

06349142

MODEL 700™ M24

Model SWS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington™

Serial Number: C6349142
Model: 700



RE00049198

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349142.___0
FILE DATE AND TIME: 08/01/2002 22:03

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.155
The Average Y Centroid of the Five Target Set:	0.004
The Average Point of Impact of the Five Target Set:	0.155
The Average Mean Radius of the Five Target Set:	0.612
The Distance from POA to Centroid Target #1:	0.239
The Distance from Centroid Target #2 to Centroid Target #1:	0.114
The Distance from Centroid Target #3 to Centroid Target #1:	0.066
The Distance from Centroid Target #4 to Centroid Target #1:	0.186
The Distance from Centroid Target #5 to Centroid Target #1:	0.248

SERIAL NUMBER: C6349142. __ 0

TARGET NUMBER: 1

FILE DATE: 08/01/2002

FILE TIME: 22:03

X CENTROID: -0.230

Y CENTROID: -0.066

POA TO CENTROID: 0.239

HORZ SPREAD: 1.243

VERT SPREAD: 1.226

GROUP SPREAD: 1.334

MIN RADIUS: 0.024

MAX RADIUS: 0.799

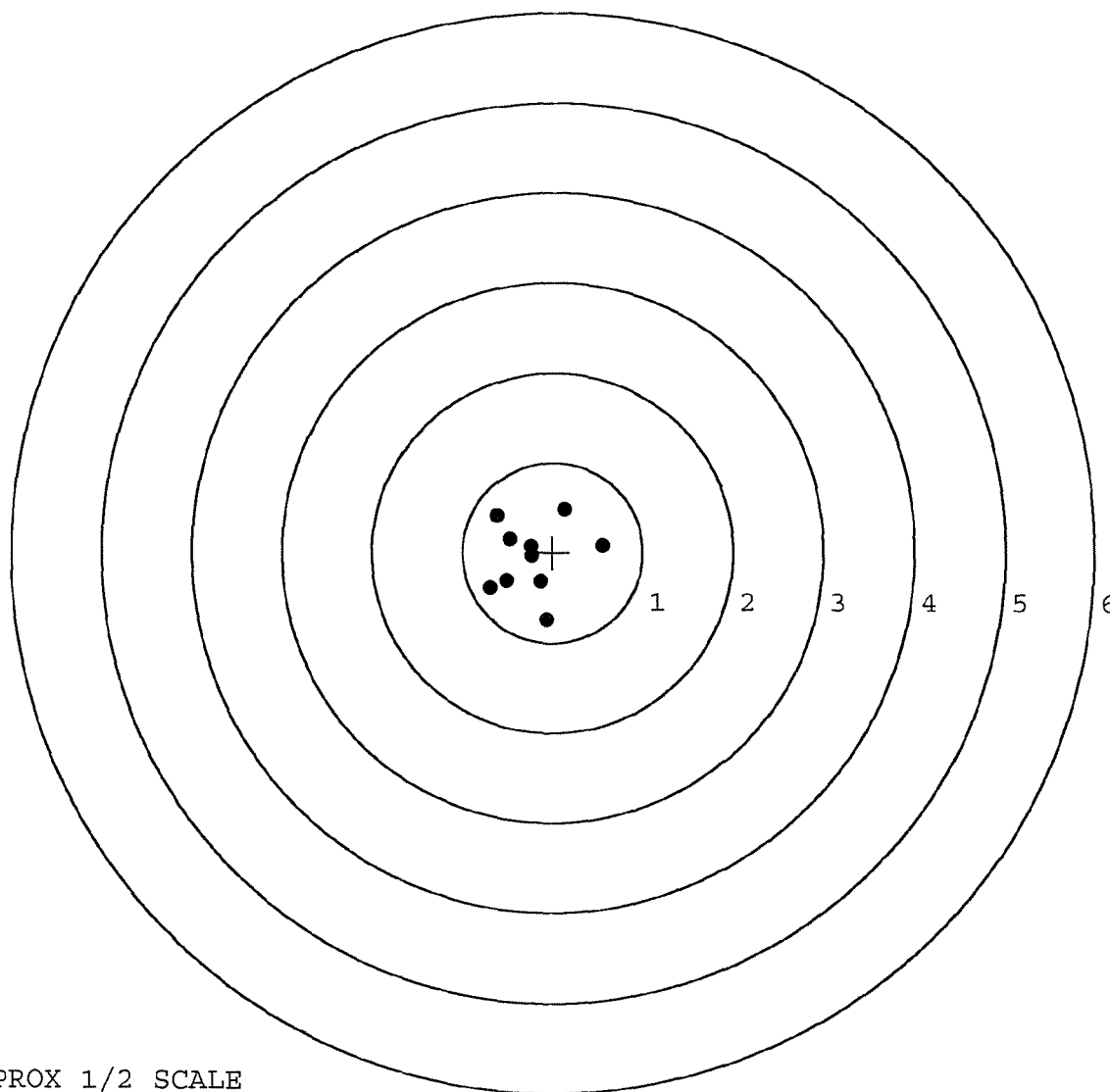
MEAN RADIUS: 0.449

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.556	0.077
2:	0.130	0.478
3:	-0.622	0.412
4:	-0.478	0.153
5:	-0.246	0.066
6:	-0.238	-0.044
7:	-0.513	-0.318
8:	-0.687	-0.406
9:	-0.129	-0.333
10:	-0.069	-0.748



