

C6594659

MODEL 700™ M24

Model **S&S**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: **RE00034893** Serial: C6594659 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 11/1/01 8:32:27 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: C CO 2/3RD SFGA C CO 2/3RD SFGA

Address 1: Address 2: PO Box: PO Box:

City: FORT BRAGG FORT BRAGG

State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 Country: US

FEL:

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
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1

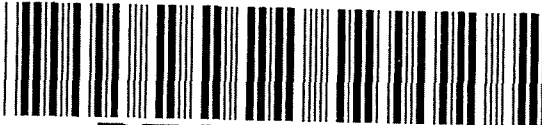
Repair Search Refresh Close

11/1/01 9:49 AM CAPS NUM INS SCPL

Start Inbox - M... Calendar Microsoft... NJBGS C... Arms S... 9:49 AM

Serial Number: **C6594659**

Model: **700**



RE00034893

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594659.___0
FILE DATE AND TIME: 11/27/2001 22:46

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.043
The Average Y Centroid of the Five Target Set:	0.084
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.986
The Distance from POA to Centroid Target #1:	0.286
The Distance from Centroid Target #2 to Centroid Target #1:	0.332
The Distance from Centroid Target #3 to Centroid Target #1:	0.078
The Distance from Centroid Target #4 to Centroid Target #1:	0.490
The Distance from Centroid Target #5 to Centroid Target #1:	0.078

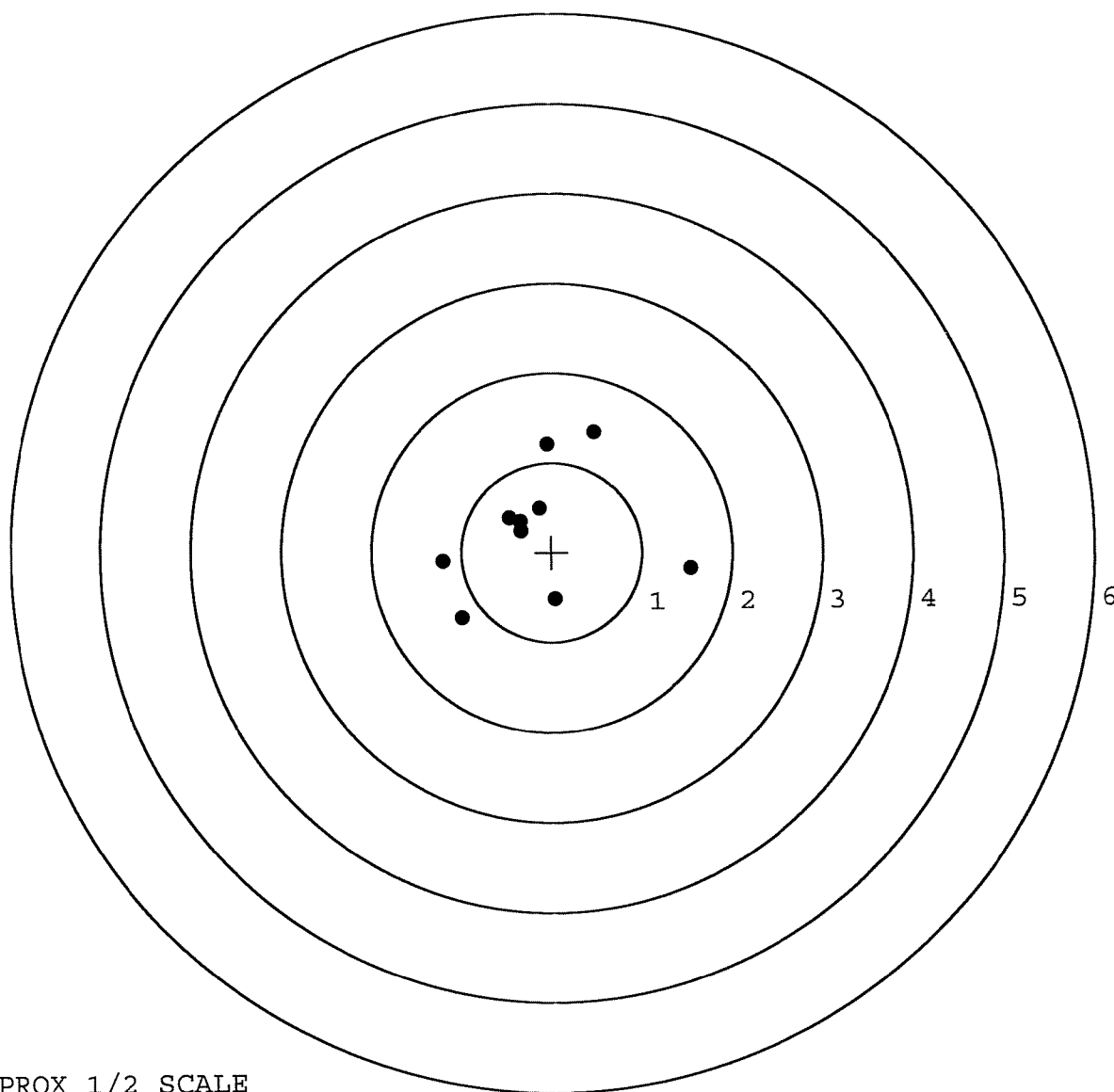
BARBER - M24 0021277

SERIAL NUMBER: C6594659. __0
TARGET NUMBER: 1
FILE DATE: 11/27/2001
FILE TIME: 22:46

X CENTROID: -0.150
Y CENTROID: 0.243
POA TO CENTROID: 0.286
HORZ SPREAD: 2.748
VERT SPREAD: 2.072
GROUP SPREAD: 2.749
MIN RADIUS: 0.193
MAX RADIUS: 1.743
MEAN RADIUS: 0.817

