

C6611787

MODEL 700™ M24

Model **SAS**

Action

TM

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: **RE00103505** Serial: C6611797 Model M24 SWS Center Fire Repairman: Status: New 11/9/2005 3:02:31 PM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: CDR 342 AND MPBN CDR 342 AND MPBN

Address 1: 252 MP DEF BLDG 17076 252 MP DEF BLDG 17076

Address 2: MICHIGAN AVE PO Box: MICHIGAN AVE PO Box:

City: FORT LEONARD WOOD FORT LEONARD WOOD

State: MO Zip Code: 65473 Country: US State: MO Zip Code: 65473 Country: US

FPL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: N/A Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A009	Soft Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A042	Adjustable Butt Pad	1
A044	Extra Clip	1
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

11/9/2005 3:11 PM CAPS NUM INS SCPL

start 3 3 3 3

Serial Number: **C6611787**

Model: **M24 SWS**



RE00103505

[illegible]

M2400036031

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611787.__0
FILE DATE AND TIME: 11/29/2005 14:41

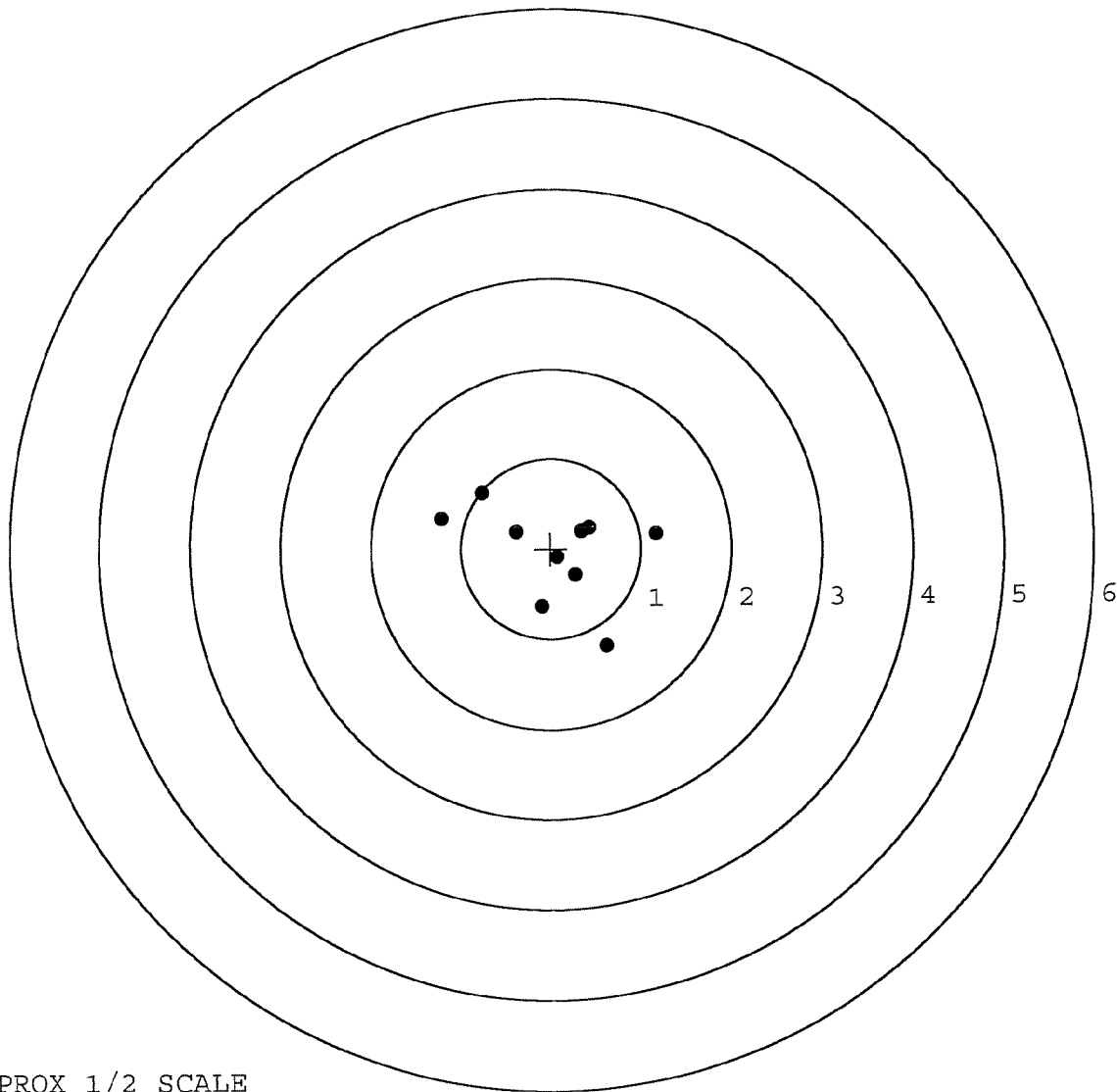
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.124
The Average Y Centroid of the Five Target Set:	-0.033
The Average Point of Impact of the Five Target Set:	0.128
The Average Mean Radius of the Five Target Set:	0.648
The Distance from POA to Centroid Target #1:	0.058
The Distance from Centroid Target #2 to Centroid Target #1:	0.042
The Distance from Centroid Target #3 to Centroid Target #1:	0.194
The Distance from Centroid Target #4 to Centroid Target #1:	0.188
The Distance from Centroid Target #5 to Centroid Target #1:	0.107

