

C6348907

MODEL 700™ M24

Model **S&S**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.

Repair Inquiry

Repair Number: **RE00071757** Serial: C6348907 Model 700 Center Fire Caliber: 7
 Verify Repair 62 NATO M24 SWS Repairman: Status: Closed 10/21/2003 11:50:31 AM

Address Information

Customer: Received From Return To: Received From

Name: MATERIAL MOVEMENT SECTION MATERIAL MOVEMENT SECTION

Address 1: BLDG 9630 BLDG 9630

Address 2: PRESCOTT AVE PO Box: PRESCOTT AVE PO Box:

City: FORT LEWIS FORT LEWIS

State: WA Zip Code: 98433 Country: US State: WA Zip Code: 98433 Country: US

FFL:

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing												
Contact Information Phone: Fax: Email: Comments:	Received Condition Fair Condition Notes: CSR Notes:	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Studs</td> <td>3</td> </tr> <tr> <td>A016</td> <td>Scope Mounts</td> <td>2</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> </tbody> </table>	Code	Desc	Qty	A007	With Studs	3	A016	Scope Mounts	2	A017	Scope Base	1		
Code	Desc	Qty														
A007	With Studs	3														
A016	Scope Mounts	2														
A017	Scope Base	1														

Repair Search Refresh Close

Serial Number: **C6348907**

Model: **700**



RE00071757

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348907.___0
FILE DATE AND TIME: 11/12/2003 11:31

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.209
The Average Y Centroid of the Five Target Set:	-0.028
The Average Point of Impact of the Five Target Set:	0.211
The Average Mean Radius of the Five Target Set:	0.705
The Distance from POA to Centroid Target #1:	1.153
The Distance from Centroid Target #2 to Centroid Target #1:	1.332
The Distance from Centroid Target #3 to Centroid Target #1:	1.275
The Distance from Centroid Target #4 to Centroid Target #1:	1.028
The Distance from Centroid Target #5 to Centroid Target #1:	1.141

