

C6225314

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smead®

Repair Inquiry

Repair Number: RE00092439

Serial: C6225314 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/21/1989

Repairman:

Verify Repair:

Status:

Closed 2/3/2005 1:25:49 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code:

362014199

Country: US

State: AL

Zip Code:

362014199

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

neglet

2/7/2005

10:42 AM

CAPS

INUM

INS

SOPL

start

3

2

Arms Services Repair

2

Serial Number: C6225314

Model: M24 SWS



RE00092439

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225314.___0

FILE DATE AND TIME: 09/02/2005 10:49

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

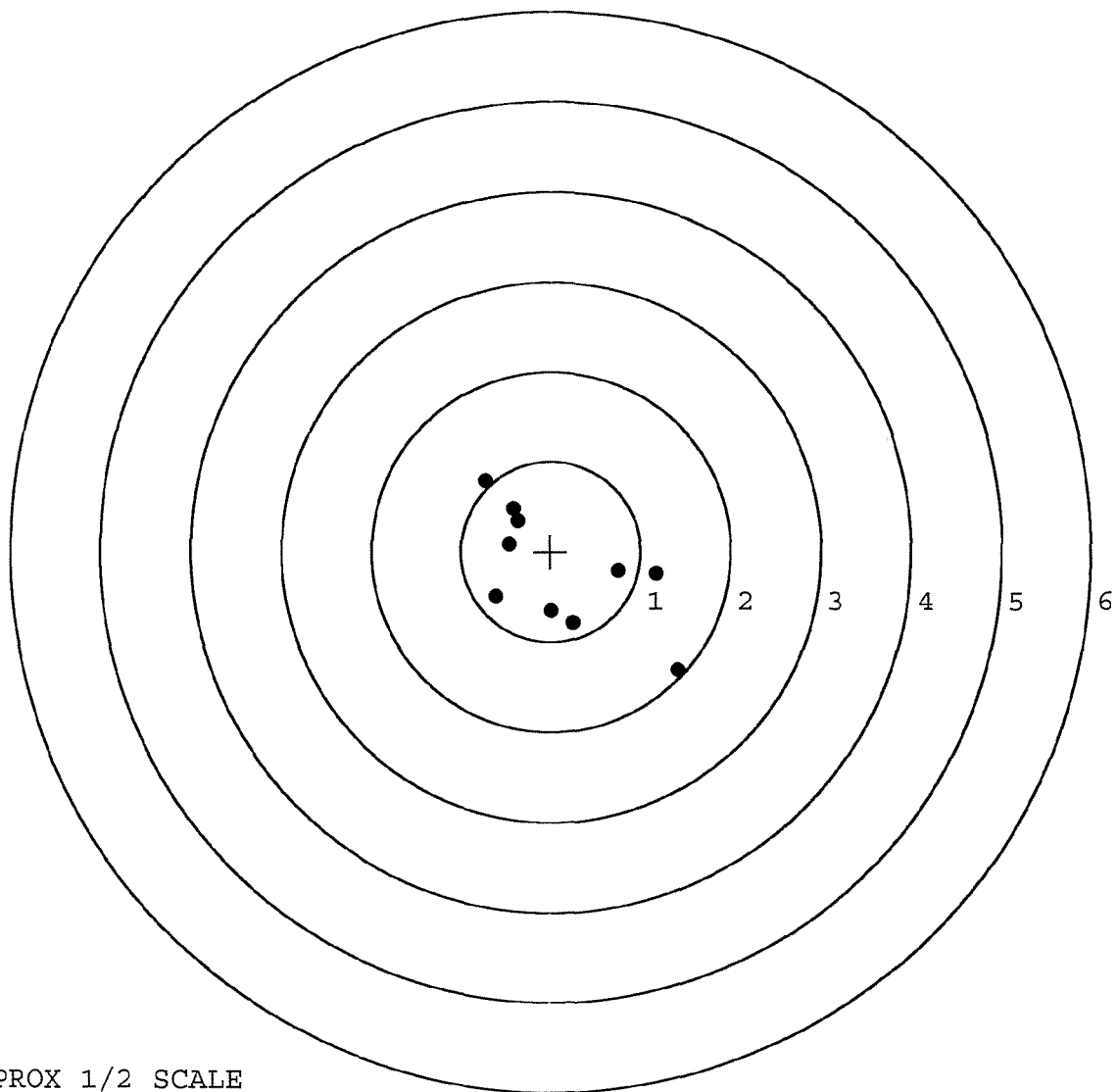
The Average X Centroid of the Five Target Set:	-0.016
The Average Y Centroid of the Five Target Set:	0.019
The Average Point of Impact of the Five Target Set:	0.025
The Average Mean Radius of the Five Target Set:	1.028
The Distance from POA to Centroid Target #1:	0.231
The Distance from Centroid Target #2 to Centroid Target #1:	0.177
The Distance from Centroid Target #3 to Centroid Target #1:	0.248
The Distance from Centroid Target #4 to Centroid Target #1:	0.357
The Distance from Centroid Target #5 to Centroid Target #1:	0.642

BARBER - M24 0012550

SERIAL NUMBER: C6225314. __0
 TARGET NUMBER: 1
 FILE DATE: 09/02/2005
 FILE TIME: 10:49

POINT#	X	Y
1:	1.417	-1.321
2:	1.179	-0.248
3:	0.754	-0.220
4:	0.253	-0.787
5:	0.011	-0.664
6:	-0.607	-0.505
7:	-0.454	0.082
8:	-0.370	0.343
9:	-0.415	0.477
10:	-0.729	0.784

