

C6498729

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smead®
No. 2152-51

Repair Number: RE00074612	Serial: C6498729 Model 700 Center Fire Caliber 7 62 NATO M24 SWS Produced: 08/19/1990	Repairman:	Status: Closed 12/29/2003 10:35:50 AM
Verify Repair:			

Address Information			
Customer:	Received From:	Return To:	Received From:
Name: HHC 3/327		HHC 3/327	
Address 1:			
Address 2:	PO Box:		PO Box:
City: FORT CAMPBELL		FORT CAMPBELL	
State: KY Zip Code: 42223 Country: US		State: KY Zip Code: 42223 Country: US	
FPL: [] [] [] [] [] [] [] []			

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>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Bases</td> <td>3</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> <tr> <td>A045</td> <td>Bi Pod</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Studs	3	A010	Hard Case	1	A017	Scope Bases	3	A026	Scope	1	A045	Bi Pod	1
Code	Desc	Qty																				
A007	With Studs	3																				
A010	Hard Case	1																				
A017	Scope Bases	3																				
A026	Scope	1																				
A045	Bi Pod	1																				

Repair Search	Refresh	Close
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negley	1/5/2004	9:04 AM	CAPS	NUM	INS	SDPL
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start [] [] [] [] [] [] [] [] 3 [] [] [] [] [] [] [] []

Serial Number: **C6498729**

Model: **700**



RE00074612

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498729.___0
FILE DATE AND TIME: 01/26/2004 08:52

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

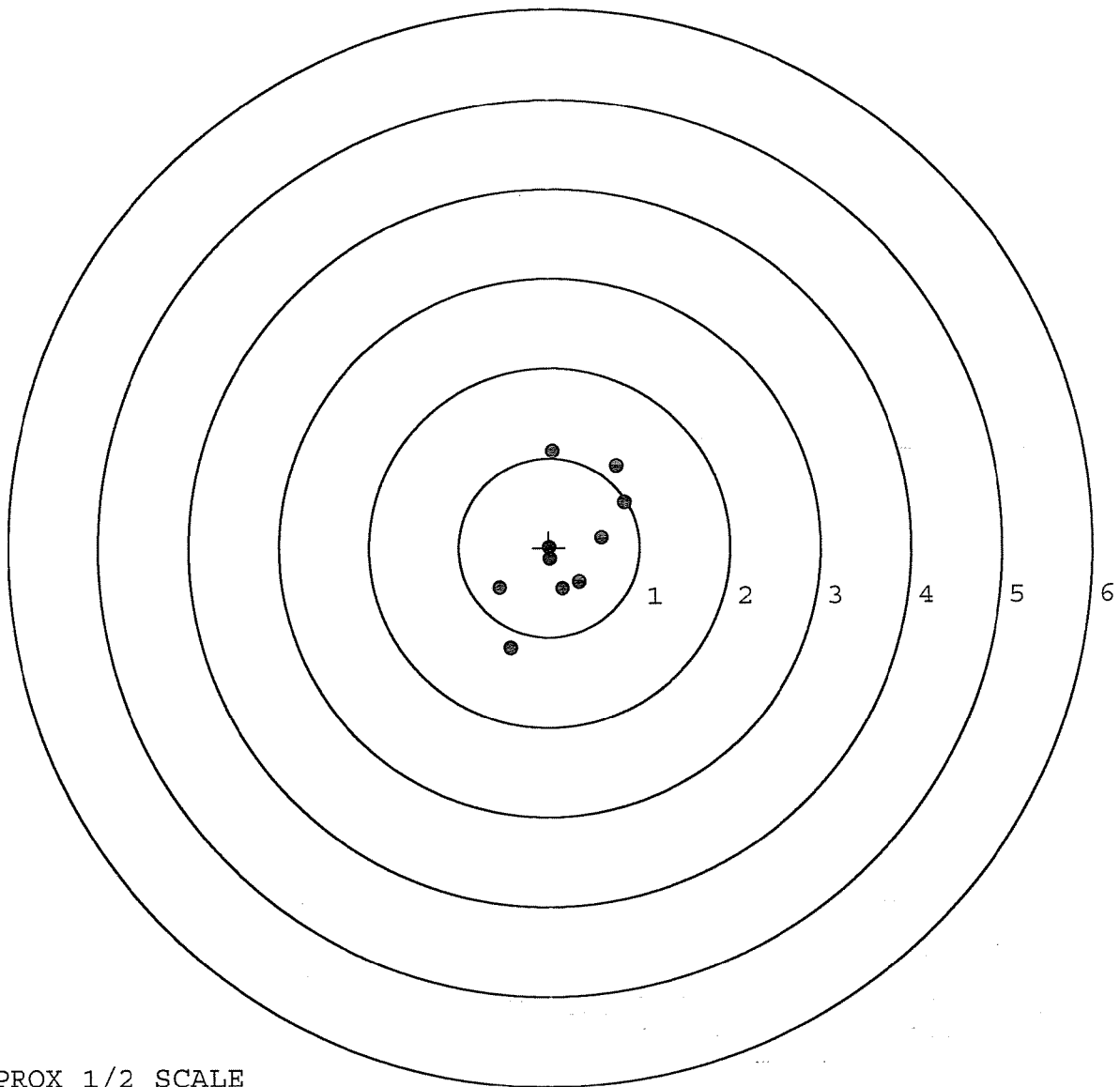
The Average X Centroid of the Five Target Set:	0.038
The Average Y Centroid of the Five Target Set:	0.025
The Average Point of Impact of the Five Target Set:	0.045
The Average Mean Radius of the Five Target Set:	0.663
The Distance from POA to Centroid Target #1:	0.173
The Distance from Centroid Target #2 to Centroid Target #1:	0.381
The Distance from Centroid Target #3 to Centroid Target #1:	0.286
The Distance from Centroid Target #4 to Centroid Target #1:	0.269
The Distance from Centroid Target #5 to Centroid Target #1:	0.104

BARBER - M24 0006586

SERIAL NUMBER: C6498729. __0
TARGET NUMBER: 1
FILE DATE: 01/26/2004
FILE TIME: 08:52

X CENTROID: 0.173
Y CENTROID: 0.005
POA TO CENTROID: 0.173
HORZ SPREAD: 1.382
VERT SPREAD: 2.201
GROUP SPREAD: 2.355
MIN RADIUS: 0.175
MAX RADIUS: 1.280
MEAN RADIUS: 0.682
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.002	0.000
2:	0.041	1.076
3:	0.752	0.912
4:	0.834	0.506
5:	0.581	0.112
6:	-0.548	-0.452
7:	-0.429	-1.125
8:	0.011	-0.129
9:	0.339	-0.390
10:	0.148	-0.461



