

C6348784

MODEL 700TM M24

Model SMSTM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington.

Repair Inquiry

Repair Number: RE00139817

Serial: C6348784 Model M24 SWS Center Fire
Caliber: 6.25 NATO Produced: 12/13/1989

Repairman:

Verify Repair

Status:

Closed 1/15/2008 5:20:55 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: 8TH DESERT STORM

8TH DESERT STORM

Address 1: ISD ARMSROOM

ISD ARMSROOM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

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
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

1/16/2008

9:17 AM

NUM



Microsoft Office O...

McMaster-Carr Win

Arms Services Repair

Serial Number:

C6348784

Model: M24 SWS



RE00139817

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348784.___0
FILE DATE AND TIME: 02/05/2008 07:40

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.041
The Average Y Centroid of the Five Target Set:	-0.057
The Average Point of Impact of the Five Target Set:	0.070
The Average Mean Radius of the Five Target Set:	0.692
The Distance from POA to Centroid Target #1:	0.169
The Distance from Centroid Target #2 to Centroid Target #1:	0.247
The Distance from Centroid Target #3 to Centroid Target #1:	0.078
The Distance from Centroid Target #4 to Centroid Target #1:	0.179
The Distance from Centroid Target #5 to Centroid Target #1:	0.109

BARBER - M24 0063905

SERIAL NUMBER: C6348784. 0

TARGET NUMBER: 1

FILE DATE: 02/05/2008

FILE TIME: 07:40

POINT#	X	Y
1:	0.656	-1.012
2:	-0.079	-1.081
3:	-0.441	-0.694
4:	-0.293	-0.372
5:	-0.515	-0.323
6:	0.271	0.257
7:	-0.451	0.574
8:	-0.257	0.973
9:	0.115	0.829
10:	-0.343	-0.179

