

C6225335

MODEL 700TM M24

Model SWS TM

Action _____

Barrel Length _____

Capacity _____

Order No. 5716

*Includes 1 in chamber.

Remington

Smead

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

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: **RE00052520** Serial: **C6225335** Model: **700** Center Fire Caliber: **7.62 NATO M-24 (SWS)** Repairman: Status: **Closed 9/19/02 6:49:58 AM**

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **MATERIAL MOVEMENT SECTION** **MATERIAL MOVEMENT SECTION**

Address 1: **BLDG 9630** **BLDG 9630**

Address 2: PO Box: PO Box:

City: **FORT LEWIS** **FORT LEWIS**

State: **WA** Zip Code: **98433** Country: **US** State: **WA** Zip Code: **98433** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Condition: **Poor**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
X	FRT & REAR SGT BA	1

Repair Search Refresh Close

maget 9/19/02 7:15 AM CAPS NUM NS SCFL

Start Inbox - Microsoft Outlook Arms Services Repair... 7:15 AM

Serial Number: **C6225335**

Model: **700**



RE00052520

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225335.___0

FILE DATE AND TIME: 10/15/2002 14:08

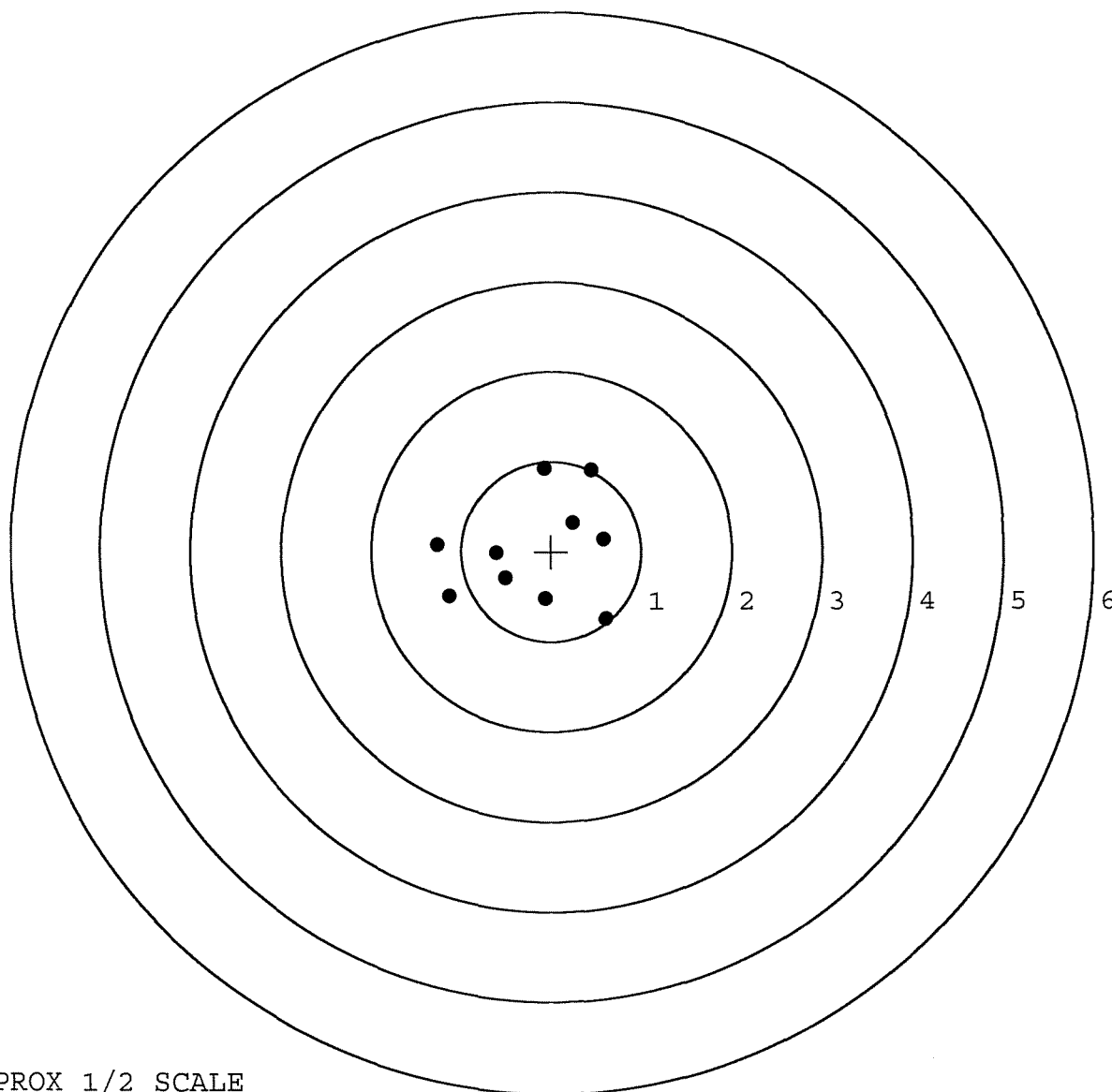
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.089
The Average Y Centroid of the Five Target Set:	-0.041
The Average Point of Impact of the Five Target Set:	0.098
The Average Mean Radius of the Five Target Set:	0.571
The Distance from POA to Centroid Target #1:	0.182
The Distance from Centroid Target #2 to Centroid Target #1:	0.046
The Distance from Centroid Target #3 to Centroid Target #1:	0.083
The Distance from Centroid Target #4 to Centroid Target #1:	0.328
The Distance from Centroid Target #5 to Centroid Target #1:	0.207

