

C6225139

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: **RE00074086**Serial: C6225139 Model 700 Center Fire Caliber: 7
62 NATO M24 SWS Produced: 06/21/1989

Repairman:

Verify Repair:

High Priority

Status:

Closed 12/11/2003 2:18:37 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received FromName: **TRANSPORTATION OFFICE****TRANSPORTATION OFFICE**Address 1: **BLDG 330****BLDG 330**Address 2: **4851 CHILES AVE**

PO Box:

4851 CHILES AVE

PO Box:

City: **FORT CARSON****FORT CARSON**

State:

Zip Code: **80913**Country: **US**State: **CO**Zip Code: **80913**Country: **US**

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: **719 526 4211**

Fax:

Email:

Comments:

Received Condition

FairCondition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A005	Less Bolt Assm	1
A007	With Studs	3
A017	Scope Bases	2
A026	Scope	1

Repair Search

Refresh

Close

nagletj

12/12/2003

7:12 AM

CAPS

NUM

INS

SCRL

start

2 Microsof...

CATT MSL/IR...

2 Microsof...

Stock Overvi...

Arms Service...

7:12 AM

Serial Number: **C6225139**Model: **700****RE00074086**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225139.___0
FILE DATE AND TIME: 01/28/2004 10:47

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.027
The Average Y Centroid of the Five Target Set:	-0.052
The Average Point of Impact of the Five Target Set:	0.059
The Average Mean Radius of the Five Target Set:	0.588
The Distance from POA to Centroid Target #1:	0.156
The Distance from Centroid Target #2 to Centroid Target #1:	0.129
The Distance from Centroid Target #3 to Centroid Target #1:	0.167
The Distance from Centroid Target #4 to Centroid Target #1:	0.192
The Distance from Centroid Target #5 to Centroid Target #1:	0.268

