

C6594534

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: RE00036060 Serial: C6594534 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOGS 4 of 6 Repairman: Status: New 11/26/01 12:20:59 PM

Verify Repair High Priority

Address Information

Customer: Received From Return To: Received From

Name: CDR A CO 1ST BN 3RD SFG A CDR A CO 1ST BN 3RD SFG A

Address 1: BLDG E1646 BLDG E1646

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

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: 910 432 2369 8084

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case(WOG)	1
A017	Scope Base	1

Repair Search Refresh Close

magletj 11/26/01 1:29 PM CAPS NUM INS SCRL

Start Inbo... Ar... Tho... Part... Scor... Cale... Isra... 1:29 PM

Serial Number: C6594534

Model: 700

RE00036060

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

R & E NUMBER	36060		
SERIAL NUMBER	C6594534		
LOG-IN DATE	11-26-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-26-01	RRK
560 A	RE-BARREL	11/28/01	BWT
B	DRILL AND TAP	11/28/01	BWT
575	ASSEMBLE	11-28-01	RRK
600	PROOF	11-28-01	AC
605	CHECK HEADSPACE	11-29-01	RRK
610	DIS-ASSEMBLE GUN	11-29-01	RRK
612	MAGNAFLUX	OPERATOR	RRK
615	ROLLMARK CALIBER	11-29-01	RRK
618	ROTO-BLAST	11-30-01	DA
620	APPLY COATINGS	11/30/01	H19
625 A	FINAL ASSEMBLY	12-4-01	RRK
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-4-01	AC
655	FINAL INSPECT	12-5-01	RRK
660	PACK	12.5-01	DA
		SHIP DATE	
	QAR INSPECTION DATE		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594543.___0
FILE DATE AND TIME: 12/04/2001 03:35

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.102
The Average Y Centroid of the Five Target Set:	-0.098
The Average Point of Impact of the Five Target Set:	0.141
The Average Mean Radius of the Five Target Set:	1.236
The Distance from POA to Centroid Target #1:	0.628
The Distance from Centroid Target #2 to Centroid Target #1:	0.514
The Distance from Centroid Target #3 to Centroid Target #1:	0.804
The Distance from Centroid Target #4 to Centroid Target #1:	0.576
The Distance from Centroid Target #5 to Centroid Target #1:	0.679