TARGET APPROX 1/2 SCALE

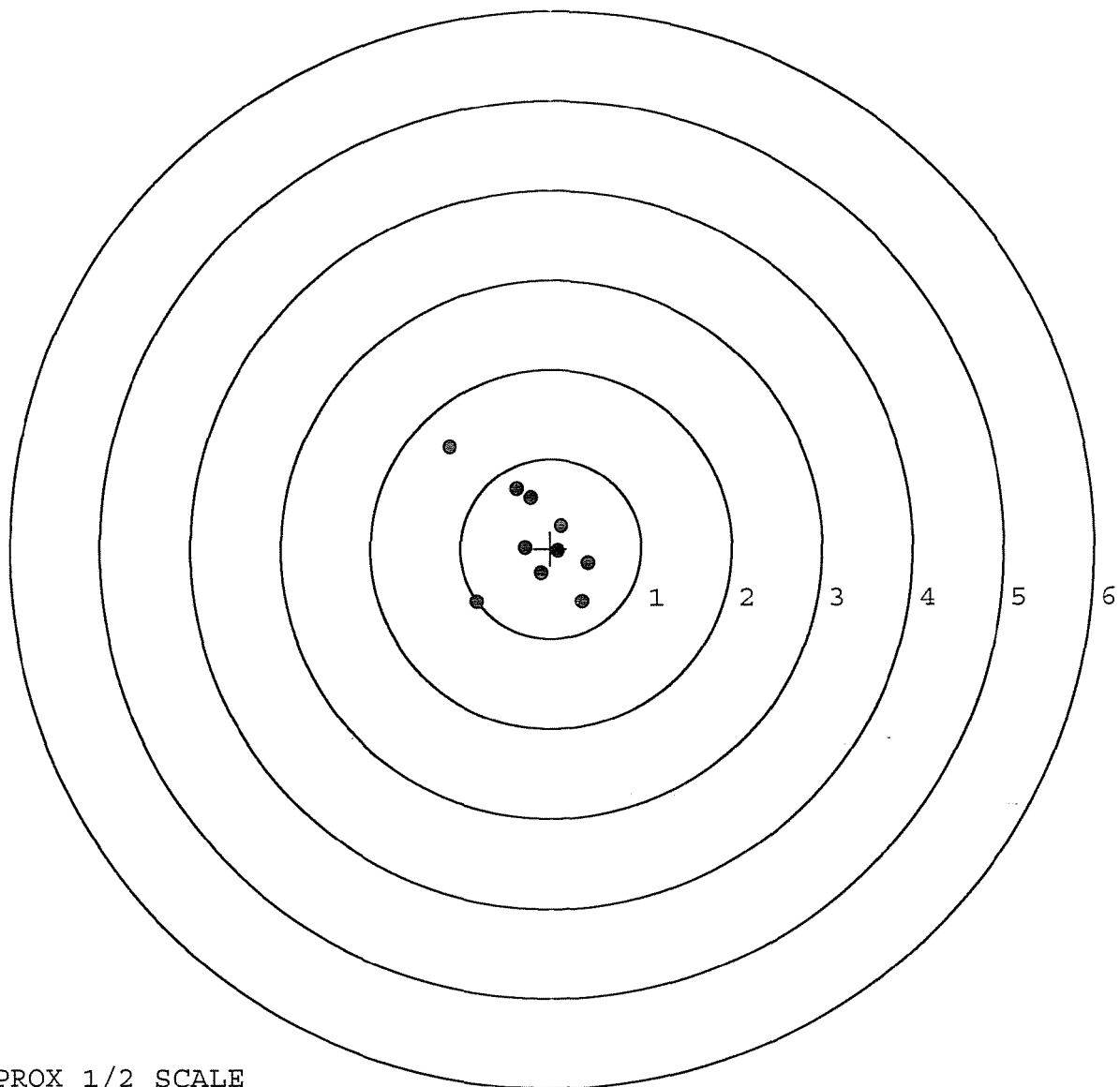
BARBER - M24 0006587

SERIAL NUMBER: C6498729. 0
TARGET NUMBER: 2
FILE DATE: 01/26/2004
FILE TIME: 08:52

X CENTROID: -0.197
Y CENTROID: 0.098
POA TO CENTROID: 0.220
HORZ SPREAD: 1.530
VERT SPREAD: 1.726
GROUP SPREAD: 2.262
MIN RADIUS: 0.125
MAX RADIUS: 1.385
MEAN RADIUS: 0.608

IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.114	1.136
2:	-0.824	-0.590
3:	-0.379	0.662
4:	-0.223	0.566
5:	0.115	0.249
6:	0.416	-0.161
7:	0.350	-0.588
8:	-0.110	-0.275
9:	-0.284	0.009
10:	0.085	-0.028



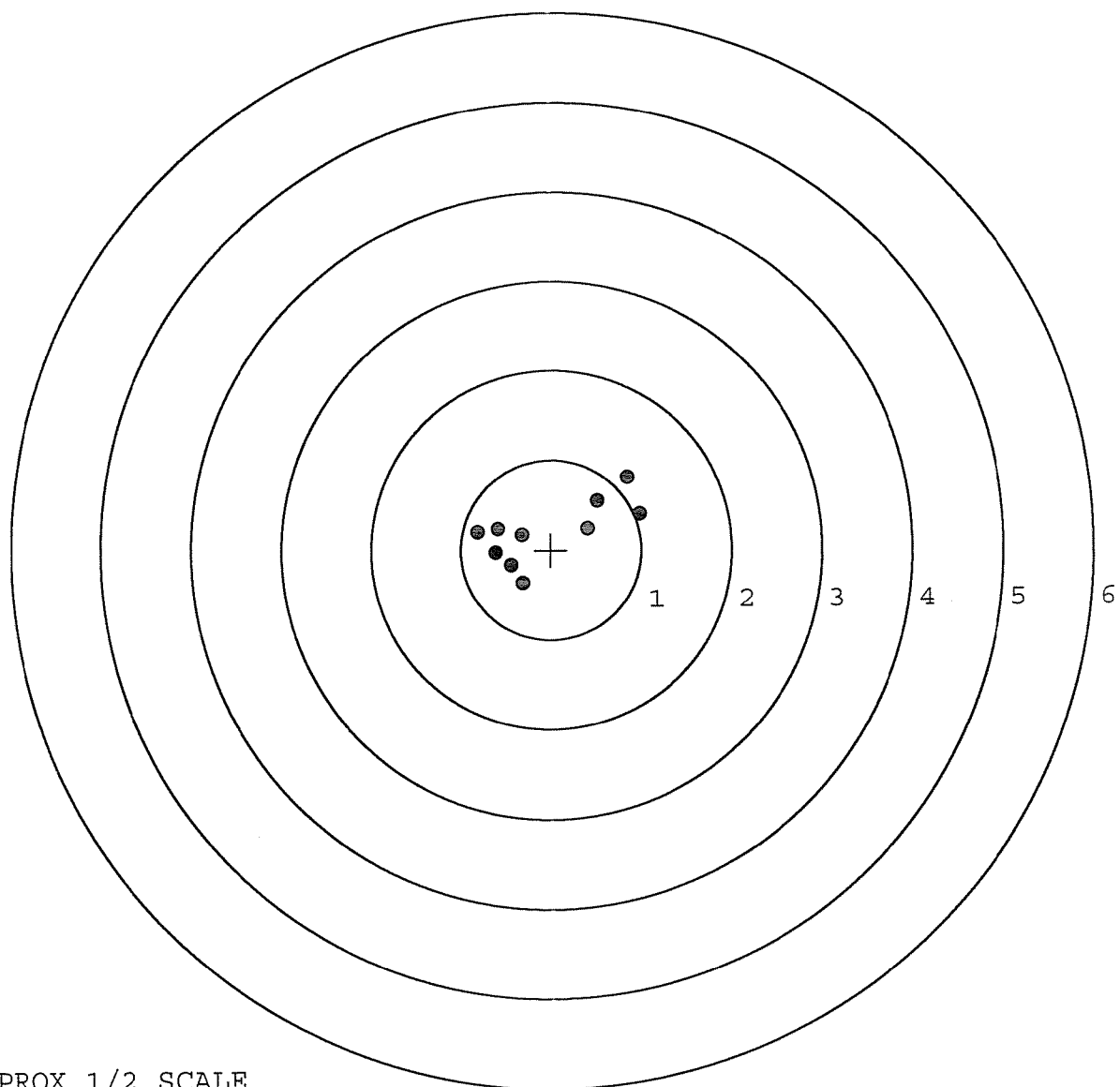
TARGET APPROX 1/2 SCALE

BARBER - M24 0006588

SERIAL NUMBER: C6498729. __0
TARGET NUMBER: 3
FILE DATE: 01/26/2004
FILE TIME: 08:52

X CENTROID: -0.035
Y CENTROID: 0.202
POA TO CENTROID: 0.205
HORZ SPREAD: 1.797
VERT SPREAD: 1.175
GROUP SPREAD: 1.769
MIN RADIUS: 0.289
MAX RADIUS: 1.070
MEAN RADIUS: 0.665
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.814	0.203
2:	-0.590	0.236
3:	-0.322	0.171
4:	-0.442	-0.172
5:	-0.320	-0.370
6:	0.849	0.805
7:	0.983	0.399
8:	0.516	0.542
9:	0.410	0.238
10:	-0.619	-0.030



