

4

C6498810

SWS

MODEL 700™ M24

Model **SWS**™

Action

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: RE00131742

Serial: C6498810 Model M24 SWS Center Fire

Repairman:

Verify Repair

Status:

Closed 7/25/2007 1:32:38 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: 0002 AR RGT 02 HHC INF BN BCT

0002 AR RGT 02 HHC INF BN BCT

Address 1: ROSE BARRACKS

ROSE BARRACKS

Address 2: SOUTH CAMP BLDG 728

PO Box:

SOUTH CAMP BLDG 728

PO Box:

City: MILSECK

MILSECK

State: DE

Zip Code: 192249

Country: US

State: DE

Zip Code: 192249

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	2
A055	Deployment Kit	1
A057	Fit and Rear Sgt Base	1
G000	SCOPE CASE	1

Repair Search

Refresh

Close

nagletj

7/25/2007

1:39 PM

CAPS

NUM

INS

SCRL

start

4 Mi...

4 Int...

2 Mi...

Part S...

Arms ...

SAP L...

1:39 PM

Serial Number:

C6498810

Model: M24 SWS



RE00131742

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498818.__0
FILE DATE AND TIME: 09/06/2007 22:59

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.056
The Average Y Centroid of the Five Target Set:	-0.021
The Average Point of Impact of the Five Target Set:	0.060
The Average Mean Radius of the Five Target Set:	0.756
The Distance from POA to Centroid Target #1:	0.275
The Distance from Centroid Target #2 to Centroid Target #1:	0.466
The Distance from Centroid Target #3 to Centroid Target #1:	0.510
The Distance from Centroid Target #4 to Centroid Target #1:	0.372
The Distance from Centroid Target #5 to Centroid Target #1:	0.336

SERIAL NUMBER: C6498818. 0

TARGET NUMBER: 1

FILE DATE: 09/06/2007

FILE TIME: 22:59

POINT#	X	Y
1:	-0.367	2.221
2:	-0.416	0.961
3:	-0.181	0.535
4:	-0.153	-0.183
5:	0.105	-0.434
6:	0.713	-0.569
7:	0.990	-0.165
8:	0.182	-1.346
9:	-0.674	-0.299
10:	-2.821	0.122

