

C6587589

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

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: **RE00045876** Serial: C6587589 Model: 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 5/1/02 8:54:19 AM

Verify Repair

Address Information

Customer: Received From Return To: Received From

Name: **SUPPLY CENTER** **SUPPLY CENTER**

Address 1: **2950 NORTH PARK RD** **2950 NORTH PARK RD**

Address 2: **PO Box:** **PO Box:**

City: **LINCOLN** **LINCOLN**

State: **NE** Zip Code: **68521** Country: **US** State: **NE** Zip Code: **68521** 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	3
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

Start | Inbo... | Calc... | Micr... | SAP... | Goo... | Ar... | Print... | 7:47 AM

Serial Number: **C6587589**

Model: **700**



RE00045876

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587589.___0
FILE DATE AND TIME: 05/17/2002 14:00

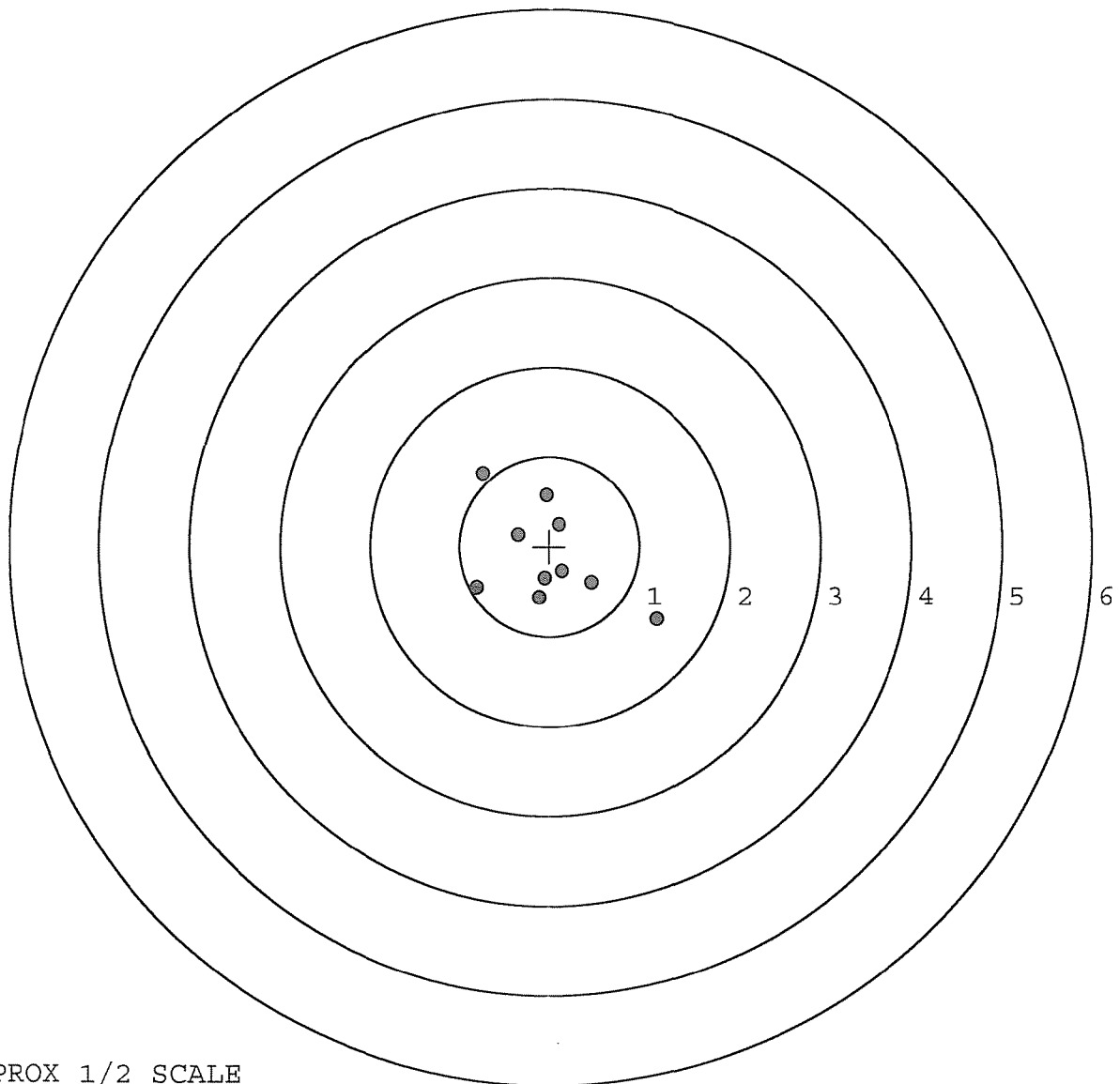
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.093
The Average Y Centroid of the Five Target Set:	-0.050
The Average Point of Impact of the Five Target Set:	0.106
The Average Mean Radius of the Five Target Set:	0.592
The Distance from POA to Centroid Target #1:	0.114
The Distance from Centroid Target #2 to Centroid Target #1:	0.174
The Distance from Centroid Target #3 to Centroid Target #1:	0.233
The Distance from Centroid Target #4 to Centroid Target #1:	0.237
The Distance from Centroid Target #5 to Centroid Target #1:	0.224