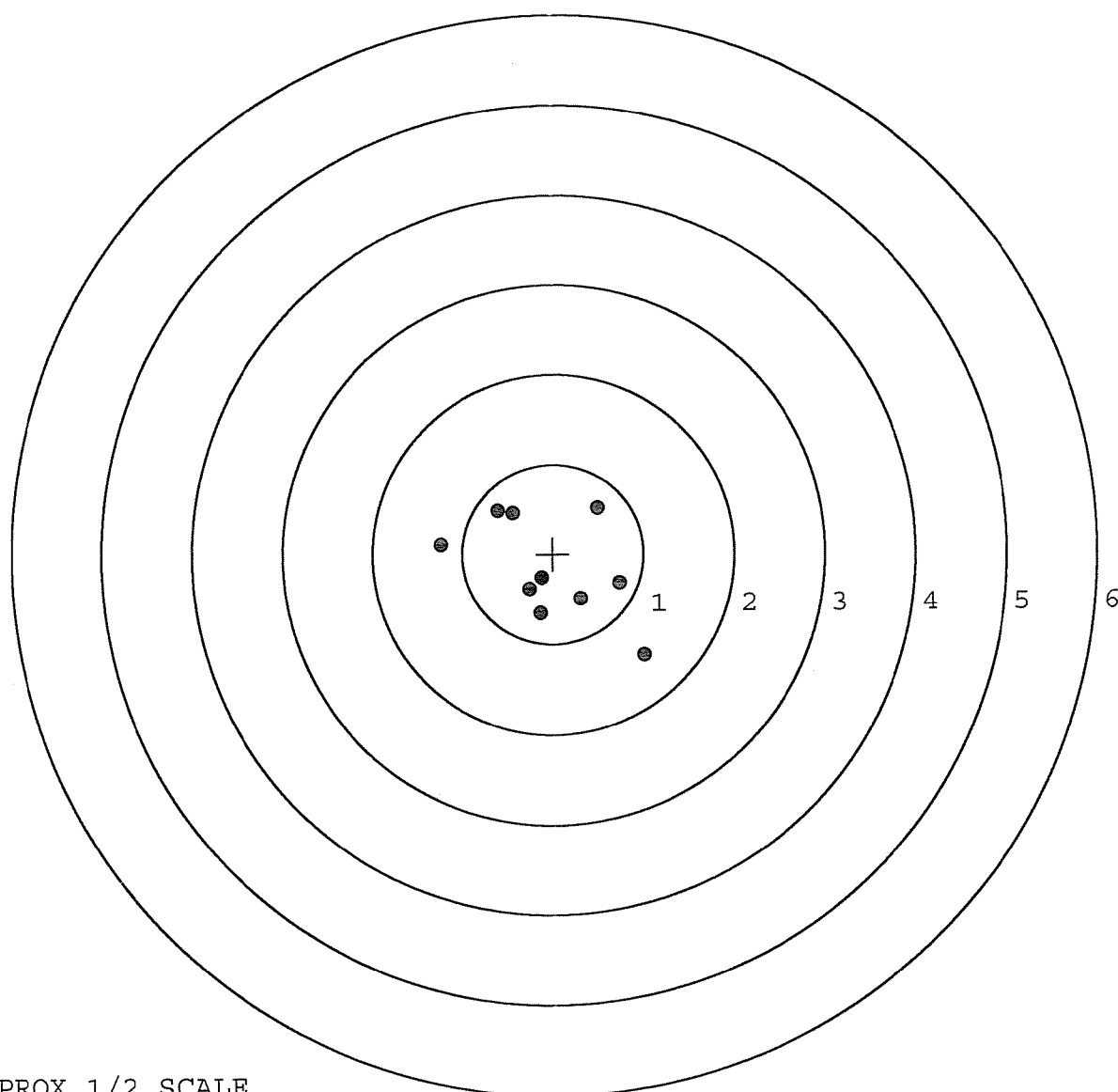
TARGET APPROX 1/2 SCALE

BARBER - M24 0006589

SERIAL NUMBER: C6498729. __0
TARGET NUMBER: 4
FILE DATE: 01/26/2004
FILE TIME: 08:52

POINT#	X	Y
1:	0.496	0.510
2:	-0.443	0.457
3:	-0.611	0.484
4:	-1.243	0.112
5:	0.737	-0.331
6:	0.310	-0.502
7:	1.003	-1.130
8:	-0.131	-0.268
9:	-0.261	-0.399
10:	-0.141	-0.666

X CENTROID: -0.028
Y CENTROID: -0.173
POA TO CENTROID: 0.176
HORZ SPREAD: 2.246
VERT SPREAD: 1.640
GROUP SPREAD: 2.567
MIN RADIUS: 0.140
MAX RADIUS: 1.407
MEAN RADIUS: 0.737
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



