

C6498758

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

BARBER - M24 0007129

File: Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00092975** Serial: **C6498758** Model: **M24 SWS** Center Fire Caliber: **7.62 NATO** Produced: **05/19/1990** Repairman: Status: **Closed 2/11/2005 7:30:30 AM**

Verify Repair

Address Information

Customer: ☒ Received From ☐ Return To ☐ Received From

Name: **DEF DIST DEPOT ANNISTON** **DEF DIST DEPOT ANNISTON**

Address 1: Address 2: PO Box:

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

State: **AL** Zip Code: **362014199** Country: **US** State: **AL** Zip Code: **362014199** 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
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search **Refresh** **Close**

Trace: 2/14/2005 8:10 AM CAPS: NUM: INS: SCPL:

start 5 2 3 Arms Service

Serial Number: **C6498758**

Model: **M24 SWS**



RE00092975

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498758.___0

FILE DATE AND TIME: 03/24/2005 08:54

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

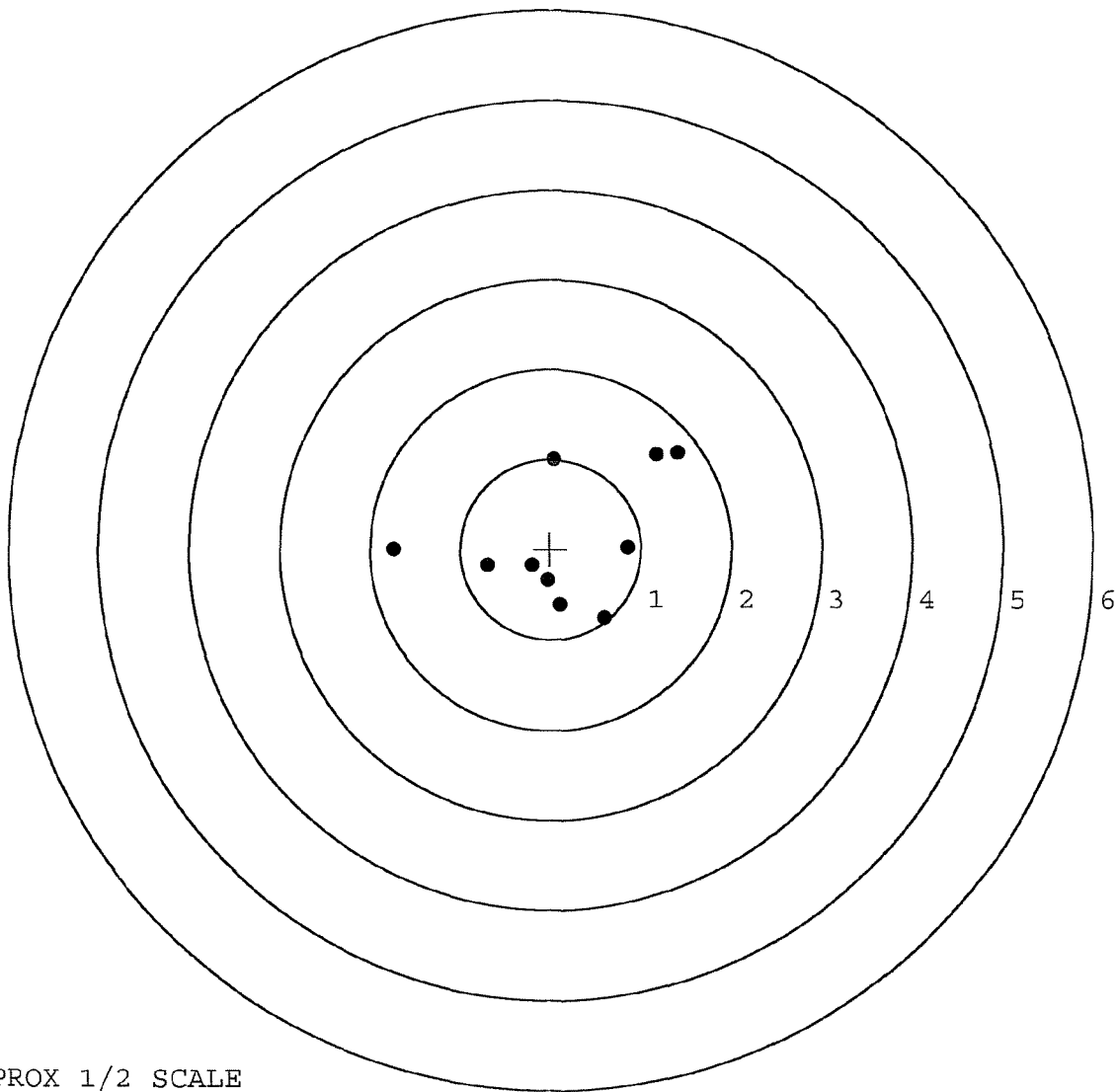
The Average X Centroid of the Five Target Set:	0.085
The Average Y Centroid of the Five Target Set:	-0.035
The Average Point of Impact of the Five Target Set:	0.092
The Average Mean Radius of the Five Target Set:	0.846
The Distance from POA to Centroid Target #1:	0.184
The Distance from Centroid Target #2 to Centroid Target #1:	0.260
The Distance from Centroid Target #3 to Centroid Target #1:	0.124
The Distance from Centroid Target #4 to Centroid Target #1:	0.314
The Distance from Centroid Target #5 to Centroid Target #1:	0.372

