

C6348983

SON

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M-24 INSPECTION CHECKLIST
CONTRACT : DAAE-10-02-0-0149

ITEM NUMBER: 151226
SERIAL NUMBER: C6848983
EVALUATION DATE: 9-16-08

OPERATION #	OPERATION NAME	DATE	INITIALS
500	DIS-ASSEMBLE GUN	9-17-08	RTZ
505	RE-BARREL	9-22-08	RTZ
560	ASSEMBLE	9-22-08	RTZ
600	PROOF	9-22-08	SPD.
605	CHECK HEADSPACE	9-22-08	SPD.
610	DIS-ASSEMBLE GUN	9-22-08	SPD.
612	MAGNAFLUX	9/30/08	(H8)
510	DRILL AND TAP	9-23-08	SP
615	ROLLMARK CALIBER	9/30/08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	10 /	
625	FINAL ASSEMBLY	10-6-08	RTZ
640	FUNCTION TEST AND	PASS	FAIL
650	TARGET	PASS	FAIL
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	10-10-08	TC
	A) HEADSPACE	(PASS)	FAIL
	4-5 LBS MIN 2.50 LBS B) TRIGGER PULL MAX 4.0 LBS	2.63 2.69 2.68 2.78 2.70	10/14/08 Fm
	1 LBS MIN 2 LBS MAX	4.0 4.0 3.0	10-22-08 SPD
	F. SAFETY ON FORCE	4.0 4.0 4.0	10-22-08 SPD
	G. SAFETY OFF FORCE	4.0 4.0 4.0	10-22-08 SPD
	I) FIRING PIN INDENT	.023 .023 .023	10-22-08 SPD
690	PACK		10/14/08 Fm

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348983.___0

FILE DATE AND TIME: 10/11/2008 06:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.011
The Average Y Centroid of the Five Target Set:	0.142
The Average Point of Impact of the Five Target Set:	0.143
The Average Mean Radius of the Five Target Set:	0.756
The Distance from POA to Centroid Target #1:	0.229
The Distance from Centroid Target #2 to Centroid Target #1:	0.228
The Distance from Centroid Target #3 to Centroid Target #1:	0.284
The Distance from Centroid Target #4 to Centroid Target #1:	0.241
The Distance from Centroid Target #5 to Centroid Target #1:	0.267

SERIAL NUMBER: C6348983. 0

TARGET NUMBER: 1

FILE DATE: 10/11/2008

FILE TIME: 06:27

X CENTROID: 0.119

Y CENTROID: 0.195

POA TO CENTROID: 0.229

HORZ SPREAD: 1.952

VERT SPREAD: 2.625

GROUP SPREAD: 3.020

MIN RADIUS: 0.268

MAX RADIUS: 1.788

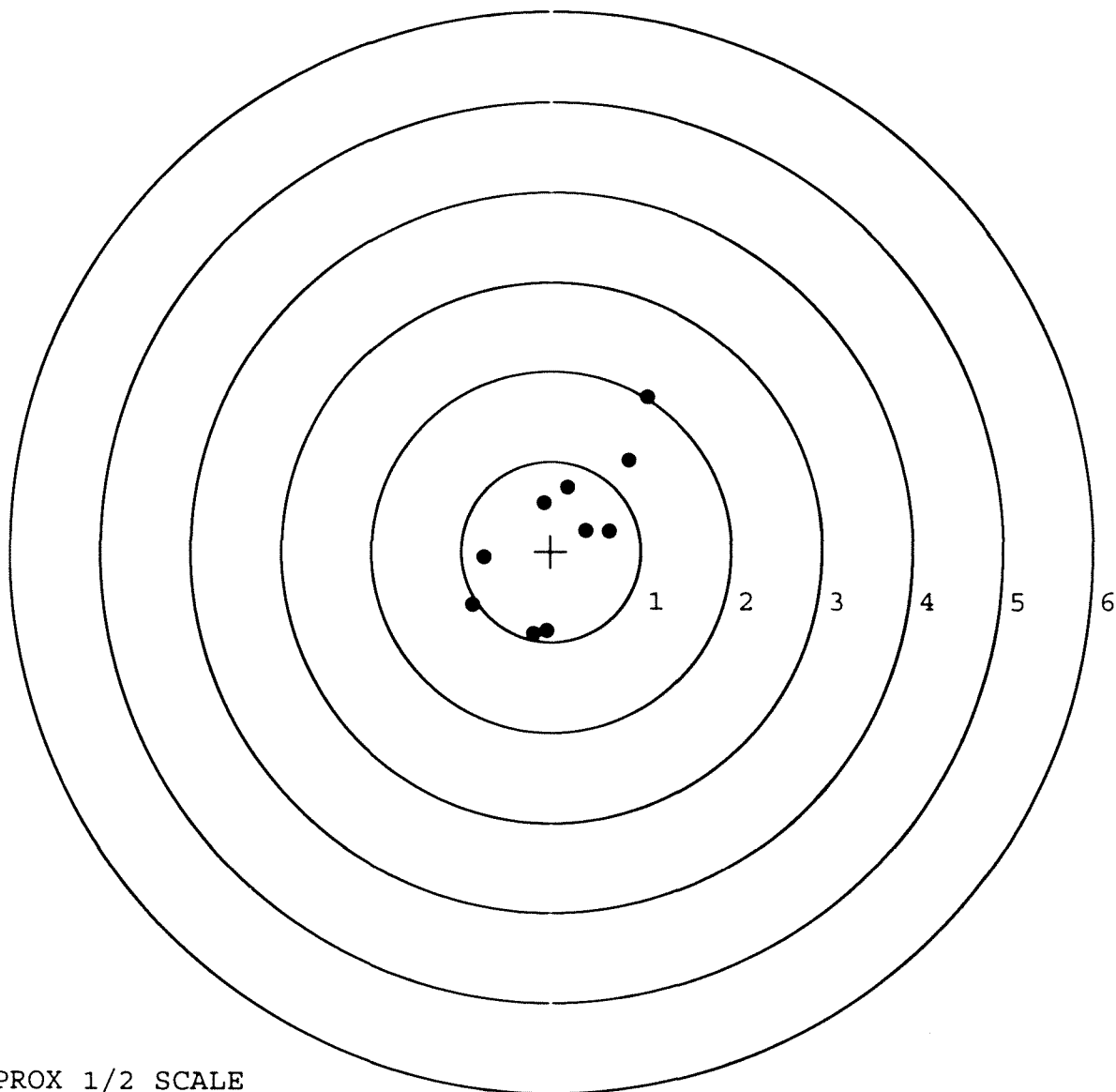
MEAN RADIUS: 0.903

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.073	1.708
2:	0.862	1.007
3:	0.186	0.709
4:	-0.085	0.540
5:	0.384	0.233
6:	0.641	0.223
7:	-0.048	-0.882
8:	-0.195	-0.917
9:	-0.879	-0.596
10:	-0.750	-0.070



