

C6587570

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*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: **RE00096718** Serial: C6587570 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 5/6/2005 12:48:17 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☒ Received From

Name: **DEPT OF THE ARMY** **DEPT OF THE ARMY**

Address 1: **C1/3 SFG BLDG** **C1/3 SFG BLDG**

Address 2: **1646 KUWAIT ST** **1646 KUWAIT ST** PO Box:

City: **FT BRAGG** **FT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone: **910 432-1928**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	2

Repair Search **Refresh** **Close**

hagletj 5/6/2005 2:05 PM CAPS NUM IIS SCFL

start 2 3 Arms Services 3

Serial Number: **C6587570**

Model: **M24 SWS**



RE00096718

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587570.___0
FILE DATE AND TIME: 05/26/2005 06:07

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

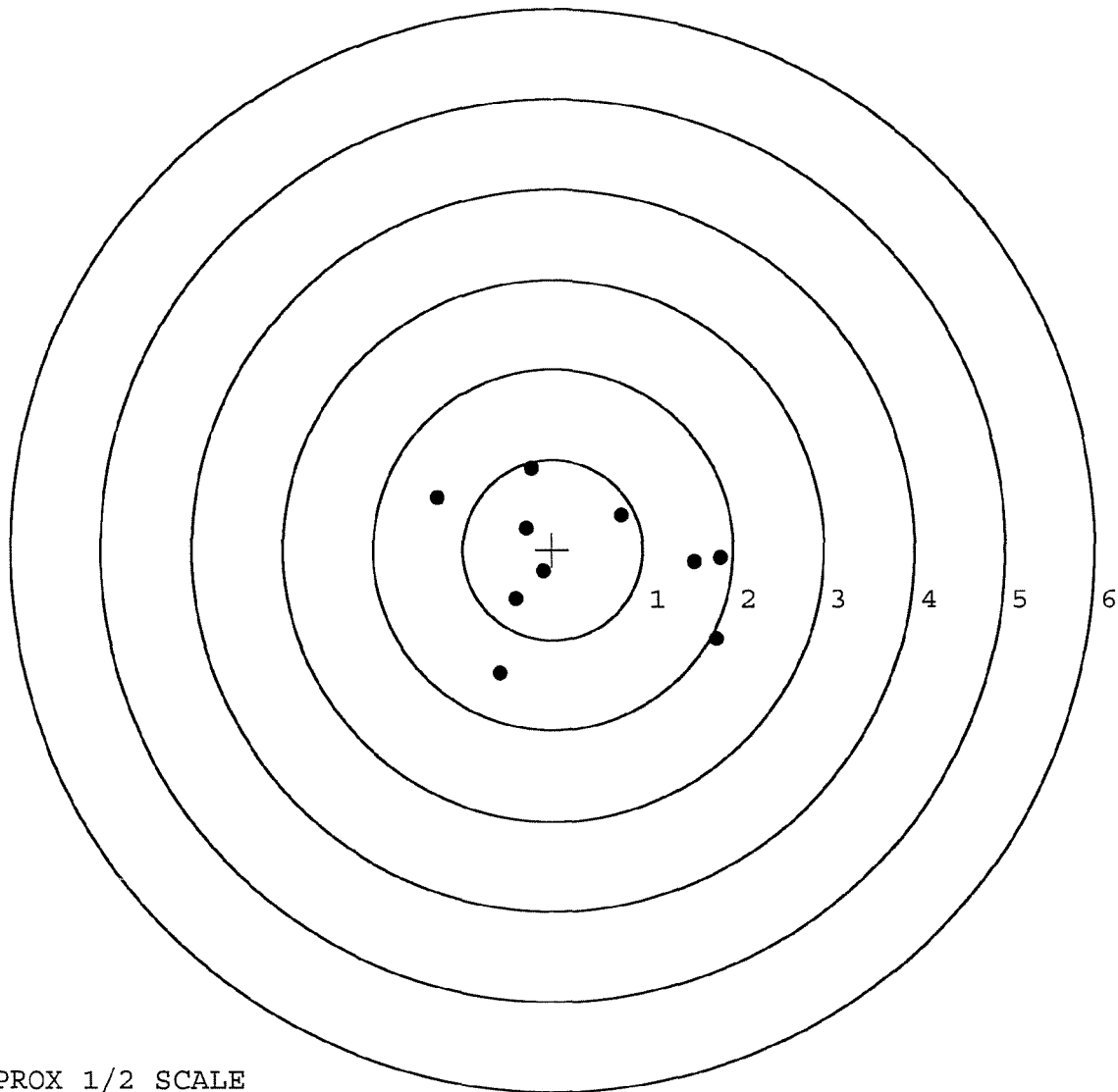
The Average X Centroid of the Five Target Set:	-0.095
The Average Y Centroid of the Five Target Set:	0.080
The Average Point of Impact of the Five Target Set:	0.124
The Average Mean Radius of the Five Target Set:	1.033
The Distance from POA to Centroid Target #1:	0.336
The Distance from Centroid Target #2 to Centroid Target #1:	0.516
The Distance from Centroid Target #3 to Centroid Target #1:	0.944
The Distance from Centroid Target #4 to Centroid Target #1:	0.180
The Distance from Centroid Target #5 to Centroid Target #1:	0.978