SERIAL NUMBER: C6225335. __0
 TARGET NUMBER: 1
 FILE DATE: 10/15/2002
 FILE TIME: 14:08

X CENTROID: -0.180
 Y CENTROID: 0.027
 POA TO CENTROID: 0.182
 HORZ SPREAD: 1.879
 VERT SPREAD: 1.671
 GROUP SPREAD: 2.052
 MIN RADIUS: 0.430
 MAX RADIUS: 1.110
 MEAN RADIUS: 0.802
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.612	-0.751
2:	-0.073	-0.533
3:	-0.507	-0.299
4:	-0.607	-0.019
5:	-1.138	-0.506
6:	-1.267	0.074
7:	0.586	0.146
8:	0.240	0.326
9:	0.442	0.908
10:	-0.085	0.920

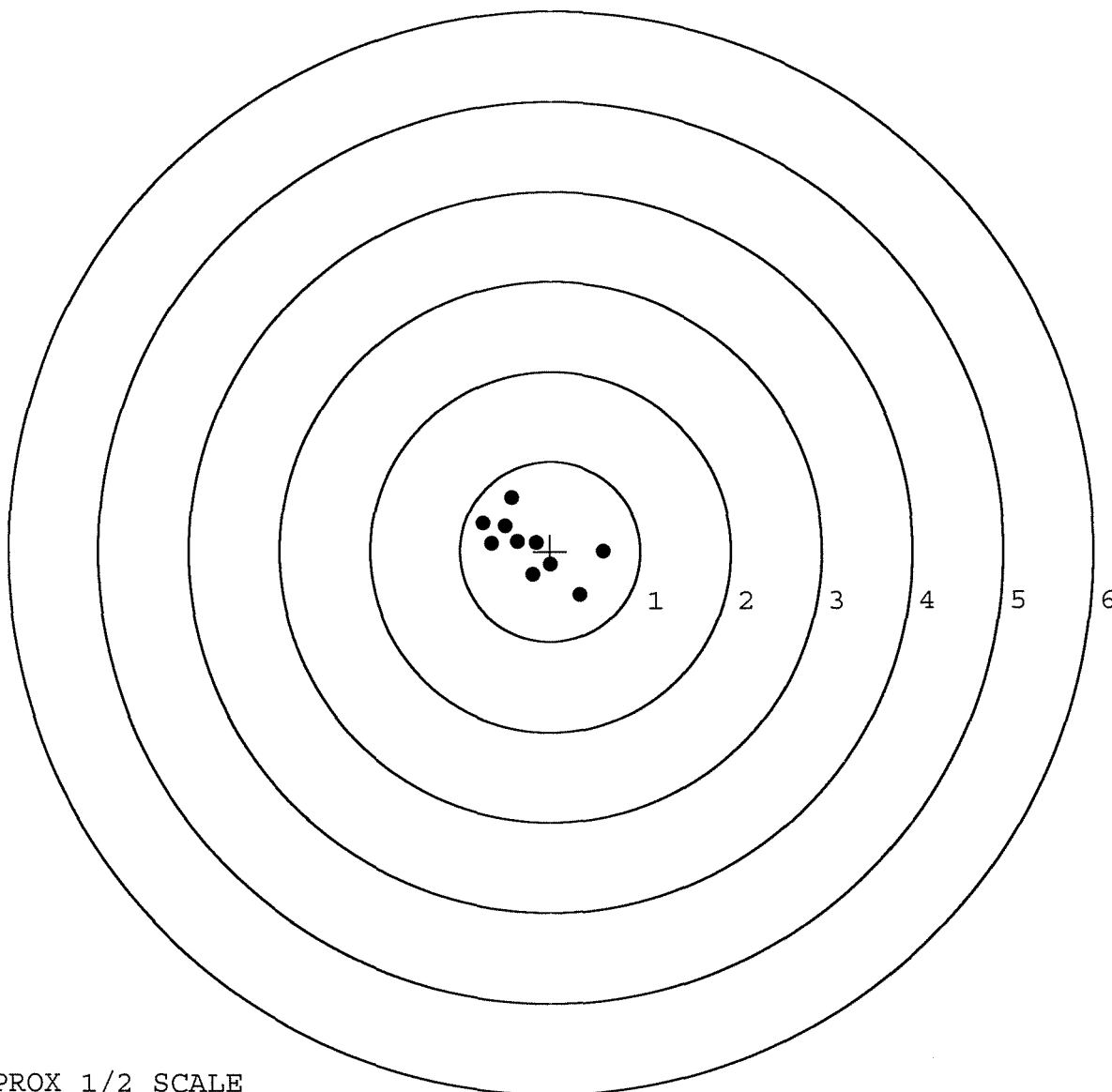


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225335. __0
 TARGET NUMBER: 2
 FILE DATE: 10/15/2002
 FILE TIME: 14:08

