

C6348974

MODEL 700™ M24

Model **S&S**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



BARBER - M24 0042984



RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

115 - FAMILY SAFETY MAGAZINE

COPY "O" (OFFICIAL) ☐ "X" (EXTRA) ☒

TOTAL RETENTION: MAX. 10 YEARS

1981 - 1991

GS-11050 Rev. 8/78

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0042984 3023

BARBER - M24 0042985

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: **RE00092944** Serial: **C6348974** Model: **M24 SWS** Center Fire
Caliber: **7.62 NATO** Produced: **12/13/1989**

Repairman: [] Status: **Closed: 2/10/2005 1:42:22 PM**

Address Information

Customer: ☐ Received From: ☒ Return To: ☐ Received From: ☐

Name: **DEF DIST DEPOT ANNISTON** **DEF DIST DEPOT ANNISTON**

Address 1: [] Address 2: [] PG Box: [] PO Box: []

City: **ANNISTON** **ANNISTON**

State: **AL** Zip Code: **36201 4199** Country: **US** State: **AL** Zip Code: **36201 4199** 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
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Front and Rear Sgt Base	1

Repair Search **Refresh** **Close**

naelej 2/14/2005 8:18 AM CAPS NUM INS SCPL

start 5 2 4 Arms Services

Serial Number: **C6348974**

Model: **M24 SWS**



RE00092944

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348974.___0
FILE DATE AND TIME: 06/09/2005 06:34

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

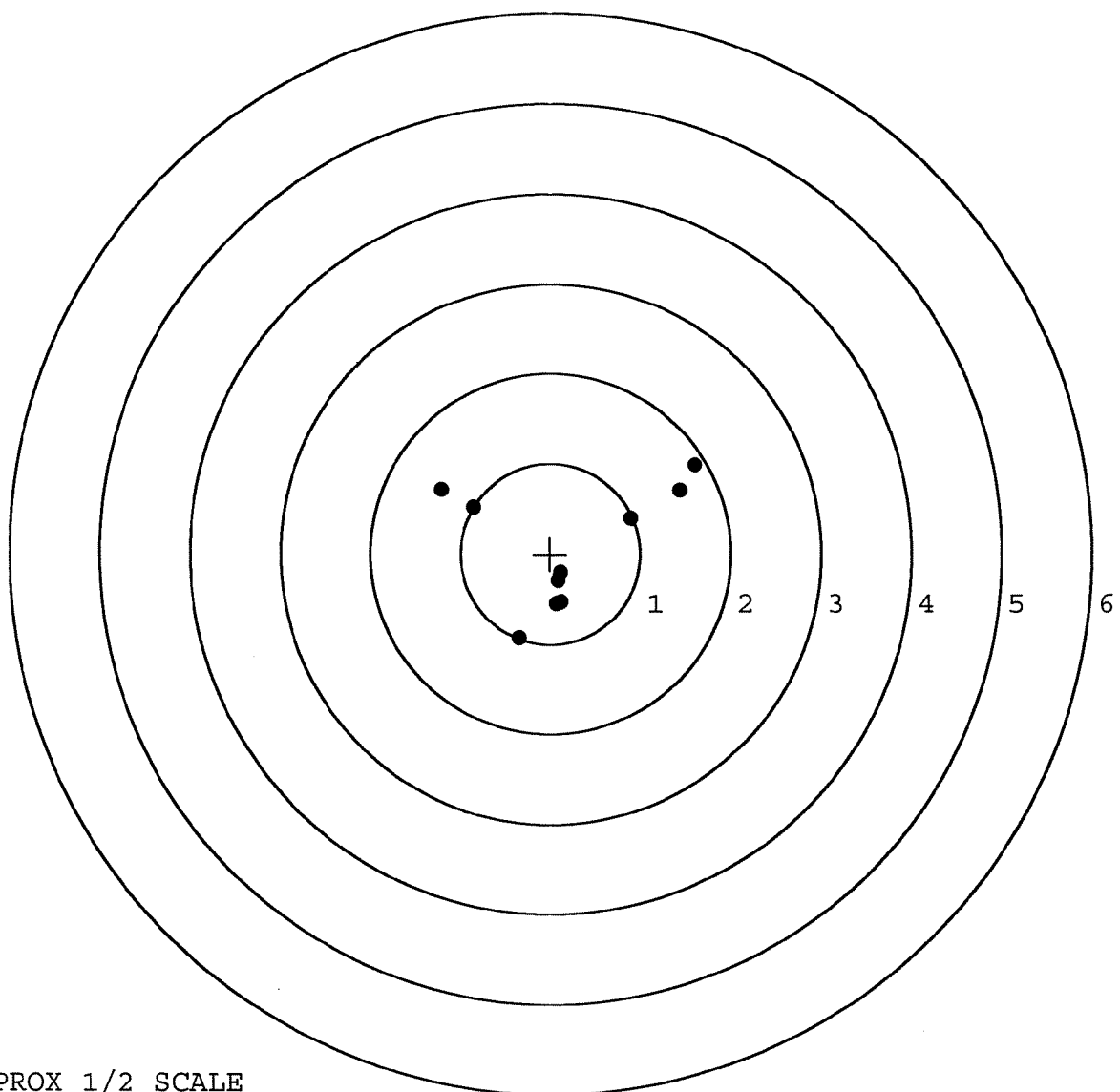
The Average X Centroid of the Five Target Set:	-0.031
The Average Y Centroid of the Five Target Set:	-0.071
The Average Point of Impact of the Five Target Set:	0.077
The Average Mean Radius of the Five Target Set:	0.936
The Distance from POA to Centroid Target #1:	0.206
The Distance from Centroid Target #2 to Centroid Target #1:	0.348
The Distance from Centroid Target #3 to Centroid Target #1:	0.893
The Distance from Centroid Target #4 to Centroid Target #1:	0.351
The Distance from Centroid Target #5 to Centroid Target #1:	0.392

