

C6523425

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*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: **RE00102772** Serial: C6523425 Model M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 7:46:48 AM

Vault 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: **DEF TRAINING BDE ROTATION** **DEF 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
A006	Sling Strap	1
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
C000	TORQUE WRENCH	1
C001	SPOTTING SCOPE	1

PR S Scope

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

magletj 10/26/2005 9:33 AM CAPS NUM INS SCPL

start 2 2 3 Arms S

Serial Number: **C6523425**

Model: **M24 SWS**



RE00102772

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523425.___0
FILE DATE AND TIME: 11/19/2005 17:08

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.034
The Average Y Centroid of the Five Target Set:	0.065
The Average Point of Impact of the Five Target Set:	0.073
The Average Mean Radius of the Five Target Set:	0.567
The Distance from POA to Centroid Target #1:	0.112
The Distance from Centroid Target #2 to Centroid Target #1:	0.244
The Distance from Centroid Target #3 to Centroid Target #1:	0.430
The Distance from Centroid Target #4 to Centroid Target #1:	0.105
The Distance from Centroid Target #5 to Centroid Target #1:	0.207

SERIAL NUMBER: C6523425. 0

TARGET NUMBER: 1

FILE DATE: 11/19/2005

FILE TIME: 17:08

X CENTROID: 0.066

Y CENTROID: -0.090

POA TO CENTROID: 0.112

HORZ SPREAD: 1.599

VERT SPREAD: 2.244

GROUP SPREAD: 2.755

MIN RADIUS: 0.285

MAX RADIUS: 1.579

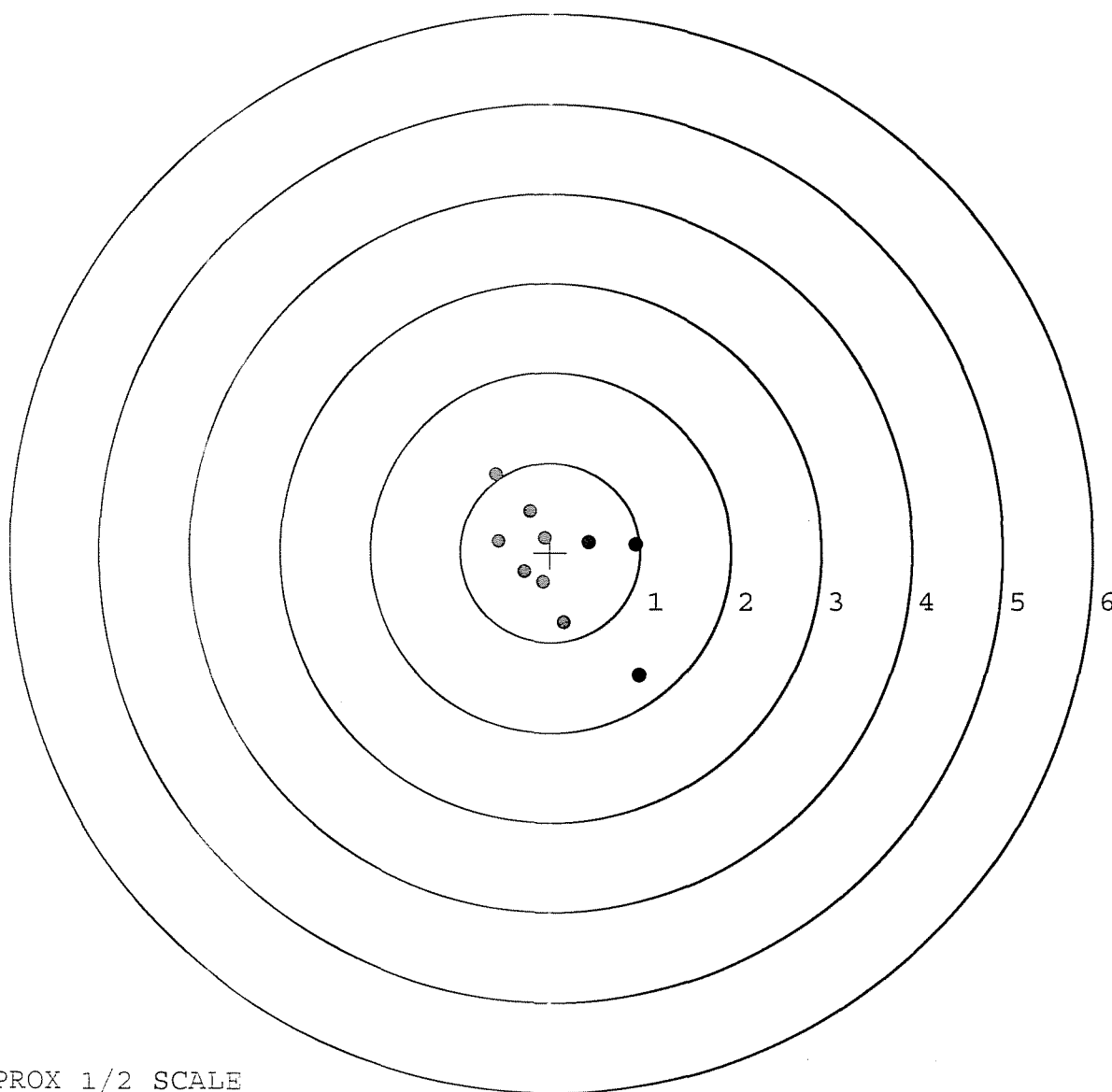
MEAN RADIUS: 0.703

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.064	0.163
2:	-0.232	0.455
3:	-0.610	0.873
4:	-0.578	0.121
5:	-0.289	-0.226
6:	-0.081	-0.338
7:	0.147	-0.784
8:	0.948	0.088
9:	0.432	0.116
10:	0.989	-1.371



