

C6348913

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: **RE00087075**Serial: C6348913 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 10/27/2004 9:31:27 AM

Address Information

Customer:

Received From:

Return To:

Received From:

Name: **ELECTRONIC MAIN SHOP GSC 10TH DIV****ELECTRONIC MAIN SHOP GSC 10TH DIV**Address 1: **ATTN MSG BARTRON SPC LAUBAUGH****ATTN MSG BARTRON SPC LAUBAUGH**Address 2: **BLDG 7426 RM 203 BAD TOELZ**

PO Box:

BLDG 7426 RM 203 BAD TOELZ

PO Box:

City: **FORT CARSON****FORT CARSON**State: **CO**Zip Code: **80913**Country: **US**State: **CO**Zip Code: **80913**Country: **US**

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition:
Notes:CSR:
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1
C000	F AND R SGT BASES	1

Repair Search

Refresh

Close

nagletj

10/27/2004

12:02 PM

CAPS

NUM

INS

SCRL

start

2

Arms Services

3

3

2

5

1-07-8

Serial Number:

C6348913Model: **M24 SWS****RE00087075**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348913.___0
FILE DATE AND TIME: 11/18/2004 10:36

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.087
The Average Y Centroid of the Five Target Set:	-0.092
The Average Point of Impact of the Five Target Set:	0.127
The Average Mean Radius of the Five Target Set:	0.665
The Distance from POA to Centroid Target #1:	0.485
The Distance from Centroid Target #2 to Centroid Target #1:	0.552
The Distance from Centroid Target #3 to Centroid Target #1:	0.489
The Distance from Centroid Target #4 to Centroid Target #1:	0.699
The Distance from Centroid Target #5 to Centroid Target #1:	0.432

