

C6225335

MODEL 700™ M24

Model **SWS**™

Action _____

Barrel Length _____

Capacity _____

Order No. **5716**

* Includes 1 in chamber.

Remington

Smead®

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: **RE00052520** Serial: C6225335 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 9/19/02 6:49:59 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: MATERIAL MOVEMENT SECTION MATERIAL MOVEMENT SECTION

Address 1: BLDG 9630 BLDG 9630

Address 2: PO Box: PO Box:

City: FORT LEWIS FORT LEWIS

State: WA Zip Code: 98433 Country: US State: WA Zip Code: 98433 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Poor

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
X	FRT & REAR SGT BA	1

Repair Search Refresh Close

9/19/02 7:15 AM CAPS NUM INS SCRL

Start Inbox - Microsoft Outlook Arms Services Repair... 7:15 AM

Serial Number: **C6225335**

Model: **700**



RE00052520

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225335.__0
FILE DATE AND TIME: 10/15/2002 14:08

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.089
The Average Y Centroid of the Five Target Set:	-0.041
The Average Point of Impact of the Five Target Set:	0.098
The Average Mean Radius of the Five Target Set:	0.571
The Distance from POA to Centroid Target #1:	0.182
The Distance from Centroid Target #2 to Centroid Target #1:	0.046
The Distance from Centroid Target #3 to Centroid Target #1:	0.083
The Distance from Centroid Target #4 to Centroid Target #1:	0.328
The Distance from Centroid Target #5 to Centroid Target #1:	0.207

SERIAL NUMBER: C6225335.___0

TARGET NUMBER: 1

FILE DATE: 10/15/2002

FILE TIME: 14:08

POINT#	X	Y
1:	0.612	-0.751
2:	-0.073	-0.533
3:	-0.507	-0.299
4:	-0.607	-0.019
5:	-1.138	-0.506
6:	-1.267	0.074
7:	0.586	0.146
8:	0.240	0.326
9:	0.442	0.908
10:	-0.085	0.920