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523425. __0

TARGET NUMBER: 2

FILE DATE: 11/19/2005

FILE TIME: 17:08

X CENTROID: 0.067

Y CENTROID: 0.154

POA TO CENTROID: 0.168

HORZ SPREAD: 1.025

VERT SPREAD: 0.945

GROUP SPREAD: 1.037

MIN RADIUS: 0.106

MAX RADIUS: 0.633

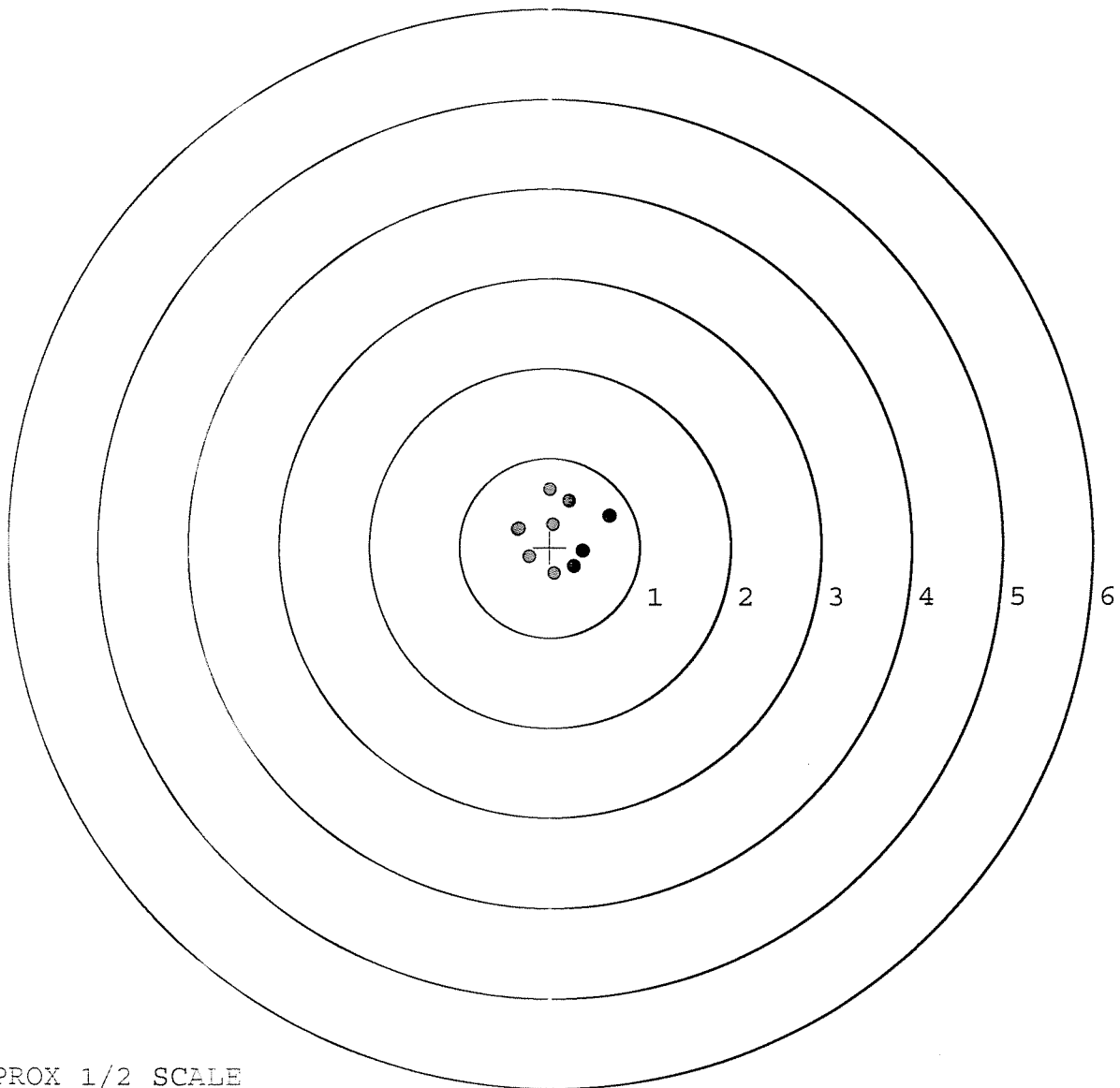
MEAN RADIUS: 0.411

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.034	0.254
2:	0.047	-0.295
3:	0.666	0.359
4:	-0.359	0.205
5:	-0.228	-0.111
6:	0.367	-0.042
7:	0.267	-0.214
8:	0.219	0.523
9:	0.002	0.650
10:	-0.345	0.207



