

C6349183

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

start [taskbar icons] nagleg 1/5/2004 9:12 AM CAPS NUM INS SOL

Model: 700



RE00074628

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349183.__0
FILE DATE AND TIME: 01/22/2004 10:16

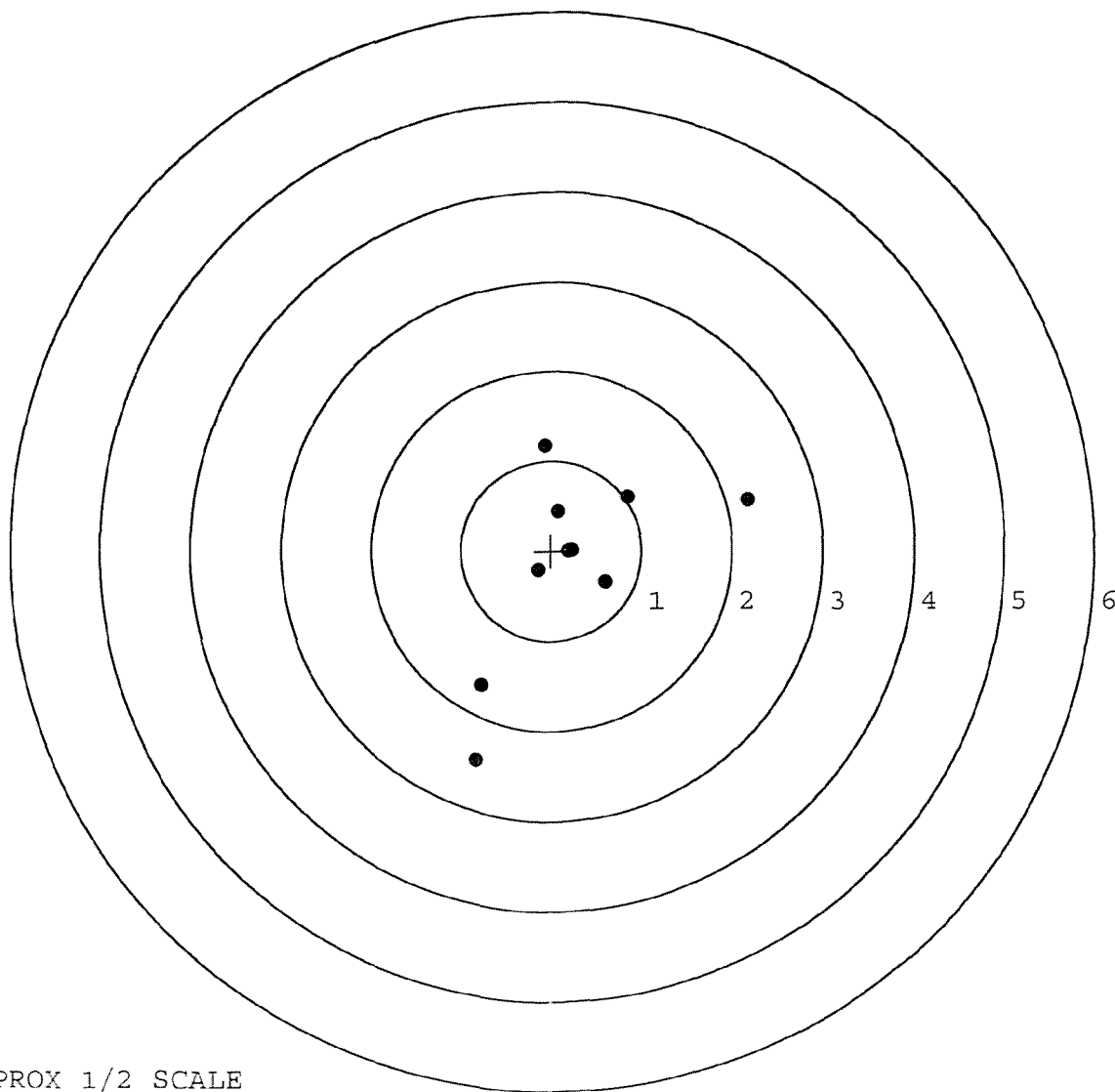
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.194
The Average Y Centroid of the Five Target Set:	-0.122
The Average Point of Impact of the Five Target Set:	0.229
The Average Mean Radius of the Five Target Set:	0.836
The Distance from POA to Centroid Target #1:	0.284
The Distance from Centroid Target #2 to Centroid Target #1:	0.026
The Distance from Centroid Target #3 to Centroid Target #1:	0.300
The Distance from Centroid Target #4 to Centroid Target #1:	0.137
The Distance from Centroid Target #5 to Centroid Target #1:	0.191

SERIAL NUMBER: C6349183. __0
TARGET NUMBER: 1
FILE DATE: 01/22/2004
FILE TIME: 10:16

POINT#	X	Y
1:	-0.068	1.167
2:	0.840	0.594
3:	2.171	0.566
4:	0.234	0.001
5:	0.605	-0.349
6:	-0.142	-0.219
7:	-0.768	-1.494
8:	-0.829	-2.333
9:	0.077	0.435
10:	0.197	-0.009

X CENTROID: 0.232
Y CENTROID: -0.164
POA TO CENTROID: 0.284
HORZ SPREAD: 3.000
VERT SPREAD: 3.500
GROUP SPREAD: 4.172
MIN RADIUS: 0.159
MAX RADIUS: 2.414
MEAN RADIUS: 1.022
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 7