X CENTROID: -0.180

Y CENTROID: 0.027

POA TO CENTROID: 0.182

HORZ SPREAD: 1.879

VERT SPREAD: 1.671

GROUP SPREAD: 2.052

MIN RADIUS: 0.430

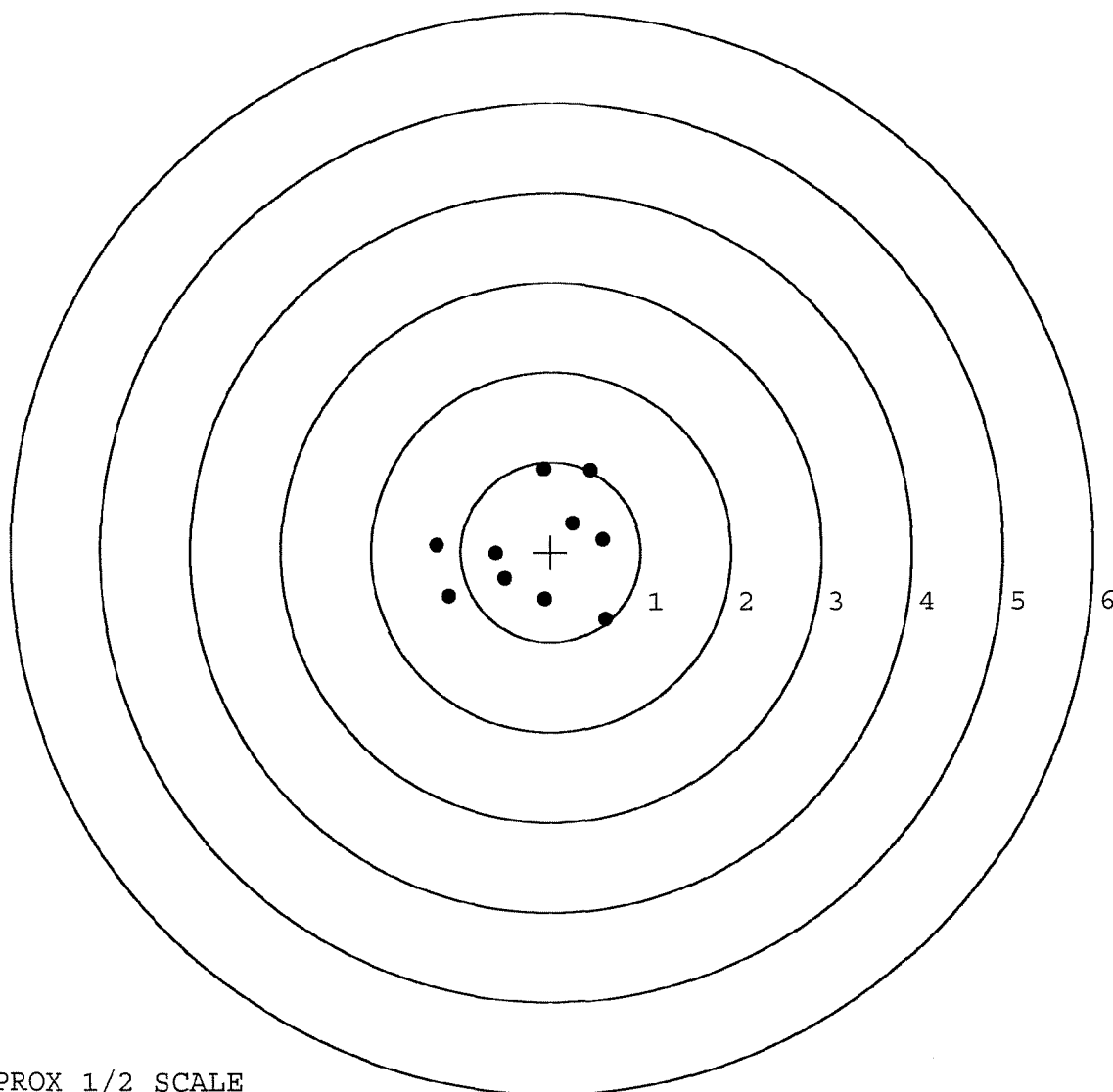
MAX RADIUS: 1.110

MEAN RADIUS: 0.802

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

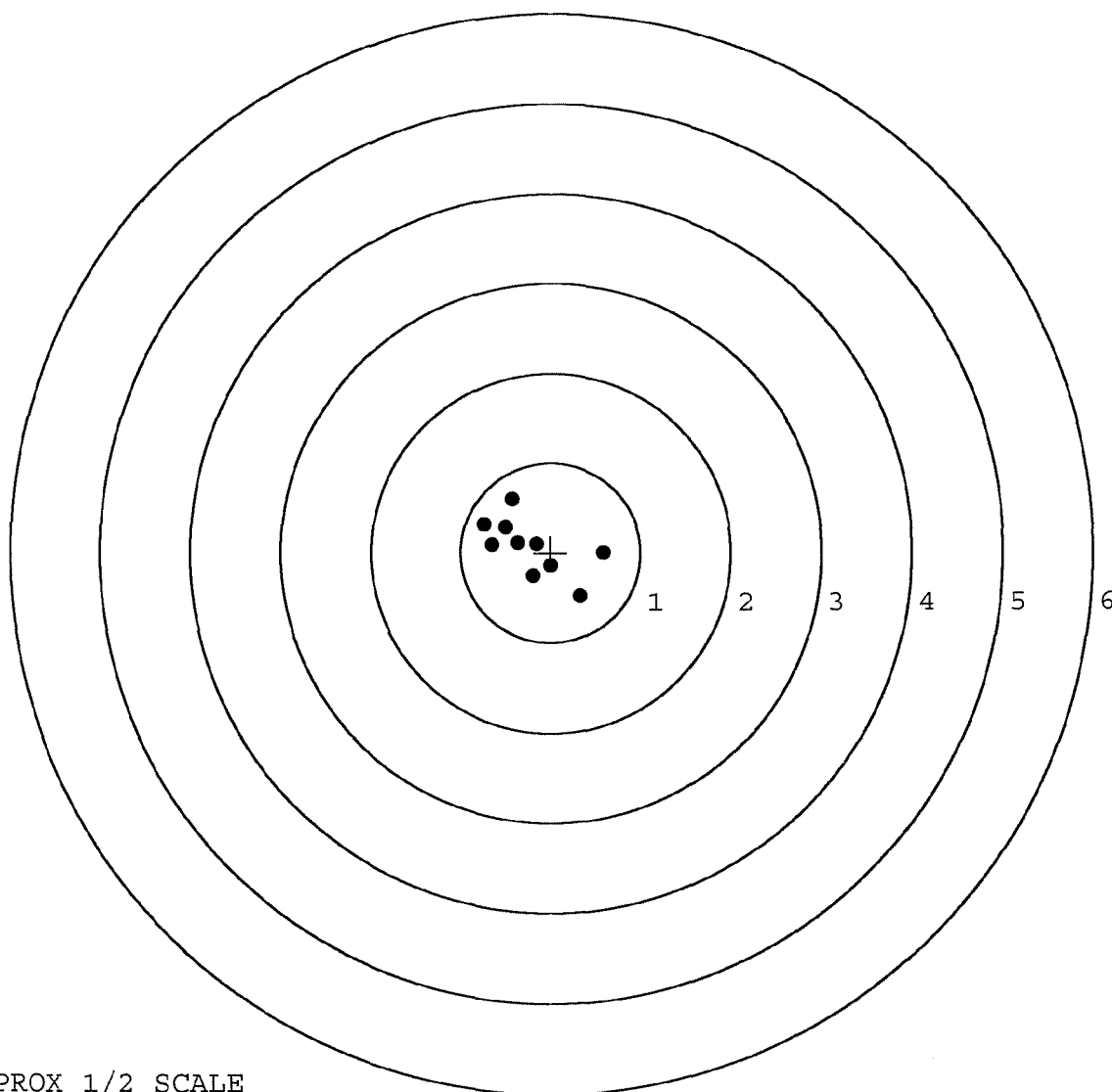


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225335. __0
TARGET NUMBER: 2
FILE DATE: 10/15/2002
FILE TIME: 14:08

X CENTROID: -0.212
Y CENTROID: 0.060
POA TO CENTROID: 0.220
HORZ SPREAD: 1.327
VERT SPREAD: 1.090
GROUP SPREAD: 1.364
MIN RADIUS: 0.067
MAX RADIUS: 0.801
MEAN RADIUS: 0.439
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.328	-0.492
2:	0.587	0.000
3:	-0.433	0.598
4:	-0.740	0.317
5:	-0.494	0.286
6:	-0.649	0.093
7:	-0.364	0.112
8:	-0.157	0.099
9:	-0.196	-0.263
10:	0.002	-0.147

