

C6611801

MODEL 700™ M24

Model SWS™

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: RE00131397

Serial: C6611801 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 7/17/2007 7:48:59 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: CO. B 2d Bn., 3d SFG-A

CO. B 2d Bn., 3d SFG-A

Address 1: SGT TIMOTHY KRANZ

SGT TIMOTHY KRANZ

Address 2: E-1650 KUWAIT STREET

PO Box:

E-1650 KUWAIT STREET

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: 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

nagletj

7/17/2007

8:14 AM

CAPS

NUM

INS

SCRL



3 Microsoft O...

3 Microsoft O...

Arms Services ...

4 Internet Ex...

8:14 AM

Serial Number: C6611801

Model: M24 SWS



RE00131397

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611801.___0
FILE DATE AND TIME: 09/08/2007 07:01

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.028
The Average Y Centroid of the Five Target Set:	0.107
The Average Point of Impact of the Five Target Set:	0.111
The Average Mean Radius of the Five Target Set:	0.883
The Distance from POA to Centroid Target #1:	0.126
The Distance from Centroid Target #2 to Centroid Target #1:	0.165
The Distance from Centroid Target #3 to Centroid Target #1:	0.148
The Distance from Centroid Target #4 to Centroid Target #1:	0.055
The Distance from Centroid Target #5 to Centroid Target #1:	0.406

SERIAL NUMBER: C6611801. 0

TARGET NUMBER: 1

FILE DATE: 09/08/2007

FILE TIME: 07:01

POINT#	X	Y
1:	-1.314	0.785
2:	-1.174	0.375
3:	-0.866	0.236
4:	0.436	0.978
5:	0.538	0.394
6:	0.719	-0.936
7:	-0.077	-0.816
8:	0.617	-0.161
9:	0.228	-0.108
10:	-0.047	0.086