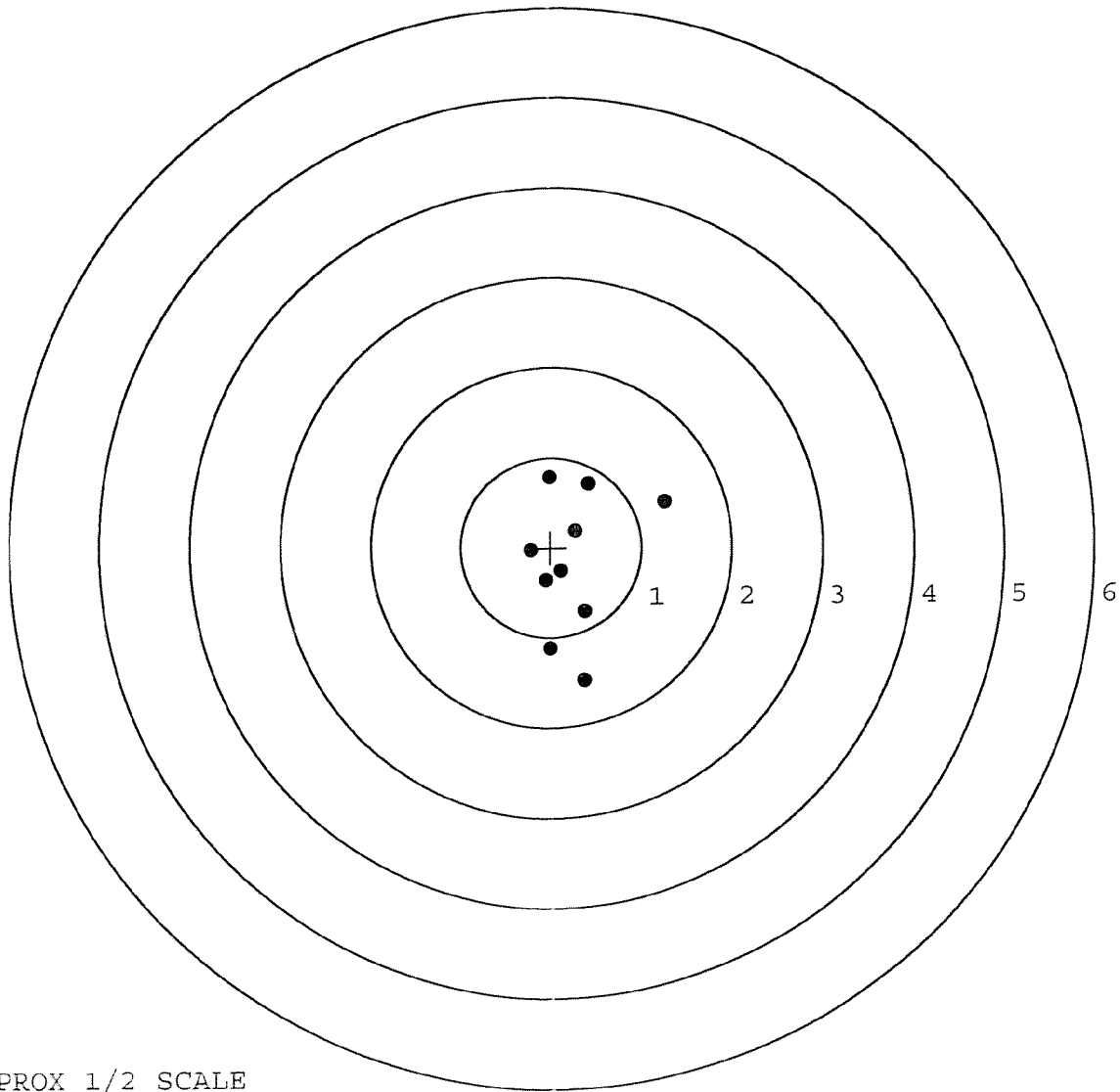


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349183. __0
TARGET NUMBER: 2
FILE DATE: 01/22/2004
FILE TIME: 10:16

X CENTROID: 0.252
Y CENTROID: -0.181
POA TO CENTROID: 0.310
HORZ SPREAD: 1.480
VERT SPREAD: 2.266
GROUP SPREAD: 2.298
MIN RADIUS: 0.161
MAX RADIUS: 1.308
MEAN RADIUS: 0.736
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.011	0.783
2:	0.424	0.711
3:	1.256	0.505
4:	0.373	-1.483
5:	-0.009	-1.132
6:	0.374	-0.715
7:	0.115	-0.265
8:	-0.056	-0.371
9:	-0.224	-0.029
10:	0.277	0.186