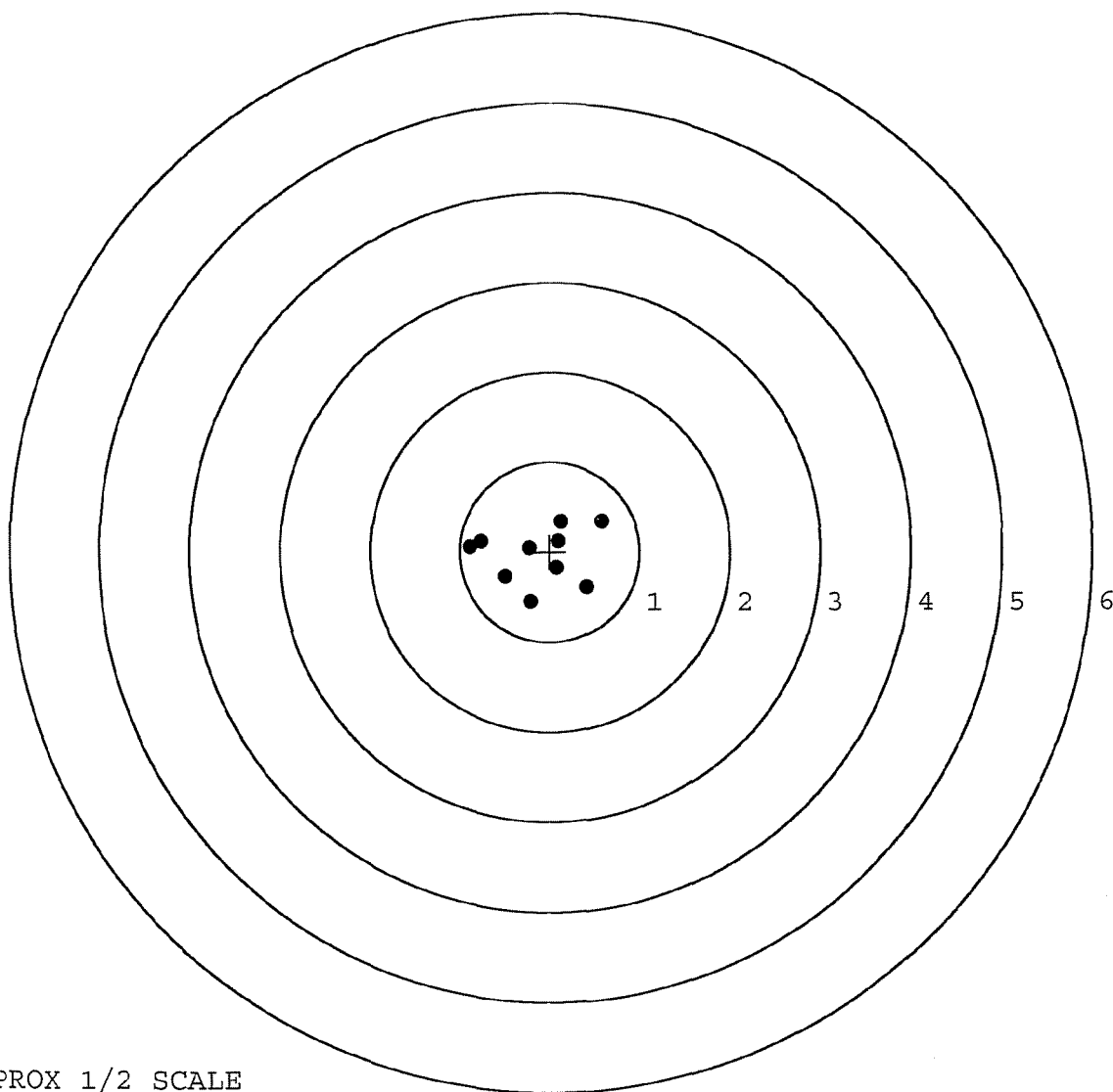


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225335.___0
TARGET NUMBER: 3
FILE DATE: 10/15/2002
FILE TIME: 14:08

X CENTROID: -0.131
Y CENTROID: -0.040
POA TO CENTROID: 0.137
HORZ SPREAD: 1.468
VERT SPREAD: 0.901
GROUP SPREAD: 1.498
MIN RADIUS: 0.126
MAX RADIUS: 0.806
MEAN RADIUS: 0.494
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.578	0.344
2:	0.126	0.338
3:	0.414	-0.387
4:	-0.220	-0.557
5:	-0.500	-0.275
6:	-0.890	0.048
7:	-0.762	0.112
8:	-0.228	0.041
9:	0.077	-0.184
10:	0.096	0.120



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225335. __0

TARGET NUMBER: 4

FILE DATE: 10/15/2002

FILE TIME: 14:08

POINT#	X	Y
1:	0.810	-0.270
2:	0.609	-0.227
3:	0.235	-0.554
4:	-0.038	-0.568
5:	-0.458	-0.289
6:	-0.026	0.340
7:	-0.301	0.584
8:	-0.065	0.029
9:	0.031	-0.166
10:	0.097	-0.483

