

C6523476

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: **RE00085576** Serial: C6523476 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 9/28/2004 2:34:15 PM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: C CO SPT BN 1ST SWTG A C CO SPT BN 1ST SWTG A

Address 1: AHN ARMAMENT FACILITY AHN ARMAMENT FACILITY

Address 2: PO Box: 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: Fax: Email: Comments:

Received Condition

Fair

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Bases	3

Repair Search Refresh Close

noclet 9/28/2004 2:51 PM CAP3 NUM INS SCPL

start 2 3 4

Serial Number: **C6523476**

Model: **M24 SWS**



RE00085576

EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

[illegible]

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523476.___0
FILE DATE AND TIME: 10/25/2004 06:25

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.064
The Average Y Centroid of the Five Target Set:	-0.096
The Average Point of Impact of the Five Target Set:	0.115
The Average Mean Radius of the Five Target Set:	0.766
The Distance from POA to Centroid Target #1:	0.323
The Distance from Centroid Target #2 to Centroid Target #1:	0.566
The Distance from Centroid Target #3 to Centroid Target #1:	0.133
The Distance from Centroid Target #4 to Centroid Target #1:	0.319
The Distance from Centroid Target #5 to Centroid Target #1:	0.087

SERIAL NUMBER: C6523476. __0

TARGET NUMBER: 1

FILE DATE: 10/25/2004

FILE TIME: 06:25

X CENTROID: -0.209

Y CENTROID: -0.247

POA TO CENTROID: 0.323

HORZ SPREAD: 2.309

VERT SPREAD: 1.698

GROUP SPREAD: 2.719

MIN RADIUS: 0.353

MAX RADIUS: 1.718

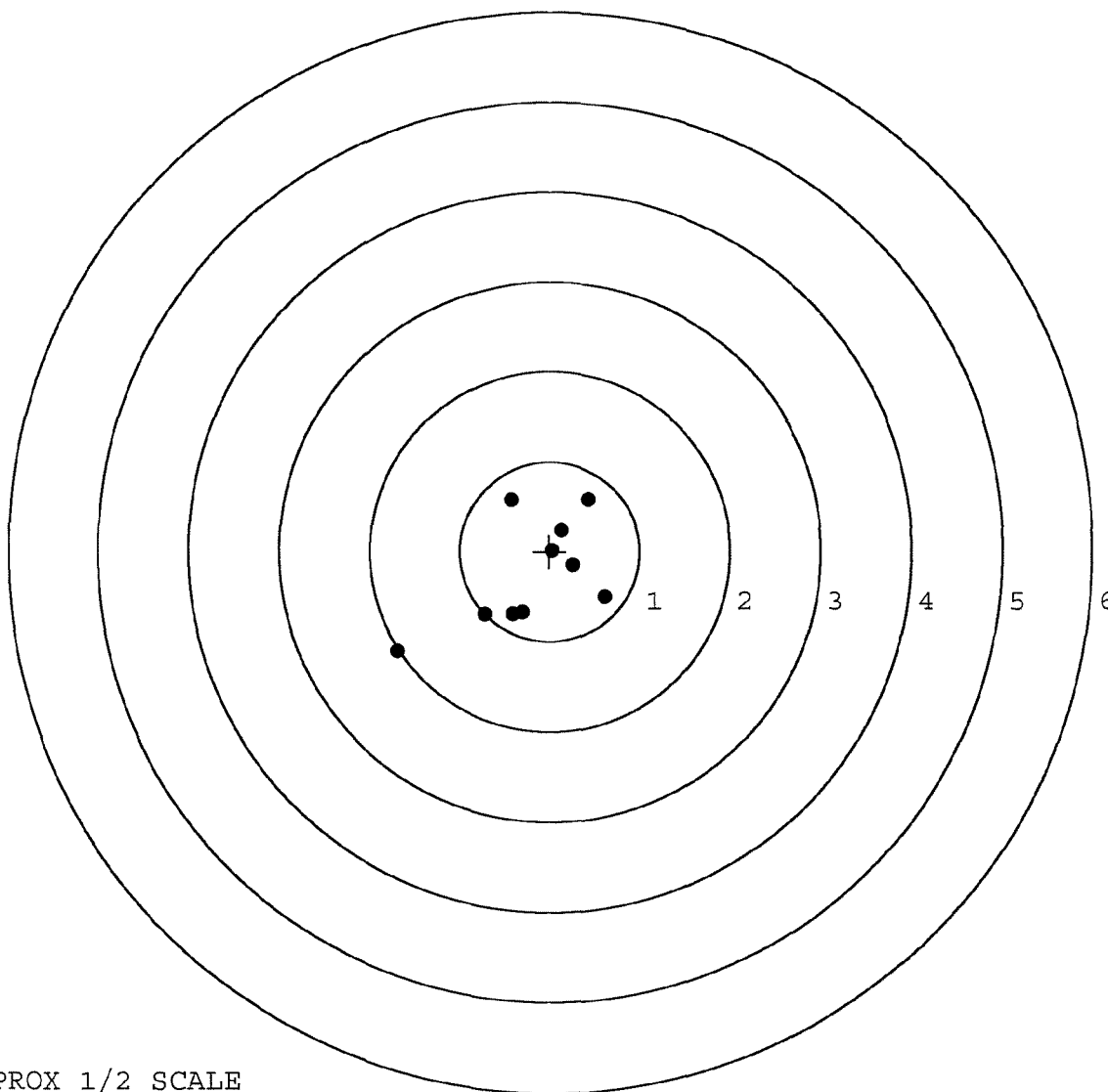
MEAN RADIUS: 0.755

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.692	-1.114
2:	-0.726	-0.704
3:	-0.305	-0.686
4:	0.617	-0.513
5:	0.261	-0.159
6:	0.030	0.013
7:	0.139	0.239
8:	0.432	0.584
9:	-0.433	0.575
10:	-0.410	-0.703



