

06522163

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: **RE00131394**Serial: C6522163 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 7/17/2007 7:49:12 AM

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

naglej

7/17/2007

8:14 AM

CAPS

NUM

INS

SCRL

start

3 Microsoft Of...

3 Microsoft Of...

Arms Services R...

4 Internet Expl...

8:14 AM

Serial Number:

C6522163Model: **M24 SWS****RE00131394**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522163.___0

FILE DATE AND TIME: 09/08/2007 06:43

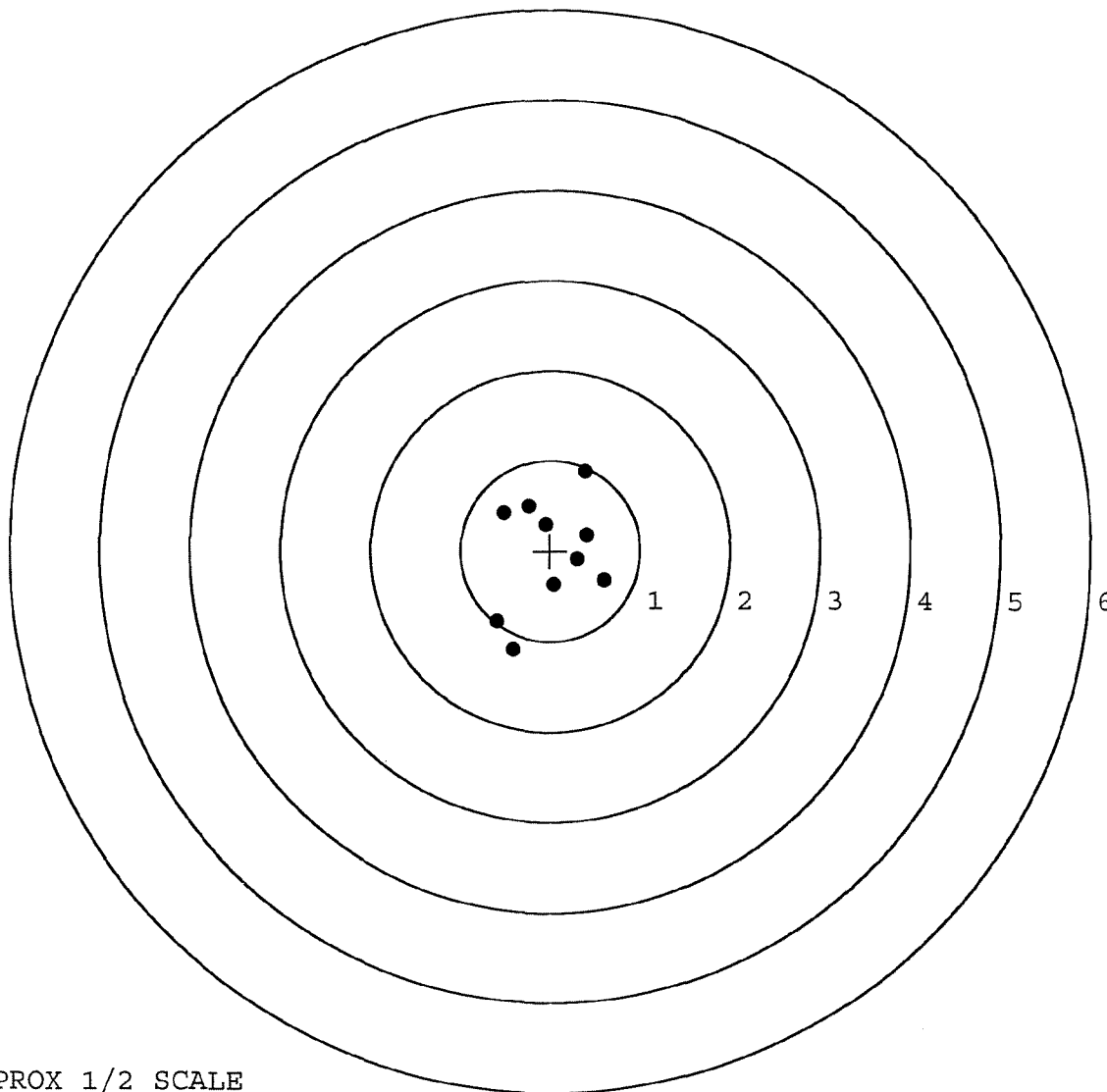
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.041
The Average Y Centroid of the Five Target Set:	-0.076
The Average Point of Impact of the Five Target Set:	0.086
The Average Mean Radius of the Five Target Set:	0.670
The Distance from POA to Centroid Target #1:	0.044
The Distance from Centroid Target #2 to Centroid Target #1:	0.205
The Distance from Centroid Target #3 to Centroid Target #1:	0.101
The Distance from Centroid Target #4 to Centroid Target #1:	0.194
The Distance from Centroid Target #5 to Centroid Target #1:	0.144

SERIAL NUMBER: C6522163. __0
 TARGET NUMBER: 1
 FILE DATE: 09/08/2007
 FILE TIME: 06:43

POINT#	X	Y
1:	-0.418	-1.094
2:	-0.600	-0.782
3:	0.602	-0.332
4:	0.043	-0.375
5:	0.300	-0.096
6:	0.401	0.179
7:	0.389	0.878
8:	-0.055	0.289
9:	-0.244	0.495
10:	-0.524	0.416

X CENTROID: -0.011
 Y CENTROID: -0.042
 POA TO CENTROID: 0.044
 HORZ SPREAD: 1.202
 VERT SPREAD: 1.972
 GROUP SPREAD: 2.131
 MIN RADIUS: 0.315
 MAX RADIUS: 1.128
 MEAN RADIUS: 0.648
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