X CENTROID: -0.134

Y CENTROID: -0.103

POA TO CENTROID: 0.169

HORZ SPREAD: 1.171

VERT SPREAD: 2.054

GROUP SPREAD: 2.185

MIN RADIUS: 0.223

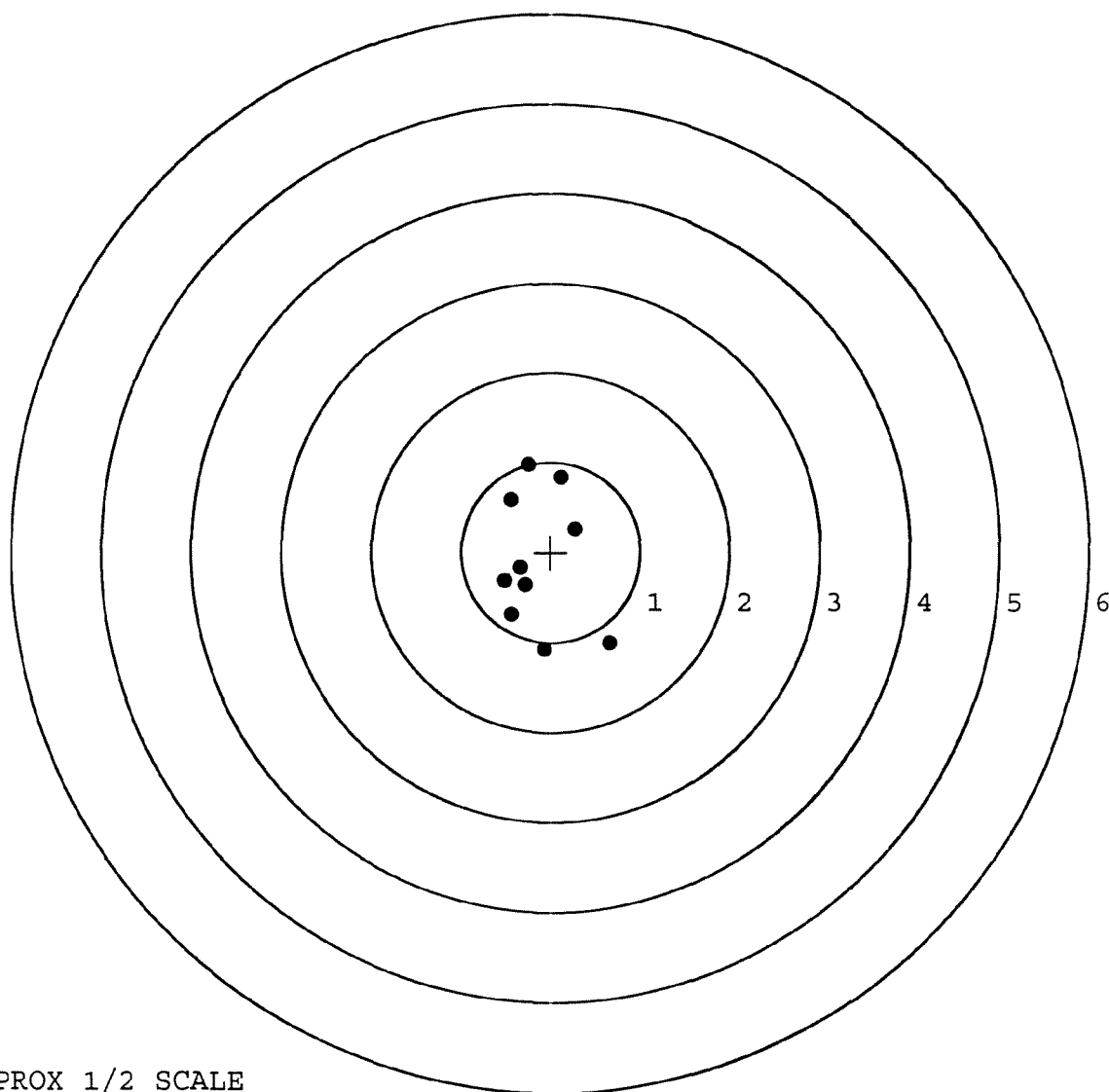
MAX RADIUS: 1.204

MEAN RADIUS: 0.716

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0063906

SERIAL NUMBER: C6348784. __0

TARGET NUMBER: 2

FILE DATE: 02/05/2008

FILE TIME: 07:40

POINT#	X	Y
1:	1.345	-0.852
2:	0.572	-0.513
3:	0.697	0.218
4:	0.166	0.186
5:	-0.797	0.810
6:	-0.849	0.473
7:	0.020	-0.282
8:	-0.208	-0.325
9:	0.211	-0.439
10:	-0.032	-0.550

