

C6523408

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523408.___0
FILE DATE AND TIME: 12/01/2005 23:14

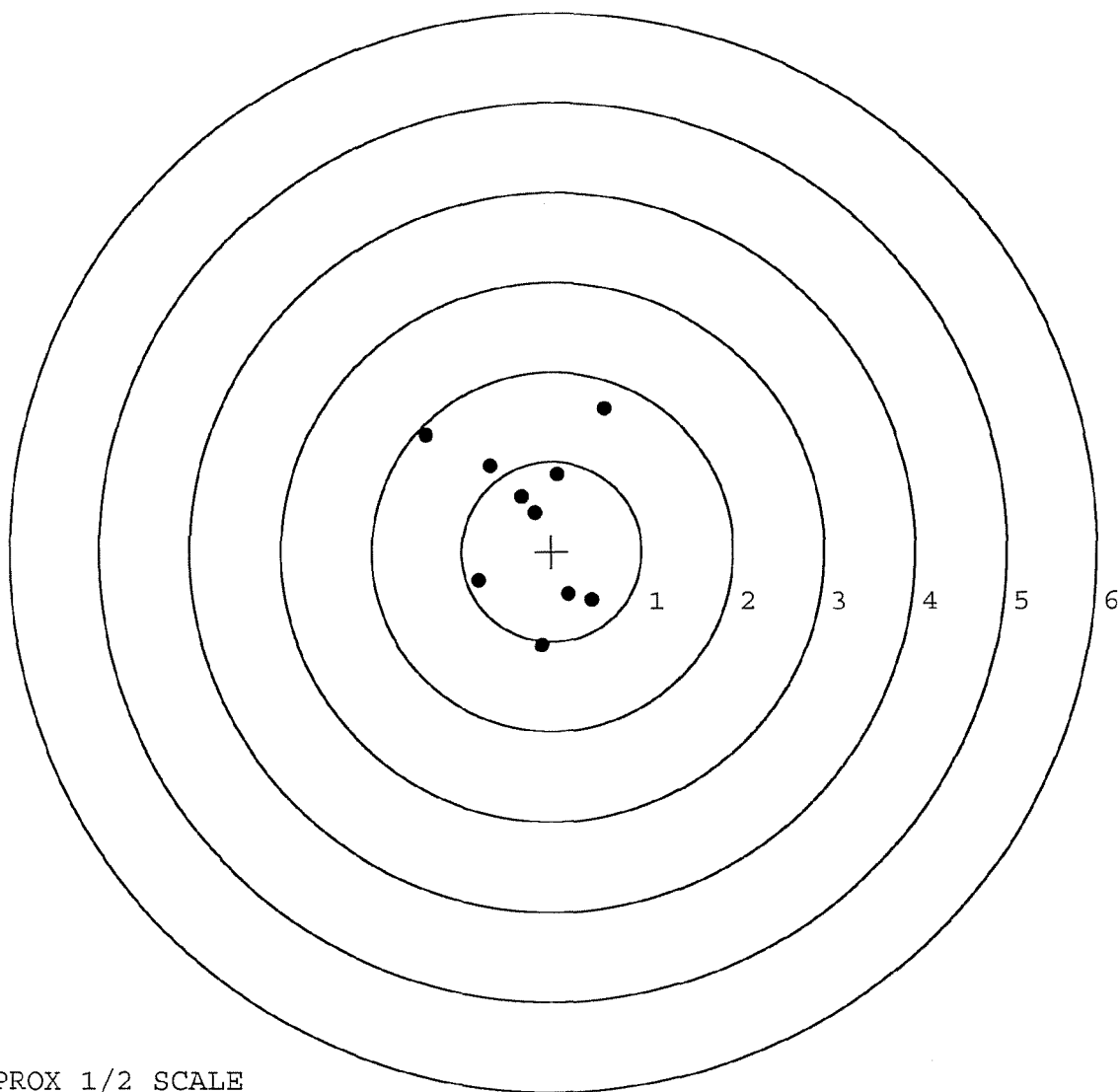
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.085
The Average Y Centroid of the Five Target Set:	0.123
The Average Point of Impact of the Five Target Set:	0.150
The Average Mean Radius of the Five Target Set:	0.637
The Distance from POA to Centroid Target #1:	0.402
The Distance from Centroid Target #2 to Centroid Target #1:	0.387
The Distance from Centroid Target #3 to Centroid Target #1:	0.320
The Distance from Centroid Target #4 to Centroid Target #1:	0.340
The Distance from Centroid Target #5 to Centroid Target #1:	0.237

SERIAL NUMBER: C6523408. __0
TARGET NUMBER: 1
FILE DATE: 12/01/2005
FILE TIME: 23:14

X CENTROID: -0.223
Y CENTROID: 0.334
POA TO CENTROID: 0.402
HORZ SPREAD: 1.983
VERT SPREAD: 2.639
GROUP SPREAD: 2.670
MIN RADIUS: 0.100
MAX RADIUS: 1.514
MEAN RADIUS: 0.906
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.190	0.428
2:	0.065	0.858
3:	-0.340	0.613
4:	-0.681	0.951
5:	-1.397	1.290
6:	0.586	1.588
7:	0.193	-0.474
8:	0.453	-0.539
9:	-0.112	-1.051
10:	-0.809	-0.323