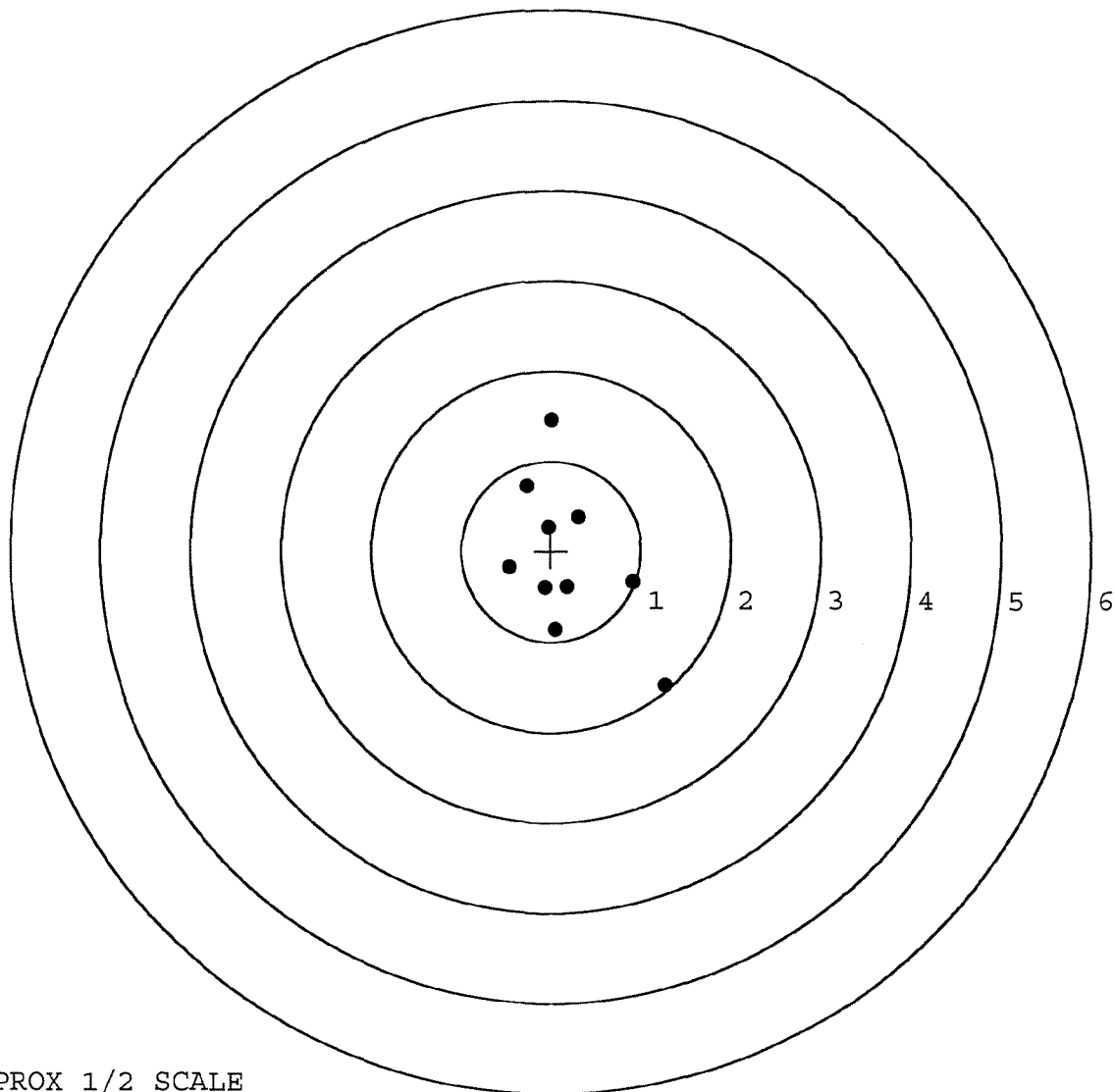
TARGET APPROX 1/2 SCALE

BARBER - M24 0003950

SERIAL NUMBER: C6522163. __0
 TARGET NUMBER: 2
 FILE DATE: 09/08/2007
 FILE TIME: 06:43

POINT#	X	Y
1:	1.261	-1.487
2:	0.918	-0.349
3:	0.047	-0.868
4:	0.183	-0.404
5:	-0.068	-0.412
6:	-0.463	-0.187
7:	0.305	0.376
8:	-0.029	0.262
9:	-0.273	0.725
10:	0.011	1.455

X CENTROID: 0.189
 Y CENTROID: -0.089
 POA TO CENTROID: 0.209
 HORZ SPREAD: 1.724
 VERT SPREAD: 2.942
 GROUP SPREAD: 3.197
 MIN RADIUS: 0.315
 MAX RADIUS: 1.762
 MEAN RADIUS: 0.810
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 8

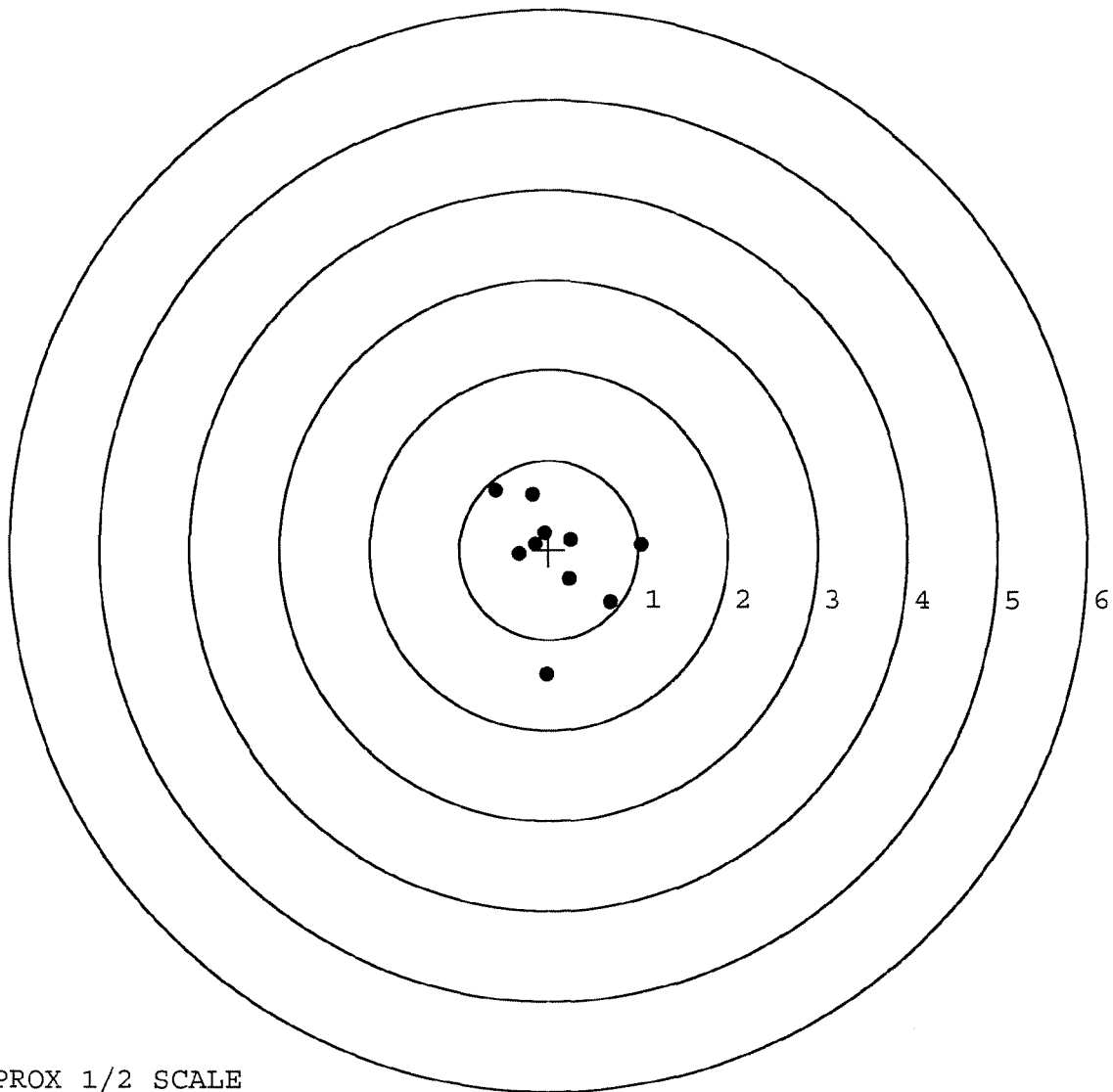


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. __0
 TARGET NUMBER: 3
 FILE DATE: 09/08/2007
 FILE TIME: 06:43

POINT#	X	Y
1:	-0.023	-1.389
2:	0.689	-0.583
3:	1.038	0.057
4:	0.227	-0.329
5:	-0.599	0.671
6:	-0.181	0.624
7:	0.250	0.114
8:	-0.331	-0.052
9:	-0.147	0.064
10:	-0.041	0.188

X CENTROID: 0.088
 Y CENTROID: -0.063
 POA TO CENTROID: 0.109
 HORZ SPREAD: 1.637
 VERT SPREAD: 2.060
 GROUP SPREAD: 2.139
 MIN RADIUS: 0.240
 MAX RADIUS: 1.330
 MEAN RADIUS: 0.634
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0003952