BARBER - M24 0018800

SERIAL NUMBER: C6594543. __ 0

TARGET NUMBER: 1

FILE DATE: 12/04/2001

FILE TIME: 03:35

X CENTROID: -0.583

Y CENTROID: -0.233

POA TO CENTROID: 0.628

HORZ SPREAD: 3.063

VERT SPREAD: 4.567

GROUP SPREAD: 4.569

MIN RADIUS: 0.622

MAX RADIUS: 2.676

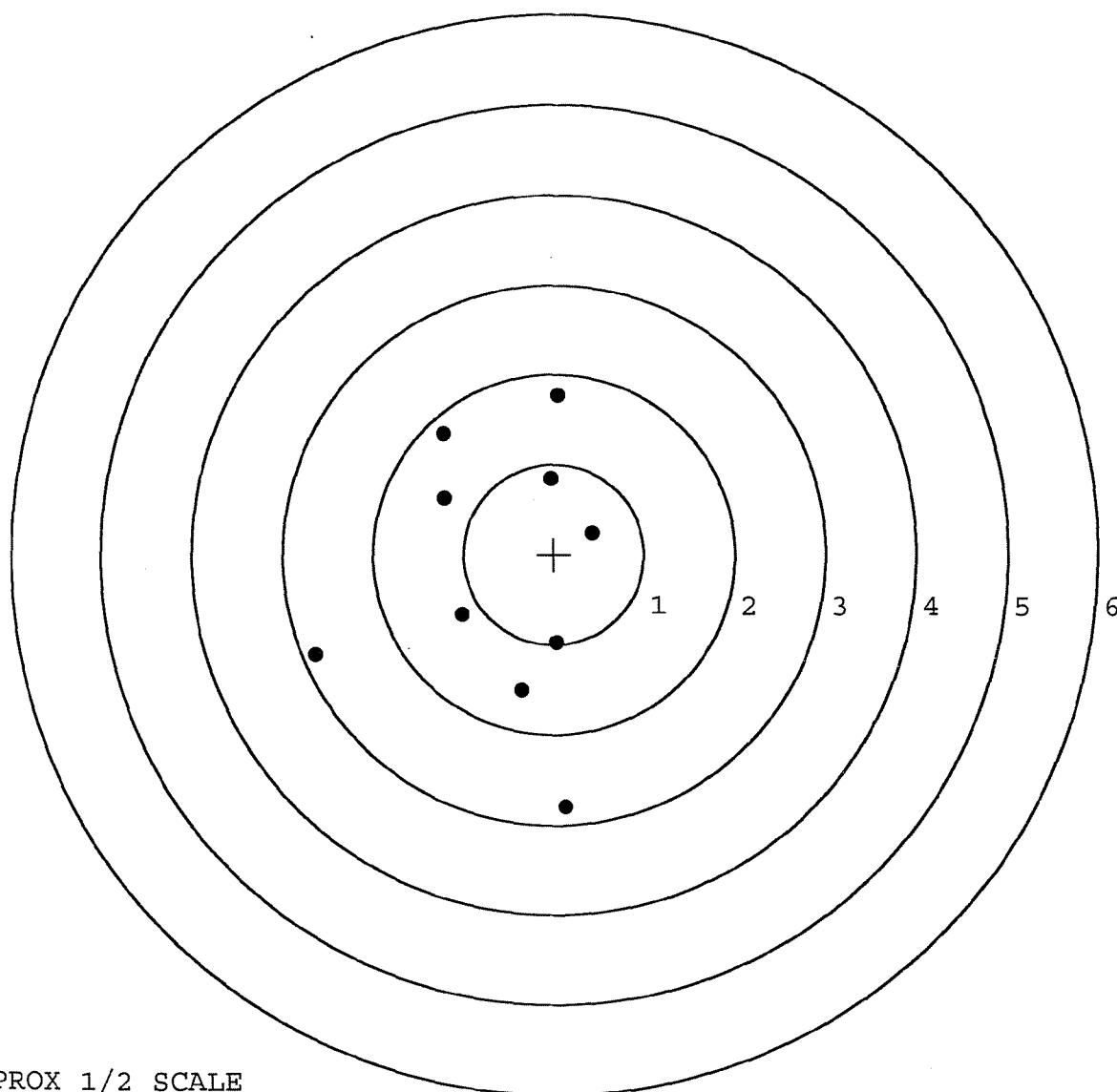
MEAN RADIUS: 1.498

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.031	1.761
2:	-0.044	0.834
3:	0.432	0.245
4:	0.045	-0.986
5:	-0.346	-1.514
6:	0.154	-2.806
7:	-1.011	-0.684
8:	-2.631	-1.135
9:	-1.220	0.619
10:	-1.236	1.331



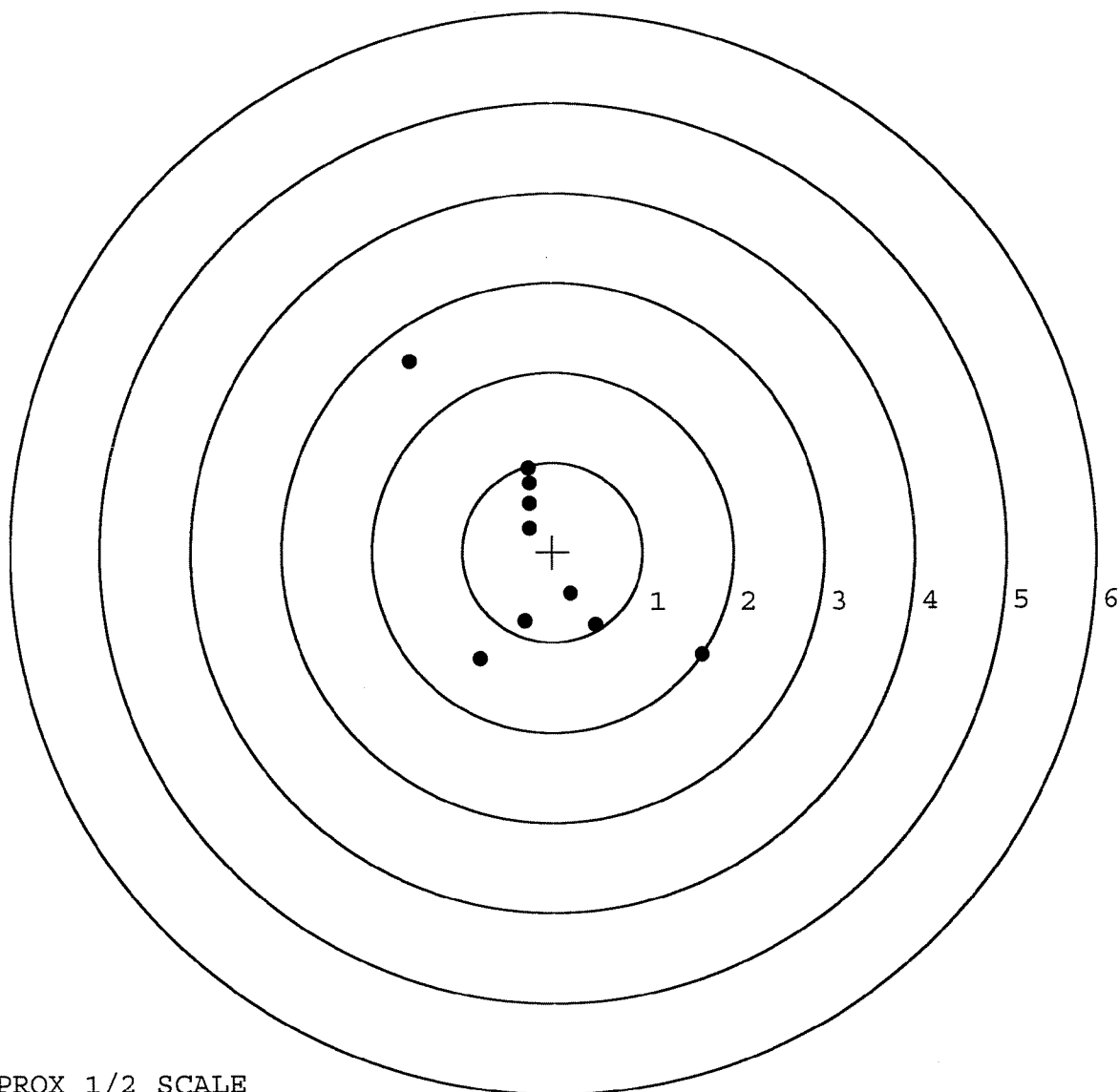
TARGET APPROX 1/2 SCALE

BARBER - M24 0018801

SERIAL NUMBER: C6594543. __0
 TARGET NUMBER: 2
 FILE DATE: 12/04/2001
 FILE TIME: 03:35

POINT#	X	Y
1:	1.653	-1.141
2:	0.478	-0.818
3:	0.206	-0.467
4:	-0.307	-0.775
5:	-0.806	-1.187
6:	-1.577	2.126
7:	-0.267	0.937
8:	-0.255	0.266
9:	-0.255	0.542
10:	-0.254	0.773