SERIAL NUMBER: C6225139. __0

TARGET NUMBER: 1

FILE DATE: 01/28/2004

FILE TIME: 10:47

X CENTROID: 0.156

Y CENTROID: 0.014

POA TO CENTROID: 0.156

HORZ SPREAD: 0.763

VERT SPREAD: 1.986

GROUP SPREAD: 1.987

MIN RADIUS: 0.085

MAX RADIUS: 1.293

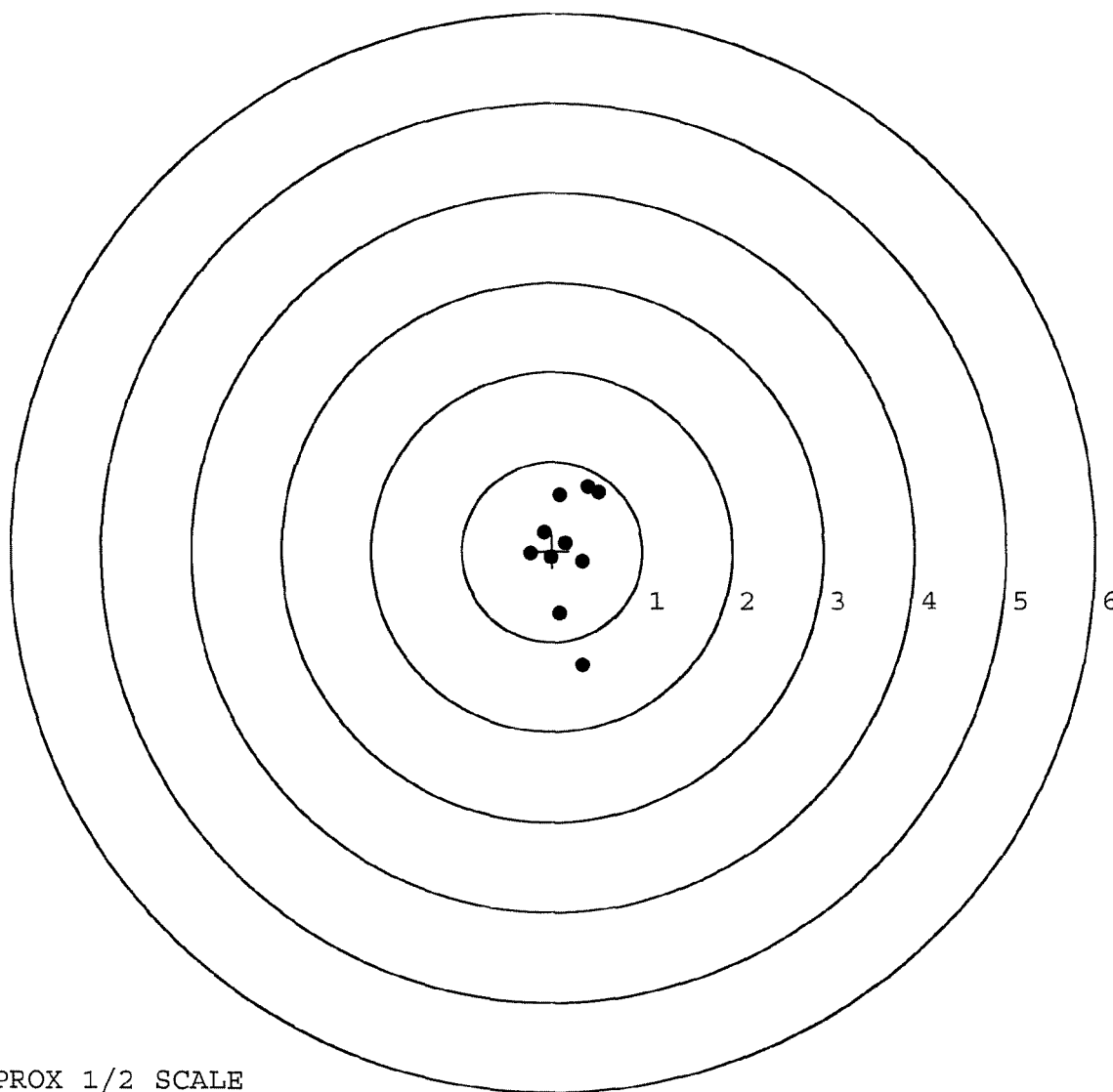
MEAN RADIUS: 0.532

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.518	0.657
2:	0.395	0.721
3:	0.083	0.628
4:	0.341	-1.265
5:	0.081	-0.692
6:	0.339	-0.119
7:	0.153	0.099
8:	-0.089	0.209
9:	-0.245	-0.026
10:	-0.019	-0.067



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225139. __ 0

TARGET NUMBER: 2

FILE DATE: 01/28/2004

FILE TIME: 10:47

POINT#	X	Y
1:	1.385	0.256
2:	0.423	0.834
3:	0.838	-0.196
4:	-0.520	-0.374
5:	-0.370	-0.664
6:	-0.043	-0.254
7:	-1.778	0.067
8:	0.293	0.170
9:	0.050	0.262
10:	-0.013	0.015

