

C6348915

MODEL 700™ M24

Model **SWS**™

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: **RE00087072** Serial: C6348916 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/27/2004 9:31:18 AM

Verify Repair

Address Information

Customer: Received From Return To: Received From

Name: **ELECTRONIC MAIN SHOP GSC 10TH DIV** **ELECTRONIC MAIN SHOP GSC 10TH DIV**

Address 1: **ATTN MSG BARTRON SPC LAUBAUGH** **ATTN MSG BARTRON SPC LAUBAUGH**

Address 2: **BLDG 7426 RM 203 BAD TOELZ** **BLDG 7426 RM 203 BAD TOELZ** PO Box:

City: **FORT CARSON** **FORT CARSON**

State: **CO** Zip Code: **80913** Country: **US** State: **CO** Zip Code: **80913** Country: **US**

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1
C000	F AND R SGT BASES	1

Repair Search Refresh Close

magletj 10/27/2004 12:01 PM CAPS NUM INS SCPL

start 2 3 2

Serial Number: **C6348916**

Model: **M24 SWS**



RE00087072

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348916.___0
FILE DATE AND TIME: 11/19/2004 21:35

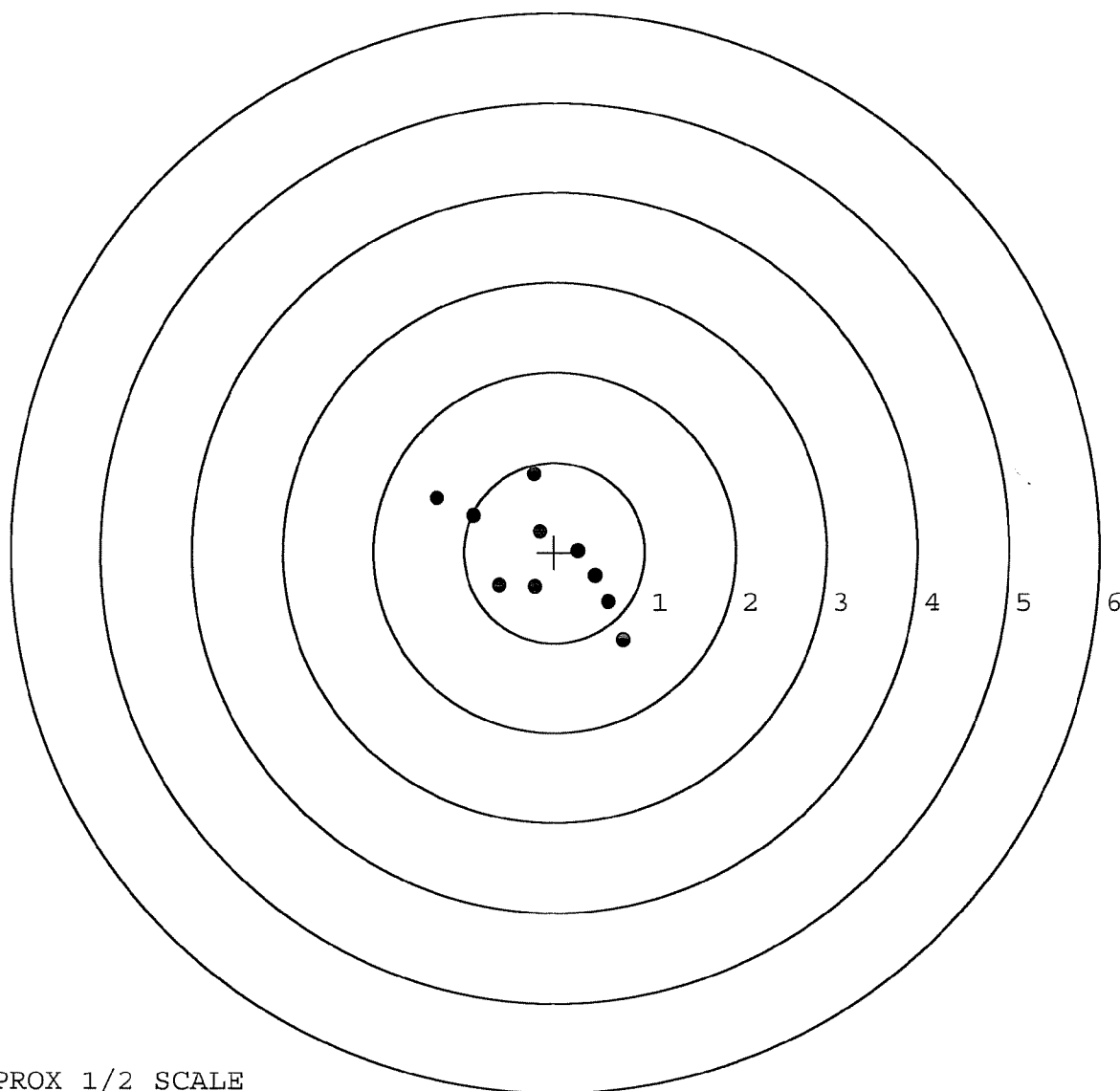
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.009
The Average Y Centroid of the Five Target Set:	0.045
The Average Point of Impact of the Five Target Set:	0.046
The Average Mean Radius of the Five Target Set:	0.839
The Distance from POA to Centroid Target #1:	0.142
The Distance from Centroid Target #2 to Centroid Target #1:	0.431
The Distance from Centroid Target #3 to Centroid Target #1:	0.192
The Distance from Centroid Target #4 to Centroid Target #1:	0.232
The Distance from Centroid Target #5 to Centroid Target #1:	0.246