X CENTROID: 0.089

Y CENTROID: -0.160

POA TO CENTROID: 0.184

HORZ SPREAD: 1.268

VERT SPREAD: 1.152

GROUP SPREAD: 1.401

MIN RADIUS: 0.059

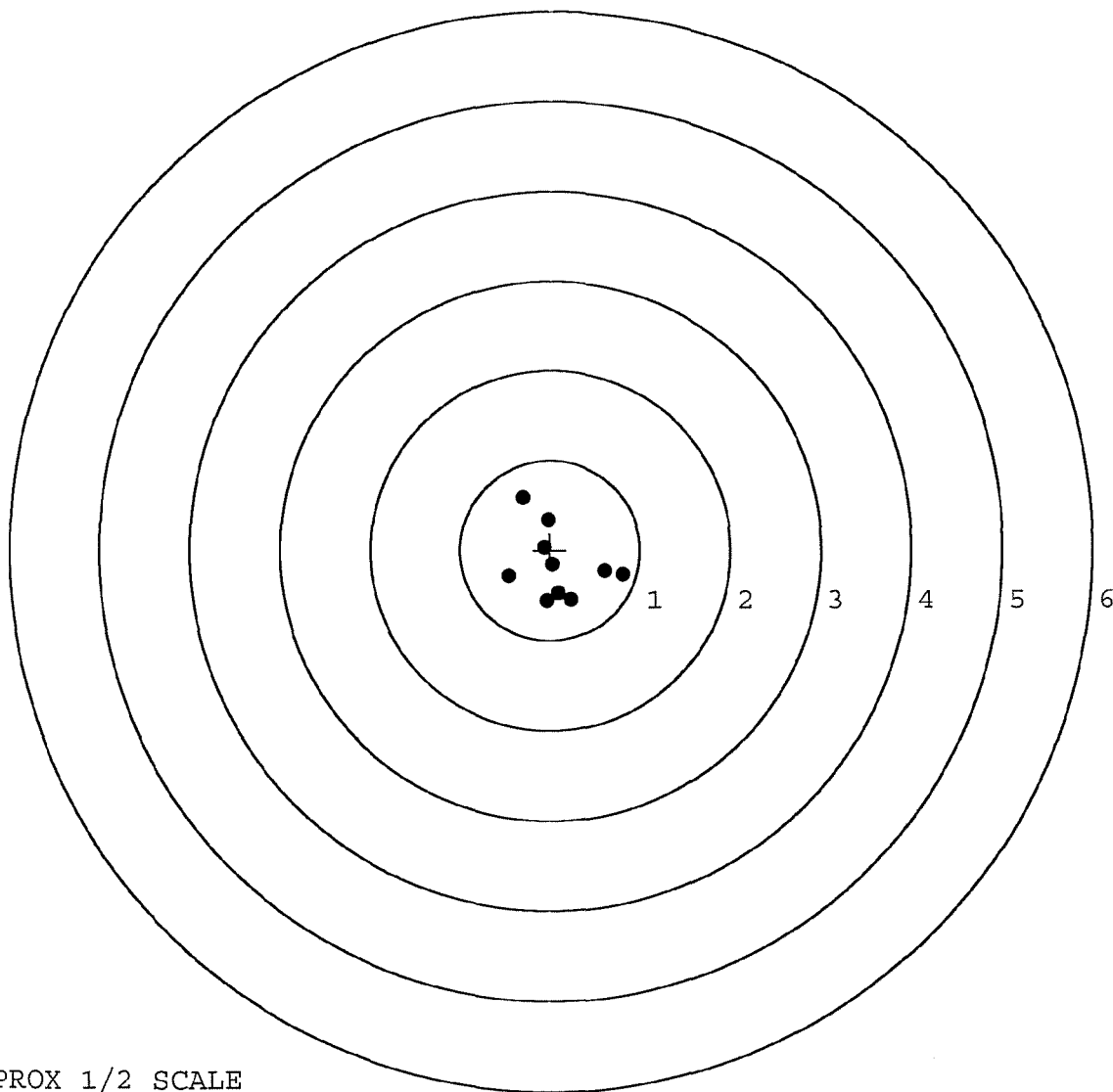
MAX RADIUS: 0.841

MEAN RADIUS: 0.464

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225335. __0

TARGET NUMBER: 5

FILE DATE: 10/15/2002

FILE TIME: 14:08

POINT#	X	Y
1:	0.672	-0.839
2:	0.119	-0.465
3:	-0.730	-0.105
4:	-1.029	-0.544
5:	0.755	-0.095
6:	0.565	0.148
7:	0.296	-0.002
8:	0.084	0.315
9:	-0.269	0.333
10:	-0.572	0.316

