C6348811

MODEL 700™ M24

Model SWS ™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

M2400064748

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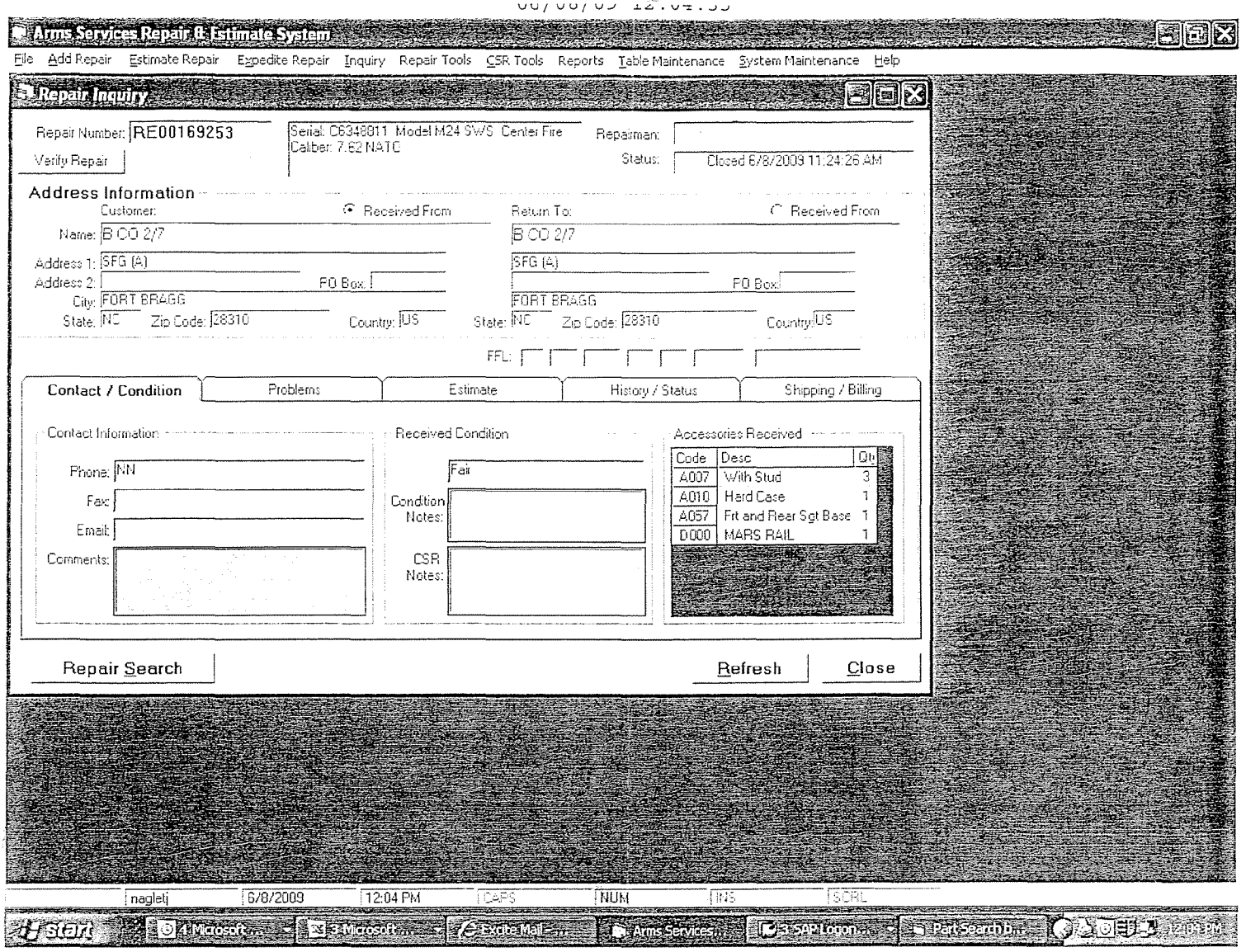
KINZER V. REMINGTON



Serial Number: C6348811

Model: M24 SWS

RE00169253

M-24
INSPECTION CHECKLIST - REPAIRS
CONTRACT #: W52H09-07-C-0207
ISSUED 10/1/2007

R & E NUMBER 169253
SERIAL NUMBER CL634881
LOG-IN DATE 6-8-09

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-9-09	RTL
505	RE-BARREL		6-11-09	RTL
420	ASSEMBLE		6-11-09	RTL
440	PROOF	MAGNA - FLUX	6-11-09	
460	CHECK HEADSPACE		6-11-09	
470	DIS-ASSEMBLE GUN		6-11-09	
480	MAGNAFLUX	OPERATOR	6/13/09	
510	DRILL AND TAP		6-12-09	
500	ROLLMARK CALIBER		6/16/09	RT
520	GOFF BLAST BBL / REC		6/16	
530 & 540	APPLY COATINGS		6/17	
560	FINAL ASSEMBLY		6-18-09	RTL
640	FUNCTION TEST AND	PASS FAIL	6/22/09	RB
650	TARGET	PASS FAIL	6/22/09	RB
	MALFUNCTION	CORRECTION	6/22/09	TAK
	MALFUNCTION	CORRECTION N/A		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION A) HEADSPACE	PASS FAIL	6-23-09	
	B) TRIGGER PULL (+/- .5 LBS, MIN 2.50 LBS, MAX 4.0 LBS)	2.54 2.58 2.60 2.50 2.62	6-23-09	
680	F) SAFETY ON FORCE (2 LBS MIN, 10 LBS MAX)	5.0 5.0 5.0	6-23-09	
	G) SAFETY OFF FORCE (2 LBS MIN)	6.0 6.0 6.0	6-23-09	
	I) FIRING PIN INDENT (.020)	.021 .021 .021	6-23-09	
690	PACK		6/23/09	

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348811.__0
FILE DATE AND TIME: 06/22/2009 15:01