SERIAL NUMBER: C6611787.___0
TARGET NUMBER: 1
FILE DATE: 11/29/2005
FILE TIME: 14:41

X CENTROID: 0.045
Y CENTROID: -0.037
POA TO CENTROID: 0.058
HORZ SPREAD: 2.385
VERT SPREAD: 1.707
GROUP SPREAD: 2.391
MIN RADIUS: 0.067
MAX RADIUS: 1.315
MEAN RADIUS: 0.708
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.170	0.166
2:	0.614	-1.083
3:	-0.105	-0.650
4:	0.277	-0.298
5:	0.076	-0.096
6:	0.343	0.196
7:	0.433	0.238
8:	-0.385	0.193
9:	-0.761	0.624
10:	-1.215	0.341



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611787. __0

TARGET NUMBER: 2

FILE DATE: 11/29/2005

FILE TIME: 14:41

POINT#	X	Y
1:	0.045	-1.036
2:	-0.050	-0.720
3:	-0.426	-0.196
4:	-0.058	0.296
5:	-0.319	0.348
6:	-0.549	0.416
7:	-1.005	0.643
8:	0.551	-0.143
9:	1.187	-0.003
10:	1.248	0.402

X CENTROID: 0.062

Y CENTROID: 0.001

POA TO CENTROID: 0.062

HORZ SPREAD: 2.253

VERT SPREAD: 1.679

GROUP SPREAD: 2.266

MIN RADIUS: 0.319

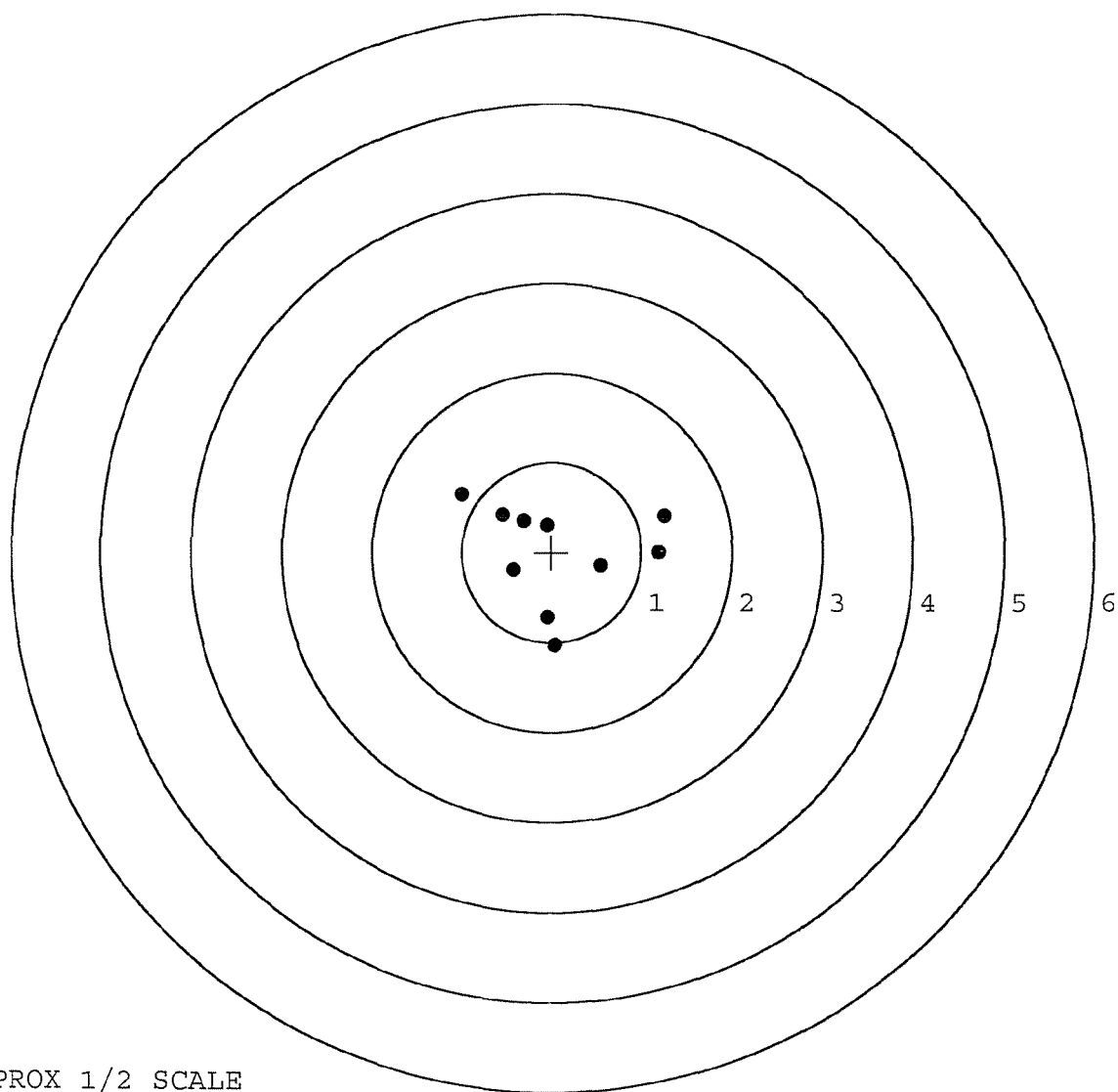
MAX RADIUS: 1.252

MEAN RADIUS: 0.800

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

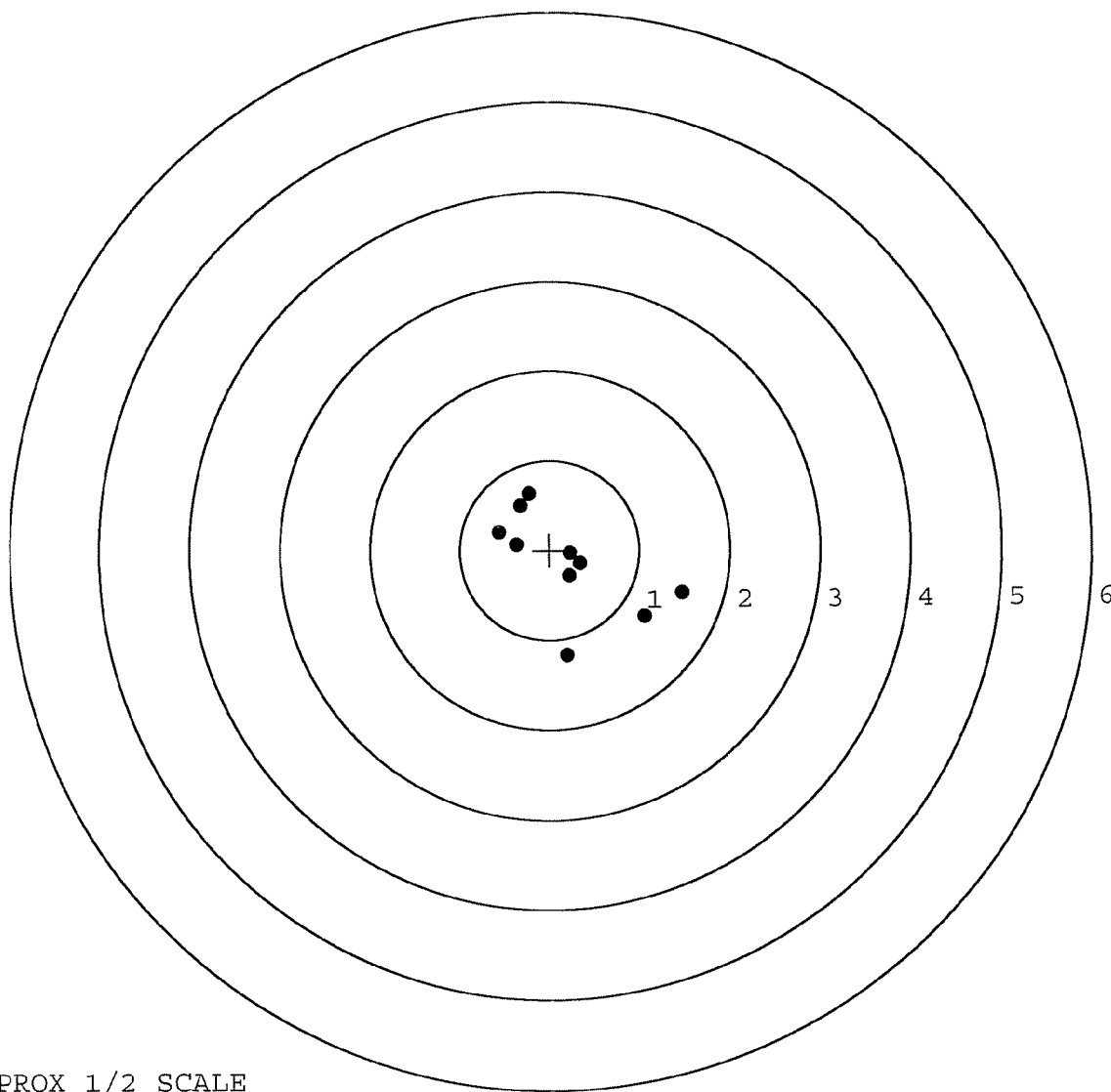


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611787.___0
TARGET NUMBER: 3
FILE DATE: 11/29/2005
FILE TIME: 14:41

POINT#	X	Y
1:	1.469	-0.485
2:	1.054	-0.744
3:	0.197	-1.179
4:	0.221	-0.288
5:	0.233	-0.035
6:	-0.369	0.060
7:	-0.560	0.202
8:	-0.323	0.496
9:	-0.232	0.633
10:	0.343	-0.153

