

C6349109

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Aims 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: **RE00049179** Serial: **C6349109** Model **700** Center Fire Caliber: **7.62 NATO M24 SWS** Produced: **06/19/1990** Repairman: Status: **Closed 7/12/02 10:31:21 AM**

Verify Repair

Address Information

Customer: **JOINT TRANSPORT DIV** Received From: **JOINT TRANSPORT DIV** Return To: **JOINT TRANSPORT DIV** Received From:

Address 1: **ATTN ATZH JTM M** Address 2: **BOX 339500 MS 53** PO Box: City: **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: **Fair** Condition Notes: CSR Notes:

Accessories Received

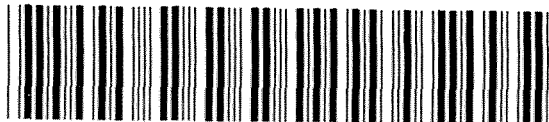
Code	Desc	Qty
A007	With Studs	3
X001	Fr. & Rear Bases	2

Repair Search Refresh Close

Start 8/2/02 3:46 PM CAPS NUM N5 SCFL 3:46 PM

Serial Number: **C6349109**

Model: **700**



RE00049179

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349109.__0
FILE DATE AND TIME: 08/03/2002 12:21

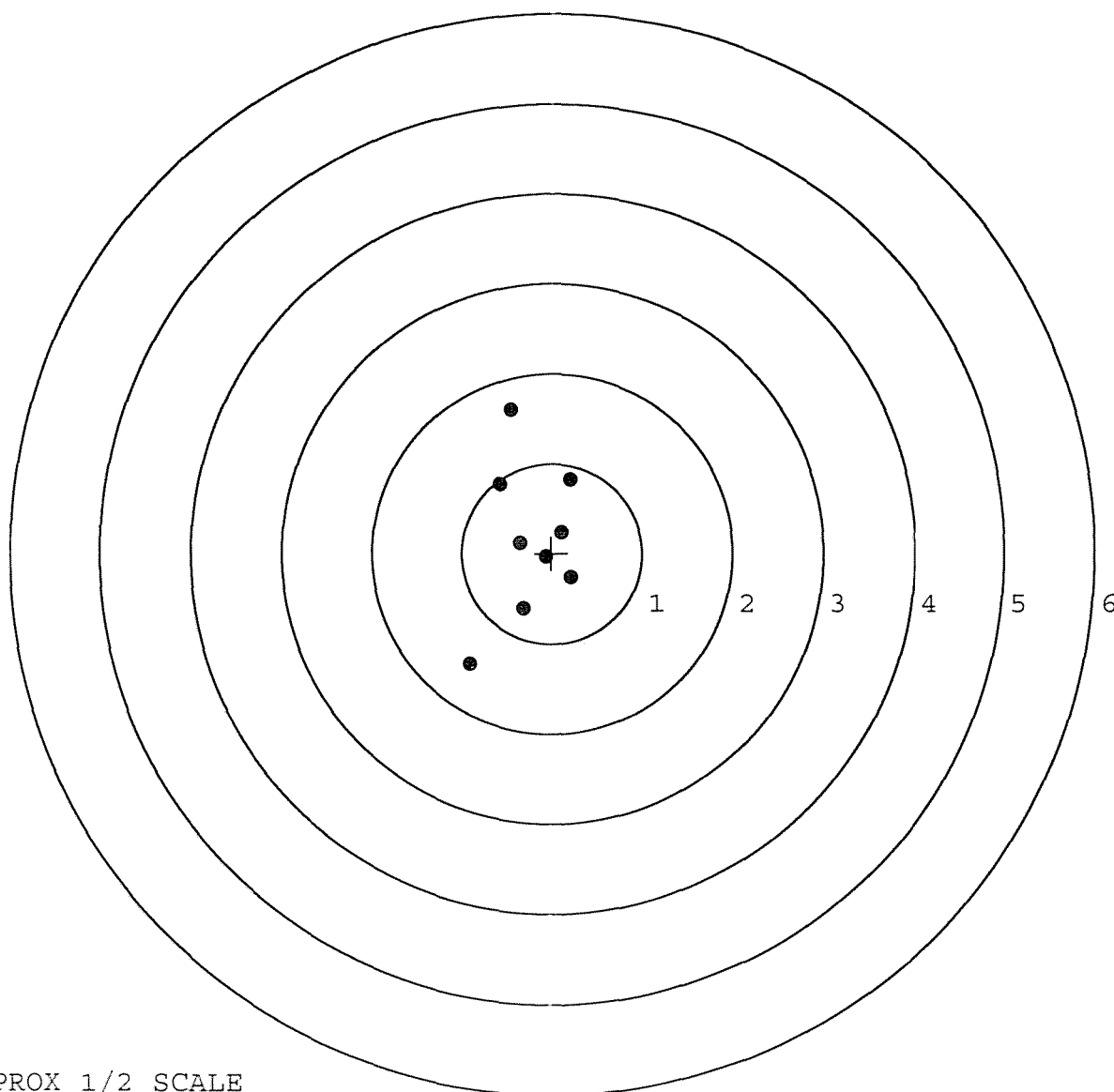
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.086
The Average Y Centroid of the Five Target Set:	0.062
The Average Point of Impact of the Five Target Set:	0.105
The Average Mean Radius of the Five Target Set:	0.680
The Distance from POA to Centroid Target #1:	0.282
The Distance from Centroid Target #2 to Centroid Target #1:	0.335
The Distance from Centroid Target #3 to Centroid Target #1:	0.228
The Distance from Centroid Target #4 to Centroid Target #1:	0.289
The Distance from Centroid Target #5 to Centroid Target #1:	0.217