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523476. __0

TARGET NUMBER: 2

FILE DATE: 10/25/2004

FILE TIME: 06:25

X CENTROID: 0.149

Y CENTROID: 0.191

POA TO CENTROID: 0.243

HORZ SPREAD: 3.418

VERT SPREAD: 2.238

GROUP SPREAD: 3.455

MIN RADIUS: 0.227

MAX RADIUS: 2.113

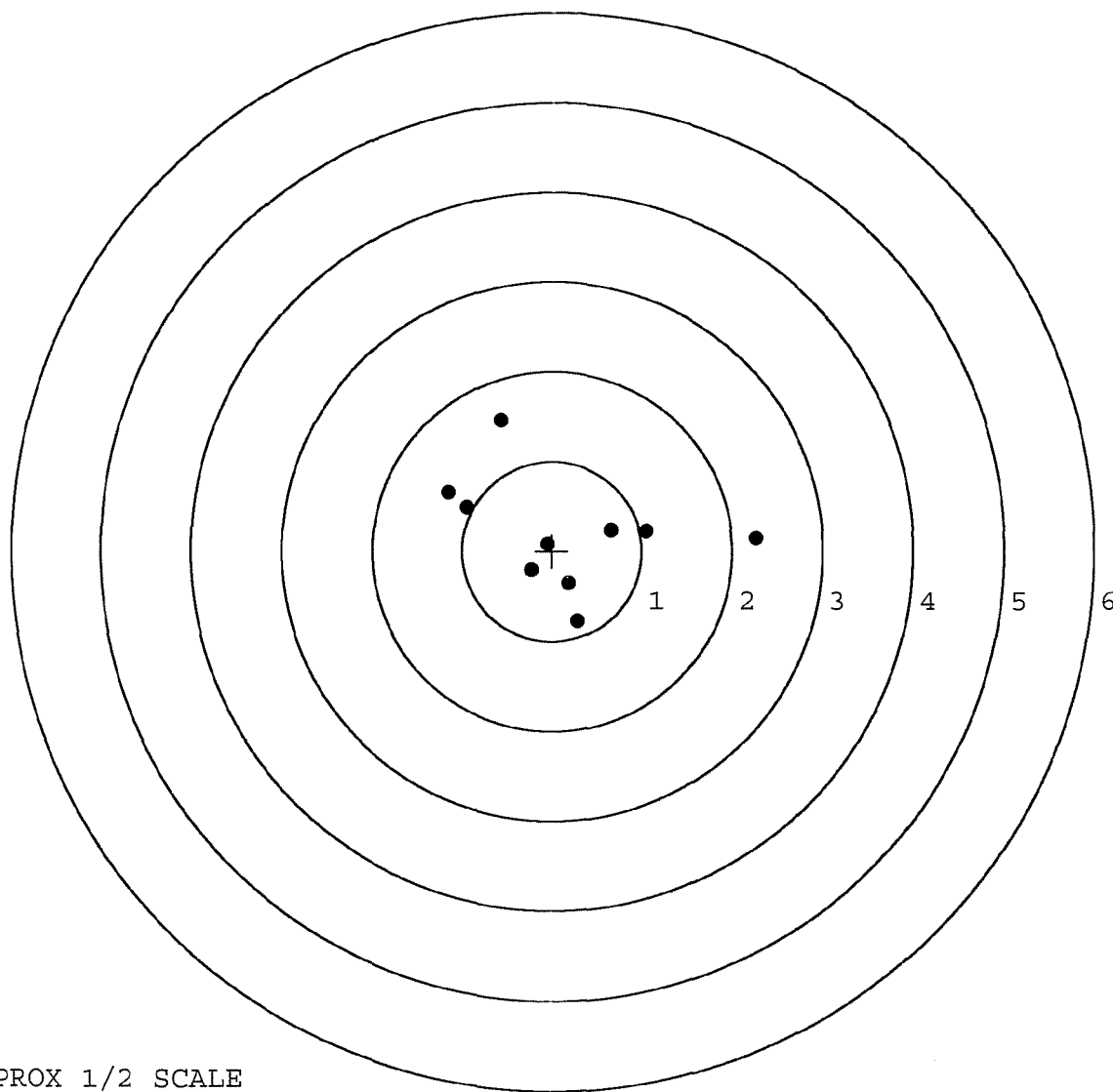
MEAN RADIUS: 0.984

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	2.261	0.150
2:	1.049	0.226
3:	0.662	0.238
4:	-0.952	0.482
5:	-1.157	0.651
6:	-0.575	1.457
7:	-0.047	0.077
8:	-0.231	-0.219
9:	0.192	-0.366
10:	0.287	-0.781