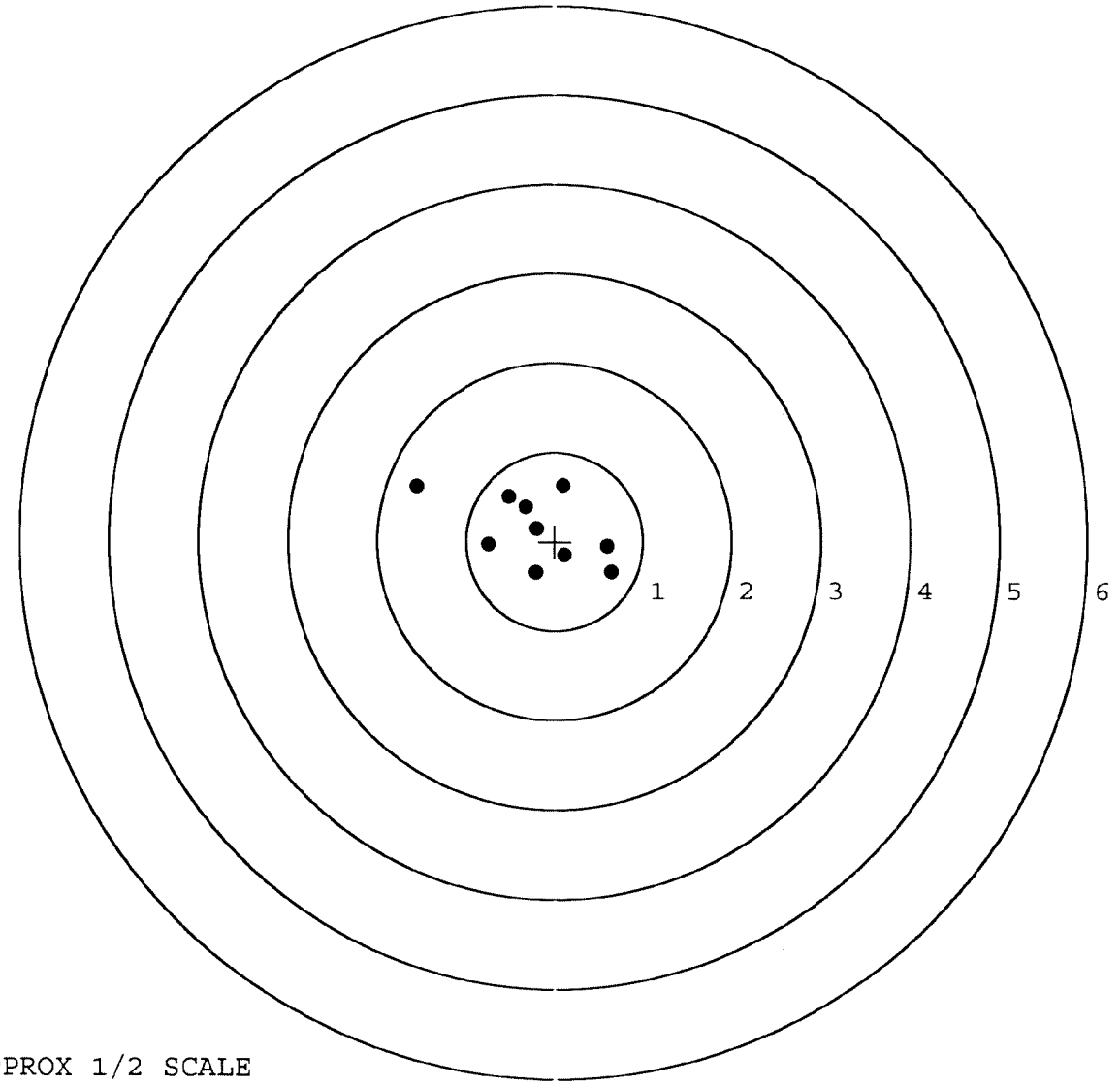
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.112
The Average Y Centroid of the Five Target Set:	0.014
The Average Point of Impact of the Five Target Set:	0.113
The Average Mean Radius of the Five Target Set:	0.504
The Distance from POA to Centroid Target #1:	0.252
The Distance from Centroid Target #2 to Centroid Target #1:	0.227
The Distance from Centroid Target #3 to Centroid Target #1:	0.098
The Distance from Centroid Target #4 to Centroid Target #1:	0.355
The Distance from Centroid Target #5 to Centroid Target #1:	0.257

SERIAL NUMBER: C6348811.__0
TARGET NUMBER: 1
FILE DATE: 06/22/2009
FILE TIME: 15:01

X CENTROID:	-0.214
Y CENTROID:	0.134
POA TO CENTROID:	0.252
HORZ SPREAD:	2.198
VERT SPREAD:	0.979
GROUP SPREAD:	2.397
MIN RADIUS:	0.009
MAX RADIUS:	1.425
MEAN RADIUS:	0.608
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.096	0.628
2:	-1.555	0.614
3:	-0.523	0.503
4:	-0.329	0.393
5:	-0.207	0.140
6:	-0.753	-0.034
7:	-0.217	-0.351
8:	0.108	-0.158
9:	0.643	-0.342
10:	0.599	-0.054