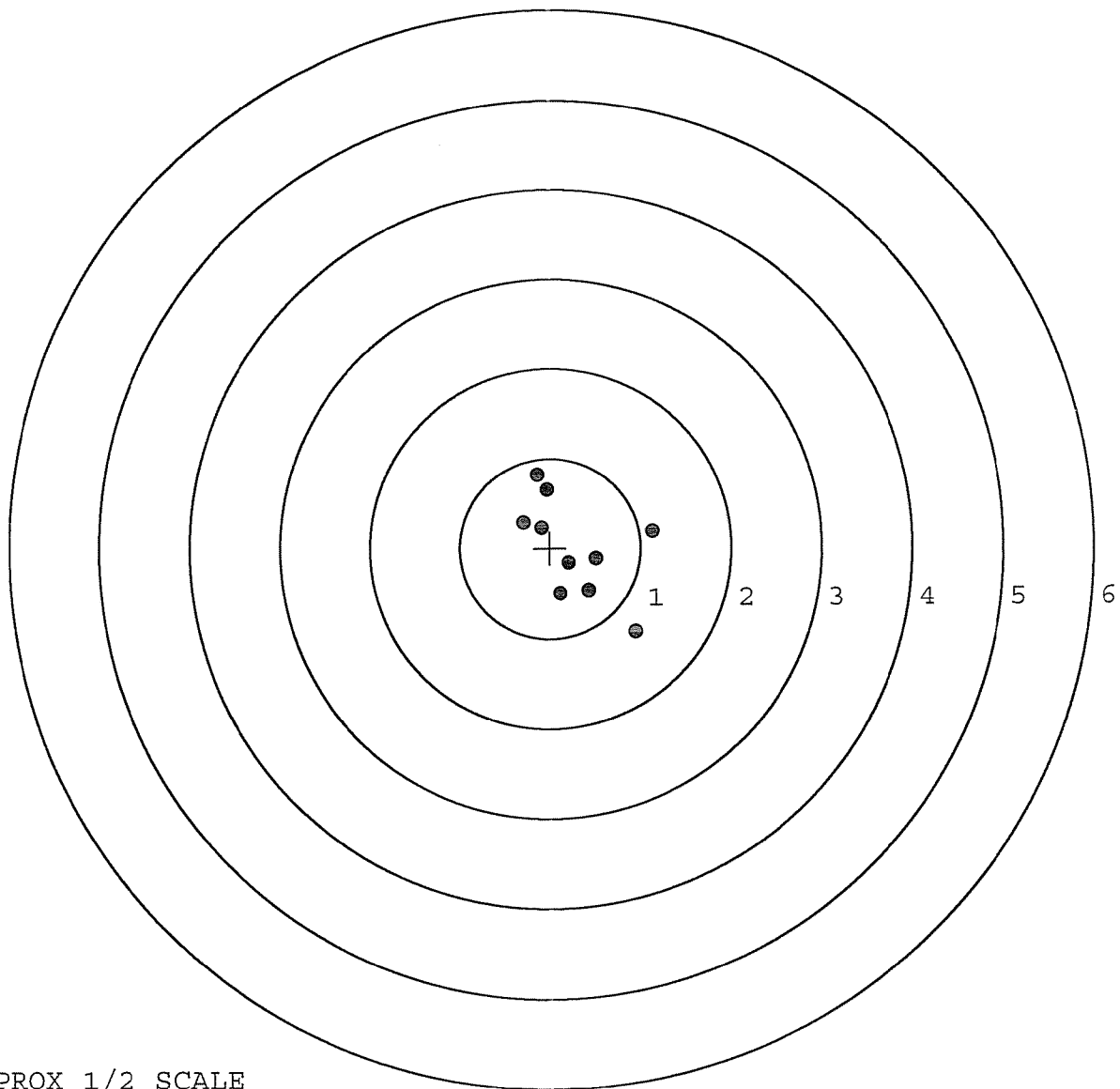
TARGET APPROX 1/2 SCALE

BARBER - M24 0006590

SERIAL NUMBER: C6498729. __0
TARGET NUMBER: 5
FILE DATE: 01/26/2004
FILE TIME: 08:52

X CENTROID: 0.276
Y CENTROID: -0.006
POA TO CENTROID: 0.276
HORZ SPREAD: 1.428
VERT SPREAD: 1.750
GROUP SPREAD: 2.058
MIN RADIUS: 0.179
MAX RADIUS: 1.140
MEAN RADIUS: 0.622
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.131	0.183
2:	0.940	-0.933
3:	-0.143	0.817
4:	-0.039	0.651
5:	-0.297	0.281
6:	-0.099	0.226
7:	0.509	-0.124
8:	0.431	-0.476
9:	0.115	-0.513
10:	0.210	-0.172



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 1-5-04

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.53	2.35		2.79	
PULL #2	2.63	2.56		2.57	
PULL #3	2.46	2.77		2.76	
PULL #4	2.47	2.65		2.77	
PULL #5	2.62	2.68		2.61	
TOTAL	12.71	13.01		13.50	
AVERAGE	2.54	2.60		2.70	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.35		
PULL #2	3.55	3.52		
PULL #3	3.35	3.44		
PULL #4	3.45	3.41		
PULL #5	3.46	3.29		
TOTAL	17.06	17.01		
AVERAGE	3.41	3.40		

	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	4.14	4.02		4.16
PULL #2	4.16	4.22		4.12
PULL #3	4.32	4.33		4.22
PULL #4	4.22	4.14		4.04
PULL #5	4.06	4.15		4.34
TOTAL	20.90	20.86		20.88
AVERAGE	4.18	4.17		4.17

BARBER M24 0006592

R&E NUMBER	44612		
SERIAL NUMBER	C649 8729		
LOG-IN DATE	12-29-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-06-04	RTL
560 A	RE-BARREL	1-7-04	RTL
B	DRILL AND TAP	1-9-04	TRW
575	ASSEMBLE	1-8-04	RTL
600	PROOF	1-8-04	RW
605	CHECK HEADSPACE	1-8-04	RW
610	DIS-ASSEMBLE GUN	1-8-04	RW
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	1-13-04	B
618	ROTO-BLAST	1/13/2004	Dans.
620	APPLY COATINGS	1-15	TA
625 A	FINAL ASSEMBLY	1-17-04	RTL
B	TRIGGER PULL TEST	1-28-04	RTL
C	SAFETY "ON" FORCE	1-28-04	RTL
D	SAFETY "OFF" FORCE	1-28-04	RTL
E	FIRING PIN INDENT		
640	TARGET	1-26-04	AC
655	FINAL INSPECT	1-28-04	RTL
660	PACK	1-28-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

BGS

85B

MAINTENANCE REQUEST				PAGE NO. 1	NO. OF PAGES 1	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG									
SECTION I - EQUIPMENT DATA									
CONTROL NUMBER		WORK ORDER NO.		WESDC		ORG. PD		PD AUTHENTICATION <i>K. H. L. CPT, SF Commanding</i>	
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION D Co 35 SFG (A)		B. LOCATION Ft. Campbell KY 42223		C. UNIT IDENT CODE WHOGDO			
2. SERIAL NO. 66448729		3. NOUN NOMENCLATURE 7.62mm M24 SNIPER Weapon		4. LINE NO.		5. MODEL		6. NATIONAL STOCK NUMBER 1005-01-240-2136	
7A. MAINTENANCE ACTIVITY IMO		B. LEVEL D		8. UTILIZATION CODE B		9A. MCSR ITEM		9B. ERC 058	
						9C. PACING ITEM 008		10. HOURS 258	
								11. MILES 387	
								12. ROUNDS 790	
								13. STARTS X	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)									
☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☐ D Normal Op ☐ F Inspection ☒ H Other									
15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)									
☐ 058 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☐ 387 Low Performance ☒ Other									
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs)									
Missing Scope Rail									
6,200 Rnds Count									
B. REMARKS									
W52 H095345 H246									
PREPARATION INSTRUCTIONS (Prior to using this form, read DA PAM 738-750 for detailed preparation instructions)									
1. Place a "✓" or an "X" in the box for the type of action required. 2. Enter the WESDC if the item is Materiel Condition Status Reportable. 3. Enter the priority designator as determined from the urgency of need and force activity designator. 4. The Unit Commander, Chief of TDA activity or their designated representative will authenticate, by signature, a priority of 01 through 08. 5. Block 1A. Enter the name of the organization submitting the request. 6. Block 1B. Enter the unit submitting the request; units overseas enter APO only. 7. Block 1C. Enter the unit identification code of the unit in block 1A. 8. Block 2. Enter the equipment serial number. For ammunition, enter the lot number. For administrative-use vehicles, enter the USA registration number. 9. Block 3. Enter the noun abbreviation of the item. 10. Block 4. Enter the item line number, if applicable. 11. Block 5. Enter the model number. 12. Block 6. Enter the National Stock Number of the item listed in Block 3. 13. Block 7. Enter the name of the support activity. 14. Block 7A. Enter the symbol of the maintenance category (O, F, H, D, or L). 15. Block 8. Enter the utilization code. 16. Block 9A. Enter the word "yes" if the item is Materiel Condition Status Reportable. 17. Block 9B. Enter the equipment readiness code, if applicable. 18. Block 9C. Enter the word "yes" if the item is a pacing item. 19. Block 10. Enter the hour reading, if applicable. 20. Block 11. Enter the mileage from the odometer, if applicable. 21. Block 12. Enter the total rounds fired, if applicable. 22. Block 13. For turbine engines, enter the number of hot starts. 23. Block 14. Enter a "✓" or "X" in the proper block. 24. Block 15. Enter a "✓" or "X" in the proper block. 25. Block 16. Describe briefly the fault or symptoms needing correction.									
23. SUBMITTED BY <i>Tony J. White</i>		24. RECEIVED BY							
JULIAN DATE		JULIAN DATE							

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Final Inspection

Sn: C6498729

DATE REC'D: 12/04/95

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:

New Barrel

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498729

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		12/21/95	RW
600	Proof		12/21/95	RW
607	Check Headspace		12/21/95	RW
610	Dis-assemble Gun		12/21/95	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		1/5/96	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/5/96	RW
	C) Inspect Ejector Hole for Chamfer		1/5/96	RW
	D) Oil Firing Pin Ass'y		1/5/96	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

BARBER - M24 0006598

OP. NAME

READINGS

DATE

INIT

op. #

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

2.75 | 2.70 | 2.68 | 2.78 | 2.73

1/6/96 WJB

1/6/96 WJB

1/10/96 RW

1/10/96 RW

1/10/96 RW

BARBER - M24 0006599

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498729
7 Jan 1988

CENTROIDAL DISTANCES

Ø TO	1	1.63897
1 TO	2	.766692
1 TO	3	.215928
1 TO	4	.495298
1 TO	5	.683574

31 4
2 5

+ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0908
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.4538
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.45663
THE AMR FOR THIS RIFLE IS: 1.085

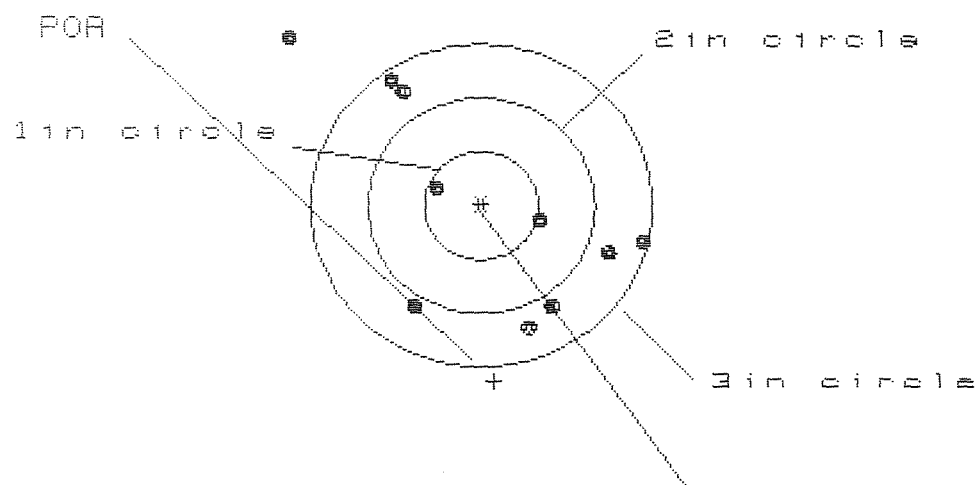
CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0006599 06638

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C649B729

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 2

3in = 8

HE = 3.043

VS = 2.723

GS = 3.614

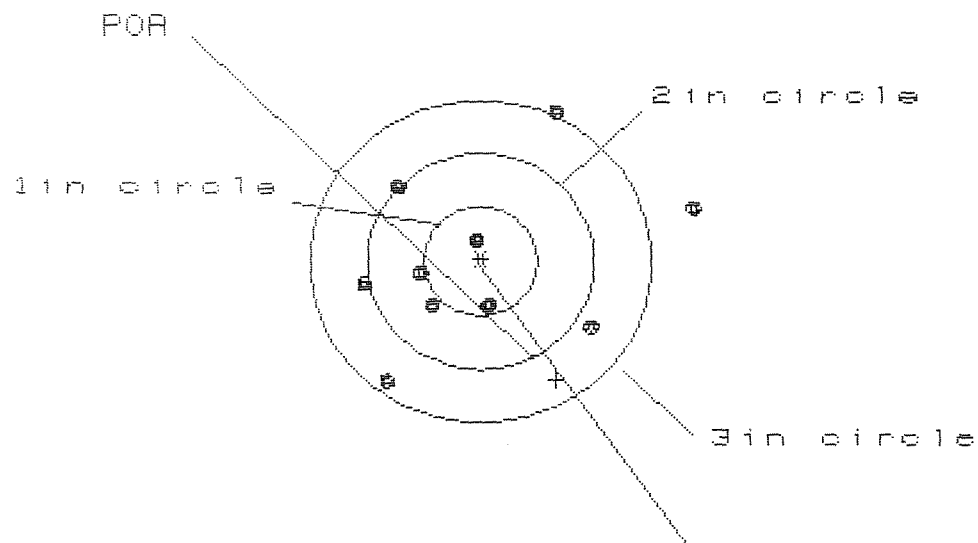
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.406	1.324	1.061
MINIMUM X	-1.637	-0.935	-0.782
MAXIMUM Y	1.584	1.337	1.313
MINIMUM Y	-1.139	-0.962	-0.986
CENTROID X	-0.114	0.068	-0.085
CENTROID Y	1.635	1.458	1.482
FOR TO CENTROID in.	1.638	1.460	1.485
MIN RADIUS	0.393	0.283	0.435
MEAN RADIUS	1.183	1.017	0.995
MAX RADIUS	2.278	1.631	1.528
HORIZONTAL SPREAD	3.043	2.159	1.843
VERTICAL SPREAD	2.723	2.299	2.299
EXTREME SPREAD	3.614	2.644	2.580
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	9		

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6498729

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.946

VS= 2.453

GS= 3.131

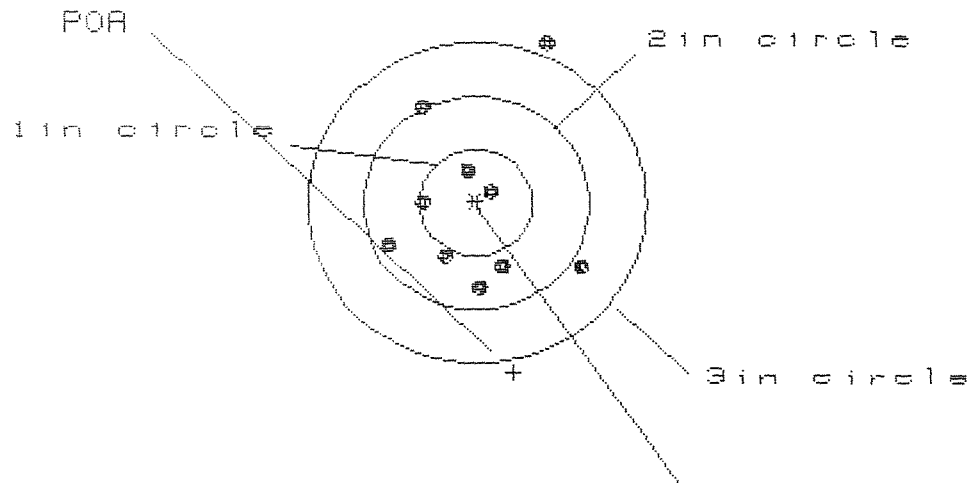
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.894	1.163	1.270
MINIMUM X	:	-1.052	-.842	-.735
MAXIMUM Y	:	1.388	1.448	.904
MINIMUM Y	:	-1.065	-1.005	-.824
CENTROID X	:	-.668	-.878	-.985
CENTROID Y	:	1.105	1.045	.864
POR TO CENTROID in.	:	1.291	1.365	1.311
MIN RADIUS	:	.198	.306	.180
MEAN RADIUS	:	.973	.816	.670
MAX RADIUS	:	1.969	1.683	1.314
HORIZONTAL SPREAD	:	2.946	2.005	2.005
VERTICAL SPREAD	:	2.453	2.453	1.728
EXTREME SPREAD	:	3.131	2.845	2.120
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6498729