BARBER - M24 0007131

SERIAL NUMBER: C6498758. __0
 TARGET NUMBER: 1
 FILE DATE: 03/24/2005
 FILE TIME: 08:54

X CENTROID: 0.151
 Y CENTROID: 0.106
 POA TO CENTROID: 0.184
 HORZ SPREAD: 3.140
 VERT SPREAD: 1.843
 GROUP SPREAD: 3.324
 MIN RADIUS: 0.457
 MAX RADIUS: 1.890
 MEAN RADIUS: 1.003
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.404	1.082
2:	1.172	1.056
3:	0.040	1.000
4:	0.853	0.023
5:	-0.700	-0.183
6:	-1.736	-0.008
7:	-0.028	-0.353
8:	0.110	-0.614
9:	0.598	-0.761
10:	-0.204	-0.182



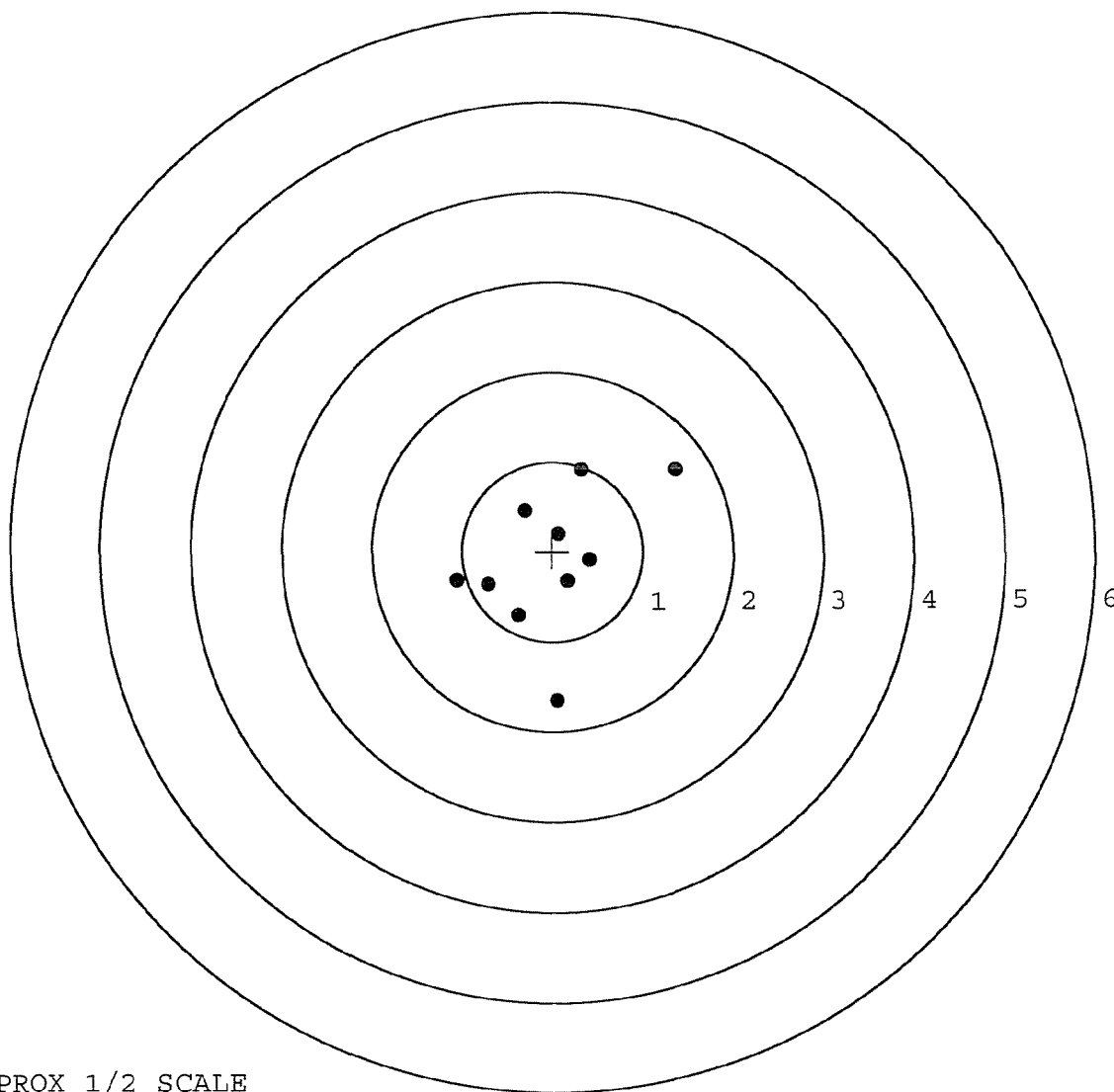
TARGET APPROX 1/2 SCALE

BARBER - M24 0007132

SERIAL NUMBER: C6498758. __0
 TARGET NUMBER: 2
 FILE DATE: 03/24/2005
 FILE TIME: 08:54

POINT#	X	Y
1:	1.361	0.911
2:	0.326	0.920
3:	-0.303	0.460
4:	0.073	0.195
5:	0.405	-0.095
6:	0.165	-0.331
7:	-0.384	-0.710
8:	-0.715	-0.367
9:	-1.059	-0.320
10:	0.053	-1.660