BARBER - M24 0022919

SERIAL NUMBER: C6587570. __0
 TARGET NUMBER: 1
 FILE DATE: 05/26/2005
 FILE TIME: 06:07

POINT#	X	Y
1:	1.813	-0.998
2:	1.859	-0.095
3:	1.571	-0.139
4:	0.766	0.385
5:	-0.235	0.905
6:	-0.297	0.236
7:	-0.106	-0.243
8:	-0.407	-0.551
9:	-0.586	-1.377
10:	-1.280	0.580

X CENTROID: 0.310
 Y CENTROID: -0.130
 POA TO CENTROID: 0.336
 HORZ SPREAD: 3.139
 VERT SPREAD: 2.282
 GROUP SPREAD: 3.472
 MIN RADIUS: 0.431
 MAX RADIUS: 1.741
 MEAN RADIUS: 1.165
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 6



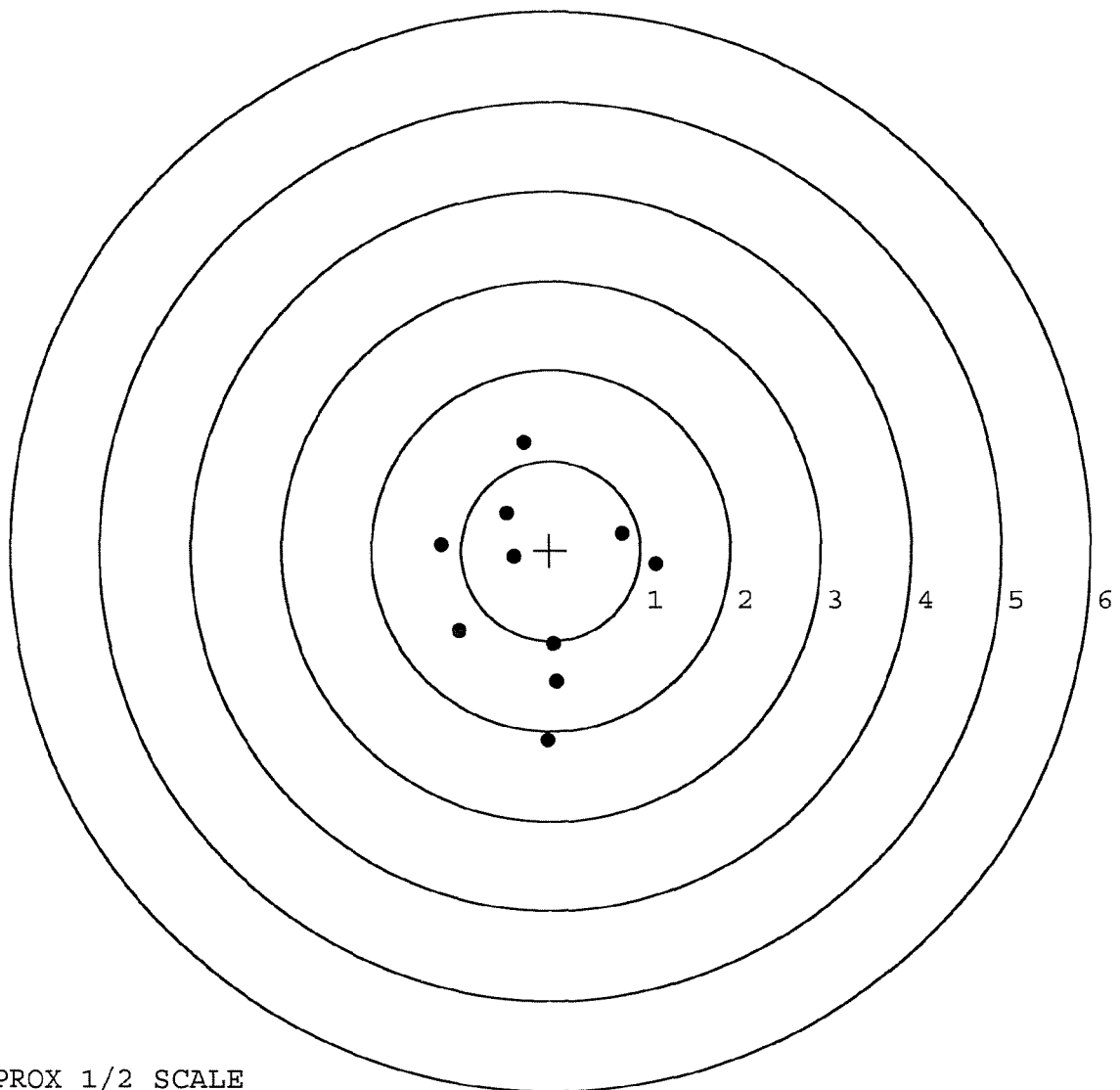
TARGET APPROX 1/2 SCALE

BARBER - M24 0022920

SERIAL NUMBER: C6587570. __0
 TARGET NUMBER: 2
 FILE DATE: 05/26/2005
 FILE TIME: 06:07

POINT#	X	Y
1:	1.175	-0.155
2:	0.799	0.188
3:	-0.405	-0.080
4:	-0.489	0.419
5:	-1.216	0.057
6:	-0.294	1.201
7:	-1.024	-0.902
8:	0.036	-1.042
9:	0.079	-1.462
10:	-0.031	-2.108

