

C6522250

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

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: **RE00102779** Serial: C6522250 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 8:45:48 AM

Verify Repair

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** **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**

FEL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information:

Phone: **601 558 4593**

Fax:

Email:

Comments:

Received Condition:

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
A055	Deployment Kit	1
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

loglet 10/25/2005 9:49 AM LAPS NUM INS GCPL

start 2 2 3 Arms

Serial Number:

C6522250

Model: **M24 SWS**



RE00102779

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522250.___0
FILE DATE AND TIME: 11/28/2005 14:36

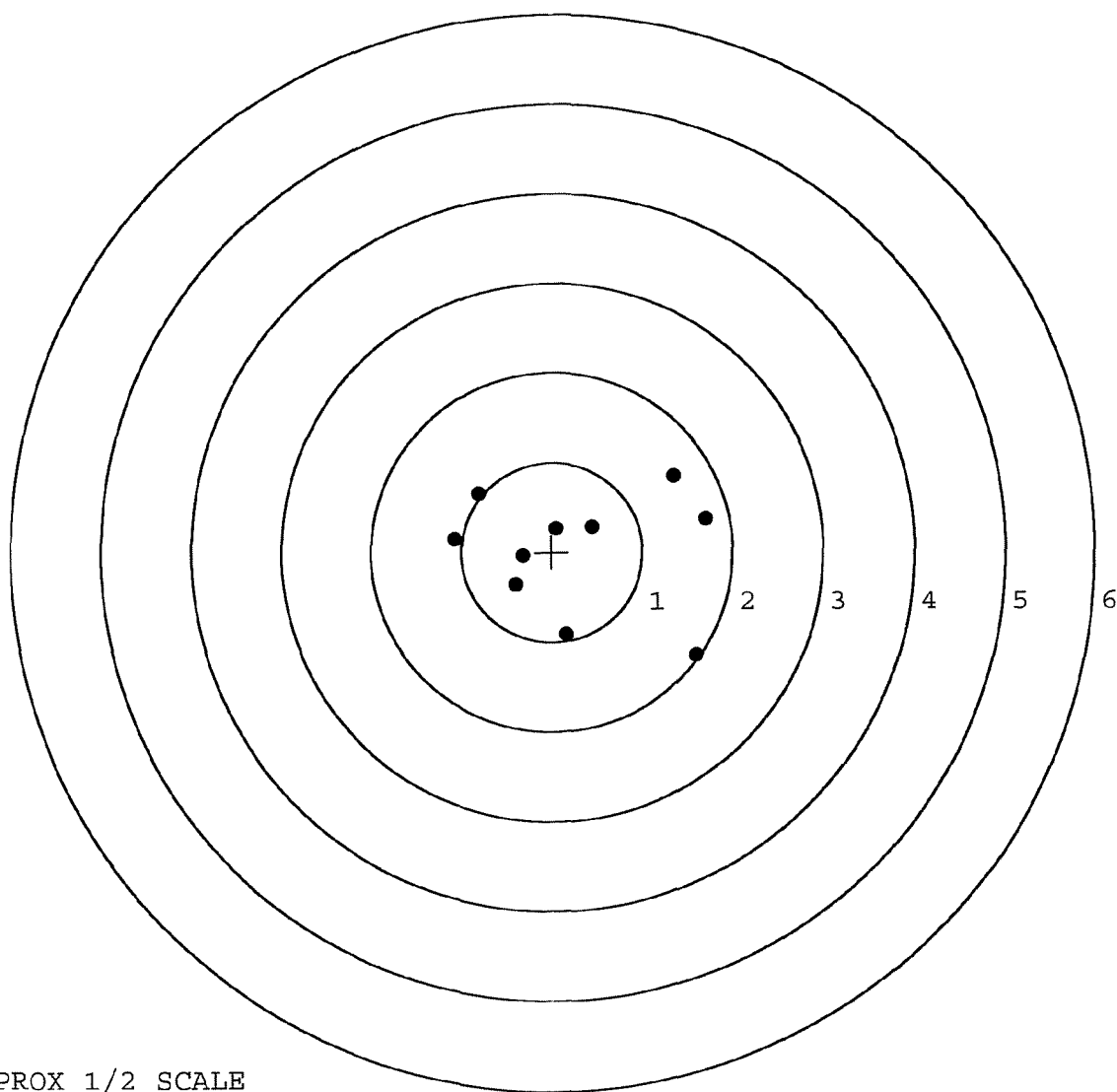
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.098
The Average Y Centroid of the Five Target Set:	-0.022
The Average Point of Impact of the Five Target Set:	0.101
The Average Mean Radius of the Five Target Set:	0.728
The Distance from POA to Centroid Target #1:	0.270
The Distance from Centroid Target #2 to Centroid Target #1:	0.223
The Distance from Centroid Target #3 to Centroid Target #1:	0.315
The Distance from Centroid Target #4 to Centroid Target #1:	0.201
The Distance from Centroid Target #5 to Centroid Target #1:	0.174