SERIAL NUMBER: C6348916.___0
TARGET NUMBER: 1
FILE DATE: 11/19/2004
FILE TIME: 21:35

POINT#	X	Y
1:	0.760	-0.967
2:	0.598	-0.551
3:	0.451	-0.266
4:	0.265	0.019
5:	-0.166	0.230
6:	-0.220	-0.382
7:	-0.610	-0.372
8:	-0.898	0.404
9:	-1.304	0.597
10:	-0.233	0.873

X CENTROID: -0.136
Y CENTROID: -0.041
POA TO CENTROID: 0.142
HORZ SPREAD: 2.064
VERT SPREAD: 1.840
GROUP SPREAD: 2.590
MIN RADIUS: 0.273
MAX RADIUS: 1.331
MEAN RADIUS: 0.755
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

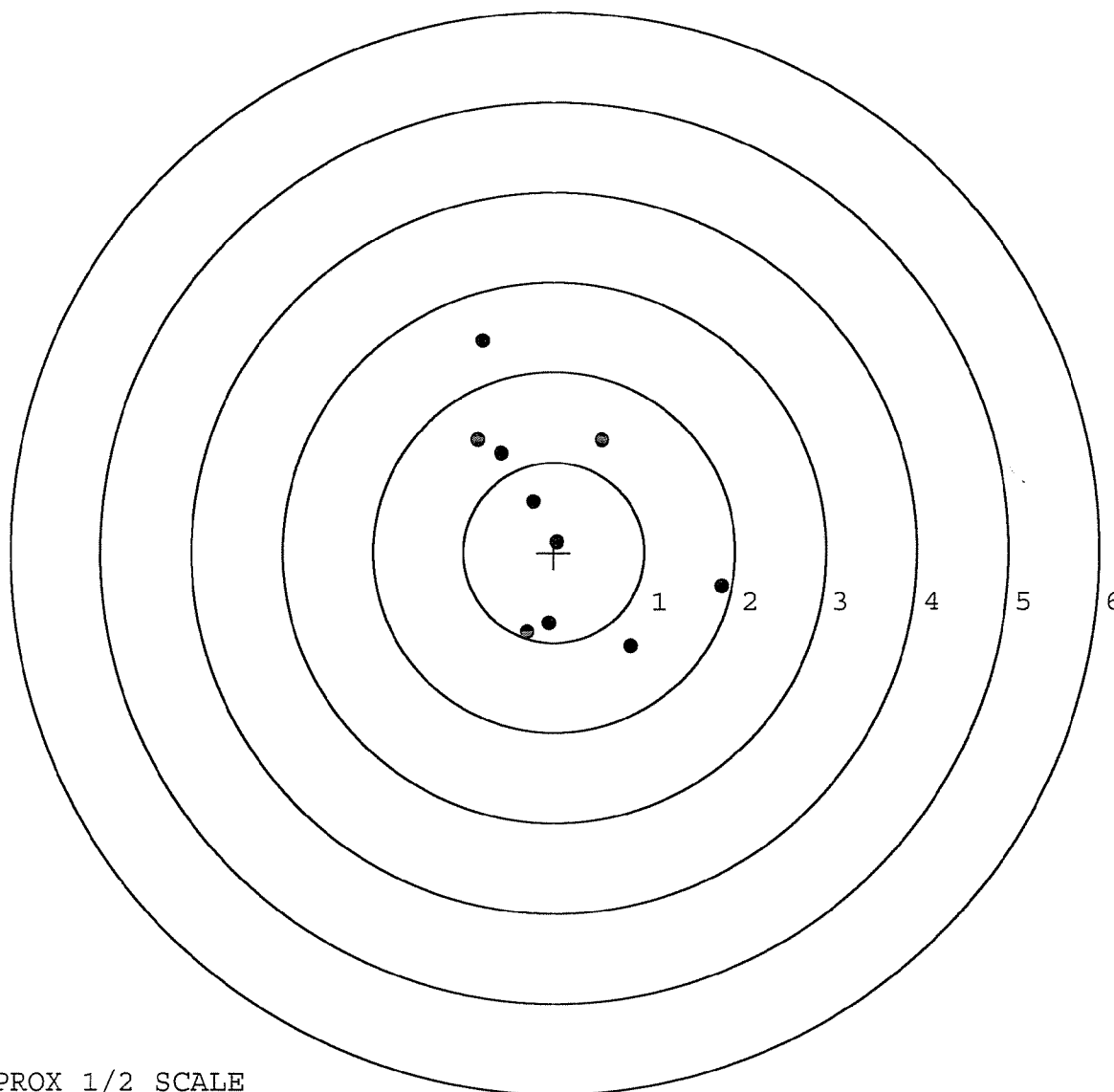


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348916. 0
TARGET NUMBER: 2
FILE DATE: 11/19/2004
FILE TIME: 21:35

POINT#	X	Y
1:	1.847	-0.385
2:	0.852	-1.041
3:	-0.059	-0.791
4:	-0.298	-0.892
5:	0.039	0.114
6:	-0.228	0.562
7:	0.527	1.246
8:	-0.586	1.096
9:	-0.845	1.243
10:	-0.792	2.340