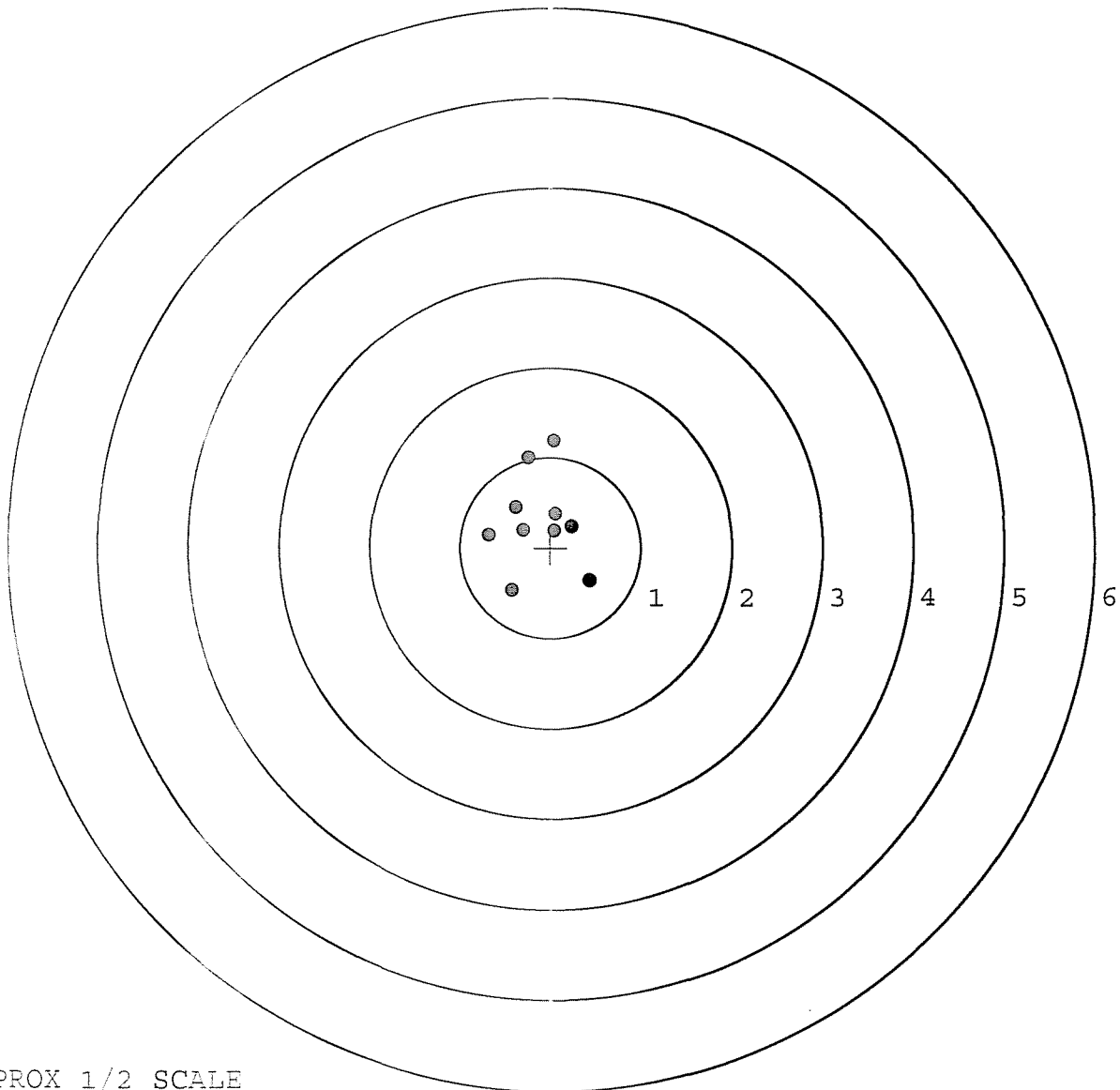
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523425. __0
 TARGET NUMBER: 3
 FILE DATE: 11/19/2005
 FILE TIME: 17:08

X CENTROID: -0.125
 Y CENTROID: 0.294
 POA TO CENTROID: 0.320
 HORZ SPREAD: 1.118
 VERT SPREAD: 1.651
 GROUP SPREAD: 1.717
 MIN RADIUS: 0.197
 MAX RADIUS: 0.904
 MEAN RADIUS: 0.515

POINT#	X	Y
1:	0.234	0.240
2:	0.042	0.189
3:	0.053	0.380
4:	-0.389	0.449
5:	-0.306	0.194
6:	-0.682	0.142
7:	-0.243	0.995
8:	0.038	1.183
9:	-0.433	-0.468
10:	0.436	-0.361

IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

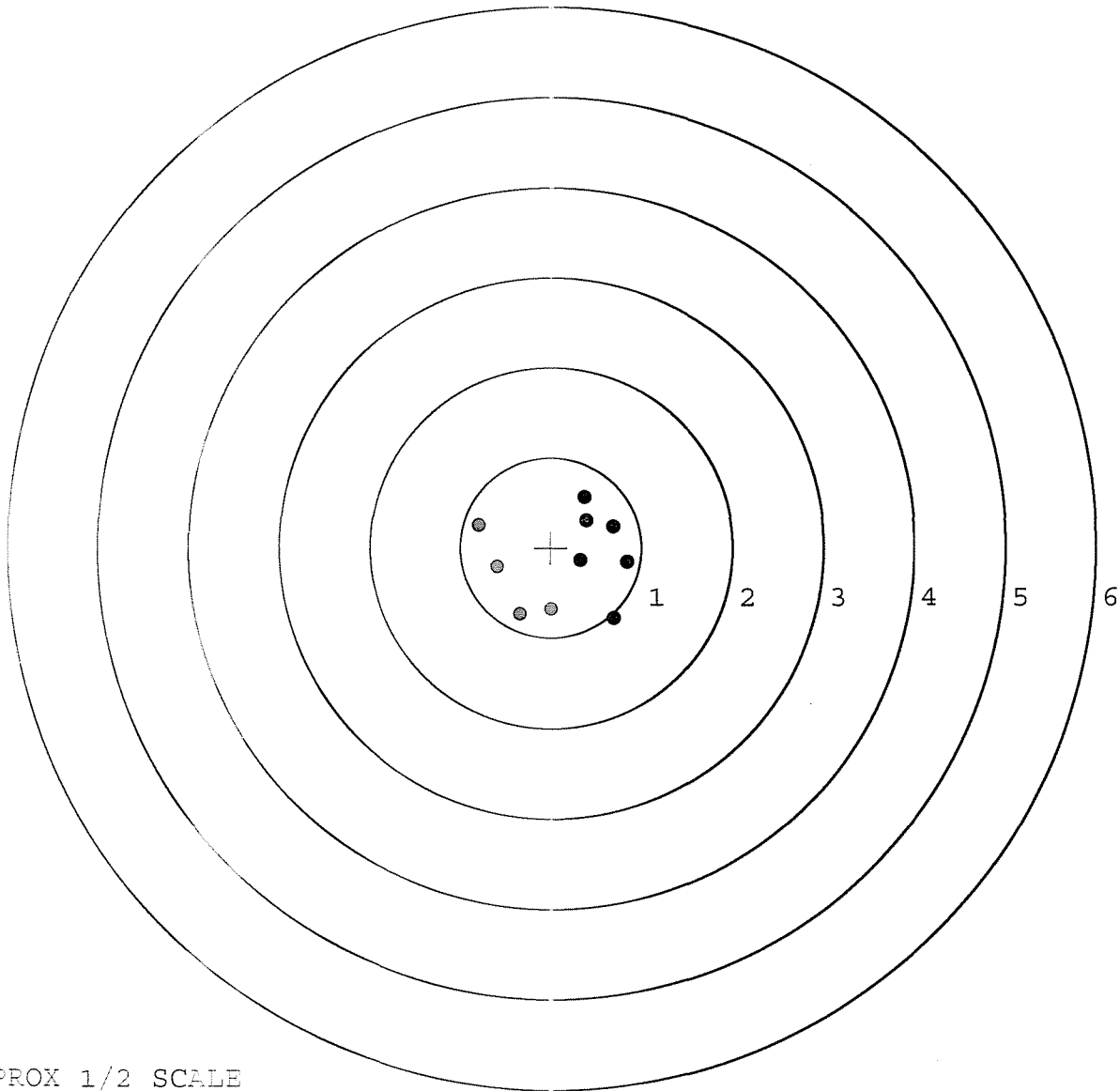


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523425. 0
 TARGET NUMBER: 4
 FILE DATE: 11/19/2005
 FILE TIME: 17:08

X CENTROID: 0.160
 Y CENTROID: -0.138
 POA TO CENTROID: 0.211
 HORZ SPREAD: 1.641
 VERT SPREAD: 1.355
 GROUP SPREAD: 1.818
 MIN RADIUS: 0.173
 MAX RADIUS: 1.032
 MEAN RADIUS: 0.675
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.333	-0.144
2:	0.845	-0.164
3:	0.692	0.239
4:	0.395	0.305
5:	0.373	0.566
6:	-0.796	0.252
7:	-0.599	-0.217
8:	-0.346	-0.744
9:	0.005	-0.688
10:	0.695	-0.789