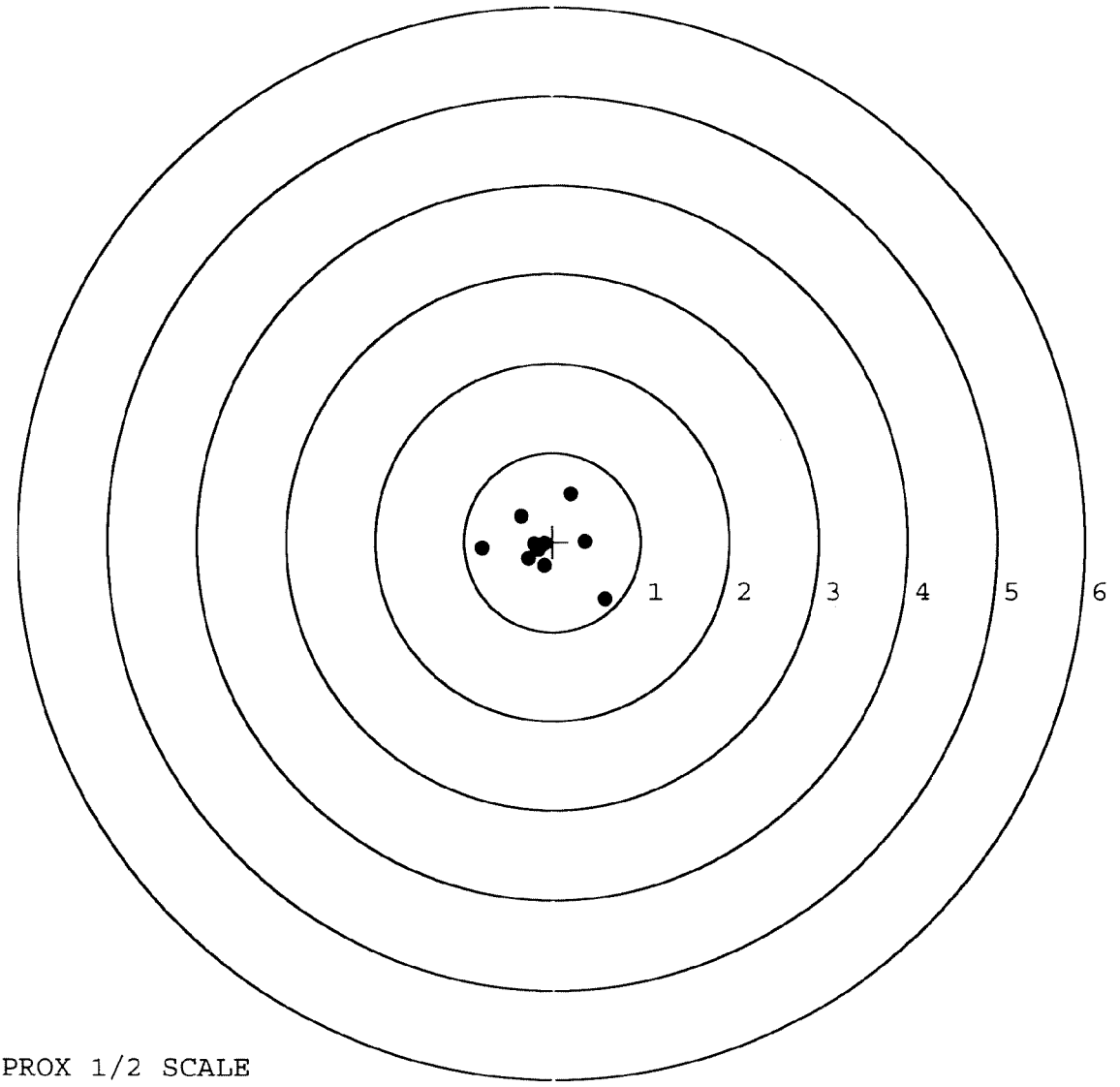


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348811.__0
TARGET NUMBER: 2
FILE DATE: 06/22/2009
FILE TIME: 15:01

X CENTROID:	-0.082
Y CENTROID:	-0.051
POA TO CENTROID:	0.096
HORZ SPREAD:	1.392
VERT SPREAD:	1.175
GROUP SPREAD:	1.501
MIN RADIUS:	0.028
MAX RADIUS:	0.898
MEAN RADIUS:	0.387
# IN 1 IN DIAMETER:	7
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.598	-0.638
2:	0.370	0.000
3:	0.210	0.537
4:	-0.355	0.283
5:	-0.794	-0.077
6:	-0.275	-0.192
7:	-0.099	-0.273
8:	-0.094	-0.026
9:	-0.211	-0.033
10:	-0.166	-0.090

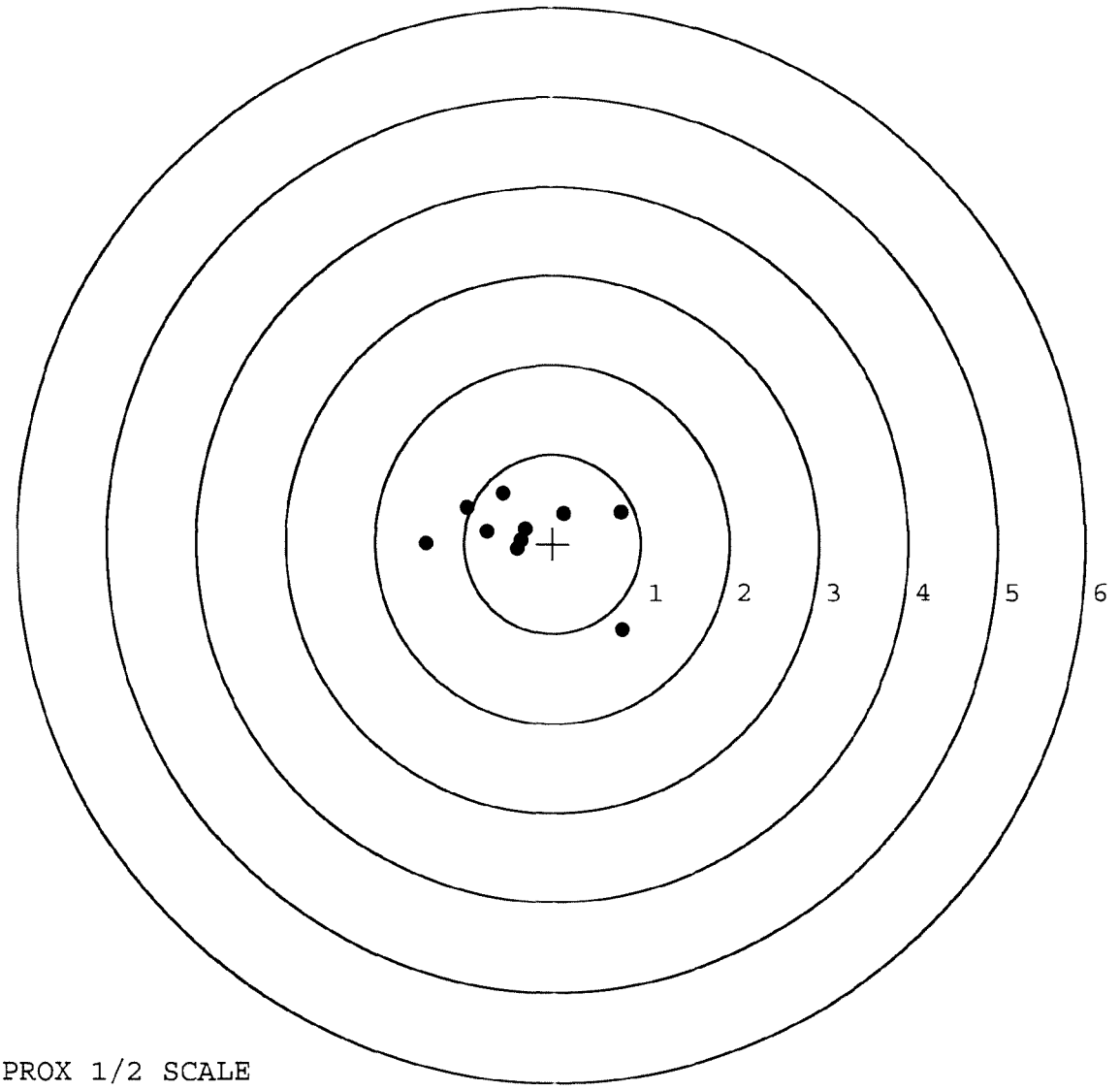


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348811.__0
TARGET NUMBER: 3
FILE DATE: 06/22/2009
FILE TIME: 15:01