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523476. 0

TARGET NUMBER: 3

FILE DATE: 10/25/2004

FILE TIME: 06:25

X CENTROID: -0.134

Y CENTROID: -0.136

POA TO CENTROID: 0.191

HORZ SPREAD: 1.200

VERT SPREAD: 1.424

GROUP SPREAD: 1.673

MIN RADIUS: 0.324

MAX RADIUS: 1.025

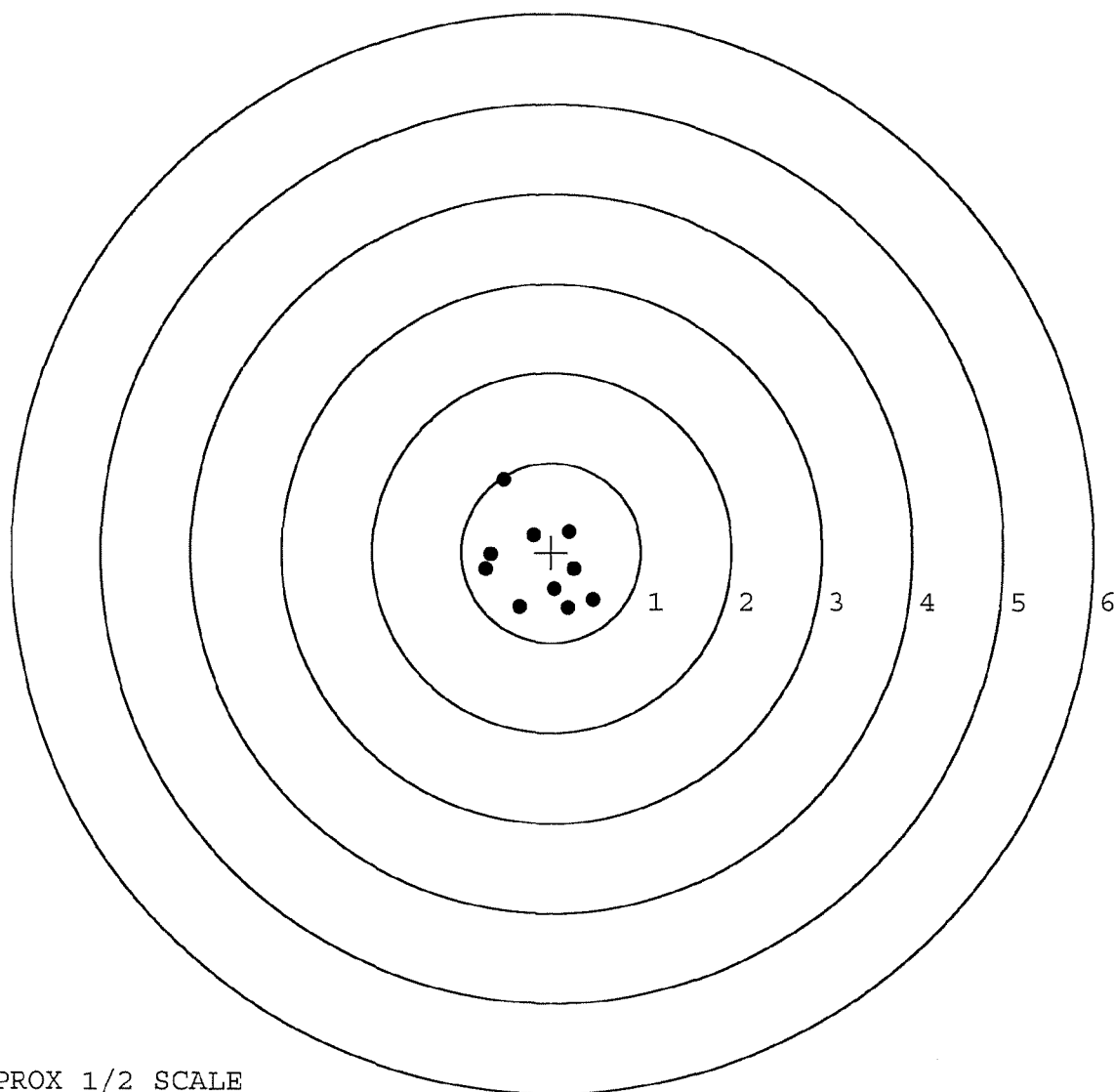
MEAN RADIUS: 0.554

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.535	0.807
2:	0.204	0.227
3:	-0.197	0.189
4:	-0.675	-0.027
5:	-0.733	-0.198
6:	-0.357	-0.608
7:	0.254	-0.192
8:	0.038	-0.411
9:	0.190	-0.617
10:	0.467	-0.533