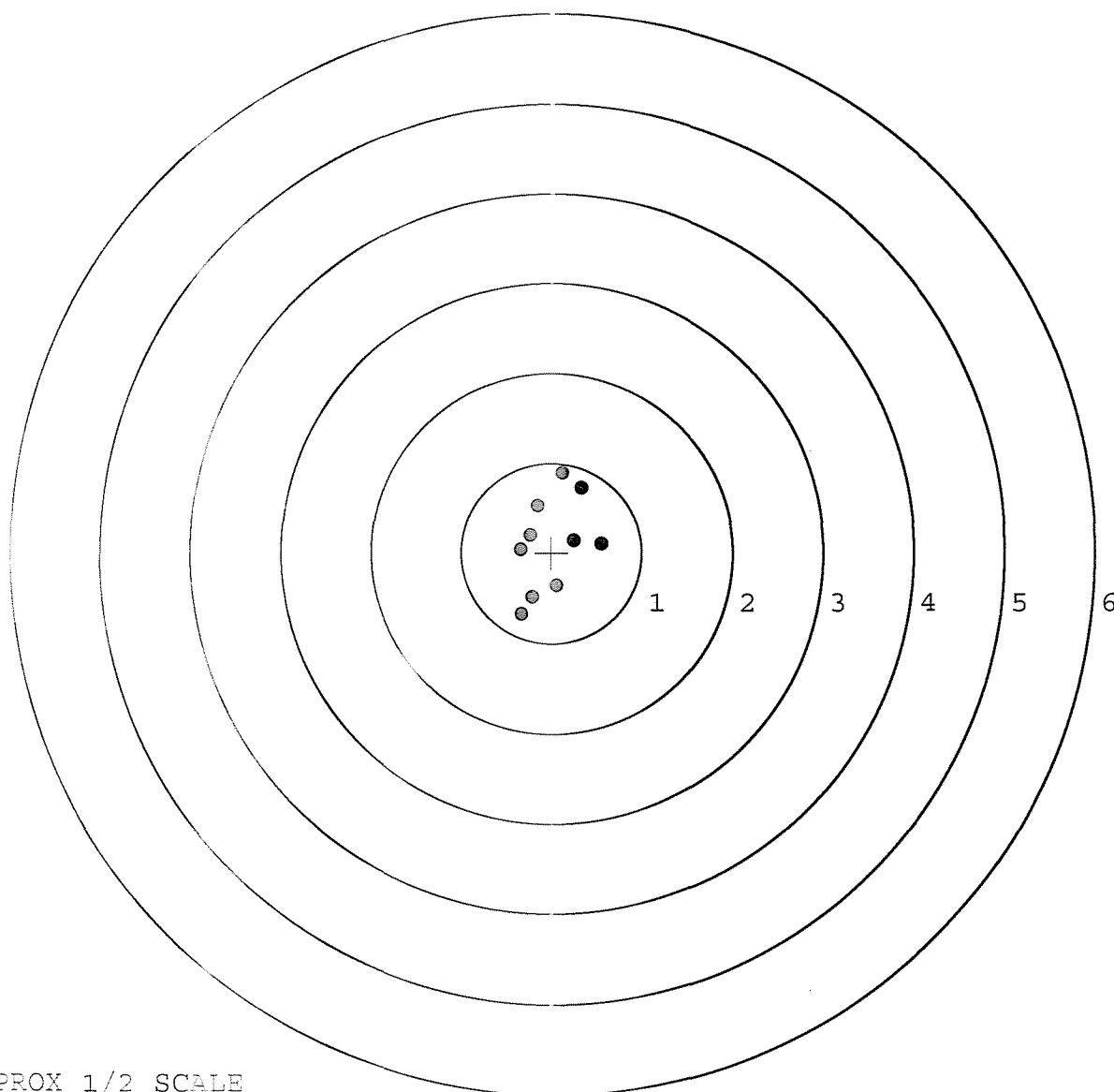


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523425. 0
 TARGET NUMBER: 5
 FILE DATE: 11/19/2005
 FILE TIME: 17:08

X CENTROID: 0.002
 Y CENTROID: 0.106
 POA TO CENTROID: 0.106
 HORZ SPREAD: 0.897
 VERT SPREAD: 1.576
 GROUP SPREAD: 1.641
 MIN RADIUS: 0.252
 MAX RADIUS: 0.859
 MEAN RADIUS: 0.534
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.123	0.892
2:	0.329	0.726
3:	-0.163	0.523
4:	-0.238	0.197
5:	0.252	0.135
6:	0.555	0.104
7:	0.056	-0.367
8:	-0.220	-0.498
9:	-0.334	-0.684
10:	-0.342	0.034



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	10.2772	Camio	shelley
SERIAL NUMBER	C. 65.23425		
LOG-IN DATE	10-26-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIALS
550	DIS-ASSEMBLE GUN	11-2-05	AC
560 A	RE-BARREL	11-7-05	AC
B	DRILL AND TAP	11-11-05	BR
575	ASSEMBLE	11-14-05	CD
600	PROOF	11-14-05	CD
605	CHECK HEADSPACE	11-14-05	CD
610	DIS-ASSEMBLE GUN	11-14-05	CD
612	MAGNAFLUX OPERATOR	11/15/05	unsub
615	ROLLMARK CALIBER	11-15-05	CW
618	ROTO-BLAST	11-16-05	LB
620	APPLY COATINGS	11/16/05	HP
625 A	FINAL ASSEMBLY	11-18-05	AC
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	11-21-05	AC
D	SAFETY "OFF" FORCE	11-21-05	AC
E	FIRING PIN INDENT	11-21-05	AC
640	TARGET	11-19-05	WJM
655	FINAL INSPECT	11-21-05	AC
660	PACK	12-2-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523425