SERIAL NUMBER: C6587589. __0
TARGET NUMBER: 1
FILE DATE: 05/17/2002
FILE TIME: 14:00

POINT#	X	Y
1:	1.193	-0.809
2:	0.469	-0.405
3:	0.145	-0.275
4:	-0.057	-0.358
5:	-0.120	-0.568
6:	-0.811	-0.455
7:	-0.350	0.130
8:	-0.037	0.569
9:	0.108	0.241
10:	-0.744	0.808

X CENTROID: -0.020
Y CENTROID: -0.112
POA TO CENTROID: 0.114
HORZ SPREAD: 2.004
VERT SPREAD: 1.617
GROUP SPREAD: 2.523
MIN RADIUS: 0.232
MAX RADIUS: 1.399
MEAN RADIUS: 0.642
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

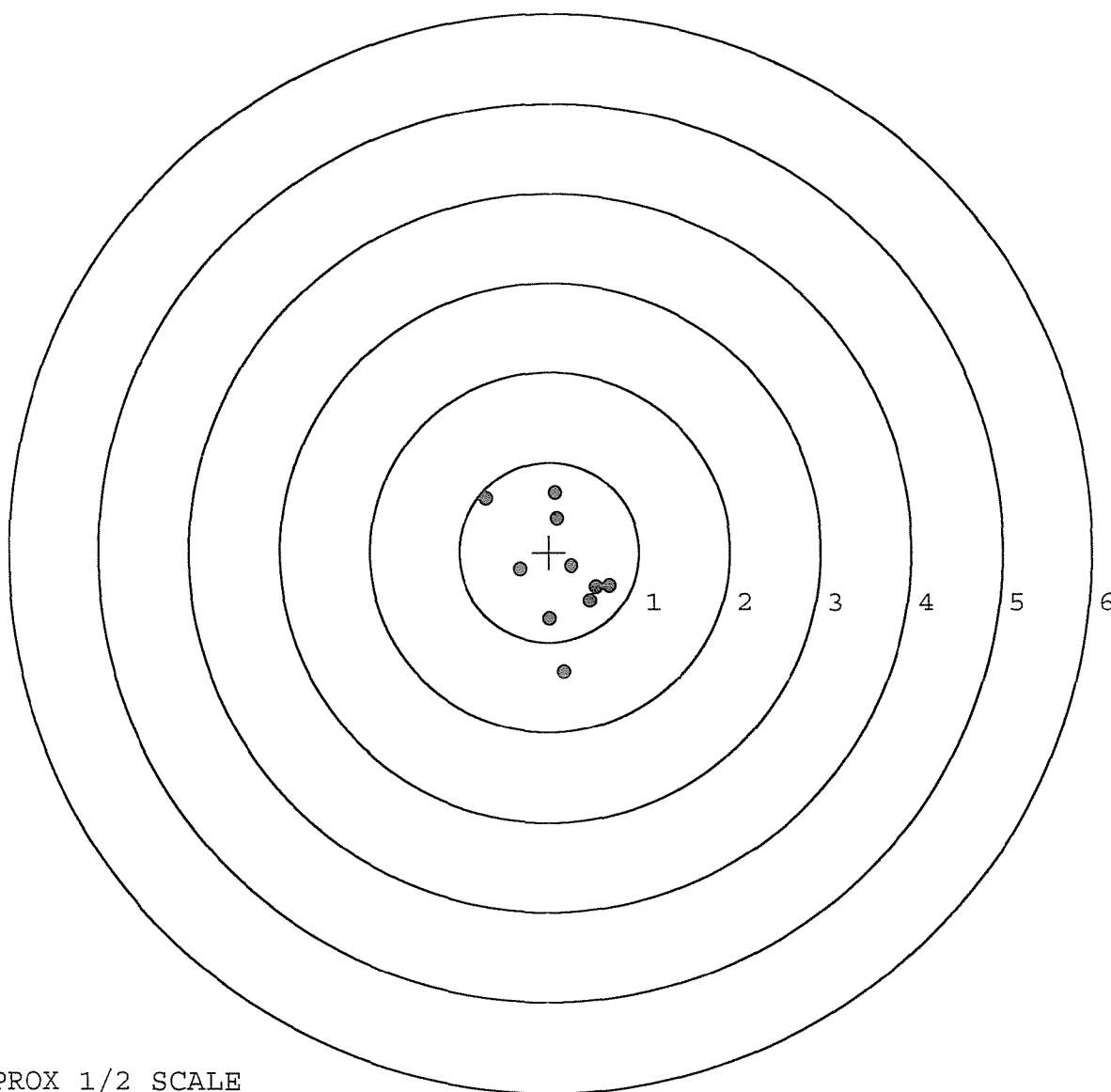


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587589. __0
 TARGET NUMBER: 2
 FILE DATE: 05/17/2002
 FILE TIME: 14:00

X CENTROID: 0.121
 Y CENTROID: -0.213
 POA TO CENTROID: 0.245
 HORZ SPREAD: 1.379
 VERT SPREAD: 1.998
 GROUP SPREAD: 2.120
 MIN RADIUS: 0.140
 MAX RADIUS: 1.153
 MEAN RADIUS: 0.635
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.172	-1.340
2:	0.013	-0.745
3:	0.457	-0.543
4:	0.672	-0.376
5:	0.250	-0.159
6:	-0.323	-0.196
7:	0.083	0.369
8:	0.065	0.658
9:	-0.707	0.589
10:	0.524	-0.392

