

C6225604

MODEL 700™ M24

Model 545™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington®

Smith®

No. 7-152-5L

LOS ANGELES, CHICAGO, LOS AN, OH
MCGREGOR, TX, LOCUST GROVE, GA
U.S.A.

Arm 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: **RE00092200** Serial: C6225604 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 06/21/1989 Repairman: Status: Closed 2/17/2005 7:07:57 AM

Verify Repair

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

EFL: ☐ ☐ ☐ ☐ ☐ ☐

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
A026	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

negleij 2/7/2005 11:06 AM CAPS NUM IIS SSPL

start 3 3 3 3

Serial Number: **C6225604**

Model: **M24 SWS**



RE00092200

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

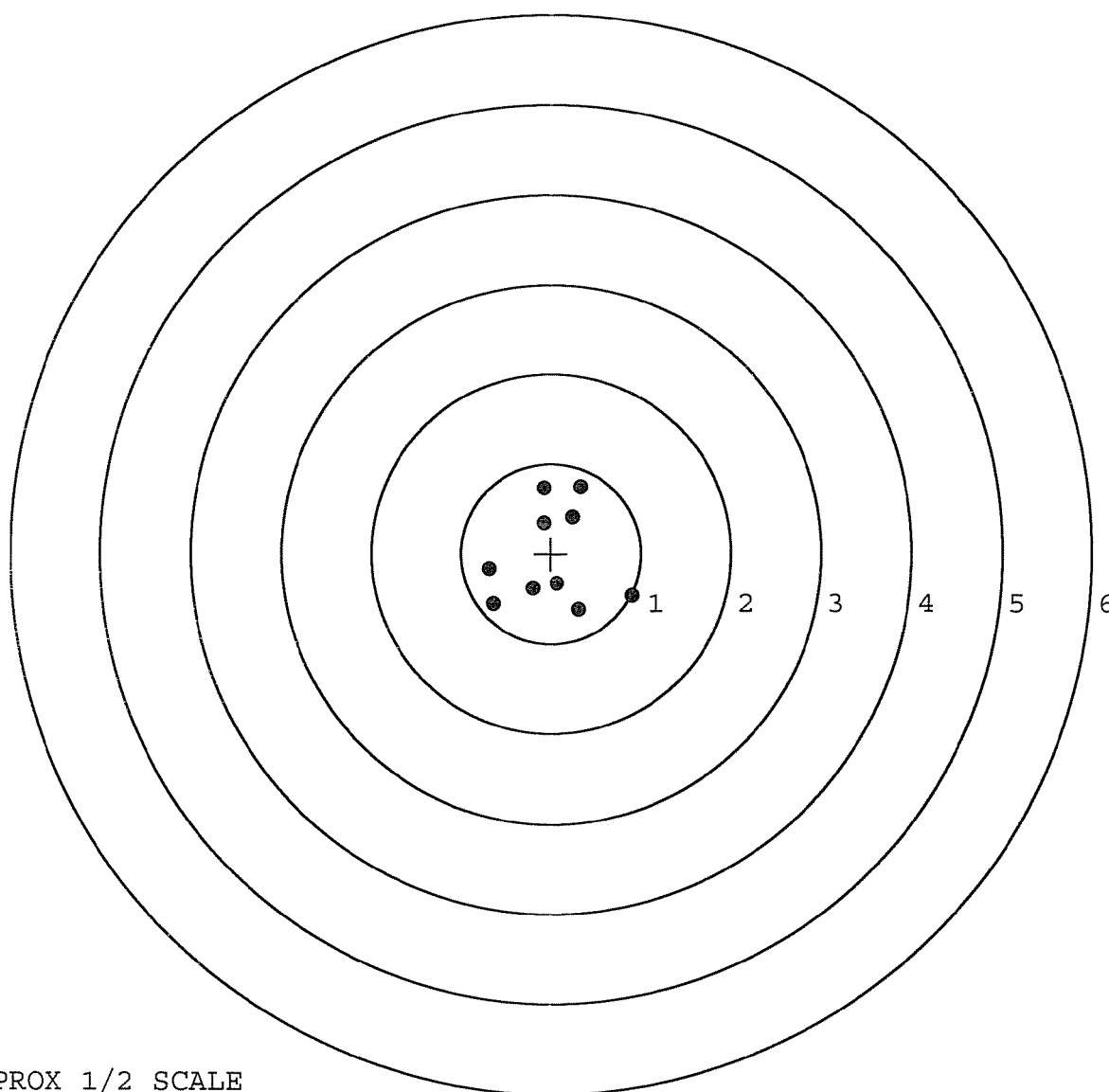
FIREARM SERIAL NUMBER / DATASET NAME: C6225604.___0
FILE DATE AND TIME: 08/09/2005 11:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.047
The Average Y Centroid of the Five Target Set:	-0.050
The Average Point of Impact of the Five Target Set:	0.068
The Average Mean Radius of the Five Target Set:	0.887
The Distance from POA to Centroid Target #1:	0.036
The Distance from Centroid Target #2 to Centroid Target #1:	0.546
The Distance from Centroid Target #3 to Centroid Target #1:	0.354
The Distance from Centroid Target #4 to Centroid Target #1:	0.113
The Distance from Centroid Target #5 to Centroid Target #1:	0.175