X CENTROID: -0.137
 Y CENTROID: -0.388
 POA TO CENTROID: 0.412
 HORZ SPREAD: 2.391
 VERT SPREAD: 3.309
 GROUP SPREAD: 3.319
 MIN RADIUS: 0.409
 MAX RADIUS: 1.723
 MEAN RADIUS: 1.100
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 3
 # in 3 IN DIAMETER: 8



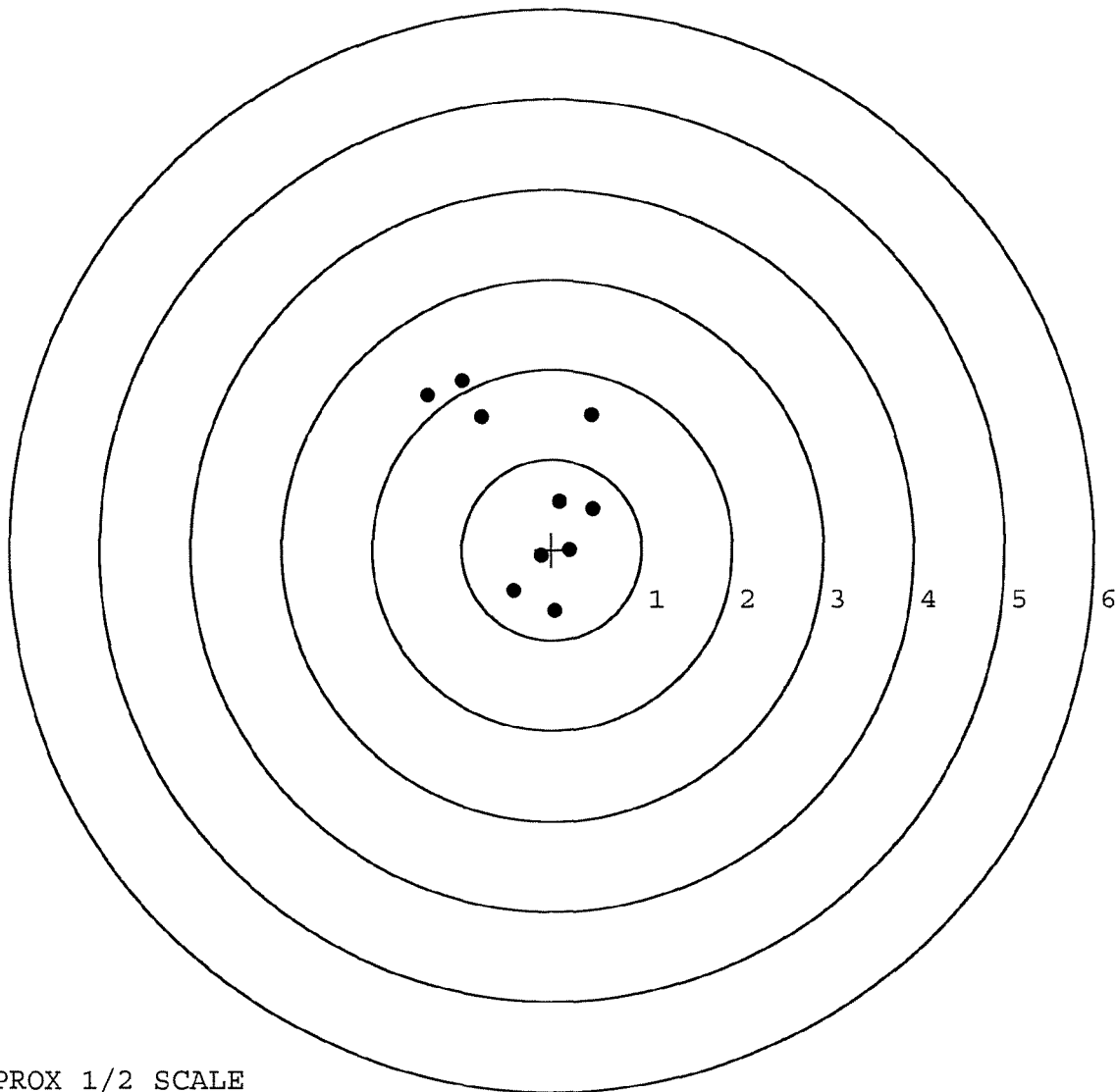
TARGET APPROX 1/2 SCALE

BARBER - M24 0022921

SERIAL NUMBER: C6587570. __0
 TARGET NUMBER: 3
 FILE DATE: 05/26/2005
 FILE TIME: 06:07

POINT#	X	Y
1:	0.037	-0.685
2:	-0.423	-0.457
3:	-0.116	-0.068
4:	0.201	-0.005
5:	0.458	0.458
6:	0.088	0.529
7:	0.444	1.497
8:	-0.782	1.473
9:	-0.998	1.867
10:	-1.383	1.712

