

TM
C6498760

Start date)
6/22/87

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00124474

Serial: C6498760 Model M24 SWS Center Fire

Repairman:

Verify Repair

Status:

New 1/30/2007 9:54:42 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: USFPO FOR COLORADO

USFPO FOR COLORADO

Address 1: 1181 KILMER STREET

1181 KILMER STREET

Address 2:

PO Box:

PO Box:

City: GOLDEN

GOLDEN

State: CO

Zip Code: 80401

Country: US

State: CO

Zip Code: 80401

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	2

Repair Search

Refresh

Close

maglet

1/30/2007

11:03 AM

CAPS

NUM

INS

SOL



Serial Number: C6498760

Model: M24 SWS



RE00124474

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498760.___0
FILE DATE AND TIME: 03/02/2007 15:09

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.002
The Average Y Centroid of the Five Target Set:	-0.067
The Average Point of Impact of the Five Target Set:	0.067
The Average Mean Radius of the Five Target Set:	0.566
The Distance from POA to Centroid Target #1:	0.123
The Distance from Centroid Target #2 to Centroid Target #1:	0.128
The Distance from Centroid Target #3 to Centroid Target #1:	0.119
The Distance from Centroid Target #4 to Centroid Target #1:	0.083
The Distance from Centroid Target #5 to Centroid Target #1:	0.179

SERIAL NUMBER: C6498760. __0

TARGET NUMBER: 1

FILE DATE: 03/02/2007

FILE TIME: 15:09

POINT#	X	Y
1:	0.554	0.931
2:	0.308	0.781
3:	0.015	0.773
4:	-0.202	0.362
5:	-0.126	-0.069
6:	0.281	-0.385
7:	-0.042	-0.638
8:	-0.324	-1.007
9:	-0.432	-1.664
10:	-0.002	-0.309