BARBER - M24 0052293

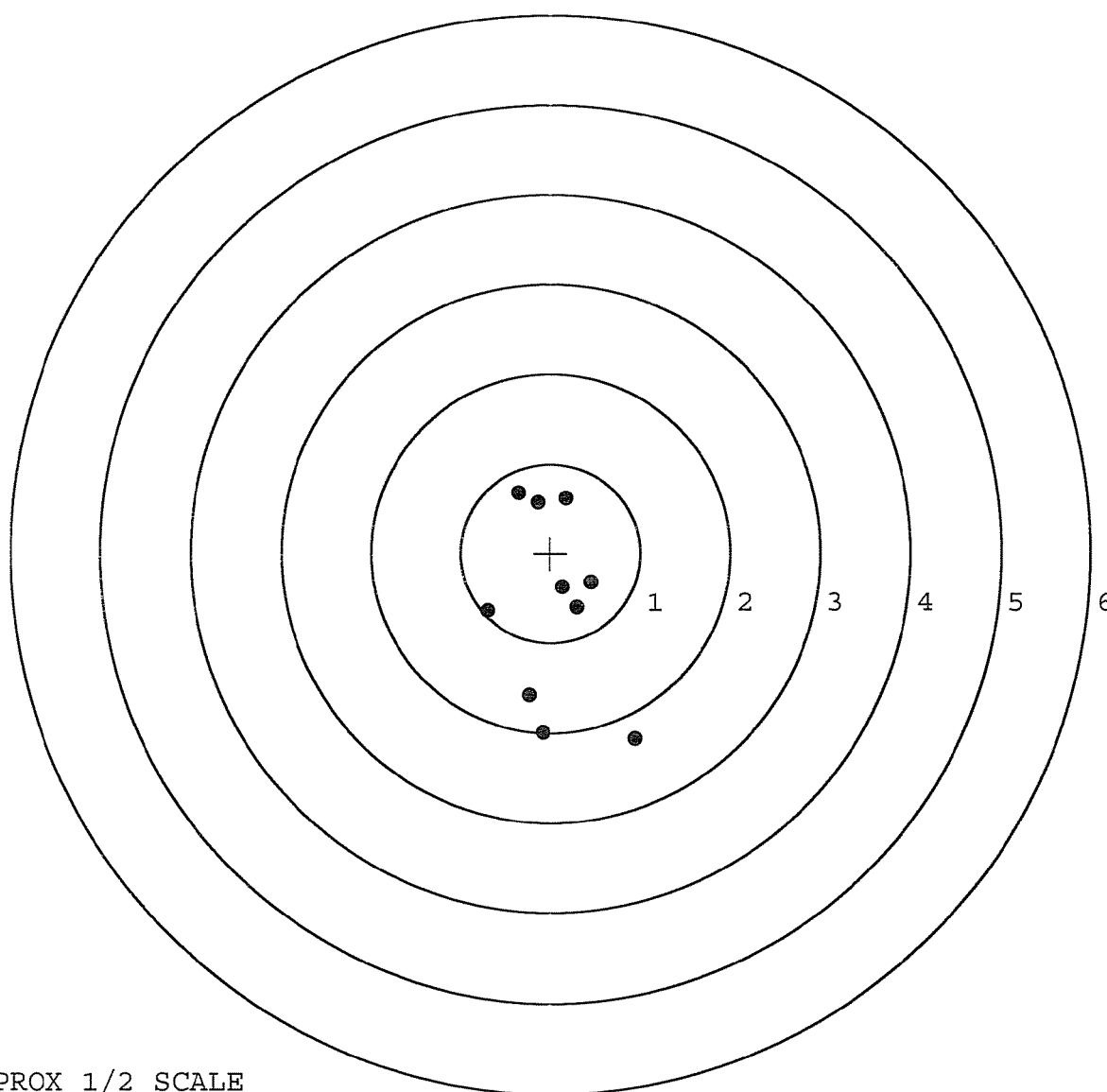
SERIAL NUMBER: C6225604. 0	POINT#	X	Y
TARGET NUMBER: 1	1:	0.903	-0.469
FILE DATE: 08/09/2005	2:	0.308	-0.623
FILE TIME: 11:27	3:	0.068	-0.340
	4:	-0.202	-0.389
X CENTROID: 0.015	5:	-0.690	-0.176
Y CENTROID: -0.033	6:	-0.641	-0.561
POA TO CENTROID: 0.036	7:	0.331	0.744
HORZ SPREAD: 1.593	8:	-0.082	0.729
VERT SPREAD: 1.367	9:	0.242	0.410
GROUP SPREAD: 1.620	10:	-0.084	0.345
MIN RADIUS: 0.311			
MAX RADIUS: 0.989			
MEAN RADIUS: 0.643			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 10			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0052294

