

C6225420

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

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

R & E NUMBER		R38553	
SERIAL NUMBER		C 6225420	
LOG-IN DATE		1/2/02	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1/2/02	RW
560 A	RE-BARREL AT CUSTOM SHOP	1-3-02	BWT
B	DRILL AND TAP	1-3-02	BWT
C	POLISH		
575	ASSEMBLE	1-4-02	AC
600	PROOF	1-4-02	AC
605	CHECK HEADSPACE	1-4-02	AC
610	DIS-ASSEMBLE GUN	1-4-02	AC
612	MAGNAFLUX	OPERATOR AC	
615	ROLLMARK CALIBER	1-7-02	B3
618	ROTO-BLAST	1/7	NO
620	APPLY COATINGS	1/7	HP
625 A	FINAL ASSEMBLY	1/8/02	RW
B	TRIGGER PULL TEST	N/C	
C	SAFETY "ON" FORCE	N/C	
D	SAFETY "OFF" FORCE	N/C	
E	FIRING PIN INDENT	N/C	
640	TARGET	1-9-02	AC
655	FINAL INSPECT	1-10-02	DA
660	PACK	1-10-02	DA
		SHIP DATE	
QAR INSPECTION DATE			

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225420.___0

FILE DATE AND TIME: 01/09/2002 02:46

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.081
The Average Y Centroid of the Five Target Set:	0.132
The Average Point of Impact of the Five Target Set:	0.154
The Average Mean Radius of the Five Target Set:	0.456
The Distance from POA to Centroid Target #1:	0.281
The Distance from Centroid Target #2 to Centroid Target #1:	0.141
The Distance from Centroid Target #3 to Centroid Target #1:	0.113
The Distance from Centroid Target #4 to Centroid Target #1:	0.041
The Distance from Centroid Target #5 to Centroid Target #1:	0.498

SERIAL NUMBER: C6225420. 0

TARGET NUMBER: 1

FILE DATE: 01/09/2002

FILE TIME: 02:46

POINT#	X	Y
1:	0.131	1.031
2:	-0.581	1.004
3:	-0.446	0.519
4:	0.821	0.456
5:	0.487	0.382
6:	0.146	0.284
7:	0.211	-0.191
8:	0.162	-0.388
9:	0.029	-0.976
10:	-0.409	0.633