SERIAL NUMBER: C6348913. __0

TARGET NUMBER: 1

FILE DATE: 11/18/2004

FILE TIME: 10:36

X CENTROID: -0.482

Y CENTROID: 0.048

POA TO CENTROID: 0.485

HORZ SPREAD: 1.838

VERT SPREAD: 1.432

GROUP SPREAD: 1.873

MIN RADIUS: 0.048

MAX RADIUS: 1.163

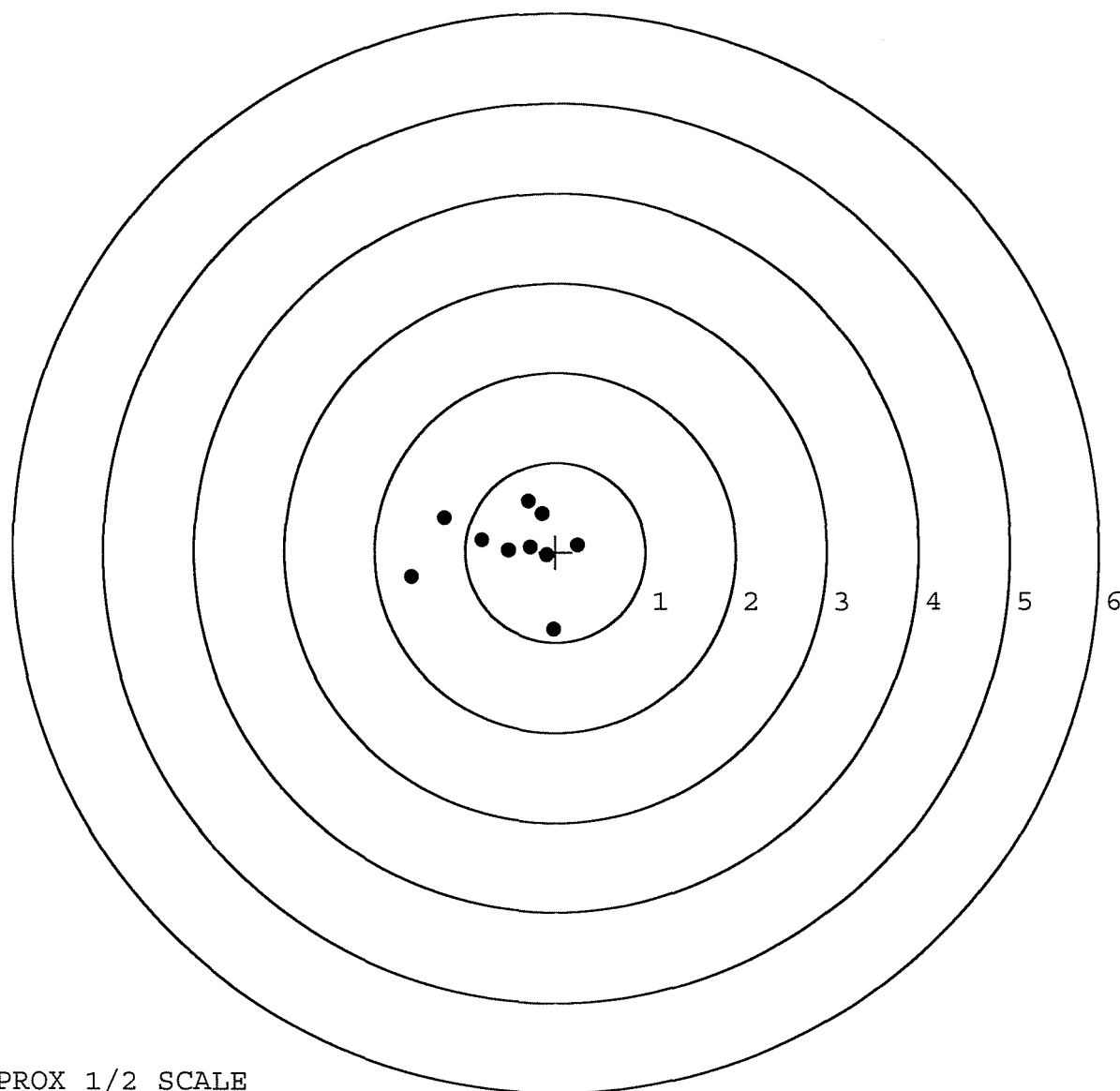
MEAN RADIUS: 0.575

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.312	0.569
2:	-1.236	0.378
3:	-0.819	0.133
4:	-0.521	0.019
5:	-0.286	0.056
6:	-0.104	-0.035
7:	0.241	0.079
8:	-0.157	0.427
9:	-1.597	-0.283
10:	-0.032	-0.863



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348913. __0

TARGET NUMBER: 2

FILE DATE: 11/18/2004

FILE TIME: 10:36

X CENTROID: 0.048

Y CENTROID: -0.106

POA TO CENTROID: 0.116

HORZ SPREAD: 1.007

VERT SPREAD: 1.025

GROUP SPREAD: 1.322

MIN RADIUS: 0.104

MAX RADIUS: 0.832

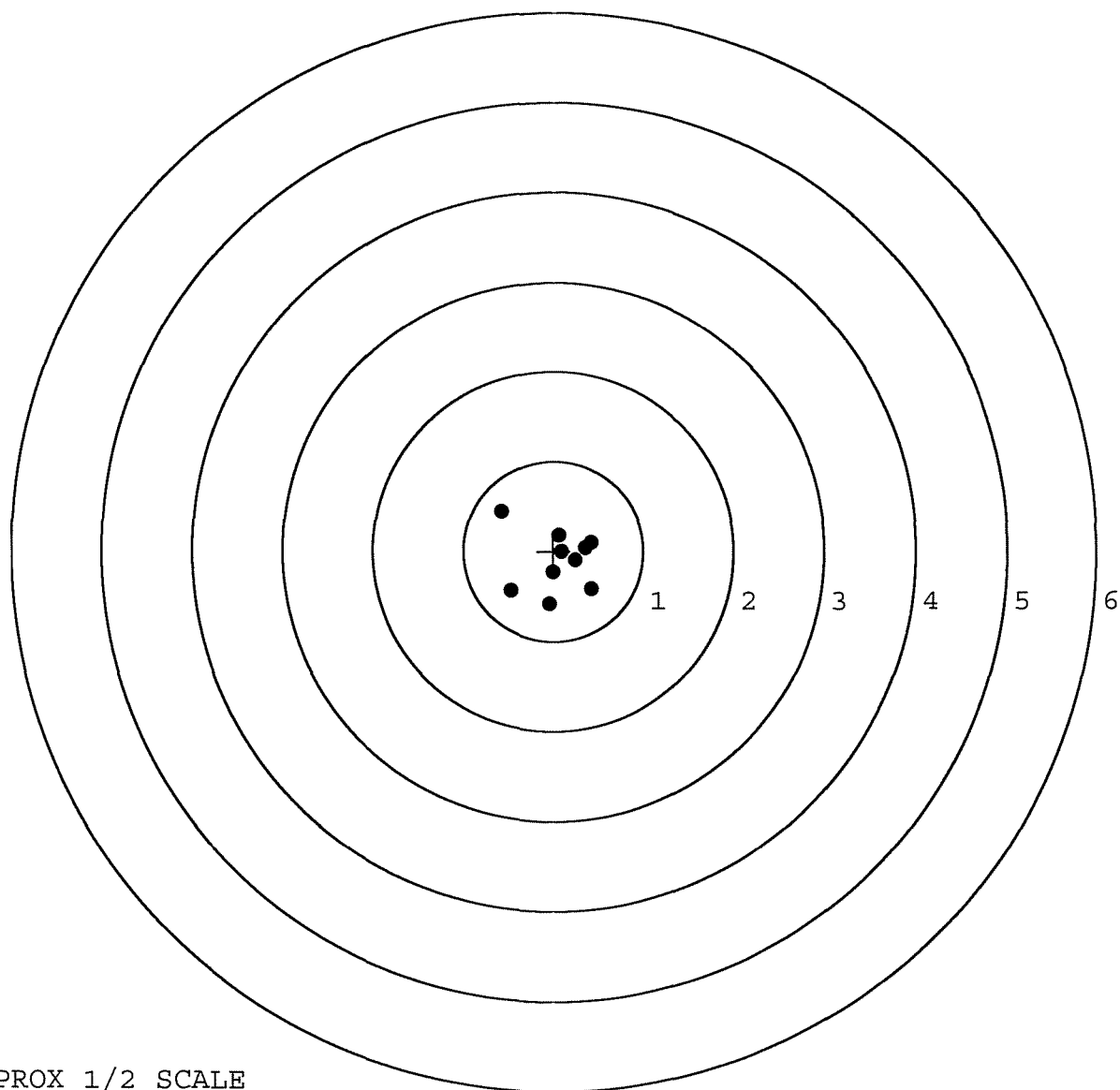
MEAN RADIUS: 0.393

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.478	-0.442
2:	-0.584	0.436
3:	0.061	0.176
4:	0.421	0.094
5:	0.423	-0.421
6:	-0.012	-0.239
7:	0.245	-0.100
8:	0.358	0.039
9:	0.090	-0.011
10:	-0.049	-0.589