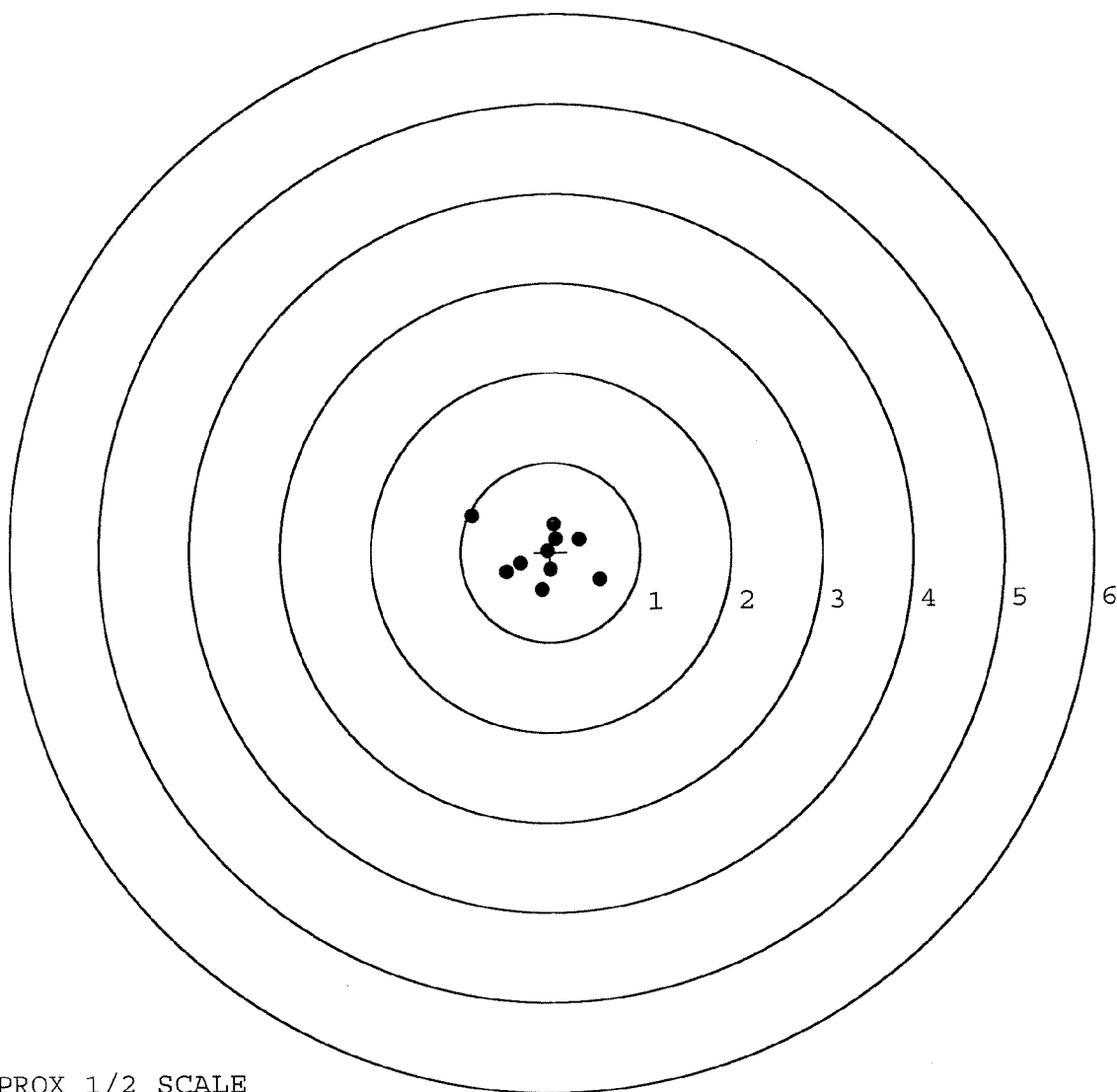


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523408. __0
TARGET NUMBER: 2
FILE DATE: 12/01/2005
FILE TIME: 23:14

X CENTROID: -0.085
Y CENTROID: -0.027
POA TO CENTROID: 0.089
HORZ SPREAD: 1.420
VERT SPREAD: 0.833
GROUP SPREAD: 1.591
MIN RADIUS: 0.062
MAX RADIUS: 0.899
MEAN RADIUS: 0.398
IN 1 IN DIAMETER: 8
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.871	0.410
2:	0.549	-0.308
3:	0.321	0.139
4:	0.046	0.307
5:	-0.100	-0.423
6:	-0.488	-0.223
7:	-0.336	-0.129
8:	-0.004	-0.195
9:	-0.035	0.009
10:	0.065	0.143