X CENTROID: -0.212
 Y CENTROID: 0.060
 POA TO CENTROID: 0.220
 HORZ SPREAD: 1.327
 VERT SPREAD: 1.090
 GROUP SPREAD: 1.364
 MIN RADIUS: 0.067
 MAX RADIUS: 0.801
 MEAN RADIUS: 0.439
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.328	-0.492
2:	0.587	0.000
3:	-0.433	0.598
4:	-0.740	0.317
5:	-0.494	0.286
6:	-0.649	0.093
7:	-0.364	0.112
8:	-0.157	0.099
9:	-0.196	-0.263
10:	0.002	-0.147



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225335. __0

TARGET NUMBER: 3

FILE DATE: 10/15/2002

FILE TIME: 14:08

X CENTROID: -0.131

Y CENTROID: -0.040

POA TO CENTROID: 0.137

HORZ SPREAD: 1.468

VERT SPREAD: 0.901

GROUP SPREAD: 1.498

MIN RADIUS: 0.126

MAX RADIUS: 0.806

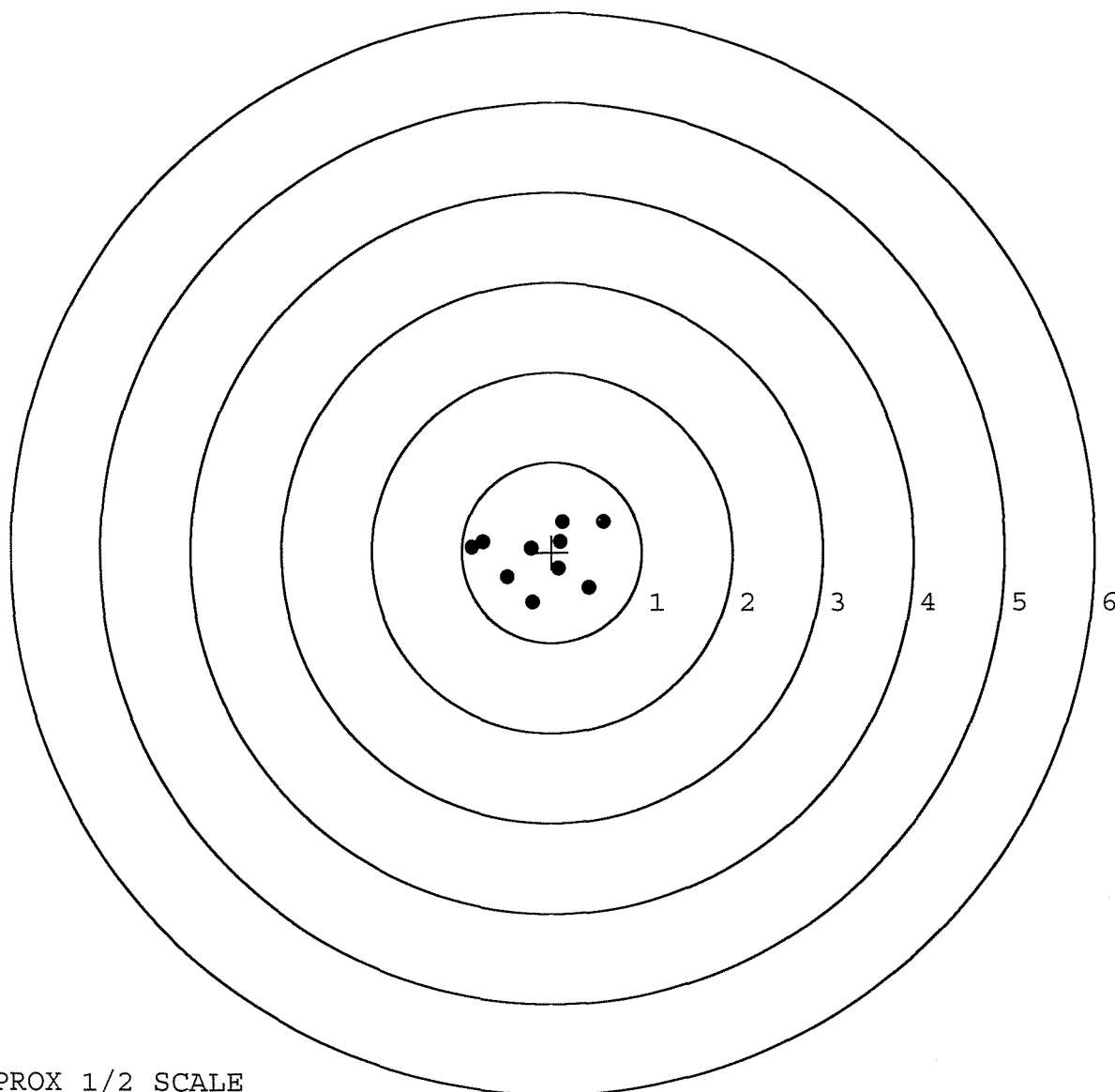
MEAN RADIUS: 0.494

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.578	0.344
2:	0.126	0.338
3:	0.414	-0.387
4:	-0.220	-0.557
5:	-0.500	-0.275
6:	-0.890	0.048
7:	-0.762	0.112
8:	-0.228	0.041
9:	0.077	-0.184
10:	0.096	0.120