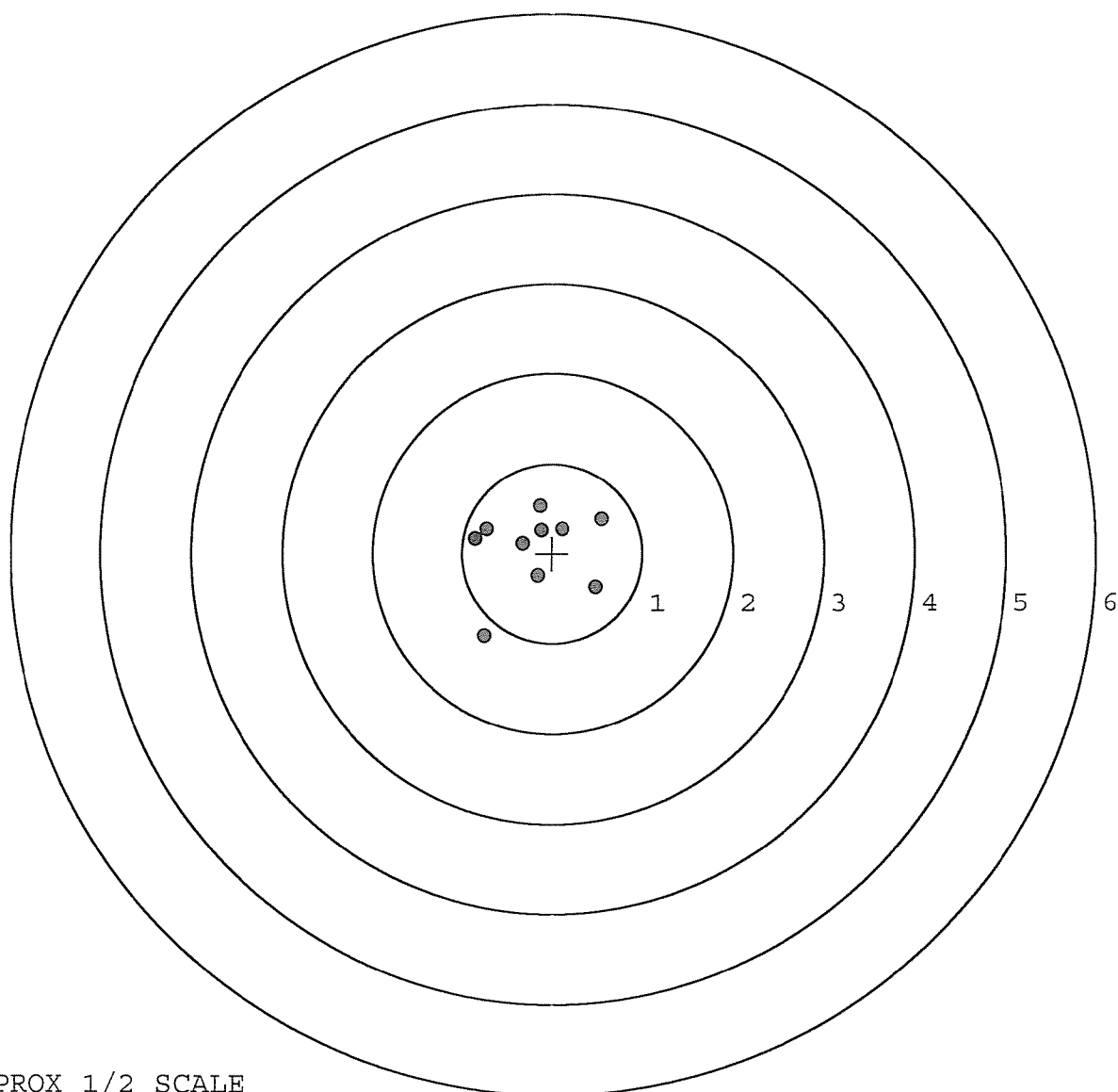


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587589. 0
TARGET NUMBER: 3
FILE DATE: 05/17/2002
FILE TIME: 14:00

X CENTROID: -0.194
Y CENTROID: 0.044
POA TO CENTROID: 0.199
HORZ SPREAD: 1.406
VERT SPREAD: 1.453
GROUP SPREAD: 1.851
MIN RADIUS: 0.155
MAX RADIUS: 1.121
MEAN RADIUS: 0.554
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.486	-0.377
2:	-0.757	-0.925
3:	-0.855	0.161
4:	-0.728	0.273
5:	0.551	0.385
6:	0.120	0.271
7:	-0.136	0.528
8:	-0.122	0.259
9:	-0.333	0.113
10:	-0.164	-0.249