X CENTROID: -0.011

Y CENTROID: -0.094

POA TO CENTROID: 0.094

HORZ SPREAD: 1.784

VERT SPREAD: 1.172

GROUP SPREAD: 1.840

MIN RADIUS: 0.320

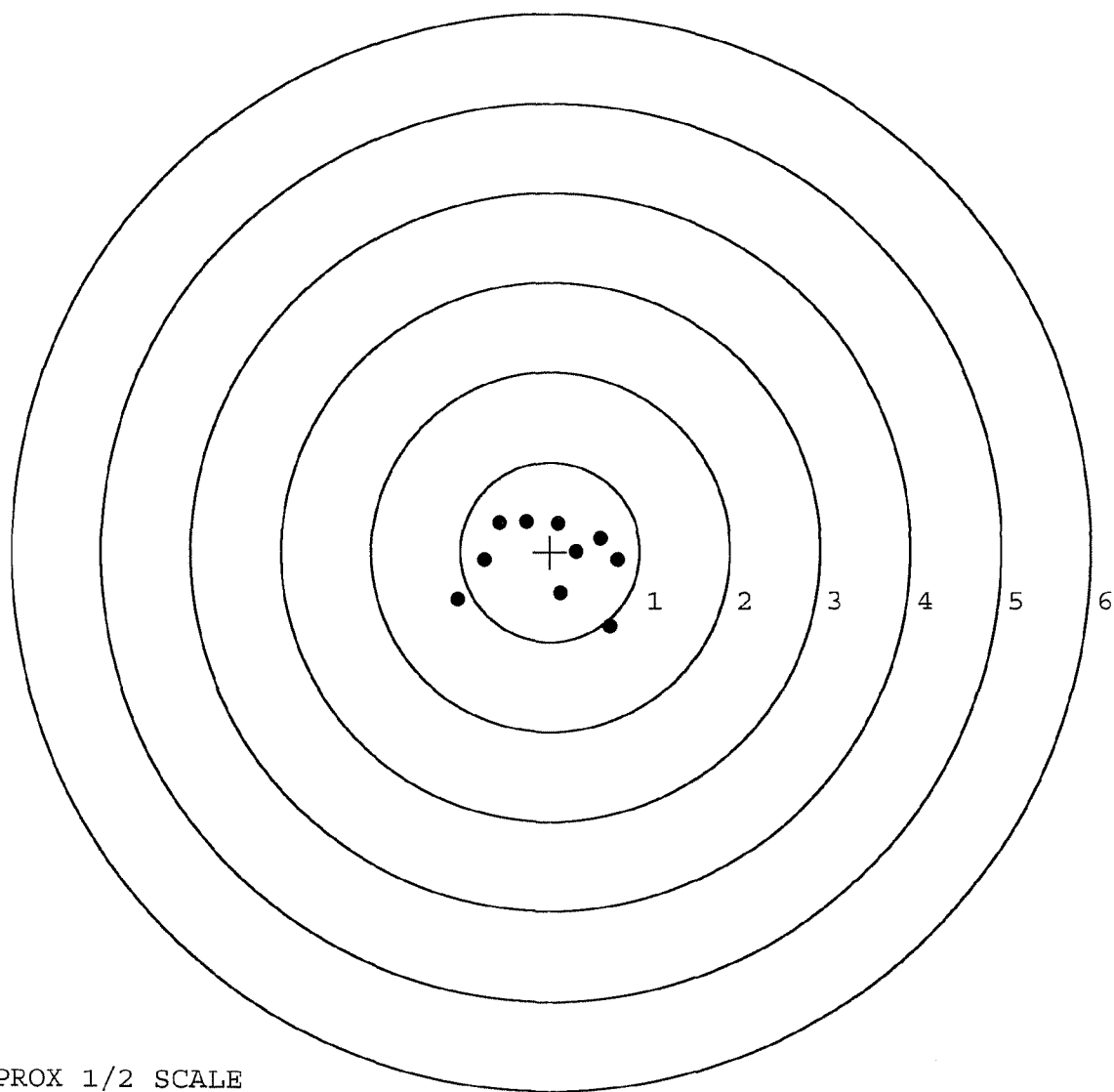
MAX RADIUS: 1.113

MEAN RADIUS: 0.656

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Final Inspection

In: C6225335

DATE REC'D: 9/18/02

DATE RET'D:

EDITOR: RW

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	52520		
SERIAL NUMBER	C6225335		
LOG-IN DATE	9/18/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9/20/02	RL
560 A	RE-BARREL	9/20/02	DA
B	DRILL AND TAP	9-21-02	AC
575	ASSEMBLE	9/24/02	RL
600	PROOF	9-25-02	AC
605	CHECK HEADSPACE	9-25-02	AC
610	DIS-ASSEMBLE GUN	9/24/02	RL
612	MAGNAFLUX	9/27/02	TW
615	ROLLMARK CALIBER	9/30/02	NO
618	ROTO-BLAST	10-5	TA
620	APPLY COATINGS	10/9/02	RW
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-14-02	AC
655	FINAL INSPECT	10-14-02	RW
660	PACK	10-15-02	DA
		SHIP DATE	
	QAR INSPECTION DATE		

Remington®

MODEL 700™ H24

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

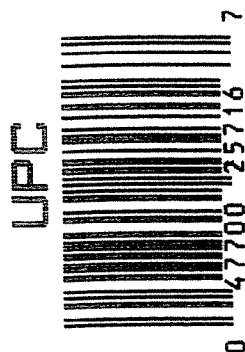
DUPONT
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6225335