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.474	1.334
2:	-0.047	1.202
3:	-0.138	0.490
4:	-0.343	0.234
5:	-0.468	0.381
6:	-1.210	-0.101
7:	-0.996	-0.738
8:	0.038	-0.521
9:	1.538	-0.191
10:	-0.349	0.343



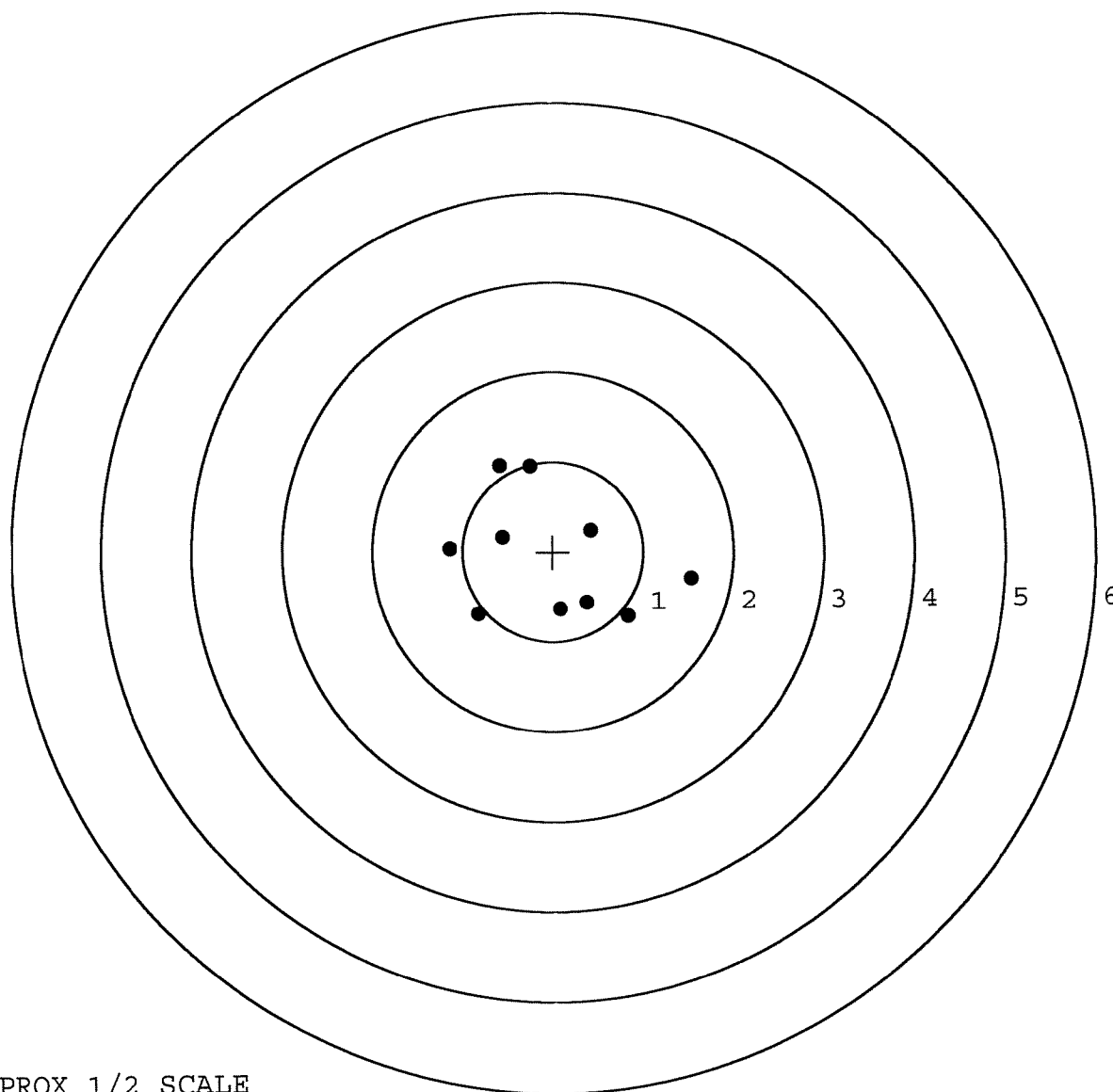
TARGET APPROX 1/2 SCALE

BARBER - M24 0021278

SERIAL NUMBER: C6594659. __0
TARGET NUMBER: 2
FILE DATE: 11/27/2001
FILE TIME: 22:46

X CENTROID: -0.013
Y CENTROID: -0.060
POA TO CENTROID: 0.061
HORZ SPREAD: 2.673
VERT SPREAD: 1.676
GROUP SPREAD: 2.696
MIN RADIUS: 0.526
MAX RADIUS: 1.565
MEAN RADIUS: 0.936
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.586	0.955
2:	-0.247	0.953
3:	-0.560	0.164
4:	-1.142	0.039
5:	0.420	0.239
6:	-0.831	-0.697
7:	0.080	-0.644
8:	0.374	-0.573
9:	0.827	-0.721
10:	1.531	-0.310



