

G 646 1712
Replaced
C. 652-2212

Remington®
MODEL 700™ H24

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

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

SERIAL NO.
C6522212

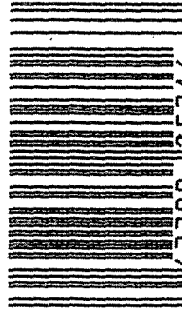
ORDER NO.
5716

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



5716 C6522212

LPC



0 47700 25716 7

Repair Inquiry

Repair Number: RE00102786

Serial: C6522212 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 10/26/2005 8:46:03 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: PR W7LZ CAMP SHELBY DET 57

PR W7LZ CAMP SHELBY DET 57

Address 1: OEF TRAINING BDE ROTATION

OEF TRAINING BDE ROTATION

Address 2: BLDG 6520 WAREHOUSE AVE

PO Box:

BLDG 6520 WAREHOUSE AVE

PO Box:

City: CAMP SHELBY

CAMP SHELBY

State: MS

Zip Code: 39407

Country: US

State: MS

Zip Code: 39407

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: 601 558 4593

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Front and Rear Sgt Base	1
C000	SCOPE CASE	1

Repair Search

Refresh

Close

inquiry

10/26/2005

9:50 AM

CAPS

NUM

INS

SCPL

start

2

2

3

Arms S...

New Rec

G 6461712

~~C6522212~~

Model: M24 SWS



RE00102786

AVERAGE PULL FORCE BETWEEN
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 11-4-05

TESTER

R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.58	2.68		2.67	
PULL #2	2.48	2.70		2.69	
PULL #3	2.57	2.69		2.42	
PULL #4	2.58	2.54		2.69	
PULL #5	2.54	2.70		2.62	
TOTAL	12.75	13.31		13.09	
AVERAGE	2.55	2.66		2.61	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.09		
PULL #2	3.24	2.98		
PULL #3	3.18	3.02		
PULL #4	3.19	3.01		
PULL #5	3.17	3.00		
TOTAL	15.95	15.05		
AVERAGE	3.19	3.01		

	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	4.04	4.20		3.92
PULL #2	4.06	4.15		3.98
PULL #3	3.94	4.00		3.98
PULL #4	4.14	4.23		3.94
PULL #5	4.19	4.13		3.98
TOTAL	20.37	20.71		19.80
AVERAGE	4.07	4.14		3.96

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461712.__0

FILE DATE AND TIME: 12/01/2005 14:58

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.010
The Average Y Centroid of the Five Target Set:	-0.040
The Average Point of Impact of the Five Target Set:	0.042
The Average Mean Radius of the Five Target Set:	0.710
The Distance from POA to Centroid Target #1:	0.063
The Distance from Centroid Target #2 to Centroid Target #1:	0.369
The Distance from Centroid Target #3 to Centroid Target #1:	0.134
The Distance from Centroid Target #4 to Centroid Target #1:	0.274
The Distance from Centroid Target #5 to Centroid Target #1:	0.099