X CENTROID: -0.138
 Y CENTROID: 0.026
 POA TO CENTROID: 0.141
 HORZ SPREAD: 3.230
 VERT SPREAD: 3.313
 GROUP SPREAD: 4.594
 MIN RADIUS: 0.267
 MAX RADIUS: 2.546
 MEAN RADIUS: 1.101
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8



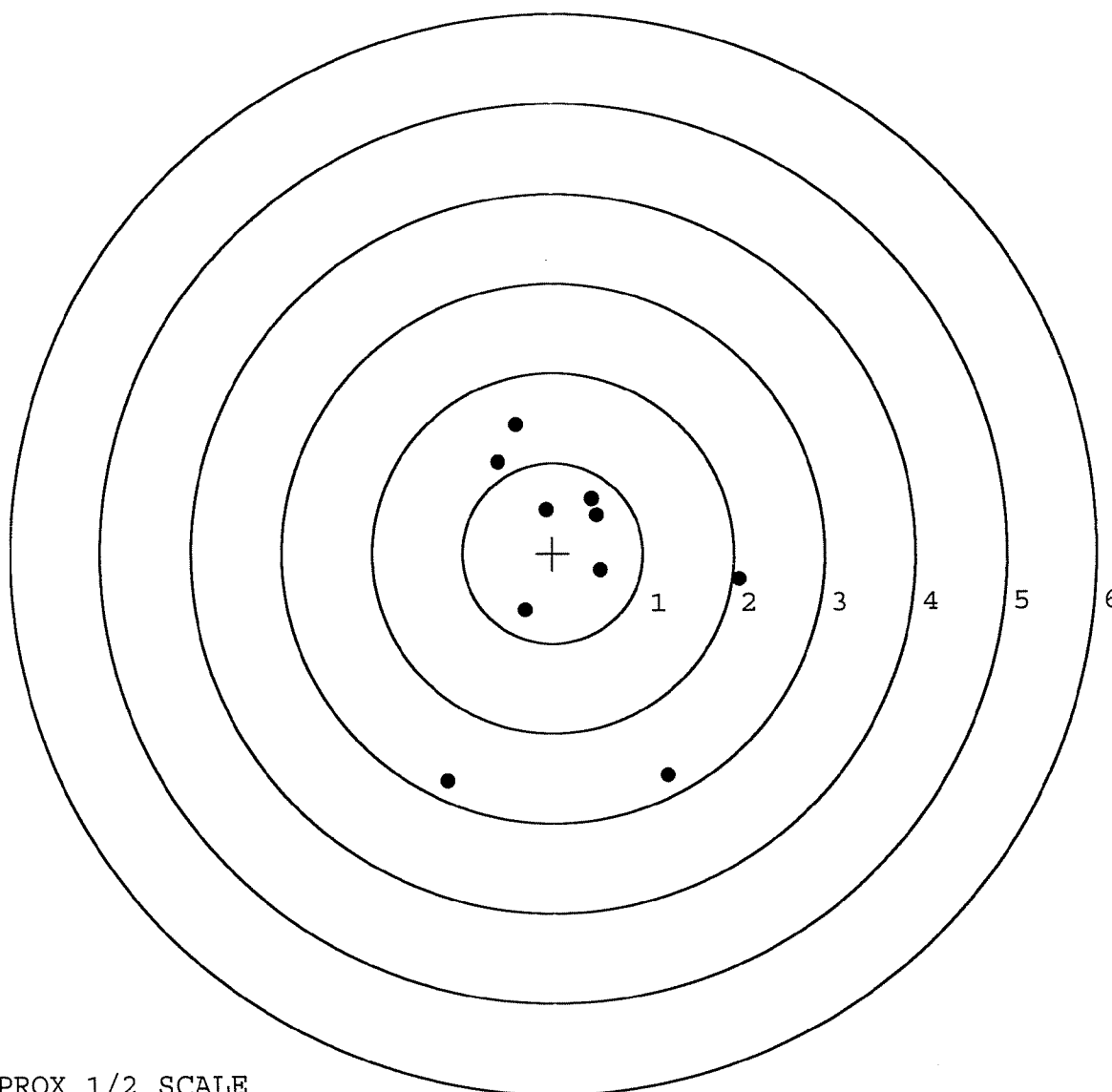
TARGET APPROX 1/2 SCALE

BARBER - M24 0018802

SERIAL NUMBER: C6594543. __0
TARGET NUMBER: 3
FILE DATE: 12/04/2001
FILE TIME: 03:35

POINT#	X	Y
1:	-0.405	1.425
2:	-0.606	1.011
3:	0.440	0.603
4:	0.491	0.426
5:	-0.068	0.484
6:	0.527	-0.192
7:	-0.312	-0.637
8:	2.060	-0.295
9:	1.262	-2.475
10:	-1.178	-2.539