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349142. __0

TARGET NUMBER: 2

FILE DATE: 08/01/2002

FILE TIME: 22:03

X CENTROID: -0.287

Y CENTROID: 0.033

POA TO CENTROID: 0.288

HORZ SPREAD: 1.984

VERT SPREAD: 0.719

GROUP SPREAD: 1.990

MIN RADIUS: 0.113

MAX RADIUS: 1.205

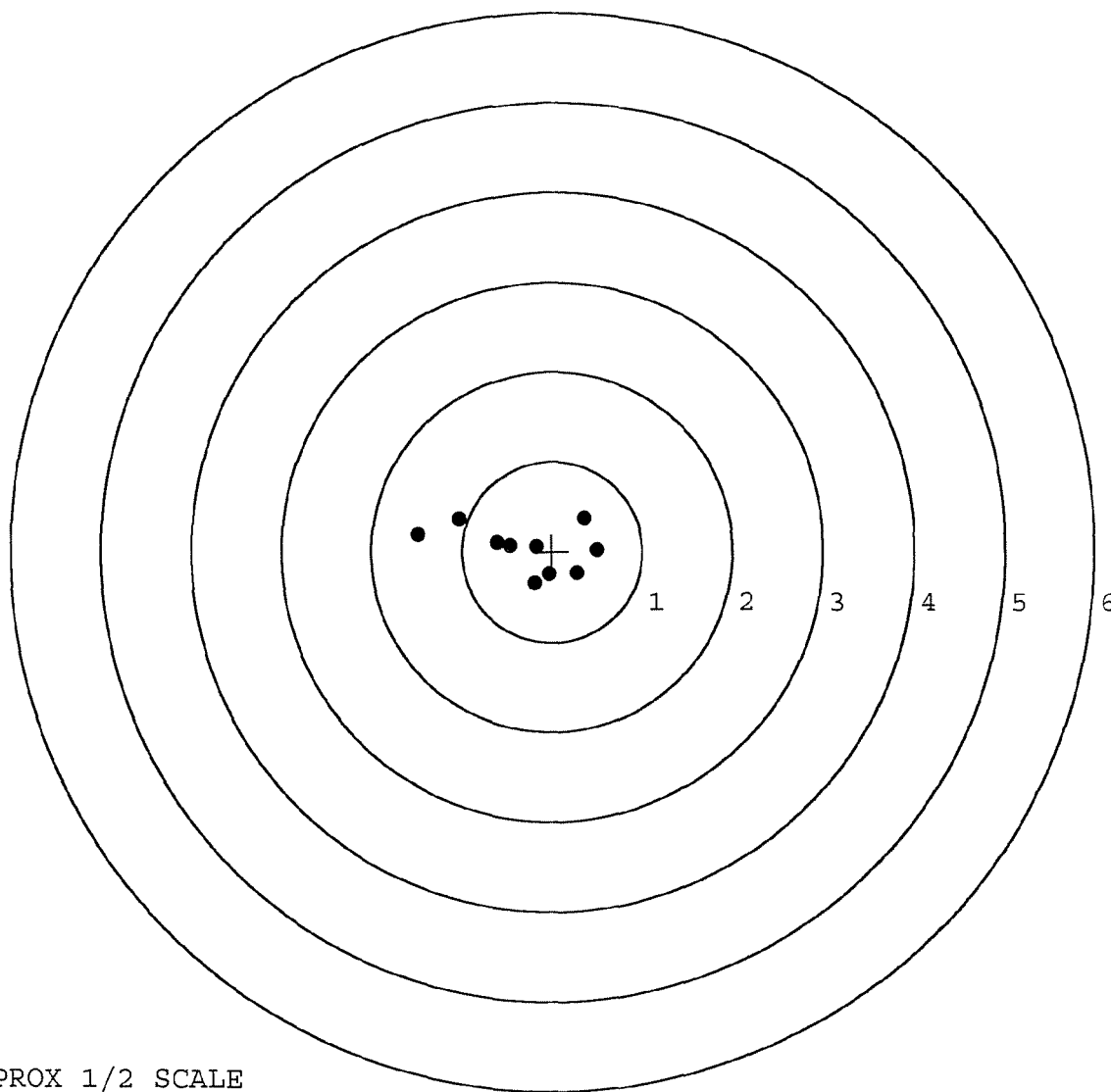
MEAN RADIUS: 0.556

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.482	0.185
2:	-1.036	0.355
3:	0.358	0.370
4:	0.502	0.026
5:	-0.175	0.054
6:	-0.468	0.073
7:	-0.607	0.105
8:	-0.198	-0.349
9:	-0.038	-0.252
10:	0.279	-0.238