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

CENTROID #

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 1.733

VS = 2.360

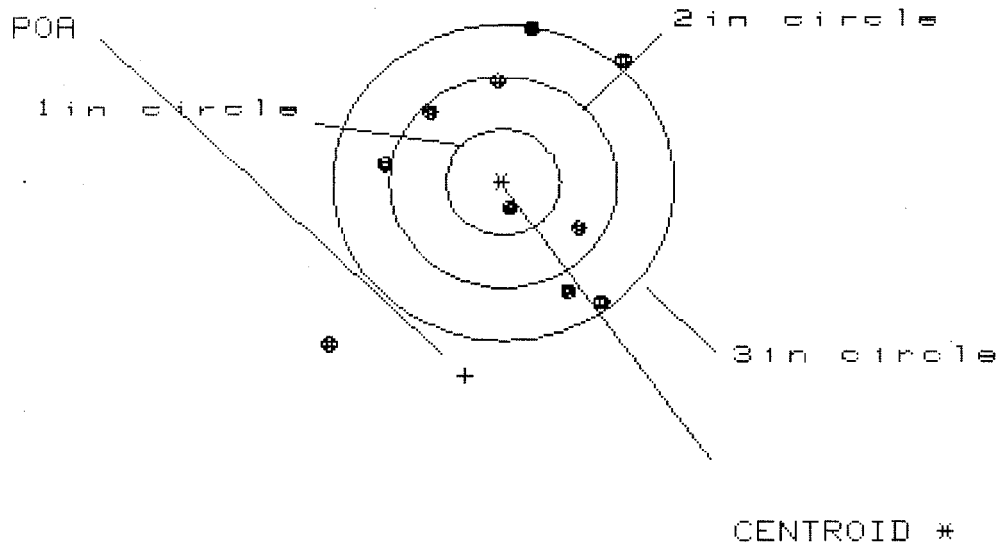
GS = 2.452

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.973	1.048	.469
MINIMUM X	-.760	-.685	-.554
MAXIMUM Y	1.552	1.121	1.067
MINIMUM Y	-.808	-.635	-.689
CENTROID X	-.326	-.401	-.532
CENTROID Y	1.594	1.421	1.475
POA TO CENTROID in.	1.627	1.477	1.568
MIN RADIUS	.161	.339	.251
MEAN RADIUS	.762	.640	.566
MAX RADIUS	1.692	1.189	1.099
HORIZONTAL SPREAD	1.733	1.733	1.023
VERTICAL SPREAD	2.360	1.756	1.756
EXTREME SPREAD	2.452	2.122	1.821
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

7 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06498729

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.565

VS= 2.961

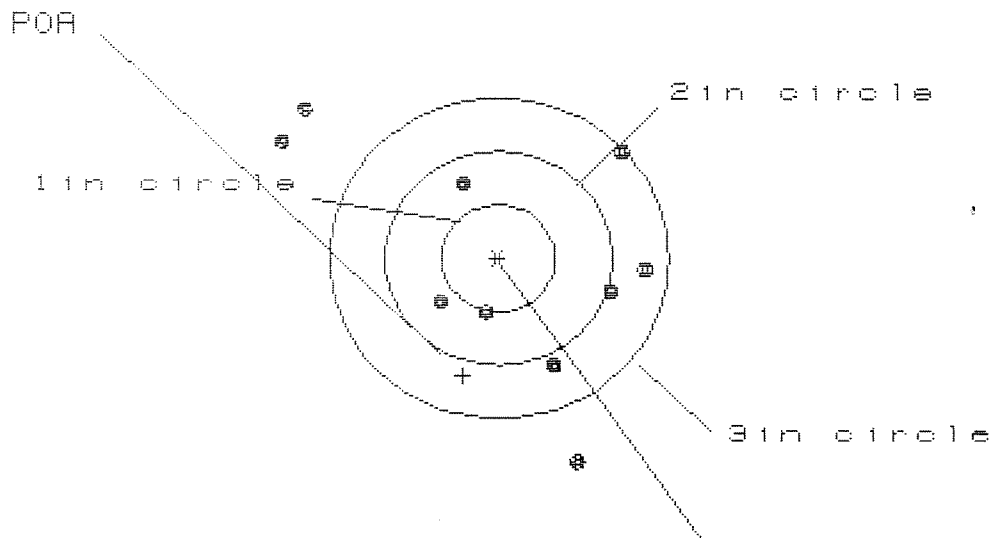
GS= 3.684

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.047	.878	.784
MINIMUM X	:	-1.518	-1.210	-1.100
MAXIMUM Y	:	1.453	1.285	1.406
MINIMUM Y	:	-1.508	-1.285	-1.164
CENTROID X	:	.340	.509	.399
CENTROID Y	:	1.833	2.001	1.880
POA TO CENTROID in.	:	1.865	2.065	1.922
MIN RADIUS	:	.281	.462	.324
MEAN RADIUS	:	1.173	1.060	1.007
MAX RADIUS	:	2.140	1.451	1.416
HORIZONTAL SPREAD	:	2.565	2.088	1.884
VERTICAL SPREAD	:	2.961	2.570	2.570
EXTREME SPREAD	:	3.684	2.642	2.642
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CG498729

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 7

HS= 3.280

VS= 3.281

GS= 4.045

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.324	1.107	.866
MINIMUM X	:	-1.956	-1.930	-1.017
MAXIMUM Y	:	1.363	1.481	1.297
MINIMUM Y	:	-1.917	-1.800	-1.615
CENTROID X	:	.314	.531	.772
CENTROID Y	:	1.102	.984	.799
POA TO CENTROID in.	:	1.145	1.118	1.111
MIN RADIUS	:	.480	.458	.556
MEAN RADIUS	:	1.334	1.201	1.008
MAX RADIUS	:	2.222	2.433	1.627
HORIZONTAL SPREAD	:	3.280	3.037	1.883
VERTICAL SPREAD	:	3.281	3.281	2.912
EXTREME SPREAD	:	4.045	4.045	2.949
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

BARBER - M24 0006605

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.

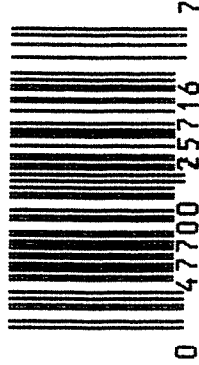
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO. C6498729	ORDER NO. 5716
-------------------------------	---------------------------------



5716 C6498729

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498729

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2	90	RW
600	Proof	5 2	90	RW
607	Check Headspace	5 2	90	RW
610	Dis-assemble Gun	5 2	90	RW
612	Magnaflux Barrel Action	5-8-90		KCR
	Magnaflux Bolt	5-8-90		KCR
615	Rollmark Caliber		5/8/90	CS
617	Drill and Tap Sight Holes		5/8/90	FB
618	Polish Barrel RB		5/8/90	WB
620	Apply Coatings (Barrel Action)		5-16-90	TS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/18/90	RW
	C) Inspect Ejector Hole for Chamfer		5/18/90	RW
	D) Oil Firing Pin Ass'y		5/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/24/90	RL

BARBER - M24 0006607

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	4 1/2	5/24/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2	5/24/90	WB
	H) Trigger Pull Test & Retainability				5/24/90	96/
	I) Firing Pin Indent	.023	.024	.0235	5/24/90	WB
	J) Assemble Stock				5/24/90	RW
	K) Assemble Swivel Studs				5/24/90	28
	L) Attach Front and Rear Sight Assemblies				5/24/90	RW
	M) Iron Sight Alignment				5/24/90	RW
	N) Detach Front & Rear Sights & place in numbered container				5/24/90	RW
	O) Attach Scope to Rifle				5/24/90	WB
	P) Detach & Attach Scope 20 Times				5/24/90	WB
640	Gallery Target & Test				5-25-90	DH
	A) Time				5-25-90	59
	B) Malfunctions				5-25-90	DH
	C) Pierced Primers				5-25-90	59
	D) Optical Clarity of Scope				5-25-90	59
645	Inspect for Live Ammo				5-25-90	59
655	Final Inspection					
	A) Headspace				29/11/90	28
	B) Trigger Pull	248	250	251	253	29/11/90
	C) Function				29/11/90	28
660	Pack				6-20-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6498729