X CENTROID: 0.003

Y CENTROID: -0.122

POA TO CENTROID: 0.123

HORZ SPREAD: 0.986

VERT SPREAD: 2.595

GROUP SPREAD: 2.776

MIN RADIUS: 0.140

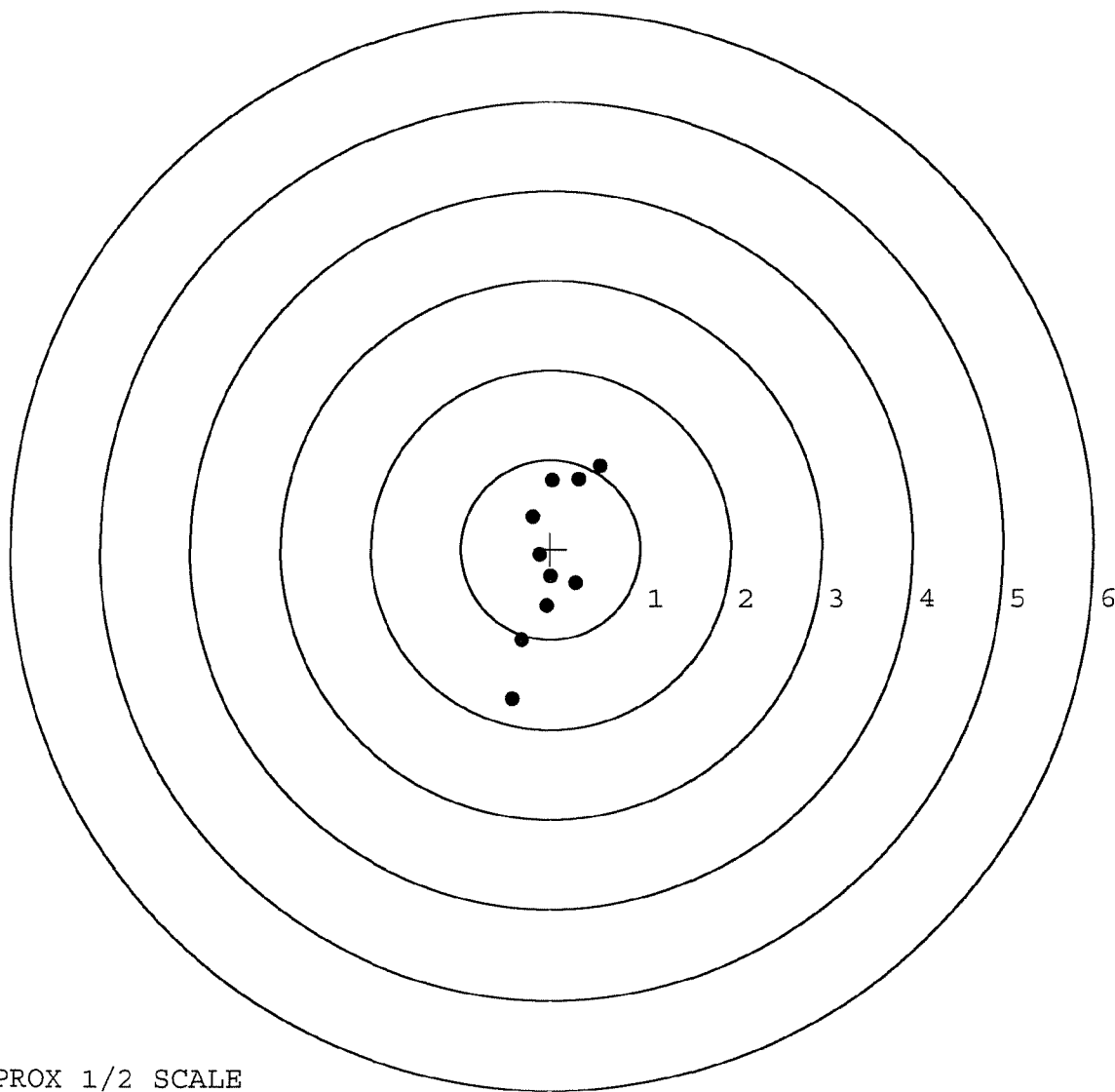
MAX RADIUS: 1.602

MEAN RADIUS: 0.733

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498760. __0

TARGET NUMBER: 2

FILE DATE: 03/02/2007

FILE TIME: 15:09

POINT#	X	Y
--------	---	---

1:	0.675	0.652
----	-------	-------

2:	0.402	0.301
----	-------	-------

3:	0.396	-0.317
----	-------	--------

4:	0.042	-0.517
----	-------	--------

5:	-0.006	-0.345
----	--------	--------

6:	-0.095	0.054
----	--------	-------

7:	-0.324	0.309
----	--------	-------

8:	-0.536	-0.021
----	--------	--------

9:	-0.761	0.256
----	--------	-------

10:	-0.029	-0.347
-----	--------	--------

X CENTROID: -0.024

Y CENTROID: 0.002

POA TO CENTROID: 0.024

HORZ SPREAD: 1.436

VERT SPREAD: 1.169

GROUP SPREAD: 1.490

MIN RADIUS: 0.088

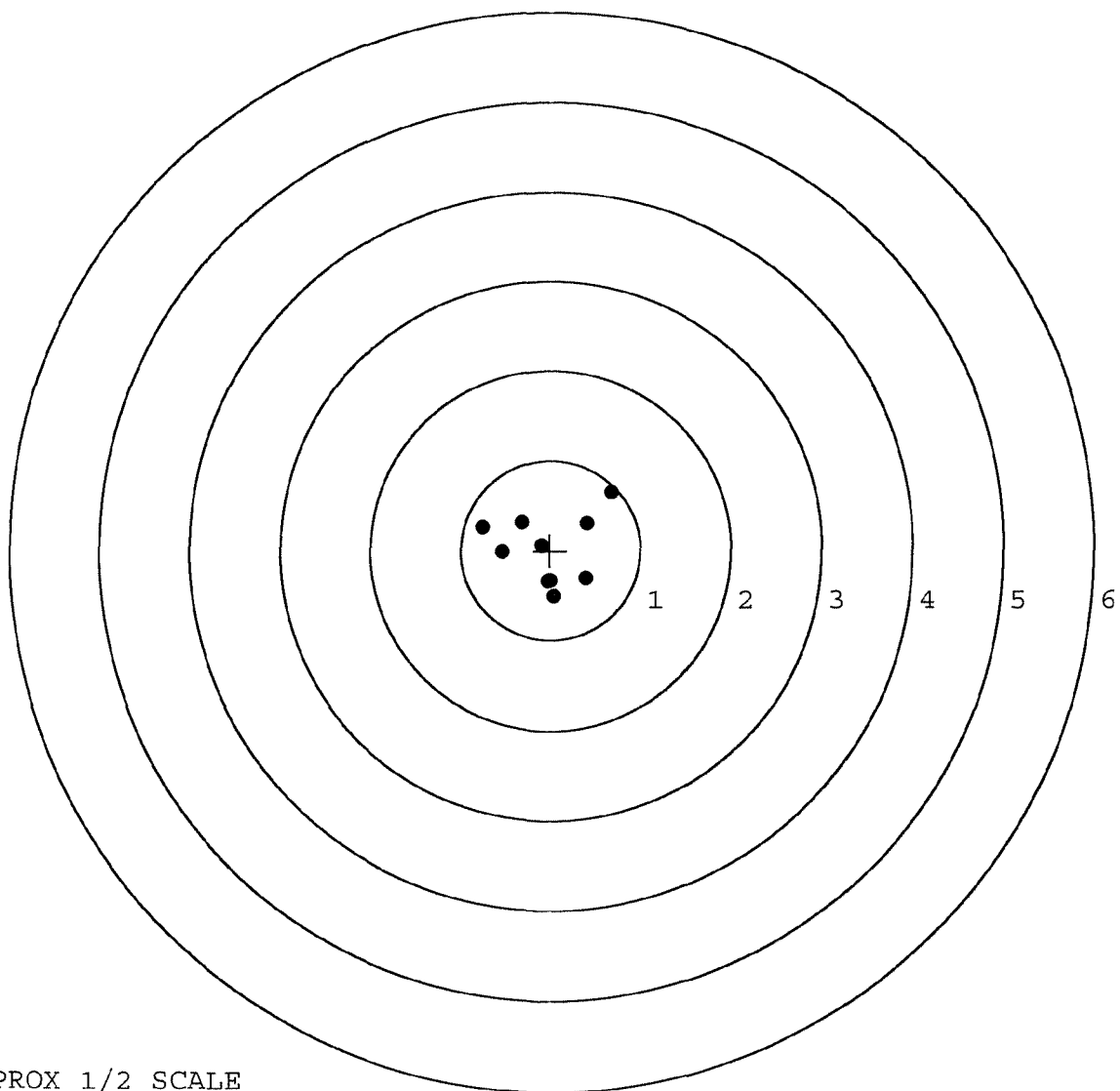
MAX RADIUS: 0.954

MEAN RADIUS: 0.503

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498760.___0

TARGET NUMBER: 3

FILE DATE: 03/02/2007

FILE TIME: 15:09

POINT#	X	Y
1:	-0.384	-1.048
2:	0.650	-0.485
3:	0.430	0.133
4:	-0.341	0.772
5:	-0.515	0.253
6:	-0.167	-0.235
7:	-0.344	0.144
8:	-0.187	0.081
9:	0.058	0.093
10:	-0.046	-0.125