X CENTROID:	-0.307
Y CENTROID:	0.102
POA TO CENTROID:	0.323
HORZ SPREAD:	2.225
VERT SPREAD:	1.536
GROUP SPREAD:	2.425
MIN RADIUS:	0.070
MAX RADIUS:	1.530
MEAN RADIUS:	0.633
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.786	0.356
2:	0.792	-0.964
3:	0.139	0.339
4:	-0.559	0.572
5:	-0.965	0.409
6:	-1.433	0.000
7:	-0.745	0.145
8:	-0.403	-0.057
9:	-0.366	0.045
10:	-0.311	0.172

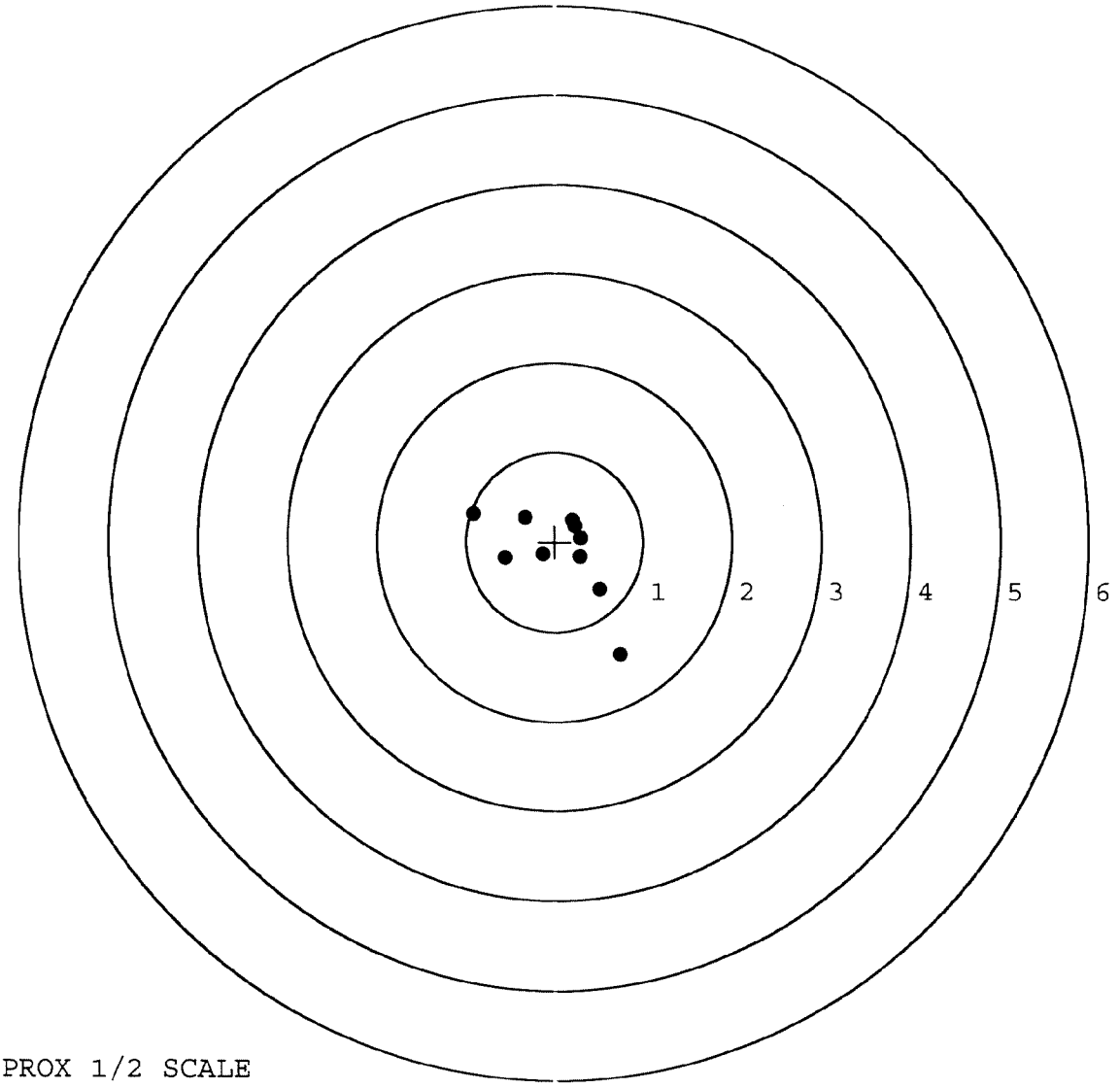


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348811.__0
TARGET NUMBER: 4
FILE DATE: 06/22/2009
FILE TIME: 15:01

X CENTROID:	0.031
Y CENTROID:	-0.123
POA TO CENTROID:	0.127
HORZ SPREAD:	1.665
VERT SPREAD:	1.567
GROUP SPREAD:	2.286
MIN RADIUS:	0.168
MAX RADIUS:	1.341
MEAN RADIUS:	0.566
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.919	0.310
2:	-0.337	0.272
3:	-0.565	-0.180
4:	-0.136	-0.140
5:	0.746	-1.257
6:	0.509	-0.531
7:	0.287	-0.173
8:	0.296	0.046
9:	0.201	0.244
10:	0.228	0.179

