

C6349076

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: **RE00089033** Serial: C6349076 Model: M24 SV/S Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 12/6/2004 7:41:35 AM

Verify Repair

Address Information

Customer: (S) Received From Return To (S) Received From

Name: **TRANSPORTATION OFFICER** **TRANSPORTATION OFFICER**

Address 1: **DEF DIST DEPOT ANNISTON AL** **DEF DIST DEPOT ANNISTON AL**

Address 2: **PO Box** **PO Box**

City: **ANNISTON** **ANNISTON**

State: **AL** Zip Code: **36201** Country: **US** State: **AL** Zip Code: **36201** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Condition: **Good**

Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope W/CASE	1
A055	Deployment Kit	1
A057	Front and Rear Sgt Base	1

Repair Search Refresh Close

inqltj 12/6/2004 8:53 AM CARS NUM INS SCRL

start 2 2 2 2

Serial Number: **C6349076**

Model: **M24 SWS**



RE00089033

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349076.___0
FILE DATE AND TIME: 01/10/2005 10:53

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.053
The Average Y Centroid of the Five Target Set:	-0.049
The Average Point of Impact of the Five Target Set:	0.072
The Average Mean Radius of the Five Target Set:	0.685
The Distance from POA to Centroid Target #1:	0.125
The Distance from Centroid Target #2 to Centroid Target #1:	0.193
The Distance from Centroid Target #3 to Centroid Target #1:	0.205
The Distance from Centroid Target #4 to Centroid Target #1:	0.054
The Distance from Centroid Target #5 to Centroid Target #1:	0.099