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		8/22/90	FB
618	Polish Barrel <i>RB</i>		8/22/90	WB
620	Apply Coatings (Barrel Action)		8/22/90	FA
	Apply Coating (Bolt)		8/22/90	FA
625	Final Assembly A) Clean inside of Bolt Assembly		9/13/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/13/90	WB
	C) Inspect Ejector Hole for Chamfer		9/13/90	WB
	D) Oil Firing Pin Ass'y		9/13/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		9/13/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/13/90	WB
	G) Safety Off Force	2	2	2			9/13/90	WB
	H) Trigger Pull Test & Retainability						9/13/90	WB
	I) Firing Pin Indent	1022	0215	022			9/13/90	WB
	J) Assemble Stock						9/13/90	KA
	K) Assemble Swivel Studs						9/17/90	JS
	L) Attach Front and Rear Sight Assemblies						9/16/90	KA
	M) Iron Sight Alignment						9/16/90	KA
	N) Detach Front & Rear Sights & place in numbered container						9/16/90	KA
	O) Attach Scope to Rifle						9/16/90	KA
	P) Detach & Attach Scope 20 Times						9/16/90	KA
640	Gallery Target & Test						9-17-90	AC
	A) Time						9-17-90	AC
	B) Malfunctions						9-17-90	AC
	C) Pierced Primers						9-17-90	AC
	D) Optical Clarity of Scope						9-17-90	AC
645	Inspect for Live Ammo						9-17-90	AC
655	Final Inspection						9/17/90	JS
	A) Headspace						9/17/90	JS
	B) Trigger Pull	2.56	2.55	2.54	2.55	2.52	9/17/90	JS
	C) Function						9/17/90	JS
660	Pack						9/19/90	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C 6523425DATE 9/13/90TESTER WAB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.21	2.35	2.56	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.29	2.22	2.55	
PULL #3	2.44	2.27	2.28	2.54	
PULL #4	2.37	2.34	2.24	2.55	
PULL #5	2.35	2.24	2.23	2.52	
TOTAL	11.97	11.35	11.32		
AVG.	2.29	2.27	2.26		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.00		
PULL #2	3.11	2.85		
PULL #3	3.14	3.04		
PULL #4	3.00	3.04		
PULL #5	3.04	2.90		
TOTAL	15.45	14.83		
AVG.	3.09	2.97		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.00		4.22
PULL #2	3.95	3.90		4.19
PULL #3	4.13	3.95		4.13
PULL #4	4.00	3.90		4.18
PULL #5	4.07	4.00		4.06
TOTAL	20.25	19.75		20.78
AVG.	4.05	3.95		4.15

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523425
17 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.254031
1 TO	2	.285491
1 TO	3	.202054
1 TO	4	.0684105
1 TO	5	.0223607

2 <----FOR

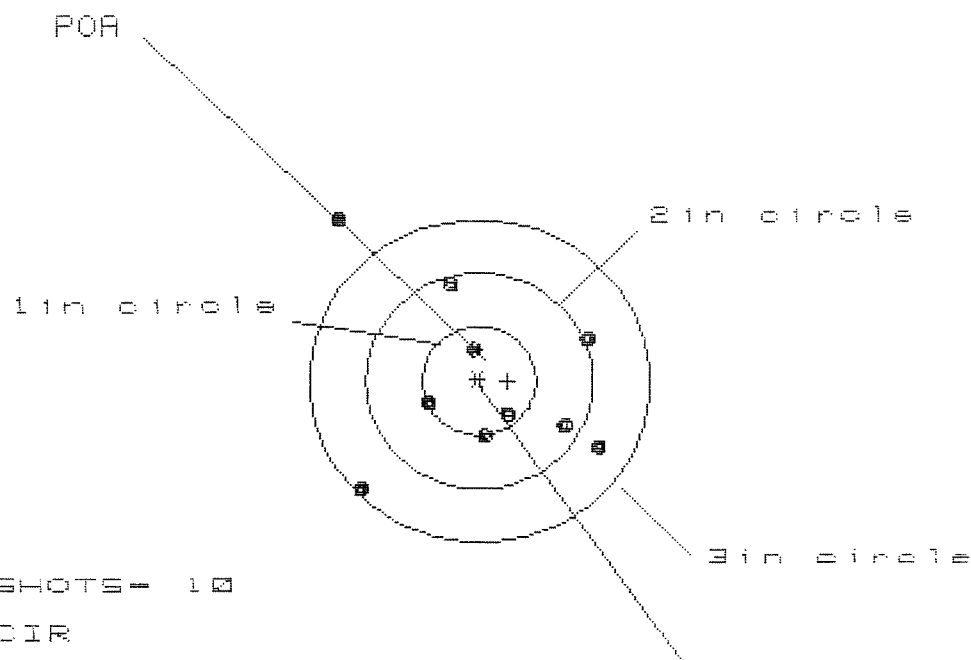
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1658
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0128
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .166293

THE AMR FOR THIS RIFLE IS: .898

17 Sep 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08583425

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 2.293

VS = 2.461

GS = 3.122

CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.022	.881	.736
MINIMUM X	:	-1.270	-1.165	-.741
MAXIMUM Y	:	1.470	1.027	.924
MINIMUM Y	:	-.991	-.828	-.589
CENTROID X	:	-.254	-.112	.033
CENTROID Y	:	.004	-.159	-.056
POA TO CENTROID in.	:	.254	.195	.065
MIN RADIUS	:	.291	.187	.226
MEAN RADIUS	:	.910	.760	.675
MAX RADIUS	:	1.943	1.429	1.079
HORIZONTAL SPREAD	:	2.293	2.046	1.477
VERTICAL SPREAD	:	2.461	1.855	1.513
EXTREME SPREAD	:	3.122	2.450	1.991
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523425