X CENTROID: 0.055

Y CENTROID: 0.275

POA TO CENTROID: 0.281

HORZ SPREAD: 1.402

VERT SPREAD: 2.007

GROUP SPREAD: 2.072

MIN RADIUS: 0.091

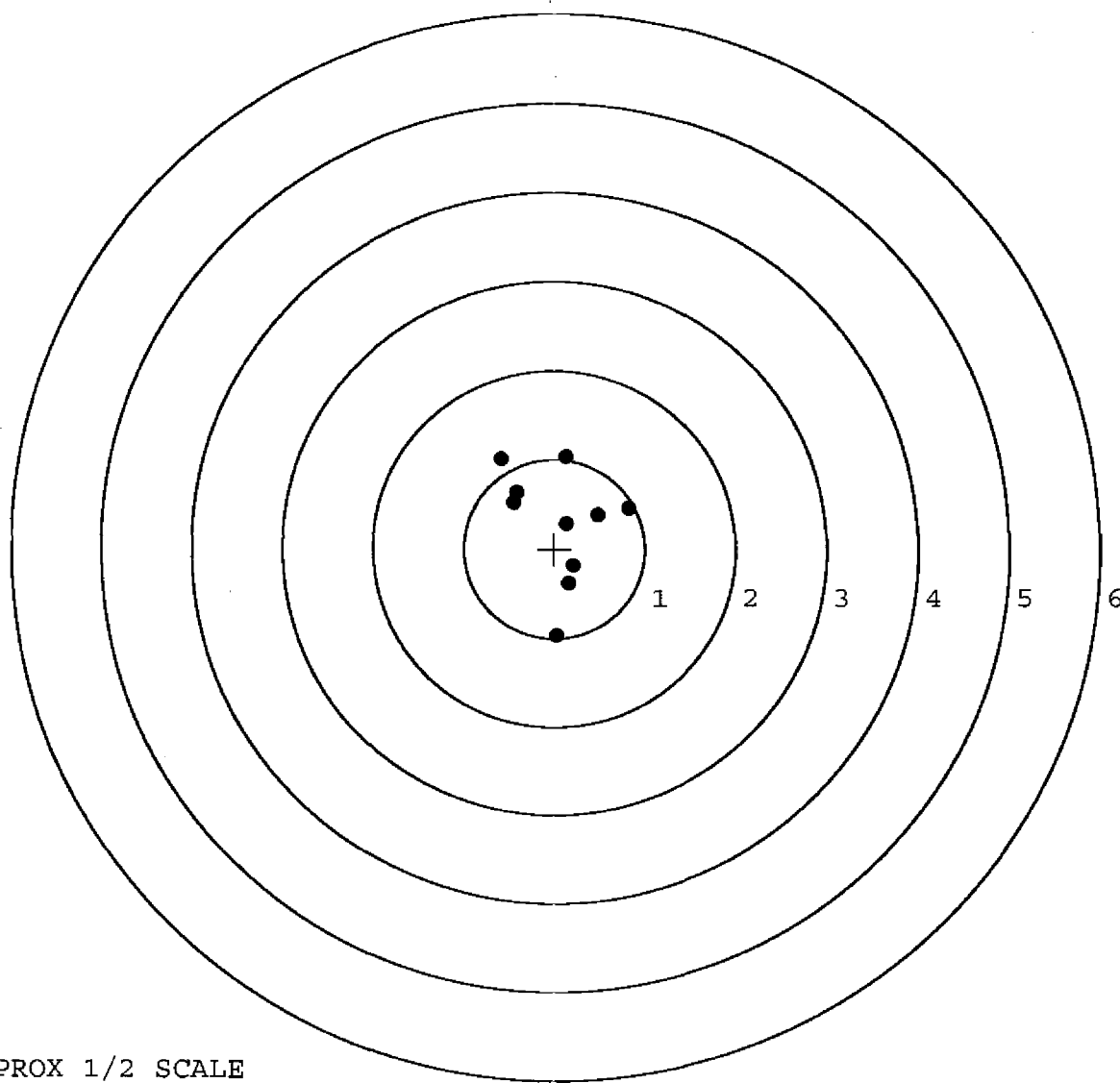
MAX RADIUS: 1.252

MEAN RADIUS: 0.661

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225420. __0

TARGET NUMBER: 2

FILE DATE: 01/09/2002

FILE TIME: 02:46

POINT#	X	Y
1:	-0.773	0.816
2:	0.850	-0.089
3:	0.383	0.072
4:	0.352	-0.039
5:	-0.256	-0.238
6:	0.072	0.427
7:	-0.103	0.133
8:	-0.099	-0.023
9:	0.146	0.016
10:	0.089	0.273

