

C6348964

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



BARBER - M24 0042712



RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

140 - RESEARCH INSTITUTE

"RECOMMENDATIONS"

COPY "O" (OFFICIAL) ☒ "X" (EXTRA) ☐

TOTAL RETENTION: 3 YEARS AFTER

SUPERSEDED OR OBSOLETE

GS-11050 Rev. 8/78

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0042712

BARBER - M24 0042713

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

BARBER - M24 0042713 **M2400942752**

SI 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: **RE00087070** Serial: C6348954 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/27/2004 9:31:10 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **ELECTRONIC MAIN SHOP GSC 10TH DIV** **ELECTRONIC MAIN SHOP GSC 10TH DIV**

Address 1: **ATTN MSG BARTRON SPC LAUBAUGH** **ATTN MSG BARTRON SPC LAUBAUGH**

Address 2: **BLDG 7426 RM 203 BAD TOELZ** **BLDG 7426 RM 203 BAD TOELZ** PO Box:

City: **FORT CARSON** **FORT CARSON**

State: **CO** Zip Code: **80913** Country: **US** State: **CO** Zip Code: **80913** Country: **US**

FEL ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

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
A017	Scope Base	1
A026	Scope	1
C000	F AND R SGT BASES	1

Repair Search Refresh Close

magletj 10/27/2004 12:00 PM CAPS NUM INS SCRL

start 2 3 2

Serial Number: **C6348964**

Model: **M24 SWS**



RE00087070

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348964.___0
FILE DATE AND TIME: 11/16/2004 07:29

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

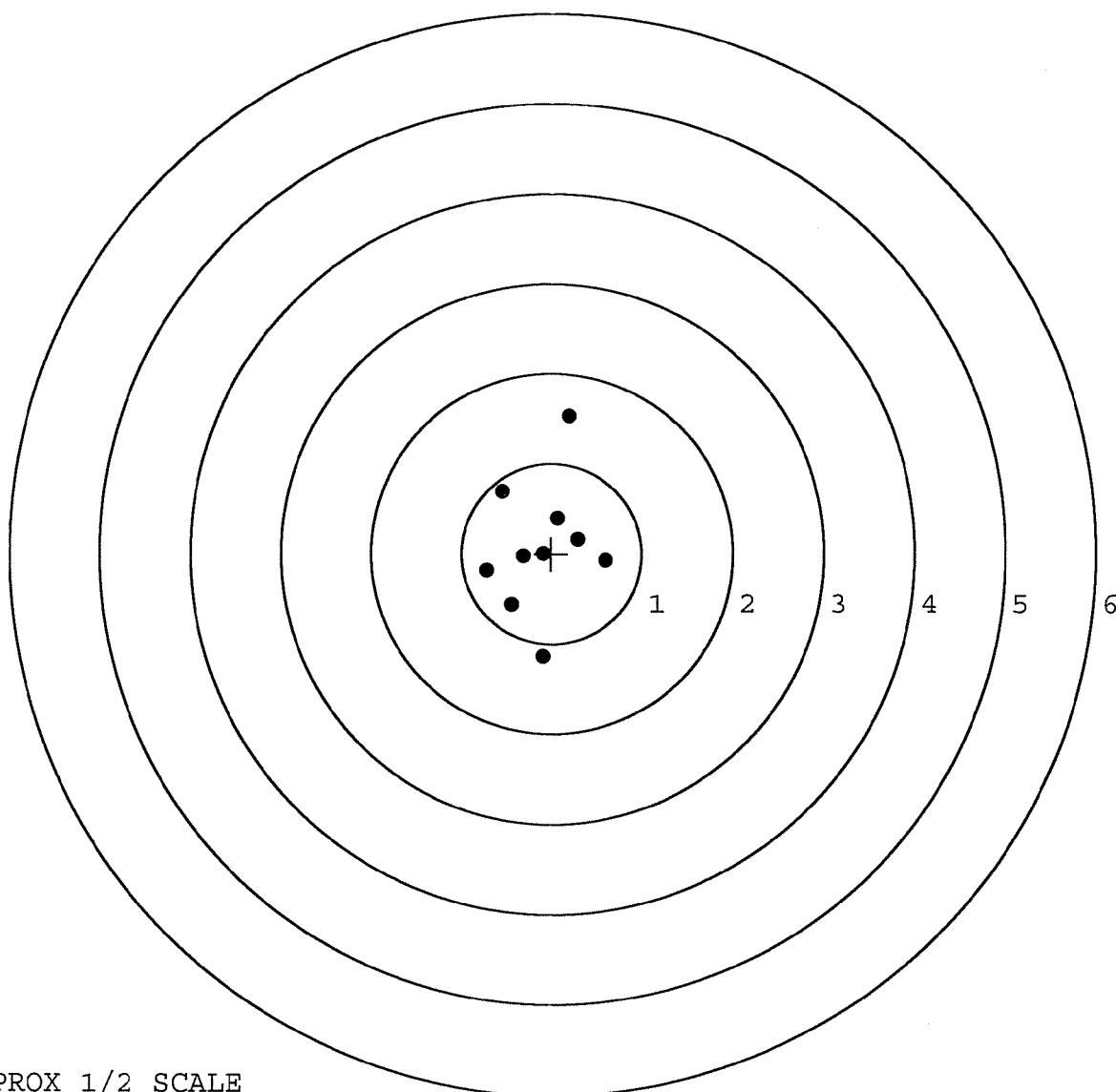
The Average X Centroid of the Five Target Set:	-0.042
The Average Y Centroid of the Five Target Set:	0.044
The Average Point of Impact of the Five Target Set:	0.061
The Average Mean Radius of the Five Target Set:	0.820
The Distance from POA to Centroid Target #1:	0.129
The Distance from Centroid Target #2 to Centroid Target #1:	0.114
The Distance from Centroid Target #3 to Centroid Target #1:	0.230
The Distance from Centroid Target #4 to Centroid Target #1:	0.401
The Distance from Centroid Target #5 to Centroid Target #1:	0.229

BARBER - M24 0042716

SERIAL NUMBER: C6348964. __0
 TARGET NUMBER: 1
 FILE DATE: 11/16/2004
 FILE TIME: 07:29

POINT#	X	Y
1:	0.195	1.523
2:	-0.548	0.690
3:	0.604	-0.075
4:	-0.091	-1.151
5:	-0.442	-0.570
6:	0.071	0.398
7:	0.295	0.166
8:	-0.089	-0.004
9:	-0.318	-0.030
10:	-0.722	-0.190

X CENTROID: -0.105
 Y CENTROID: 0.076
 POA TO CENTROID: 0.129
 HORZ SPREAD: 1.326
 VERT SPREAD: 2.674
 GROUP SPREAD: 2.689
 MIN RADIUS: 0.081
 MAX RADIUS: 1.478
 MEAN RADIUS: 0.668
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