X CENTROID: -0.262

Y CENTROID: 0.084

POA TO CENTROID: 0.275

HORZ SPREAD: 3.811

VERT SPREAD: 3.567

GROUP SPREAD: 3.822

MIN RADIUS: 0.289

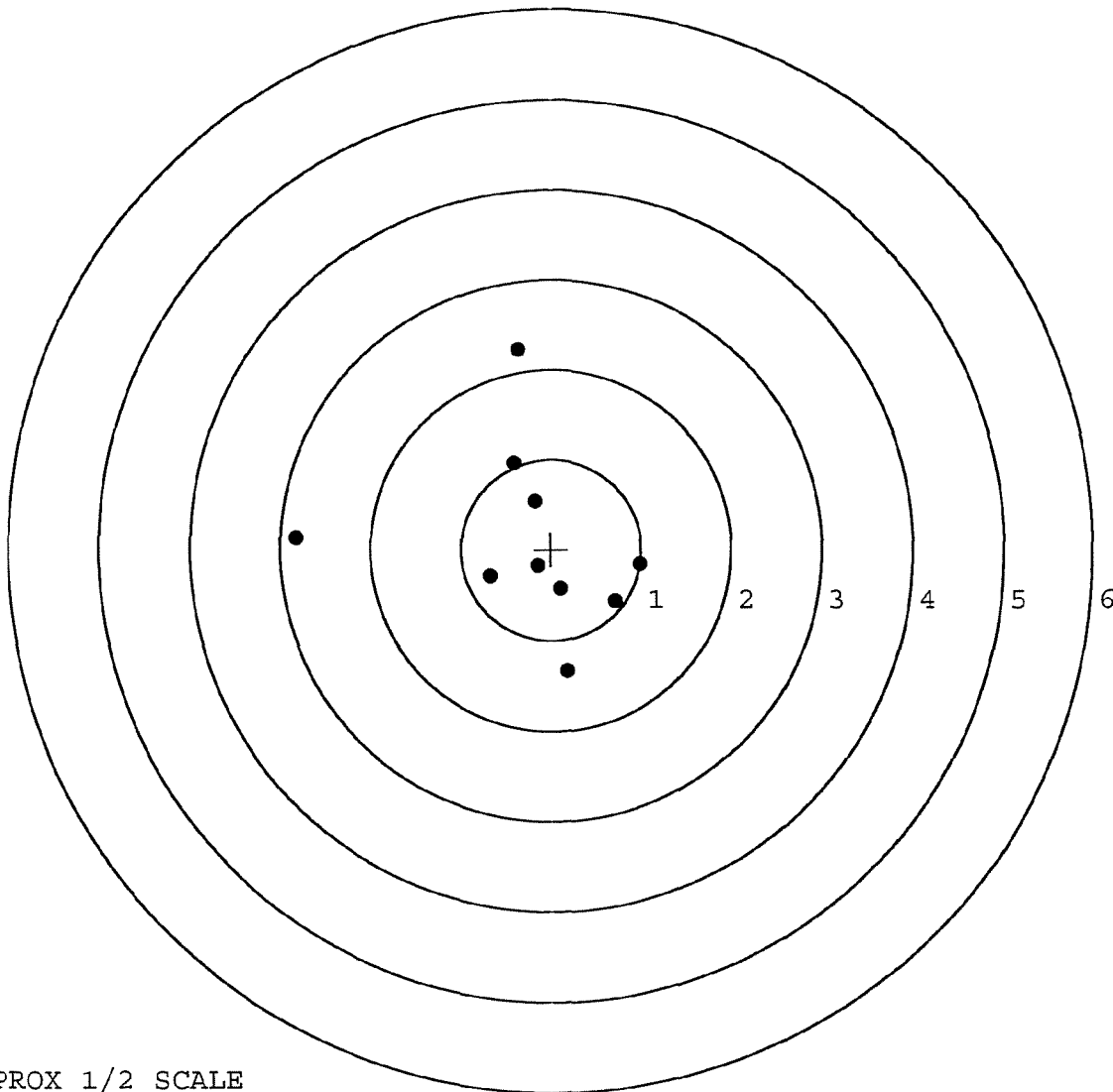
MAX RADIUS: 2.559

MEAN RADIUS: 1.148

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

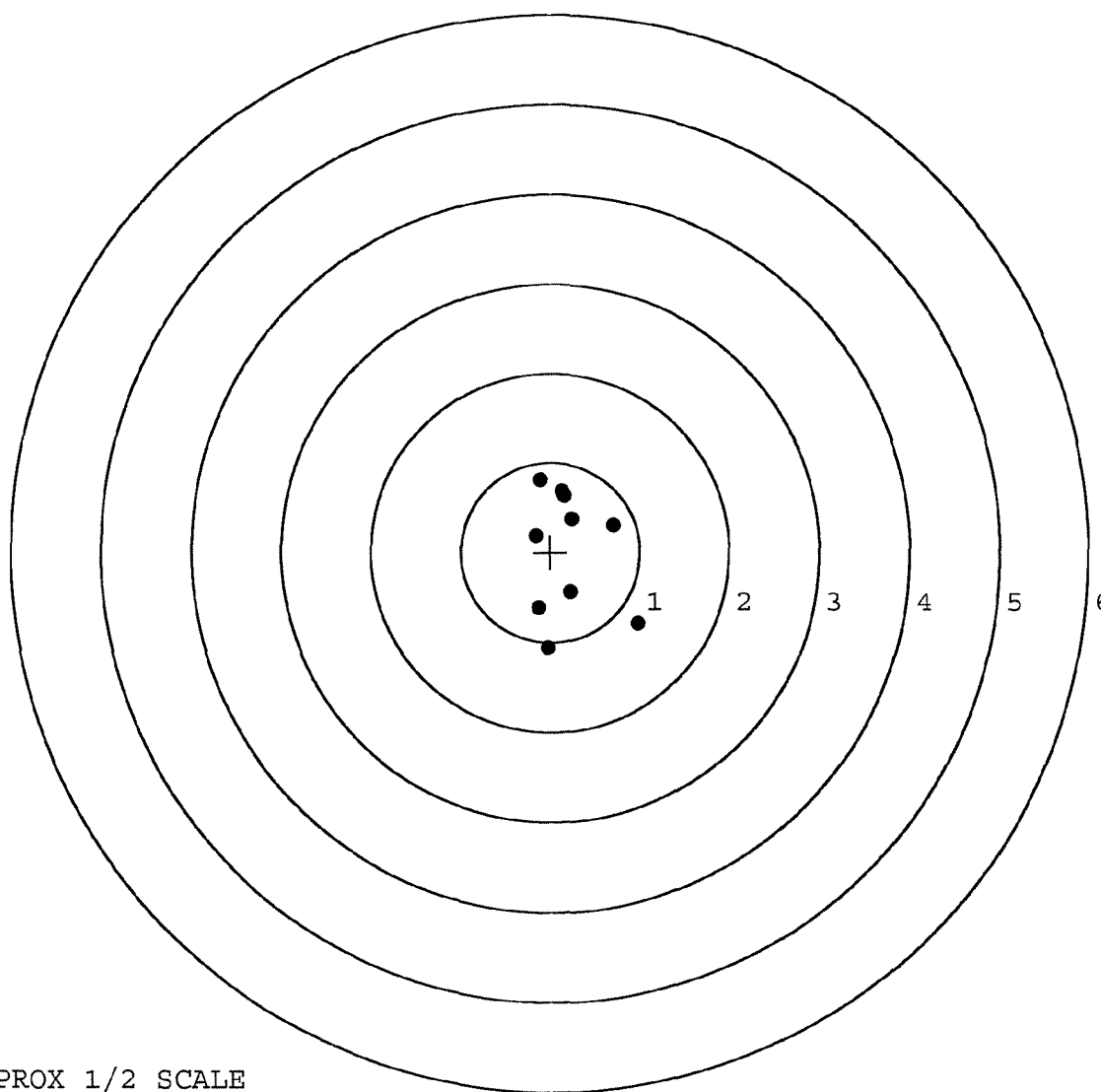


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498818. 0
TARGET NUMBER: 2
FILE DATE: 09/06/2007
FILE TIME: 22:59

X CENTROID: 0.196
Y CENTROID: 0.002
POA TO CENTROID: 0.196
HORZ SPREAD: 1.146
VERT SPREAD: 1.870
GROUP SPREAD: 1.941
MIN RADIUS: 0.371
MAX RADIUS: 1.121
MEAN RADIUS: 0.689
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.120	0.800
2:	0.158	0.623
3:	0.236	0.371
4:	-0.167	0.186
5:	0.700	0.301
6:	0.220	-0.445
7:	-0.137	-0.622
8:	-0.035	-1.070
9:	0.979	-0.800
10:	0.128	0.676