X CENTROID: -0.008
 Y CENTROID: -0.100
 POA TO CENTROID: 0.100
 HORZ SPREAD: 2.420
 VERT SPREAD: 2.580
 GROUP SPREAD: 2.885
 MIN RADIUS: 0.289
 MAX RADIUS: 1.702
 MEAN RADIUS: 0.852
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8



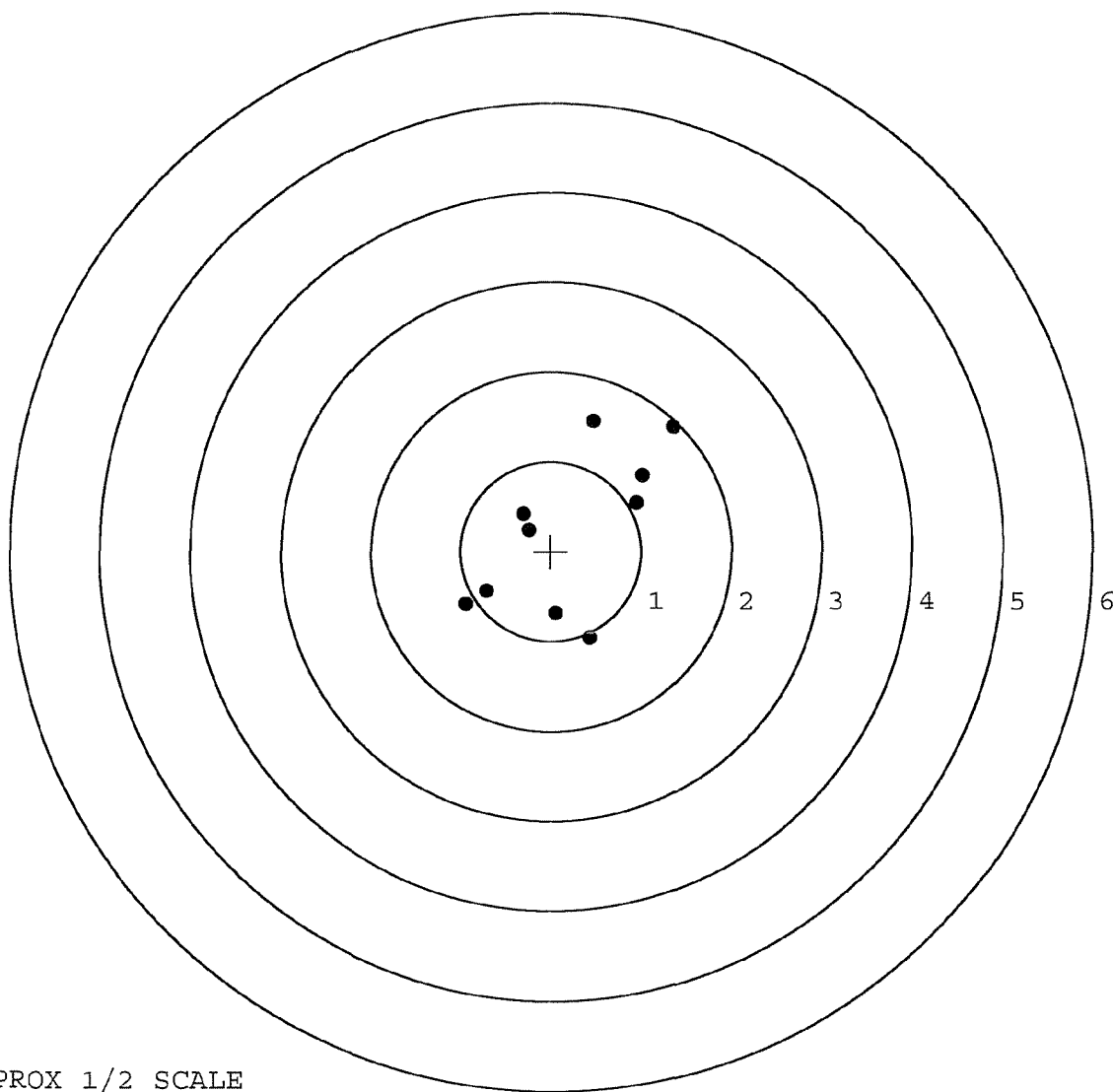
TARGET APPROX 1/2 SCALE

BARBER - M24 0007133

SERIAL NUMBER: C6498758. __0
 TARGET NUMBER: 3
 FILE DATE: 03/24/2005
 FILE TIME: 08:54

POINT#	X	Y
1:	1.013	0.849
2:	0.947	0.545
3:	1.349	1.391
4:	0.468	1.453
5:	-0.249	0.235
6:	-0.308	0.419
7:	-0.942	-0.596
8:	-0.714	-0.447
9:	0.056	-0.698
10:	0.433	-0.973

X CENTROID: 0.205
 Y CENTROID: 0.218
 POA TO CENTROID: 0.299
 HORZ SPREAD: 2.291
 VERT SPREAD: 2.426
 GROUP SPREAD: 3.033
 MIN RADIUS: 0.455
 MAX RADIUS: 1.638
 MEAN RADIUS: 1.042
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0007134

