

06594553

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00130509

Serial: C6594553 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

New 6/19/2007 7:28:17 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: C CO 2/3D SFG (A)

C CO 2/3D SFG (A)

Address 1: E-1650 KUWAIT STREET

E-1650 KUWAIT STREET

Address 2: ATTN: MARIO NARANJO

PO Box:

ATTN: MARIO NARANJO

PO Box:

City: FT. BRAGG

FT. BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

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
A010	Hard Case	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

6/19/2007

7:46 AM

CAPS

NUM

INS

SCRL



Inbox - Micros...

Calendar - Mic...

Calendar - Mic...

Arms Services ...

7:46 AM

Serial Number: C6594553

Model: M24 SWS



RE00130509

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594553.___0
FILE DATE AND TIME: 07/17/2007 22:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.002
The Average Y Centroid of the Five Target Set:	-0.115
The Average Point of Impact of the Five Target Set:	0.115
The Average Mean Radius of the Five Target Set:	0.637
The Distance from POA to Centroid Target #1:	0.225
The Distance from Centroid Target #2 to Centroid Target #1:	0.095
The Distance from Centroid Target #3 to Centroid Target #1:	0.048
The Distance from Centroid Target #4 to Centroid Target #1:	0.319
The Distance from Centroid Target #5 to Centroid Target #1:	0.226

SERIAL NUMBER: C6594553. 0

TARGET NUMBER: 1

FILE DATE: 07/17/2007

FILE TIME: 22:27

X CENTROID: 0.037

Y CENTROID: -0.222

POA TO CENTROID: 0.225

HORZ SPREAD: 1.011

VERT SPREAD: 1.364

GROUP SPREAD: 1.374

MIN RADIUS: 0.115

MAX RADIUS: 0.774

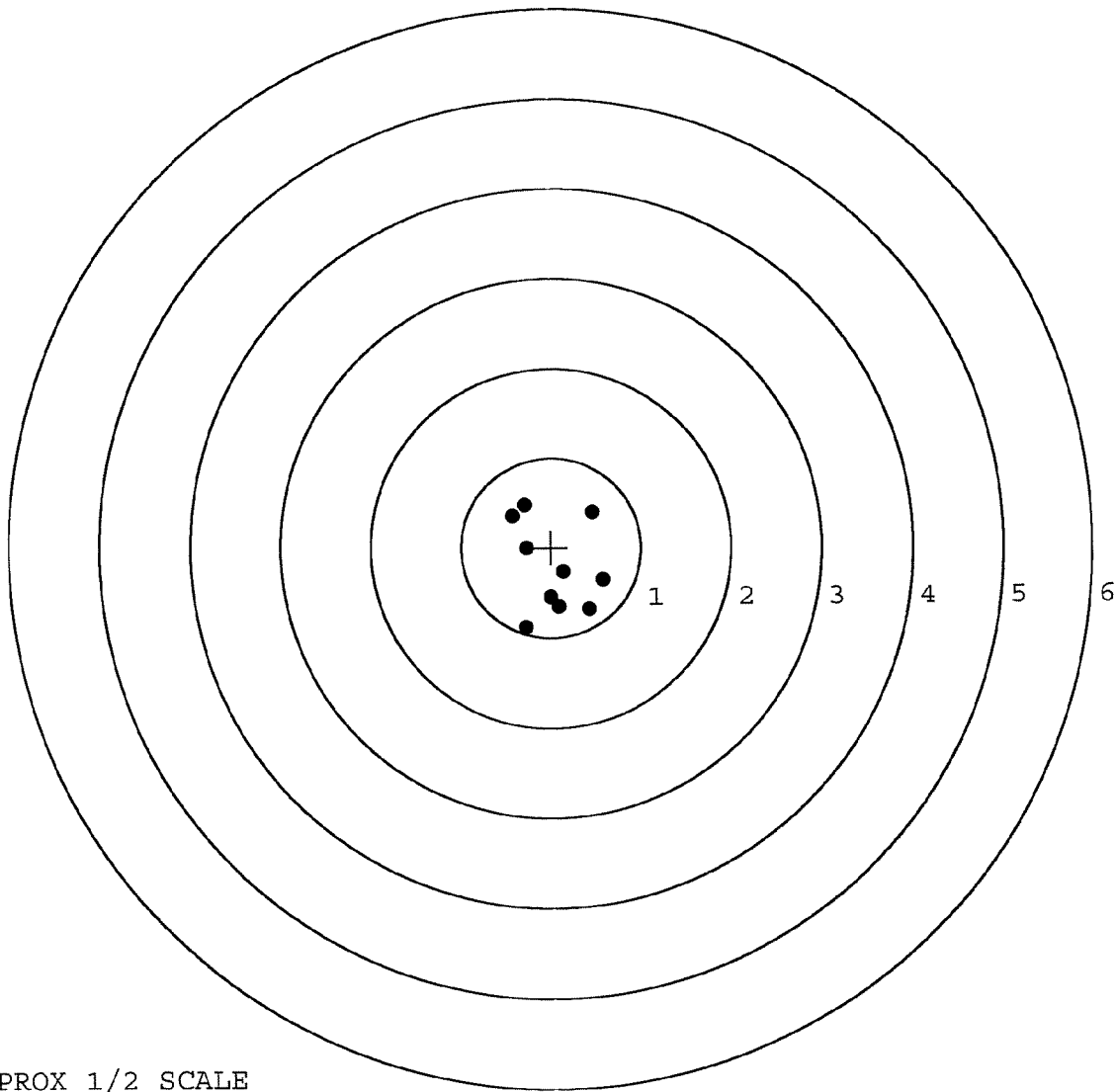
MEAN RADIUS: 0.546

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.300	0.475
2:	-0.432	0.360
3:	-0.278	-0.009
4:	0.138	-0.277
5:	0.579	-0.361
6:	0.425	-0.692
7:	0.081	-0.666
8:	-0.008	-0.557
9:	-0.292	-0.889
10:	0.461	0.397



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. 0

TARGET NUMBER: 2

FILE DATE: 07/17/2007

FILE TIME: 22:27

X CENTROID: 0.115

Y CENTROID: -0.166

POA TO CENTROID: 0.202

HORZ SPREAD: 1.111

VERT SPREAD: 1.811

GROUP SPREAD: 1.879

MIN RADIUS: 0.204

MAX RADIUS: 1.055

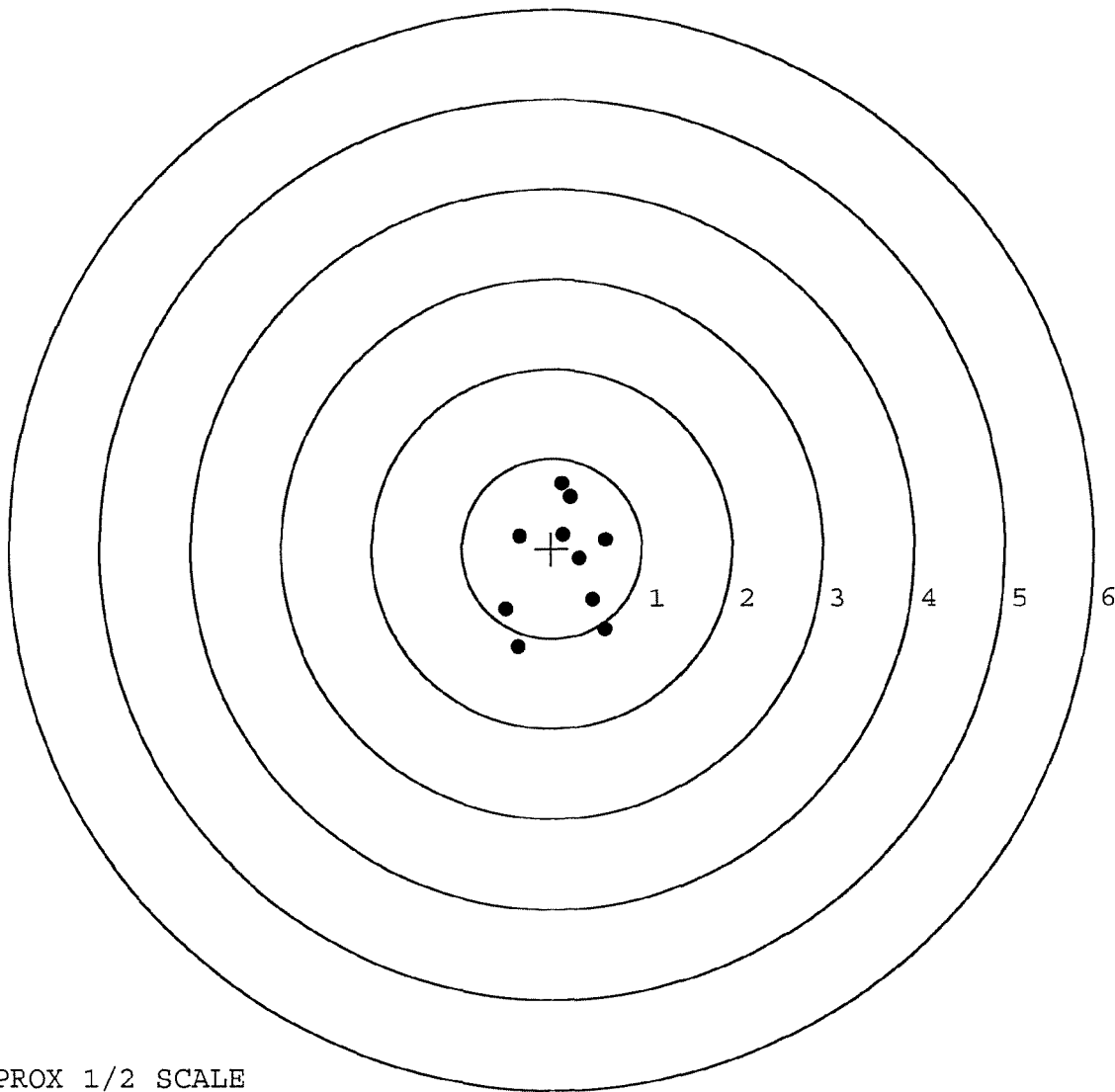
MEAN RADIUS: 0.654

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.118	0.715
2:	0.213	0.567
3:	0.123	0.159
4:	0.311	-0.110
5:	0.594	0.104
6:	0.459	-0.568
7:	0.593	-0.898
8:	-0.384	-1.096
9:	-0.517	-0.679
10:	-0.362	0.146