X CENTROID: 0.066

Y CENTROID: 0.135

POA TO CENTROID: 0.150

HORZ SPREAD: 1.623

VERT SPREAD: 1.054

GROUP SPREAD: 1.858

MIN RADIUS: 0.140

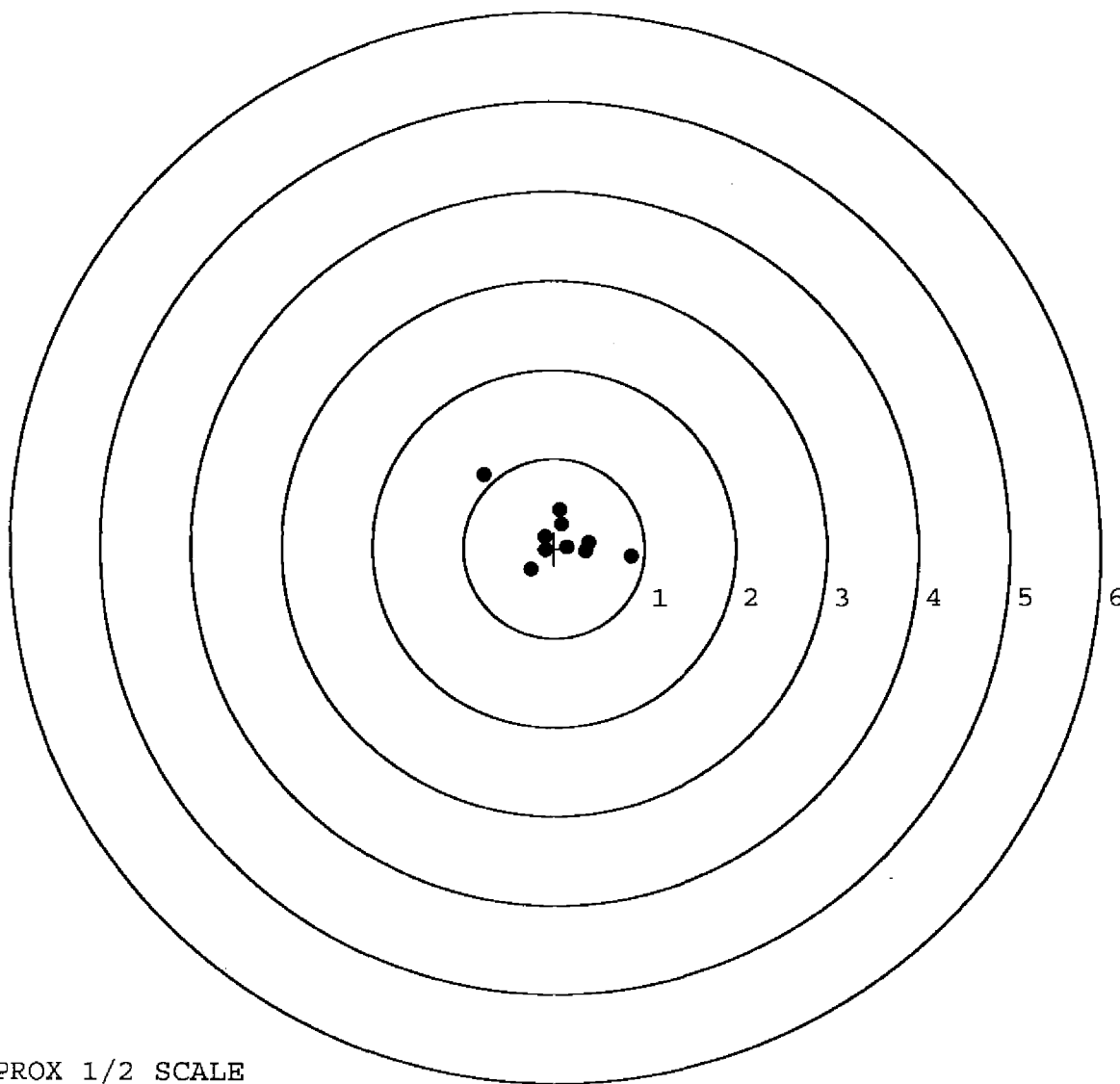
MAX RADIUS: 1.081

MEAN RADIUS: 0.402

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225420. __0

TARGET NUMBER: 3

FILE DATE: 01/09/2002

FILE TIME: 02:46

POINT#	X	Y
1:	0.017	1.034
2:	-0.256	0.428
3:	0.295	0.217
4:	0.660	0.041
5:	0.339	0.071
6:	0.189	0.110
7:	-0.054	-0.040
8:	0.150	0.163
9:	0.375	0.118
10:	-0.141	0.141

