

BARBER - M24 0024360

06587645

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

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: RE00144839

Serial: C6587645 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 4/24/2008 10:56:21 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: B/210TH BSB

B/210TH BSB

Address 1: 2 BCT

2 BCT

Address 2: 10 TH MTN DIV

PO Box:

10 TH MTN DIV

PO Box:

City: FORT DRUM

FORT DRUM

State: NY Zip Code: 13602

Country: US

State: NY Zip Code: 13602

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

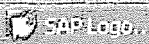
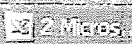
Code	Desc	Qty
A007	With Stud	3
A008	With Swivel	2
A010	Hard Case	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

naglej

4/24/2008

12:26 PM

NUM

Serial:
Number:

C6587645

Model: M24 SWS



RE00144839

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

R & E NUMBER

144839

SERIAL NUMBER

C6587645

LOG-IN DATE

4-24-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	5-5-08	RTZ
505	RE-BARREL	5-6-08	RTZ
560	ASSEMBLE	5-6-08	RTZ
600	PROOF	5-7-08	TRW
605	CHECK HEADSPACE	5-7-08	TRW
610	DIS-ASSEMBLE GUN	5-7-08	RTZ
612	MAGNAFLUX	5/9/08	unnd
510	DRILL AND TAP	5-7-08	TRW
615	ROLLMARK CALIBER	5-7-08	CW
618	ROTO-BLAST	5-9-08	DG
620	APPLY COATINGS	5/19/08	unnd
625	FINAL ASSEMBLY	5-22-08	RTZ
640	FUNCTION TEST AND	5-22-08	SD
650	TARGET	5-22-08	SD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	5-22-08	RP
	A) HEADSPACE	5/27/08	Fm
		5/27/08	Fm
	B) TRIGGER PULL	2.52 2.36 2.28 2.32 2.37	5/27/08 Fm
680	F) SAFETY ON FORCE	4- 4- 4-	5/27/08 Fm
	G) SAFETY OFF FORCE	3- 3- 3-	5/27/08 Fm
	I) FIRING PIN INDENT	.021 .021 .021	5/27/08 Fm
690	PACK		5/29/08 Fm

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587645.___0
FILE DATE AND TIME: 05/23/2008 05:31

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.025
The Average Y Centroid of the Five Target Set:	-0.078
The Average Point of Impact of the Five Target Set:	0.082
The Average Mean Radius of the Five Target Set:	0.757
The Distance from POA to Centroid Target #1:	0.223
The Distance from Centroid Target #2 to Centroid Target #1:	0.515
The Distance from Centroid Target #3 to Centroid Target #1:	0.336
The Distance from Centroid Target #4 to Centroid Target #1:	0.251
The Distance from Centroid Target #5 to Centroid Target #1:	0.224

BARBER - M24 0024364

SERIAL NUMBER: C6587645. __0

TARGET NUMBER: 1

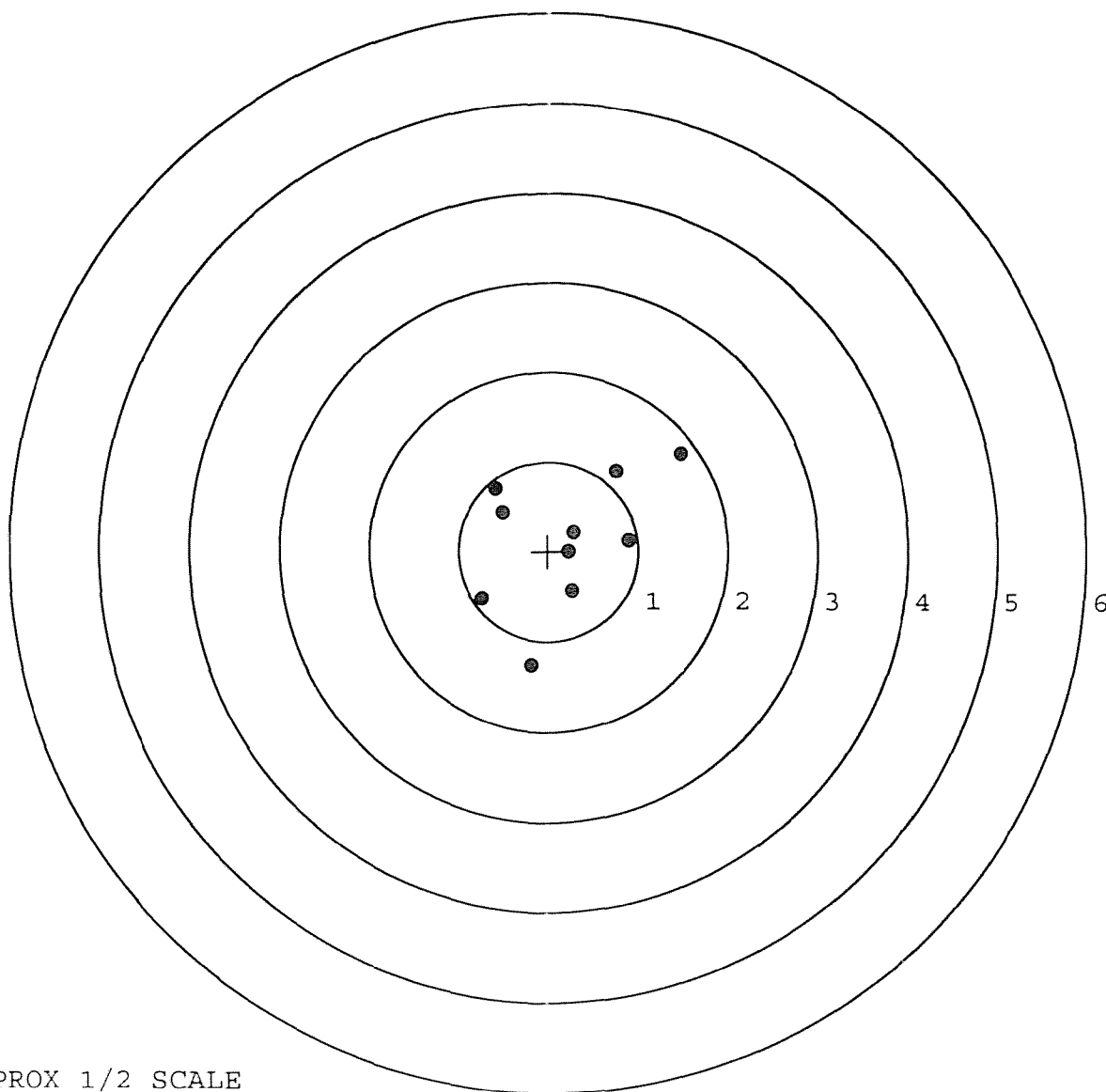
FILE DATE: 05/23/2008

FILE TIME: 05:31

X CENTROID: 0.188
Y CENTROID: 0.119
POA TO CENTROID: 0.223
HORZ SPREAD: 2.209
VERT SPREAD: 2.348
GROUP SPREAD: 2.877
MIN RADIUS: 0.133
MAX RADIUS: 1.605
MEAN RADIUS: 0.842

POINT#	X	Y
1:	1.472	1.083
2:	0.756	0.894
3:	0.898	0.126
4:	0.290	0.210
5:	0.229	-0.007
6:	0.268	-0.446
7:	-0.190	-1.265
8:	-0.737	-0.531
9:	-0.512	0.429
10:	-0.590	0.699

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0024365

SERIAL NUMBER: C6587645. __0

TARGET NUMBER: 2

FILE DATE: 05/23/2008

FILE TIME: 05:31

X CENTROID: -0.209

Y CENTROID: -0.208

POA TO CENTROID: 0.295

HORZ SPREAD: 2.003

VERT SPREAD: 2.175

GROUP SPREAD: 2.800

MIN RADIUS: 0.205

MAX RADIUS: 1.464

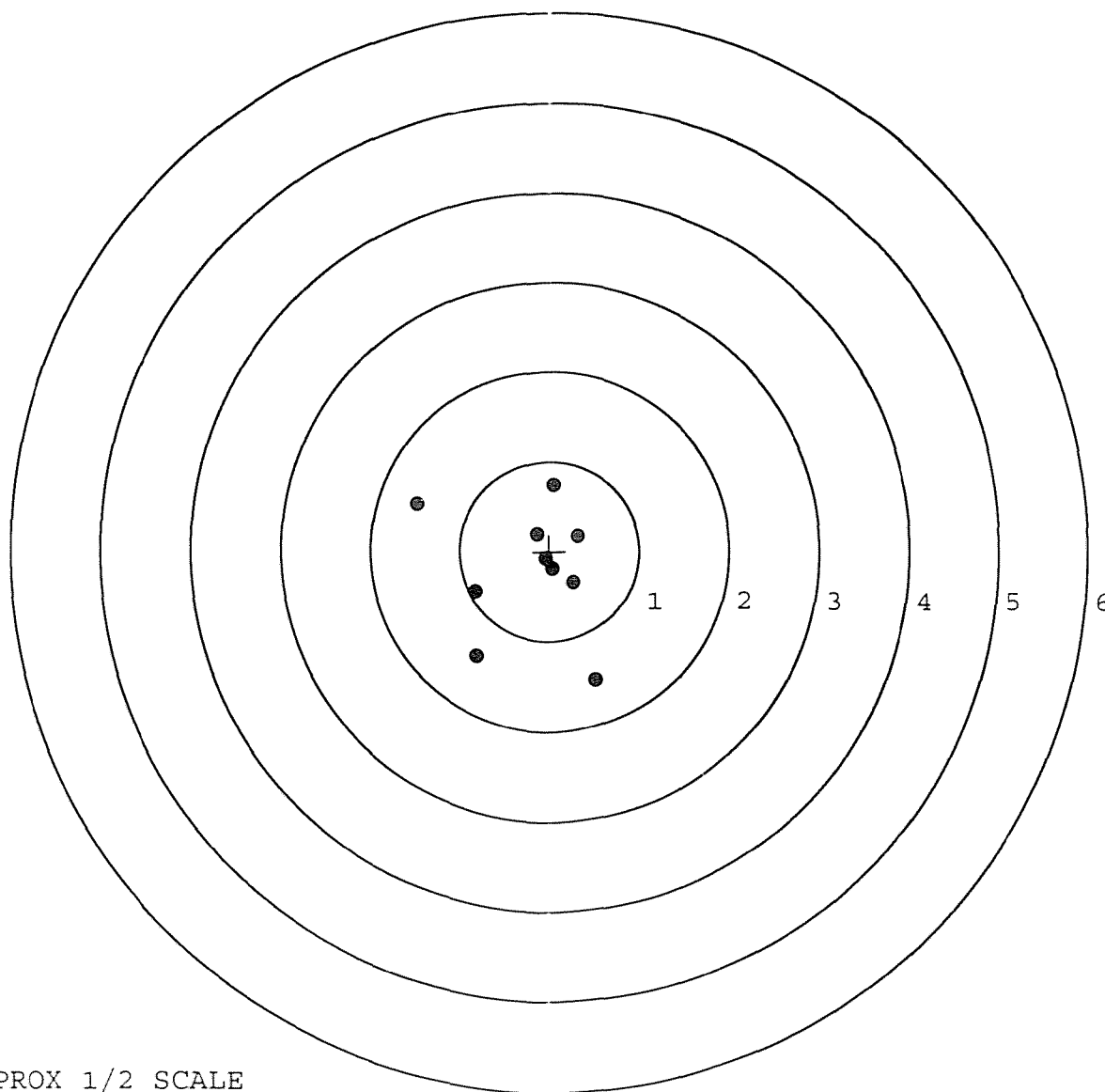
MEAN RADIUS: 0.767

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.522	-1.440
2:	-0.807	-1.167
3:	-0.824	-0.452
4:	-1.481	0.517
5:	0.047	0.735
6:	0.322	0.165
7:	-0.135	0.189
8:	-0.046	-0.085
9:	0.039	-0.198
10:	0.270	-0.349