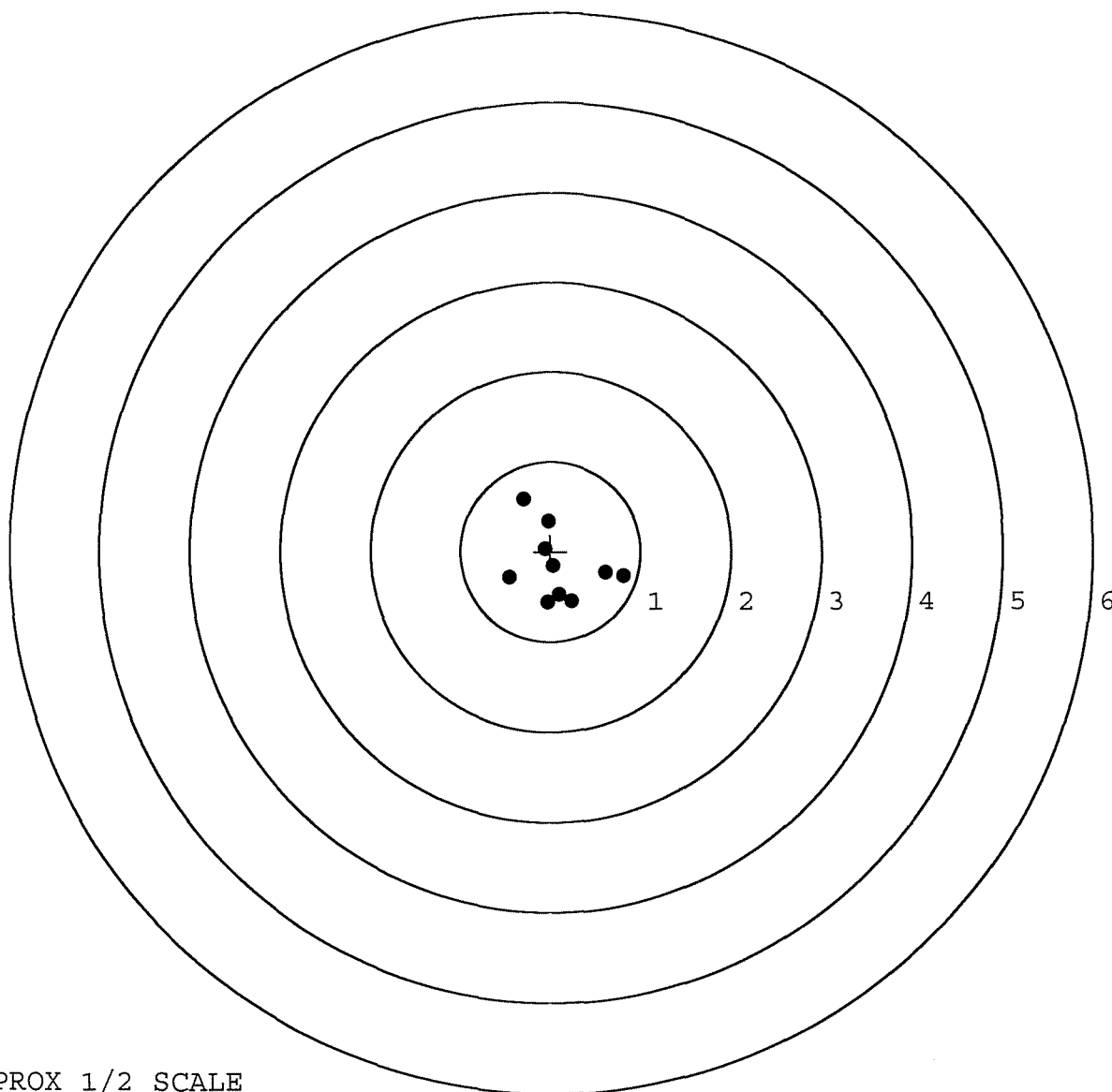


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225335. __0
 TARGET NUMBER: 4
 FILE DATE: 10/15/2002
 FILE TIME: 14:08