SERIAL NUMBER: C6522250. 0
TARGET NUMBER: 1
FILE DATE: 11/28/2005
FILE TIME: 14:36

X CENTROID: 0.270
Y CENTROID: 0.008
POA TO CENTROID: 0.270
HORZ SPREAD: 2.779
VERT SPREAD: 1.990
GROUP SPREAD: 3.009
MIN RADIUS: 0.325
MAX RADIUS: 1.762
MEAN RADIUS: 1.019
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.703	0.370
2:	1.353	0.843
3:	0.446	0.281
4:	0.046	0.266
5:	0.159	-0.925
6:	-0.404	-0.365
7:	-0.323	-0.043
8:	-1.076	0.142
9:	-0.808	0.657
10:	1.600	-1.147

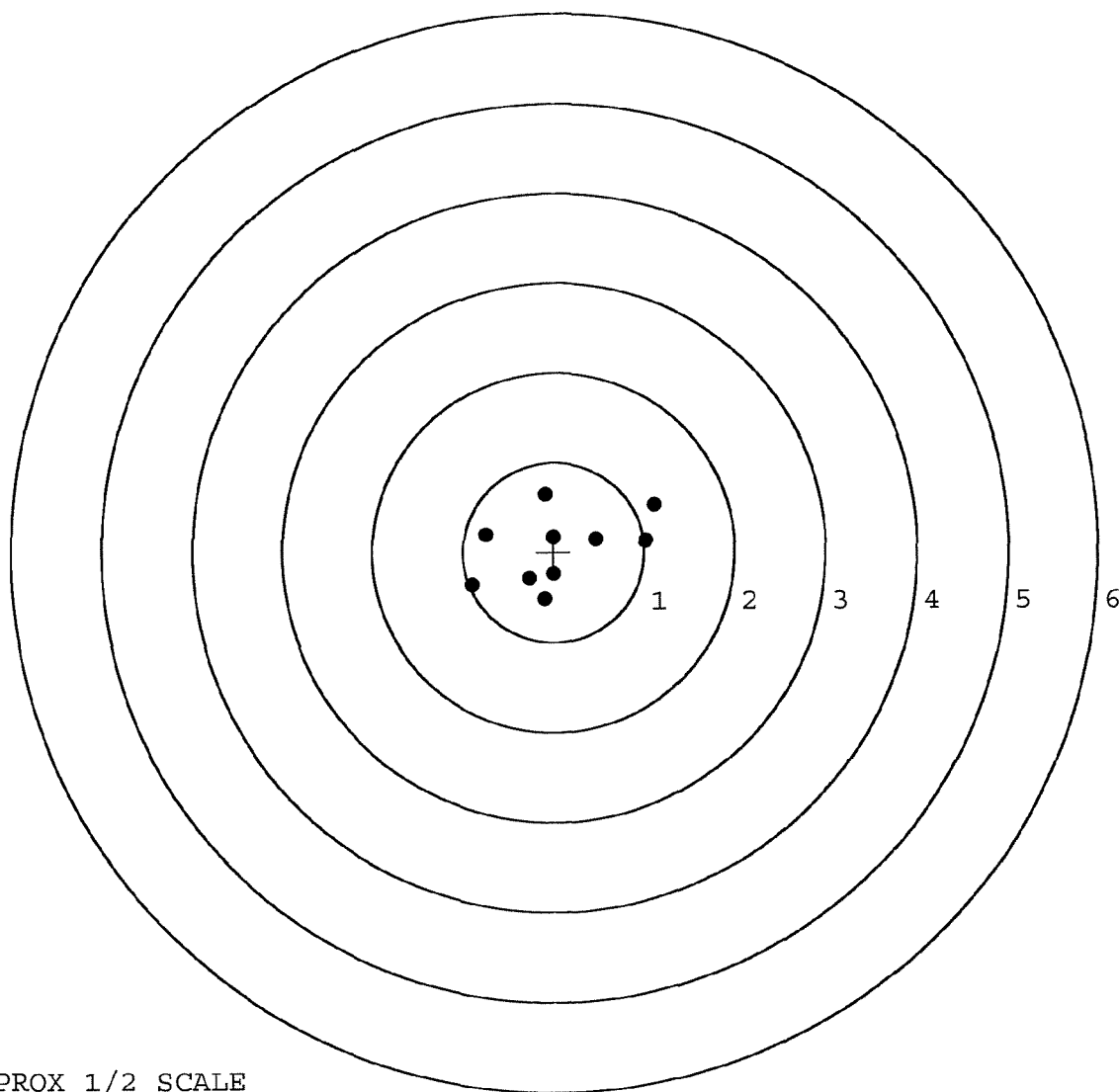


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522250. 0
TARGET NUMBER: 2
FILE DATE: 11/28/2005
FILE TIME: 14:36

X CENTROID: 0.048
Y CENTROID: 0.034
POA TO CENTROID: 0.059
HORZ SPREAD: 2.006
VERT SPREAD: 1.169
GROUP SPREAD: 2.197
MIN RADIUS: 0.139
MAX RADIUS: 1.168
MEAN RADIUS: 0.650
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.109	0.523
2:	1.014	0.125
3:	0.463	0.144
4:	0.003	0.166
5:	-0.099	0.640
6:	-0.750	0.196
7:	-0.897	-0.372
8:	-0.269	-0.299
9:	0.003	-0.251
10:	-0.100	-0.529

