

C6348754

MODEL 700TM M24

Model **SWS** TM

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: **RE00092923** Serial: C6348754 Model: M24 SWS Center Fire
 Varsity Repair: [REDACTED] Caliber: 7.62 NATO Produced: 12/13/1999 Repairman: [REDACTED]
 Status: New 2/10/2005 11:42:03 AM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: [REDACTED] Address 2: [REDACTED] PO Box: [REDACTED]

City: ANNISTON ANNISTON

State: AL AL Zip Code: 362014199 362014199 Country: US US

FEL: [REDACTED]

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: [REDACTED] Fax: [REDACTED] Email: [REDACTED] Comments: [REDACTED]

Received Condition: Good Condition Notes: [REDACTED] CSR Notes: [REDACTED]

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

magell 2/14/2005 10:14 AM CAPS INUM INS SCPL

start 5 2 3 Arms Services

Serial Number: **C6348754**
 Model: **M24 SWS**

RE00092923

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348754.__0
FILE DATE AND TIME: 05/19/2005 07:53

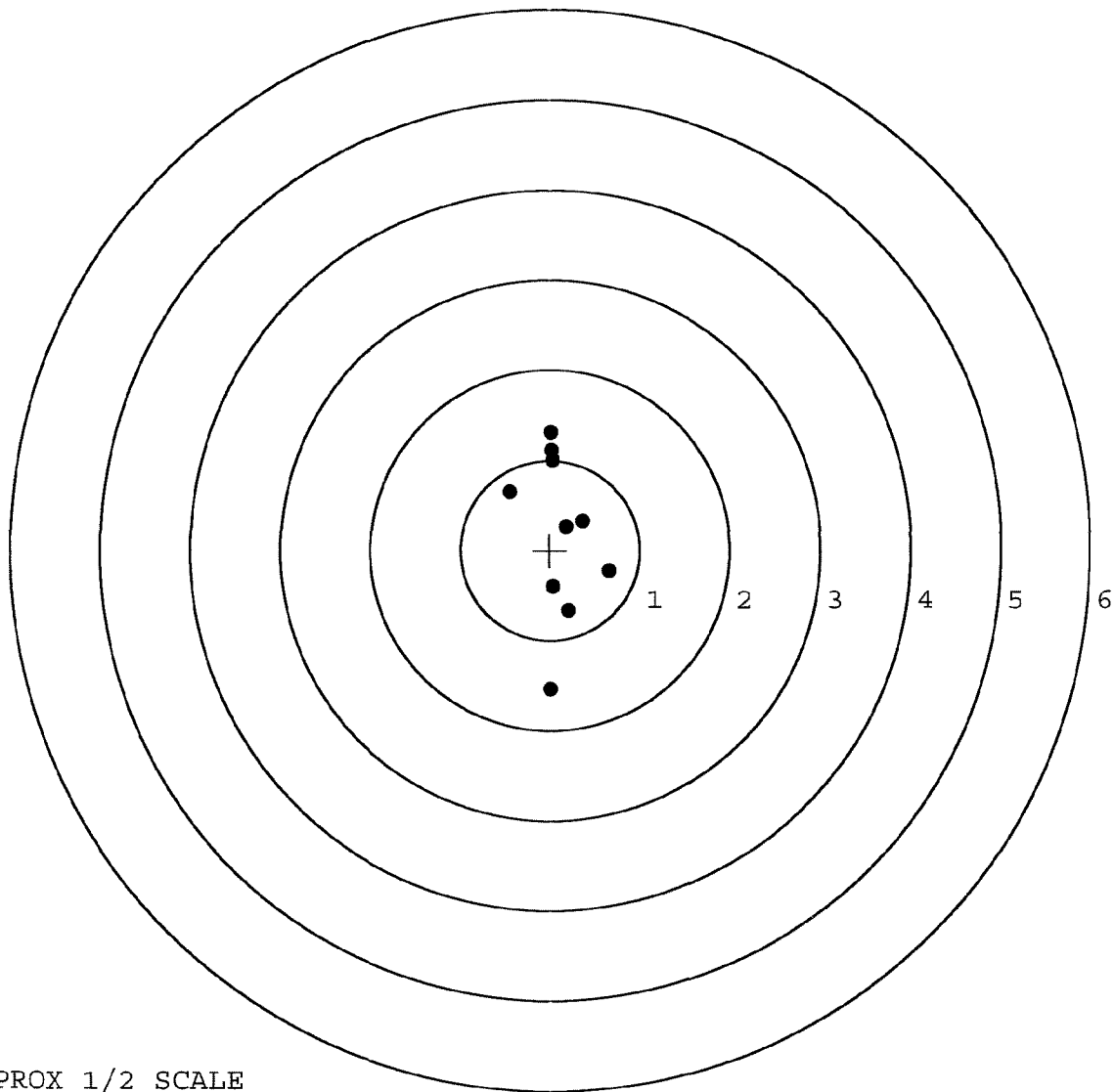
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.068
The Average Y Centroid of the Five Target Set:	0.066
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	1.031
The Distance from POA to Centroid Target #1:	0.209
The Distance from Centroid Target #2 to Centroid Target #1:	0.232
The Distance from Centroid Target #3 to Centroid Target #1:	0.150
The Distance from Centroid Target #4 to Centroid Target #1:	0.072
The Distance from Centroid Target #5 to Centroid Target #1:	0.218