TARGET APPROX 1/2 SCALE

BARBER - M24 0024366

SERIAL NUMBER: C6587645. __0

TARGET NUMBER: 3

FILE DATE: 05/23/2008

FILE TIME: 05:31

X CENTROID: -0.015

Y CENTROID: -0.149

POA TO CENTROID: 0.150

HORZ SPREAD: 1.434

VERT SPREAD: 1.658

GROUP SPREAD: 1.858

MIN RADIUS: 0.199

MAX RADIUS: 1.008

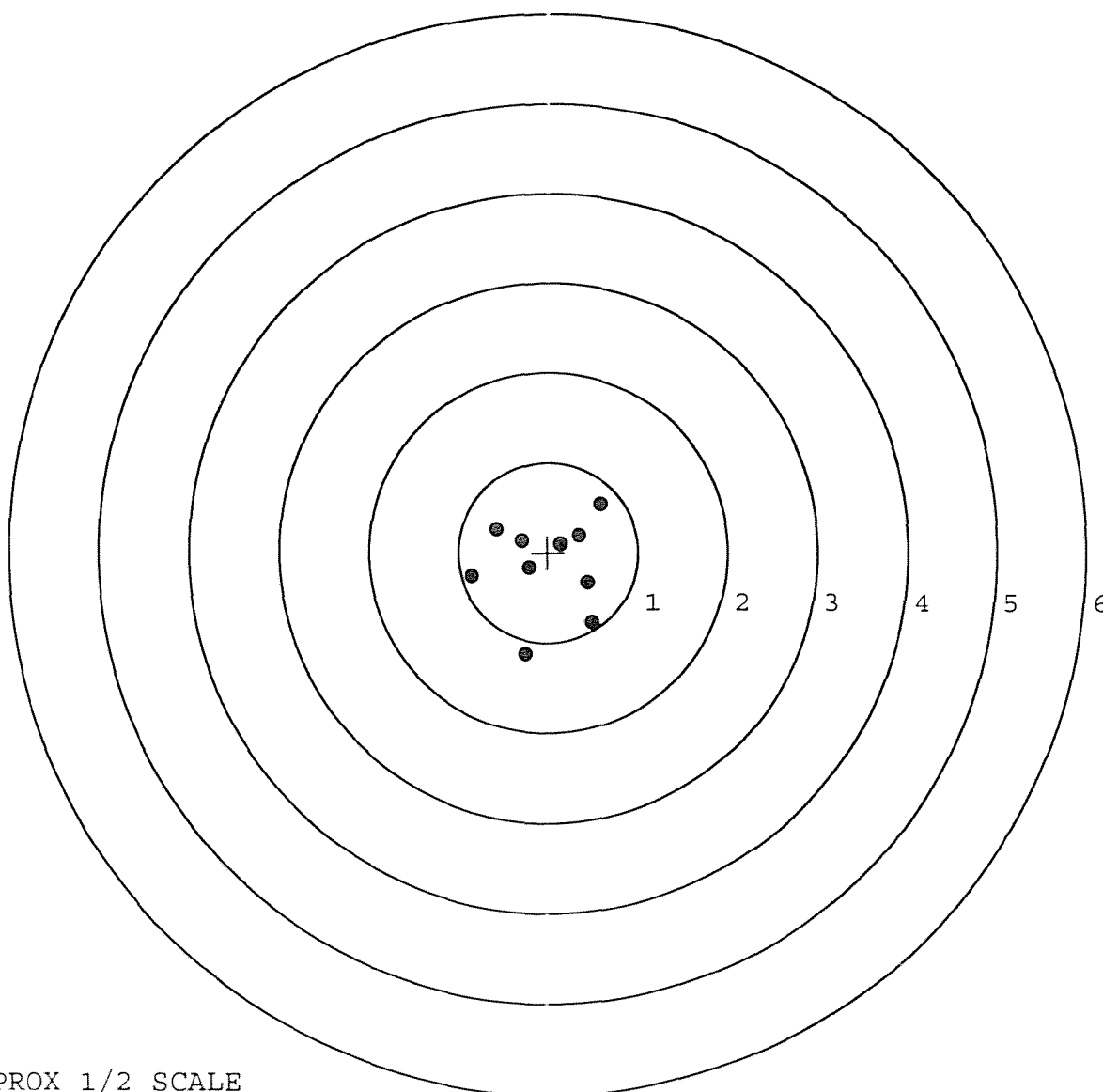
MEAN RADIUS: 0.614

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.500	-0.786
2:	0.442	-0.340
3:	-0.252	-1.129
4:	0.586	0.529
5:	0.353	0.188
6:	0.144	0.096
7:	-0.291	0.131
8:	-0.212	-0.171
9:	-0.568	0.255
10:	-0.848	-0.264



TARGET APPROX 1/2 SCALE

BARBER - M24 0024367

SERIAL NUMBER: C6587645. __0

TARGET NUMBER: 4

FILE DATE: 05/23/2008

FILE TIME: 05:31

X CENTROID: 0.145

Y CENTROID: -0.128

POA TO CENTROID: 0.194

HORZ SPREAD: 1.519

VERT SPREAD: 2.632

GROUP SPREAD: 2.647

MIN RADIUS: 0.073

MAX RADIUS: 1.440

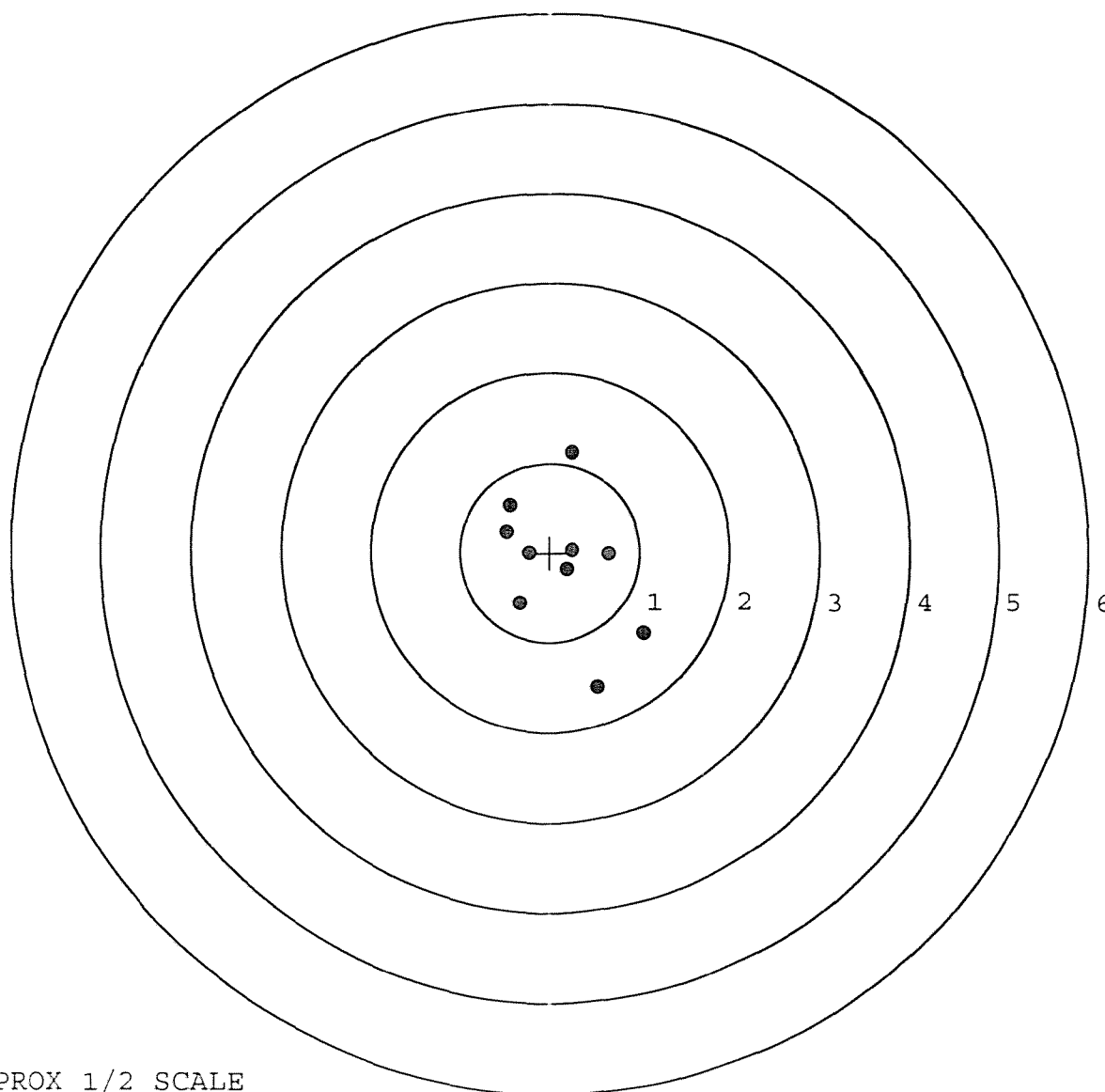
MEAN RADIUS: 0.731

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.041	-0.903
2:	0.539	-1.513
3:	0.660	-0.016
4:	0.251	0.030
5:	0.188	-0.188
6:	-0.229	0.003
7:	-0.329	-0.571
8:	-0.478	0.230
9:	-0.443	0.526
10:	0.253	1.119