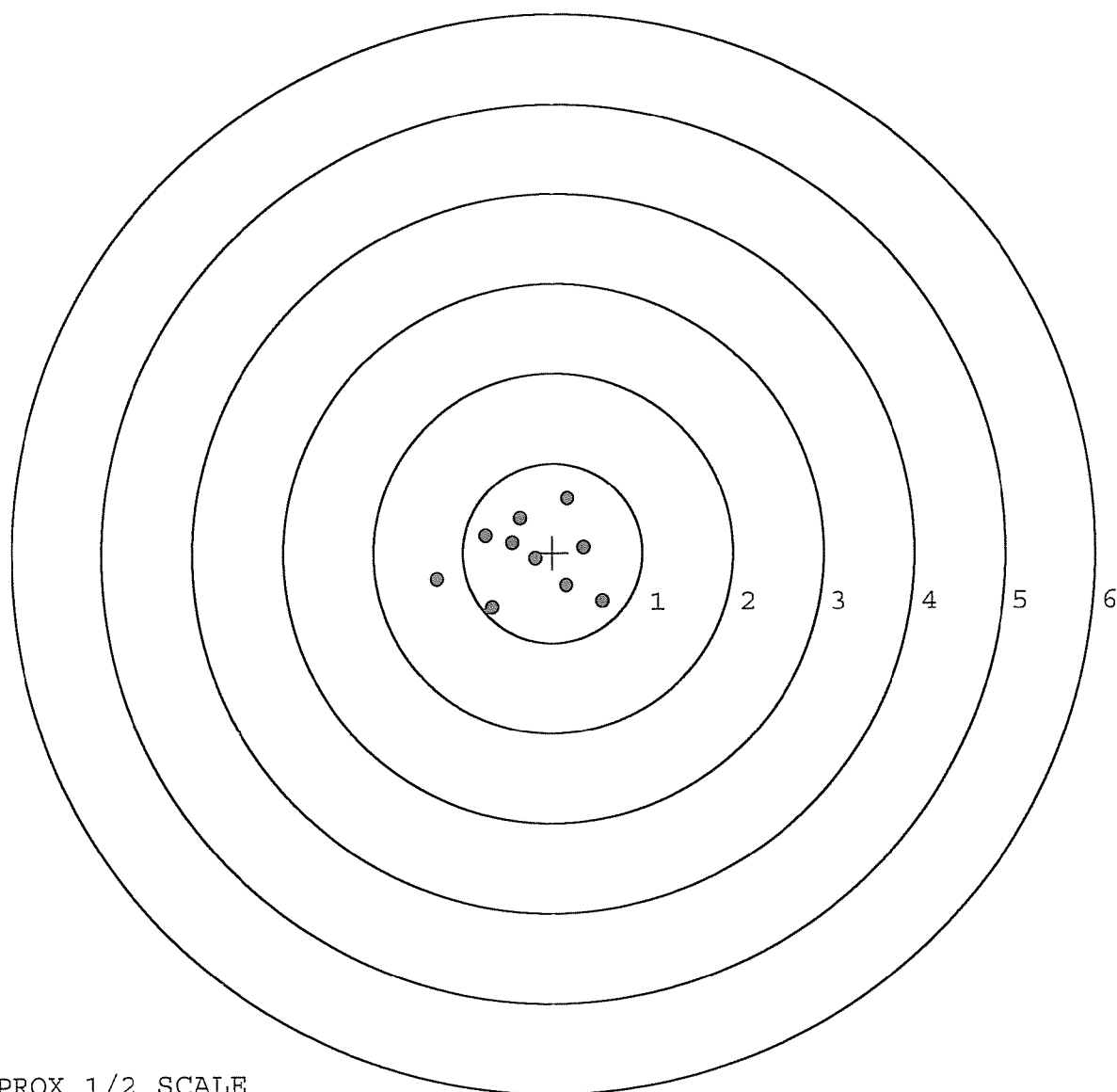


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587589. 0
TARGET NUMBER: 4
FILE DATE: 05/17/2002
FILE TIME: 14:00

X CENTROID: -0.250
Y CENTROID: -0.054
POA TO CENTROID: 0.256
HORZ SPREAD: 1.855
VERT SPREAD: 1.213
GROUP SPREAD: 1.872
MIN RADIUS: 0.058
MAX RADIUS: 1.074
MEAN RADIUS: 0.595
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.558	-0.545
2:	0.157	-0.367
3:	-0.679	-0.609
4:	-1.297	-0.295
5:	-0.750	0.190
6:	0.349	0.056
7:	0.171	0.604
8:	-0.362	0.381
9:	-0.452	0.113
10:	-0.194	-0.070