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. 0

TARGET NUMBER: 3

FILE DATE: 07/17/2007

FILE TIME: 22:27

X CENTROID: 0.061

Y CENTROID: -0.180

POA TO CENTROID: 0.190

HORZ SPREAD: 1.673

VERT SPREAD: 1.751

GROUP SPREAD: 1.704

MIN RADIUS: 0.191

MAX RADIUS: 1.009

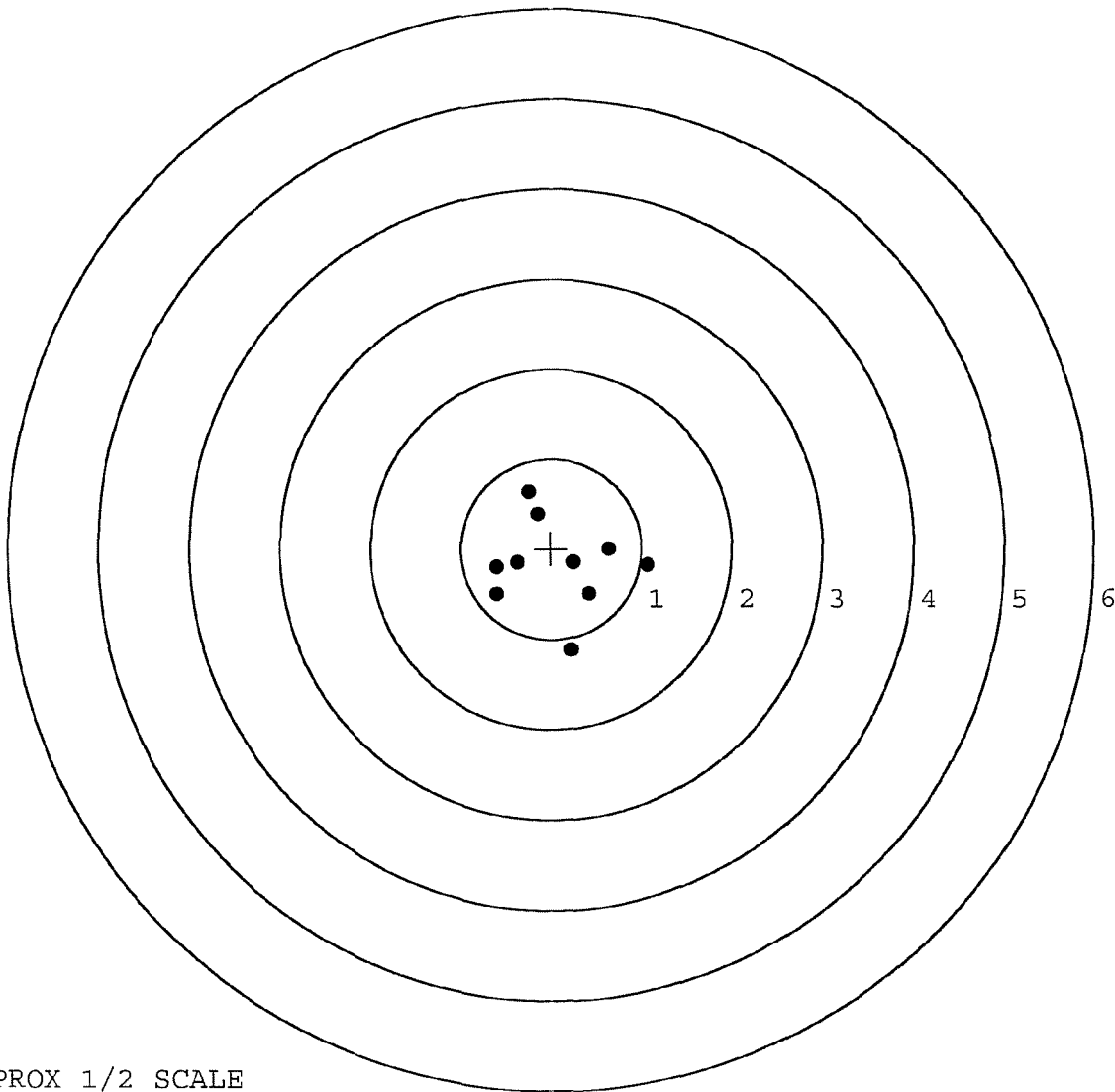
MEAN RADIUS: 0.657

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.258	0.630
2:	-0.154	0.383
3:	-0.380	-0.157
4:	-0.602	-0.204
5:	-0.603	-0.504
6:	0.249	-0.147
7:	0.425	-0.498
8:	0.644	0.001
9:	1.070	-0.183
10:	0.221	-1.121



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. 0

TARGET NUMBER: 4

FILE DATE: 07/17/2007

FILE TIME: 22:27

X CENTROID: -0.188

Y CENTROID: 0.004

POA TO CENTROID: 0.188

HORZ SPREAD: 1.791

VERT SPREAD: 1.418

GROUP SPREAD: 2.031

MIN RADIUS: 0.062

MAX RADIUS: 1.190

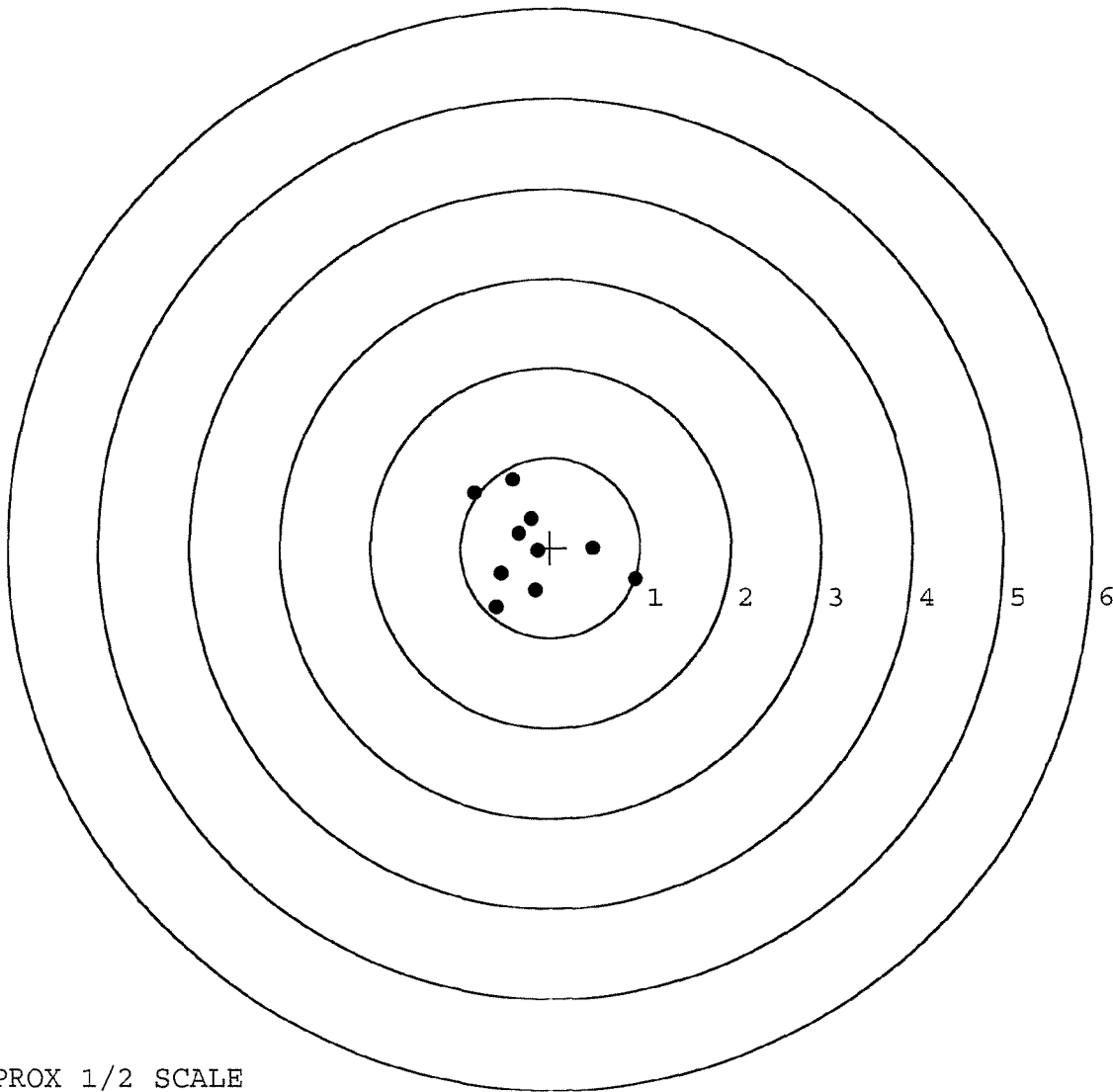
MEAN RADIUS: 0.588

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.842	0.608
2:	-0.425	0.757
3:	-0.217	0.323
4:	-0.357	0.160
5:	-0.142	-0.038
6:	-0.550	-0.287
7:	-0.602	-0.661
8:	-0.172	-0.479
9:	0.480	0.002
10:	0.949	-0.350