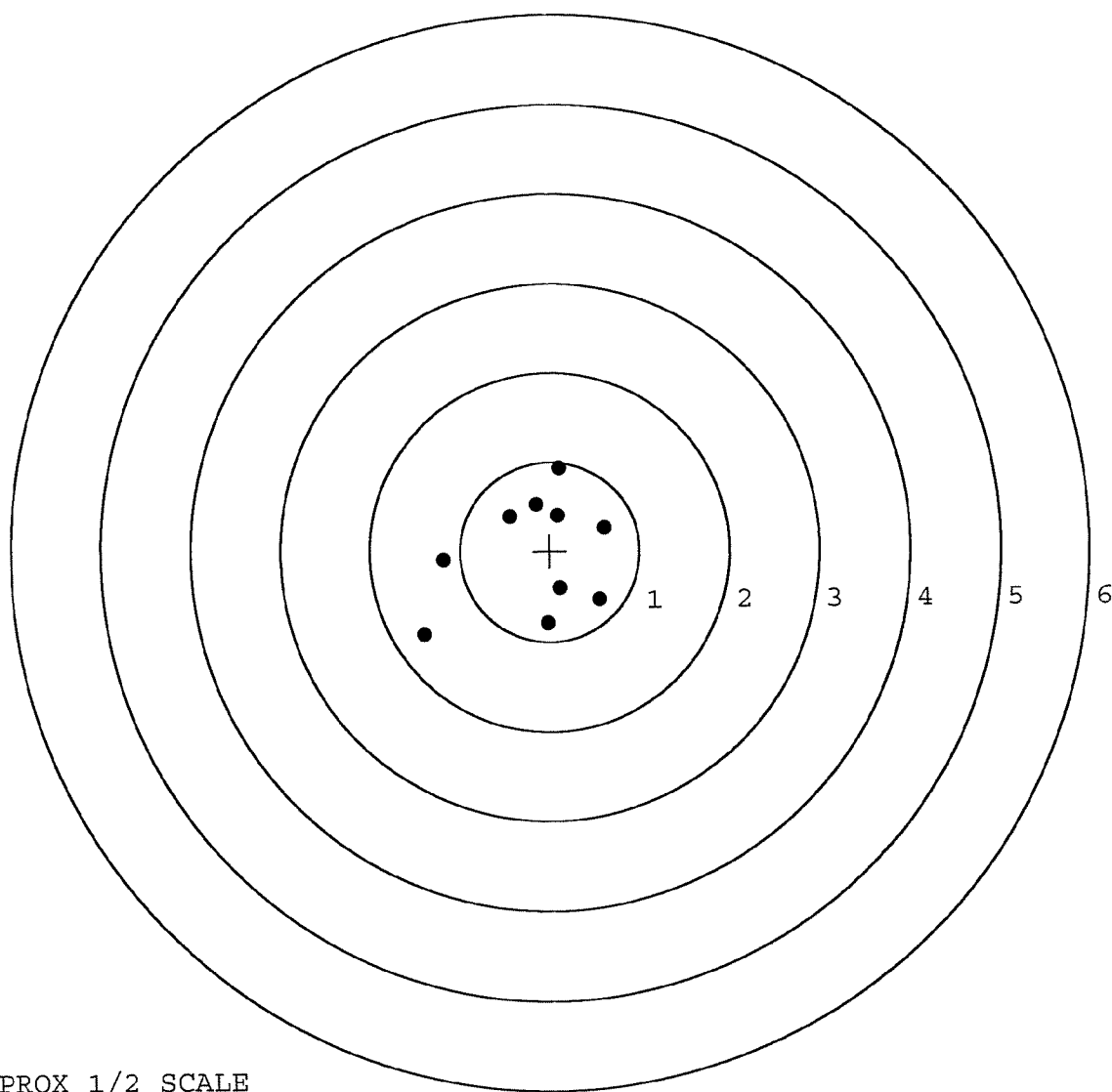


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349142.___0
TARGET NUMBER: 3
FILE DATE: 08/01/2002
FILE TIME: 22:03

X CENTROID: -0.175
Y CENTROID: -0.029
POA TO CENTROID: 0.177
HORZ SPREAD: 2.013
VERT SPREAD: 1.847
GROUP SPREAD: 2.388
MIN RADIUS: 0.482
MAX RADIUS: 1.517
MEAN RADIUS: 0.808
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.403	-0.920
2:	-1.186	-0.100
3:	-0.028	-0.806
4:	0.111	-0.418
5:	0.551	-0.543
6:	0.610	0.258
7:	0.110	0.927
8:	-0.153	0.525
9:	0.087	0.397
10:	-0.444	0.387