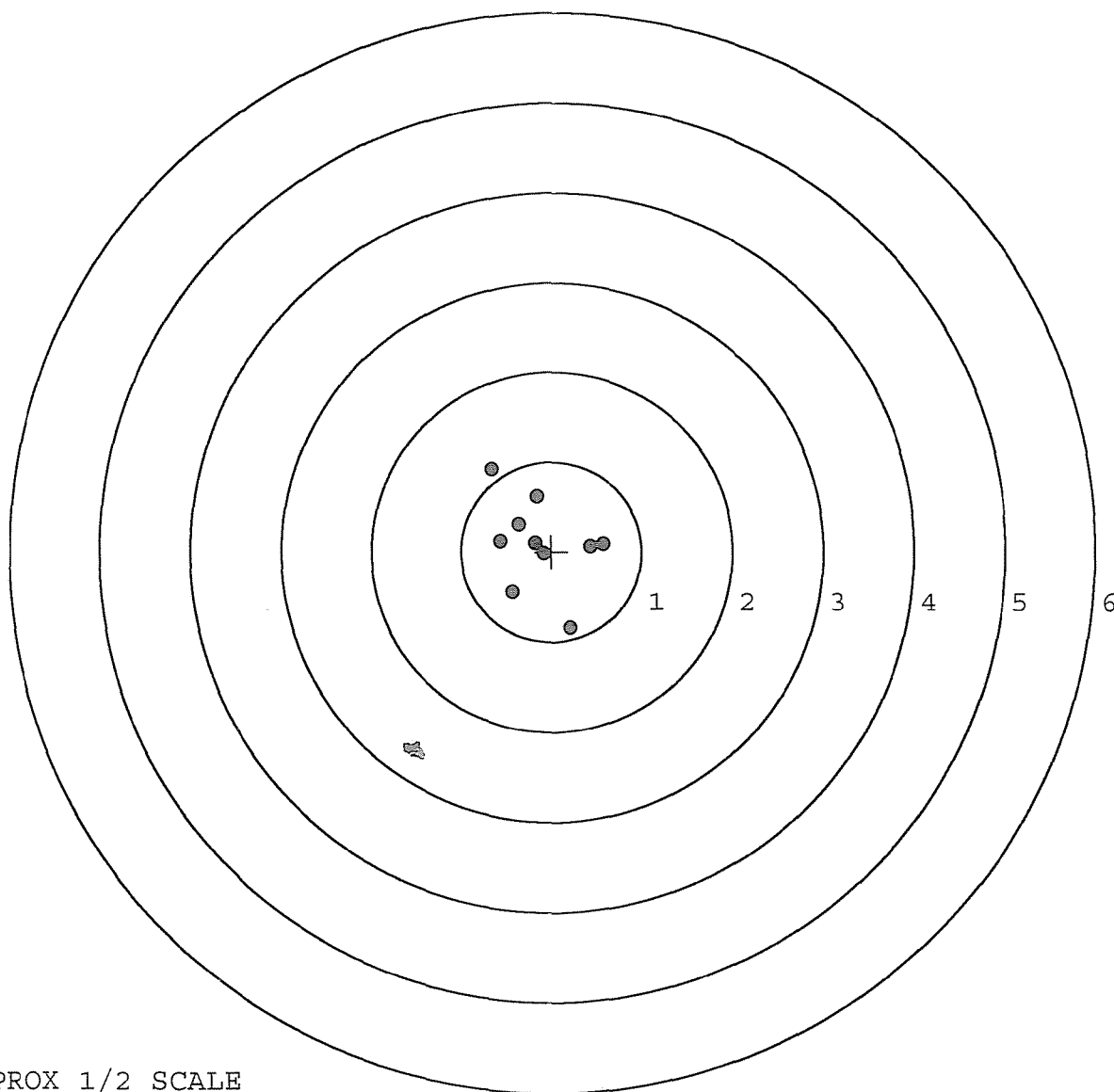


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587589. __0
TARGET NUMBER: 5
FILE DATE: 05/17/2002
FILE TIME: 14:00

X CENTROID: -0.124
Y CENTROID: 0.086
POA TO CENTROID: 0.151
HORZ SPREAD: 1.244
VERT SPREAD: 1.766
GROUP SPREAD: 1.977
MIN RADIUS: 0.057
MAX RADIUS: 0.999
MEAN RADIUS: 0.534
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.576	0.088
2:	0.436	0.063
3:	0.220	-0.852
4:	-0.428	-0.450
5:	-0.090	-0.025
6:	-0.572	0.115
7:	-0.169	0.612
8:	-0.668	0.914
9:	-0.365	0.304
10:	-0.180	0.094



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 45876			
SERIAL NUMBER C6587589			
LOG-IN DATE 5/1/02			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5/1/02	RL
560 A	RE-BARREL AT CUSTOM SHOP	5/2/02	BWT
B	DRILL AND TAP	5/2/02	BWT
C	POLISH		
575	ASSEMBLE	5/3/02	RL
600	PROOF MAGNA-FLUX	5/3/02	RL
605	CHECK HEADSPACE INSPECTED	5/3/02	RL
610	DIS-ASSEMBLE GUN MAY 3 2002	5/3/02	RL
612	MAGNAFLUX OPERATOR JRD		
615	ROLLMARK CALIBER	5/6/02	RB
618	ROTO-BLAST	5/7	NO
620	APPLY COATINGS	5-9	JA
625 A	FINAL ASSEMBLY	5/16/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	5-16-02	RL
655	FINAL INSPECT	5/24/02	RL
660	PACK	5/20/02	JA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington[®]

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

DUPONT

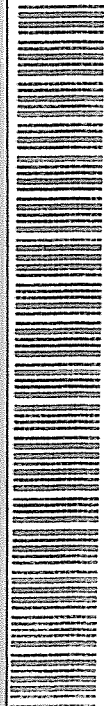
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TM M24