SERIAL NUMBER: C6348754. __0
TARGET NUMBER: 1
FILE DATE: 05/19/2005
FILE TIME: 07:53

X CENTROID: 0.106
Y CENTROID: 0.180
POA TO CENTROID: 0.209
HORZ SPREAD: 1.119
VERT SPREAD: 2.858
GROUP SPREAD: 2.858
MIN RADIUS: 0.113
MAX RADIUS: 1.730
MEAN RADIUS: 0.792
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.009	1.311
2:	0.023	1.109
3:	0.036	1.005
4:	-0.455	0.653
5:	0.179	0.266
6:	0.364	0.324
7:	0.664	-0.236
8:	0.035	-0.408
9:	0.208	-0.678
10:	0.001	-1.547

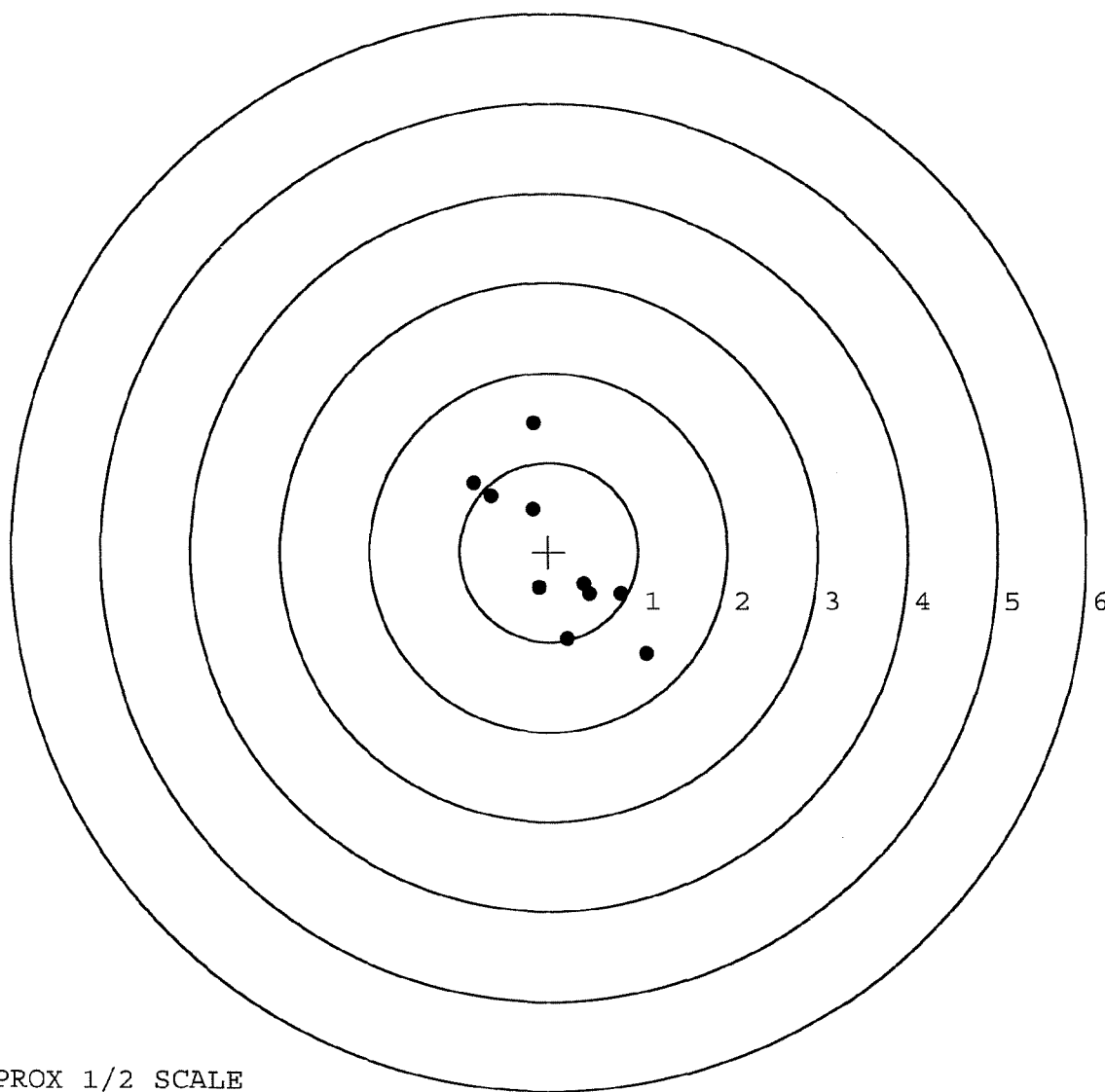


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348754. __0
TARGET NUMBER: 2
FILE DATE: 05/19/2005
FILE TIME: 07:53

POINT#	X	Y
1:	-0.175	1.441
2:	-0.841	0.766
3:	-0.649	0.620
4:	-0.181	0.479
5:	-0.109	-0.400
6:	0.394	-0.365
7:	0.456	-0.478
8:	0.810	-0.476
9:	0.211	-0.972
10:	1.093	-1.139

X CENTROID: 0.101
Y CENTROID: -0.052
POA TO CENTROID: 0.114
HORZ SPREAD: 1.934
VERT SPREAD: 2.580
GROUP SPREAD: 2.875
MIN RADIUS: 0.406
MAX RADIUS: 1.519
MEAN RADIUS: 0.899
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