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. __0

TARGET NUMBER: 5

FILE DATE: 07/17/2007

FILE TIME: 22:27

X CENTROID: -0.037

Y CENTROID: -0.008

POA TO CENTROID: 0.037

HORZ SPREAD: 2.109

VERT SPREAD: 1.905

GROUP SPREAD: 2.110

MIN RADIUS: 0.167

MAX RADIUS: 1.275

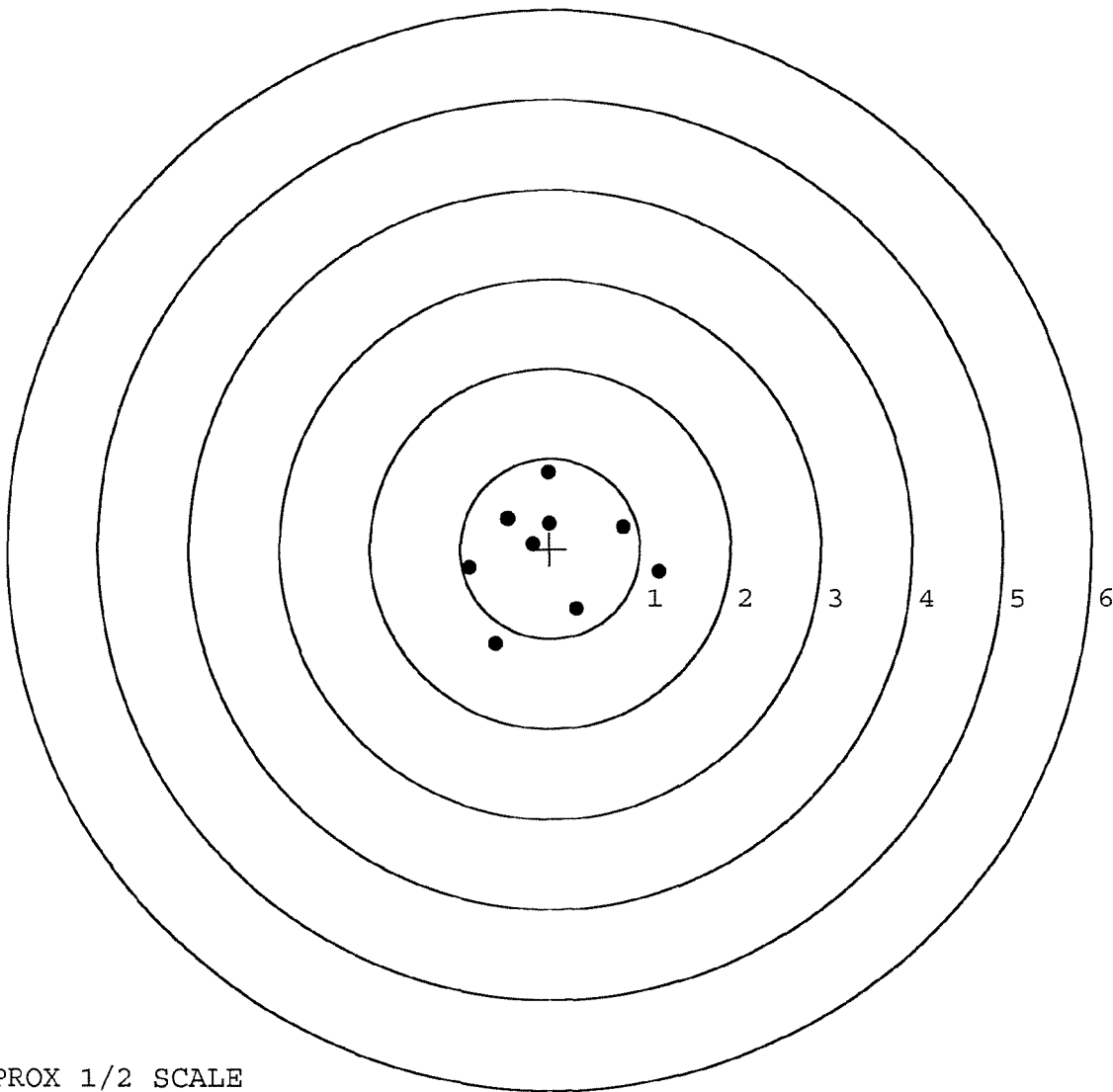
MEAN RADIUS: 0.742

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.020	0.845
2:	-0.017	0.283
3:	-0.189	0.060
4:	-0.485	0.337
5:	-0.895	-0.208
6:	-0.611	-1.060
7:	0.299	-0.671
8:	0.810	0.250
9:	1.214	-0.258
10:	-0.471	0.338



TARGET APPROX 1/2 SCALE

R & E NUMBER		00130509	
SERIAL NUMBER		C 6594553	
LOG-IN DATE		6-25-07	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-25-07	S.P.D.
505	RE-BARREL	6-28-07	S.P.D.
560	ASSEMBLE	7-9-07	RTZ
600	PROOF	7-10-07	TRW
605	CHECK HEADSPACE	7-10-07	TRW
610	DIS-ASSEMBLE GUN	7-11-07	RTZ
612	MAGNAFLUX	7/12/07	unsub
510	DRILL AND TAP	7-11-07	SD
615	ROLLMARK CALIBER	7-12-07	CW
618	ROTO-BLAST	7-12-07	CB
620	APPLY COATINGS	7/13/07	FB
625	FINAL ASSEMBLY	7-16-07	S.P.D.
640	FUNCTION TEST AND	PASS FAIL	7/17/07
650	TARGET	PASS FAIL	7/17/07
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		7-17-07 SD
	A) HEADSPACE	PASS FAIL	7-18-07 DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.87 2.88 2.90 2.93 2.92 7-18-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.0 3.5 3.5 7-18-07 DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.0 2.0 2.0 7-18-07 DA
	I) FIRING PIN INDENT	.020	.022 .021 .022 7-18-07 DA
690	PACK		

Ams 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: **RE00034880** Serial: C6594553 Model 700 Center Fire Caliber 7.62 NATO M-24 (SWS) Repairman: Status: Closed 11/17/01 7:47:13 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: C CO 2/3RD SFGA C CO 2/3RD SFGA

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

City: FORT BRAGG FORT BRAGG

State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Condition: Poor

Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

Start 11/17/01 9:47 AM CAPS NUM IRS SCPL

Inbox - Micro Calendar - Mi Microsoft Excel NJBGS Corp Ams Servi 9:47 AM

Serial Number: **C6594553**Model: **700****RE00034880**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594553.___0
FILE DATE AND TIME: 11/27/2001 02:47