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.933

VS= 1.927

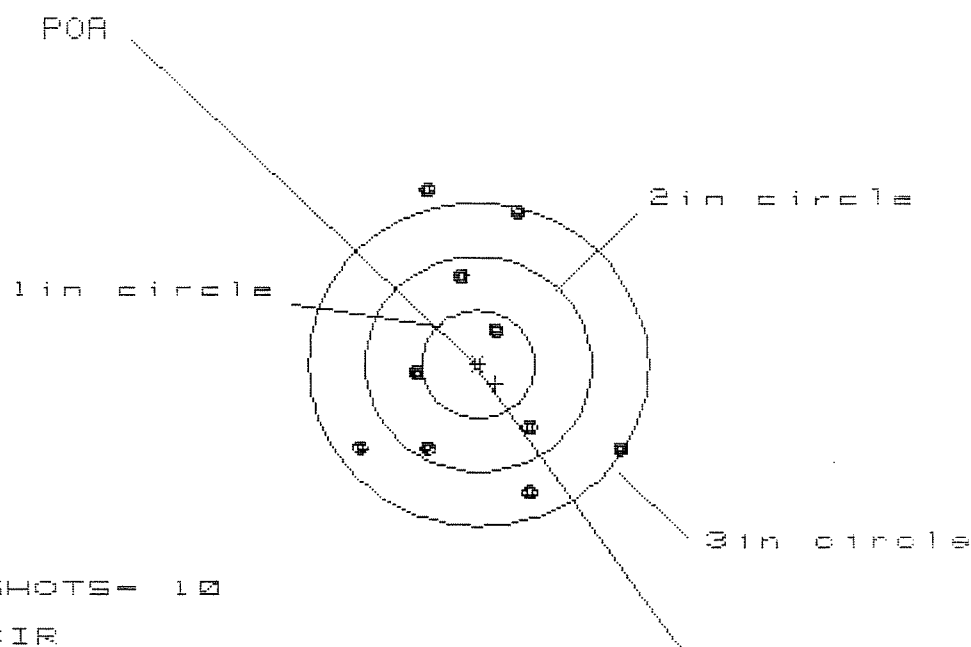
GS= 2.177

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.951	.842	.900
MINIMUM X	:	-.982	-.878	-.820
MAXIMUM Y	:	.894	.780	.647
MINIMUM Y	:	-1.033	-1.057	-.762
CENTROID X	:	.022	.131	.073
CENTROID Y	:	-.069	.045	.178
POA TO CENTROID in.	:	.073	.139	.192
MIN RADIUS	:	.333	.250	.107
MEAN RADIUS	:	.853	.761	.683
MAX RADIUS	:	1.425	1.156	1.179
HORIZONTAL SPREAD	:	1.933	1.720	1.720
VERTICAL SPREAD	:	1.927	1.837	1.409
EXTREME SPREAD	:	2.177	1.997	1.997
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523425

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.336

VS = 2.874

GS = 3.024

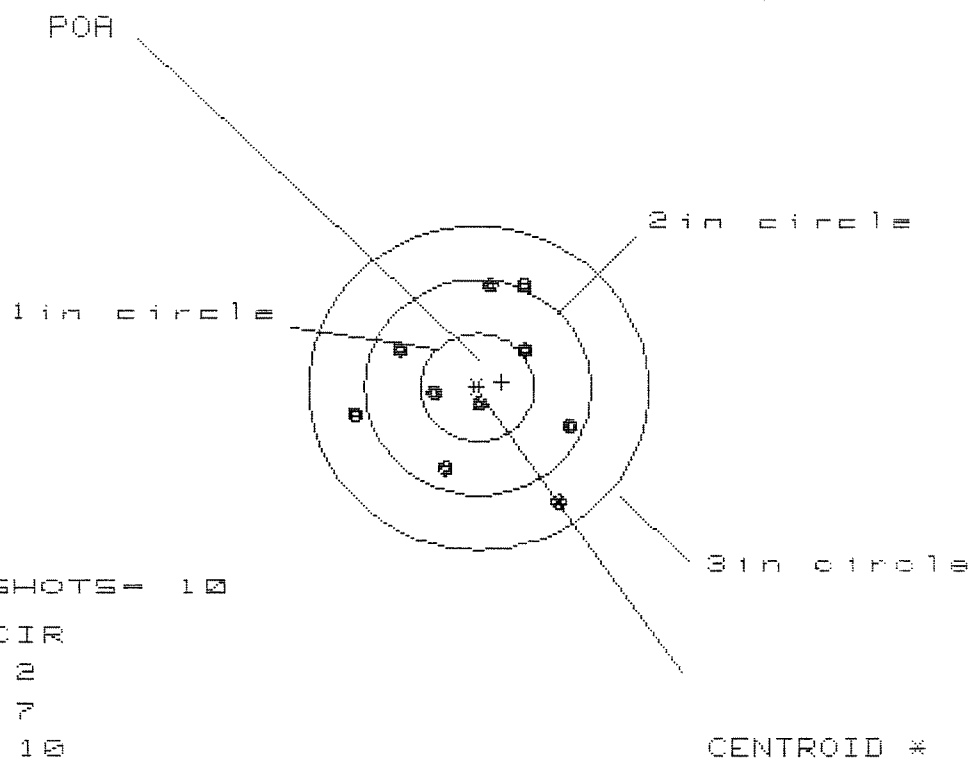
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.284	1.233	.558
MINIMUM X	:	-1.052	-1.103	-.949
MAXIMUM Y	:	1.650	1.604	1.524
MINIMUM Y	:	-1.224	-1.041	-1.121
CENTROID X	:	-.153	-.102	-.256
CENTROID Y	:	.179	-.004	.076
POA TO CENTROID in.	:	.235	.102	.267
MIN RADIUS	:	.367	.534	.440
MEAN RADIUS	:	1.064	.982	.914
MAX RADIUS	:	1.712	1.634	1.594
HORIZONTAL SPREAD	:	2.336	2.336	1.507
VERTICAL SPREAD	:	2.874	2.645	2.645
EXTREME SPREAD	:	3.024	2.646	2.646
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06528425