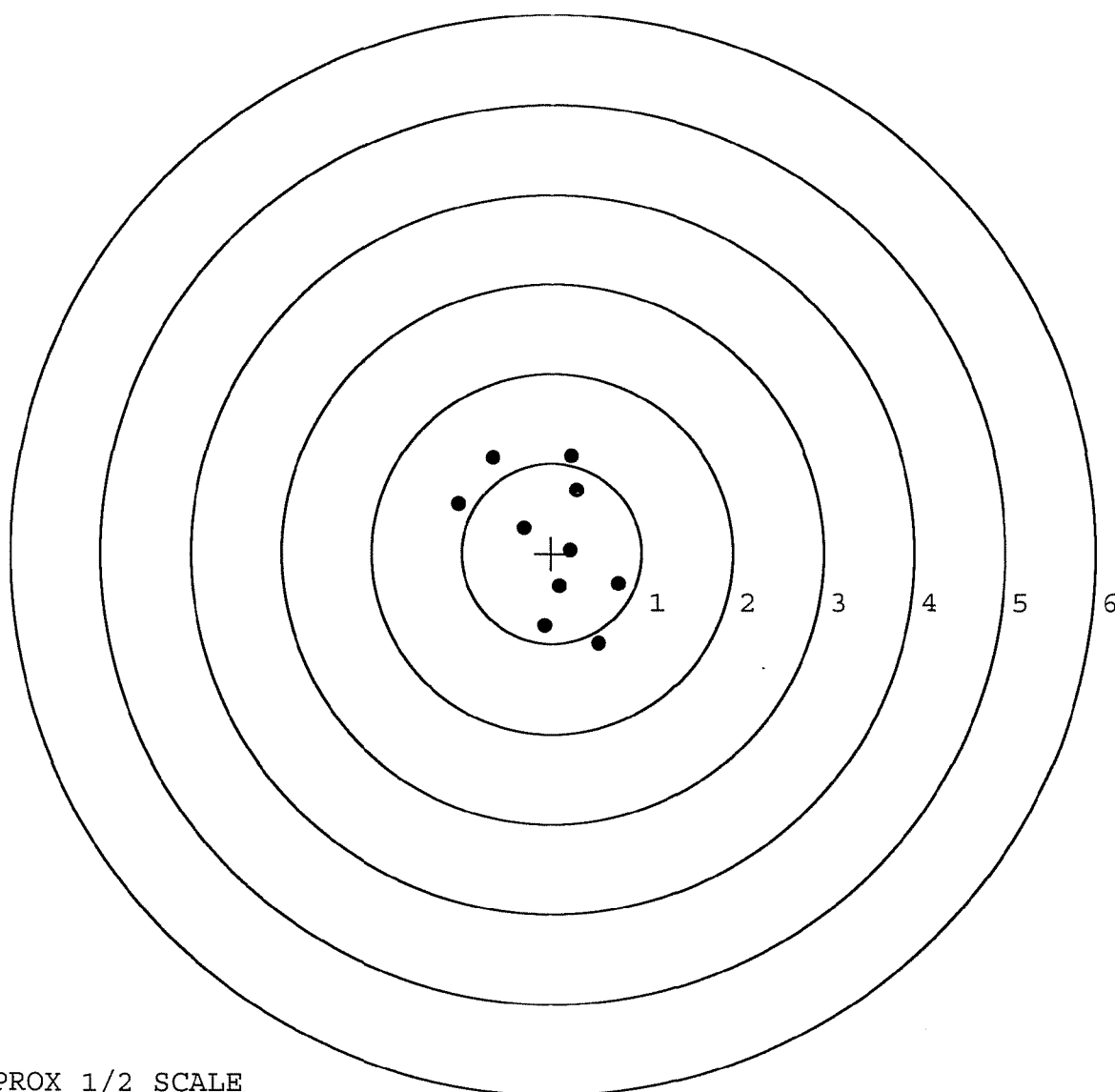
TARGET APPROX 1/2 SCALE

BARBER - M24 0042717

SERIAL NUMBER: C6348964. __0
TARGET NUMBER: 2
FILE DATE: 11/16/2004
FILE TIME: 07:29

POINT#	X	Y
1:	0.225	1.082
2:	0.285	0.705
3:	-0.655	1.063
4:	-1.034	0.551
5:	-0.308	0.286
6:	0.208	0.037
7:	0.091	-0.373
8:	0.745	-0.346
9:	0.526	-1.005
10:	-0.074	-0.811

X CENTROID: 0.001
Y CENTROID: 0.119
POA TO CENTROID: 0.119
HORZ SPREAD: 1.779
VERT SPREAD: 2.087
GROUP SPREAD: 2.381
MIN RADIUS: 0.223
MAX RADIUS: 1.241
MEAN RADIUS: 0.804
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



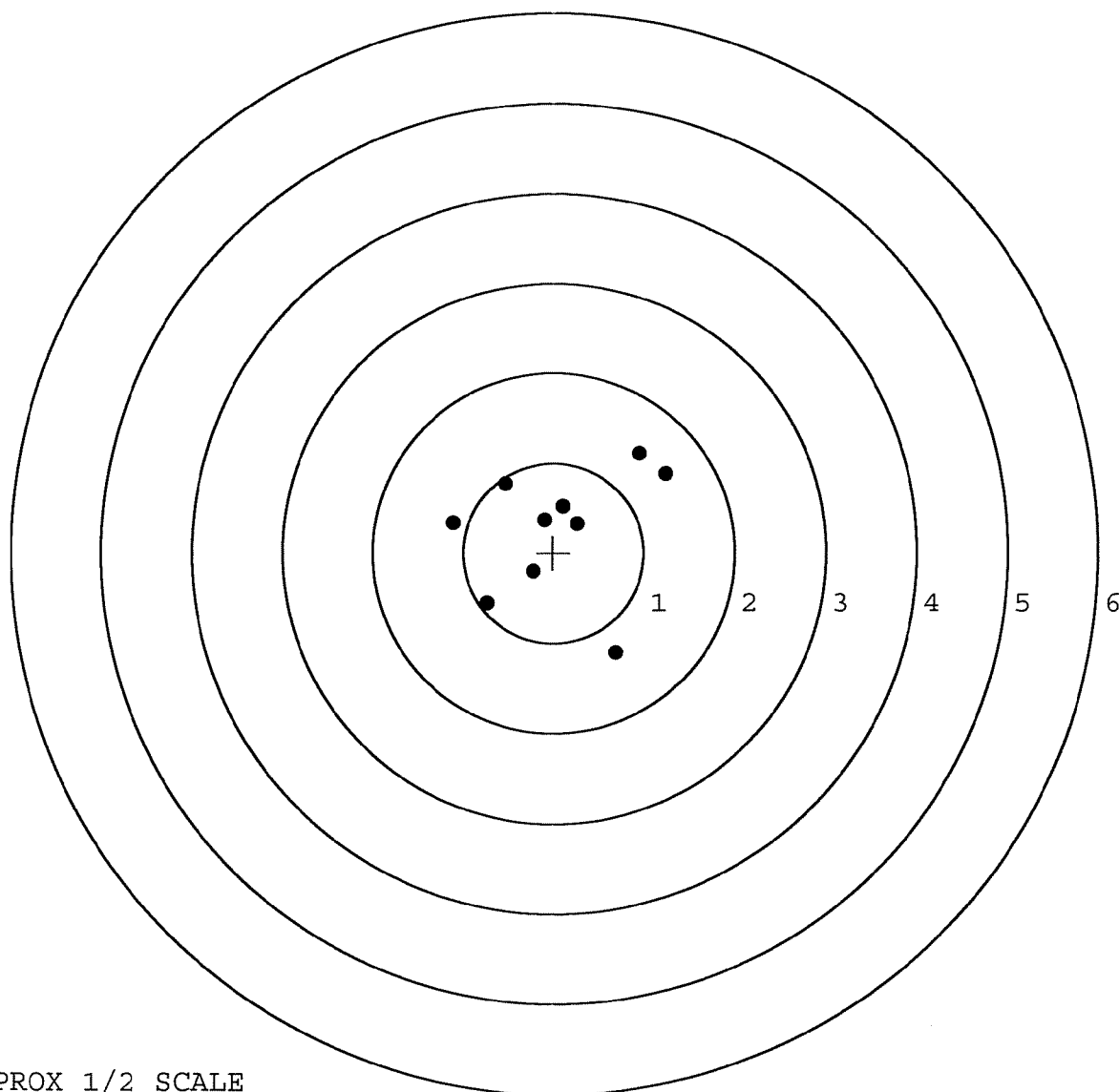
TARGET APPROX 1/2 SCALE

BARBER - M24 0042718

SERIAL NUMBER: C6348964. __0
TARGET NUMBER: 3
FILE DATE: 11/16/2004
FILE TIME: 07:29

POINT#	X	Y
1:	0.951	1.107
2:	1.236	0.885
3:	0.696	-1.110
4:	0.113	0.518
5:	0.268	0.322
6:	-0.099	0.365
7:	-0.223	-0.210
8:	-0.734	-0.563
9:	-1.113	0.327
10:	-0.538	0.770