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348913. __0

TARGET NUMBER: 3

FILE DATE: 11/18/2004

FILE TIME: 10:36

X CENTROID: -0.086

Y CENTROID: -0.238

POA TO CENTROID: 0.253

HORZ SPREAD: 2.350

VERT SPREAD: 1.839

GROUP SPREAD: 2.358

MIN RADIUS: 0.204

MAX RADIUS: 1.339

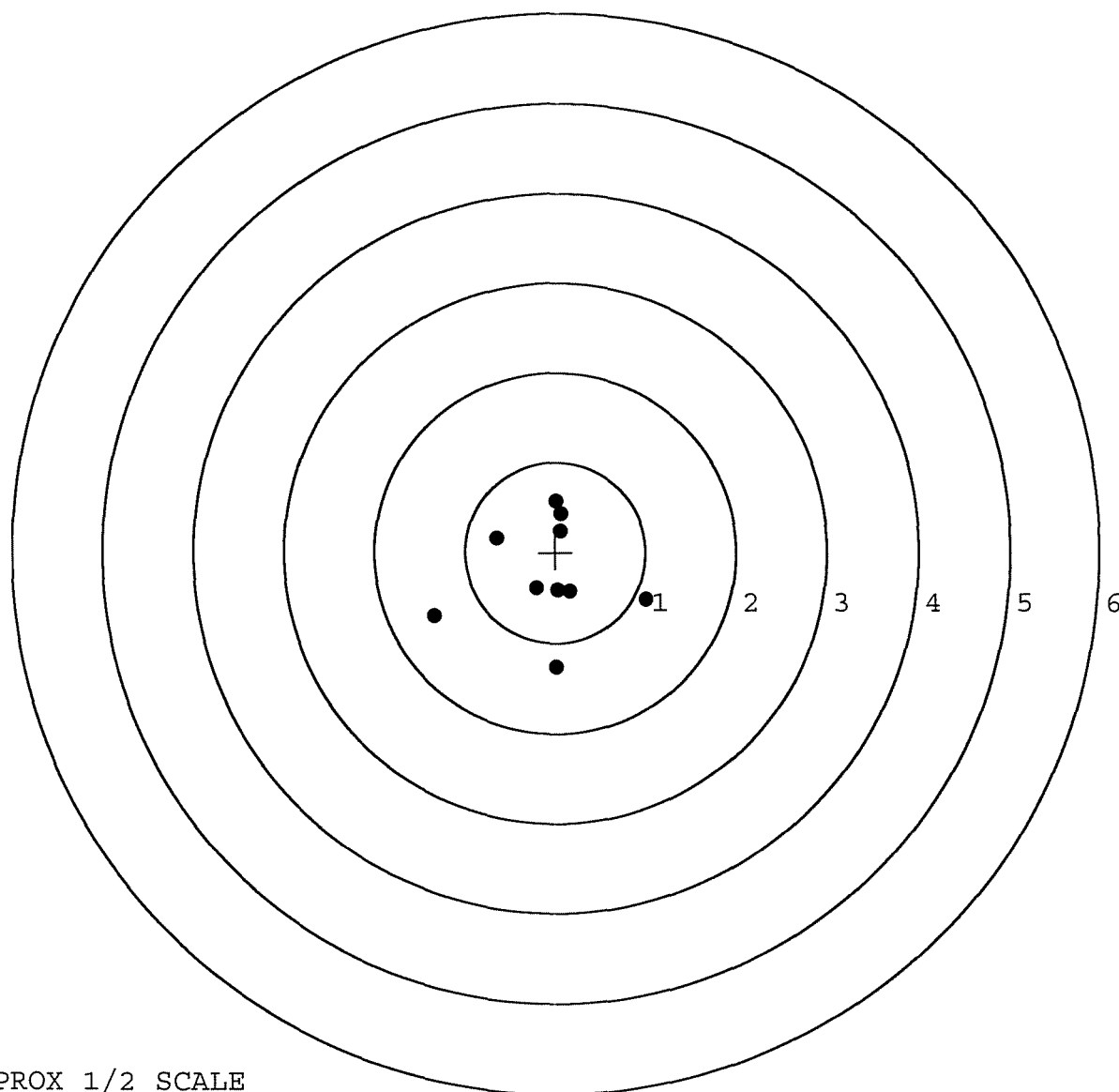
MEAN RADIUS: 0.693

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.164	-0.439
2:	0.030	-0.426
3:	-0.209	-0.401
4:	0.057	0.234
5:	0.059	0.430
6:	-0.003	0.567
7:	1.011	-0.521
8:	-1.339	-0.711
9:	-0.648	0.157
10:	0.020	-1.272