X CENTROID: 0.221
Y CENTROID: -0.219
POA TO CENTROID: 0.311
HORZ SPREAD: 3.238
VERT SPREAD: 3.964
GROUP SPREAD: 4.039
MIN RADIUS: 0.307
MAX RADIUS: 2.709
MEAN RADIUS: 1.357
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 6



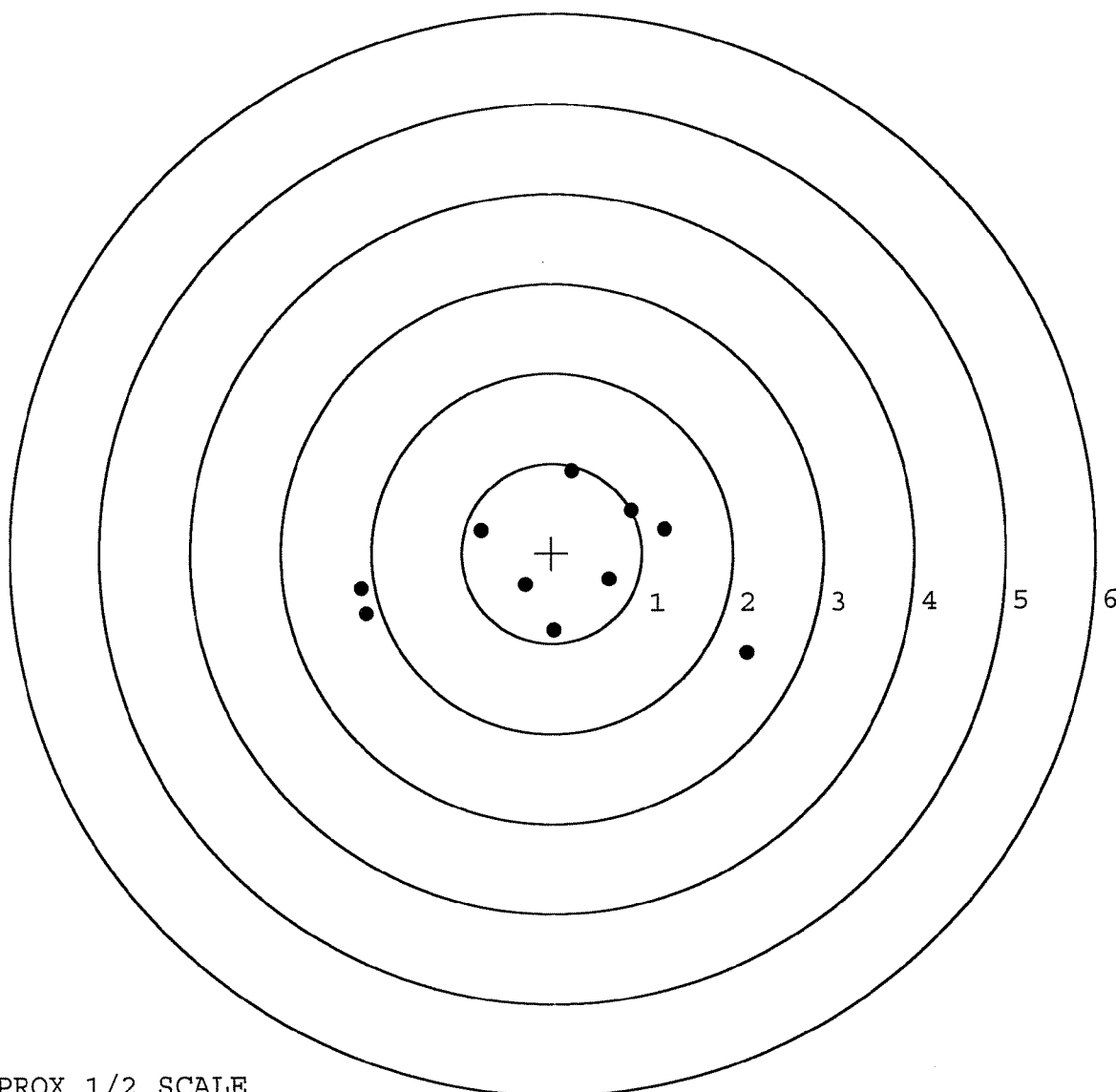
TARGET APPROX 1/2 SCALE

BARBER - M24 0018803

SERIAL NUMBER: C6594543. __0
TARGET NUMBER: 4
FILE DATE: 12/04/2001
FILE TIME: 03:35

POINT#	X	Y
1:	0.229	0.918
2:	-0.783	0.257
3:	-2.118	-0.390
4:	-2.064	-0.671
5:	0.880	0.477
6:	1.249	0.265
7:	0.635	-0.296
8:	-0.296	-0.359
9:	0.023	-0.863
10:	2.150	-1.118

X CENTROID: -0.009
Y CENTROID: -0.178
POA TO CENTROID: 0.178
HORZ SPREAD: 4.268
VERT SPREAD: 2.036
GROUP SPREAD: 4.330
MIN RADIUS: 0.339
MAX RADIUS: 2.355
MEAN RADIUS: 1.271
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