X CENTROID: 0.157

Y CENTROID: 0.228

POA TO CENTROID: 0.277

HORZ SPREAD: 0.916

VERT SPREAD: 1.074

GROUP SPREAD: 1.183

MIN RADIUS: 0.066

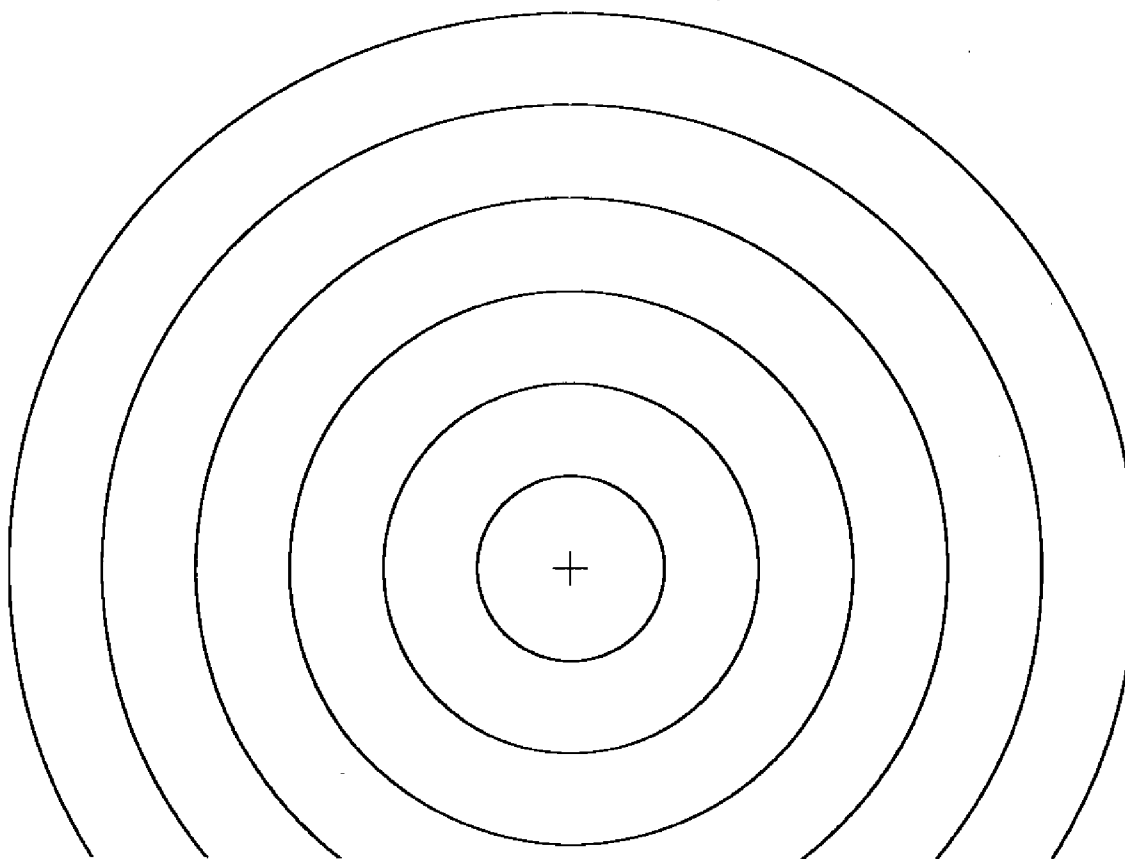
MAX RADIUS: 0.818

MEAN RADIUS: 0.328

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10






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

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

MODEL 700 TM H24	SERIAL NO. C6225420	ORDER NO. 5716
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.