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523476. 0

TARGET NUMBER: 4

FILE DATE: 10/25/2004

FILE TIME: 06:25

X CENTROID: 0.087

Y CENTROID: -0.127

POA TO CENTROID: 0.154

HORZ SPREAD: 1.593

VERT SPREAD: 1.590

GROUP SPREAD: 1.590

MIN RADIUS: 0.388

MAX RADIUS: 0.934

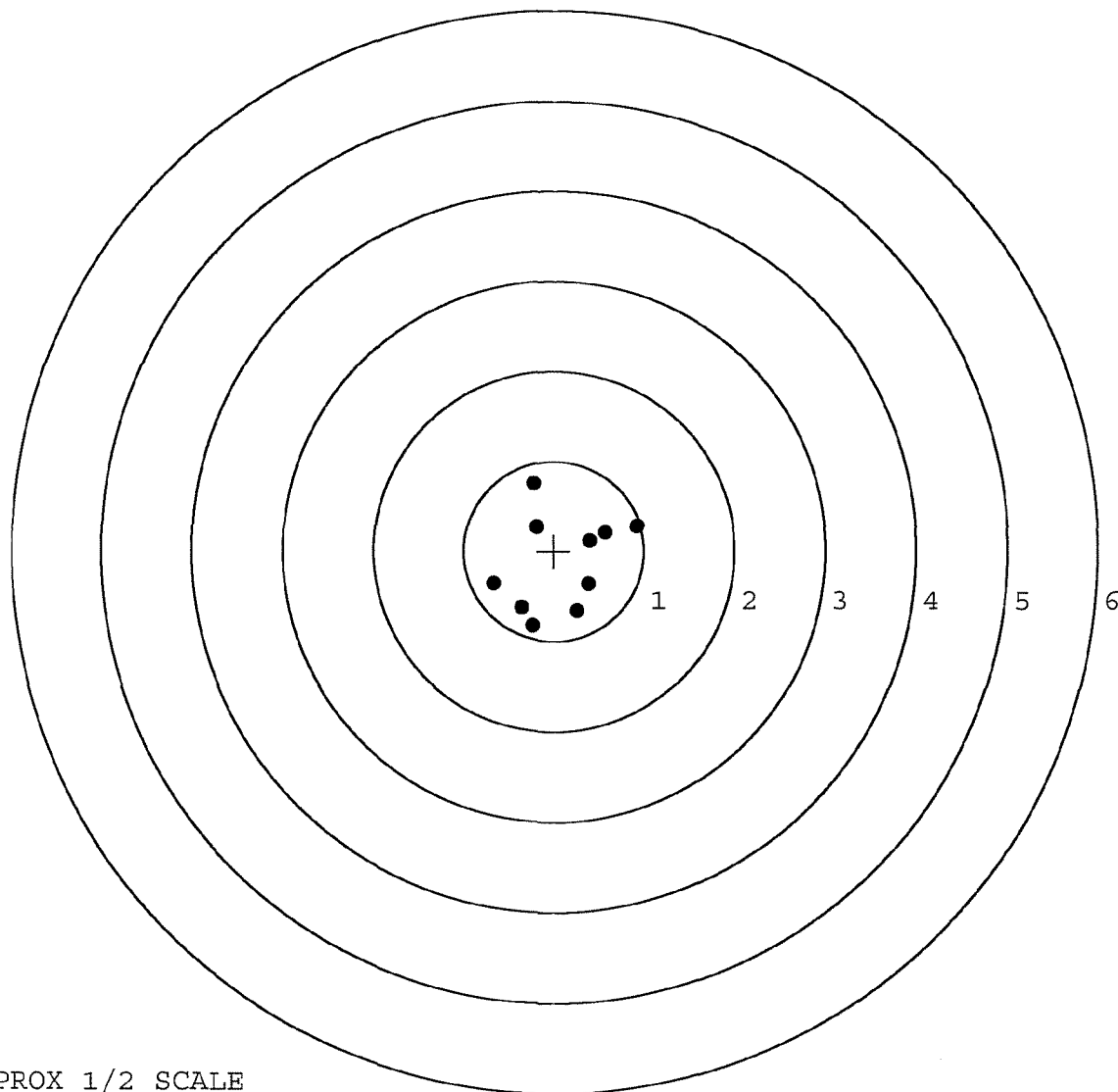
MEAN RADIUS: 0.654

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.262	-0.668
2:	0.390	-0.370
3:	0.401	0.117
4:	0.577	0.208
5:	0.925	0.274
6:	-0.230	0.751
7:	-0.189	0.264
8:	-0.668	-0.372
9:	-0.360	-0.637
10:	-0.236	-0.839