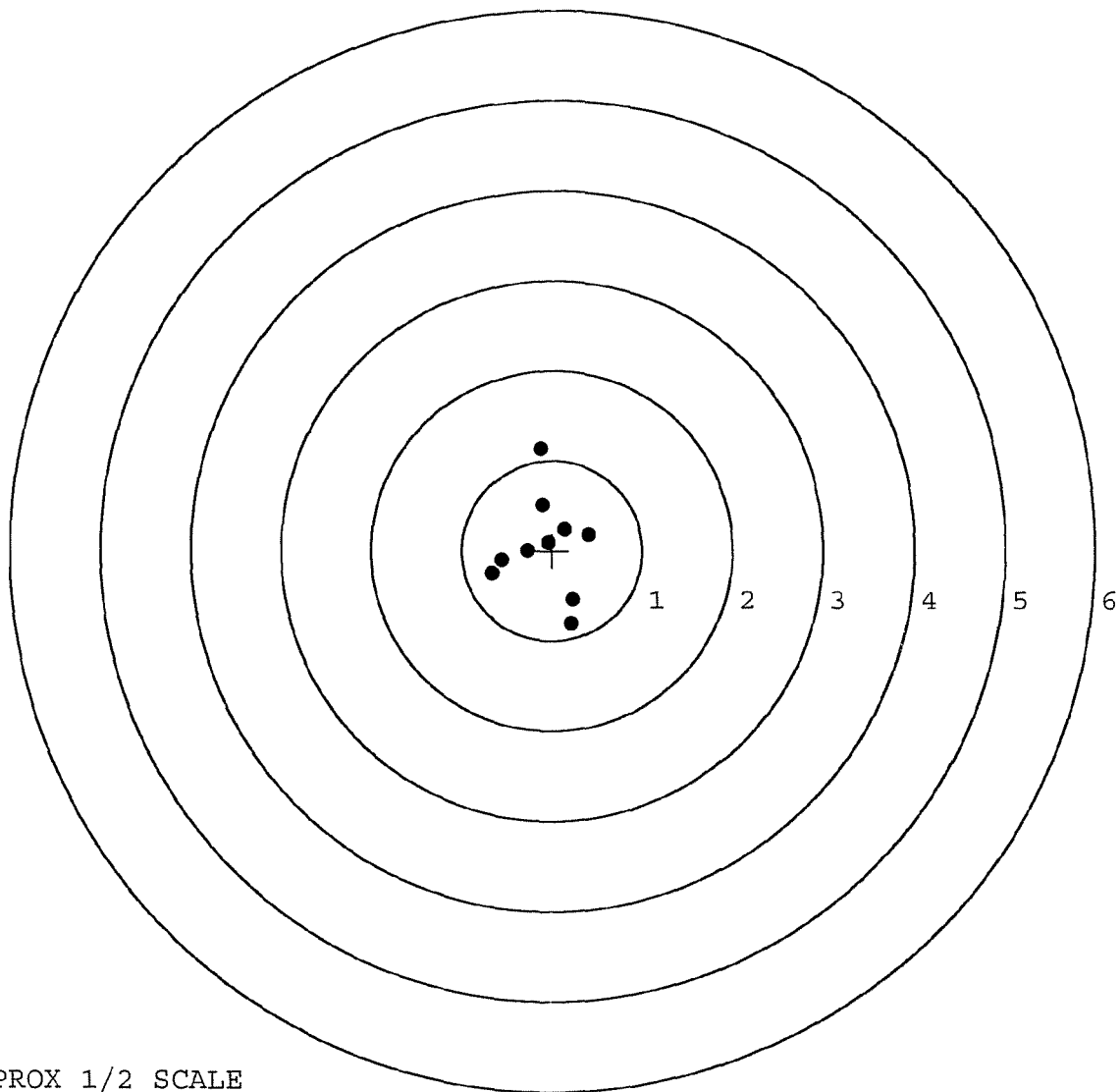


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349142. __0
TARGET NUMBER: 4
FILE DATE: 08/01/2002
FILE TIME: 22:03

X CENTROID: -0.080
Y CENTROID: 0.044
POA TO CENTROID: 0.091
HORZ SPREAD: 1.074
VERT SPREAD: 1.944
GROUP SPREAD: 1.974
MIN RADIUS: 0.060
MAX RADIUS: 1.088
MEAN RADIUS: 0.536
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.216	-0.814
2:	0.229	-0.553
3:	-0.667	-0.247
4:	-0.566	-0.106
5:	-0.275	0.003
6:	-0.042	0.090
7:	0.143	0.237
8:	0.407	0.183
9:	-0.113	0.512
10:	-0.127	1.130