5716 C6225420

LPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M240000

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225420

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	12 9	88	RW
600	Proof	12 9	88	RW
607	Check Headspace	12 9	88	RW
610	Dis-assemble Gun	12 9	88	RW
612	Magnaflux Barrel Action		12/22/88	RW
	Magnaflux Bolt		1-3-89	RW
615	Rollmark Caliber		12/23/88	M.S.C.
617	Drill and Tap Sight Holes	1 3	89	FB
618	Polish Barrel	12 2	88	WJ
620	Apply Coatings (Barrel Action)		1-12-89	15A
	Apply Coating (Bolt)		1-12-89	15A
625	Final Assembly A) Clean inside of Bolt Assembly		1/19/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/19/89	RW
	C) Inspect Ejector Hole for Chamfer		1/19/89	RW
	D) Oil Firing Pin Ass'y		1/19/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		20/1/89	RS

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	5	5	5			25 Jan 89	JLH
	G) Safety Off Force	3	3	3			25 Jan 89	JLH
	H) Trigger Pull Test & Retainability						20 Jan 89	JLH
	I) Firing Pin Indent	.020	.0205	.020			25 Jan 89	JLH
	J) Assemble Stock						1/26/89	KW
	K) Assemble Swivel Studs						1/30/89	JLH
	L) Attach Front and Rear Sight Assemblies						1/26/89	KW
	M) Iron Sight Alignment						1/26/89	KW
	N) Detach Front & Rear Sights & place in numbered container						1/26/89	KW
	O) Attach Scope to Rifle						1/27/89	WLB
	P) Detach & Attach Scope 20 Times						1/27/89	WLB
640	Gallery Target & Test	58 R	94 L				1/30/89	DH
	A) Time						1/30/89	DH
	B) Malfunctions						1/30/89	DH
	C) Pierced Primers						1/30/89	DH
	D) Optical Clarity of Scope						1/30/89	DH
645	Inspect for Live Ammo						1/30/89	DH
655	Final Inspection						1/30/89	JLH
	A) Headspace						1/30/89	JLH
	B) Trigger Pull	2.44	2.34	2.32	2.29	2.30	1/30/89	JLH
	C) Function						1/30/89	JLH
660	Pack						23 Mar 89	JLH

SWS TRIGGER PULL TEST

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

SERIAL NO. 5420
C6348916

DATE 3 Oct 89

TESTER ELB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.65	2.48	2.67	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.57	2.44	2.50	2.75	
PULL #3	2.47	2.57	2.50	2.60	
PULL #4	2.49	2.61	2.43	2.77	
PULL #5	2.52	2.40	2.41	2.84	
TOTAL	12.59	12.67	12.32	13.73	
AVG.	2.518	2.534	2.464	2.746	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.09		
PULL #2	3.18	2.84		
PULL #3	3.23	3.16		
PULL #4	3.22	3.26		
PULL #5	3.17	3.08		
TOTAL	15.81	15.43		
AVG.	3.162	3.086		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.10		4.13
PULL #2	4.21	4.14		4.10
PULL #3	4.14	4.13		4.15
PULL #4	4.17	4.07		4.14
PULL #5	4.18	3.96		4.09
TOTAL	20.95	20.40		20.61
AVG.	4.19	4.08		4.122

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225420
2 Feb 1989

CENTROIDAL DISTANCES

0 TO	1	.250332
1 TO	2	.632293
1 TO	3	.544419
1 TO	4	.90451
1 TO	5	.0839524

+b³
2 4 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3918
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0434
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .394196
THE AMR FOR THIS RIFLE IS: 1.257