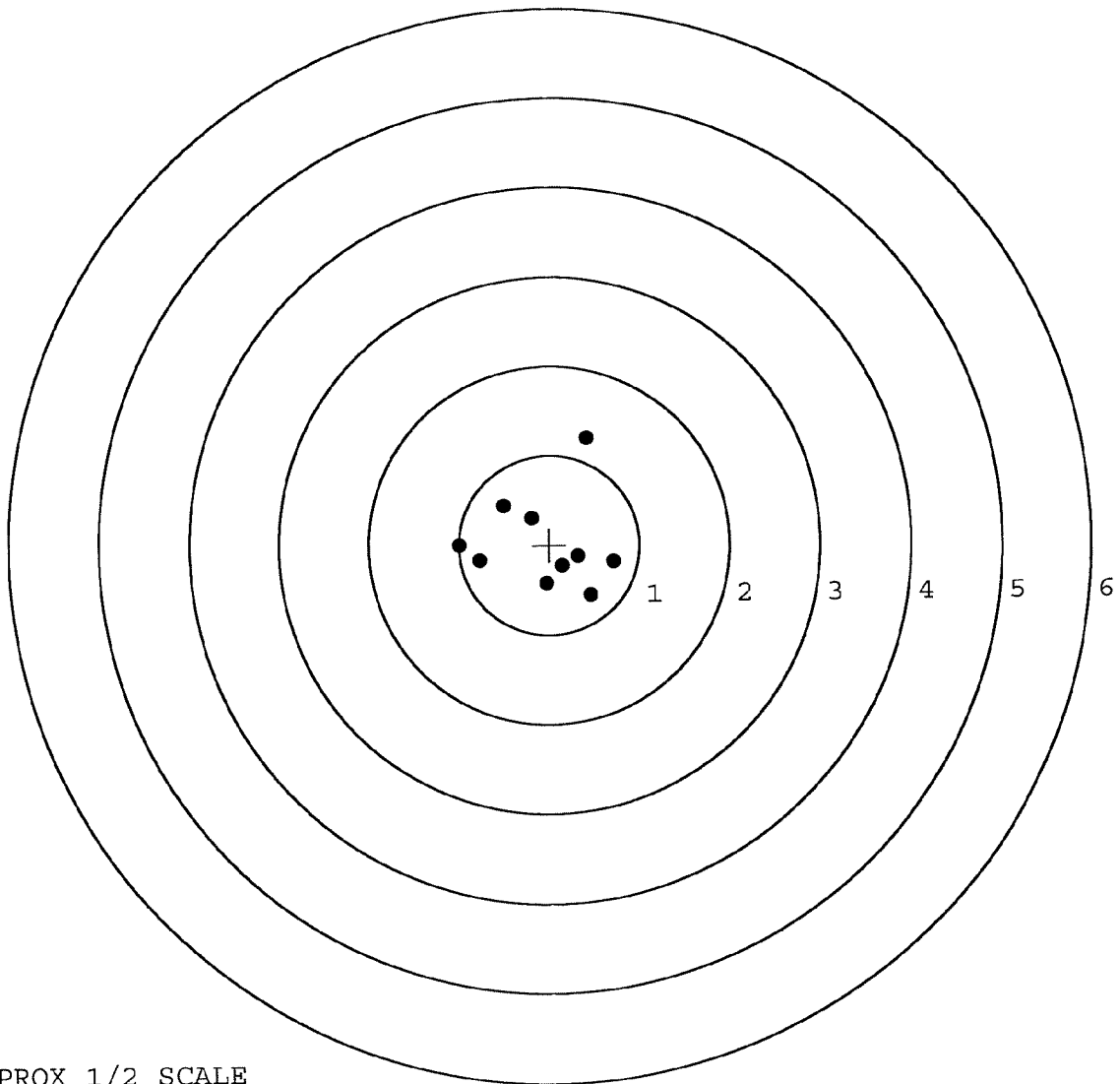


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522250. 0
TARGET NUMBER: 3
FILE DATE: 11/28/2005
FILE TIME: 14:36

X CENTROID: -0.045
Y CENTROID: 0.022
POA TO CENTROID: 0.050
HORZ SPREAD: 1.708
VERT SPREAD: 1.753
GROUP SPREAD: 1.855
MIN RADIUS: 0.322
MAX RADIUS: 1.258
MEAN RADIUS: 0.663
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.420	1.191
2:	-0.196	0.306
3:	-0.502	0.444
4:	-0.767	-0.171
5:	-1.000	-0.002
6:	0.708	-0.192
7:	0.457	-0.562
8:	0.319	-0.127
9:	0.146	-0.239
10:	-0.036	-0.432