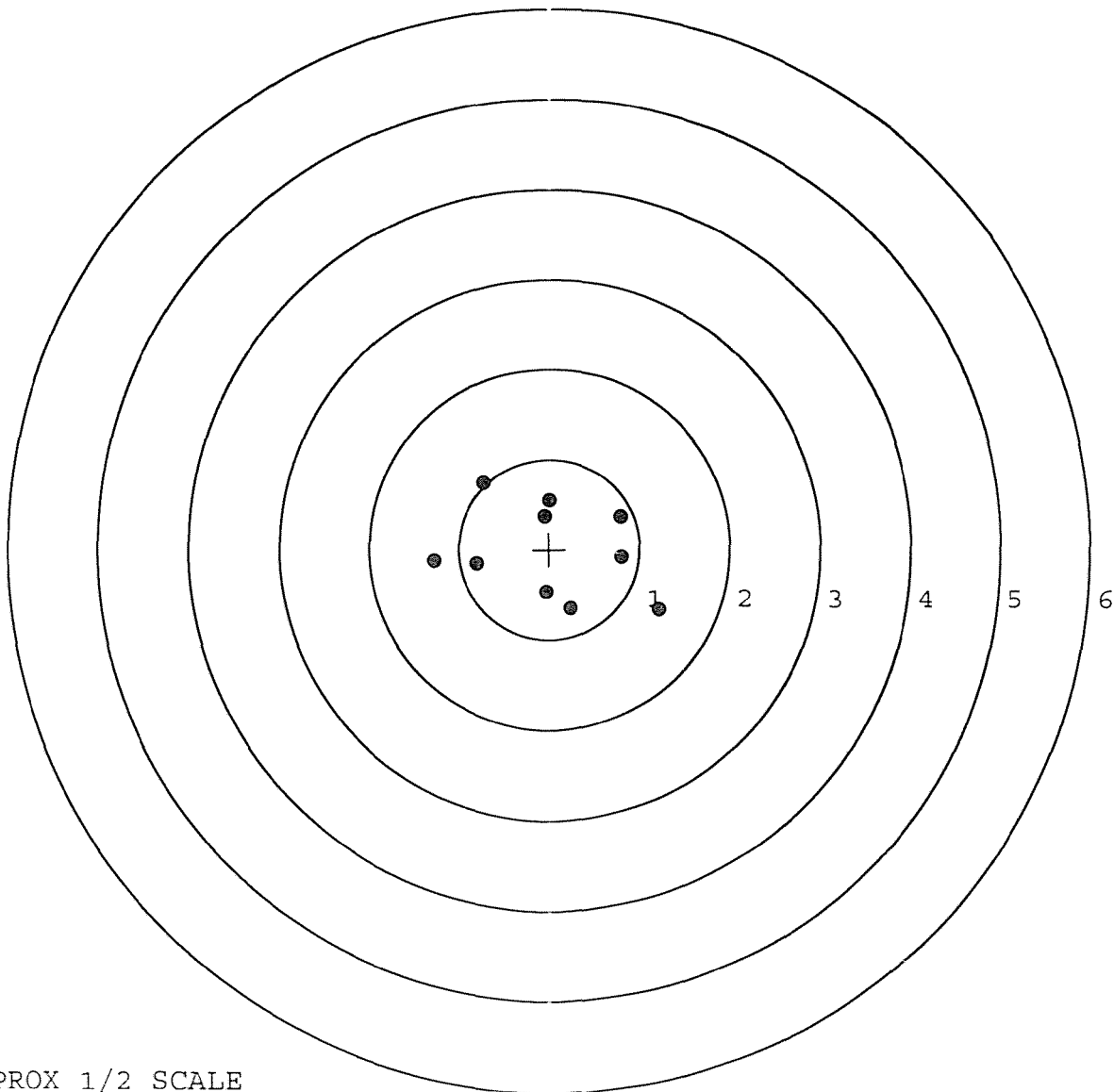
TARGET APPROX 1/2 SCALE

BARBER - M24 0024368

SERIAL NUMBER: C6587645. __0
TARGET NUMBER: 5
FILE DATE: 05/23/2008
FILE TIME: 05:31

	POINT#	X	Y
	1:	1.208	-0.679
	2:	0.804	-0.098
	3:	0.793	0.351
	4:	0.235	-0.662
	5:	-0.037	-0.478
	6:	-0.060	0.362
	7:	0.004	0.543
	8:	-0.725	0.735
	9:	-0.794	-0.172
	10:	-1.279	-0.134

X CENTROID: 0.015
Y CENTROID: -0.023
POA TO CENTROID: 0.028
HORZ SPREAD: 2.487
VERT SPREAD: 1.414
GROUP SPREAD: 2.546
MIN RADIUS: 0.392
MAX RADIUS: 1.361
MEAN RADIUS: 0.829
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0024369

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: RE00092471 Serial: C6587645 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 12/19/1990 Repairman: Status: Closed 2/4/2005 9:38:01 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 AL Zip Code: 362014199 362014199 Country: US 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	Fit and Rear Sgt Base	1

Repair Search Refresh Close

maglet 2/7/2005 11:26 AM DAPS NUM TIME SCPL

start 3 3

Serial Number: C6587645

Model: M24 SWS

RE00092471

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0024369 0024408

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587645.___0
FILE DATE AND TIME: 04/29/2005 06:43

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

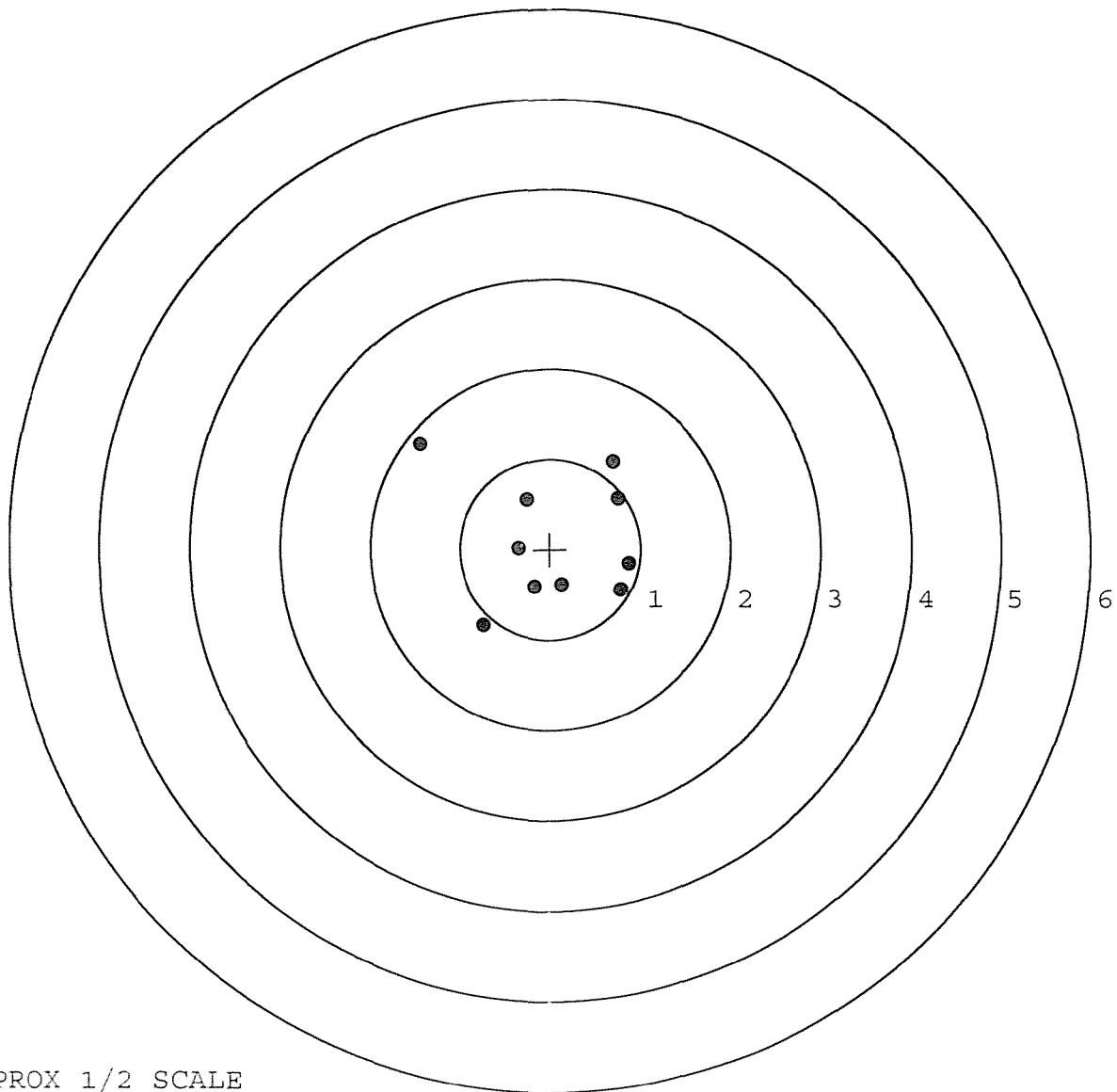
The Average X Centroid of the Five Target Set:	-0.047
The Average Y Centroid of the Five Target Set:	0.049
The Average Point of Impact of the Five Target Set:	0.067
The Average Mean Radius of the Five Target Set:	0.709
The Distance from POA to Centroid Target #1:	0.101
The Distance from Centroid Target #2 to Centroid Target #1:	0.083
The Distance from Centroid Target #3 to Centroid Target #1:	0.066
The Distance from Centroid Target #4 to Centroid Target #1:	0.161
The Distance from Centroid Target #5 to Centroid Target #1:	0.327

BARBER - M24 0024371

SERIAL NUMBER: C6587645. __0
TARGET NUMBER: 1
FILE DATE: 04/29/2005
FILE TIME: 06:43

POINT#	X	Y
1:	-1.441	1.164
2:	-0.255	0.542
3:	-0.347	0.007
4:	0.131	-0.398
5:	-0.178	-0.417
6:	-0.735	-0.843
7:	0.786	-0.451
8:	0.871	-0.166
9:	0.757	0.557
10:	0.702	0.971

X CENTROID: 0.029
Y CENTROID: 0.097
POA TO CENTROID: 0.101
HORZ SPREAD: 2.312
VERT SPREAD: 2.007
GROUP SPREAD: 2.751
MIN RADIUS: 0.387
MAX RADIUS: 1.817
MEAN RADIUS: 0.878
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