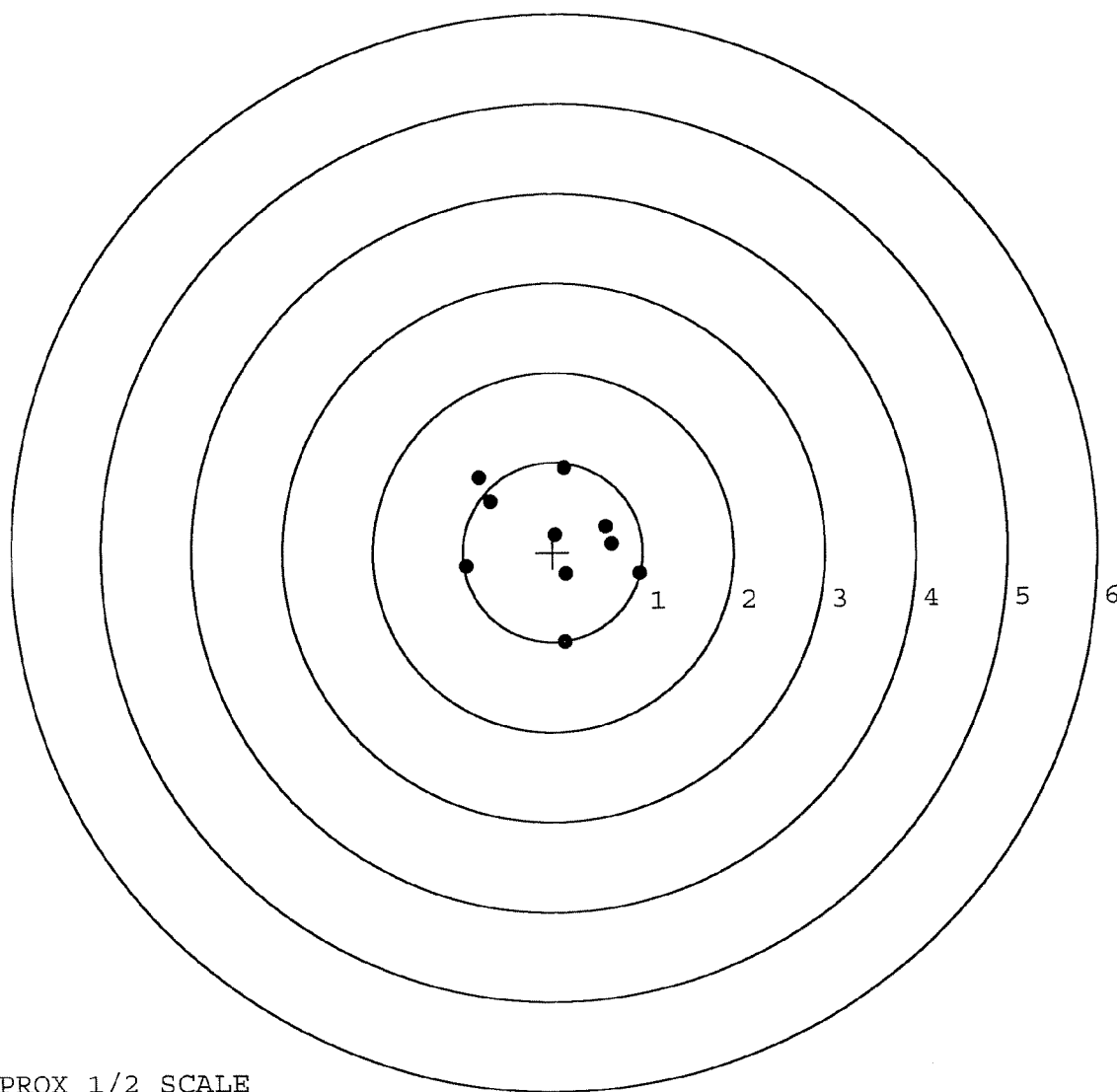


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523408. __0
TARGET NUMBER: 3
FILE DATE: 12/01/2005
FILE TIME: 23:14

X CENTROID: 0.019
Y CENTROID: 0.125
POA TO CENTROID: 0.127
HORZ SPREAD: 1.926
VERT SPREAD: 1.950
GROUP SPREAD: 2.079
MIN RADIUS: 0.069
MAX RADIUS: 1.142
MEAN RADIUS: 0.763
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.692	0.573
2:	-0.814	0.839
3:	-0.961	-0.154
4:	0.137	0.939
5:	0.593	0.282
6:	0.654	0.093
7:	0.965	-0.252
8:	0.135	-1.011
9:	0.148	-0.248
10:	0.030	0.194