SERIAL NUMBER: C6522163. __0

TARGET NUMBER: 4

FILE DATE: 09/08/2007

FILE TIME: 06:43

X CENTROID: -0.192

Y CENTROID: -0.112

POA TO CENTROID: 0.222

HORZ SPREAD: 2.110

VERT SPREAD: 1.102

GROUP SPREAD: 2.266

MIN RADIUS: 0.294

MAX RADIUS: 1.512

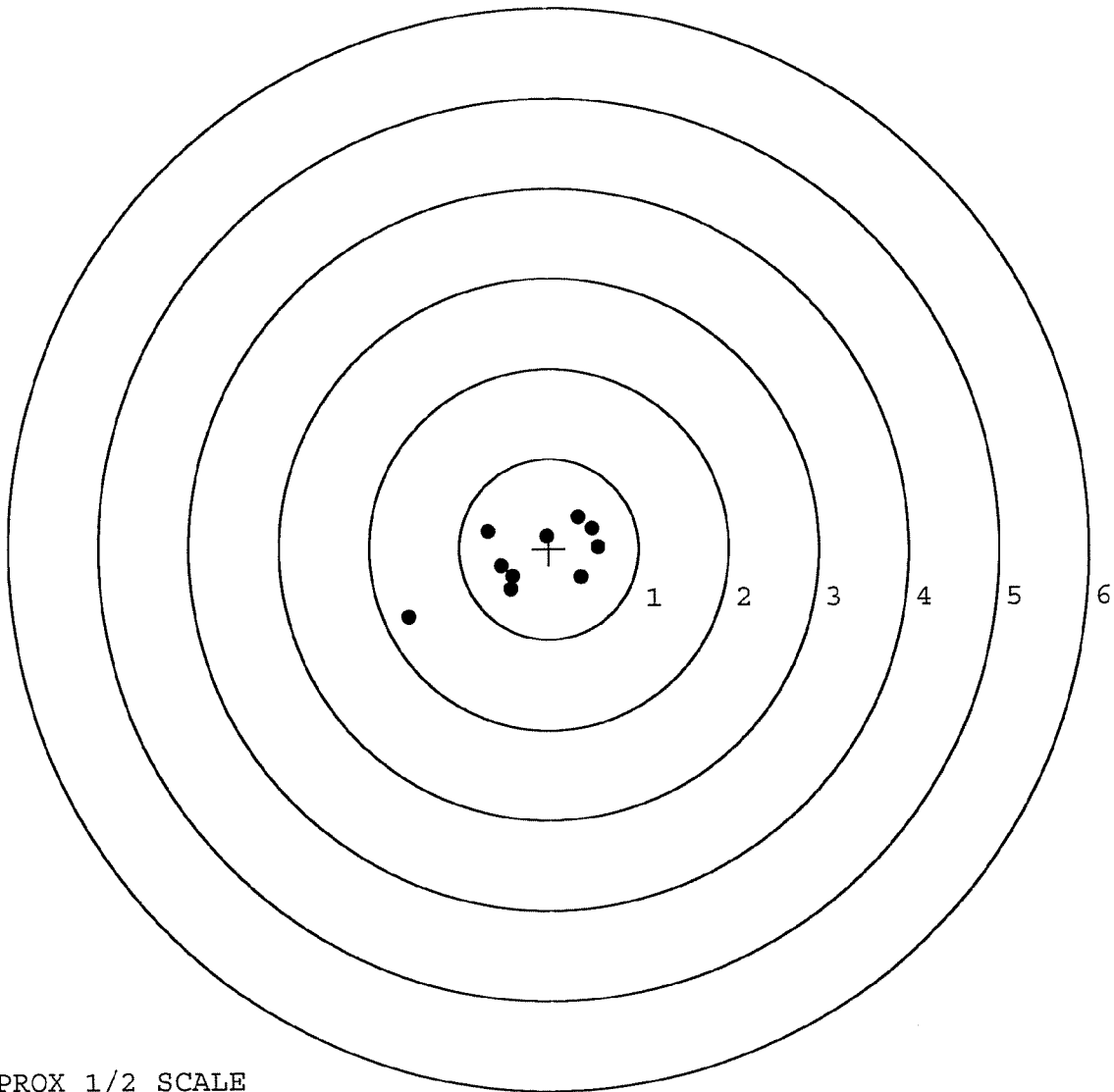
MEAN RADIUS: 0.624

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.561	-0.753
2:	-0.430	-0.451
3:	-0.534	-0.199
4:	-0.681	0.194
5:	0.357	-0.326
6:	0.549	0.017
7:	0.484	0.222
8:	0.328	0.349
9:	-0.022	0.139
10:	-0.407	-0.313

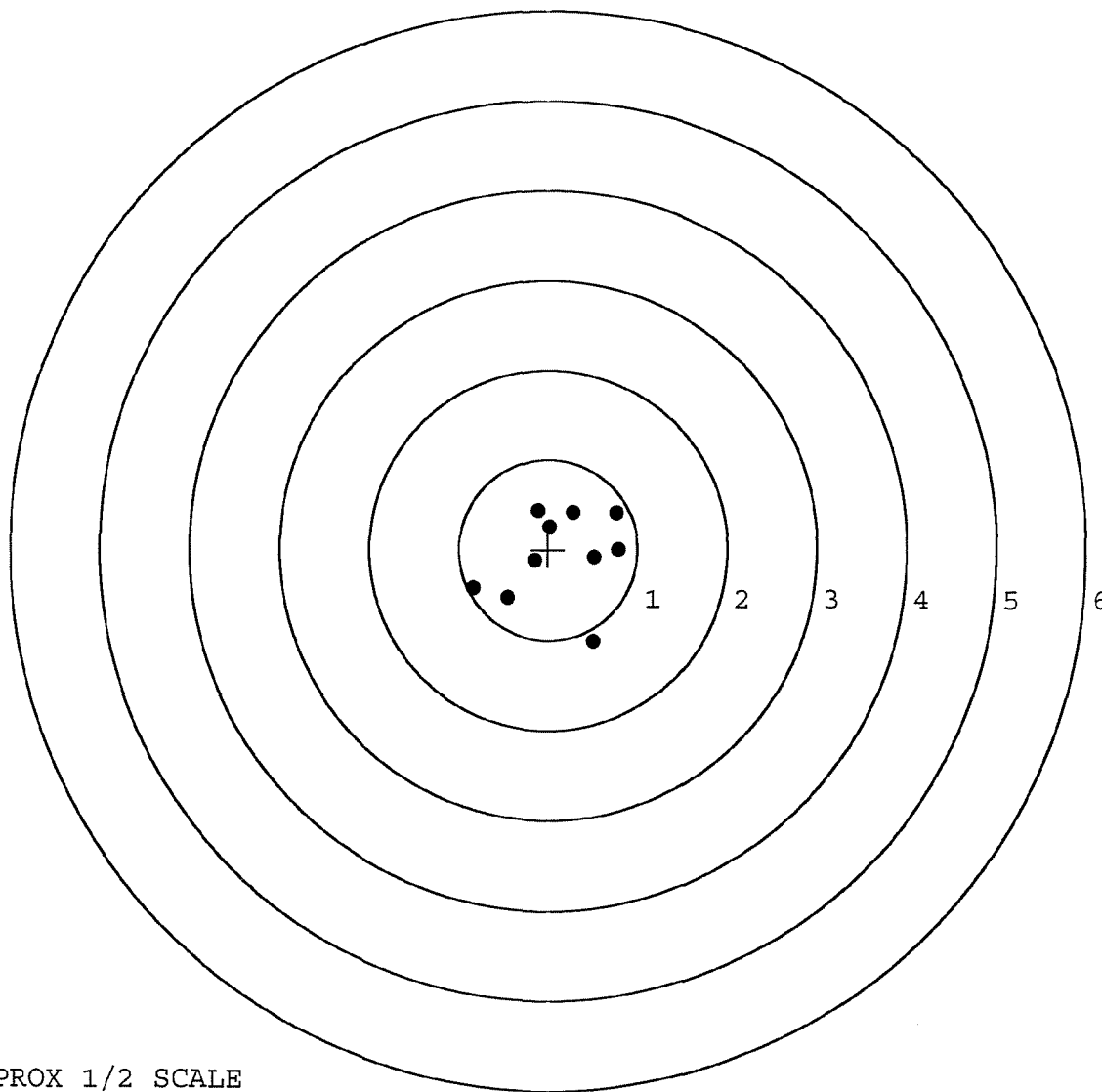


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. 0
 TARGET NUMBER: 5
 FILE DATE: 09/08/2007
 FILE TIME: 06:43

POINT#	X	Y
1:	0.505	-1.017
2:	-0.844	-0.428
3:	-0.455	-0.537
4:	-0.152	-0.124
5:	0.791	-0.012
6:	0.517	-0.087
7:	0.761	0.405
8:	0.274	0.408
9:	-0.114	0.427
10:	0.025	0.253

X CENTROID: 0.131
 Y CENTROID: -0.071
 POA TO CENTROID: 0.149
 HORZ SPREAD: 1.635
 VERT SPREAD: 1.444
 GROUP SPREAD: 1.808
 MIN RADIUS: 0.288
 MAX RADIUS: 1.038
 MEAN RADIUS: 0.633
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER

131394

SERIAL NUMBER

C6522163

LOG-IN DATE

7-7-07

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	non
605	CHECK HEADSPACE	8-23-07	non
610	DIS-ASSEMBLE GUN	8-25-07	RTZ
612	MAGNAFLUX	8-30-07	JG
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	ZB
625	FINAL ASSEMBLY	9-7-07	RTZ
640	FUNCTION TEST AND	9/7/07	non
650	TARGET	9/7/07	non
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9/10/07	SD
	A) HEADSPACE	9/10/07	non
	B) TRIGGER PULL	2.84 2.61 2.75 2.73 2.81 9-10-07	DA
680	F) SAFETY ON FORCE	4.25 4.5 4.25 9/10/07	non
	G) SAFETY OFF FORCE	4.0 4.0 4.0 9/10/07	non
	I) FIRING PIN INDENT	.021 .021 .021 9/10/07	non
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: **RE00036618** Serial: C6522163 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOG 10 of 10 Repairman: Status: Closed 11/30/01 10:20:45 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

Repair Search Refresh Close

nagletj 11/30/01 11:12 AM CAPS NUM INS SCRL

Start L C A S P T D E S V I...