ORDER NO.
5716

Ø1

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225335

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	1 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt	Repeated on (cracked handle end)	4/14/89	KCR
615	Rollmark Caliber		4/14/89	J.S.
617	Drill and Tap Sight Holes	4 14	89	FB.
618	Polish Barrel RB	4 14	89	BT.
620	Apply Coatings (Barrel Action)		4-20-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/89	RW
	C) Inspect Ejector Hole for Chamfer		5/1/89	RW
	D) Oil Firing Pin Ass'y		5/1/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/3/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/8/89	JU
	G) Safety Off Force	3	3	3			5/8/89	JU
	H) Trigger Pull Test & Retainability						5/5/89	WVB
	I) Firing Pin Indent	.020	.0205	.021			5/8/89	JU
	J) Assemble Stock						5/8/89	RW
	K) Assemble Swivel Studs						16 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/8/89	RW
	M) Iron Sight Alignment						5/8/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/8/89	RW
	O) Attach Scope to Rifle						5/8/89	JU
	P) Detach & Attach Scope 20 Times						5/8/89	JU
640	Gallery Target & Test	75 R	79 L				5/9/89	K
	A) Time						5/9/89	K
	B) Malfunctions						5/9/89	K
	C) Pierced Primers						5/9/89	K
	D) Optical Clarity of Scope						5/9/89	K
645	Inspect for Live Ammo						5/9/89	K
655	Final Inspection							
	A) Headspace						16 May 89	JS
	B) Trigger Pull	2.18	2.28	2.35	2.32	2.42	16 May 89	JS
	C) Function						16 May 89	JS
660	Pack						27 June 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6725335

DATE 5/5/89

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.40	2.28	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.31	2.16	2.28	
PULL #3	2.28	2.34	2.14	2.35	
PULL #4	2.24	2.19	2.18	2.32	
PULL #5	2.24	2.30	2.19	2.42	
TOTAL	11.23	11.54	10.95	11.55	
AVG.	2.24	2.31	2.19	2.31	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.34		
PULL #2	3.21	3.34		
PULL #3	3.31	3.22		
PULL #4	3.48	3.33		
PULL #5	3.53	3.40		
TOTAL	16.83	16.63		
AVG.	3.37	3.32		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.07		4.18
PULL #2	4.32	4.19		4.15
PULL #3	4.27	4.20		4.28
PULL #4	4.08	4.28		4.23
PULL #5	4.19	4.01		4.22
TOTAL	21.25	20.95		21.06
AVG.	4.25	4.15		4.21

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225335
10 May 1989

CENTROIDAL DISTANCES

0 TO	1	.383565
1 TO	2	.251754
1 TO	3	.842465
1 TO	4	1.00033
1 TO	5	.972944

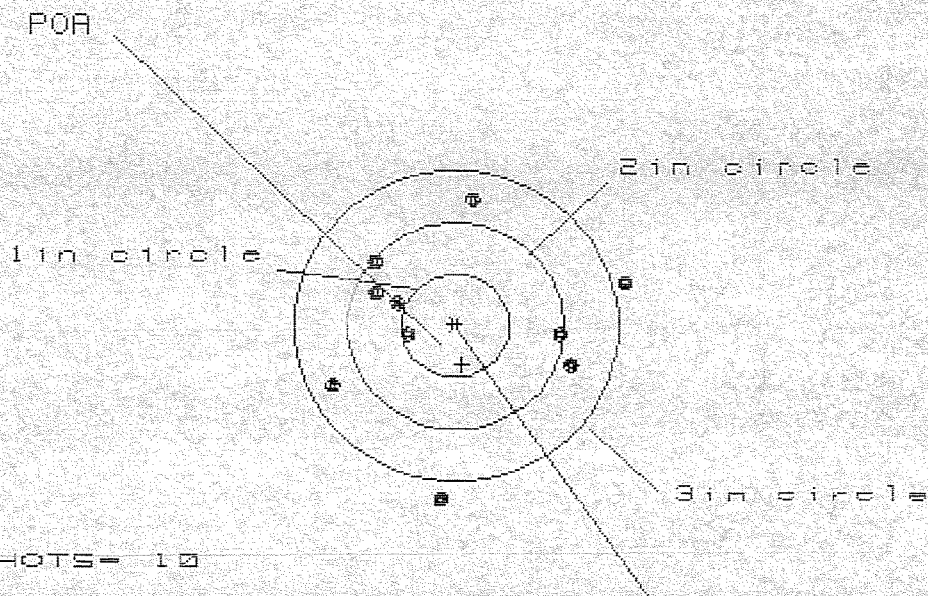
12
+
5 4 3 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0944
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.125
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .156641
THE AMR FOR THIS RIFLE IS: .8174

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225335

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.650

VS= 2.870

GS= 2.881

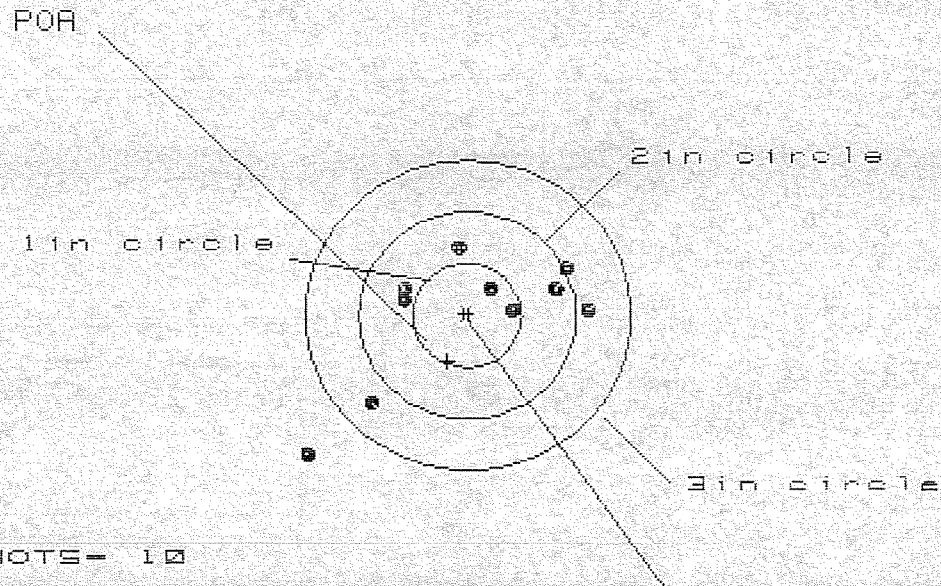
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.517	1.505	1.189
MINIMUM X	:	-1.133	-1.145	-.957
MAXIMUM Y	:	1.191	1.005	1.036
MINIMUM Y	:	-1.679	-.785	-.754
CENTROID X	:	-.059	-.047	-.235
CENTROID Y	:	.379	.565	.534
POA TO CENTROID in.	:	.383	.567	.584
MIN RADIUS	:	.450	.512	.330
MEAN RADIUS	:	1.053	.966	.841
MAX RADIUS	:	1.682	1.524	1.288
HORIZONTAL SPREAD	:	2.650	2.650	2.146
VERTICAL SPREAD	:	2.870	1.790	1.790
EXTREME SPREAD	:	2.881	2.843	2.194
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225335