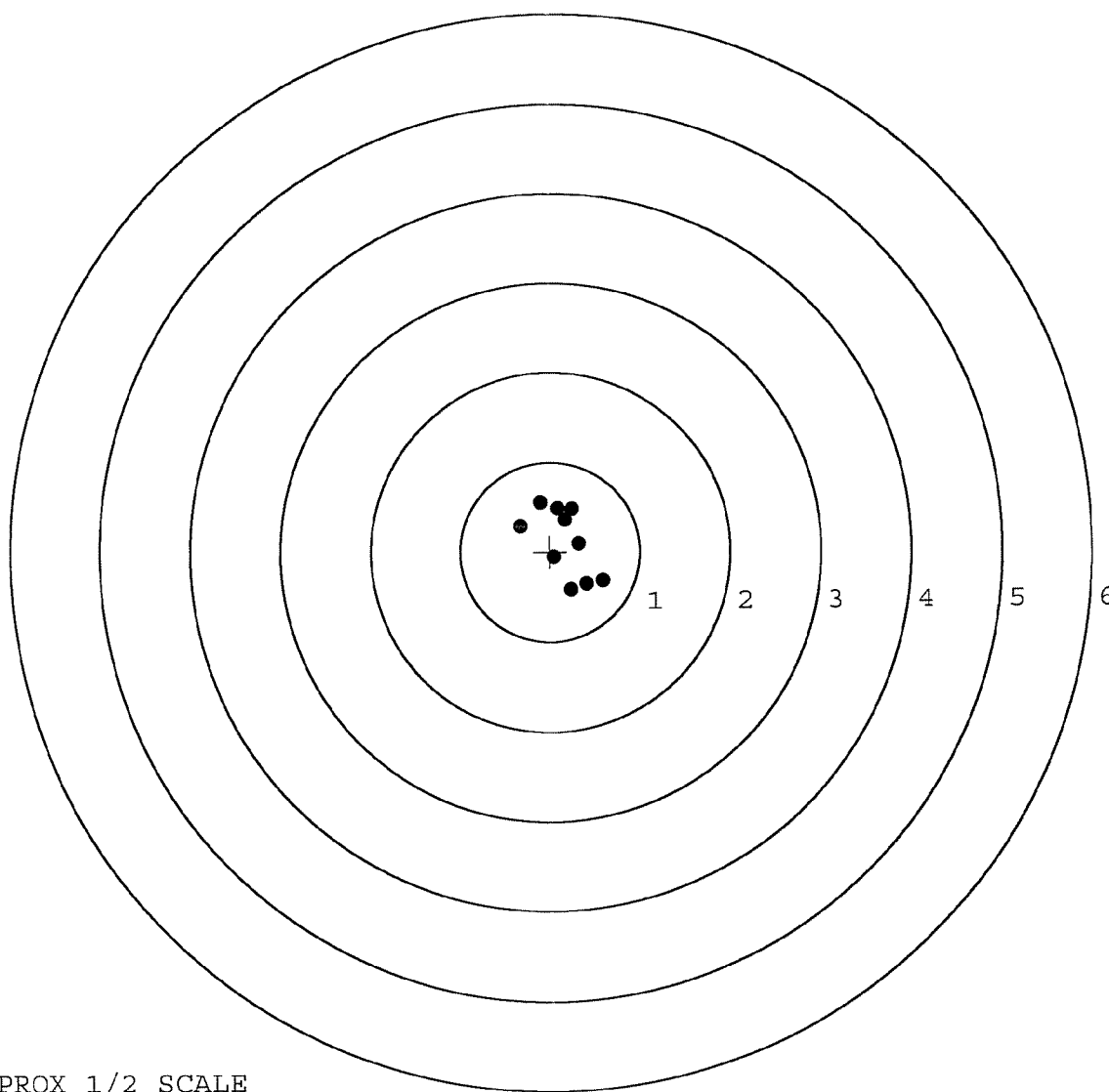
X CENTROID: 0.203
Y CENTROID: -0.149
POA TO CENTROID: 0.252
HORZ SPREAD: 2.029
VERT SPREAD: 1.812
GROUP SPREAD: 2.142
MIN RADIUS: 0.118
MAX RADIUS: 1.309
MEAN RADIUS: 0.695
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611787.____0
TARGET NUMBER: 4
FILE DATE: 11/29/2005
FILE TIME: 14:41

	POINT#	X	Y
	1:	0.587	-0.330
	2:	0.413	-0.364
	3:	0.237	-0.431
	4:	0.041	-0.062
	5:	0.324	0.092
	6:	0.170	0.355
	7:	0.250	0.479
	8:	0.087	0.486
	9:	-0.112	0.547
	10:	-0.327	0.282
X CENTROID:		0.167	
Y CENTROID:		0.105	
POA TO CENTROID:		0.197	
HORZ SPREAD:		0.914	
VERT SPREAD:		0.978	
GROUP SPREAD:		1.121	
MIN RADIUS:		0.158	
MAX RADIUS:		0.605	
MEAN RADIUS:		0.411	
# IN 1 IN DIAMETER:		5	
# IN 2 IN DIAMETER:		10	
# in 3 IN DIAMETER:		10	