X CENTROID: 0.113

Y CENTROID: -0.127

POA TO CENTROID: 0.170

HORZ SPREAD: 2.194

VERT SPREAD: 1.662

GROUP SPREAD: 2.711

MIN RADIUS: 0.180

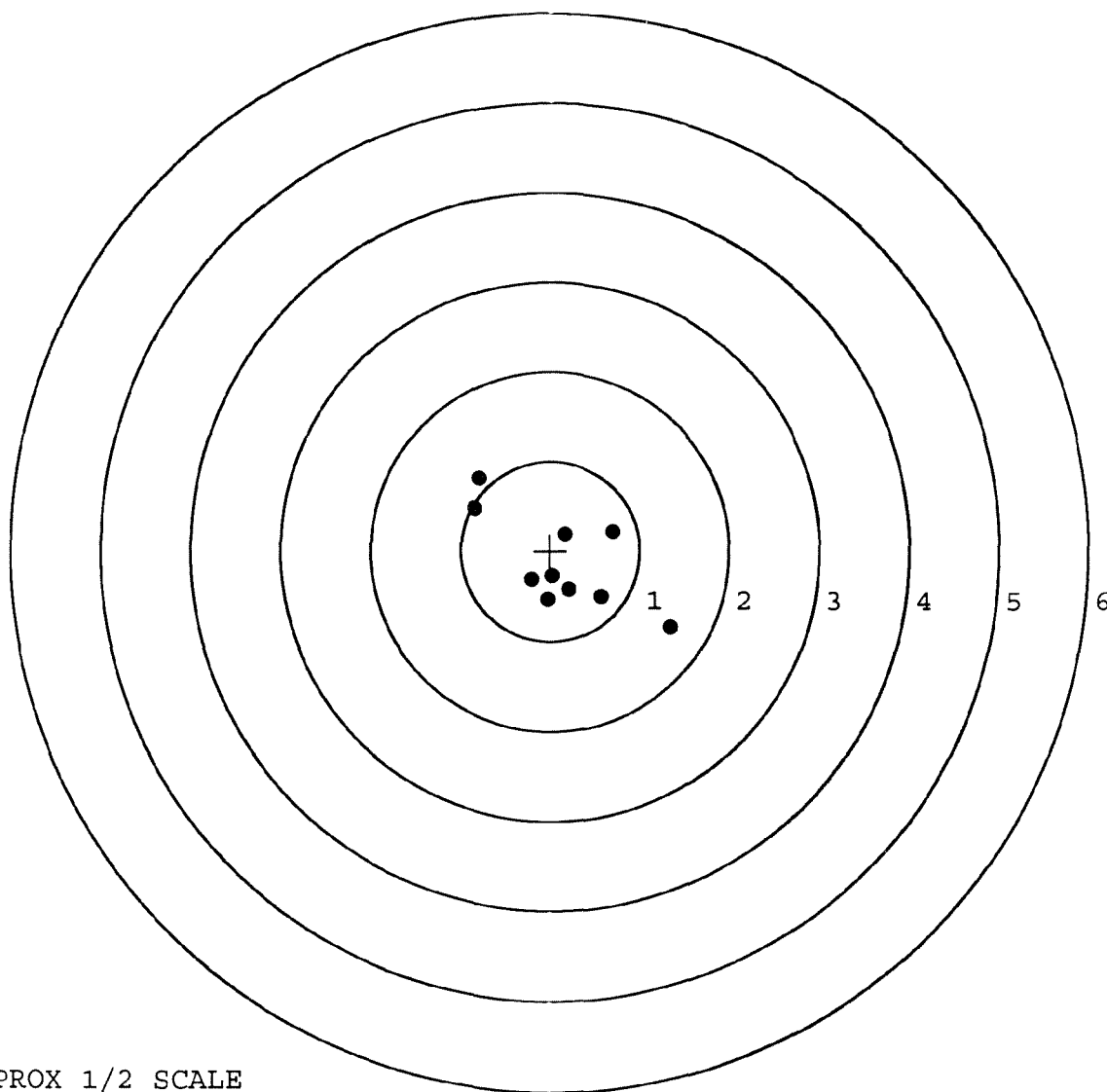
MAX RADIUS: 1.430

MEAN RADIUS: 0.680

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0063907

SERIAL NUMBER: C6348784. __0

TARGET NUMBER: 3

FILE DATE: 02/05/2008

FILE TIME: 07:40

POINT#	X	Y
1:	1.152	-1.160
2:	0.622	0.150
3:	0.312	-0.247
4:	-0.141	-0.532
5:	-1.176	-0.150
6:	-0.566	-0.046
7:	-0.253	0.489
8:	0.080	0.296
9:	-0.023	0.063
10:	-0.969	0.793