X CENTROID: 0.089
 Y CENTROID: -0.160
 POA TO CENTROID: 0.184
 HORZ SPREAD: 1.268
 VERT SPREAD: 1.152
 GROUP SPREAD: 1.401
 MIN RADIUS: 0.059
 MAX RADIUS: 0.841
 MEAN RADIUS: 0.464
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.810	-0.270
2:	0.609	-0.227
3:	0.235	-0.554
4:	-0.038	-0.568
5:	-0.458	-0.289
6:	-0.026	0.340
7:	-0.301	0.584
8:	-0.065	0.029
9:	0.031	-0.166
10:	0.097	-0.483

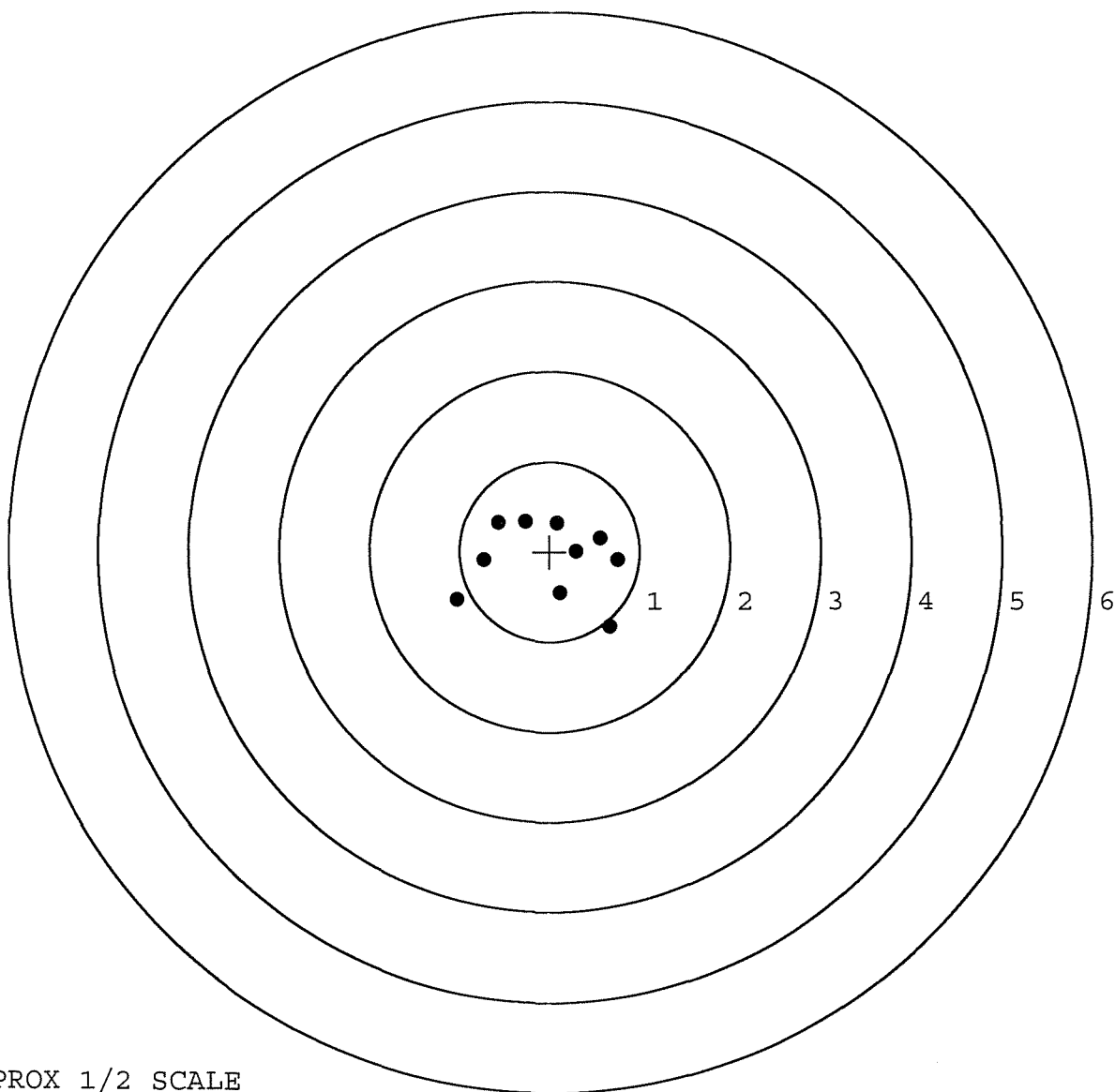


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225335. __0
 TARGET NUMBER: 5
 FILE DATE: 10/15/2002
 FILE TIME: 14:08

X CENTROID: -0.011
 Y CENTROID: -0.094
 POA TO CENTROID: 0.094
 HORZ SPREAD: 1.784
 VERT SPREAD: 1.172
 GROUP SPREAD: 1.840
 MIN RADIUS: 0.320
 MAX RADIUS: 1.113
 MEAN RADIUS: 0.656
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.672	-0.839
2:	0.119	-0.465
3:	-0.730	-0.105
4:	-1.029	-0.544
5:	0.755	-0.095
6:	0.565	0.148
7:	0.296	-0.002
8:	0.084	0.315
9:	-0.269	0.333
10:	-0.572	0.316