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

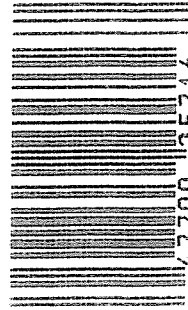
SERIAL NO.
C6587589

ORDER NO.
5716



5716 C6587589

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6587589

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9	90	RW
600	Proof	10 9	90	RW
607	Check Headspace	10 9	90	RW
610	Dis-assemble Gun	10 9	90	RW
612	Magnaflux Barrel Action		10/11/90	KP
	Magnaflux Bolt		10/17/90	KP
615	Rollmark Caliber		10/17/90	LS
617	Drill and Tap Sight Holes		10/18/90	LB
618	Polish Barrel RWB		10/19/90	WSB
620	Apply Coatings (Barrel Action)		11-5-90	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	RW
	C) Inspect Ejector Hole for Chamfer		11/7/90	RW
	D) Oil Firing Pin Ass'y		11/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-14-90	SL

op. #	OP. NAME	READINGS				DATE	INIT	
625 cont.	F) Safety On Force	4	4	4		11/14/90	WLB	
	G) Safety Off Force	2 1/4	2 1/4	2 1/4		11/14/90	WLB	
	H) Trigger Pull Test & Retainability					11-14-90	XL	
	I) Firing Pin Indent	.0215	.0215	.0215		11/14/90	WLB	
	J) Assemble Stock					11/15/90	RW	
	K) Assemble Swivel Studs					11-27-90	JS	
	L) Attach Front and Rear Sight Assemblies					11/15/90	RW	
	M) Iron Sight Alignment					11/15/90	RW	
	N) Detach Front & Rear Sights & place in numbered container					11/15/90	RW	
	O) Attach Scope to Rifle					11/15/90	RW	
	P) Detach & Attach Scope 20 Times					11/15/90	RW	
640	Gallery Target & Test					11-28-90	AC	
	A) Time					11-28-90	AC	
	B) Malfunctions					11-28-90	AC	
	C) Pierced Primers					11-28-90	AC	
	D) Optical Clarity of Scope					11-28-90	AC	
645	Inspect for Live Ammo					11-28-90	AC	
655	Final Inspection							
	A) Headspace					11-27-90	JS	
	B) Trigger Pull	238	236	231	235	232	11-27-90	JS
	C) Function						11-27-90	JS
660	Pack						12/19/90	VF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6587589

DATE 11-14-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.33	2.28	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.33	2.22	2.36	
PULL #3	2.26	2.31	2.25	2.31	
PULL #4	2.26	2.27	2.22	2.35	
PULL #5	2.20	2.25	2.25	2.32	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.41		
PULL #2	3.39	3.36		
PULL #3	3.39	3.11		
PULL #4	3.13	3.39		
PULL #5	3.44	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.46	4.36		4.50
PULL #2	4.24	4.40		4.31
PULL #3	4.22	4.43		4.41
PULL #4	4.50	4.39		4.48
PULL #5	4.37	4.47		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587589
27 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.355951
1 TO	2	.82858
1 TO	3	.409849
1 TO	4	.313818
1 TO	5	.284018

$z_{\#1}^5$ <----POA

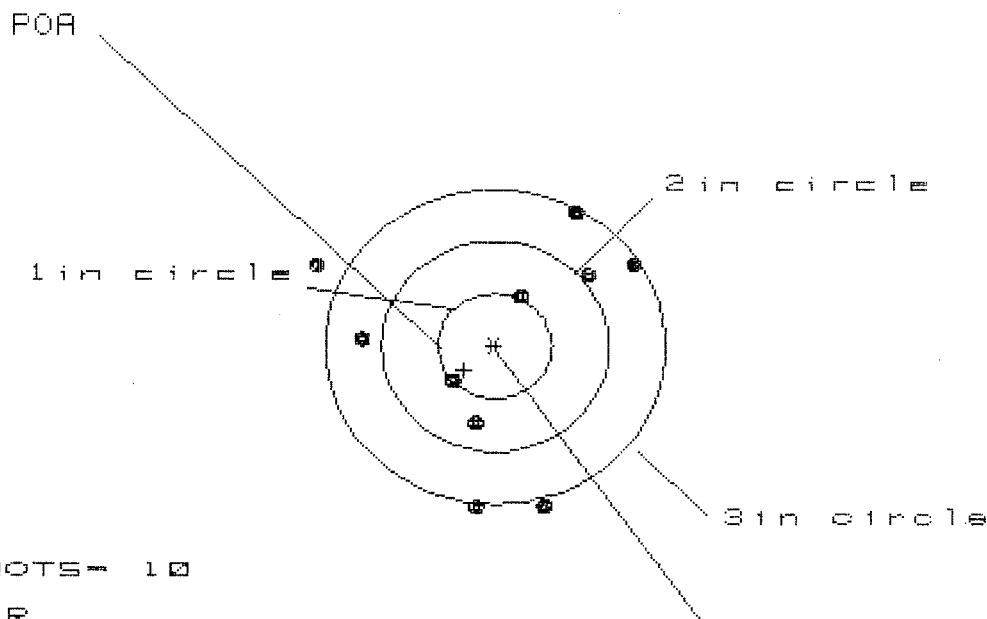
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0414
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0834
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .093110