SERIAL NUMBER: G6461712. __0

TARGET NUMBER: 1

FILE DATE: 12/01/2005

FILE TIME: 14:58

X CENTROID: -0.057

Y CENTROID: -0.026

POA TO CENTROID: 0.063

HORZ SPREAD: 2.220

VERT SPREAD: 0.978

GROUP SPREAD: 2.223

MIN RADIUS: 0.334

MAX RADIUS: 1.278

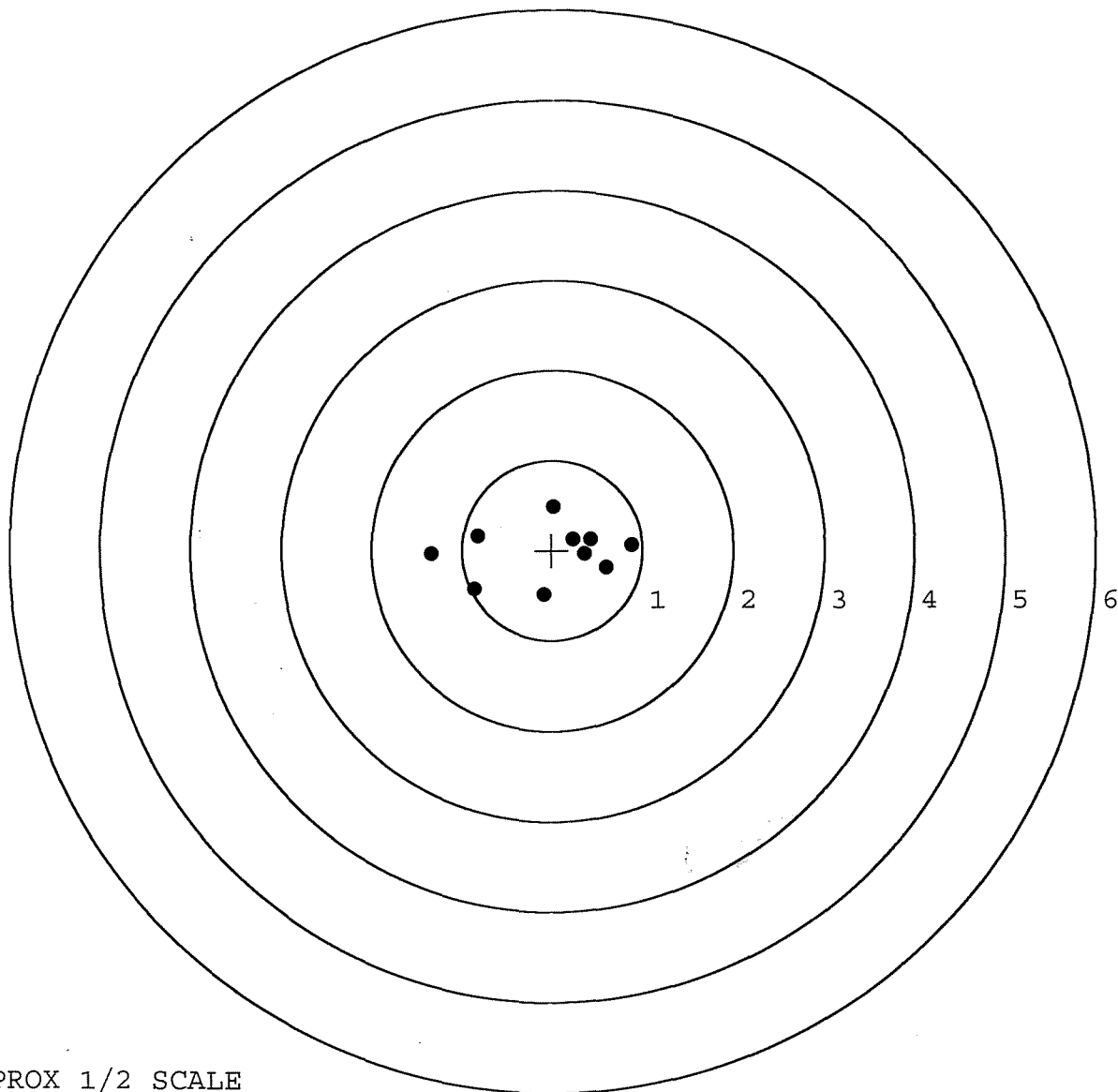
MEAN RADIUS: 0.685

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.088	-0.494
2:	-0.864	-0.434
3:	-1.335	-0.049
4:	-0.825	0.156
5:	0.015	0.484
6:	0.240	0.126
7:	0.431	0.124
8:	0.365	-0.046
9:	0.603	-0.191
10:	0.885	0.062