X CENTROID: -0.096

Y CENTROID: -0.034

POA TO CENTROID: 0.102

HORZ SPREAD: 2.328

VERT SPREAD: 1.953

GROUP SPREAD: 2.883

MIN RADIUS: 0.122

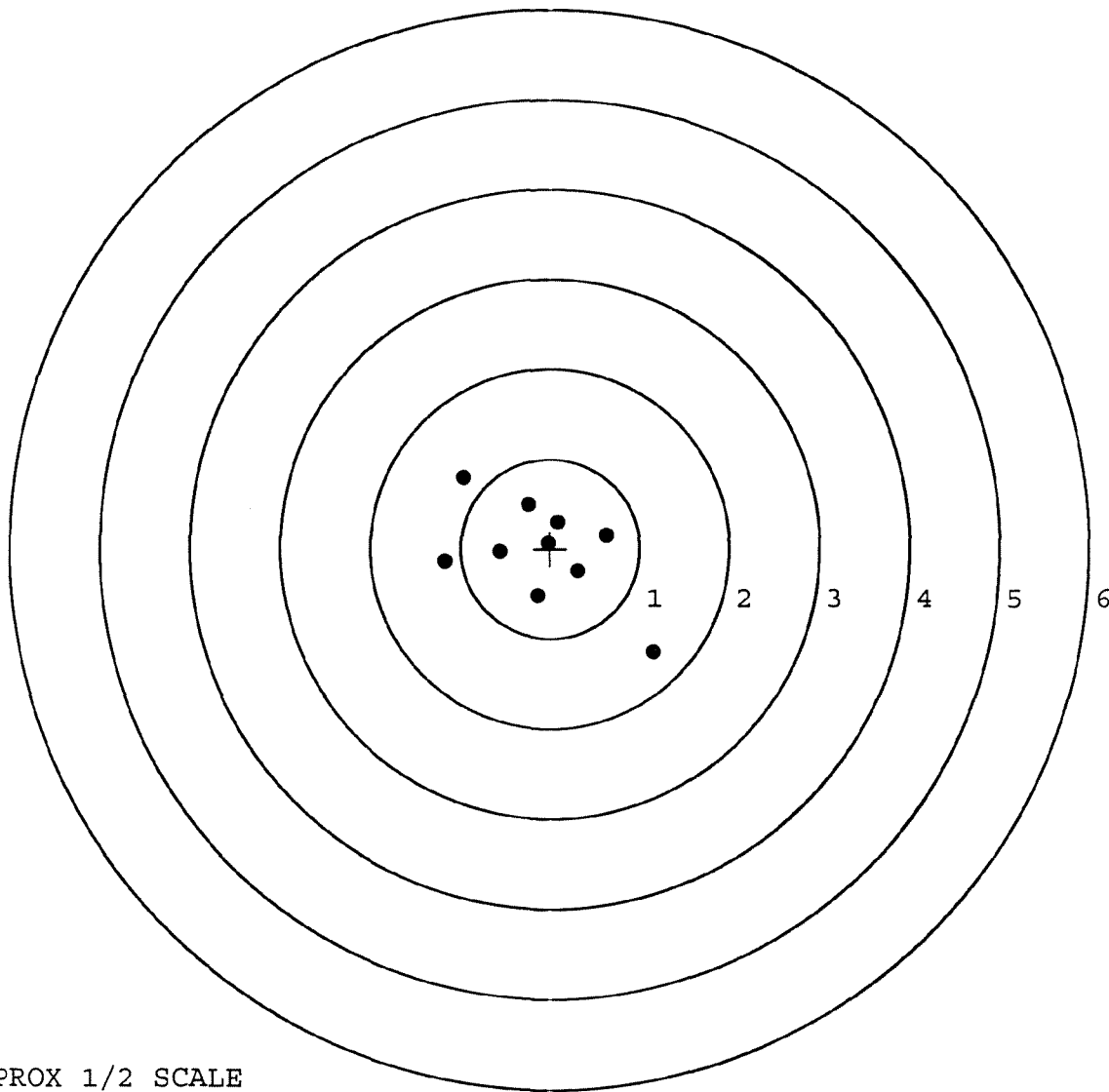
MAX RADIUS: 1.681

MEAN RADIUS: 0.718

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



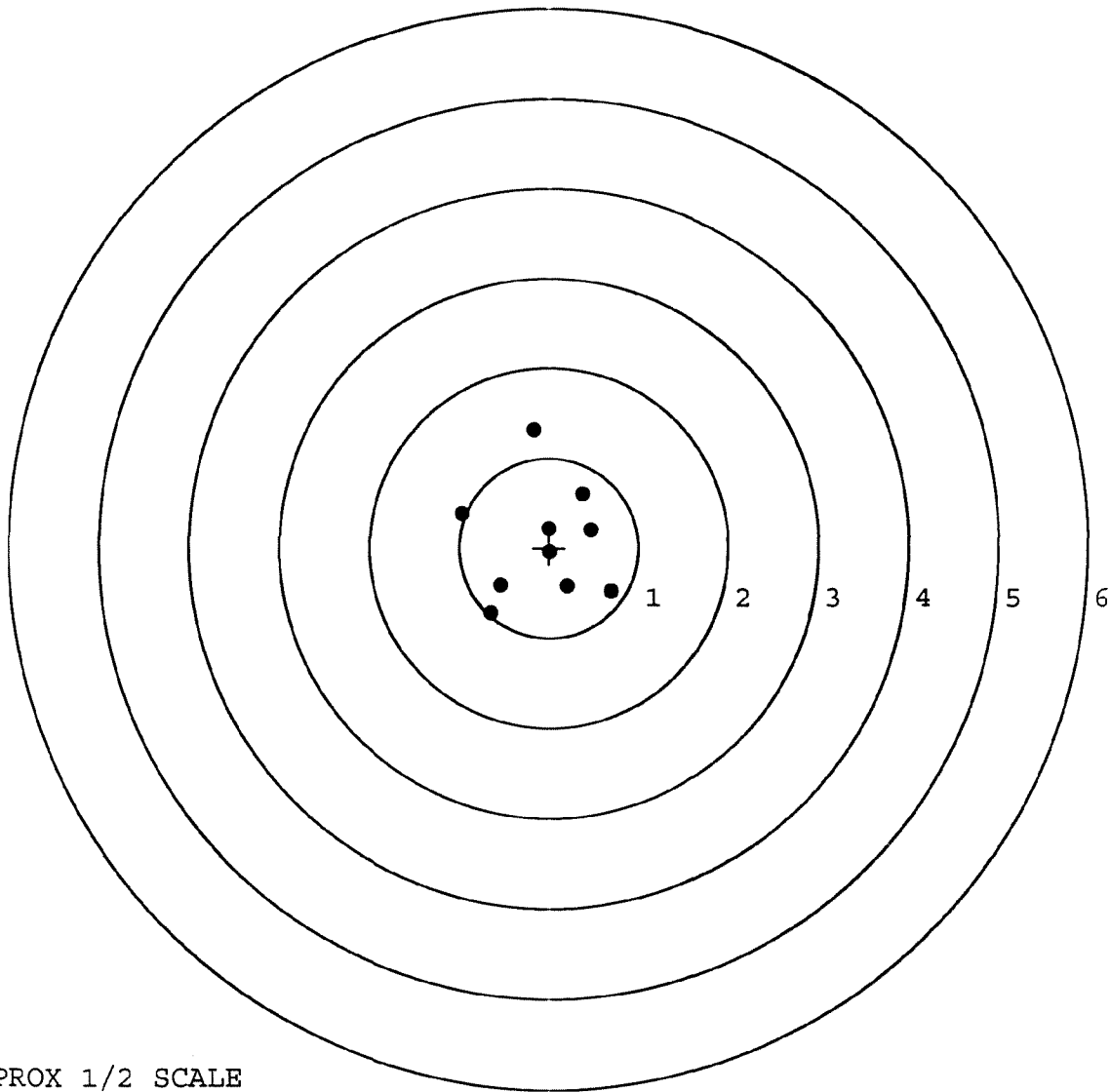
TARGET APPROX 1/2 SCALE

BARBER - M24 0063908

SERIAL NUMBER: C6348784. __0
 TARGET NUMBER: 4
 FILE DATE: 02/05/2008
 FILE TIME: 07:40

POINT#	X	Y
1:	-0.174	1.313
2:	0.372	0.602
3:	-0.970	0.384
4:	-0.541	-0.425
5:	-0.650	-0.728
6:	0.696	-0.489
7:	0.201	-0.430
8:	0.012	-0.051
9:	0.466	0.200
10:	0.006	0.216

X CENTROID: -0.058
 Y CENTROID: 0.059
 POA TO CENTROID: 0.083
 HORZ SPREAD: 1.666
 VERT SPREAD: 2.041
 GROUP SPREAD: 2.096
 MIN RADIUS: 0.131
 MAX RADIUS: 1.259
 MEAN RADIUS: 0.692
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0063909