X CENTROID: 0.026

Y CENTROID: 0.012

POA TO CENTROID: 0.029

HORZ SPREAD: 3.163

VERT SPREAD: 1.498

GROUP SPREAD: 3.169

MIN RADIUS: 0.040

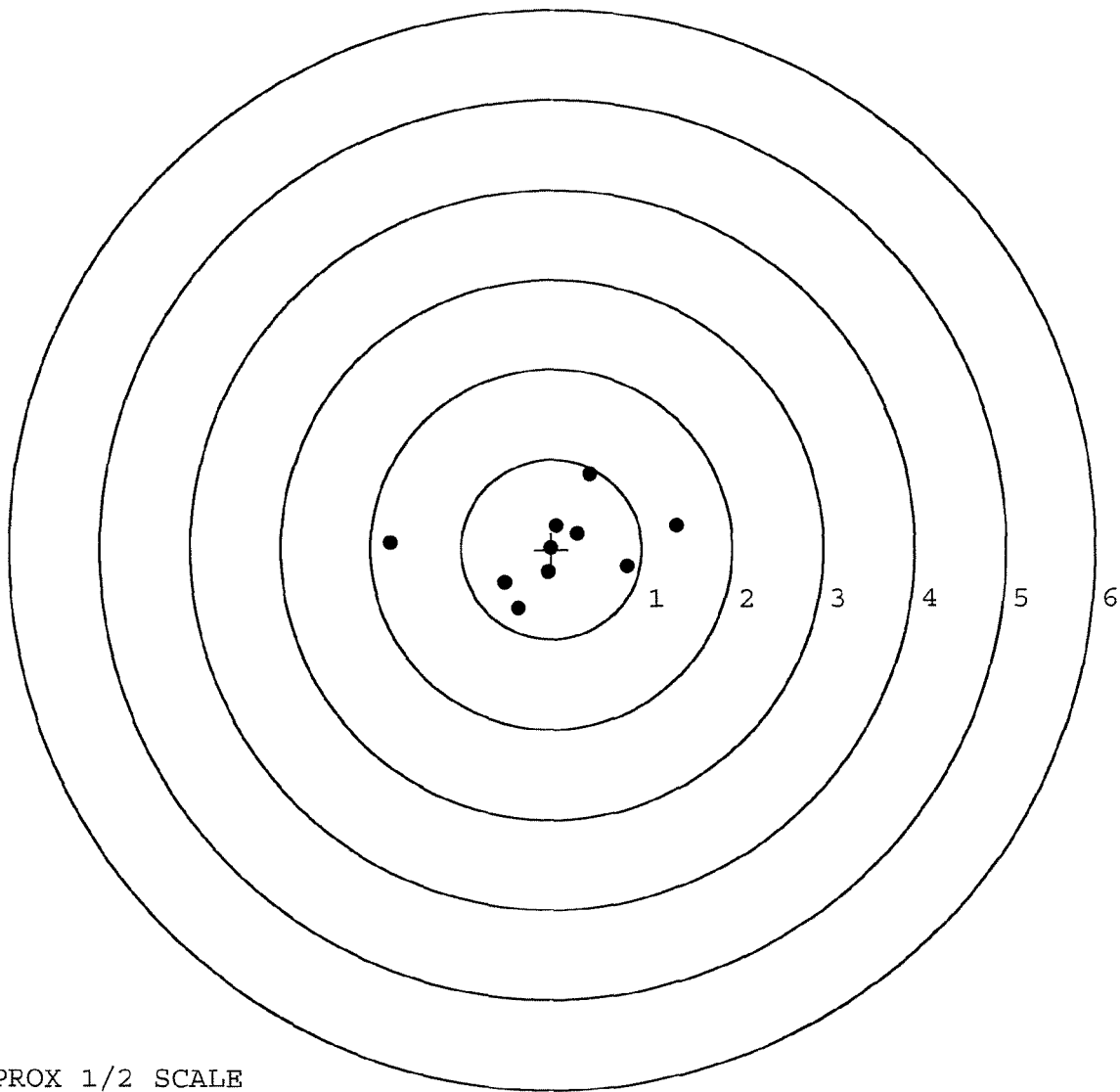
MAX RADIUS: 1.805

MEAN RADIUS: 0.726

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225139.0

TARGET NUMBER: 3

FILE DATE: 01/28/2004

FILE TIME: 10:47

X CENTROID: 0.052

Y CENTROID: -0.117

POA TO CENTROID: 0.128

HORZ SPREAD: 1.421

VERT SPREAD: 1.297

GROUP SPREAD: 1.470

MIN RADIUS: 0.102

MAX RADIUS: 0.937

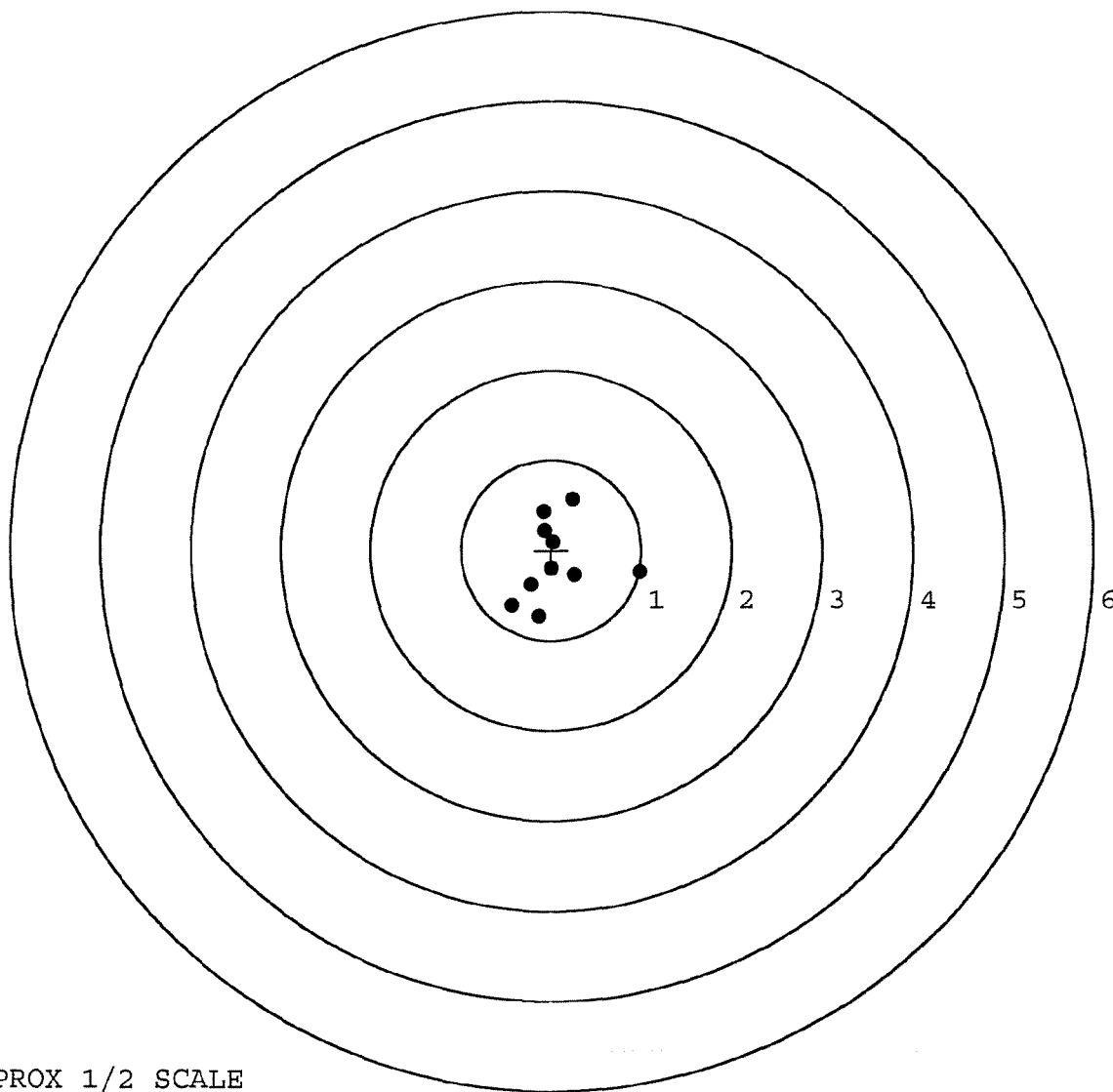
MEAN RADIUS: 0.487

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.228	-0.385
2:	-0.440	-0.618
3:	-0.139	-0.737
4:	0.260	-0.275
5:	0.000	-0.205
6:	0.021	0.087
7:	-0.074	0.216
8:	-0.093	0.432
9:	0.234	0.560
10:	0.981	-0.243