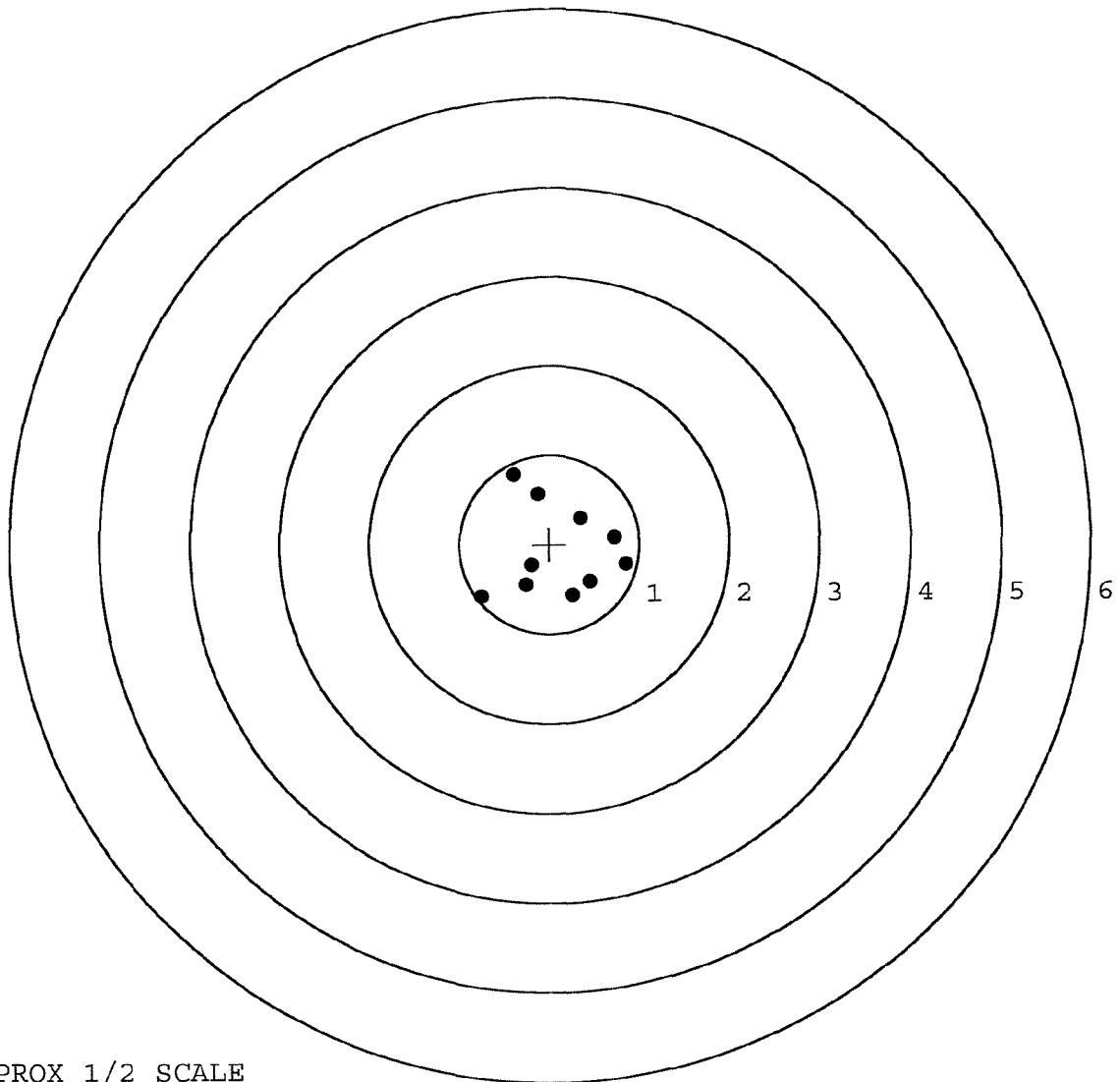


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522250. 0
TARGET NUMBER: 4
FILE DATE: 11/28/2005
FILE TIME: 14:36

X CENTROID: 0.087
Y CENTROID: -0.076
POA TO CENTROID: 0.116
HORZ SPREAD: 1.604
VERT SPREAD: 1.363
GROUP SPREAD: 1.599
MIN RADIUS: 0.331
MAX RADIUS: 0.984
MEAN RADIUS: 0.639
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.394	0.782
2:	-0.128	0.563
3:	0.344	0.297
4:	0.723	0.081
5:	0.848	-0.225
6:	0.449	-0.415
7:	0.255	-0.568
8:	-0.201	-0.238
9:	-0.266	-0.454
10:	-0.756	-0.581