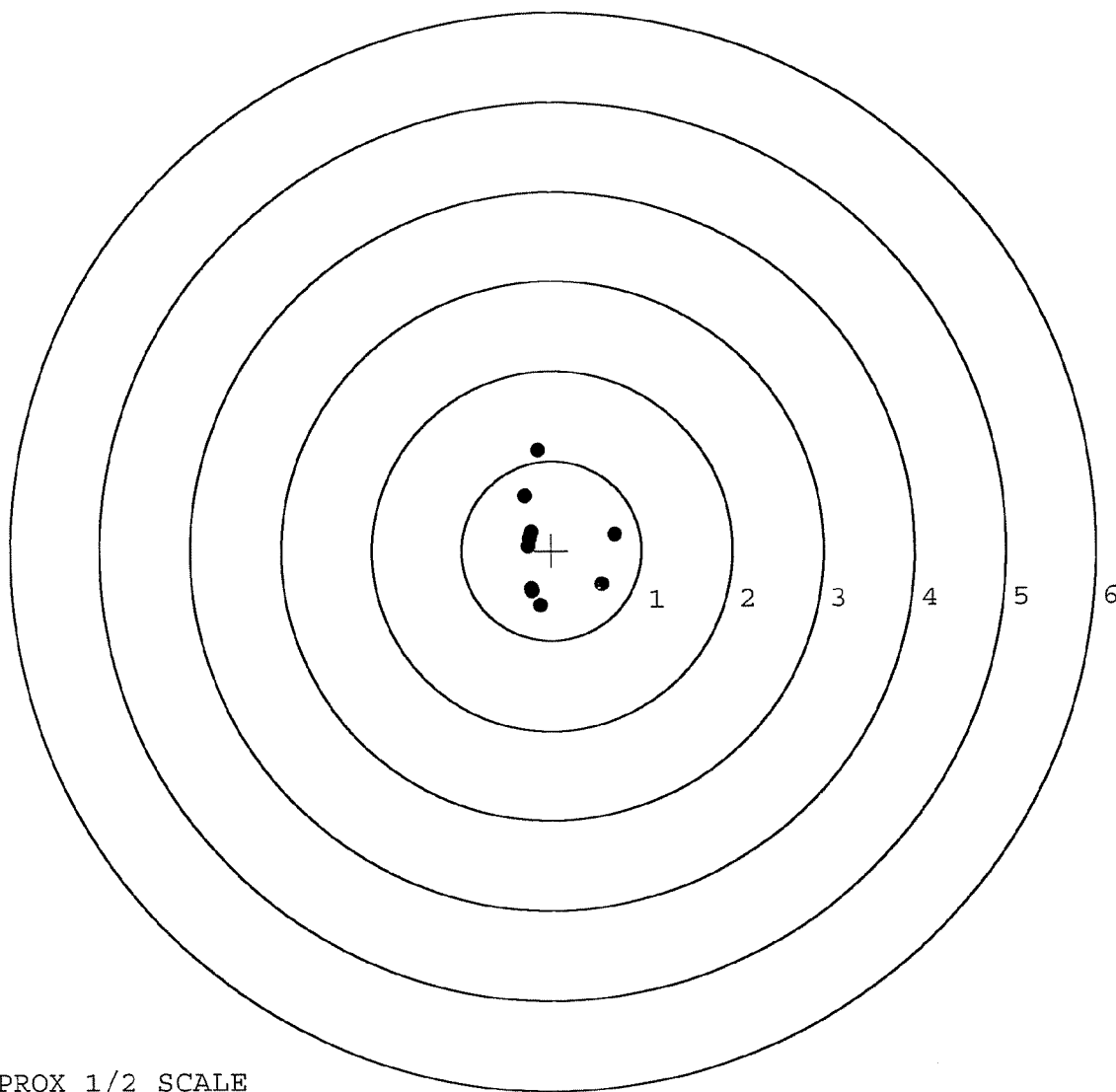


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523408. __0
TARGET NUMBER: 4
FILE DATE: 12/01/2005
FILE TIME: 23:14

X CENTROID: -0.051
Y CENTROID: 0.041
POA TO CENTROID: 0.066
HORZ SPREAD: 1.001
VERT SPREAD: 1.739
GROUP SPREAD: 1.739
MIN RADIUS: 0.215
MAX RADIUS: 1.083
MEAN RADIUS: 0.558
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.232	-0.430
2:	-0.128	-0.619
3:	0.556	-0.381
4:	0.703	0.174
5:	-0.266	0.052
6:	-0.227	0.209
7:	-0.298	0.609
8:	-0.149	1.120
9:	-0.251	0.136
10:	-0.222	-0.459