X CENTROID: -0.085

Y CENTROID: -0.042

POA TO CENTROID: 0.094

HORZ SPREAD: 1.165

VERT SPREAD: 1.820

GROUP SPREAD: 1.821

MIN RADIUS: 0.092

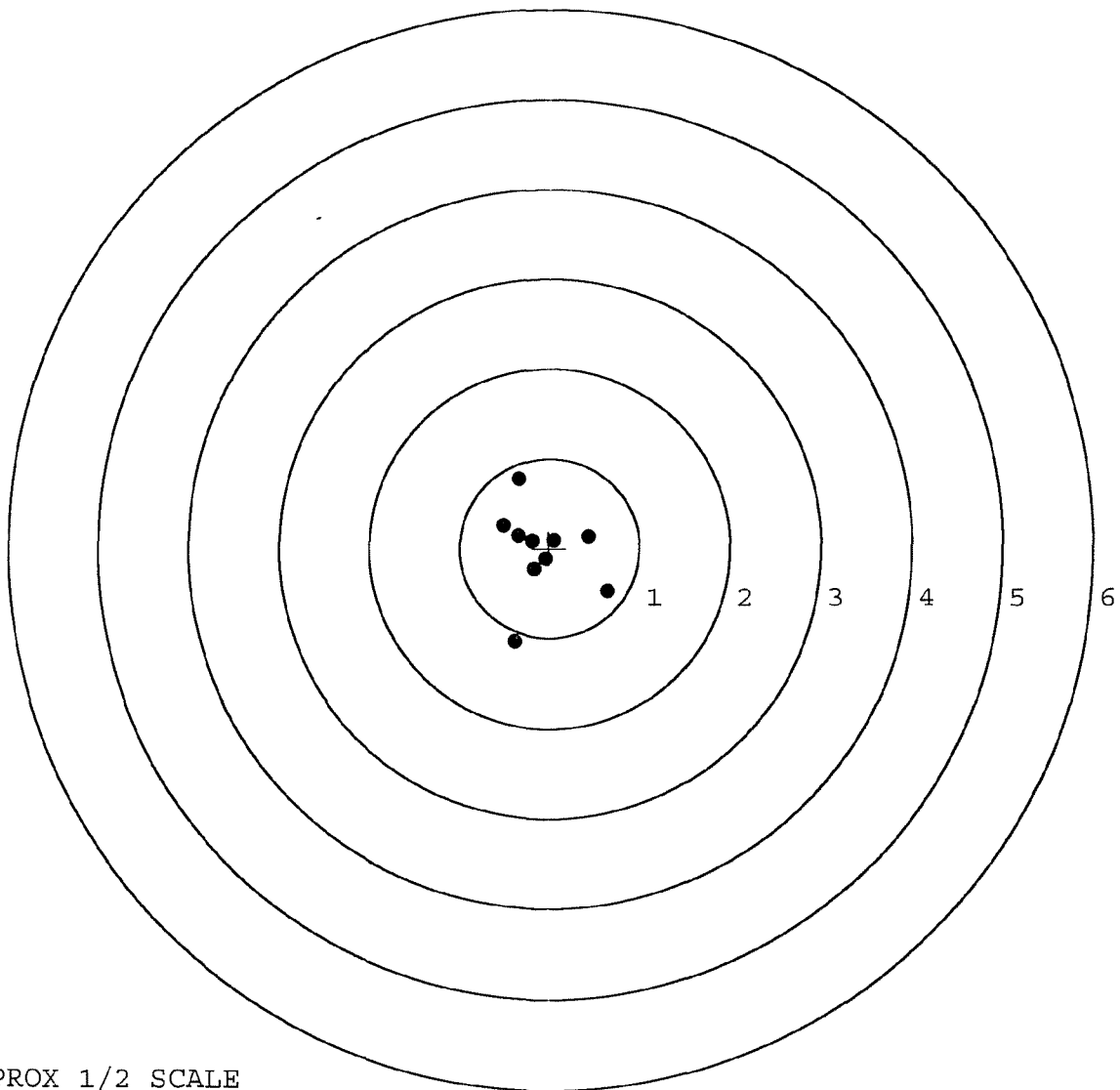
MAX RADIUS: 1.050

MEAN RADIUS: 0.480

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498760. __0

TARGET NUMBER: 4

FILE DATE: 03/02/2007

FILE TIME: 15:09

POINT#	X	Y
1:	-0.501	-0.734
2:	-0.919	-0.083
3:	-0.366	0.120
4:	0.465	0.356
5:	-0.112	0.291
6:	0.391	-0.893
7:	0.449	-0.500
8:	0.153	-0.559
9:	0.144	-0.163
10:	0.281	0.115