X CENTROID: 0.046
Y CENTROID: 0.349
POA TO CENTROID: 0.352
HORZ SPREAD: 2.692
VERT SPREAD: 3.381
GROUP SPREAD: 3.793
MIN RADIUS: 0.235
MAX RADIUS: 2.160
MEAN RADIUS: 1.198
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 7

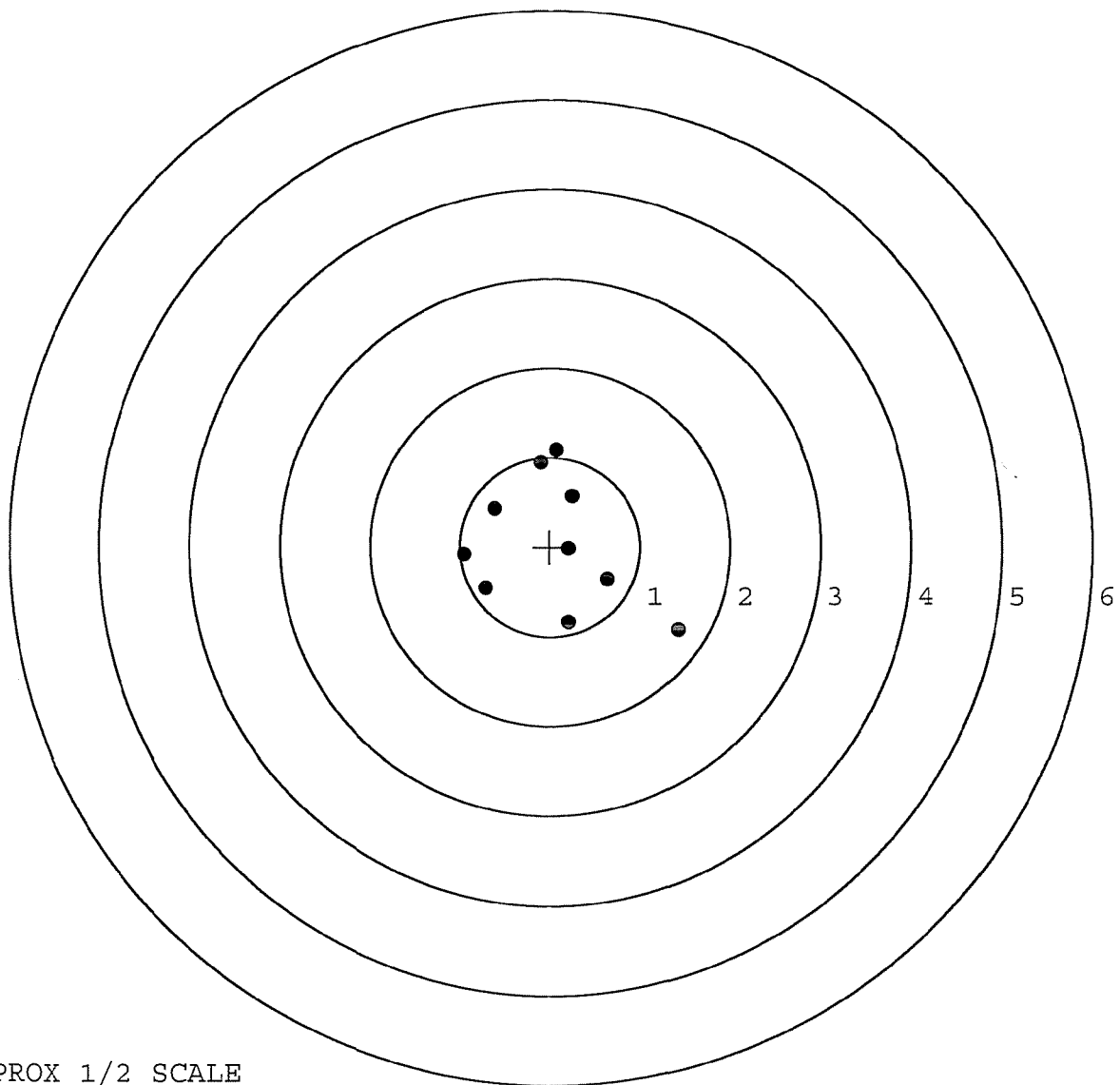


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348916.___0
TARGET NUMBER: 3
FILE DATE: 11/19/2004
FILE TIME: 21:35

POINT#	X	Y
1:	1.421	-0.923
2:	0.637	-0.362
3:	0.213	-0.841
4:	0.207	-0.023
5:	0.250	0.560
6:	0.079	1.082
7:	-0.102	0.941
8:	-0.617	0.424
9:	-0.954	-0.089
10:	-0.715	-0.465

X CENTROID: 0.042
Y CENTROID: 0.030
POA TO CENTROID: 0.052
HORZ SPREAD: 2.375
VERT SPREAD: 2.005
GROUP SPREAD: 2.517
MIN RADIUS: 0.174
MAX RADIUS: 1.677
MEAN RADIUS: 0.867
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