BARBER - M24 0042987

SERIAL NUMBER: C6348974. __0
 TARGET NUMBER: 1
 FILE DATE: 06/09/2005
 FILE TIME: 06:34

POINT#	X	Y
1:	1.602	0.984
2:	1.435	0.701
3:	0.897	0.394
4:	0.117	-0.212
5:	0.122	-0.540
6:	-0.351	-0.934
7:	-0.856	0.519
8:	-1.209	0.711
9:	0.088	-0.300
10:	0.071	-0.554

X CENTROID: 0.192
 Y CENTROID: 0.077
 POA TO CENTROID: 0.206
 HORZ SPREAD: 2.811
 VERT SPREAD: 1.918
 GROUP SPREAD: 2.824
 MIN RADIUS: 0.298
 MAX RADIUS: 1.677
 MEAN RADIUS: 0.962
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 8



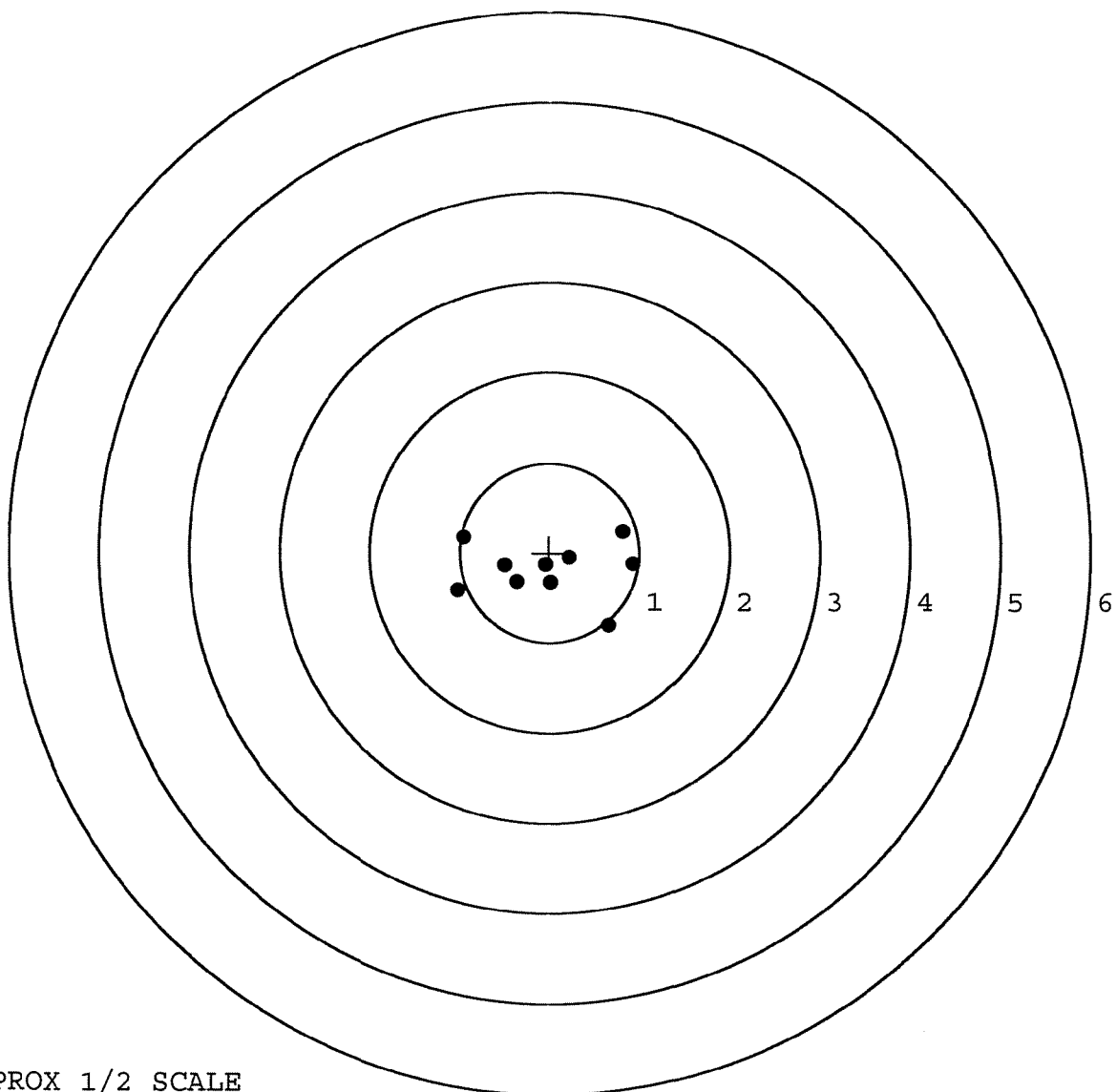
TARGET APPROX 1/2 SCALE

BARBER - M24 0042988

SERIAL NUMBER: C6348974. __0
TARGET NUMBER: 2
FILE DATE: 06/09/2005
FILE TIME: 06:34

POINT#	X	Y
1:	0.663	-0.817
2:	0.930	-0.131
3:	0.816	0.234
4:	-0.957	0.178
5:	-1.022	-0.423
6:	-0.498	-0.145
7:	-0.362	-0.331
8:	0.220	-0.057
9:	0.018	-0.334
10:	-0.042	-0.136