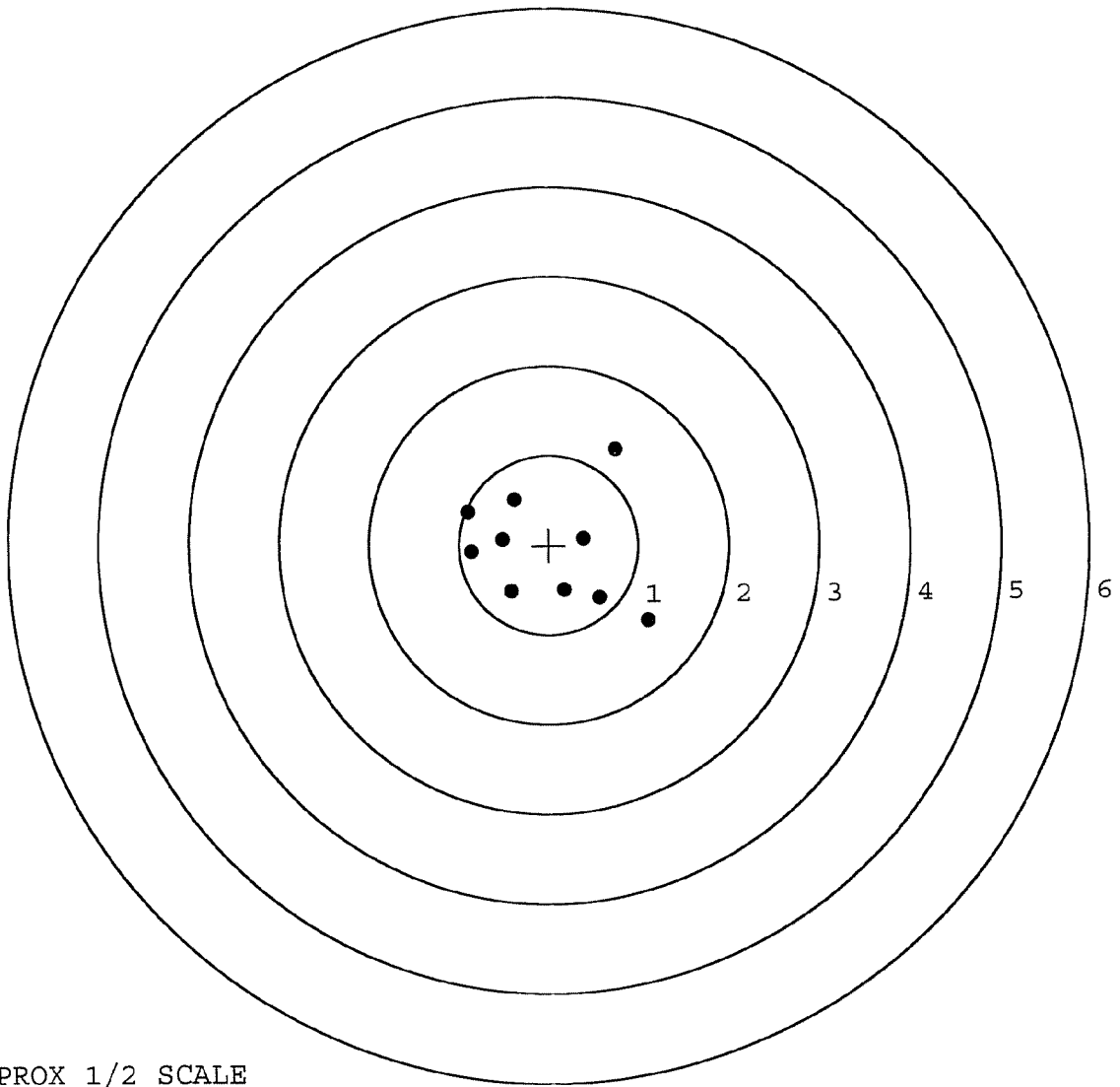
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.040
The Average Y Centroid of the Five Target Set:	-0.038
The Average Point of Impact of the Five Target Set:	0.055
The Average Mean Radius of the Five Target Set:	0.894
The Distance from POA to Centroid Target #1:	0.045
The Distance from Centroid Target #2 to Centroid Target #1:	0.256
The Distance from Centroid Target #3 to Centroid Target #1:	0.105
The Distance from Centroid Target #4 to Centroid Target #1:	0.318
The Distance from Centroid Target #5 to Centroid Target #1:	0.269

SERIAL NUMBER: C6594553. __0
 TARGET NUMBER: 1
 FILE DATE: 11/27/2001
 FILE TIME: 02:47

X CENTROID: -0.011
 Y CENTROID: -0.044
 POA TO CENTROID: 0.045
 HORZ SPREAD: 2.002
 VERT SPREAD: 1.911
 GROUP SPREAD: 2.347
 MIN RADIUS: 0.421
 MAX RADIUS: 1.377
 MEAN RADIUS: 0.807
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.747	1.062
2:	0.392	0.079
3:	1.106	-0.849
4:	0.563	-0.592
5:	0.167	-0.506
6:	-0.425	-0.515
7:	-0.862	-0.072
8:	-0.516	0.068
9:	-0.385	0.512
10:	-0.896	0.376

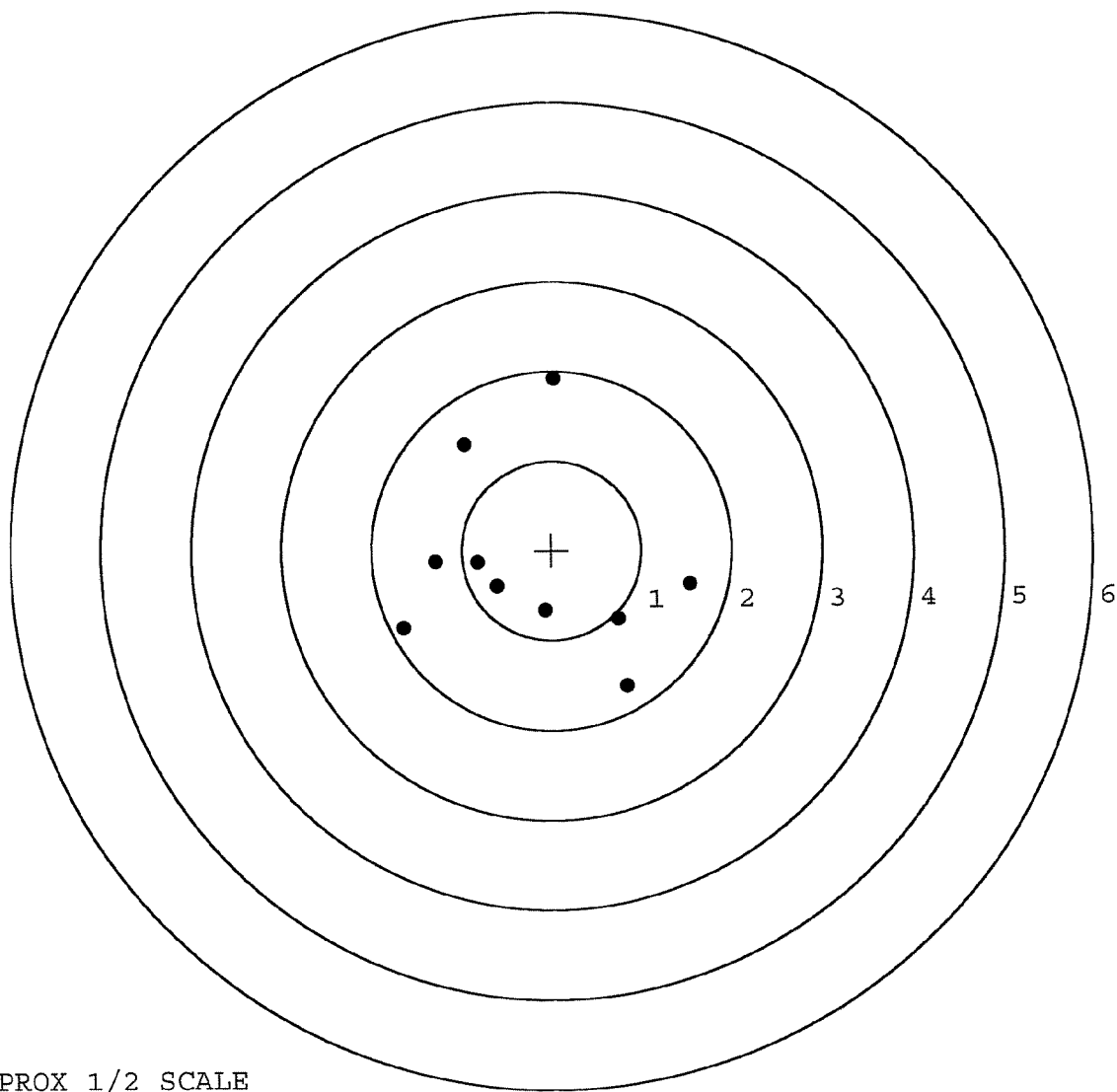


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. 0
 TARGET NUMBER: 2
 FILE DATE: 11/27/2001
 FILE TIME: 02:47

X CENTROID: -0.228
 Y CENTROID: -0.179
 POA TO CENTROID: 0.290
 HORZ SPREAD: 3.182
 VERT SPREAD: 3.435
 GROUP SPREAD: 3.526
 MIN RADIUS: 0.444
 MAX RADIUS: 2.112
 MEAN RADIUS: 1.248
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 3
 # in 3 IN DIAMETER: 5

POINT#	X	Y
1:	0.034	1.917
2:	-0.963	1.188
3:	-1.290	-0.133
4:	-1.648	-0.864
5:	-0.823	-0.137
6:	-0.612	-0.401
7:	-0.075	-0.678
8:	1.534	-0.391
9:	0.734	-0.769
10:	0.830	-1.518