X CENTROID: -0.094

Y CENTROID: 0.083

POA TO CENTROID: 0.126

HORZ SPREAD: 2.033

VERT SPREAD: 1.914

GROUP SPREAD: 2.664

MIN RADIUS: 0.047

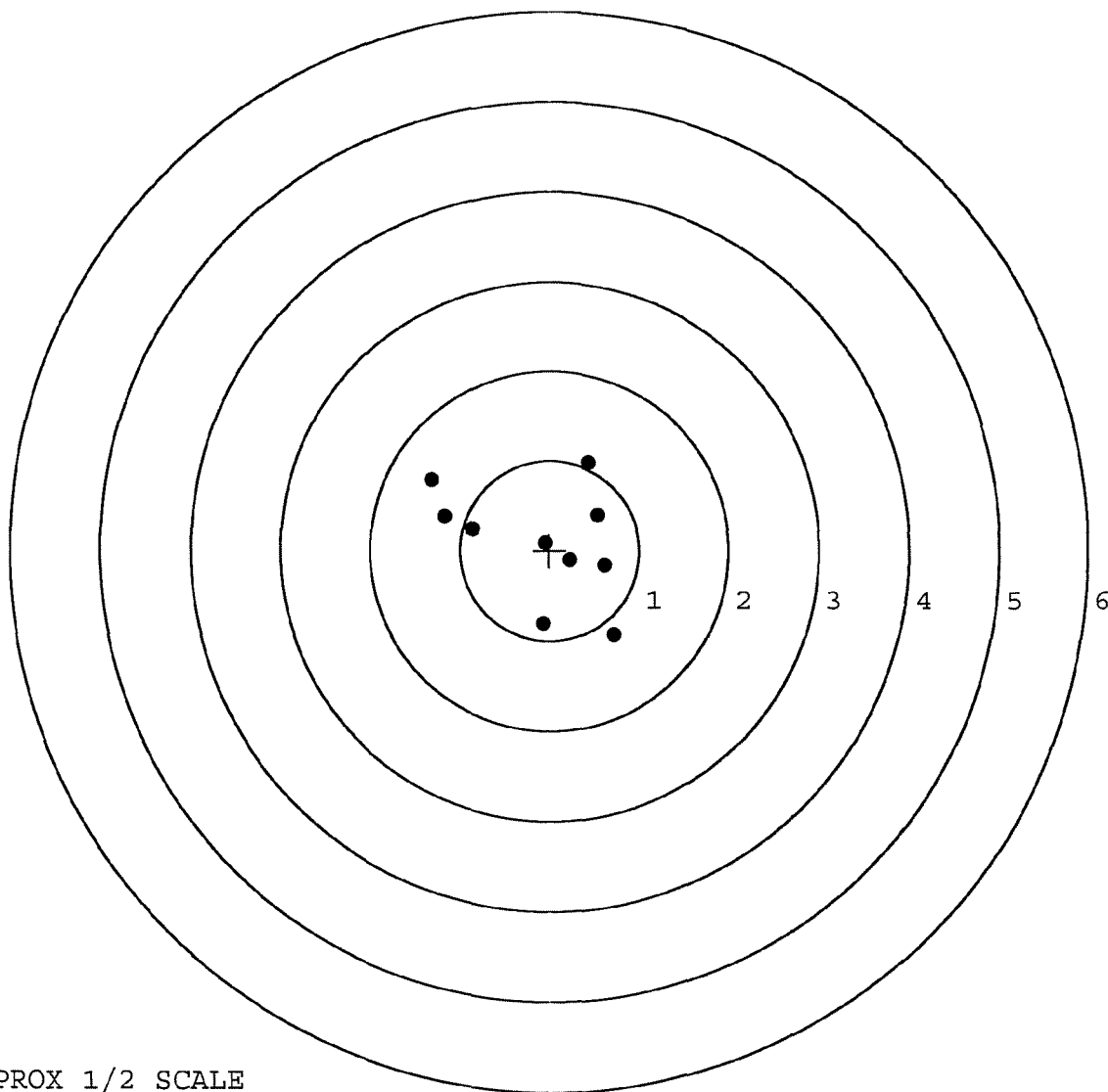
MAX RADIUS: 1.407

MEAN RADIUS: 0.843

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611801. __0

TARGET NUMBER: 2

FILE DATE: 09/08/2007

FILE TIME: 07:01

X CENTROID: 0.057

Y CENTROID: 0.017

POA TO CENTROID: 0.060

HORZ SPREAD: 1.913

VERT SPREAD: 1.869

GROUP SPREAD: 2.511

MIN RADIUS: 0.282

MAX RADIUS: 1.446

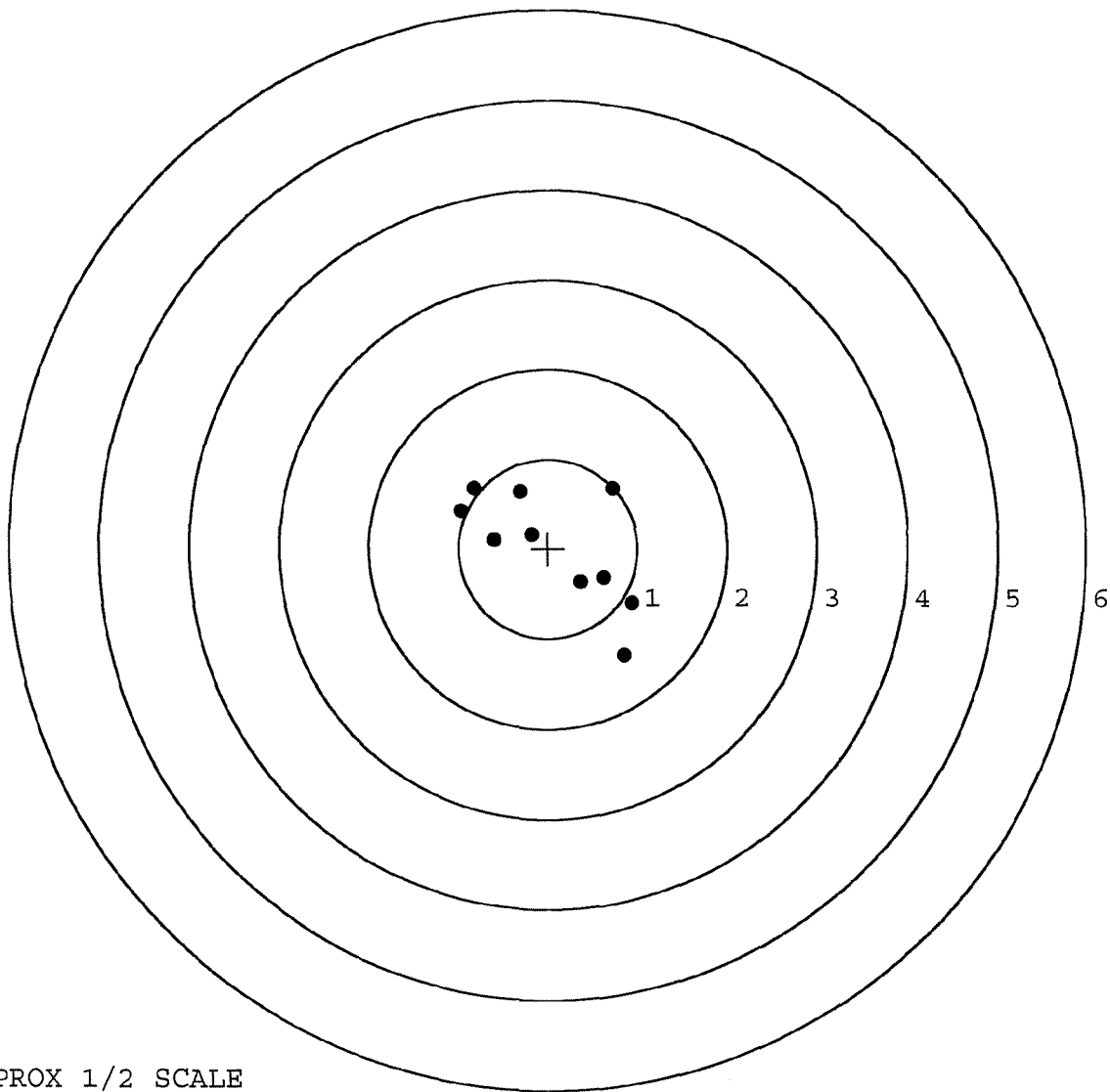
MEAN RADIUS: 0.852

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.848	-1.193
2:	0.934	-0.610
3:	0.623	-0.321
4:	0.362	-0.380
5:	0.726	0.676
6:	-0.186	0.159
7:	-0.606	0.097
8:	-0.319	0.643
9:	-0.829	0.676
10:	-0.979	0.426



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611801.___0

TARGET NUMBER: 3

FILE DATE: 09/08/2007

FILE TIME: 07:01

X CENTROID: 0.052

Y CENTROID: 0.058

POA TO CENTROID: 0.078

HORZ SPREAD: 2.307

VERT SPREAD: 1.677

GROUP SPREAD: 2.358

MIN RADIUS: 0.438

MAX RADIUS: 1.281

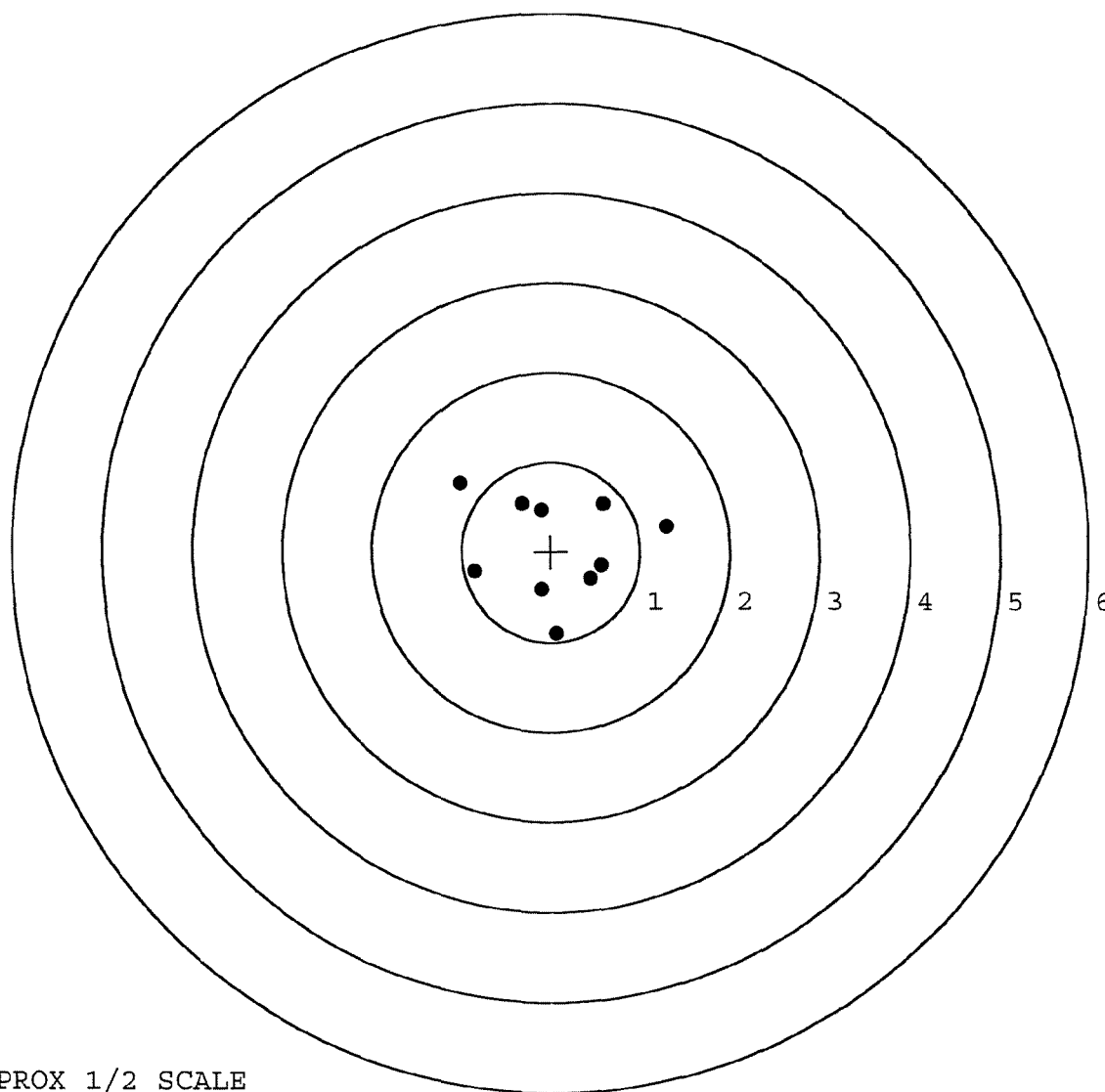
MEAN RADIUS: 0.782

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.292	0.279
2:	0.581	0.539
3:	0.566	-0.150
4:	0.443	-0.303
5:	0.061	-0.911
6:	-0.110	-0.421
7:	-0.854	-0.224
8:	-0.110	0.465
9:	-0.333	0.538
10:	-1.015	0.766