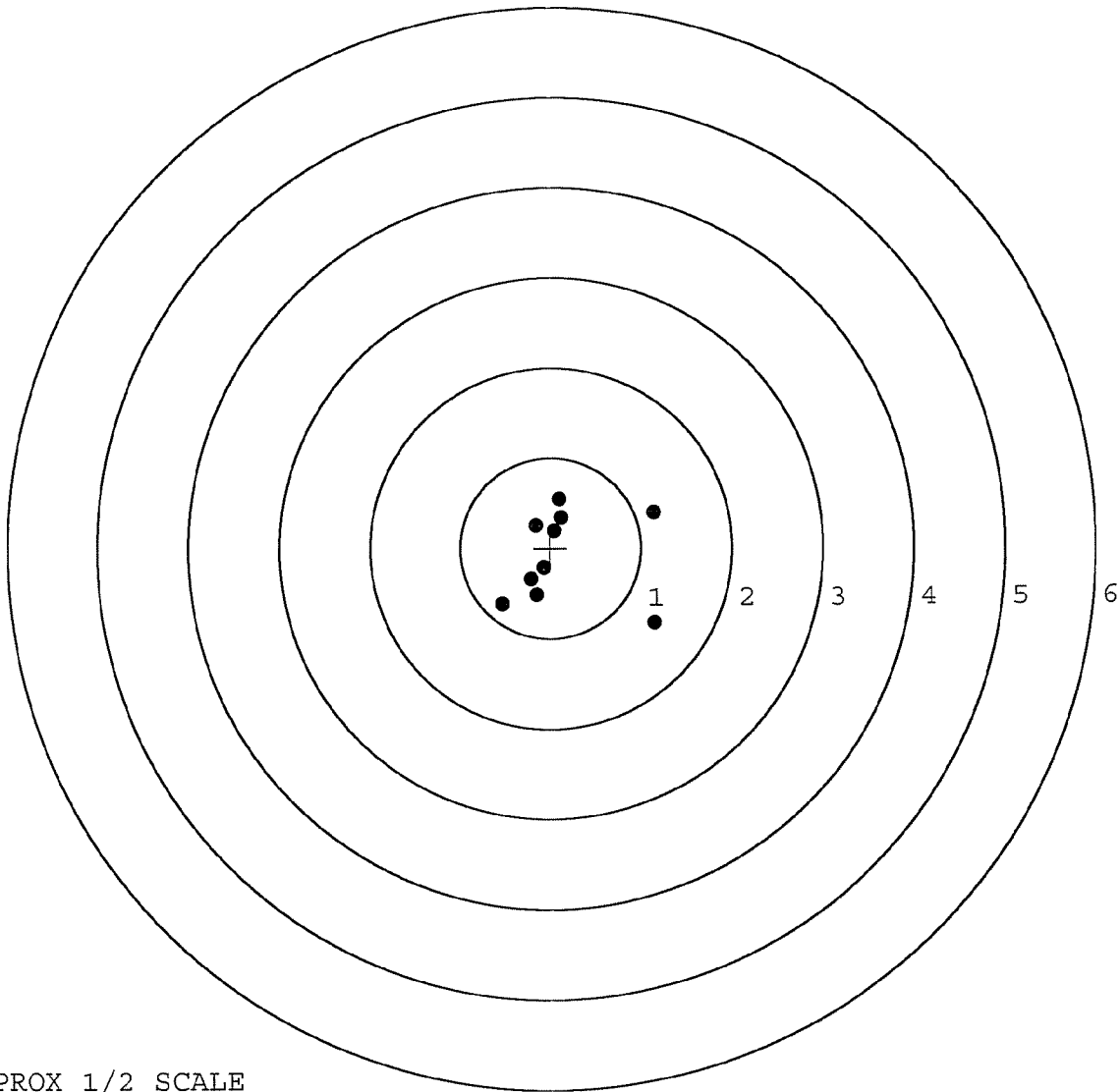


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611787. __0
TARGET NUMBER: 5
FILE DATE: 11/29/2005
FILE TIME: 14:41

X CENTROID: 0.141
Y CENTROID: -0.084
POA TO CENTROID: 0.164
HORZ SPREAD: 1.687
VERT SPREAD: 1.379
GROUP SPREAD: 1.728
MIN RADIUS: 0.261
MAX RADIUS: 1.255
MEAN RADIUS: 0.627
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.148	-0.834
2:	1.142	0.390
3:	0.106	0.545
4:	-0.161	0.249
5:	0.045	0.191
6:	-0.080	-0.223
7:	-0.159	-0.525
8:	-0.539	-0.626
9:	0.121	0.339
10:	-0.214	-0.351



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	103 505			
SERIAL NUMBER	C6611787			
LOG-IN DATE	11-9-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-14-05	RT
505	RE-BARREL		11-15-05	RT
560	ASSEMBLE		11-15-05	CD
600	PROOF	MAGNA - FLUX	11-15-05	CD
605	CHECK HEADSPACE	INSPECTED	11-15-05	CD
610	DIS-ASSEMBLE GUN	NOV 18 2005	11-15-05	CD
612	MAGNAFLUX	OPERATOR <i>LMUS</i>	11/18/05	<i>LMUS</i>
510	DRILL AND TAP		11-18-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	LB
620	APPLY COATINGS		11/22/05	RB
625	FINAL ASSEMBLY		11-28-05	RT
640	FUNCTION TEST AND	PASS FAIL	11-29-05	TRW
650	TARGET	PASS FAIL	11-29-05	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	11-29-05	TRW
670	FINAL INSPECTION		11-29-05	AC
	A) HEADSPACE	PASS FAIL	11-29-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		X
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	7 lbs 4 lbs 4 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs	AC
	I) FIRING PIN INDENT	.020	.022 .022 .022	AC
690	PACK		12-3-05	PA