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225139. __0

TARGET NUMBER: 4

FILE DATE: 01/28/2004

FILE TIME: 10:47

X CENTROID: -0.024

Y CENTROID: -0.053

POA TO CENTROID: 0.058

HORZ SPREAD: 1.844

VERT SPREAD: 1.181

GROUP SPREAD: 1.918

MIN RADIUS: 0.323

MAX RADIUS: 1.108

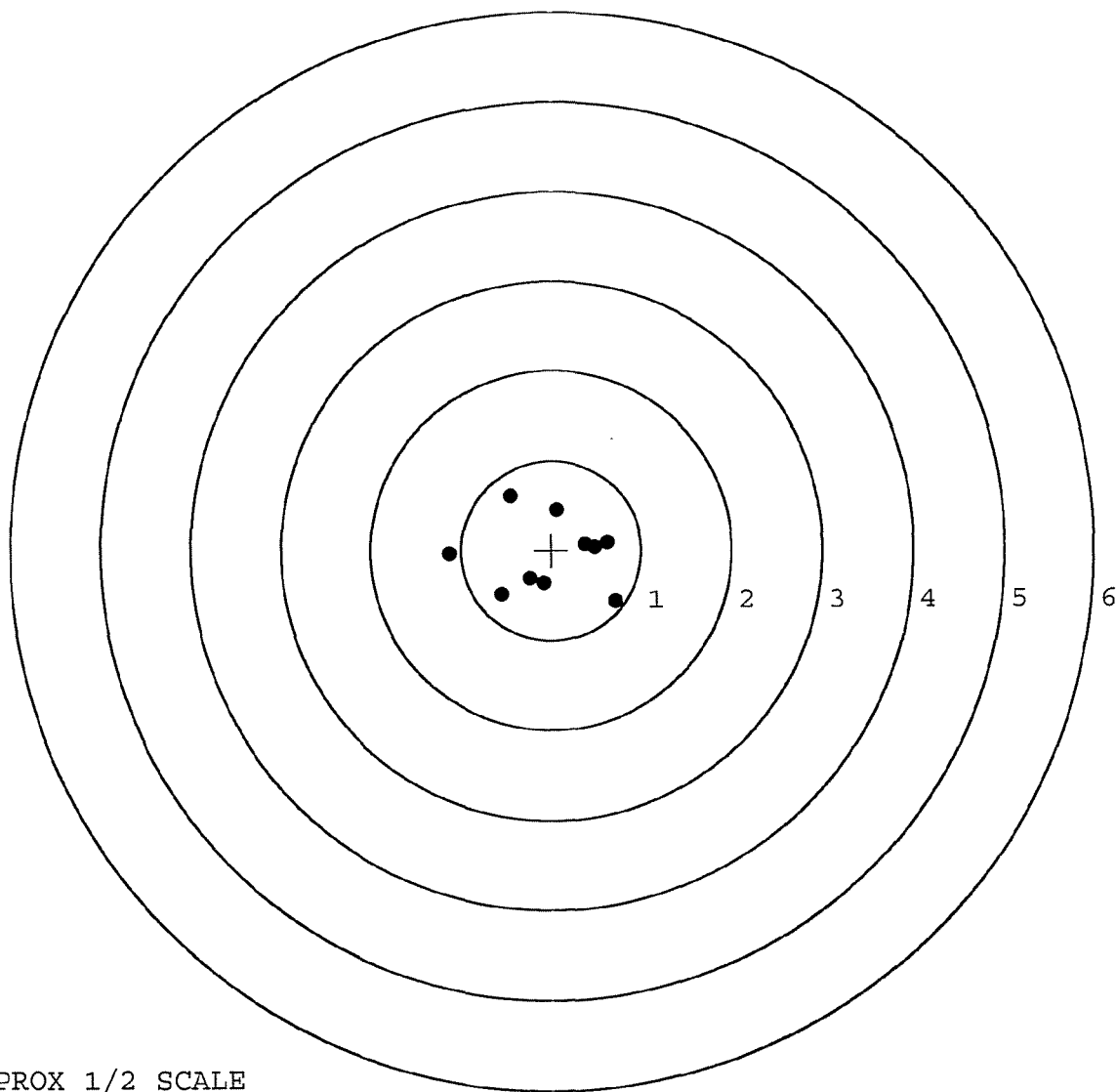
MEAN RADIUS: 0.626

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.056	0.452
2:	-0.457	0.612
3:	-1.132	-0.043
4:	-0.560	-0.490
5:	-0.246	-0.318
6:	-0.087	-0.370
7:	0.480	0.037
8:	0.620	0.088
9:	0.712	-0.569
10:	0.375	0.069