X CENTROID: 0.104
 Y CENTROID: -0.206
 POA TO CENTROID: 0.231
 HORZ SPREAD: 2.146
 VERT SPREAD: 2.105
 GROUP SPREAD: 3.006
 MIN RADIUS: 0.467
 MAX RADIUS: 1.723
 MEAN RADIUS: 0.879
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



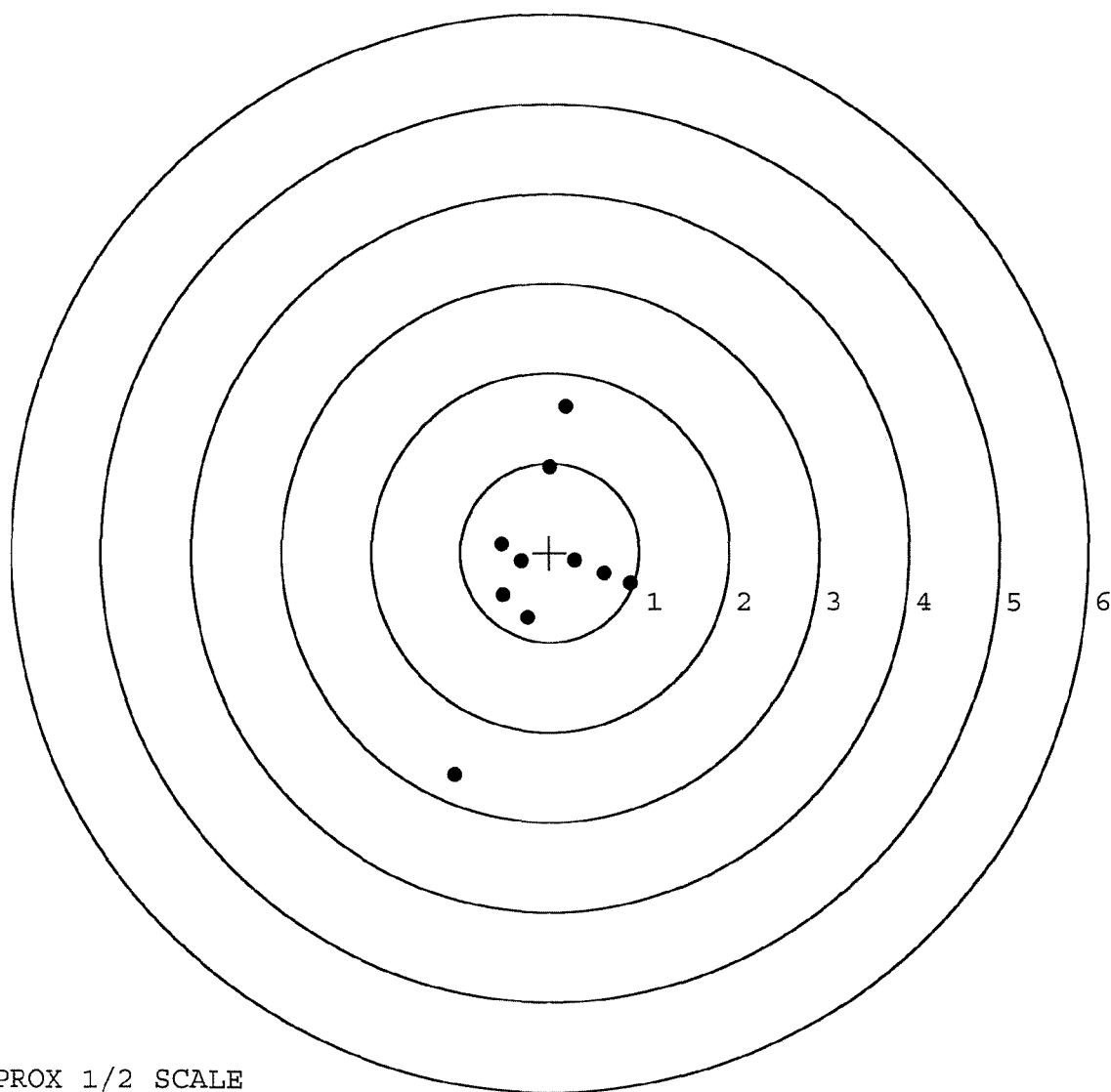
TARGET APPROX 1/2 SCALE

BARBER - M24 0012551

SERIAL NUMBER: C6225314. __0
 TARGET NUMBER: 2
 FILE DATE: 09/02/2005
 FILE TIME: 10:49

POINT#	X	Y
1:	0.901	-0.352
2:	0.607	-0.237
3:	0.283	-0.087
4:	-0.248	-0.727
5:	-0.523	-0.486
6:	-0.319	-0.106
7:	-0.539	0.087
8:	0.002	0.956
9:	0.182	1.626
10:	-1.057	-2.483

X CENTROID: -0.071
 Y CENTROID: -0.181
 POA TO CENTROID: 0.194
 HORZ SPREAD: 1.958
 VERT SPREAD: 4.109
 GROUP SPREAD: 4.292
 MIN RADIUS: 0.259
 MAX RADIUS: 2.504
 MEAN RADIUS: 0.942
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225314. 0