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523476. __0

TARGET NUMBER: 5

FILE DATE: 10/25/2004

FILE TIME: 06:25

X CENTROID: -0.215

Y CENTROID: -0.160

POA TO CENTROID: 0.268

HORZ SPREAD: 2.776

VERT SPREAD: 1.669

GROUP SPREAD: 3.210

MIN RADIUS: 0.195

MAX RADIUS: 1.911

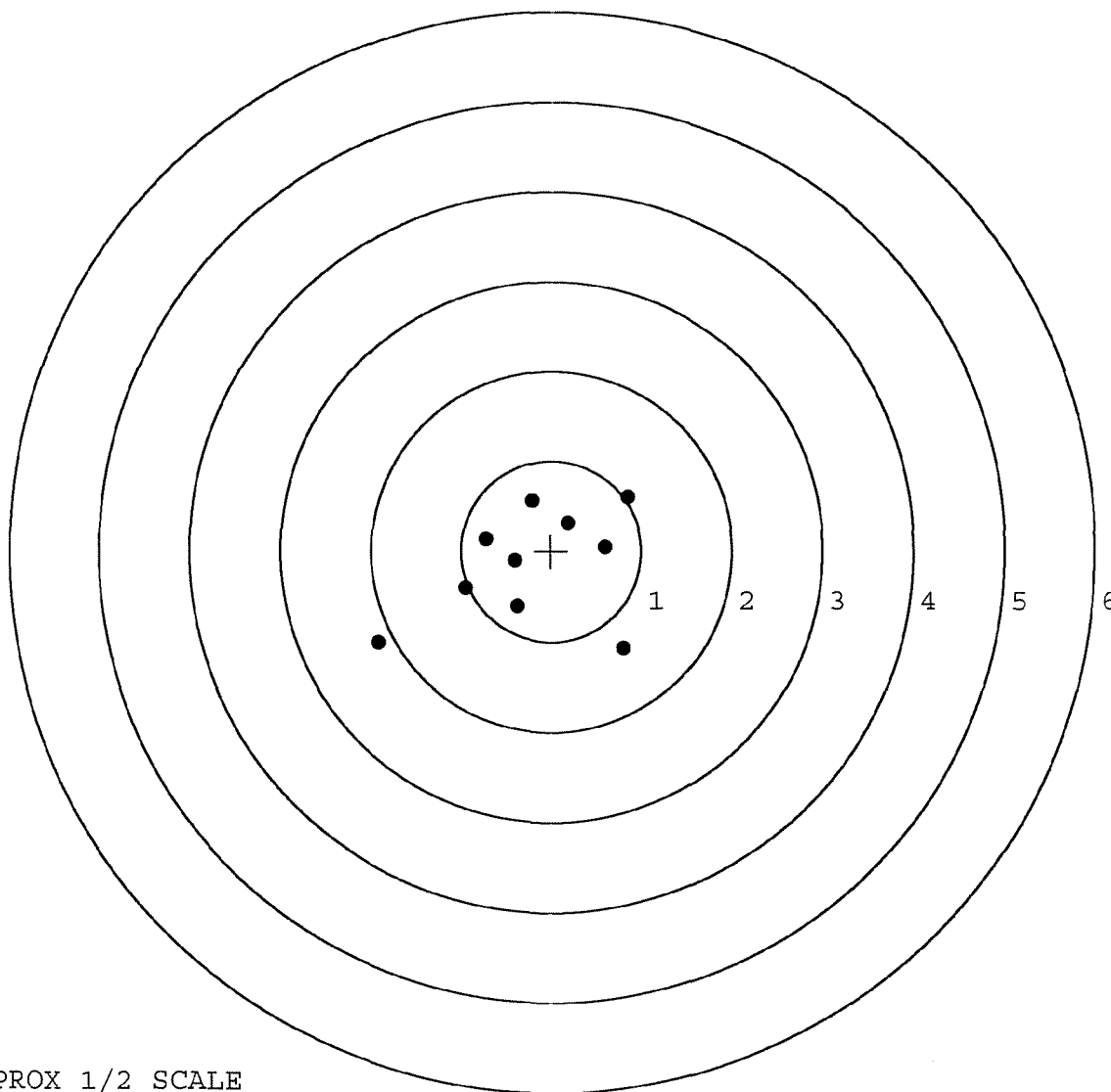
MEAN RADIUS: 0.880

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.800	-1.074
2:	0.605	0.041
3:	0.853	0.595
4:	0.181	0.312
5:	-0.216	0.557
6:	-0.721	0.132
7:	-0.404	-0.114
8:	-0.376	-0.620
9:	-0.947	-0.414
10:	-1.923	-1.017



TARGET APPROX 1/2 SCALE

R & E NUMBER	85574		
SERIAL NUMBER	C6523476		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-3-04	RTL
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRW
575	ASSEMBLE	10-6-04	RTL
600	PROOF	10-7-04	RTL
605	CHECK HEADSPACE	10-7-04	RTL
610	DIS-ASSEMBLE GUN	10-7-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10-11-04	SB/CW
618	ROTO-BLAST	10-11-04	LB
620	APPLY COATINGS	10/19/04	HP
625 A	FINAL ASSEMBLY	10-21-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-25-04	A
655	FINAL INSPECT	10-25-04	RTL
660	PACK	11-2-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 0523476

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/21/90	KCD
	Magnaflux Bolt		8/21/90	KCD
615	Rollmark Caliber		8/21/90	C.S.
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8-21-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake		9/10/90	WB

BARBER - M24 0028767

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/10/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/10/90	WB
	H) Trigger Pull Test & Retainability						9/10/90	WB
	I) Firing Pin Indent	1.022	.0225	.0225			9/10/90	WB
	J) Assemble Stock						9/10/90	KS
	K) Assemble Swivel Studs						9/15/90	QJ
	L) Attach Front and Rear Sight Assemblies						9/10/90	KS
	M) Iron Sight Alignment						9/10/90	KS
	N) Detach Front & Rear Sights & place in numbered container						9/10/90	KS
	O) Attach Scope to Rifle						9/10/90	KS
	P) Detach & Attach Scope 20 Times						9/10/90	KS
640	Gallery Target & Test						9-13-90	DH
	A) Time						9-13-90	DH
	B) Malfunctions						9-13-90	DH
	C) Pierced Primers						9-13-90	DH
	D) Optical Clarity of Scope						9-13-90	DH
645	Inspect for Live Ammo						9-13-90	DH
655	Final Inspection						9/15/90	QJ
	A) Headspace						9-15-90	QJ
	B) Trigger Pull	2.23	2.38	2.44	2.41	2.36	9-15-90	QJ
	C) Function						9/15/90	QJ
660	Pack						9-18-90	QJ