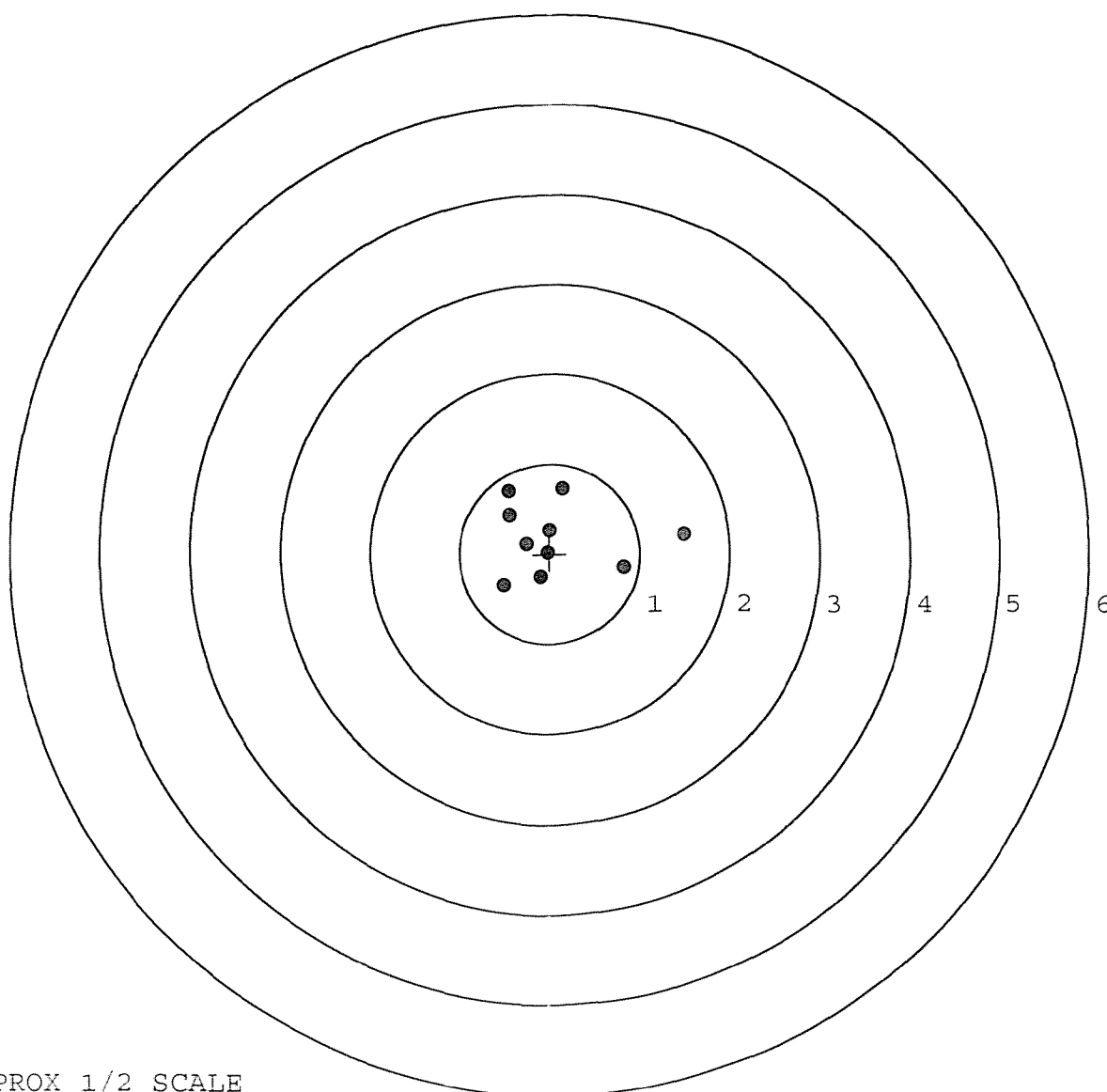
BARBER - M24 0024372

SERIAL NUMBER: C6587645. __0
TARGET NUMBER: 2
FILE DATE: 04/29/2005
FILE TIME: 06:43

X CENTROID: 0.066
Y CENTROID: 0.171
POA TO CENTROID: 0.184
HORZ SPREAD: 2.002
VERT SPREAD: 1.071
GROUP SPREAD: 2.083
MIN RADIUS: 0.115
MAX RADIUS: 1.425
MEAN RADIUS: 0.598

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.142	0.720
2:	-0.459	0.695
3:	-0.443	0.432
4:	0.001	0.266
5:	-0.259	0.119
6:	-0.024	0.014
7:	-0.103	-0.257
8:	-0.512	-0.351
9:	0.825	-0.149
10:	1.490	0.224



TARGET APPROX 1/2 SCALE

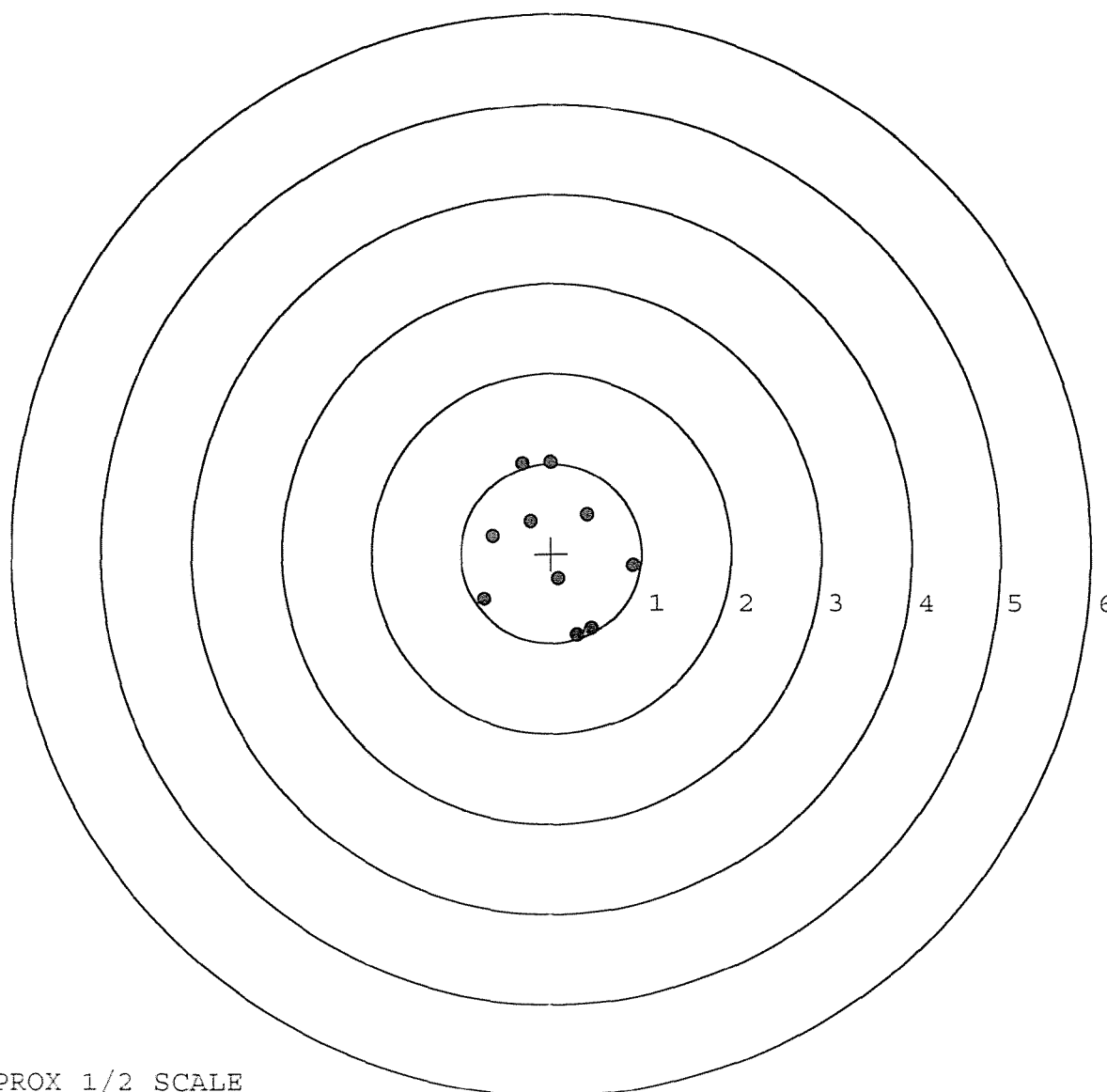
BARBER - M24 0024373

SERIAL NUMBER: C6587645. __0
TARGET NUMBER: 3
FILE DATE: 04/29/2005
FILE TIME: 06:43

X CENTROID: 0.018
Y CENTROID: 0.032
POA TO CENTROID: 0.037
HORZ SPREAD: 1.648
VERT SPREAD: 1.930
GROUP SPREAD: 2.017
MIN RADIUS: 0.320
MAX RADIUS: 1.031
MEAN RADIUS: 0.779

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.321	1.005
2:	-0.012	1.015
3:	-0.229	0.359
4:	-0.647	0.197
5:	-0.743	-0.518
6:	0.082	-0.282
7:	0.447	-0.846
8:	0.296	-0.915
9:	0.905	-0.131
10:	0.406	0.432