TARGET APPROX 1/2 SCALE

BARBER - M24 0019123

SERIAL NUMBER: C6594553. __0

TARGET NUMBER: 3

FILE DATE: 11/27/2001

FILE TIME: 02:47

X CENTROID: 0.003

Y CENTROID: -0.148

POA TO CENTROID: 0.148

HORZ SPREAD: 2.248

VERT SPREAD: 1.560

GROUP SPREAD: 2.343

MIN RADIUS: 0.216

MAX RADIUS: 1.464

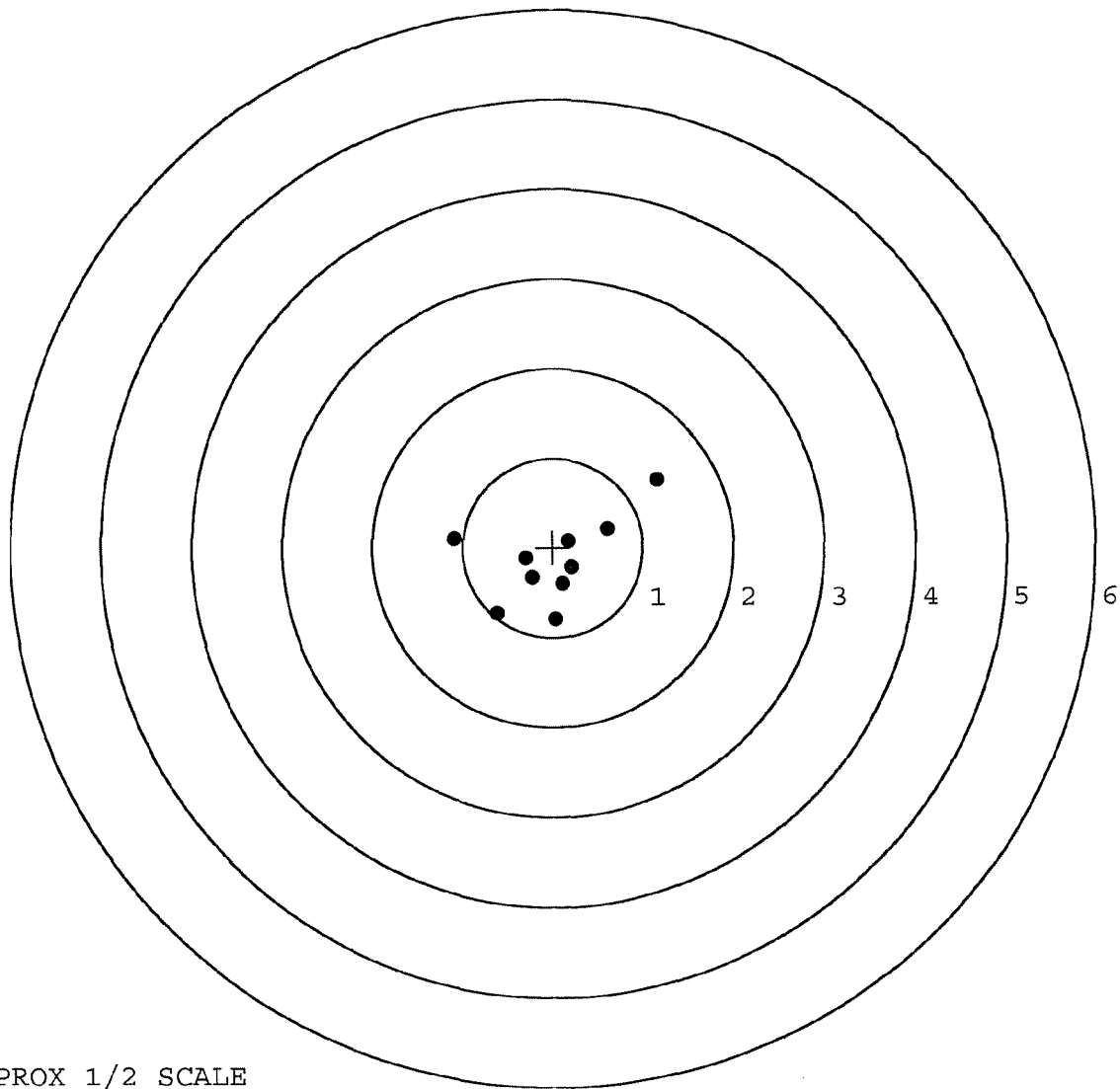
MEAN RADIUS: 0.618

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.154	0.757
2:	0.603	0.208
3:	0.178	0.073
4:	-0.306	-0.121
5:	-1.094	0.095
6:	-0.623	-0.728
7:	0.029	-0.803
8:	-0.227	-0.334
9:	0.107	-0.407
10:	0.208	-0.217



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. __0

TARGET NUMBER: 4

FILE DATE: 11/27/2001

FILE TIME: 02:47

X CENTROID: -0.223

Y CENTROID: 0.194

POA TO CENTROID: 0.295

HORZ SPREAD: 2.470

VERT SPREAD: 1.975

GROUP SPREAD: 2.723

MIN RADIUS: 0.043

MAX RADIUS: 1.551

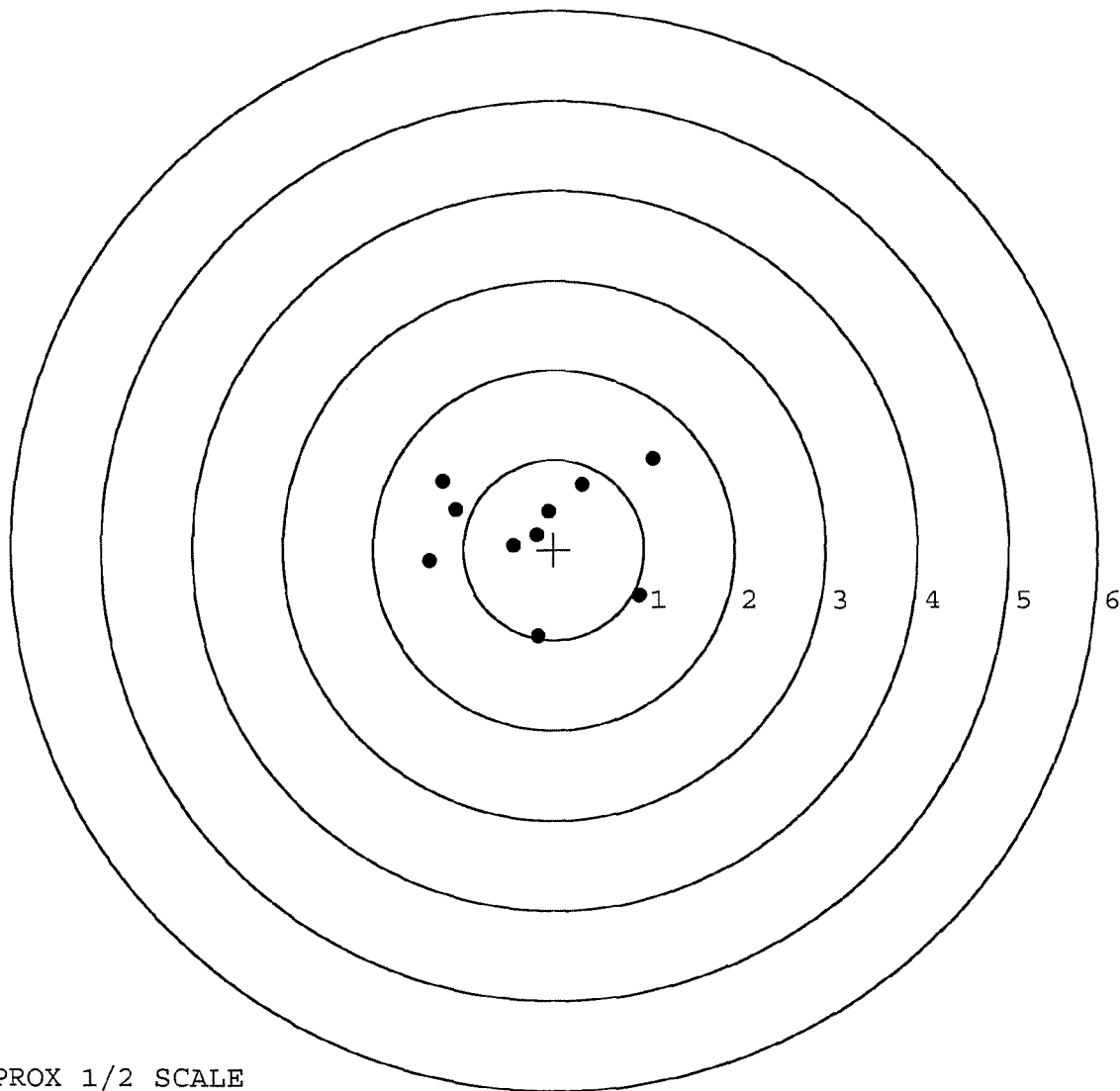
MEAN RADIUS: 0.867

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.096	1.010
2:	0.309	0.722
3:	-0.061	0.425
4:	-0.194	0.162
5:	-0.448	0.048
6:	-1.236	0.747
7:	-1.089	0.437
8:	-1.374	-0.137
9:	-0.178	-0.965
10:	0.949	-0.507