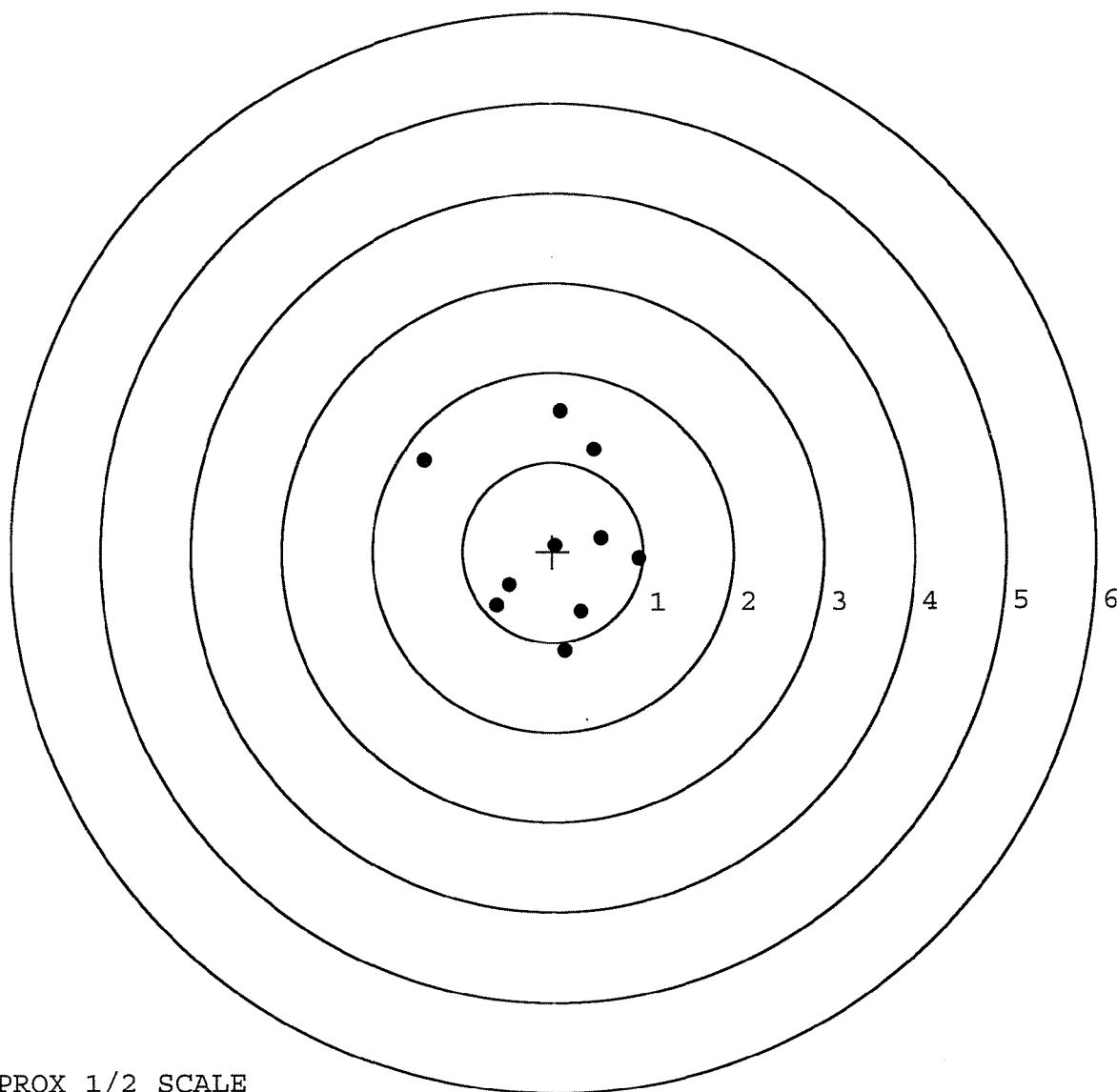
BARBER - M24 0018804

SERIAL NUMBER: C6594543. __ 0
 TARGET NUMBER: 5
 FILE DATE: 12/04/2001
 FILE TIME: 03:35

X CENTROID: 0.000
 Y CENTROID: 0.116
 POA TO CENTROID: 0.116
 HORZ SPREAD: 2.381
 VERT SPREAD: 2.662
 GROUP SPREAD: 2.631
 MIN RADIUS: 0.056
 MAX RADIUS: 1.690
 MEAN RADIUS: 0.953

POINT#	X	Y
1:	0.097	1.568
2:	0.466	1.144
3:	-1.425	1.023
4:	0.534	0.154
5:	0.956	-0.075
6:	-0.484	-0.370
7:	-0.625	-0.598
8:	0.314	-0.664
9:	0.138	-1.094
10:	0.032	0.069

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



TARGET APPROX 1/2 SCALE

Remington [®]		DUPONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700TM M24		SERIAL NO. C6594534	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.			