TARGET APPROX 1/2 SCALE

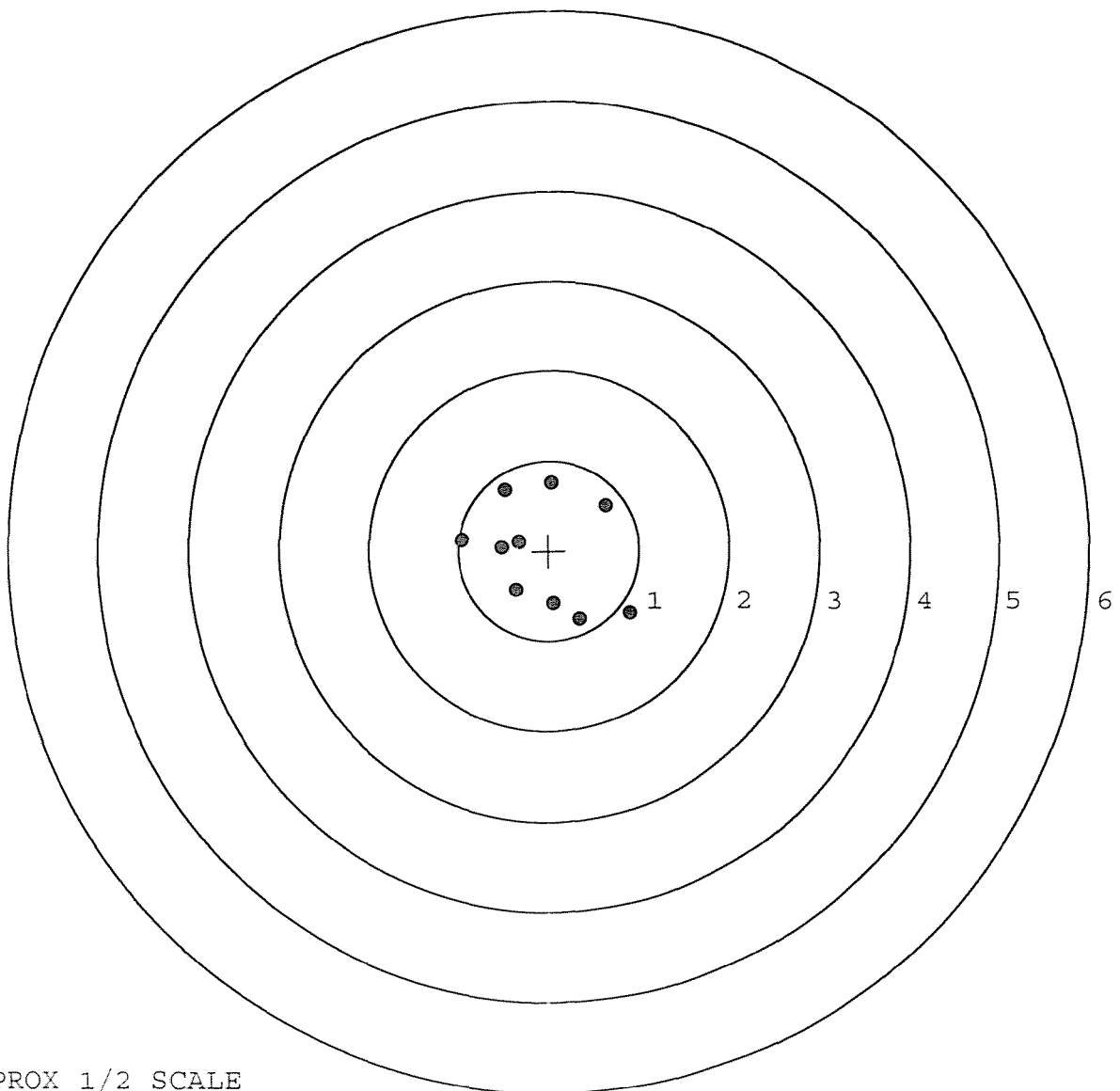
BARBER - M24 0024374

SERIAL NUMBER: C6587645. __0
TARGET NUMBER: 4
FILE DATE: 04/29/2005
FILE TIME: 06:43

X CENTROID: -0.072
Y CENTROID: -0.030
POA TO CENTROID: 0.077
HORZ SPREAD: 1.861
VERT SPREAD: 1.524
GROUP SPREAD: 2.030
MIN RADIUS: 0.291
MAX RADIUS: 1.175
MEAN RADIUS: 0.723

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.033	0.758
2:	-0.485	0.674
3:	-0.965	0.115
4:	-0.330	0.103
5:	-0.518	0.043
6:	-0.366	-0.436
7:	0.048	-0.588
8:	0.344	-0.766
9:	0.896	-0.697
10:	0.628	0.497



TARGET APPROX 1/2 SCALE

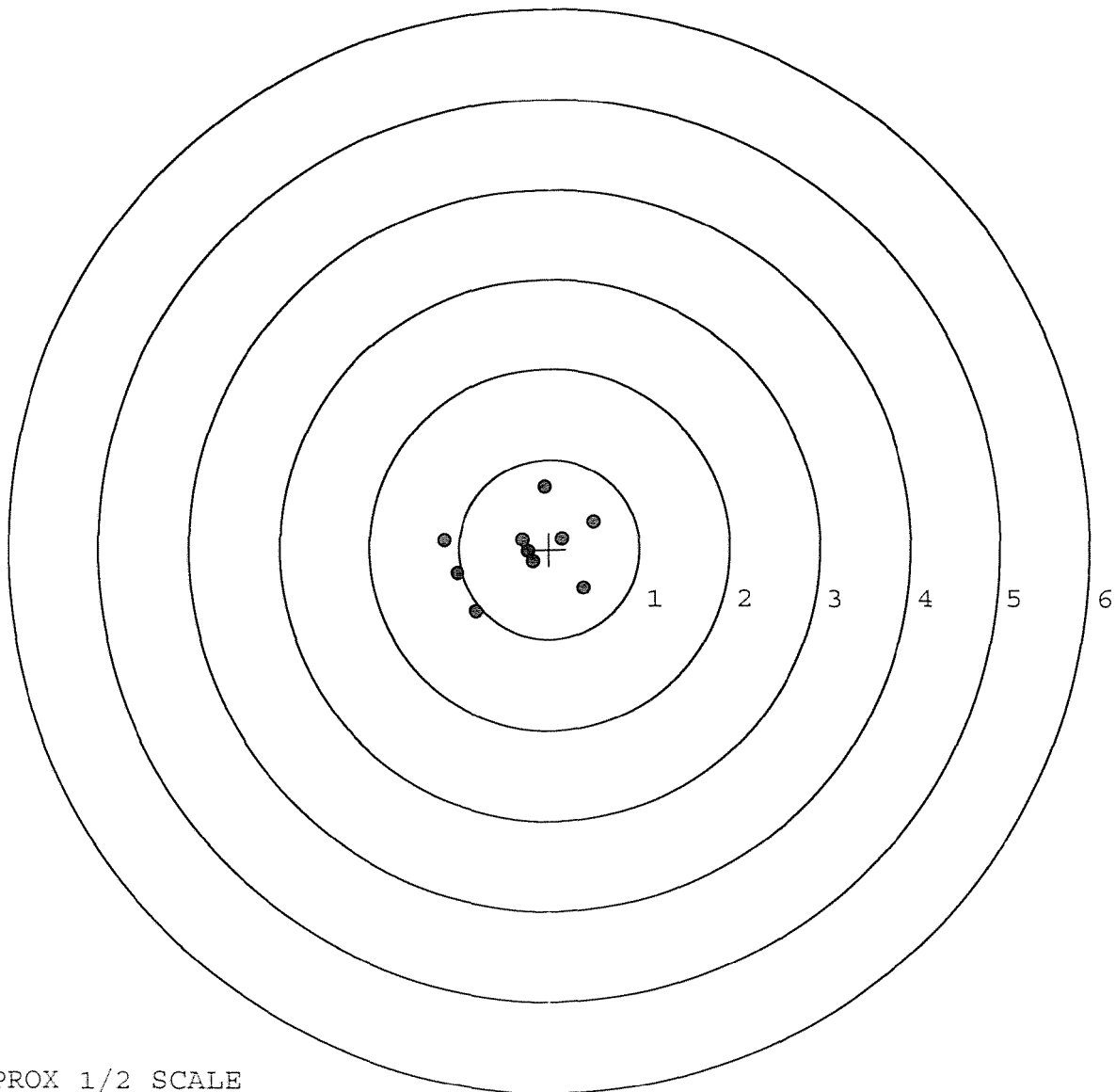
BARBER - M24 0024375

SERIAL NUMBER: C6587645. __0
TARGET NUMBER: 5
FILE DATE: 04/29/2005
FILE TIME: 06:43

X CENTROID: -0.275
Y CENTROID: -0.025
POA TO CENTROID: 0.276
HORZ SPREAD: 1.653
VERT SPREAD: 1.401
GROUP SPREAD: 1.666
MIN RADIUS: 0.038
MAX RADIUS: 0.894
MEAN RADIUS: 0.567

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.160	0.095
2:	-1.019	-0.277
3:	-0.812	-0.702
4:	0.381	-0.435
5:	-0.058	0.699
6:	0.493	0.305
7:	0.143	0.116
8:	-0.295	0.110
9:	-0.237	-0.026
10:	-0.181	-0.139



TARGET APPROX 1/2 SCALE

AVERAGE BARBER - M24 0024376

SERIAL NO.

INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

DATE 4-4-05

3.00 LBS (plus or minus 0.75 LBS)

TESTER TRW

4.00 LBS (plus or minus 1.00 LBS)

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.23	2.62		2.47	
PULL #2	2.42	2.47		2.41	
PULL #3	2.60	2.53		2.58	
PULL #4	2.38	2.43		2.29	
PULL #5	2.80	2.41		2.51	
TOTAL	12.43	12.46		12.26	
AVERAGE	2.48	2.49		2.45	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.60		
PULL #2	3.36	3.36		
PULL #3	3.07	3.36		
PULL #4	3.42	3.11		
PULL #5	3.03	3.47		
TOTAL	16.07	16.90		
AVERAGE	3.21	3.38		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.04	4.37		4.38
PULL #2	4.54	4.16		4.25
PULL #3	4.48	4.31		4.36
PULL #4	4.15	4.28		4.31
PULL #5	4.29	3.85		4.35
TOTAL	21.50	20.97		21.65
AVERAGE	4.30	4.19		4.33

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

BARBER - M24 ~~0624377~~ **M2400024416**

GFM

CONTRACT # DAAA21-87-C-0086

Repair

GUN SERIAL # C6587645 New Barrel

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		2/4/93	RW
600	Proof		2/4/93	RW
607	Check Headspace		2/4/93	RW
610	Dis-assemble Gun		2/4/93	RW
612	Magnaflux Barrel Action		2/5/93	R
	Magnaflux Bolt			
615	Rollmark Caliber		2/5/93	R
617	Drill and Tap Sight Holes		2/5/93	R
618	Polish Barrel		2/5/93	BT
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/11/93	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/11/93	RW
	C) Inspect Ejector Hole for Chamfer		2/11/93	RW
	D) Oil Firing Pin Ass'y		2/11/93	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/11/93	RW

op. #	BARBER - M24 0024379 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			2/11/93	RW
	G) Safety Off Force	3	3	3			2/11/93	RW
	H) Trigger Pull Test & Retainability						2/11/93	RW
	I) Firing Pin Indent	.020	.020	.0205			2/11/93	RW
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						2/11/93	RW
	M) Iron Sight Alignment						2/11/93	RW
	N) Detach Front & Rear Sights & place in numbered container						2/11/93	RW
	O) Attach Scope to Rifle						2/11/93	RW
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						3/1/93	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						3/1/93	RW
655	Final Inspection							
	A) Headspace						3/4/93	RW
	B) Trigger Pull	2.32	2.53	2.56	2.63	2.63	3/4/93	RW
	C) Function						3/4/93	RW
660	Pack							

New Trigger Assy

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587645DATE 2/11/93TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.80	2.60		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.72	2.69	2.51		
PULL #3	2.68	2.87	2.44		
PULL #4	2.69	2.62	2.34		
PULL #5	2.68	2.63	2.47		
TOTAL	13.27	13.61	12.36		
AVG.	2.65	2.72	2.47		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.26		
PULL #2	3.31	3.20		
PULL #3	3.22	3.26		
PULL #4	3.27	3.34		
PULL #5	3.29	3.26		
TOTAL	16.32	16.32		
AVG.	3.26	3.26		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.00		4.31
PULL #2	4.18	4.07		4.25
PULL #3	4.23	4.08		4.23
PULL #4	4.20	4.02		4.23
PULL #5	4.17	4.08		4.26
TOTAL	20.99	20.25		21.28
AVG.	4.20	4.05		4.26