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594553. 0

TARGET NUMBER: 5

FILE DATE: 11/27/2001

FILE TIME: 02:47

X CENTROID: 0.256

Y CENTROID: -0.013

POA TO CENTROID: 0.256

HORZ SPREAD: 3.028

VERT SPREAD: 3.012

GROUP SPREAD: 3.611

MIN RADIUS: 0.385

MAX RADIUS: 2.026

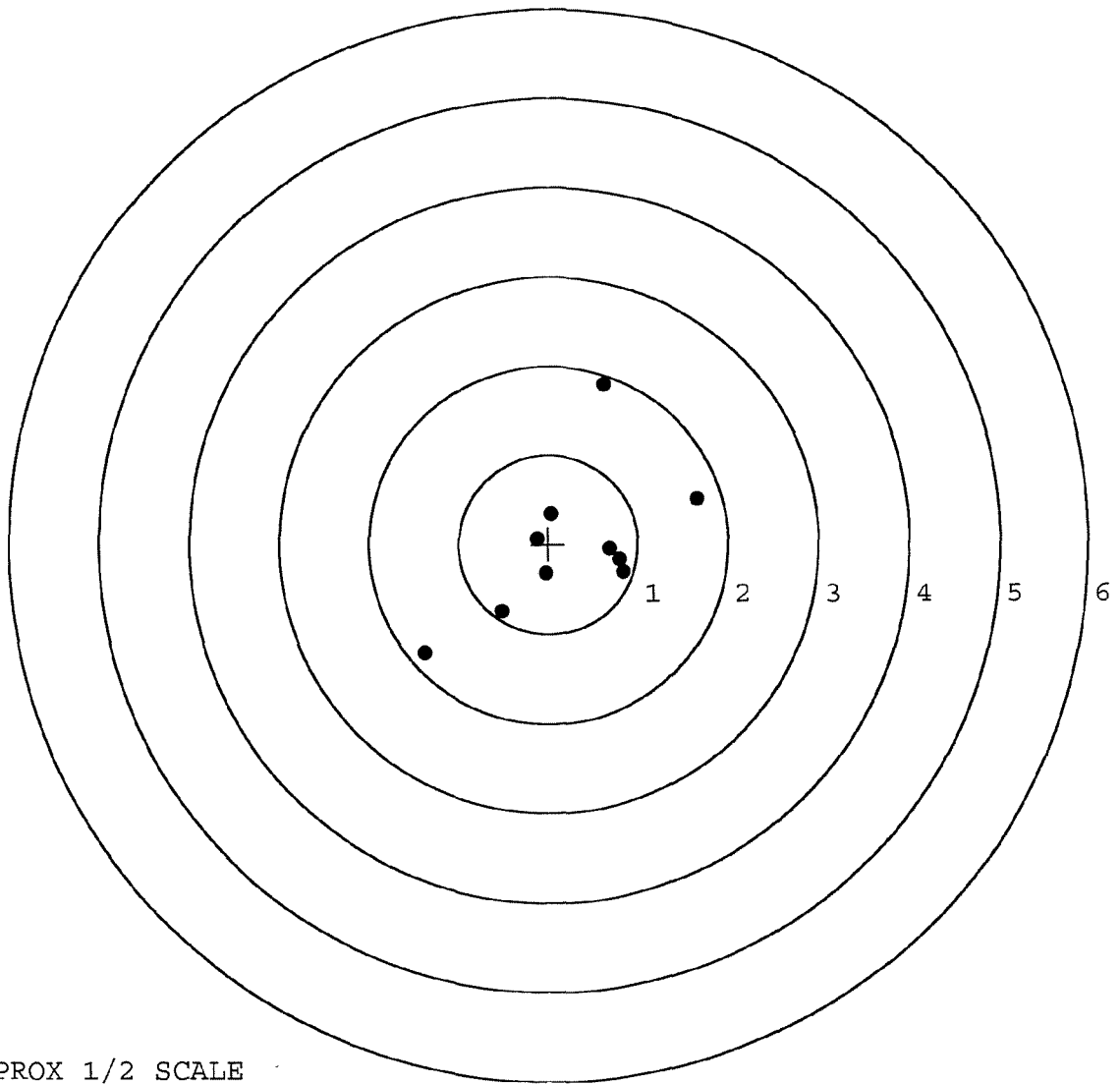
MEAN RADIUS: 0.931

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.617	1.795
2:	1.654	0.511
3:	0.027	0.335
4:	-0.123	0.055
5:	-1.374	-1.217
6:	-0.526	-0.751
7:	-0.030	-0.329
8:	0.839	-0.312
9:	0.796	-0.173
10:	0.681	-0.047



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	34880		
SERIAL NUMBER	C6594533		
LOG-IN DATE	11-1-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-5-01	RK
560 A	RE-BARREL	11/6	BWT
B	DRILL AND TAP	11/7	BWT
575	ASSEMBLE	11-7-01	RW
600	PROOF	11-7-01	RW
605	CHECK HEADSPACE	11-7-01	RW
610	DIS-ASSEMBLE GUN	11-7-01	RW
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	11/12	ⓧ
618	ROTO-BLAST	11/14	Z
620	APPLY COATINGS	11-15	TA
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-27-01	EK
655	FINAL INSPECT	11-28-01	RK
660	PACK	11-28-01	SA
		SHIP DATE	
	QAR INSPECTION DATE		

Final Inspection

In: C6594553

DATE REC'D: 11-1-01

DATE RET'D: 11-28-01

Inspector: RHR

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

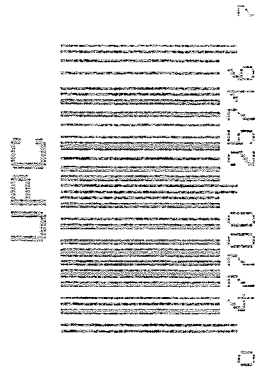
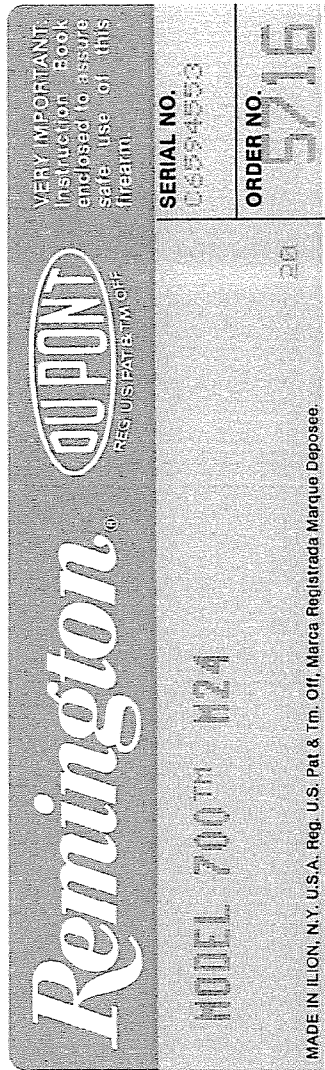
Systems Case

☒ SCOPE CASE☒ IRON SIGHTS☒ DEPLOYMENT KIT

Trigger

☒ SAFETY OPERATION☒ SET

Comments:



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594553

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	Rw
600	Proof	1228	90	Rw
607	Check Headspace	1228	90	Rw
610	Dis-assemble Gun	1228	90	Rw
612	Magnaflux Barrel Action		1-79/	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LG
617	Drill and Tap Sight Holes	1 10 91		LB
618	Polish Barrel	1 10 91		LB
620	Apply Coatings (Barrel Action)		1-26-91	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/28/91	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/28/91	Rw
	C) Inspect Ejector Hole for Chamfer		1/28/91	Rw
	D) Oil Firing Pin Ass'y		1/28/91	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		2/6/91	TH

BARBER - M24 0019130

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			2/6/91	WB
	G) Safety Off Force	2	2	2			2/6/91	WB
	H) Trigger Pull Test & Retainability						2/6/91	JH
	I) Firing Pin Indent	.0215	.0217	.0215			2/6/91	WB
	J) Assemble Stock						2/7/91	RW
	K) Assemble Swivel Studs						2-21-91	AC
	L) Attach Front and Rear Sight Assemblies						2/7/91	RW
	M) Iron Sight Alignment						2/7/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/7/91	RW
	O) Attach Scope to Rifle						2/7/91	RW
	P) Detach & Attach Scope 20 Times						2/7/91	RW
640	Gallery Target & Test						2-7-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						2-7-91	AF
655	Final Inspection							
	A) Headspace						2-21-91	AC
	B) Trigger Pull	2.60	2.67	2.62	2.69	2.77	2/18/91	WB
	C) Function						2-21-91	AC
660	Pack						3-15-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6594653DATE 2/6/91

TESTER _____

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.24	2.41	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.40	2.50	2.67	
PULL #3	2.30	2.27	2.48	2.62	
PULL #4	2.30	2.37	2.39	2.69	
PULL #5	2.35	2.37	2.48	2.77	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.24		
PULL #2	3.38	3.43		
PULL #3	3.41	3.27		
PULL #4	3.24	3.37		
PULL #5	3.31	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.60	4.22		4.44
PULL #2	4.38	4.19		4.28
PULL #3	4.39	4.38		4.43
PULL #4	4.27	4.36		4.39
PULL #5	4.64	4.34		4.32
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594553
8 Feb 1991

CENTROIDAL DISTANCES

Ø TO	1	.173277
1 TO	2	.284121
1 TO	3	.226292
1 TO	4	.367539
1 TO	5	.347079

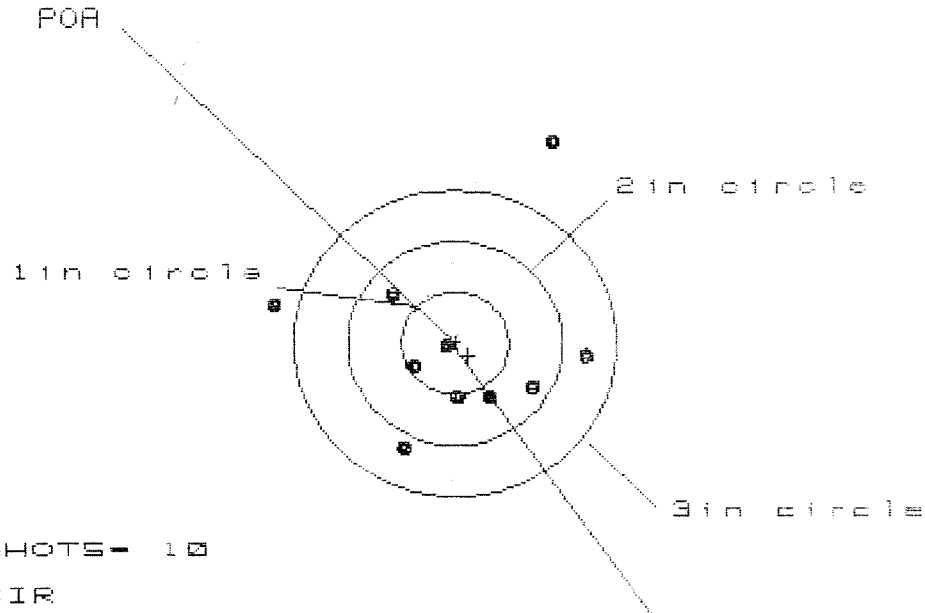
1
43 <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1174
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.084
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .144356
THE AMR FOR THIS RIFLE IS: .9282