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498818. __0

TARGET NUMBER: 3

FILE DATE: 09/06/2007

FILE TIME: 22:59

X CENTROID: 0.220

Y CENTROID: -0.081

POA TO CENTROID: 0.234

HORZ SPREAD: 1.494

VERT SPREAD: 2.264

GROUP SPREAD: 2.276

MIN RADIUS: 0.116

MAX RADIUS: 1.381

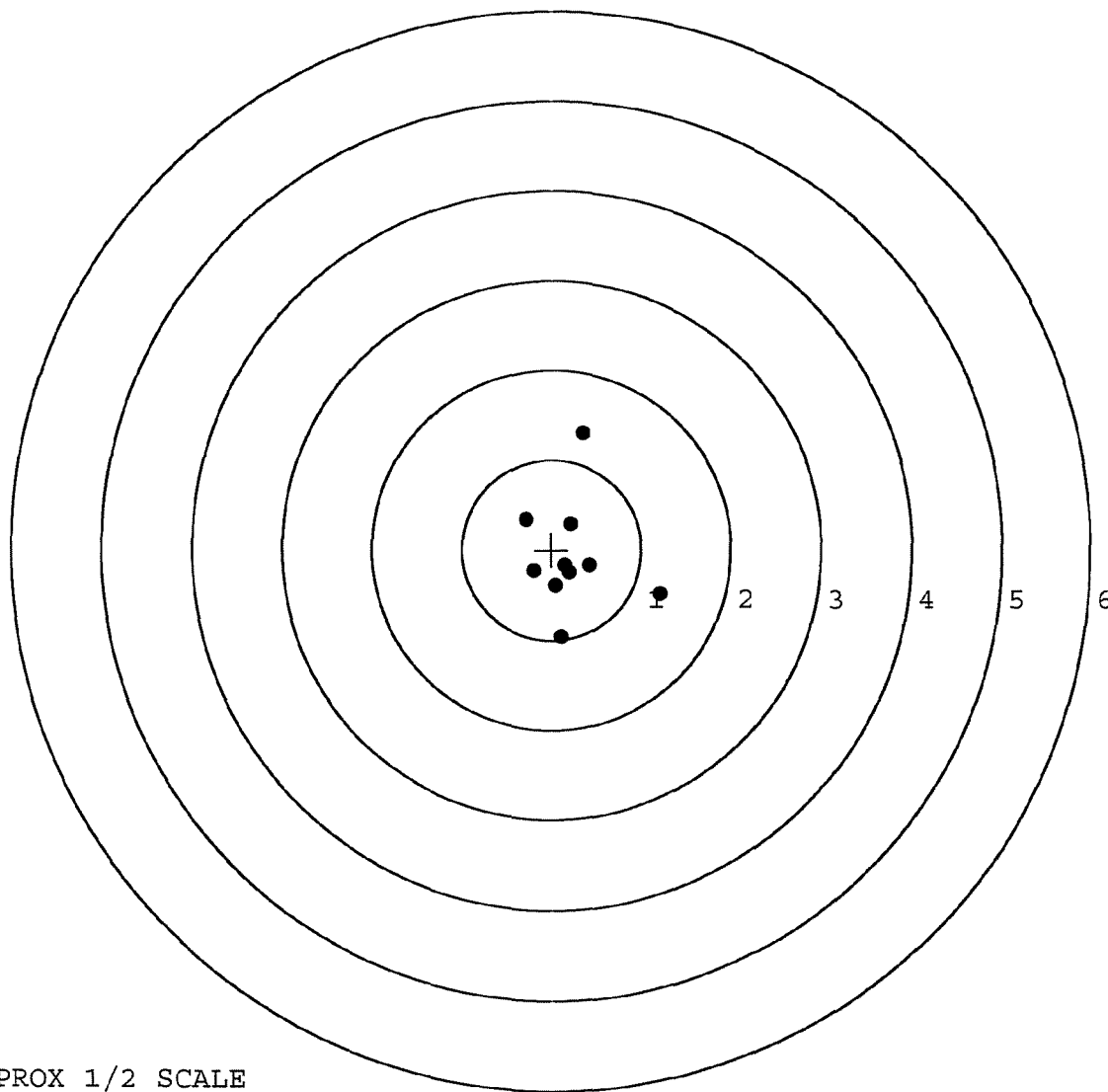
MEAN RADIUS: 0.571

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.287	0.337
2:	0.209	0.282
3:	0.424	-0.178
4:	0.153	-0.175
5:	0.044	-0.405
6:	-0.205	-0.236
7:	0.110	-0.970
8:	1.207	-0.499
9:	0.347	1.294
10:	0.198	-0.258