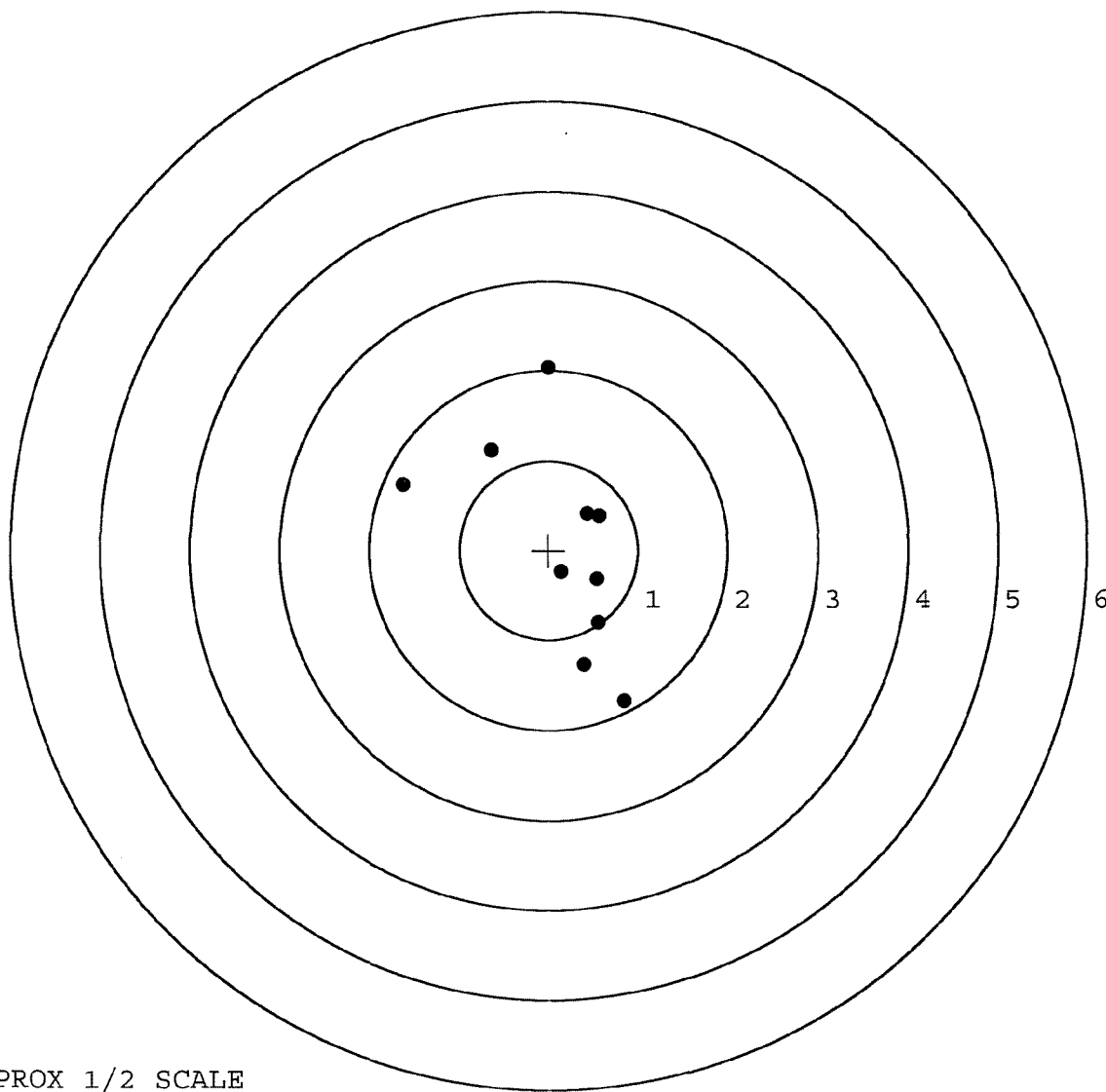


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348754. __0
TARGET NUMBER: 3
FILE DATE: 05/19/2005
FILE TIME: 07:53

X CENTROID: 0.121
Y CENTROID: 0.031
POA TO CENTROID: 0.124
HORZ SPREAD: 2.471
VERT SPREAD: 3.721
GROUP SPREAD: 3.816
MIN RADIUS: 0.273
MAX RADIUS: 2.002
MEAN RADIUS: 1.127
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-0.006	2.029
2:	-0.641	1.115
3:	-1.629	0.738
4:	0.433	0.408
5:	0.566	0.383
6:	0.146	-0.241
7:	0.545	-0.329
8:	0.555	-0.819
9:	0.395	-1.285
10:	0.842	-1.692



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348754. __0

TARGET NUMBER: 4

FILE DATE: 05/19/2005

FILE TIME: 07:53

POINT#	X	Y
1:	-0.277	1.050
2:	-0.056	1.370
3:	0.110	0.564
4:	0.559	1.273
5:	0.349	-0.078
6:	0.277	-0.165
7:	-0.129	-0.415
8:	0.259	-0.774
9:	0.569	-1.265
10:	-0.763	-0.463