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348913. __0

TARGET NUMBER: 4

FILE DATE: 11/18/2004

FILE TIME: 10:36

X CENTROID: 0.216

Y CENTROID: 0.038

POA TO CENTROID: 0.220

HORZ SPREAD: 1.580

VERT SPREAD: 2.406

GROUP SPREAD: 2.406

MIN RADIUS: 0.195

MAX RADIUS: 1.355

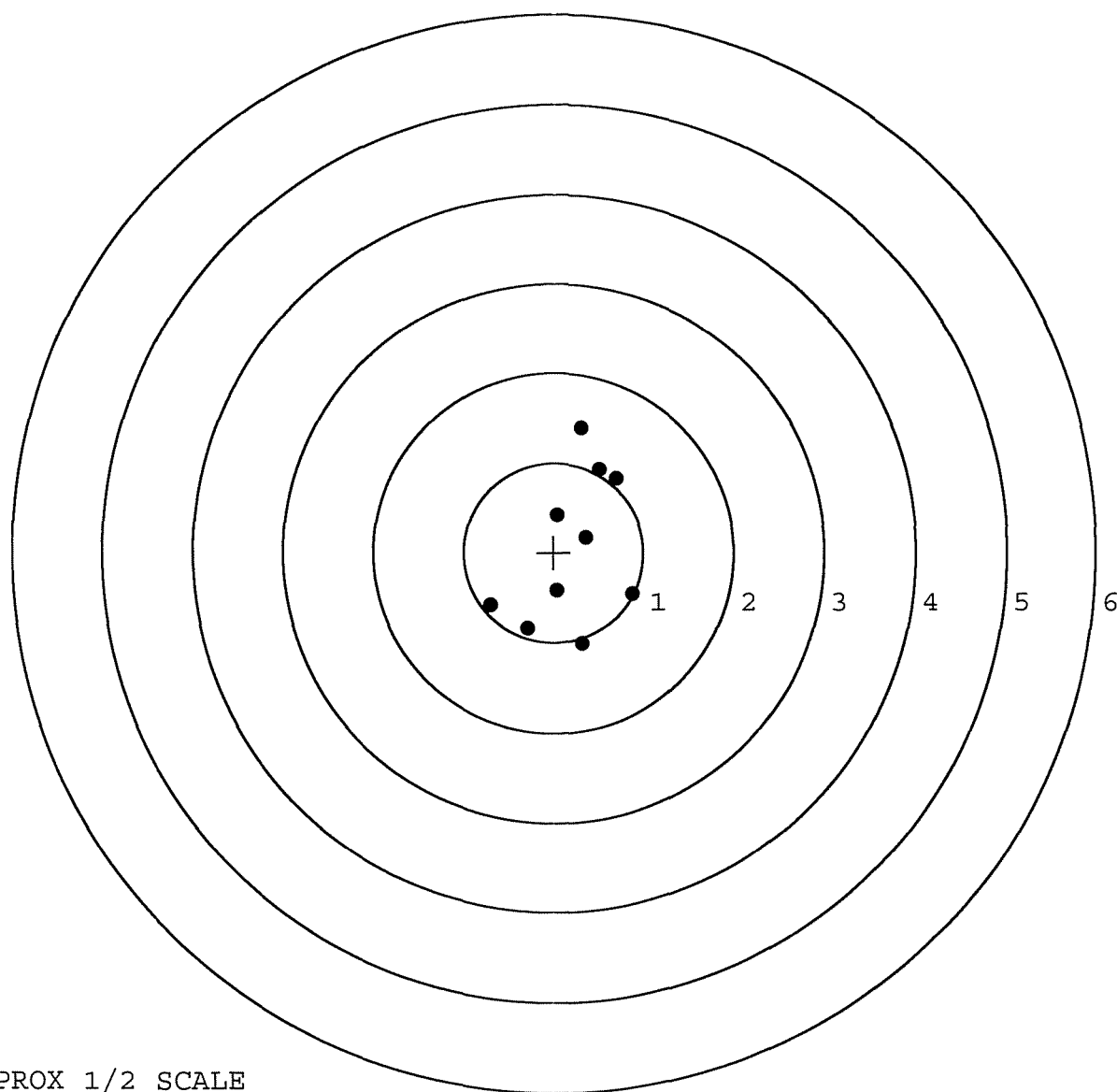
MEAN RADIUS: 0.835

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.879	-0.464
2:	0.321	-1.017
3:	0.035	-0.428
4:	-0.289	-0.851
5:	-0.701	-0.590
6:	0.363	0.167
7:	0.039	0.416
8:	0.697	0.827
9:	0.508	0.929
10:	0.311	1.389