TARGET NUMBER: 3

FILE DATE: 09/02/2005

FILE TIME: 10:49

X CENTROID: -0.094

Y CENTROID: -0.057

POA TO CENTROID: 0.110

HORZ SPREAD: 2.727

VERT SPREAD: 2.762

GROUP SPREAD: 3.683

MIN RADIUS: 0.334

MAX RADIUS: 2.129

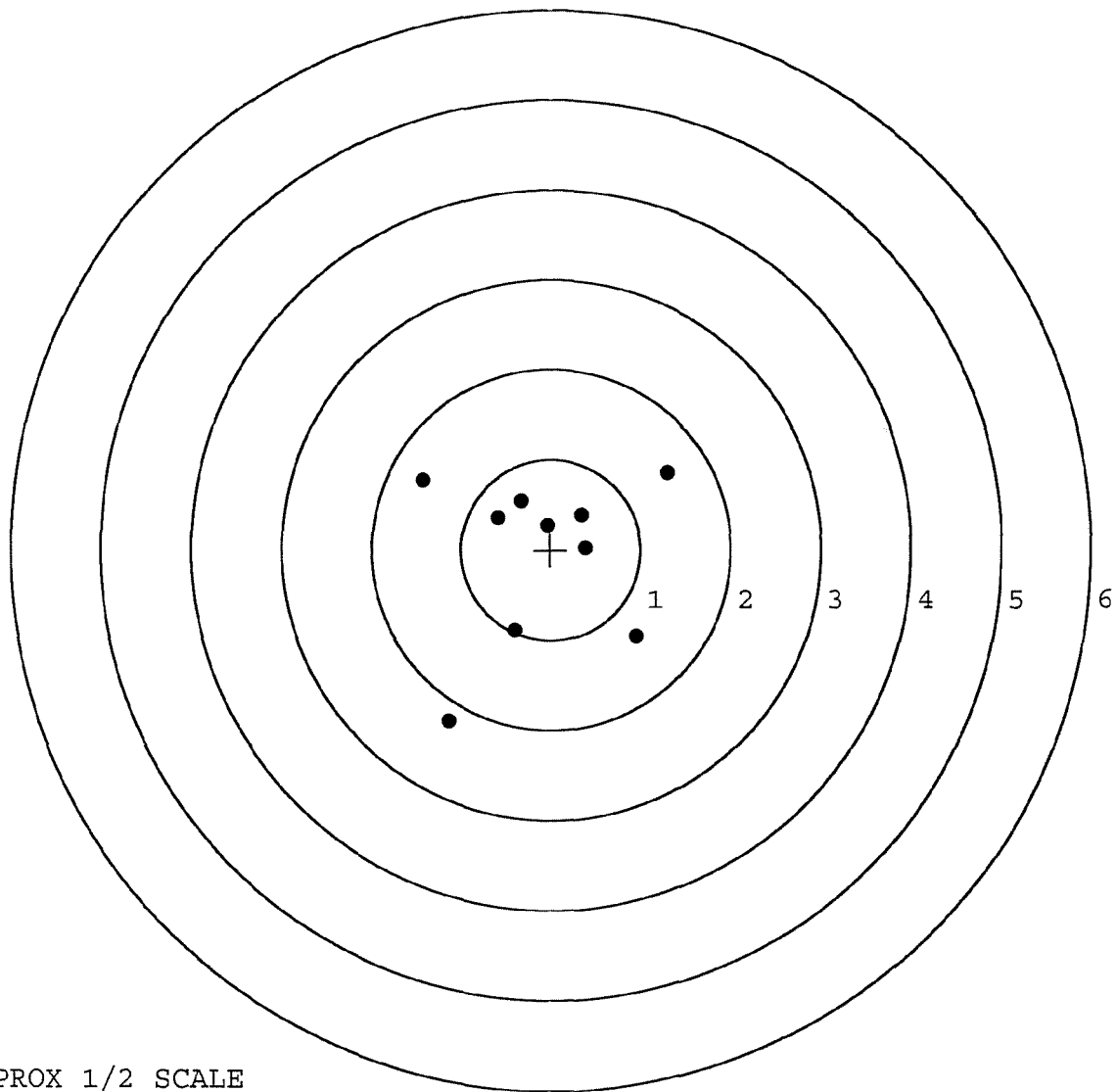
MEAN RADIUS: 1.038

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.951	-0.963
2:	1.298	0.850
3:	0.388	0.023
4:	0.345	0.390
5:	-0.032	0.271
6:	-0.329	0.541
7:	-0.592	0.355
8:	-0.402	-0.897
9:	-1.138	-1.912
10:	-1.429	0.771