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461712. 0

TARGET NUMBER: 2

FILE DATE: 12/01/2005

FILE TIME: 14:58

X CENTROID: 0.147

Y CENTROID: -0.334

POA TO CENTROID: 0.365

HORZ SPREAD: 1.800

VERT SPREAD: 2.505

GROUP SPREAD: 2.706

MIN RADIUS: 0.220

MAX RADIUS: 1.516

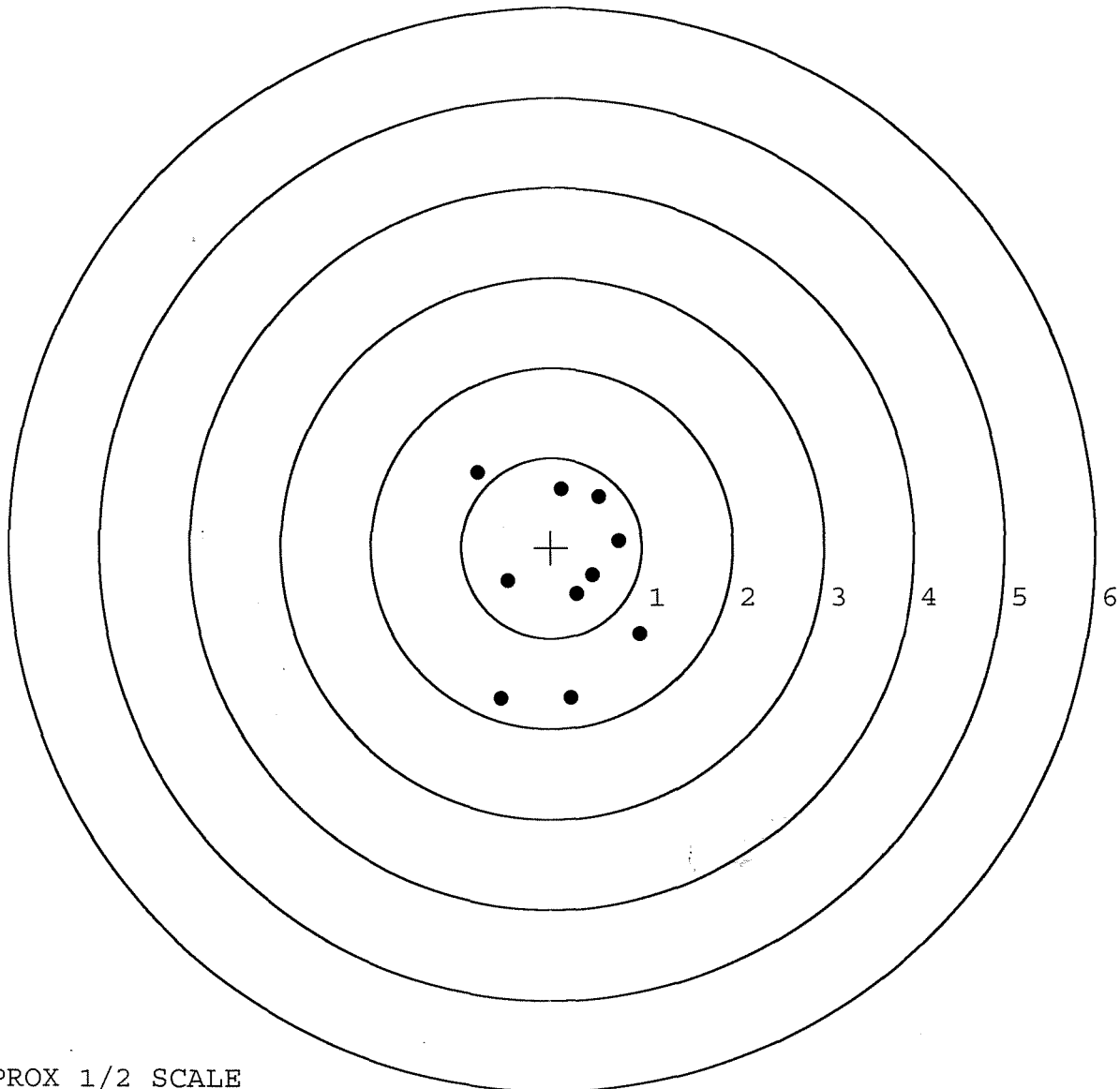
MEAN RADIUS: 0.925

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.980	-0.957
2:	0.282	-0.507
3:	0.456	-0.305
4:	0.748	0.079
5:	0.521	0.572
6:	0.112	0.652
7:	-0.480	-0.372
8:	-0.820	0.834
9:	0.222	-1.663
10:	-0.555	-1.671