X CENTROID: 0.056
Y CENTROID: 0.241
POA TO CENTROID: 0.247
HORZ SPREAD: 2.349
VERT SPREAD: 2.217
GROUP SPREAD: 2.310
MIN RADIUS: 0.198
MAX RADIUS: 1.495
MEAN RADIUS: 0.842
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10



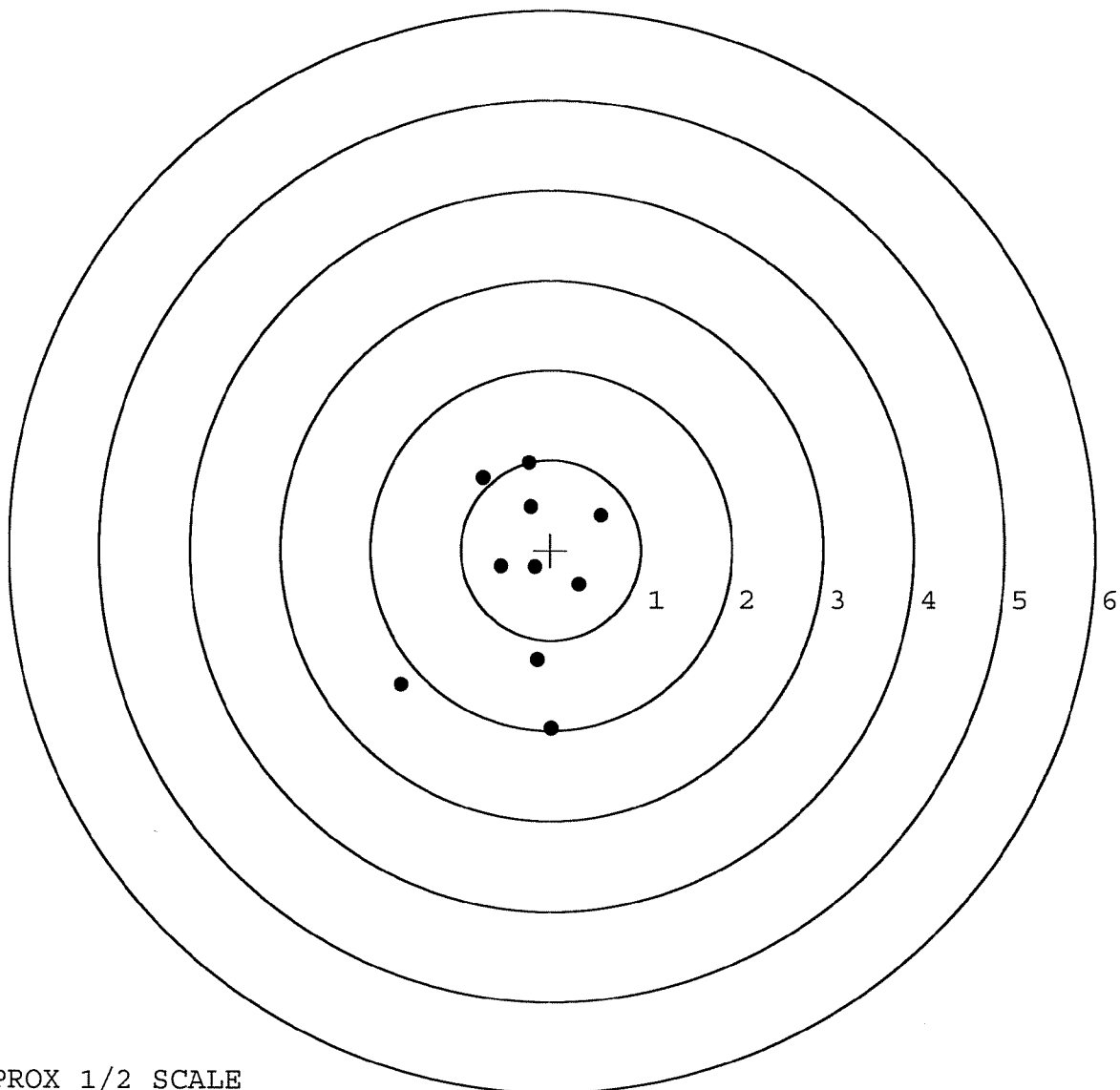
TARGET APPROX 1/2 SCALE

BARBER - M24 0042719

SERIAL NUMBER: C6348964.____0
 TARGET NUMBER: 4
 FILE DATE: 11/16/2004
 FILE TIME: 07:29

POINT#	X	Y
1:	-0.756	0.801
2:	-0.246	0.972
3:	0.556	0.393
4:	-0.223	0.484
5:	-0.177	-0.193
6:	-0.556	-0.182
7:	-1.654	-1.502
8:	0.320	-0.383
9:	-0.141	-1.222
10:	0.014	-1.985

X CENTROID: -0.286
 Y CENTROID: -0.282
 POA TO CENTROID: 0.402
 HORZ SPREAD: 2.210
 VERT SPREAD: 2.957
 GROUP SPREAD: 2.911
 MIN RADIUS: 0.141
 MAX RADIUS: 1.833
 MEAN RADIUS: 0.984
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 8