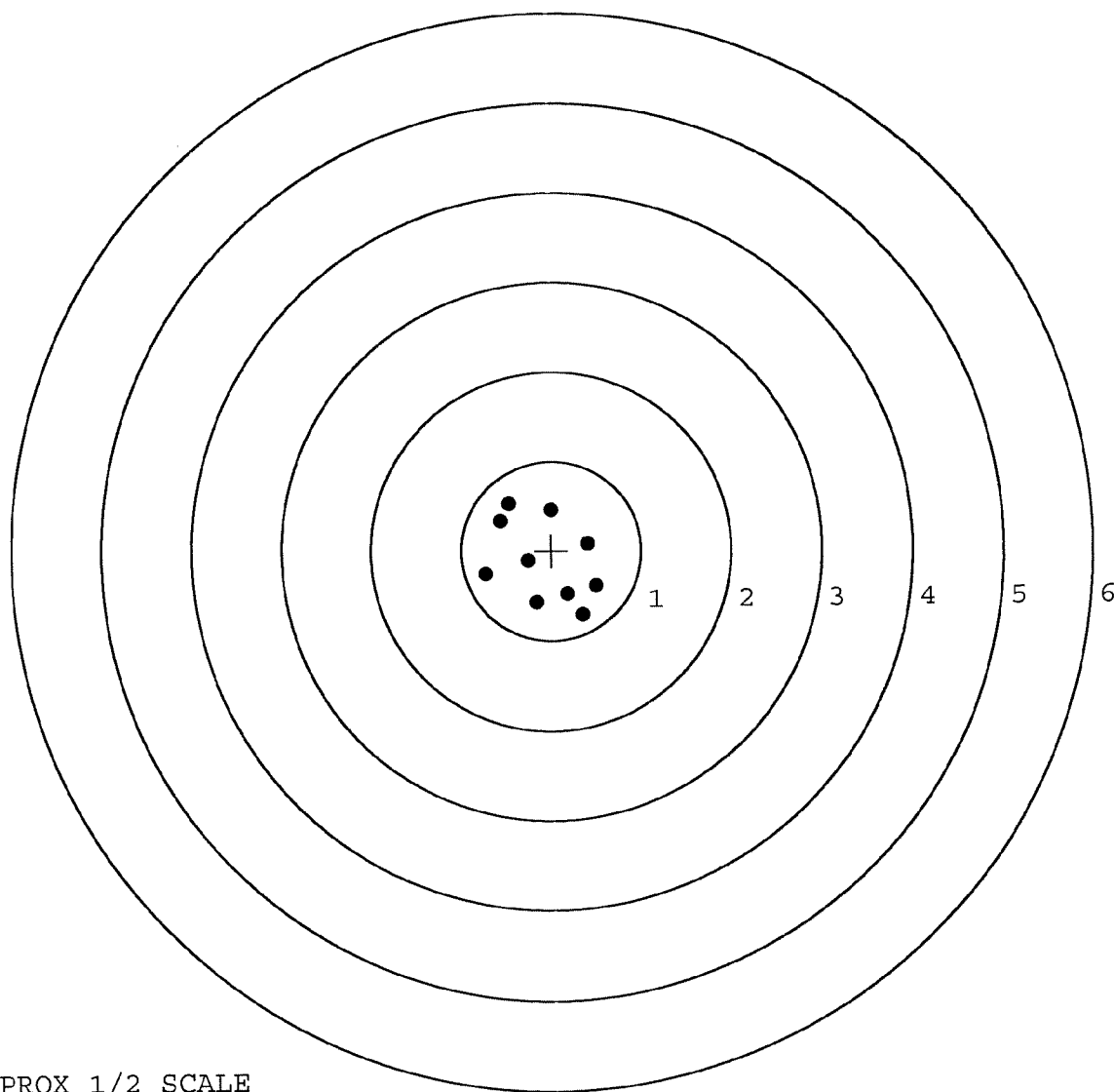


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225139. __0
 TARGET NUMBER: 5
 FILE DATE: 01/28/2004
 FILE TIME: 10:47

POINT#	X	Y
1:	-0.003	0.458
2:	-0.471	0.529
3:	-0.560	0.337
4:	-0.729	-0.261
5:	-0.264	-0.115
6:	0.496	-0.406
7:	0.342	-0.725
8:	-0.168	-0.580
9:	0.180	-0.488
10:	0.405	0.076

X CENTROID: -0.077
 Y CENTROID: -0.118
 POA TO CENTROID: 0.141
 HORZ SPREAD: 1.225
 VERT SPREAD: 1.254
 GROUP SPREAD: 1.494
 MIN RADIUS: 0.187
 MAX RADIUS: 0.757
 MEAN RADIUS: 0.568
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	74086		
SERIAL NUMBER	CL022 5139		
LOG-IN DATE	12-23-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-23-03	RTL
560 A	RE-BARREL	1-7-04	RTL
B	DRILL AND TAP	1-9-04	TRW
575	ASSEMBLE	1-8-04	RTL
600	PROOF	1-8-04	RW
605	CHECK HEADSPACE	1-8-04	RW
610	DIS-ASSEMBLE GUN	1-8-04	RW
612	MAGNAFLUX OPERATOR	1-8-04	TR
615	ROLLMARK CALIBER	1-13-04	JB
618	ROTO-BLAST	1/13/2004	Dans
620	APPLY COATINGS	1-15	TR
625 A	FINAL ASSEMBLY	1-17-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-28-04	AC
655	FINAL INSPECT	1-30-04	RTL
660	PACK	1-30-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

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

MODEL 700™ M24

SERIAL NO. C6225139

ORDER NO. 5716

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.