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348913. __0

TARGET NUMBER: 5

FILE DATE: 11/18/2004

FILE TIME: 10:36

X CENTROID: -0.130

Y CENTROID: -0.202

POA TO CENTROID: 0.240

HORZ SPREAD: 1.601

VERT SPREAD: 2.110

GROUP SPREAD: 2.424

MIN RADIUS: 0.435

MAX RADIUS: 1.297

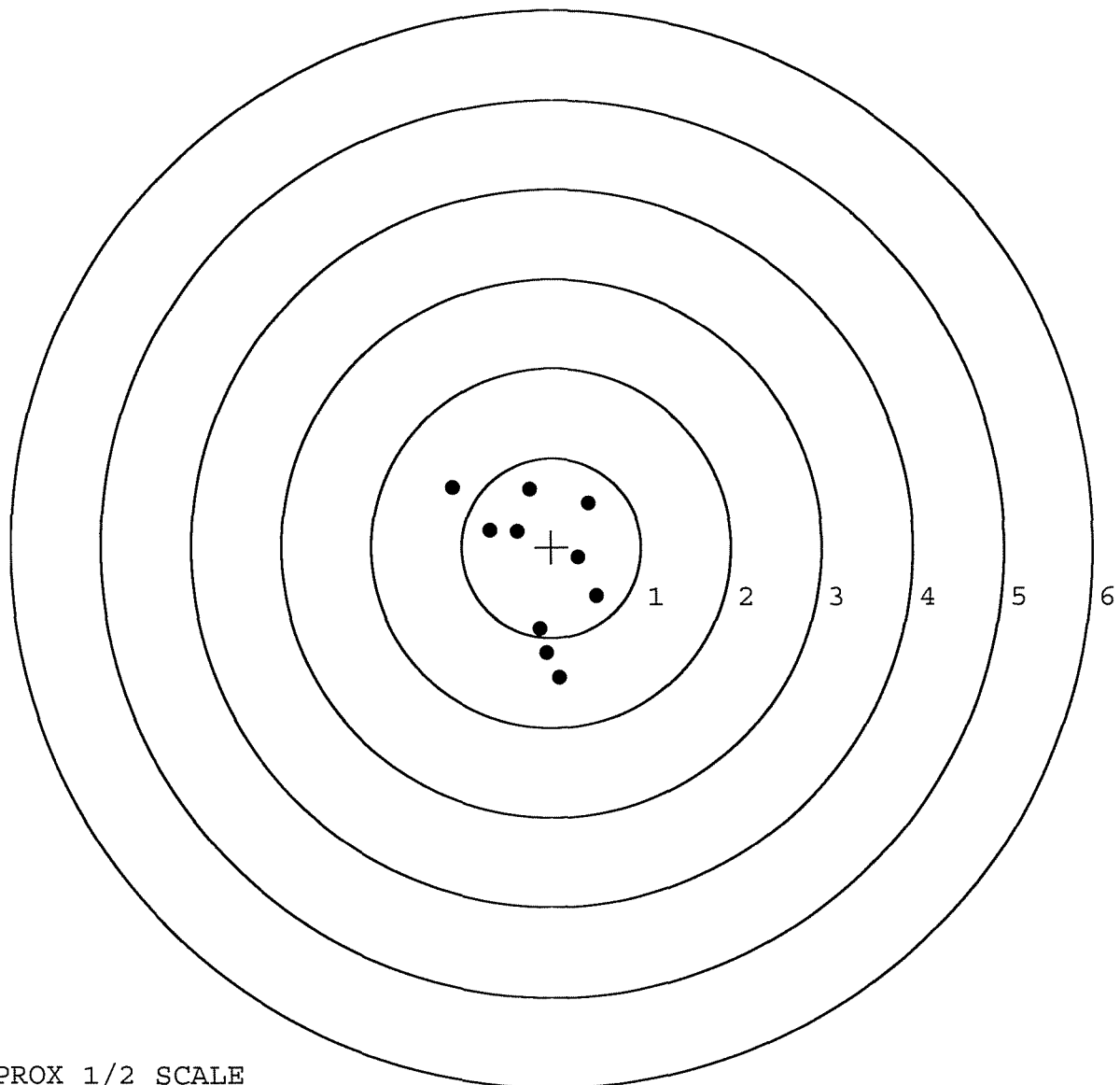
MEAN RADIUS: 0.828

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.411	0.497
2:	-0.251	0.653
3:	-1.100	0.660
4:	0.093	-1.450
5:	-0.057	-1.175
6:	-0.128	-0.907
7:	0.501	-0.542
8:	0.297	-0.118
9:	-0.686	0.191
10:	-0.382	0.175



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	87065		
SERIAL NUMBER	C- 634 8779 C634 8913		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-30-04	DA
560 A	RE-BARREL	11-2-04	RTL
B	DRILL AND TAP	11-4-04	TRW
575	ASSEMBLE	11-2-04	RTL
600	PROOF	11-3-04	RTL
605	CHECK HEADSPACE	11-3-04	RTL
610	DIS-ASSEMBLE GUN	11-4-04	RTL
612	MAGNAFLUX	11-5-04	LB
615	ROLLMARK CALIBER	11-6-04	LB
618	ROTO-BLAST	11-9	HA
620	APPLY COATINGS	11-15-04	RTL
625 A	FINAL ASSEMBLY	N/A	N/A
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-17-04	TRW
655	FINAL INSPECT	11-18-04	AC
660	PACK	11-19-04	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®

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

DUPONT
REG. U.S. PAT. & TM. OFF.