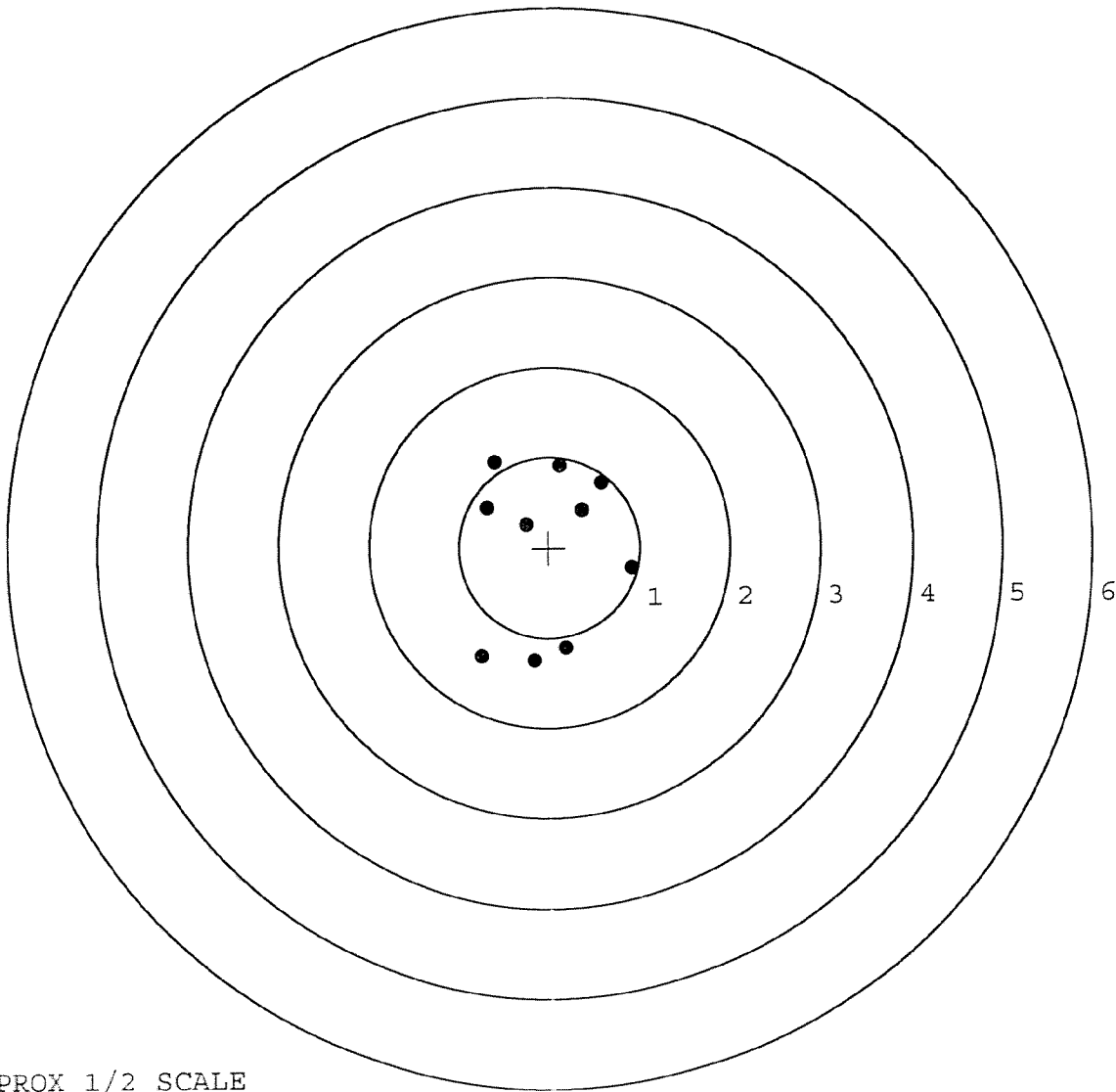


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349183. __0
TARGET NUMBER: 3
FILE DATE: 01/22/2004
FILE TIME: 10:16

X CENTROID: -0.028
Y CENTROID: -0.014
POA TO CENTROID: 0.031
HORZ SPREAD: 1.667
VERT SPREAD: 2.209
GROUP SPREAD: 2.336
MIN RADIUS: 0.353
MAX RADIUS: 1.397
MEAN RADIUS: 0.947
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.132	0.904
2:	-0.594	0.951
3:	-0.684	0.445
4:	-0.252	0.259
5:	0.583	0.708
6:	0.371	0.407
7:	0.910	-0.230
8:	0.184	-1.119
9:	-0.170	-1.258
10:	-0.757	-1.206