SERIAL NUMBER: C6225604. __0	POINT#	X	Y
TARGET NUMBER: 2	1:	0.450	-0.332
FILE DATE: 08/09/2005	2:	0.296	-0.608
FILE TIME: 11:27	3:	0.137	-0.381
	4:	0.178	0.616
X CENTROID: 0.048	5:	-0.144	0.568
Y CENTROID: -0.578	6:	-0.356	0.679
POA TO CENTROID: 0.580	7:	0.944	-2.068
HORZ SPREAD: 1.648	8:	-0.085	-2.006
VERT SPREAD: 2.747	9:	-0.236	-1.591
GROUP SPREAD: 3.039	10:	-0.704	-0.653
MIN RADIUS: 0.216			
MAX RADIUS: 1.739			
MEAN RADIUS: 0.960			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 4			
# in 3 IN DIAMETER: 9			



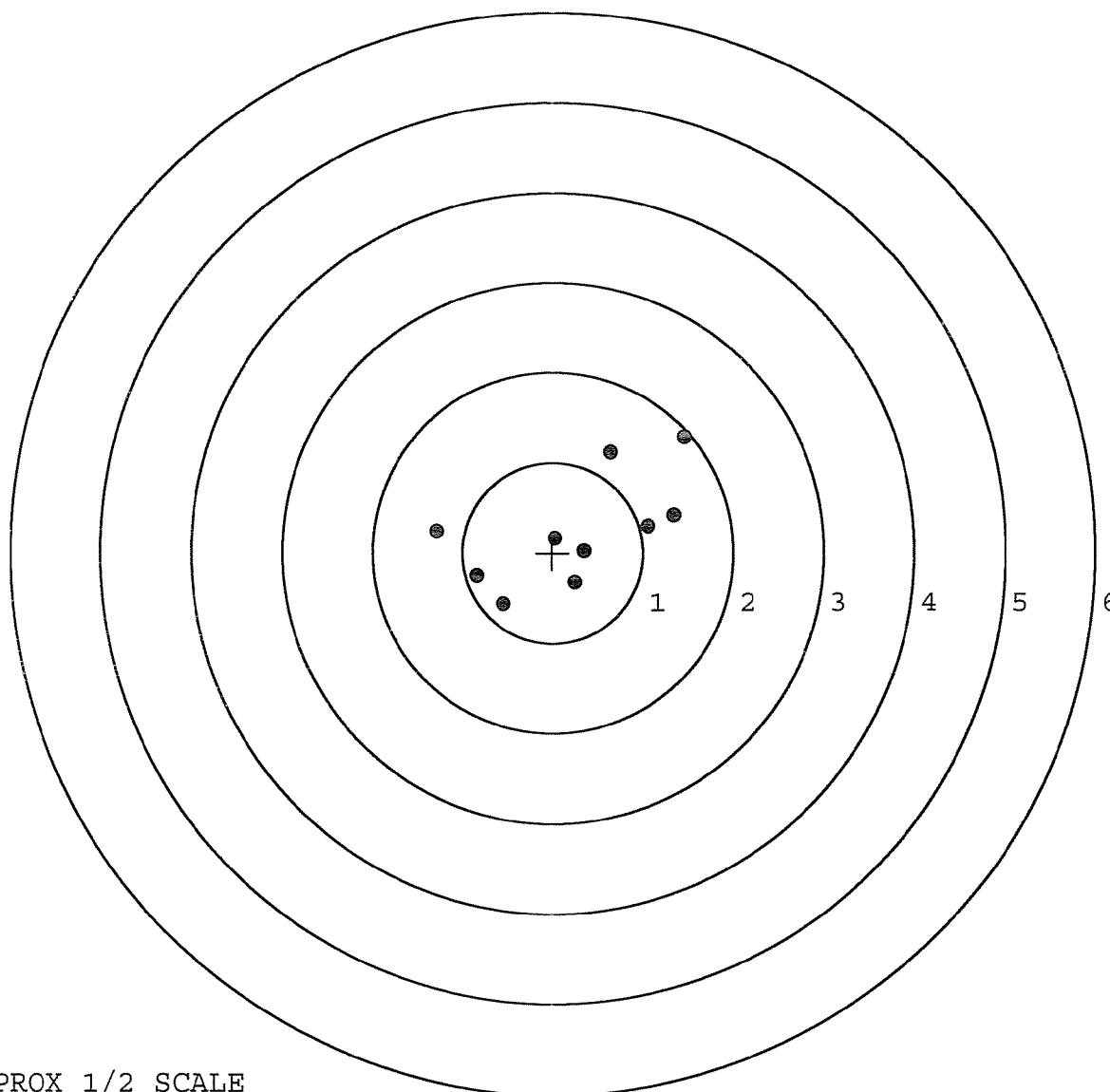
TARGET APPROX 1/2 SCALE

BARBER - M24 0052295

SERIAL NUMBER: C6225604.____0
TARGET NUMBER: 3
FILE DATE: 08/09/2005
FILE TIME: 11:27

X CENTROID: 0.245
Y CENTROID: 0.236
POA TO CENTROID: 0.340
HORZ SPREAD: 2.751
VERT SPREAD: 1.848
GROUP SPREAD: 2.940
MIN RADIUS: 0.227
MAX RADIUS: 1.599
MEAN RADIUS: 0.938
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