SERIAL NUMBER: C6498758. __0

TARGET NUMBER: 4

FILE DATE: 03/24/2005

FILE TIME: 08:54

POINT#	X	Y
1:	0.958	-0.100
2:	0.605	-0.605
3:	-0.151	-1.021
4:	-1.005	-1.136
5:	-0.431	0.487
6:	-0.522	1.217
7:	0.039	0.155
8:	0.163	-0.108
9:	-0.228	-0.196
10:	0.042	-0.020

X CENTROID: -0.053

Y CENTROID: -0.133

POA TO CENTROID: 0.143

HORZ SPREAD: 1.963

VERT SPREAD: 2.353

GROUP SPREAD: 2.402

MIN RADIUS: 0.147

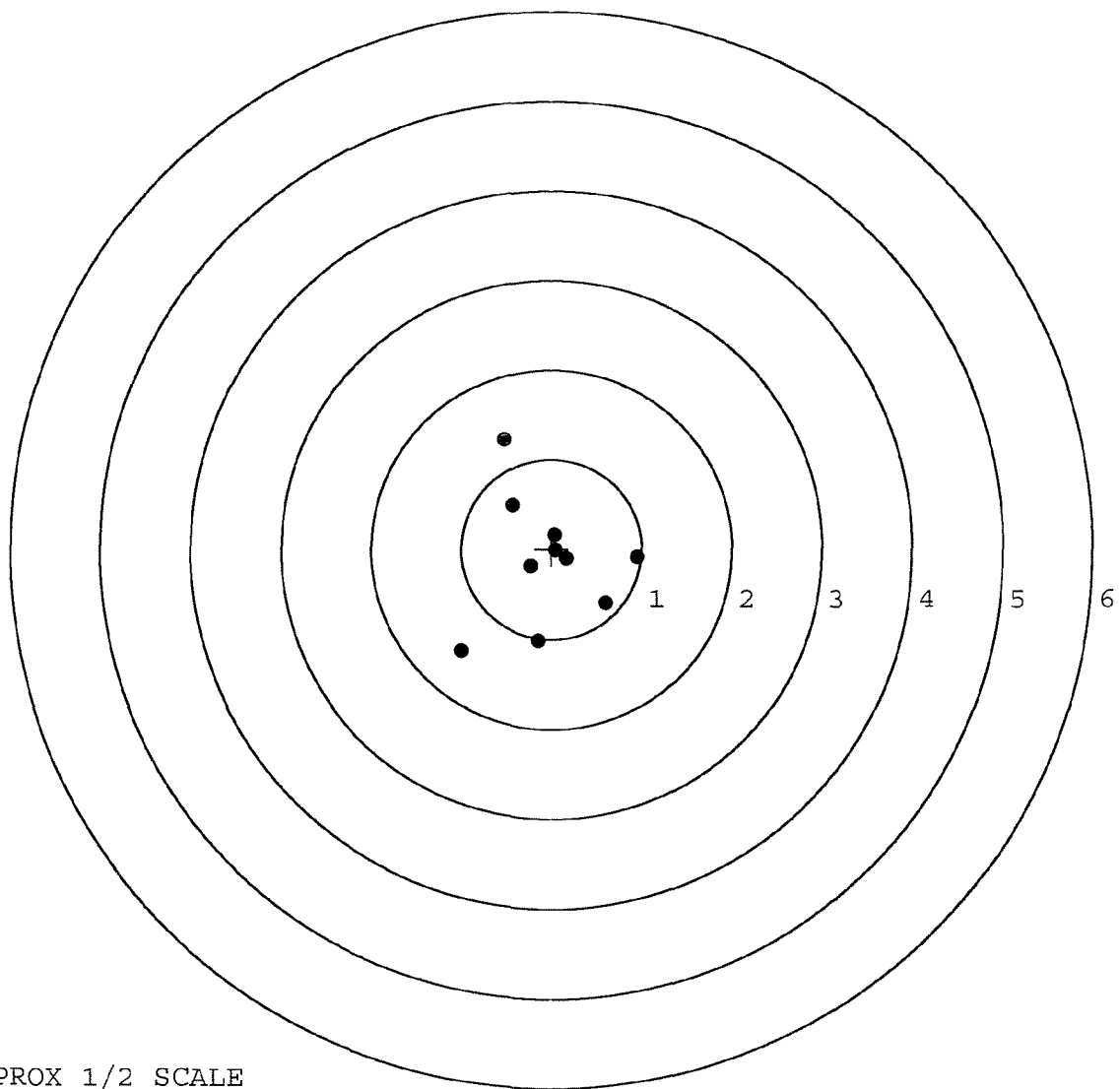
MAX RADIUS: 1.429

MEAN RADIUS: 0.711

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



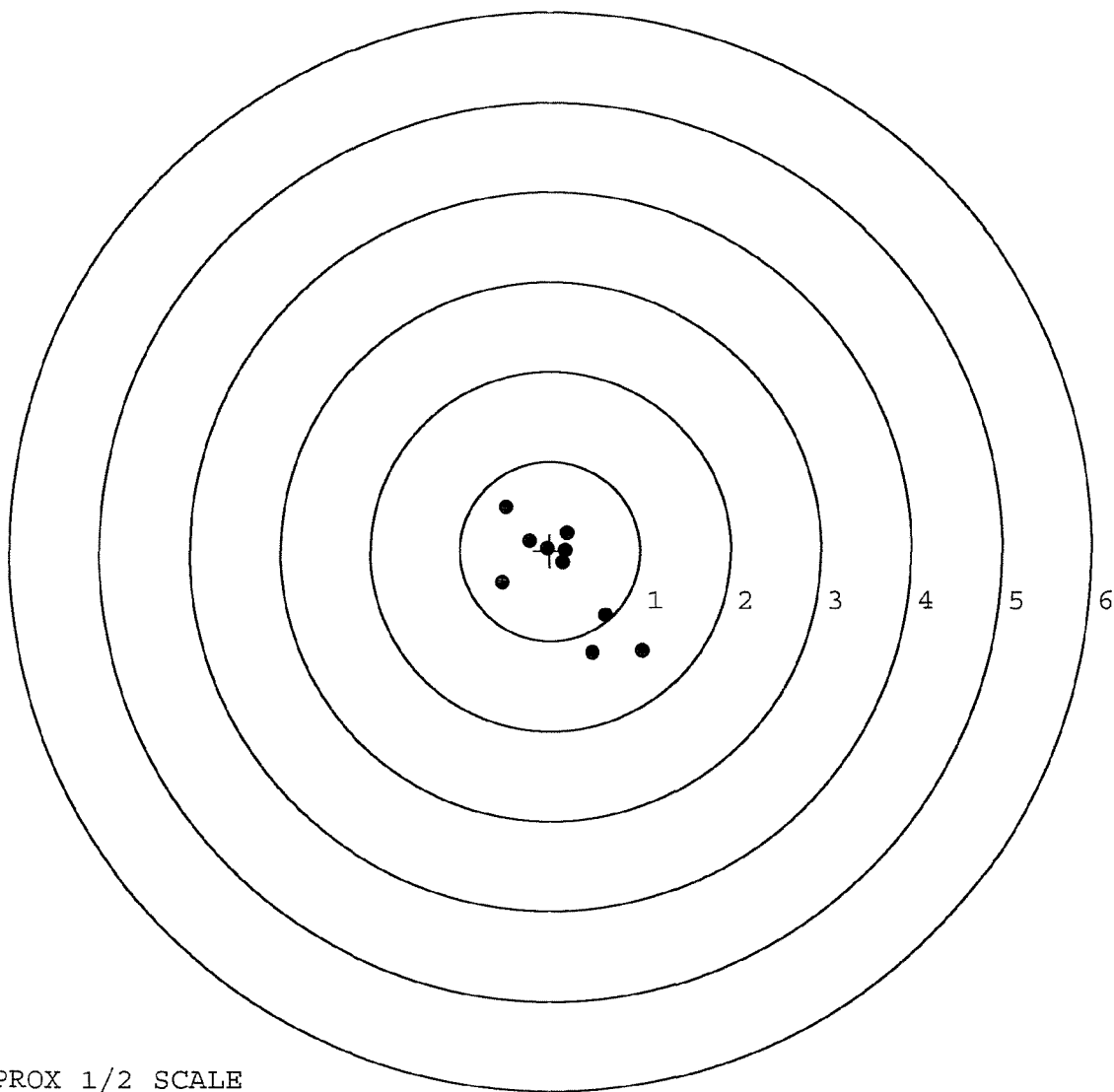
TARGET APPROX 1/2 SCALE

BARBER - M24 0007135

SERIAL NUMBER: C6498758. __0
 TARGET NUMBER: 5
 FILE DATE: 03/24/2005
 FILE TIME: 08:54

POINT#	X	Y
1:	1.022	-1.115
2:	0.472	-1.135
3:	0.615	-0.721
4:	-0.530	-0.365
5:	-0.498	0.493
6:	0.142	-0.137
7:	0.183	0.201
8:	-0.237	0.107
9:	-0.033	0.025
10:	0.171	-0.003