BARBER - M24 0024381

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587645
3 Mar 1993

CENTROIDAL DISTANCES

0	TO	1	.471839
1	TO	2	.468139
1	TO	3	.438631
1	TO	4	.726187
1	TO	5	.383377

$\begin{matrix} 2 \\ 1 \\ 5 \\ +3 \\ 4 \end{matrix}$ <----POA

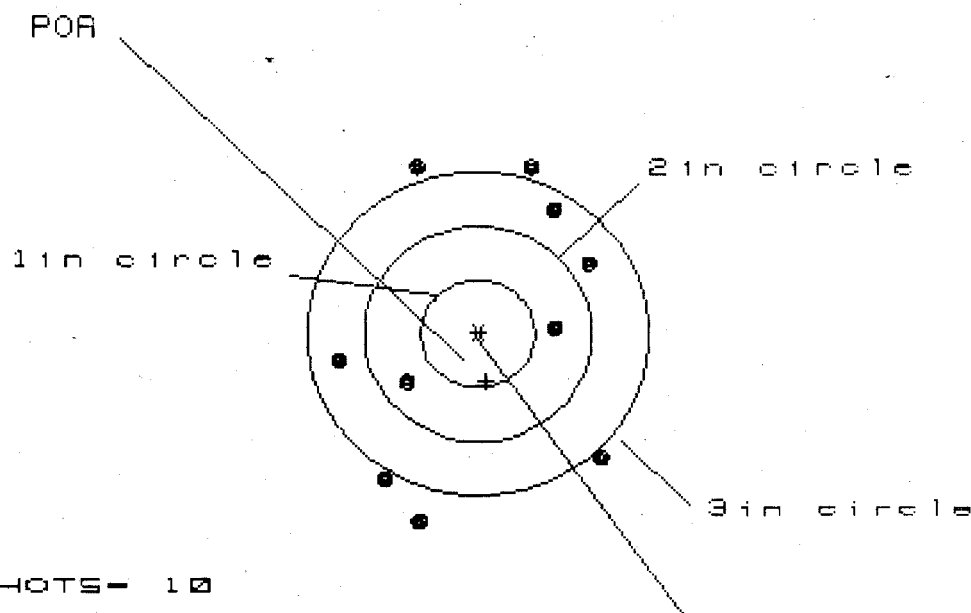
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0626
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3736
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .378808

THE AMR FOR THIS RIFLE IS: 1.055

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6507645

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 2

3in = 5

HS= 2.347

VS= 3.314

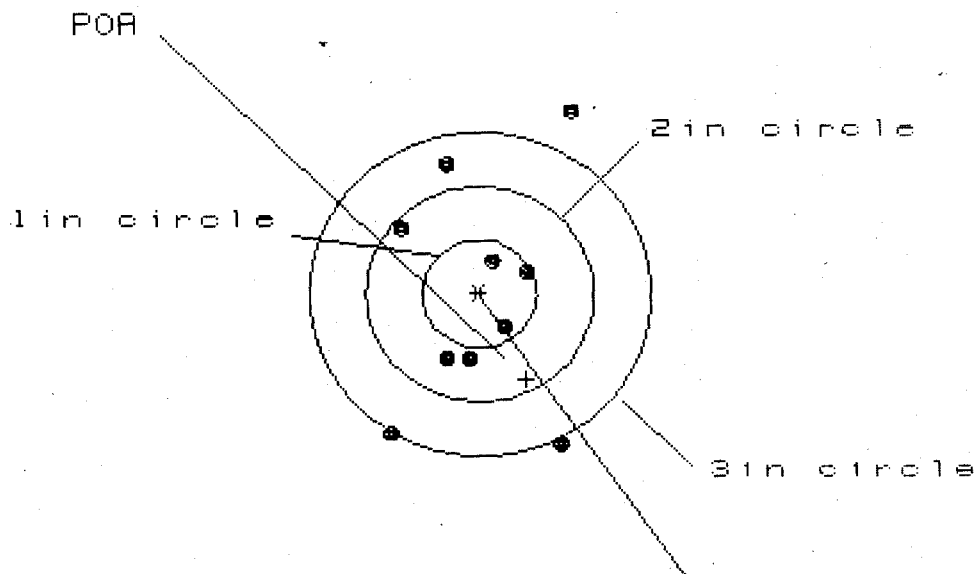
GS= 3.480

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.093	1.031	1.087
MINIMUM X	-1.254	-1.316	-1.260
MAXIMUM Y	1.585	1.393	1.501
MINIMUM Y	-1.729	-1.523	-1.349
CENTROID X	-.074	-.012	-.068
CENTROID Y	.446	.638	.464
POA TO CENTROID in.	.452	.639	.469
MIN RADIUS	.626	.591	.620
MEAN RADIUS	1.337	1.267	1.236
MAX RADIUS	1.815	1.762	1.620
HORIZONTAL SPREAD	2.347	2.347	2.347
VERTICAL SPREAD	3.314	2.916	2.850
EXTREME SPREAD	3.480	3.207	3.165
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	5		

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6587645

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 1.528

VS= 3.104

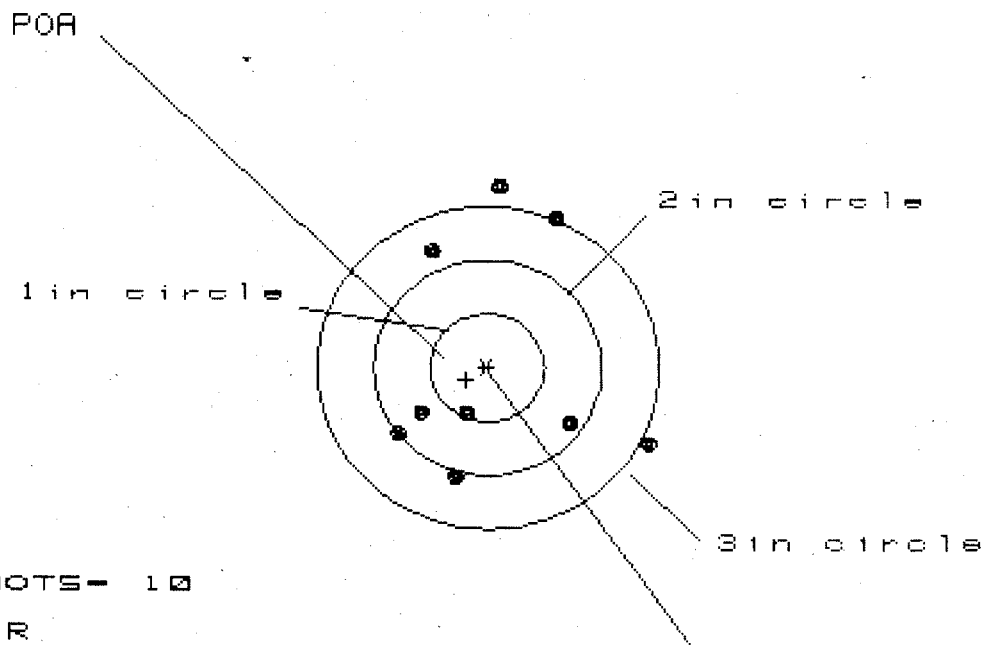
GS= 3.321

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.775	.805	.560
MINIMUM X	:	-.752	-.666	-.566
MAXIMUM Y	:	1.702	1.412	1.260
MINIMUM Y	:	-1.402	-1.213	-1.210
CENTROID X	:	-.409	-.496	-.596
CENTROID Y	:	.793	.604	.756
POA TO CENTROID in.	:	.893	.781	.963
MIN RADIUS	:	.304	.259	.417
MEAN RADIUS	:	.945	.828	.760
MAX RADIUS	:	1.870	1.456	1.335
HORIZONTAL SPREAD	:	1.528	1.471	1.126
VERTICAL SPREAD	:	3.104	2.625	2.470
EXTREME SPREAD	:	3.321	2.800	2.520
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			8	

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C8587645

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in - 1

2in - 5

3in - 7

HS- 2.195

VS- 2.752

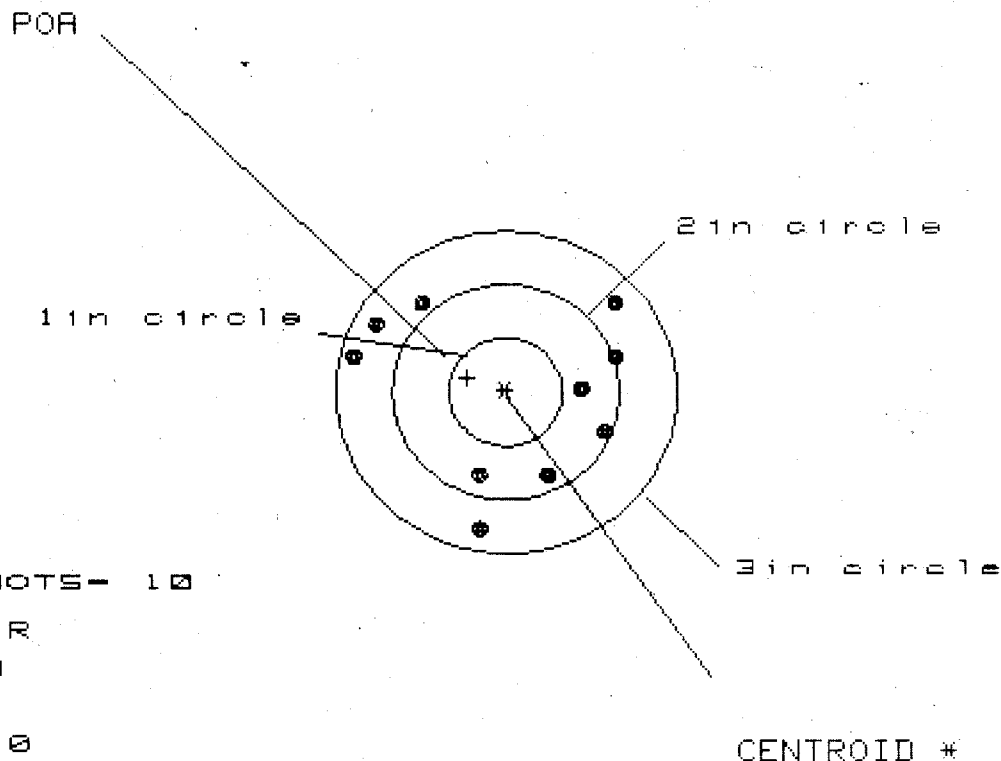
GS- 2.786

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.455	1.465	.909
MINIMUM X	-.740	-.730	-.547
MAXIMUM Y	1.715	1.571	1.506
MINIMUM Y	-1.037	-.847	-.913
CENTROID X	.185	.175	-.008
CENTROID Y	.112	-.078	-.012
POA TO CENTROID in.	.217	.191	.015
MIN RADIUS	.461	.301	.281
MEAN RADIUS	1.081	.958	.850
MAX RADIUS	1.717	1.684	1.699
HORIZONTAL SPREAD	2.195	2.195	1.456
VERTICAL SPREAD	2.752	2.418	2.418
EXTREME SPREAD	2.786	2.603	2.572
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6587645