X CENTROID: -0.002

Y CENTROID: -0.205

POA TO CENTROID: 0.205

HORZ SPREAD: 1.384

VERT SPREAD: 1.249

GROUP SPREAD: 1.540

MIN RADIUS: 0.151

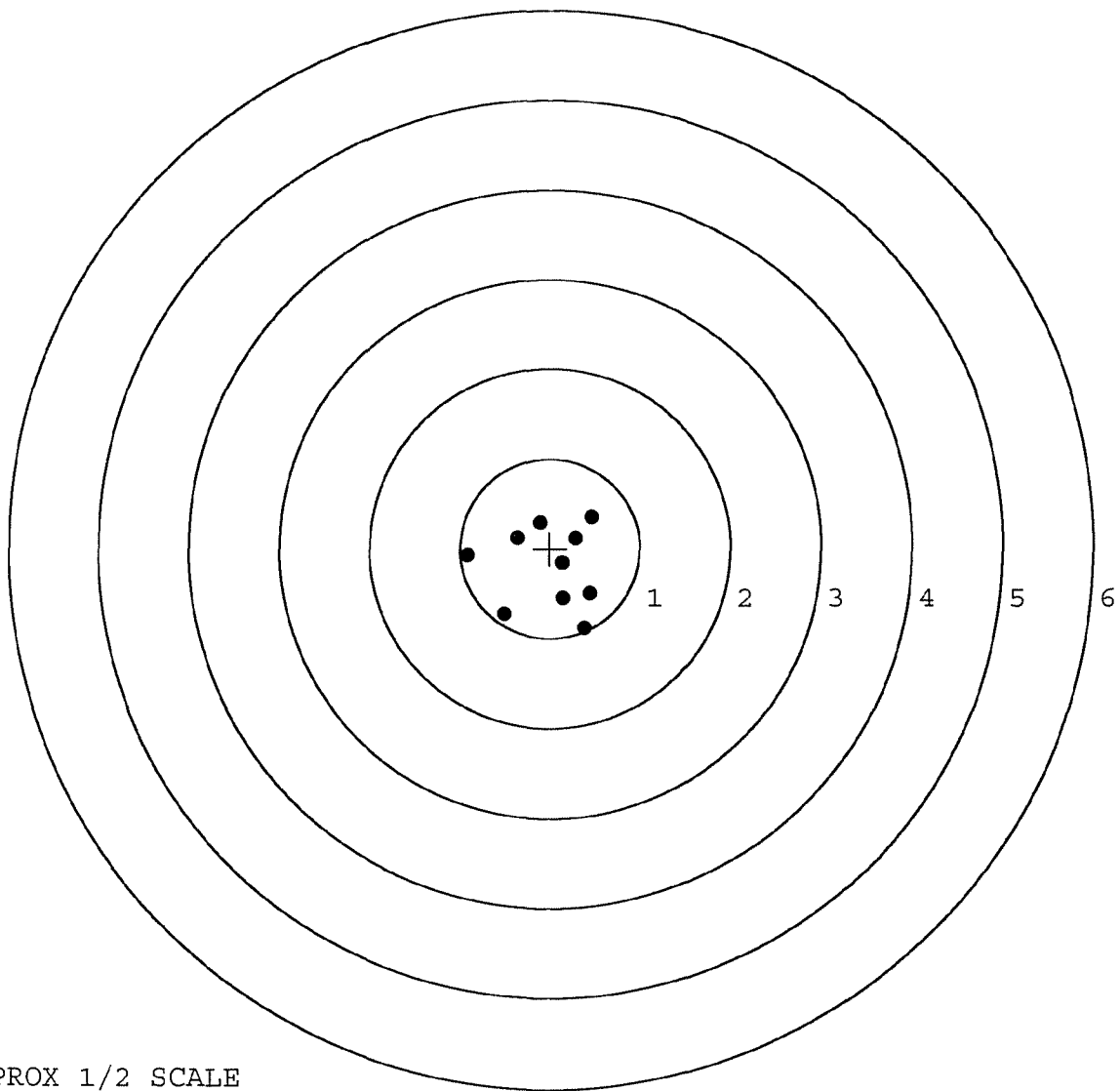
MAX RADIUS: 0.926

MEAN RADIUS: 0.567

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498760. __0

TARGET NUMBER: 5

FILE DATE: 03/02/2007

FILE TIME: 15:09

POINT#	X	Y
1:	0.759	0.237
2:	0.534	-0.010
3:	0.573	-0.330
4:	0.195	-0.296
5:	-0.197	-0.498
6:	0.103	0.251
7:	-0.258	0.322
8:	-0.463	0.249
9:	-0.887	0.257
10:	0.591	0.134