Ø1



5716 C6225139

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225139

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12 89		RW
600	Proof	4 12 89		RW
607	Check Headspace	4 12 89		RW
610	Dis-assemble Gun	4 12 89		RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/15/89	GS
617	Drill and Tap Sight Holes	4 14 89		WB
618	Polish Barrel RB	4 14 89		BT
620	Apply Coatings (Barrel Action)		4-20-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/89	RW
	C) Inspect Ejector Hole for Chamfer		5/1/89	RW
	D) Oil Firing Pin Ass'y		5/1/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/3/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/3/89	RL
	G) Safety Off Force	3	3	3			5/3/89	RL
	H) Trigger Pull Test & Retainability						5/3/89	WLB
	I) Firing Pin Indent	.021	.021	.021			5/3/89	RL
	J) Assemble Stock						5/4/89	RL
	K) Assemble Swivel Studs						15 May 89	RL
	L) Attach Front and Rear Sight Assemblies						5/4/89	RL
	M) Iron Sight Alignment						5/4/89	RL
	N) Detach Front & Rear Sights & place in numbered container						5/4/89	RL
	O) Attach Scope to Rifle						5/4/89	RL
	P) Detach & Attach Scope 20 Times						5/4/89	RL
640	Gallery Target & Test	64 R	89L				5/5/89	RL
	A) Time						5/5/89	RL
	B) Malfunctions						5/5/89	RL
	C) Pierced Primers						5/5/89	RL
	D) Optical Clarity of Scope						5/5/89	RL
645	Inspect for Live Ammo						5/5/89	RL
655	Final Inspection							
	A) Headspace						15 May 89	RL
	B) Trigger Pull	2.53	2.56	2.42	2.25	2.52	15 May 89	RL
	C) Function						15 May 89	RL
660	Pack						26 June 89	RL

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5739

DATE 3/26/90

TESTER HW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.25	2.42	2.18	MIN. SETTING,
PULL #2	2.33	2.37	2.24	NO AVG. OF 5
PULL #3	2.30	2.35	2.23	READINGS ACCEPT-
PULL #4	2.29	2.36	2.27	ABLE LESS THAN 2#
PULL #5	2.26	2.33	2.31	
TOTAL	11.43	11.83	11.23	
AVG.	2.29	2.36	2.24	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.31	3.20	
PULL #2	3.34	3.14	
PULL #3	3.28	3.21	
PULL #4	3.14	3.18	
PULL #5	3.23	3.12	
TOTAL	16.30	15.85	
AVG.	3.26	3.17	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	3.97		
PULL #2	4.24	3.94		
PULL #3	4.08	3.93		
PULL #4	4.06	3.95		
PULL #5	4.00	3.93		
TOTAL	20.65	19.72		
AVG.	4.13	3.94		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225139
5 May 1989

CENTROIDAL DISTANCES

0 TO	1	.836665
1 TO	2	.274898
1 TO	3	.630667
1 TO	4	.405617
1 TO	5	.910928

5 2 + (----POA
4
1

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4294
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.4184
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .599536
THE AMR FOR THIS RIFLE IS: .8306

5 May 1989

FILE: PATTERNING/CENTERFIRE_PATT/C8225139

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.095

VS= 2.203

GS= 2.364

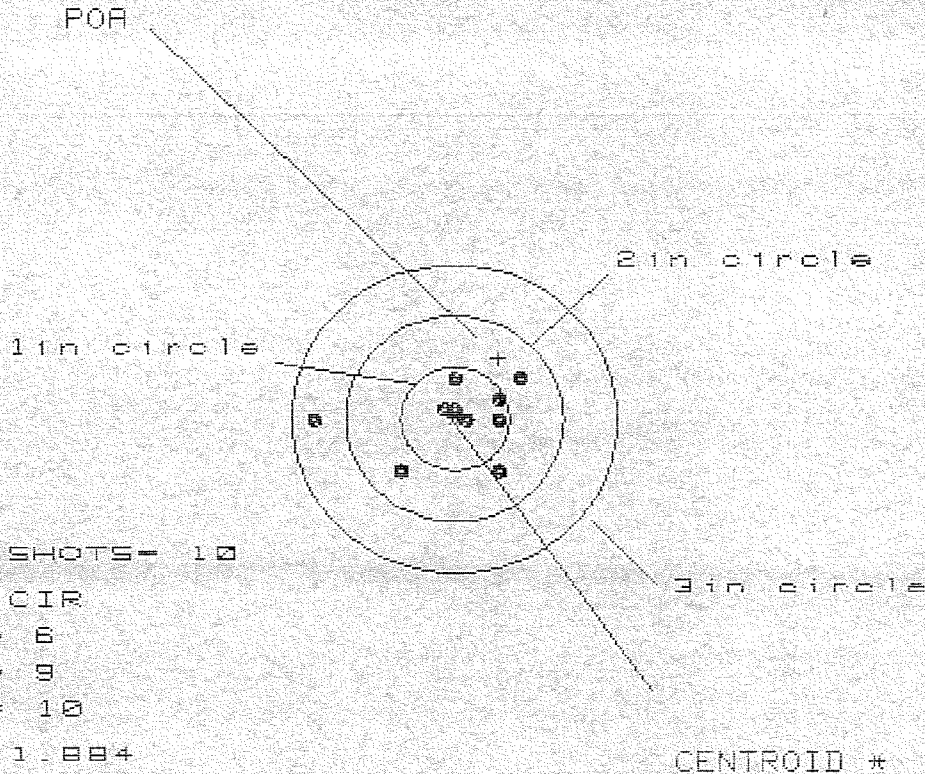
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.444	.931	.927
MINIMUM X	-.651	-.490	-.494
MAXIMUM Y	.982	.969	.815
MINIMUM Y	-1.221	-1.234	-1.074
CENTROID X	-.228	-.389	-.385
CENTROID Y	-.805	-.792	-.638
POA TO CENTROID in.	.837	.882	.745
MIN RADIUS	.357	.320	.167
MEAN RADIUS	.848	.753	.653
MAX RADIUS	1.449	1.241	1.141
HORIZONTAL SPREAD	2.095	1.421	1.421
VERTICAL SPREAD	2.203	2.203	1.889
EXTREME SPREAD	2.364	2.267	2.070
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		