X CENTROID: -0.023
Y CENTROID: -0.196
POA TO CENTROID: 0.198
HORZ SPREAD: 1.952
VERT SPREAD: 1.051
GROUP SPREAD: 1.974
MIN RADIUS: 0.063
MAX RADIUS: 1.024
MEAN RADIUS: 0.618
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



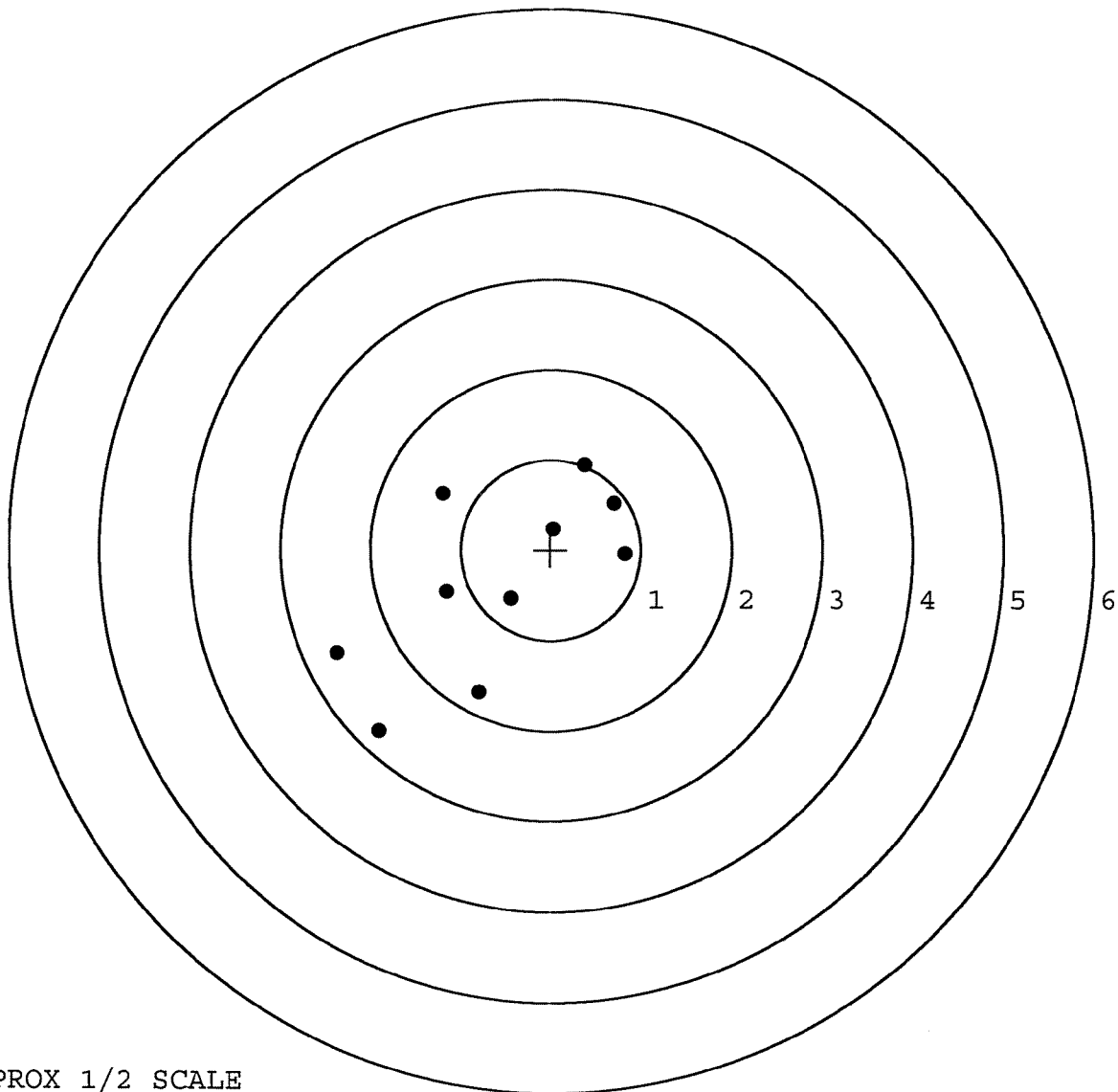
TARGET APPROX 1/2 SCALE

BARBER - M24 0042989

SERIAL NUMBER: C6348974. __0
TARGET NUMBER: 3
FILE DATE: 06/09/2005
FILE TIME: 06:34

POINT#	X	Y
1:	0.822	-0.047
2:	0.705	0.514
3:	0.375	0.942
4:	0.028	0.227
5:	-0.442	-0.543
6:	-1.155	-0.473
7:	-1.195	0.624
8:	-0.796	-1.577
9:	-2.368	-1.153
10:	-1.900	-2.008