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348983. 0

TARGET NUMBER: 2

FILE DATE: 10/11/2008

FILE TIME: 06:27

X CENTROID: 0.210

Y CENTROID: 0.404

POA TO CENTROID: 0.456

HORZ SPREAD: 2.523

VERT SPREAD: 2.663

GROUP SPREAD: 2.729

MIN RADIUS: 0.249

MAX RADIUS: 1.647

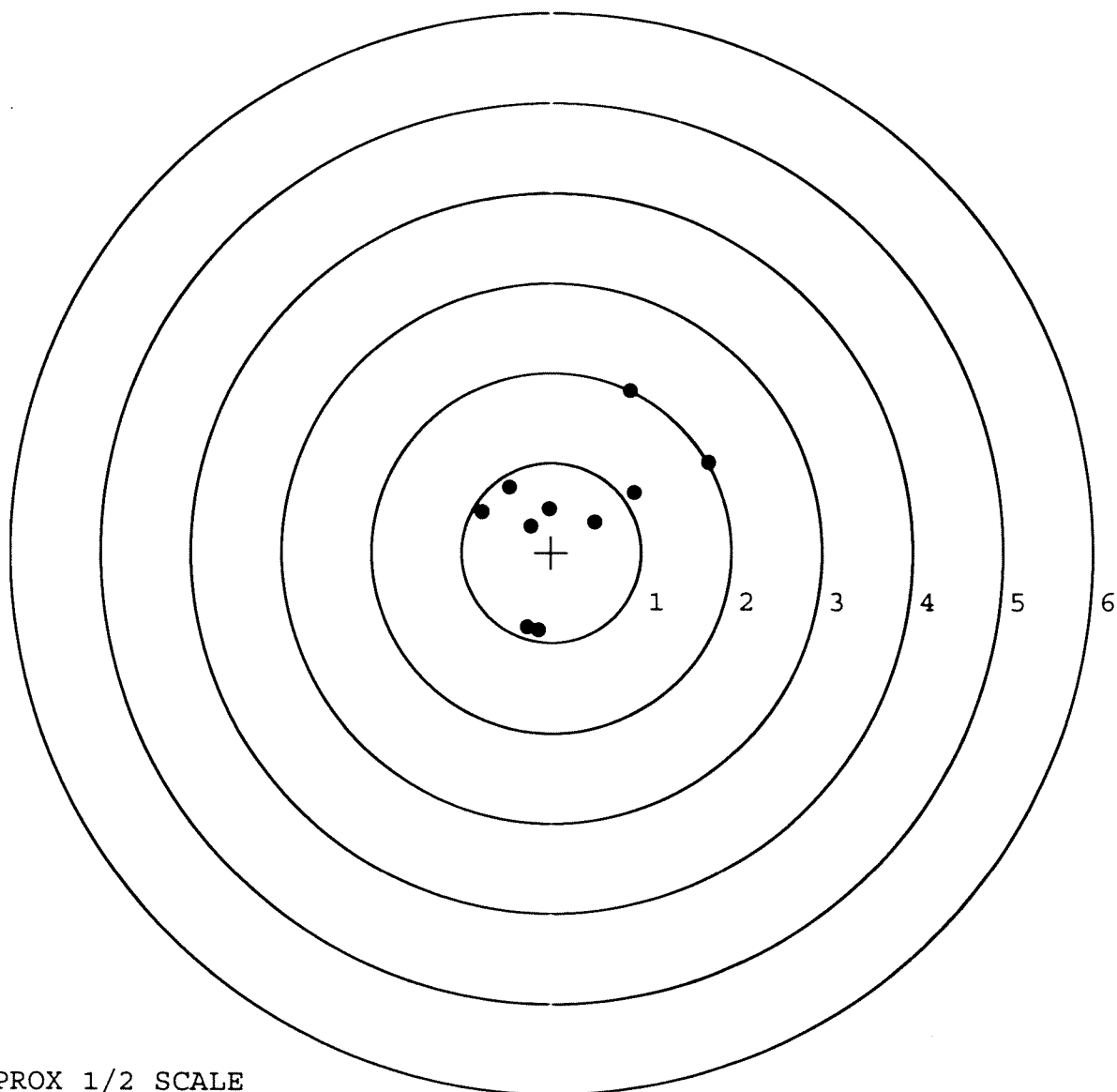
MEAN RADIUS: 0.932

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.874	1.795
2:	1.744	1.004
3:	0.923	0.665
4:	0.482	0.338
5:	-0.025	0.484
6:	-0.230	0.288
7:	-0.471	0.721
8:	-0.779	0.449
9:	-0.142	-0.868
10:	-0.272	-0.835