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611801. __0

TARGET NUMBER: 4

FILE DATE: 09/08/2007

FILE TIME: 07:01

X CENTROID: -0.090

Y CENTROID: 0.028

POA TO CENTROID: 0.095

HORZ SPREAD: 2.544

VERT SPREAD: 2.618

GROUP SPREAD: 3.216

MIN RADIUS: 0.294

MAX RADIUS: 1.710

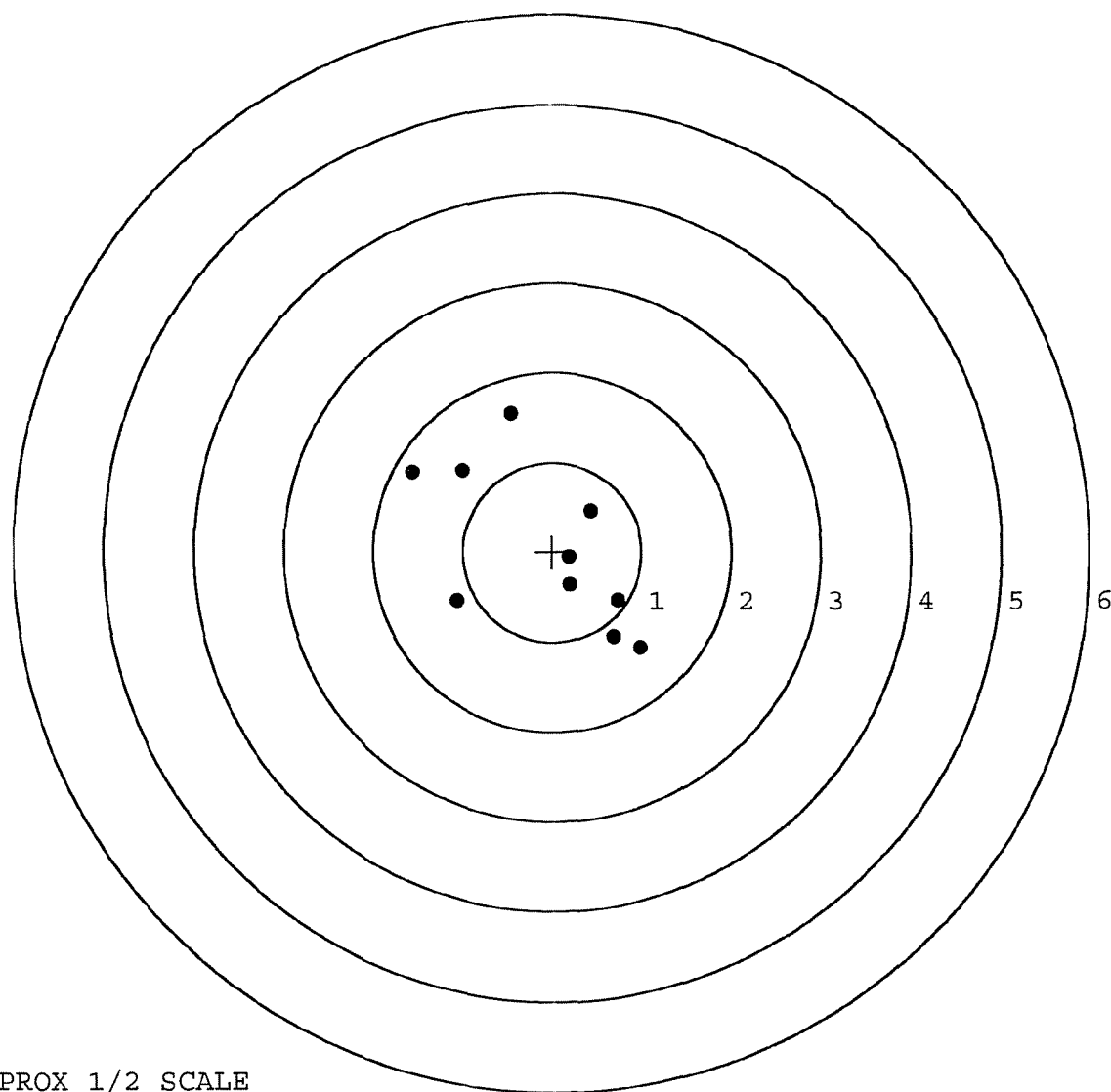
MEAN RADIUS: 1.091

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-0.465	1.547
2:	-1.006	0.913
3:	-1.564	0.896
4:	-1.068	-0.550
5:	0.980	-1.071
6:	0.674	-0.940
7:	0.727	-0.543
8:	0.196	-0.369
9:	0.189	-0.062
10:	0.432	0.462



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611801. __0

TARGET NUMBER: 5

FILE DATE: 09/08/2007

FILE TIME: 07:01

POINT#	X	Y
1:	1.895	1.162
2:	-0.116	1.405
3:	-0.745	1.001
4:	0.434	0.879
5:	-0.080	0.480
6:	-0.022	0.208
7:	-0.013	0.053
8:	0.031	-0.247
9:	0.299	-0.519
10:	0.462	-0.942

X CENTROID: 0.215

Y CENTROID: 0.348

POA TO CENTROID: 0.409

HORZ SPREAD: 2.640

VERT SPREAD: 2.347

GROUP SPREAD: 2.645

MIN RADIUS: 0.275

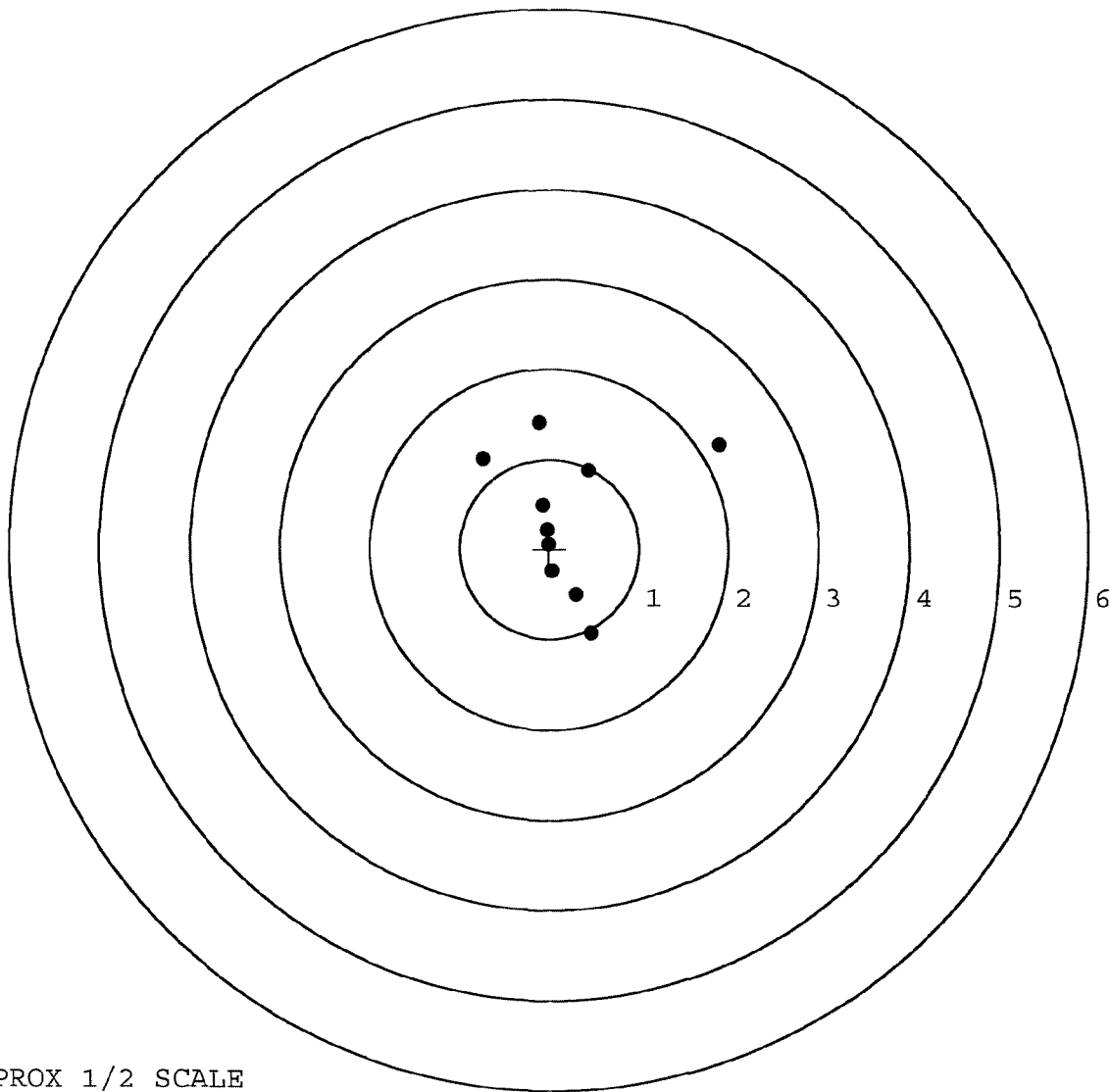
MAX RADIUS: 1.867

MEAN RADIUS: 0.849

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER <u>131397</u>			
SERIAL NUMBER <u>C6611801</u>			
LOG-IN DATE <u>7-17-07</u>			
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-14-07	RTZ
505	RE-BARREL	8-15-07	RTZ
560	ASSEMBLE	8-20-07	RTZ
600	PROOF	8-23-07	W
605	CHECK HEADSPACE	8-23-07	W
610	DIS-ASSEMBLE GUN	8-25-07	RTZ
612	MAGNAFLUX	8-30-07	JB
510	DRILL AND TAP	8-27-07	TRW
615	ROLLMARK CALIBER	8-28-07	CW
618	ROTO-BLAST	8-30-07	LY
620	APPLY COATINGS	8/31/07	RS
625	FINAL ASSEMBLY	9-7-07	RTZ
640	FUNCTION TEST AND	9/7/07	W
650	TARGET	9/7/07	W
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-7-07	SD
	A) HEADSPACE	9-12-07	DA
	B) TRIGGER PULL	9-12-07	DA
	F) SAFETY ON FORCE	9-12-07	DA
	G) SAFETY OFF FORCE	9-12-07	DA
	I) FIRING PIN INDENT	9-12-07	DA
690	PACK	9-12-07	DA