Serial Number: **C6522163**

Model: **700**



RE00036618

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

R & E NUMBER	36618		
SERIAL NUMBER	0652263		
LOG-IN DATE	11-30-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-1-01	RKH
560 A	RE-BARREL	12/3/01	BWT
B	DRILL AND TAP	12/3/01	BWT
575	ASSEMBLE	12-4-01	RKH
600	PROOF	12-4-01	RKH
605	CHECK HEADSPACE	12-4-01	RKH
610	DIS-ASSEMBLE GUN	12-4-01	RKH
612	MAGNAFLUX		AL
615	ROLLMARK CALIBER	12-4-01	RKH
618	ROTO-BLAST	12/7	KO
620	APPLY COATINGS	12-10	TA
625 A	FINAL ASSEMBLY	12-11-01	RKH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-12-01	AL
655	FINAL INSPECT	12-18-01	RKH
660	PACK		
		SHIP DATE	
	QAR INSPECTION DATE		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522163.___0

FILE DATE AND TIME: 12/12/2001 04:25

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

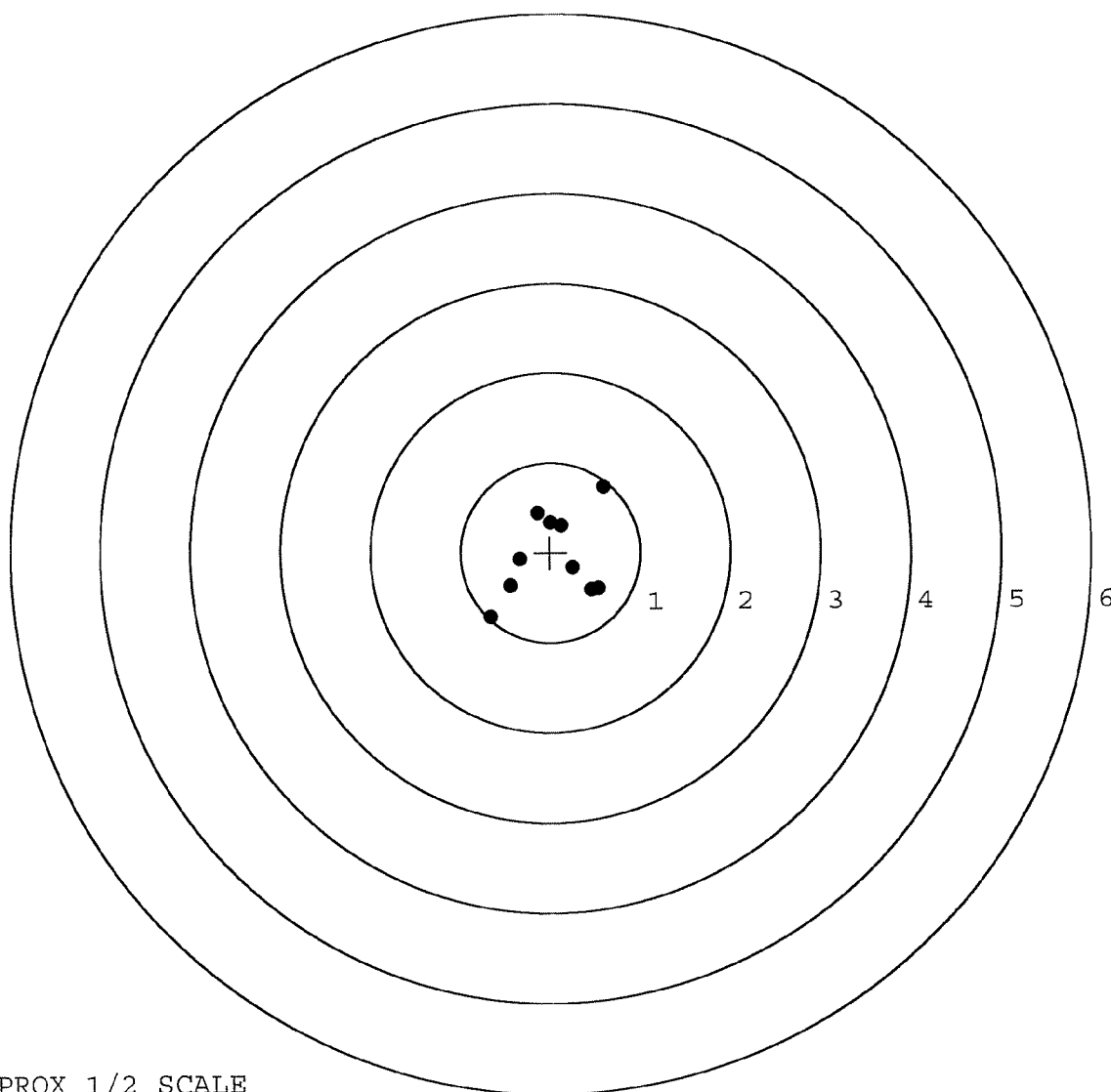
The Average X Centroid of the Five Target Set:	-0.026
The Average Y Centroid of the Five Target Set:	0.024
The Average Point of Impact of the Five Target Set:	0.035
The Average Mean Radius of the Five Target Set:	0.524
The Distance from POA to Centroid Target #1:	0.050
The Distance from Centroid Target #2 to Centroid Target #1:	0.179
The Distance from Centroid Target #3 to Centroid Target #1:	0.207
The Distance from Centroid Target #4 to Centroid Target #1:	0.052
The Distance from Centroid Target #5 to Centroid Target #1:	0.113