DATE 5/24/90

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.29	2.30	2.20	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.14	2.16	2.50	
PULL #3	2.38	2.08	2.14	2.51	
PULL #4	2.34	2.16	2.30	2.53	
PULL #5	2.31	2.14	2.11	2.53	
TOTAL	11.70	10.82	10.91		
AVG.	2.34	2.164	2.182		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.43		
PULL #2	3.47	3.36		
PULL #3	3.36	3.40		
PULL #4	3.34	3.32		
PULL #5	3.35	3.32		
TOTAL	16.93	16.83		
AVG.	3.386	3.366		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.36		4.48
PULL #2	4.26	4.11		4.43
PULL #3	4.22	4.40		4.43
PULL #4	4.26	4.39		4.45
PULL #5	4.38	4.44		4.50
TOTAL	21.25	21.70		22.29
AVG.	4.25	4.34		4.458

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498729
29 May 1990

CENTROIDAL DISTANCES

0 TO	1	.543965
1 TO	2	.525
1 TO	3	.548894
1 TO	4	.690201
1 TO	5	.747268

1
345 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1034
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0236
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .106059

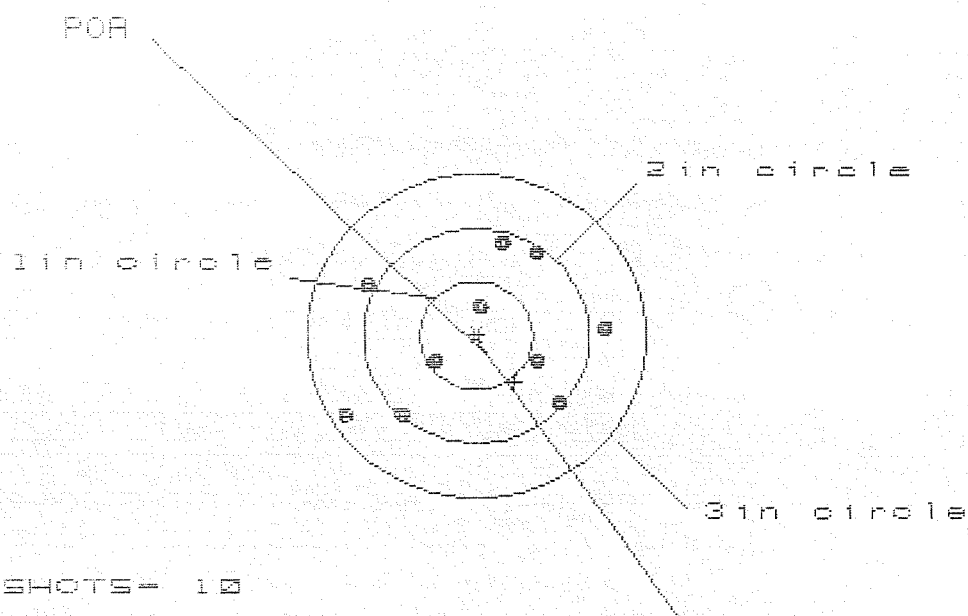
THE AMR FOR THIS RIFLE IS: .8682

25 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08498729

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.337

VS= 1.601

GS= 2.459

CENTROID *

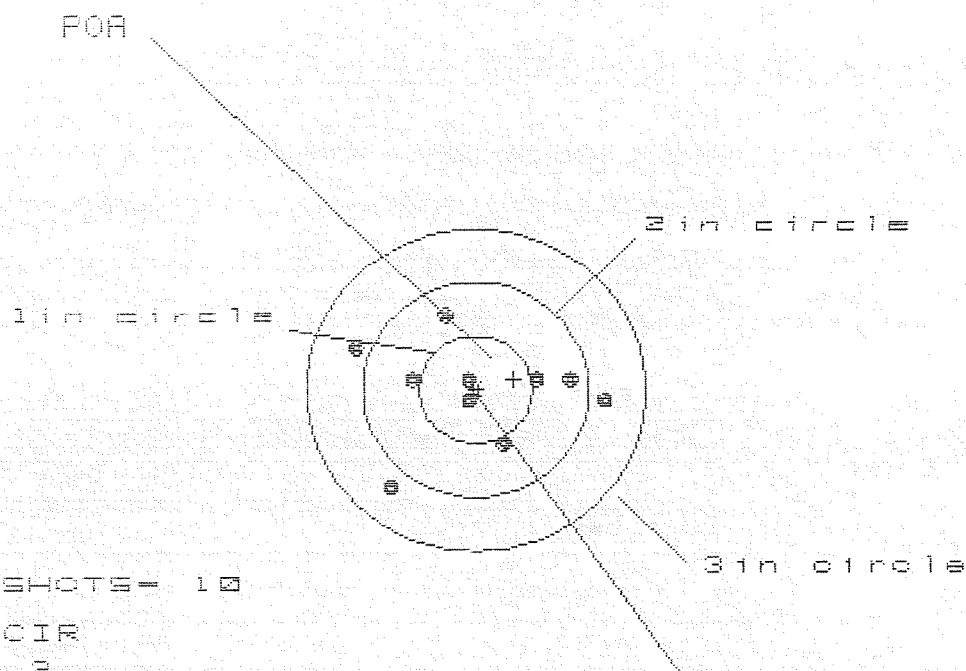
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.132	.999	.742
MINIMUM X	-1.205	-1.084	-.960
MAXIMUM Y	.891	.815	.814
MINIMUM Y	-.710	-.786	-.787
CENTROID X	-.337	-.204	-.328
CENTROID Y	.427	.503	.504
POA TO CENTROID in.	.544	.543	.601
MIN RADIUS	.231	.189	.153
MEAN RADIUS	.866	.792	.760
MAX RADIUS	1.389	1.157	1.060
HORIZONTAL SPREAD	2.337	2.083	1.702
VERTICAL SPREAD	1.601	1.601	1.601
EXTREME SPREAD	2.459	2.122	2.015
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