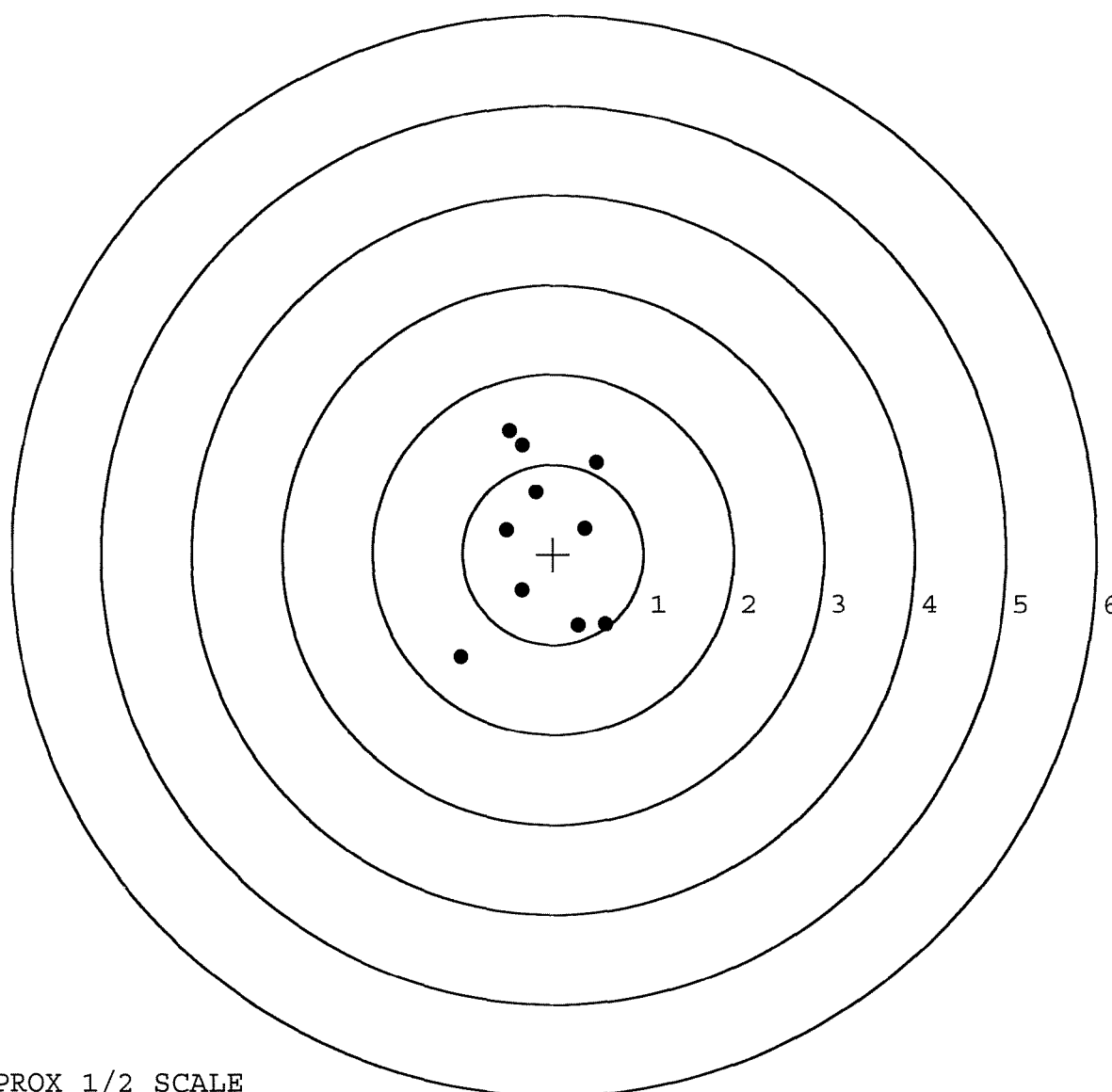
TARGET APPROX 1/2 SCALE

BARBER - M24 0021279

SERIAL NUMBER: C6594659. __0
TARGET NUMBER: 3
FILE DATE: 11/27/2001
FILE TIME: 22:46

X CENTROID: -0.121
Y CENTROID: 0.171
POA TO CENTROID: 0.209
HORZ SPREAD: 1.598
VERT SPREAD: 2.518
GROUP SPREAD: 2.641
MIN RADIUS: 0.408
MAX RADIUS: 1.596
MEAN RADIUS: 0.921
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.489	1.367
2:	-0.350	1.207
3:	-0.198	0.682
4:	0.483	1.023
5:	0.354	0.283
6:	-0.518	0.265
7:	-0.343	-0.406
8:	-1.017	-1.151
9:	0.284	-0.787
10:	0.581	-0.778