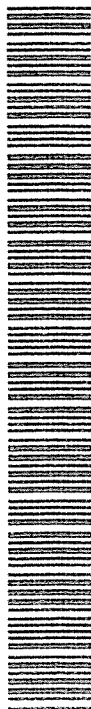
MODEL 700™ H24

SERIAL NO.
C6348913

ORDER NO.
5716

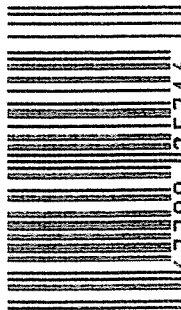
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6348913

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348913

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14	89	RW
600	Proof	9 14	89	RW
607	Check Headspace	9 14	89	RW
610	Dis-assemble Gun	9 14	89	RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9-15-89	GS
7	Drill and Tap Sight Holes	9 15	89	FB
618	Polish Barrel	9 15	89	BT
620	Apply Coatings (Barrel Action)		9-15-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		20089	JS

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	10/4/89	JL		
	G) Safety Off Force	3	3	3	10/4/89	JL		
	H) Trigger Pull Test & Retainability				2 Oct 89	JL		
	I) Firing Pin Indent	.021	.0205	.0205	10/4/89	JM		
	J) Assemble Stock				10/6/89	RW		
	K) Assemble Swivel Studs				9 Oct 89	JL		
	L) Attach Front and Rear Sight Assemblies				10/6/89	RW		
	M) Iron Sight Alignment				10/6/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				10/6/89	RW		
	O) Attach Scope to Rifle				10/6/89	JL		
	P) Detach & Attach Scope 20 Times				10/6/89	JL		
640	Gallery Target & Test				10-6-89	AC		
	A) Time				10-6-89	AC		
	B) Malfunctions				10-6-89	AC		
	C) Pierced Primers				10-6-89	AC		
	D) Optical Clarity of Scope				10-6-89	AC		
645	Inspect for Live Ammo				10-6-89	AC		
655	Final Inspection							
	A) Headspace				9 Oct 89	JL		
	B) Trigger Pull	229	256	264	273	276	9 Oct 89	JL
	C) Function						9 Oct 89	JL
660	Pack						14 Oct 89	JL

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 8913DATE 3-26-90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.51		2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.50		2.37	
PULL #3	2.56	2.48		2.34	
PULL #4	2.55	2.48		2.33	
PULL #5	2.49	2.45		2.39	
TOTAL	12.38	12.42		11.83	
AVG.	2.476	2.484		2.366	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.28		
PULL #2	3.29	3.06		
PULL #3	3.26	3.26		
PULL #4	3.52	3.23		
PULL #5	3.60	3.22		
TOTAL	17.06	16.05		
AVG.	3.412	3.21		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.51		
PULL #2	4.05	4.50		
PULL #3	4.44	4.49		
PULL #4	4.46	4.48		
PULL #5	4.50	4.44		
TOTAL	21.74	22.42		
AVG.	4.348	4.484		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348913
6 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.432094
1 TO	2	.572267
1 TO	3	.465695
1 TO	4	.232002
1 TO	5	.933083

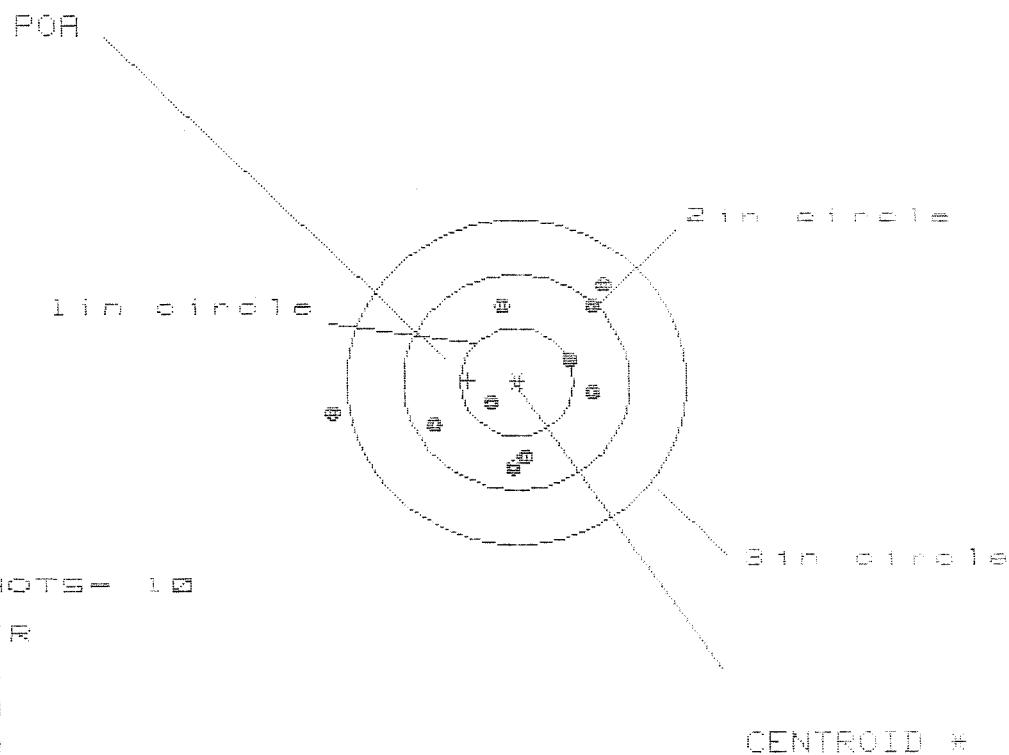
$\bar{x}$
41 <----POB
3

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0482
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .031
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0573003
THE AMR FOR THIS RIFLE IS: .9576