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 10

HS= 2.348

VS= 2.098

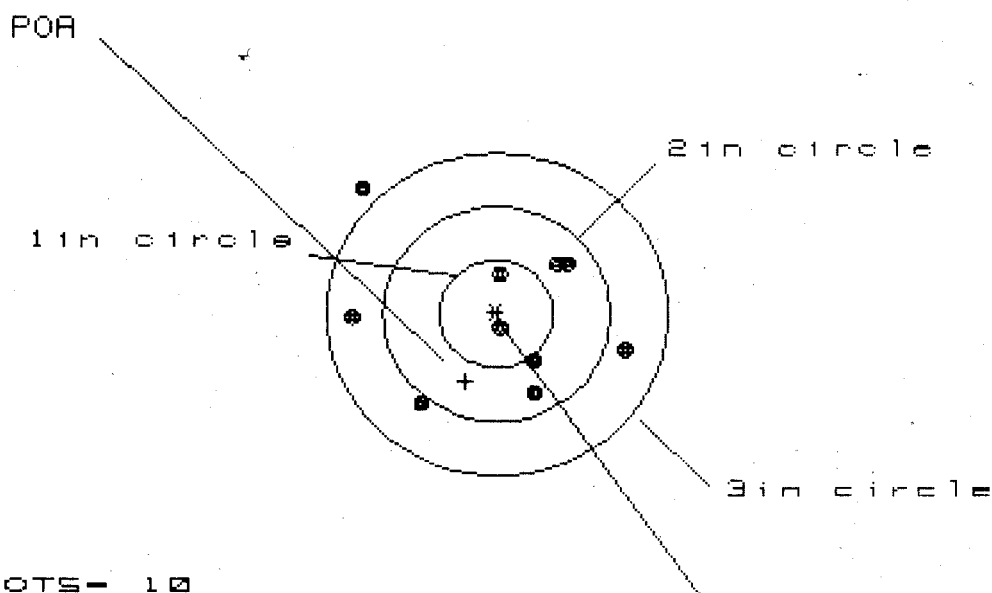
GS= 2.366

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.004	.855	.803
MINIMUM X	:	-1.344	-1.237	-1.289
MAXIMUM Y	:	.837	.878	.726
MINIMUM Y	:	-1.261	-1.220	-.873
CENTROID X	:	.338	.487	.539
CENTROID Y	:	-.132	-.173	-.021
POA TO CENTROID in.	:	.363	.517	.539
MIN RADIUS	:	.621	.481	.418
MEAN RADIUS	:	1.049	.980	.934
MAX RADIUS	:	1.393	1.429	1.406
HORIZONTAL SPREAD	:	2.348	2.092	2.092
VERTICAL SPREAD	:	2.098	2.098	1.599
EXTREME SPREAD	:	2.366	2.366	2.182
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6587645

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.357

VS= 2.082

GS= 2.787

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.103	.970	.796
MINIMUM X	-1.254	-1.387	-.969
MAXIMUM Y	1.206	.622	.632
MINIMUM Y	-.876	-.742	-.732
CENTROID X	.273	.406	.580
CENTROID Y	.629	.495	.485
POA TO CENTROID in.	.686	.641	.756
MIN RADIUS	.136	.128	.248
MEAN RADIUS	.865	.741	.646
MAX RADIUS	1.704	1.390	1.214
HORIZONTAL SPREAD	2.357	2.357	1.765
VERTICAL SPREAD	2.082	1.364	1.364
EXTREME SPREAD	2.787	2.377	1.900
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

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

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

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

MODEL 700TM H24

SERIAL NO.
C6587645

ORDER NO.
5716

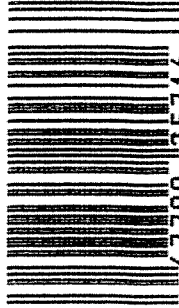
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø 1



5716 C6587645

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

NEW BBL

GUN SERIAL # C6587645

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/24/90	Kd
600	Proof		10/24/90	Kd
607	Check Headspace		10/24/90	Kd
610	Dis-assemble Gun		10/24/90	Kd
612	Magnaflux Barrel Action		10/30/90	KP
	Magnaflux Bolt		11	KP
615	Rollmark Caliber		11	DS
617	Drill and Tap Sight Holes		11/6/90	KB
618	Polish Barrel RB		11/7/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	JA
	Apply Coating (Bolt)		11-26-90	JA
625	Final Assembly A) Clean inside of Bolt Assembly		11/30/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/30/90	KS
	C) Inspect Ejector Hole for Chamfer		11/30/90	KS
	D) Oil Firing Pin Ass'y		11/30/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/3/90	DL

op. #	BARBER M24 0024390	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	12/3/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2	12/3/90	WB
	H) Trigger Pull Test & Retainability				12/3/90	JL
	I) Firing Pin Indent	.0215	.021	.021	12/3/90	WB
	J) Assemble Stock				12/3/90	KS
	K) Assemble Swivel Studs				12-5-90	JL
	L) Attach Front and Rear Sight Assemblies				12/3/90	KS
	M) Iron Sight Alignment				12/3/90	KS
	N) Detach Front & Rear Sights & place in numbered container				12/3/90	KS
	O) Attach Scope to Rifle				12/3/90	KS
	P) Detach & Attach Scope 20 Times				12/3/90	KS
640	Gallery Target & Test				12-4-90	AC
	A) Time				12-4-90	AC
	B) Malfunctions				12-4-90	AC
	C) Pierced Primers				12-4-90	AC
	D) Optical Clarity of Scope				12-4-90	AC
645	Inspect for Live Ammo				12-4-90	AC
655	Final Inspection					
	A) Headspace				12-5-90	JL
	B) Trigger Pull	237	239	240 239 238	12-5-90	JL
	C) Function				12-5-90	JL
660	Pack				12/19/90	VF

3524
AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6587645DATE 12-3-90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.32	2.31	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.40	2.34	2.39	
PULL #3	2.37	2.33	2.36	2.40	
PULL #4	2.40	2.38	2.36	2.39	
PULL #5	2.46	2.28	2.37	2.38	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.46		
PULL #2	3.46	3.43		
PULL #3	3.48	3.46		
PULL #4	3.35	3.46		
PULL #5	3.38	3.40		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.40		4.30
PULL #2	4.48	4.40		4.21
PULL #3	4.27	4.43		4.30
PULL #4	4.35	4.33		4.28
PULL #5	4.49	4.39		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587645
4 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.178572
1 TO	2	.222787
1 TO	3	.0668506
1 TO	4	.193259
1 TO	5	.489477

537 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .04
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1122
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .119117
THE AMR FOR THIS RIFLE IS: .8782

4 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587645

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.104

VS= 3.050

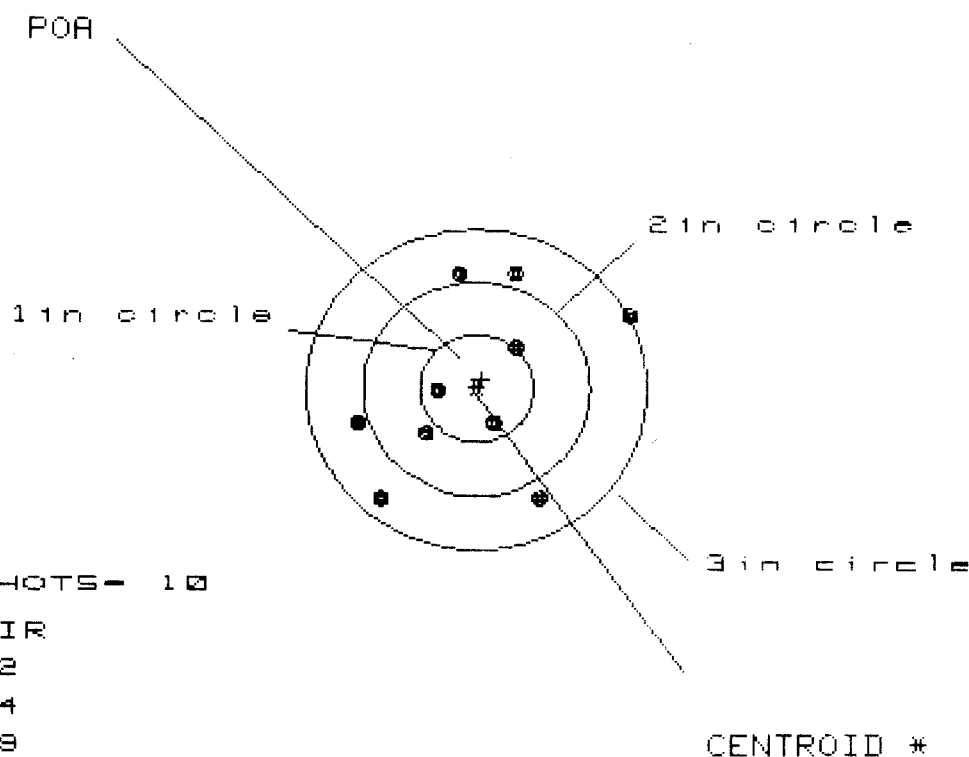
GS= 3.052

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.149	1.107	1.067
MINIMUM X	-.955	-.997	-1.037
MAXIMUM Y	1.524	1.071	.902
MINIMUM Y	-1.526	-1.357	-1.139
CENTROID X	.172	.214	.254
CENTROID Y	-.048	-.217	-.048
POA TO CENTROID in.	.178	.305	.259
MIN RADIUS	.240	.130	.159
MEAN RADIUS	.917	.835	.740
MAX RADIUS	1.571	1.394	1.210
HORIZONTAL SPREAD	2.104	2.104	2.104
VERTICAL SPREAD	3.050	2.428	2.041
EXTREME SPREAD	3.052	2.433	2.288
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