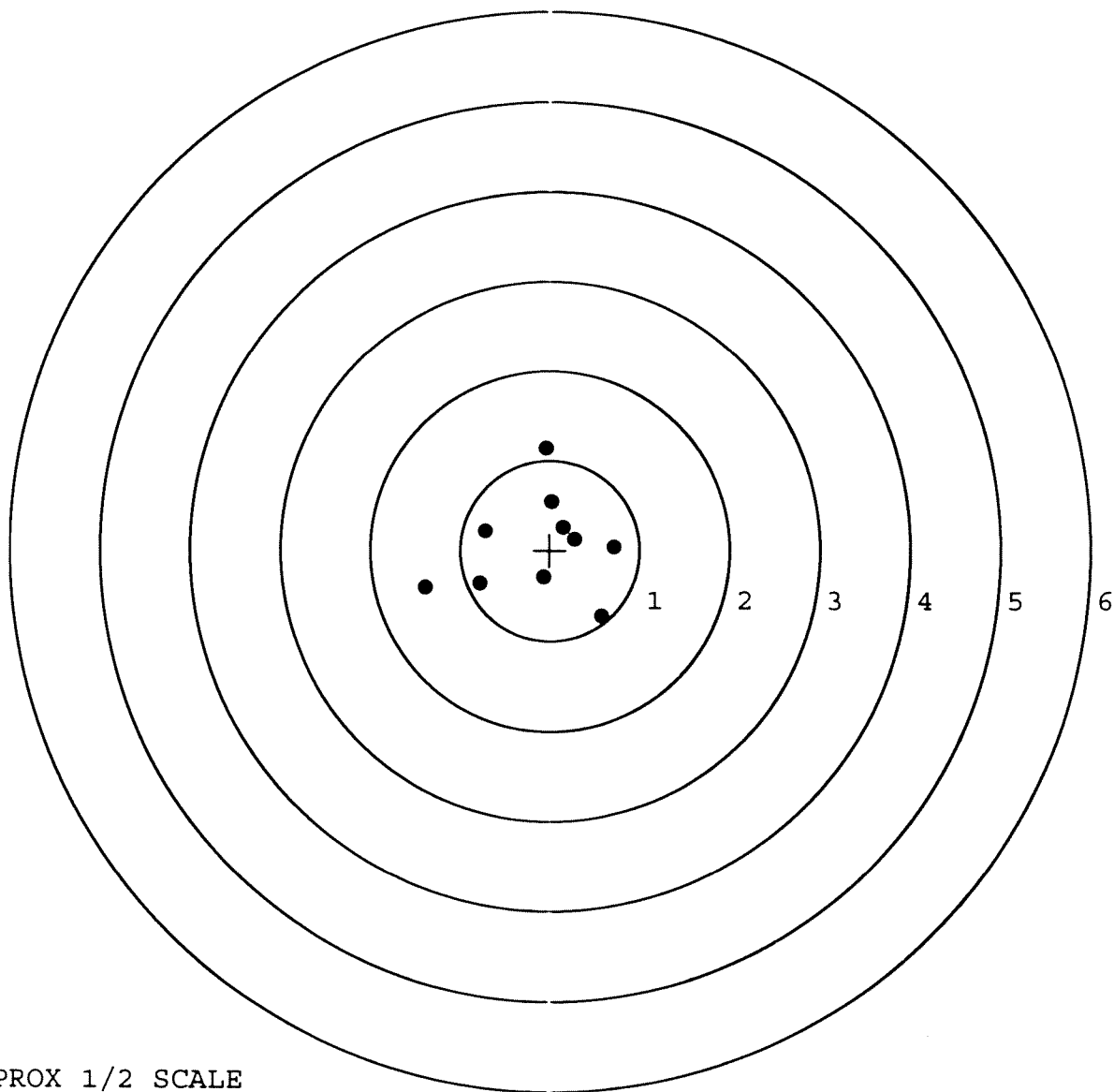


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348983. __0
TARGET NUMBER: 3
FILE DATE: 10/11/2008
FILE TIME: 06:27

X CENTROID: -0.125
Y CENTROID: 0.050
POA TO CENTROID: 0.135
HORZ SPREAD: 2.107
VERT SPREAD: 1.868
GROUP SPREAD: 2.155
MIN RADIUS: 0.344
MAX RADIUS: 1.345
MEAN RADIUS: 0.736
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.040	1.137
2:	0.026	0.543
3:	0.147	0.260
4:	0.278	0.122
5:	0.720	0.038
6:	0.576	-0.731
7:	-0.070	-0.305
8:	-0.780	-0.370
9:	-1.387	-0.416
10:	-0.724	0.219