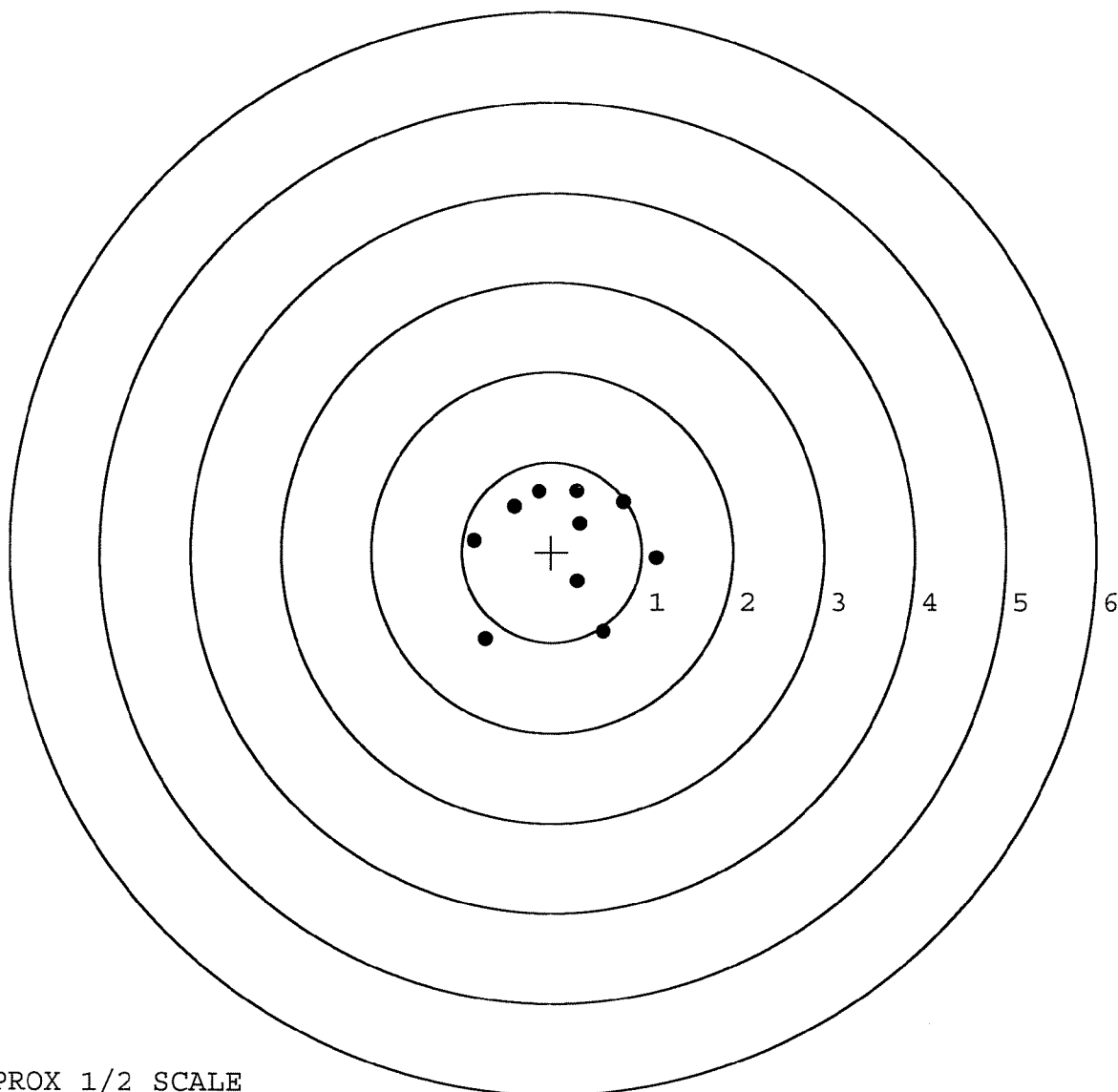
TARGET APPROX 1/2 SCALE

BARBER - M24 0042720

SERIAL NUMBER: C6348964. __0
 TARGET NUMBER: 5
 FILE DATE: 11/16/2004
 FILE TIME: 07:29

POINT#	X	Y
1:	0.282	0.685
2:	0.795	0.566
3:	0.316	0.322
4:	1.155	-0.063
5:	0.576	-0.883
6:	0.287	-0.321
7:	-0.739	-0.970
8:	-0.864	0.128
9:	-0.146	0.676
10:	-0.417	0.507

X CENTROID: 0.125
 Y CENTROID: 0.065
 POA TO CENTROID: 0.140
 HORZ SPREAD: 2.019
 VERT SPREAD: 1.655
 GROUP SPREAD: 2.171
 MIN RADIUS: 0.321
 MAX RADIUS: 1.348
 MEAN RADIUS: 0.801
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	87070		
SERIAL NUMBER	C6348964		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-30-04	RTL
560 A	RE-BARREL	11-2-04	RTL
B	DRILL AND TAP	11-4-04	RTL
575	ASSEMBLE	11-2-04	RTL
600	PROOF	11-3-04	RTL
605	CHECK HEADSPACE	11-3-04	RTL
610	DIS-ASSEMBLE GUN	11-4-04	RTL
612	MAGNAFLUX	11-5-04	RTL
615	ROLLMARK CALIBER	11-5-04	LB
618	ROTO-BLAST	11-6-04	LB
620	APPLY COATINGS	11-9	RTL
625 A	FINAL ASSEMBLY	11-15-04	RTL
B	TRIGGER PULL TEST	N/A	N/A
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-16-04	AC
655	FINAL INSPECT	11-17-04	AC
660	PACK	11-17-04	RTL
		SHIP DATE	
QAR INSPECTION DATE			

BARBER - M24 0042722 RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 95-10953

INITIAL CUSTOMER ORDER NO.

FJB

W/10X SCOPE SNIPER W/DEPLOYMENT KIT

ATTN: FRED MARTIN *Scope S/N 90 0600*

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

03/30/95

03/31/95

DJ 9-89

C6348964

700 7.62

NATO

ACCESSORIES

SCOPE MNTS

SCOPE BASE

HARD CASE

SOFT CASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL
36201-5025

CUST NO: 098397 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

7-11-96 UPS

GUN CONDITION

- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

*✓ NEW Stock
✓ BARREL
✓ TRIGGER ASSY
✓ FIRING PIN ASSY*

✓ Front & Rear Sight ASSY

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0042722

op. #	BARBER - M24 0042723 OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	7	7	7	7-11	REP		
	G) Safety Off Force	4	4	4	7-11	REP		
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.024	.0245	.0245	7-11	REP		
	J) Assemble Stock				7-11	REP		
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle				7-11	REP		
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.42	2.27	2.35	2.34	2.30	8/2	SF
	C) Function							
660	Pack							

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348964

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7-11	REP
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7-11	REP
	C) Inspect Ejector Hole for Chamfer		7-11	REP
	D) Oil Firing Pin Ass'y		7-11	REP
	E) Adjust Trigger Pull to Min Setting and Stake			

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6348964
DATE 7-10-96
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.65	2.72	2.65		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.62	2.70	2.70		
PULL #3	2.65	2.81	2.78		
PULL #4	2.33	2.55	2.73		
PULL #5	2.76	2.77	2.60		
TOTAL	13.01	13.55	13.46		
AVG.	2.60	2.71	2.69		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.07		
PULL #2	3.17	3.01		
PULL #3	3.04	3.06		
PULL #4	3.12	3.04		
PULL #5	3.06	3.12		
TOTAL	15.56	15.30		
AVG.	3.11	3.06		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.11		4.17
PULL #2	4.12	4.04		4.13
PULL #3	4.02	4.05		4.04
PULL #4	4.21	4.04		4.01
PULL #5	4.00	4.00		4.17
TOTAL	20.47	20.24		20.52
AVG.	4.09	4.04		4.10

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348964
1 Jan 1980

CENTROIDAL DISTANCES

0 TO	1	.466341
1 TO	2	.647877
1 TO	3	.469879
1 TO	4	.281789
1 TO	5	.994024

$\bar{x}_5$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0292
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.016
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0332962