38 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225420

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS = 3.834

VS = 3.312

GS = 5.019

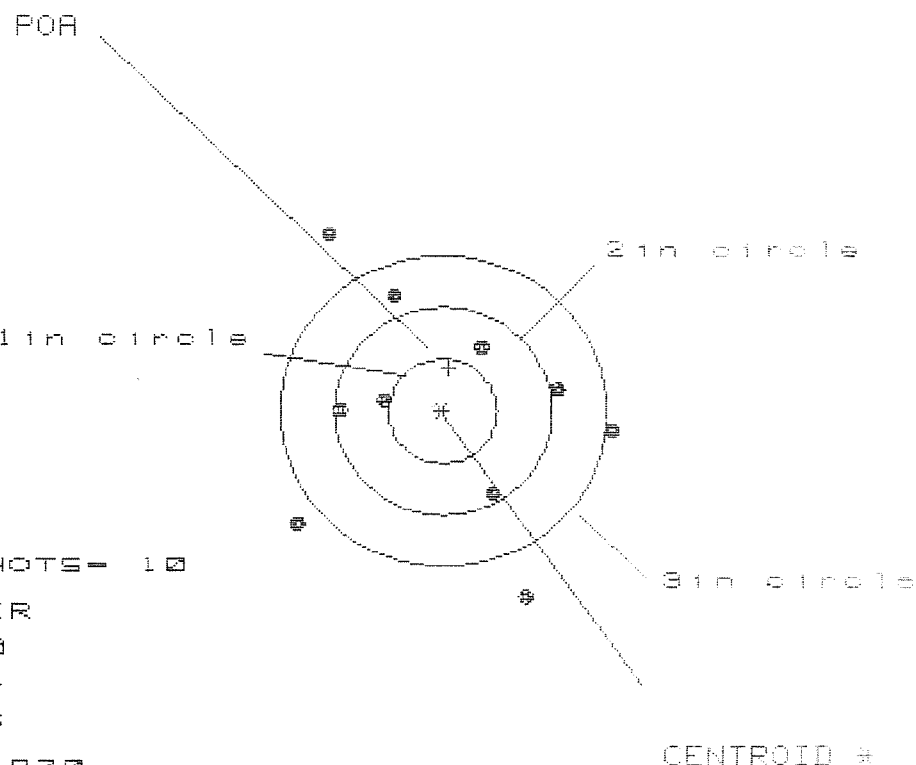
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.624	1.379	1.543
MINIMUM X	:	-2.210	-1.618	-1.454
MAXIMUM Y	:	1.500	1.299	1.395
MINIMUM Y	:	-1.811	-1.283	-1.120
CENTROID X	:	.179	.424	.260
CENTROID Y	:	.175	.377	.214
POA TO CENTROID in.	:	.250	.567	.337
MIN RADIUS	:	.241	.115	.152
MEAN RADIUS	:	1.325	1.162	1.028
MAX RADIUS	:	2.857	2.034	2.015
HORIZONTAL SPREAD	:	3.834	2.997	2.997
VERTICAL SPREAD	:	3.312	2.582	2.515
EXTREME SPREAD	:	5.019	3.074	3.074
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	6		