X CENTROID: 0.090

Y CENTROID: 0.110

POA TO CENTROID: 0.142

HORZ SPREAD: 1.332

VERT SPREAD: 2.635

GROUP SPREAD: 2.708

MIN RADIUS: 0.320

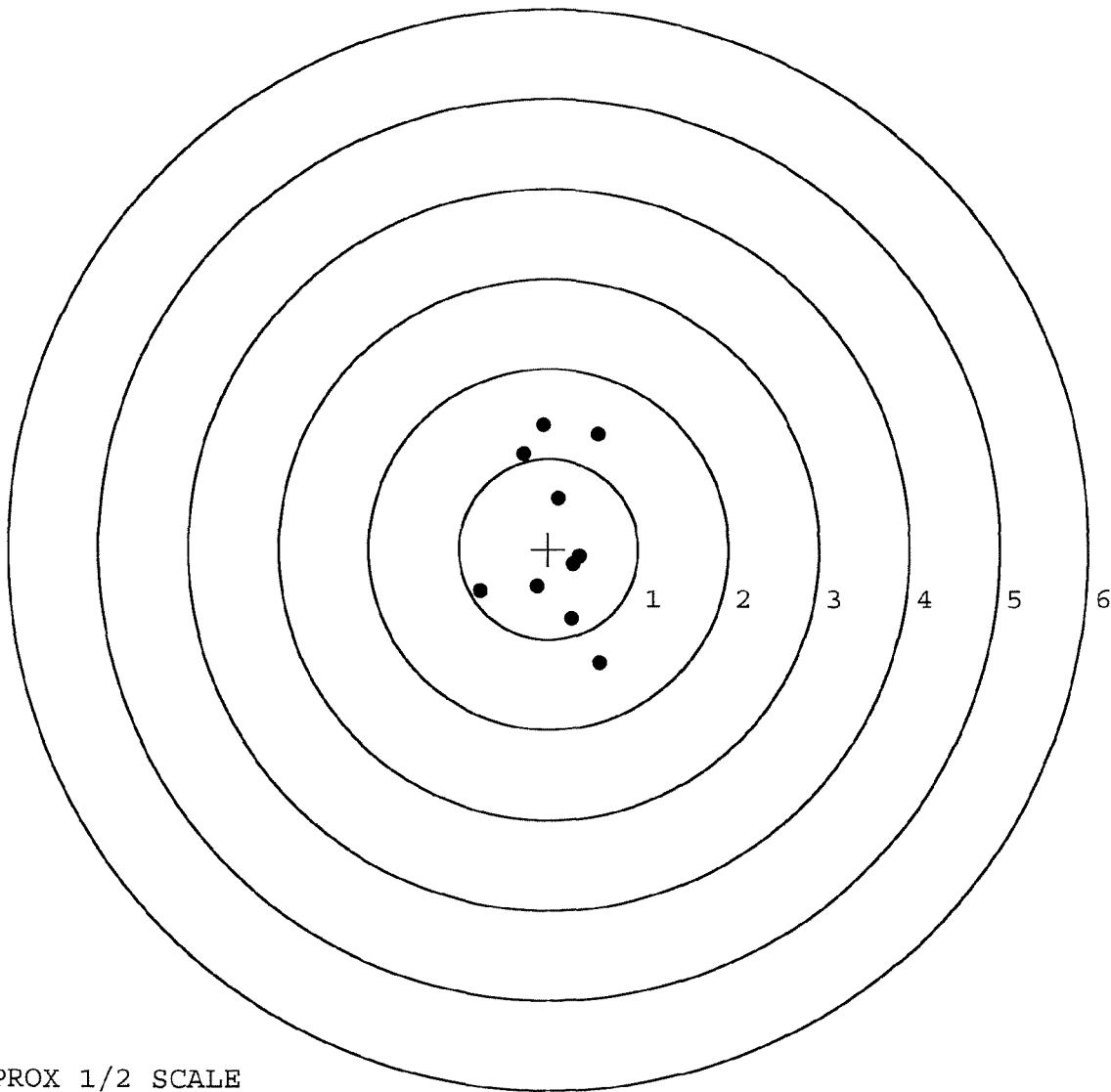
MAX RADIUS: 1.456

MEAN RADIUS: 0.859

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10

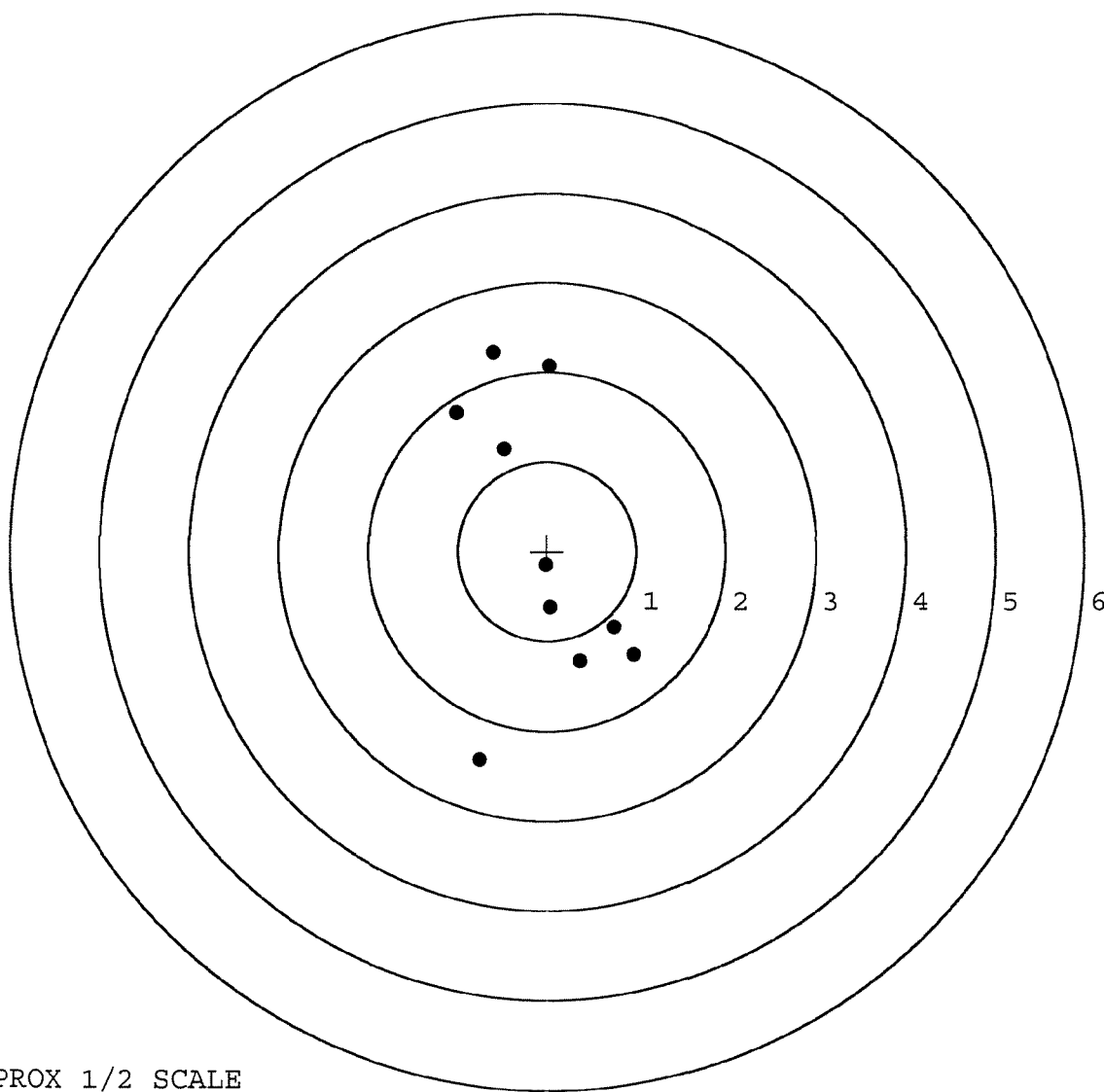


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348754. __0
TARGET NUMBER: 5
FILE DATE: 05/19/2005
FILE TIME: 07:53

POINT#	X	Y
1:	0.025	2.063
2:	-0.613	2.219
3:	-1.020	1.545
4:	-0.490	1.141
5:	0.967	-1.159
6:	-0.016	-0.159
7:	0.034	-0.633
8:	0.749	-0.852
9:	0.368	-1.231
10:	-0.766	-2.325

X CENTROID: -0.076
Y CENTROID: 0.061
POA TO CENTROID: 0.098
HORZ SPREAD: 1.987
VERT SPREAD: 4.544
GROUP SPREAD: 4.547
MIN RADIUS: 0.228
MAX RADIUS: 2.484
MEAN RADIUS: 1.476
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 2
in 3 IN DIAMETER: 5



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	72923		
SERIAL NUMBER	C6348754		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-25-05	RTZ
560 A	RE-BARREL	5-3-05	RTZ
B	DRILL AND TAP	5-5-05	TRW
575	ASSEMBLE	5-3-05	RTZ
600	PROOF	5-4-05	AC
605	CHECK HEADSPACE	5-4-05	AC
610	DIS-ASSEMBLE GUN	5-6-05	RTZ
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	5-9-05	CW
618	ROTO-BLAST	5-9-05	LB
620	APPLY COATINGS	6-16-05	WR
625 A	FINAL ASSEMBLY	5-18-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	5-27-05	AC
D	SAFETY "OFF" FORCE	5-27-05	AC
E	FIRING PIN INDENT	5-27-05	AC
640	TARGET	5-19-05	TRW
655	FINAL INSPECT	5-27-05	AC
660	PACK	7-8-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348754