X CENTROID: 0.131
 Y CENTROID: -0.265
 POA TO CENTROID: 0.295
 HORZ SPREAD: 1.552
 VERT SPREAD: 1.628
 GROUP SPREAD: 2.213
 MIN RADIUS: 0.128
 MAX RADIUS: 1.232
 MEAN RADIUS: 0.620
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	92975		
SERIAL NUMBER	C10498758		
LOG-IN DATE	2-11-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-18-05	RTL
560 A	RE-BARREL	2-22-05	RTL
B	DRILL AND TAP	2-28-05	TRLW
575	ASSEMBLE	2-23-05	RTL
600	PROOF	2-24-05	AC
605	CHECK HEADSPACE	2-24-05	AC
610	DIS-ASSEMBLE GUN	2-24-05	RTL
612	MAGNAFLUX	OPERATOR	AD
615	ROLLMARK CALIBER	3-1-05	CW
618	ROTO-BLAST	3-3-05	LB
620	APPLY COATINGS	3/16/05	
625 A	FINAL ASSEMBLY	3-23-05	RTL
B	TRIGGER PULL TEST	3-31-05	TRLW
C	SAFETY "ON" FORCE	3-31-05	A
D	SAFETY "OFF" FORCE	3-31-05	A
E	FIRING PIN INDENT	3-31-05	A
640	TARGET	3-24-05	TRLW
655	FINAL INSPECT	3-31-05	A
660	PACK	4-4-05	RTA
		SHIP DATE	
QAR INSPECTION DATE			