5716 C6594534

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6594534

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/27/90	K.S.
600	Proof		12/27/90	K.S.
607	Check Headspace		12/27/90	K.S.
610	Dis-assemble Gun		12/27/90	K.S.
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	LS.
617	Drill and Tap Sight Holes	1 10 91		LB
618	Polish Barrel	1 10 91		LB
620	Apply Coatings (Barrel Action)		1/22/91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/30/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/30/91	KS
	C) Inspect Ejector Hole for Chamfer		1/30/91	KS
	D) Oil Firing Pin Ass'y		1/30/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1/31/91	JA

BARBER - M24 0018807

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.5	4.	4.5			1/31/91	JK
	G) Safety Off Force	2.5	2.5	2.5			1/31/91	JK
	H) Trigger Pull Test & Retainability						1/31/91	JK
	I) Firing Pin Indent	.020	.020	.020			1/31/91	JK
	J) Assemble Stock						2/5/91	JK
	K) Assemble Swivel Studs						2-26-91	AC
	L) Attach Front and Rear Sight Assemblies						2/5/91	JK
	M) Iron Sight Alignment						2/5/91	JK
	N) Detach Front & Rear Sights & place in numbered container						2/5/91	JK
	O) Attach Scope to Rifle						2/5/91	JK
	P) Detach & Attach Scope 20 Times						2/5/91	JK
640	Gallery Target & Test						2/6/91	KS
	A) Time						1/1	KS
	B) Malfunctions						1/1	KS
	C) Pierced Primers						1/1	KS
	D) Optical Clarity of Scope						1/1	KS
645	Inspect for Live Ammo						2/6/91	KS
655	Final Inspection							
	A) Headspace						2-26-91	AC
	B) Trigger Pull	2.75	2.79	2.82	2.18	2.18	2/22/91	JK
	C) Function	2.20	2.18	2.13			2-26-91	AC
660	Pack						3-14-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO

06594334

DATE

1/31/91

TESTER

JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.36	2.40	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.39	2.43	2.18	
PULL #3	2.26	2.36	2.48	2.15	
PULL #4	2.32	2.37	2.32	2.18	
PULL #5	2.32	2.42	2.30	2.18	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.37		
PULL #2	3.35	3.40		
PULL #3	3.41	3.41		
PULL #4	3.50	3.52		
PULL #5	3.37	3.44		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.44		4.50
PULL #2	4.40	4.50		4.56
PULL #3	4.50	4.29		4.42
PULL #4	4.49	4.50		4.44
PULL #5	4.46	4.51		4.42
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594534
7 Feb 1991

CENTROIDAL DISTANCES

Ø TO	1	.368978
1 TO	2	.0505668
1 TO	3	.640112
1 TO	4	.532798
1 TO	5	.384427

$\frac{2.9}{4}$ <----FOR

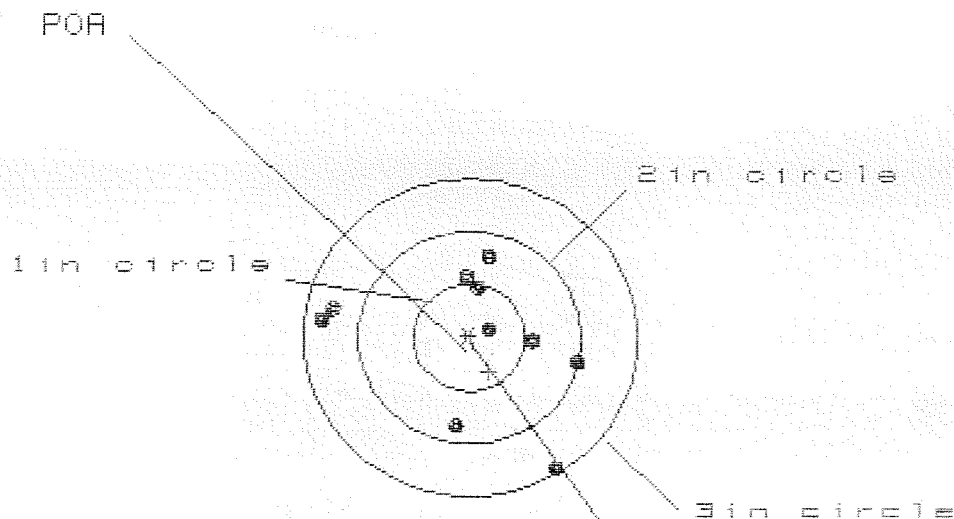
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0862
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1854
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .204459