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348983. 0

TARGET NUMBER: 4

FILE DATE: 10/11/2008

FILE TIME: 06:27

X CENTROID: -0.068

Y CENTROID: 0.044

POA TO CENTROID: 0.081

HORZ SPREAD: 1.656

VERT SPREAD: 1.450

GROUP SPREAD: 1.949

MIN RADIUS: 0.120

MAX RADIUS: 1.215

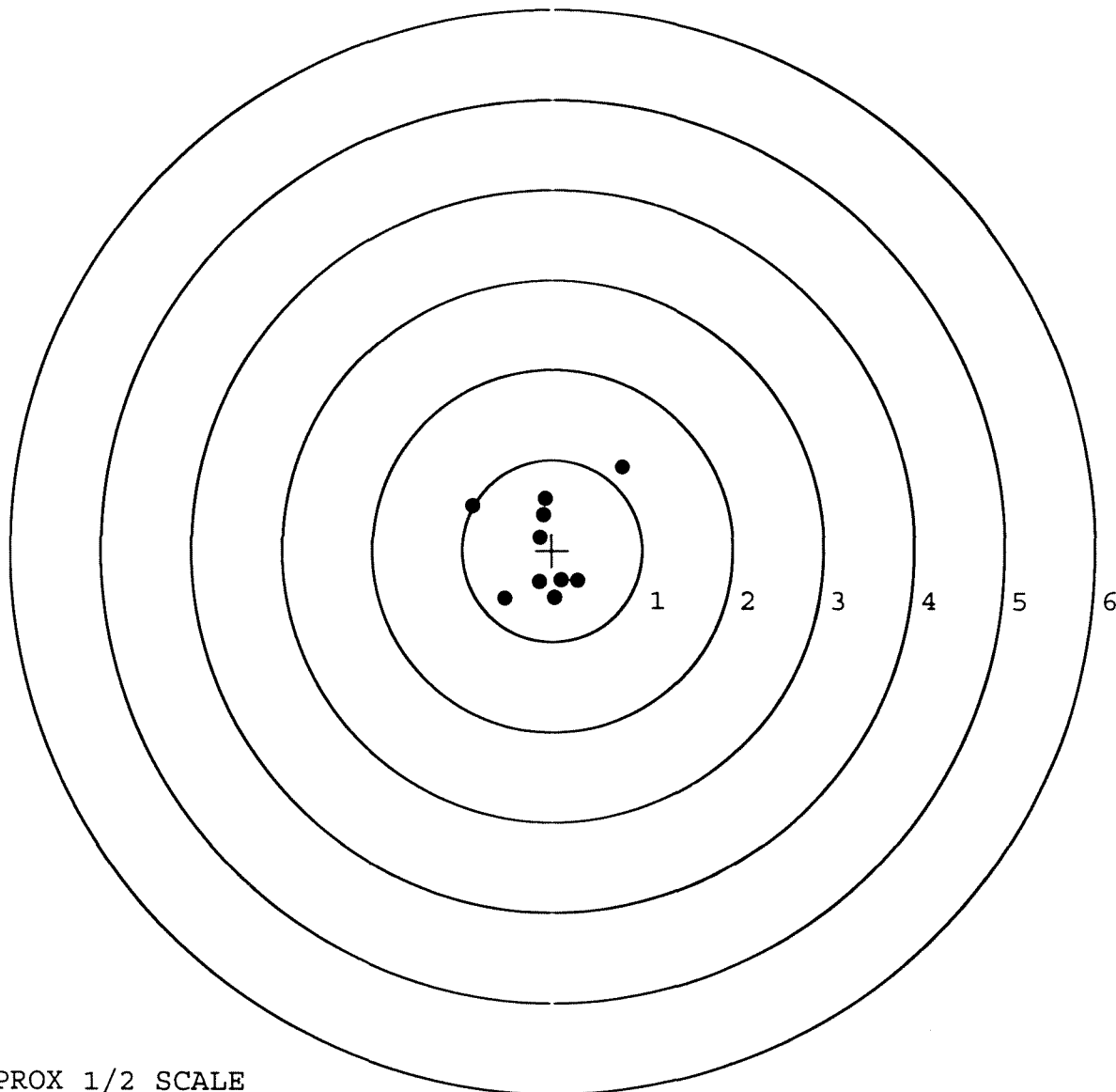
MEAN RADIUS: 0.578

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.775	0.919
2:	-0.082	0.572
3:	-0.101	0.389
4:	-0.139	0.141
5:	-0.881	0.491
6:	-0.527	-0.531
7:	-0.145	-0.349
8:	0.028	-0.524
9:	0.286	-0.336
10:	0.105	-0.333

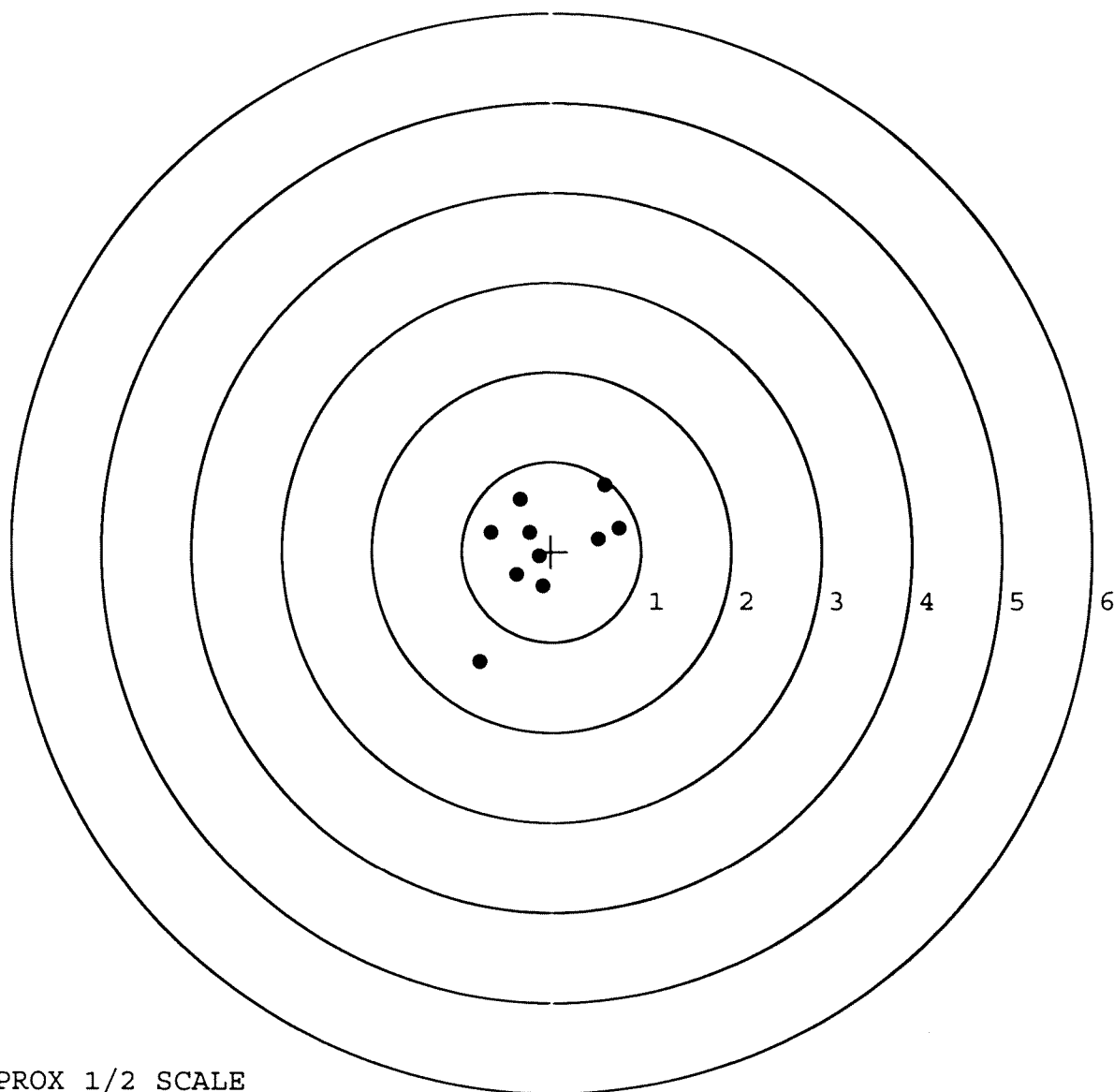


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348983. 0
TARGET NUMBER: 5
FILE DATE: 10/11/2008
FILE TIME: 06:27

X CENTROID: -0.081
Y CENTROID: 0.019
POA TO CENTROID: 0.083
HORZ SPREAD: 1.561
VERT SPREAD: 1.962
GROUP SPREAD: 2.410
MIN RADIUS: 0.091
MAX RADIUS: 1.437
MEAN RADIUS: 0.632
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.598	0.737
2:	0.759	0.257
3:	0.520	0.137
4:	-0.348	0.574
5:	-0.680	0.207
6:	-0.241	0.207
7:	-0.134	-0.056
8:	-0.096	-0.391
9:	-0.388	-0.260
10:	-0.802	-1.225



TARGET APPROX 1/2 SCALE

R 99-09176

FROM:	SHIP TO:
US ARMY	US ARMY
ATTN: JAMES C STARNES JR	ATTN: JAMES C STARNES JR
GSC 5TH SFG (A)	GSC 5TH SFG (A)
FORT CAMPBELL	FORT CAMPBELL
42223	42223

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

OFFICE COPY

RD6925 REV. 7/97

M2400043243

Receipt Of Firearm(s) Delivered to the Plant for Repair
Firearm Checked For Live Ammunition []