TARGET APPROX 1/2 SCALE

Final Inspection

In: C6225335

DATE REC'D: 9/18/02

DATE RET'D:

EDITOR: PW

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:

R & E NUMBER	52520		
SERIAL NUMBER	C6225335		
LOG-IN DATE	9/18/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9/20/02	RL
560 A	RE-BARREL	9/20/02	DA
B	DRILL AND TAP	9-21-02	AC
575	ASSEMBLE	9/24/02	RL
600	PROOF	9-25-02	AC
605	CHECK HEADSPACE	9-25-02	AC
610	DIS-ASSEMBLE GUN	9/24/02	RL
612	MAGNAFLUX	9/27/02	TW
615	ROLLMARK CALIBER	9/30/02	KO
618	ROTO-BLAST	10-5	TA
620	APPLY COATINGS	10/9/02	RW
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-14-02	AC
655	FINAL INSPECT	10-14-02	RW
660	PACK	10-15-02	DA
		SHIP DATE	
QAR INSPECTION DATE			



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

MODEL 700™ M24

01

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

SERIAL NO.
C6225335

ORDER NO.
5716



5716 C6225335

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225335

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	1 12 89		RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt	Rejected on cracked handle end	4/14/89	KCR
615	Rollmark Caliber		4/14/89	SS.
617	Drill and Tap Sight Holes	4 14 89		FB.
618	Polish Barrel RB	4 14 89		BT.
620	Apply Coatings (Barrel Action)		4-20-89	TS
	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		5/5/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/8/89	JU
	G) Safety Off Force	3	3	3			5/8/89	JU
	H) Trigger Pull Test & Retainability						5/5/89	WB
	I) Firing Pin Indent	.020	.0205	.021			5/8/89	JU
	J) Assemble Stock						5/8/89	RW
	K) Assemble Swivel Studs						16 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/8/89	RW
	M) Iron Sight Alignment						5/8/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/8/89	RW
	O) Attach Scope to Rifle						5/8/89	JU
	P) Detach & Attach Scope 20 Times						5/8/89	JU
640	Gallery Target & Test	75 R	79 L				5/9/89	K
	A) Time						5/9/89	K
	B) Malfunctions						5/9/89	K
	C) Pierced Primers						5/9/89	K
	D) Optical Clarity of Scope						5/9/89	K
645	Inspect for Live Ammo						5/9/89	K
655	Final Inspection							
	A) Headspace						16 May 89	JS
	B) Trigger Pull	2.18	2.28	2.35	2.32	2.42	16 May 89	JS
	C) Function						16 May 89	JS
660	Pack						27 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C 6775335

DATE 5/5/89

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.40	2.28	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.31	2.16	2.28	
PULL #3	2.28	2.34	2.14	2.35	
PULL #4	2.24	2.19	2.18	2.32	
PULL #5	2.24	2.30	2.19	2.42	
TOTAL	11.23	11.54	10.95	11.55	
AVG.	2.24	2.31	2.19	2.31	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.34		
PULL #2	3.21	3.34		
PULL #3	3.31	3.22		
PULL #4	3.48	3.33		
PULL #5	3.53	3.40		
TOTAL	16.83	16.63		
AVG.	3.37	3.32		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.07		4.18
PULL #2	4.32	4.19		4.15
PULL #3	4.27	4.20		4.28
PULL #4	4.08	4.28		4.23
PULL #5	4.19	4.01		4.22
TOTAL	21.25	20.75		21.06
AVG.	4.25	4.15		4.21

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # C6225335
 10 May 1989

CENTROIDAL DISTANCES

0 TO	1	.383565
1 TO	2	.251754
1 TO	3	.842465
1 TO	4	1.00033
1 TO	5	.972944

$\frac{1^2}{s_4 3}$
 $\leftarrow$ POA

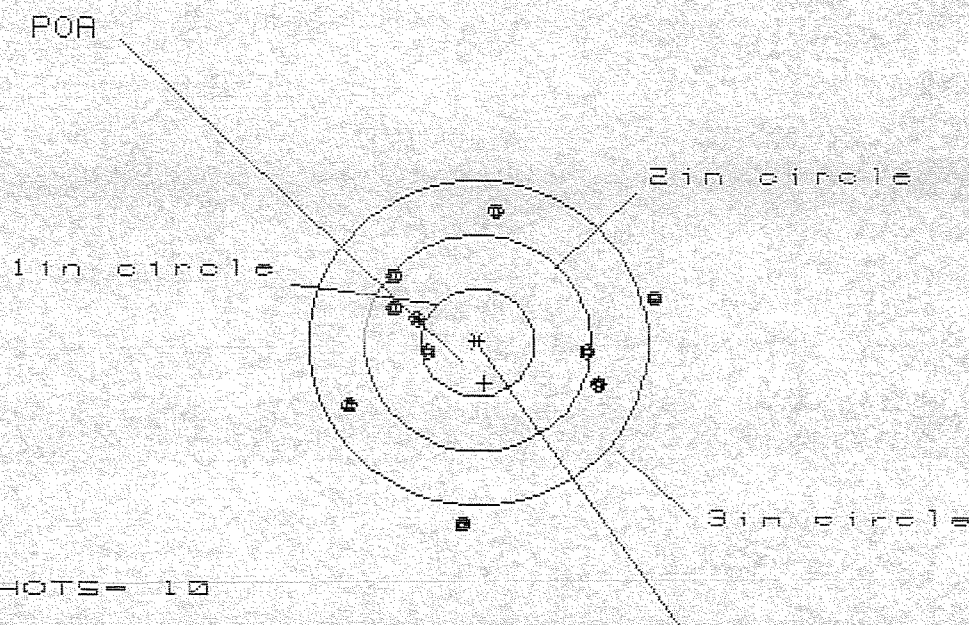
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0944
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.125
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .156641
 THE AMR FOR THIS RIFLE IS: .8174