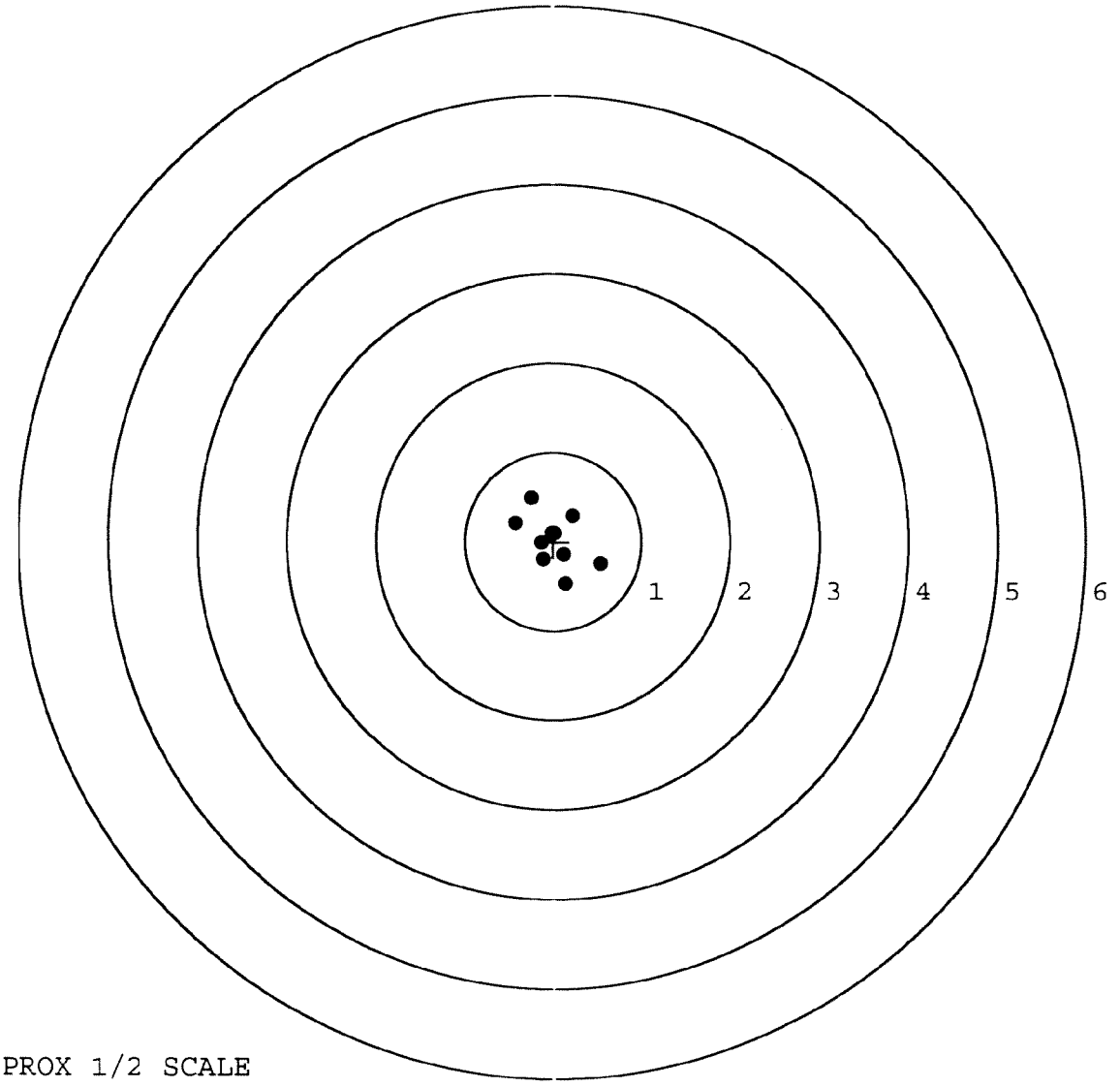


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348811.__0
TARGET NUMBER: 5
FILE DATE: 06/22/2009
FILE TIME: 15:01

X CENTROID:	0.010
Y CENTROID:	0.009
POA TO CENTROID:	0.013
HORZ SPREAD:	0.962
VERT SPREAD:	0.970
GROUP SPREAD:	1.079
MIN RADIUS:	0.087
MAX RADIUS:	0.586
MEAN RADIUS:	0.324
# IN 1 IN DIAMETER:	7
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.247	0.493
2:	-0.427	0.207
3:	0.226	0.289
4:	0.535	-0.251
5:	0.143	-0.477
6:	0.122	-0.151
7:	-0.117	-0.203
8:	-0.134	-0.016
9:	0.015	0.096
10:	-0.014	0.100



TARGET APPROX 1/2 SCALE

RECEIVING AND ESTIMATING REPORT

COMMENTS: M24

ORDER: R 96-13368

INITIAL	CUSTOMER ORDER NO.
FPS	11348

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE	
05/30/96	05/30/96	PJ 6-89	C6348811		700 7.62	NATO

ACCESSORIES: W/STUDS SCOPE BASE

FROM:

DEPT OF THE ARMS
HSC, 2ND. BN 7TH SFG (A)
FT BRAGG NC 28307

SHIP TO:

DEPT OF THE ARMS
HSC, 2ND. BN 7TH SFG (A)
FT BRAGG NC
28307

CUST NO:143691 C.O.D

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA
					DOOR

GUN CONDITION
- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE	
EXCISE	
TAX	
INSURANCE	
UPS	
PARCEL POST	
TOTAL	

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS

Barrel — 96003
Mag Spring — 15677

COMMENTS

Repowder Coat Trigger Guard ASSY
Front & Rear Sight Bases
Re Zinc Scope Base & Swivel
Studs

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW	RW				

GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
	6/6/96	6/18/96	6/18/96	6/18/96	

OFFICE COPY

RD6925 REV. 1/94

RD-6947-Rev 3

PAYMENT:
Mastercard / Visa *(circle one)*
Card #:_____
Exp. Date:_____
Signature_____

RETURN:
☐ Clark Street Entrance
☐ Via US Mail or UPS

(PLEASE PRINT CLEARLY)

FIREARMS DELIVERED TO PLANT

FILE NY 011348

DATE 05-24-96

CUSTOMER NAME: [illegible]

ADDRESS: [illegible]

ZIP: _____

PHONE: _____

REMINGTON EMPLOYEE:
YES ☐ NO ☑
EMPLOYEE # _____
DEPT. # _____

FIREARM MODEL: M 24

GAUGE: 30

SERIAL # [illegible]

CHECK FOR AMMUNITION ✓

CONDITION:

WOOD GOOD FAIR POOR FANCY PLAIN

METAL GOOD FAIR POOR FANCY PLAIN

BARREL VT. RIB PLAIN DEER RSS

ACCESSORIES:

SCOPE: YES NO (BRAND NAME/POWER)_____

SLING: YES NO GUN CASE: YES NO (HARD - SOFT)

EXTRA BBL FOR GUN MENTIONED ABOVE:

OTHER (Note in this area items missing or added from orig. equipment)

_____

CUSTOMER REQUEST: _____

_____

SIGNATURE: _____ DATE: 24 MAY 96
(Person delivering firearm to Plant)

SIGNATURE: _____ DATE: 5/24/96
(Security Officer)

SIGNATURE: _____ DATE: 5/24/96
(Firearm picked up by)

Arm Service Copy

MAINTENANCE REQUEST

For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG

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
			02	

	1A. ORGANIZATION	B. LOCATION	C. UNIT IDENT CODE
☒ Work Request ☐ MWO ☐ Warranty Claim	HSC, 2/75FG(A) FT. BRAGG, NC 28307	BLDG E-3928 FT. BRAGG, NC 28307	WH00DO

2. SERIAL NO.	3. NOUN NOMENCLATURE	4. LINE NO.	5. MODEL	6. NATIONAL STOCK NUMBER
C6348811	RIFLE, SNIPER		M24	1005-240-2136

7A. MAINTENANCE ACTIVITY	8. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS
	DEPOT			B				9470	