SERIAL NUMBER: C6349076. __0

TARGET NUMBER: 1

FILE DATE: 01/10/2005

FILE TIME: 10:53

X CENTROID: -0.122

Y CENTROID: -0.027

POA TO CENTROID: 0.125

HORZ SPREAD: 1.940

VERT SPREAD: 1.856

GROUP SPREAD: 2.146

MIN RADIUS: 0.198

MAX RADIUS: 1.367

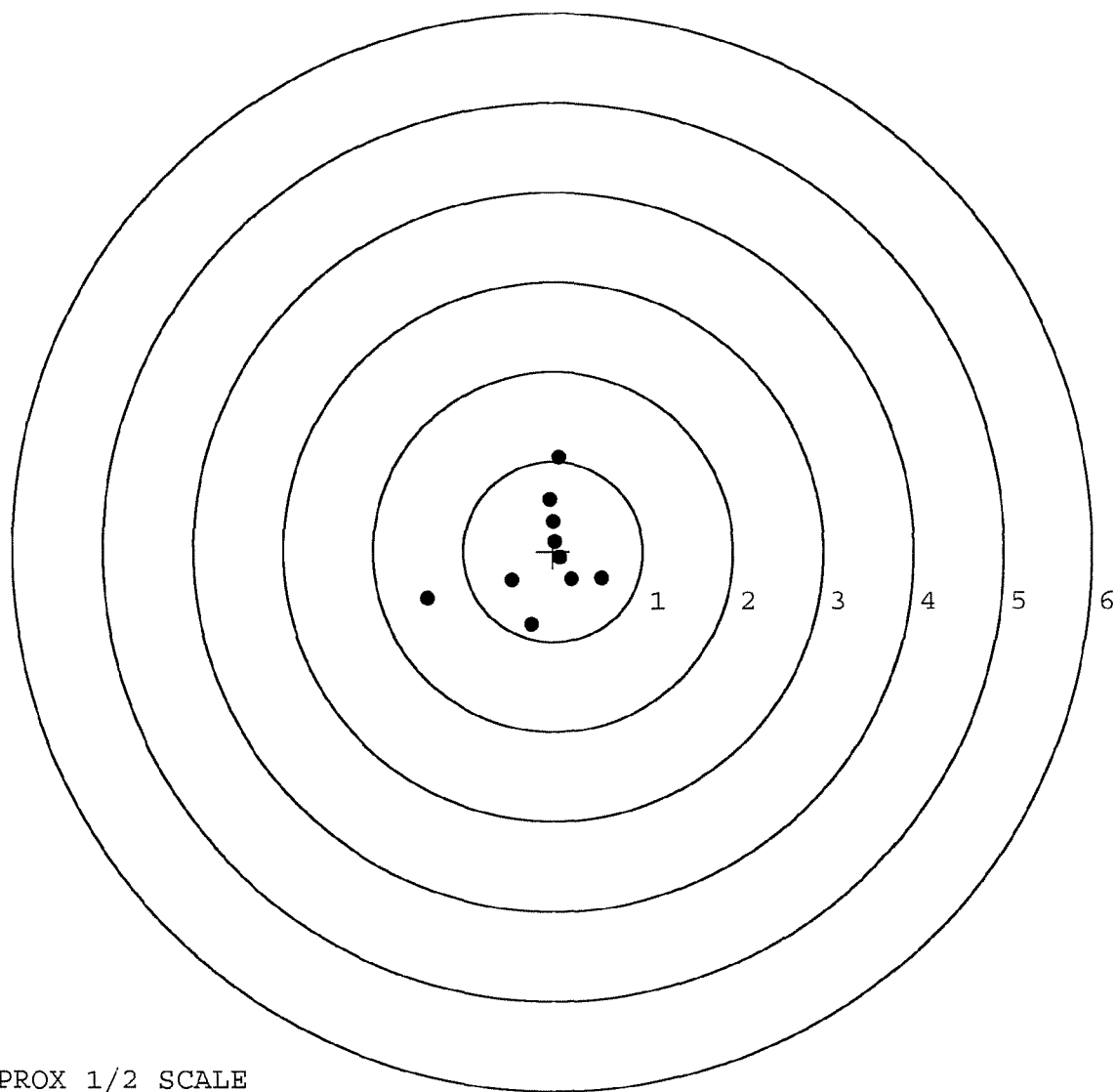
MEAN RADIUS: 0.624

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.545	-0.295
2:	0.203	-0.309
3:	-0.247	-0.811
4:	-0.465	-0.318
5:	-1.395	-0.525
6:	0.068	1.045
7:	-0.036	0.577
8:	0.006	0.332
9:	0.022	0.109
10:	0.079	-0.072



TARGET APPROX 1/2 SCALE

BARBER - M24 0107298

SERIAL NUMBER: C6349076. 0

TARGET NUMBER: 2

FILE DATE: 01/10/2005

FILE TIME: 10:53

X CENTROID: 0.040

Y CENTROID: -0.132

POA TO CENTROID: 0.138

HORZ SPREAD: 1.404

VERT SPREAD: 1.337

GROUP SPREAD: 1.816

MIN RADIUS: 0.373

MAX RADIUS: 0.910

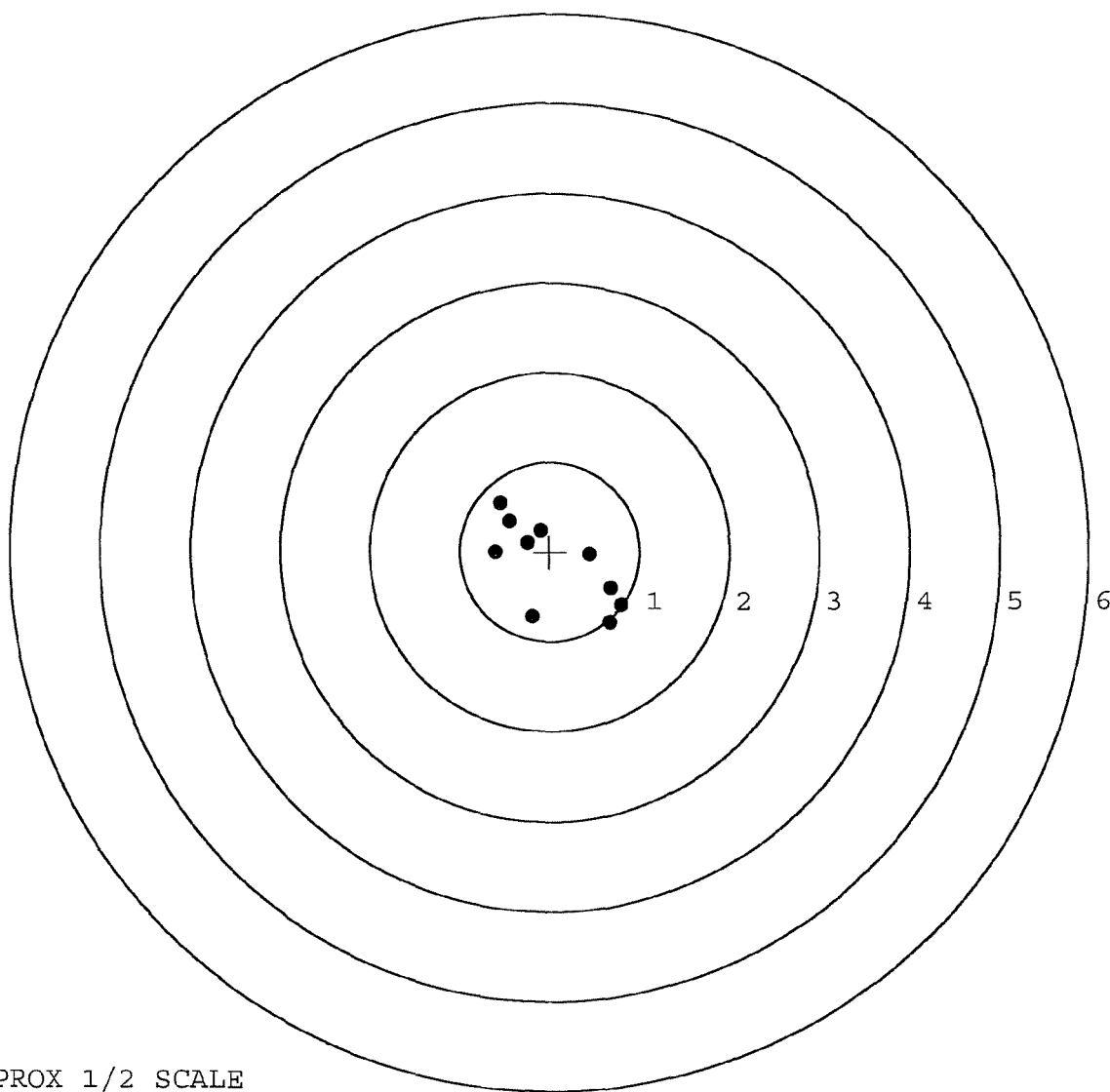
MEAN RADIUS: 0.657

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.670	-0.789
2:	0.796	-0.596
3:	0.675	-0.405
4:	0.443	-0.027
5:	-0.200	-0.730
6:	-0.608	-0.004
7:	-0.559	0.548
8:	-0.112	0.236
9:	-0.252	0.100
10:	-0.454	0.342