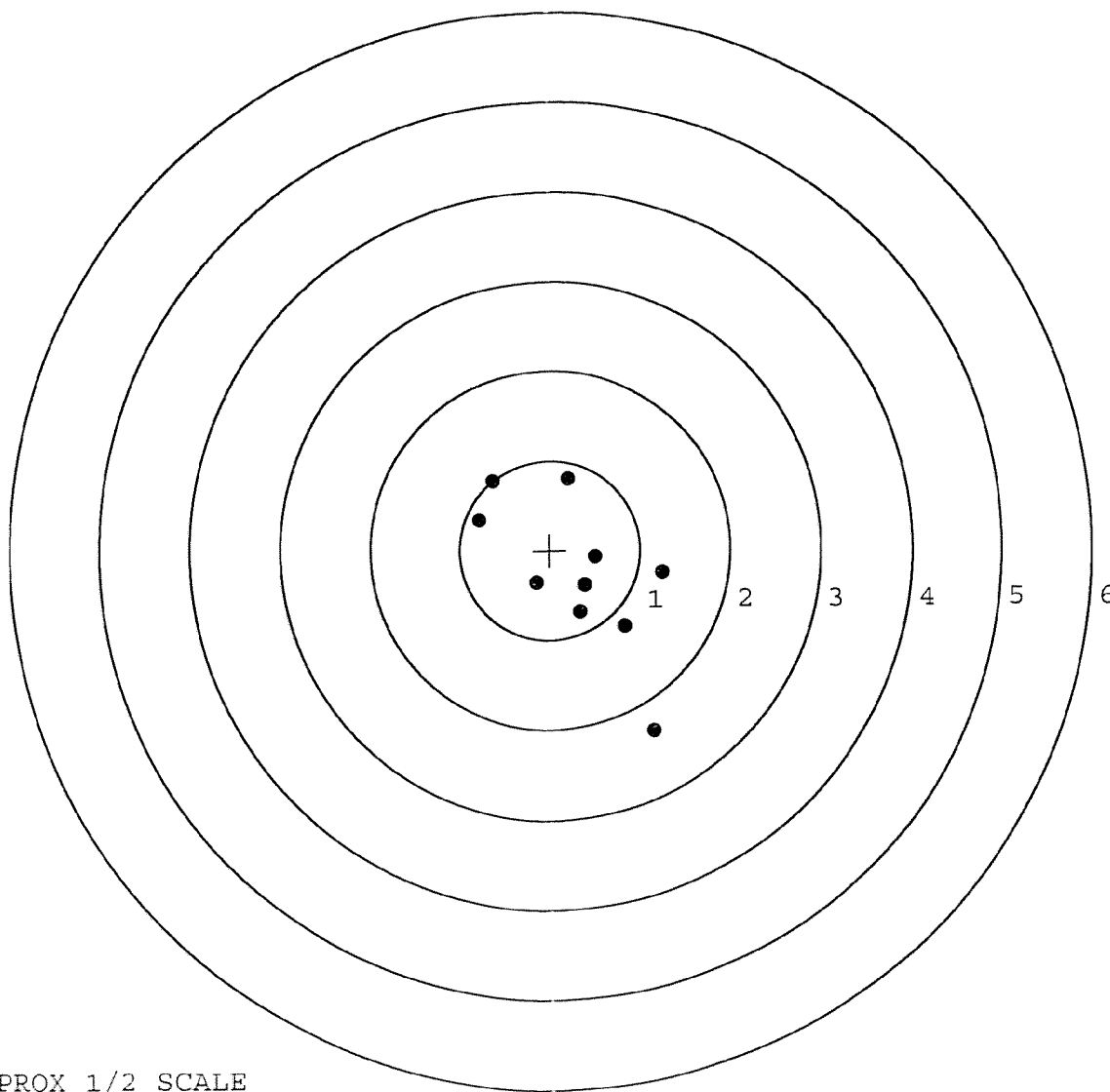


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349183. __0
TARGET NUMBER: 4
FILE DATE: 01/22/2004
FILE TIME: 10:16

POINT#	X	Y
1:	0.212	0.798
2:	-0.627	0.775
3:	-0.783	0.337
4:	0.500	-0.085
5:	0.391	-0.399
6:	0.336	-0.695
7:	-0.153	-0.366
8:	0.828	-0.857
9:	1.244	-0.257
10:	1.143	-2.023

X CENTROID: 0.309
Y CENTROID: -0.277
POA TO CENTROID: 0.415
HORZ SPREAD: 2.027
VERT SPREAD: 2.821
GROUP SPREAD: 3.311
MIN RADIUS: 0.147
MAX RADIUS: 1.935
MEAN RADIUS: 0.870
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349183. __0

TARGET NUMBER: 5

FILE DATE: 01/22/2004

FILE TIME: 10:16

POINT#	X	Y
1:	0.004	1.141
2:	0.270	0.485
3:	0.759	0.179
4:	0.945	-0.035
5:	0.314	0.095
6:	0.643	-0.074
7:	-0.051	-0.337
8:	0.023	-0.578
9:	-0.405	-0.133
10:	-0.477	-0.492