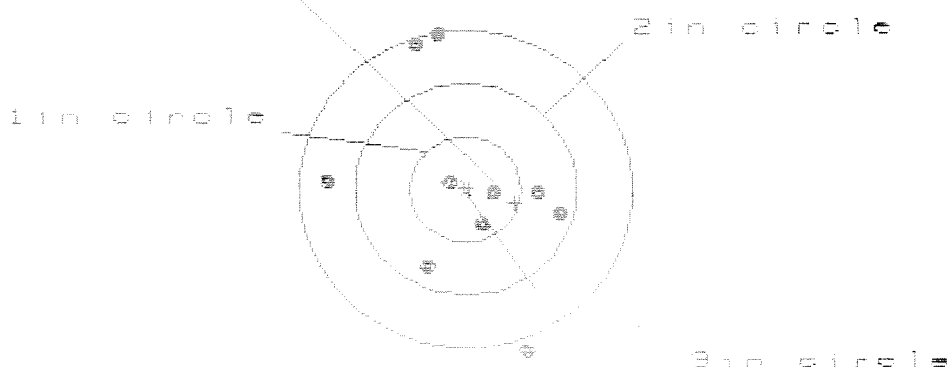
THE AMR FOR THIS RIFLE IS: .9962

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08348964

CENTERFIRE PATTERNS # 1

POA



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 1

CENTROID *

HS= 2.146

VS= 2.966

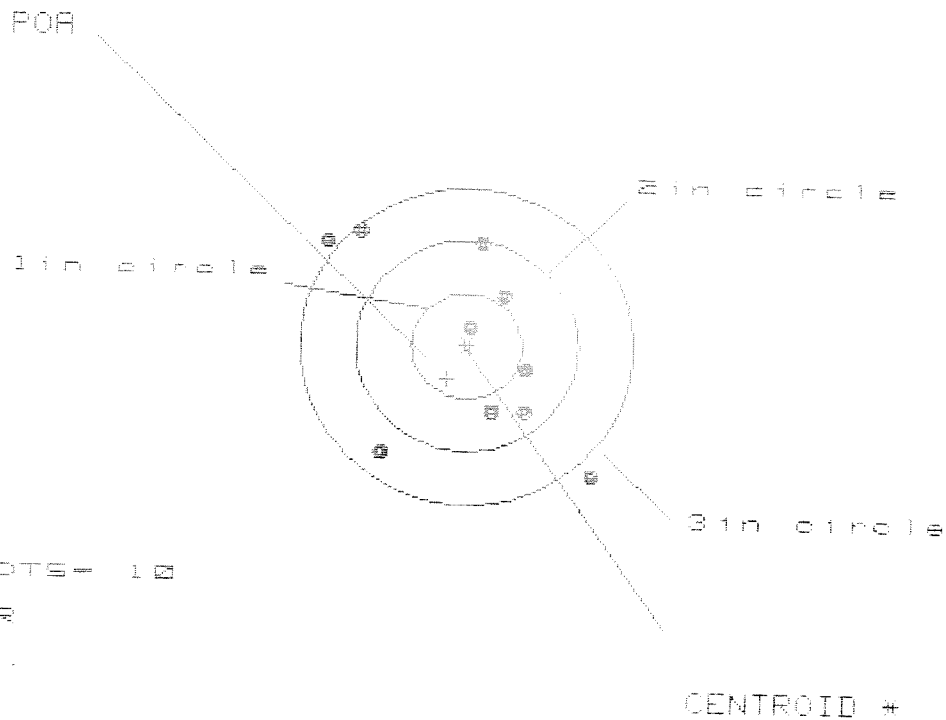
GS= 3.078

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.867	.927	.899
MINIMUM X	-1.279	-1.219	-1.247
MAXIMUM Y	1.458	1.290	1.341
MINIMUM Y	-1.508	-.941	-.780
CENTROID X	-.449	-.509	-.481
CENTROID Y	.126	.294	.133
POA TO CENTROID in.	.466	.588	.499
MIN RADIUS	.143	.145	.111
MEAN RADIUS	.898	.845	.740
MAX RADIUS	1.602	1.309	1.410
HORIZONTAL SPREAD	2.146	2.146	2.146
VERTICAL SPREAD	2.966	2.231	
EXTREME SPREAD	3.078	2.231	
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

1 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06348964

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.400

VS= 2.322

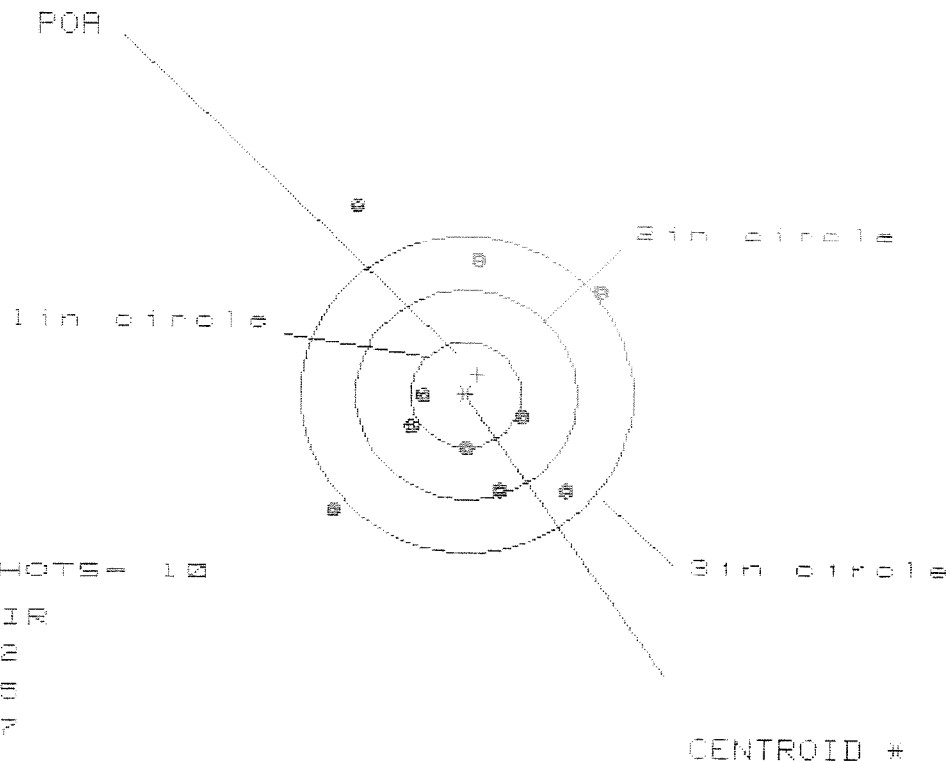
GS= 3.254

PATTERN #	1	2	3
SHOTS (BEST OF)	10		8
MAXIMUM X	1.158		.559
MINIMUM X	-1.251		-.972
MAXIMUM Y	1.075		1.037
MINIMUM Y	-1.24		-1.061
CENTROID X	.171	.042	.182
CENTROID Y	.314	.452	.352
POA TO CENTROID in.	.357	.454	.396
MIN RADIUS	.161	.185	.121
MEAN RADIUS	.982	.913	.913
MAX RADIUS	1.702	1.380	1.422
HORIZONTAL SPREAD	2.409	1.821	1.531
VERTICAL SPREAD	2.322	2.098	2.098
EXTREME SPREAD	3.254	2.365	2.255
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	8	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06348964

