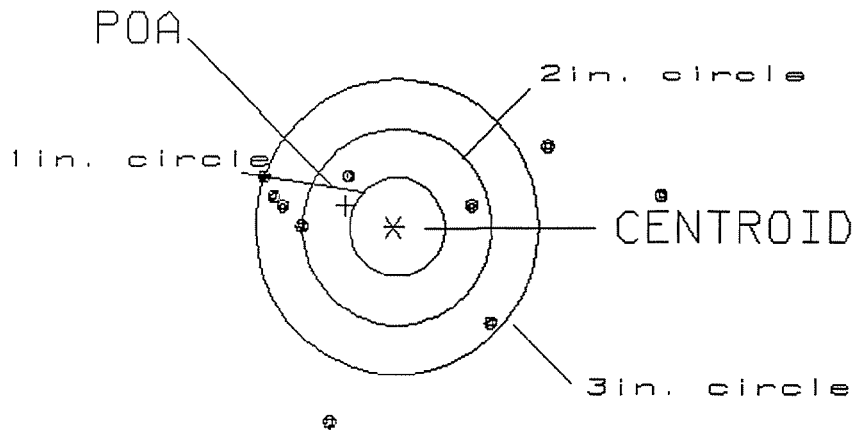
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐
POA TO CENTROID: .554
MIN RADIUS : .675
MEAN RADIUS : 1.486
MAX RADIUS : 2.817
CENTROID X : .509
CENTROID Y : -.218

9 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349203

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 4.26

0

VS= 2.77

2

GS= 4.26

6

BARBER - M24 0110125

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .244

MIN RADIUS : .379

MEAN RADIUS : 1.330

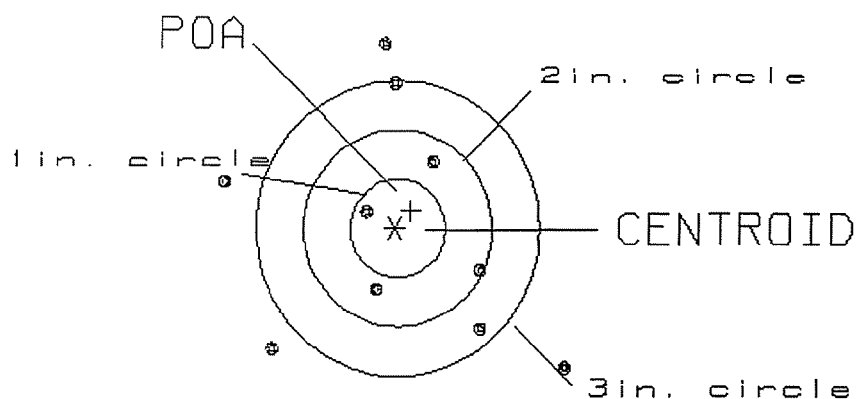
MAX RADIUS : 2.257

CENTROID X : -.168

CENTROID Y : -.177

9 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349283

CENTERFIRE PATTERN # 4

OF SHOTS= 10

IN CIRCLE

HS= 3.54

1

VS= 3.29

4

GS= 4.03

6

BARBER - M24 0110126

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .334

MIN RADIUS : .146

MEAN RADIUS : .693

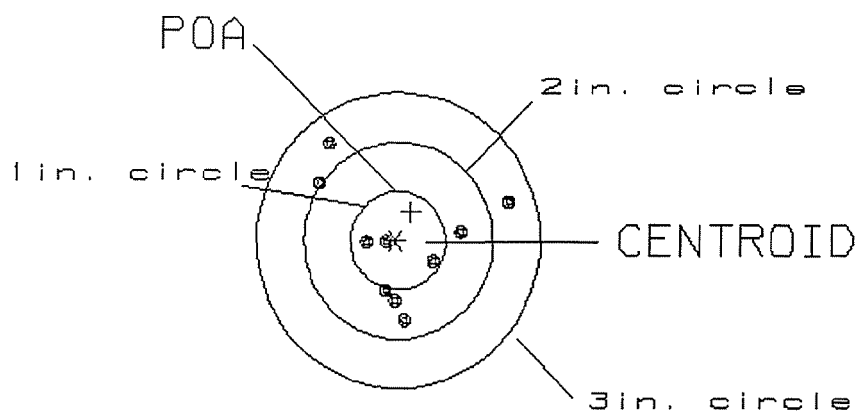
MAX RADIUS : 1.221

CENTROID X : -.165

CENTROID Y : -.291

9 Sep 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349203

CENTERFIRE PATTERN # 5

OF SHOTS= 10

IN CIRCLE

HS= 2.00

4

VS= 1.84

7

GS= 2.01

10

21 DAY TURN - AROUND

M-24

CONTRACT # DAAA09-92-C-0834

R&E NO.