BARBER - M24 0003958

SERIAL NUMBER: C6522163. __0
 TARGET NUMBER: 1
 FILE DATE: 12/12/2001
 FILE TIME: 04:25

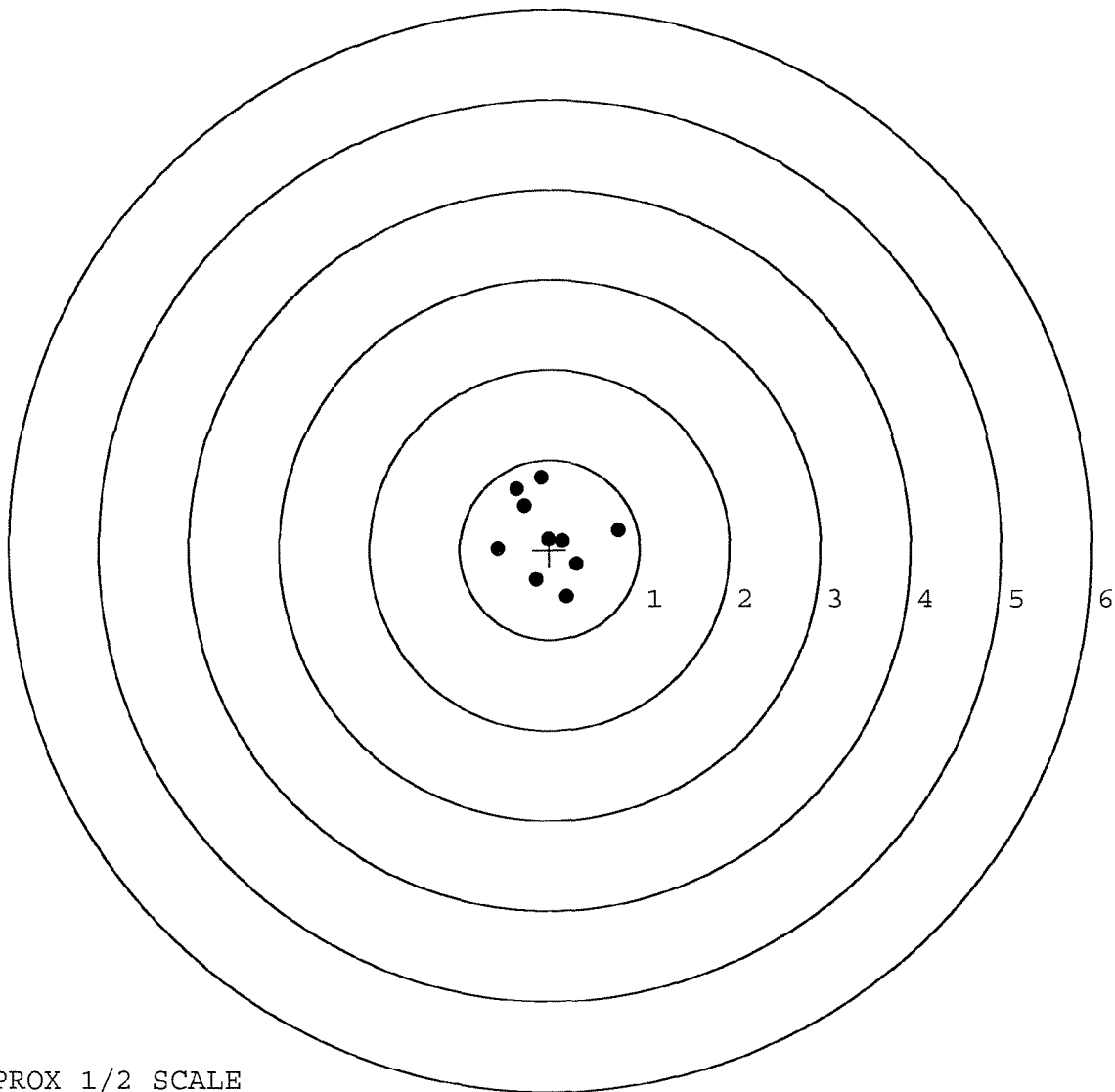
POINT#	X	Y
1:	0.460	-0.415
2:	0.250	-0.167
3:	0.126	0.304
4:	-0.140	0.440
5:	0.597	0.731
6:	-0.346	-0.080
7:	-0.452	-0.372
8:	-0.671	-0.714
9:	0.006	0.338
10:	0.534	-0.404

X CENTROID: 0.036
 Y CENTROID: -0.034
 POA TO CENTROID: 0.050
 HORZ SPREAD: 1.268
 VERT SPREAD: 1.445
 GROUP SPREAD: 1.922
 MIN RADIUS: 0.252
 MAX RADIUS: 0.981
 MEAN RADIUS: 0.558
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. 0	POINT#	X	Y
TARGET NUMBER: 2	1:	-0.096	0.803
FILE DATE: 12/12/2001	2:	-0.367	0.677
FILE TIME: 04:25	3:	-0.283	0.492
	4:	-0.013	0.116
X CENTROID: -0.008	5:	0.150	0.097
Y CENTROID: 0.140	6:	0.303	-0.159
POA TO CENTROID: 0.140	7:	0.191	-0.529
HORZ SPREAD: 1.339	8:	0.761	0.219
VERT SPREAD: 1.332	9:	-0.152	-0.338
GROUP SPREAD: 1.354	10:	-0.578	0.017
MIN RADIUS: 0.024			
MAX RADIUS: 0.773			
MEAN RADIUS: 0.493			
# IN 1 IN DIAMETER: 5			
# IN 2 IN DIAMETER: 10			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. __0

TARGET NUMBER: 3

FILE DATE: 12/12/2001

FILE TIME: 04:25

X CENTROID: -0.166

Y CENTROID: 0.013

POA TO CENTROID: 0.166

HORZ SPREAD: 1.368

VERT SPREAD: 1.206

GROUP SPREAD: 1.371

MIN RADIUS: 0.071

MAX RADIUS: 0.747

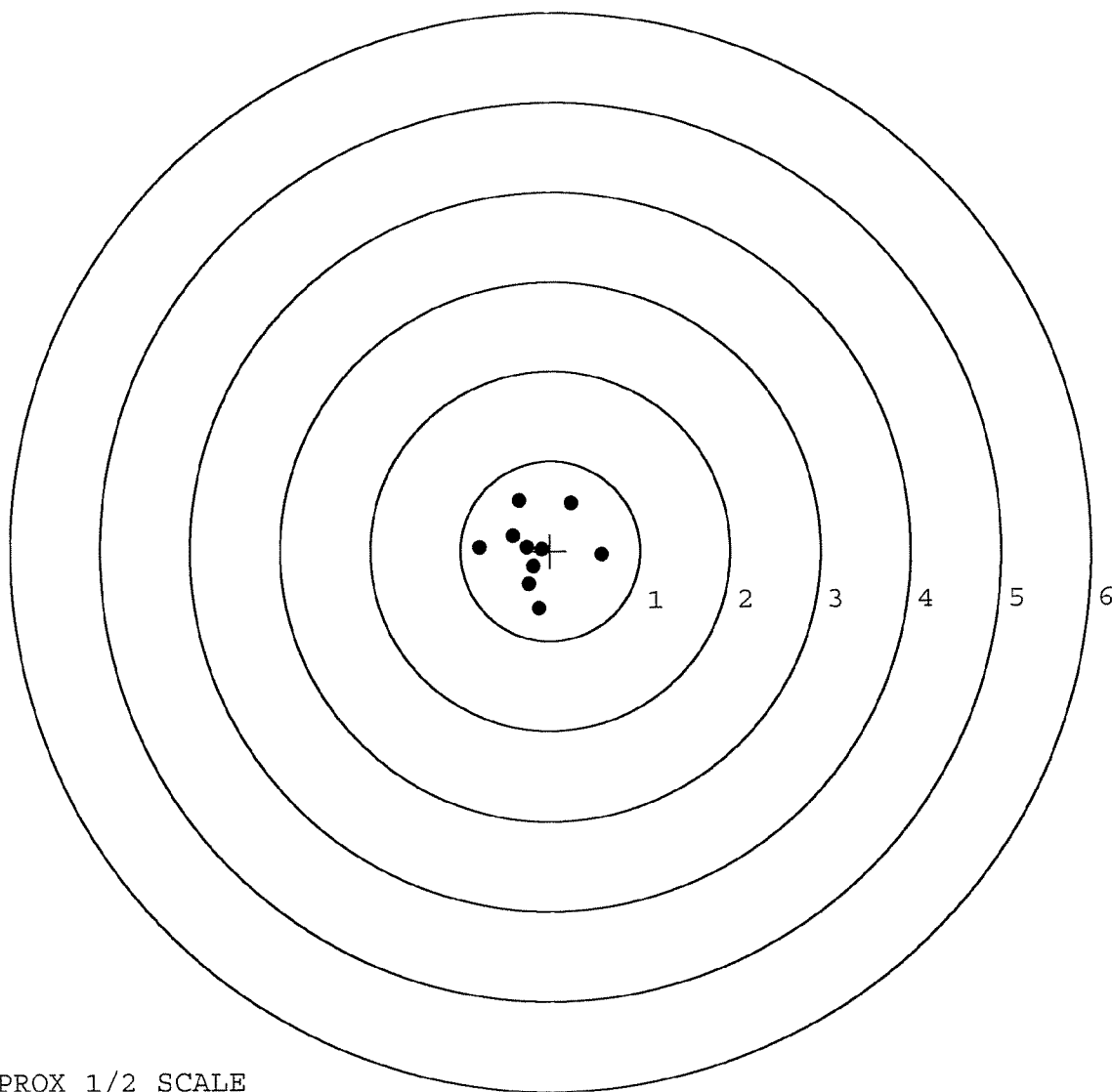
MEAN RADIUS: 0.432

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.341	0.562
2:	0.234	0.531
3:	0.579	-0.048
4:	-0.418	0.173
5:	-0.789	0.045
6:	-0.130	-0.644
7:	-0.243	-0.371
8:	-0.189	-0.180
9:	-0.095	0.017
10:	-0.265	0.043