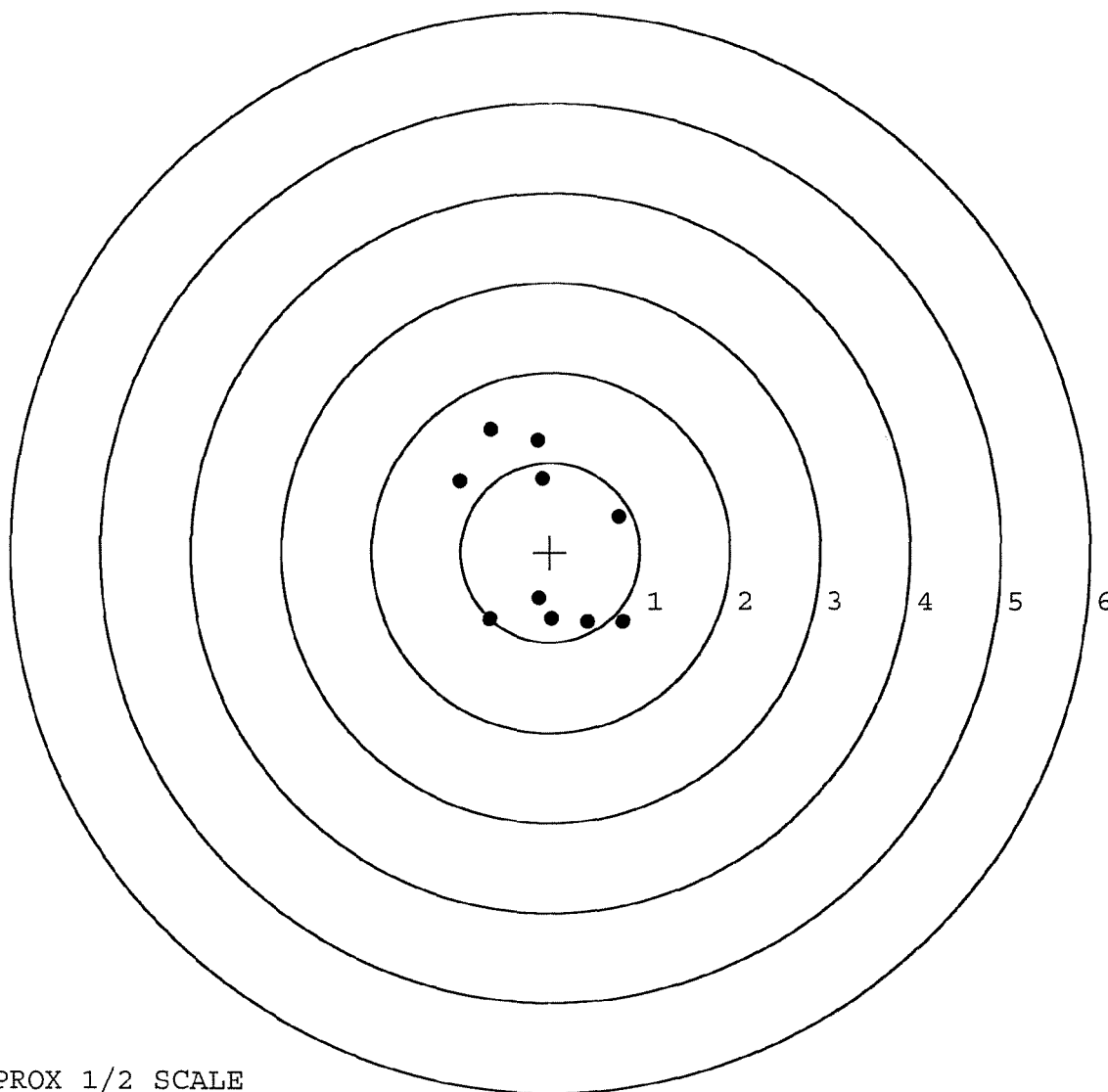
TARGET APPROX 1/2 SCALE

BARBER - M24 0012553

SERIAL NUMBER: C6225314. __0
 TARGET NUMBER: 4
 FILE DATE: 09/02/2005
 FILE TIME: 10:49

POINT#	X	Y
1:	-0.092	0.825
2:	-0.140	1.247
3:	-0.670	1.361
4:	-1.007	0.798
5:	0.764	0.394
6:	0.808	-0.777
7:	0.423	-0.783
8:	0.018	-0.742
9:	-0.131	-0.515
10:	-0.674	-0.748

X CENTROID: -0.070
 Y CENTROID: 0.106
 POA TO CENTROID: 0.127
 HORZ SPREAD: 1.815
 VERT SPREAD: 2.144
 GROUP SPREAD: 2.599
 MIN RADIUS: 0.624
 MAX RADIUS: 1.391
 MEAN RADIUS: 1.009
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 10