X CENTROID: 0.203

Y CENTROID: 0.025

POA TO CENTROID: 0.204

HORZ SPREAD: 1.422

VERT SPREAD: 1.719

GROUP SPREAD: 1.719

MIN RADIUS: 0.132

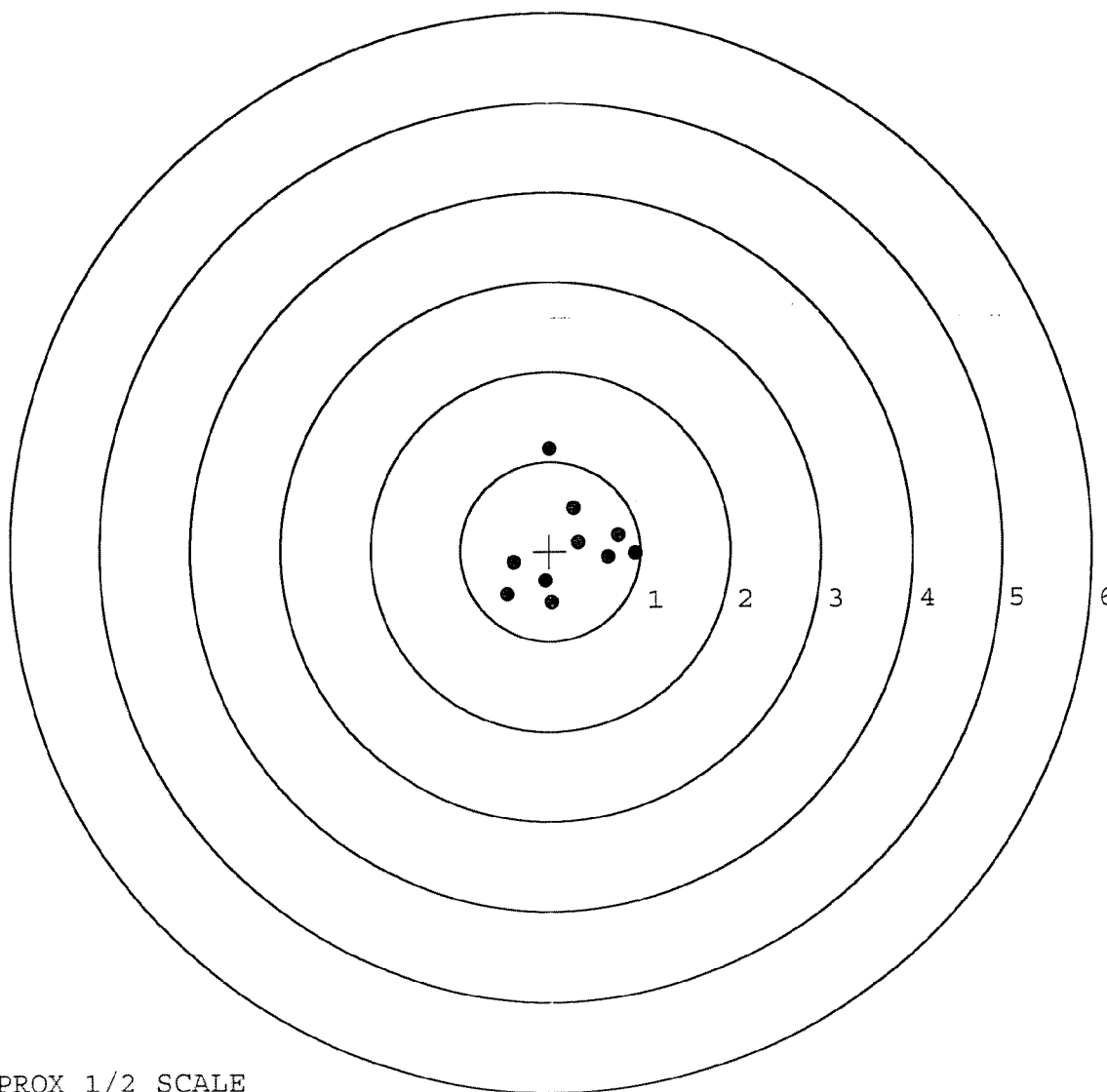
MAX RADIUS: 1.133

MEAN RADIUS: 0.606

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	74628		
SERIAL NUMBER	C6349183		
LOG-IN DATE	74628		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-05-04	RTL
560 A	RE-BARREL	1-7-04	RTL
B	DRILL AND TAP	1-9-04	TRW
575	ASSEMBLE MAGNA-FLUX	1-8-04	RTL
600	PROOF INSPECTED	1-8-04	RW
605	CHECK HEADSPACE	1-8-04	RW
610	DIS-ASSEMBLE GUN	1-8-04	RW
612	MAGNAFLUX		
615	ROLLMARK CALIBER	1-13-04	AB
618	ROTO-BLAST	1/13/2004	Dans
620	APPLY COATINGS	1-15	DA
625 A	FINAL ASSEMBLY	1-19-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-22-04	A
655	FINAL INSPECT	1-22-04	RW
660	PACK	1-26-04	DA
		SHIP DATE	
	QAR INSPECTION DATE		

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MAINTENANCE REQUEST				PAGE NO.	NO. OF PAGES	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
SECTION I - EQUIPMENT DATA									
CONTROL NUMBER		WORK ORDER NO.		WESDC		ORG. PD		PD AUTHENTICATION	
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION B co 3/5 SFG		B. LOCATION Ft. Campbell Ky 42223			C. UNIT IDENT CODE WH06B0		
2. SERIAL NO. C6349183		3. NOUN NOMENCLATURE 7.62 mm M24 SWS		4. LINE NO.		5. MODEL M24		6. NATIONAL STOCK NUMBER 1005-01-240-2136	
7A. MAINTENANCE ACTIVITY IMO		B. LEVEL		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)		15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)							
☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☐ D Normal Op ☐ F Inspection ☒ H Other		☐ 069 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) RND CNT OVER 5,000 RNDs									
B. REMARKS									
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>Tommy J. Williams</i>		24. RECEIVED BY							
JULIAN DATE		JULIAN DATE							

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MAINTENANCE REQUEST					PAGE NO.	NO OF PAGES	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		
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION <i>B Co 3/5 SFG</i>			B. LOCATION <i>Ft. Campbell Ky 42223</i>			C. UNIT IDENT CODE <i>WH06B0</i>			
2. SERIAL NO. <i>C6349183</i>		3. NOUN NOMENCLATURE <i>7.62 mm M24 SWS</i>			4. LINE NO.		5. MODEL <i>M24</i>		6. NATIONAL STOCK NUMBER <i>1005-01-240-2136</i>		
7A. MAINTENANCE ACTIVITY <i>IMO</i>		B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)					15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)						
☐ A Sch. Main.		☐ C Test	☐ E Storage	☐ G Flight	☐ 068 Inoperative		☐ 258 Overheating		☐ 790 Out of Adjustment		
☐ B Handling		☐ D Normal Op	☐ F Inspection	☒ H Other	☐ 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). <i>RND CNT OVER 5,000 RNDs</i>											
B. REMARKS											
SECTION II - WORK ACCOMPLISHED											
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)			19. AMS ACCT. CODE		
B. LOCATION						☐ 1 TOE ☐ 2 TD ☐ 3 Contractor					
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER		F. PART SOURCE CODE	G. QTY.	H. PARTS COST	
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE							
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					I. TOTAL MANHOURS		J. TOTAL MANHOURS COST \$		K. TOTAL PARTS COST \$		
21. DELAY (Select One)					☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools		22.		Data Transcribed		
23. SUBMITTED BY <i>[Signature]</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)	
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged	

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400109639

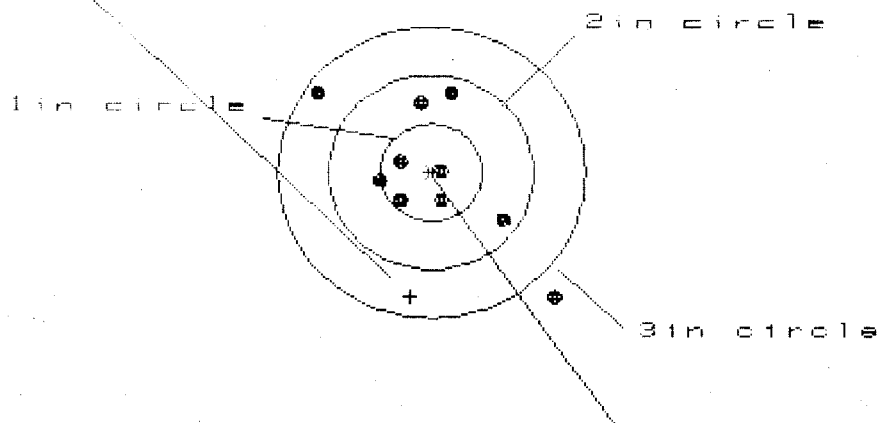
2/13/96

13 Jan 1988

FILE: PATTERNING/CENTERFIRE_PATT/05345183

CENTERFIRE PATTERNS # 1

FOR



OF SHOTS - 10

IN CIR

1in = 4

2in = 8

3in = 9

RE = 2.347

VS = 2.055

ES = 3.120

CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.223	.837	.713
MINIMUM X	-1.124	-.988	-.537
MAXIMUM Y	.804	.665	.731
MINIMUM Y	-1.251	-.656	-.573
CENTROID X	.202	.066	.190
CENTROID Y	1.281	1.420	1.337
FOR TO CENTROID in.	1.297	1.422	1.350
MIN RADIUS	.126	.164	.150
MEAN RADIUS	.729	.609	.523
MAX RADIUS	1.749	1.191	.915
HORIZONTAL SPREAD	2.347	1.825	1.250
VERTICAL SPREAD	2.055	1.321	1.004
EXTREME SPREAD	3.120	2.253	1.505
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