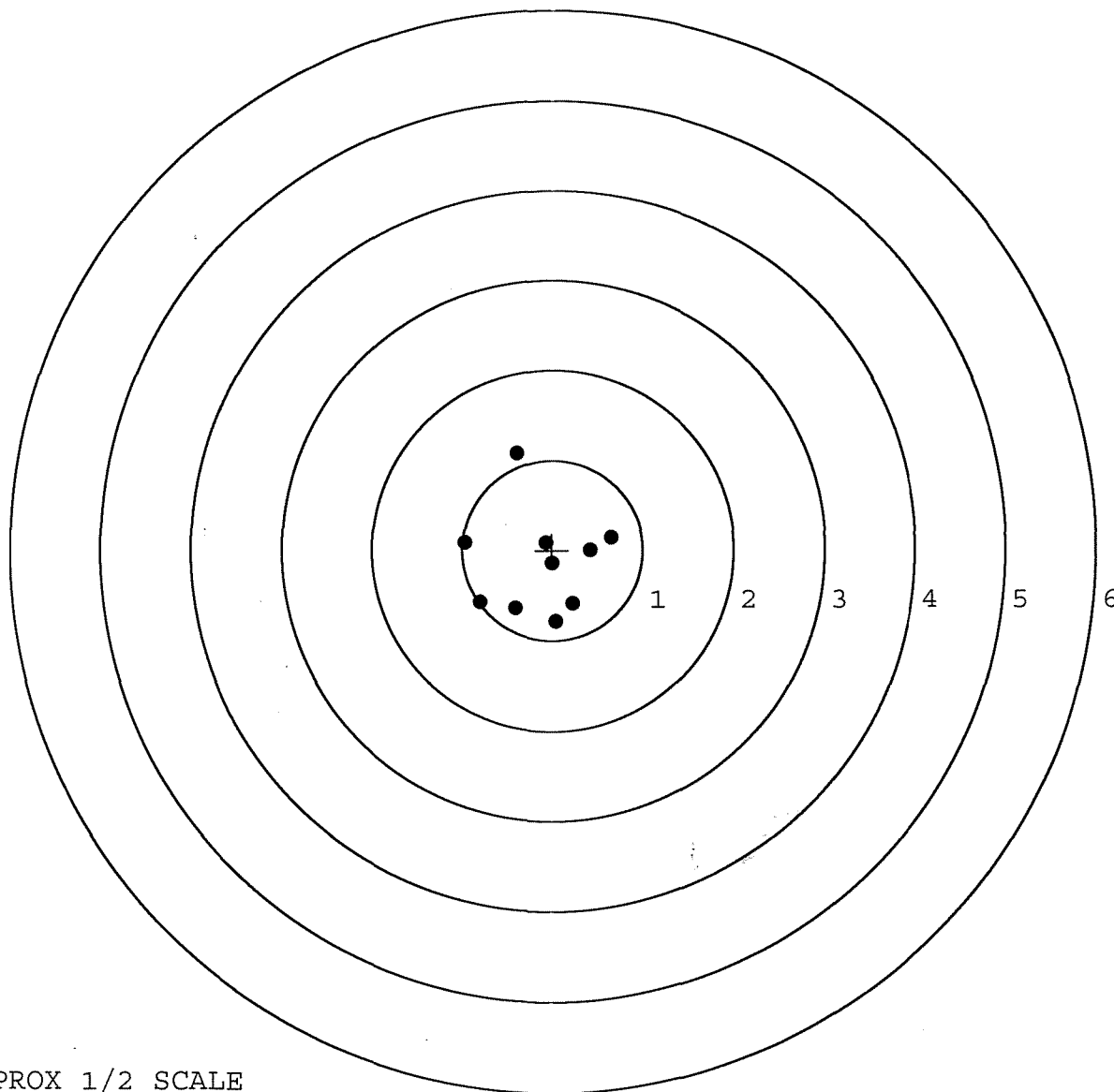


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461712. __0
 TARGET NUMBER: 3
 FILE DATE: 12/01/2005
 FILE TIME: 14:58

X CENTROID: -0.130
 Y CENTROID: -0.139
 POA TO CENTROID: 0.191
 HORZ SPREAD: 1.633
 VERT SPREAD: 1.877
 GROUP SPREAD: 1.928
 MIN RADIUS: 0.126
 MAX RADIUS: 1.245
 MEAN RADIUS: 0.655
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.233	-0.596
2:	0.043	-0.800
3:	-0.412	-0.652
4:	-0.805	-0.584
5:	-0.973	0.084
6:	-0.005	-0.151
7:	-0.070	0.083
8:	0.425	0.004
9:	0.660	0.145
10:	-0.399	1.077

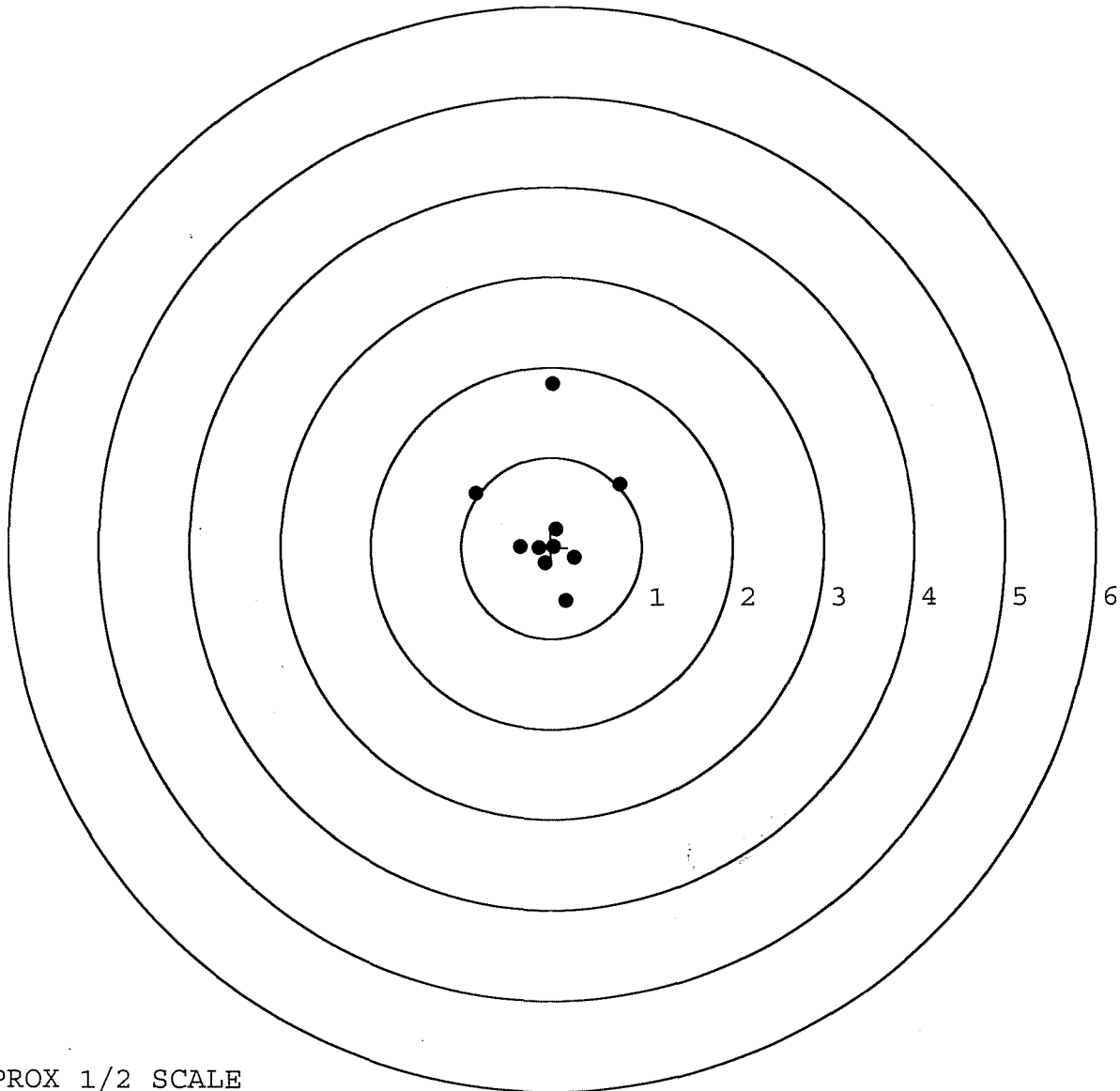


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461712. __0
 TARGET NUMBER: 4
 FILE DATE: 12/01/2005
 FILE TIME: 14:58