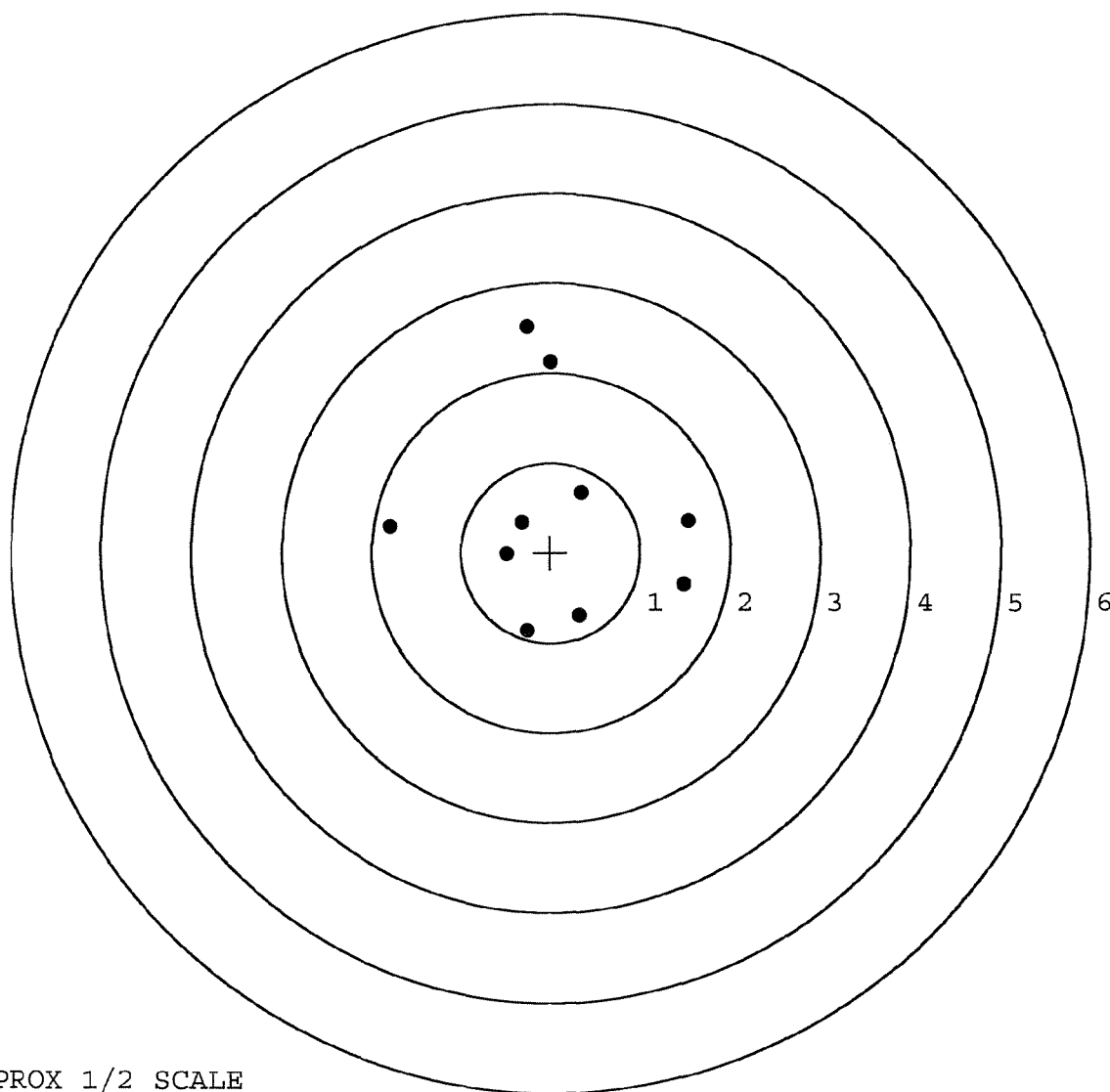
TARGET APPROX 1/2 SCALE

BARBER - M24 0012554

SERIAL NUMBER: C6225314. __0
 TARGET NUMBER: 5
 FILE DATE: 09/02/2005
 FILE TIME: 10:49

POINT#	X	Y
1:	1.482	-0.350
2:	1.532	0.356
3:	0.322	-0.698
4:	-0.261	-0.872
5:	0.340	0.669
6:	-0.324	0.336
7:	-0.490	-0.020
8:	-1.800	0.291
9:	0.004	2.122
10:	-0.271	2.508

X CENTROID: 0.053
 Y CENTROID: 0.434
 POA TO CENTROID: 0.437
 HORZ SPREAD: 3.332
 VERT SPREAD: 3.380
 GROUP SPREAD: 3.380
 MIN RADIUS: 0.371
 MAX RADIUS: 2.099
 MEAN RADIUS: 1.273
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 3
 # in 3 IN DIAMETER: 6



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92439		
SERIAL NUMBER	C6225314		
LOG-IN DATE	2-3-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-15-05	RTZ
560 A	RE-BARREL	8-23-05	RTZ
B	DRILL AND TAP	8-25-05	TRW
575	ASSEMBLE	8-24-05	RTZ
600	PROOF	8-24-05	AC
605	CHECK HEADSPACE	8-24-05	AC
610	DIS-ASSEMBLE GUN	8-25-05	RTZ
612	MAGNAFLUX RATOR <i>unus</i>	8-25-05	
615	ROLLMARK CALIBER	8-25-05	CW
618	ROTO-BLAST	8-26-05	LB
620	APPLY COATINGS	8-29-05	RB
625 A	FINAL ASSEMBLY	8-31-05	RTZ
B	TRIGGER PULL TEST	9-6-05	AC
C	SAFETY "ON" FORCE	9-6-05	AC
D	SAFETY "OFF" FORCE	9-6-05	AC
E	FIRING PIN INDENT	9-6-05	AC
640	TARGET	9-2-05	TRW
655	FINAL INSPECT	9-6-05	AC
660	PACK	9-12-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

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

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

MODEL 700™ M24

SERIAL NO.
C6225314

ORDER NO.
5716

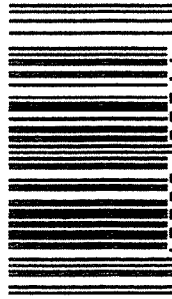
Ø1

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



5716 C6225314

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225314

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 17	89	RW
600	Proof	3 17	89	RW
607	Check Headspace	3 17	89	RW
610	Dis-assemble Gun	3 17	89	RW
612	Magnaflux Barrel Action		3/21	KCR
	Magnaflux Bolt		3/21	KCR
615	Rollmark Caliber		3/21	GA
617	Drill and Tap Sight Holes	3 22	89	FB
618	Polish Barrel			BT.
620	Apply Coatings (Barrel Action)		3/21/89	TSB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/6/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/6/89	RW
	C) Inspect Ejector Hole for Chamfer		4/6/89	RW
	D) Oil Firing Pin Ass'y		4/6/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/7/89	GA