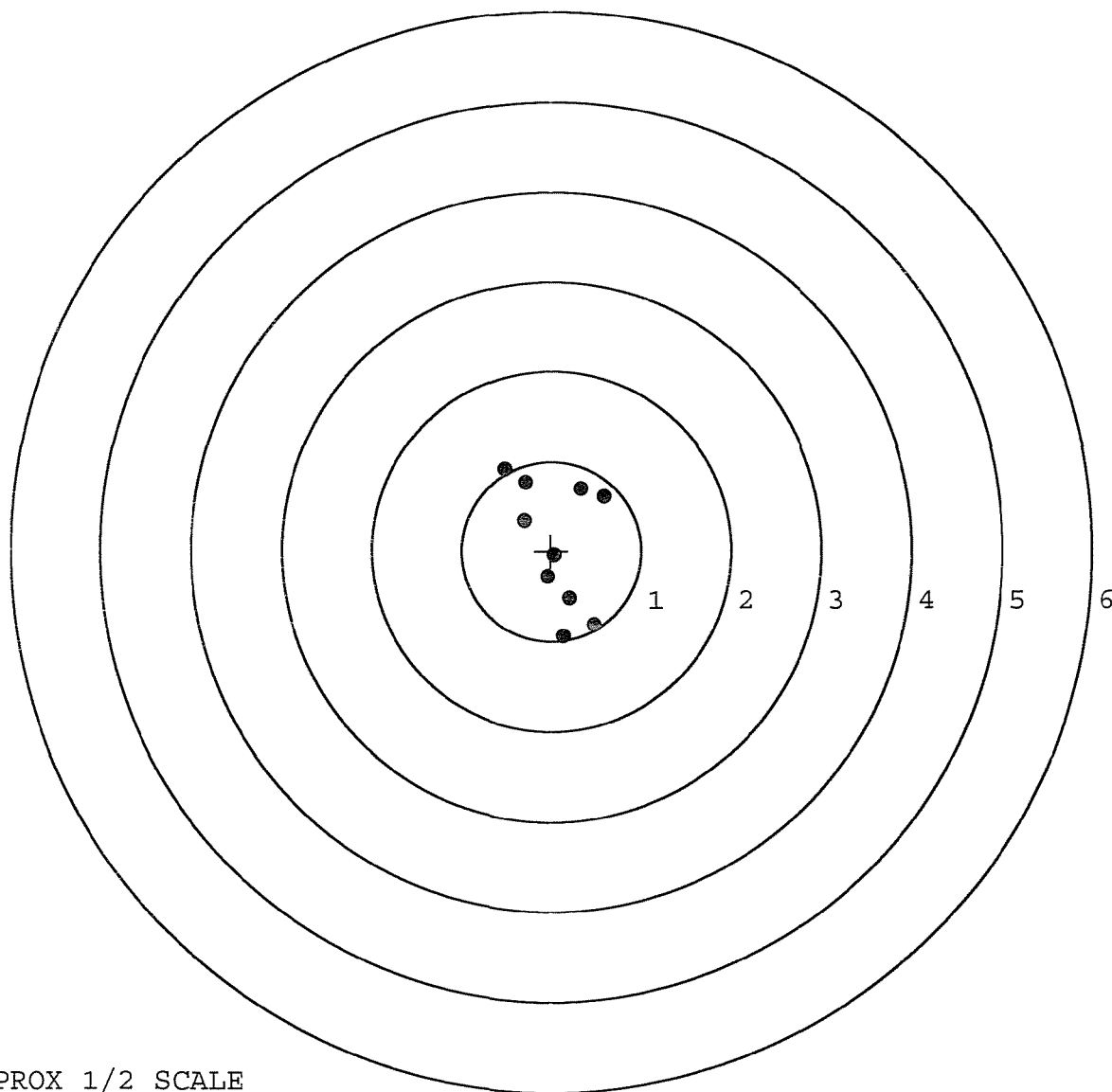
POINT#	X	Y
1:	1.345	0.420
2:	1.054	0.294
3:	0.249	-0.333
4:	0.353	0.023
5:	0.029	0.165
6:	-0.548	-0.572
7:	-0.843	-0.256
8:	-1.292	0.238
9:	1.459	1.276
10:	0.640	1.107