SERIAL NUMBER: C6348907. __0

TARGET NUMBER: 1

FILE DATE: 11/12/2003

FILE TIME: 11:31

X CENTROID: 1.076

Y CENTROID: -0.415

POA TO CENTROID: 1.153

HORZ SPREAD: 3.430

VERT SPREAD: 3.154

GROUP SPREAD: 4.145

MIN RADIUS: 0.358

MAX RADIUS: 2.823

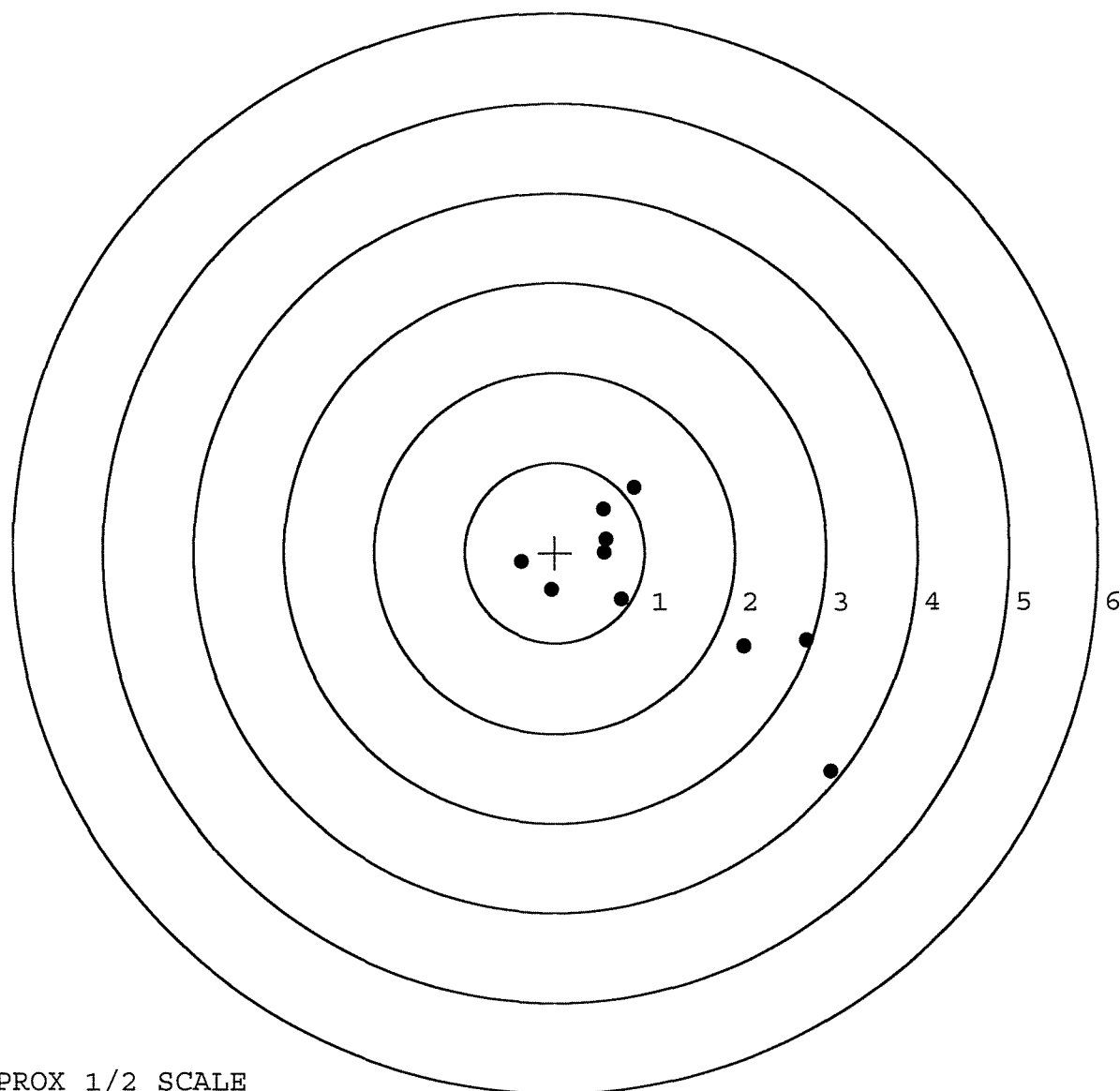
MEAN RADIUS: 1.241

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.874	0.724
2:	0.539	0.486
3:	-0.378	-0.103
4:	-0.045	-0.419
5:	0.547	-0.001
6:	0.734	-0.521
7:	2.775	-0.986
8:	2.091	-1.046
9:	3.052	-2.430
10:	0.569	0.150



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348907. __0

TARGET NUMBER: 2

FILE DATE: 11/12/2003

FILE TIME: 11:31

X CENTROID: -0.204

Y CENTROID: -0.044

POA TO CENTROID: 0.209

HORZ SPREAD: 1.448

VERT SPREAD: 1.471

GROUP SPREAD: 1.740

MIN RADIUS: 0.355

MAX RADIUS: 1.109

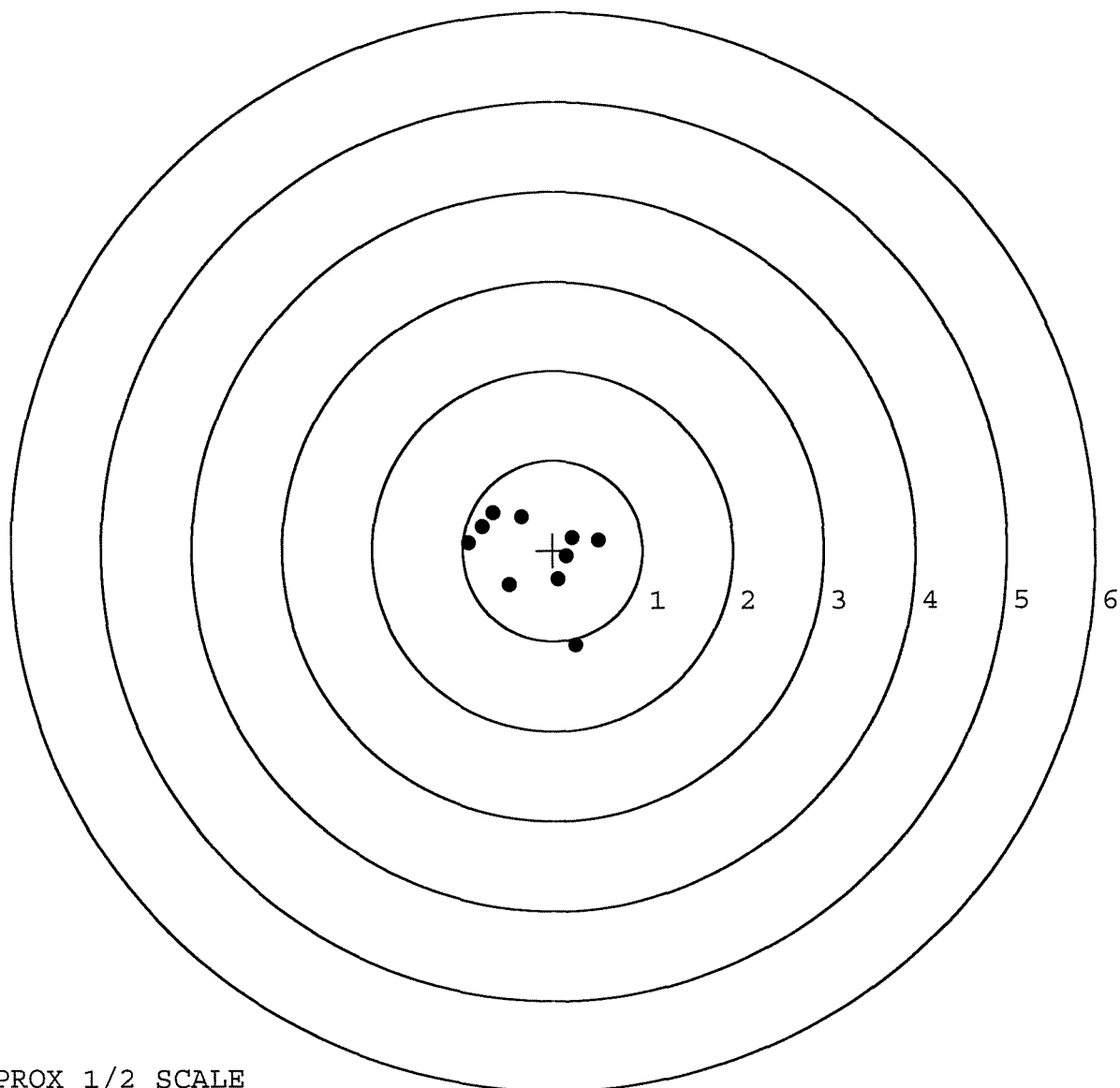
MEAN RADIUS: 0.598

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.356	0.368
2:	-0.671	0.419
3:	-0.783	0.262
4:	-0.935	0.081
5:	-0.488	-0.385
6:	0.259	-1.052
7:	0.055	-0.326
8:	0.513	0.118
9:	0.216	0.145
10:	0.150	-0.071