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349076. __ 0

TARGET NUMBER: 3

FILE DATE: 01/10/2005

FILE TIME: 10:53

X CENTROID: 0.077

Y CENTROID: 0.023

POA TO CENTROID: 0.080

HORZ SPREAD: 1.122

VERT SPREAD: 2.200

GROUP SPREAD: 2.236

MIN RADIUS: 0.285

MAX RADIUS: 1.459

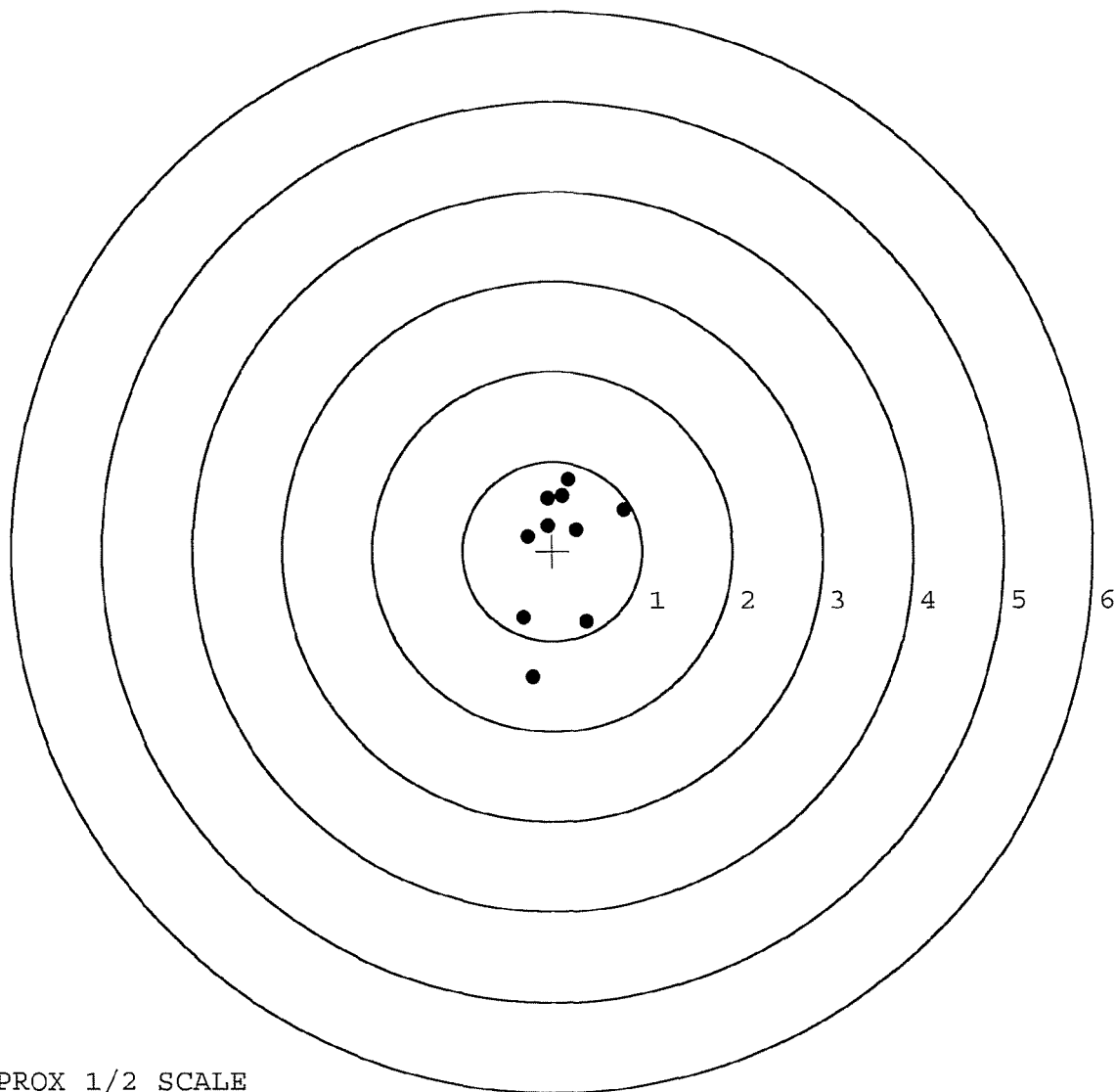
MEAN RADIUS: 0.694

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.224	-1.405
2:	0.375	-0.780
3:	-0.330	-0.742
4:	0.792	0.463
5:	0.175	0.795
6:	0.112	0.619
7:	-0.059	0.590
8:	0.260	0.241
9:	-0.056	0.285
10:	-0.280	0.161