X CENTROID: -0.011
 Y CENTROID: 0.244
 POA TO CENTROID: 0.244
 HORZ SPREAD: 1.606
 VERT SPREAD: 2.409
 GROUP SPREAD: 2.414
 MIN RADIUS: 0.080
 MAX RADIUS: 1.574
 MEAN RADIUS: 0.611
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.165	-0.591
2:	0.760	0.699
3:	0.016	1.818
4:	-0.846	0.599
5:	0.059	0.204
6:	0.255	-0.120
7:	0.028	0.010
8:	-0.070	-0.174
9:	-0.135	-0.011
10:	-0.340	0.004



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461712. 0

TARGET NUMBER: 5

FILE DATE: 12/01/2005

FILE TIME: 14:58

X CENTROID: 0.001

Y CENTROID: 0.053

POA TO CENTROID: 0.053

HORZ SPREAD: 1.249

VERT SPREAD: 1.984

GROUP SPREAD: 2.235

MIN RADIUS: 0.240

MAX RADIUS: 1.314

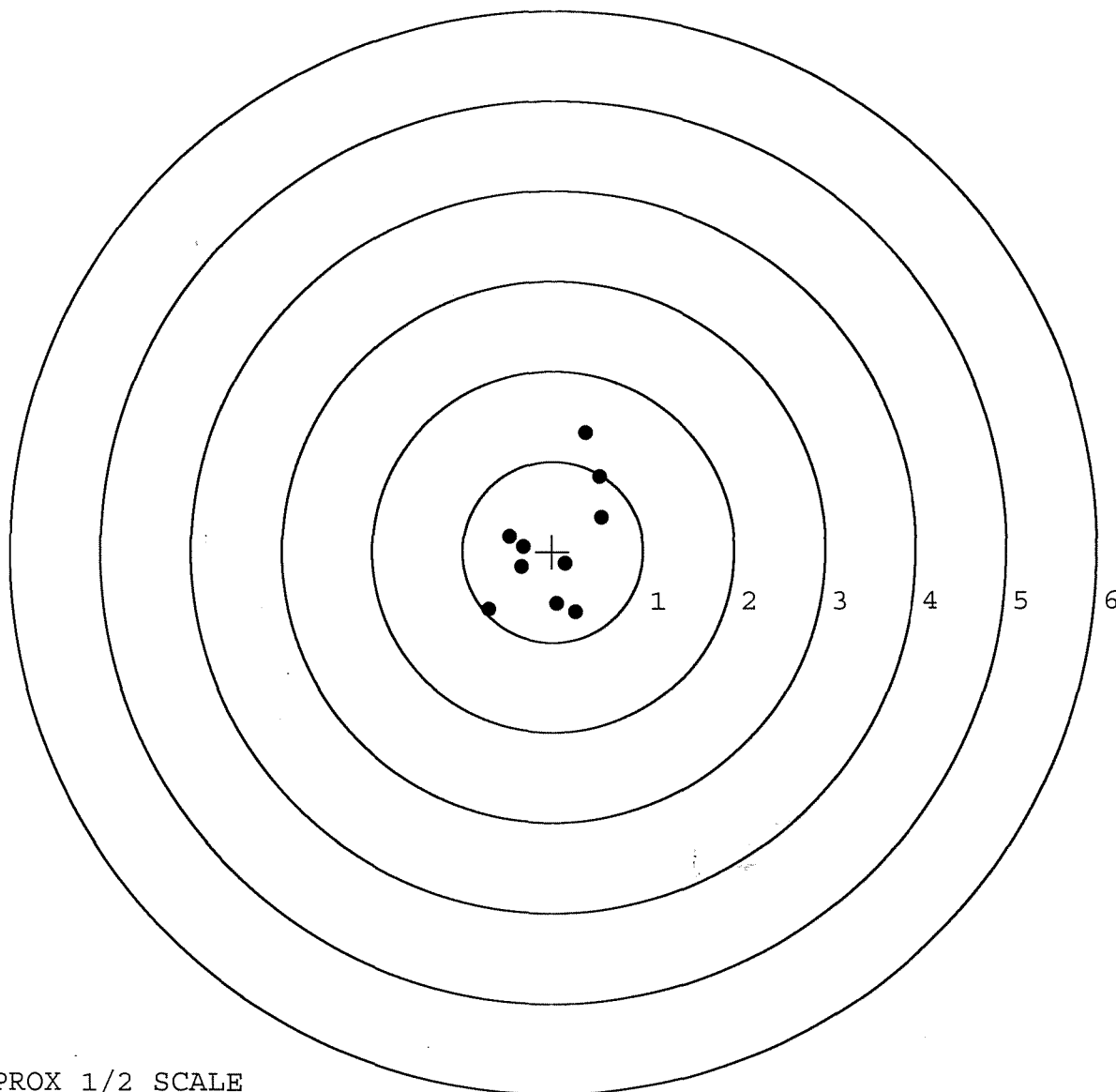
MEAN RADIUS: 0.673

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.259	-0.668
2:	0.047	-0.577
3:	0.145	-0.139
4:	-0.343	-0.176
5:	-0.321	0.049
6:	-0.477	0.162
7:	-0.713	-0.642
8:	0.536	0.380
9:	0.515	0.827
10:	0.364	1.316