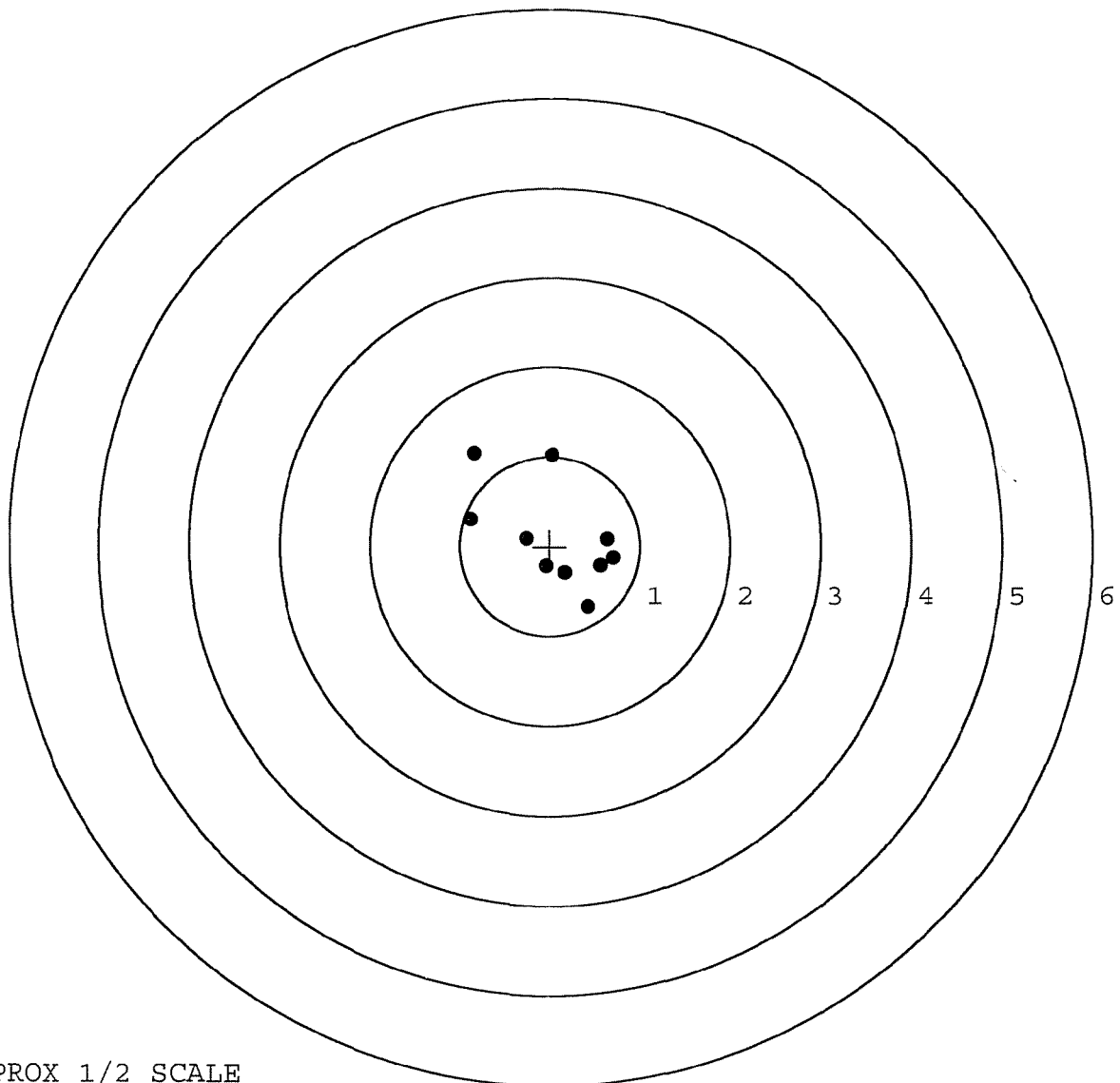


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348916. 0
TARGET NUMBER: 4
FILE DATE: 11/19/2004
FILE TIME: 21:35

POINT#	X	Y
1:	0.028	1.017
2:	-0.842	1.032
3:	-0.886	0.298
4:	-0.263	0.091
5:	0.635	0.082
6:	0.702	-0.129
7:	0.432	-0.674
8:	0.169	-0.296
9:	0.560	-0.215
10:	-0.044	-0.222

X CENTROID: 0.049
Y CENTROID: 0.098
POA TO CENTROID: 0.110
HORZ SPREAD: 1.588
VERT SPREAD: 1.706
GROUP SPREAD: 2.129
MIN RADIUS: 0.312
MAX RADIUS: 1.291
MEAN RADIUS: 0.696
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