38 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225420

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 0

2in = 4

3in = 6

HS = 2.870

VS = 3.489

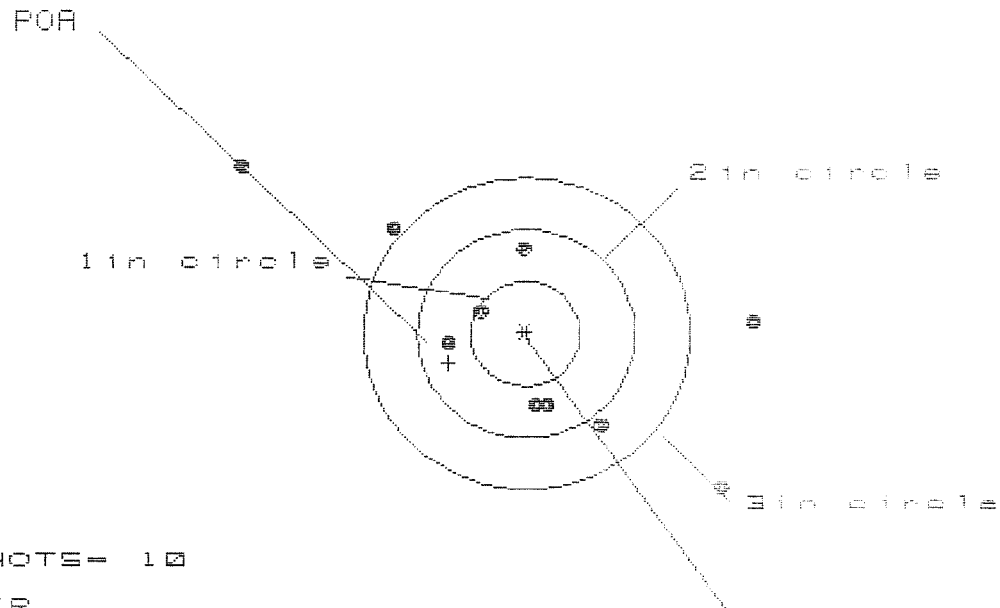
GS = 3.931

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.576	1.459	1.538
MINIMUM X	:	-1.294	-1.411	-1.332
MAXIMUM Y	:	1.736	1.267	1.072
MINIMUM Y	:	-1.753	-1.561	-1.056
CENTROID X	:	-.056	.061	-.018
CENTROID Y	:	-.412	-.604	-.409
POA TO CENTROID in.	:	.415	.608	.410
MIN RADIUS	:	.542	.707	.578
MEAN RADIUS	:	1.249	1.164	1.069
MAX RADIUS	:	2.032	1.685	1.699
HORIZONTAL SPREAD	:	2.870	2.870	2.870
VERTICAL SPREAD	:	3.489	2.828	2.128
EXTREME SPREAD	:	3.931	3.067	2.993
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