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: RE00036603 Serial: C6611801 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOG 4 of 10 Repairman: Status: Closed 11/30/01 10:20:01 AM

Verify Repair High Priority

Address Information

Customer: Received From Return To: Received From

Name: Address 1: Address 2: PO Box: City: FORT BRAGG State: NC Zip Code: Country: US

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Fair

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

Start I... C... A... S... P... T... D... E... S... V... I... 11:11 AM

Serial Number: C6611801

Model: 700



RE00036603

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

R & E NUMBER	<u>36603</u>		
SERIAL NUMBER	<u>C(66)1801</u>		
LOG-IN DATE	<u>11-30-01</u>		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	<u>12-2-01</u>	<u>[Signature]</u>
560 A	RE-BARREL	<u>12/3/01</u>	BWT
B	DRILL AND TAP	<u>12/3/01</u>	BWT
575	ASSEMBLE	<u>12-4-01</u>	<u>[Signature]</u>
600	PROOF	<u>12-4-01</u>	<u>[Signature]</u>
605	CHECK HEADSPACE	<u>12-4-01</u>	<u>[Signature]</u>
610	DIS-ASSEMBLE GUN	<u>12-4-01</u>	<u>[Signature]</u>
612	MAGNAFLUX		HL
615	ROLLMARK CALIBER	<u>12-4-01</u>	<u>[Signature]</u>
618	ROTO-BLAST	<u>12/7-01</u>	LJO
620	APPLY COATINGS	<u>12-10-01</u>	TJH
625 A	FINAL ASSEMBLY	<u>12-12-01</u>	<u>[Signature]</u>
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	<u>12/16/01</u>	JRH
655	FINAL INSPECT	<u>12-18-01</u>	<u>[Signature]</u>
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611801.___0
FILE DATE AND TIME: 12/16/2001 03:46

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.077
The Average Y Centroid of the Five Target Set:	0.028
The Average Point of Impact of the Five Target Set:	0.082
The Average Mean Radius of the Five Target Set:	0.587
The Distance from POA to Centroid Target #1:	0.170
The Distance from Centroid Target #2 to Centroid Target #1:	0.205
The Distance from Centroid Target #3 to Centroid Target #1:	0.131
The Distance from Centroid Target #4 to Centroid Target #1:	0.068
The Distance from Centroid Target #5 to Centroid Target #1:	0.238

SERIAL NUMBER: C6611801. 0

TARGET NUMBER: 1

FILE DATE: 12/16/2001

FILE TIME: 03:46

POINT#	X	Y
1:	-0.188	-0.859
2:	1.166	-1.069
3:	0.700	-0.538
4:	0.462	-0.426
5:	0.092	-0.315
6:	0.189	-0.098
7:	-0.123	0.315
8:	0.220	0.486
9:	0.198	1.084
10:	-1.092	0.923