X CENTROID: -0.593
Y CENTROID: -0.349
POA TO CENTROID: 0.688
HORZ SPREAD: 3.190
VERT SPREAD: 2.950
GROUP SPREAD: 3.725
MIN RADIUS: 0.245
MAX RADIUS: 2.112
MEAN RADIUS: 1.274
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 6



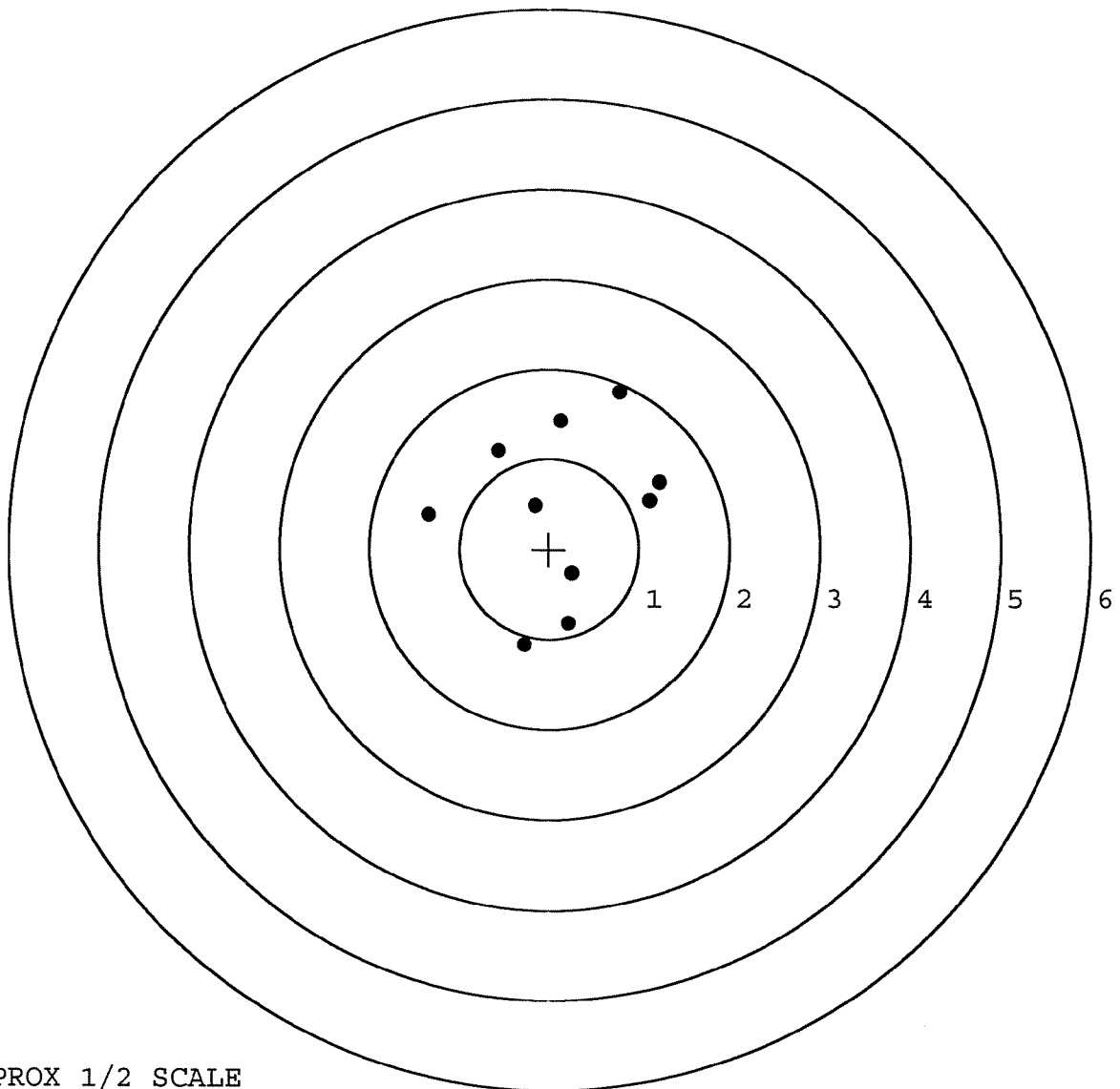
TARGET APPROX 1/2 SCALE

BARBER - M24 0042990

SERIAL NUMBER: C6348974. __0
TARGET NUMBER: 4
FILE DATE: 06/09/2005
FILE TIME: 06:34

POINT#	X	Y
1:	1.224	0.742
2:	1.114	0.539
3:	0.782	1.742
4:	0.131	1.426
5:	-0.157	0.482
6:	-0.570	1.092
7:	-1.344	0.382
8:	0.256	-0.273
9:	0.218	-0.832
10:	-0.279	-1.068

X CENTROID: 0.138
Y CENTROID: 0.423
POA TO CENTROID: 0.445
HORZ SPREAD: 2.568
VERT SPREAD: 2.810
GROUP SPREAD: 3.004
MIN RADIUS: 0.300
MAX RADIUS: 1.548
MEAN RADIUS: 1.085
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 9