BARBER - M24 0012558		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	4	4	4			4/10/89	gq
	G) Safety Off Force	2	2	2			4/10/89	gq
	H) Trigger Pull Test & Retainability						4/7/89	G.S.
	I) Firing Pin Indent	.021	.022	.022			4/10/89	Qq.
	J) Assemble Stock						4/10/89	Rw
	K) Assemble Swivel Studs						14 April 89	JD
	L) Attach Front and Rear Sight Assemblies						4/11/89	Lw
	M) Iron Sight Alignment						4/11/89	Rw
	N) Detach Front & Rear Sights & place in numbered container						4/11/89	Rw
	O) Attach Scope to Rifle						4/11/89	gq
	P) Detach & Attach Scope 20 Times						4/11/89	gq
640	Gallery Target & Test	50 R	102 L				4/12/89	DA
	A) Time						4/12/89	DA
	B) Malfunctions						4/12/89	DA
	C) Pierced Primers						4/12/89	DA
	D) Optical Clarity of Scope						4/12/89	DA
645	Inspect for Live Ammo						4/12/89	DA
655	Final Inspection							
	A) Headspace						14 April 89	JD
	B) Trigger Pull	2.57	2.62	2.69	2.66	2.59	14 April 89	JD
	C) Function						14 April 89	JD
660	Pack						20 June 89	JD

BARBER - M24 0012559

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 6225314DATE 3/28/80TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.38	2.34	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.32	2.31	
PULL #3	2.41	2.37	2.35	
PULL #4	2.42	2.33	2.33	
PULL #5	2.44	2.32	2.31	
TOTAL	12.01	11.68	11.63	
AVG.	2.40	2.33	2.32	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.18	3.16	
PULL #2	3.19	3.19	
PULL #3	3.22	3.22	
PULL #4	3.20	3.21	
PULL #5	3.19	3.23	
TOTAL	15.98	16.01	
AVG.	3.19	3.20	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.15		
PULL #2	4.15	4.15		
PULL #3	4.18	4.15		
PULL #4	4.19	4.17		
PULL #5	4.23	4.17		
TOTAL	20.96	20.69		
AVG.	4.19	4.14		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225314
12 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.34897
1 TO	2	.703438
1 TO	3	.902849
1 TO	4	.484232
1 TO	5	.37663

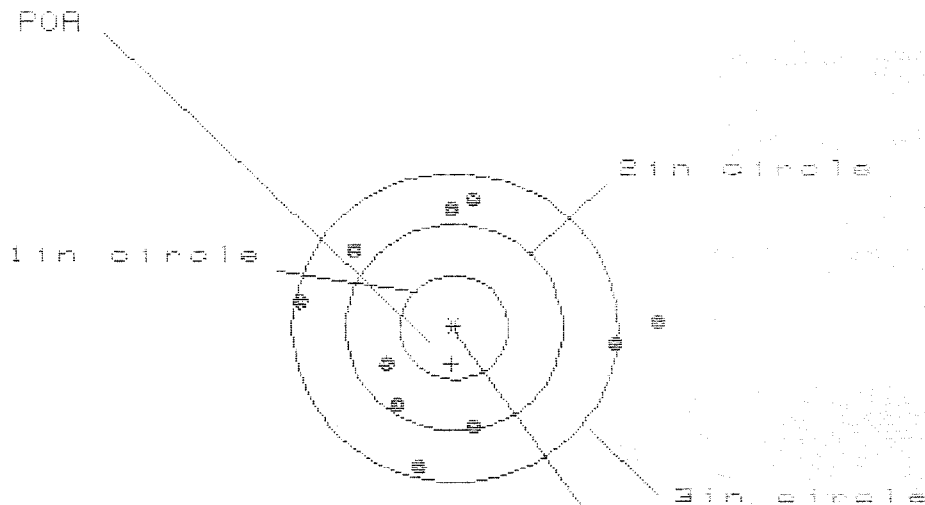
$\frac{1}{5}$ $\leftarrow$ POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0746
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.07
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .102299
THE AMR FOR THIS RIFLE IS: 1.044

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225314

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 0

3 in = 0

10 = 0.001

V8 = 2.586

G8 = 3.308

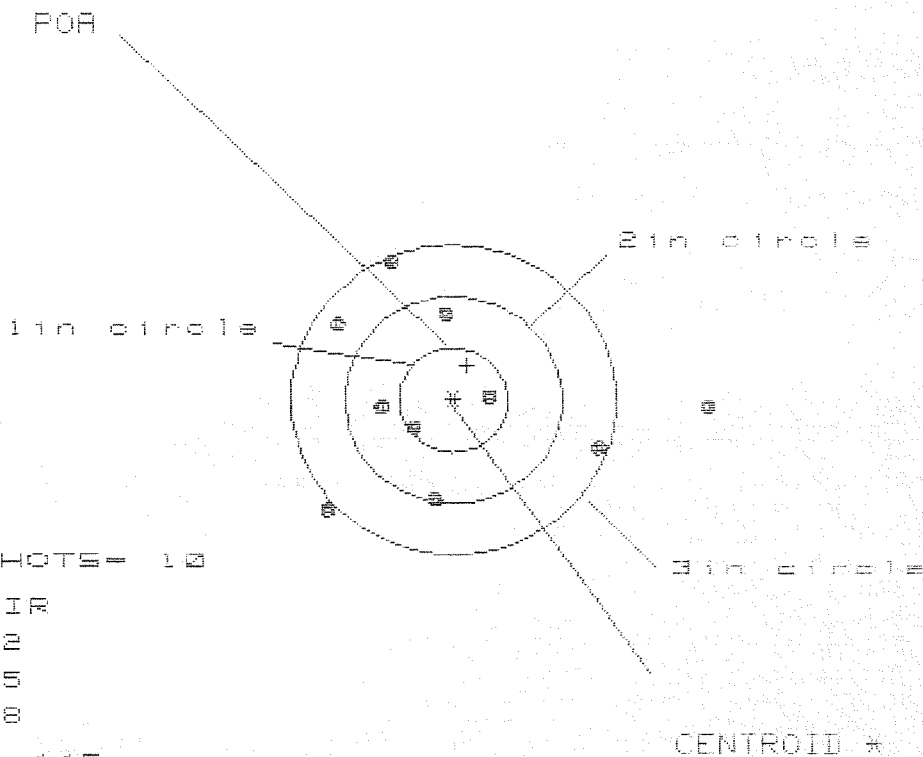
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.917	1.715	1.634
MINIMUM X	-1.384	-1.171	-0.956
MAXIMUM Y	1.278	1.284	1.262
MINIMUM Y	-1.308	-1.302	-1.324
CENTROID X	.026	-.187	-.402
CENTROID Y	.348	.342	.364
POA TO CENTROID in.	.349	.390	.542
MIN RADIUS	.759	.576	.444
MEAN RADIUS	1.244	1.131	1.020
MAX RADIUS	1.918	1.724	1.413
HORIZONTAL SPREAD	3.301	2.886	1.590
VERTICAL SPREAD	2.586	2.586	2.536
EXTREME SPREAD	3.308	2.920	2.631
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225314