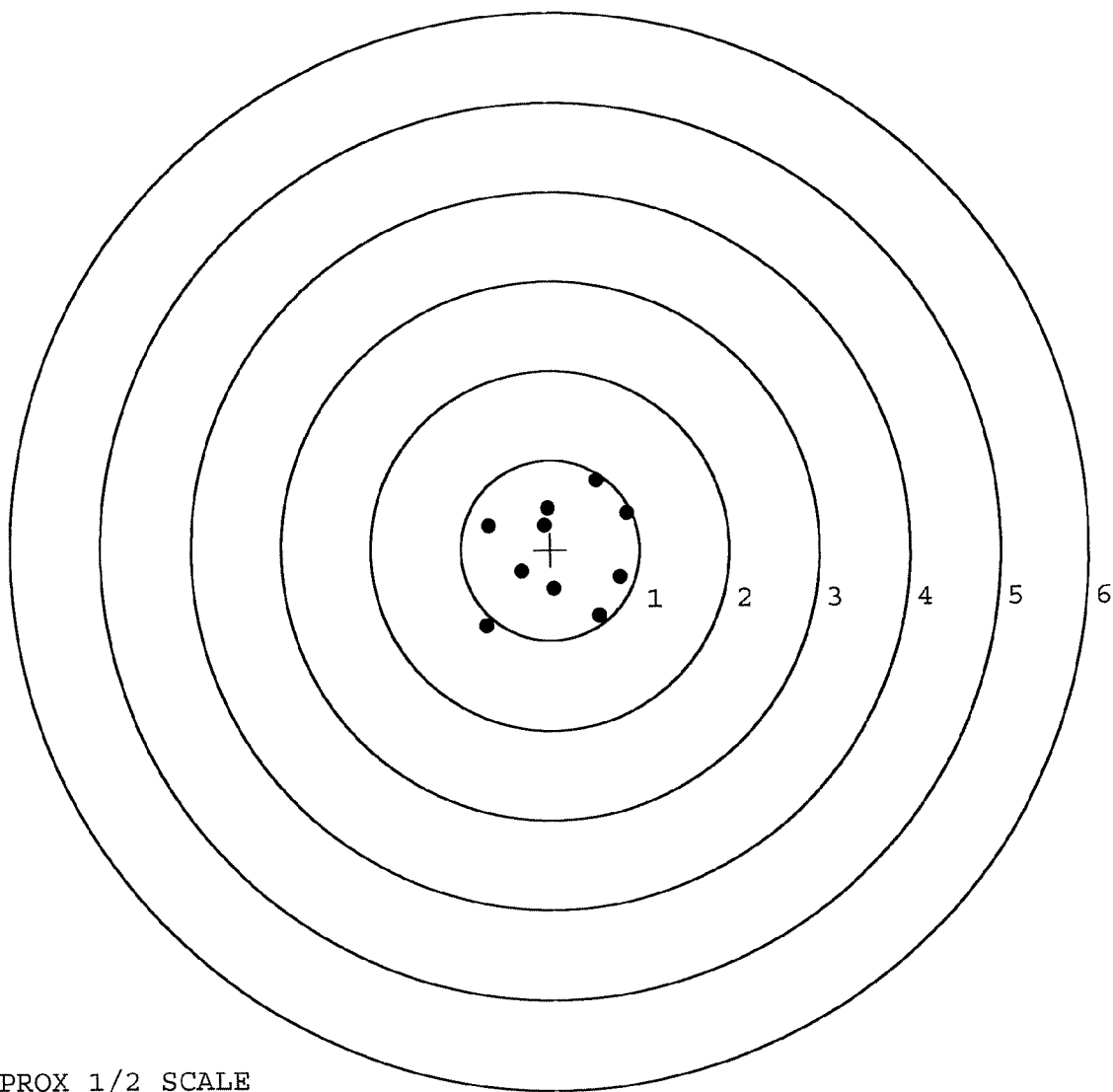


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498818. __0
TARGET NUMBER: 4
FILE DATE: 09/06/2007
FILE TIME: 22:59

X CENTROID: 0.089
Y CENTROID: -0.040
POA TO CENTROID: 0.097
HORZ SPREAD: 1.578
VERT SPREAD: 1.614
GROUP SPREAD: 2.037
MIN RADIUS: 0.349
MAX RADIUS: 1.144
MEAN RADIUS: 0.709
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.520	0.768
2:	0.855	0.404
3:	0.779	-0.310
4:	0.545	-0.737
5:	0.038	-0.438
6:	-0.072	0.270
7:	-0.030	0.462
8:	-0.693	0.271
9:	-0.331	-0.242
10:	-0.723	-0.846



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498818. 0

TARGET NUMBER: 5

FILE DATE: 09/06/2007

FILE TIME: 22:59

POINT#	X	Y
1:	-0.392	0.420
2:	-0.355	0.175
3:	0.275	0.292
4:	0.585	0.767
5:	0.688	0.145
6:	0.382	-0.772
7:	-0.103	-0.297
8:	-0.561	-0.747
9:	-0.342	-0.993
10:	0.192	0.315