X CENTROID: 0.095

Y CENTROID: 0.032

POA TO CENTROID: 0.100

HORZ SPREAD: 1.646

VERT SPREAD: 0.820

GROUP SPREAD: 1.646

MIN RADIUS: 0.220

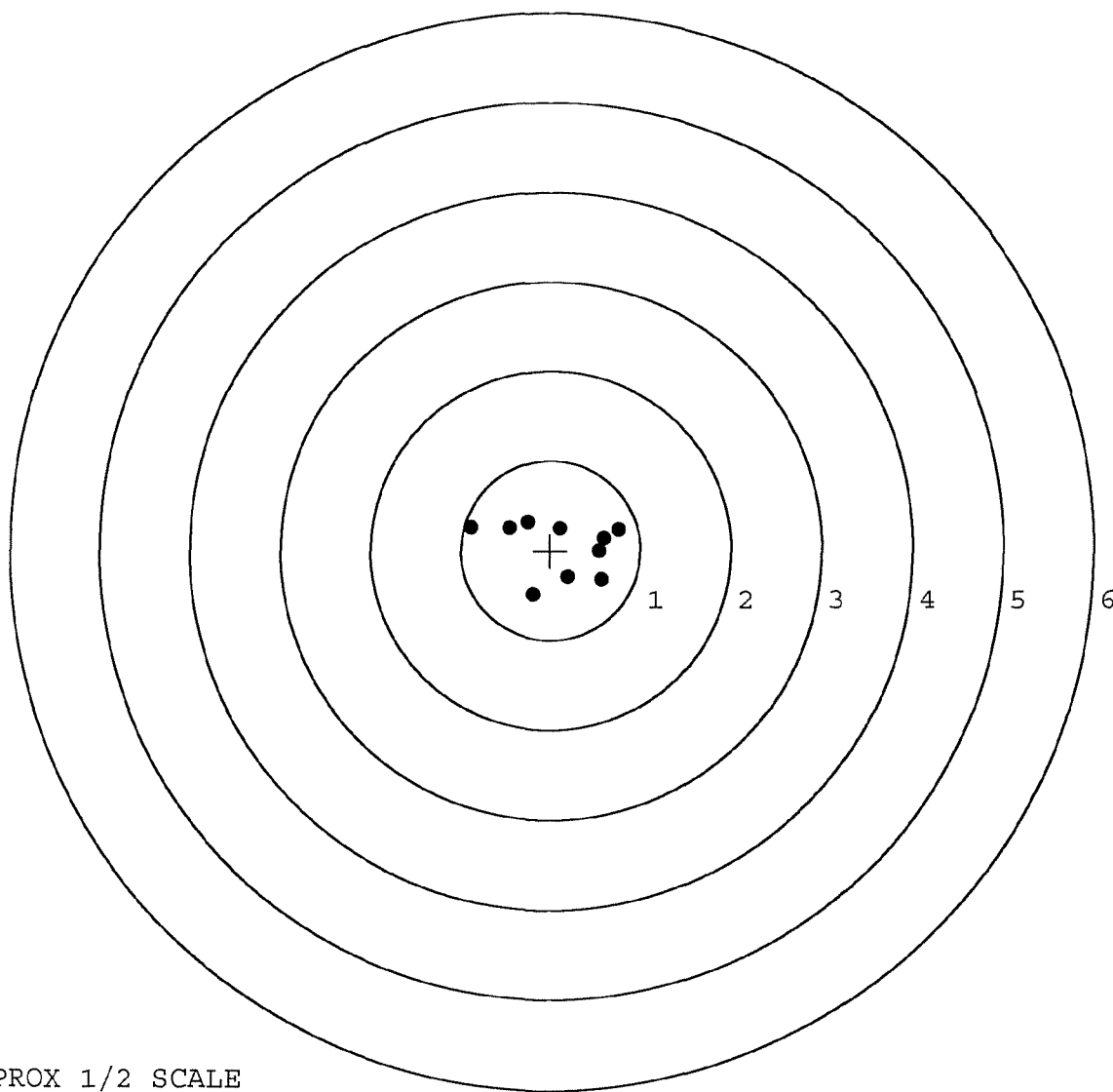
MAX RADIUS: 1.008

MEAN RADIUS: 0.547

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	124474			
SERIAL NUMBER	06498768			
LOG-IN DATE	1-30-07			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		2-6-07	RTZ
505	RE-BARREL		2-7-07	RTZ
560	ASSEMBLE		2-7-07	RTZ
600	PROOF		2-7-07	Fm
605	CHECK HEADSPACE	INSPECTED	2-7-07	Fm
610	DIS-ASSEMBLE GUN	FEB 13 2007	2-7-07	RTZ
612	MAGNAFLUX	OPERATOR (CPA)	2-13-07	ARD
510	DRILL AND TAP		2-12-07	TRW
615	ROLLMARK CALIBER		2-13-07	C.W
618	ROTO-BLAST		2-13-07	LB
620	APPLY COATINGS		2-14-07	WZ
625	FINAL ASSEMBLY		3-1-07	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	3-2-07	TRW
650	TARGET	(PASS) FAIL	3-2-07	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	3-2-07	Fm
670	FINAL INSPECTION		3/6/07	non
	A) HEADSPACE	(PASS) FAIL	3/6/07	non
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.72 2.47 2.78 2.76 2.78	3/6/07 non
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6.0 6.0 6.0	3/6/07 non
	G) SAFETY OFF FORCE	2 LBS MIN	3.0 3.0 3.0	3/6/07 non
	I) FIRING PIN INDENT	.020	.024 .024 .024	3/6/07 non
690	PACK		3907	DA



MODEL 700™ M24

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

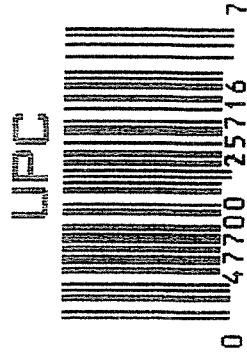
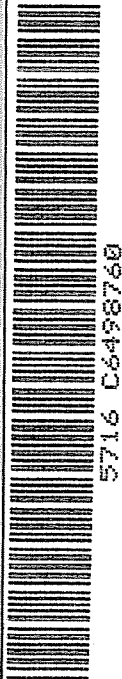
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.



Reg. U.S. Pat. & Tm. Off.

SERIAL NO.
C6498760

ORDER NO.
5716



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498760

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2	90	RW
600	Proof	5 2	90	RW
607	Check Headspace	5 2	90	RW
610	Dis-assemble Gun	5 2	90	RW
612	Magnaflux Barrel Action	5-8-90		KCR
	Magnaflux Bolt	5-8-90		KCR
615	Rollmark Caliber		5/8/90	CS
617	Drill and Tap Sight Holes		5/9/90	FB
618	Polish Barrel RB		5/10/90	CSB
620	Apply Coatings (Barrel Action)		5-16-90	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/18/90	RW
	C) Inspect Ejector Hole for Chamfer		5/18/90	RW
	D) Oil Firing Pin Ass'y		5/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/21/90	SL