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.614

VS= 2.038

GS= 2.979

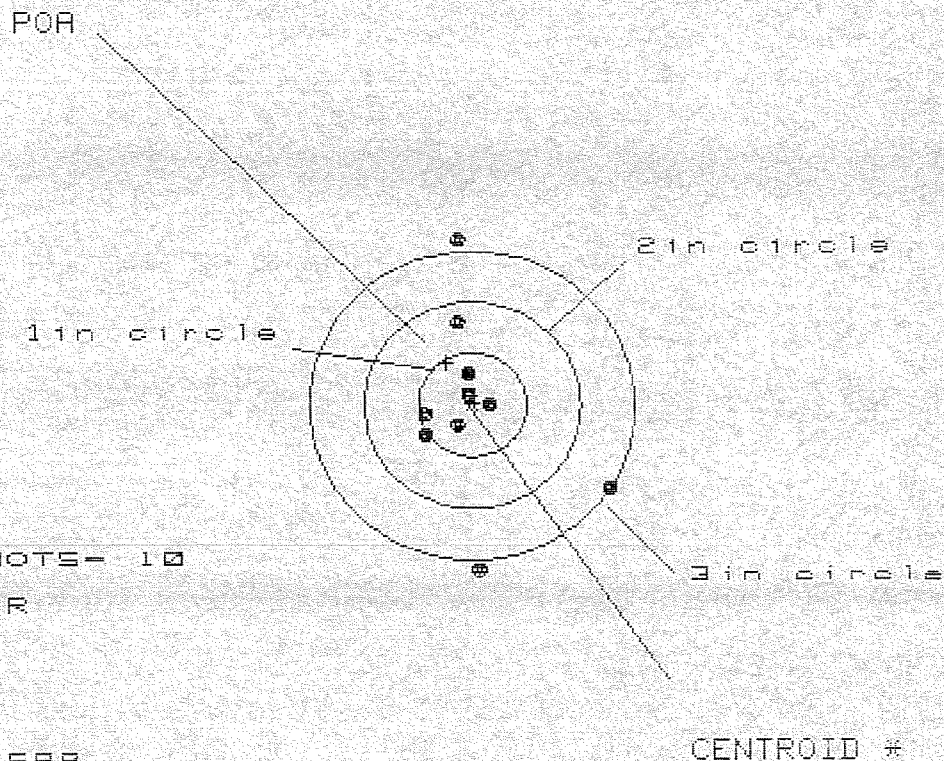
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.159	.997	.866
MINIMUM X	:	-1.455	-1.050	-.873
MAXIMUM Y	:	.694	.544	.415
MINIMUM Y	:	-1.344	-1.036	-.245
CENTROID X	:	.185	.347	.478
CENTROID Y	:	.441	.591	.720
POA TO CENTROID in.	:	.479	.685	.864
MIN RADIUS	:	.387	.171	.051
MEAN RADIUS	:	.906	.727	.592
MAX RADIUS	:	1.981	1.475	.900
HORIZONTAL SPREAD	:	2.614	2.047	1.739
VERTICAL SPREAD	:	2.038	1.580	.660
EXTREME SPREAD	:	2.979	2.250	1.747
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225335