SERIAL NUMBER: C6349109. __0
 TARGET NUMBER: 1
 FILE DATE: 08/03/2002
 FILE TIME: 12:21

POINT#	X	Y
1:	-0.903	-1.229
2:	-0.312	-0.615
3:	-0.349	0.120
4:	-0.574	0.767
5:	0.207	0.823
6:	-0.454	1.599
7:	0.114	0.240
8:	0.216	-0.269
9:	-0.064	-0.040

X CENTROID: -0.235
 Y CENTROID: 0.155
 POA TO CENTROID: 0.282
 HORZ SPREAD: 1.119
 VERT SPREAD: 2.828
 GROUP SPREAD: 2.863
 MIN RADIUS: 0.119
 MAX RADIUS: 1.537
 MEAN RADIUS: 0.737
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349109. 0

TARGET NUMBER: 2

FILE DATE: 08/03/2002

FILE TIME: 12:21

POINT#	X	Y
1:	1.655	0.309
2:	0.686	0.175
3:	0.833	1.035
4:	-0.354	0.767
5:	-0.499	1.418
6:	0.107	-0.594
7:	-0.812	-0.573
8:	-0.394	-0.072
9:	-0.232	-0.193
10:	-0.027	-0.264

X CENTROID: 0.096

Y CENTROID: 0.201

POA TO CENTROID: 0.223

HORZ SPREAD: 2.467

VERT SPREAD: 2.012

GROUP SPREAD: 2.620

MIN RADIUS: 0.481