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5 1/2	6	6	5/31/90	WB		
	G) Safety Off Force	7 1/2	7 1/2	7 1/2	5/31/90	WB		
	H) Trigger Pull Test & Retainability				5/21/90	99		
	I) Firing Pin Indent	.023	.0235	.0235	5/31/90	WB		
	J) Assemble Stock				5/21/90	RW		
	K) Assemble Swivel Studs				24 May 90	99		
	L) Attach Front and Rear Sight Assemblies				5/21/90	RW		
	M) Iron Sight Alignment				5/21/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				5/21/90	RW		
	O) Attach Scope to Rifle				5/31/90	WB		
	P) Detach & Attach Scope 20 Times				5/31/90	WB		
640	Gallery Target & Test				5-22-90	AC		
	A) Time				5-22-90	AC		
	B) Malfunctions				5-22-90	AC		
	C) Pierced Primers				5-22-90	AC		
	D) Optical Clarity of Scope				5-22-90	AC		
645	Inspect for Live Ammo				5-22-90	AC		
655	Final Inspection							
	A) Headspace				24 May 90	99		
	B) Trigger Pull	259	270	277	272	288	24 May 90	99
	C) Function						24 May 90	99
660	Pack						6-9-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO 26498760

DATE 5/21/90

TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.37	2.22	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.33	2.26	2.70	
PULL #3	2.35	2.15	2.30	2.72	
PULL #4	2.43	2.09	2.15	2.77	
PULL #5	2.50	2.21	2.20	2.88	
TOTAL	11.98	11.15	11.13		
AVG.	2.396	2.23	2.226		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.53	3.30		
PULL #2	3.20	3.21		
PULL #3	3.31	3.22		
PULL #4	3.12	3.27		
PULL #5	3.20	3.30		
TOTAL	16.36	16.30		
AVG.	3.272	3.26		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.51		4.39
PULL #2	4.46	4.31		4.39
PULL #3	4.44	4.35		4.39
PULL #4	4.21	4.29		4.38
PULL #5	4.12	4.32		4.43
TOTAL	21.66	21.78		21.98
AVG.	4.332	4.356		4.396

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06498760
23 May 1990

CENTROIDAL DISTANCES

0 TO	1	.36193
1 TO	2	.474318
1 TO	3	.344646
1 TO	4	.694275
1 TO	5	1.11516

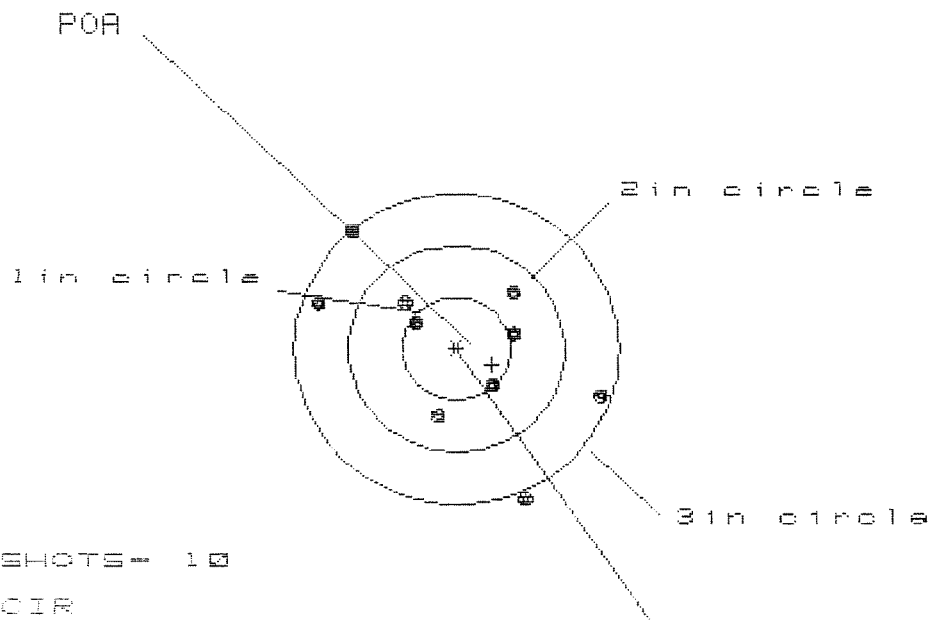
$\frac{1}{5} \sum_{i=1}^5$ <-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .109
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.07
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .129541
THE AMR FOR THIS RIFLE IS: .9716