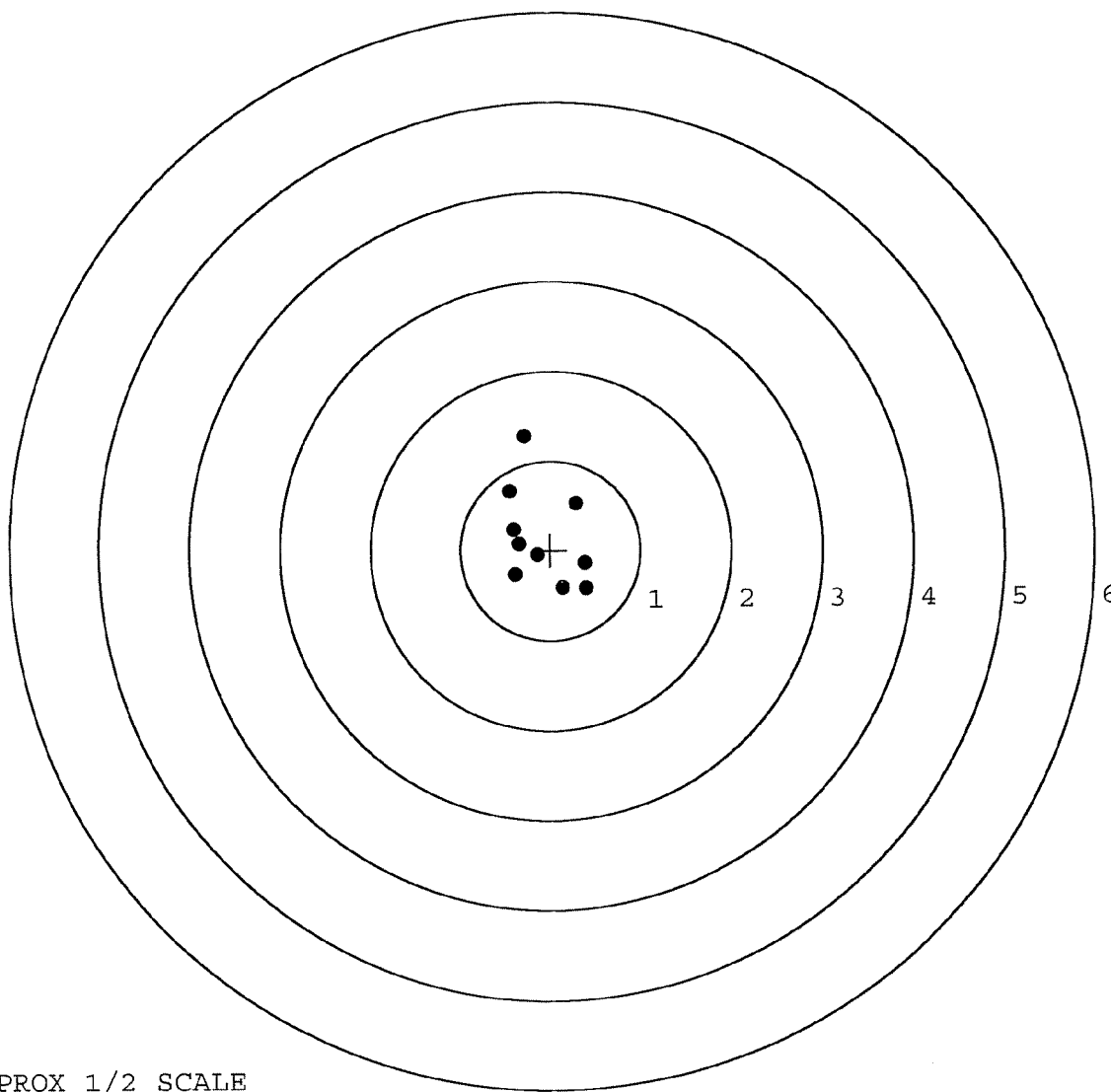


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523408. 0
TARGET NUMBER: 5
FILE DATE: 12/01/2005
FILE TIME: 23:14

X CENTROID: -0.084
Y CENTROID: 0.143
POA TO CENTROID: 0.166
HORZ SPREAD: 0.851
VERT SPREAD: 1.703
GROUP SPREAD: 1.836
MIN RADIUS: 0.207
MAX RADIUS: 1.151
MEAN RADIUS: 0.557
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.381	-0.151
2:	0.398	-0.428
3:	0.140	-0.421
4:	-0.395	-0.275
5:	-0.149	-0.054
6:	-0.411	0.228
7:	-0.453	0.663
8:	-0.289	1.275
9:	0.293	0.523
10:	-0.352	0.069



TARGET APPROX 1/2 SCALE

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	2.56	2.67	2.52	
PULL #2	2.57	2.42	2.42	
PULL #3	2.65	2.58	2.68	
PULL #4	2.54	2.57	2.48	
PULL #5	2.61	2.64	2.65	
TOTAL	12.93	12.88	12.75	
AVERAGE	2.58	2.57	2.55	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES	COMMENTS
PULL #1	3.21	3.19	
PULL #2	3.19	3.25	
PULL #3	3.20	3.19	
PULL #4	3.19	3.16	
PULL #5	3.21	3.25	
TOTAL	16.00	16.04	
AVERAGE	3.20	3.20	

	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	3.81		4.03
PULL #2	4.14	4.34		3.92
PULL #3	4.24	4.20		4.00
PULL #4	4.17	4.33		4.05
PULL #5	4.24	4.26		4.02
TOTAL	20.83	20.94		20.02
AVERAGE	4.16	4.18		4.00

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

R & E NUMBER	102782		Camp Shelby		
SERIAL NUMBER	C 6523408				
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	CI	
600	PROOF	MAGNA-FLUX INSPECTED	11-15-05	CI	
605	CHECK HEADSPACE	NOV 18 2005	11-15-05	CI	
610	DIS-ASSEMBLE GUN		11-15-05	CI	
612	MAGNAFLUX	OPERATOR <u>Unid</u>	11/18/05	<u>Unid</u>	
510	DRILL AND TAP		11-17-05	BR	
615	ROLLMARK CALIBER		11-18-05	CW	
618	ROTO-BLAST		11-21-05	CB	
620	APPLY COATINGS		11/22/05	RB	
625	FINAL ASSEMBLY		12-29-05	RT	
640	FUNCTION TEST AND	PASS	12/1/05	MJD	
650	TARGET	PASS	12-2-05	AC	
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
670	FINAL INSPECTION		12-2-05	AC	
	A) HEADSPACE	PASS	12-2-05	AC	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.10 2.25 2.50 2.75 2.65		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs		
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs		
	I) FIRING PIN INDENT	.020	.023 .023 .023		
690	PACK		12-3-05	RT	

Remington®



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

MODEL 700™ M24

SERIAL NO.

C6523408

ORDER NO.

5716

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

01



5716 C6523408

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400027605

op. #	OP. NAME	READINGS					DATE	INIT
625 at.	F) Safety On Force	4 1/2	4 1/2	4 1/2			9/13/90	WB
	G) Safety Off Force	3	3	3			9/13/90	WB
	H) Trigger Pull Test & Retainability						9/13/90	WB
	I) Firing Pin Indent	.022	.0225	.022			9/13/90	WB
	J) Assemble Stock						9/13/90	RW
	K) Assemble Swivel Studs						9/15/90	JS
	L) Attach Front and Rear Sight Assemblies						9/13/90	RW
	M) Iron Sight Alignment						9/13/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/13/90	RW
	O) Attach Scope to Rifle						9/13/90	RW
	P) Detach & Attach Scope 20 Times						9/13/90	RW
640	Gallery Target & Test						9-14-90	DH
	A) Time						9-14-90	DH
	B) Malfunctions						9-14-90	DH
	C) Pierced Primers						9-14-90	DH
	D) Optical Clarity of Scope						9-14-90	DH
645	Inspect for Live Ammo						9-14-90	DH
655	Final Inspection							
	A) Headspace						9/15/90	JS
	B) Trigger Pull	2.54	2.48	2.45	2.46	2.55	9-15-90	JS
	C) Function						9/15/90	JS
660	Pack						9/19/90	VF