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 3.445

VS= 2.432

GS= 3.602

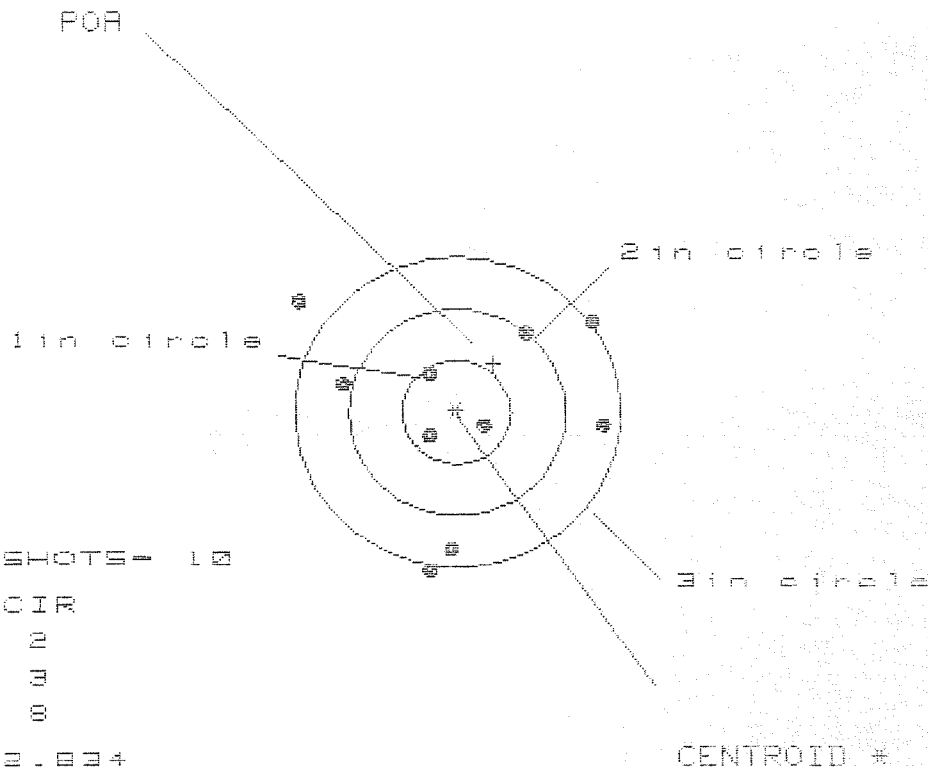
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.311	1.572	1.462
MINIMUM X	:	-1.134	-.877	-.891
MAXIMUM Y	:	1.339	1.335	1.198
MINIMUM Y	:	-1.093	-1.097	-1.138
CENTROID X	:	-.134	-.391	-.281
CENTROID Y	:	-.337	-.333	-.196
POA TO CENTROID in.	:	.363	.513	.342
MIN RADIUS	:	.287	.263	.434
MEAN RADIUS	:	1.118	.946	.894
MAX RADIUS	:	2.311	1.642	1.585
HORIZONTAL SPREAD	:	3.445	2.449	2.353
VERTICAL SPREAD	:	2.432	2.432	2.326
EXTREME SPREAD	:	3.602	2.645	2.645
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06025314