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225335

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.650

VS = 2.870

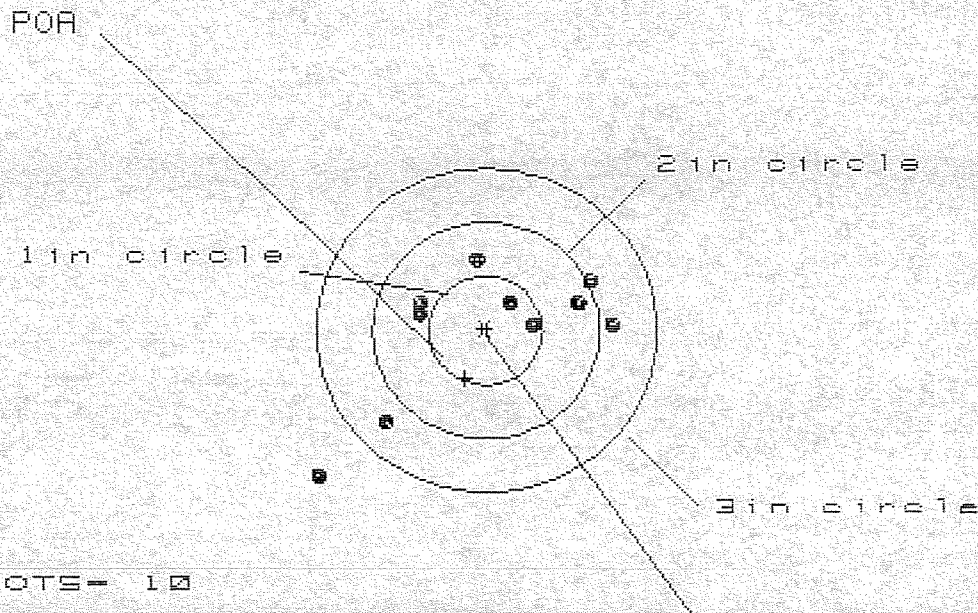
GS = 2.881

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.517	1.505	1.189
MINIMUM X	-1.133	-1.145	-.957
MAXIMUM Y	1.191	1.005	1.036
MINIMUM Y	-1.679	-.785	-.754
CENTROID X	-.059	-.047	-.235
CENTROID Y	.379	.565	.534
POA TO CENTROID in.	.383	.567	.584
MIN RADIUS	.450	.512	.330
MEAN RADIUS	1.053	.966	.841
MAX RADIUS	1.682	1.524	1.288
HORIZONTAL SPREAD	2.650	2.650	2.146
VERTICAL SPREAD	2.870	1.790	1.790
EXTREME SPREAD	2.881	2.843	2.194
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225335

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 2.614

VS = 2.038

GS = 2.979

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.159	.997	.866
MINIMUM X	:	-1.455	-1.050	-.873
MAXIMUM Y	:	.694	.544	.415
MINIMUM Y	:	-1.344	-1.036	-.245
CENTROID X	:	.185	.347	.478
CENTROID Y	:	.441	.591	.720
POA TO CENTROID in.	:	.479	.685	.864
MIN RADIUS	:	.387	.171	.051
MEAN RADIUS	:	.906	.727	.592
MAX RADIUS	:	1.981	1.475	.900
HORIZONTAL SPREAD	:	2.614	2.047	1.739
VERTICAL SPREAD	:	2.038	1.580	.650
EXTREME SPREAD	:	2.979	2.250	1.747
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225335

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 6

2 in = 7

3 in = 8

HS= 1.688

VS= 3.244

GS= 3.249

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.226	1.228	1.207
MINIMUM X	:	-.462	-.460	-.481
MAXIMUM Y	:	1.618	1.437	.851
MINIMUM Y	:	-1.626	-.935	-.755
CENTROID X	:	.239	.237	.258
CENTROID Y	:	-.409	-.228	-.408
POA TO CENTROID in.	:	.473	.329	.482
MIN RADIUS	:	.123	.061	.125
MEAN RADIUS	:	.730	.620	.508
MAX RADIUS	:	1.626	1.543	1.424
HORIZONTAL SPREAD	:	1.688	1.688	1.688
VERTICAL SPREAD	:	3.244	2.372	1.606
EXTREME SPREAD	:	3.249	2.751	2.123
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225335