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348907. __0

TARGET NUMBER: 3

FILE DATE: 11/12/2003

FILE TIME: 11:31

X CENTROID: -0.093

Y CENTROID: 0.096

POA TO CENTROID: 0.134

HORZ SPREAD: 1.710

VERT SPREAD: 1.685

GROUP SPREAD: 2.193

MIN RADIUS: 0.318

MAX RADIUS: 1.164

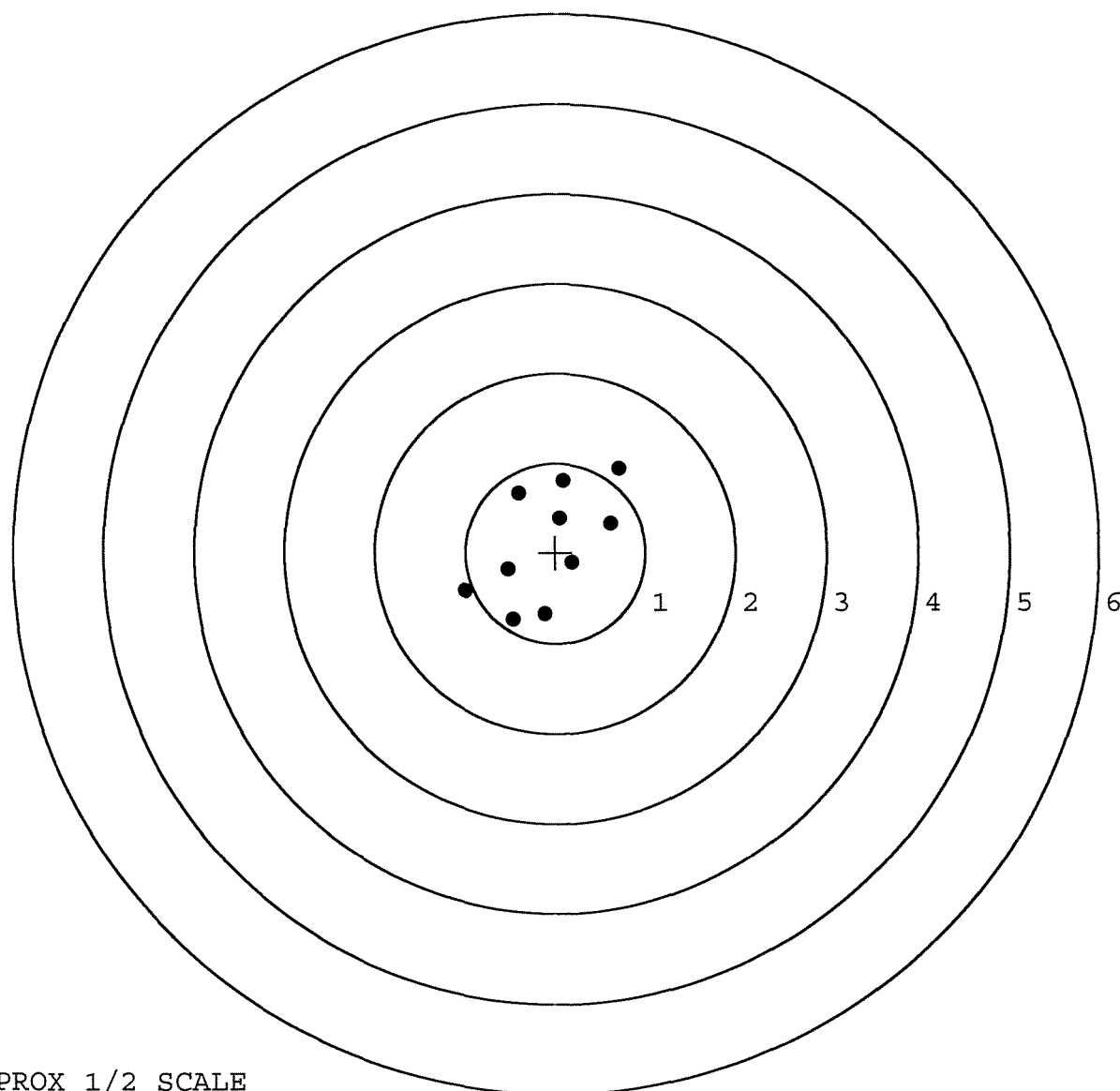
MEAN RADIUS: 0.723

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.418	0.661
2:	0.086	0.805
3:	0.706	0.944
4:	0.045	0.383
5:	0.608	0.328
6:	0.185	-0.115
7:	-0.533	-0.188
8:	-1.004	-0.429
9:	-0.479	-0.741
10:	-0.122	-0.683