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349142.___0

TARGET NUMBER: 5

FILE DATE: 08/01/2002

FILE TIME: 22:03

X CENTROID: -0.006

Y CENTROID: 0.041

POA TO CENTROID: 0.042

HORZ SPREAD: 2.150

VERT SPREAD: 1.658

GROUP SPREAD: 2.167

MIN RADIUS: 0.230

MAX RADIUS: 1.540

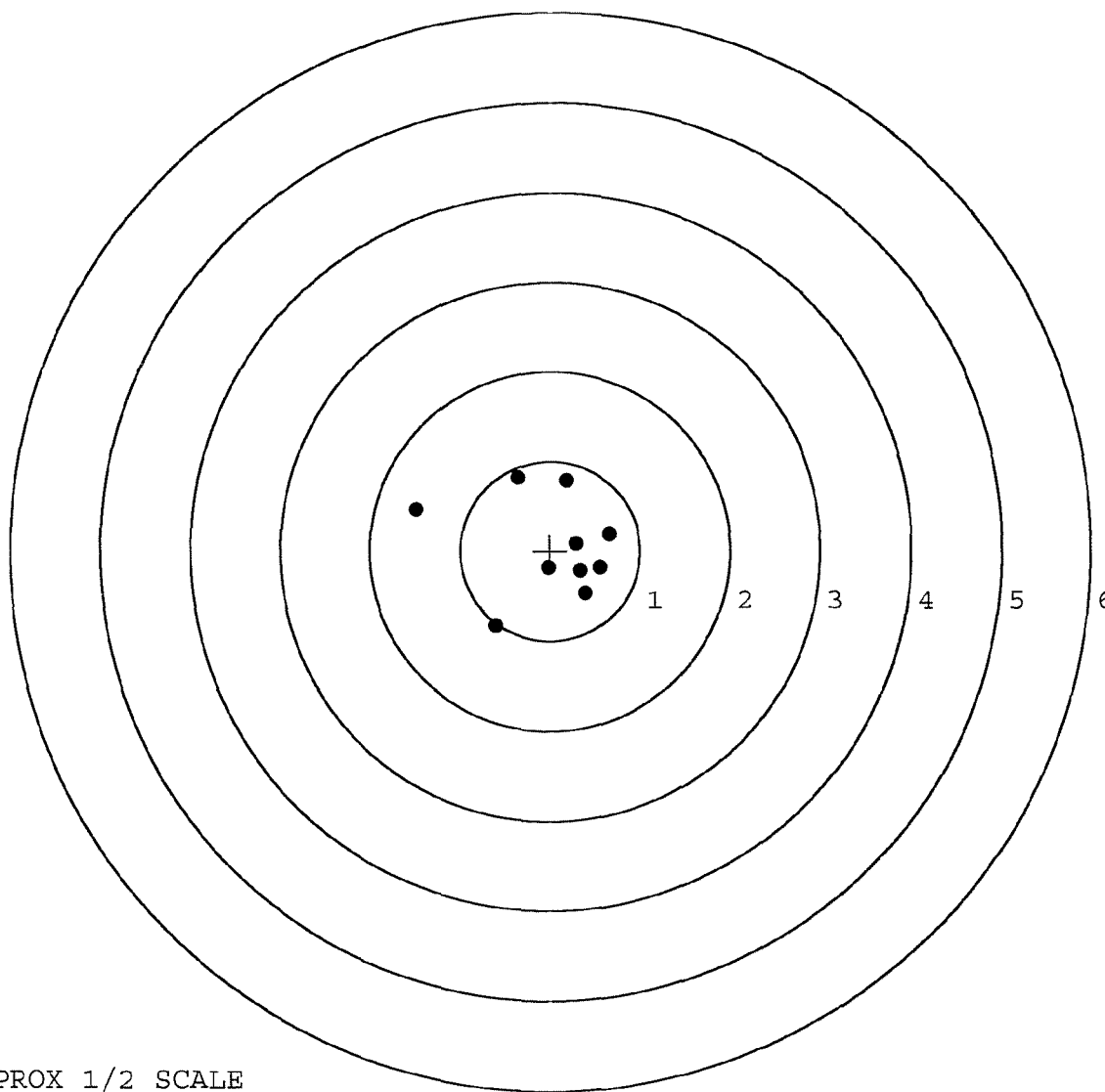
MEAN RADIUS: 0.713

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.184	0.785
2:	-0.364	0.818
3:	-1.489	0.456
4:	-0.601	-0.840
5:	0.661	0.188
6:	0.287	0.085
7:	-0.026	-0.188
8:	0.391	-0.474
9:	0.339	-0.225
10:	0.554	-0.192



TARGET APPROX 1/2 SCALE

Final Inspection

IN: C6349142

DATE REC'D: 7/12/02

DATE RET'D: 8/1/02

AUDITOR: RL

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:

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

R & E NUMBER	49198		
SERIAL NUMBER	C6349142		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/16/02	RL
560 A	RE-BARREL	7/17/02	DA
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/19/02	RL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX	MAGNA - FLUX	
615	ROLLMARK CALIBER	INSPECTED 7/23/02	TCD
618	ROTO-BLAST	JUL 23 2002 7/25/02	KO
620	APPLY COATINGS	OPERATOR 7-26	TA
625 A	FINAL ASSEMBLY	7/30/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	7-31-02	RL
655	FINAL INSPECT	8/2/02	RL
660	PACK	8/2/02	DA
		SHIP DATE	
	QAR INSPECTION DATE		

GUN SERIAL # C6349142

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	AC
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action	10/13/89		KCR
	Magnaflux Bolt	10/13/89		KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	10 1689		LB
618	Polish Barrel RB	10 1689		BT
620	Apply Coatings (Barrel Action)		10-27-89	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/30/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/30/89	RW
	C) Inspect Ejector Hole for Chamfer		10/30/89	RW
	D) Oil Firing Pin Ass'y		10/30/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/1/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			11/1/89	gl
	G) Safety Off Force	3	3	3			11/1/89	gl
	H) Trigger Pull Test & Retainability						11/1/89	was
	I) Firing Pin Indent	.0205	.0205	.0206			11/1/89	gl
	J) Assemble Stock						11/2/89	RW
	K) Assemble Swivel Studs						11/2/89	gl
	L) Attach Front and Rear Sight Assemblies						11/2/89	RW
	M) Iron Sight Alignment						11/2/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/2/89	RW
	O) Attach Scope to Rifle						11/2/89	gl
	P) Detach & Attach Scope 20 Times						11/2/89	gl
640	Gallery Target & Test						11-3-89	DH
	A) Time						11-3-89	DH
	B) Malfunctions						11-3-89	DH
	C) Pierced Primers						11-3-89	DH
	D) Optical Clarity of Scope						11-3-89	DH
645	Inspect for Live Ammo						11-3-89	DH
655	Final Inspection							
	A) Headspace						7/10/89	gl
	B) Trigger Pull	251	247	261	270	235	7/10/89	gl
	C) Function						7/10/89	gl
660	Pack						14/1/89	gl