X CENTROID: -0.247
 Y CENTROID: 0.632
 POA TO CENTROID: 0.679
 HORZ SPREAD: 1.841
 VERT SPREAD: 2.552
 GROUP SPREAD: 2.786
 MIN RADIUS: 0.351
 MAX RADIUS: 1.567
 MEAN RADIUS: 1.014
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0022922

SERIAL NUMBER: C6587570. __0

TARGET NUMBER: 4

FILE DATE: 05/26/2005

FILE TIME: 06:07

POINT#	X	Y
1:	0.691	-0.950
2:	0.274	-1.318
3:	0.461	-0.315
4:	0.219	-0.494
5:	0.147	-0.233
6:	-0.092	0.161
7:	-0.578	-0.500
8:	0.345	0.603
9:	0.680	1.366
10:	-0.762	0.942

X CENTROID: 0.139

Y CENTROID: -0.074

POA TO CENTROID: 0.157

HORZ SPREAD: 1.453

VERT SPREAD: 2.684

GROUP SPREAD: 2.715

MIN RADIUS: 0.159

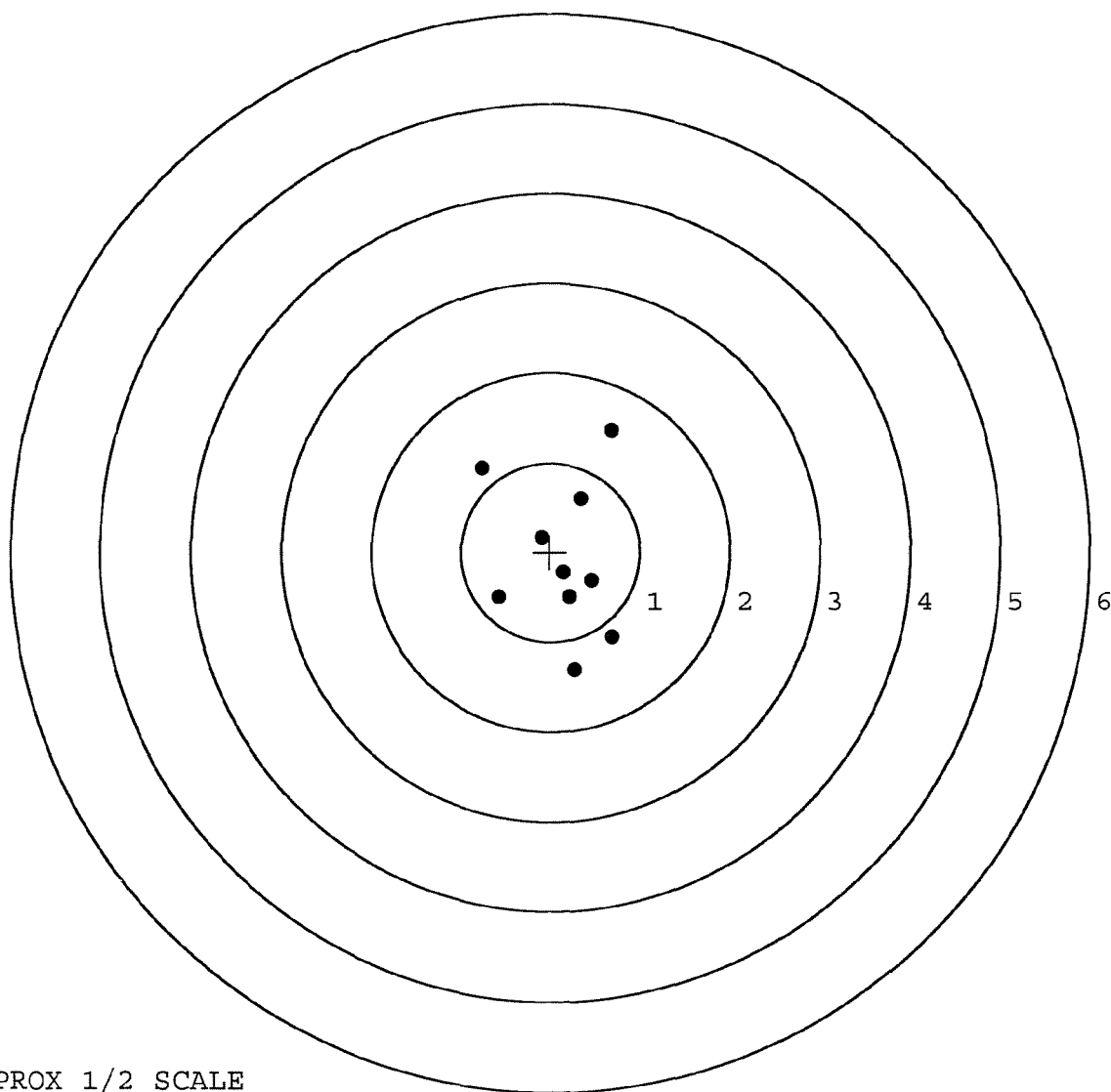
MAX RADIUS: 1.538

MEAN RADIUS: 0.804

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



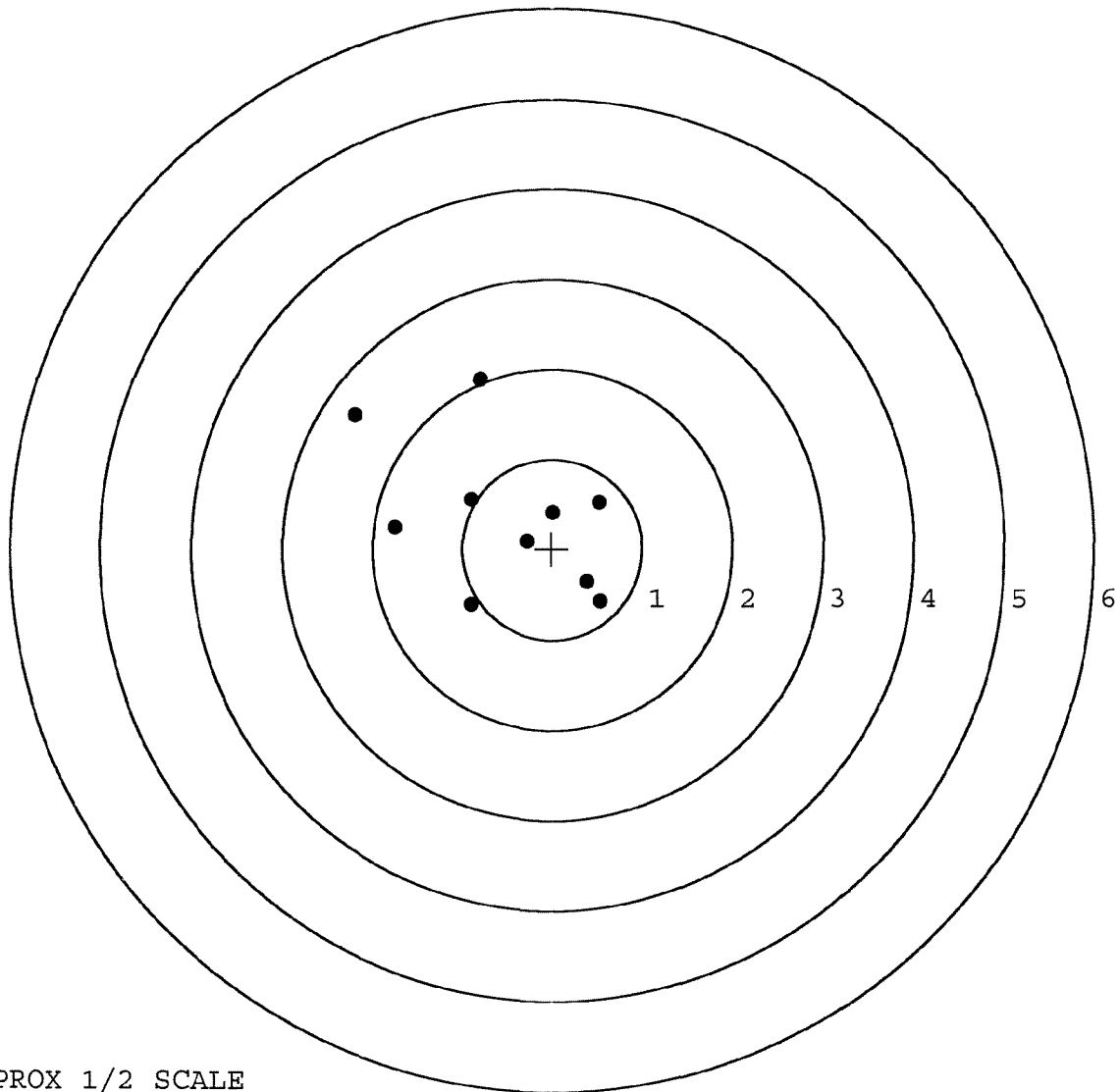
TARGET APPROX 1/2 SCALE

BARBER - M24 0022923

SERIAL NUMBER: C6587570. __0
 TARGET NUMBER: 5
 FILE DATE: 05/26/2005
 FILE TIME: 06:07

POINT#	X	Y
1:	0.540	-0.580
2:	0.392	-0.369
3:	0.521	0.516
4:	0.010	0.405
5:	-0.277	0.086
6:	-0.904	0.545
7:	-0.902	-0.622
8:	-1.756	0.239