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	89	Rw
600	Proof	9 26	89	Rw
607	Check Headspace	9 26	89	Rw
610	Dis-assemble Gun	9 25	8	Rw
612	Magnaflux Barrel Action	9/29/89		KCR
	Magnaflux Bolt	9/29/89		KCR
615	Rollmark Caliber	9/29/89		SL
7	Drill and Tap Sight Holes	9 29	89	LB
618	Polish Barrel RB	9 29	89	BT
620	Apply Coatings (Barrel Action)		10/1/89	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/2/89	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/2/89	Rw
	C) Inspect Ejector Hole for Chamfer		10/2/89	Rw
	D) Oil Firing Pin Ass'y		10/2/89	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		20/2/89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10/23/89	gcl
	G) Safety Off Force	3	3	4			10/23/89	gcl
	H) Trigger Pull Test & Retainability						20 Oct 89	gcl
	I) Firing Pin Indent	.022	.0215	.022			10/23/89	gcl
	J) Assemble Stock						10/24/89	Rw
	K) Assemble Swivel Studs						27 Oct 89	gcl
	L) Attach Front and Rear Sight Assemblies						12/11/89	Rw
	M) Iron Sight Alignment						12/11/89	Rw
	N) Detach Front & Rear Sights & place in numbered container						12/11/89	Rw
	O) Attach Scope to Rifle						10/24/89	gcl
	P) Detach & Attach Scope 20 Times						10/24/89	gcl
640	Gallery Target & Test						10-25-89	DH
	A) Time						10-25-89	DH
	B) Malfunctions						10-25-89	DH
	C) Pierced Primers						10-25-89	DH
	D) Optical Clarity of Scope						10-25-89	DH
645	Inspect for Live Ammo						10-25-89	DH
655	Final Inspection						27 Oct 89	gcl
	A) Headspace							
	B) Trigger Pull	2.86	2.77	2.88	2.81	2.68	27 Oct 89	WLB
	C) Function						27 Oct 89	gcl
660	Pack						18 Dec 89	gcl