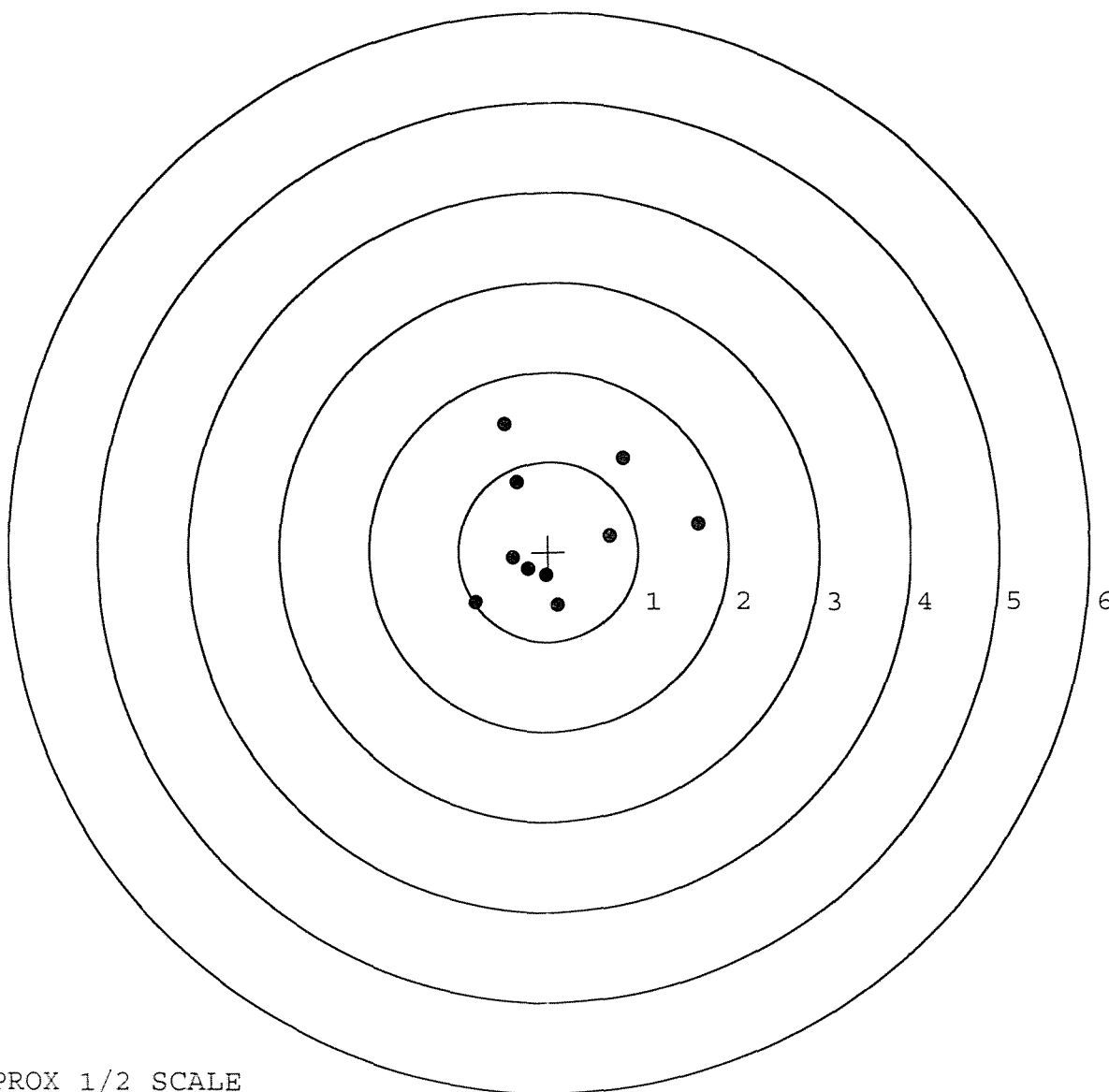
MAX RADIUS: 1.562

MEAN RADIUS: 0.889

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349109. __0

TARGET NUMBER: 3

FILE DATE: 08/03/2002

FILE TIME: 12:21

POINT#	X	Y
1:	0.476	-0.223
2:	0.693	0.151
3:	-0.001	-0.570
4:	0.016	-1.100
5:	-0.453	-0.210
6:	-0.040	0.240
7:	-0.462	0.111
8:	-0.351	0.314
9:	-0.276	0.571
10:	-0.515	0.496

X CENTROID: -0.091

Y CENTROID: -0.022

POA TO CENTROID: 0.094

HORZ SPREAD: 1.208

VERT SPREAD: 1.671

GROUP SPREAD: 1.696

MIN RADIUS: 0.267

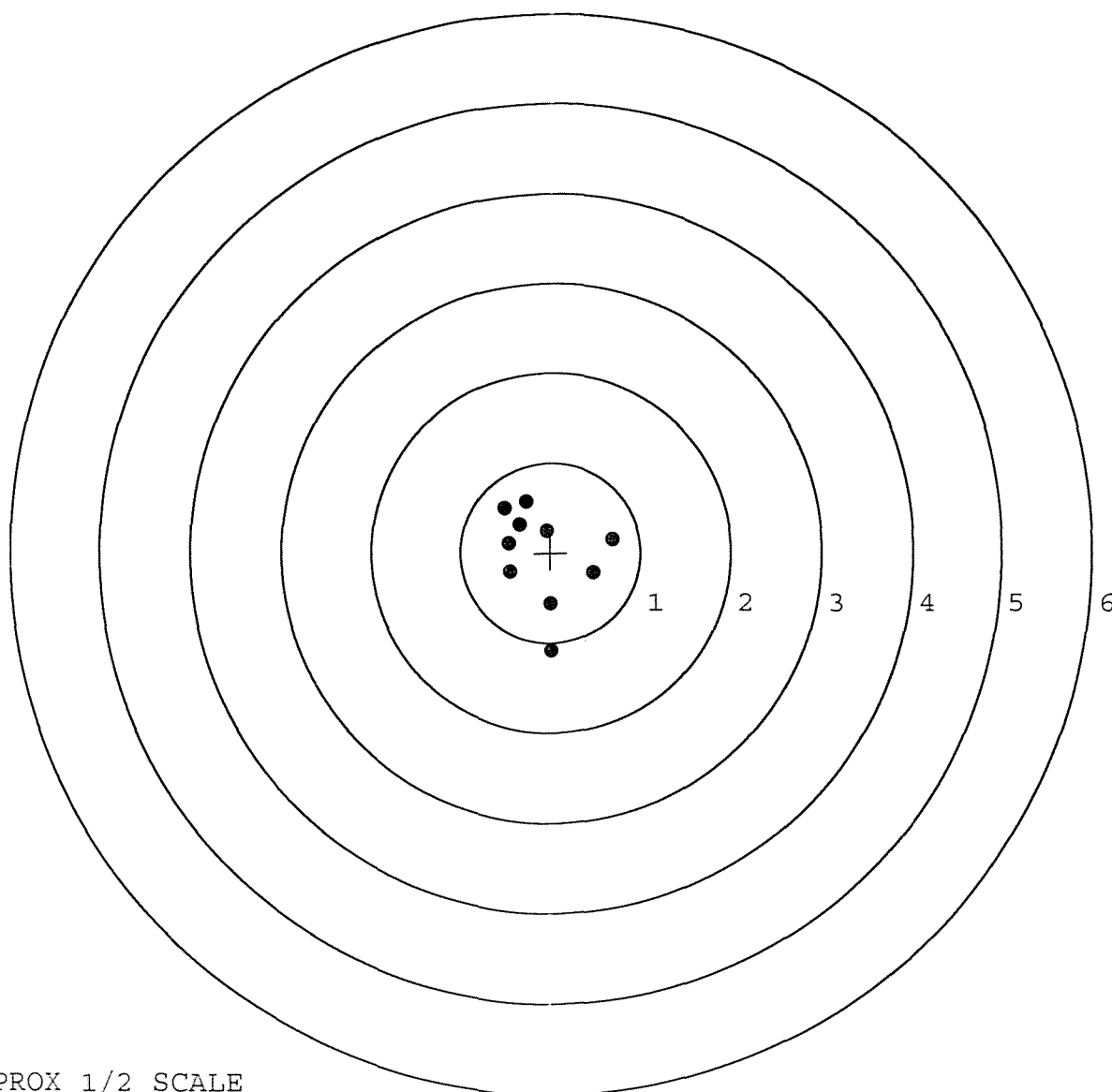
MAX RADIUS: 1.083

MEAN RADIUS: 0.583

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349109. __0

TARGET NUMBER: 4

FILE DATE: 08/03/2002

FILE TIME: 12:21

POINT#	X	Y
1:	1.106	1.205
2:	0.285	-0.139
3:	0.225	0.092
4:	-0.049	0.482
5:	-0.285	0.194
6:	-0.348	-0.727
7:	-0.179	-0.424
8:	-0.262	-0.179
9:	-0.016	-0.160
10:	-0.199	0.014