9:	-2.194	1.485
10:	-0.800	1.885

X CENTROID: -0.537
 Y CENTROID: 0.359
 POA TO CENTROID: 0.646
 HORZ SPREAD: 2.734
 VERT SPREAD: 2.507
 GROUP SPREAD: 3.426
 MIN RADIUS: 0.377
 MAX RADIUS: 2.003
 MEAN RADIUS: 1.084
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 3
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
 INITIAL **BARBER M24 0022924**
 2.50 LBS (plus or minus 0.50 LBS)
 3.00 LBS (plus or minus 0.75 LBS)
 4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____
 DATE 5-9-05
 TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.66	2.69		2.51	
PULL #2	2.80	2.57		2.39	
PULL #3	2.68	2.43		2.45	
PULL #4	2.71	2.32		2.19	
PULL #5	2.80	2.43		2.50	
TOTAL	13.65	12.44		12.04	
AVERAGE	2.73	2.48		2.40	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.21		
PULL #2	3.34	3.45		
PULL #3	3.20	3.58		
PULL #4	3.37	3.43		
PULL #5	3.37	3.50		
TOTAL	16.45	17.17		
AVERAGE	3.29	3.43		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.43	4.21		4.39
PULL #2	4.42	4.31		4.44
PULL #3	4.53	4.25		4.36
PULL #4	4.57	4.43		4.44
PULL #5	4.46	4.42		4.43
TOTAL	22.41	21.62		22.06
AVERAGE	4.48	4.32		4.41