X CENTROID: 0.037

Y CENTROID: -0.069

POA TO CENTROID: 0.079

HORZ SPREAD: 1.249

VERT SPREAD: 1.760

GROUP SPREAD: 1.989

MIN RADIUS: 0.267

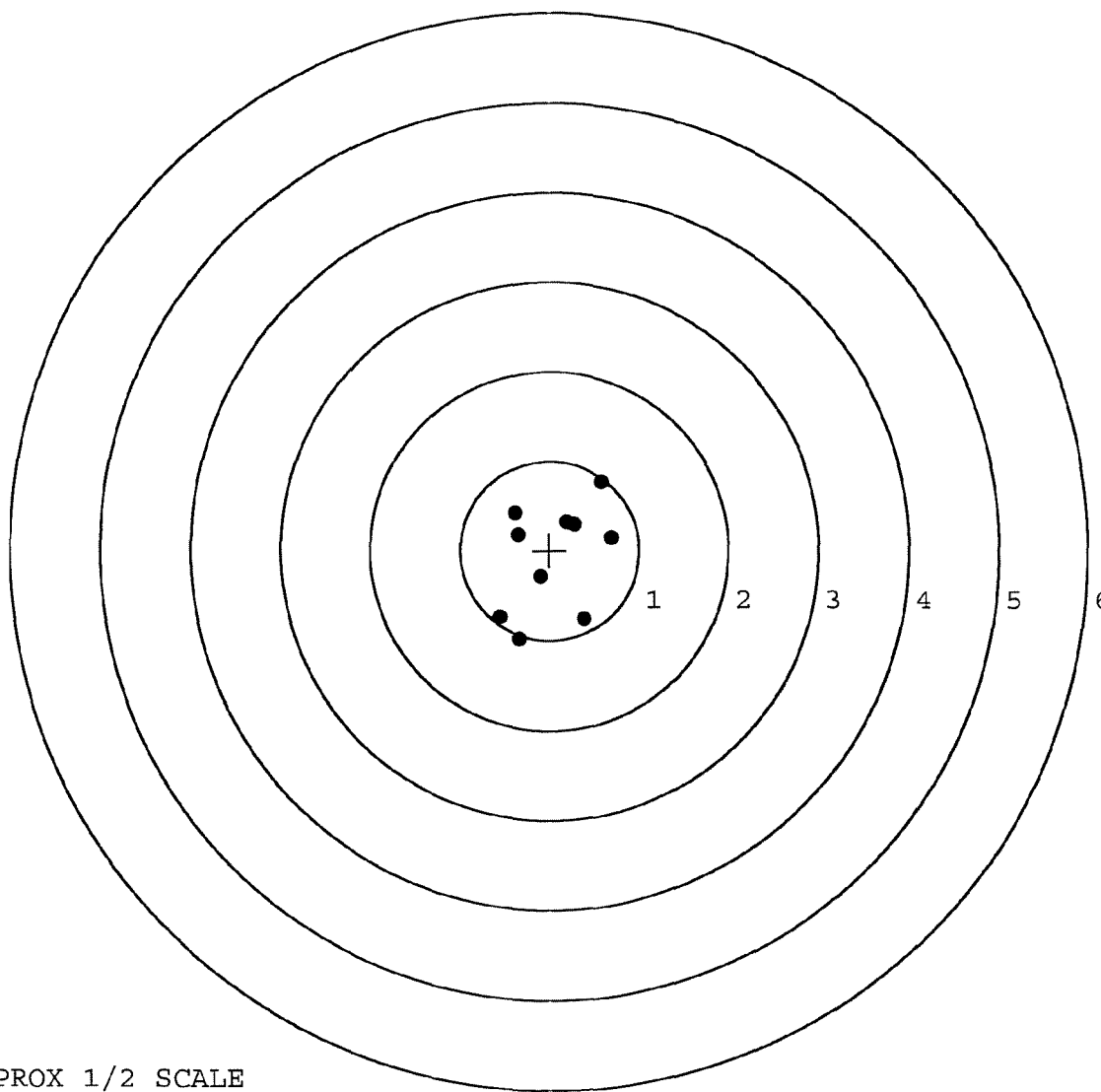
MAX RADIUS: 1.000

MEAN RADIUS: 0.660

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER <u>131742</u>			
SERIAL NUMBER <u>C6498818</u>			
LOG-IN DATE <u>7-25-07</u>			
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-14-07	RTZ
505	RE-BARREL	8-15-07	RTZ
560	ASSEMBLE	8-20-07	RTZ
600	PROOF	8-23-07	non
605	CHECK HEADSPACE	8-23-07	non
610	DIS-ASSEMBLE GUN	8-25-07	RTZ
612	MAGNAFLUX	8-30-07	JB
510	DRILL AND TAP	8-27-07	TRW
615	ROLLMARK CALIBER	8-28-07	CW
618	ROTO-BLAST	8-30-07	WY
620	APPLY COATINGS	8/31/07	RB
625	FINAL ASSEMBLY	9-6-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	9/6/07 non
650	TARGET	PASS FAIL	9/6/07 non
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-6-07	SD
	A) HEADSPACE	PASS FAIL	9-12-07 RA
	B) TRIGGER PULL	283 2.65 282 2.73 279	9-12-07 RTZ
680	F) SAFETY ON FORCE	45 42 42	9-12-07 RA
	G) SAFETY OFF FORCE	25 25 25	9-12-07 RA
	I) FIRING PIN INDENT	.023 .0235 .023	9-12-07 RA
690	PACK		10-8-07 RA

NMP COPY 2

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

USAPPC V1.10

Remington®



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

MODEL 700™ M24

SERIAL NO.
C6498810

ORDER NO.
5716

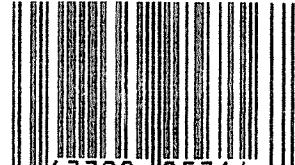
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

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5716 C6498810

UPC



0 47700 25716 7

23

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400008174

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498810

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		Ker
	Magnaflux Bolt	5-15-90		Ker
615	Rollmark Caliber	5-15-90		CS
617	Drill and Tap Sight Holes		5/17/90	WB
618	Polish Barrel RB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5-25-90	TA
	Apply Coating (Bolt)			TA
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/30/90	9M