Previous
AMR
.7498



MODEL 700™ H24

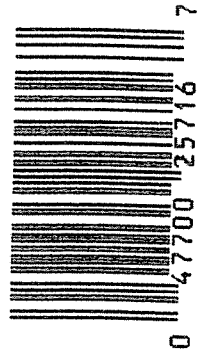
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.



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

SERIAL NO. C6349183	ORDER NO. 5716
------------------------	-------------------

UPC



5716 C6349183

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349183

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 31	90	RW
600	Proof	3 31	90	RW
607	Check Headspace	3 31	90	RW
610	Dis-assemble Gun	3 31	90	RW
612	Magnaflux Barrel Action	4-2-90		KCR
	Magnaflux Bolt	4-2-90		KCR
615	Rollmark Caliber	4-2-90		JS
617	Drill and Tap Sight Holes		4/4/90	FB
618	Polish Barrel RB		4/5/90	WB
620	Apply Coatings (Barrel Action)		4/9/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/4/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/4/90	JH
	G) Safety Off Force	2	2	2			5/4/90	JH
	H) Trigger Pull Test & Retainability						5/4/90	JH
	I) Firing Pin Indent	.020	.020	.020			5/4/90	JH
	J) Assemble Stock						5/8/90	RW
	K) Assemble Swivel Studs						5/10/90	WB
	L) Attach Front and Rear Sight Assemblies						5/8/90	RW
	M) Iron Sight Alignment						5/8/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/8/90	RW
	O) Attach Scope to Rifle						5/8/90	JH
	P) Detach & Attach Scope 20 Times						5/8/90	JH
640	Gallery Target & Test						5-8-90	DH
	A) Time						5-8-90	DH
	B) Malfunctions						5-8-90	DH
	C) Pierced Primers						5-8-90	DH
	D) Optical Clarity of Scope						5-8-90	DH
645	Inspect for Live Ammo						5-8-90	DH
655	Final Inspection A) Headspace						5/10/90	WB
	B) Trigger Pull	2.76	2.76	2.78	2.53	2.77	5/9/90	WB
	C) Function						5/10/90	WB
660	Pack						6-20-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6349183

DATE 5/4/90

TESTER JAC

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.37	2.40	2.76	MIN. SETTING,
PULL #2	2.44	2.47	2.36	2.76	NO AVG. OF 5
PULL #3	2.39	2.23	2.44	2.78	READINGS ACCEPT-
PULL #4	2.51	2.36	2.35	2.53	ABLE LESS THAN 2#
PULL #5	2.43	2.43	2.30	2.77	
TOTAL	12.27	11.86	11.85		
AVG.	2.454	2.372	2.37		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.59	3.45		
PULL #2	3.53	3.27		
PULL #3	3.48	3.50		
PULL #4	3.49	3.47		
PULL #5	3.50	3.44		
TOTAL	17.59	17.13		
AVG.	3.518	3.426		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.15		4.51
PULL #2	4.26	4.44		4.51
PULL #3	4.25	4.43		4.52
PULL #4	4.30	4.55		4.49
PULL #5	4.25	4.47		4.49
TOTAL	21.33	22.04		22.52
AVG.	4.266	4.408		4.504

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349183
9 May 1998

CENTROIDAL DISTANCES

0 TO	1	.149
1 TO	2	.179011
1 TO	3	.109659
1 TO	4	.306243
1 TO	5	.0385876

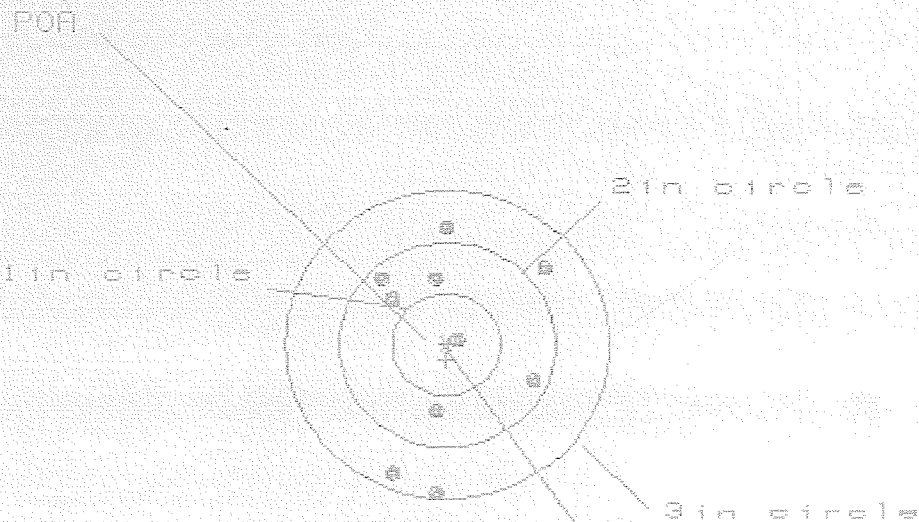
✱ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0698
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0934
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .116004
THE AMR FOR THIS RIFLE IS: .7498