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 6

2 in = 7

3 in = 8

HS= 1.688

VS= 3.244

GS= 3.249

CENTROID #

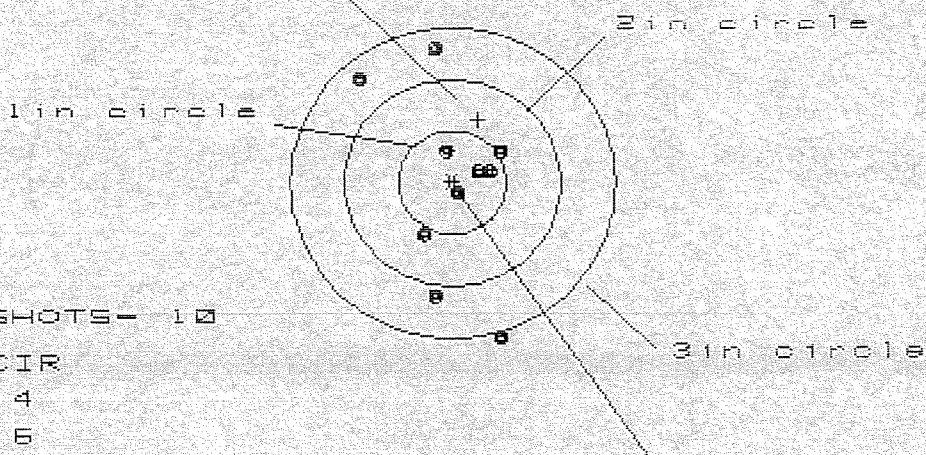
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.226	1.228	1.207
MINIMUM X	:	-.462	-.460	-.481
MAXIMUM Y	:	1.618	1.437	.851
MINIMUM Y	:	-1.626	-.935	-.755
CENTROID X	:	.239	.237	.258
CENTROID Y	:	-.409	-.228	-.408
POR TO CENTROID in.	:	.473	.329	.482
MIN RADIUS	:	.123	.061	.125
MEAN RADIUS	:	.730	.620	.508
MAX RADIUS	:	1.626	1.543	1.424
HORIZONTAL SPREAD	:	1.688	1.688	1.688
VERTICAL SPREAD	:	3.244	2.372	1.606
EXTREME SPREAD	:	3.249	2.751	2.123
NUMBER IN ONE INCH CIRCLE =			6	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			8	

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225335

CENTERFIRE PATTERNS # 4

POA



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS = 1.339

VS = 2.828

GS = 2.887

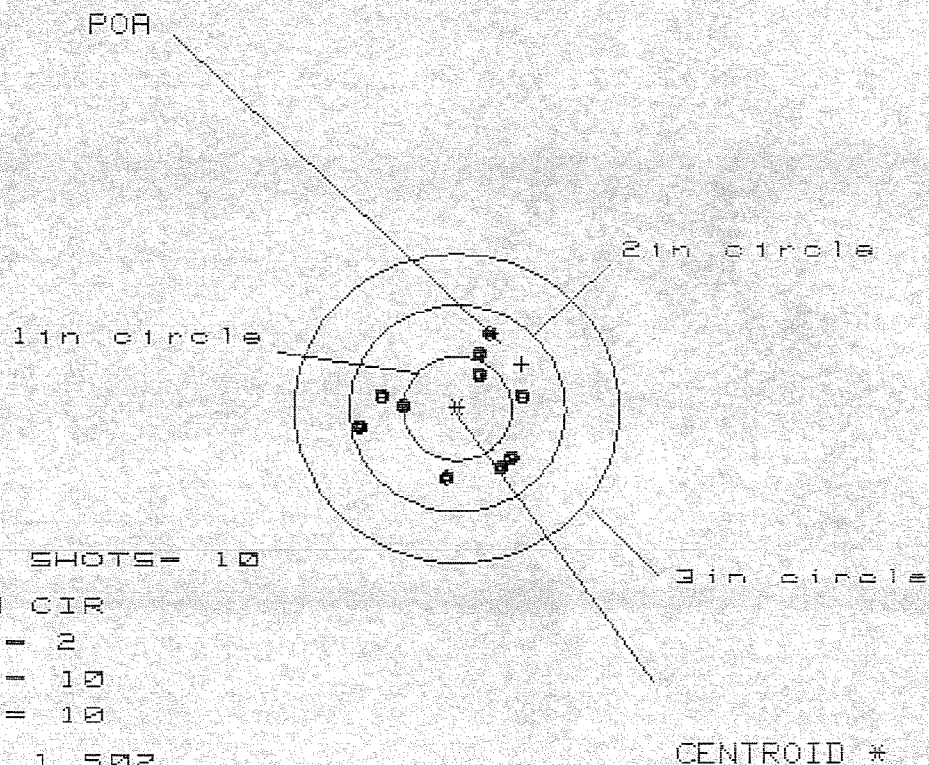
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.455	.502	.397
MINIMUM X	:	-.884	-.837	-.324
MAXIMUM Y	:	1.324	1.157	1.266
MINIMUM Y	:	-1.504	-1.244	-1.135
CENTROID X	:	-.239	-.286	-.181
CENTROID Y	:	-.605	-.438	-.547
POA TO CENTROID in.	:	.651	.523	.576
MIN RADIUS	:	.047	.147	.120
MEAN RADIUS	:	.746	.659	.554
MAX RADIUS	:	1.561	1.246	1.285
HORIZONTAL SPREAD	:	1.339	1.339	.721
VERTICAL SPREAD	:	2.828	2.401	2.401
EXTREME SPREAD	:	2.887	2.401	2.401
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

10 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225335

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 10

3in = 10

HS= 1.502

VS= 1.335

GS= 1.531

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.605	.505	.533
MINIMUM X	:	-.897	-.799	-.770
MAXIMUM Y	:	.698	.681	.572
MINIMUM Y	:	-.637	-.654	-.569
CENTROID X	:	-.598	-.498	-.526
CENTROID Y	:	-.431	-.414	-.499
POA TO CENTROID in.	:	.737	.648	.725
MIN RADIUS	:	.358	.312	.400
MEAN RADIUS	:	.652	.612	.600
MAX RADIUS	:	.910	.815	.809
HORIZONTAL SPREAD	:	1.502	1.304	1.304
VERTICAL SPREAD	:	1.335	1.335	1.141
EXTREME SPREAD	:	1.531	1.416	1.388
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			10	
NUMBER IN THREE INCH CIRCLE =			10	