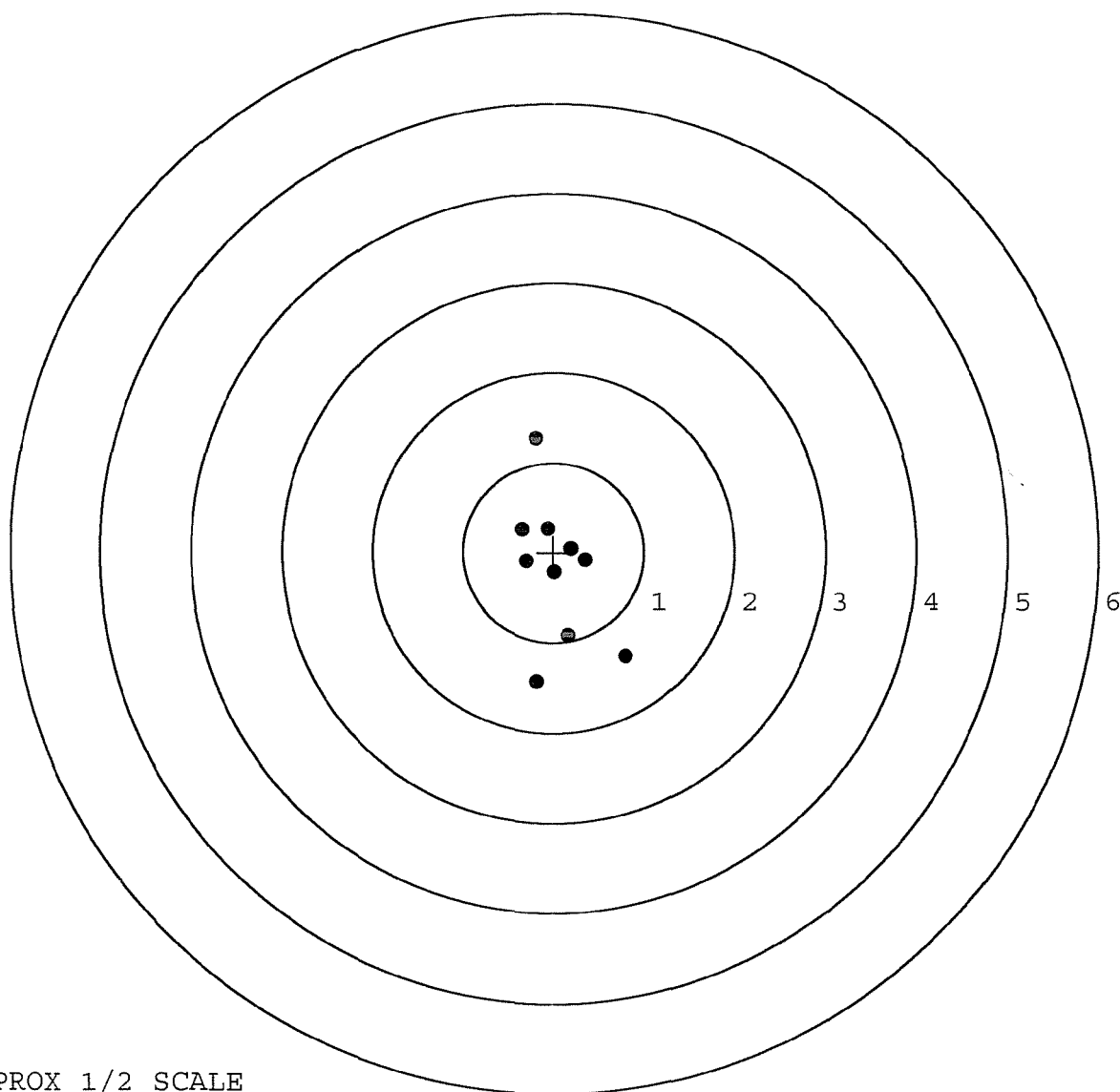


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348916. 0
TARGET NUMBER: 5
FILE DATE: 11/19/2004
FILE TIME: 21:35

POINT#	X	Y
1:	0.805	-1.160
2:	0.170	-0.929
3:	-0.184	-1.434
4:	-0.202	1.267
5:	0.347	-0.091
6:	0.195	0.046
7:	0.011	-0.224
8:	-0.302	-0.106
9:	-0.066	0.264
10:	-0.349	0.254

X CENTROID: 0.042
Y CENTROID: -0.211
POA TO CENTROID: 0.216
HORZ SPREAD: 1.154
VERT SPREAD: 2.701
GROUP SPREAD: 2.701
MIN RADIUS: 0.034
MAX RADIUS: 1.498
MEAN RADIUS: 0.680
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	87072		
SERIAL NUMBER	C6348916		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-30-04	RTL
560 A	RE-BARREL	11-2-04	RTL
B	DRILL AND TAP	11-4-04	TRL
575	ASSEMBLE	11-2-04	RTL
600	PROOF	11-3-04	RTL
605	CHECK HEADSPACE	11-3-04	RTL
610	DIS-ASSEMBLE GUN	11-4-04	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	11/5/04	LB
618	ROTO-BLAST	11-6-04	LB
620	APPLY COATINGS	11/9	HP
625 A	FINAL ASSEMBLY	11-15-04	RTL
B	TRIGGER PULL TEST		NA
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-19-04	TRL
655	FINAL INSPECT	11-20-04	RTL
660	PACK	11-20-04	NA
		SHIP DATE	
QAR INSPECTION DATE			

Remington®



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

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

MODEL 700™ H24

01

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



5716 C6348916

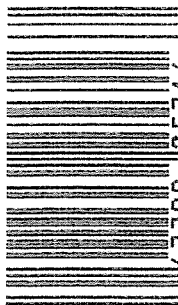
SERIAL NO.

C6348916

ORDER NO.