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/30/90	WB
	G) Safety Off Force	2 3/4	2 3/4	2 1/2			5/30/90	WB
	H) Trigger Pull Test & Retainability						5/30/90	gH
	I) Firing Pin Indent	.024	.024	.024			5/30/90	WB
	J) Assemble Stock						6/7/90	RW
	K) Assemble Swivel Studs						4/15/90	gH
	L) Attach Front and Rear Sight Assemblies						6/7/90	RW
	M) Iron Sight Alignment						6/7/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/7/90	RW
	O) Attach Scope to Rifle						6/8/90	gH
	P) Detach & Attach Scope 20 Times						6/8/90	gH
640	Gallery Target & Test						6-8-90	AC
	A) Time						6-8-90	AC
	B) Malfunctions						6-8-90	AC
	C) Pierced Primers						6-8-90	AC
	D) Optical Clarity of Scope						6-8-90	AC
645	Inspect for Live Ammo						6-8-90	AC
655	Final Inspection							
	A) Headspace						6/15/90	gH
	B) Trigger Pull	2.43	2.56	2.55	2.67	2.60	6/14/90	gH
	C) Function						6/15/90	gH
660	Pack						6-20-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C 6498810

DATE 5/29/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.41	2.30	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.40	2.26	2.55	
PULL #3	2.13	2.51	2.42	2.55	
PULL #4	2.56	2.47	2.40	2.67	
PULL #5	2.47	2.27	2.32	2.60	
TOTAL	11.65	12.06	11.70		
AVG.	2.33	2.412	2.34		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.35		
PULL #2	3.42	3.35		
PULL #3	3.30	3.30		
PULL #4	3.33	3.30		
PULL #5	3.33	3.38		
TOTAL	16.52	16.68		
AVG.	3.304	3.336		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.18		4.22
PULL #2	4.15	4.24		4.13
PULL #3	4.49	4.15		4.20
PULL #4	4.55	4.14		4.15
PULL #5	4.36	4.15		4.14
TOTAL	21.75	20.86		20.84
AVG.	4.35	4.172		4.168

CENTROIDAL DISTANCES

Ø TO 1	.501544
1 TO 2	.84483
1 TO 3	.915871
1 TO 4	.283129
1 TO 5	.820993

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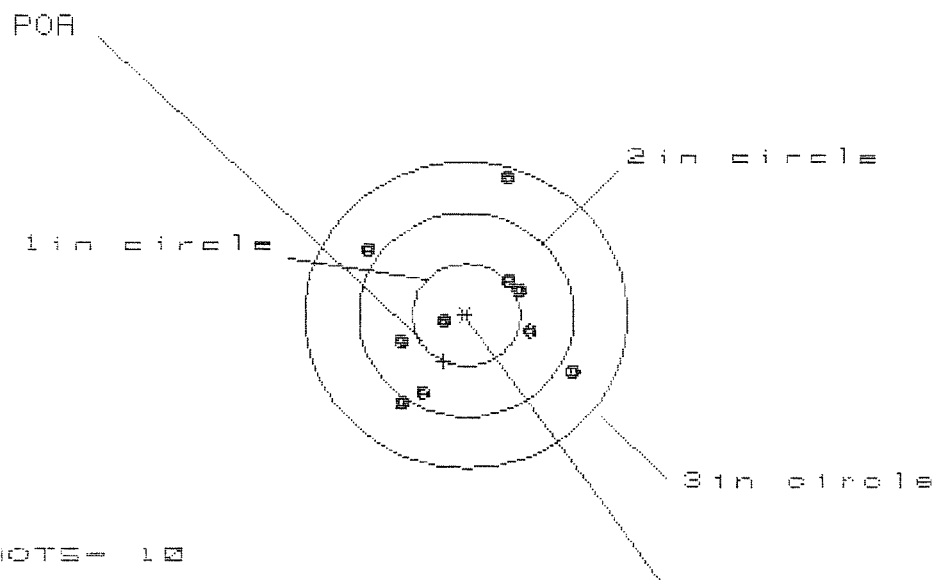
CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400008178