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	10 2786		Camp Shelby	
SERIAL NUMBER	C 6522212		New Rec. C 646 1712	
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-4-05	AC
505	RE-BARREL		11-8-05	AC
560	ASSEMBLE		11-15-05	CD
600	PROOF	MAGNA - FLUX	11-15-05	CD
605	CHECK HEADSPACE	INSPECTED	11-15-05	CD
610	DIS-ASSEMBLE GUN	NOV 18 2005	11-15-05	CD
612	MAGNAFLUX	OPERATOR <u>umc</u>	11/18/05	umc
510	DRILL AND TAP		11-17-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	UB
620	APPLY COATINGS		11/22/05	RB
625	FINAL ASSEMBLY		11-29-05	KTL
640	FUNCTION TEST AND	PASS FAIL	12-1-05	TRW
650	TARGET	PASS FAIL	12-1-05	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	12-1-05	TRW
670	FINAL INSPECTION		12-1-05	AC
	A) HEADSPACE	PASS FAIL	12-1-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.99 2.97 2.94 2.96 2.97	AC
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	4 lbs 4 lbs 4 lbs	AC
	I) FIRING PIN INDENT	.020	.022 .022 .022	AC
690	PACK		12-2-05	DA

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522212

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/1/90	KS
600	Proof		8/1/90	KS
607	Check Headspace		8/1/90	KS
610	Dis-assemble Gun		8/1/90	KS
612	Magnaflux Barrel Action		8/6/90	KR
	Magnaflux Bolt		8/6/90	KR
615	Rollmark Caliber		8/6/90	LS
617	Drill and Tap Sight Holes		8/10/90	LB
618	Polish Barrel <i>RB</i>		8/14/90	WB
620	Apply Coatings (Barrel Action)		8/22/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake		9/6/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			9/6/90	WB
	G) Safety Off Force	2	2	2			9/6/90	WB
	H) Trigger Pull Test & Retainability						9/6/90	WB
	I) Firing Pin Indent	.0235	.0235	.0235			9/6/90	WB
	J) Assemble Stock						9/6/90	KS
	K) Assemble Swivel Studs						9/6/90	KS
	L) Attach Front and Rear Sight Assemblies						9/6/90	KS
	M) Iron Sight Alignment						9/6/90	KS
	N) Detach Front & Rear Sights & place in numbered container						9/6/90	KS
	O) Attach Scope to Rifle						9/6/90	KS
	P) Detach & Attach Scope 20 Times						9/6/90	KS
640	Gallery Target & Test						9-9-90	DH
	A) Time						9-9-90	DH
	B) Malfunctions						9-9-90	DH
	C) Pierced Primers						9-9-90	DH
	D) Optical Clarity of Scope						9-9-90	DH
645	Inspect for Live Ammo						9-9-90	DH
655	Final Inspection							
	A) Headspace						9/11/90	KS
	B) Trigger Pull	2.37	2.29	2.25	2.12	2.23	9/10/90	WB
	C) Function						9/11/90	KS
660	Pack						9/19/90	VF

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

SERIAL NO. C6527212
DATE 9/6/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.26	2.41	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.20	2.28	2.29	
PULL #3	2.28	2.18	2.31	2.25	
PULL #4	2.46	2.10	2.12	2.22	
PULL #5	2.38	2.07	2.20	2.23	
TOTAL	11.837	10.81	11.32	11.36	
AVG.	2.37	2.16	2.26	2.27	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.13		
PULL #2	3.13	3.13		
PULL #3	3.12	3.03		
PULL #4	3.12	3.07		
PULL #5	3.09	3.02		
TOTAL	15.64	15.38		
AVG.	3.13	3.07		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.11		4.03
PULL #2	4.07	4.21		4.04
PULL #3	4.17	4.10		4.00
PULL #4	4.19	4.09		3.90
PULL #5	4.15	4.08		4.00
TOTAL	20.71	20.59		19.97
AVG.	4.14	4.12		4.00