9 May 1998

FILE: \PATTERNING\CENTERFIRE_PATT\ C6349183

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS = 1.475

VS = 2.500

GS = 2.501

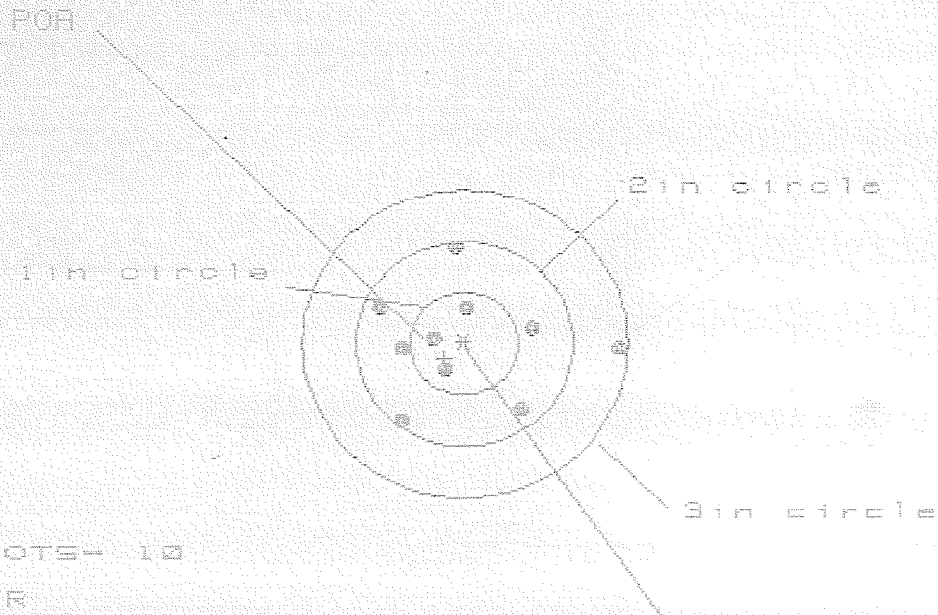
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.903	.698	.834
MINIMUM X	-.572	-.577	-.641
MAXIMUM Y	1.101	.946	.773
MINIMUM Y	-1.399	-1.385	-.988
CENTROID X	-.000	.005	.069
CENTROID Y	.149	.304	.477
POA TO CENTROID in.	.149	.304	.482
MIN RADIUS	.152	.163	.276
MEAN RADIUS	.888	.808	.708
MAX RADIUS	1.400	1.475	1.002
HORIZONTAL SPREAD	1.475	1.475	1.475
VERTICAL SPREAD	2.500	2.331	1.761
EXTREME SPREAD	2.501	2.404	1.765
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

9 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/ C6349183

CENTERFIRE PATTERNS # 2



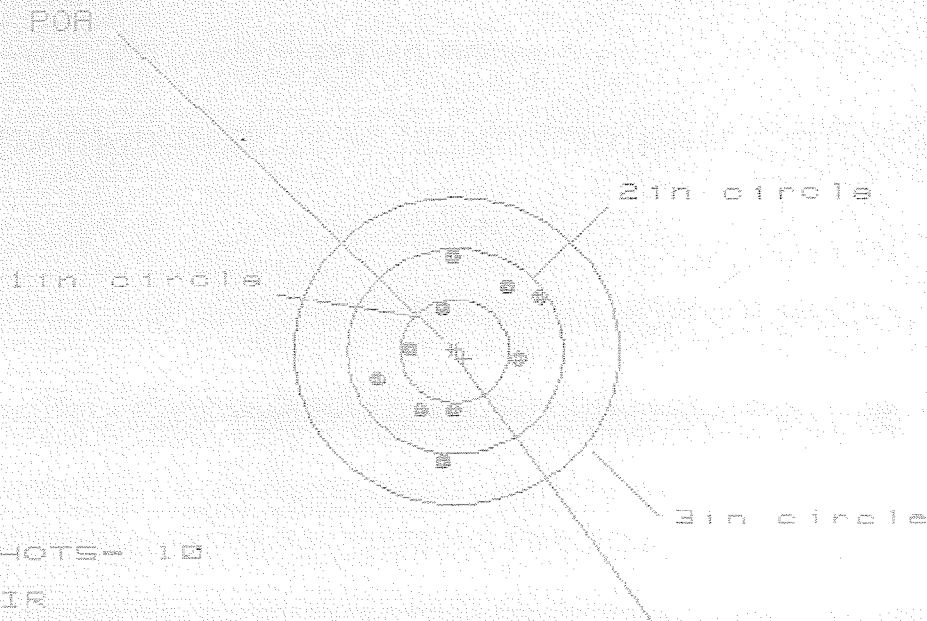
OF SHOTS- 10
IN CIR
1in = 3
2in = 9
3in = 10
HS= 2.246
VS= 1.645
GS= 2.271

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.421	.747	.756
MINIMUM X	-.825	-.667	-.658
MAXIMUM Y	.918	.906	.454
MINIMUM Y	-.735	-.739	-.625
CENTROID X	.179	.021	.012
CENTROID Y	.147	.151	.037
POA TO CENTROID in.	.232	.152	.039
MIN RADIUS	.293	.150	.145
MEAN RADIUS	.718	.608	.566
MAX RADIUS	1.422	.963	.890
HORIZONTAL SPREAD	2.246	1.414	1.414
VERTICAL SPREAD	1.645	1.645	1.079
EXTREME SPREAD	2.271	1.712	1.663
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