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	96718		
SERIAL NUMBER	C6587570		
LOG-IN DATE	9-6-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-9-05	KR
560 A	RE-BARREL		
B	DRILL AND TAP	5-18-05	TRW
575	ASSEMBLE		
600	PROOF	5-18-05	AC
605	CHECK HEADSPACE	5-18-05	AC
610	DIS-ASSEMBLE GUN	5-18-05	AC
612	MAGNAFLUX	5-19-05	WMS
615	ROLLMARK CALIBER	5-19-05	CW
618	ROTO-BLAST	5-20-05	LB
620	APPLY COATINGS	5-22-05	WJ
625 A	FINAL ASSEMBLY	5-25-05	RTL
B	TRIGGER PULL TEST	5-26-05	AC
C	SAFETY "ON" FORCE	5-26-05	AC
D	SAFETY "OFF" FORCE	5-26-05	AC
E	FIRING PIN INDENT	5-26-05	AC
640	TARGET	5-26-05	AC
655	FINAL INSPECT	5-26-05	AC
660	PACK	5-31-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

FINAL INSPECTION CHECKLIST M-24 REPAIRS
CONTRACT #: DAAE-20-02-D-0127SERIAL # C6587570 INSPECTED BY: RTLDATE REC'D: 5-6-05 DATE RET'D: 5-26-05

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☒ SCOPE
☒ SCOPE RINGS
☒ MOUNTING SCREWS
☒ MOUNTING BASE
☒ SCREWS
☒ FINISH
☒ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☒ SCOPE CASE
☒ IRON SIGHTS
☒ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ H24

SERIAL NO.
C6587570

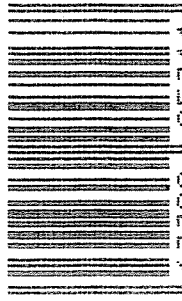
ORDER NO.
5716

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



5716 C6587570

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

NEW BBL

GUN SERIAL # C6587570

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/24/90	Kd
600	Proof		10/24/90	Kd
607	Check Headspace		10/24/90	Kd
610	Dis-assemble Gun		10/24/90	Kd
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes		11/6/90	FB
618	Polish Barrel AB		11/7/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/14/90	Kd
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/14/90	Kd
	C) Inspect Ejector Hole for Chamfer		12/14/90	Kd
	D) Oil Firing Pin Ass'y		12/14/90	Kd
	E) Adjust Trigger Pull to Min Setting and Stake		12/27/90	WB

BARBER - M24 0022929		READINGS			DATE	INIT		
op. #	OP. NAME							
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2	1/2/91	WLB		
	G) Safety Off Force	2	2	2	1/2/91	WLB		
	H) Trigger Pull Test & Retainability				12/27/90	WLB		
	I) Firing Pin Indent	1.070	.0205	1.0205	1/2/91	WLB		
	J) Assemble Stock				1/3/91	K.S.		
	K) Assemble Swivel Studs				1-11-91	JH		
	L) Attach Front and Rear Sight Assemblies				1/3/91	K.S.		
	M) Iron Sight Alignment				1/3/91	K.S.		
	N) Detach Front & Rear Sights & place in numbered container				1/3/91	K.S.		
	O) Attach Scope to Rifle				1/3/91	K.S.		
	P) Detach & Attach Scope 20 Times				1/3/91	K.S.		
640	Gallery Target & Test				1-10-91	DH		
	A) Time				1-10-91	DH		
	B) Malfunctions				1-10-91	DH		
	C) Pierced Primers				1-10-91	DH		
	D) Optical Clarity of Scope				1-10-91	DH		
645	Inspect for Live Ammo				1-10-91	DH		
655	Final Inspection							
	A) Headspace				1-11-91	JH		
	B) Trigger Pull	2.29	2.26	2.25	2.25	2.27	1-11-91	JH
	C) Function						1-11-91	JH
660	Pack						3/15/91	WLB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6587570

DATE 12/27/80

TESTER WLB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.25	2.31	2.29	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.48	2.31	2.26	
PULL #3	2.35	2.27	2.41	2.25	
PULL #4	2.43	2.49	2.39	2.25	
PULL #5	2.31	2.28	2.35	2.27	
TOTAL	11.69	11.77	11.77		
AVG.	2.34	2.35	2.35		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.37		
PULL #2	3.30	3.36		
PULL #3	3.28	3.29		
PULL #4	3.25	3.39		
PULL #5	3.34	3.02		
TOTAL	16.51	16.40		
AVG.	3.30	3.28		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.27		4.05
PULL #2	4.30	4.34		3.94
PULL #3	4.29	4.31		3.95
PULL #4	4.36	4.33		3.90
PULL #5	4.35	4.21		3.90
TOTAL	21.54	21.46		19.74
AVG.	4.31	4.29		3.95