THE AMR FOR THIS RIFLE IS: .9352

26 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587589

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS= 2.856

VS= 2.776

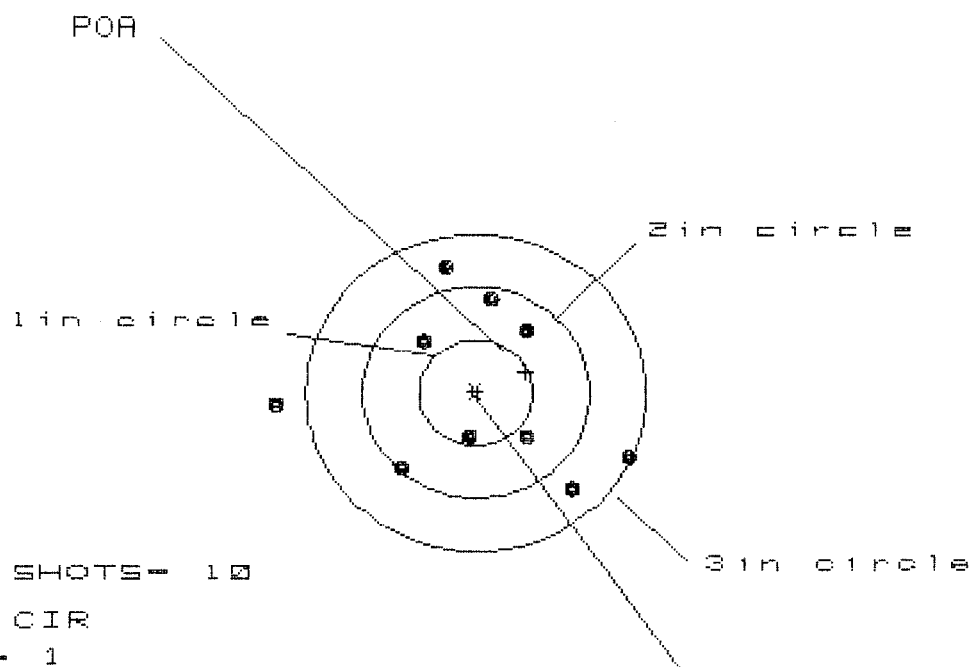
GS= 3.041

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.267	1.091	1.127
MINIMUM X	-1.589	-1.340	-1.304
MAXIMUM Y	1.270	1.352	1.174
MINIMUM Y	-1.506	-1.424	-1.578
CENTROID X	.275	.451	.415
CENTROID Y	.226	.144	.322
POA TO CENTROID in.	.355	.473	.525
MIN RADIUS	.482	.589	.418
MEAN RADIUS	1.185	1.120	1.057
MAX RADIUS	1.751	1.463	1.613
HORIZONTAL SPREAD	2.856	2.431	2.431
VERTICAL SPREAD	2.776	2.776	2.752
EXTREME SPREAD	3.041	2.905	2.905
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

26 Nov 1998

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 3

HS= 3.085

VS= 2.113

GS= 3.119

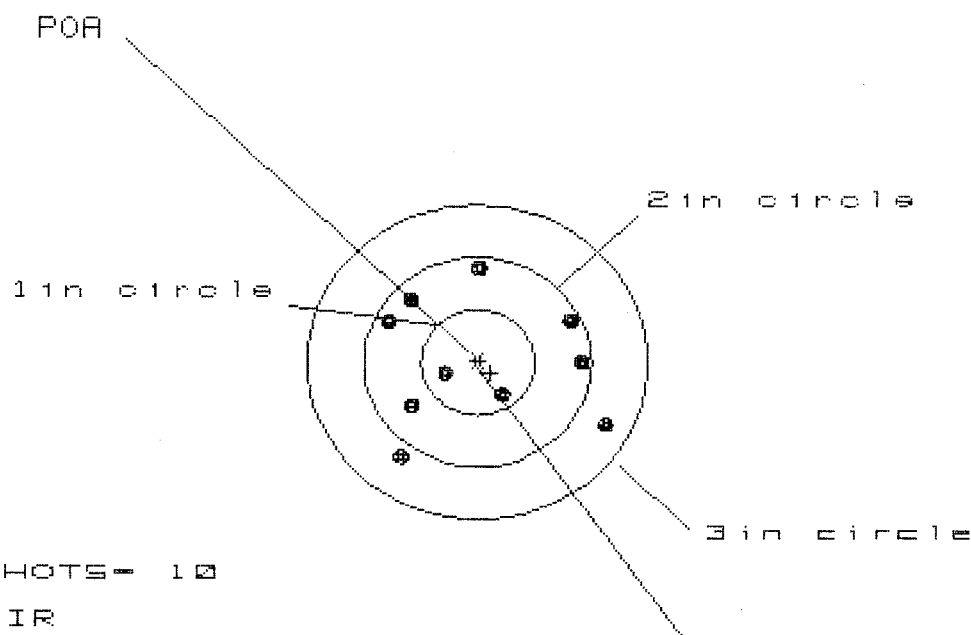
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.367	1.176	.757
MINIMUM X	:	-1.718	-.801	-.653
MAXIMUM Y	:	1.224	1.208	1.131
MINIMUM Y	:	-.889	-.905	-.982
CENTROID X	:	-.441	-.250	-.397
CENTROID Y	:	-.191	-.175	-.098
POA TO CENTROID in.:	:	.481	.306	.409
MIN RADIUS	:	.398	.477	.497
MEAN RADIUS	:	.988	.895	.830
MAX RADIUS	:	1.724	1.329	1.240
HORIZONTAL SPREAD	:	3.085	1.977	1.411
VERTICAL SPREAD	:	2.113	2.113	2.113
EXTREME SPREAD	:	3.119	2.447	2.365
NUMBER IN ONE INCH CIRCLE =	:		1	
NUMBER IN TWO INCH CIRCLE =	:		6	
NUMBER IN THREE INCH CIRCLE =	:		9	