CAD TDC

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523408

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/22/90	KCR
	Magnaflux Bolt		8/22/90	KCR
615	Rollmark Caliber		8/22/90	GS
617	Drill and Tap Sight Holes		8/23/90	FB
618	Polish Barrel RB		8/23/90	WB
620	Apply Coatings (Barrel Action)		8-28-90	TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/13/90	WJ

SWS TRIGGER PULL TEST

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

SERIAL NO. C6523408
DATE 9/13/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.51	2.52	2.46	2.54	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.43	2.49	2.48	
PULL #3	2.47	2.41	2.30	2.45	
PULL #4	2.45	2.42	2.46	2.46	
PULL #5	2.46	2.50	2.40	2.55	
TOTAL	12.37	12.28	12.11	12.48	
AVG.	2.47	2.46	2.42	2.496	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.06		
PULL #2	3.07	3.07		
PULL #3	3.08	3.11		
PULL #4	3.05	3.13		
PULL #5	3.07	3.16		
TOTAL	15.39	15.53		
AVG.	3.08	3.11		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	4.06		3.75
PULL #2	4.01	4.10		3.60
PULL #3	4.09	4.08		3.70
PULL #4	4.10	4.11		3.65
PULL #5	4.10	4.12		3.78
TOTAL	20.36	20.47		18.48
AVG.	4.07	4.09		3.70

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523408
14 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.149656
1 TO	2	.381083
1 TO	3	.277838
1 TO	4	.0732462
1 TO	5	.848756

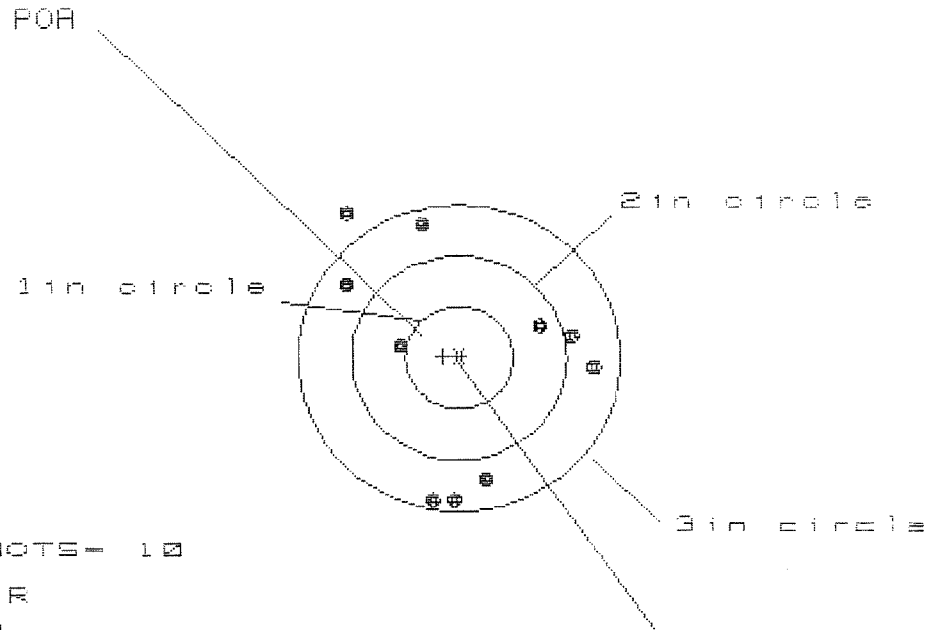
#2 3 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3556
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1536
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .387356
THE AMR FOR THIS RIFLE IS: 1.03

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523408

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 2

3in = 8

HS= 2.318

VS= 2.766

GS= 2.963

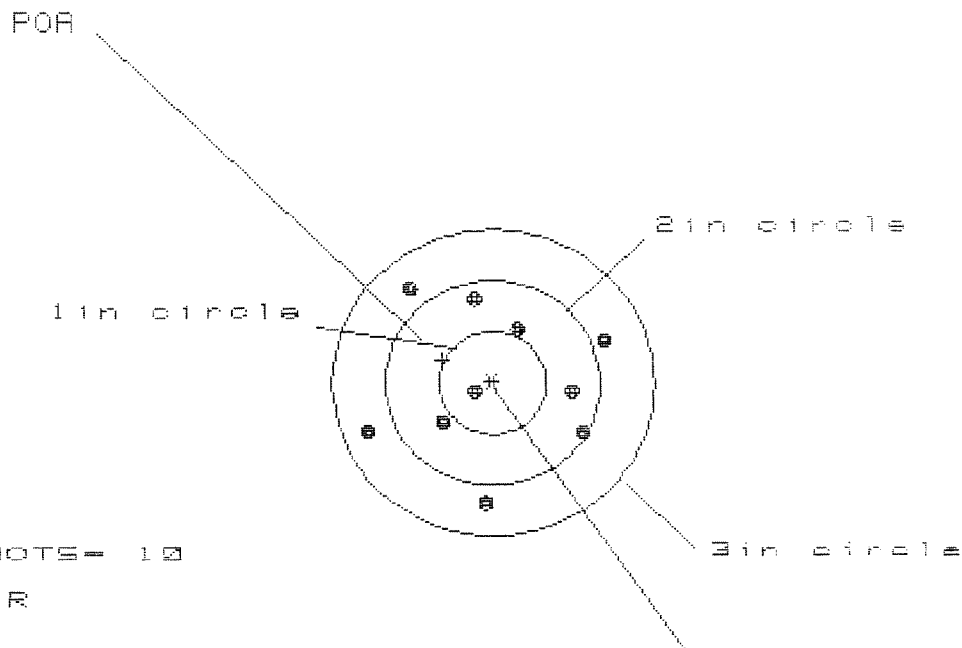
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.220	1.098	1.050
MINIMUM X	-1.098	-1.157	-1.205
MAXIMUM Y	1.394	1.435	1.284
MINIMUM Y	-1.372	-1.217	-1.368
CENTROID X	.149	.271	.319
CENTROID Y	-.014	-.169	-.018
POA TO CENTROID in.	.150	.320	.319
MIN RADIUS	.520	.679	.688
MEAN RADIUS	1.200	1.123	1.090
MAX RADIUS	1.775	1.520	1.397
HORIZONTAL SPREAD	2.318	2.255	2.255
VERTICAL SPREAD	2.766	2.652	2.652
EXTREME SPREAD	2.963	2.674	2.674
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	9		