SWS TRIGGER PULL TEST

RC 57

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348754

DATE 14 MAR 1970

TESTER ESS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	277	275	263	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	257	276	253	
PULL #3	259	283	239	
PULL #4	263	272	284	
PULL #5	265	280	268	
TOTAL	1321	1356		
AVG.	264.2	271.2		

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	321	324	
PULL #2	328	311	
PULL #3	335	327	
PULL #4	329	329	
PULL #5	338	325	
TOTAL	1631	1616	
AVG.	326.2	323.2	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	417	414		
PULL #2	414	412		
PULL #3	414	403		
PULL #4	420	408		
PULL #5	414	414		
TOTAL	2079	2051		
AVG.	415.8	410.2		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348754
25 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.43909
1 TO	2	.792669
1 TO	3	.551167
1 TO	4	.390848
1 TO	5	.78564

σ_{avg}^2 (----POI)

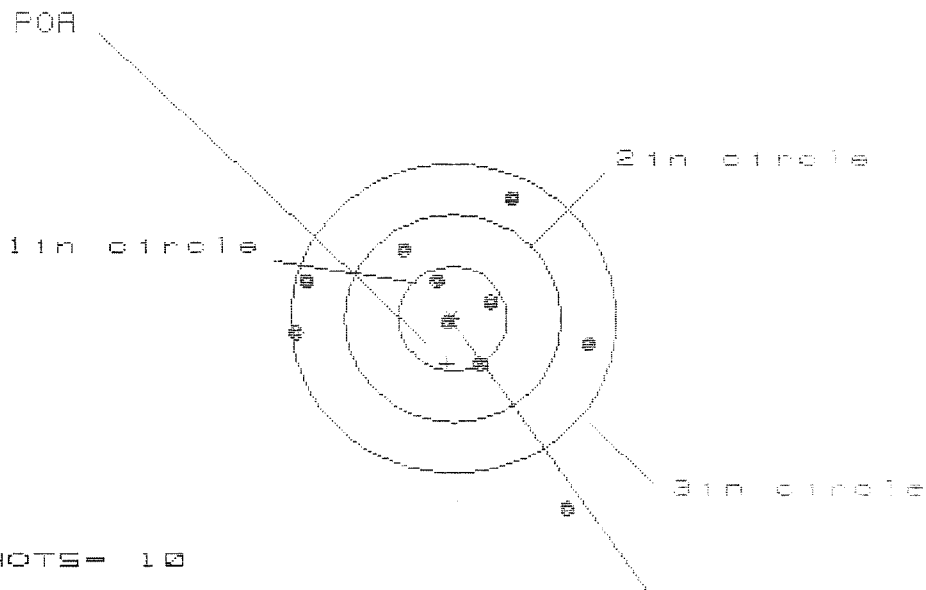
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0642
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0062
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0644987
THE AMR FOR THIS RIFLE IS: 1.006

25 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348754

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 4

2in = 5

3in = 8

HS= 2.729

VS= 2.951

GS= 3.173

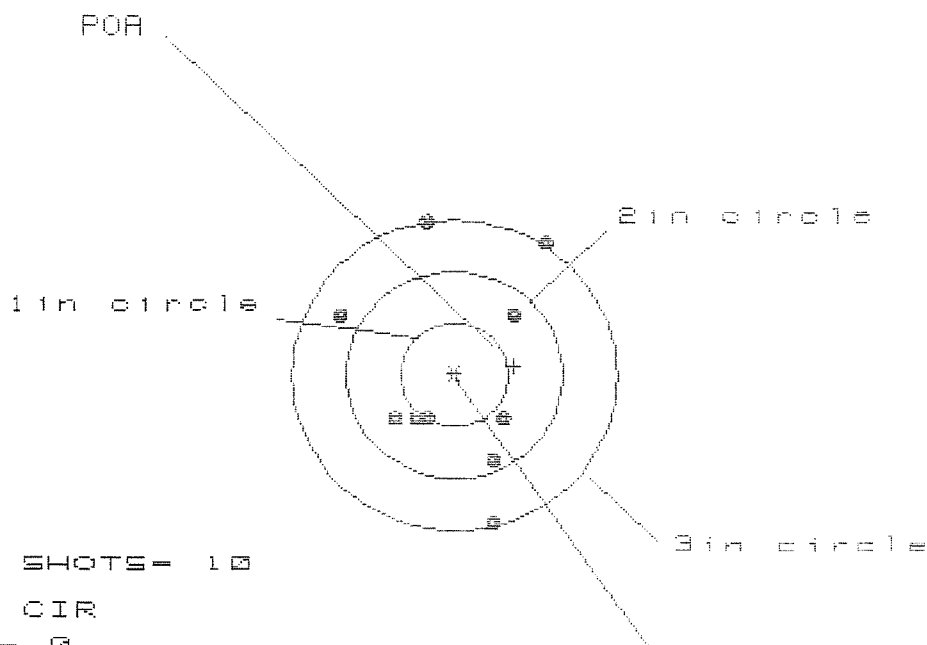
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.286	1.396	1.238
MINIMUM X	:	-1.443	-1.383	-1.409
MAXIMUM Y	:	1.137	.985	.895
MINIMUM Y	:	-1.814	-.639	-.679
CENTROID X	:	.052	-.058	.108
CENTROID Y	:	.436	.638	.678
POA TO CENTROID in.	:	.439	.641	.686
MIN RADIUS	:	.092	.187	.221
MEAN RADIUS	:	.961	.825	.742
MAX RADIUS	:	2.070	1.452	1.411
HORIZONTAL SPREAD	:	2.729	2.729	2.639
VERTICAL SPREAD	:	2.951	1.574	1.574
EXTREME SPREAD	:	3.173	2.730	2.688
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