AVERAGE BARBER - M24 0067176 EN
 INITIAL & CYCLE TESTS
 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)

SERIAL NO. _____

DATE

2-18-05

TESTER

TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.47	2.65		2.19	
PULL #2	2.41	2.47		2.11	
PULL #3	2.43	2.43		2.19	
PULL #4	2.42	2.34		2.27	
PULL #5	2.40	2.32		2.30	
TOTAL	12.13	12.21		11.06	
AVERAGE	2.42	2.44		2.21	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.13		
PULL #2	3.18	3.10		
PULL #3	3.15	3.05		
PULL #4	3.15	3.01		
PULL #5	3.12	2.95		
TOTAL	15.76	15.24		
AVERAGE	3.15	3.04		

	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	4.17	4.39		4.38
PULL #2	4.09	3.97		4.40
PULL #3	4.12	4.37		4.43
PULL #4	4.14	3.98		4.24
PULL #5	4.07	4.33		4.43
TOTAL	20.59	21.04		21.88
AVERAGE	4.11	4.20		4.37

Remington[®]

DU PONT
REG. U.S. PAT. & TM. OFF.

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

MODEL 700TM H24	SERIAL NO. C6498758
	ORDER NO. 5716

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

01



5716 C6498758



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498758

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		KCR
	Magnaflux Bolt	5-15-90		KCR
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		5/17/90	FIB
618	Polish Barrel RB		5/17/90	WLB
620	Apply Coatings (Barrel Action)		5-25-90	TA
	Apply Coating (Bolt)		5-25-90	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	HL

BARBER - M24 0007140		READINGS			DATE	INIT		
op. #	OP. NAME							
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2	5/30/90	WB		
	G) Safety Off Force	2 1/2	2 1/2	2 1/2	5/30/90	WB		
	H) Trigger Pull Test & Retainability				5/30/90	RL		
	I) Firing Pin Indent	.0235	.0235	.0235	5/30/90	WB		
	J) Assemble Stock				5/30/90	RW		
	K) Assemble Swivel Studs				6-6-90	QSS		
	L) Attach Front and Rear Sight Assemblies				5/30/90	RW		
	M) Iron Sight Alignment				5/30/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				5/30/90	RW		
	O) Attach Scope to Rifle				5/30/90	WB		
	P) Detach & Attach Scope 20 Times				5/30/90	WB		
640	Gallery Target & Test				6-1-90	A		
	A) Time				"	A		
	B) Malfunctions				"	A		
	C) Pierced Primers				"	A		
	D) Optical Clarity of Scope				"	A		
645	Inspect for Live Ammo				6-1-90	A		
655	Final Inspection							
	A) Headspace				6-8-90	QSS		
	B) Trigger Pull	255	242	256	254	251	6-6-90	QSS
	C) Function						6-6-90	QSS
660	Pack						6-9-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6498758

DATE 5/30/90

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.22	2.28	2.30	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.17	2.35	2.42	
PULL #3	2.22	2.22	2.20	2.56	
PULL #4	2.36	2.14	2.24	2.54	
PULL #5	2.27	2.31	2.36	2.57	
TOTAL	11.41	11.12	11.45		
AVG.	2.282	2.224	2.29		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.14		
PULL #2	3.46	3.49		
PULL #3	3.13	3.10		
PULL #4	3.18	3.11		
PULL #5	3.40	3.30		
TOTAL	16.64	16.14		
AVG.	3.328	3.228		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.28		4.27
PULL #2	4.21	4.25		4.30
PULL #3	4.48	4.24		4.37
PULL #4	4.28	4.13		4.34
PULL #5	4.48	4.43		4.25
TOTAL	21.70	21.33		21.53
AVG.	4.34	4.266		4.306

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498758
1 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.128876
1 TO	2	.239069
1 TO	3	.225204
1 TO	4	.243477
1 TO	5	.394129

4
10

<----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1122
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0772
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .136194

THE AMR FOR THIS RIFLE IS: .9318

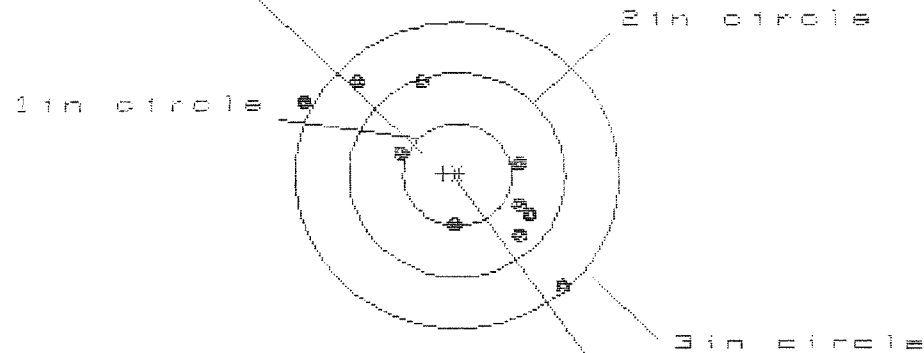
1 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08498758