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522212
9 Sep 1990

CENTROIDAL DISTANCES

Ø TO	1	.159003
1 TO	2	.431677
1 TO	3	.739211
1 TO	4	.481657
1 TO	5	.594471

$\bar{x} = .1158$
 $\bar{y} = .3704$ ←----POA

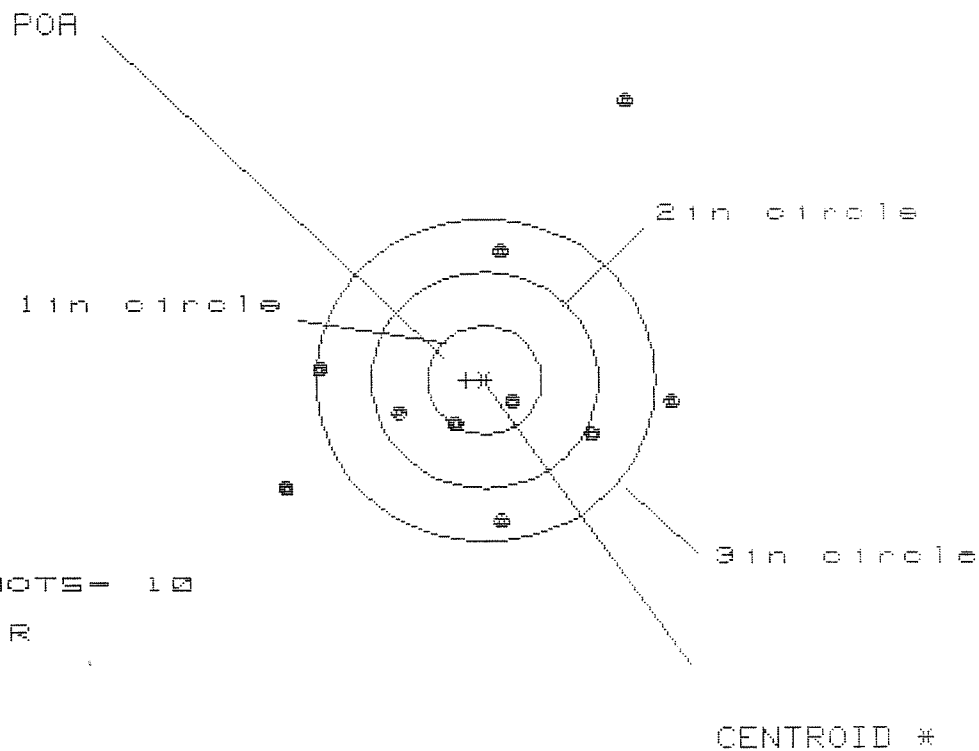
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1158
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3704
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .38808
THE AMR FOR THIS RIFLE IS: .7884

9 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522212

CENTERFIRE PATTERNS

1



PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.659	1.797	1.590
MINIMUM X	-1.793	-1.655	-1.488
MAXIMUM Y	2.602	1.532	1.440
MINIMUM Y	-1.251	-0.962	-1.054
CENTROID X	.159	.021	.228
CENTROID Y	.001	-.288	-.196
POA TO CENTROID in.	.159	.289	.300
MIN RADIUS	.289	.185	.125
MEAN RADIUS	1.323	1.084	.989
MAX RADIUS	2.883	1.811	1.590
HORIZONTAL SPREAD	3.452	3.452	3.078
VERTICAL SPREAD	3.853	2.494	2.494
EXTREME SPREAD	4.729	3.550	3.091
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522212

CENTERFIRE PATTERNS

2

POR

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS= 2.341

VS= 1.882

GS= 2.766

CENTROID #

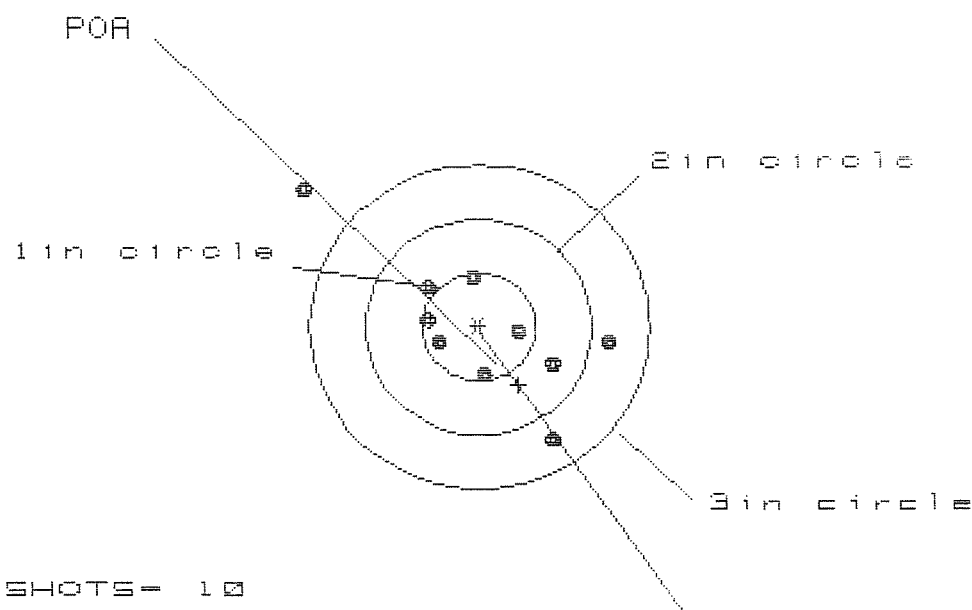
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.140	.495	.361
MINIMUM X	:	-1.201	-1.074	-.597
MAXIMUM Y	:	.738	.627	.672
MINIMUM Y	:	-1.144	-1.255	-1.210
CENTROID X	:	.300	.173	.307
CENTROID Y	:	.409	.520	.475
POR TO CENTROID in.	:	.507	.548	.566
MIN RADIUS	:	.055	.222	.114
MEAN RADIUS	:	.724	.645	.550
MAX RADIUS	:	1.516	1.261	1.237
HORIZONTAL SPREAD	:	2.341	1.569	.958
VERTICAL SPREAD	:	1.882	1.882	1.882
EXTREME SPREAD	:	2.766	1.883	1.883
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522212