File # 00375

Delivery Date 4/7/99

Customer Name (Print) US Army, James C Starns Jr
Address GSC 5th SFG(A), Ft Campbell State KY Zip 42223
Phone Number (502)-798-2882/7932

Firearm Description Model 700 (m24) Cal./ Ga. 7.62
Serial Number C6348983

Stock/ Fore-end Condition circle the description
(Excellent; Good; Fair; Poor; Fancy; Plain; Synthetic; Wood)

Comments on Stock/ Fore-end condition _____

Metal Condition circle the description
(Excellent; Good; Fair; Poor; Fancy; Plain Stainless Steel)

Comments on Metal condition _____

Barrel Type (VT. Rib; Plain; Deer; Stainless Steel); Barrel length _____

List additional accessories IE Scope, Sling, Gun case and description;

Customer request: Reconditioning

Return Process Return to Clark St. Ent. [] Return via UPS []

By signing this receipt the person delivering the firearm understands to be the only person to receive the firearm upon completion of repairs.

Signature James C Starns Jr Date 4/7/99
person delivering firearm.

Signature [Signature] Date 4/7/99
security officer

Signature [Signature] Date 4/7/99
arms service / CSR

Customer Pick Up Verification

I certify, I am the same person whom delivered the above described firearm to the Remington Ilion plant for repair and may lawfully possess a firearm in New York State

Signature _____ Date ____/____/____
person receiving firearm must be the same whom delivered

Signature _____ Date ____/____/____
security officer or other witness returning the firearm

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348983
21 Jun 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1304
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0308
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .133988

THE AMR FOR THIS RIFLE IS: .9812

CENTROIDAL DISTANCES

0	TO	1	.542705
1	TO	2	.138362
1	TO	3	.929312
1	TO	4	.988738
1	TO	5	.37863

1
2
+ 5 <----POA
4
3

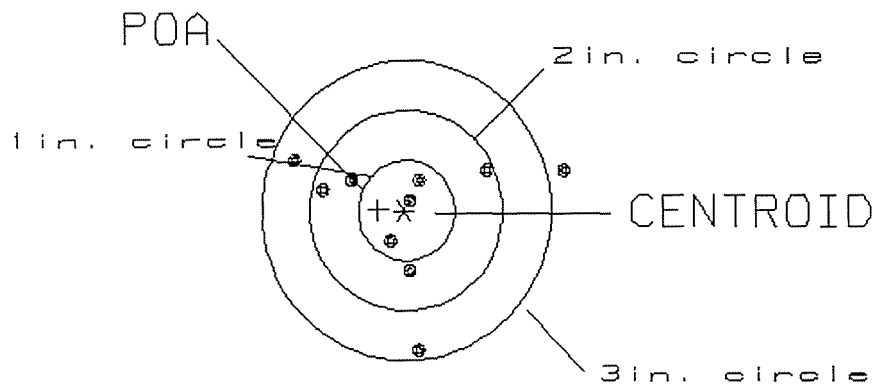
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .267
 MIN RADIUS : .146
 MEAN RADIUS : .825
 MAX RADIUS : 1.668
 CENTROID X : .267
 CENTROID Y : -.005

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348983.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.78

3

VS= 1.85

7

GS= 2.78

9

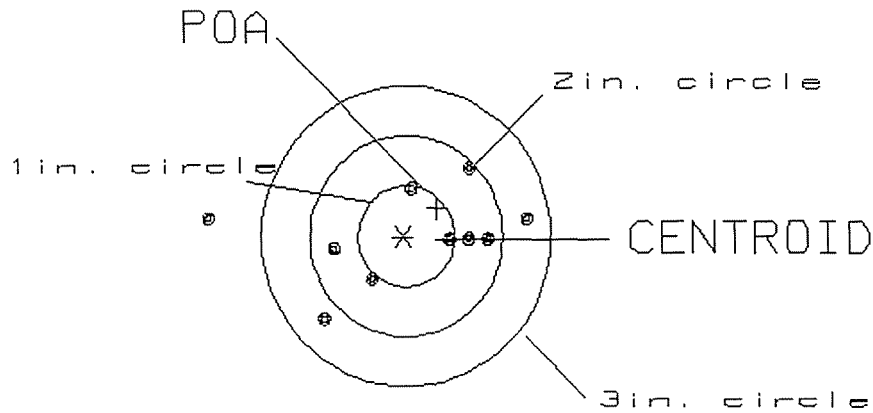
PATTERN #: 2

POA TO CENTROID: .447
 MIN RADIUS : .449
 MEAN RADIUS : .934
 MAX RADIUS : 2.084
 CENTROID X : -.348
 CENTROID Y : -.279

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348983.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.37
 VS= 1.50
 GS= 3.37

2
 7
 9

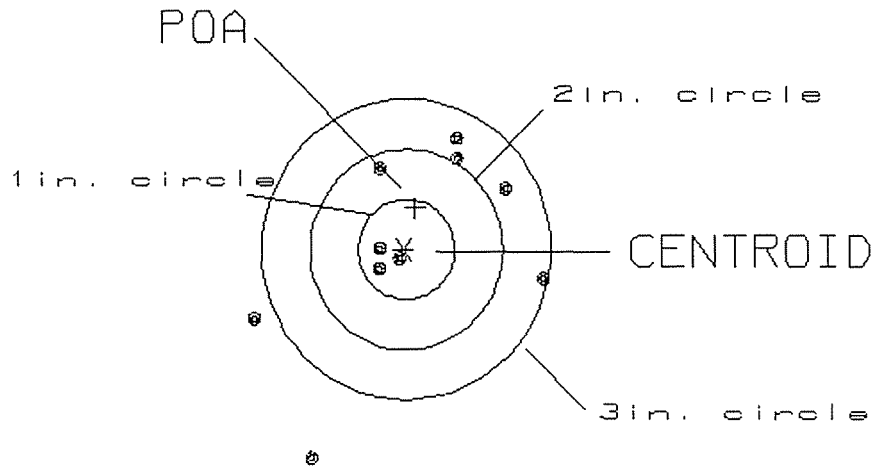
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .430
 MIN RADIUS : .094
 MEAN RADIUS : 1.051
 MAX RADIUS : 2.313
 CENTROID X : -.123
 CENTROID Y : -.412

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348983.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.97