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)*

☐ 068	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)*

DUE TO THE NUMBER OF ROUNDS FIRED, THE BARREL NEEDS REPLACED

B. REMARKS REBARREL AND RETURN REQUESTED. POC IS CPT. BURNS AT (910) 432-5208

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	24. RECEIVED BY
JULIAN DATE	JULIAN DATE

DA FORM 2407, AUG 88 — EDITION OF MAY 81 MAY BE USED — RECEIPT COPY 1

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348811
17 Apr 1900

CENTROIDAL DISTANCES

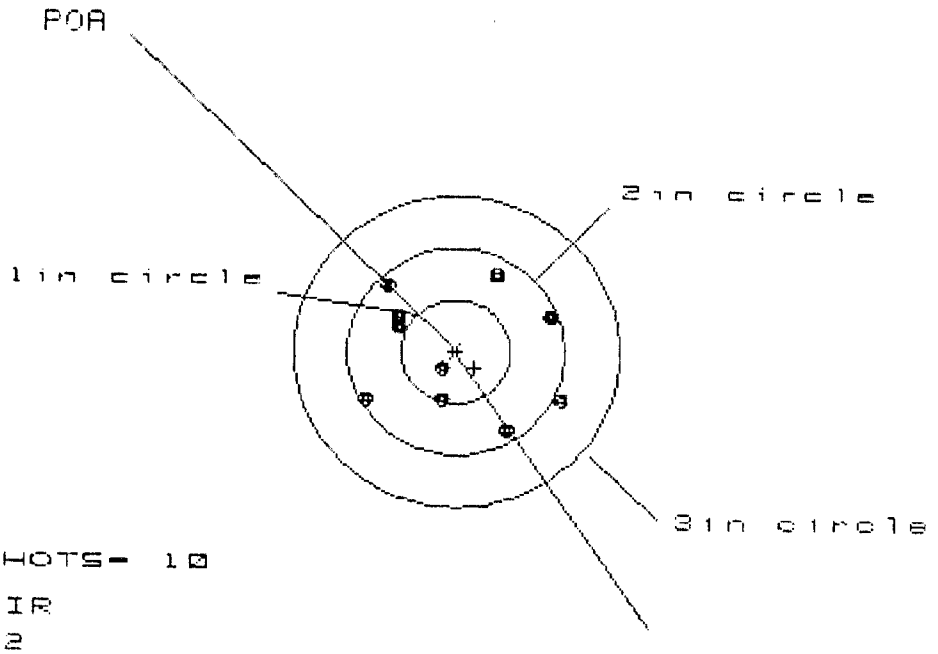
0	TO	1	.229316
1	TO	2	.21
1	TO	3	.347432
1	TO	4	.655234
1	TO	5	.514503

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1292
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .192
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .231423

THE AMR FOR THIS RIFLE IS: .975

17 Apr 1908 FILE:/PATTERNING/CENTERFIRE_PATT/C634881

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

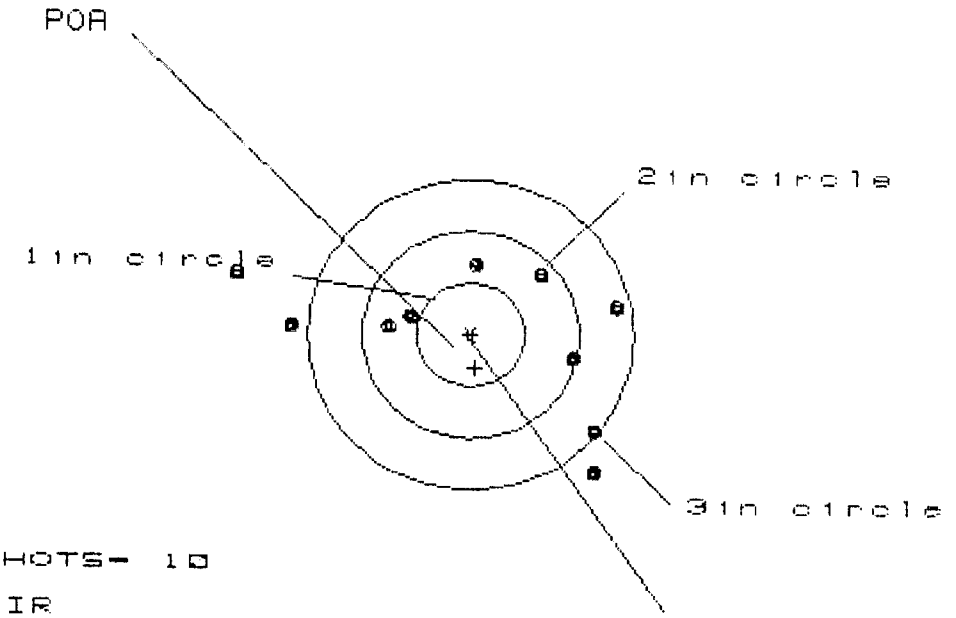
# IN CIR
1in = 2
2in = 9
3in = 10

HS= 1.742
VS= 1.463
GS= 1.928

PATTERN #	:	#1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.952	.992	.741
MINIMUM X	:	-.790	-.684	-.560
MAXIMUM Y	:	.740	.686	.719
MINIMUM Y	:	-.723	-.777	-.744
CENTROID X	:	-.169	-.275	-.399
CENTROID Y	:	.155	.209	.177
POA TO CENTROID in.	:	.229	.346	.436
MIN RADIUS	:	.201	.223	.226
MEAN RADIUS	:	.741	.687	.619
MAX RADIUS	:	1.072	1.026	1.050
HORIZONTAL SPREAD	:	1.742	1.676	1.301
VERTICAL SPREAD	:	1.463	1.463	1.463
EXTREME SPREAD	:	1.928	1.830	1.752
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Apr 1908 FILE:/PATTERNING/CENTERFIRE_PATT/C6348811