THE AMR FOR THIS RIFLE IS: .9372

7 Feb 1931

FILE:/PATTERNING/CENTERFIRE_PATT/C8334534

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.370

VS= 1.976

GS= 2.546

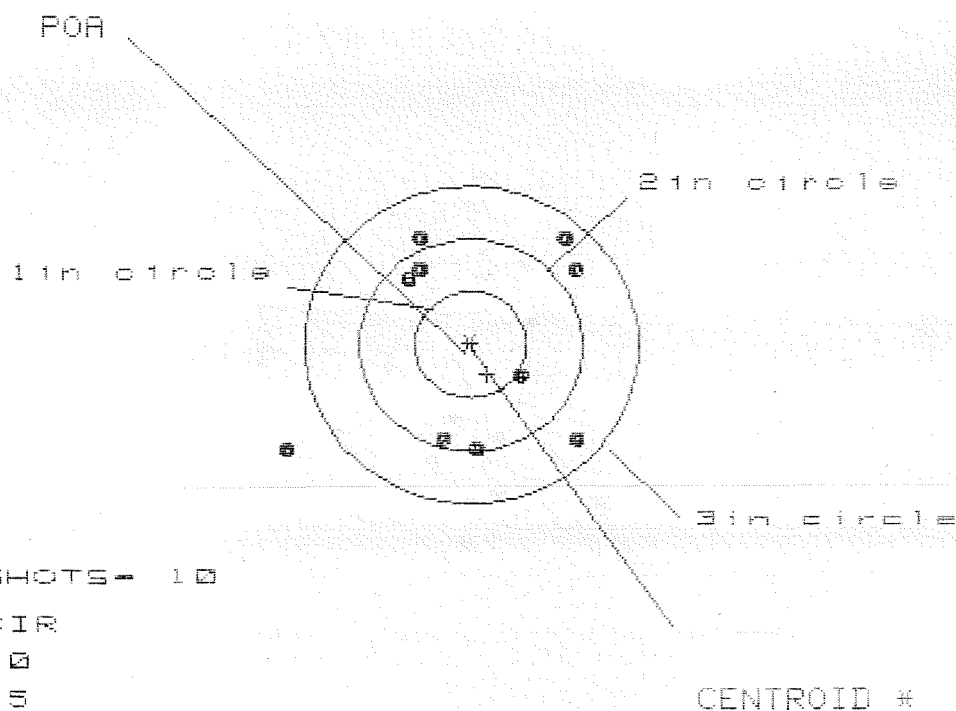
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.018	1.104	.946
MINIMUM X	-1.352	-1.266	-1.323
MAXIMUM Y	.773	.639	.647
MINIMUM Y	-1.204	-.948	-.940
CENTROID X	-.169	-.255	-.097
CENTROID Y	.328	.461	.453
POA TO CENTROID in.	.369	.527	.463
MIN RADIUS	.191	.258	.102
MEAN RADIUS	.858	.780	.679
MAX RADIUS	1.430	1.268	1.327
HORIZONTAL SPREAD	2.370	2.370	2.269
VERTICAL SPREAD	1.976	1.587	1.587
EXTREME SPREAD	2.546	2.415	2.322
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08534534

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS = 2.566

VS = 1.998

GS = 3.129

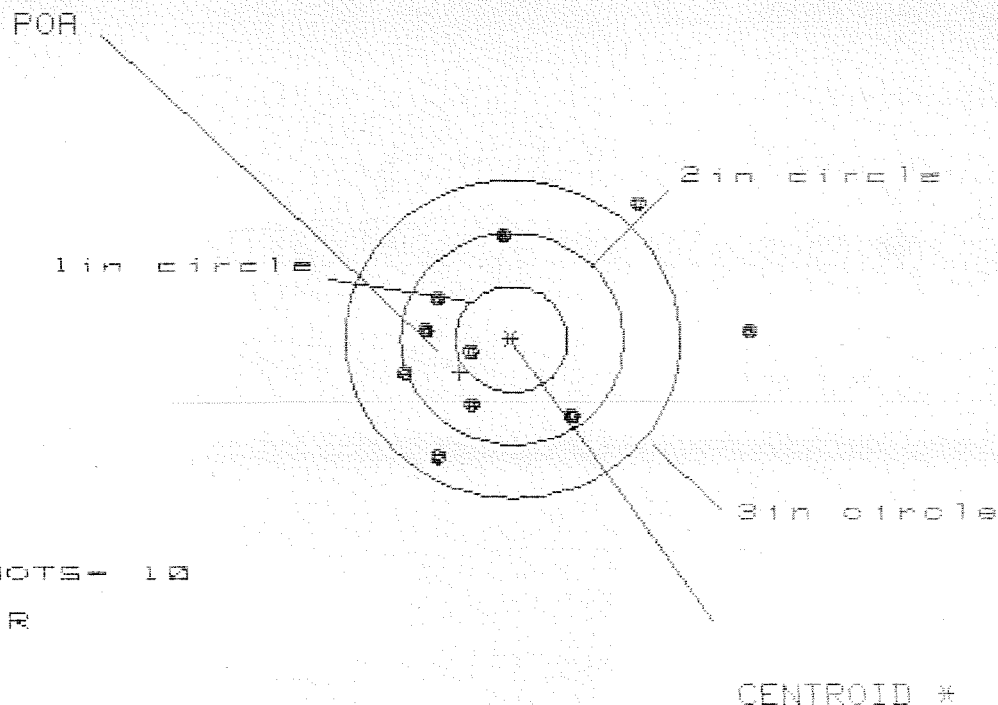
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.957	.779	.873
MINIMUM X	-1.609	-.722	-.628
MAXIMUM Y	1.004	.893	.769
MINIMUM Y	-.994	-1.084	-1.208
CENTROID X	-.148	.030	-.064
CENTROID Y	.282	.393	.517
POA TO CENTROID in.	.319	.394	.521
MIN RADIUS	.527	.475	.631
MEAN RADIUS	1.085	.978	.929
MAX RADIUS	1.891	1.247	1.208
HORIZONTAL SPREAD	2.566	1.501	1.501
VERTICAL SPREAD	1.998	1.977	1.977
EXTREME SPREAD	3.129	2.313	2.170
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594534

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS= 3.040

VS= 2.434

GS= 3.060

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.088	1.385	.903
MINIMUM X	:	-.952	-.719	-.546
MAXIMUM Y	:	1.328	1.334	1.171
MINIMUM Y	:	-1.106	-1.100	-.933
CENTROID X	:	.471	.238	.065
CENTROID Y	:	.316	.310	.143
POA TO CENTROID in.	:	.567	.391	.158
MIN RADIUS	:	.395	.188	.053
MEAN RADIUS	:	1.064	.874	.676
MAX RADIUS	:	2.089	1.923	1.229
HORIZONTAL SPREAD	:	3.040	2.104	1.449
VERTICAL SPREAD	:	2.434	2.434	2.104
EXTREME SPREAD	:	3.060	3.025	2.192
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	