3

VS= 3.18

4

GS= 3.53

8

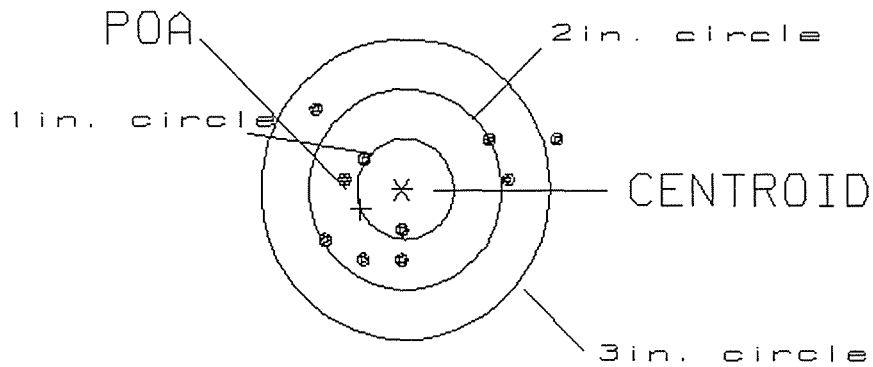
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .478
 MIN RADIUS : .443
 MEAN RADIUS : .899
 MAX RADIUS : 1.635
 CENTROID X : .433
 CENTROID Y : .202

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348983.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.50
 VS= 1.48
 GS= 2.60

1
 7
 9

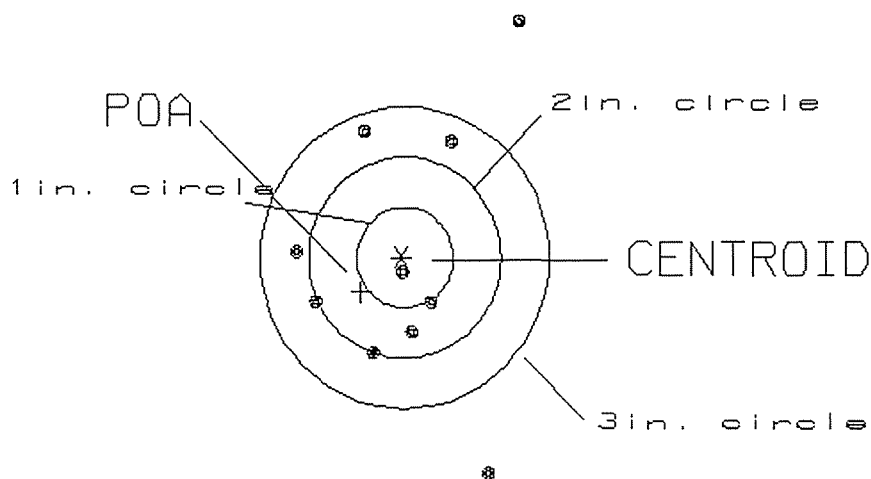
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .543
MIN RADIUS : .185
MEAN RADIUS : 1.197
MAX RADIUS : 2.602
CENTROID X : .423
CENTROID Y : .340

21 Jun 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348983.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.32

2

VS= 4.43

4

GS= 4.45

8

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6348983

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	1 30 90	RW
600	Proof		1 30 90	A
607	Check Headspace		1 30 90	A
610	Dis-assemble Gun		1 30 90	RW
612	Magnaflux Barrel Action		2-5-90	KCR
	Magnaflux Bolt		2-5-90	
615	Rollmark Caliber		2-5-90	CS
617	Drill and Tap Sight Holes		2-5-90	FB
618	Polish Barrel <i>RB</i>		2-5-90	WB
620	Apply Coatings (Barrel Action)		2-17-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/19/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/19/90	WB
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/18/90	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			4/19/90	JL
	G) Safety Off Force	3	3	3			4/19/90	JL
	H) Trigger Pull Test & Retainability						4/18/90	JL
	I) Firing Pin Indent	.023	.0225	.0215			4/19/90	JU
	J) Assemble Stock						4/19/90	RW
	K) Assemble Swivel Studs						4/30/90	WB
	L) Attach Front and Rear Sight Assemblies						4/19/90	RW
	M) Iron Sight Alignment						4/19/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/19/90	RW
	O) Attach Scope to Rifle						4/20/90	RW
	P) Detach & Attach Scope 20 Times						4/20/90	RW
640	Gallery Target & Test						4-20-90	AC
	A) Time						4-20-90	AC
	B) Malfunctions						4-20-90	AC
	C) Pierced Primers						4-20-90	AC
	D) Optical Clarity of Scope						4-20-90	AC
645	Inspect for Live Ammo						4-20-90	AC
655	Final Inspection						4/26/90	WB
	A) Headspace							
	B) Trigger Pull	2.13	2.26	2.17	2.11	2.13	4/26/90	WB
	C) Function						4/30/90	WB
660	Pack						6-19-90	DH

Remington®



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

MODEL 700™ H24

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

Ø1

SERIAL NO.

C6348983

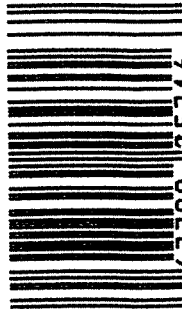
ORDER NO.

5716



5716 C6348983

UPC



0 47700 25716 7

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 06348983

DATE 4-18-90

TESTER JAC

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.29	2.44	2.13	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.44	2.40	2.26	
PULL #3	2.25	2.34	2.42	2.27	
PULL #4	2.33	2.41	2.45	2.11	
PULL #5	2.37	2.32	2.41	2.13	
TOTAL	11.61	11.80	12.12		
AVG.	2.322	2.36	2.424		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.19		
PULL #2	3.37	3.19		
PULL #3	3.17	3.23		
PULL #4	3.13	3.11		
PULL #5	3.19	3.26		
TOTAL	16.27	15.98		
AVG.	3.254	3.196		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.26		4.43
PULL #2	4.26	4.30		4.48
PULL #3	4.24	4.28		4.45
PULL #4	4.27	4.40		4.40
PULL #5	4.30	4.31		4.50
TOTAL	21.29	21.55		22.26
AVG.	4.258	4.31		4.452

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348983
20 Apr 1990

CENTROIDAL DISTANCES

0	TO	1	.0942019
1	TO	2	.0680074
1	TO	3	.195256
1	TO	4	.225
1	TO	5	.309246

$\frac{24}{5}$ <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1674
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0186
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .16843