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

MODEL 700™ N24

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

SERIAL NO.
C6611787

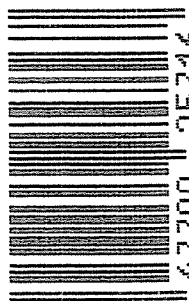
ORDER NO.
5716

46



5716 C6611787

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611787

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 28	91	RW
600	Proof	3 28	91	RW
607	Check Headspace	3 28	91	RW
610	Dis-assemble Gun	3 28	91	RW
612	Magnaflux Barrel Action	APR	2 1991	KR
	Magnaflux Bolt	APR	2 1991	CC
615	Rollmark Caliber	APR	2 1991	JS
617	Drill and Tap Sight Holes	APR	5 1991	LB
618	Polish Barrel	APR	5 1991	WB
620	Apply Coatings (Barrel Action)		4-9-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	RW
	C) Inspect Ejector Hole for Chamfer		4/10/91	RW
	D) Oil Firing Pin Ass'y		4/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/22/91	RL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			4-22-91	D/H
	G) Safety Off Force	3	3 1/2	4			4-22-91	D/H
	H) Trigger Pull Test & Retainability						4/22/91	JD
	I) Firing Pin Indent	.020	.020	.021			4-22-91	D/H
	J) Assemble Stock						4/22/91	RW
	K) Assemble Swivel Studs						5-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						4/22/91	RW
	M) Iron Sight Alignment						4/22/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/22/91	RW
	O) Attach Scope to Rifle						4/22/91	RW
	P) Detach & Attach Scope 20 Times						4/22/91	RW
640	Gallery Target & Test						4-23-91	AC
	A) Time						4-23-91	AC
	B) Malfunctions						4-23-91	AC
	C) Pierced Primers						4-23-91	AC
	D) Optical Clarity of Scope						4-23-91	AC
645	Inspect for Live Ammo						4-23-91	AC
655	Final Inspection							
	A) Headspace						5-1-91	D/H
	B) Trigger Pull	2.45	2.42	2.48	2.50	2.52	4/24/91	JD
	C) Function						5-1-91	D/H
660	Pack						6-19-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611787

DATE 4/22/91

TESTER JEP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.38	2.36	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.40	2.40	2.42	
PULL #3	2.35	2.41	2.22	2.48	
PULL #4	2.42	2.41	2.36	2.50	
PULL #5	2.43	2.38	2.36	2.52	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.24		
PULL #2	3.45	3.24		
PULL #3	3.41	3.18		
PULL #4	3.26	3.25		
PULL #5	3.24	3.28		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.25		4.33
PULL #2	4.17	4.25		4.36
PULL #3	4.25	4.23		4.28
PULL #4	4.23	4.22		4.30
PULL #5	4.18	4.24		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611787
23 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.24286
1 TO	2	.403708
1 TO	3	.561393
1 TO	4	.470202
1 TO	5	.162641

25
7

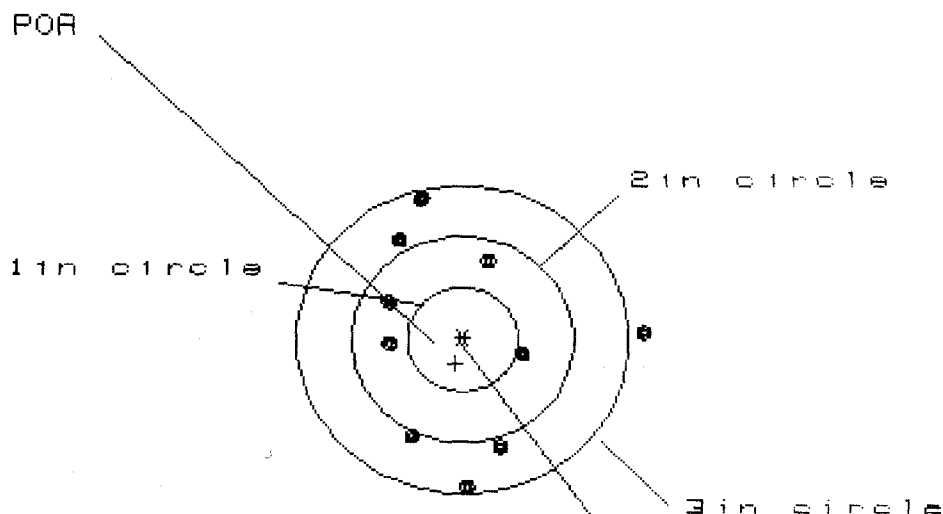
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1662
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .204
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .263102
THE AMR FOR THIS RIFLE IS: .9378