TARGET APPROX 1/2 SCALE

BARBER - M24 0107300

SERIAL NUMBER: C6349076. __0

TARGET NUMBER: 4

FILE DATE: 01/10/2005

FILE TIME: 10:53

X CENTROID: -0.072

Y CENTROID: -0.006

POA TO CENTROID: 0.072

HORZ SPREAD: 1.902

VERT SPREAD: 1.469

GROUP SPREAD: 2.112

MIN RADIUS: 0.360

MAX RADIUS: 1.219

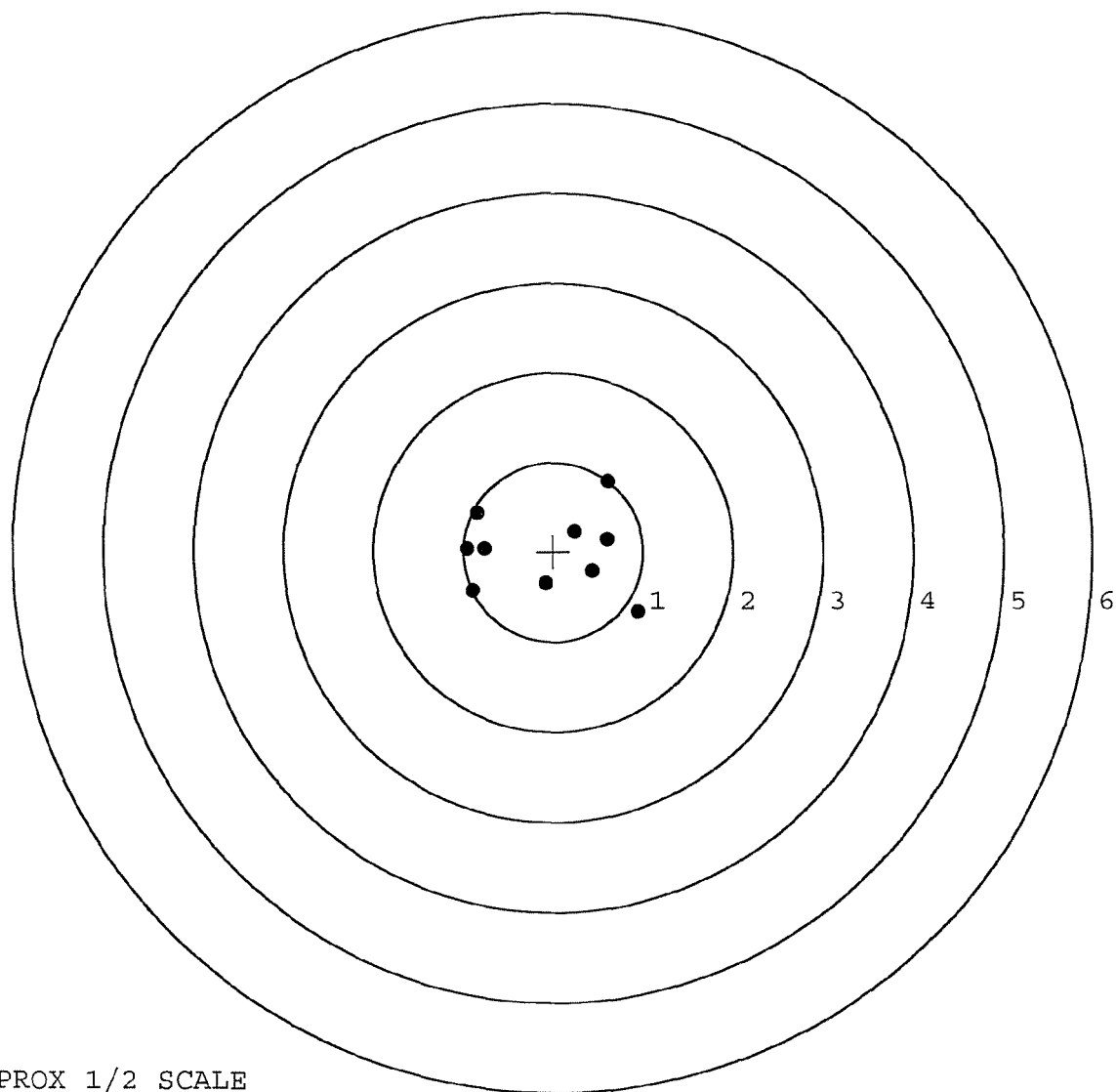
MEAN RADIUS: 0.767

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.946	-0.677
2:	0.436	-0.225
3:	0.608	0.792
4:	0.245	0.224
5:	-0.087	-0.366
6:	-0.897	-0.441
7:	-0.764	0.036
8:	-0.956	0.028
9:	-0.851	0.432
10:	0.602	0.135