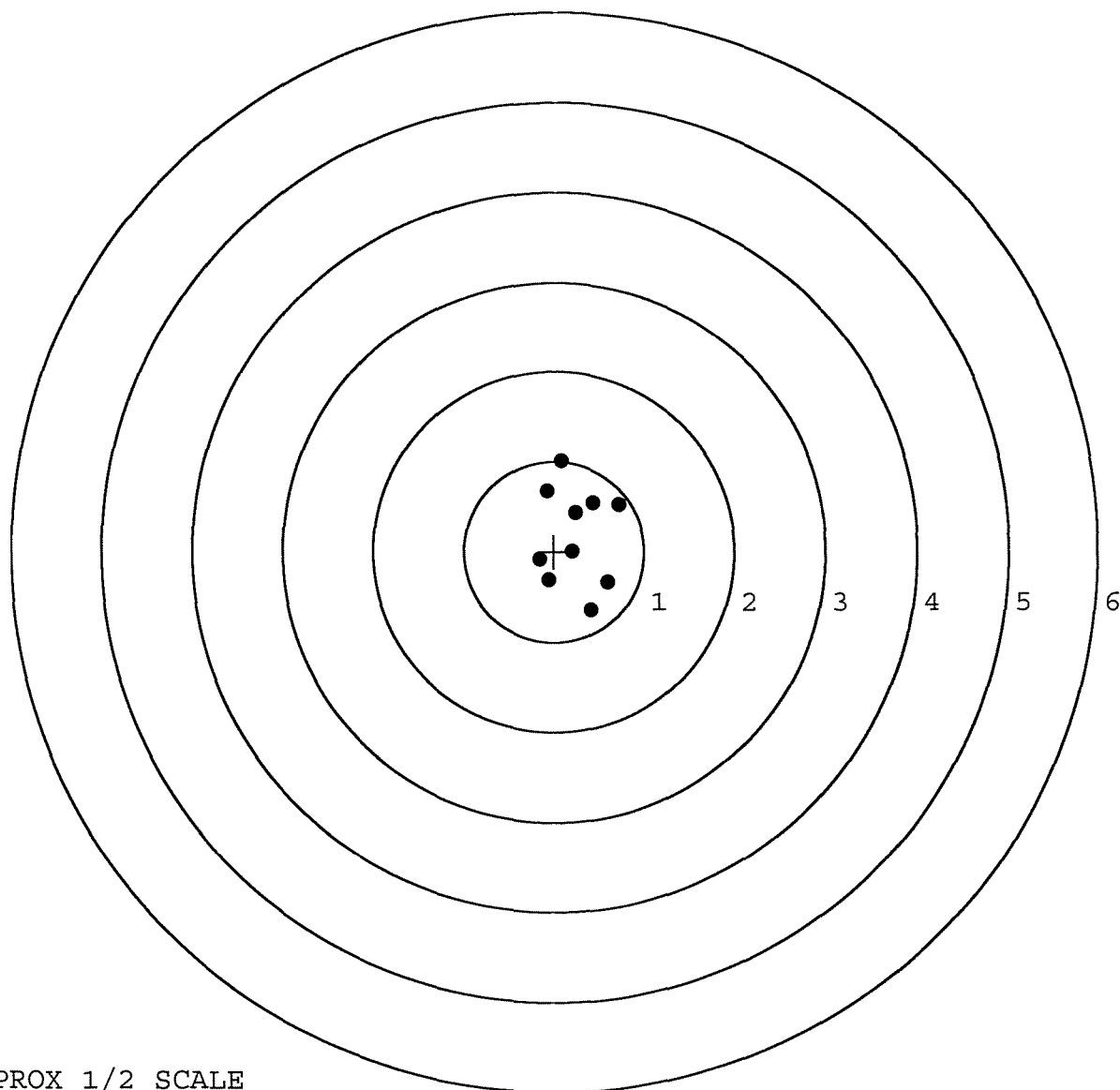


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348907. __0
 TARGET NUMBER: 4
 FILE DATE: 11/12/2003
 FILE TIME: 11:31

POINT#	X	Y
1:	0.082	1.006
2:	-0.084	0.671
3:	0.718	0.526
4:	0.427	0.546
5:	0.234	0.429
6:	0.203	-0.004
7:	-0.166	-0.090
8:	-0.064	-0.318
9:	0.597	-0.334
10:	0.414	-0.643

X CENTROID: 0.236
 Y CENTROID: 0.179
 POA TO CENTROID: 0.296
 HORZ SPREAD: 0.884
 VERT SPREAD: 1.649
 GROUP SPREAD: 1.682
 MIN RADIUS: 0.186
 MAX RADIUS: 0.841
 MEAN RADIUS: 0.540
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