CENTERFIRE PATTERNS

1

POA



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 5

CENTROID #

HS = 2.368

VS = 2.055

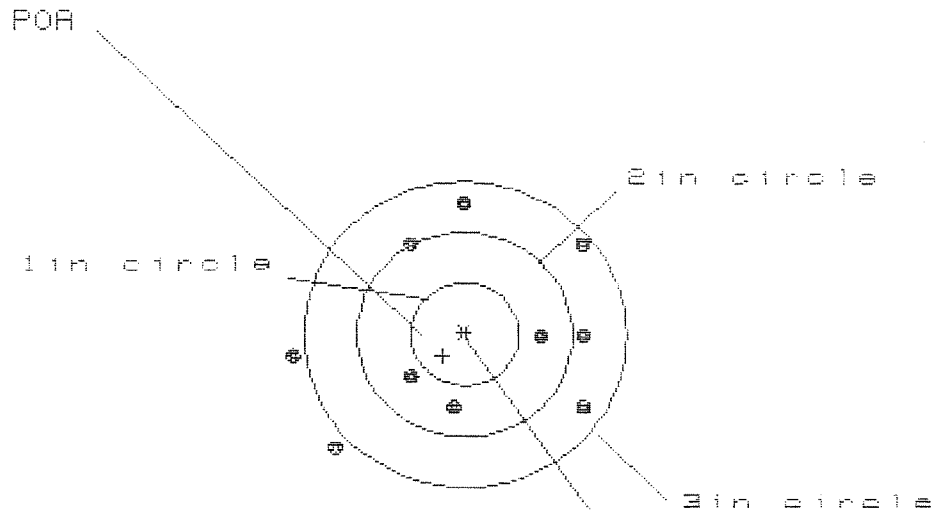
GS = 2.362

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.930	.771	.562
MINIMUM X	-1.438	-1.111	-1.015
MAXIMUM Y	.948	1.023	.894
MINIMUM Y	-1.107	-1.032	-.635
CENTROID X	.128	.287	.191
CENTROID Y	-.015	-.090	.039
POA TO CENTROID in.	.129	.301	.195
MIN RADIUS	.456	.436	.521
MEAN RADIUS	.921	.808	.769
MAX RADIUS	1.588	1.485	1.328
HORIZONTAL SPREAD	2.368	1.882	1.577
VERTICAL SPREAD	2.055	2.055	1.529
EXTREME SPREAD	2.962	2.759	2.101
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

1 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498758

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 0

2in = 3

3in = 8

HS = 2.690

VS = 2.438

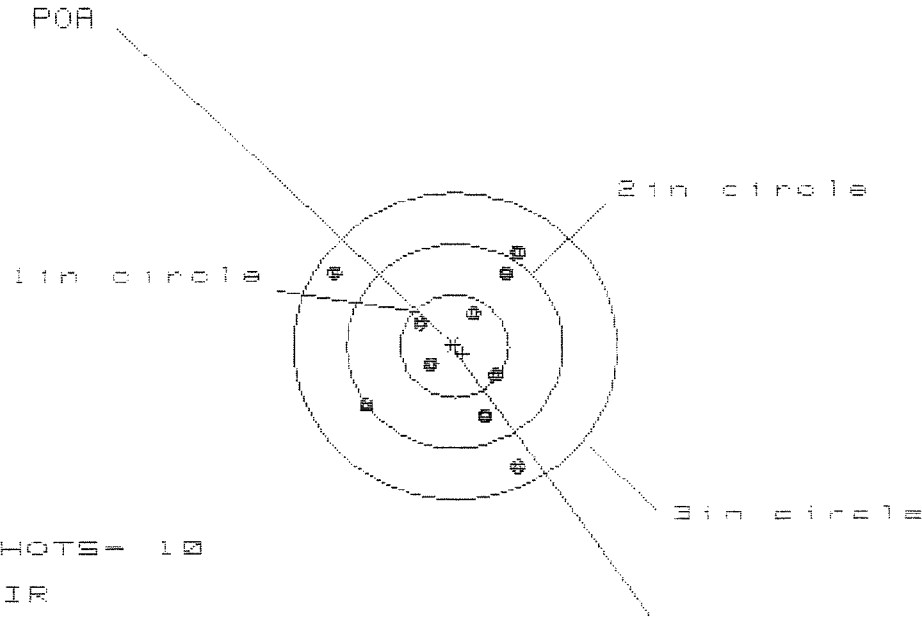
GS = 3.016

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.085	.906	.739
MINIMUM X	:	-1.605	-1.337	-.864
MAXIMUM Y	:	1.313	1.290	1.146
MINIMUM Y	:	-1.126	-1.148	-.849
CENTROID X	:	.203	.382	.549
CENTROID Y	:	.212	.234	.378
FOR TO CENTROID in.	:	.293	.448	.666
MIN RADIUS	:	.593	.517	.402
MEAN RADIUS	:	1.136	1.063	.955
MAX RADIUS	:	1.619	1.762	1.205
HORIZONTAL SPREAD	:	2.690	2.243	1.603
VERTICAL SPREAD	:	2.438	2.438	1.995
EXTREME SPREAD	:	3.016	3.016	2.278
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498758