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS436810

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 1.860

VS= 2.195

GS= 2.396

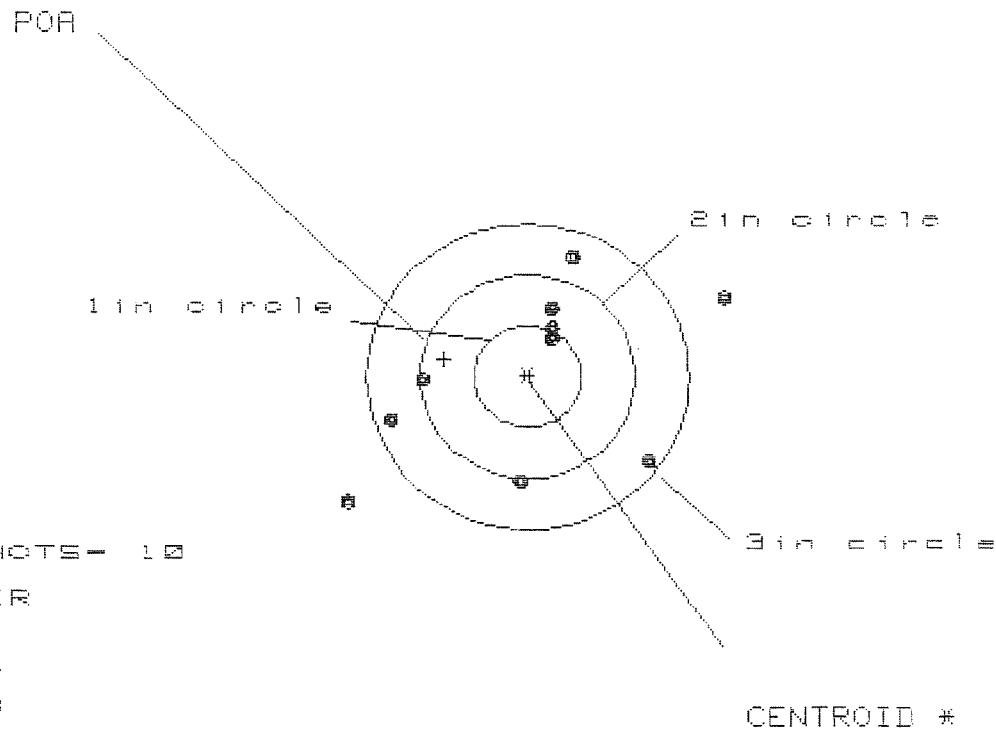
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.962	1.002	.894
MINIMUM X	-.898	-.858	-.724
MAXIMUM Y	1.387	.833	.575
MINIMUM Y	-.808	-.654	-.550
CENTROID X	.211	.171	.279
CENTROID Y	.455	.301	.197
POA TO CENTROID in.	.501	.346	.341
MIN RADIUS	.224	.189	.334
MEAN RADIUS	.812	.731	.675
MAX RADIUS	1.432	1.196	.941
HORIZONTAL SPREAD	1.860	1.860	1.618
VERTICAL SPREAD	2.195	1.487	1.125
EXTREME SPREAD	2.396	2.230	1.641
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B810

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 3.489

VS = 2.377

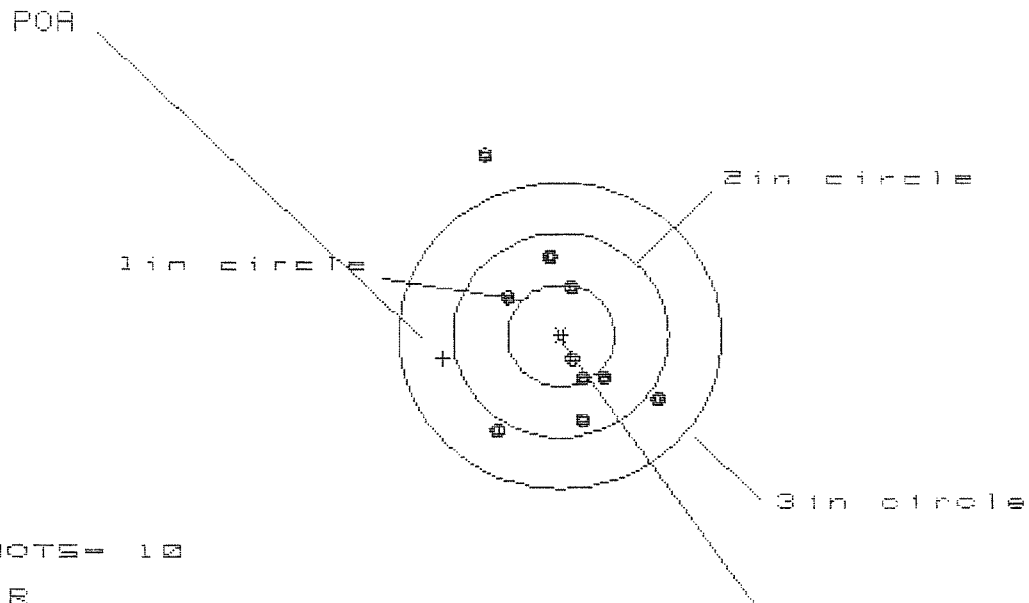
GS = 4.016

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.778	1.588	1.131
MINIMUM X	:	-1.711	-1.432	-1.233
MAXIMUM Y	:	1.174	1.041	1.122
MINIMUM Y	:	-1.203	-1.134	-1.053
CENTROID X	:	.775	.965	.766
CENTROID Y	:	-.174	-.041	-.122
POA TO CENTROID in.	:	.794	.966	.776
MIN RADIUS	:	.371	.191	.331
MEAN RADIUS	:	1.171	1.023	.950
MAX RADIUS	:	2.091	1.717	1.456
HORIZONTAL SPREAD	:	3.489	3.020	2.365
VERTICAL SPREAD	:	2.377	2.175	2.175
EXTREME SPREAD	:	4.016	3.257	2.404
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498810