25 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CG49B729

CENTERFIRE PATTERNS

2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.141

VS= 1.616

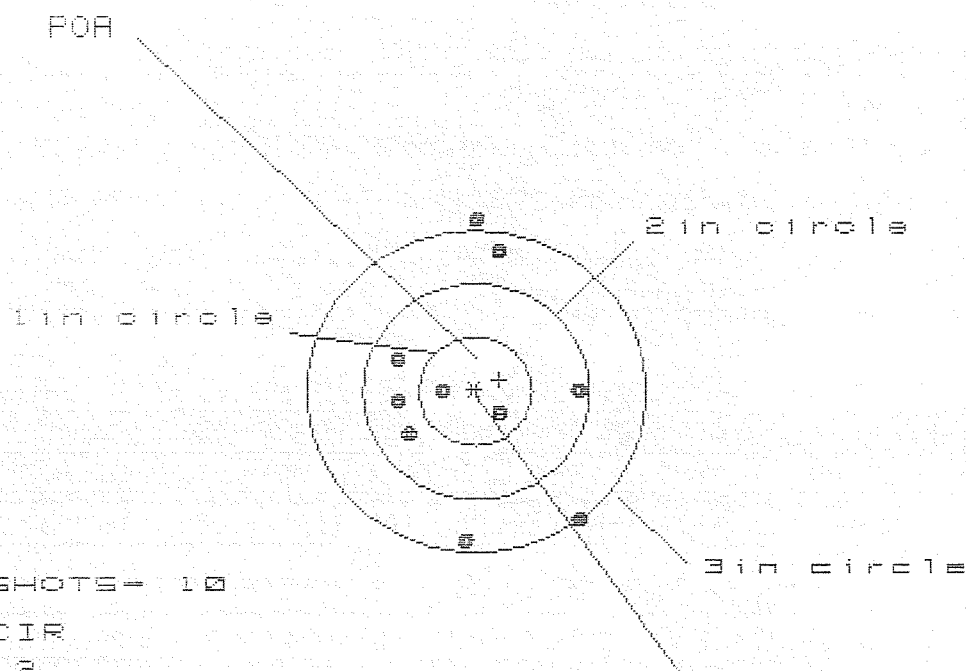
GS= 2.197

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.104	1.024	.884
MINIMUM X	-1.037	-1.117	-.824
MAXIMUM Y	.726	.627	.669
MINIMUM Y	-.890	-.575	-.533
CENTROID X	-.337	-.257	-.117
CENTROID Y	-.098	.001	-.041
POA TO CENTROID in.	.351	.257	.124
MIN RADIUS	.130	.134	.280
MEAN RADIUS	.697	.648	.580
MAX RADIUS	1.147	1.167	.892
HORIZONTAL SPREAD	2.141	2.141	1.708
VERTICAL SPREAD	1.616	1.202	1.202
EXTREME SPREAD	2.197	2.197	1.715
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

29 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6438729

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 1.660

VS= 2.961

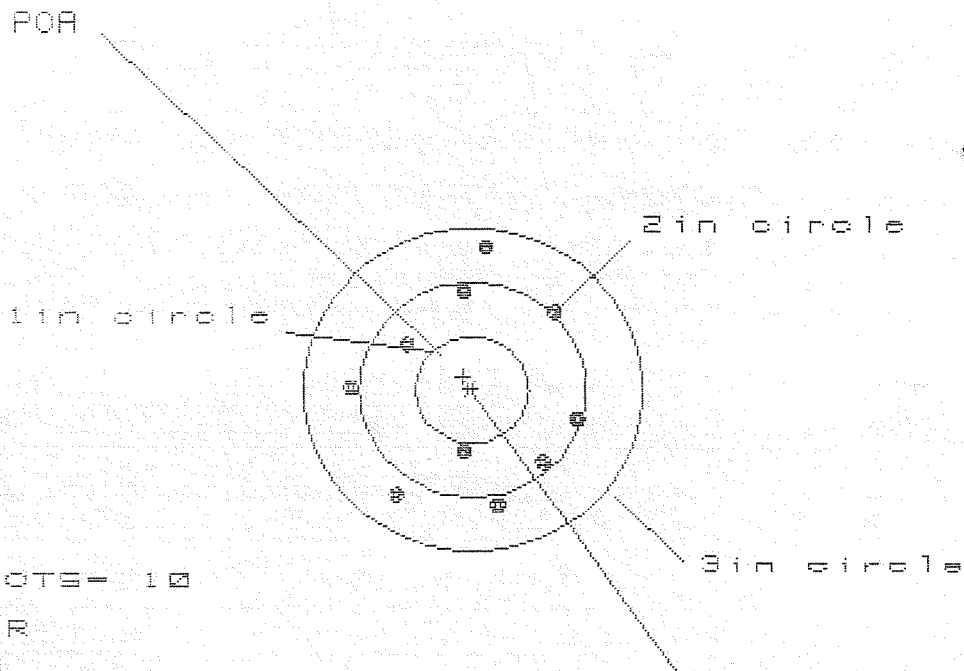
GS= 2.963

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.955	.960	.998
MINIMUM X	-.706	-.700	-.580
MAXIMUM Y	1.594	1.459	1.333
MINIMUM Y	-1.367	-1.190	-1.316
CENTROID X	-.210	-.215	-.335
CENTROID Y	-.107	-.284	-.158
POA TO CENTROID in.	.235	.357	.371
MIN RADIUS	.270	.248	.156
MEAN RADIUS	.943	.858	.762
MAX RADIUS	1.595	1.472	1.369
HORIZONTAL SPREAD	1.660	1.660	1.578
VERTICAL SPREAD	2.961	2.649	2.649
EXTREME SPREAD	2.963	2.659	2.659
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

25 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498729

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 10

HS= 1.955

VS= 2.325

GS= 2.385

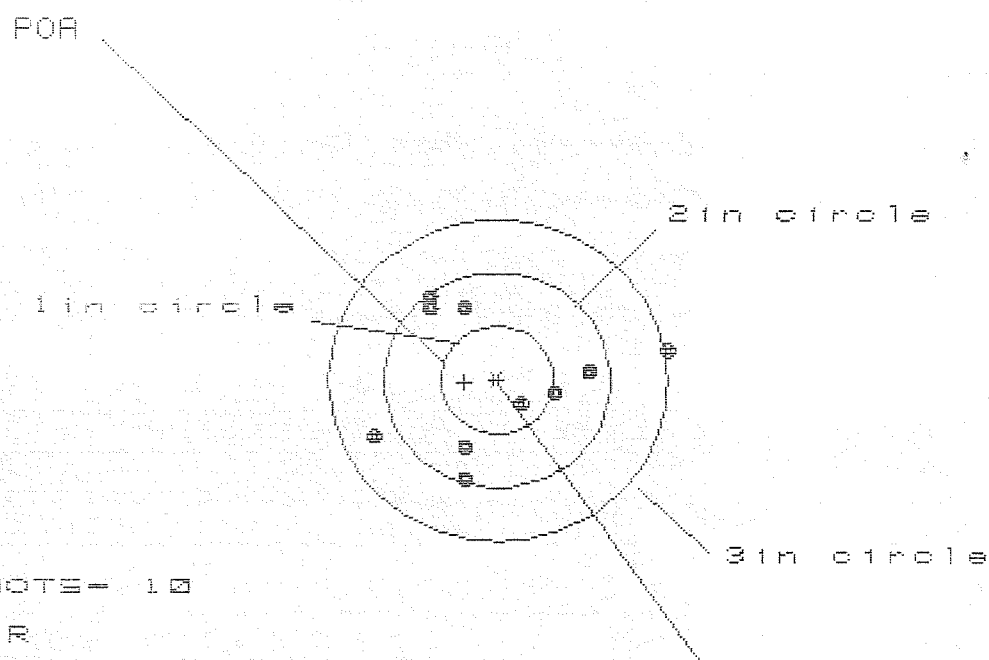
CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.875	.890	.803
MINIMUM X	:	-1.080	-1.065	-1.152
MAXIMUM Y	:	1.289	1.103	1.003
MINIMUM Y	:	-1.036	-.893	-.993
CENTROID X	:	.076	.061	.148
CENTROID Y	:	-.126	-.269	-.169
POA TO CENTROID in.	:	.147	.276	.225
MIN RADIUS	:	.549	.405	.524
MEAN RADIUS	:	.969	.914	.896
MAX RADIUS	:	1.296	1.130	1.158
HORIZONTAL SPREAD	:	1.955	1.955	1.955
VERTICAL SPREAD	:	2.325	1.996	1.996
EXTREME SPREAD	:	2.385	2.189	2.013
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

28 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B729

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 3.510

VS= 1.743

GS= 2.754

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.550	.938	.827
MINIMUM X	-1.060	-.887	-.539
MAXIMUM Y	.816	.851	.785
MINIMUM Y	-.927	-.892	-.958
CENTROID X	.291	.118	.229
CENTROID Y	.022	-.013	.053
POA TO CENTROID in.	.291	.119	.235
MIN RADIUS	.349	.469	.415
MEAN RADIUS	.866	.786	.740
MAX RADIUS	1.582	1.033	.978
HORIZONTAL SPREAD	2.610	1.825	1.366
VERTICAL SPREAD	1.743	1.743	1.743
EXTREME SPREAD	2.754	1.932	1.770
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	