4 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06587645

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.399

VS= 2.150

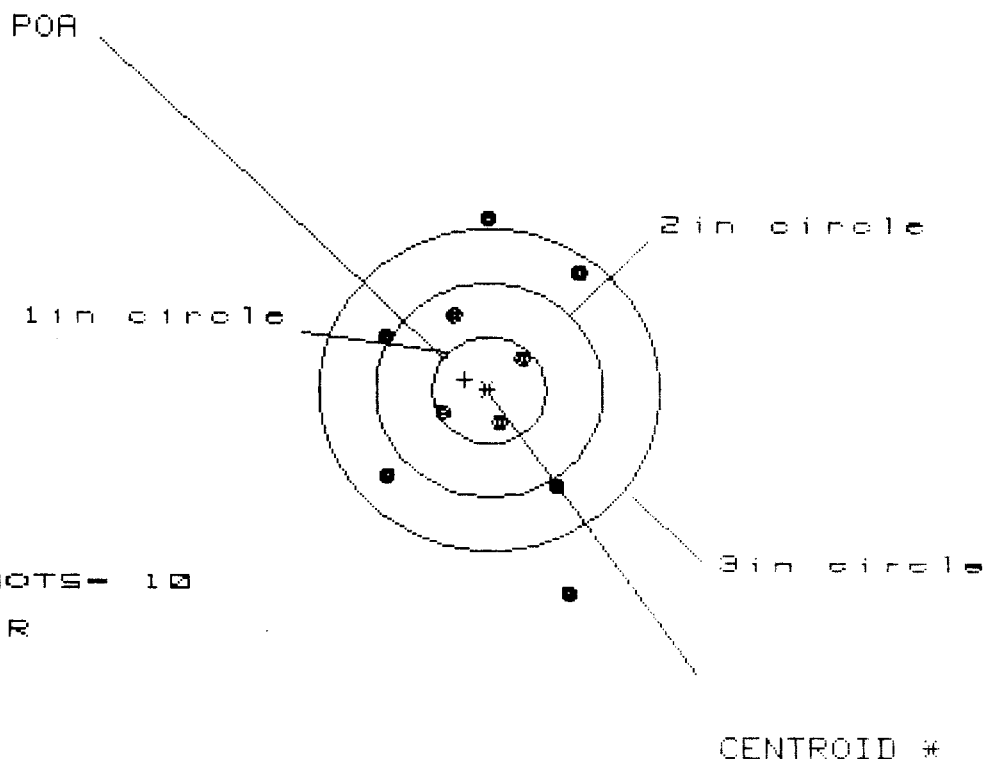
GS= 2.719

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.361	.658	.576
MINIMUM X	:	-1.038	-.886	-.968
MAXIMUM Y	:	1.100	1.174	1.062
MINIMUM Y	:	-1.050	-.976	-1.088
CENTROID X	:	-.048	-.200	-.118
CENTROID Y	:	-.083	-.157	-.045
POA TO CENTROID in.	:	.096	.254	.127
MIN RADIUS	:	.319	.163	.263
MEAN RADIUS	:	.916	.822	.794
MAX RADIUS	:	1.519	1.265	1.231
HORIZONTAL SPREAD	:	2.399	1.544	1.544
VERTICAL SPREAD	:	2.150	2.150	2.150
EXTREME SPREAD	:	2.719	2.360	2.244
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

4 Dec 1998

FILE: \PATTERNING\CENTERFIRE_PATT\08587645

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 4

3 in = 8

HS= 1.697

VS= 3.444

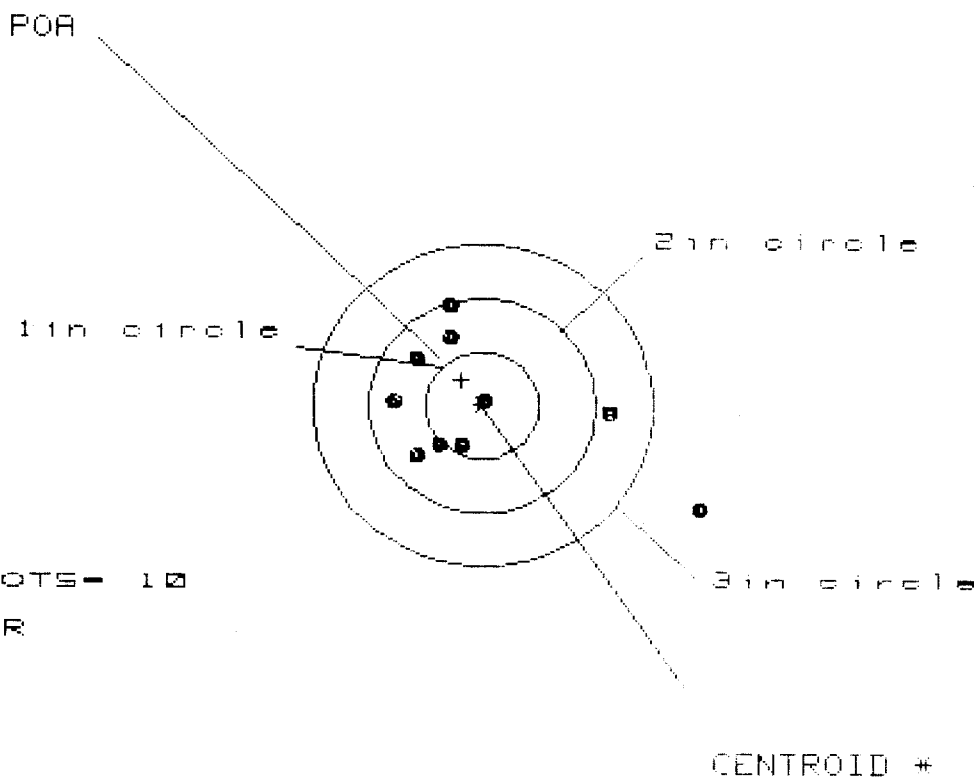
GS= 3.531

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.786	.866	.869
MINIMUM X	:	-.911	-.831	-.828
MAXIMUM Y	:	1.581	1.374	1.098
MINIMUM Y	:	-1.863	-1.140	-.968
CENTROID X	:	.210	.130	.127
CENTROID Y	:	-.103	.104	-.068
POA TO CENTROID in.	:	.234	.166	.144
MIN RADIUS	:	.324	.422	.390
MEAN RADIUS	:	1.021	.903	.826
MAX RADIUS	:	1.998	1.374	1.400
HORIZONTAL SPREAD	:	1.697	1.697	1.697
VERTICAL SPREAD	:	3.444	2.514	2.066
EXTREME SPREAD	:	3.531	2.585	2.563
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

4 Dec 1998

FILE: \PATTERNING\CENTERFIRE_PATT\06587645

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 3

2in = 8

3in = 9

HS = 2.662

VS = 1.940

GS = 2.882

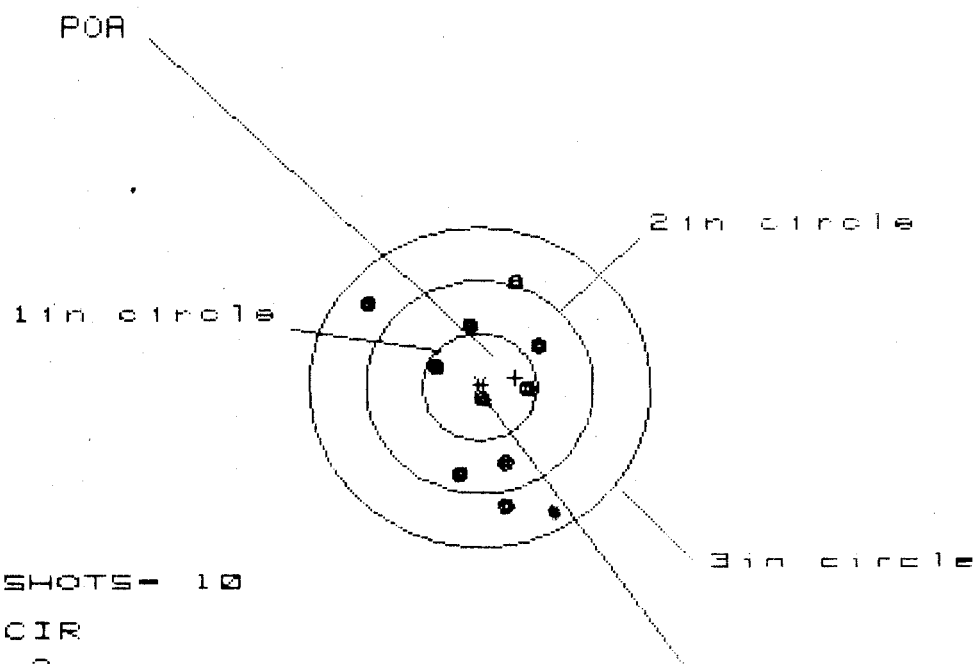
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.876	1.324	.393
MINIMUM X	:	-.786	-.578	-.412
MAXIMUM Y	:	.953	.844	.818
MINIMUM Y	:	-.987	-.555	-.581
CENTROID X	:	.182	-.026	-.192
CENTROID Y	:	-.241	-.132	-.106
POA TO CENTROID in.	:	.302	.134	.219
MIN RADIUS	:	.055	.234	.401
MEAN RADIUS	:	.815	.632	.526
MAX RADIUS	:	2.120	1.340	.927
HORIZONTAL SPREAD	:	2.662	1.902	.905
VERTICAL SPREAD	:	1.940	1.399	1.399
EXTREME SPREAD	:	2.882	1.906	1.432
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			9	

4 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8587645

CENTERFIRE PATTERNS # 5



* OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.471

VS= 2.114

GS= 2.270

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.534	.430	.439
MINIMUM X	:	-.937	-.514	-.505
MAXIMUM Y	:	.963	1.055	.922
MINIMUM Y	:	-1.151	-1.059	-.871
CENTROID X	:	-.316	-.212	-.221
CENTROID Y	:	-.086	-.178	-.045
POA TO CENTROID in.	:	.328	.277	.226
MIN RADIUS	:	.151	.100	.203
MEAN RADIUS	:	.722	.648	.595
MAX RADIUS	:	1.249	1.083	.956
HORIZONTAL SPREAD	:	1.471	.944	.944
VERTICAL SPREAD	:	2.114	2.114	1.793
EXTREME SPREAD	:	2.270	2.121	1.884
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 93-02466

INITIAL FPS	CUSTOMER ORDER NO.	WOG 15 OF 30 W/10X SCOPE & DEPLOYMENT KIT M-24			
DATE RECEIVED 01/25/93	DATE OPENED 01/25/93	DATE CODE RK 11-90	SERIAL NUMBER C6587645	NEW SERIAL NUMBER	MODEL AND GRADE 700 7-62 NATO
ACCESSORIES W/STUDS	W/SWIVELS	SOFT CASE	SCOPE BASE		

FROM:

MCHALE, EDWARD J CPT, SF
HSC 3RD BN 3RD SFG (A)
FT BRAGG NC 28307

SHIP TO:

MCHALE, EDWARD J CPT, SF
HSC 3RD BN 3RD SFG (A)
FT BRAGG NC 28307

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	CUST NO: 073985 C.O.I.D	PROM. DATE	ESTIMATED	VIA
WRITE ☐	CLEAN/TEST				UPS
GUN CONDITION					REPAIR CHARGE
☐ NEW					EXCISE
☐ LIGHTLY WORN					TAX
☐ WORN					INSURANCE
☐ VERY WORN					UPS
☐ UNREPAIRABLE					PARCEL POST
☐ MARRED					TOTAL

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
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

Rust on Gun

PARTS	COMMENTS					
Magazine Spring - 15677	Zinc phosphate Scope Base,					
magazine - 96013	Scope Rings Swivels & Swivel Studs					
Firing pin Assy - 96007	Re-powder Coat Floor plate & latch,					
Trigger Assy - 96024	Trigger Guard & Front & Rear					
Front Guard Screw - 96010	Sight Bases					
Rear Guard Screw - 96015						
Barrel Assy Complete - 96001						
Front Sight Assy - 96118						
Rear Sight Assy - 96119						
	REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
	Rw	✓	✓	✓	✓	
	GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
	Rw	2/4/93	2/11/93	3/1/93	3/1/93	

OFFICE COPY

RD6925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 ~~0024998~~ 24437