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS= 1.339

VS= 2.828

GS= 2.887

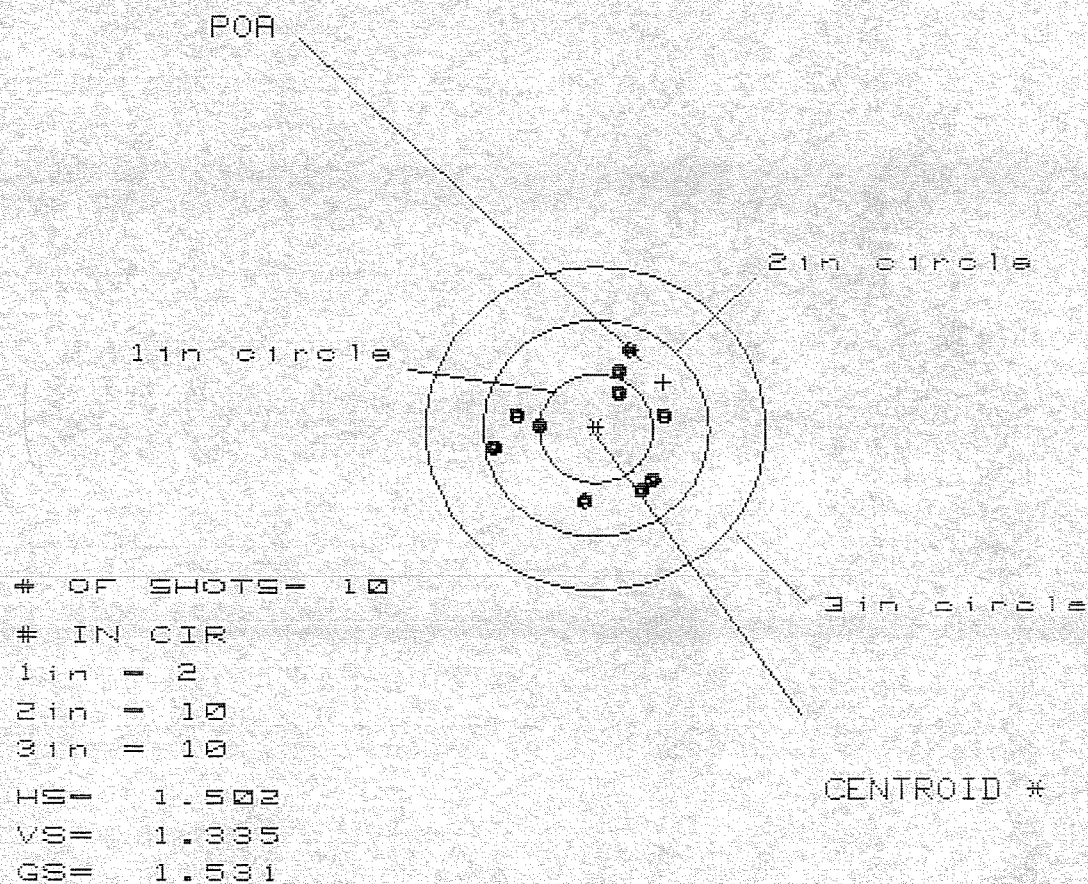
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.455	.502	.397
MINIMUM X	:	-.884	-.837	-.324
MAXIMUM Y	:	1.324	1.157	1.266
MINIMUM Y	:	-1.504	-1.244	-1.135
CENTROID X	:	-.239	-.286	-.181
CENTROID Y	:	-.605	-.438	-.547
POA TO CENTROID in.	:	.651	.523	.576
MIN RADIUS	:	.047	.147	.120
MEAN RADIUS	:	.746	.659	.554
MAX RADIUS	:	1.561	1.246	1.285
HORIZONTAL SPREAD	:	1.339	1.339	.721
VERTICAL SPREAD	:	2.828	2.401	2.401
EXTREME SPREAD	:	2.887	2.401	2.401
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225335

CENTERFIRE PATTERNS # 5



PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.605	.505	.533
MINIMUM X	:	-.897	-.799	-.770
MAXIMUM Y	:	.698	.681	.572
MINIMUM Y	:	-.637	-.654	-.569
CENTROID X	:	-.598	-.498	-.526
CENTROID Y	:	-.431	-.414	-.499
POA TO CENTROID in.	:	.737	.648	.725
MIN RADIUS	:	.358	.312	.400
MEAN RADIUS	:	.652	.612	.600
MAX RADIUS	:	.910	.815	.809
HORIZONTAL SPREAD	:	1.502	1.304	1.304
VERTICAL SPREAD	:	1.335	1.335	1.141
EXTREME SPREAD	:	1.531	1.416	1.388
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	10		
NUMBER IN THREE INCH CIRCLE	=	10		