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 2.308

VS= 2.912

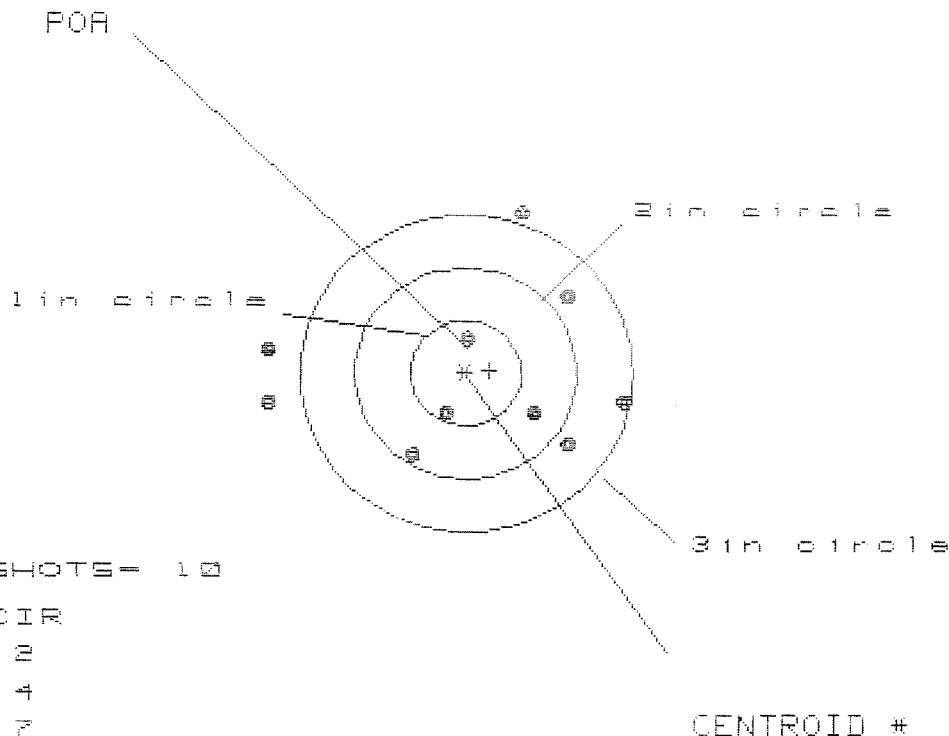
GS= 3.291

PATTERN #	:	3	:	8
SHOTS (BEST OF)	:	10	:	8
MAXIMUM X	:	1.17	:	.912
MINIMUM X	:	-1.17	:	-.794
MAXIMUM Y	:	1.348	:	1.348
MINIMUM Y	:	-1.17	:	-.872
CENTROID X	:	-.104	:	.163
CENTROID Y	:	-.191	:	-.273
POA TO CENTROID in.	:	.219	:	.318
MIN RADIUS	:	.356	:	.277
MEAN RADIUS	:	1.075	:	.859
MAX RADIUS	:	2.016	:	1.383
HORIZONTAL SPREAD	:	2.358	:	1.706
VERTICAL SPREAD	:	2.912	:	2.220
EXTREME SPREAD	:	3.291	:	2.352
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

1 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C8348964

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS = 3.187

VS = 2.302

GS = 3.223

PATTERN #	:	4
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.927
MINIMUM X	:	-1.952
MAXIMUM Y	:	1.532
MINIMUM Y	:	-1.770
CENTROID X	:	.231
CENTROID Y	:	-.017
POA TO CENTROID in.	:	.232
MIN RADIUS	:	.461
MEAN RADIUS	:	.897
MAX RADIUS	:	1.532
HORIZONTAL SPREAD	:	1.879
VERTICAL SPREAD	:	2.302
EXTREME SPREAD	:	2.501
NUMBER IN ONE INCH CIRCLE	=	2
NUMBER IN TWO INCH CIRCLE	=	4
NUMBER IN THREE INCH CIRCLE	=	7

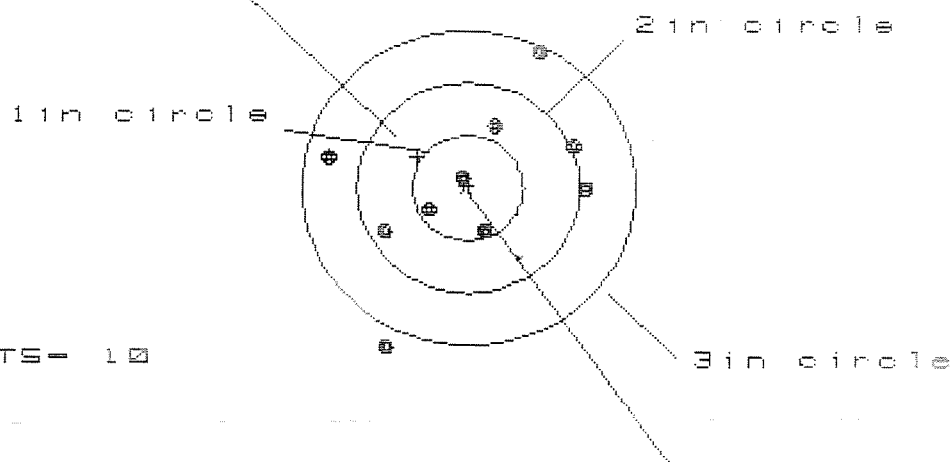
1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C634B964

CENTERFIRE PATTERNS

5

POA



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS = 2.258

VS = 2.825

GS = 3.151

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.039	1.039	1.039
MINIMUM X	-1.279	-1.296	-1.219
MAXIMUM Y	1.281	1.109	.524
MINIMUM Y	-1.344	-1.592	-.453
CENTROID X	.451	.528	.451
CENTROID Y	-.296	-.124	-.263
POA TO CENTROID in.	.539	.543	.522
MIN RADIUS	.107	.179	.087
MEAN RADIUS	.888	.802	.715
MAX RADIUS	1.696	1.380	1.241
HORIZONTAL SPREAD	2.258	2.258	2.258
VERTICAL SPREAD	2.825	1.701	.977
EXTREME SPREAD	3.151	2.279	2.279
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

Remington®

Model 700™ H24

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

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

SERIAL NO.
C6348964

ORDER NO.
5716

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

01

5716 C6348964

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348964

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	YB
618	Polish Barrel	9 15	89	BT
620	Apply Coatings (Barrel Action)		9-15-89	TJA
	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		11/27/89	948

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10/11/89	921
	G) Safety Off Force	4	4	4			10/11/89	921
	H) Trigger Pull Test & Retainability						11/6/89	928
	I) Firing Pin Indent	.0205	.021	.021			10/11/89	921
	J) Assemble Stock						10/11/89	RW
	K) Assemble Swivel Studs						13/6/89	928
	L) Attach Front and Rear Sight Assemblies						10/11/89	RW
	M) Iron Sight Alignment						10/11/89	RW
	N) Detach Front & Rear Sights & place in numbered container						10/11/89	RW
	O) Attach Scope to Rifle						10/12/89	921
	P) Detach & Attach Scope 20 Times						10/12/89	921
640	Gallery Target & Test						10-12-89	A
	A) Time						10-12-89	A
	B) Malfunctions						10-12-89	A
	C) Pierced Primers						10-12-89	A
	D) Optical Clarity of Scope						10-12-89	A
645	Inspect for Live Ammo						10-12-89	A
655	Final Inspection						13/6/89	928
	A) Headspace						13/6/89	928
	B) Trigger Pull	243	243	240	241	240	13/6/89	928
	C) Function						13/6/89	928
660	Pack						13/6/89	928

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CG358964

DATE 3-14-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.33	2.45	2.26	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.63	2.51	
PULL #3	2.38	2.43	2.55	
PULL #4	2.30	2.39	2.29	
PULL #5	2.40	2.40	2.26	
TOTAL	11.66	12.30	11.87	
AVG.	2.332	2.46	2.374	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.40	3.40	
PULL #2	3.59	3.35	
PULL #3	3.37	3.51	
PULL #4	3.48	3.36	
PULL #5	3.40	3.40	
TOTAL	17.24	17.02	
AVG.	3.448	3.404	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.57		
PULL #2	4.35	4.55		
PULL #3	4.56	4.41		
PULL #4	4.41	4.44		
PULL #5	4.31	4.51		
TOTAL	22.00	22.48		
AVG.	4.4	4.496		