SERIAL NO.

C6349503

LOG IN DATE: / /

DATE

INIT.

INSPECT & VERIFY:

OP. #

OP. NAME

550

DIS-ASSEMBLE GUN

8-14-99 Cu

560 A

RE-BARREL AT CUSTOM SHOP

B

DRILL & TAP

C

POLISH

575

ASSEMBLE

600

PROOF

8-17-99 RW

605

CHECK HEADSPACE

8-17-99 RW

610

DIS-ASSEMBLE

612

MAGNAFLUX

8-17-99

615

ROLLMARK CALIBER

618

ROTO-BLAST

620

APPLY COATINGS

625 A

FINAL ASSEMBLY

B

TRIGGER PULL TEST

C

SAFETY ON FORCE

D

SAFETY OFF FORCE

E

FIRING PIN INDENT

640

TARGET

9-8-99 RW

655

FINAL INSPECT

9-10-99 RW

660

PACK

QAR INSPECTION

SHIP DATE

Final Inspection

Sn: C6349203

DATE REC'D: 8-4-99

DATE RET'D:

Auditor: RW

Item:

Barrel Assy.

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

Scope Assy.

☐ Scope☐ Scope Rings☐ Mounting Screws☒ Mounting Base☒ Screws☐ Finish☐ Looseness☐ CLARITY

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

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

Systems Case

☐ Scope Case☐ IRON SIGHTS☐ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

Comments:



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

MODEL 700™ M24	SERIAL NO. C6349203
	ORDER NO. 5716

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

01



5716 C6349203

UPC



0 47700 25716 7

GUN SERIAL # 06349203

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 31	90	RW
600	Proof	3 31	90	RW
607	Check Headspace	3 31	90	RW
610	Dis-assemble Gun	3 31	90	RW
612	Magnaflux Barrel Action	4-2-90		KER
	Magnaflux Bolt	4-2-90		KER
615	Rollmark Caliber	4-2-90		g.s.
617	Drill and Tap Sight Holes		4/4/90	FB
618	Polish Barrel RB		4/5/90	WB
620	Apply Coatings (Barrel Action)		4-9-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/4/90	JL

BARBER - M24 0110131

BARBER - M24 0110131								
op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	5/4/90	SL		
	G) Safety Off Force	3	3	3	5/4/90	SL		
	H) Trigger Pull Test & Retainability				5/4/90	M		
	I) Firing Pin Indent	.021	.021	.0215	5/4/90	M		
	J) Assemble Stock				5/7/90	RW		
	K) Assemble Swivel Studs				5/8/90	WB		
	L) Attach Front and Rear Sight Assemblies				5/7/90	RW		
	M) Iron Sight Alignment				5/7/90	SL		
	N) Detach Front & Rear Sights & place in numbered container				5/7/90	RW		
	O) Attach Scope to Rifle				5/7/90	SL		
	P) Detach & Attach Scope 20 Times				5/7/90	SL		
640	Gallery Target & Test				5-7-90	DH		
	A) Time				5-7-90	DH		
	B) Malfunctions				5-7-90	DH		
	C) Pierced Primers				5-7-90	DH		
	D) Optical Clarity of Scope				5-7-90	DH		
645	Inspect for Live Ammo				5-7-90	DH		
655	Final Inspection				5/8/90	WB		
	A) Headspace							
	B) Trigger Pull	2.38	2.42	2.37	2.41	2.37	5/7/90	WB
	C) Function						5/8/90	WB
660	Pack						6/4/90	DH

STAG
AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6349203DATE 5/4/90TESTER gm

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.52	2.30	2.38	MIN. SETTING,
PULL #2	2.43	2.48	2.24	2.42	NO AVG. OF 5
PULL #3	2.43	2.41	2.28	2.39	READINGS ACCEPT-
PULL #4	2.51	2.45	2.22	2.41	ABLE LESS THAN 2#
PULL #5	2.47	2.52	2.25	2.39	
TOTAL	12.33	12.38	11.29		
AVG.	2.466	2.476	2.258		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.35		
PULL #2	3.47	3.31		
PULL #3	3.47	3.37		
PULL #4	3.35	3.37		
PULL #5	3.39	3.41		
TOTAL	17.10	16.81		
AVG.	3.42	3.362		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.42		4.22
PULL #2	4.19	4.45		4.30
PULL #3	4.46	4.47		4.22
PULL #4	4.43	4.45		4.27
PULL #5	4.46	4.50		4.29
TOTAL	21.76	22.29		21.30
AVG.	4.352	4.458		4.26