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 1.876

VS = 2.019

GS = 2.062

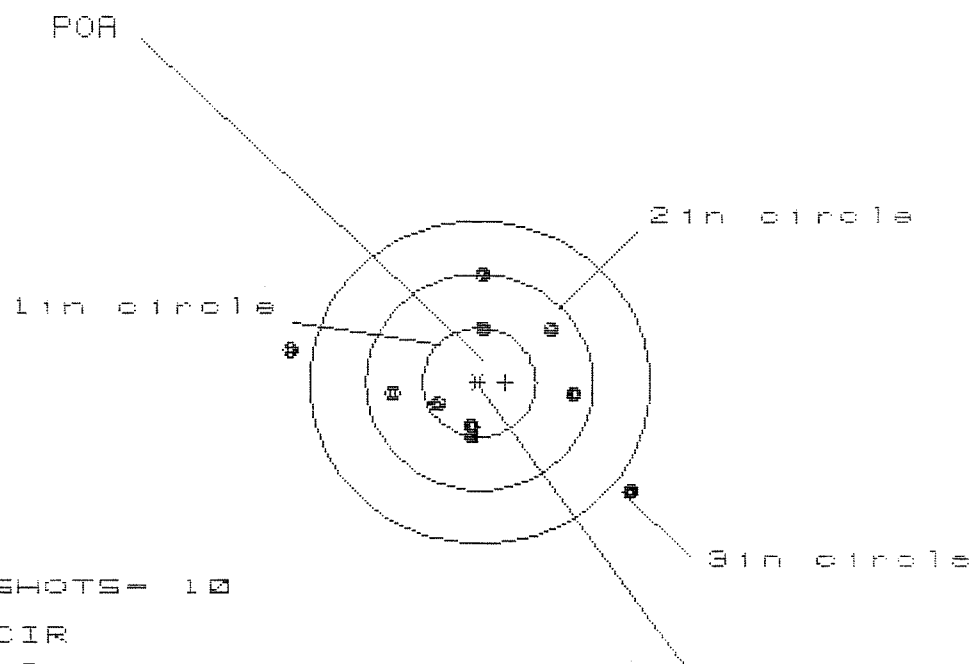
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.797	.877	.752
MINIMUM X	:	-1.079	-.999	-.761
MAXIMUM Y	:	.974	.858	.807
MINIMUM Y	:	-1.045	-.839	-.890
CENTROID X	:	-.212	-.292	-.167
CENTROID Y	:	-.050	.066	.117
POA TO CENTROID in.	:	.218	.300	.204
MIN RADIUS	:	.159	.296	.320
MEAN RADIUS	:	.795	.739	.693
MAX RADIUS	:	1.269	1.080	.967
HORIZONTAL SPREAD	:	1.876	1.876	1.513
VERTICAL SPREAD	:	2.019	1.697	1.697
EXTREME SPREAD	:	2.062	1.947	1.848
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C0523425

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 3.003

VS= 2.020

GS= 3.285

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.301	1.112	.828
MINIMUM X	:	-1.702	-.925	-.786
MAXIMUM Y	:	1.006	1.041	.919
MINIMUM Y	:	-1.014	-.979	-.617
CENTROID X	:	-.232	-.043	-.182
CENTROID Y	:	-.000	-.035	.087
POA TO CENTROID in.	:	.232	.056	.202
MIN RADIUS	:	.391	.431	.378
MEAN RADIUS	:	.868	.775	.666
MAX RADIUS	:	1.731	1.481	.919
HORIZONTAL SPREAD	:	3.003	2.037	1.614
VERTICAL SPREAD	:	2.020	2.020	1.536
EXTREME SPREAD	:	3.285	2.373	1.616
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

Remington[®]

MODEL 700TM M24

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

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

DUPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO. C6523425	ORDER NO. 5716
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LPC

0 47700 25716 7

5716 C6523425