MOD. _____ GA. CAL. _____ GUN # _____

#	DATE	MALFUNCTION/DEFECT	ASSEM. #
TEST	1st		
		Slaves Brass & Don't eject	DW
	2nd		
	11/6/89	Polish Ejector Rear Ejector Hole	RW
	3rd		
		100 Rds OK	AK
		11/6/89	
	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		

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349142

DATE 3/28/90

TESTER DT4

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.50	2.28	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.29	2.42	
PULL #3	2.38	2.34	2.39	
PULL #4	2.43	2.34	2.39	
PULL #5	2.40	2.34	2.41	
TOTAL	12.17	11.59	11.99	
AVG.	2.43	2.31	2.39	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.27	3.32	
PULL #2	3.35	3.39	
PULL #3	3.36	3.37	
PULL #4	3.37	3.34	
PULL #5	3.32	3.35	
TOTAL	16.67	16.77	
AVG.	3.33	3.35	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.33		
PULL #2	4.39	4.29		
PULL #3	4.40	4.36		
PULL #4	4.44	4.42		
PULL #5	4.37	4.38		
TOTAL	21.89	21.78		
AVG.	4.37	4.35		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349142
3 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.538075
1 TO	2	.998884
1 TO	3	.39499
1 TO	4	.778563
1 TO	5	.818352

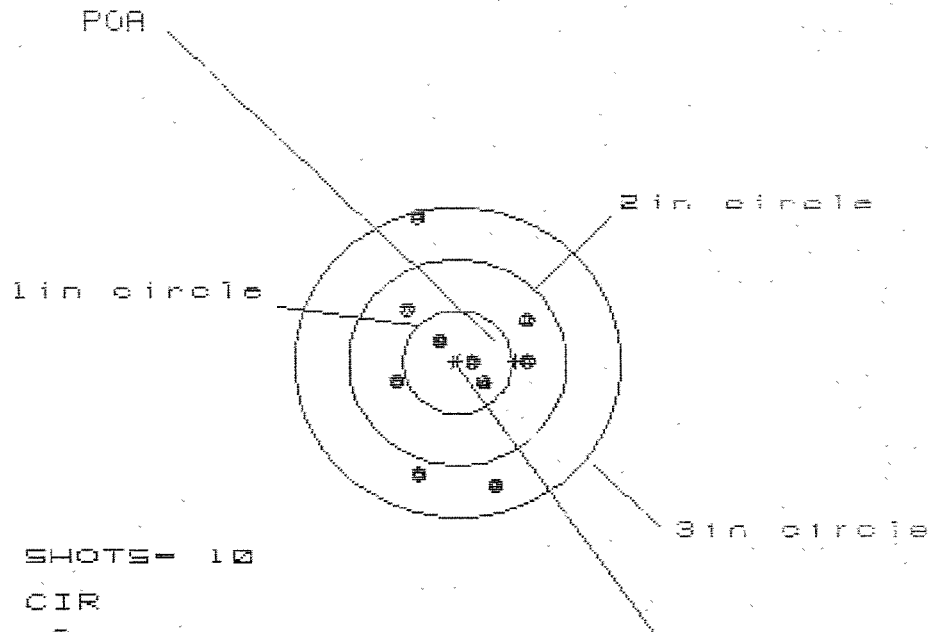
$\frac{13+42}{5}$ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0268
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.025
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0366502
THE AMR FOR THIS RIFLE IS: .8478