SERIAL NUMBER: C6348784. __0

TARGET NUMBER: 5

FILE DATE: 02/05/2008

FILE TIME: 07:40

X CENTROID: -0.028

Y CENTROID: -0.080

POA TO CENTROID: 0.084

HORZ SPREAD: 1.534

VERT SPREAD: 1.609

GROUP SPREAD: 2.017

MIN RADIUS: 0.277

MAX RADIUS: 1.026

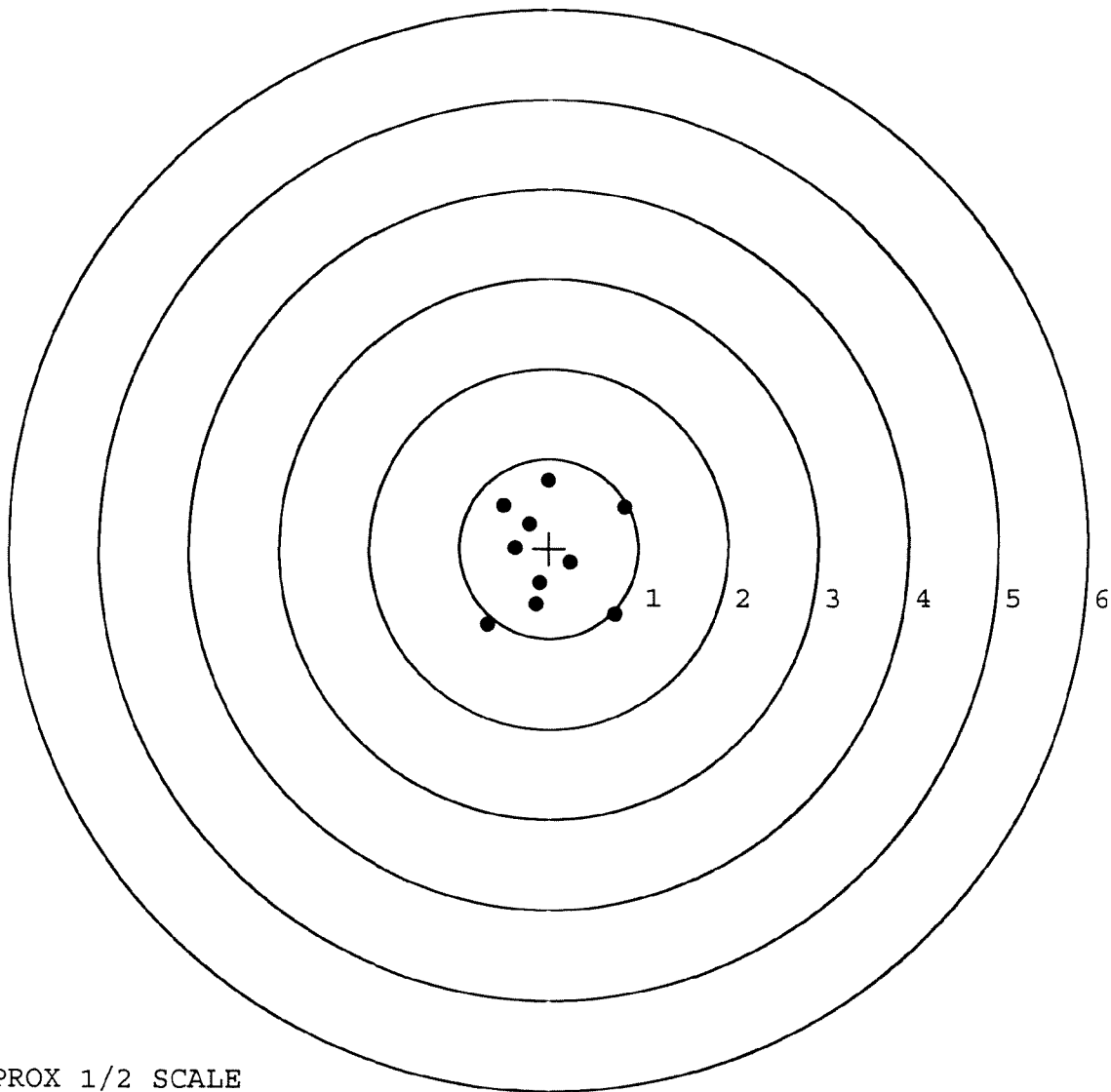
MEAN RADIUS: 0.656

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.740	-0.735
2:	0.845	0.460
3:	-0.014	0.760
4:	-0.514	0.474
5:	-0.230	0.270
6:	-0.386	0.006
7:	0.236	-0.164
8:	-0.113	-0.391
9:	-0.150	-0.629
10:	-0.689	-0.849



TARGET APPROX 1/2 SCALE

R & E NUMBER		139877	
SERIAL NUMBER		C6348284	
LOG-IN DATE		1-15-08	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-21-08	RTZ
505	RE-BARREL	1-24-08	RR
560	ASSEMBLE	1-24-08	RTZ
600	PROOF	1-24-08	TRW
605	CHECK HEADSPACE	1-24-08	TRW
610	DIS-ASSEMBLE GUN	1-24-08	RTZ
612	MAGNAFLUX	1-25-08	JB
510	DRILL AND TAP	1-25-08	TRW
615	ROLLMARK CALIBER	1-25-08	CW
618	ROTO-BLAST	1-25-08	DB
620	APPLY COATINGS	1-29-08	CM
625	FINAL ASSEMBLY	1-31-08	S.P.A.
640	FUNCTION TEST AND	PASS FAIL	2-1-08 TRW
650	TARGET	PASS FAIL	2-4-08 TRW
	MALFUNCTION <i>shells catches right side of receiver</i>	CORRECTION ok	2-4-08 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.55 2.53 2.46 2.58 2.42 2.608 RA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	50 50 50-2608 RA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.5 2.5 26.08 RA
	I) FIRING PIN INDENT	.020	.022 .022 .023 26.08 RA
690	PACK		2-11-08 RA

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348784

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	89	RW
600	Proof	9 26	89	RW
607	Check Headspace	9 26	89	RW
610	Dis-assemble Gun	9 26	89	RW
612	Magnaflux Barrel Action	9/29/89		KCR
	Magnaflux Bolt	9/29/89		KCR
615	Rollmark Caliber	9/29/89		L.S.
7	Drill and Tap Sight Holes	9 29	89	YB
618	Polish Barrel PB	9 29	89	BT
620	Apply Coatings (Barrel Action)		10/11/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/12/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/12/89	RW
	C) Inspect Ejector Hole for Chamfer		10/12/89	RW
	D) Oil Firing Pin Ass'y		10/12/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2000/89	931