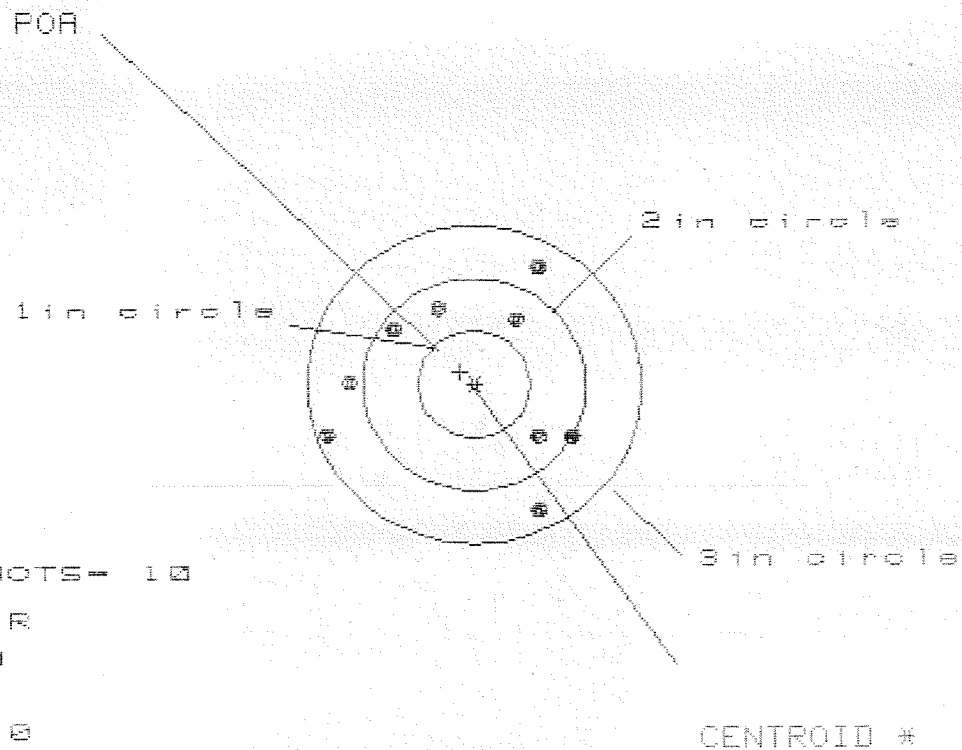
BARBER - M24 0018813

NUMBER IN THREE INCH CIRCLE = 8

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594534

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 6

3 in = 10

HS= 2.123

VS= 2.276

QS= 2.428

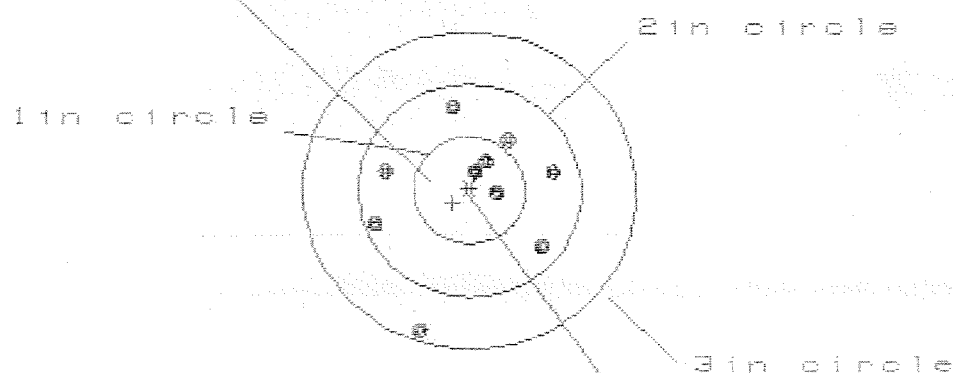
PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.839	.696	.750
MINIMUM X	-1.284	-1.291	-1.237
MAXIMUM Y	1.114	1.059	.907
MINIMUM Y	-1.162	-1.217	-.705
CENTROID X	.124	.267	.213
CENTROID Y	-.117	-.062	.090
POA TO CENTROID in.	.171	.274	.232
MIN RADIUS	.706	.631	.530
MEAN RADIUS	.989	.925	.868
MAX RADIUS	1.377	1.291	1.250
HORIZONTAL SPREAD	2.123	1.987	1.987
VERTICAL SPREAD	2.276	2.276	1.612
EXTREME SPREAD	2.428	2.276	2.056
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	10	

7 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C659+534

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.604

VS= 2.099

GS= 2.112

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.778	.733	.625
MINIMUM X	-.826	-.871	-.929
MAXIMUM Y	.753	.603	.546
MINIMUM Y	-1.346	-.671	-.728
CENTROID X	.153	.198	.306
CENTROID Y	.118	.268	.325
POA TO CENTROID in.	.193	.333	.447
MIN RADIUS	.172	.044	.121
MEAN RADIUS	.690	.563	.494
MAX RADIUS	1.406	.984	.929
HORIZONTAL SPREAD	1.604	1.604	1.554
VERTICAL SPREAD	2.099	1.274	1.274
EXTREME SPREAD	2.112	1.687	1.583
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	