CENTERFIRE PATTERNS

3



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS = 2.672

VS = 2.327

GS = 3.153

CENTROID *

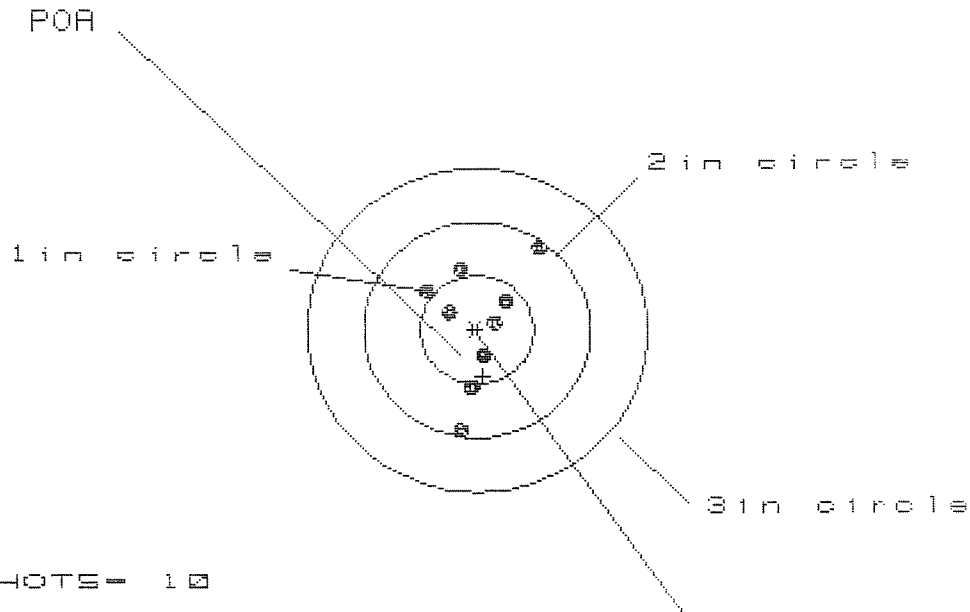
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.147	.977	1.031
MINIMUM X	:	-1.525	-.624	-.570
MAXIMUM Y	:	1.259	.633	.517
MINIMUM Y	:	-1.068	-.928	-.434
CENTROID X	:	-.349	-.179	-.233
CENTROID Y	:	.538	.398	.514
POA TO CENTROID in.	:	.641	.436	.564
MIN RADIUS	:	.372	.241	.282
MEAN RADIUS	:	.780	.632	.576
MAX RADIUS	:	1.978	1.024	1.038
HORIZONTAL SPREAD	:	2.672	1.601	1.601
VERTICAL SPREAD	:	2.327	1.561	.951
EXTREME SPREAD	:	3.153	1.764	1.672
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522212

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 10

3 in = 10

HS= 1.051

VS= 1.633

GS= 1.801

CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.599	.319	.307
MINIMUM X	-.452	-.385	-.397
MAXIMUM Y	.744	.613	.512
MINIMUM Y	-.889	-.806	-.523
CENTROID X	-.054	-.121	-.109
CENTROID Y	.433	.351	.451
POA TO CENTROID in.	.437	.371	.465
MIN RADIUS	.152	.170	.197
MEAN RADIUS	.498	.447	.391
MAX RADIUS	.956	.811	.524
HORIZONTAL SPREAD	1.051	.704	.704
VERTICAL SPREAD	1.633	1.419	1.036
EXTREME SPREAD	1.801	1.420	1.038
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		10	
NUMBER IN THREE INCH CIRCLE =		10	

9 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522212

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 5

2in = 8

3in = 10

HS = 1.333

VS = 2.118

GS = 2.503

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.392	.365	.253
MINIMUM X	-.941	-.898	-.326
MAXIMUM Y	.759	.608	.573
MINIMUM Y	-1.359	-.891	-.815
CENTROID X	.523	.480	.592
CENTROID Y	.471	.622	.545
POA TO CENTROID in.	.704	.785	.805
MIN RADIUS	.222	.115	.138
MEAN RADIUS	.617	.499	.423
MAX RADIUS	1.414	1.085	.836
HORIZONTAL SPREAD	1.333	1.263	.579
VERTICAL SPREAD	2.118	1.499	1.387
EXTREME SPREAD	2.503	1.920	1.395
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		