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587570
11 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.201318
1 TO	2	.169994
1 TO	3	.15199
1 TO	4	.503114
1 TO	5	.0680294

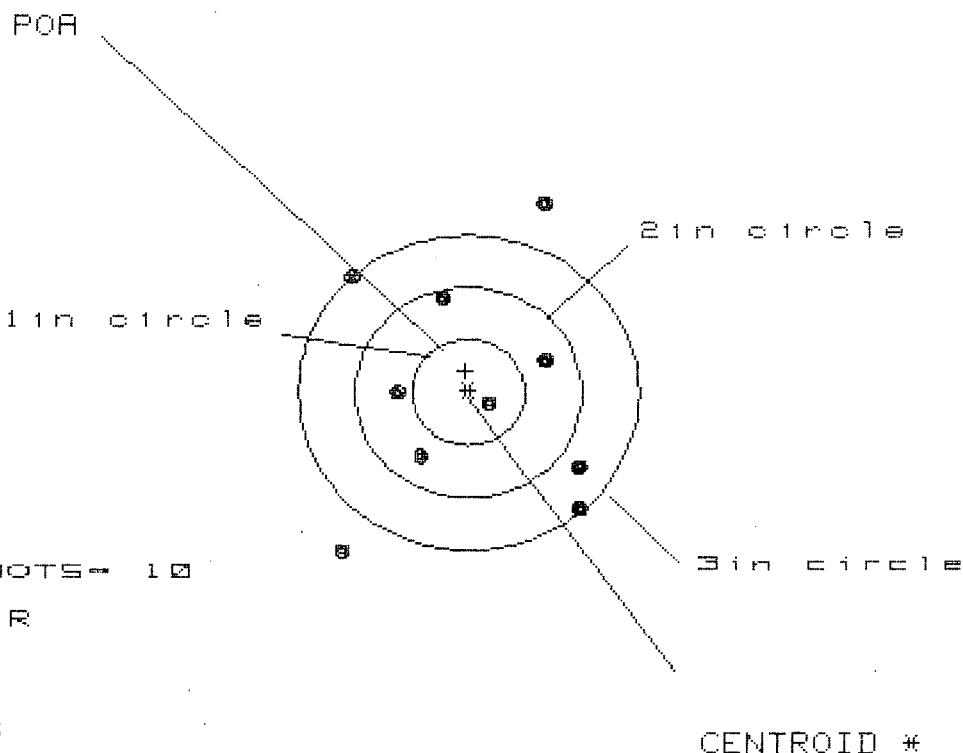
⌘⁴ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1228
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0832
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .148331
THE AMR FOR THIS RIFLE IS: .8936

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587570

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 6

HS= 2.112

VS= 3.269

GS= 3.713

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.983	1.053	.921
MINIMUM X	-1.129	-1.059	-1.100
MAXIMUM Y	1.784	1.281	1.120
MINIMUM Y	-1.485	-1.287	-1.101
CENTROID X	.023	-.047	.085
CENTROID Y	-.200	-.398	-.237
POA TO CENTROID in.	.201	.401	.252
MIN RADIUS	.146	.247	.075
MEAN RADIUS	1.111	1.020	.911
MAX RADIUS	1.893	1.667	1.570
HORIZONTAL SPREAD	2.112	2.112	2.021
VERTICAL SPREAD	3.269	2.568	2.221
EXTREME SPREAD	3.713	3.003	3.003
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	6		