3 Nov 1969

FILE:/PATTERNING/CENTERFIRE_PATT/C6349142

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.287

VS= 2.606

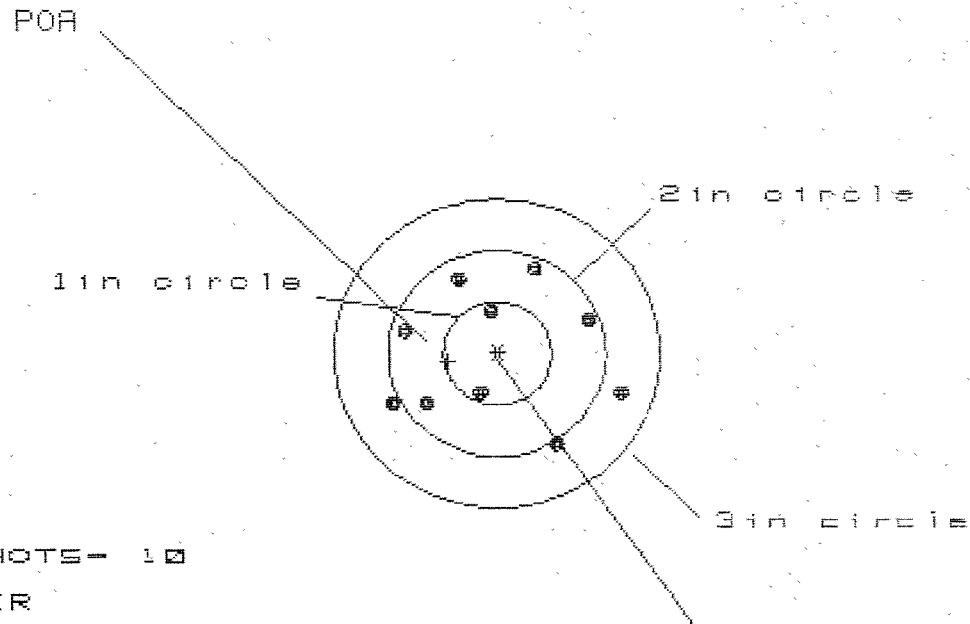
GS= 2.711

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.685	.640	.676
MINIMUM X	:	-.601	-.647	-.611
MAXIMUM Y	:	1.443	.659	.533
MINIMUM Y	:	-1.163	-1.002	-1.097
CENTROID X	:	-.538	-.493	-.529
CENTROID Y	:	-.009	-.170	-.044
POA TO CENTROID in.	:	.539	.521	.531
MIN RADIUS	:	.097	.154	.104
MEAN RADIUS	:	.730	.651	.576
MAX RADIUS	:	1.500	1.046	1.150
HORIZONTAL SPREAD	:	1.287	1.287	1.287
VERTICAL SPREAD	:	2.606	1.661	1.620
EXTREME SPREAD	:	2.711	1.857	1.857
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349142

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.135

VS= 1.653

GS= 2.137

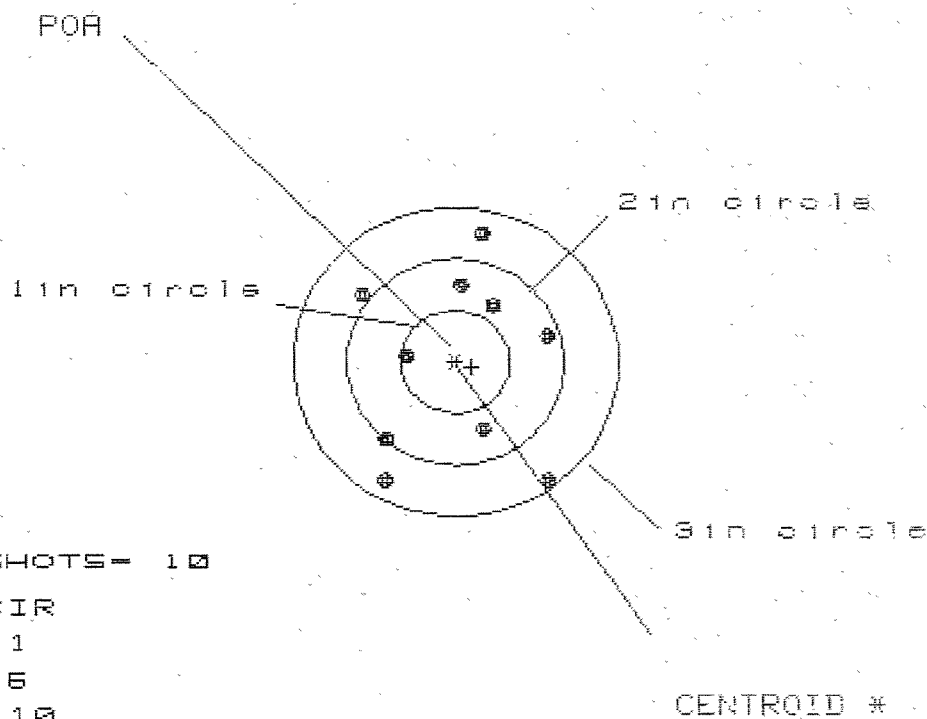
CENTROID *

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.173	1.006	.992
MINIMUM X	-.962	-.831	-.842
MAXIMUM Y	.799	.761	.703
MINIMUM Y	-.854	-.892	-.950
CENTROID X	.457	.326	.430
CENTROID Y	.079	.117	.175
POA TO CENTROID in.	.464	.347	.465
MIN RADIUS	.420	.401	.324
MEAN RADIUS	.843	.785	.758
MAX RADIUS	1.222	1.106	1.098
HORIZONTAL SPREAD	2.135	1.837	1.744
VERTICAL SPREAD	1.653	1.653	1.653
EXTREME SPREAD	2.137	1.972	1.793
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349J42