26 Nov 1998

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.935

VS= 1.849

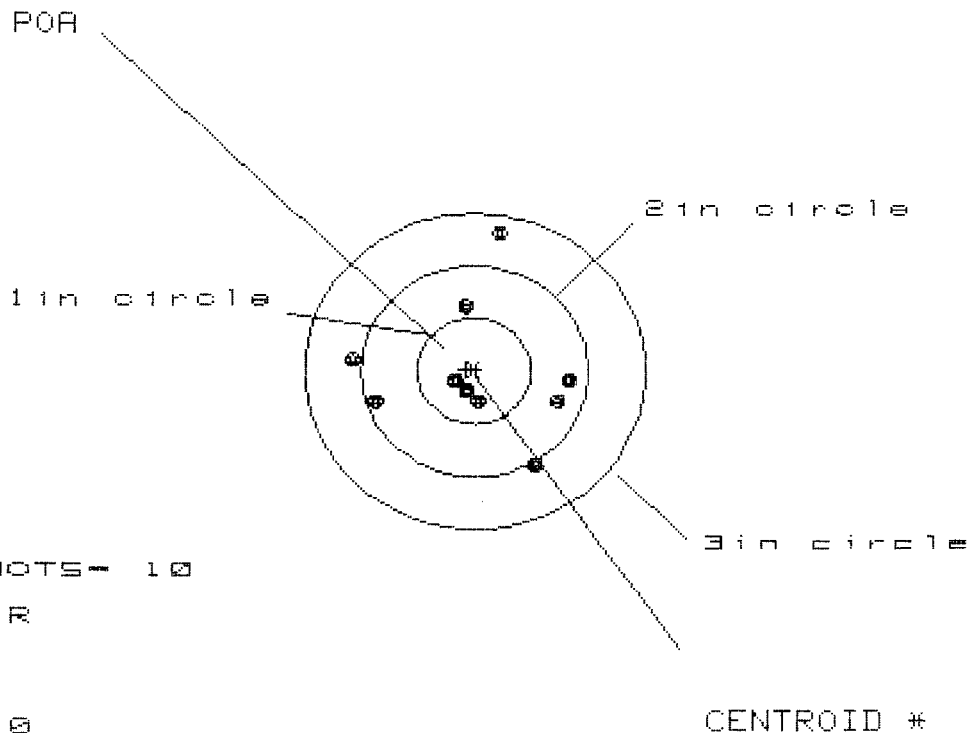
GS= 2.170

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.103	.991	.917
MINIMUM X	:	-.832	-.710	-.784
MAXIMUM Y	:	.947	.879	.758
MINIMUM Y	:	-.903	-.970	-.615
CENTROID X	:	-.115	-.237	-.163
CENTROID Y	:	.100	.167	.288
POA TO CENTROID in.	:	.152	.290	.331
MIN RADIUS	:	.300	.216	.353
MEAN RADIUS	:	.832	.770	.731
MAX RADIUS	:	1.260	1.139	.946
HORIZONTAL SPREAD	:	1.935	1.701	1.701
VERTICAL SPREAD	:	1.849	1.849	1.373
EXTREME SPREAD	:	2.170	2.045	1.752
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

26 Nov 1998

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 7

3 in = 10

HS- 1.937

VS= 2.192

GS= 2.221

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.850	.870	.737
MINIMUM X	:	-1.087	-1.067	-.959
MAXIMUM Y	:	1.326	.799	.826
MINIMUM Y	:	-.867	-.719	-.692
CENTROID X	:	.074	.054	.187
CENTROID Y	:	-.015	-.163	-.190
POA TO CENTROID in.	:	.076	.171	.267
MIN RADIUS	:	.167	.032	.164
MEAN RADIUS	:	.721	.615	.570
MAX RADIUS	:	1.338	1.089	.964
HORIZONTAL SPREAD	:	1.937	1.937	1.696
VERTICAL SPREAD	:	2.192	1.518	1.518
EXTREME SPREAD	:	2.221	1.942	1.708
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.780

VS= 2.593

GS= 3.039

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.257	1.088	1.058
MINIMUM X	:	-1.523	-.708	-.738
MAXIMUM Y	:	1.527	1.408	.777
MINIMUM Y	:	-1.066	-.918	-.742
CENTROID X	:	.000	.169	.199
CENTROID Y	:	.297	.416	.240
POA TO CENTROID in.	:	.297	.449	.311
MIN RADIUS	:	.306	.310	.404
MEAN RADIUS	:	.950	.823	.743
MAX RADIUS	:	1.859	1.428	1.081
HORIZONTAL SPREAD	:	2.780	1.796	1.796
VERTICAL SPREAD	:	2.593	2.326	1.519
EXTREME SPREAD	:	3.039	2.373	2.037
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	