TARGET APPROX 1/2 SCALE

BARBER - M24 0052296

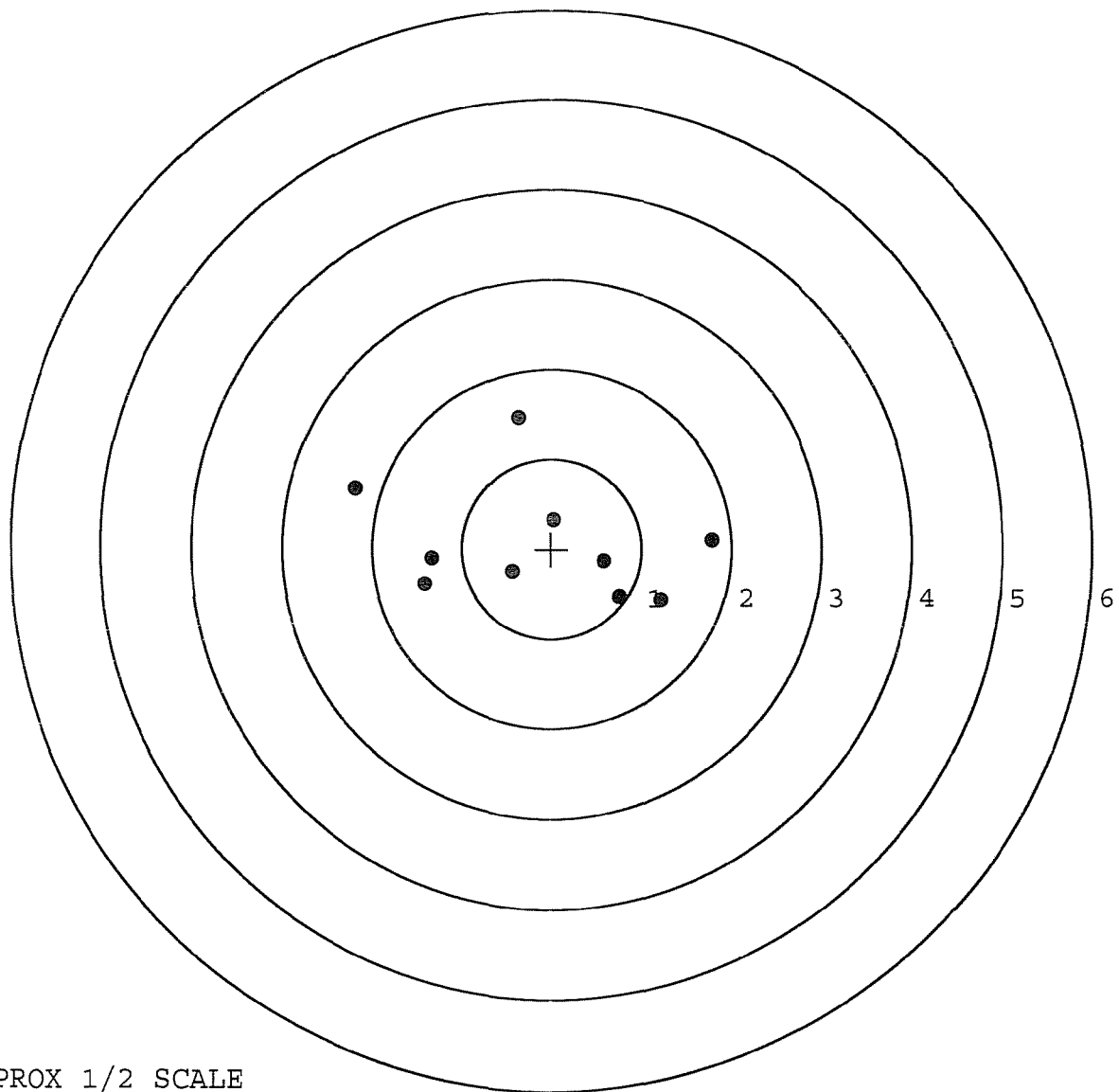
SERIAL NUMBER: C6225604.____0	POINT#	X	Y
TARGET NUMBER: 4	1:	0.477	-0.820
FILE DATE: 08/09/2005	2:	0.139	-0.947
FILE TIME: 11:27	3:	0.205	-0.532
	4:	-0.045	-0.289
	5:	0.034	-0.047
X CENTROID: 0.061	6:	0.587	0.608
Y CENTROID: 0.070	7:	0.333	0.698
POA TO CENTROID: 0.093	8:	-0.306	0.344
HORZ SPREAD: 1.105	9:	-0.292	0.768
VERT SPREAD: 1.865	10:	-0.518	0.918
GROUP SPREAD: 2.003			
MIN RADIUS: 0.120			
MAX RADIUS: 1.027			
MEAN RADIUS: 0.682			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0052297

SERIAL NUMBER: C6225604. __0	POINT#	X	Y
TARGET NUMBER: 5	1:	1.225	-0.568
FILE DATE: 08/09/2005	2:	1.784	0.096
FILE TIME: 11:27	3:	0.758	-0.538
	4:	0.582	-0.136
X CENTROID: -0.136	5:	-0.436	-0.252
Y CENTROID: 0.054	6:	0.030	0.330
POA TO CENTROID: 0.147	7:	-0.368	1.454
HORZ SPREAD: 3.968	8:	-2.184	0.669
VERT SPREAD: 2.022	9:	-1.338	-0.112
GROUP SPREAD: 4.009	10:	-1.418	-0.399
MIN RADIUS: 0.322			
MAX RADIUS: 2.138			
MEAN RADIUS: 1.211			
# IN 1 IN DIAMETER: 2			
# IN 2 IN DIAMETER: 3			
# in 3 IN DIAMETER: 8			