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349203
7 May 1990

CENTROIDAL DISTANCES

0 TO	1	.0577062
1 TO	2	.510633
1 TO	3	.326098
1 TO	4	.353638
1 TO	5	.133724

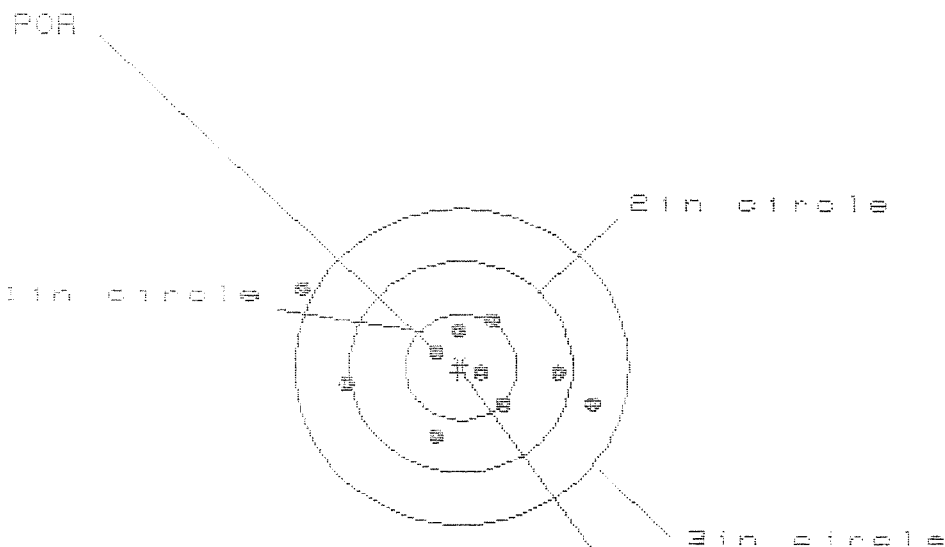
$\pm b_d$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1214
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1418
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .186669
THE AMR FOR THIS RIFLE IS: .689

7 May 1993

FILE:/PATTERNING/CENTERFIRE_PATT/06349203

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS = 2.581

VS = 1.485

GS = 2.833

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.138	.978	.887
MINIMUM X	-1.443	-1.143	-1.021
MAXIMUM Y	.786	.561	.524
MINIMUM Y	-.699	-.612	-.649
CENTROID X	.027	.187	.065
CENTROID Y	.051	-.036	.001
POA TO CENTROID in.	.058	.191	.065
MIN RADIUS	.196	.029	.146
MEAN RADIUS	.742	.615	.569
MAX RADIUS	1.643	1.147	1.029
HORIZONTAL SPREAD	2.581	2.121	1.828
VERTICAL SPREAD	1.485	1.173	1.173
EXTREME SPREAD	2.833	2.131	1.830
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

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FILE:/PATTERNING/CENTERFIRE_PATT/08349203