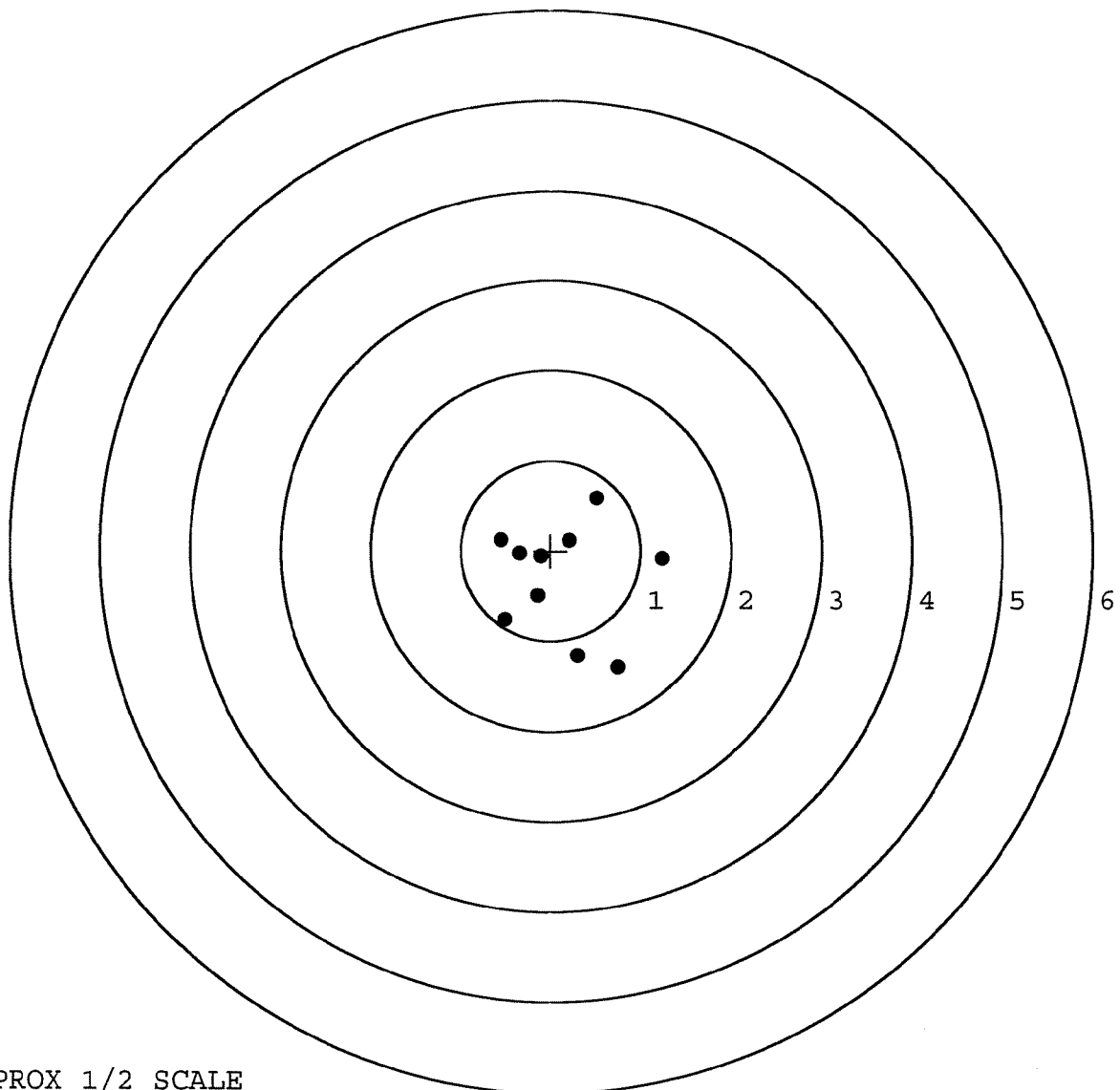
TARGET APPROX 1/2 SCALE

BARBER - M24 0042991

SERIAL NUMBER: C6348974. 0
TARGET NUMBER: 5
FILE DATE: 06/09/2005
FILE TIME: 06:34

POINT#	X	Y
1:	0.751	-1.298
2:	0.303	-1.170
3:	1.238	-0.089
4:	0.512	0.582
5:	0.208	0.118
6:	-0.145	-0.503
7:	-0.513	-0.771
8:	-0.110	-0.065
9:	-0.352	-0.028
10:	-0.555	0.121

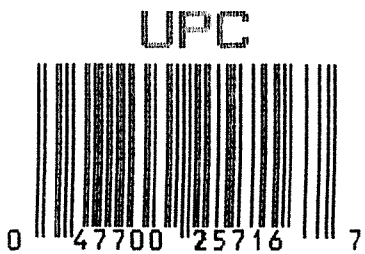
X CENTROID: 0.134
Y CENTROID: -0.310
POA TO CENTROID: 0.338
HORZ SPREAD: 1.793
VERT SPREAD: 1.880
GROUP SPREAD: 1.929
MIN RADIUS: 0.339
MAX RADIUS: 1.165
MEAN RADIUS: 0.742
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



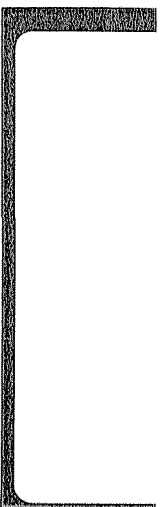
TARGET APPROX 1/2 SCALE

R & E NUMBER	92944		
SERIAL NUMBER	C6348974		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-26-05	RTZ
560 A	RE-BARREL	5-3-05	RTZ
B	DRILL AND TAP	5-5-05	TRW
575	ASSEMBLE	5-3-05	RTZ
600	PROOF	5-4-05	AC
605	CHECK HEADSPACE	5-4-05	AC
610	DIS-ASSEMBLE GUN	5-3-05	RTZ
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	5-9-05	CW
618	ROTO-BLAST	5-9-05	LB
620	APPLY COATINGS	5-16-05	WJ
625 A	FINAL ASSEMBLY	6-8-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	6-15-05	AC
D	SAFETY "OFF" FORCE	6-15-05	AC
E	FIRING PIN INDENT	6-15-05	AC
640	TARGET	6-9-05	AC
655	FINAL INSPECT	6-15-05	AC
660	PACK	7-6-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