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523408

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 6

3in = 10

HS = 2.204

VS = 2.049

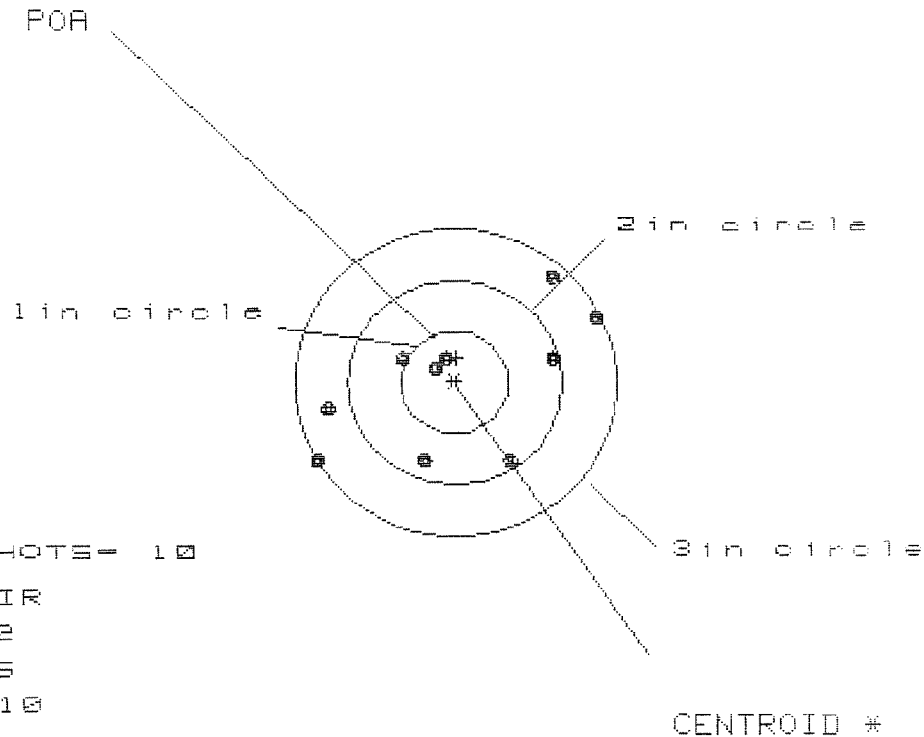
GS = 2.368

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.005	.871	.846
MINIMUM X	-1.200	-.879	-.904
MAXIMUM Y	.887	.836	.684
MINIMUM Y	-1.162	-1.213	-.722
CENTROID X	.467	.600	.625
CENTROID Y	-.224	-.173	-.021
POA TO CENTROID in.	.517	.624	.626
MIN RADIUS	.196	.339	.367
MEAN RADIUS	.857	.804	.739
MAX RADIUS	1.284	1.231	1.134
HORIZONTAL SPREAD	2.204	1.750	1.750
VERTICAL SPREAD	2.049	2.049	1.406
EXTREME SPREAD	2.368	2.157	2.078
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523488