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349076. __0

TARGET NUMBER: 5

FILE DATE: 01/10/2005

FILE TIME: 10:53

X CENTROID: -0.188

Y CENTROID: -0.100

POA TO CENTROID: 0.213

HORZ SPREAD: 2.040

VERT SPREAD: 1.283

GROUP SPREAD: 2.253

MIN RADIUS: 0.068

MAX RADIUS: 1.164

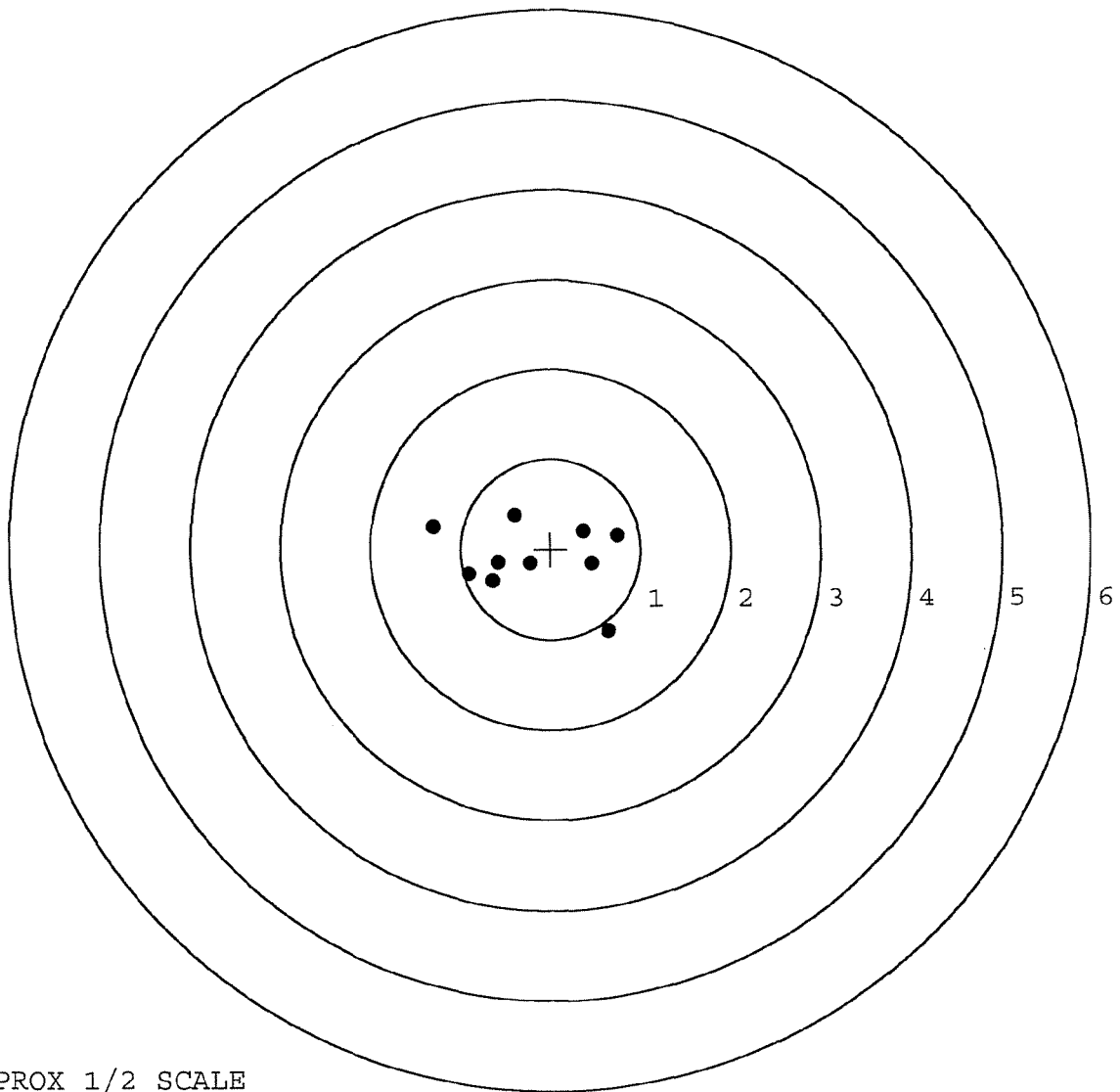
MEAN RADIUS: 0.683

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.635	-0.908
2:	0.741	0.155
3:	0.456	-0.159
4:	0.373	0.204
5:	-0.228	-0.156
6:	-0.406	0.375
7:	-1.299	0.248
8:	-0.911	-0.268
9:	-0.648	-0.350
10:	-0.593	-0.145



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

BARBER M24 9107302

SERIAL NO.

2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

DATE 12-6-04

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.58	2.34		2.06	
PULL #2	2.77	2.53		2.35	
PULL #3	2.01	2.27		2.30	
PULL #4	2.69	2.18		2.18	
PULL #5	2.87	2.06		2.14	
TOTAL	12.92	11.38		11.03 ^{TRW}	
AVERAGE	2.58	2.27		2.20	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.15		
PULL #2	3.31	3.14		
PULL #3	3.01	3.06		
PULL #4	3.12	3.01		
PULL #5	3.07	3.03		
TOTAL	15.58	15.39		
AVERAGE	3.11	3.07		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.07	4.04		4.15
PULL #2	4.13	4.44		4.15
PULL #3	4.11	4.01		4.14
PULL #4	4.07	4.01		4.13
PULL #5	4.03	3.99		4.13
TOTAL	20.41	20.49		20.70
AVERAGE	4.08	4.09		4.14

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

R & E NUMBER	89033		
SERIAL NUMBER	C6349076		
LOG-IN DATE	12-6-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-7-04	RTZ
560 A	RE-BARREL	12-15-04	RTZ
B	DRILL AND TAP	12-27-04	TRJ
575	ASSEMBLE	12-16-04	RTZ
600	PROOF	12-16-04	RTZ
605	CHECK HEADSPACE	12-16-04	RTZ
610	DIS-ASSEMBLE GUN	12-27-04	RTZ
612	MAGNAFLUX	OPERATOR	JA
615	ROLLMARK CALIBER	12-27-04	CW
618	ROTO-BLAST	12/28/04	DL
620	APPLY COATINGS	1/3/05	NA
625 A	FINAL ASSEMBLY	1-7-05	RTZ
B	TRIGGER PULL TEST	1-11-05	AC
C	SAFETY "ON" FORCE	1-11-05	R
D	SAFETY "OFF" FORCE	1-11-05	A
E	FIRING PIN INDENT	1-11-05	A
640	TARGET	1-10-05	AC
655	FINAL INSPECT	1-11-05	AC
660	PACK	3-1-05	RA
		SHIP DATE	
	QAR INSPECTION DATE		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349076