22 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C843B760

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.558

VS= 2.604

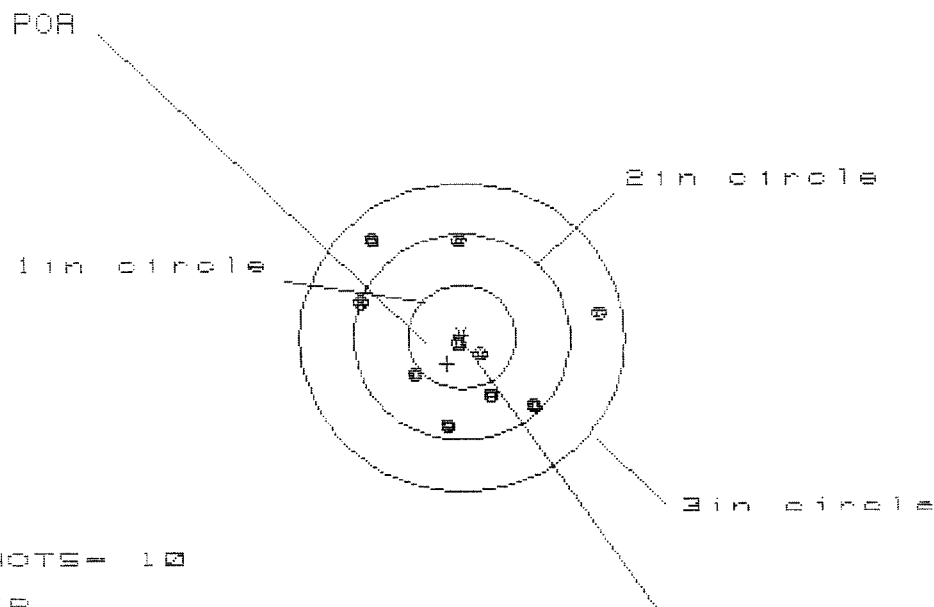
GS= 3.081

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.286	1.358	1.241
MINIMUM X	:	-1.272	-1.200	-1.317
MAXIMUM Y	:	1.146	.985	.492
MINIMUM Y	:	-1.458	-.842	-.719
CENTROID X	:	-.328	-.400	-.283
CENTROID Y	:	.153	.314	.191
POA TO CENTROID in.	:	.362	.509	.342
MIN RADIUS	:	.442	.308	.461
MEAN RADIUS	:	.948	.863	.792
MAX RADIUS	:	1.594	1.500	1.392
HORIZONTAL SPREAD	:	2.558	2.558	2.558
VERTICAL SPREAD	:	2.604	1.827	1.211
EXTREME SPREAD	:	3.081	2.804	2.735
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

22 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B760

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.187

VS= 1.798

GS= 2.265

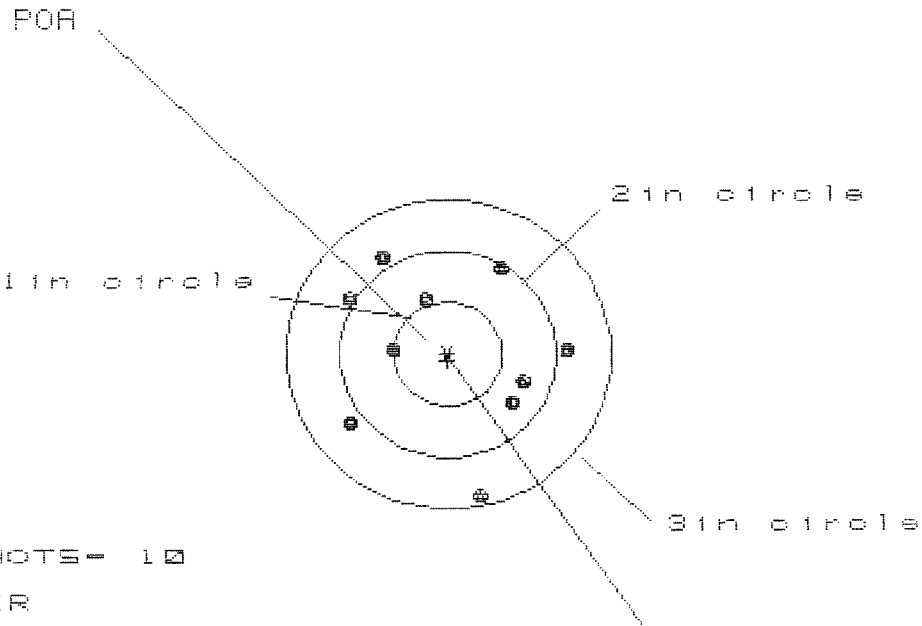
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.256	1.161	.760
MINIMUM X	:	-.931	-1.026	-.881
MAXIMUM Y	:	.973	1.081	1.130
MINIMUM Y	:	-.825	-.717	-.668
CENTROID X	:	.135	.230	.084
CENTROID Y	:	.256	.148	.100
POR TO CENTROID in.	:	.290	.273	.131
MIN RADIUS	:	.031	.107	.138
MEAN RADIUS	:	.776	.696	.620
MAX RADIUS	:	1.295	1.225	1.130
HORIZONTAL SPREAD	:	2.187	2.187	1.641
VERTICAL SPREAD	:	1.798	1.798	1.798
EXTREME SPREAD	:	2.265	2.189	1.942
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