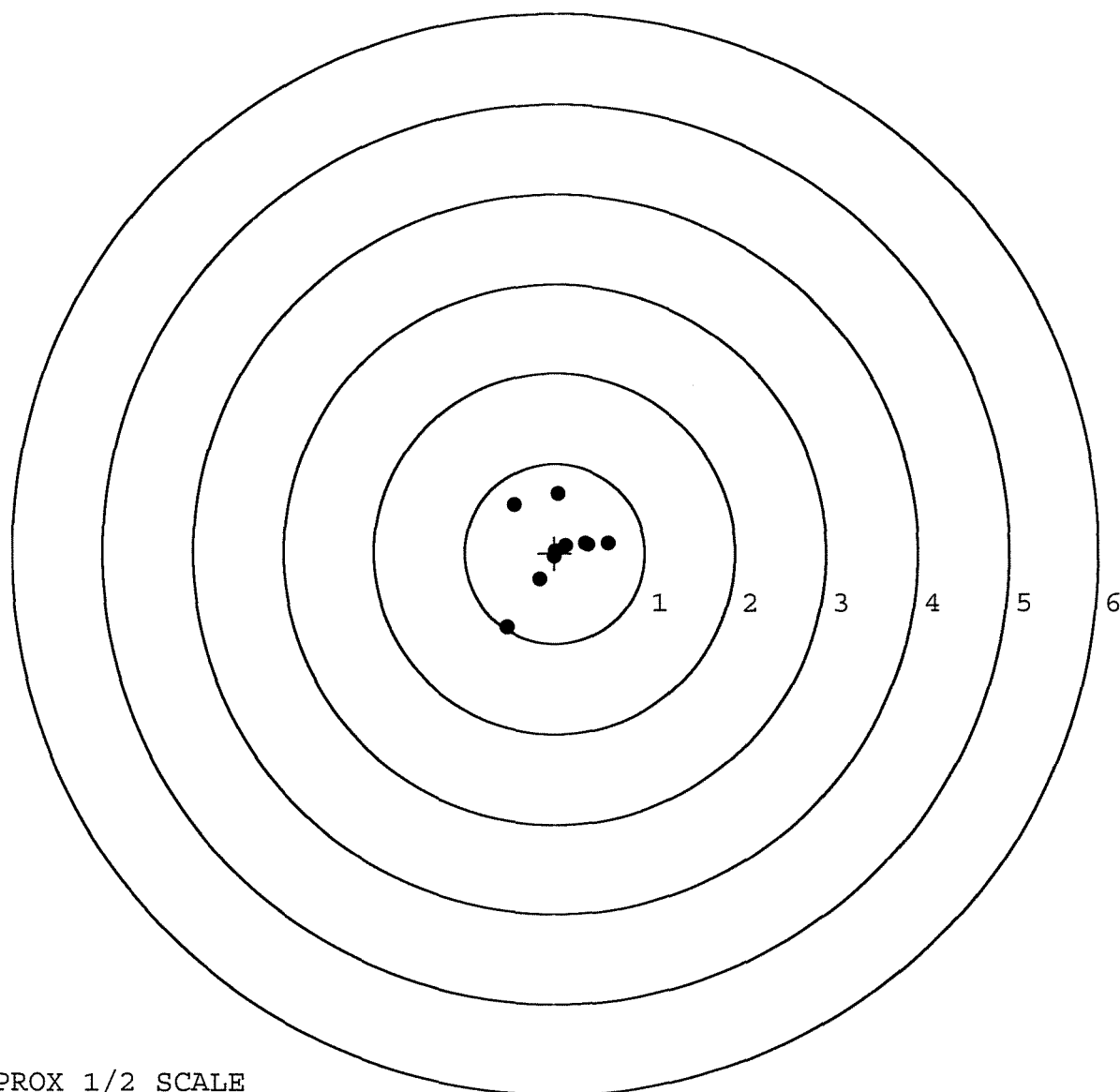


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348907. __0
 TARGET NUMBER: 5
 FILE DATE: 11/12/2003
 FILE TIME: 11:31

POINT#	X	Y
1:	-0.458	0.538
2:	0.038	0.665
3:	-0.528	-0.828
4:	-0.168	-0.297
5:	-0.013	-0.045
6:	0.126	0.080
7:	0.369	0.096
8:	0.594	0.116
9:	0.343	0.108
10:	0.012	0.023

X CENTROID: 0.031
 Y CENTROID: 0.046
 POA TO CENTROID: 0.055
 HORZ SPREAD: 1.122
 VERT SPREAD: 1.493
 GROUP SPREAD: 1.597
 MIN RADIUS: 0.030
 MAX RADIUS: 1.037
 MEAN RADIUS: 0.420
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	21757		
SERIAL NUMBER	C62348907		
LOG-IN DATE	10-21-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-27-03	RTL
560 A	RE-BARREL	10-29-03	RTL
B	DRILL AND TAP	11-4-03	TRW
575	ASSEMBLE	11-3-03	RTL
600	PROOF	11-3-03	A
605	CHECK HEADSPACE	11-3-03	A
610	DIS-ASSEMBLE GUN	11-3-03	RTL
612	MAGNAFLUX	PR	
615	ROLLMARK CALIBER	11-5-03	AB
618	ROTO-BLAST		
620	APPLY COATINGS	11-8	TA
625 A	FINAL ASSEMBLY	11-10-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-12-03	A
655	FINAL INSPECT	12-12-03	RT
660	PACK	12/12/03	DA
		SHIP DATE	
QAR INSPECTION DATE			

7.

APPLICABLE REFERENCE

TM NUMBER	TM DATE	TM NUMBER	TM DATE
COLUMN a - Enter TM item number.		COLUMN d - Show corrective action for deficiency or shortcoming listed in Column c.	
COLUMN b - Enter the applicable condition status symbol.		COLUMN e - Individual ascertaining completed corrective action, initial in this column.	
COLUMN c - Enter deficiencies and shortcomings.			

STATUS SYMBOLS

"X"—Indicates a deficiency in the equipment that places it in an inoperable status.

CIRCLED "X"—Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished.

HORIZONTAL DASH "—" Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.

DIAGONAL "(/)"—Indicates a materiel defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.

LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL—Indicates that a completely satisfactory condition exists.

FOR AIRCRAFT—Status symbols will be recorded in red.

ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.