BARBER - M24 004293



Remington REG. U.S. PAT. & TM. OFF.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6348974
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716
 5716 C6348974		



CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 004299943032

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348974

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14	89	RW
600	Proof	9 14	89	RW
607	Check Headspace	9 14	89	RW
610	Dis-assemble Gun	9 14	89	RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9-15-89	GS
7	Drill and Tap Sight Holes	9 15	89	FB
618	Polish Barrel	9 15	89	BT
620	Apply Coatings (Barrel Action)		9-15-89	YJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/26/89	928

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			10/3/89	JD
	G) Safety Off Force	3	3	3			10/3/89	JD
	H) Trigger Pull Test & Retainability						26-189	JD
	I) Firing Pin Indent	.0205	.0205	.0205			10/3/89	JD
	J) Assemble Stock						10/13/89	RW
	K) Assemble Swivel Studs						18-189	JD
	L) Attach Front and Rear Sight Assemblies						10/13/89	RW
	M) Iron Sight Alignment						10/13/89	RW
	N) Detach Front & Rear Sights & place in numbered container						10/13/89	RW
	O) Attach Scope to Rifle						10/13/89	JD
	P) Detach & Attach Scope 20 Times						10/13/89	JD
640	Gallery Target & Test						10-16-89	AC
	A) Time						10-16-89	AC
	B) Malfunctions						10-16-89	AC
	C) Pierced Primers						10-16-89	AC
	D) Optical Clarity of Scope						10-16-89	AC
645	Inspect for Live Ammo						10-16-89	AC
655	Final Inspection						18-189	JD
	A) Headspace						18-189	JD
	B) Trigger Pull	276	271	271	275	285	18-189	JD
	C) Function						18-189	JD
660	Pack						18-Dec-89	JD

SWS TRIGGER PULL TEST

BARBER - M24 0042996

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6348994

DATE 14 MAR 90

TESTER DS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	254	255		243	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	246	245		241	
PULL #3	236	248		241	
PULL #4	242	241		236	
PULL #5	240	246		241	
TOTAL	1218	1235			
AVG.	2436	247			

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	298	290		
PULL #2	285	299		
PULL #3	294	308		
PULL #4	300	298		
PULL #5	292	297		
TOTAL	1469	1492		
AVG.	2938	2984		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	381	398		
PULL #2	390	392		
PULL #3	394	402		
PULL #4	389	391		
PULL #5	383	395		
TOTAL	1937	1978		
AVG.	3874	3956		

BARBER - M24 0042997

W

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KINZER V. REMINGTON**

BARBER - M24 004299743036

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348974
16 Oct 1989

CENTROIDAL DISTANCES

Ø TO	1	.508485
1 TO	2	.475946
1 TO	3	.999324
1 TO	4	.522771
1 TO	5	.697817

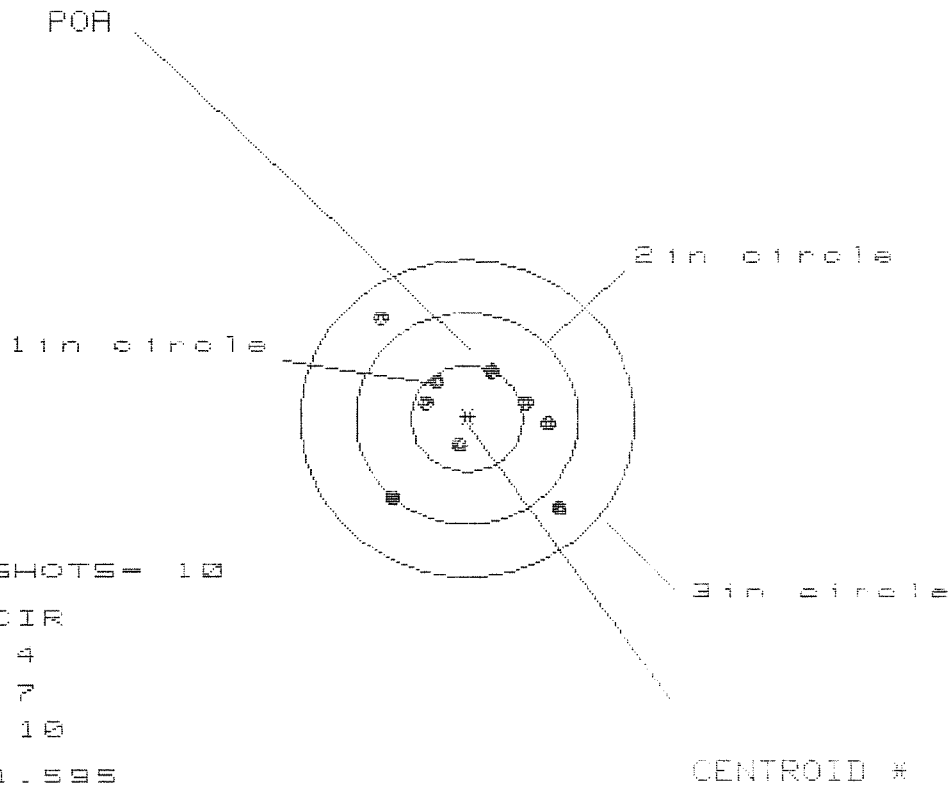
$\frac{5}{4} t_2^3$ (----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.156
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0852
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .17775
THE AMR FOR THIS RIFLE IS: .7944