TARGET APPROX 1/2 SCALE

BARBER - M24 0021280

SERIAL NUMBER: C6594659. __0

TARGET NUMBER: 4

FILE DATE: 11/27/2001

FILE TIME: 22:46

X CENTROID: 0.144

Y CENTROID: -0.148

POA TO CENTROID: 0.207

HORZ SPREAD: 2.804

VERT SPREAD: 2.398

GROUP SPREAD: 3.308

MIN RADIUS: 0.324

MAX RADIUS: 1.777

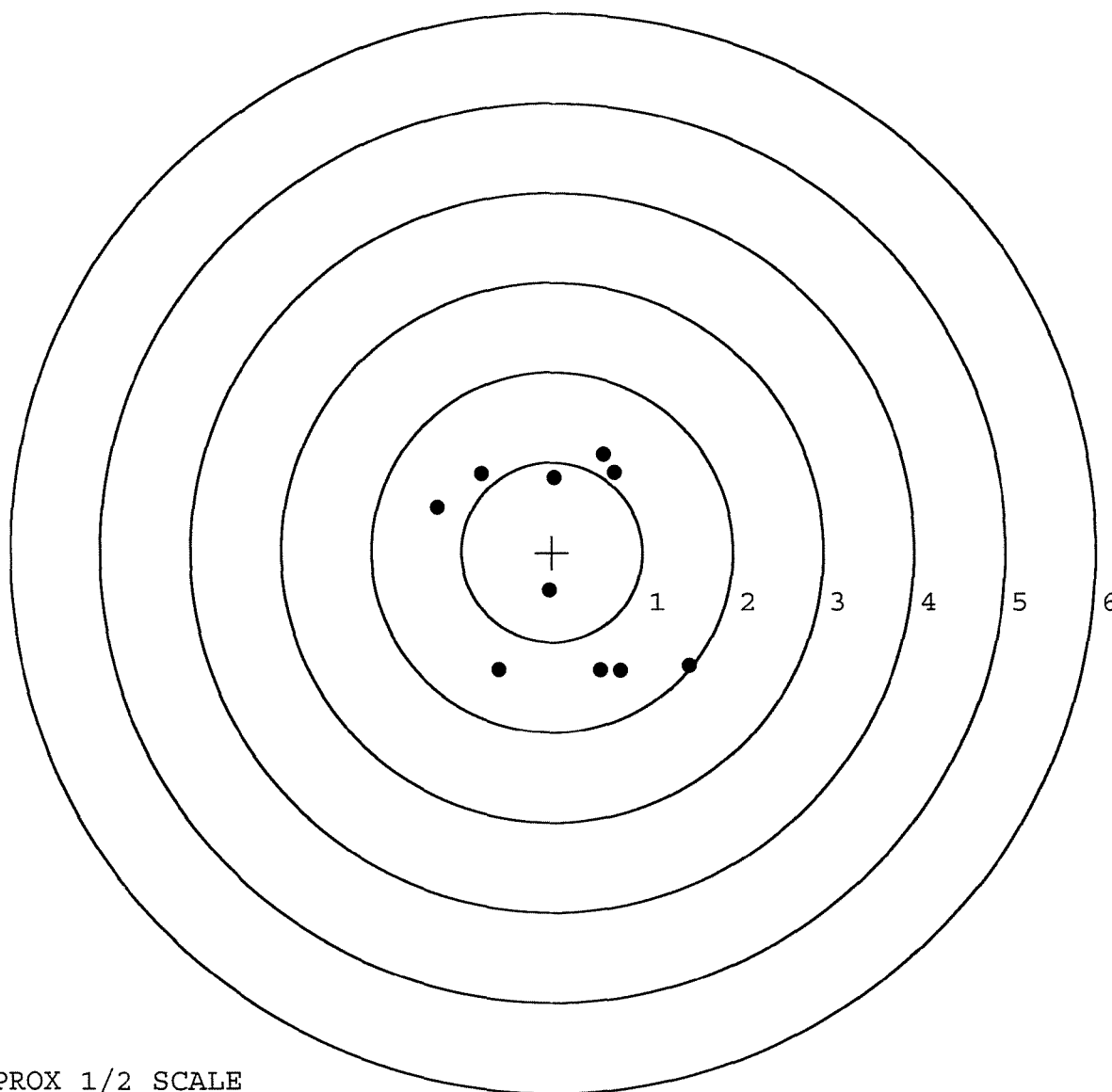
MEAN RADIUS: 1.242

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.688	0.891
2:	0.568	1.081
3:	0.021	0.828
4:	-0.781	0.864
5:	-1.278	0.489
6:	-0.029	-0.422
7:	-0.583	-1.316
8:	0.546	-1.314
9:	0.764	-1.317
10:	1.526	-1.266