8a. SIGNATURE (Person(s) performing inspection)	8b. TIME	9a. SIGNATURE (Maintenance Supervisor)	9b. TIME	10. MANHOURS REQUIRED
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TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c	CORRECTIVE ACTION d	INITIAL WHEN CORRECTED e
		C6348730	*EXCESS OF 10,000 RDS	
		C6225181	PER GUN, EACH NEEDS	
		C6225524	RE-BARRELING	
		C6348969	T/I TRIGGERS/STOCKS	
		C6348954		
		C6225370	*THREE WEAPONS WERE	
		C6225467	SHOT IN THE LAST	
		C6348907	SNIPER CLASS, SNIPER	
		C6225409	COMMITTEE SAID THEY	
		C6348868	NEED RE-BARRELING	
		C6225174	DUE TO POOR SHOT PERFORMANCE	
		C6348981	AND EXCESS RDS.	
			AT 1/24/96	
			*EACH WEAPON HAS A	
			SCOPE MOUNT	
		P.O.C. SSG DEUK		
		3RD BN 1ST SFG(A)		
			(206) 967-8813/E 96	

CONTRACT # DAAA21-87-C-0086

Barrel

GUN SERIAL # C6348907

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		7/24/96	RW
600	Proof		7/24/96	RW
607	Check Headspace		7/24/96	RW
610	Dis-assemble Gun		7/24/96	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force					
	G) Safety Off Force					
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent					
	J) Assemble Stock					
	K) Assemble Swivel Studs					
	L) Attach Front and Rear Sight Assemblies					
	M) Iron Sight Alignment					
	N) Detach Front & Rear Sights & place in numbered container					
	O) Attach Scope to Rifle					
	P) Detach & Attach Scope 20 Times					
640	Gallery Target & Test					
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo					
655	Final Inspection A) Headspace					
	B) Trigger Pull					
	C) Function					
660	Pack					

Final Inspection

Sn: C6348907

DATE REC'D: 7/15/96

DATE RET'D:

Auditor: RW

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☐ Scope☐ Scope Rings☐ Mounting Screws☐ Mounting Base☐ Screws☐ Finish☐ Looseness☐ CLARITY

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ STOCK☒ SLING SWIVEL STUDS☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ Scope Case☐ Iron SIGHTS☐ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

Comments:

Remington®  REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

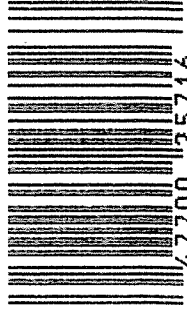
SERIAL NO. C6348907	ORDER NO. 5716
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VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.



5716 C6348907

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348907

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 30	89	DW
600	Proof	8 30	89	DW
607	Check Headspace	8 30	89	DW
610	Dis-assemble Gun	8 30	89	DW
612	Magnaflux Barrel Action		8/31/89	KCR
	Magnaflux Bolt		8/31/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	9 1	89	LB
618	Polish Barrel RB	9 1	89	BT
620	Apply Coatings (Barrel Action)		9-7-89	TJA
	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		22 Sept 89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			9/28/89	JU
	G) Safety Off Force	3	3	3			9/28/89	JU
	H) Trigger Pull Test & Retainability						2780/89	JS
	I) Firing Pin Indent	.020	.020	.0205			9/28/89	JU
	J) Assemble Stock						9/28/89	RW
	K) Assemble Swivel Studs						6/28/89	JS
	L) Attach Front and Rear Sight Assemblies						9/28/89	RW
	M) Iron Sight Alignment						9/28/89	RW
	N) Detach Front & Rear Sights & place in numbered container						9/28/89	RW
	O) Attach Scope to Rifle						9/28/89	JU
	P) Detach & Attach Scope 20 Times						9/28/89	JU
640	Gallery Target & Test						9-29-89	AC
	A) Time						9-29-89	AC
	B) Malfunctions						9-29-89	AC
	C) Pierced Primers						9-29-89	AC
	D) Optical Clarity of Scope						9-29-89	AC
645	Inspect for Live Ammo						9-29-89	AC
655	Final Inspection							
	A) Headspace						6/28/89	JS
	B) Trigger Pull	247	255	291	288	272	6/28/89	JS
	C) Function						6/28/89	JS
660	Pack						14 Dec 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6348907DATE 3/29/90TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.31	2.48		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.23	2.46		
PULL #3	2.28	2.33	2.43		
PULL #4	2.30	2.30	2.55		
PULL #5	2.27	2.28	2.45		
TOTAL	11.46	11.45	12.37		
AVG.	2.29	2.29	2.47		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.29		
PULL #2	3.21	3.21		
PULL #3	3.33	3.19		
PULL #4	3.28	3.20		
PULL #5	3.26	3.24		
TOTAL	16.32	16.13		
AVG.	3.26	3.22		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.46		
PULL #2	4.33	4.39		
PULL #3	4.20	4.34		
PULL #4	4.21	4.38		
PULL #5	4.27	4.37		
TOTAL	21.22	21.94		
AVG.	4.24	4.38		

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # 06348907
 3 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.274388
1 TO	2	.316304
1 TO	3	.450006
1 TO	4	.350036
1 TO	5	.576014

$\frac{53}{21}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0366
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0004
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0366022
 THE AMR FOR THIS RIFLE IS: .9314

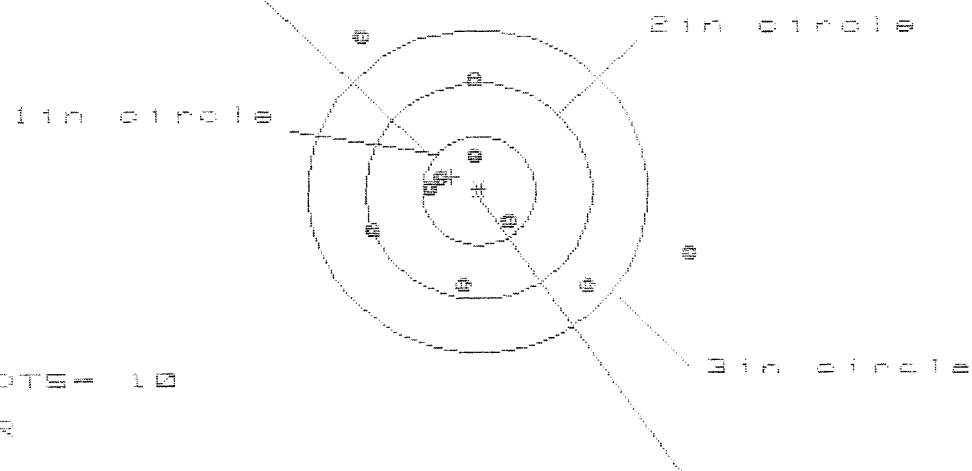
3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348987