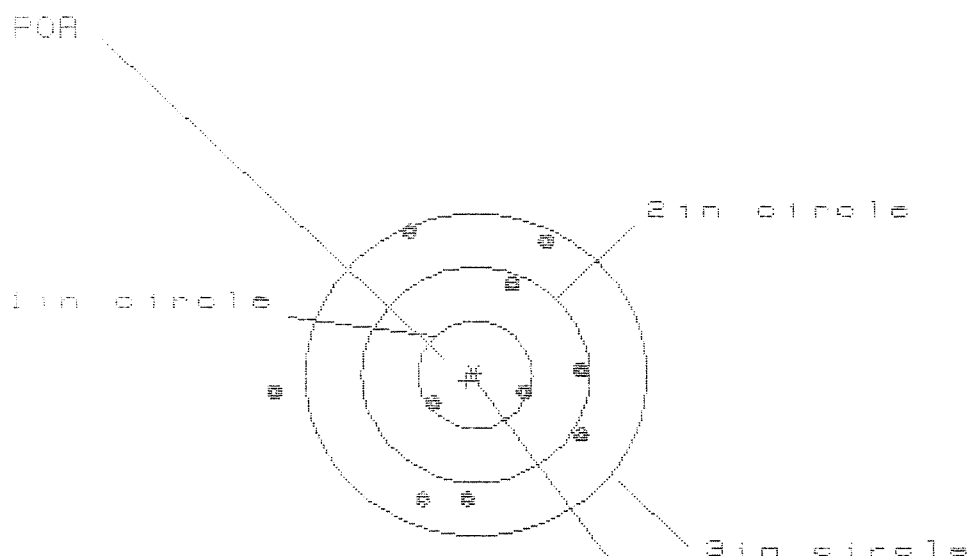
THE AMR FOR THIS RIFLE IS: .9222

28 Apr 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C83489B3

CENTERFIRE PATTERNS

1



* OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HE = 2.684

VS = 2.497

GS = 2.766

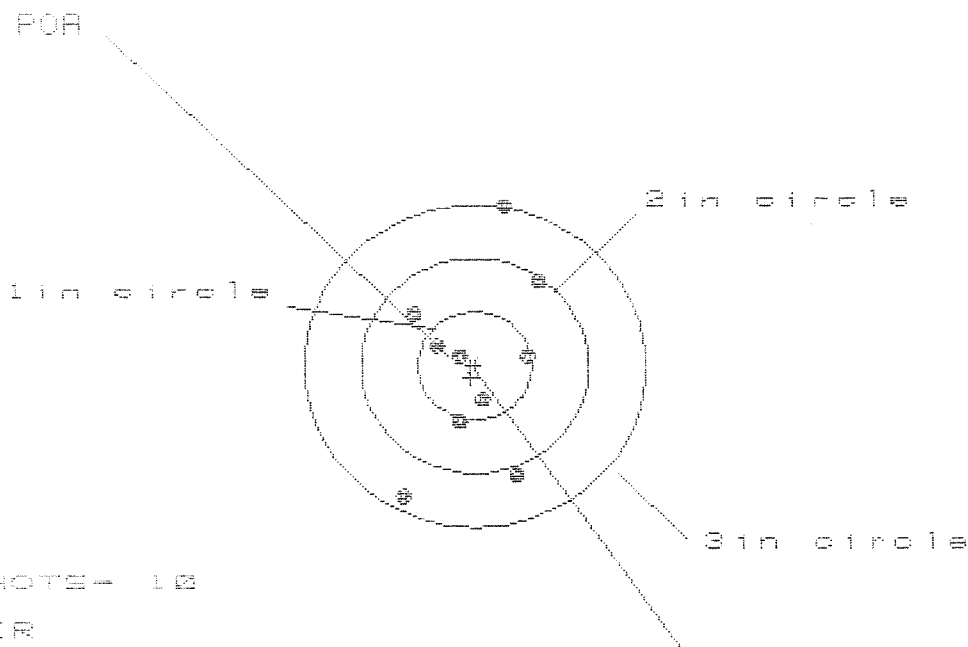
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.902	.707	.614
MINIMUM X	:	-1.752	-.741	-.758
MAXIMUM Y	:	1.368	1.355	1.385
MINIMUM Y	:	-1.129	-1.142	-.973
CENTROID X	:	.075	.270	.363
CENTROID Y	:	.057	.070	-.099
FOR TO CENTROID (in.)	:	.094	.279	.376
MIN RADIUS	:	.475	.315	.152
MEAN RADIUS	:	1.075	.968	.857
MAX RADIUS	:	1.756	1.544	1.436
HORIZONTAL SPREAD	:	2.654	1.448	1.372
VERTICAL SPREAD	:	2.497	2.497	2.358
EXTREME SPREAD	:	2.769	2.617	2.617
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

20 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06348983

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

1st = 1.199

2nd = 2.737

3rd = 2.898

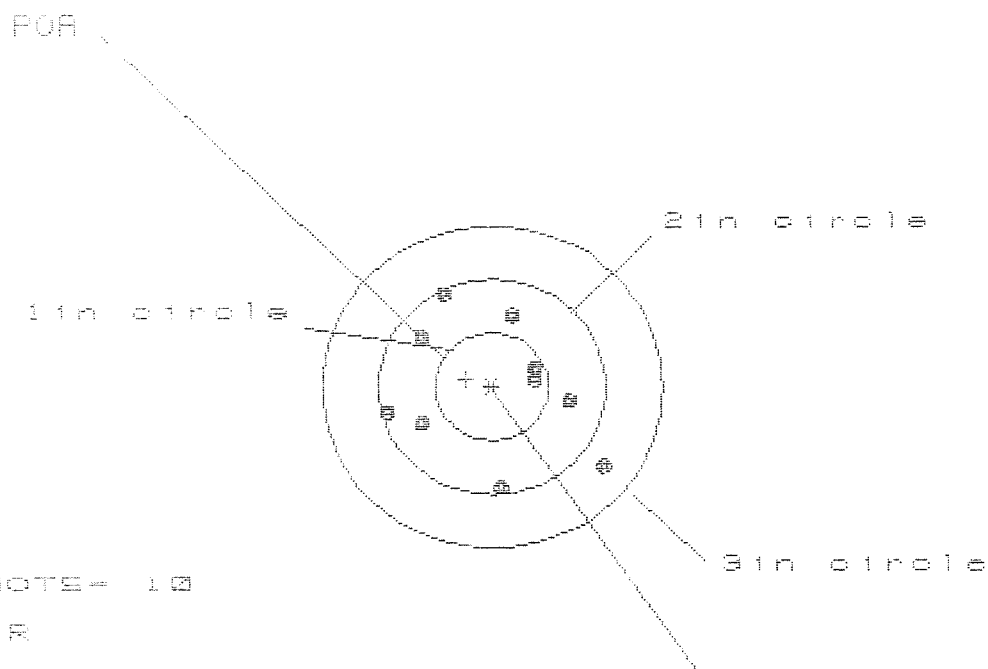
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.551	.585	.508
MINIMUM X	:	-.648	-.614	-.614
MAXIMUM Y	:	1.483	.907	.771
MINIMUM Y	:	-1.254	-1.090	-1.001
CENTROID X	:	.035	.001	.078
CENTROID Y	:	.112	-.052	.084
FOR TO CENTROID in.	:	.118	.052	.114
MIN RADIUS	:	.139	.192	.190
MEAN RADIUS	:	.751	.660	.575
MAX RADIUS	:	1.514	1.251	1.054
HORIZONTAL SPREAD	:	1.199	1.199	1.122
VERTICAL SPREAD	:	2.737	1.997	1.772
EXTREME SPREAD	:	2.898	2.329	1.819
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C834B9B3