TARGET APPROX 1/2 SCALE

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

R. & E NUMBER	92200		
SERIAL NUMBER	C6225604		
LOG-IN DATE	2-1-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-13-05	RTZ
560 A	RE-BARREL	6-20-05	RTZ
B	DRILL AND TAP	6-22-05	TRW
575	ASSEMBLE	6-20-05	RTZ
600	PROOF	6-22-05	AC
605	CHECK HEADSPACE	6-22-05	AC
610	DIS-ASSEMBLE GUN	6-22-05	RTZ
612	MAGNAFLUX <i>unus</i>	6/23/05	<i>unus</i>
615	ROLLMARK CALIBER	6-23-05	CW
618	ROTO-BLAST	7/7/05	JS
620	APPLY COATINGS	7-18-05	WJ
625 A	FINAL ASSEMBLY	8-3-05	RTZ
B	TRIGGER PULL TEST	8-15-05	AC
C	SAFETY "ON" FORCE	8-15-05	AC
D	SAFETY "OFF" FORCE	8-15-05	AC
E	FIRING PIN INDENT	8-15-05	AC
640	TARGET	8-9-05	TRW
655	FINAL INSPECT	8-15-05	AC
660	PACK	9-19-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®



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

MODEL 700™ M24

SERIAL NO.
C6225604

ORDER NO.
5716

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

01



5716 C6225604

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225604

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 4	89	RW
600	Proof	4 4	89	RW
607	Check Headspace	4 4	89	RW
610	Dis-assemble Gun	4 4	89	RW
612	Magnaflux Barrel Action	4-6	89	KCR
	Magnaflux Bolt	4-7	89	KCR
615	Rollmark Caliber	4-7	89	GS
617	Drill and Tap Sight Holes	4 7	89	JB
618	Polish Barrel	4 7	89	BT
620	Apply Coatings (Barrel Action)		4-19-89	TSA
	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

BARBER - M24 0052301

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/3/89	JU
	G) Safety Off Force	3	3	3			5/3/89	JU
	H) Trigger Pull Test & Retainability						5/3/89	WJB
	I) Firing Pin Indent	.020	.020	.020			5/3/89	JCE
	J) Assemble Stock						5/4/89	RW
	K) Assemble Swivel Studs						13 May 89	JU
	L) Attach Front and Rear Sight Assemblies						5/4/89	RW
	M) Iron Sight Alignment						5/4/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/4/89	RW
	O) Attach Scope to Rifle						5/4/89	JU
	P) Detach & Attach Scope 20 Times						5/4/89	JU
640	Gallery Target & Test	91 R	62 L				5/5/89	DAH
	A) Time						5/5/89	DAH
	B) Malfunctions						5/5/89	DAH
	C) Pierced Primers						5/5/89	DAH
	D) Optical Clarity of Scope						5/5/89	DAH
645	Inspect for Live Ammo						5/5/89	DAH
655	Final Inspection							
	A) Headspace						15 May 89	JU
	B) Trigger Pull	2.84	2.78	2.72	2.80	2.69	15 May 89	JU
	C) Function						15 May 89	JU
660	Pack						27 June 89	JU

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. 46225604DATE 3-28-90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.50	2.51	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.37	2.47	
PULL #3	2.38	2.52	2.45	
PULL #4	2.49	2.50	2.44	
PULL #5	2.49	2.51	2.36	
TOTAL	12.25	12.41	12.25	
AVG.	2.45	2.482	2.45	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.29	3.12	
PULL #2	3.30	3.32	
PULL #3	3.32	3.10	
PULL #4	3.27	3.19	
PULL #5	3.30	3.25	
TOTAL	16.48	15.98	
AVG.	3.296	3.196	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.42	4.29		
PULL #2	4.33	4.40		
PULL #3	4.30	4.46		
PULL #4	4.42	4.46		
PULL #5	4.47	4.44		
TOTAL	21.94	22.05		
AVG.	4.398	4.41		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225604
5 May 1989

CENTROIDAL DISTANCES

0 TO	1	.169614
1 TO	2	.315886
1 TO	3	.673751
1 TO	4	.171593
1 TO	5	.214674

45^3
+2 <----POA

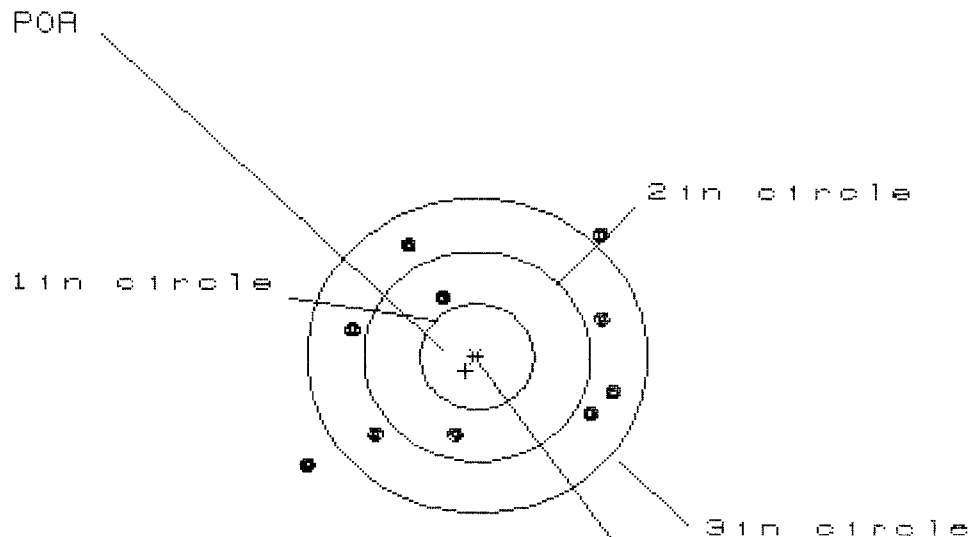
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .295
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .149
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .338494