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6523476

DATE 9/10/90

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.19	2.30	2.23	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.29	2.22	2.47	2.38	
PULL #3	2.35	2.26	2.50	2.44	
PULL #4	2.30	2.27	2.25	2.41	
PULL #5	2.46	2.33	2.29	2.36	
TOTAL	11.87	11.27	11.81	11.82	
AVG.	2.37	2.25	2.36	2.364	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.13	3.10		
PULL #2	3.10	3.04		
PULL #3	3.14	3.04		
PULL #4	3.04	3.07		
PULL #5	3.05	3.10		
TOTAL	15.46	15.35		
AVG.	3.09	3.07		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.00		4.05
PULL #2	4.06	4.00		4.12
PULL #3	4.03	4.00		4.00
PULL #4	4.03	4.01		4.08
PULL #5	4.00	3.99		4.02
TOTAL	20.26	20.00		20.27
AVG.	4.05	4.00		4.05

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523476
13 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.295466
1 TO	2	.335382
1 TO	3	.412069
1 TO	4	.394057
1 TO	5	.152765

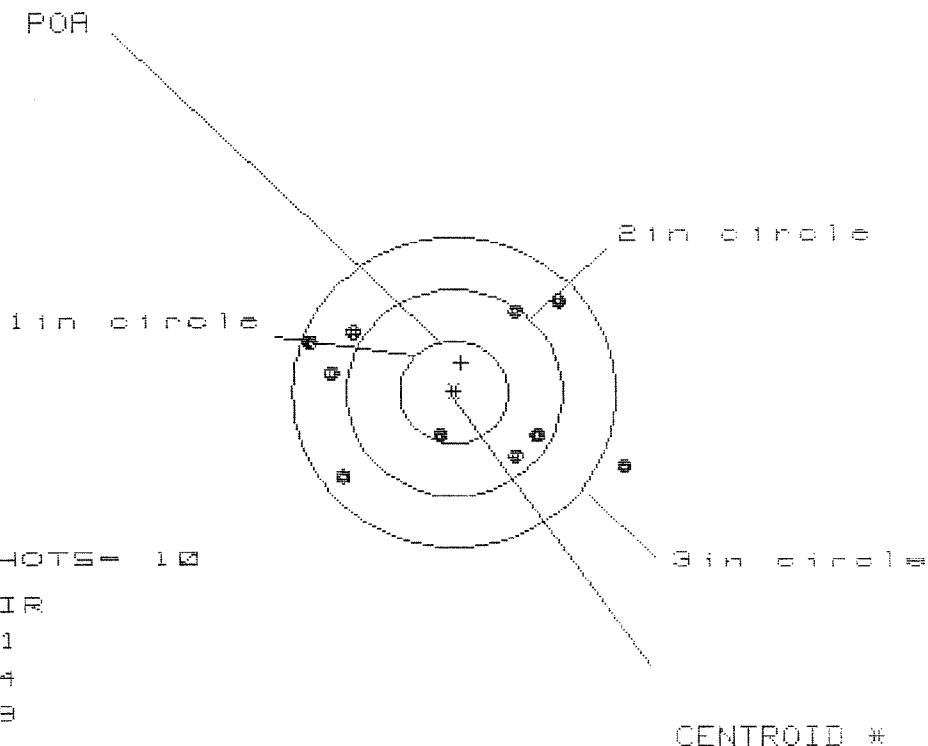
stg <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1292
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.238
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .270807
THE AMR FOR THIS RIFLE IS: 1.03