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 30	90	RW
600	Proof	1 30	90	K
607	Check Headspace	1 30	90	K
610	Dis-assemble Gun	1 30	90	RW
612	Magnaflux Barrel Action	2-5-90		KER
	Magnaflux Bolt	2-5-90		
615	Rollmark Caliber	2-5-90		CS
617	Drill and Tap Sight Holes	2-5-90		FB
618	Polish Barrel RW	2-5-90		WB
620	Apply Coatings (Barrel Action)		2-11-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		3/19/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/19/90	WB
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/19/90	RL

BARBER - M24 0107305		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	4	4	4			4/20/90	gll
	G) Safety Off Force	3	3	3			4/20/90	gll
	H) Trigger Pull Test & Retainability						4/19/90	gll
	I) Firing Pin Indent	.023	.022	.022			4/20/90	gll
	J) Assemble Stock						4/20/90	RW
	K) Assemble Swivel Studs						4/30/90	WB
	L) Attach Front and Rear Sight Assemblies						4/20/90	RW
	M) Iron Sight Alignment						4/20/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/20/90	RW
	O) Attach Scope to Rifle						4/20/90	WB
	P) Detach & Attach Scope 20 Times						4/20/90	WB
640	Gallery Target & Test						4-23-90	DH
	A) Time						4-23-90	DH
	B) Malfunctions						4-23-90	DH
	C) Pierced Primers						4-23-90	DH
	D) Optical Clarity of Scope						4-23-90	DH
645	Inspect for Live Ammo						4-23-90	DH
655	Final Inspection						4/30/90	WB
	A) Headspace							
	B) Trigger Pull	2.57	2.65	2.66	2.67	2.67	4/26/90	WB
	C) Function						4/30/90	WB
660	Pack						6-19-90	DH

MOD.		GA. CAL.	GUN #	ASSEM. #
#	DATE	C6349076		
TEST	DATE	MALFUNCTION/DEFECT		
	1st	<i>slow brass +</i> <i>Unit eject</i>		
	4/23/90			
	2nd			
	3rd			
	4th			
		FUNCTION		RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Ream Ejector	RW
TEST	hole	4/25
TGT	Polish Ejector	40
PROOF	4/25/90	
TEST	60 Rols OK	R
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

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

SERIAL NO. 06349076DATE 4/19/90TESTER GU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.37	2.21	2.57	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.18	2.37	2.30	2.65	
PULL #3	2.41	2.24	2.32	2.66	
PULL #4	2.39	2.24	2.23	2.66	
PULL #5	2.39	2.21	2.30	2.67	
TOTAL	11.93	11.43	11.36		
AVG.	2.386	2.286	2.272		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.32		
PULL #2	3.46	3.43		
PULL #3	3.43	3.30		
PULL #4	3.46	3.36		
PULL #5	3.46	3.34		
TOTAL	17.28	16.75		
AVG.	3.456	3.35		

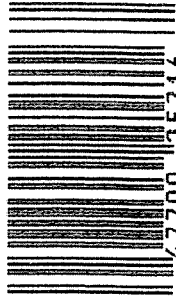
	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.22		4.17
PULL #2	4.23	4.29		4.44
PULL #3	4.15	4.28		4.46
PULL #4	4.22	4.27		4.42
PULL #5	4.25	4.26		4.40
TOTAL	21.15	21.32		21.89
AVG.	4.23	4.264		4.378

Remington  REG. U.S. PAT. & TM. OFF.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6349076
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off. Marca Registrada Marquo Deposee.		ORDER NO. 5716



5716 C6349076

LPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349076
23 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.700517
1 TO	2	.512041
1 TO	3	.722391
1 TO	4	.731749
1 TO	5	1.0122

1
4²st 5 <----POA

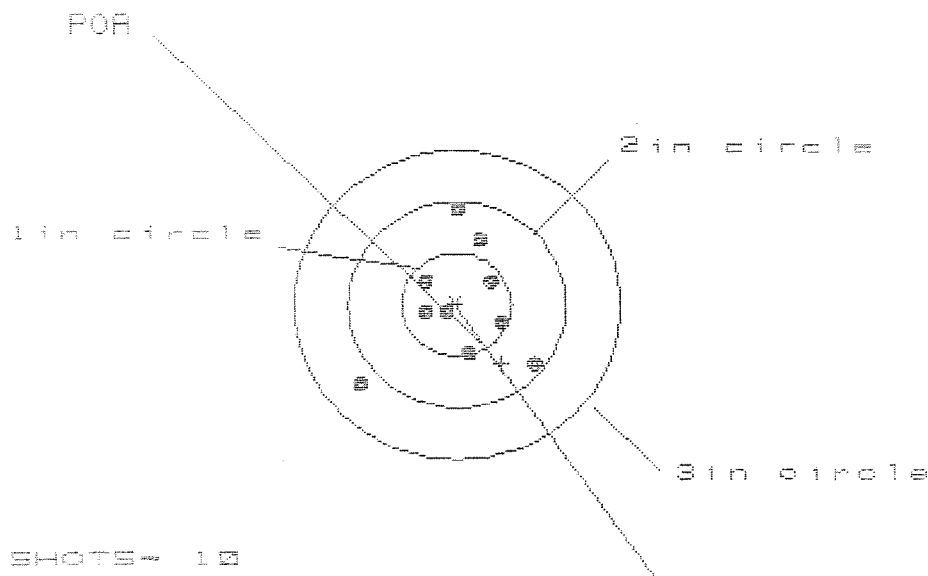
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.282
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0602
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .21078

THE AMR FOR THIS RIFLE IS: .678

23 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349076

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 6

2in = 9

3in = 10

HS= 1.641

VS= 1.644

CS= 1.888

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.797

.603

.592

MINIMUM X

-.934

-.425

-.436

MAXIMUM Y

.914

.832

.674

MINIMUM Y

-.730

-.634

-.529

CENTROID X

-.410

-.386

-.295

CENTROID Y

.568

.650

.545

POA TO CENTROID in.