X CENTROID: 0.162

Y CENTROID: -0.050

POA TO CENTROID: 0.170

HORZ SPREAD: 2.258

VERT SPREAD: 2.153

GROUP SPREAD: 3.011

MIN RADIUS: 0.055

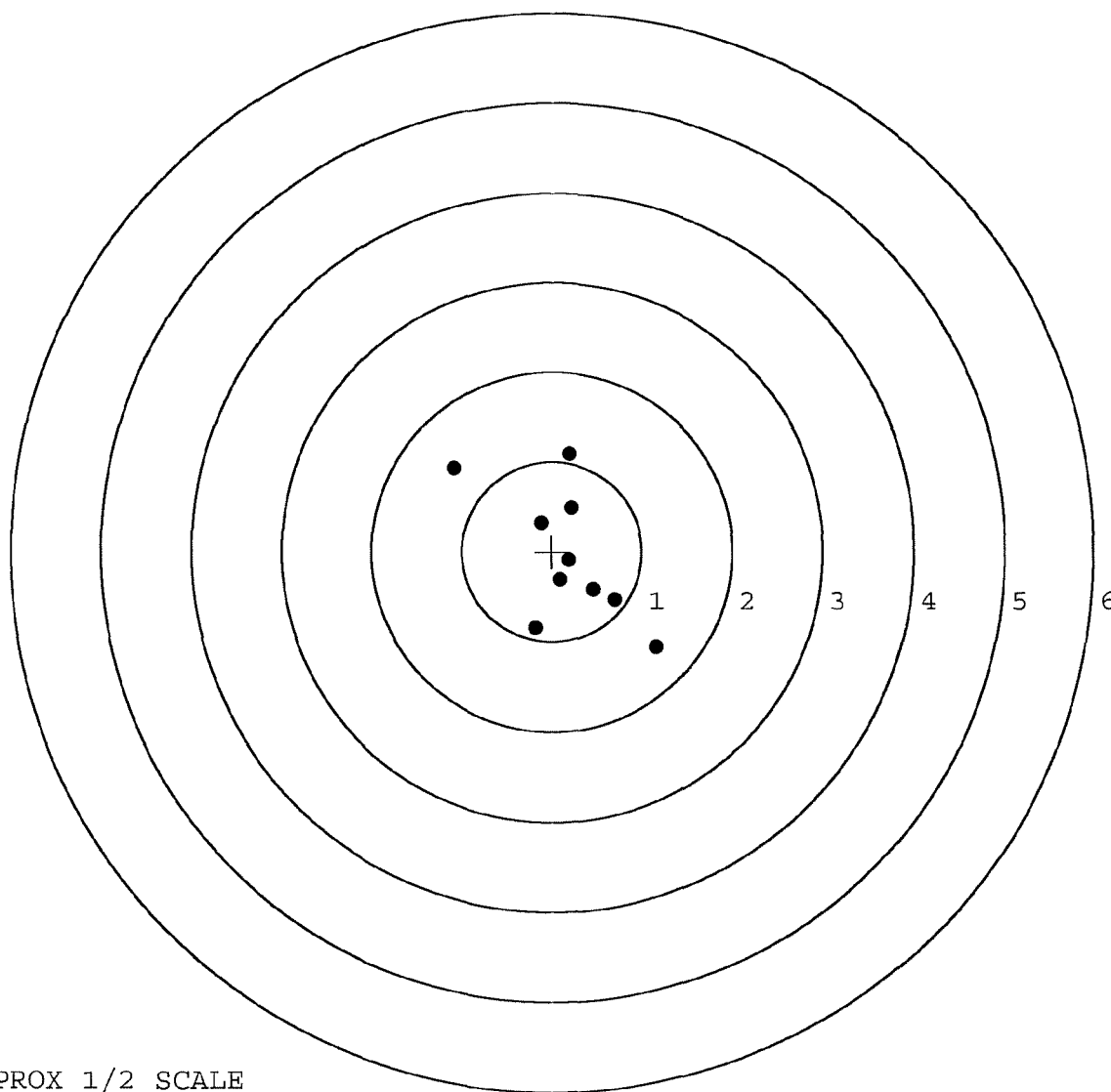
MAX RADIUS: 1.587

MEAN RADIUS: 0.757

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611801.___0

TARGET NUMBER: 2

FILE DATE: 12/16/2001

FILE TIME: 03:46

X CENTROID: -0.038

Y CENTROID: -0.006

POA TO CENTROID: 0.038

HORZ SPREAD: 1.187

VERT SPREAD: 1.192

GROUP SPREAD: 1.258

MIN RADIUS: 0.037

MAX RADIUS: 0.837

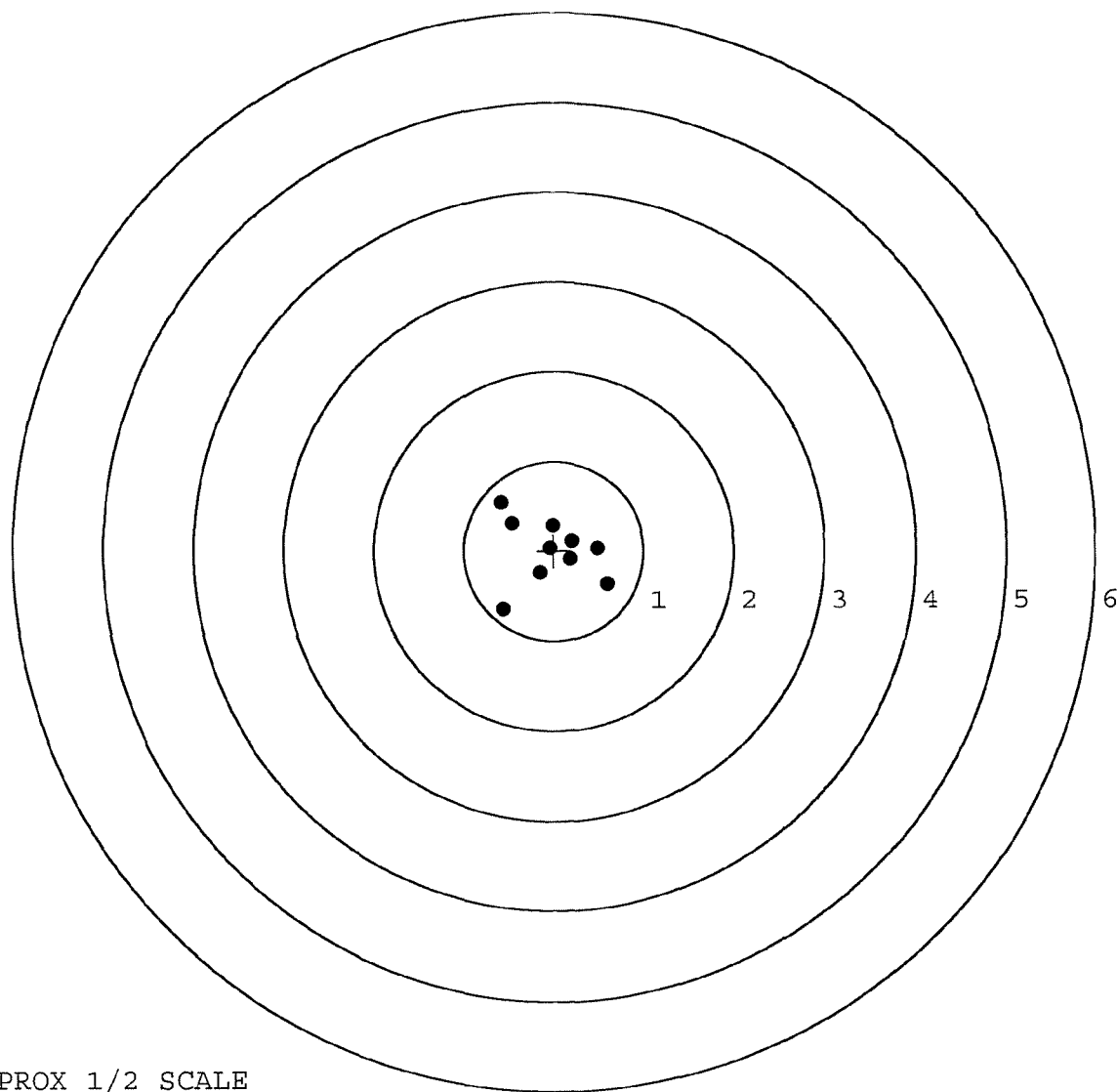
MEAN RADIUS: 0.451

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.571	-0.651
2:	-0.590	0.541
3:	-0.470	0.313
4:	0.597	-0.370
5:	0.487	0.029
6:	0.205	0.111
7:	-0.017	0.286
8:	-0.154	-0.250
9:	-0.043	0.031
10:	0.180	-0.097



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611801. __0

TARGET NUMBER: 3

FILE DATE: 12/16/2001

FILE TIME: 03:46

X CENTROID: 0.056

Y CENTROID: 0.026

POA TO CENTROID: 0.061

HORZ SPREAD: 0.821

VERT SPREAD: 1.475

GROUP SPREAD: 1.557

MIN RADIUS: 0.177

MAX RADIUS: 0.976

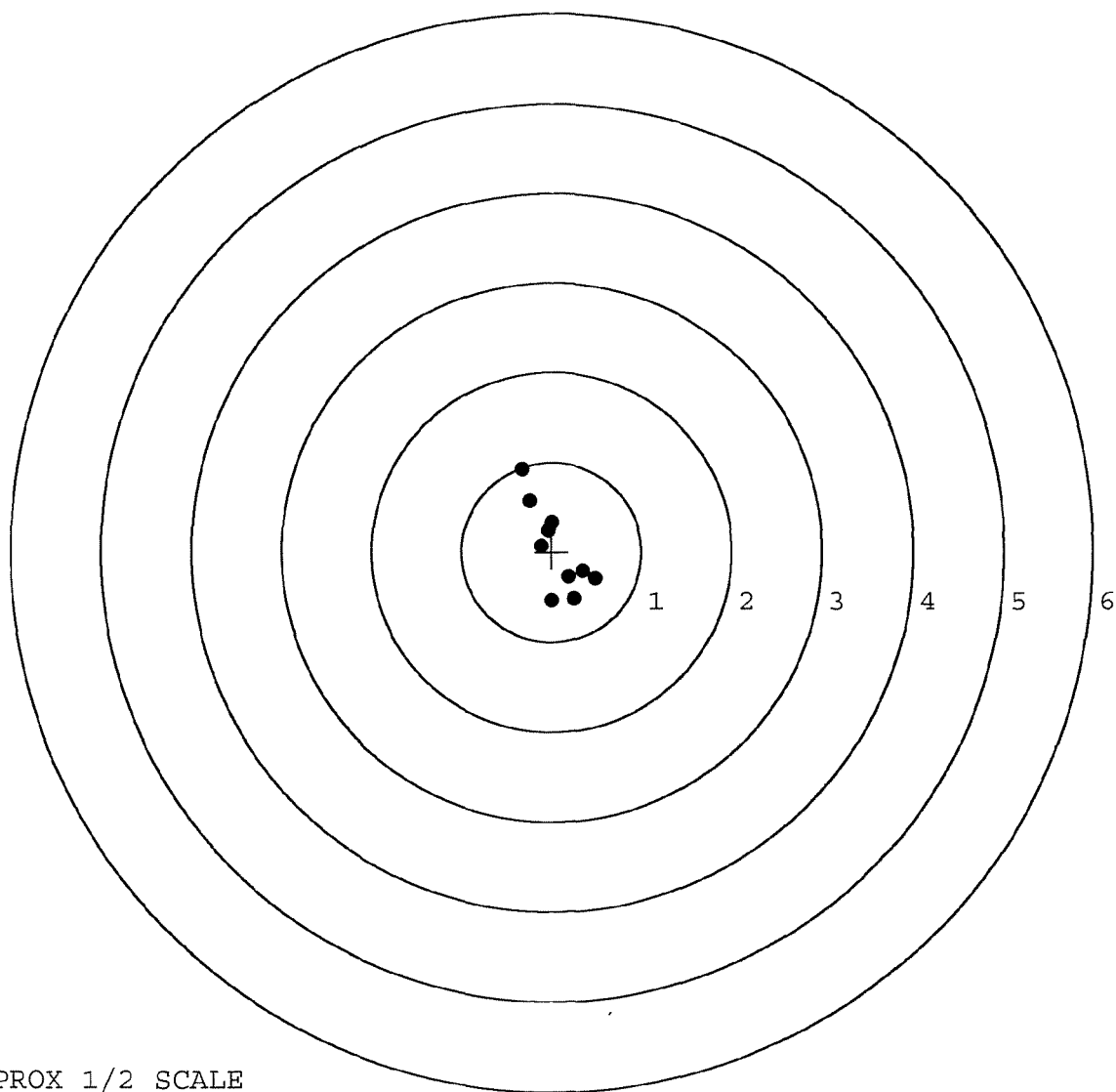
MEAN RADIUS: 0.474

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.330	0.922
2:	-0.248	0.573
3:	0.009	0.332
4:	-0.117	0.063
5:	-0.001	-0.553
6:	0.250	-0.523
7:	0.491	-0.296
8:	0.351	-0.218
9:	0.189	-0.278
10:	-0.037	0.234