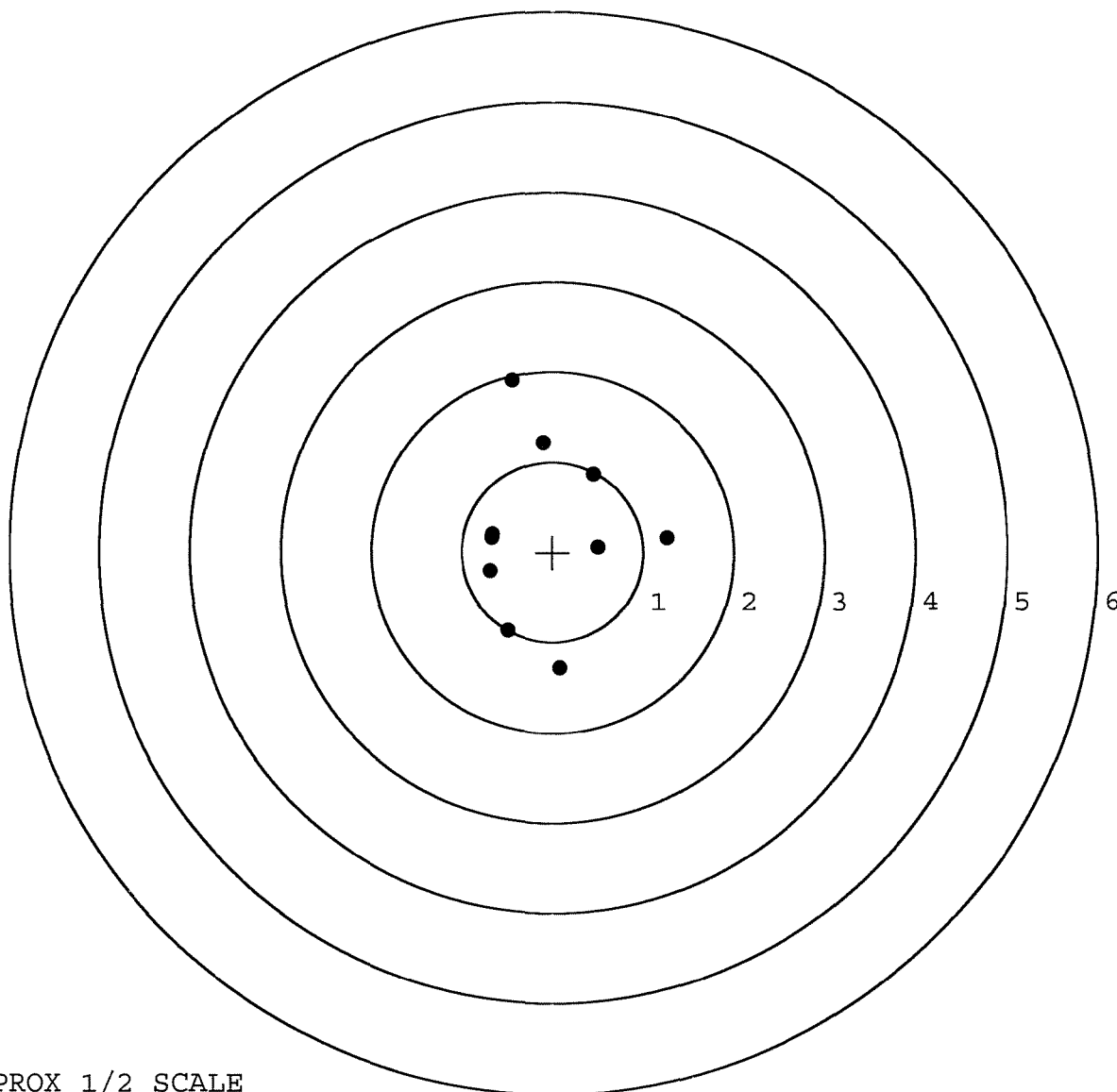
TARGET APPROX 1/2 SCALE

BARBER - M24 0021281

SERIAL NUMBER: C6594659.____0
 TARGET NUMBER: 5
 FILE DATE: 11/27/2001
 FILE TIME: 22:46

X CENTROID: -0.077
 Y CENTROID: 0.215
 POA TO CENTROID: 0.229
 HORZ SPREAD: 1.950
 VERT SPREAD: 3.183
 GROUP SPREAD: 3.227
 MIN RADIUS: 0.589
 MAX RADIUS: 1.721
 MEAN RADIUS: 1.012
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.447	1.896
2:	-0.112	1.210
3:	0.458	0.865
4:	1.260	0.160
5:	0.504	0.056
6:	-0.670	0.154
7:	-0.690	-0.219
8:	-0.491	-0.883
9:	0.085	-1.287
10:	-0.666	0.200



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	34893		
SERIAL NUMBER	C6594659		
LOG-IN DATE	11-1-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-5-01	RJD
560 A	RE-BARREL	11/6	BWT
B	DRILL AND TAP	11/7	BWT
575	ASSEMBLE	11-7-01	RW
600	PROOF	11-7-01	RW
605	CHECK HEADSPACE	11-7-01	RW
610	DIS-ASSEMBLE GUN	11-7-01	RW
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	11/12	(R)
618	ROTO-BLAST	11/14	R
620	APPLY COATINGS	11-15	TA
625 A	FINAL ASSEMBLY	11-20-01	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-28-01	EK
655	FINAL INSPECT	11-28-01	RAL
660	PACK		
		SHIP DATE	
	QAR INSPECTION DATE		

Final Inspection

In: C 6594659

DATE REC'D: 11-1-01

DATE RET'D: 11-28-01

EDITOR: GH

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:

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

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

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

MODEL 700TM M24

SERIAL NO.
C6594659

ORDER NO.
5716

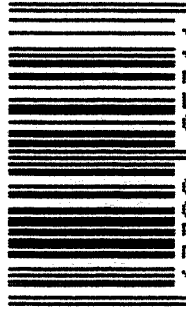
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20