CENTERFIRE PATTERNS # 2



\# OF SHOTS= 10

\# IN CIR

1in = 0

2in = 5

3in = 7

HS= 3.481

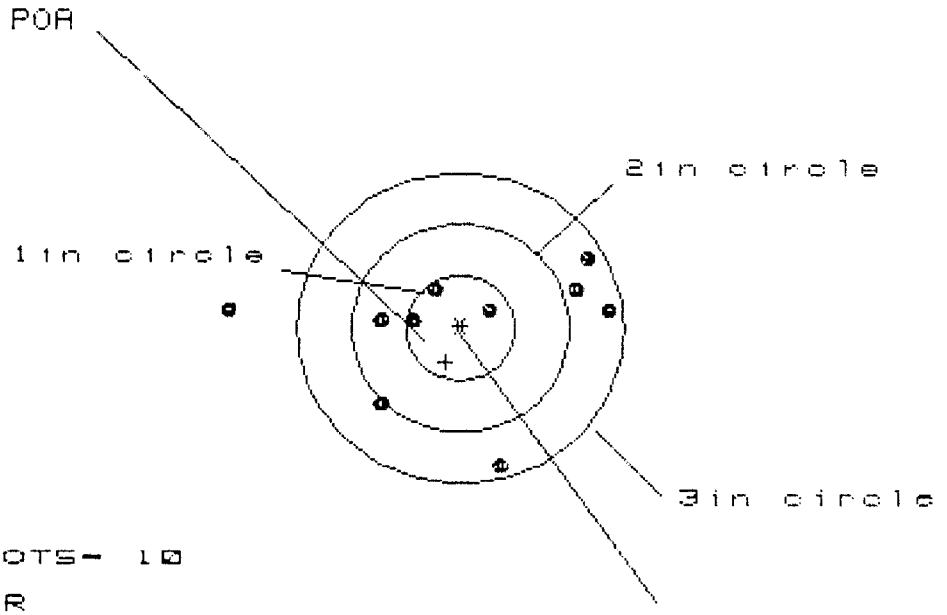
VS= 1.972

GS= 3.778

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.347	1.110	1.224
MINIMUM X	:	-2.134	-1.908	-1.794
MAXIMUM Y	:	.689	.754	.602
MINIMUM Y	:	-1.283	-1.218	-1.027
CENTROID X	:	-.043	.194	.080
CENTROID Y	:	.323	.258	.410
POA TO CENTROID in.	:	.325	.323	.418
MIN RADIUS	:	.619	.695	.610
MEAN RADIUS	:	1.232	1.106	1.031
MAX RADIUS	:	2.212	1.913	1.794
HORIZONTAL SPREAD	:	3.481	3.018	3.018
VERTICAL SPREAD	:	1.972	1.972	1.629
EXTREME SPREAD	:	3.778	3.132	3.023
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

17 Apr 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C6348811

CENTERFIRE PATTERNS # 3

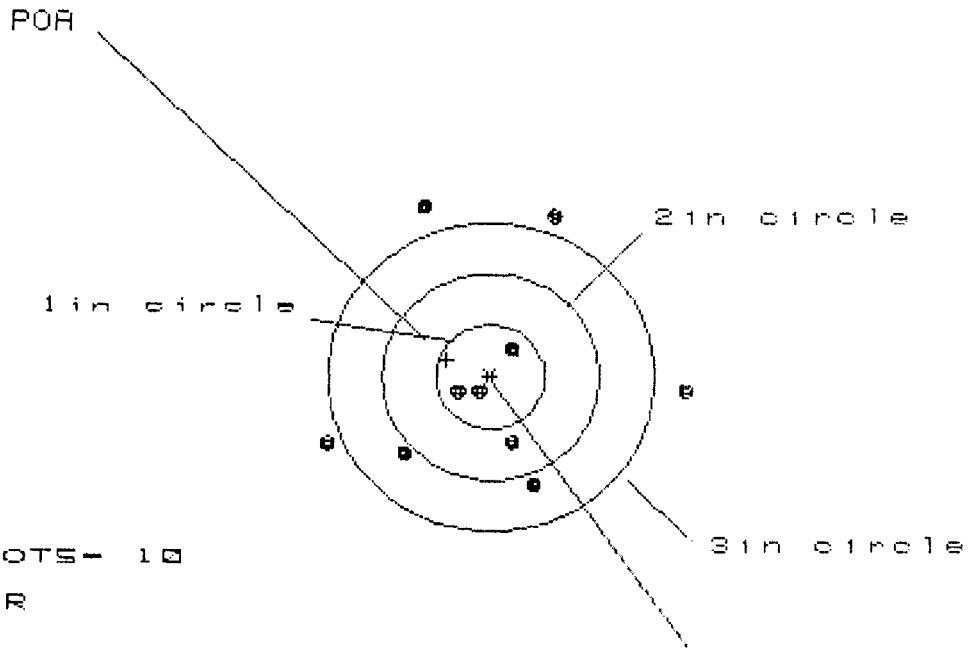


# OF SHOTS= 10
# IN CIR
1in = 3
2in = 4
3in = 9
HS= 3.431
VS= 2.010
GS= 3.431

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.318	1.084	1.104
MINIMUM X	:	-2.113	-.972	-.952
MAXIMUM Y	:	.667	.691	.526
MINIMUM Y	:	-1.343	-1.319	-.883
CENTROID X	:	.134	.368	.348
CENTROID Y	:	.325	.301	.466
POA TO CENTROID in.	:	.351	.476	.582
MIN RADIUS	:	.334	.180	.088
MEAN RADIUS	:	1.028	.903	.817
MAX RADIUS	:	2.124	1.329	1.275
HORIZONTAL SPREAD	:	3.431	2.056	2.056
VERTICAL SPREAD	:	2.010	2.010	1.409
EXTREME SPREAD	:	3.431	2.358	2.358
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Apr 1900 FILE:/PATTERNING/CENTERFIRE_PATT/C6348811