5716

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

Scout
03/9

GUN SERIAL #

C6348916

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14	89	RW
600	Proof	9 14	89	RW
607	Check Headspace	9	89	RW
610	Dis-assemble Gun	9	89	RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9-15-89	G.S.
7	Drill and Tap Sight Holes	9 15	89	YB
618	Polish Barrel	9 15	89	BT
620	Apply Coatings (Barrel Action)		9-25-89	THA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		30-89	928

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	5	5	10/3/89	JW		
	G) Safety Off Force	3	4	3	10/3/89	JW		
	H) Trigger Pull Test & Retainability				3 Oct 89	JW		
	I) Firing Pin Indent	.022	.022	.0215	10/3/89	JW		
	J) Assemble Stock				10/6/89	RW		
	K) Assemble Swivel Studs				9 Oct 89	JD		
	L) Attach Front and Rear Sight Assemblies				10/6/89	RW		
	M) Iron Sight Alignment				10/6/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				10/6/89	RW		
	O) Attach Scope to Rifle				10/6/89	JW		
	P) Detach & Attach Scope 20 Times				10/6/89	JW		
640	Gallery Target & Test				10-6-89	DH		
	A) Time				10-6-89	DH		
	B) Malfunctions				10-6-89	DH		
	C) Pierced Primers				10-6-89	DH		
	D) Optical Clarity of Scope				10-6-89	DH		
645	Inspect for Live Ammo				10-6-89	DH		
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	267	275	260	277	284	9 Oct 89	JW
	C) Function						9 Oct 89	JW
660	Pack						14 Dec 89	JW

Malfunction: SHAVES BRASS - DOESN'T EXTRACT

CORRECTIVE ACTION: POLISH EJECTOR & REAM
EJECTOR HOLE - NEW EXTRACTOR

100 RD TEST OK

A.C.

10/23/89

Shave Brass

Don't extract

10/9/89 New Extractor

Polish Ejector + Ram Ejector
Hole

DW

100 tds

10/23/89

OK

A.C.

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 89116

DATE 3-26-90

TESTER Q21

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.31	2.42	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.36	2.34	
PULL #3	2.52	2.43	2.51	
PULL #4	2.45	2.43	2.45	
PULL #5	2.33	2.40	2.39	
TOTAL	11.91	12.04	12.15	
AVG.	2.382	2.408	2.43	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.50	3.43	
PULL #2	3.66	3.60	
PULL #3	3.56	3.57	
PULL #4	3.60	3.55	
PULL #5	3.61	3.58	
TOTAL	17.93	17.73	
AVG.	3.586	3.546	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.35		
PULL #2	4.24	4.36		
PULL #3	4.38	4.28		
PULL #4	4.39	4.34		
PULL #5	4.40	4.36		
TOTAL	21.66	21.69		
AVG.	4.332	4.338		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348916
6 Oct 1989

CENTROIDAL DISTANCES

Ø TO	1	.493855
1 TO	2	.175525
1 TO	3	.47207
1 TO	4	.396203
1 TO	5	.22707

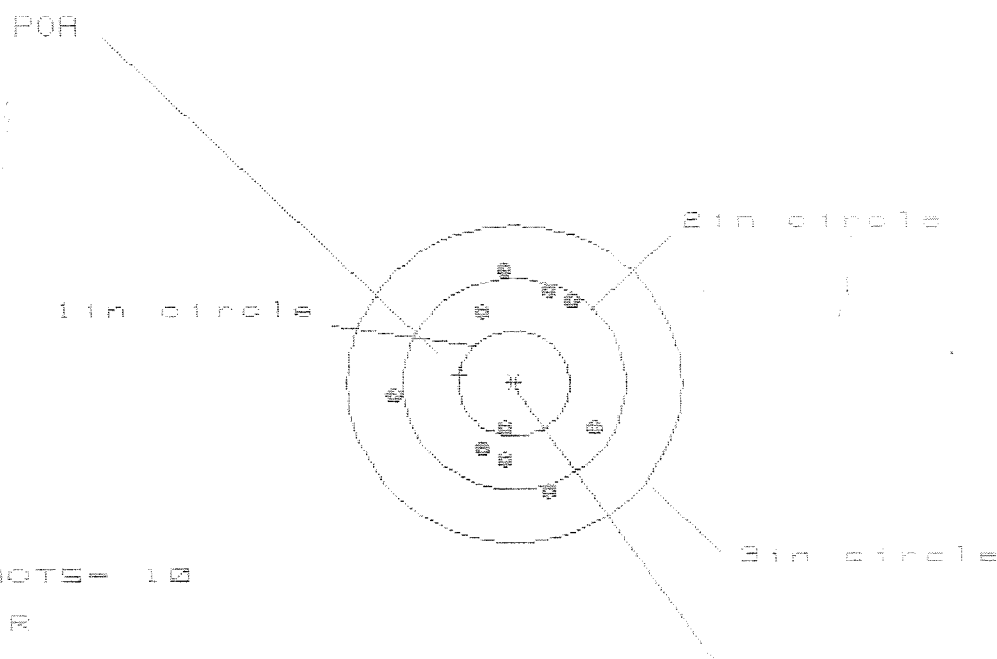
321 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .263
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0098
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .263183
THE AMR FOR THIS RIFLE IS: 1.004