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08348913

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS= 2.439

VS= 1.743

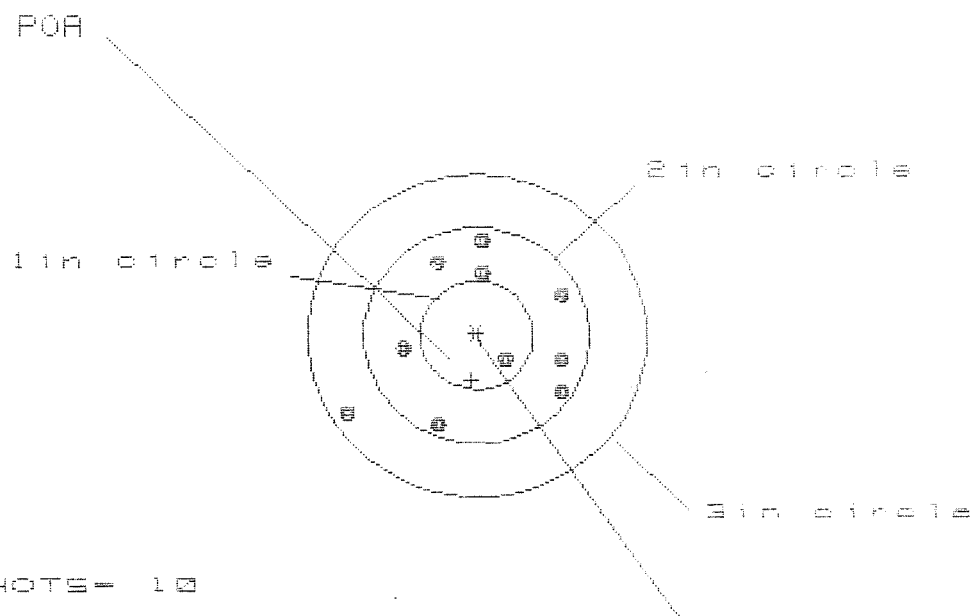
GS= 2.744

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.799	.616	.589
MINIMUM X	-1.640	-.922	-.845
MAXIMUM Y	.930	.894	.760
MINIMUM Y	-.813	-.849	-.737
CENTROID X	.432	.615	.538
CENTROID Y	-.009	.027	-.085
POR TO CENTROID in.	.432	.615	.544
MIN RADIUS	.281	.285	.339
MEAN RADIUS	.828	.713	.658
MAX RADIUS	1.673	1.086	.962
HORIZONTAL SPREAD	2.439	1.538	1.434
VERTICAL SPREAD	1.743	1.743	1.497
EXTREME SPREAD	2.744	2.024	1.789
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

6 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348913

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 9

3 in = 10

HSE= 1.952

VSE= 1.695

GSE= 2.232

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.785	.655	.646
MINIMUM X	:	-1.167	-.745	-.754
MAXIMUM Y	:	.903	.828	.760
MINIMUM Y	:	-.792	-.867	-.763
CENTROID X	:	.051	.181	.198
CENTROID Y	:	.418	.493	.389
POA TO CENTROID in.	:	.421	.525	.433
MIN RADIUS	:	.336	.348	.245
MEAN RADIUS	:	.807	.731	.708
MAX RADIUS	:	1.347	1.007	.930
HORIZONTAL SPREAD	:	1.952	1.400	1.400
VERTICAL SPREAD	:	1.695	1.695	1.523
EXTREME SPREAD	:	2.232	1.751	1.679
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C68348913

CENTERFIRE PATTERNS # 3

POR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS = 2.880

VS = 1.870

GS = 2.938

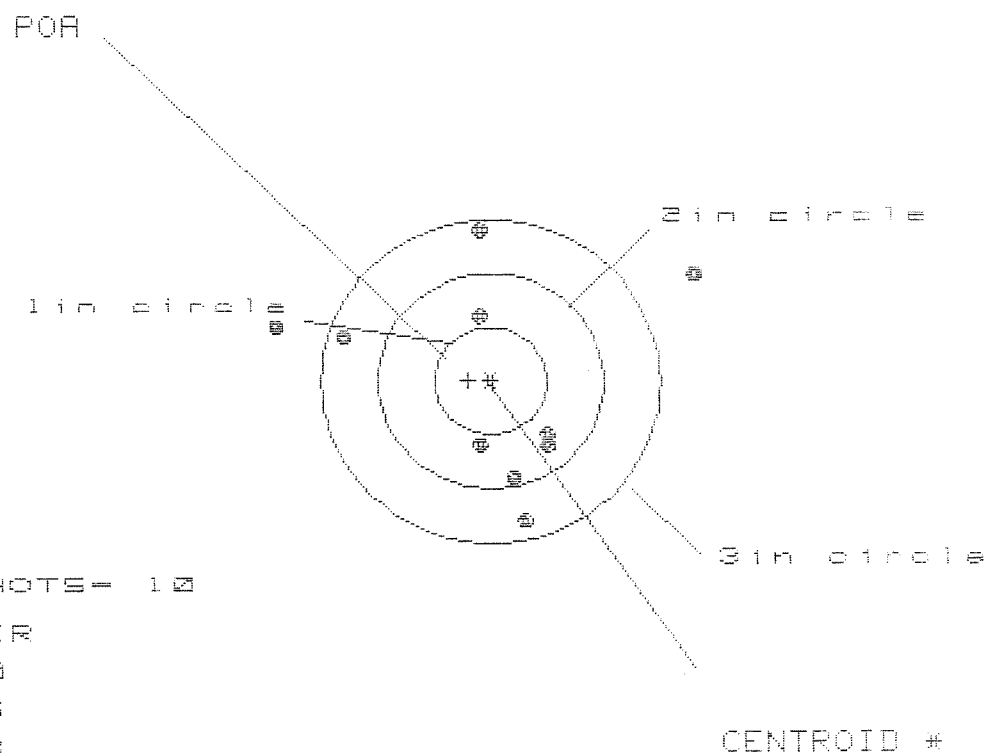
CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.210
MINIMUM X	-1.670
MAXIMUM Y	.977
MINIMUM Y	-.893
CENTROID X	-.014
CENTROID Y	.125
POR TO CENTROID in.	.126
MIN RADIUS	.621
MEAN RADIUS	1.007
MAX RADIUS	1.670
HORIZONTAL SPREAD	2.880
VERTICAL SPREAD	1.870
EXTREME SPREAD	2.938
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	9