.791

.719

.620

MIN RADIUS

.088

.216

.200

MEAN RADIUS

.578

.511

.464

MAX RADIUS

1.186

.875

.794

HORIZONTAL SPREAD

1.641

1.028

1.028

VERTICAL SPREAD

1.644

1.466

1.204

EXTREME SPREAD

1.900

1.620

1.322

NUMBER IN ONE INCH CIRCLE =

6

NUMBER IN TWO INCH CIRCLE =

9

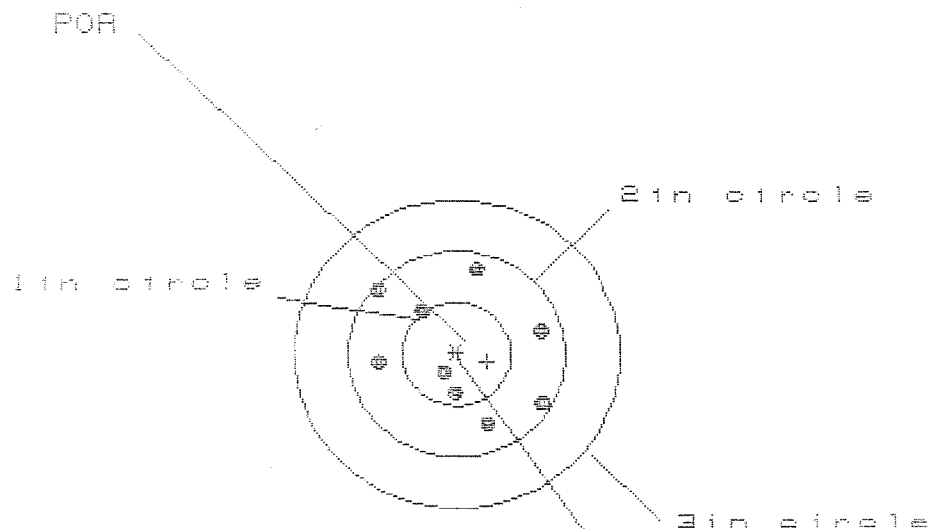
NUMBER IN THREE INCH CIRCLE =

10

23 Apr 1980

FILE:/PATTERNING/CENTERFIRE_PATT/08349076

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 0

2in = 10

3in = 10

HDI = 1.518

VSD = 1.466

GSI = 1.845

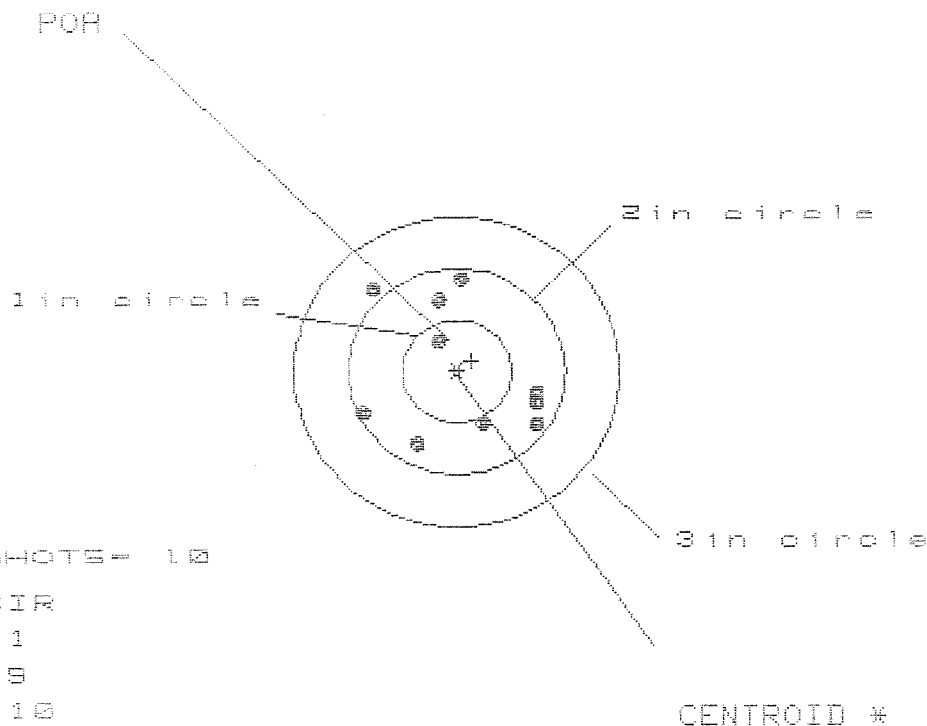
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.771	.689	.774
MINIMUM X	-.747	-.829	-.744
MAXIMUM Y	.788	.858	.812
MINIMUM Y	-.678	-.608	-.654
CENTROID X	-.279	-.197	-.282
CENTROID Y	.073	.003	.049
POR TO CENTROID in.	.289	.197	.286
MIN RADIUS	.189	.197	.167
MEAN RADIUS	.642	.594	.566
MAX RADIUS	.974	.861	.826
HORIZONTAL SPREAD	1.518	1.518	1.518
VERTICAL SPREAD	1.466	1.466	1.466
EXTREME SPREAD	1.845	1.555	1.539
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		10	
NUMBER IN THREE INCH CIRCLE =		10	