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 8

HS= 2.834

VS= 2.663

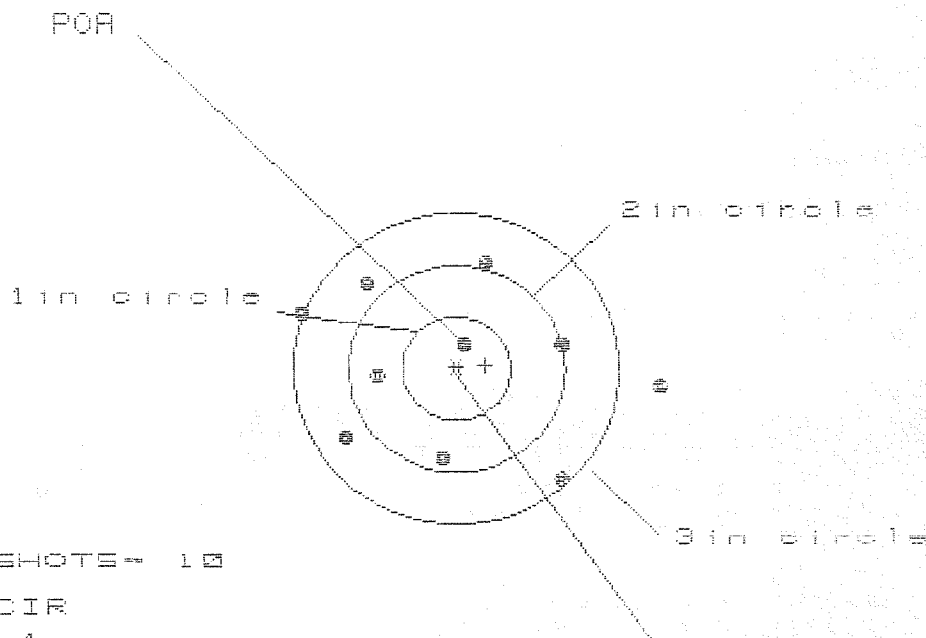
GS= 3.069

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.330	1.163	1.112
MINIMUM X	:	-1.504	-1.248	-1.299
MAXIMUM Y	:	1.091	.993	.812
MINIMUM Y	:	-1.572	-1.451	-1.399
CENTROID X	:	-.343	-.176	-.125
CENTROID Y	:	-.476	-.597	-.416
POA TO CENTROID in.	:	.587	.623	.434
MIN RADIUS	:	.276	.081	.184
MEAN RADIUS	:	1.086	.986	.917
MAX RADIUS	:	1.858	1.508	1.433
HORIZONTAL SPREAD	:	2.834	2.411	2.411
VERTICAL SPREAD	:	2.663	2.444	2.211
EXTREME SPREAD	:	3.069	2.837	2.559
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225314

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS = 3.326

VS = 2.037

GS = 3.387

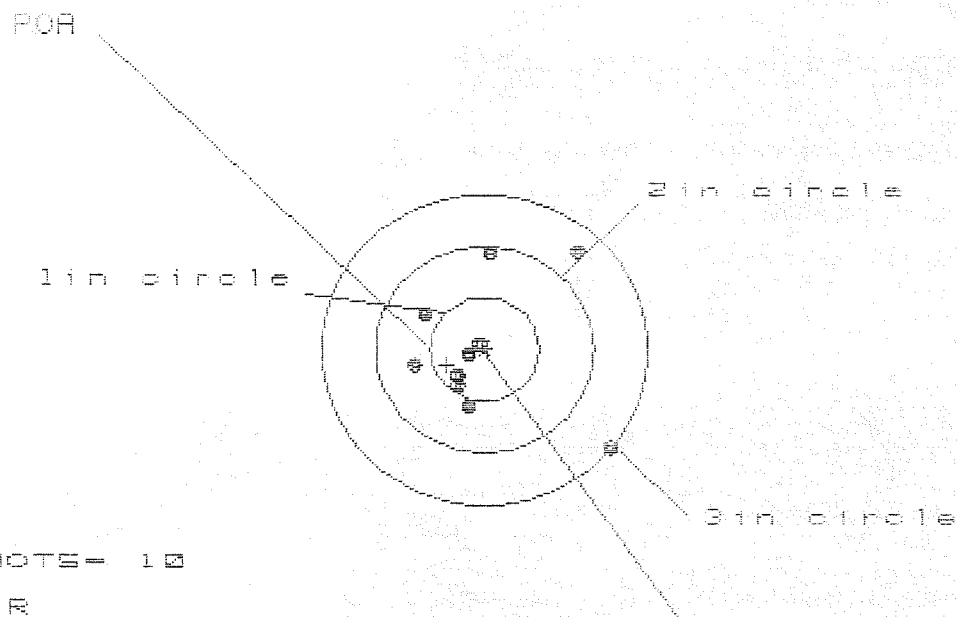
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.917	1.221	1.071
MINIMUM X	-1.409	-1.196	-.989
MAXIMUM Y	1.014	.999	1.060
MINIMUM Y	-1.022	-1.038	-.977
CENTROID X	-.269	-.482	-.332
CENTROID Y	-.036	-.020	-.081
POA TO CENTROID in.	.271	.482	.342
MIN RADIUS	.249	.331	.305
MEAN RADIUS	1.114	1.000	.964
MAX RADIUS	1.922	1.562	1.411
HORIZONTAL SPREAD	3.326	2.417	2.060
VERTICAL SPREAD	2.037	2.037	2.037
EXTREME SPREAD	3.387	2.812	2.566
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	9		

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225314

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 8

3 in = 9

HS = 1.798

VS = 1.959

GS = 2.263

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.153	.979	.272
MINIMUM X	-.645	-.516	-.394
MAXIMUM Y	.989	.881	.987
MINIMUM Y	-.970	-.691	-.585
CENTROID X	.347	.218	.096
CENTROID Y	.151	.259	.153
POA TO CENTROID in.	.378	.339	.181
MIN RADIUS	.017	.152	.039
MEAN RADIUS	.660	.556	.418
MAX RADIUS	1.507	1.293	1.023
HORIZONTAL SPREAD	1.798	1.495	.666
VERTICAL SPREAD	1.959	1.572	1.572
EXTREME SPREAD	2.263	1.859	1.587
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		