CENTERFIRE PATTERNS

1

POA



OF SHOTS= 10

IN CIR

1in = 4

2in = 5

3in = 8

HS= 2.911

VS= 2.269

GS= 3.513

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.828	1.198	1.088
MINIMUM X	-1.083	-0.879	-0.861
MAXIMUM Y	1.395	1.332	1.179
MINIMUM Y	-0.874	-0.937	-0.771
CENTROID X	.240	.036	.146
CENTROID Y	-.133	-.070	-.236
POA TO CENTROID in.	.274	.079	.278
MIN RADIUS	.319	.107	.293
MEAN RADIUS	.956	.809	.723
MAX RADIUS	1.916	1.596	1.333
HORIZONTAL SPREAD	2.911	2.077	1.949
VERTICAL SPREAD	2.269	2.269	1.950
EXTREME SPREAD	3.513	3.076	2.225
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B907

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 0

2in = 7

3in = 10

HS= 2.040

VS= 2.079

GS= 2.537

CENTROID #

PATTERN #

2

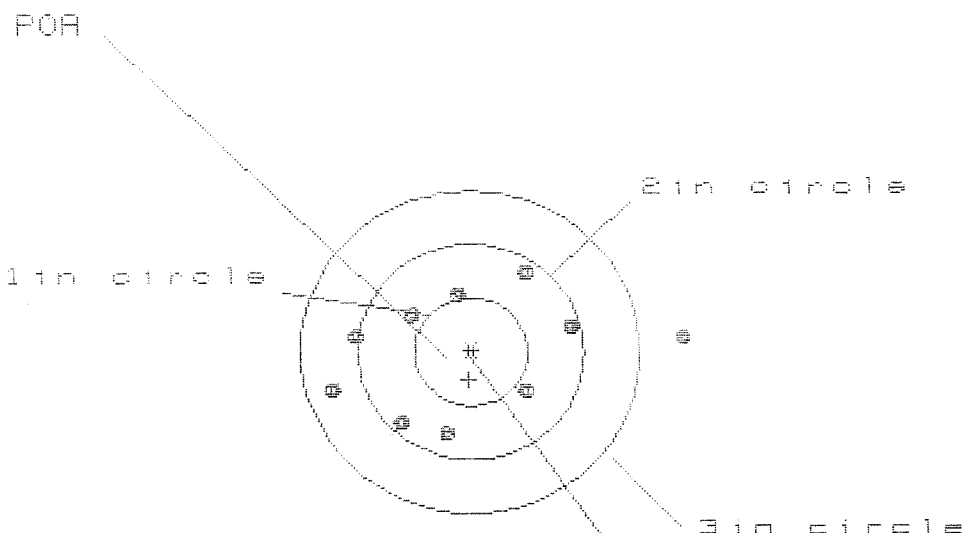
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.992	.688	.740
MINIMUM X	:	-1.049	-.938	-.886
MAXIMUM Y	:	.842	.931	.788
MINIMUM Y	:	-1.237	-1.148	-.759
CENTROID X	:	-.068	-.178	-.230
CENTROID Y	:	-.205	-.294	-.151
POA TO CENTROID in.	:	.216	.344	.275
MIN RADIUS	:	.543	.507	.558
MEAN RADIUS	:	.860	.815	.749
MAX RADIUS	:	1.276	1.221	1.167
HORIZONTAL SPREAD	:	2.040	1.626	1.626
VERTICAL SPREAD	:	2.079	2.079	1.547
EXTREME SPREAD	:	2.537	2.080	2.019
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CG348907