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 2.586

VS= 1.840

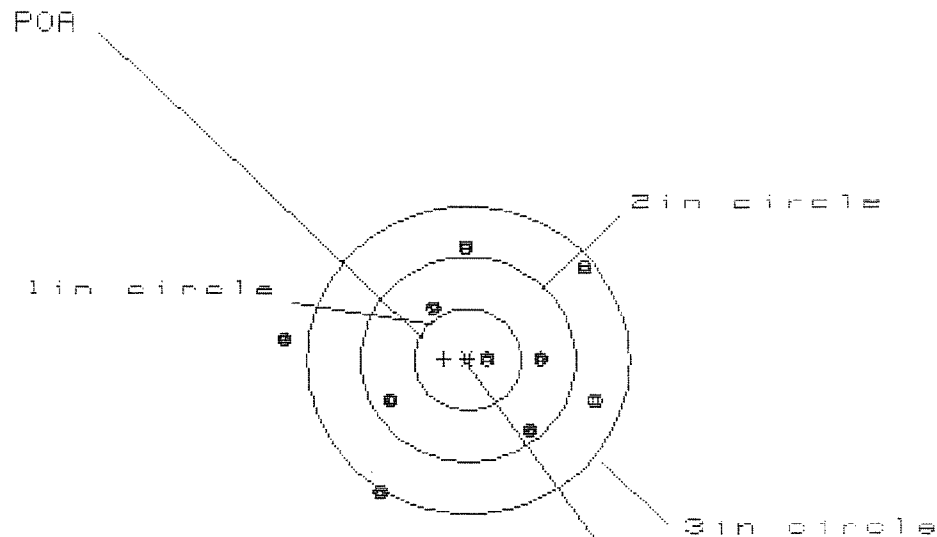
GS= 2.924

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.317	1.176	.893
MINIMUM X	:	-1.269	-1.375	-1.228
MAXIMUM Y	:	1.045	.962	1.029
MINIMUM Y	:	-.795	-.878	-.811
CENTROID X	:	-.014	.127	-.020
CENTROID Y	:	-.239	-.156	-.223
POA TO CENTROID in.	:	.240	.202	.224
MIN RADIUS	:	.230	.266	.218
MEAN RADIUS	:	.924	.869	.786
MAX RADIUS	:	1.472	1.406	1.358
HORIZONTAL SPREAD	:	2.586	2.551	2.121
VERTICAL SPREAD	:	1.840	1.840	1.840
EXTREME SPREAD	:	2.924	2.683	2.459
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Sep 1998

FILE:~/PATTERNING/CENTERFIRE_PATT/C6523408

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.832

VS= 2.331

GS= 2.982

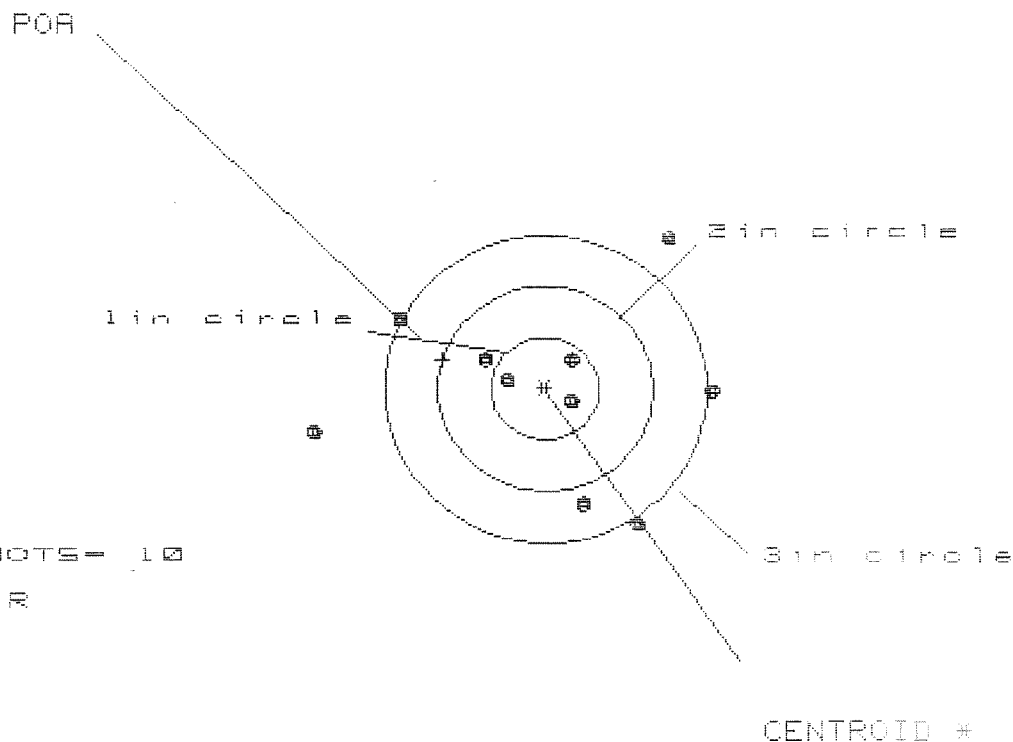
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.139	.951	.827
MINIMUM X	:	-1.693	-.997	-.991
MAXIMUM Y	:	1.079	1.101	.947
MINIMUM Y	:	-1.252	-1.230	-.841
CENTROID X	:	.222	.410	.534
CENTROID Y	:	-.008	-.030	.124
POA TO CENTROID in.	:	.222	.411	.548
MIN RADIUS	:	.140	.052	.218
MEAN RADIUS	:	1.001	.893	.805
MAX RADIUS	:	1.704	1.583	1.103
HORIZONTAL SPREAD	:	2.832	1.948	1.818
VERTICAL SPREAD	:	2.331	2.331	1.788
EXTREME SPREAD	:	2.982	2.869	2.164
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523400

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 4

3 in = 0

HS = 2.7000

VS = 2.8666

GS = 3.841

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.542	1.302	1.413
MINIMUM X	:	-2.167	-1.556	-1.445
MAXIMUM Y	:	1.530	1.481	.855
MINIMUM Y	:	-1.336	-1.385	-1.200
CENTROID X	:	.954	1.194	1.083
CENTROID Y	:	-.283	-.234	-.419
POR TO CENTROID in.	:	.995	1.217	1.161
MIN RADIUS	:	.264	.117	.143
MEAN RADIUS	:	1.168	1.035	.944
MAX RADIUS	:	2.211	1.727	1.679
HORIZONTAL SPREAD	:	3.709	2.858	2.858
VERTICAL SPREAD	:	2.866	2.866	2.055
EXTREME SPREAD	:	3.841	3.002	3.002
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	