18 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348974

CENTERFIRE PATTERNS # 1

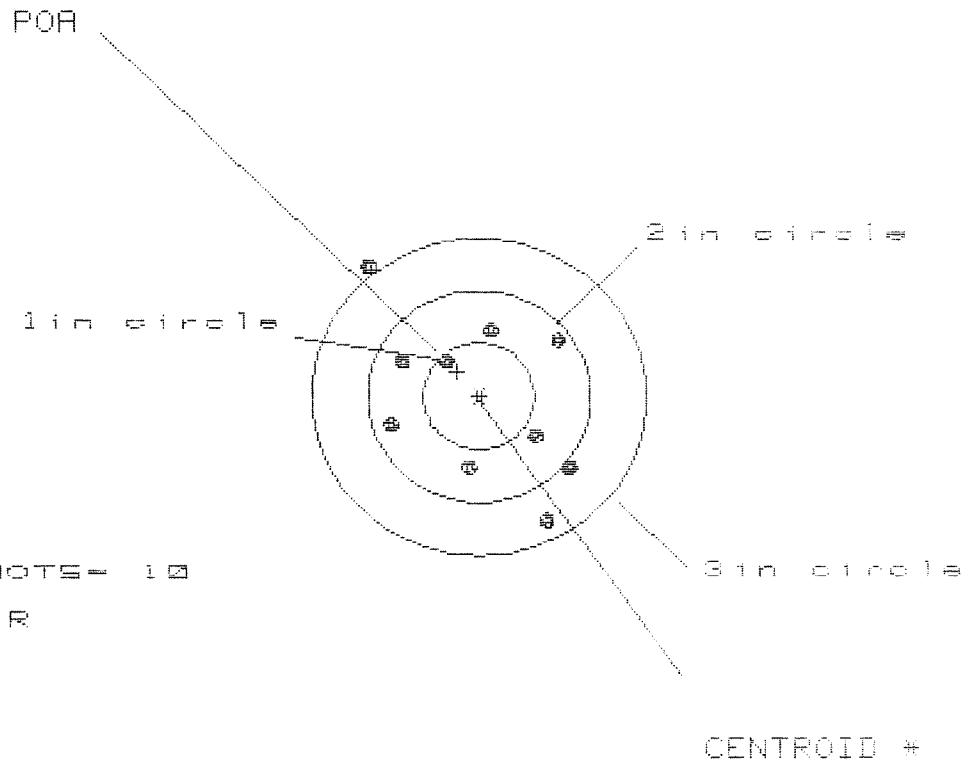


PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.819	.732	.735
MINIMUM X	-.776	-.804	-.712
MAXIMUM Y	.908	.557	.467
MINIMUM Y	-.817	-.716	-.691
CENTROID X	-.229	-.142	-.234
CENTROID Y	-.454	-.555	-.465
POA TO CENTROID in.	.508	.573	.521
MIN RADIUS	.236	.226	.224
MEAN RADIUS	.645	.586	.512
MAX RADIUS	1.195	1.024	.992
HORIZONTAL SPREAD	1.595	1.536	1.447
VERTICAL SPREAD	1.725	1.273	1.158
EXTREME SPREAD	2.349	1.586	1.586
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

16 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8348974

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 1.785

VS= 2.393

GS= 2.874

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.835	.730	.797
MINIMUM X	:	-.950	-.911	-.844
MAXIMUM Y	:	1.248	.804	.679
MINIMUM Y	:	-1.145	-1.007	-.628
CENTROID X	:	.192	.297	.230
CENTROID Y	:	-.232	-.370	-.245
POA TO CENTROID in.	:	.301	.475	.336
MIN RADIUS	:	.439	.448	.475
MEAN RADIUS	:	.889	.805	.753
MAX RADIUS	:	1.568	1.140	1.007
HORIZONTAL SPREAD	:	1.785	1.641	1.641
VERTICAL SPREAD	:	2.393	1.811	1.307
EXTREME SPREAD	:	2.874	1.987	1.806
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348974