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B117B7

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 9

HS= 2.318

VS= 2.825

GS= 2.851

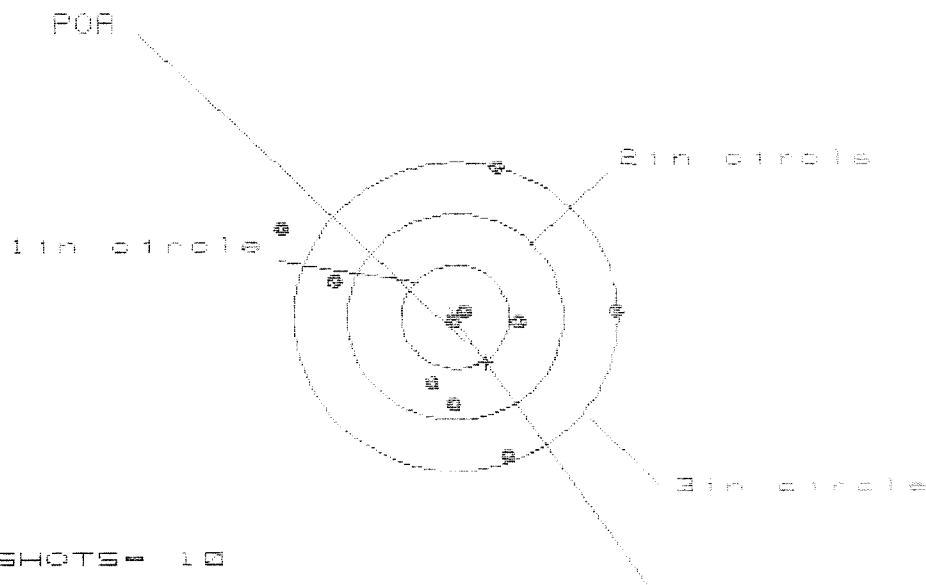
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.624	.720	.696
MINIMUM X	:	-.694	-.513	-.537
MAXIMUM Y	:	1.414	1.418	1.186
MINIMUM Y	:	-1.411	-1.407	-1.229
CENTROID X	:	.065	-.116	-.092
CENTROID Y	:	.234	.230	.052
POA TO CENTROID in.	:	.242	.257	.106
MIN RADIUS	:	.565	.518	.546
MEAN RADIUS	:	1.052	.969	.906
MAX RADIUS	:	1.625	1.431	1.245
HORIZONTAL SPREAD	:	2.318	1.233	1.233
VERTICAL SPREAD	:	2.825	2.825	2.415
EXTREME SPREAD	:	2.851	2.851	2.476
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811787

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 3.055

VS = 2.764

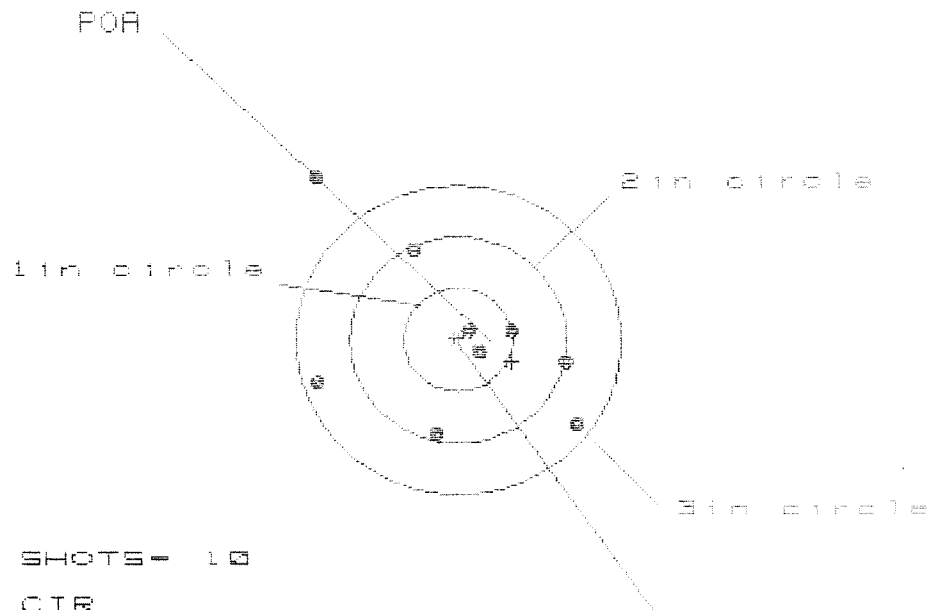
CS = 3.140

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.446	1.268	1.208
MINIMUM X	:	-1.609	-1.282	-1.262
MAXIMUM Y	:	1.446	1.530	.691
MINIMUM Y	:	-1.318	-1.226	-1.034
CENTROID X	:	-.281	-.103	-.123
CENTROID Y	:	.442	.350	.158
POA TO CENTROID in.	:	.524	.385	.201
MIN RADIUS	:	.076	.236	.320
MEAN RADIUS	:	.960	.863	.767
MAX RADIUS	:	1.806	1.546	1.438
HORIZONTAL SPREAD	:	3.055	2.550	2.550
VERTICAL SPREAD	:	2.764	2.764	1.725
EXTREME SPREAD	:	3.140	2.769	2.569
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611787