5 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225139

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 6

2 in = 9

3 in = 10

HS= 1.884

VS= .944

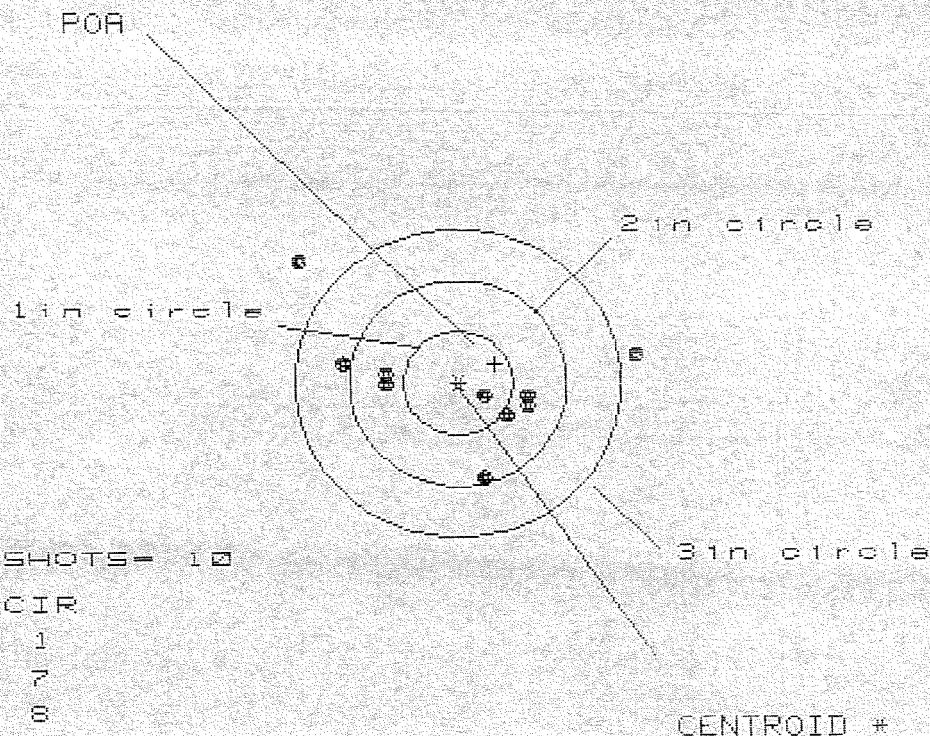
GS= 1.938

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.591	.447	.330
MINIMUM X	:	-1.293	-.595	-.539
MAXIMUM Y	:	.409	.404	.400
MINIMUM Y	:	-.535	-.540	-.490
CENTROID X	:	-.403	-.259	-.315
CENTROID Y	:	-.593	-.588	-.638
POA TO CENTROID in.	:	.716	.642	.712
MIN RADIUS	:	.059	.058	.023
MEAN RADIUS	:	.490	.383	.354
MAX RADIUS	:	1.294	.769	.694
HORIZONTAL SPREAD	:	1.884	1.042	.869
VERTICAL SPREAD	:	.944	.944	.890
EXTREME SPREAD	:	1.938	1.371	1.051
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