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.952

VS= 1.980

GS= 2.101

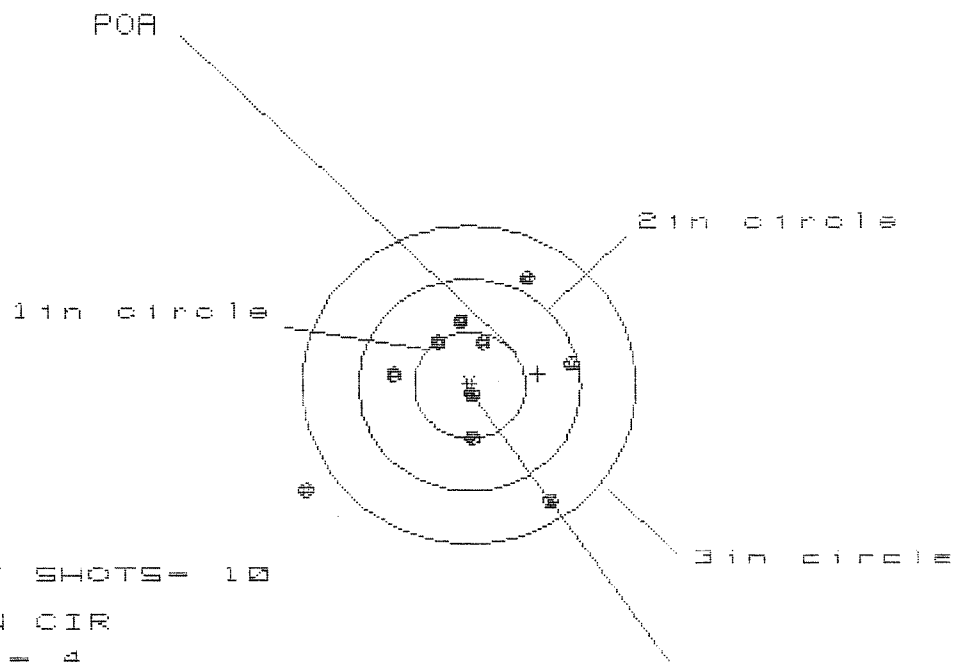
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.072	1.169	.688
MINIMUM X	:	-.890	-.793	-.647
MAXIMUM Y	:	.927	.810	.803
MINIMUM Y	:	-1.053	-.550	-.557
CENTROID X	:	.491	.394	.248
CENTROID Y	:	.239	.356	.363
POA TO CENTROID in.	:	.546	.531	.440
MIN RADIUS	:	.436	.542	.402
MEAN RADIUS	:	.816	.743	.674
MAX RADIUS	:	1.369	1.170	.905
HORIZONTAL SPREAD	:	1.962	1.962	1.335
VERTICAL SPREAD	:	1.980	1.360	1.360
EXTREME SPREAD	:	2.101	1.968	1.574
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

16 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B974

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS= 2.340

VS= 2.162

GS= 2.834

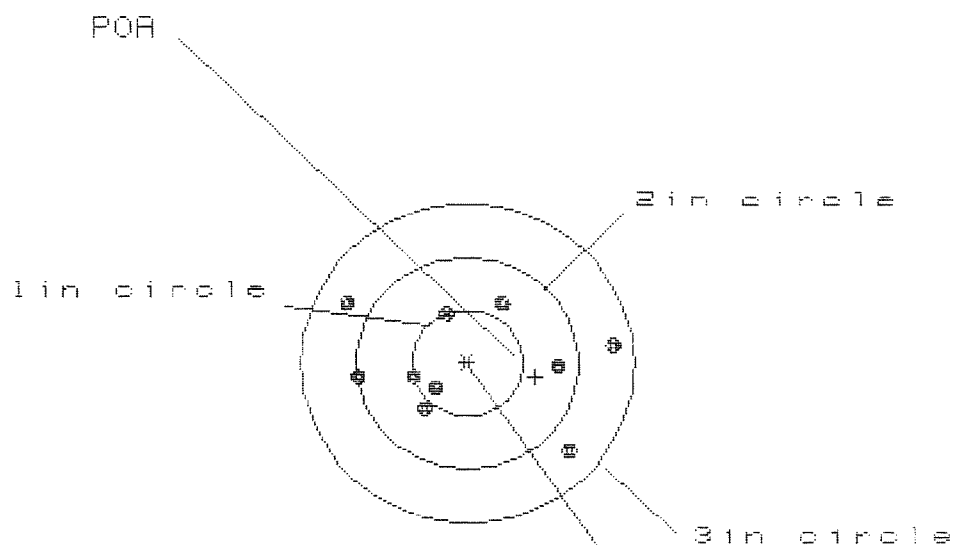
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.905	.745	.815
MINIMUM X	:	-1.435	-.821	-.751
MAXIMUM Y	:	1.028	.917	.761
MINIMUM Y	:	-1.134	-1.245	-.734
CENTROID X	:	-.620	-.460	-.530
CENTROID Y	:	-.107	.004	.160
POA TO CENTROID in.	:	.629	.460	.553
MIN RADIUS	:	.129	.254	.181
MEAN RADIUS	:	.794	.678	.560
MAX RADIUS	:	1.753	1.364	.882
HORIZONTAL SPREAD	:	2.340	1.566	1.566
VERTICAL SPREAD	:	2.162	2.162	1.495
EXTREME SPREAD	:	2.834	2.169	1.571
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

16 Oct 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C8348974

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 2.435

VS = 1.455

GS = 2.468

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.353	1.111	1.068
MINIMUM X	:	-1.082	-.931	-.792
MAXIMUM Y	:	.619	.643	.541
MINIMUM Y	:	-.836	-.812	-.538
CENTROID X	:	-.614	-.765	-.904
CENTROID Y	:	.128	.104	.206
POA TO CENTROID in.	:	.628	.772	.927
MIN RADIUS	:	.398	.284	.292
MEAN RADIUS	:	.828	.735	.634
MAX RADIUS	:	1.370	1.376	1.071
HORIZONTAL SPREAD	:	2.435	2.042	1.860
VERTICAL SPREAD	:	1.455	1.455	1.079
EXTREME SPREAD	:	2.468	2.468	1.941
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	