X CENTROID: 0.028

Y CENTROID: 0.036

POA TO CENTROID: 0.045

HORZ SPREAD: 1.454

VERT SPREAD: 1.932

GROUP SPREAD: 2.418

MIN RADIUS: 0.201

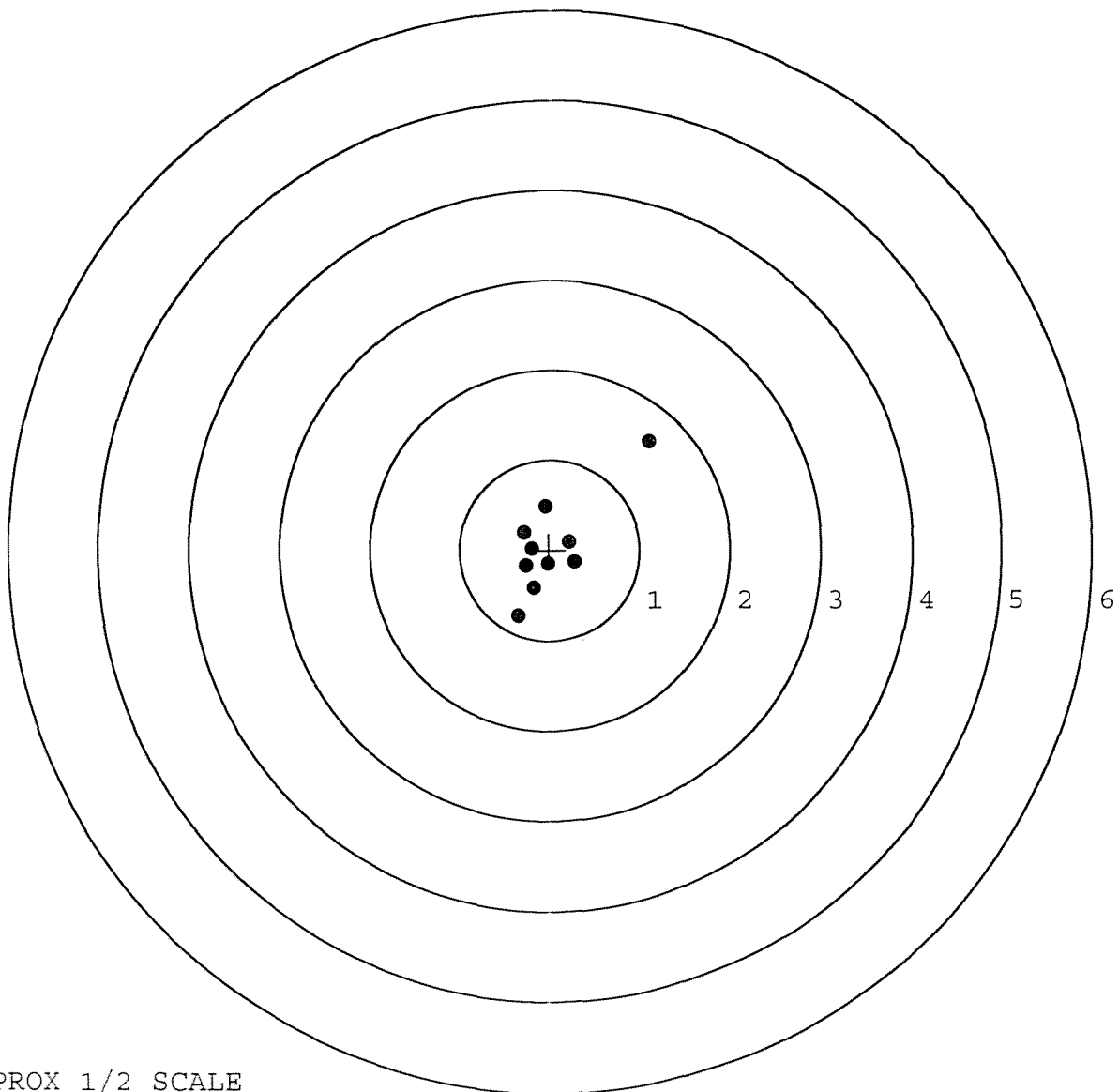
MAX RADIUS: 1.590

MEAN RADIUS: 0.505

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

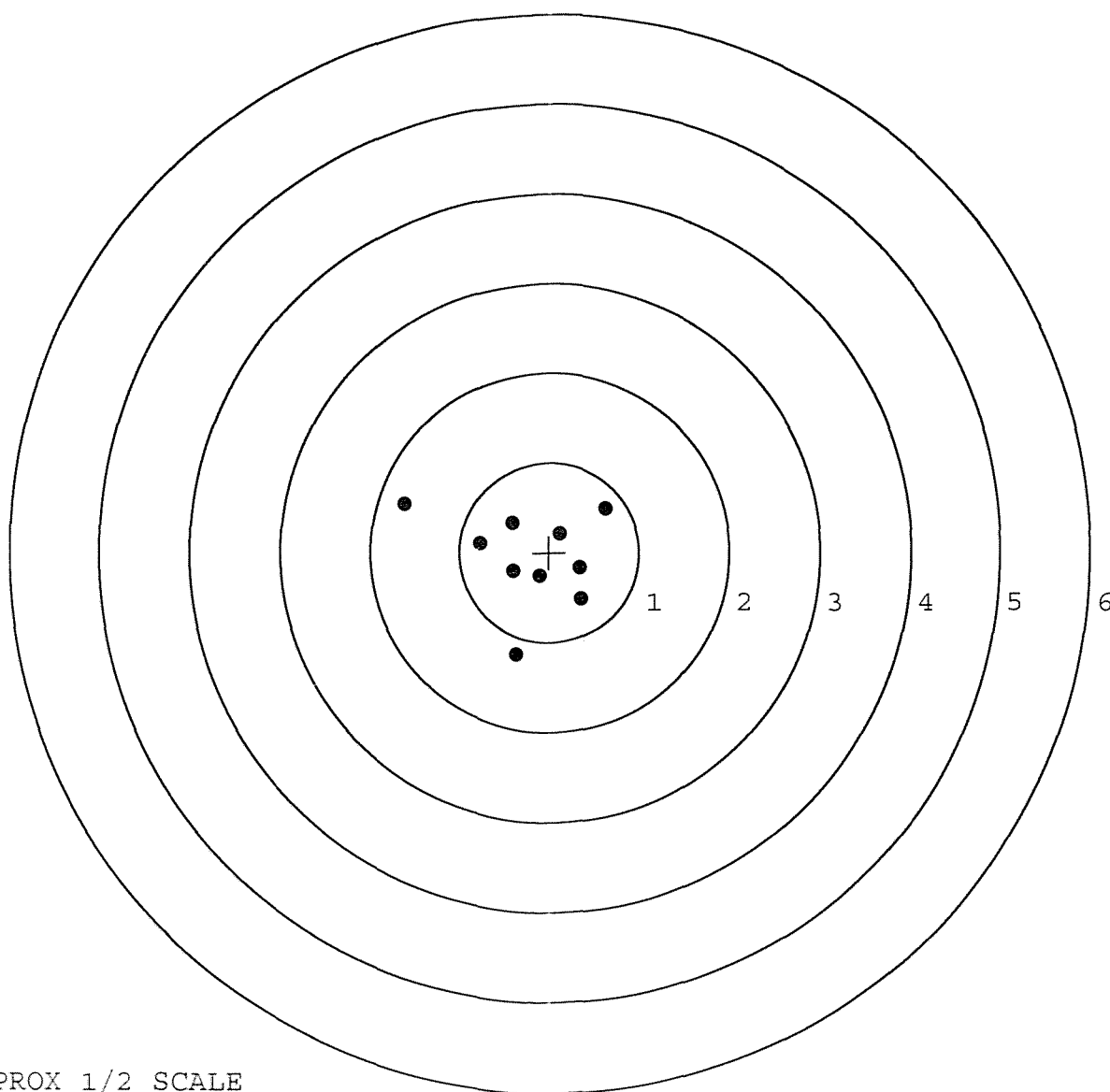


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349109. __0
 TARGET NUMBER: 5
 FILE DATE: 08/03/2002
 FILE TIME: 12:21

X CENTROID: -0.225
 Y CENTROID: -0.061
 POA TO CENTROID: 0.233
 HORZ SPREAD: 2.244
 VERT SPREAD: 1.678
 GROUP SPREAD: 2.246
 MIN RADIUS: 0.226
 MAX RADIUS: 1.522
 MEAN RADIUS: 0.686
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.372	-1.136
2:	0.354	-0.524
3:	0.342	-0.178
4:	0.122	0.211
5:	0.621	0.489
6:	-0.414	0.339
7:	-0.108	-0.265
8:	-0.773	0.112
9:	-1.623	0.542
10:	-0.401	-0.204



TARGET APPROX 1/2 SCALE

Final Inspection

Sn: C1349109

DATE REC'D: 7/12/02

DATE RET'D: 8/2/02

AUDITOR: R

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:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	49179		
SERIAL NUMBER	80315700 C6349109		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/15/02	RL
560 A	RE-BARREL	7/15/02	DA
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/19/02	RL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX	MAGNA - FLUX	
615	ROLLMARK CALIBER	INSPECTED 7/23/02	TED
618	ROTO-BLAST	JUL 23 2002 7/25/02	KO
620	APPLY COATINGS	OPERATOR PL 7-26	TA
625 A	FINAL ASSEMBLY	8-1-02	RU
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-1-02	RL
655	FINAL INSPECT	8/5/02	RL
660	PACK	8/5/02	DA
		SHIP DATE	
	QAR INSPECTION DATE		