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523476

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

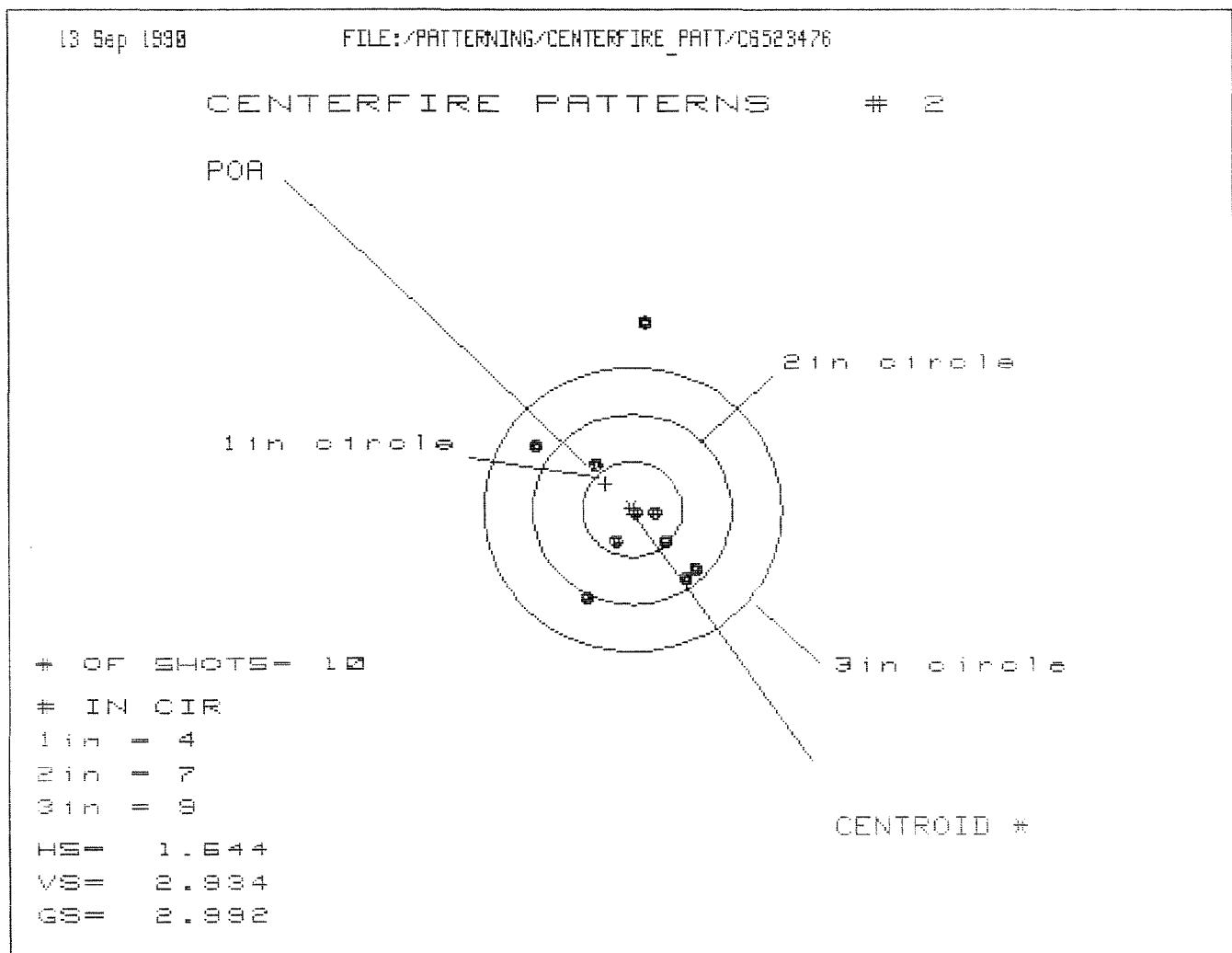
HS= 2.882

VS= 1.657

GS= 3.126

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.533	1.169	1.022
MINIMUM X	-1.349	-1.178	-1.077
MAXIMUM Y	.876	.798	.851
MINIMUM Y	-.781	-.859	-.806
CENTROID X	-.066	-.237	-.090
CENTROID Y	-.288	-.210	-.263
POA TO CENTROID in.	.295	.316	.278
MIN RADIUS	.430	.501	.449
MEAN RADIUS	1.110	1.040	.998
MAX RADIUS	1.687	1.415	1.330
HORIZONTAL SPREAD	2.882	2.347	2.098
VERTICAL SPREAD	1.657	1.657	1.657
EXTREME SPREAD	3.126	2.612	2.612
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.653	.670	.548
MINIMUM X	:	-.991	-.974	-.534
MAXIMUM Y	:	1.969	.852	.809
MINIMUM Y	:	-.965	-.746	-.639
CENTROID X	:	.269	.252	.374
CENTROID Y	:	-.272	-.491	-.598
POA TO CENTROID in.	:	.383	.552	.705
MIN RADIUS	:	.026	.174	.210
MEAN RADIUS	:	.775	.616	.514
MAX RADIUS	:	1.975	1.294	.929
HORIZONTAL SPREAD	:	1.644	1.644	1.082
VERTICAL SPREAD	:	2.934	1.598	1.448
EXTREME SPREAD	:	2.992	2.089	1.549
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Sep 1998