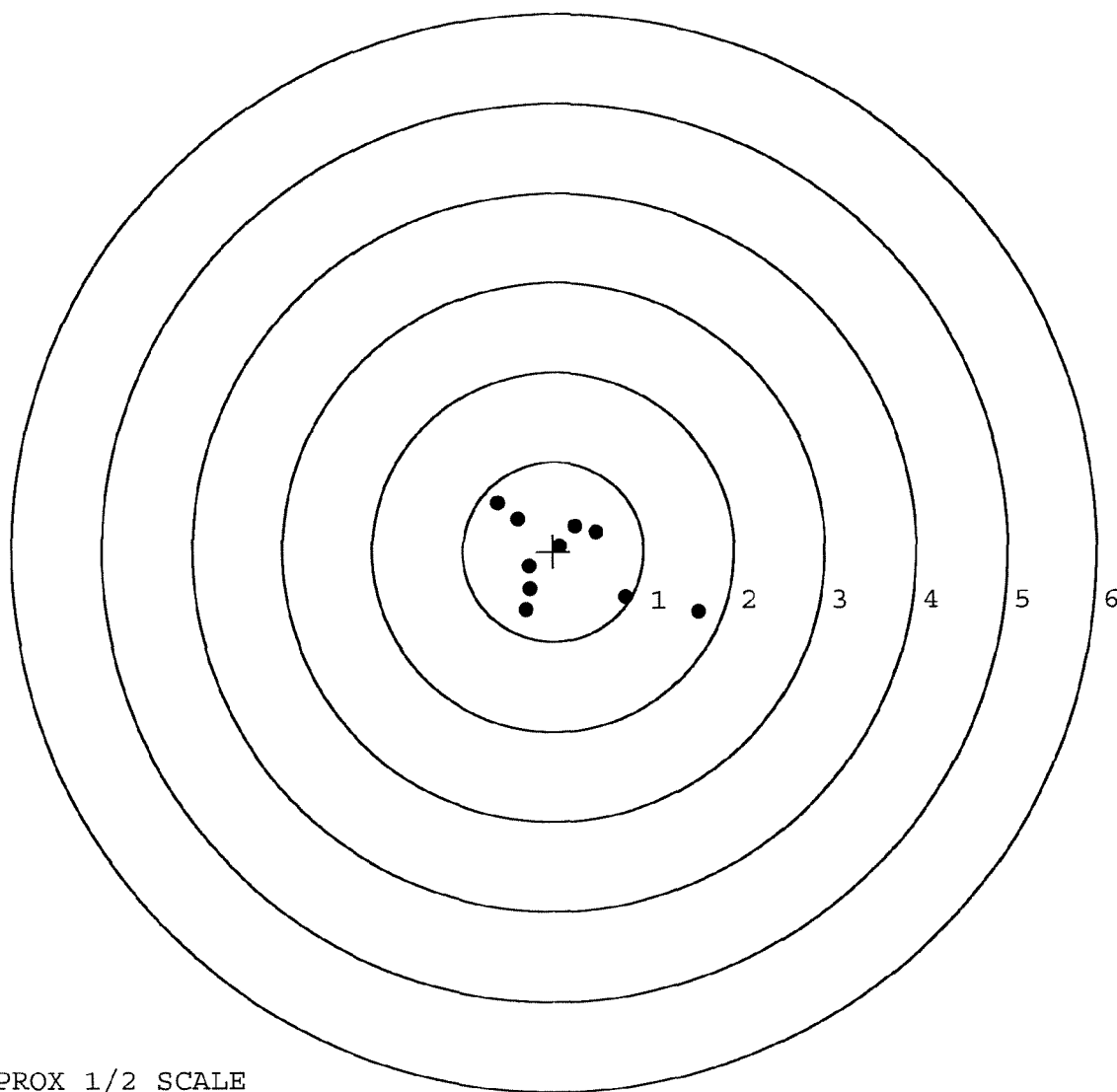


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522250. __0
TARGET NUMBER: 5
FILE DATE: 11/28/2005
FILE TIME: 14:36

X CENTROID: 0.132
Y CENTROID: -0.099
POA TO CENTROID: 0.165
HORZ SPREAD: 2.216
VERT SPREAD: 1.223
GROUP SPREAD: 2.531
MIN RADIUS: 0.165
MAX RADIUS: 1.580
MEAN RADIUS: 0.671
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.600	-0.682
2:	0.798	-0.516
3:	0.473	0.214
4:	0.234	0.283
5:	0.069	0.054
6:	-0.396	0.363
7:	-0.616	0.541
8:	-0.267	-0.167
9:	-0.266	-0.423
10:	-0.313	-0.656



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 11-04-05

TESTER S.F.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.52	2.72		2.42	
PULL #2	2.56	2.68		2.73	
PULL #3	2.54	2.45		2.52	
PULL #4	2.67	2.67		2.58	
PULL #5	2.49	2.78		2.33	
TOTAL	12.78	13.30		12.58	
AVERAGE	2.56	2.66		2.52	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.09	3.08		
PULL #2	3.16	3.10		
PULL #3	3.19	3.21		
PULL #4	3.24	3.20		
PULL #5	2.94	3.23		
TOTAL	15.62	15.82		
AVERAGE	3.12	3.16		

	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	4.11	4.16		3.96
PULL #2	4.25	4.31		4.03
PULL #3	4.15	4.21		3.90
PULL #4	4.07	4.23		4.09
PULL #5	4.16	4.19		4.24
TOTAL	20.74	21.10		20.22
AVERAGE	4.15	4.22		4.04

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

R & E NUMBER	10 2779		Camp Shelby	
SERIAL NUMBER	06522250			
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 INSPECTED NOV 18 2005	11-15-05	CD
605	CHECK HEADSPACE		11-15-05	CD
610	DIS-ASSEMBLE GUN		11-15-05	CD
612	MAGNAFLUX		11/18/05	WMB
510	DRILL AND TAP		11-17-05	BR
615	ROLLMARK CALIBER		11-18-05	CW
618	ROTO-BLAST		11-21-05	WB
620	APPLY COATINGS		11/22/05	RB
625	FINAL ASSEMBLY		11-23-05	BG
640	FUNCTION TEST AND	PASS FAIL	11-25-05	TRW
650	TARGET	PASS FAIL	11-25-05	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	11-28-05	TRW
670	FINAL INSPECTION		11-28-05	AC
	A) HEADSPACE	PASS FAIL	11-28-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	253 2.73 2.71 2.62 2.77	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	.024 .024 .024	AC
690	PACK		12-1-05	BA