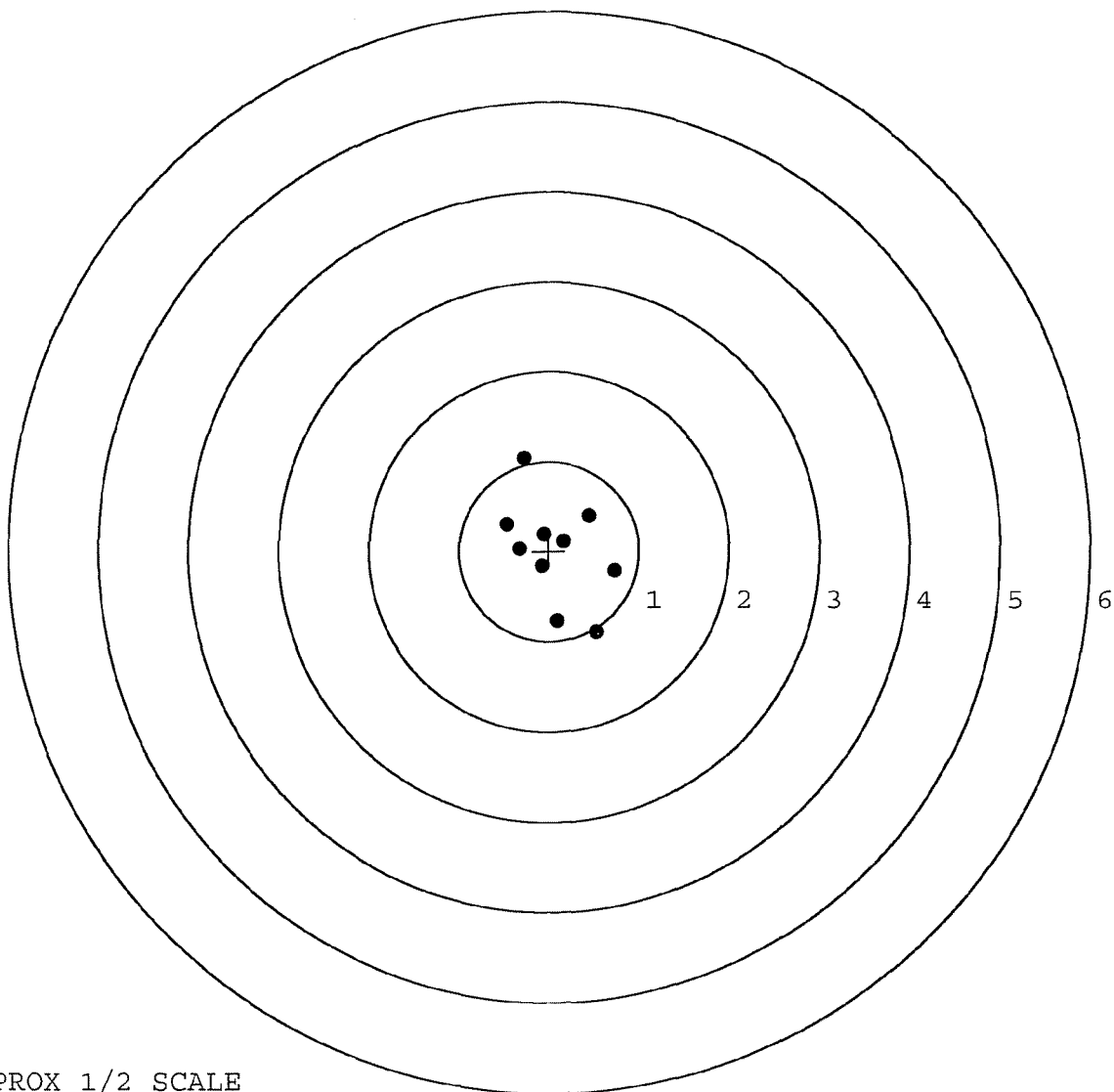
TARGET APPROX 1/2 SCALE

BARBER - M24 0003961

SERIAL NUMBER: C6522163. 0
 TARGET NUMBER: 4
 FILE DATE: 12/12/2001
 FILE TIME: 04:25

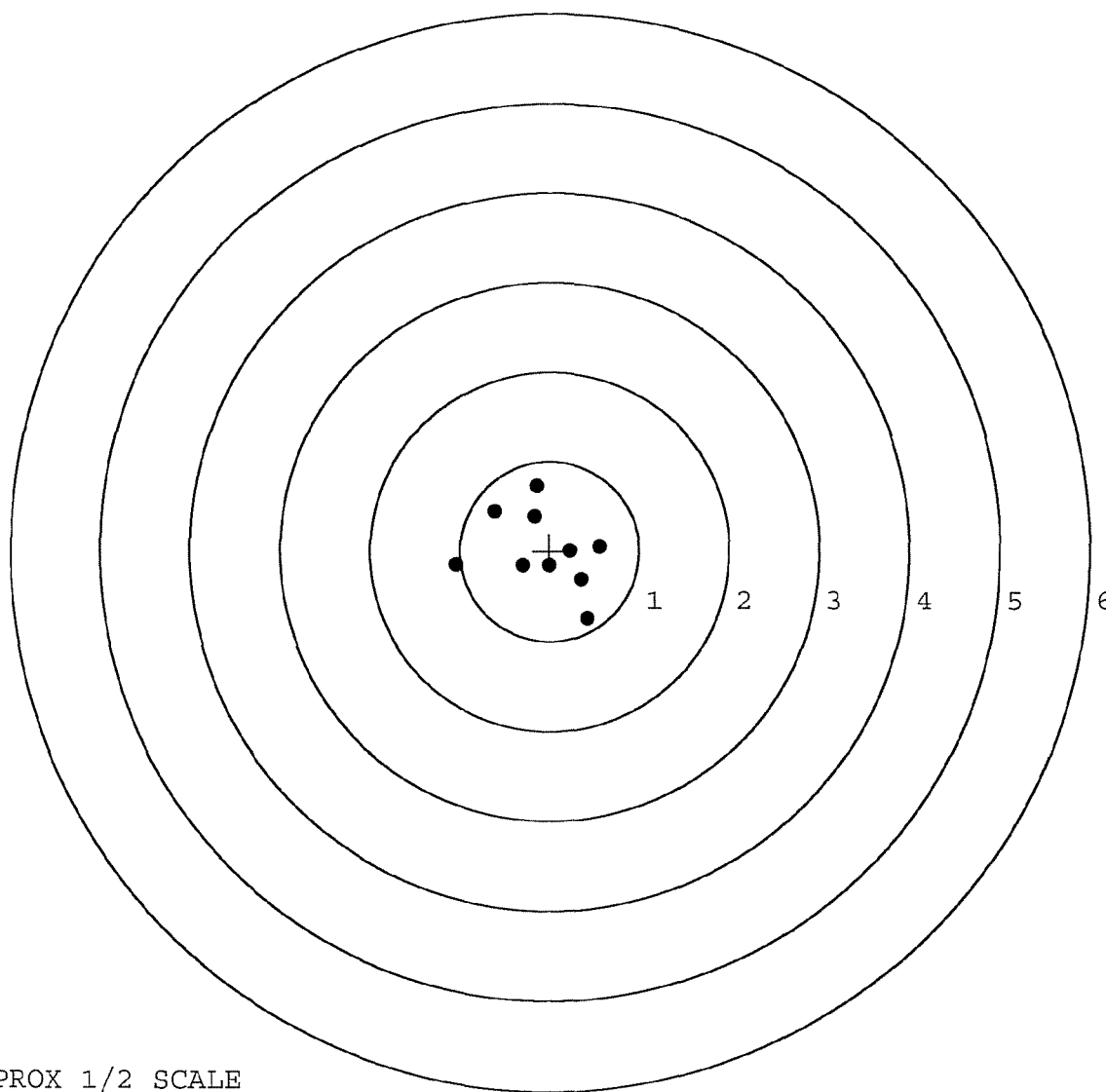
POINT#	X	Y
1:	-0.277	1.036
2:	0.735	-0.224
3:	0.531	-0.901
4:	0.098	-0.784
5:	0.452	0.396
6:	-0.473	0.302
7:	-0.324	0.031
8:	-0.079	-0.172
9:	-0.049	0.187
10:	0.164	0.108