CENTERFIRE PATTERNS

2

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 3

2in = 8

3in = 9

HOF = 1.8888

VOS = 2.051

GOS = 2.299

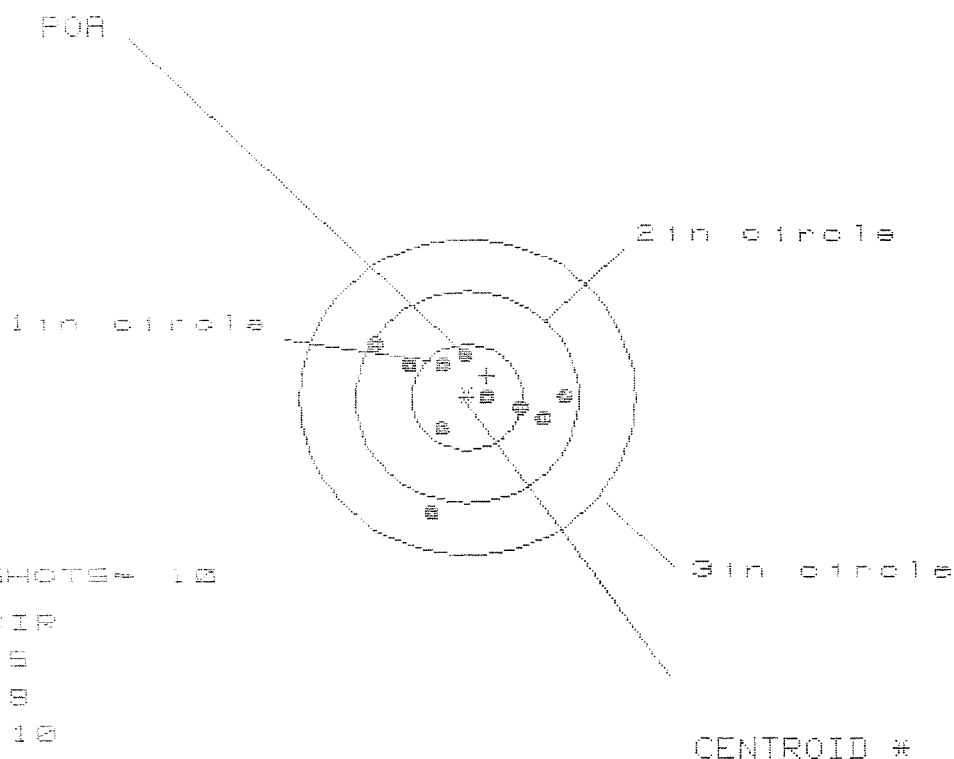
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.921	.690	.765
MINIMUM X	-.947	-.845	-.759
MAXIMUM Y	.835	.700	.478
MINIMUM Y	-1.216	-.616	-.529
CENTROID X	.338	.236	.150
CENTROID Y	-.354	-.219	-.306
POR TO CENTROID in.	.490	.322	.341
MIN RADIUS	.299	.143	.141
MEAN RADIUS	.727	.611	.550
MAX RADIUS	1.525	.983	.847
HORIZONTAL SPREAD	1.868	1.535	1.524
VERTICAL SPREAD	2.051	1.316	1.007
EXTREME SPREAD	2.299	1.835	1.631
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1in = 5

2in = 8

3in = 10

HS= 1.607

VS= 1.585

GS= 1.670

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.827	.788	.686
MINIMUM X	-.788	-.819	-.682
MAXIMUM Y	.502	.381	.370
MINIMUM Y	-1.083	-.439	-.391
CENTROID X	-.175	-.136	-.034
CENTROID Y	-.285	-.084	-.132
FOR TO CENTROID in.	.269	.160	.136
MIN RADIUS	.216	.229	.124
MEAN RADIUS	.617	.546	.488
MAX RADIUS	1.138	.903	.715
HORIZONTAL SPREAD	1.607	1.607	1.348
VERTICAL SPREAD	1.585	.820	.761
EXTREME SPREAD	1.670	1.670	1.380
NUMBER IN ONE INCH CIRCLE	= 5		
NUMBER IN TWO INCH CIRCLE	= 9		
NUMBER IN THREE INCH CIRCLE	= 10		

7 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C63452B3

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS = 2.063

VS = 1.864

GS = 2.098

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.858	.724	.712
MINIMUM X	-1.205	-1.060	-1.072
MAXIMUM Y	.704	.686	.539
MINIMUM Y	-1.160	-1.178	-.391
CENTROID X	.329	.463	.475
CENTROID Y	-.133	-.115	.032
POA TO CENTROID in.	.355	.477	.476
MIN RADIUS	.205	.083	.095
MEAN RADIUS	.725	.638	.560
MAX RADIUS	1.215	1.182	1.073
HORIZONTAL SPREAD	2.063	1.784	1.784
VERTICAL SPREAD	1.864	1.864	.930
EXTREME SPREAD	2.098	1.903	1.787
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

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FILE:/PATTERNING/CENTERFIRE_PATT/06949203

CENTERFIRE PATTERNS

5

POR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.479

VS= 1.568

GS= 2.033

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.975
MINIMUM X	-.504
MAXIMUM Y	.942
MINIMUM Y	-.654
CENTROID X	.088
CENTROID Y	-.068
POR TO CENTROID (in.)	.111
MIN RADIUS	.129
MEAN RADIUS	.634
MAX RADIUS	1.355
HORIZONTAL SPREAD	1.479
VERTICAL SPREAD	1.596
EXTREME SPREAD	2.033
NUMBER IN ONE INCH CIRCLE	4
NUMBER IN TWO INCH CIRCLE	8
NUMBER IN THREE INCH CIRCLE	10