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522250

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/90	KJ
600	Proof		6/24/90	KJ
607	Check Headspace		6/24/90	KJ
610	Dis-assemble Gun		6/24/90	KJ
612	Magnaflux Barrel Action		7/10/90	KR
	Magnaflux Bolt		7/10/90	KR
615	Rollmark Caliber		7/10/90	LS
617	Drill and Tap Sight Holes		7/11/90	FB
618	Polish Barrel RB		7/31/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/10/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/10/90	KS
	C) Inspect Ejector Hole for Chamfer		8/10/90	KS
	D) Oil Firing Pin Ass'y		8/10/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-11-90	JL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/6/90	JL
	G) Safety Off Force	3	3	3			8/6/90	JL
	H) Trigger Pull Test & Retainability						9-11-90	JL
	I) Firing Pin Indent	.0235	.0235	.0235			8/6/90	JL
	J) Assemble Stock						8/13/90	KS
	K) Assemble Swivel Studs						9/12/90	JDS
	L) Attach Front and Rear Sight Assemblies						8/13/90	KS
	M) Iron Sight Alignment						8/13/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/13/90	KS
	O) Attach Scope to Rifle						8/13/90	KS
	P) Detach & Attach Scope 20 Times						8/13/90	KS
640	Gallery Target & Test						8-14-90	DH
	A) Time						8-14-90	DH
	B) Malfunctions						8-14-90	DH
	C) Pierced Primers						8-14-90	DH
	D) Optical Clarity of Scope						8-14-90	DH
645	Inspect for Live Ammo						8-14-90	DH
655	Final Inspection							
	A) Headspace						9/12/90	KS
	B) Trigger Pull	2.15	2.27	2.39	2.19	2.38	9-11-90	JL
	C) Function						9/12/90	JDS
660	Pack						9/19/90	AF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6522250

DATE 9-11-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.41	2.34	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.37	2.44	2.27	
PULL #3	2.12	2.44	2.44	2.39	
PULL #4	2.31	2.41	2.47	2.19	
PULL #5	2.43	2.40	2.44	2.38	
TOTAL	11.84	12.03	12.13	11.48	
AVG.	2.368	2.406	2.426	2.296	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.27		
PULL #2	3.44	3.21		
PULL #3	3.45	3.23		
PULL #4	3.50	3.21		
PULL #5	3.25	3.27		
TOTAL	17.07	16.19		
AVG.	3.414	3.238		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.19		4.33
PULL #2	4.20	4.28		4.35
PULL #3	4.29	4.29		4.34
PULL #4	4.35	4.32		4.34
PULL #5	4.19	4.37		4.36
TOTAL	21.29	21.45		21.72
AVG.	4.258	4.29		4.344

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522250
14 Aug 1990

CENTROIDAL DISTANCES

Q TC	1	.507868
TC	2	.370794
TC	3	1.31391
TC	4	.926654
TC	5	1.10193

2.5
+
+ <-----POA
2.1

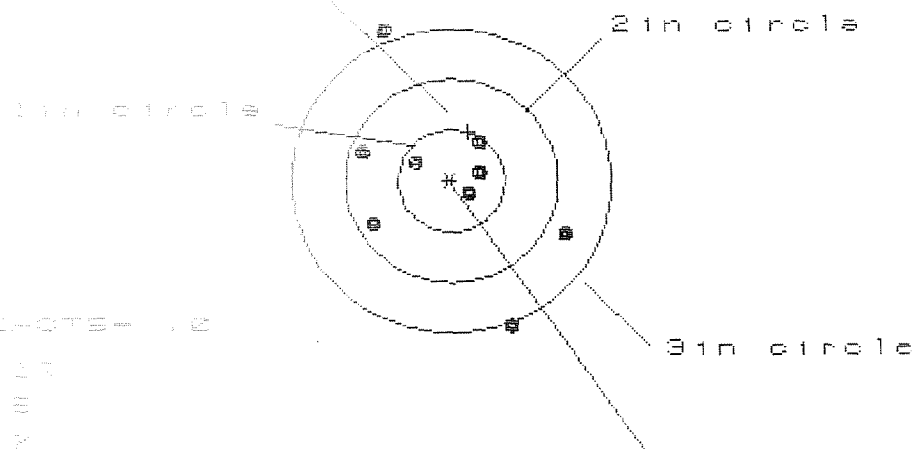
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4384
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0916
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .447867
THE AMP FOR THIS RIFLE IS: .8176