8 May 1998

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 9

3in = 10

HS= 1.536

VS= 1.961

GS= 1.965

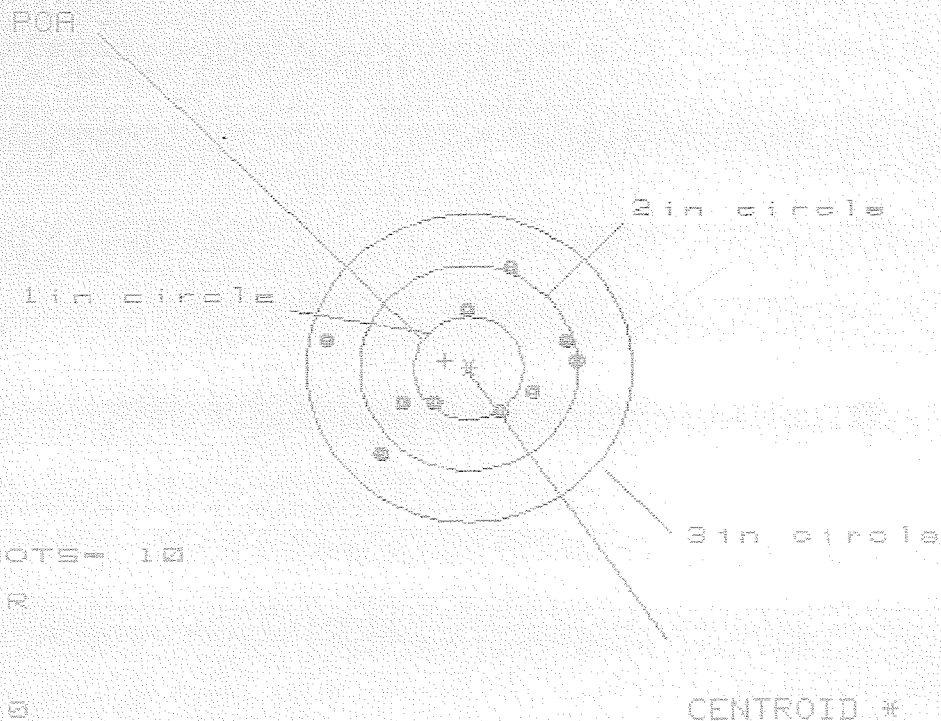
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.791	.773	.679
MINIMUM X	:	-.745	-.763	-.656
MAXIMUM Y	:	.896	.778	.826
MINIMUM Y	:	-1.065	-.683	-.635
CENTROID X	:	-.080	-.062	-.159
CENTROID Y	:	.074	.192	.144
POA TO CENTROID in	:	.109	.202	.214
MIN RADIUS	:	.405	.312	.326
MEAN RADIUS	:	.711	.662	.624
MAX RADIUS	:	1.077	.865	.828
HORIZONTAL SPREAD	:	1.536	1.536	1.345
VERTICAL SPREAD	:	1.961	1.461	1.461
EXTREME SPREAD	:	1.965	1.704	1.483
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	9		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS # 4



+ OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.302

VS= 1.795

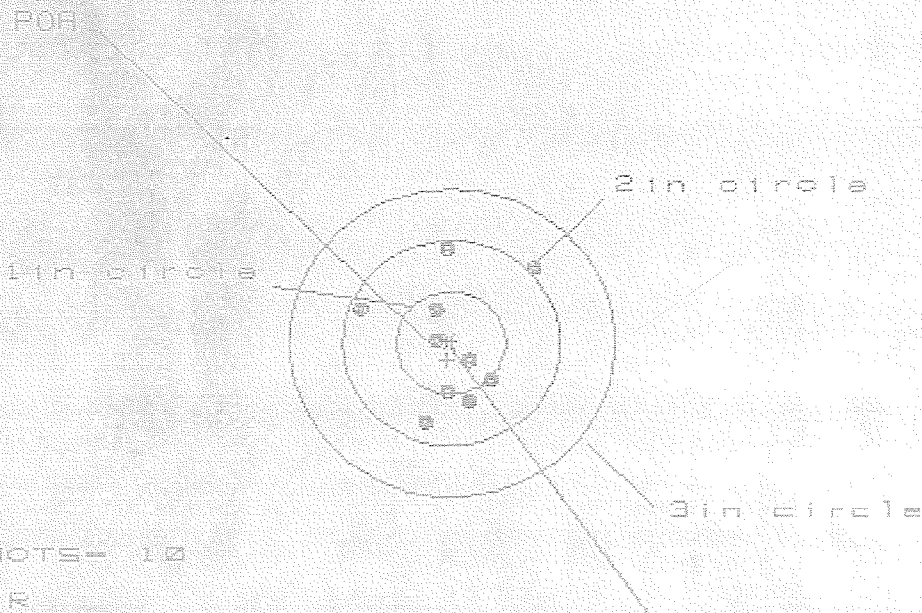
ES= 2.315

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.967	.819	.704
MINIMUM X	-1.335	-.916	-.896
MAXIMUM Y	.908	1.018	.921
MINIMUM Y	-.807	-.777	-.454
CENTROID X	.212	.360	.475
CENTROID Y	-.072	-.102	-.005
POA TO CENTROID in.	.224	.374	.475
MIN RADIUS	.477	.380	.402
MEAN RADIUS	.822	.742	.673
MAX RADIUS	1.362	1.201	.970
HORIZONTAL SPREAD	2.302	1.735	1.600
VERTICAL SPREAD	1.795	1.795	1.375
EXTREME SPREAD	2.315	2.149	1.665
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 10		

3 May 1990

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.571

VS= 1.737

GS= 1.823

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.789	.447	.453
MINIMUM X	:	-.882	-.717	-.711
MAXIMUM Y	:	.953	1.034	.586
MINIMUM Y	:	-.784	-.703	-.574
CENTROID X	:	.033	-.052	-.058
CENTROID Y	:	.169	.088	-.041
POB TO CENTROID in.	:	.172	.102	.071
MIN RADIUS	:	.165	.122	.214
MEAN RADIUS	:	.618	.544	.465
MAX RADIUS	:	1.059	1.035	.985
HORIZONTAL SPREAD	:	1.571	1.164	1.164
VERTICAL SPREAD	:	1.737	1.737	1.168
EXTREME SPREAD	:	1.823	1.750	1.393
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	