BARBER - M24 0063912

BARBER - M24 0063912								
op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	5	5	10/23/89	ML		
	G) Safety Off Force	3	3	3	10/23/89	ML		
	H) Trigger Pull Test & Retainability				206/89	JS		
	I) Firing Pin Indent	.022	.0215	.0225	10/23/89	GE		
	J) Assemble Stock				11/2/89	RW		
	K) Assemble Swivel Studs				11/2/89	JS		
	L) Attach Front and Rear Sight Assemblies				11/2/89	RW		
	M) Iron Sight Alignment				11/2/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				11/2/89	RW		
	O) Attach Scope to Rifle				11/2/89	JS		
P) Detach & Attach Scope 20 Times				11/2/89	ML			
640	Gallery Target & Test				11-6-89	AC		
	A) Time				11-6-89	AC		
	B) Malfunctions				11-6-89	AC		
	C) Pierced Primers				11-6-89	AC		
	D) Optical Clarity of Scope				11-6-89	AC		
645	Inspect for Live Ammo				11-6-89	AC		
655	Final Inspection							
	A) Headspace				7/20/89	JS		
	B) Trigger Pull	260	281	247	239	267	7/20/89	JS
	C) Function						7/20/89	JS
660	Pack						14 Dec 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 46348784DATE 4-10-90TESTER Jell

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.34		2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.37		2.38	
PULL #3	2.36	2.37		2.34	
PULL #4	2.33	2.35		2.38	
PULL #5	2.41	2.37		2.35	
TOTAL	11.87	11.80		11.88	
AVG.	2.374	2.36		2.376	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.57	3.44		
PULL #2	3.32	3.25		
PULL #3	3.33	3.36		
PULL #4	3.33	3.40		
PULL #5	3.39	3.35		
TOTAL	16.94	16.80		
AVG.	3.388	3.36		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.32		
PULL #2	4.17	4.34		
PULL #3	4.17	4.38		
PULL #4	4.21	4.37		
PULL #5	4.10	4.31		
TOTAL	20.86	21.72		
AVG.	4.172	4.344		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348784
6 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.542948
1 TO	2	.521806
1 TO	3	.970659
1 TO	4	.551337
1 TO	5	1.11364

3 # 1 <----POA

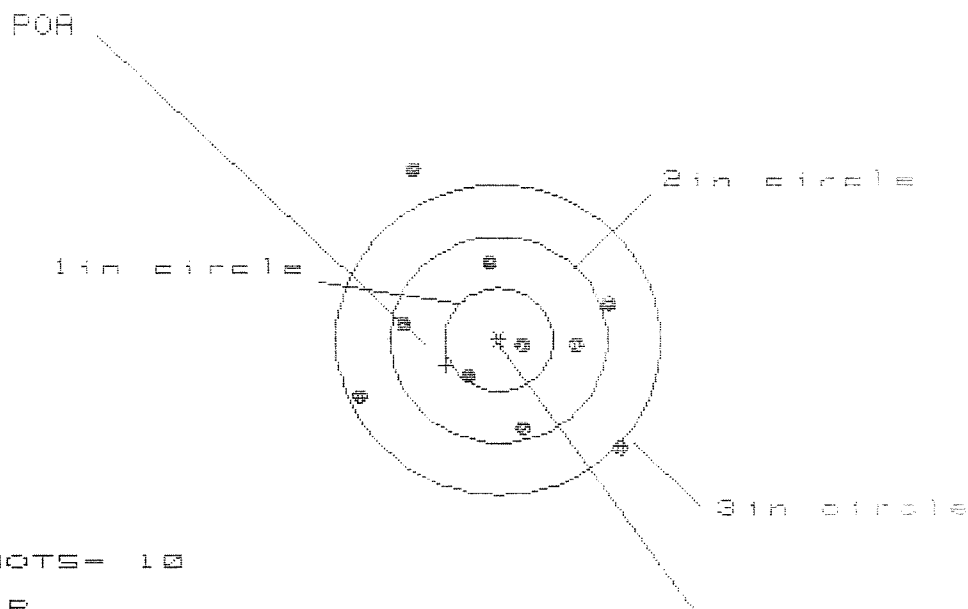
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0934
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0046
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0935132
THE AMR FOR THIS RIFLE IS: 1.065

6 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348784

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.459

VS= 2.686

GS= 3.309

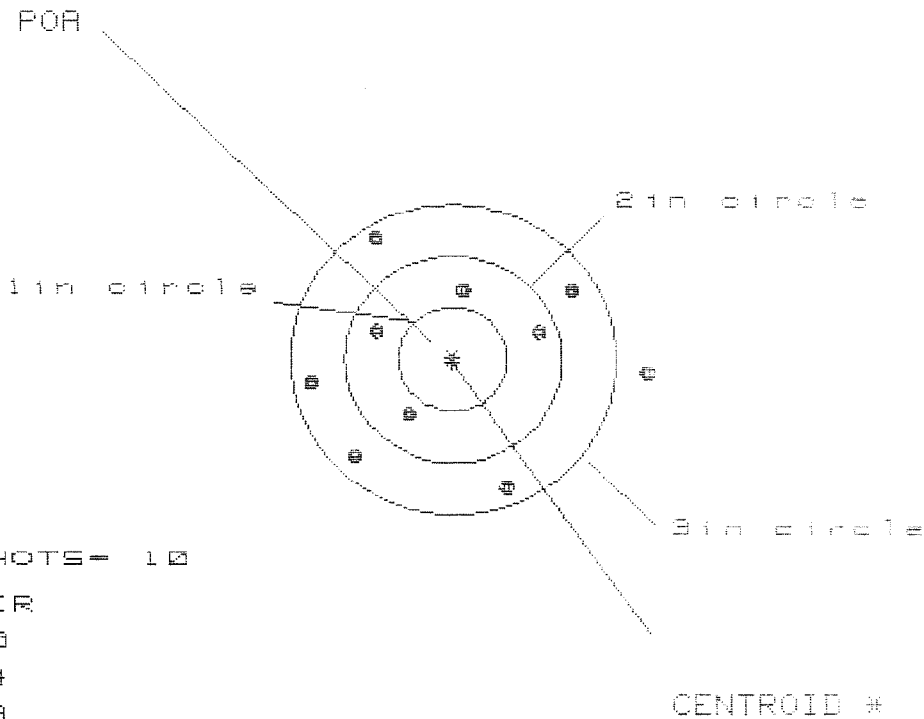
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.166	1.081	1.098
MINIMUM X	-1.293	-1.378	-1.243
MAXIMUM Y	1.672	.914	.811
MINIMUM Y	-1.014	-.829	-.738
CENTROID X	.483	.568	.433
CENTROID Y	.248	.063	.166
POA TO CENTROID in.	.543	.571	.484
MIN RADIUS	.206	.174	.251
MEAN RADIUS	.979	.861	.797
MAX RADIUS	1.839	1.427	1.331
HORIZONTAL SPREAD	2.459	2.459	2.341
VERTICAL SPREAD	2.686	1.743	1.549
EXTREME SPREAD	3.309	2.504	2.504
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