5 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225139

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS = 3.021

VS = 2.163

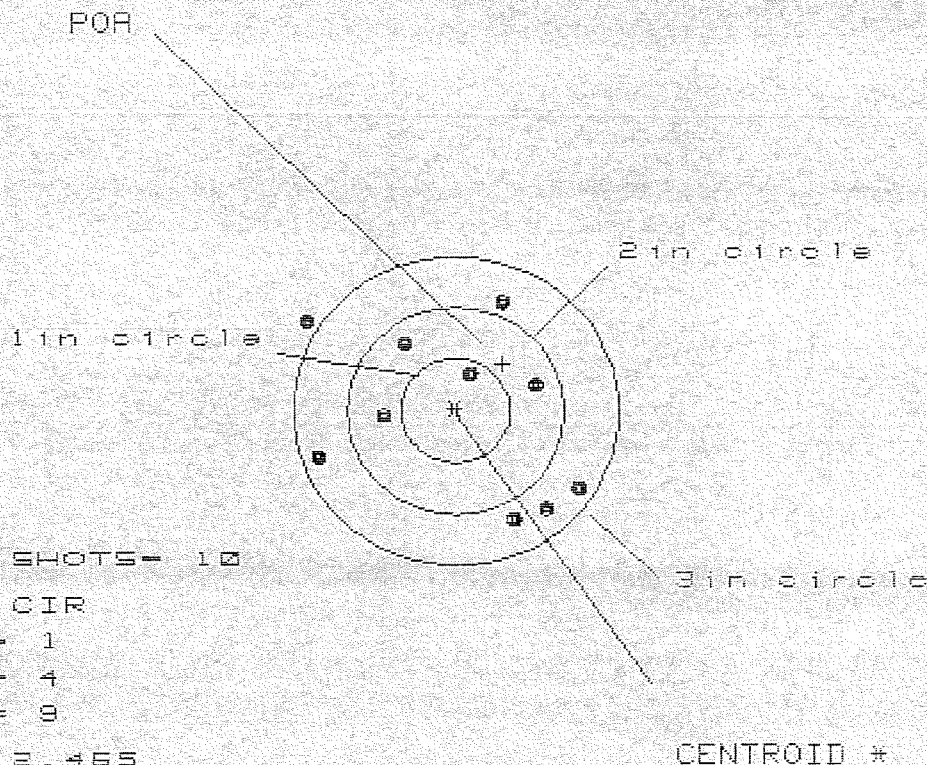
GS = 3.150

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.606	1.449	.676
MINIMUM X	-1.415	-1.195	-1.014
MAXIMUM Y	1.199	.439	.340
MINIMUM Y	-.964	-.831	-.776
CENTROID X	-.338	-.181	-.362
CENTROID Y	-.184	-.317	-.372
POA TO CENTROID in.	.385	.365	.519
MIN RADIUS	.262	.056	.230
MEAN RADIUS	.889	.726	.650
MAX RADIUS	1.855	1.514	1.069
HORIZONTAL SPREAD	3.021	2.644	1.690
VERTICAL SPREAD	2.163	1.270	1.116
EXTREME SPREAD	3.150	2.648	1.708
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

5 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225133

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 3.465

VS = 2.032

GS = 2.939

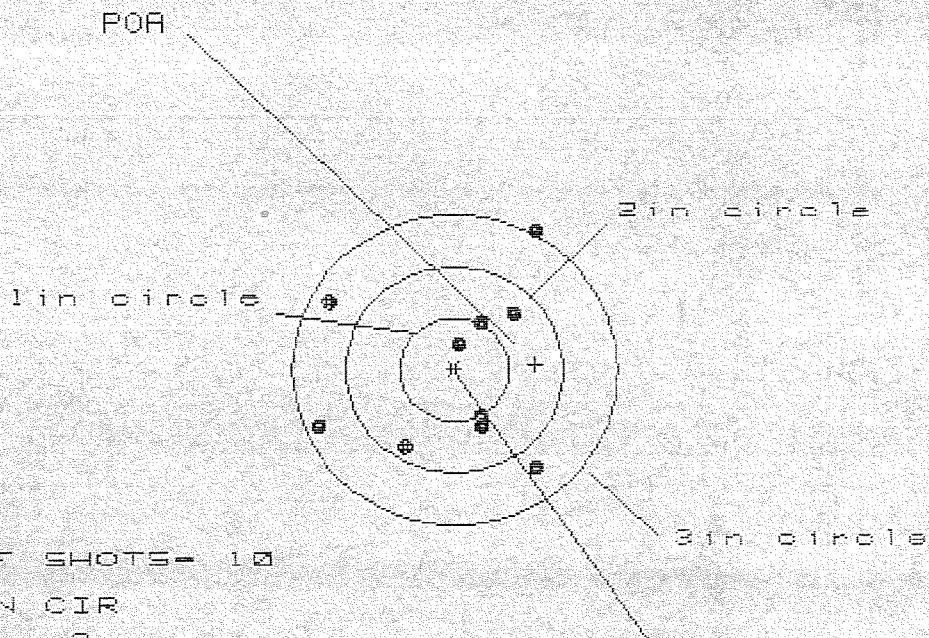
CENTROID *

PATTERN #	1	4	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.138	.990	.759
MINIMUM X	-1.327	-1.385	-1.261
MAXIMUM Y	1.014	1.109	1.029
MINIMUM Y	-1.018	-.923	-1.003
CENTROID X	-.433	-.285	-.409
CENTROID Y	-.455	-.551	-.471
POA TO CENTROID in.	.628	.621	.624
MIN RADIUS	.374	.463	.384
MEAN RADIUS	1.040	.976	.934
MAX RADIUS	1.583	1.417	1.318
HORIZONTAL SPREAD	2.465	2.375	2.020
VERTICAL SPREAD	2.032	2.032	2.032
EXTREME SPREAD	2.939	2.399	2.169
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

5 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225133

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 1.870

VS= 2.292

GS= 2.721

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.761	.822	.683
MINIMUM X	:	-1.209	-1.125	-1.264
MAXIMUM Y	:	1.342	.814	.790
MINIMUM Y	:	-.950	-.801	-.699
CENTROID X	:	-.745	-.829	-.690
CENTROID Y	:	-.055	-.204	-.306
POA TO CENTROID in.	:	.747	.854	.755
MIN RADIUS	:	.225	.384	.284
MEAN RADIUS	:	.886	.815	.712
MAX RADIUS	:	1.543	1.377	1.295
HORIZONTAL SPREAD	:	1.970	1.947	1.947
VERTICAL SPREAD	:	2.292	1.615	1.489
EXTREME SPREAD	:	2.721	2.518	2.046
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	