10 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587570

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.080

VS= 2.216

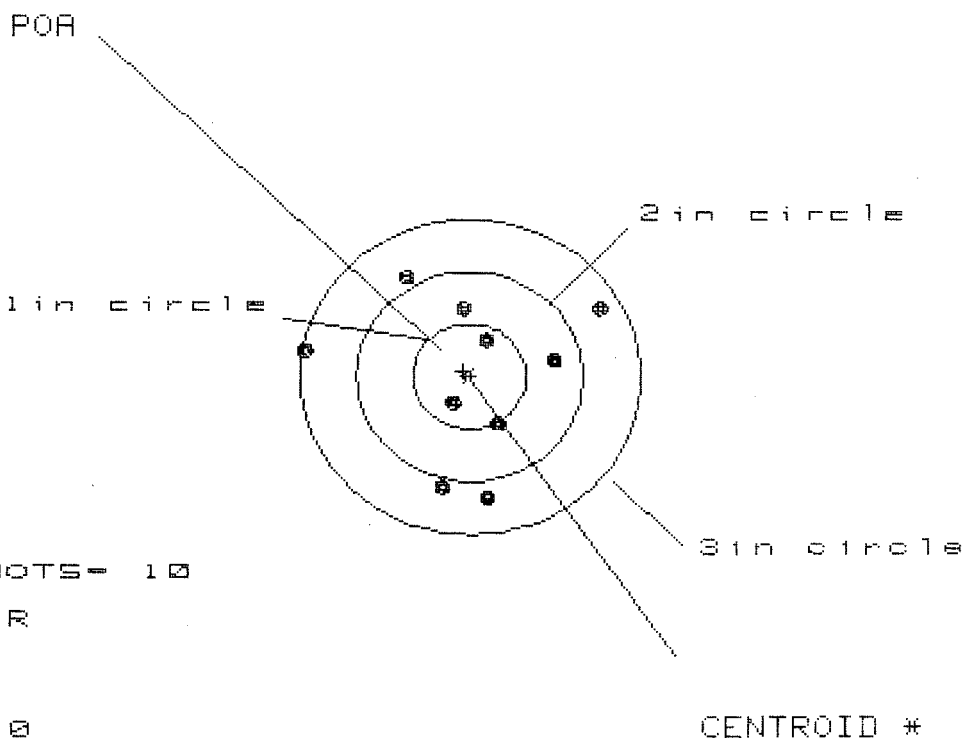
GS= 2.723

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.997	.877	.855
MINIMUM X	:	-1.083	-.800	-.822
MAXIMUM Y	:	.899	.753	.572
MINIMUM Y	:	-1.317	-1.444	-.614
CENTROID X	:	.136	.256	.278
CENTROID Y	:	-.073	.073	.254
POA TO CENTROID in.	:	.154	.266	.376
MIN RADIUS	:	.262	.137	.045
MEAN RADIUS	:	.856	.730	.616
MAX RADIUS	:	1.705	1.455	.857
HORIZONTAL SPREAD	:	2.080	1.677	1.677
VERTICAL SPREAD	:	2.216	2.197	1.186
EXTREME SPREAD	:	2.723	2.221	1.677
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587570

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS = 2.569

VS = 2.040

GS = 2.594

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.121	.960	.753
MINIMUM X	-1.448	-.698	-.579
MAXIMUM Y	.912	.939	1.017
MINIMUM Y	-1.128	-1.101	-1.023
CENTROID X	.053	.213	.093
CENTROID Y	-.051	-.078	-.156
POA TO CENTROID in.	.073	.227	.182
MIN RADIUS	.287	.366	.224
MEAN RADIUS	.867	.787	.732
MAX RADIUS	1.469	1.170	1.170
HORIZONTAL SPREAD	2.569	1.658	1.332
VERTICAL SPREAD	2.040	2.040	2.040
EXTREME SPREAD	2.594	2.180	2.154
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587570

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 9

3 in = 10

HS= 1.523

VS= 1.256

GS= 1.598

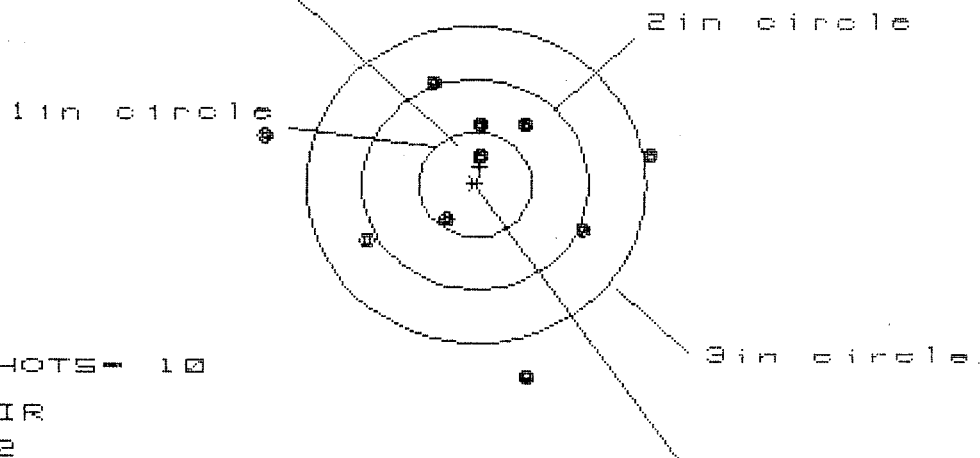
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.848	.618	.546
MINIMUM X	:	-.675	-.581	-.521
MAXIMUM Y	:	.709	.778	.464
MINIMUM Y	:	-.547	-.478	-.380
CENTROID X	:	.441	.347	.419
CENTROID Y	:	.080	.011	-.087
POA TO CENTROID in.	:	.448	.347	.428
MIN RADIUS	:	.098	.090	.070
MEAN RADIUS	:	.581	.506	.425
MAX RADIUS	:	1.051	.971	.666
HORIZONTAL SPREAD	:	1.523	1.199	1.067
VERTICAL SPREAD	:	1.256	1.256	.844
EXTREME SPREAD	:	1.598	1.598	1.199
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Jan 1981

FILE:/PATTERNING/CENTERFIRE_PATT/06587570

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 7

HS= 3.433

VS= 2.752

GS= 3.446

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.547	1.337	1.369
MINIMUM X	-1.886	-1.196	-1.164
MAXIMUM Y	.968	1.025	.809
MINIMUM Y	-1.784	-1.727	-.710
CENTROID X	-.039	.171	.139
CENTROID Y	-.172	-.229	-.013
POA TO CENTROID in.	.176	.286	.140
MIN RADIUS	.268	.347	.149
MEAN RADIUS	1.053	.958	.802
MAX RADIUS	1.956	1.745	1.370
HORIZONTAL SPREAD	3.433	2.533	2.533
VERTICAL SPREAD	2.752	2.752	1.519
EXTREME SPREAD	3.446	2.870	2.649
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		