THE AMR FOR THIS RIFLE IS: 1.145

5 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225604

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 0

2in = 2

3in = 8

HS = 2.732

VS = 2.226

GS = 3.420

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.243	1.077	1.195
MINIMUM X	:	-1.489	-1.274	-1.156
MAXIMUM Y	:	1.188	1.072	1.086
MINIMUM Y	:	-1.038	-.885	-.751
CENTROID X	:	.100	.266	.148
CENTROID Y	:	.137	.253	.119
POA TO CENTROID in.	:	.170	.367	.190
MIN RADIUS	:	.622	.618	.659
MEAN RADIUS	:	1.202	1.124	1.073
MAX RADIUS	:	1.815	1.427	1.245
HORIZONTAL SPREAD	:	2.732	2.351	2.351
VERTICAL SPREAD	:	2.226	1.957	1.837
EXTREME SPREAD	:	3.420	2.786	2.414
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	2		
NUMBER IN THREE INCH CIRCLE	=	8		

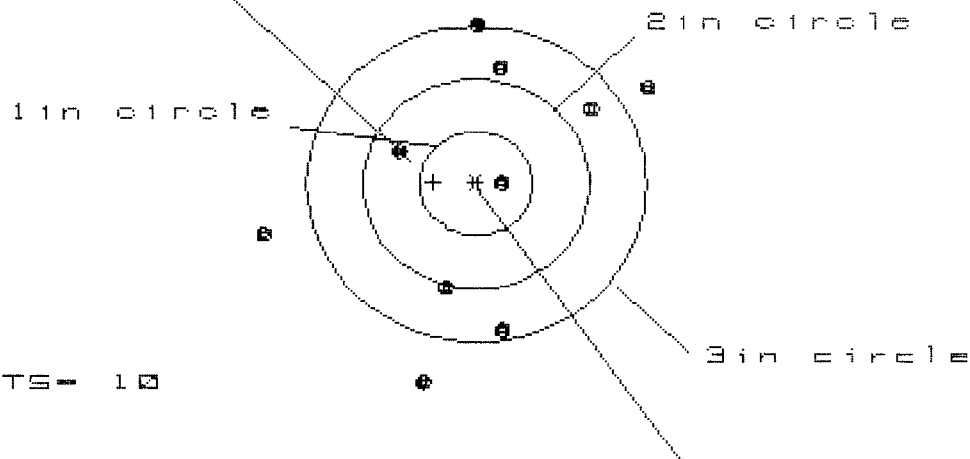
5 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225604

CENTERFIRE PATTERNS

2

POA



OF SHOTS - 10

IN CIR

1in = 1

2in = 2

3in = 7

HS = 3.420

VS = 3.349

GS = 3.696

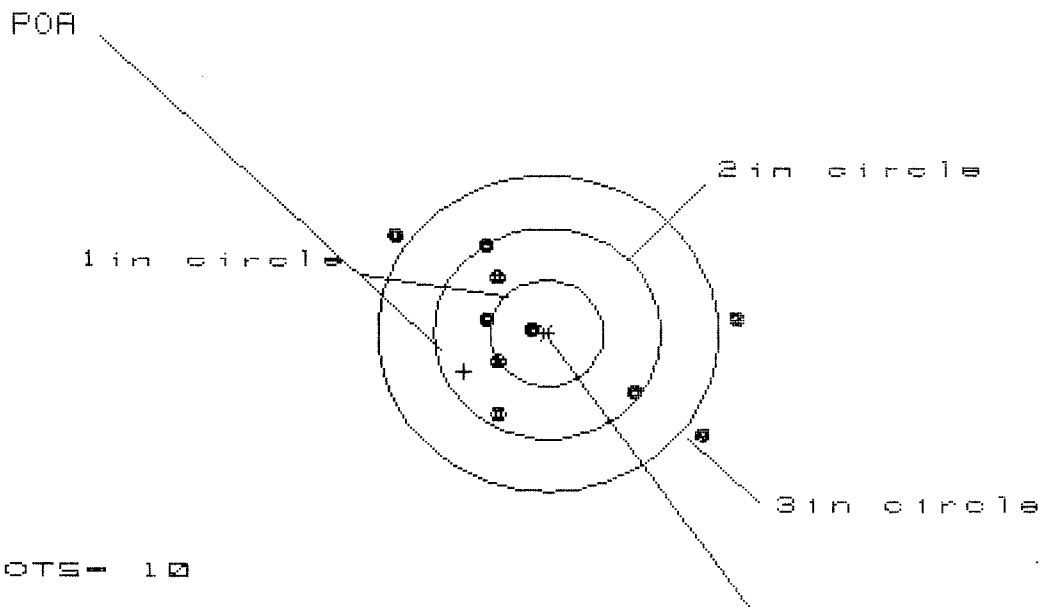
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.513	1.301	1.216
MINIMUM X	:	-1.907	-.876	-.961
MAXIMUM Y	:	1.499	1.449	1.211
MINIMUM Y	:	-1.850	-1.900	-1.628
CENTROID X	:	.378	.590	.675
CENTROID Y	:	-.013	.037	.275
POA TO CENTROID in.	:	.378	.591	.728
MIN RADIUS	:	.240	.030	.260
MEAN RADIUS	:	1.298	1.192	1.078
MAX RADIUS	:	1.960	2.017	1.630
HORIZONTAL SPREAD	:	3.420	2.177	2.177
VERTICAL SPREAD	:	3.349	3.349	2.839
EXTREME SPREAD	:	3.696	3.428	2.844
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