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08554553

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 2.926

VS = 2.991

GS = 3.321

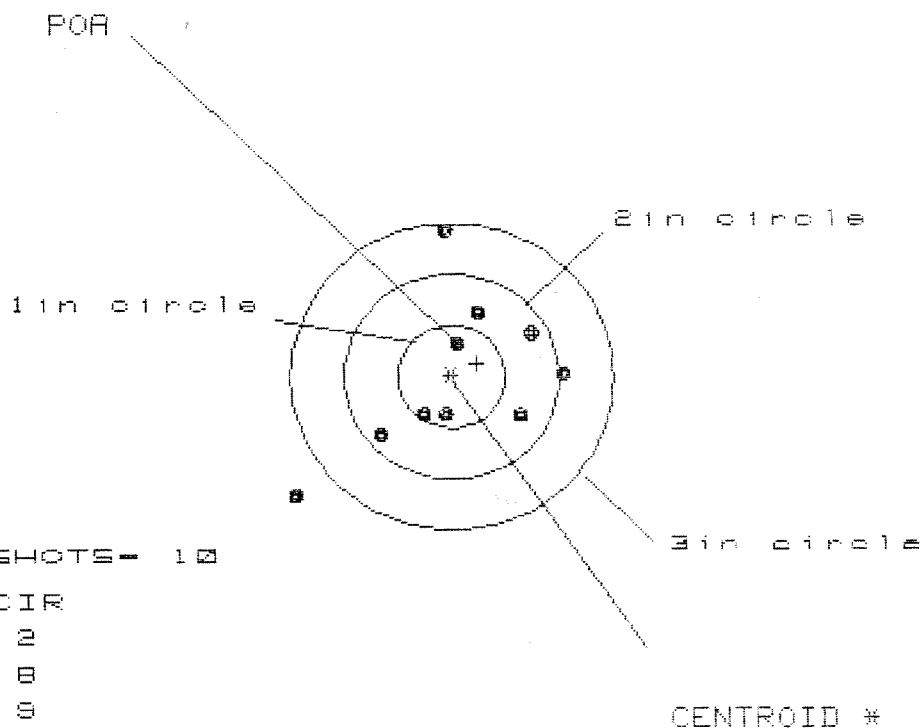
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.233	1.339	1.141
MINIMUM X	-1.693	-1.587	-.715
MAXIMUM Y	1.952	.704	.781
MINIMUM Y	-1.039	-.822	-.745
CENTROID X	-.120	-.226	-.028
CENTROID Y	.125	-.092	-.169
POA TO CENTROID in.	.173	.244	.172
MIN RADIUS	.044	.235	.251
MEAN RADIUS	.960	.789	.653
MAX RADIUS	2.175	1.702	1.160
HORIZONTAL SPREAD	2.926	2.926	1.856
VERTICAL SPREAD	2.991	1.526	1.526
EXTREME SPREAD	3.321	2.966	1.964
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594553

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 8

3 in - 9

HS= 2.486

VS= 2.607

GS= 2.880

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.996	.831	.799
MINIMUM X	:	-1.490	-.847	-.879
MAXIMUM Y	:	1.451	1.323	.636
MINIMUM Y	:	-1.156	-.684	-.519
CENTROID X	:	-.239	-.074	-.042
CENTROID Y	:	-.133	-.005	-.170
POA TO CENTROID in.	:	.274	.074	.175
MIN RADIUS	:	.328	.256	.406
MEAN RADIUS	:	.864	.731	.646
MAX RADIUS	:	1.885	1.347	1.021
HORIZONTAL SPREAD	:	2.486	1.678	1.678
VERTICAL SPREAD	:	2.607	2.007	1.155
EXTREME SPREAD	:	2.960	2.093	1.779
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594553

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.905

VS= 2.438

GS= 2.665

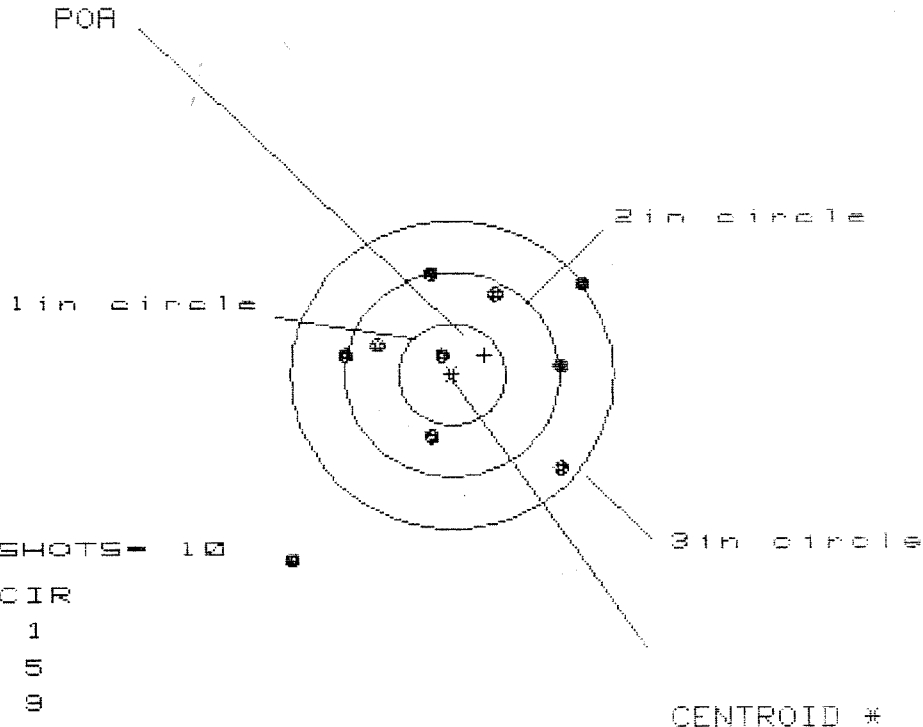
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.150	1.066	1.017
MINIMUM X	-.755	-.681	-.730
MAXIMUM Y	1.424	1.537	1.608
MINIMUM Y	-1.014	-.855	-.663
CENTROID X	.038	.122	.171
CENTROID Y	-.037	-.196	-.388
POA TO CENTROID in.	.053	.230	.424
MIN RADIUS	.284	.352	.467
MEAN RADIUS	.974	.879	.764
MAX RADIUS	1.612	1.586	1.244
HORIZONTAL SPREAD	1.905	1.747	1.747
VERTICAL SPREAD	2.438	2.392	1.671
EXTREME SPREAD	2.665	2.441	1.964
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594553

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 5

3 in - 9

HS= 2.714

VS= 2.751

GS= 3.792

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.224
MINIMUM X	-1.490
MAXIMUM Y	.950
MINIMUM Y	-1.802
CENTROID X	-.306
CENTROID Y	-.192
POA TO CENTROID in.	.361
MIN RADIUS	.221
MEAN RADIUS	1.070
MAX RADIUS	2.338
HORIZONTAL SPREAD	2.714
VERTICAL SPREAD	2.751
EXTREME SPREAD	3.792
NUMBER IN ONE INCH CIRCLE	1
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	9

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534553

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.878

VS= 1.828

GS= 2.019

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.038	1.079	1.172
MINIMUM X	-.840	-.799	-.706
MAXIMUM Y	1.044	.751	.667
MINIMUM Y	-.784	-.668	-.618
CENTROID X	.040	-.001	-.094
CENTROID Y	-.183	-.299	-.216
POA TO CENTROID in.	.187	.299	.235
MIN RADIUS	.407	.308	.343
MEAN RADIUS	.773	.723	.672
MAX RADIUS	1.108	1.092	1.175
HORIZONTAL SPREAD	1.878	1.878	1.878
VERTICAL SPREAD	1.828	1.419	1.286
EXTREME SPREAD	2.019	1.978	1.978
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594553
12 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.321188
1 TO	2	.0950211
1 TO	3	.283933
1 TO	4	.131928
1 TO	5	.441434

~~32~~ <----POB

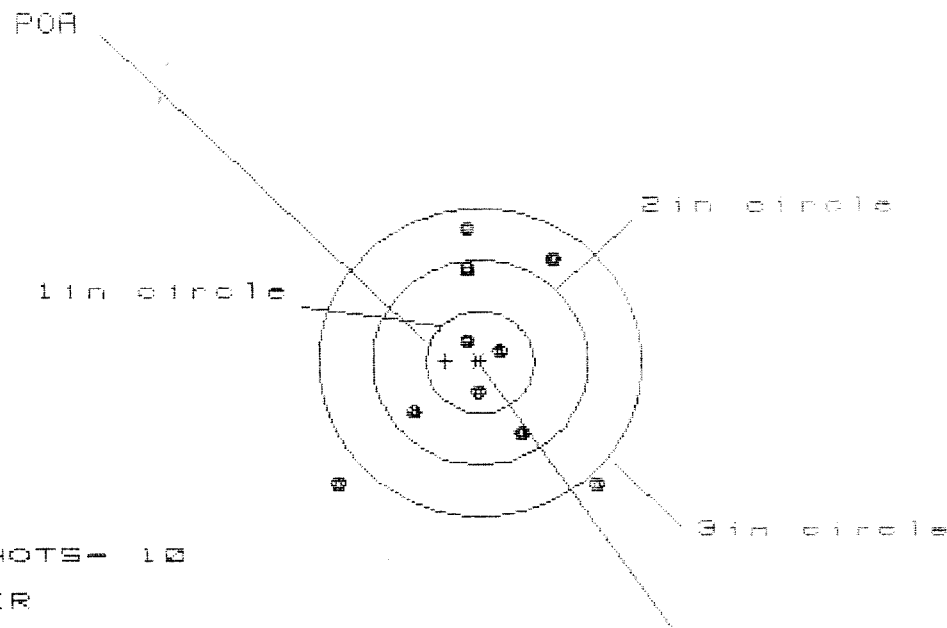
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1544
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0078
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .154597