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 1.746

VS= 2.439

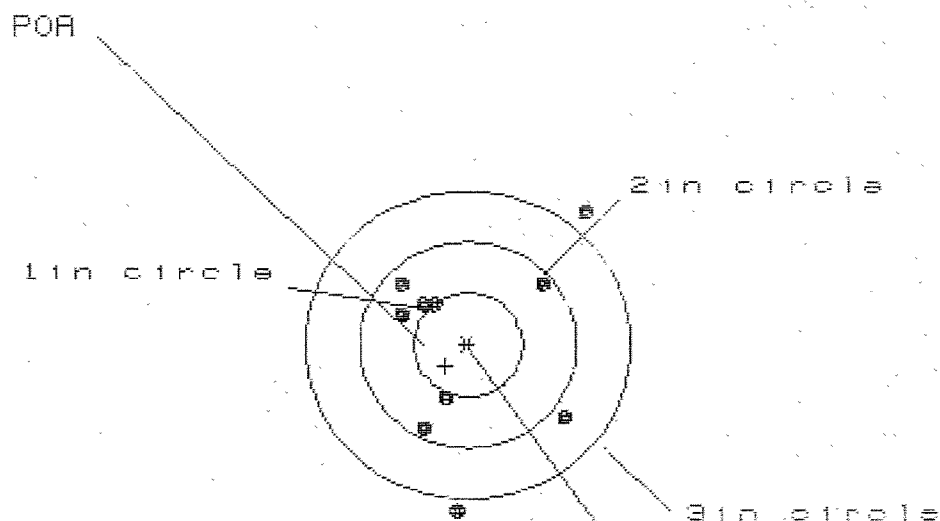
GS= 2.593

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.876	.905	.837
MINIMUM X	:	-.870	-.772	-.840
MAXIMUM Y	:	1.282	1.160	1.000
MINIMUM Y	:	-1.157	-1.279	-.994
CENTROID X	:	-.147	-.245	-.177
CENTROID Y	:	.047	.169	.329
POA TO CENTROID in.	:	.155	.297	.374
MIN RADIUS	:	.455	.363	.471
MEAN RADIUS	:	.950	.881	.795
MAX RADIUS	:	1.404	1.388	1.178
HORIZONTAL SPREAD	:	1.746	1.677	1.677
VERTICAL SPREAD	:	2.439	2.439	1.994
EXTREME SPREAD	:	2.593	2.593	2.191
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349142

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in - 1

2in - 7

3in - 8

HS- 1.737

VS= 2.922

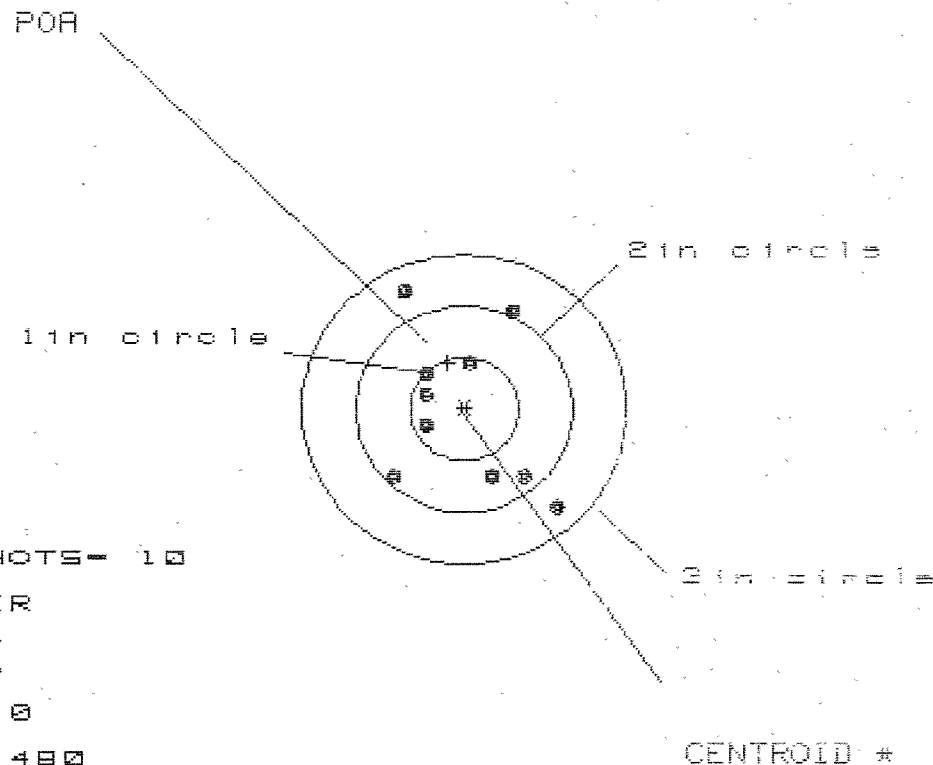
GS= 3.168

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.100	.995	.995
MINIMUM X	-.637	-.514	-.515
MAXIMUM Y	1.293	.763	.578
MINIMUM Y	-1.629	-1.486	-.880
CENTROID X	.210	.887	.038
CENTROID Y	.207	.064	.249
POA TO CENTROID in.	.295	.138	.264
MIN RADIUS	.479	.336	.376
MEAN RADIUS	.945	.842	.732
MAX RADIUS	1.698	1.486	1.240
HORIZONTAL SPREAD	1.737	1.509	1.509
VERTICAL SPREAD	2.922	2.249	1.458
EXTREME SPREAD	3.168	2.382	2.004
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CS345142

CENTERFIRE PATTERNS # 5



OF SHOTS= 10
 # IN CIR
 1in = 4
 2in = 7
 3in = 10
 HS= 1.480
 VS= 2.108
 GS= 2.498

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.825	.768	.612
MINIMUM X	:	-.655	-.712	-.616
MAXIMUM Y	:	1.179	1.108	1.008
MINIMUM Y	:	-.929	-.798	-.635
CENTROID X	:	.152	.209	.113
CENTROID Y	:	-.449	-.580	-.430
POA TO CENTROID in.	:	.474	.617	.494
MIN RADIUS	:	.374	.389	.325
MEAN RADIUS	:	.771	.717	.641
MAX RADIUS	:	1.287	1.171	1.115
HORIZONTAL SPREAD	:	1.480	1.480	1.228
VERTICAL SPREAD	:	2.108	1.906	1.643
EXTREME SPREAD	:	2.498	1.945	1.919
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	




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

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

MODEL 700™ H24

SERIAL NO.
C6349142

ORDER NO.
5716

MADE IN U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

01