6 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08346764

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 4

3 in = 9

HS= 3.089

VS= 2.443

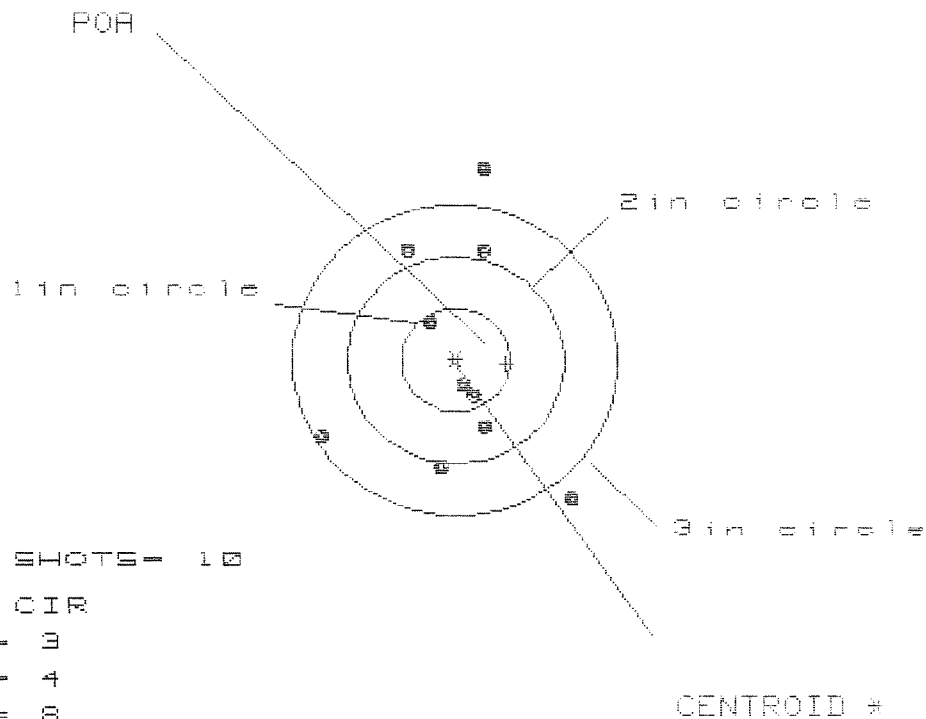
GS= 3.091

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.762
MINIMUM X	:	-1.327
MAXIMUM Y	:	1.191
MINIMUM Y	:	-1.252
CENTROID X	:	.008
CENTROID Y	:	.032
POA TO CENTROID in.	:	.033
MIN RADIUS	:	.683
MEAN RADIUS	:	1.140
MAX RADIUS	:	1.768
HORIZONTAL SPREAD	:	3.089
VERTICAL SPREAD	:	2.443
EXTREME SPREAD	:	3.091
NUMBER IN ONE INCH CIRCLE	=	0
NUMBER IN TWO INCH CIRCLE	=	4
NUMBER IN THREE INCH CIRCLE	=	9