25 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348754

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS= 1.897

VS= 2.875

GS= 2.937

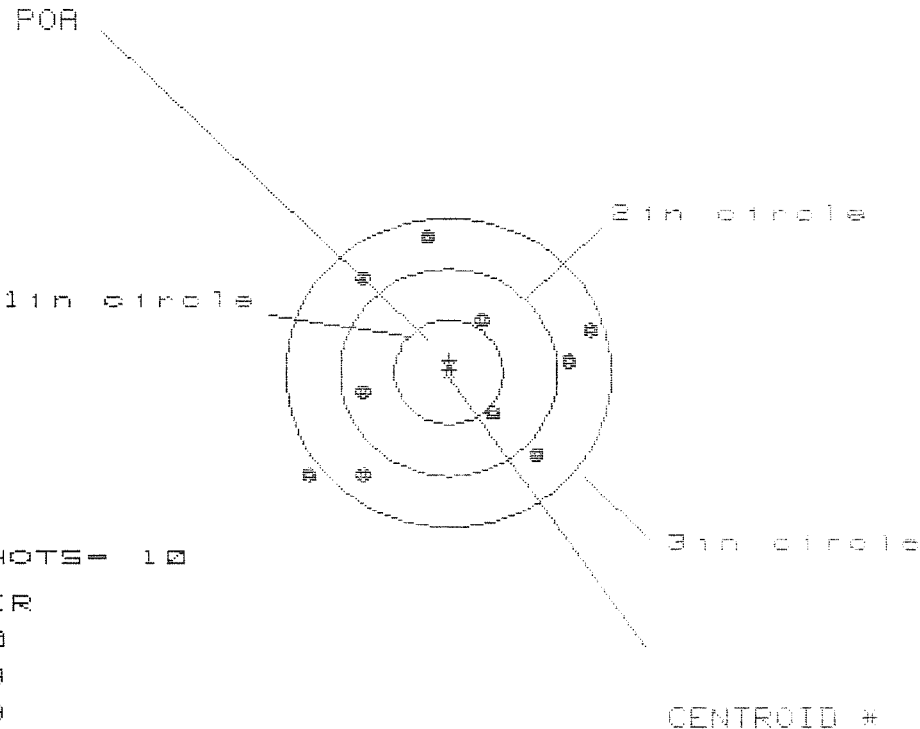
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.856	.672	.650
MINIMUM X	:	-1.041	-.946	-.968
MAXIMUM Y	:	1.472	1.610	.949
MINIMUM Y	:	-1.403	-1.265	-1.064
CENTROID X	:	-.548	-.643	-.621
CENTROID Y	:	-.082	-.228	-.421
POA TO CENTROID in.	:	.554	.680	.750
MIN RADIUS	:	.513	.346	.296
MEAN RADIUS	:	.971	.867	.720
MAX RADIUS	:	1.508	1.619	1.324
HORIZONTAL SPREAD	:	1.897	1.618	1.618
VERTICAL SPREAD	:	2.875	2.875	2.613
EXTREME SPREAD	:	2.937	2.937	2.396
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

25 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348754

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 9

HS= 2.525

VS= 2.273

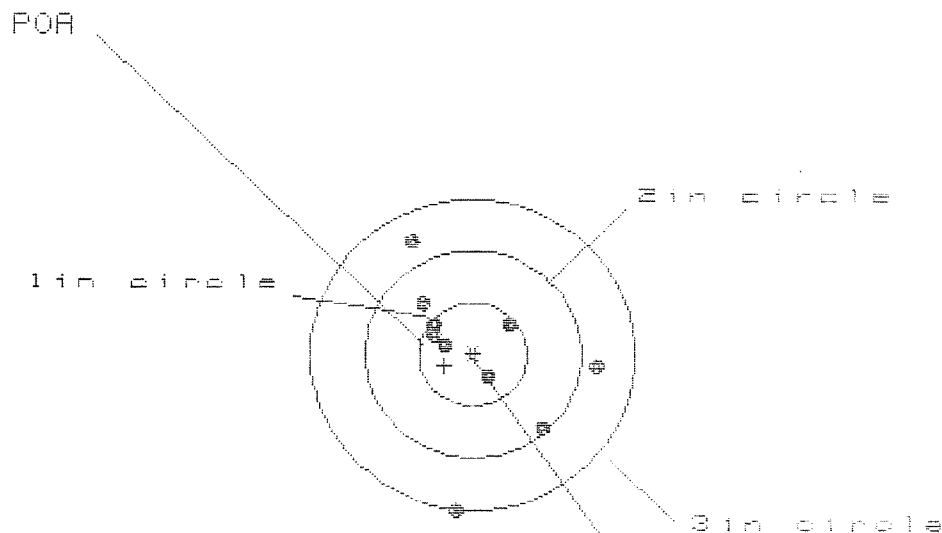
GS= 2.867

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.261	1.120	1.067
MINIMUM X	:	-1.264	-.969	-.829
MAXIMUM Y	:	1.298	1.189	1.224
MINIMUM Y	:	-.975	-1.066	-1.031
CENTROID X	:	-.007	.134	-.006
CENTROID Y	:	-.112	-.003	-.038
POA TO CENTROID in.	:	.112	.134	.038
MIN RADIUS	:	.595	.486	.586
MEAN RADIUS	:	1.097	1.019	1.006
MAX RADIUS	:	1.597	1.440	1.323
HORIZONTAL SPREAD	:	2.525	2.089	1.896
VERTICAL SPREAD	:	2.273	2.255	2.255
EXTREME SPREAD	:	2.867	2.482	2.345
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