8 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0634B316

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.765

VS= 2.029

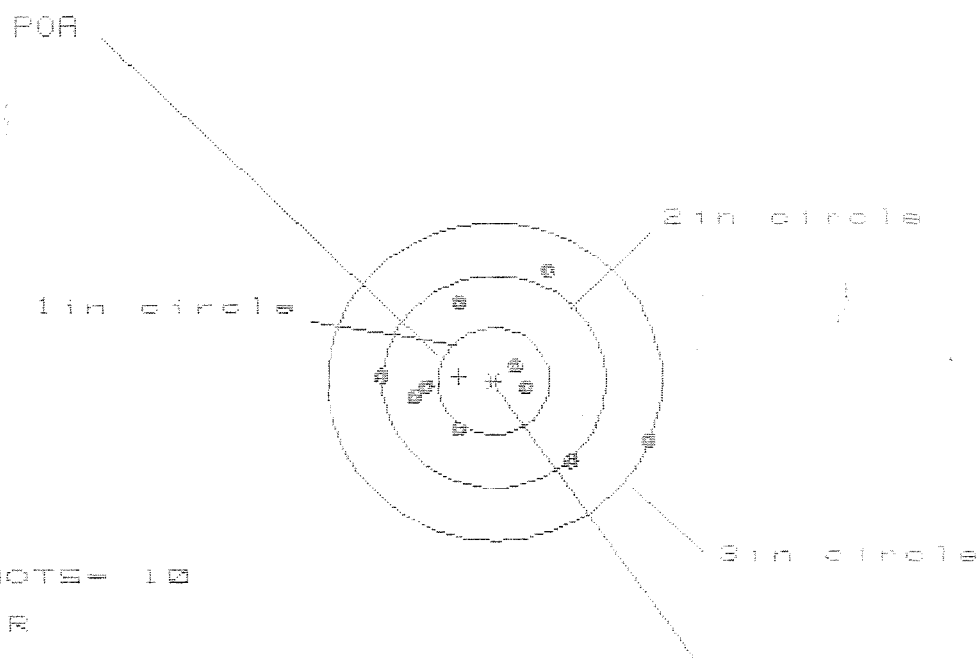
GS= 2.074

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.726	.718	.587
MINIMUM X	:	-1.039	-1.047	-.469
MAXIMUM Y	:	1.060	1.013	1.012
MINIMUM Y	:	-.969	-.851	-.852
CENTROID X	:	.487	.495	.626
CENTROID Y	:	-.082	-.200	-.199
POA TO CENTROID in.	:	.494	.534	.657
MIN RADIUS	:	.465	.350	.398
MEAN RADIUS	:	.850	.805	.772
MAX RADIUS	:	1.063	1.051	1.023
HORIZONTAL SPREAD	:	1.765	1.765	1.056
VERTICAL SPREAD	:	2.029	1.864	1.864
EXTREME SPREAD	:	2.074	1.865	1.865
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B916

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.454

VS= 1.871

GS= 2.516

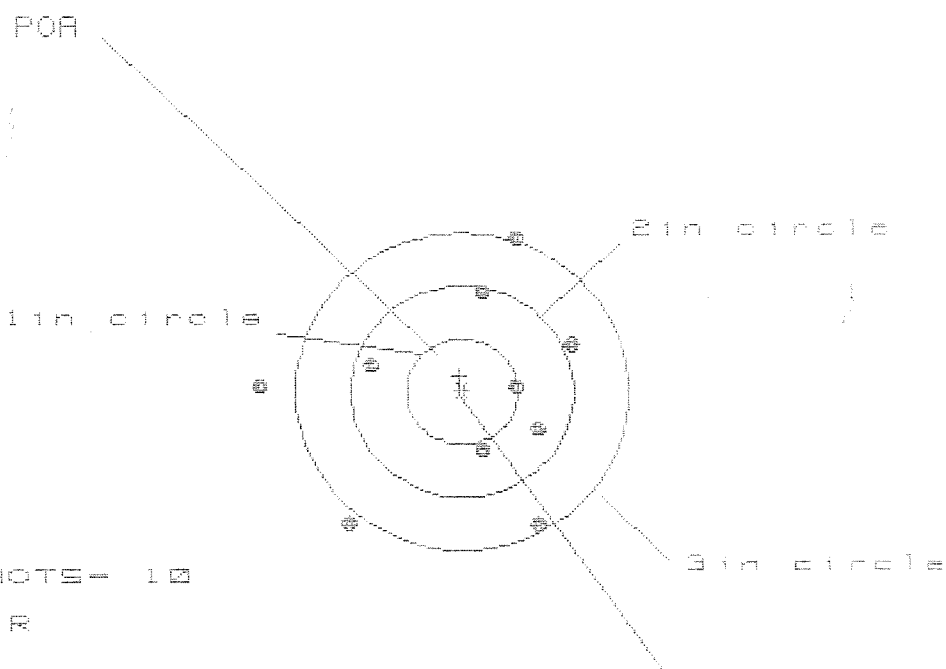
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.421	.845	.919
MINIMUM X	:	-1.033	-.875	-.801
MAXIMUM Y	:	1.089	1.030	.838
MINIMUM Y	:	-.782	-.841	-.713
CENTROID X	:	.315	.157	.083
CENTROID Y	:	-.047	.012	-.116
POA TO CENTROID in.	:	.319	.158	.143
MIN RADIUS	:	.267	.375	.406
MEAN RADIUS	:	.818	.726	.651
MAX RADIUS	:	1.518	1.192	1.103
HORIZONTAL SPREAD	:	2.454	1.720	1.720
VERTICAL SPREAD	:	1.871	1.871	1.551
EXTREME SPREAD	:	2.516	1.899	1.899
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B916