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611801. 0

TARGET NUMBER: 4

FILE DATE: 12/16/2001

FILE TIME: 03:46

X CENTROID: 0.108

Y CENTROID: -0.010

POA TO CENTROID: 0.108

HORZ SPREAD: 1.221

VERT SPREAD: 1.323

GROUP SPREAD: 1.730

MIN RADIUS: 0.105

MAX RADIUS: 0.996

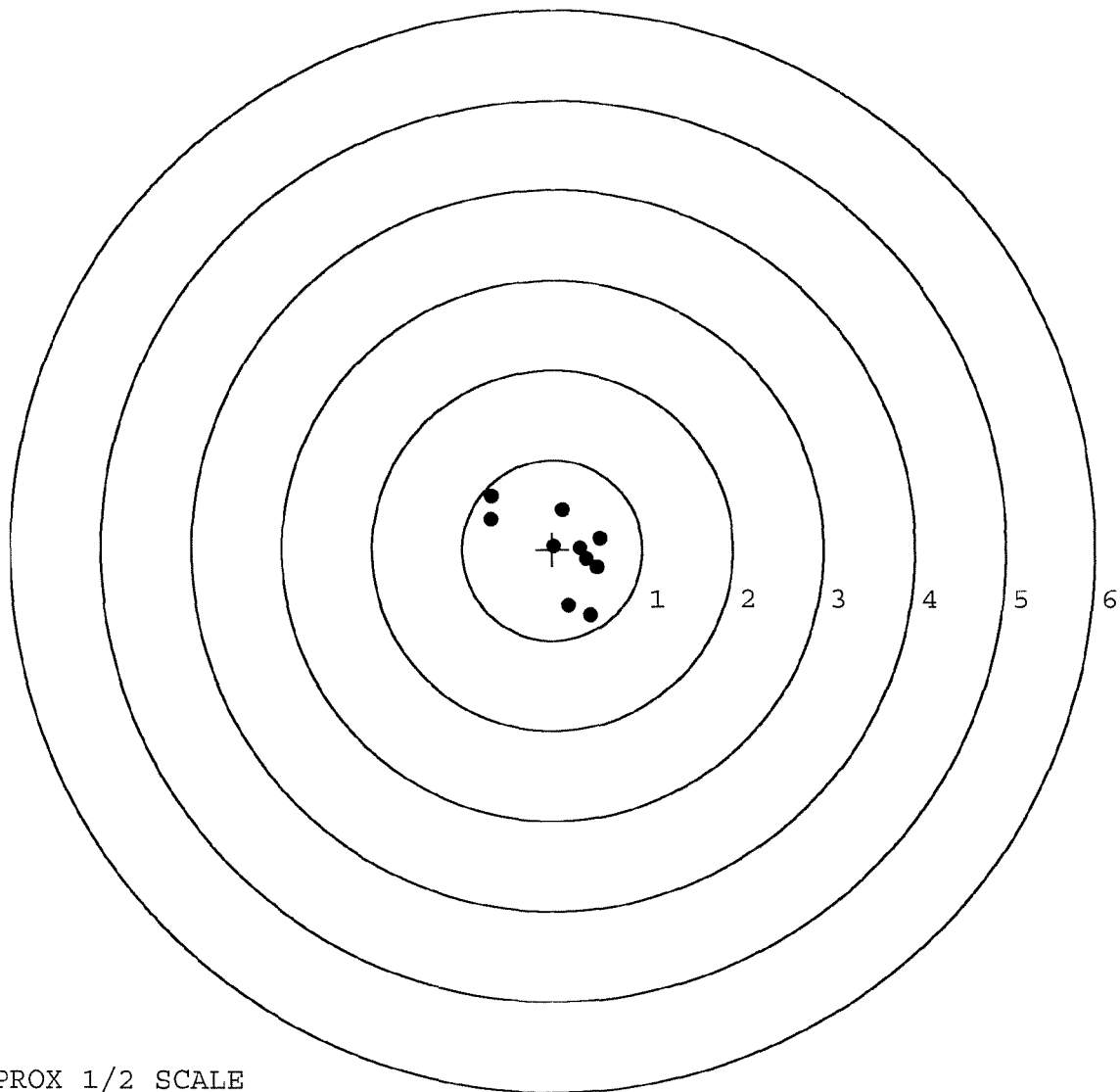
MEAN RADIUS: 0.520

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.685	0.594
2:	-0.689	0.338
3:	0.177	-0.624
4:	0.429	-0.729
5:	0.500	-0.201
6:	0.532	0.132
7:	0.015	0.040
8:	0.113	0.442
9:	0.307	0.018
10:	0.379	-0.107