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 10

AS= 1.583

VS= 1.839

GS= 2.122

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.957	.763	.720
MINIMUM X	:	-.926	-.820	-.863
MAXIMUM Y	:	.902	.825	.670
MINIMUM Y	:	-.937	-1.014	-.910
CENTROID X	:	.225	.119	.162
CENTROID Y	:	-.068	.009	-.095
POA TO CENTROID in.	:	.235	.119	.198
MIN RADIUS	:	.384	.467	.453
MEAN RADIUS	:	.771	.724	.697
MAX RADIUS	:	1.178	1.038	.928
HORIZONTAL SPREAD	:	1.883	1.583	1.583
VERTICAL SPREAD	:	1.839	1.839	1.580
EXTREME SPREAD	:	2.122	1.924	1.588
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C834B983

CENTERFIRE PATTERNS

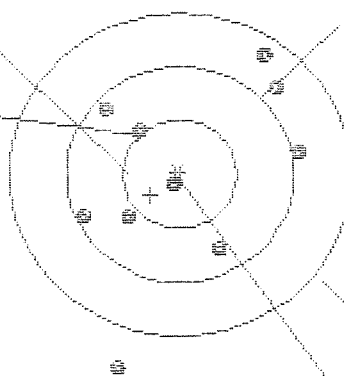
4

FOR

1in circle

2in circle

3in circle



OF SHOTS = 10

IN CIR

1in = 1

2in = 6

3in = 9

1SE= 1.897

2SE= 2.897

3SE= 3.200

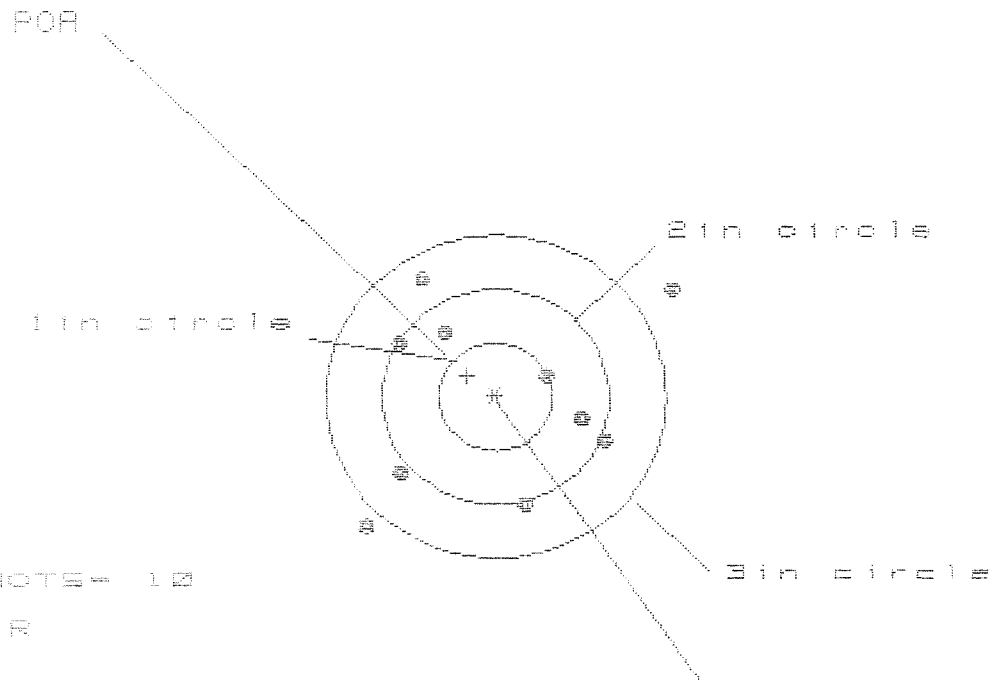
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	9
MAXIMUM X	:	1.034	.967	1.054
MINIMUM X	:	-.863	-.930	-.843
MAXIMUM Y	:	1.103	.903	.732
MINIMUM Y	:	-1.794	-.851	-.738
CENTROID X	:	.255	.322	.235
CENTROID Y	:	.192	.392	.279
FOR TO CENTROID in.	:	.319	.507	.365
MIN RADIUS	:	.081	.285	.149
MEAN RADIUS	:	.931	.832	.764
MAX RADIUS	:	1.893	1.137	1.107
HORIZONTAL SPREAD	:	1.897	1.897	1.897
VERTICAL SPREAD	:	2.897	1.754	1.470
EXTREME SPREAD	:	3.200	2.198	2.060
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Apr 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C834B983

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HE = 2.562

VS = 2.292

CE = 3.464

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.517	1.161	.979
MINIMUM X	:	-1.146	-.978	-.794
MAXIMUM Y	:	1.074	1.185	1.046
MINIMUM Y	:	-1.218	-1.107	-1.010
CENTROID X	:	.247	.079	.201
CENTROID Y	:	-.200	-.311	-.172
FOR TO CENTROID (in.)	:	.318	.320	.264
MIN RADIUS	:	.494	.696	.522
MEAN RADIUS	:	1.083	1.003	.919
MAX RADIUS	:	1.815	1.477	1.208
HORIZONTAL SPREAD	:	2.663	2.079	1.773
VERTICAL SPREAD	:	2.292	2.292	2.056
EXTREME SPREAD	:	3.464	2.345	2.232
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	