6 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08346784

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 4

3 in = 8

HS = 2.277

VS = 3.211

GS = 3.309

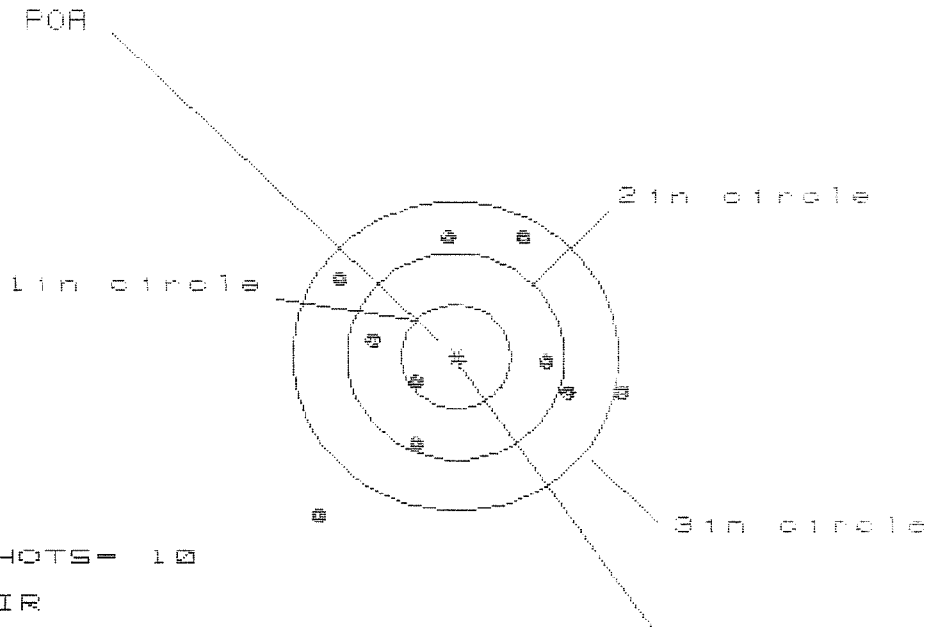
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.039	1.066	.422
MINIMUM X	:	-1.238	-1.211	-1.078
MAXIMUM Y	:	1.838	1.250	1.104
MINIMUM Y	:	-1.373	-1.168	-.998
CENTROID X	:	-.464	-.491	-.624
CENTROID Y	:	.035	-.170	-.024
POA TO CENTROID in.	:	.465	.519	.624
MIN RADIUS	:	.215	.125	.290
MEAN RADIUS	:	.994	.864	.798
MAX RADIUS	:	1.854	1.581	1.247
HORIZONTAL SPREAD	:	2.277	2.277	1.500
VERTICAL SPREAD	:	3.211	2.418	2.102
EXTREME SPREAD	:	3.309	2.816	2.277
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/063467B4

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.802

VS= 2.666

GS= 3.256

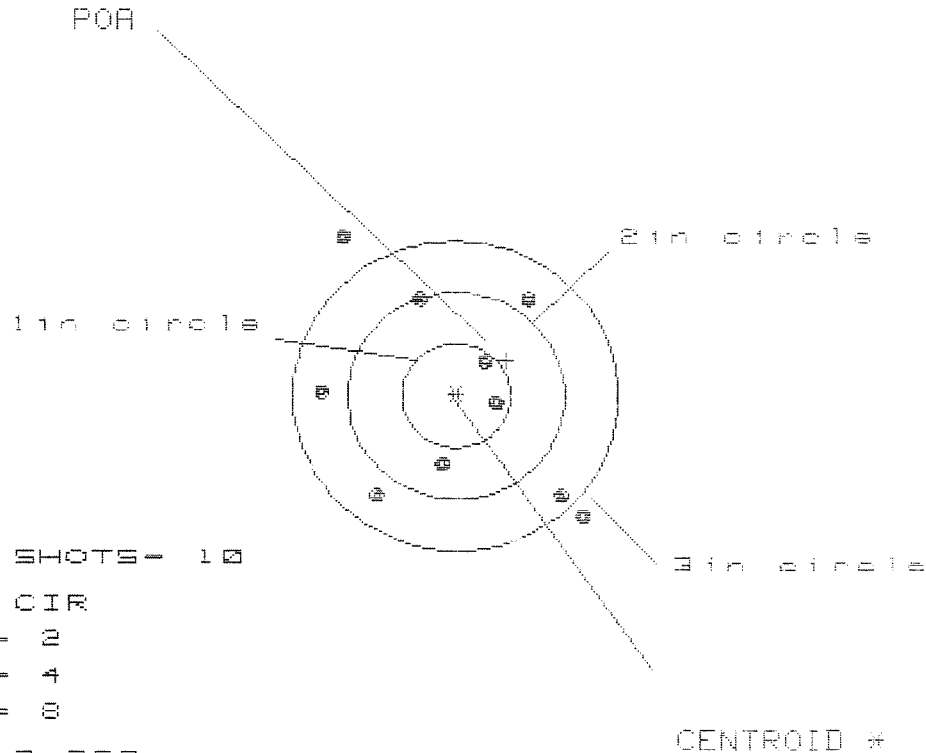
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.534	1.393	1.031
MINIMUM X	:	-1.268	-1.210	-1.035
MAXIMUM Y	:	1.156	.989	.930
MINIMUM Y	:	-1.510	-1.002	-1.061
CENTROID X	:	-.030	.111	-.064
CENTROID Y	:	.046	.213	.272
POA TO CENTROID in.	:	.055	.240	.279
MIN RADIUS	:	.460	.665	.569
MEAN RADIUS	:	1.141	1.044	.973
MAX RADIUS	:	1.971	1.470	1.164
HORIZONTAL SPREAD	:	2.802	2.603	2.067
VERTICAL SPREAD	:	2.666	1.991	1.991
EXTREME SPREAD	:	3.256	2.806	2.323
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

6 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8946784

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.368

VS= 2.690

GS= 3.436

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.141
MINIMUM X	-1.227
MAXIMUM Y	1.499
MINIMUM Y	-1.191
CENTROID X	-.464
CENTROID Y	-.338
POA TO CENTROID in.	.575
MIN RADIUS	.358
MEAN RADIUS	1.070
MAX RADIUS	1.800
HORIZONTAL SPREAD	2.368
VERTICAL SPREAD	2.690
EXTREME SPREAD	3.436
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	8

Remington		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6348784	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.			



5716 C6348784

UPC



0 47700 25716 7