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 10

HS= 1.758

VS= 2.050

GS= 2.567

CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.622	.496	.556
MINIMUM X	-1.136	-.951	-.891
MAXIMUM Y	.881	.960	.824
MINIMUM Y	-1.169	-1.090	-.693
CENTROID X	-.078	.048	-.012
CENTROID Y	.076	-.003	.133
POA TO CENTROID in.	.109	.048	.134
MIN RADIUS	.284	.335	.270
MEAN RADIUS	.781	.714	.642
MAX RADIUS	1.342	1.192	1.090
HORIZONTAL SPREAD	1.758	1.447	1.447
VERTICAL SPREAD	2.050	2.050	1.517
EXTREME SPREAD	2.567	2.051	2.051
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

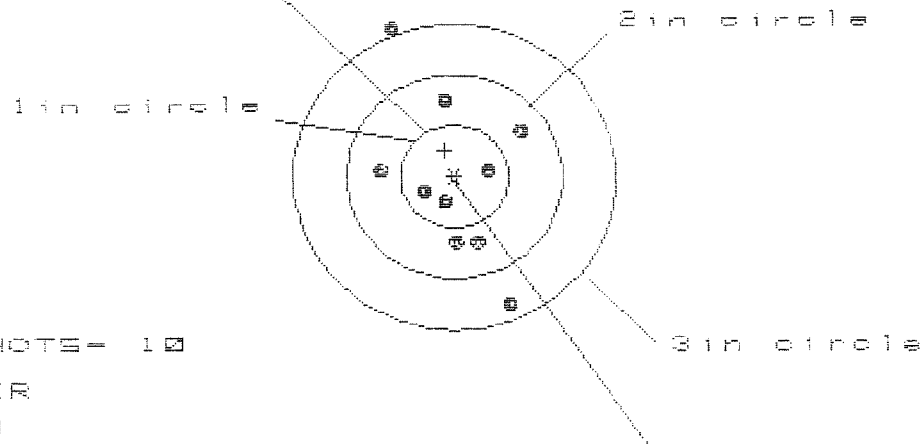
1 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498758

CENTERFIRE PATTERNS

4

POB



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 0

3 in = 0

HM = 1.336

VM = 2.698

OM = 2.932

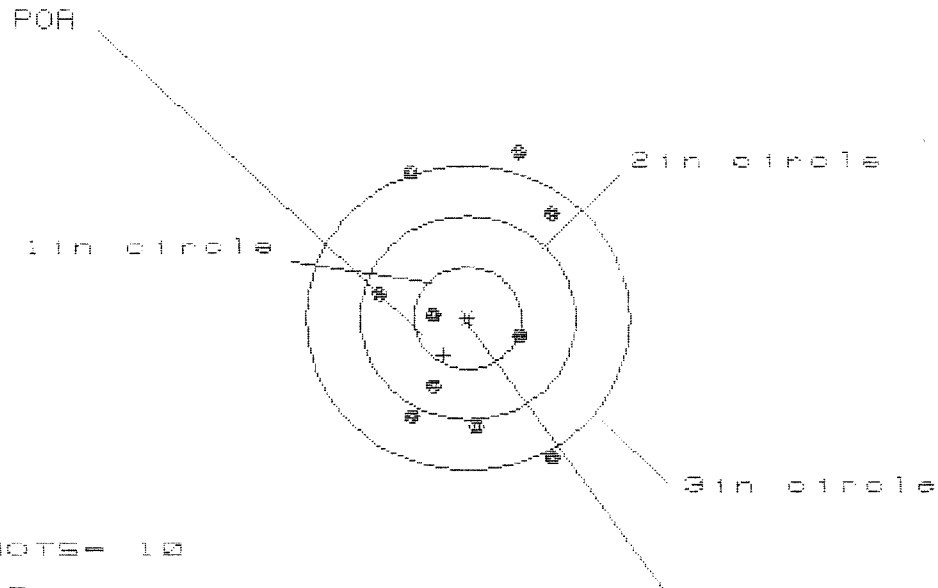
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.616	.550	.610
MINIMUM X	:	-.720	-.786	-.726
MAXIMUM Y	:	1.448	.916	.780
MINIMUM Y	:	-1.250	-1.089	-.665
CENTROID X	:	.087	.153	.093
CENTROID Y	:	-.255	-.416	-.280
POB TO CENTROID in.	:	.269	.443	.295
MIN RADIUS	:	.244	.177	.224
MEAN RADIUS	:	.748	.638	.565
MAX RADIUS	:	1.567	1.192	.805
HORIZONTAL SPREAD	:	1.336	1.336	1.336
VERTICAL SPREAD	:	2.698	2.005	1.445
EXTREME SPREAD	:	2.932	2.100	1.448
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498758

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HE = 1.532

VE = 3.058

GE = 3.067

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.748	.805	.901
MINIMUM X	-.784	-.727	-.627
MAXIMUM Y	1.671	1.582	1.432
MINIMUM Y	-1.387	-1.201	-1.022
CENTROID X	.221	.164	.064
CENTROID Y	.368	.182	.332
POB TO CENTROID in.	.429	.245	.338
MIN RADIUS	.344	.358	.197
MEAN RADIUS	1.073	.965	.896
MAX RADIUS	1.748	1.649	1.477
HORIZONTAL SPREAD	1.532	1.532	1.528
VERTICAL SPREAD	3.058	2.783	2.454
EXTREME SPREAD	3.067	3.059	2.526
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 4		
NUMBER IN THREE INCH CIRCLE	= 8		