5716 C6594659

UPC



0 47700 25716 7

MOD.		GA. CAL.	GUN #
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	creep in trigger chip in stock at bolt stop	KS
	2nd	Repaired	2/13/91
	3rd		
	4th		

FUNCTION RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6594659

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/20/90	KS
600	Proof		12/20/90	KS
607	Check Headspace		12/20/90	KS
610	Dis-assemble Gun		12/20/90	KS
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes	1 10 91		EB
618	Polish Barrel	1 10 91		WB
620	Apply Coatings (Barrel Action)		1-22-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/4/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/4/91	KL
	C) Inspect Ejector Hole for Chamfer		2/4/91	KL
	D) Oil Firing Pin Ass'y		2/4/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		2/5/91	KL

BARBER - M24 0021288

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			7/5/91	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			7/5/91	WB
	H) Trigger Pull Test & Retainability						2/5/91	JH
	I) Firing Pin Indent	.020	.021	.0205			7/5/91	WB
	J) Assemble Stock						2/6/91	KH
	K) Assemble Swivel Studs						2-26-91	A
	L) Attach Front and Rear Sight Assemblies						2/6/91	KH
	M) Iron Sight Alignment						2/6/91	KH
	N) Detach Front & Rear Sights & place in numbered container						2/6/91	KH
	O) Attach Scope to Rifle						2/6/91	KH
	P) Detach & Attach Scope 20 Times						2/6/91	KH
640	Gallery Target & Test						2-7-91	AC
	A) Time						2-7-91	AC
	B) Malfunctions						2-7-91	AC
	C) Pierced Primers						2-7-91	AC
	D) Optical Clarity of Scope						2-7-91	AC
645	Inspect for Live Ammo						2-7-91	AC
655	Final Inspection						2-26-91	A
	A) Headspace							
	B) Trigger Pull	2.20	2.36	2.41	2.32	2.31	2/22/91	JH
	C) Function						2-26-91	AC
660	Pack						3-14-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594659DATE 2-5-91TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.20	2.35	2.12	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.30	2.28	2.36	
PULL #3	2.31	2.26	2.29	2.41	
PULL #4	2.33	2.27	2.29	2.32	
PULL #5	2.33	2.28	2.29	2.31	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.48		
PULL #2	3.18	3.51		
PULL #3	3.50	3.24		
PULL #4	3.45	3.42		
PULL #5	3.26	3.47		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.32		4.15
PULL #2	4.38	4.10		4.30
PULL #3	4.28	4.38		4.19
PULL #4	4.46	4.49		4.42
PULL #5	4.41	4.14		4.23
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594659
8 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.271827
1 TO	2	.244401
1 TO	3	.428364
1 TO	4	.311905
1 TO	5	.229652

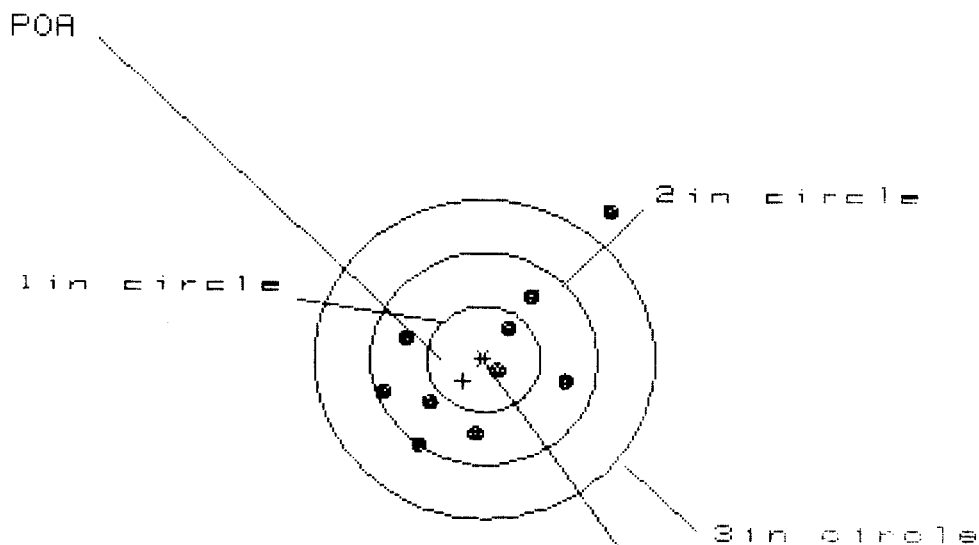
42 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .006
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .075
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0752396
THE AMR FOR THIS RIFLE IS: .8308