14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522250.1

CENTERFIRE PATTERNS # 1

POF



OF SHOTS- 10

1 1 1 1 1 1 1 1 1 1

2 1 1 1 1 1 1 1 1 1

3 1 1 1 1 1 1 1 1 1

4 1 1 1 1 1 1 1 1 1

5 1 1 1 1 1 1 1 1 1

6 1 1 1 1 1 1 1 1 1

7 1 1 1 1 1 1 1 1 1

CENTROID #

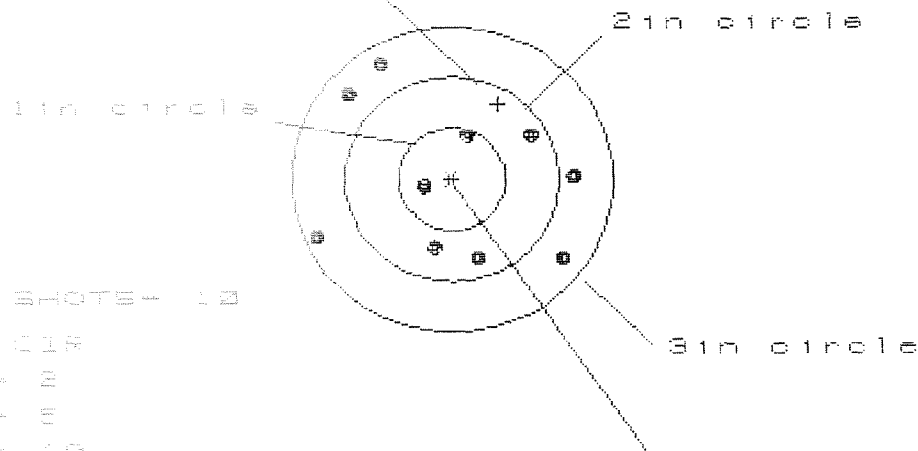
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.094	1.025	1.084
MINIMUM X	:	-.803	-.872	-.813
MAXIMUM Y	:	1.529	.543	.391
MINIMUM Y	:	-1.384	-1.214	-.491
CENTROID X	:	-.163	-.094	-.153
CENTROID Y	:	-.481	-.651	-.499
POF TO CENTROID in.	:	.508	.658	.522
MIN RADIUS	:	.220	.102	.201
MEAN RADIUS	:	.769	.666	.568
MAX RADIUS	:	1.651	1.303	1.190
HORIZONTAL SPREAD	:	1.897	1.897	1.897
VERTICAL SPREAD	:	2.913	1.757	.882
EXTREME SPREAD	:	3.137	2.165	2.067
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

14 Aug 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6522250.1

CENTERFIRE PATTERNS # 2

FOR



N OF SHOTS = 10

MAX X = 1.090

MIN X = -1.256

MAX Y = 1.145

MIN Y = -0.803

CENTROID X = -0.435

CENTROID Y = -0.733

FOR TO CENTROID IN. = 0.853

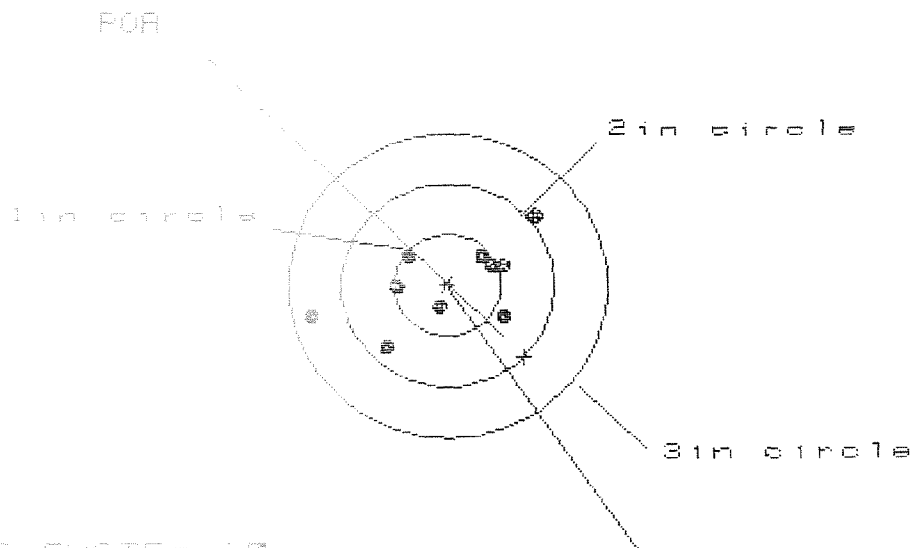
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.090	.950	.851
MINIMUM X	:	-1.256	-1.093	-1.192
MAXIMUM Y	:	1.145	1.086	.868
MINIMUM Y	:	-0.803	-0.862	-0.726
CENTROID X	:	-0.435	-0.295	-0.196
CENTROID Y	:	-0.733	-0.674	-0.810
FOR TO CENTROID IN.	:	.853	.736	.833
MIN RADIUS	:	.283	.363	.503
MEAN RADIUS	:	.935	.879	.808
MAX RADIUS	:	1.365	1.346	1.475
HORIZONTAL SPREAD	:	2.346	2.043	2.043
VERTICAL SPREAD	:	1.948	1.948	1.594
EXTREME SPREAD	:	2.575	2.575	2.543
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Aug 1998