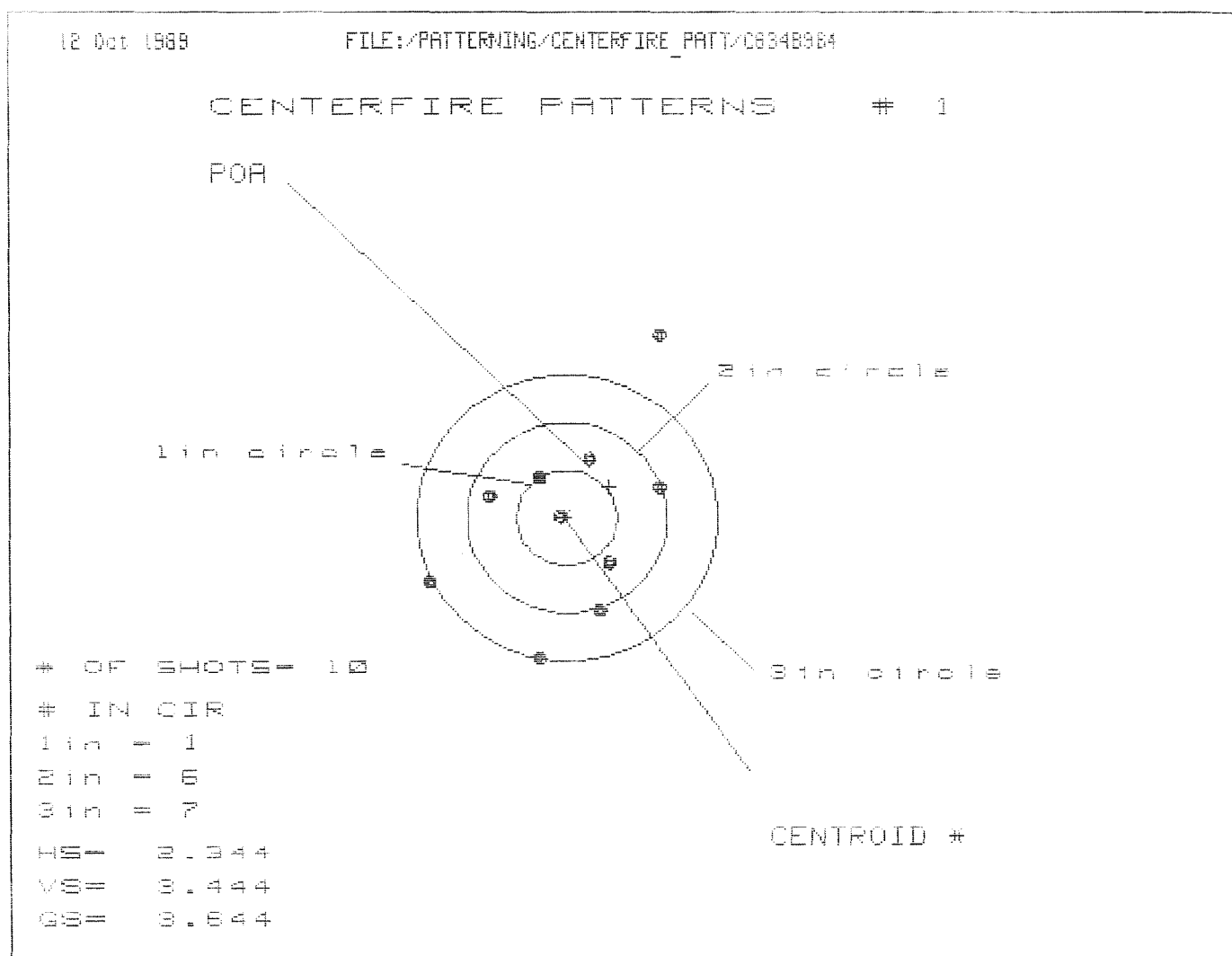
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348964
12 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.539229
1 TO	2	.421005
1 TO	3	.20025
1 TO	4	.380368
1 TO	5	.855479

5
145 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1048
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.112
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .175257
THE AMR FOR THIS RIFLE IS: 1.032

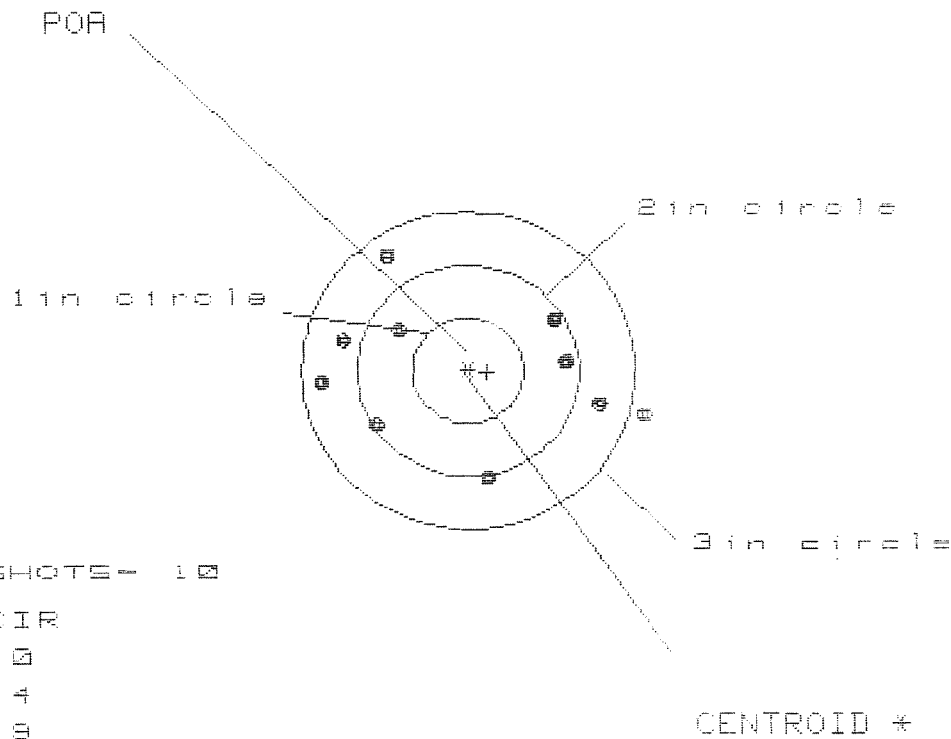


PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.958	.990	.830
MINIMUM X	-1.386	-1.280	-.873
MAXIMUM Y	1.932	.830	.775
MINIMUM Y	-1.512	-1.297	-1.352
CENTROID X	-.428	-.534	-.374
CENTROID Y	-.328	-.543	-.488
POA TO CENTROID in.	.539	.762	.615
MIN RADIUS	.048	.229	.194
MEAN RADIUS	.987	.874	.787
MAX RADIUS	2.157	1.353	1.382
HORIZONTAL SPREAD	2.344	2.270	1.703
VERTICAL SPREAD	3.444	2.127	2.127
EXTREME SPREAD	3.644	2.472	2.168
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