GUN SERIAL # C6349109

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 - 9	89	RW
600	Proof	10 - 9	89	AC.
607	Check Headspace	10 - 9	89	RW
610	Dis-assemble Gun	10 - 9	89	RW
612	Magnaflux Barrel Action		10/13/89	RER
	Magnaflux Bolt		10/13/89	RER
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	10 1689		JB
618	Polish Barrel RB	10 1689		BT
620	Apply Coatings (Barrel Action)		10-27-89	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/30/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/30/89	RW
	C) Inspect Ejector Hole for Chamfer		10/30/89	RW
	D) Oil Firing Pin Ass'y		10/30/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/6/89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10/31/89	gll
	G) Safety Off Force	4	4	4			10/31/89	gll
	H) Trigger Pull Test & Retainability						3/1/89	gll
	I) Firing Pin Indent	.022	.022	.022			10/31/89	gll
	J) Assemble Stock						11/1/89	RW
	K) Assemble Swivel Studs						6/1/89	gll
	L) Attach Front and Rear Sight Assemblies						11/1/89	RW
	M) Iron Sight Alignment						11/1/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/1/89	RW
	O) Attach Scope to Rifle						11/1/89	gll
	P) Detach & Attach Scope 20 Times						11/1/89	gll
640	Gallery Target & Test						11-2-89	DH
	A) Time						11-2-89	DH
	B) Malfunctions						11-2-89	DH
	C) Pierced Primers						11-2-89	DH
	D) Optical Clarity of Scope						11-2-89	DH
645	Inspect for Live Ammo						11-2-89	DH
655	Final Inspection							
	A) Headspace						6/1/89	gll
	B) Trigger Pull	2.31	2.15	2.20	2.21	2.27	6/1/89	gll
	C) Function						6/1/89	gll
660	Pack						14/1/89	gll

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 26349109DATE 3/30/90TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.51	2.37	2.24	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.32	2.25	
PULL #3	2.45	2.34	2.17	
PULL #4	2.44	2.24	2.12	
PULL #5	2.44	2.35	2.15	
TOTAL	12.28	11.62	10.93	
AVG.	2.45	2.32	2.18	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.25	3.22	
PULL #2	3.35	3.23	
PULL #3	3.30	3.18	
PULL #4	3.22	3.13	
PULL #5	3.22	3.19	
TOTAL	16.34	15.95	
AVG.	3.22	3.19	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.24		
PULL #2	4.20	4.22		
PULL #3	4.29	4.25		
PULL #4	4.27	4.19		
PULL #5	4.33	4.19		
TOTAL	21.33	21.09		
AVG.	4.26	4.21		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349109
2 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.333708
1 TO	2	.21523
1 TO	3	.372325
1 TO	4	.216123
1 TO	5	.393209

4.4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1752
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1426
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .225898
THE AMR FOR THIS RIFLE IS: .9528

2 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349189

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in - 3

2in - 5

3in - 10

HS - 2.489

VS - 1.234

GS - 2.522

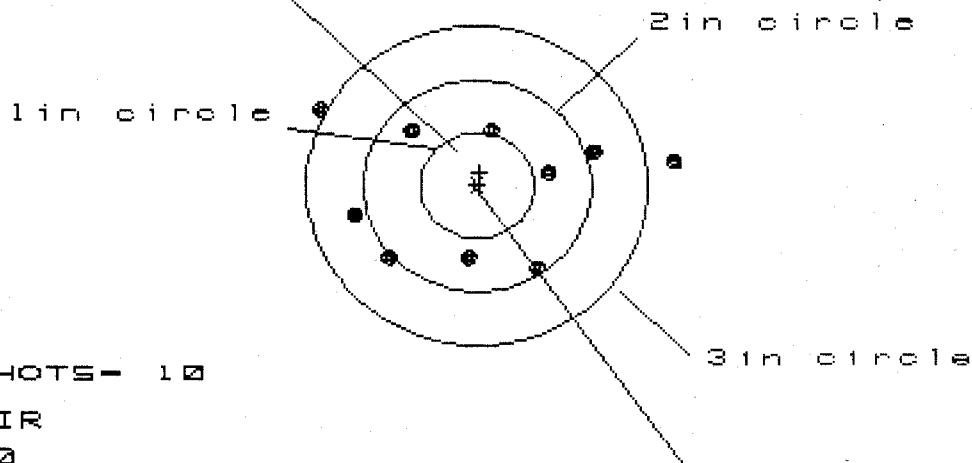
PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.407	1.317	1.201
MINIMUM X	:	-1.082	-.925	-.933
MAXIMUM Y	:	.719	.753	.638
MINIMUM Y	:	-.515	-.481	-.387
CENTROID X	:	-.156	-.313	-.197
CENTROID Y	:	-.295	-.329	-.423
POA TO CENTROID in.	:	.334	.454	.467
MIN RADIUS	:	.192	.134	.098
MEAN RADIUS	:	.850	.754	.678
MAX RADIUS	:	1.441	1.318	1.202
HORIZONTAL SPREAD	:	2.489	2.242	2.134
VERTICAL SPREAD	:	1.234	1.234	1.025
EXTREME SPREAD	:	2.522	2.403	2.217
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