5 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CG225604

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 7

HS= 3.042

VS= 1.907

GS= 3.329

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.662	1.508	1.384
MINIMUM X	:	-1.380	-.645	-.456
MAXIMUM Y	:	.942	.969	.996
MINIMUM Y	:	-.965	-.861	-.834
CENTROID X	:	.734	.888	.699
CENTROID Y	:	.365	.261	.234
POA TO CENTROID in.	:	.820	.925	.737
MIN RADIUS	:	.096	.279	.169
MEAN RADIUS	:	.969	.925	.791
MAX RADIUS	:	1.671	1.524	1.616
HORIZONTAL SPREAD	:	3.042	2.153	1.840
VERTICAL SPREAD	:	1.907	1.830	1.830
EXTREME SPREAD	:	3.329	2.592	2.592
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	7		

5 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225604

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 7

HS= 3.354

VS= 1.852

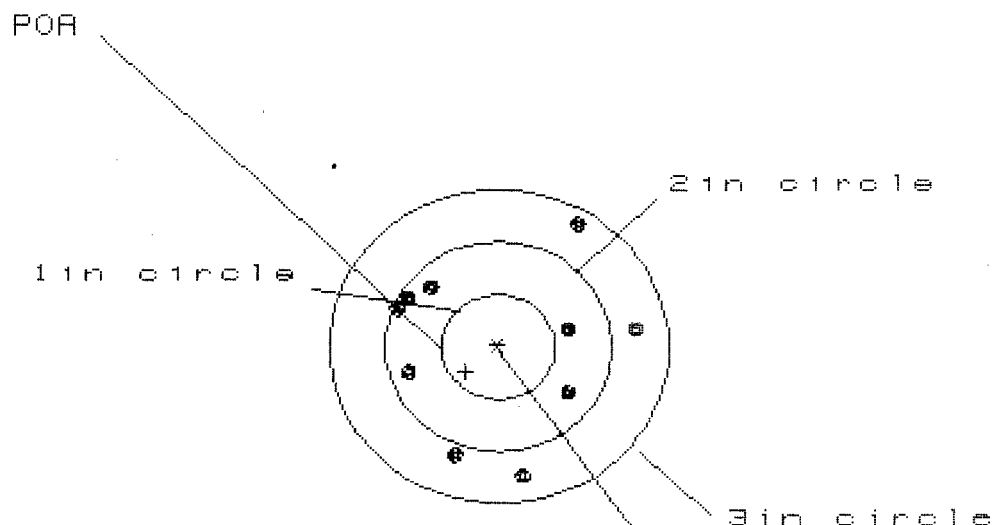
GS= 3.378

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.791	1.776	1.605
MINIMUM X	:	-1.573	-1.374	-1.438
MAXIMUM Y	:	1.010	1.044	1.124
MINIMUM Y	:	-.842	-.808	-.728
CENTROID X	:	-.030	-.229	-.058
CENTROID Y	:	.025	-.009	-.089
POA TO CENTROID in.	:	.039	.230	.106
MIN RADIUS	:	.507	.306	.466
MEAN RADIUS	:	1.271	1.177	1.136
MAX RADIUS	:	1.817	1.776	1.606
HORIZONTAL SPREAD	:	3.364	3.150	3.043
VERTICAL SPREAD	:	1.852	1.852	1.852
EXTREME SPREAD	:	3.378	3.217	3.055
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

5 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C62256B4

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in - 0

2in - 6

3in = 10

HS = 2.173

VS = 2.355

GS = 2.481

CENTROID #

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.256	1.333	.900
MINIMUM X	:	-.917	-.840	-.674
MAXIMUM Y	:	1.166	.669	.702
MINIMUM Y	:	-1.189	-1.060	-1.027
CENTROID X	:	.293	.215	.049
CENTROID Y	:	.231	.102	.069
POA TO CENTROID in.	:	.373	.238	.085
MIN RADIUS	:	.610	.676	.507
MEAN RADIUS	:	.985	.935	.860
MAX RADIUS	:	1.357	1.358	1.136
HORIZONTAL SPREAD	:	2.173	2.173	1.574
VERTICAL SPREAD	:	2.355	1.729	1.729
EXTREME SPREAD	:	2.481	2.188	1.958
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		