25 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06340754

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 5

2 in = 7

3 in = 9

HS= 1.686

VS= 2.633

GS= 2.662

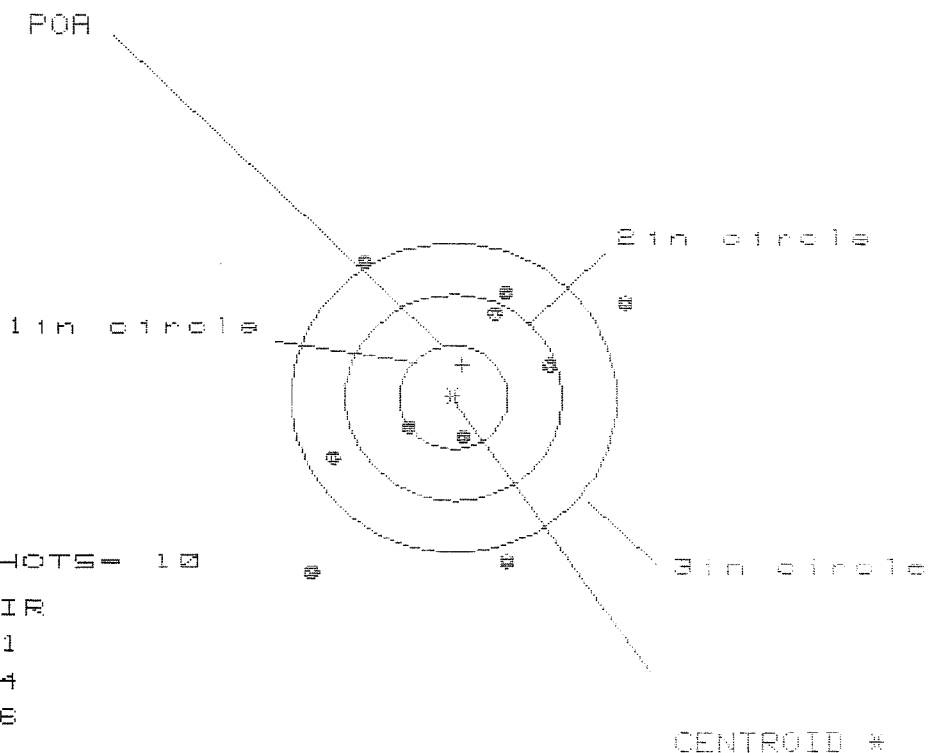
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.144	1.128	1.058
MINIMUM X	:	-.542	-.558	-.586
MAXIMUM Y	:	1.099	.928	.463
MINIMUM Y	:	-1.534	-.862	-.746
CENTROID X	:	.263	.279	.349
CENTROID Y	:	.107	.278	.162
POA TO CENTROID in.	:	.284	.394	.385
MIN RADIUS	:	.255	.308	.284
MEAN RADIUS	:	.751	.645	.597
MAX RADIUS	:	1.541	1.151	1.064
HORIZONTAL SPREAD	:	1.686	1.686	1.644
VERTICAL SPREAD	:	2.633	1.790	1.209
EXTREME SPREAD	:	2.662	2.169	1.743
NUMBER IN ONE INCH CIRCLE =			5	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

25 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348754

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 6

HS= 2.893

VS= 3.078

GS= 3.951

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.544	1.394	.940
MINIMUM X	:	-1.349	-1.307	-1.132
MAXIMUM Y	:	1.349	1.156	1.253
MINIMUM Y	:	-1.729	-1.735	-1.638
CENTROID X	:	-.081	.069	-.106
CENTROID Y	:	-.318	-.125	-.222
POA TO CENTROID in.	:	.328	.143	.246
MIN RADIUS	:	.402	.596	.501
MEAN RADIUS	:	1.251	1.129	1.063
MAX RADIUS	:	2.193	1.774	1.727
HORIZONTAL SPREAD	:	2.893	2.701	2.072
VERTICAL SPREAD	:	3.078	2.891	2.891
EXTREME SPREAD	:	3.951	3.205	3.205
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			6	

Remington®



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

MODEL 700™ H24

SERIAL NO.

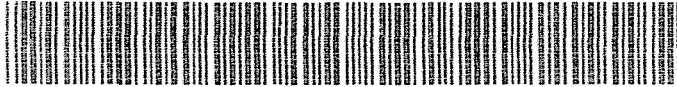
C6348754

ORDER NO.

5716

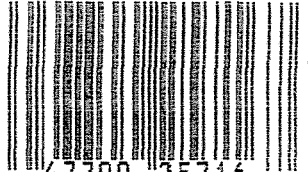
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Ø1



5716 C6348754

UPC



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