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

1 IN CIR

1in = 5

2in = 8

3in = 10

ME= 2.146

VE= 1.352

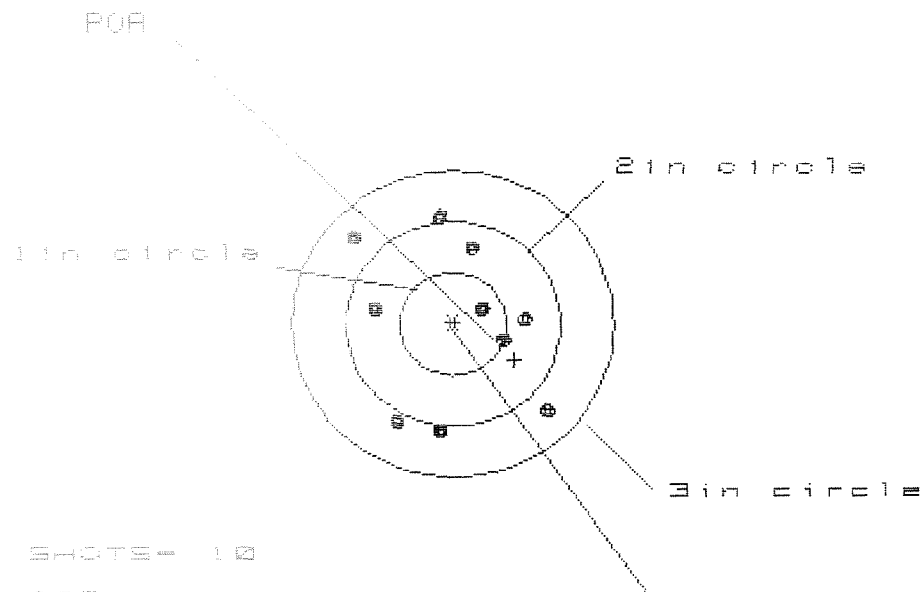
GE= 2.391

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.859	.716	.509
MINIMUM X	-1.287	-.686	-.596
MAXIMUM Y	.697	.657	.357
MINIMUM Y	-.655	-.695	-.613
CENTROID X	-.720	-.577	-.667
CENTROID Y	.709	.749	.667
POA TO CENTROID in.	1.011	.946	.943
MIN RADIUS	.234	.316	.233
MEAN RADIUS	.657	.566	.514
MAX RADIUS	1.336	.977	.855
HORIZONTAL SPREAD	2.146	1.402	1.105
VERTICAL SPREAD	1.352	1.352	.970
EXTREME SPREAD	2.391	1.948	1.369
NUMBER IN ONE INCH CIRCLE =		5	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

14 Aug 1998

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 10

ME= 1.797

VE= 2.139

GE= 2.496

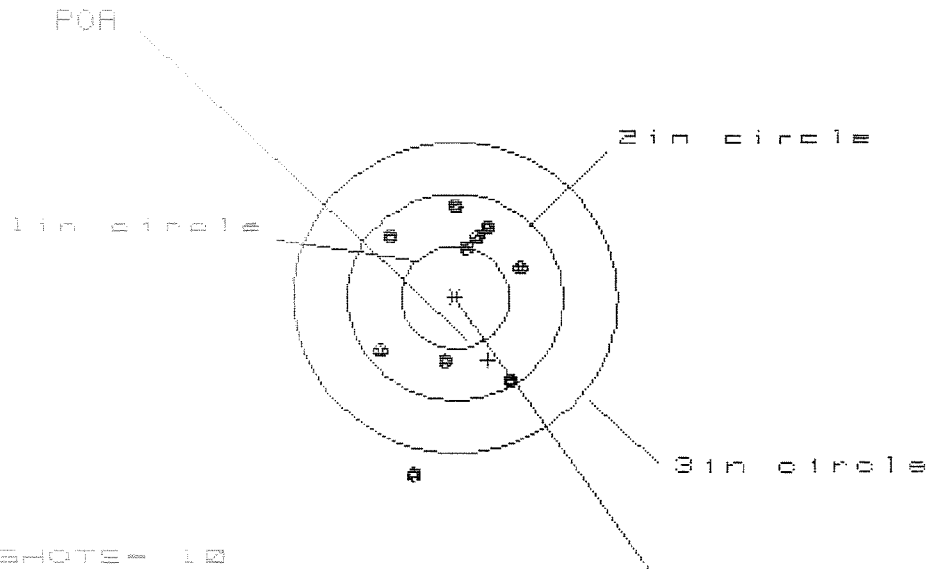
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.885	.740	.638
MINIMUM X	:	-.912	-.813	-.757
MAXIMUM Y	:	1.045	.946	1.039
MINIMUM Y	:	-1.094	-1.193	-1.100
CENTROID X	:	-.571	-.670	-.568
CENTROID Y	:	.351	.450	.357
POR TO CENTROID in.	:	.671	.807	.671
MIN RADIUS	:	.281	.360	.276
MEAN RADIUS	:	.875	.833	.781
MAX RADIUS	:	1.255	1.193	1.104
HORIZONTAL SPREAD	:	1.797	1.553	1.395
VERTICAL SPREAD	:	2.139	2.139	2.139
EXTREME SPREAD	:	2.496	2.140	2.140
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Aug 1990

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 9

3 in = 9

ME = 1.319

VE = 2.559

GE = 2.580

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.642	.601	.653
MINIMUM X	:	-.677	-.718	-.666
MAXIMUM Y	:	.855	.666	.540
MINIMUM Y	:	-1.704	-1.003	-.905
CENTROID X	:	-.303	-.262	-.314
CENTROID Y	:	.612	.801	.927
POA TO CENTROID in.	:	.683	.843	.978
MIN RADIUS	:	.554	.361	.268
MEAN RADIUS	:	.852	.705	.623
MAX RADIUS	:	1.742	1.086	1.067
HORIZONTAL SPREAD	:	1.319	1.319	1.319
VERTICAL SPREAD	:	2.559	1.669	1.445
EXTREME SPREAD	:	2.580	1.783	1.594
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

Remington®

MODEL 700™ H24

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

REMINGTON-UMC
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6522250

ORDER NO.
5716

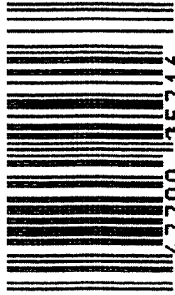
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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