22 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CS49B760

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 10

HS= 2.053

VS= 2.351

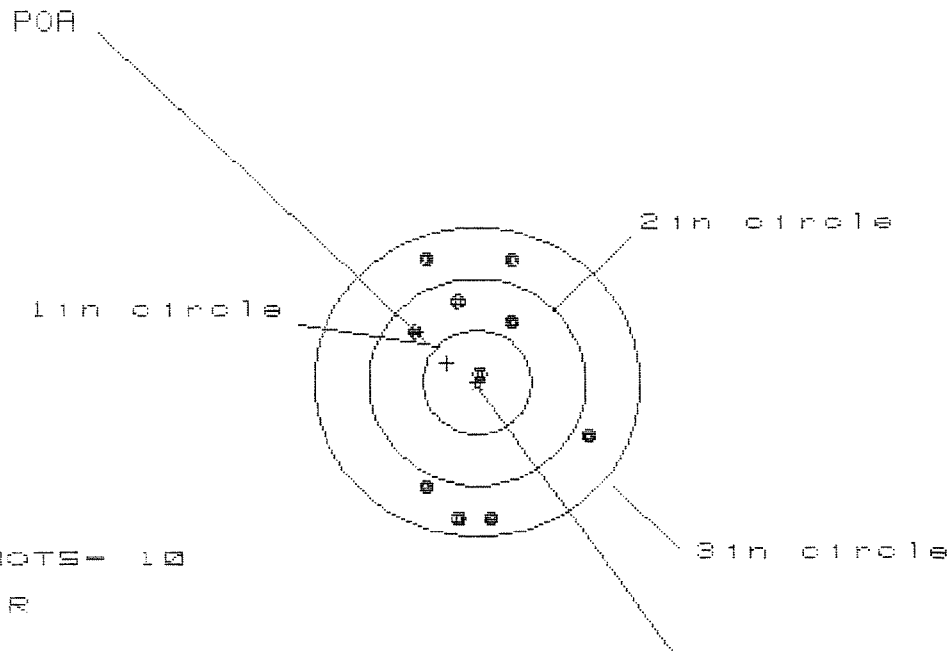
GS= 2.512

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.114	1.149	1.036
MINIMUM X	:	-.939	-.904	-.991
MAXIMUM Y	:	.946	.790	.682
MINIMUM Y	:	-1.405	-.871	-.695
CENTROID X	:	.006	-.029	.084
CENTROID Y	:	.068	.225	.333
POA TO CENTROID in.	:	.069	.226	.344
MIN RADIUS	:	.547	.449	.423
MEAN RADIUS	:	.944	.870	.812
MAX RADIUS	:	1.439	1.255	1.067
HORIZONTAL SPREAD	:	2.053	2.053	2.027
VERTICAL SPREAD	:	2.351	1.661	1.377
EXTREME SPREAD	:	2.512	2.177	2.084
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

22 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498760

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS= 1.532

VS= 2.508

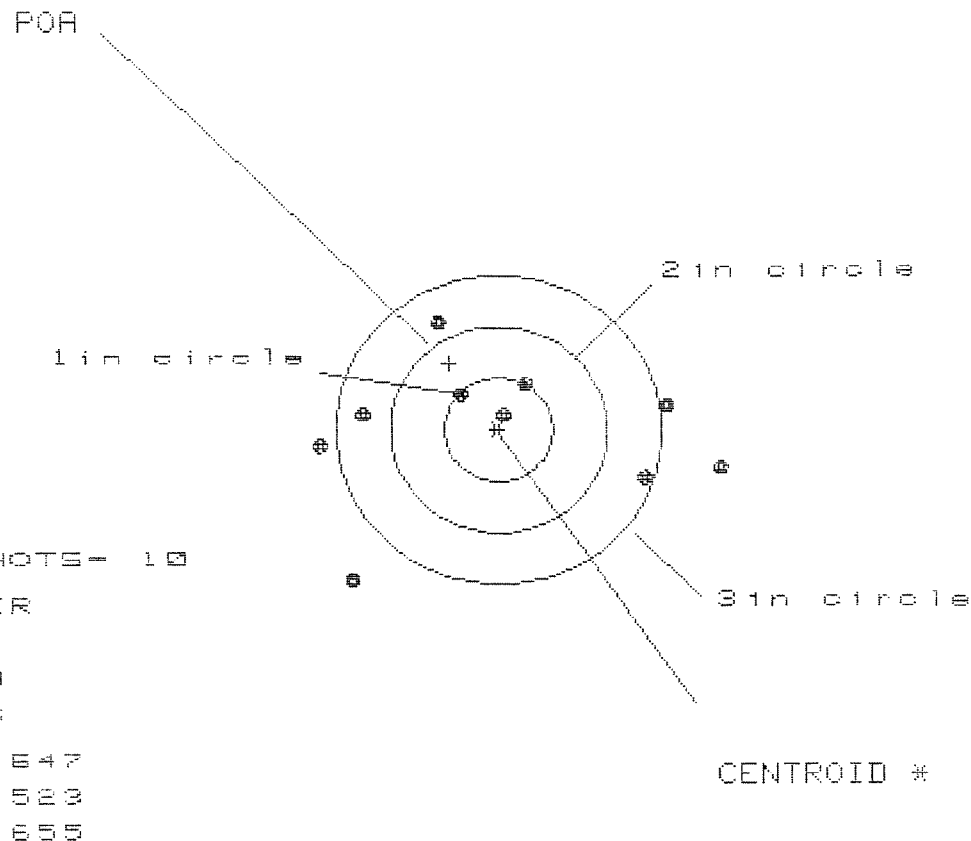
GS= 2.550

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.974	.951	.967
MINIMUM X	:	-.558	-.581	-.565
MAXIMUM Y	:	1.146	.994	.811
MINIMUM Y	:	-1.363	-1.468	-1.328
CENTROID X	:	.279	.302	.286
CENTROID Y	:	-.184	-.032	.151
POA TO CENTROID in.	:	.334	.303	.323
MIN RADIUS	:	.107	.066	.247
MEAN RADIUS	:	.954	.871	.765
MAX RADIUS	:	1.378	1.473	1.414
HORIZONTAL SPREAD	:	1.532	1.532	1.532
VERTICAL SPREAD	:	2.509	2.462	2.139
EXTREME SPREAD	:	2.550	2.531	2.270
NUMBER IN ONE INCH CIRCLE =		1		
NUMBER IN TWO INCH CIRCLE =		4		
NUMBER IN THREE INCH CIRCLE =		10		

22 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498760

CENTERFIRE PATTERNS # 5



PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	2.028
MINIMUM X	-1.619
MAXIMUM Y	1.058
MINIMUM Y	-1.465
CENTROID X	.453
CENTROID Y	-.643
POA TO CENTROID in.	.787
MIN RADIUS	.132
MEAN RADIUS	1.236
MAX RADIUS	2.068
HORIZONTAL SPREAD	3.647
VERTICAL SPREAD	2.523
EXTREME SPREAD	3.655
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	3
NUMBER IN THREE INCH CIRCLE =	6