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594659

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 9

3 in - 9

HS - 2.021

VS - 2.197

GS - 2.764

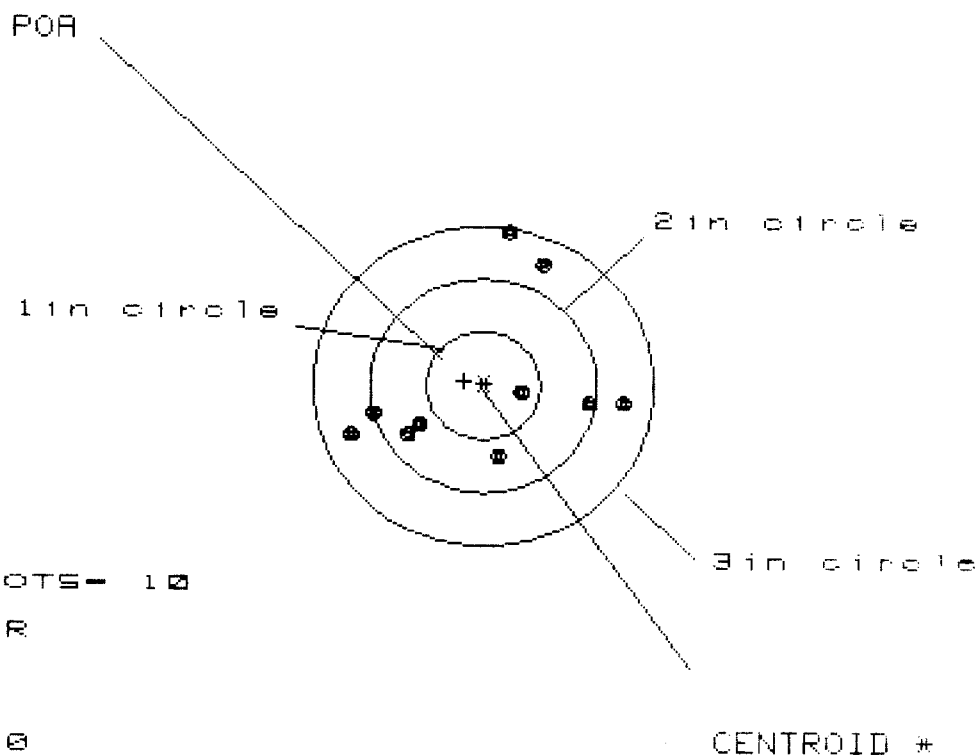
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.131	.874	.821
MINIMUM X	:	-.890	-.764	-.817
MAXIMUM Y	:	1.403	.763	.684
MINIMUM Y	:	-.794	-.639	-.661
CENTROID X	:	.183	.057	.110
CENTROID Y	:	.201	.046	.125
POA TO CENTROID in.	:	.272	.073	.167
MIN RADIUS	:	.200	.295	.242
MEAN RADIUS	:	.786	.656	.636
MAX RADIUS	:	1.802	.914	.836
HORIZONTAL SPREAD	:	2.021	1.638	1.638
VERTICAL SPREAD	:	2.197	1.402	1.345
EXTREME SPREAD	:	2.764	1.678	1.638
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594659

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 1

2in - 5

3in = 10

HS= 2.389

VS= 2.187

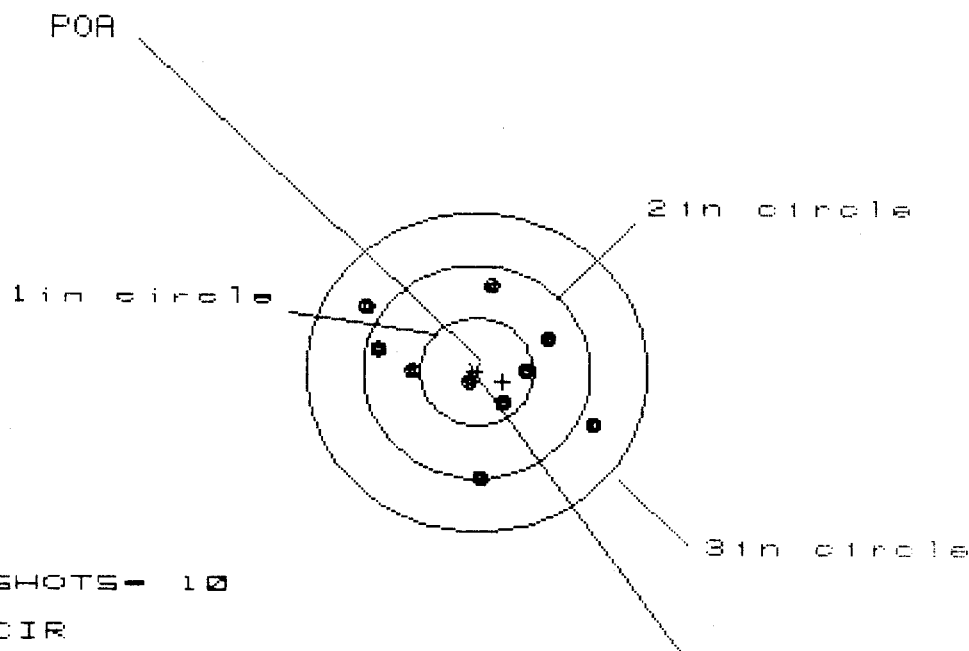
GS= 2.413

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.207	1.230	1.085
MINIMUM X	:	-1.182	-1.159	-1.082
MAXIMUM Y	:	1.483	1.299	1.258
MINIMUM Y	:	-.704	-.539	-.580
CENTROID X	:	.169	.146	.291
CENTROID Y	:	-.043	-.208	-.167
POA TO CENTROID in.	:	.174	.254	.336
MIN RADIUS	:	.319	.355	.205
MEAN RADIUS	:	.974	.886	.840
MAX RADIUS	:	1.497	1.430	1.337
HORIZONTAL SPREAD	:	2.389	2.389	2.167
VERTICAL SPREAD	:	2.187	1.838	1.838
EXTREME SPREAD	:	2.413	2.413	2.171
NUMBER IN ONE INCH CIRCLE	=	1	5	10
NUMBER IN TWO INCH CIRCLE	=	5	10	
NUMBER IN THREE INCH CIRCLE	=	10		