2 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349109

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 3.076

VS= 1.507

GS= 3.110

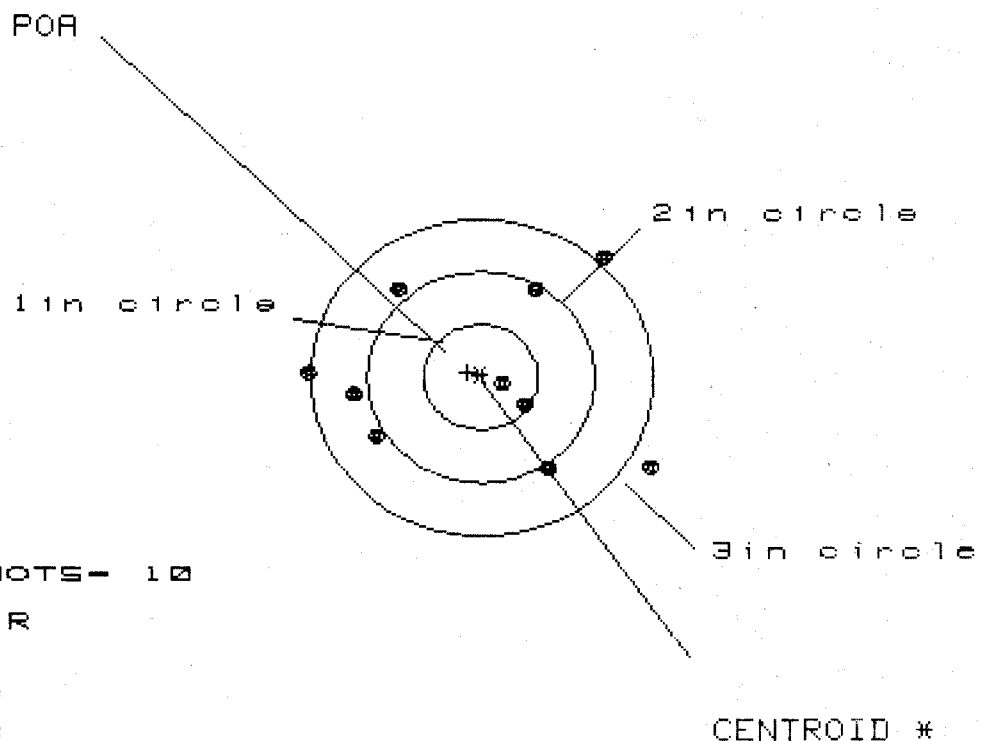
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.729	1.208	1.063
MINIMUM X	:	-1.347	-1.154	-1.073
MAXIMUM Y	:	.686	.711	.688
MINIMUM Y	:	-.821	-.796	-.707
CENTROID X	:	-.024	-.217	-.072
CENTROID Y	:	-.125	-.150	-.239
POA TO CENTROID in.	:	.127	.264	.250
MIN RADIUS	:	.527	.619	.593
MEAN RADIUS	:	1.011	.922	.854
MAX RADIUS	:	1.744	1.356	1.141
HORIZONTAL SPREAD	:	3.076	2.362	2.136
VERTICAL SPREAD	:	1.507	1.507	1.395
EXTREME SPREAD	:	3.110	2.393	2.202
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

2 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349109

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 3

3in = 8

HS = 3.003

VS = 2.057

GS = 3.130

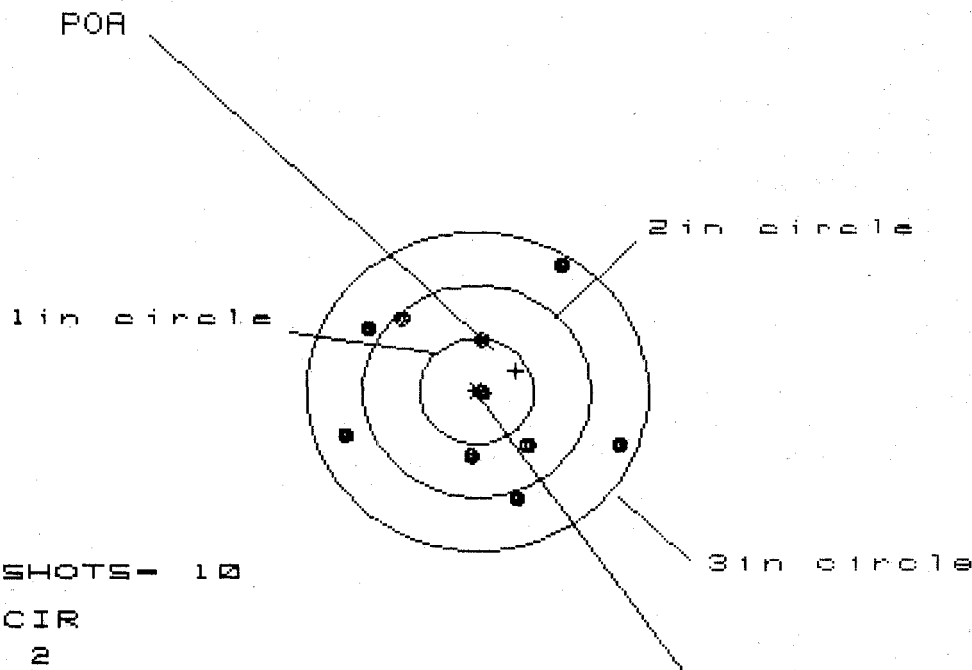
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.524
MINIMUM X	-1.479
MAXIMUM Y	1.179
MINIMUM Y	-.878
CENTROID X	.119
CENTROID Y	-.044
POA TO CENTROID in.	.127
MIN RADIUS	.175
MEAN RADIUS	1.074
MAX RADIUS	1.759
HORIZONTAL SPREAD	3.003
VERTICAL SPREAD	2.057
EXTREME SPREAD	3.130
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	3
NUMBER IN THREE INCH CIRCLE =	8