23 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349076

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 9

3 in = 10

HS= 1.570

VS= 1.574

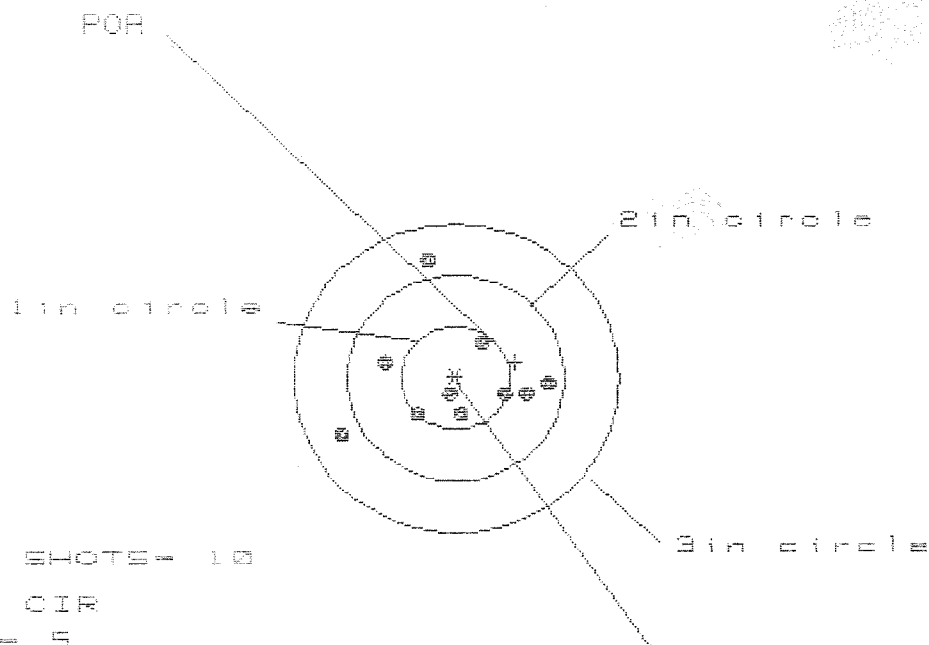
GS= 2.006

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.713	.623	.505
MINIMUM X	-.857	-.947	-.550
MAXIMUM Y	.858	.946	.913
MINIMUM Y	-.716	-.628	-.661
CENTROID X	-.135	-.045	.073
CENTROID Y	-.100	-.188	-.155
POR TO CENTROID IN.	.168	.193	.171
MIN RADIUS	.339	.454	.469
MEAN RADIUS	.770	.718	.672
MAX RADIUS	1.128	.983	.926
HORIZONTAL SPREAD	1.570	1.570	1.055
VERTICAL SPREAD	1.574	1.574	1.574
EXTREME SPREAD	2.006	1.623	1.623
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

23 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349076

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 5

2 in = 8

3 in = 10

HS = 1.901

VS = 1.764

GS = 1.982

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.879

.853

.722

MINIMUM X

:

-1.022

-1.048

-.790

MAXIMUM Y

:

1.173

.525

.467

MINIMUM Y

:

-.591

-.461

-.302

CENTROID X

:

-.546

-.520

-.389

CENTROID Y

:

-.151

-.281

-.223

POA TO CENTROID in.

:

.566

.592

.449

MIN RADIUS

:

.197

.091

.231

MEAN RADIUS

:

.654

.566

.492

MAX RADIUS

:

1.195

1.144

.829

HORIZONTAL SPREAD

:

1.901

1.901

1.512

VERTICAL SPREAD

:

1.764

.986

.769

EXTREME SPREAD

:

1.982

1.982

1.527

NUMBER IN ONE INCH CIRCLE =

:

5

NUMBER IN TWO INCH CIRCLE =

:

8

NUMBER IN THREE INCH CIRCLE =

:

10

23 Apr 1980

FILE:/PATTERNING/CENTERFIRE_PATT/08349076

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 4

2 in = 6

3 in = 10

HS= 2.135

VS= 2.141

GS= 2.149

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.195	1.165	.564
MINIMUM X	-.940	-.970	-.824
MAXIMUM Y	.962	.831	.832
MINIMUM Y	-1.179	-.811	-.810
CENTROID X	.360	.390	.244
CENTROID Y	-.089	.042	.041
POA TO CENTROID in.	.370	.392	.248
MIN RADIUS	.269	.168	.266
MEAN RADIUS	.746	.676	.641
MAX RADIUS	1.211	1.165	.885
HORIZONTAL SPREAD	2.135	2.135	1.388
VERTICAL SPREAD	2.141	1.642	1.642
EXTREME SPREAD	2.149	2.149	1.697
NUMBER IN ONE INCH CIRCLE	= 4		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		