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611801. __0

TARGET NUMBER: 5

FILE DATE: 12/16/2001

FILE TIME: 03:46

X CENTROID: 0.095

Y CENTROID: 0.178

POA TO CENTROID: 0.202

HORZ SPREAD: 1.334

VERT SPREAD: 2.516

GROUP SPREAD: 2.521

MIN RADIUS: 0.166

MAX RADIUS: 1.556

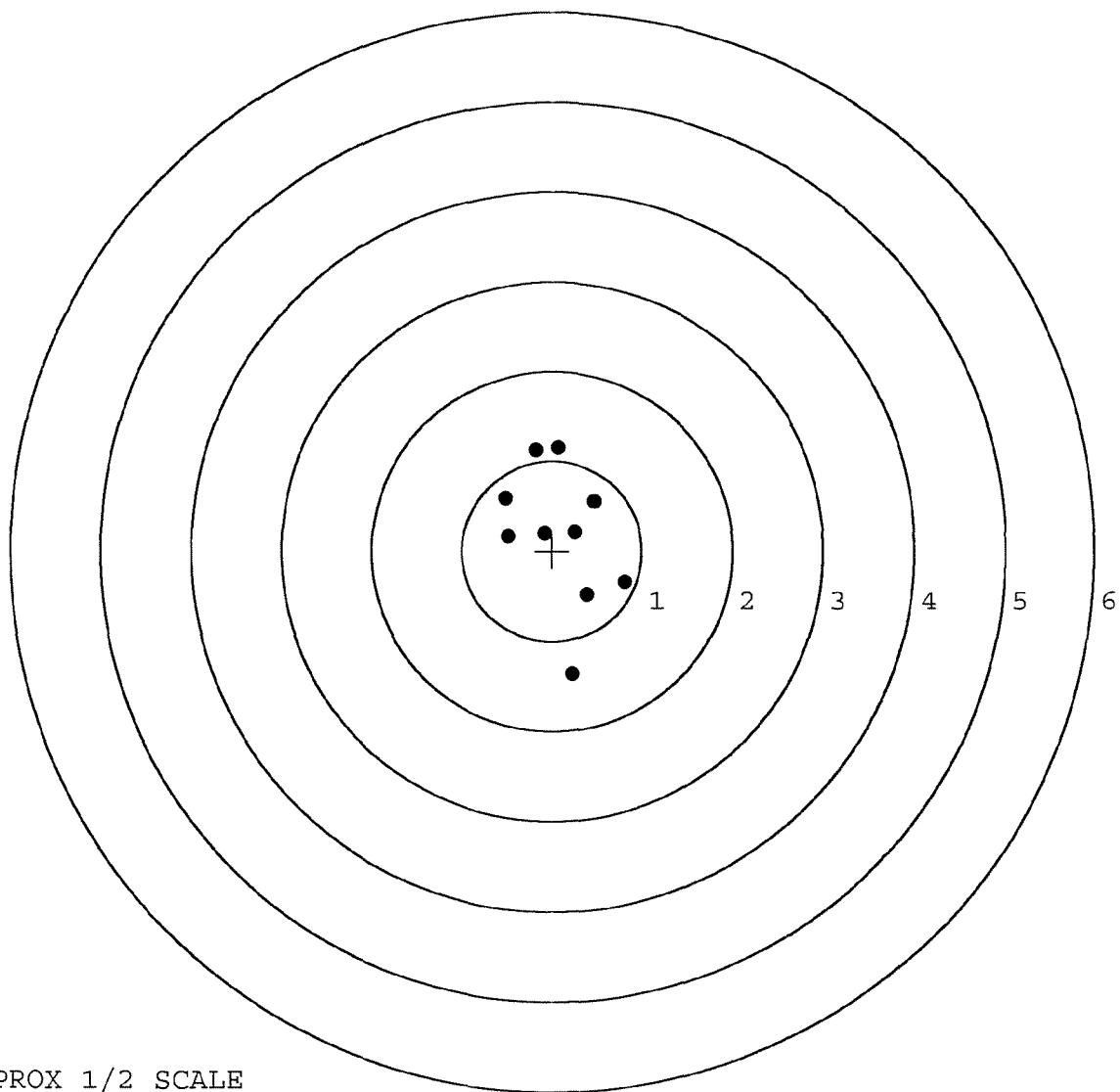
MEAN RADIUS: 0.732

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.233	-1.372
2:	0.812	-0.345
3:	0.392	-0.483
4:	0.259	0.208
5:	0.470	0.556
6:	-0.085	0.199
7:	-0.491	0.172
8:	-0.522	0.590
9:	-0.185	1.114
10:	0.070	1.144



TARGET APPROX 1/2 SCALE

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700TM M24

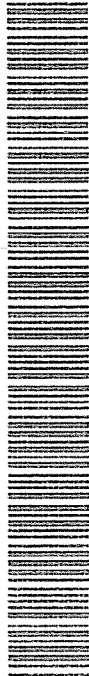
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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

SERIAL NO.
 C6611801

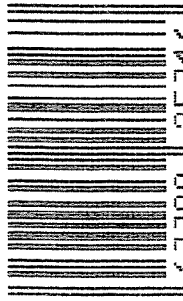
ORDER NO.
 5716

20



5716 C6611801

UPC



0 47700 25716 7

CFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611801

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/22/91	KS
600	Proof		1/22/91	KS
607	Check Headspace		1/22/91	KS
610	Dis-assemble Gun		1/22/91	KS
612	Magnaflux Barrel Action		1/29/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes	2 2 91		KB
618	Polish Barrel <i>BBB</i>	2 2 91		WB
620	Apply Coatings (Barrel Action)		2/1/91	~~KA~~
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		3/5/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/5/91	KA
	C) Inspect Ejector Hole for Chamfer		3/5/91	KA
	D) Oil Firing Pin Ass'y		3/5/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		3/7/91	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 ³ / ₄	4 ³ / ₄	4 ³ / ₄			3/7/91	WB
	G) Safety Off Force	2 ¹ / ₄	2 ¹ / ₄	2 ¹ / ₄			3/7/91	WB
	H) Trigger Pull Test & Retainability						3/7/91	WB
	I) Firing Pin Indent	.0215	.022	.022			3/7/91	WB
	J) Assemble Stock						3/8/91	Kd
	K) Assemble Swivel Studs						3-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						3/8/91	Kd
	M) Iron Sight Alignment						3/8/91	Kd
	N) Detach Front & Rear Sights & place in numbered container						3/8/91	Kd
	O) Attach Scope to Rifle						3/8/91	Kd
	P) Detach & Attach Scope 20 Times						3/8/91	Kd
640	Gallery Target & Test						3-9-91	AC
	A) Time						3-9-91	AC
	B) Malfunctions						3-9-91	AC
	C) Pierced Primers						3-9-91	AC
	D) Optical Clarity of Scope						3-9-91	AC
645	Inspect for Live Ammo						3-9-91	AC
655	Final Inspection							
	A) Headspace						3-1-91	D/H
	B) Trigger Pull	2.48	2.52	2.54	2.45	2.41	3/1/91	JY
	C) Function						3-1-91	D/H
660	Pack						3-15-91	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. C6611801

DATE 3/7/91

TESTER WLB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	² 2.56	² 2.37	³ 2.24	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.52	2.24	2.52	
PULL #3	2.55	2.56	2.38	2.59	
PULL #4	2.60	2.42	2.38	2.45	
PULL #5	2.56	2.36	2.39	2.41	
TOTAL	12.76	12.23	11.63		
AVG.	2.55	2.45	2.32		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	² 3.29	² 3.36		
PULL #2	3.21	3.46		
PULL #3	3.35	3.47		
PULL #4	3.34	3.52		
PULL #5	3.26	3.25		
TOTAL	16.45	17.06		
AVG.	3.29	3.41		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	² 4.43	³ 4.32		¹ 4.41
PULL #2	4.38	4.48		4.51
PULL #3	4.37	4.29		4.23
PULL #4	4.37	4.38		4.54
PULL #5	4.44	4.54		4.56
TOTAL	21.99	22.01		22.25
AVG.	4.40	4.40		4.45

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611801
9 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.122711
1 TO	2	.469102
1 TO	3	.540675
1 TO	4	.349894
1 TO	5	.309588

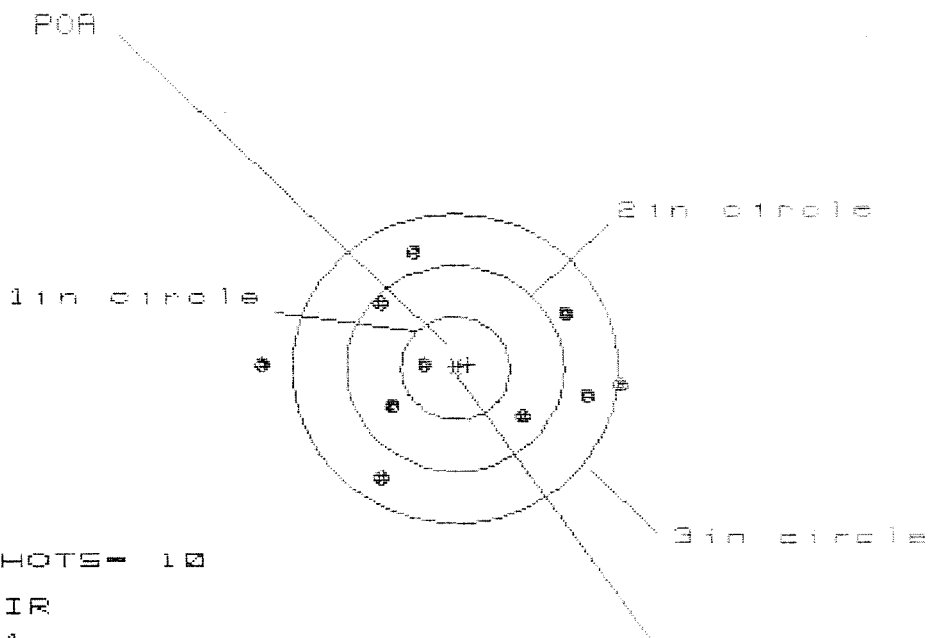
$\frac{5}{11} \approx$ <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .163
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0108
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .163357
THE AMR FOR THIS RIFLE IS: .975