6 Oct 1995

FILE:/PATTERNING/CENTERFIRE_PATT/C634B313

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS = 3.622

VS = 2.718

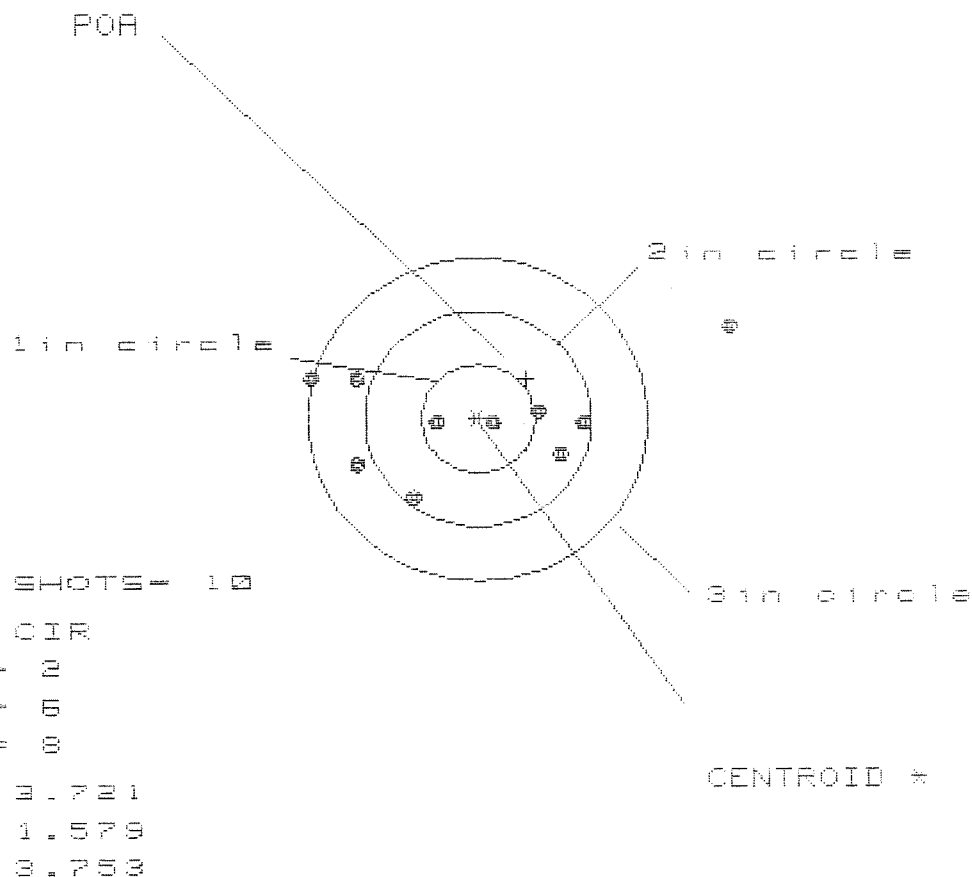
GS = 3.661

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.765	.706	.499
MINIMUM X	:	-1.857	-1.661	-1.285
MAXIMUM Y	:	1.386	1.500	1.577
MINIMUM Y	:	-1.332	-1.218	-1.141
CENTROID X	:	.200	.004	.211
CENTROID Y	:	-.008	-.122	-.199
POR TO CENTROID in.	:	.200	.122	.290
MIN RADIUS	:	.560	.518	.426
MEAN RADIUS	:	1.163	1.059	.913
MAX RADIUS	:	2.045	1.770	1.579
HORIZONTAL SPREAD	:	3.622	2.357	1.784
VERTICAL SPREAD	:	2.718	2.718	2.718
EXTREME SPREAD	:	3.661	2.830	2.744
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348913

CENTERFIRE PATTERNS # 5



PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	2.257
MINIMUM X	-1.464
MAXIMUM Y	.843
MINIMUM Y	-.736
CENTROID X	-.428
CENTROID Y	-.371
POA TO CENTROID in.	.567
MIN RADIUS	.133
MEAN RADIUS	.983
MAX RADIUS	2.410
HORIZONTAL SPREAD	3.721
VERTICAL SPREAD	1.579
EXTREME SPREAD	3.753
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	8