THE AMR FOR THIS RIFLE IS: .9498

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594553.1

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 3

2in = 6

3in = 8

CENTROID #

HS = 2.336

VS = 2.477

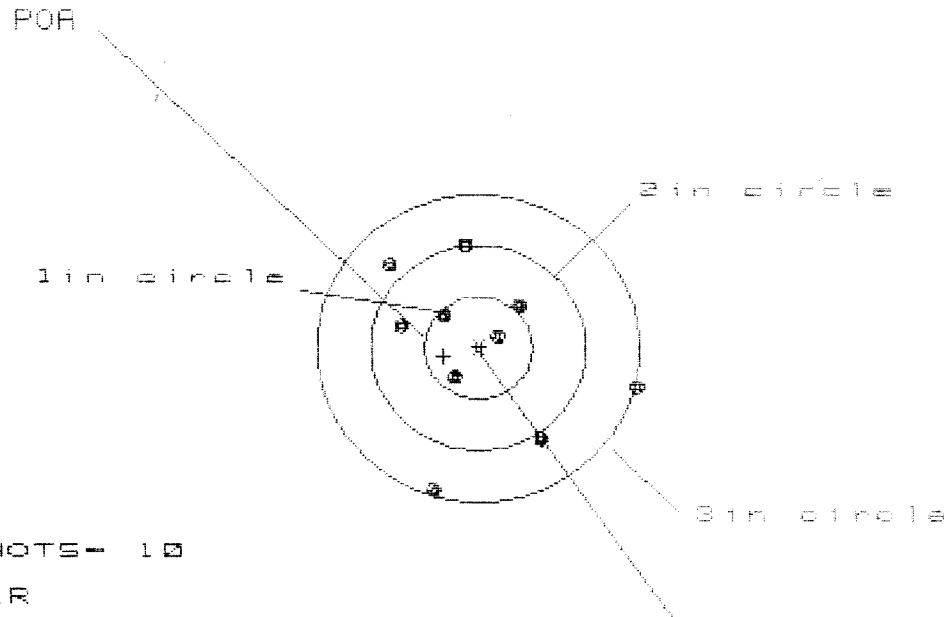
CS = 2.927

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.054	.912	.627
MINIMUM X	-1.282	-.755	-.641
MAXIMUM Y	1.311	1.181	1.019
MINIMUM Y	-1.166	-1.295	-.932
CENTROID X	.321	.463	.349
CENTROID Y	-.011	.119	.281
POA TO CENTROID in.	.321	.478	.448
MIN RADIUS	.254	.071	.112
MEAN RADIUS	.905	.797	.690
MAX RADIUS	1.733	1.583	1.036
HORIZONTAL SPREAD	2.336	1.667	1.268
VERTICAL SPREAD	2.477	2.476	1.951
EXTREME SPREAD	2.927	2.755	2.014
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594553.1

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS = 2.296

VS = 2.385

GS = 2.569

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.473	.698	.670
MINIMUM X	-.823	-.660	-.688
MAXIMUM Y	.998	.959	.781
MINIMUM Y	-1.387	-1.426	-1.087
CENTROID X	.323	.160	.188
CENTROID Y	.084	.123	.301
POA TO CENTROID in.	.334	.201	.355
MIN RADIUS	.222	.307	.178
MEAN RADIUS	.846	.754	.635
MAX RADIUS	1.513	1.443	1.277
HORIZONTAL SPREAD	2.296	1.358	1.358
VERTICAL SPREAD	2.385	2.385	1.868
EXTREME SPREAD	2.569	2.402	2.158
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594553.1

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 2.476

VS = 3.088

GS = 3.299

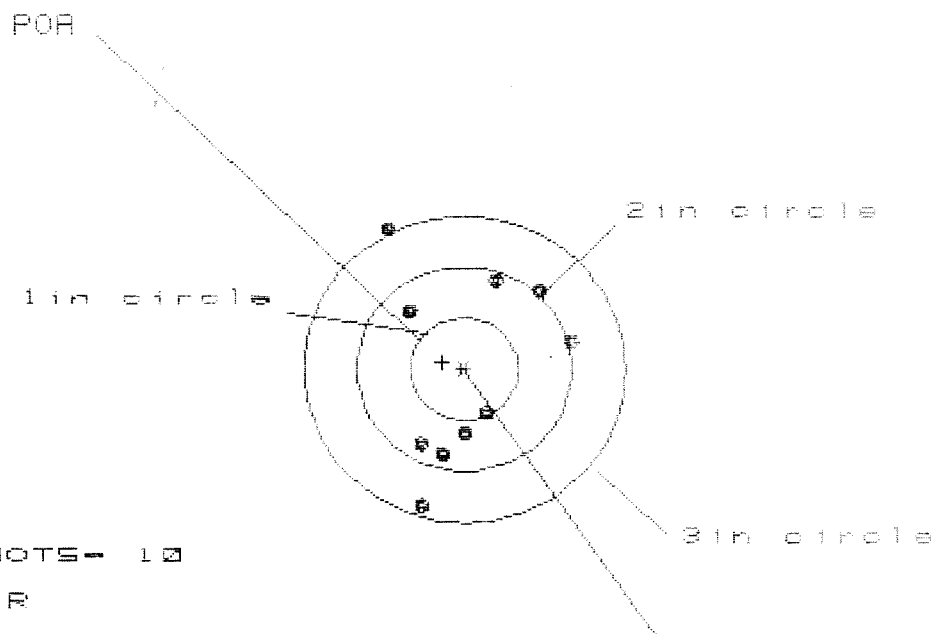
CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.137
MINIMUM X	-1.339
MAXIMUM Y	1.744
MINIMUM Y	-1.344
CENTROID X	.038
CENTROID Y	-.034
POA TO CENTROID in.	.051
MIN RADIUS	.359
MEAN RADIUS	1.040
MAX RADIUS	1.815
HORIZONTAL SPREAD	2.476
VERTICAL SPREAD	3.088
EXTREME SPREAD	3.299
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	9

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594553.1

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 1

2in = 6

3in = 9

HS = 1.591

VS = 2.641

GS = 2.655

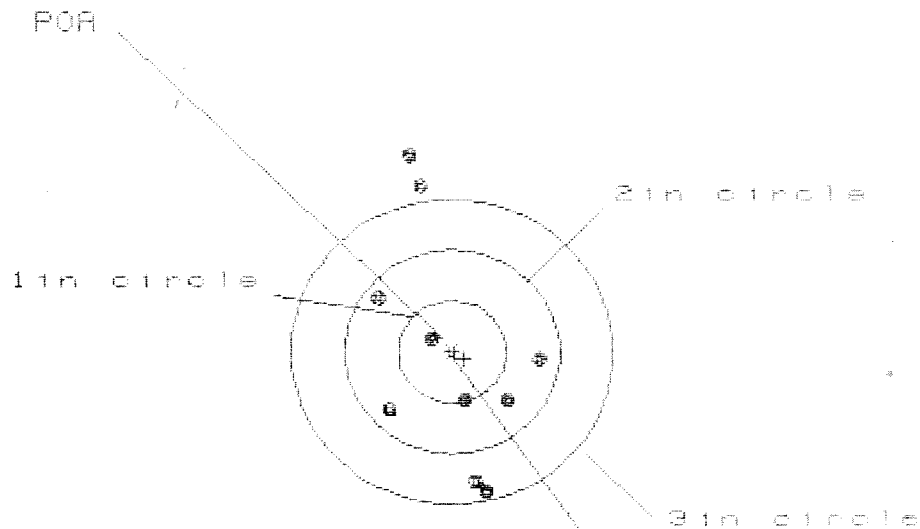
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.999	.922	.860
MINIMUM X	-.692	-.541	-.603
MAXIMUM Y	1.348	1.048	.905
MINIMUM Y	-1.293	-1.143	-.872
CENTROID X	.203	.280	.342
CENTROID Y	-.070	-.220	-.077
POA TO CENTROID in.	.215	.356	.350
MIN RADIUS	.498	.330	.453
MEAN RADIUS	.949	.856	.819
MAX RADIUS	1.515	1.245	.986
HORIZONTAL SPREAD	1.691	1.463	1.463
VERTICAL SPREAD	2.641	2.191	1.777
EXTREME SPREAD	2.655	2.370	1.925
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534553.1

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 3

CENTROID *

HS = 1.454

VS = 3.213

GS = 3.288

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.791
MINIMUM X	-.663
MAXIMUM Y	1.881
MINIMUM Y	-1.332
CENTROID X	-.113
CENTROID Y	.070
POA TO CENTROID in.	.132
MIN RADIUS	.177
MEAN RADIUS	1.009
MAX RADIUS	1.919
HORIZONTAL SPREAD	1.454
VERTICAL SPREAD	3.213
EXTREME SPREAD	3.288
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8