9 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611881

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 3.282

VS = 2.186

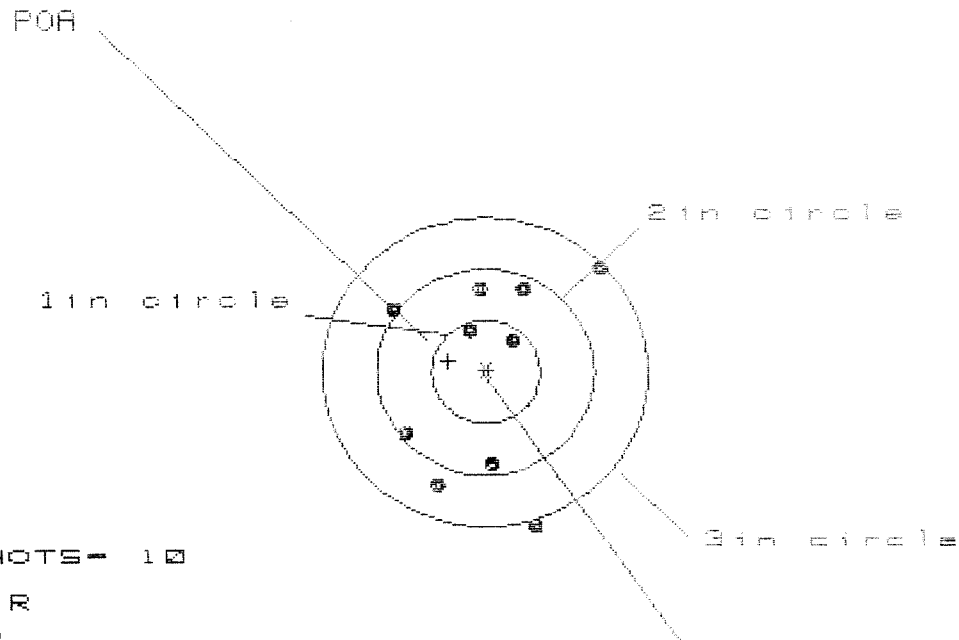
GS = 3.289

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.538	1.344	1.174
MINIMUM X	:	-1.744	-.986	-.738
MAXIMUM Y	:	1.123	1.127	1.187
MINIMUM Y	:	-1.063	-1.059	-1.088
CENTROID X	:	-.117	.077	-.091
CENTROID Y	:	-.037	-.041	-.020
POA TO CENTROID in.	:	.122	.088	.093
MIN RADIUS	:	.304	.497	.330
MEAN RADIUS	:	1.079	1.004	.940
MAX RADIUS	:	1.745	1.363	1.281
HORIZONTAL SPREAD	:	3.282	2.250	1.912
VERTICAL SPREAD	:	2.186	2.186	2.186
EXTREME SPREAD	:	3.289	2.390	2.282
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			8	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 1.913

VS= 2.500

GS= 2.584

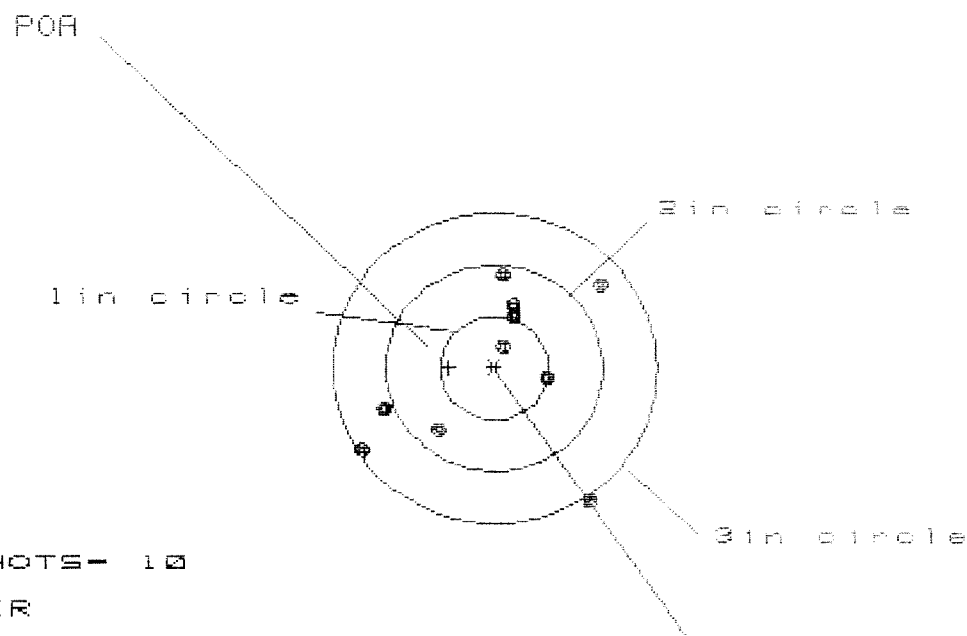
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.092	1.144	.595
MINIMUM X	:	-.821	-.769	-.625
MAXIMUM Y	:	1.050	.889	.798
MINIMUM Y	:	-1.450	-1.206	-1.095
CENTROID X	:	.347	.295	.152
CENTROID Y	:	-.106	.055	-.056
POA TO CENTROID in.	:	.362	.300	.162
MIN RADIUS	:	.391	.244	.323
MEAN RADIUS	:	.949	.848	.784
MAX RADIUS	:	1.524	1.449	1.118
HORIZONTAL SPREAD	:	1.913	1.913	1.220
VERTICAL SPREAD	:	2.500	2.095	1.893
EXTREME SPREAD	:	2.584	2.584	2.063
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 5

3 in - 8

HS- 2.277

VS- 2.228

GS- 2.806

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.014	1.112	.966
MINIMUM X	:	-1.263	-1.165	-1.093
MAXIMUM Y	:	.908	.761	.641
MINIMUM Y	:	-1.321	-.962	-.812
CENTROID X	:	.423	.325	.471
CENTROID Y	:	-.010	.137	.258
POA TO CENTROID in.	:	.424	.353	.537
MIN RADIUS	:	.254	.199	.038
MEAN RADIUS	:	.907	.807	.651
MAX RADIUS	:	1.509	1.511	1.251
HORIZONTAL SPREAD	:	2.277	2.277	2.059
VERTICAL SPREAD	:	2.228	1.723	1.452
EXTREME SPREAD	:	2.806	2.806	2.367
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in - 0

2 in - 6

3 in - 10

HS - 2.2009

VS - 2.048

GS - 2.829

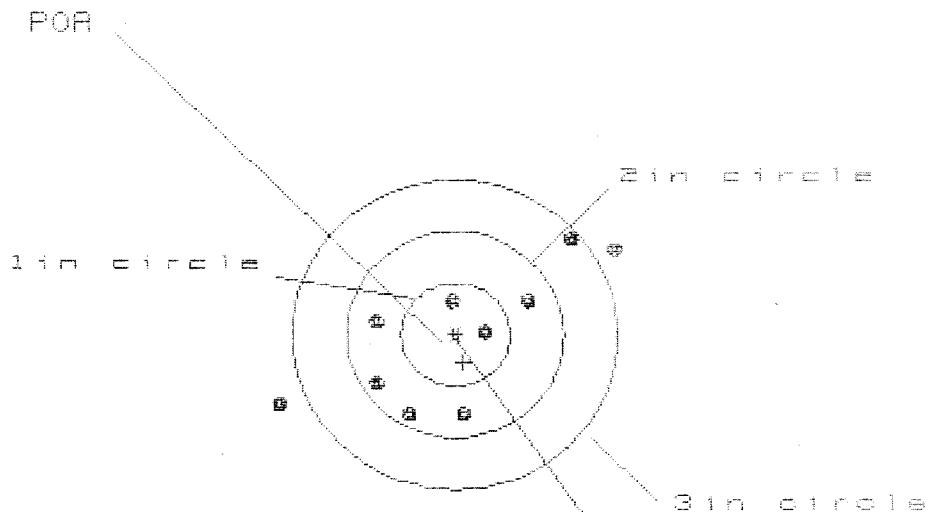
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.022	.919	.830
MINIMUM X	:	-1.187	-1.290	-1.175
MAXIMUM Y	:	.944	.821	.854
MINIMUM Y	:	-1.104	-1.013	-.910
CENTROID X	:	.232	.335	.220
CENTROID Y	:	-.062	.061	-.041
POA TO CENTROID in.	:	.240	.340	.224
MIN RADIUS	:	.572	.583	.593
MEAN RADIUS	:	.991	.913	.885
MAX RADIUS	:	1.444	1.524	1.373
HORIZONTAL SPREAD	:	2.209	2.209	2.005
VERTICAL SPREAD	:	2.048	1.834	1.765
EXTREME SPREAD	:	2.829	2.747	2.275
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS = 3.085

VS = 1.659

GS = 3.470

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.460	1.279	1.024
MINIMUM X	:	-1.635	-.924	-.754
MAXIMUM Y	:	.926	.846	.943
MINIMUM Y	:	-.733	-.813	-.717
CENTROID X	:	-.070	.111	-.049
CENTROID Y	:	.269	.349	.253
POA TO CENTROID in.	:	.278	.366	.257
MIN RADIUS	:	.282	.106	.264
MEAN RADIUS	:	.949	.839	.752
MAX RADIUS	:	1.785	1.494	1.391
HORIZONTAL SPREAD	:	3.095	2.203	1.788
VERTICAL SPREAD	:	1.659	1.659	1.659
EXTREME SPREAD	:	3.470	2.576	2.277
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	