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 2.850

VS= 2.718

GS= 3.121

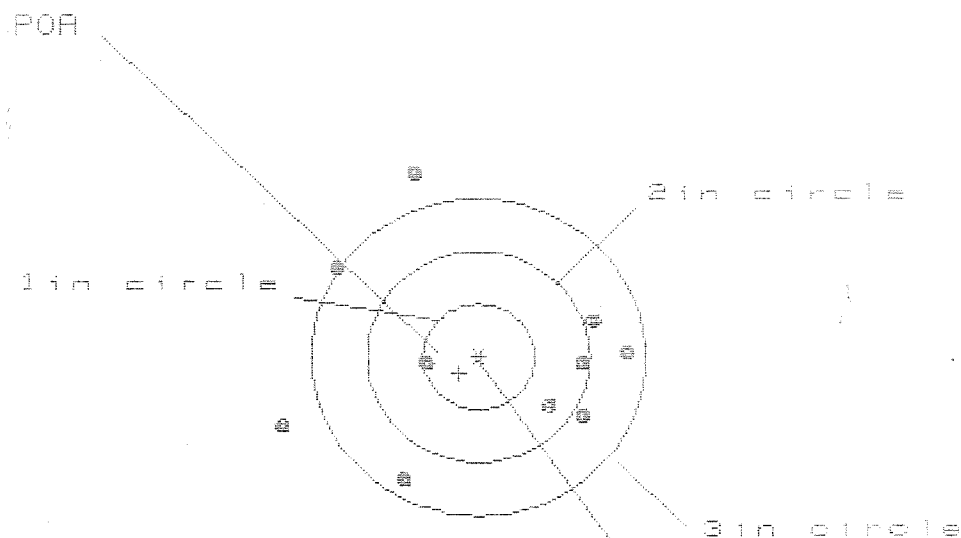
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.989	.782	.622
MINIMUM X	:	-1.861	-1.276	-1.149
MAXIMUM Y	:	1.469	1.475	1.320
MINIMUM Y	:	-1.249	-1.243	-1.364
CENTROID X	:	.020	.227	.387
CENTROID Y	:	-.151	-.157	-.002
POA TO CENTROID in.	:	.153	.276	.387
MIN RADIUS	:	.464	.258	.153
MEAN RADIUS	:	1.121	.992	.864
MAX RADIUS	:	1.862	1.781	1.408
HORIZONTAL SPREAD	:	2.850	2.058	1.771
VERTICAL SPREAD	:	2.718	2.718	2.684
EXTREME SPREAD	:	3.121	3.121	2.696
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

6 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B918

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS= 3.028

VS= 2.828

GS= 3.115

CENTROID #

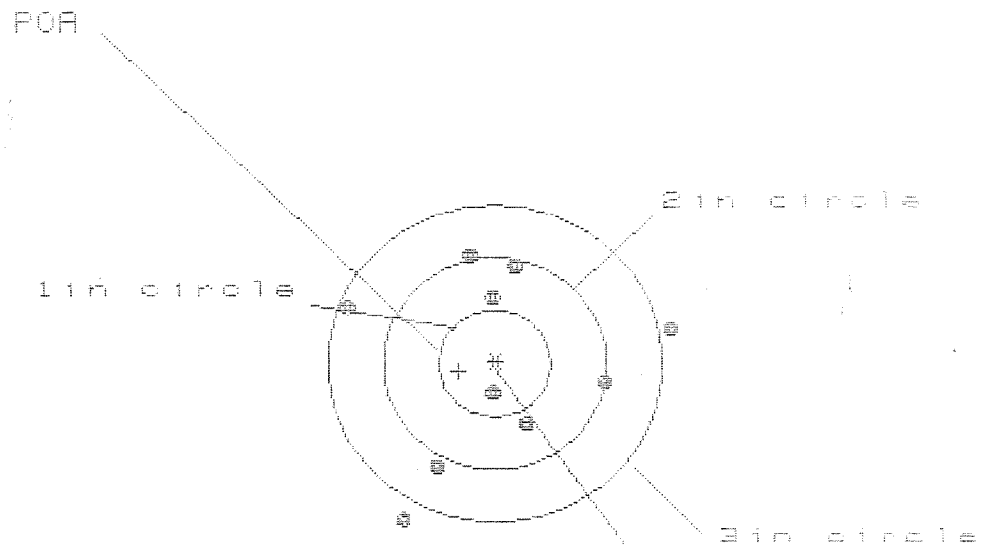
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.302	1.111	1.012
MINIMUM X	:	-1.724	-1.455	-1.554
MAXIMUM Y	:	1.704	1.630	.924
MINIMUM Y	:	-1.124	-1.198	-.995
CENTROID X	:	.171	.363	.462
CENTROID Y	:	.157	.231	.028
POA TO CENTROID in.	:	.232	.430	.453
MIN RADIUS	:	.469	.661	.440
MEAN RADIUS	:	1.205	1.104	.962
MAX RADIUS	:	1.850	1.811	1.800
HORIZONTAL SPREAD	:	3.028	2.566	2.565
VERTICAL SPREAD	:	2.828	2.828	1.919
EXTREME SPREAD	:	3.115	2.830	2.667
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B316

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.883

VS= 2.473

GS= 2.841

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.533	1.443	1.116
MINIMUM X	-1.290	-1.380	-1.200
MAXIMUM Y	1.046	.887	.911
MINIMUM Y	-1.427	-1.147	-1.123
CENTROID X	.322	.412	.232
CENTROID Y	.074	.233	.209
POA TO CENTROID in.	.331	.474	.312
MIN RADIUS	.245	.422	.379
MEAN RADIUS	1.024	.946	.874
MAX RADIUS	1.642	1.455	1.252
HORIZONTAL SPREAD	2.823	2.823	2.315
VERTICAL SPREAD	2.473	2.034	2.034
EXTREME SPREAD	2.941	2.827	2.412
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		