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.591

VS= 2.668

GS= 2.938

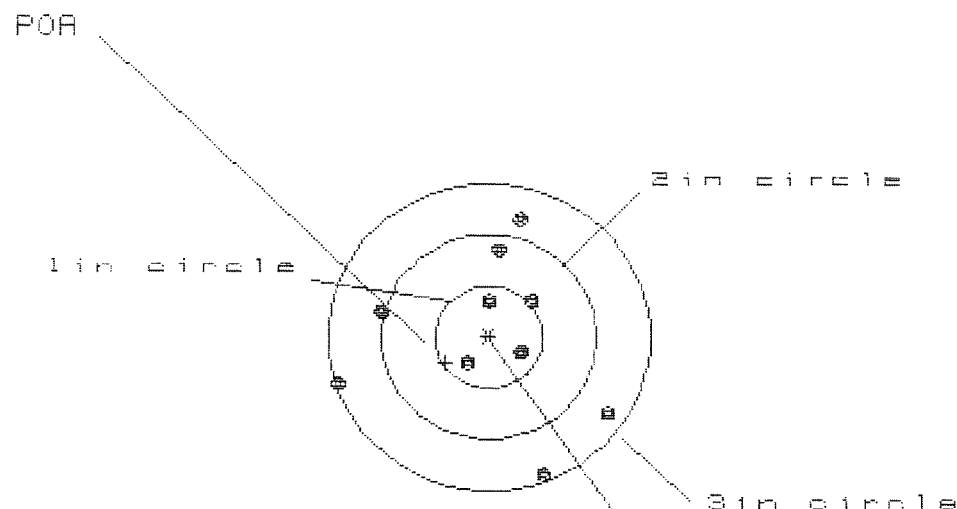
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.934	.861	.443
MINIMUM X	:	-.657	-.713	-.605
MAXIMUM Y	:	1.789	1.019	.960
MINIMUM Y	:	-.879	-.681	-.740
CENTROID X	:	1.097	1.170	1.062
CENTROID Y	:	.223	.025	.084
POA TO CENTROID in.	:	1.119	1.170	1.065
MIN RADIUS	:	.217	.033	.149
MEAN RADIUS	:	.828	.655	.634
MAX RADIUS	:	1.905	1.033	.962
HORIZONTAL SPREAD	:	1.591	1.574	1.048
VERTICAL SPREAD	:	2.668	1.700	1.700
EXTREME SPREAD	:	2.938	1.810	1.786
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08438810

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS = 2.471

VS = 2.554

GS = 2.564

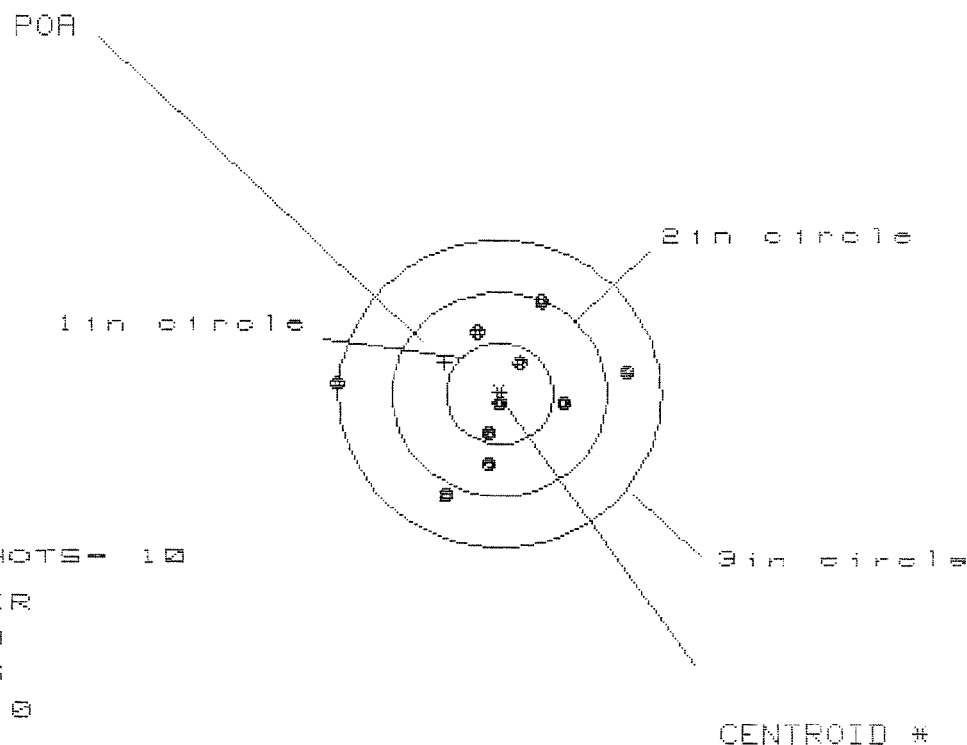
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.051	.893	.933
MINIMUM X	:	-1.420	-1.129	-1.089
MAXIMUM Y	:	1.189	1.139	.963
MINIMUM Y	:	-1.365	-1.415	-.988
CENTROID X	:	.402	.560	.520
CENTROID Y	:	.246	.296	.472
POA TO CENTROID in.	:	.471	.633	.703
MIN RADIUS	:	.324	.242	.166
MEAN RADIUS	:	.888	.801	.695
MAX RADIUS	:	1.490	1.451	1.359
HORIZONTAL SPREAD	:	2.471	2.022	2.022
VERTICAL SPREAD	:	2.554	2.554	1.951
EXTREME SPREAD	:	2.564	2.564	2.260
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498010

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.605

VS= 1.901

GS= 2.605

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.142	.979	.567
MINIMUM X	:	-1.463	-.644	-.521
MAXIMUM Y	:	.958	.973	.996
MINIMUM Y	:	-.944	-.928	-.905
CENTROID X	:	.509	.672	.549
CENTROID Y	:	-.310	-.326	-.348
PORA TO CENTROID in.	:	.596	.747	.651
MIN RADIUS	:	.066	.164	.043
MEAN RADIUS	:	.742	.655	.594
MAX RADIUS	:	1.470	1.130	1.057
HORIZONTAL SPREAD	:	2.605	1.623	1.088
VERTICAL SPREAD	:	1.901	1.901	1.901
EXTREME SPREAD	:	2.605	2.093	2.093
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			10	