2 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349103

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.466

VS= 2.216

GS= 2.571

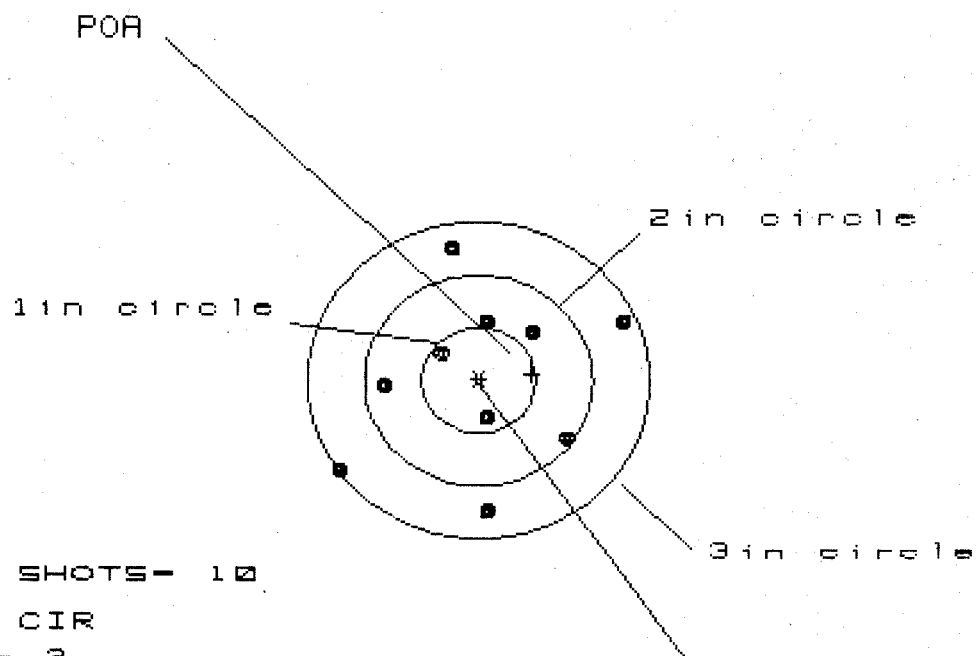
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.266	1.347	.735
MINIMUM X	:	-1.200	-1.119	-.950
MAXIMUM Y	:	1.240	.853	.811
MINIMUM Y	:	-.976	-.838	-.880
CENTROID X	:	-.346	-.427	-.596
CENTROID Y	:	-.192	-.330	-.288
POA TO CENTROID in.	:	.395	.540	.661
MIN RADIUS	:	.038	.141	.271
MEAN RADIUS	:	.900	.837	.778
MAX RADIUS	:	1.441	1.388	1.063
HORIZONTAL SPREAD	:	2.466	2.466	1.685
VERTICAL SPREAD	:	2.216	1.691	1.691
EXTREME SPREAD	:	2.571	2.468	2.044
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

2 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349109

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.582

VS= 2.525

GS= 2.943

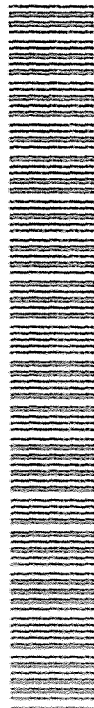
PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.311	1.169	.793
MINIMUM X	:	-1.271	-.932	-.785
MAXIMUM Y	:	1.278	1.181	1.235
MINIMUM Y	:	-1.247	-1.344	-1.290
CENTROID X	:	-.469	-.327	-.474
CENTROID Y	:	-.057	.040	-.014
POA TO CENTROID in.	:	.472	.330	.474
MIN RADIUS	:	.346	.459	.390
MEAN RADIUS	:	.929	.852	.788
MAX RADIUS	:	1.546	1.349	1.290
HORIZONTAL SPREAD	:	2.582	2.101	1.578
VERTICAL SPREAD	:	2.525	2.525	2.525
EXTREME SPREAD	:	2.943	2.536	2.536
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

Remington
MODEL 700™ H24

DUPONT
REG. U.S. PAT. & TM. OFF.

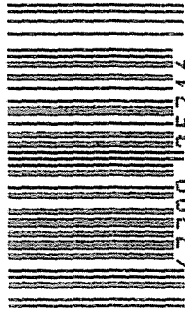
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO. C6349109	01
ORDER NO. 5716	



5716 C6349109

UPC



0 47700 25716 7