X CENTROID: 0.078
 Y CENTROID: -0.002
 POA TO CENTROID: 0.078
 HORZ SPREAD: 1.208
 VERT SPREAD: 1.937
 GROUP SPREAD: 2.099
 MIN RADIUS: 0.140
 MAX RADIUS: 1.097
 MEAN RADIUS: 0.576
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522163. 0	POINT#	X	Y
TARGET NUMBER: 5	1:	-0.144	0.721
FILE DATE: 12/12/2001	2:	-0.167	0.382
FILE TIME: 04:25	3:	-0.615	0.440
	4:	-1.044	-0.156
X CENTROID: -0.070	5:	-0.294	-0.166
Y CENTROID: 0.004	6:	0.421	-0.752
POA TO CENTROID: 0.070	7:	0.560	0.048
HORZ SPREAD: 1.604	8:	0.229	-0.002
VERT SPREAD: 1.473	9:	0.000	-0.162
GROUP SPREAD: 1.617	10:	0.354	-0.318
MIN RADIUS: 0.180			
MAX RADIUS: 0.987			
MEAN RADIUS: 0.562			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 10			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

Remington®

MODEL 700™ M24

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

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

SERIAL NO. C6522163	ORDER NO. 5716
---------------------------------------	----------------------------------

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

20

5716 C6522163

UPC

0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522163

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/1/90	KS
600	Proof		10/1/90	KS
607	Check Headspace		10/1/90	KS
610	Dis-assemble Gun		10/1/90	KS
612	Magnaflux Barrel Action		10/5/90	KR
	Magnaflux Bolt		10/5/90	KR
615	Rollmark Caliber		10/3/90	KS
617	Drill and Tap Sight Holes		10/4/90	FB
618	Polish Barrel <i>RB</i>		10/5/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/8/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/8/90	KS
	C) Inspect Ejector Hole for Chamfer		11/8/90	KS
	D) Oil Firing Pin Ass'y		11/8/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1-18-91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/4	5 1/4	5 1/4			11/18/90	WB
	G) Safety Off Force	2 3/4	2 3/4	2 1/2			4/18/91	WB
	H) Trigger Pull Test & Retainability						1-18-91 11-18-90	HL
	I) Firing Pin Indent	.0215	.0215	.022			4/18/91	WB
	J) Assemble Stock						4/12/90	KH
	K) Assemble Swivel Studs						2-4-91	AC
	L) Attach Front and Rear Sight Assemblies						4/12/90	KH
	M) Iron Sight Alignment						4/12/90	KH
	N) Detach Front & Rear Sights & place in numbered container						4/12/90	KH
	O) Attach Scope to Rifle						4/12/90	KH
P) Detach & Attach Scope 20 Times						4/12/90	KH	
640	Gallery Target & Test						11-13-90	AC
	A) Time						11-13-90	AC
	B) Malfunctions						11-13-90	AC
	C) Pierced Primers						11-13-90	AC
	D) Optical Clarity of Scope						11-13-90	AC
645	Inspect for Live Ammo						11-13-90	AC
655	Final Inspection							
	A) Headspace						2-4-91	AC
	B) Trigger Pull	2.28	2.10	2.38	2.34	2.37	1-22-91	HL
	C) Function						2-4-91	AC
660	Pack						3/15/91	WB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6522163DATE 1-18-91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.47	2.32	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.20	2.23	2.10	
PULL #3	2.48	2.31	2.33	2.38	
PULL #4	2.23	2.19	2.20	2.34	
PULL #5	2.51	2.14	2.25	2.37	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.47		
PULL #2	3.41	3.44		
PULL #3	3.46	3.44		
PULL #4	3.45	3.41		
PULL #5	3.46	3.51		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.17		4.27
PULL #2	4.27	4.22		4.15
PULL #3	4.24	4.26		4.25
PULL #4	4.24	4.27		4.23
PULL #5	4.17	4.28		4.26
TOTAL	2			
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522163
22 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.319215
1 TO	2	.453813
1 TO	3	.326216
1 TO	4	.351889
1 TO	5	.444245

1 $\frac{5}{4}$ <----POA

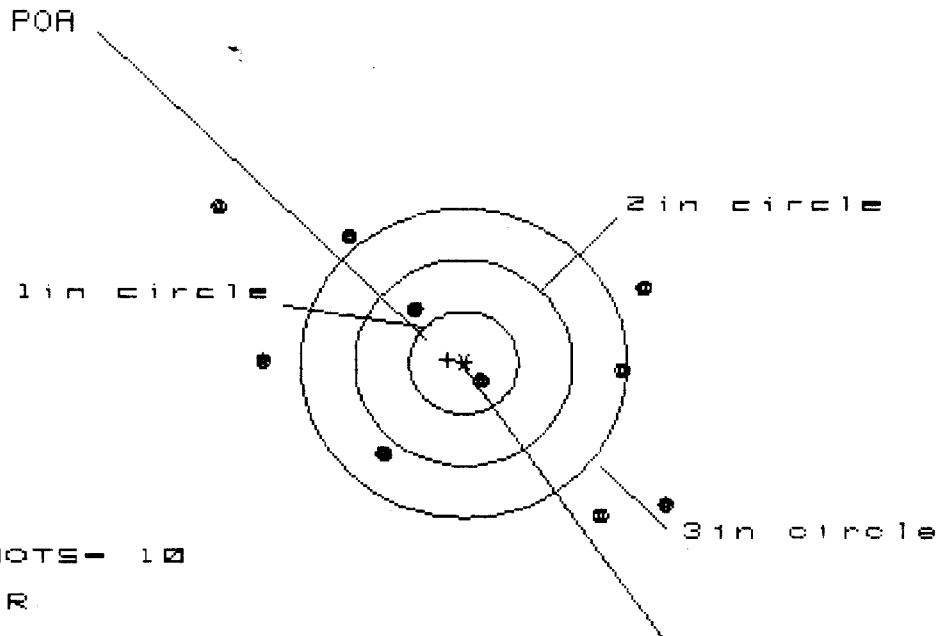
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.01
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.017
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0197231
THE AMR FOR THIS RIFLE IS: 1.205

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06522163

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in - 1

2in - 2

3in = 4

HS= 4.157

VS= 3.046

GS= 5.107

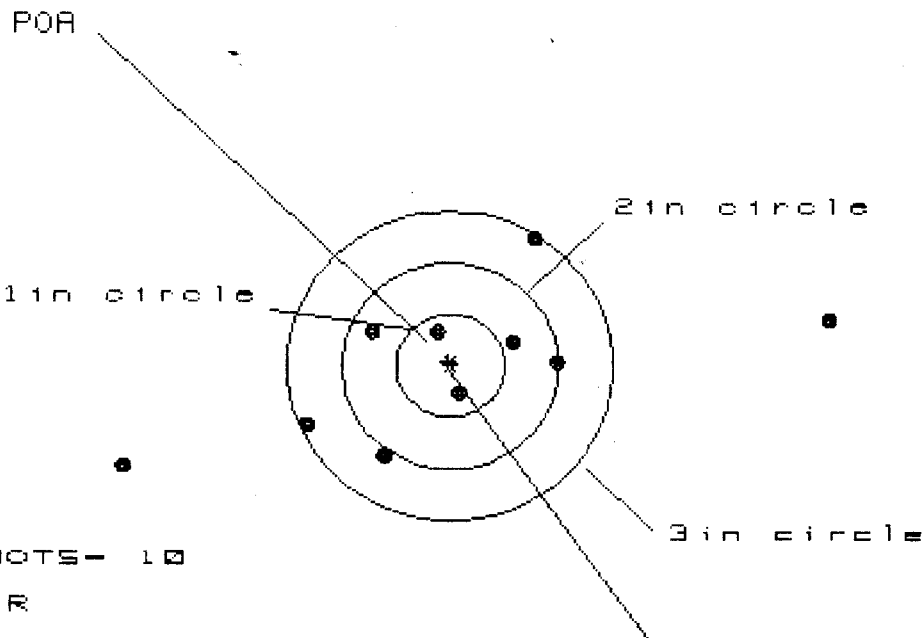
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.885	1.633	1.629
MINIMUM X	-2.272	-2.085	-1.881
MAXIMUM Y	1.557	1.430	1.276
MINIMUM Y	-1.489	-1.316	-1.470
CENTROID X	.148	.400	.196
CENTROID Y	-.028	-.201	-.047
POA TO CENTROID in.	.150	.448	.201
MIN RADIUS	.235	.134	.197
MEAN RADIUS	1.589	1.440	1.346
MAX RADIUS	2.754	2.092	1.881
HORIZONTAL SPREAD	4.157	3.718	3.510
VERTICAL SPREAD	3.046	2.746	2.746
EXTREME SPREAD	5.107	3.975	3.587
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	4		