30 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225420

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 6

HS= 4.693

VS= 3.131

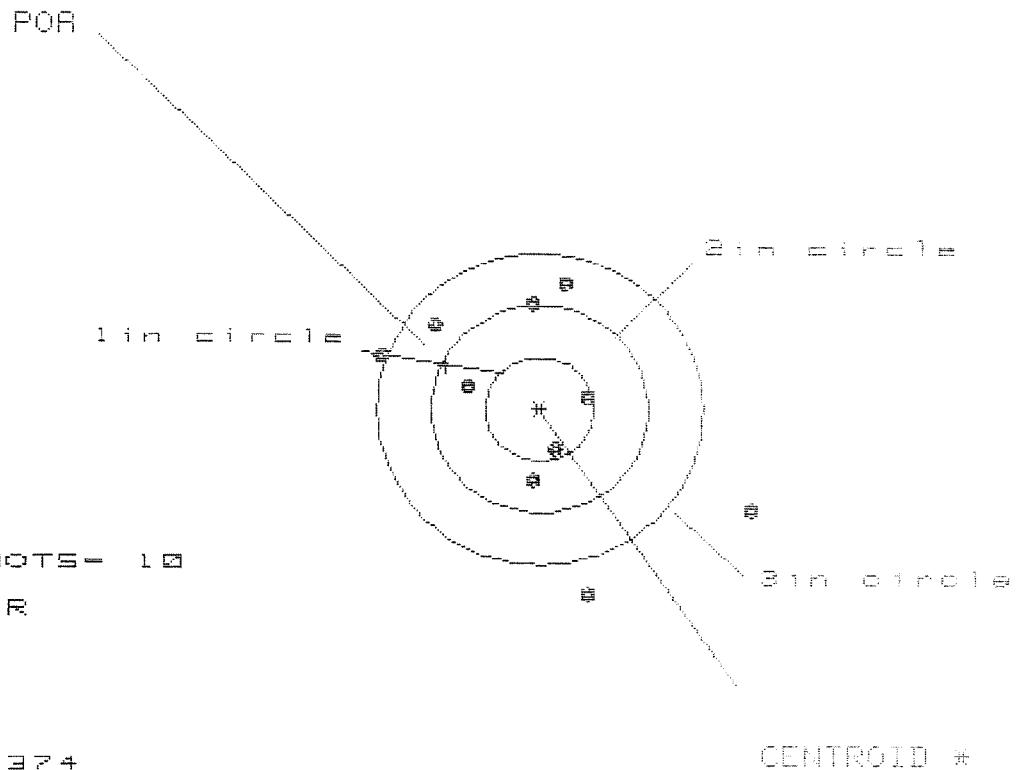
GS= 5.371

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.115	1.828	2.015
MINIMUM X	:	-2.578	-1.541	-1.353
MAXIMUM Y	:	1.637	1.223	1.059
MINIMUM Y	:	-1.494	-1.313	-1.866
CENTROID X	:	.713	1.000	.813
CENTROID Y	:	.281	.099	.263
POA TO CENTROID in.	:	.767	1.005	.854
MIN RADIUS	:	.453	.542	.549
MEAN RADIUS	:	1.369	1.174	1.048
MAX RADIUS	:	3.054	1.993	2.020
HORIZONTAL SPREAD	:	4.693	3.369	3.369
VERTICAL SPREAD	:	3.131	2.536	1.925
EXTREME SPREAD	:	5.371	3.959	3.494
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			6	

38 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225420

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 3.374

VS= 3.094

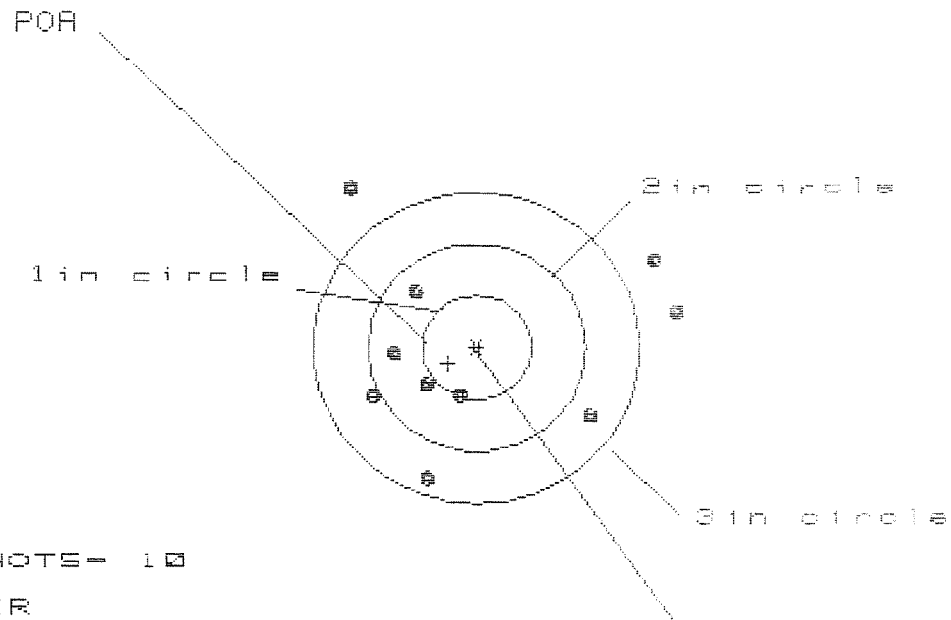
GS= 3.700

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.927	.689	.764
MINIMUM X	:	-1.447	-1.233	-1.158
MAXIMUM Y	:	1.266	1.153	.911
MINIMUM Y	:	-1.828	-1.941	-1.032
CENTROID X	:	.862	.648	.573
CENTROID Y	:	-.418	-.305	-.063
POB TO CENTROID in.	:	.958	.717	.576
MIN RADIUS	:	.463	.422	.378
MEAN RADIUS	:	1.146	1.012	.860
MAX RADIUS	:	2.179	2.032	1.167
HORIZONTAL SPREAD	:	3.374	1.922	1.922
VERTICAL SPREAD	:	3.094	3.094	1.943
EXTREME SPREAD	:	3.700	3.100	1.958
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			7	

30 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225420

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 3.003

VS= 2.781

GS= 3.209

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.877
MINIMUM X	-1.127
MAXIMUM Y	1.510
MINIMUM Y	-1.271
CENTROID X	.261
CENTROID Y	.157
POA TO CENTROID in.	.304
MIN RADIUS	.489
MEAN RADIUS	1.198
MAX RADIUS	1.914
HORIZONTAL SPREAD	3.003
VERTICAL SPREAD	2.781
EXTREME SPREAD	3.209
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	7