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

IS= 2.386

VS= 2.444

GS= 3.359

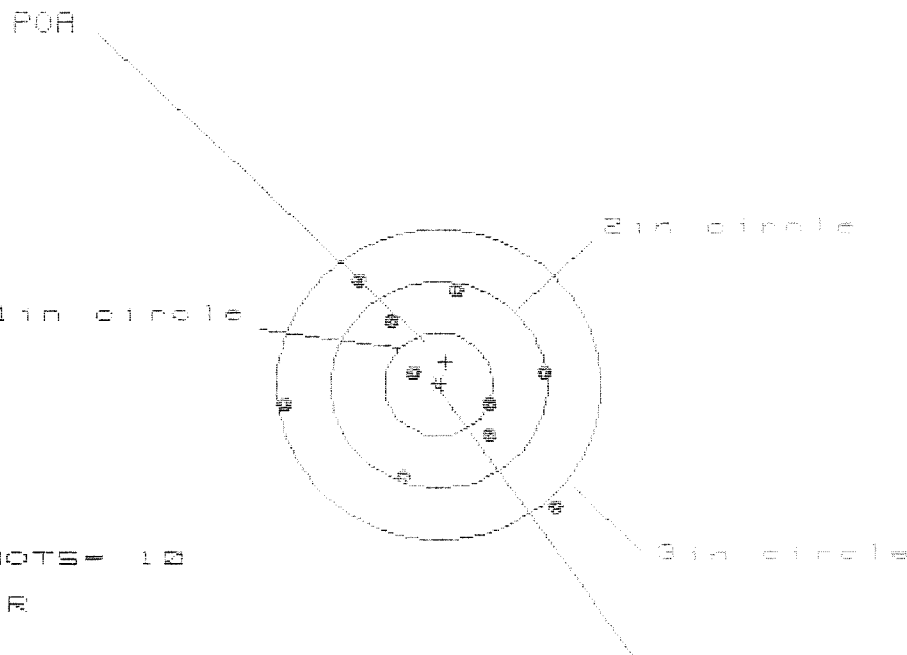
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.110	.968	.938
MINIMUM X	-1.276	-1.411	-1.290
MAXIMUM Y	1.537	1.029	.947
MINIMUM Y	-.987	-.737	-.819
CENTROID X	-.496	-.354	-.475
CENTROID Y	.213	.043	.125
POA TO CENTROID in.	.540	.356	.491
MIN RADIUS	.174	.165	.209
MEAN RADIUS	.875	.763	.664
MAX RADIUS	1.998	1.434	1.333
HORIZONTAL SPREAD	2.386	2.379	2.228
VERTICAL SPREAD	2.444	1.766	1.766
EXTREME SPREAD	3.359	2.413	2.234
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

23 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611787

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 3

HS= 2.535

VS= 2.246

GS= 2.900

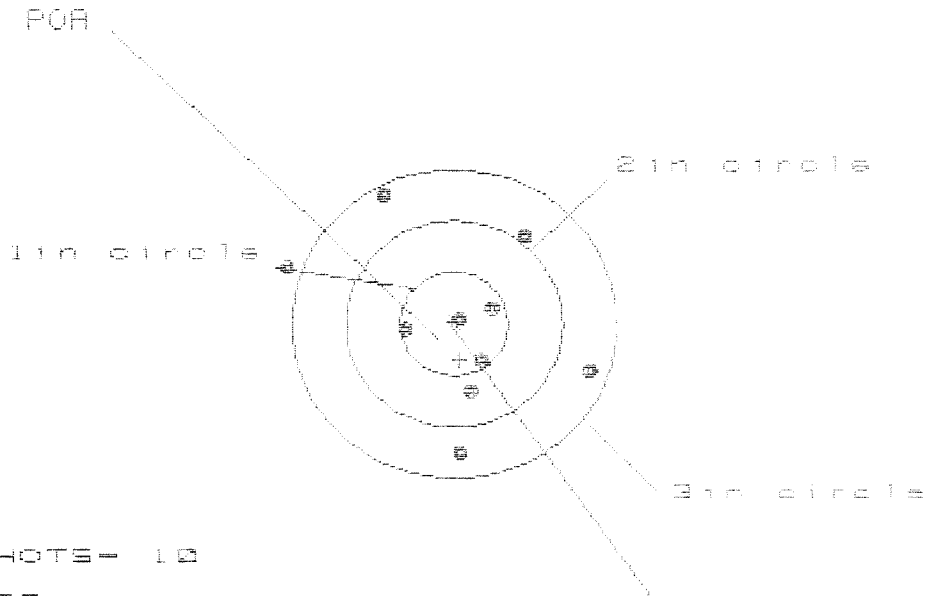
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.110	1.112	.949
MINIMUM X	-1.425	-1.301	-1.776
MAXIMUM Y	1.043	.910	.867
MINIMUM Y	-1.203	-1.005	-1.048
CENTROID X	-.068	-.192	-.029
CENTROID Y	-.217	-.084	-.041
POA TO CENTROID in.	.228	.209	.050
MIN RADIUS	.281	.118	.282
MEAN RADIUS	.947	.851	.785
MAX RADIUS	1.637	1.345	1.164
HORIZONTAL SPREAD	2.535	2.413	1.725
VERTICAL SPREAD	2.246	1.915	1.915
EXTREME SPREAD	2.900	2.440	1.959
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	3		

23 Apr 1981

FILE:/PATTERNING/CENTERFIRE_PATT/CBB11787

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 5

3 in = 9

HS= 2.779

VS= 2.471

GS= 2.970

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.211	1.036	.909
MINIMUM X	:	-1.568	-.778	-.677
MAXIMUM Y	:	1.242	1.307	1.031
MINIMUM Y	:	-1.229	-1.164	-1.001
CENTROID X	:	-.051	.124	.221
CENTROID Y	:	.348	.283	.120
POA TO CENTROID in.	:	.382	.389	.251
MIN RADIUS	:	.813	.785	.753
MEAN RADIUS	:	.855	.753	.648
MAX RADIUS	:	1.674	1.521	1.087
HORIZONTAL SPREAD	:	2.779	1.814	1.616
VERTICAL SPREAD	:	2.471	2.471	2.032
EXTREME SPREAD	:	2.970	2.546	2.120
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		