12 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0634B3B4

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 9

HS= 2.872

VS= 2.067

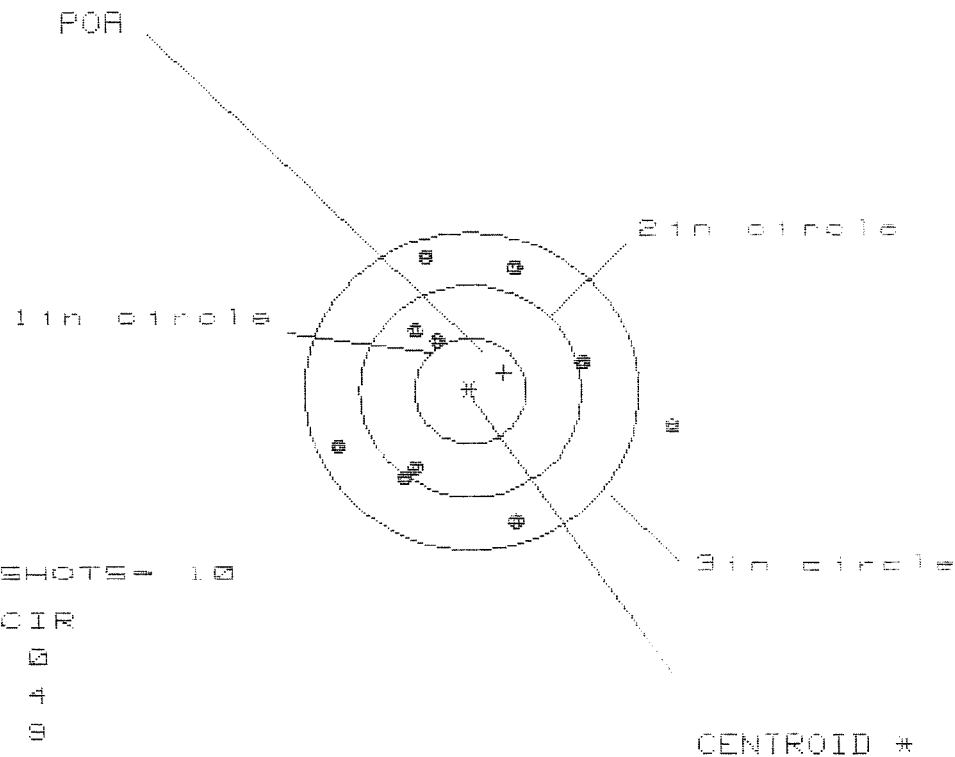
GS= 2.882

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.563	1.327	1.185
MINIMUM X	-1.309	-1.135	-1.090
MAXIMUM Y	1.086	1.043	1.019
MINIMUM Y	-.981	-1.024	-1.048
CENTROID X	-.177	-.351	-.209
CENTROID Y	.010	.053	.077
POA TO CENTROID in.	.178	.355	.223
MIN RADIUS	.699	.533	.636
MEAN RADIUS	1.102	1.026	1.009
MAX RADIUS	1.610	1.372	1.243
HORIZONTAL SPREAD	2.872	2.462	2.275
VERTICAL SPREAD	2.067	2.067	2.067
EXTREME SPREAD	2.882	2.467	2.349
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS = 2.991

VS = 2.533

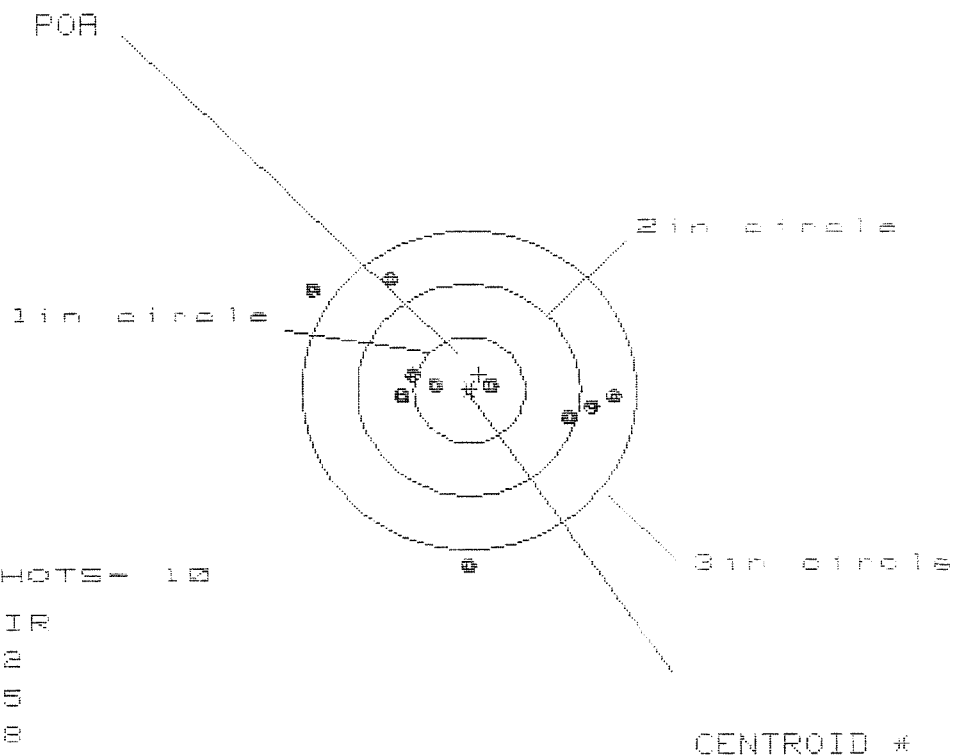
GS = 3.001

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.767	1.166	1.244
MINIMUM X	:	-1.224	-1.028	-.951
MAXIMUM Y	:	1.258	1.226	1.062
MINIMUM Y	:	-1.275	-1.307	-1.061
CENTROID X	:	-.300	-.496	-.574
CENTROID Y	:	-.174	-.142	.022
POA TO CENTROID in.	:	.347	.516	.574
MIN RADIUS	:	.607	.502	.327
MEAN RADIUS	:	1.130	1.026	.938
MAX RADIUS	:	1.791	1.446	1.244
HORIZONTAL SPREAD	:	2.991	2.194	2.194
VERTICAL SPREAD	:	2.533	2.533	2.123
EXTREME SPREAD	:	3.001	2.652	2.327
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.642

VS= 2.699

GS= 2.952

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.257	1.103	1.088
MINIMUM X	:	-1.385	-.862	-.877
MAXIMUM Y	:	1.040	1.143	.949
MINIMUM Y	:	-1.659	-1.556	-.378
CENTROID X	:	-.094	.060	.075
CENTROID Y	:	-.146	-.249	-.055
POA TO CENTROID in.	:	.174	.256	.093
MIN RADIUS	:	.207	.177	.035
MEAN RADIUS	:	.953	.880	.767
MAX RADIUS	:	1.668	1.560	1.292
HORIZONTAL SPREAD	:	2.642	1.965	1.965
VERTICAL SPREAD	:	2.699	2.699	1.327
EXTREME SPREAD	:	2.952	2.800	2.269
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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FILE:/PATTERNING/CENTERFIRE_PATT/C034B964

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 3.775

VS = 1.897

GS = 3.792

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.589

1.346

.655

MINIMUM X

-2.186

-1.045

-.877

MAXIMUM Y

.780

.827

.922

MINIMUM Y

-1.117

-1.070

-.967

CENTROID X

.325

.568

.400

CENTROID Y

.078

.031

-.072

POA TO CENTROID in.

.334

.569

.406

MIN RADIUS

.221

.286

.112

MEAN RADIUS

.986

.824

.718

MAX RADIUS

2.226

1.580

1.273

HORIZONTAL SPREAD

3.775

2.391

1.532

VERTICAL SPREAD

1.897

1.897

1.889

EXTREME SPREAD

3.792

2.399

2.260

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

8