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6522163

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 6.504

VS= 2.217

GS= 6.658

CENTROID *

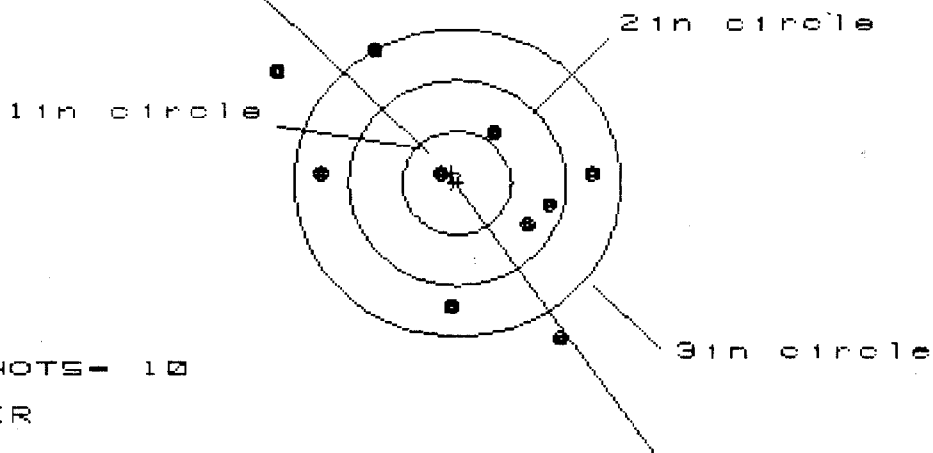
PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	3.447	1.399	1.065
MINIMUM X	:	-3.057	-2.674	-1.246
MAXIMUM Y	:	1.245	1.295	1.180
MINIMUM Y	:	-.972	-.922	-.933
CENTROID X	:	.019	-.364	-.030
CENTROID Y	:	-.036	-.086	.029
POA TO CENTROID in.	:	.041	.374	.042
MIN RADIUS	:	.253	.454	.265
MEAN RADIUS	:	1.366	1.147	.870
MAX RADIUS	:	3.477	2.828	1.424
HORIZONTAL SPREAD	:	6.504	4.073	2.311
VERTICAL SPREAD	:	2.217	2.217	2.113
EXTREME SPREAD	:	6.658	4.404	2.725
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6522163

CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 2.905

VS= 2.757

GS= 3.653

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.262	1.080	1.175
MINIMUM X	-1.643	-1.418	-1.323
MAXIMUM Y	1.295	1.419	1.252
MINIMUM Y	-1.462	-1.338	-1.207
CENTROID X	.054	.236	.142
CENTROID Y	-.092	-.216	-.049
POA TO CENTROID in.	.106	.320	.150
MIN RADIUS	.212	.431	.285
MEAN RADIUS	1.129	1.010	.937
MAX RADIUS	1.989	1.721	1.530
HORIZONTAL SPREAD	2.905	2.498	2.498
VERTICAL SPREAD	2.757	2.757	2.459
EXTREME SPREAD	3.653	3.255	2.555
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

22 Jan 1991

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CENTERFIRE PATTERNS

4

POR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 1.939

VS= 2.545

GS= 2.840

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.934	.826	.883
MINIMUM X	:	-1.004	-1.113	-1.056
MAXIMUM Y	:	1.310	1.190	.549
MINIMUM Y	:	-1.235	-1.355	-1.206
CENTROID X	:	.026	.135	.078
CENTROID Y	:	.188	.308	.159
POR TO CENTROID in.	:	.190	.336	.177
MIN RADIUS	:	.079	.147	.025
MEAN RADIUS	:	.891	.816	.752
MAX RADIUS	:	1.453	1.466	1.354
HORIZONTAL SPREAD	:	1.939	1.939	1.939
VERTICAL SPREAD	:	2.545	2.545	1.755
EXTREME SPREAD	:	2.840	2.547	2.317
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	

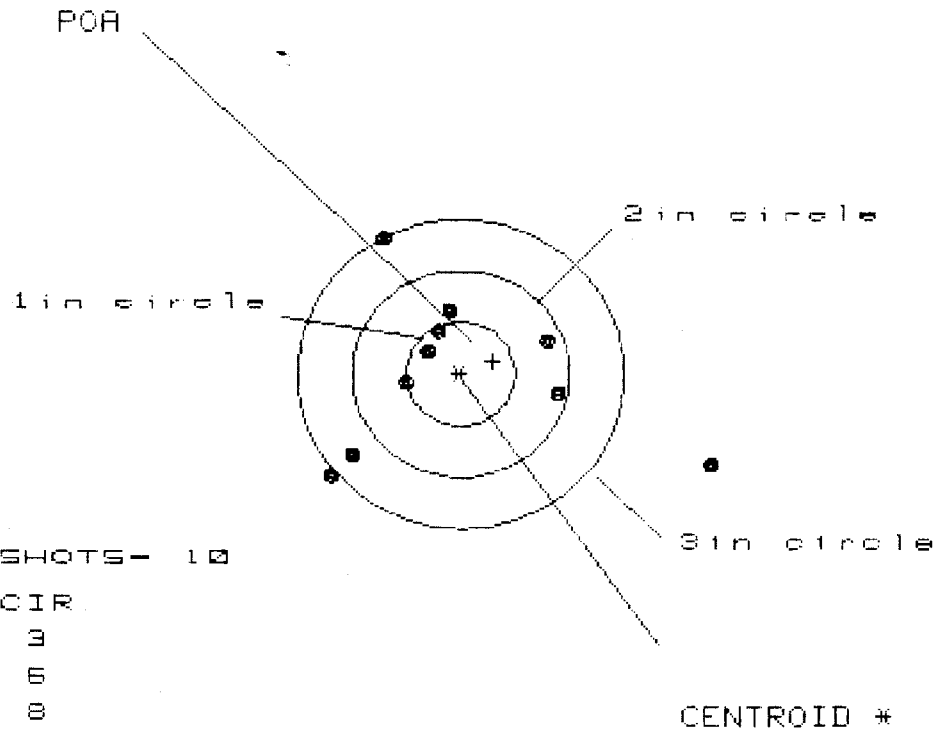
NUMBER IN THREE INCH CIRCLE =

10

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 3.537

VS= 2.235

GS= 3.740

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.329	1.199	1.080
MINIMUM X	-1.208	-.949	-.826
MAXIMUM Y	1.298	1.203	1.074
MINIMUM Y	-.937	-1.032	-1.000
CENTROID X	-.297	-.556	-.437
CENTROID Y	-.117	-.022	.107
POA TO CENTROID in.	.319	.556	.450
MIN RADIUS	.392	.129	.171
MEAN RADIUS	1.049	.818	.730
MAX RADIUS	2.481	1.402	1.297
HORIZONTAL SPREAD	3.537	2.148	1.906
VERTICAL SPREAD	2.235	2.235	2.074
EXTREME SPREAD	3.740	2.357	2.208
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	