CENTERFIRE PATTERNS

3



OF SHOTS = 10

IN CIR

1in = 0

2in = 7

3in = 8

HS = 3.073

VS = 1.498

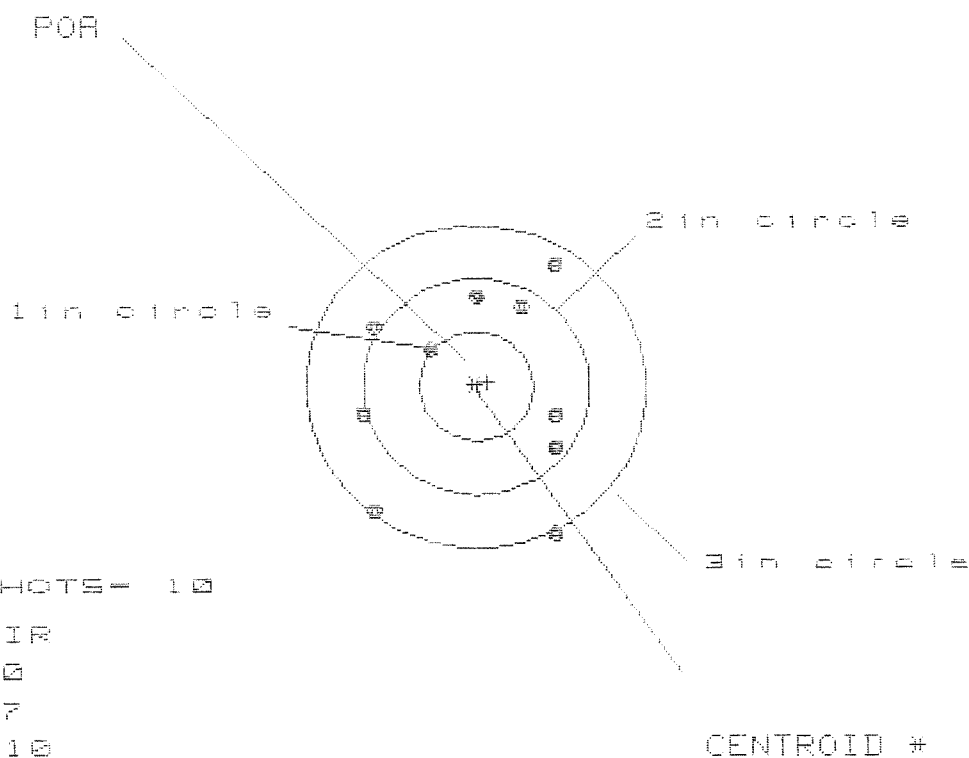
GS = 3.114

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.851	1.117	.998
MINIMUM X	:	-1.222	-1.016	-.918
MAXIMUM Y	:	.717	.736	.698
MINIMUM Y	:	-.781	-.762	-.800
CENTROID X	:	.019	-.187	-.060
CENTROID Y	:	.259	.240	.278
POA TO CENTROID in.	:	.259	.304	.285
MIN RADIUS	:	.556	.458	.519
MEAN RADIUS	:	.940	.813	.779
MAX RADIUS	:	1.859	1.147	1.014
HORIZONTAL SPREAD	:	3.073	2.133	1.908
VERTICAL SPREAD	:	1.498	1.498	1.498
EXTREME SPREAD	:	3.114	2.208	1.911
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

3 Nov 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06348907

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 0

2in = 7

3in = 10

HS= 1.705

VS= 2.496

GS= 2.860

CENTROID #

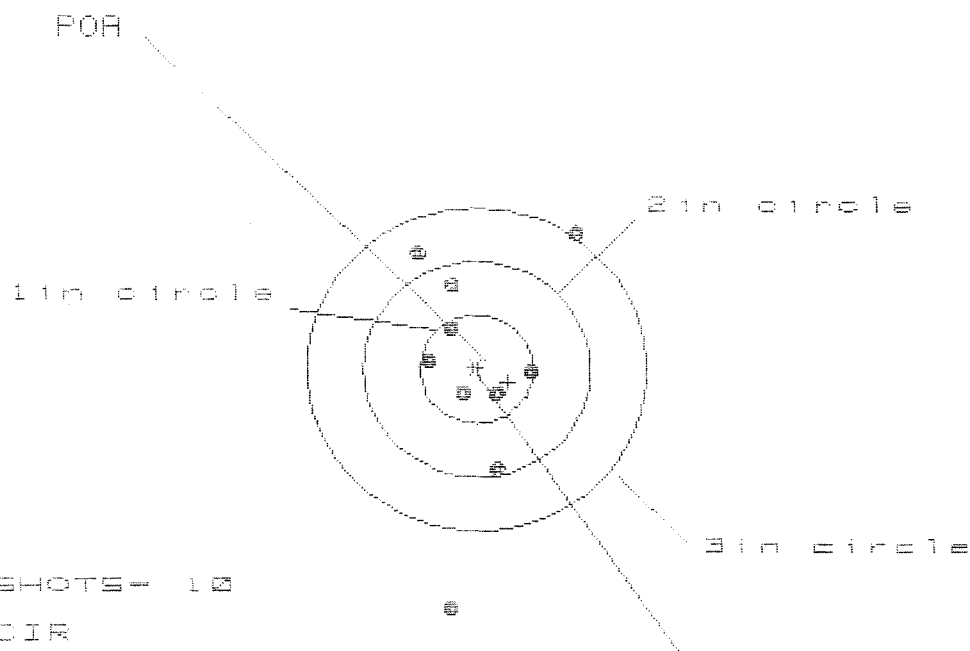
PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.746	.647	.716
MINIMUM X	-.959	-1.058	-.989
MAXIMUM Y	1.159	1.026	.843
MINIMUM Y	-1.337	-1.470	-.906
CENTROID X	-.098	.001	-.060
CENTROID Y	-.042	.091	.274
POR TO CENTROID in.	.106	.091	.283
MIN RADIUS	.550	.575	.473
MEAN RADIUS	1.025	.954	.843
MAX RADIUS	1.487	1.569	1.155
HORIZONTAL SPREAD	1.705	1.705	1.705
VERTICAL SPREAD	2.496	2.496	1.749
EXTREME SPREAD	2.860	2.498	2.204
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 1.300

VS= 3.500

GS= 3.693

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.897	.869	.600
MINIMUM X	-.483	-.511	-.403
MAXIMUM Y	1.323	1.000	1.005
MINIMUM Y	-2.186	-1.185	-1.050
CENTROID X	-.276	-.248	-.356
CENTROID Y	.123	.365	.230
POA TO CENTROID in.	.302	.441	.424
MIN RADIUS	.283	.279	.294
MEAN RADIUS	.876	.730	.617
MAX RADIUS	2.200	1.386	1.082
HORIZONTAL SPREAD	1.380	1.380	1.003
VERTICAL SPREAD	3.500	2.265	2.055
EXTREME SPREAD	3.693	2.392	2.144
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	