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 2.223

VS= 2.777

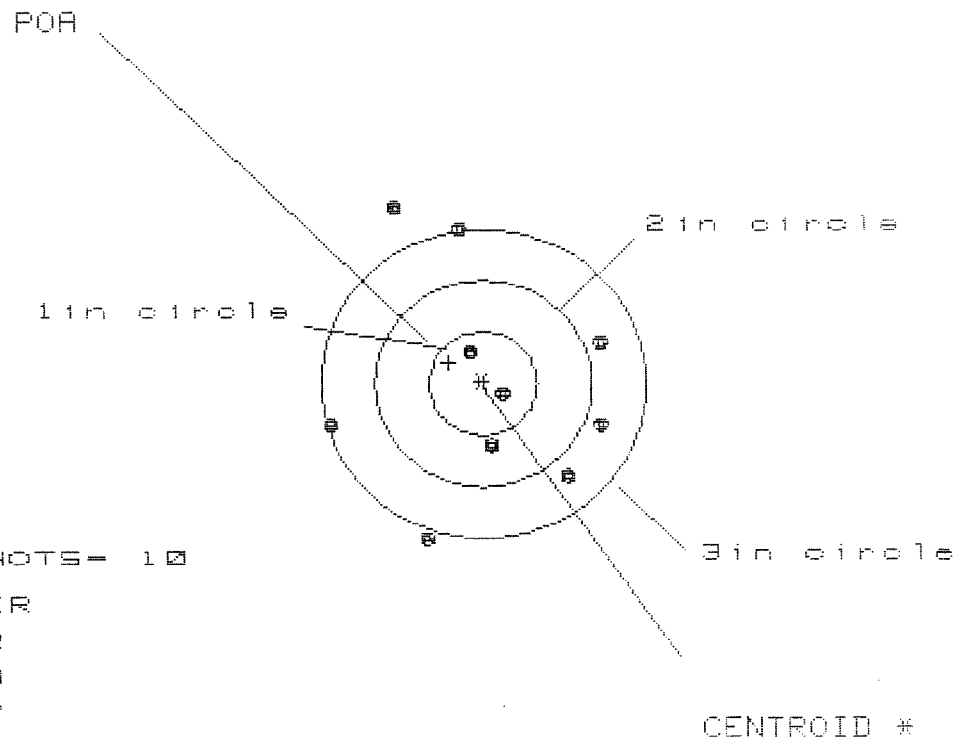
GS= 3.184

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.108	.984	1.029
MINIMUM X	:	-1.115	-.814	-.769
MAXIMUM Y	:	1.313	1.437	1.275
MINIMUM Y	:	-1.464	-1.318	-1.480
CENTROID X	:	.334	.458	.413
CENTROID Y	:	-.189	-.335	-.173
POA TO CENTROID in.	:	.384	.567	.448
MIN RADIUS	:	.281	.174	.210
MEAN RADIUS	:	1.103	1.028	.966
MAX RADIUS	:	1.722	1.460	1.554
HORIZONTAL SPREAD	:	2.223	1.798	1.798
VERTICAL SPREAD	:	2.777	2.755	2.755
EXTREME SPREAD	:	3.184	2.801	2.767
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8523476

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 2.504

VS= 3.149

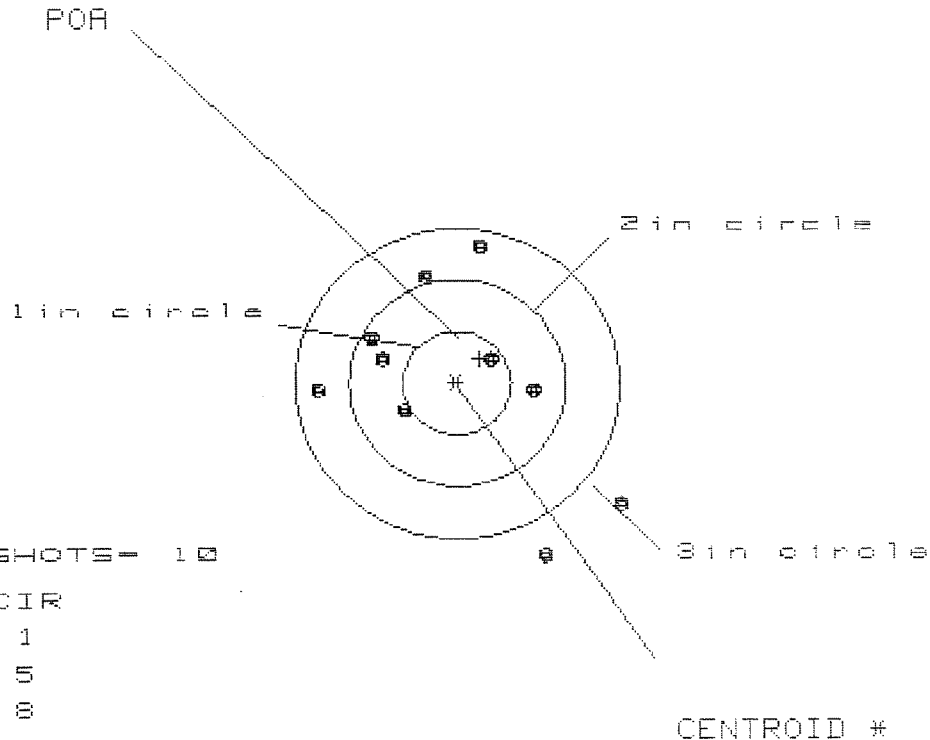
GS= 3.163

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.097	1.003	.921
MINIMUM X	:	-1.407	-1.501	-1.583
MAXIMUM Y	:	1.659	1.664	1.501
MINIMUM Y	:	-1.490	-1.306	-.841
CENTROID X	:	.319	.413	.495
CENTROID Y	:	-.204	-.388	-.225
POA TO CENTROID in.	:	.379	.567	.544
MIN RADIUS	:	.234	.154	.079
MEAN RADIUS	:	1.108	.991	.916
MAX RADIUS	:	1.864	1.702	1.635
HORIZONTAL SPREAD	:	2.504	2.504	2.504
VERTICAL SPREAD	:	3.149	2.970	2.342
EXTREME SPREAD	:	3.163	2.985	2.646
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523476

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.719

VS= 2.966

GS= 3.024

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.466
MINIMUM X	-1.253
MAXIMUM Y	1.299
MINIMUM Y	-1.667
CENTROID X	-.210
CENTROID Y	-.237
POA TO CENTROID in.	.317
MIN RADIUS	.373
MEAN RADIUS	1.055
MAX RADIUS	1.854
HORIZONTAL SPREAD	2.719
VERTICAL SPREAD	2.966
EXTREME SPREAD	3.024
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

Remington®
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

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

SERIAL NO.
C6523476

ORDER NO.
5716

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

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