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534659

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 8

3 in - 10

HS- 2.014

VS- 1.793

GS- 2.308

CENTROID *

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.006	.894	.627
MINIMUM X	:	-1.008	-.993	-.882
MAXIMUM Y	:	.809	.876	.819
MINIMUM Y	:	-.984	-.917	-.974
CENTROID X	:	-.231	-.119	-.230
CENTROID Y	:	.091	.024	.081
POA TO CENTROID in.	:	.248	.121	.244
MIN RADIUS	:	.141	.168	.131
MEAN RADIUS	:	.727	.660	.619
MAX RADIUS	:	1.176	1.042	.976
HORIZONTAL SPREAD	:	2.014	1.887	1.509
VERTICAL SPREAD	:	1.793	1.793	1.793
EXTREME SPREAD	:	2.308	2.037	1.795
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594659

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in - 1

2in - 7

3in = 9

HS= 2.141

VS= 2.309

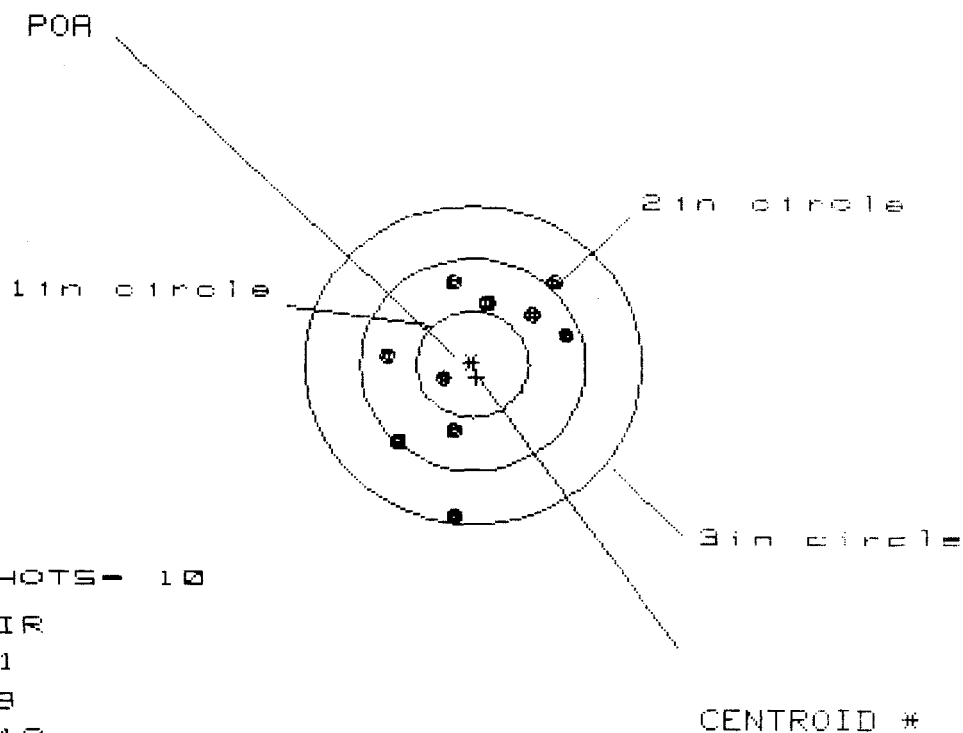
GS= 2.509

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.107	.992	.956
MINIMUM X	:	-1.034	-.963	-.999
MAXIMUM Y	:	1.149	1.002	.873
MINIMUM Y	:	-1.160	-1.032	-.871
CENTROID X	:	-.058	.057	.093
CENTROID Y	:	.003	-.125	.004
POA TO CENTROID in.	:	.058	.138	.093
MIN RADIUS	:	.097	.249	.247
MEAN RADIUS	:	.875	.804	.762
MAX RADIUS	:	1.546	1.070	1.036
HORIZONTAL SPREAD	:	2.141	1.955	1.955
VERTICAL SPREAD	:	2.309	2.034	1.744
EXTREME SPREAD	:	2.509	2.080	2.003
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594659

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 10

HS= 1.562

VS= 2.163

GS= 2.345

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.822	.799	.887
MINIMUM X	:	-.740	-.763	-.675
MAXIMUM Y	:	.764	.609	.683
MINIMUM Y	:	-1.399	-.866	-.791
CENTROID X	:	-.033	-.010	-.098
CENTROID Y	:	.123	.278	.204
POA TO CENTROID in.	:	.127	.279	.226
MIN RADIUS	:	.298	.387	.289
MEAN RADIUS	:	.792	.703	.671
MAX RADIUS	:	1.414	1.080	.969
HORIZONTAL SPREAD	:	1.562	1.562	1.562
VERTICAL SPREAD	:	2.163	1.475	1.475
EXTREME SPREAD	:	2.345	1.987	1.758
NUMBER IN ONE INCH CIRCLE =	:	1	1	1
NUMBER IN TWO INCH CIRCLE =	:	8	8	8
NUMBER IN THREE INCH CIRCLE =	:	10	10	10