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

# IN CIR
1in = 3
2in = 4
3in = 6

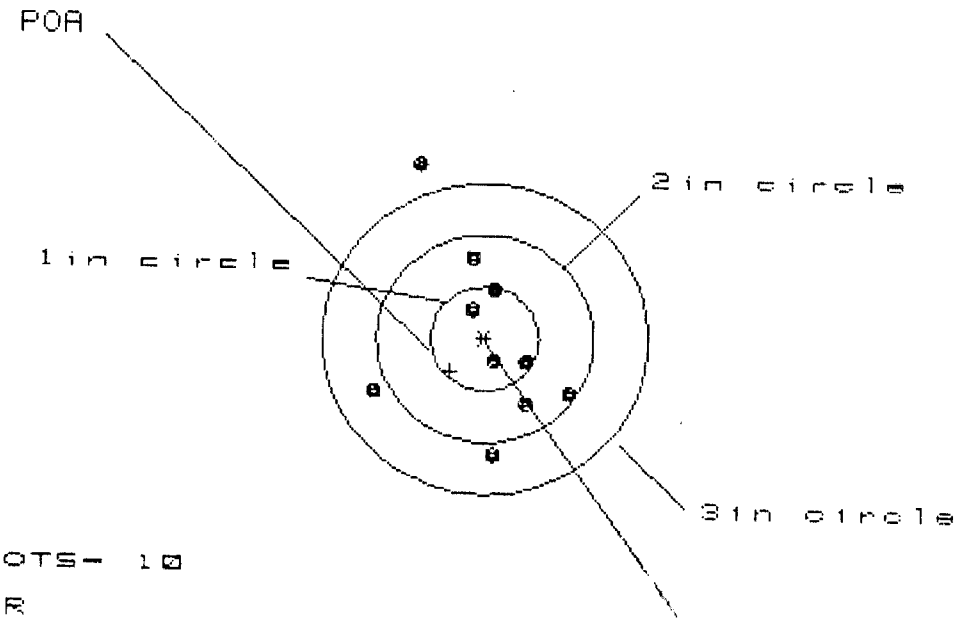
HS= 3.295
VS= 2.726
GS= 3.335

PATTERN #	:	4	
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.838	.807	.756
MINIMUM X	:	-1.457	-1.253	-1.304
MAXIMUM Y	:	1.683	1.670	1.729
MINIMUM Y	:	-1.043	-1.056	-.847
CENTROID X	:	.405	.201	.252
CENTROID Y	:	-.161	-.148	-.357
POA TO CENTROID in.	:	.436	.250	.436
MIN RADIUS	:	.195	.204	.091
MEAN RADIUS	:	1.076	.981	.835
MAX RADIUS	:	1.842	1.721	1.887
HORIZONTAL SPREAD	:	3.295	2.060	2.060
VERTICAL SPREAD	:	2.726	2.726	2.576
EXTREME SPREAD	:	3.335	2.989	2.989
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

17 Apr 1908 FILE:/PATTERNING/CENTERFIRE_PATT/C6348811

CENTERFIRE PATTERNS # 5



\# OF SHOTS= 10

\# IN CIR
1in = 4
2in = 7
3in = 9

HS= 1.823
VS= 2.766
GS= 2.854

PATTERN #	:	5.		
SHOTS (BEST OF)	:	10	9	
MAXIMUM X	:	.810	.736	.601
MINIMUM X	:	-1.013	-1.087	-.323
MAXIMUM Y	:	1.669	.962	.920
MINIMUM Y	:	-1.097	-.911	-.953
CENTROID X	:	.319	.393	.528
CENTROID Y	:	.318	.132	.174
POA TO CENTROID in.	:	.450	.414	.556
MIN RADIUS	:	.267	.067	.155
MEAN RADIUS	:	.798	.655	.578
MAX RADIUS	:	1.795	1.136	.968
HORIZONTAL SPREAD	:	1.823	1.823	.923
VERTICAL SPREAD	:	2.766	1.873	1.873
EXTREME SPREAD	:	2.854	1.877	1.877
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

21 DAY TURN - AROUND

M-24 Barrel
CONTRACT # DAAA09-92-C-0834

R&E NO. SERIAL NO. C6348811

		DATE	INIT.
LOG IN DATE: / /			
INSPECT & VERIFY:			
OP. #	OP. NAME		
550	DIS-ASSEMBLE GUN		
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL & TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	6/6/96	RW
605	CHECK HEADSPACE	6/6/96	RW
610	DIS-ASSEMBLE		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY ON FORCE _____	_____	_____
D	SAFETY OFF FORCE _____	_____	_____
E	FIRING PIN INDENT _____	_____	_____
640	TARGET	6/18/96	
655	FINAL INSPECT	6/20/96	RW
660	PACK		
	QAR INSPECTION	SHIP DATE	

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KINZER V. REMINGTON

SWS/Repair

Final Inspection

S/N: C6348811	DATE REC'D: 5/30/96	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: _____

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Remington®

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

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

MODEL 700™ M24

SERIAL NO. C6348811

ORDER NO. 5716

01

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

5716 C6348811

UPC

0 47700 25716 7

M-24

Scan 0703

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348811

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 21	89	RW
600	Proof	7 21	89	RW
607	Check Headspace	7 21	89	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
7	Drill and Tap Sight Holes		7/20/89	WC
618	Polish Barrel RB		7/21/89	WB
620	Apply Coatings (Barrel Action)		8/8/89	TH
	Apply Coating (Bolt)		8/8	TH
625	Final Assembly A) Clean inside of Bolt Assembly		8/7/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/7/89	RW
	C) Inspect Ejector Hole for Chamfer		8/7/89	RW
	D) Oil Firing Pin Ass'y		8/7/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10aug89	GSS

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KINZER V. REMINGTON

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			10aug89	GSS
	G) Safety Off Force	3	3	3			10aug89	GSS
	H) Trigger Pull Test & Retainability						10aug89	GSS
	I) Firing Pin Indent	.021	.021	.021			10aug89	GSS
	J) Assemble Stock						8/10/89	RW
	K) Assemble Swivel Studs						18aug89	GSS
	L) Attach Front and Rear Sight Assemblies						8/10/89	RW
	M) Iron Sight Alignment						8/10/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/10/89	RW
	O) Attach Scope to Rifle						8/14/89	RW
	P) Detach & Attach Scope 20 Times						8/15/89	RW
640	Gallery Target & Test	374 & 396					8-17-89	
	A) Time						8-17-89	
	B) Malfunctions						8-17-89	
	C) Pierced Primers						8-17-89	
	D) Optical Clearity of Scope						8-17-89	
645	Inspect for Live Ammo						8-17-89	
655	Final Inspection A) Headspace						18aug89	GSS
	B) Trigger Pull	2.64	2.81	2.64	2.54	2.65	18aug89	GSS
	C) Function						18aug89	GSS
660	Pack						20Sep89	GSS

Repacked Stock at front Swivel

9/13/89

SWS TRIGGER PULL TEST

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

SERIAL NO. 8811

DATE _____

TESTER _____

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.39	2.44		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPTABLE LESS THAN 2#
PULL #2	2.29	2.44	2.49		
PULL #3	2.29	2.46	2.39		
PULL #4	2.37	2.32	2.37		
PULL #5	2.37	2.44	2.49		
TOTAL	11.67	12.05	12.18		
AVG.	2.33	2.41	2.43		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.15	3.17		
PULL #2	3.14	3.14		
PULL #3	3.16	3.09		
PULL #4	3.12	3.20		
PULL #5	3.12	3.02		
TOTAL	15.69	15.62		
AVG.	3.13	3.12		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.14		
PULL #2	4.05	4.10		
PULL #3	4.12	4.07		
PULL #4	4.07	4.02		
PULL #5	4.09	4.11		
TOTAL	20 4.7	20.44		
AVG.	4.09	4.08		

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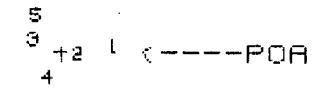
KINZER V. REMINGTON

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348811
18 Aug 1989

CENTROIDAL DISTANCES

0	TO	1	.967657
1	TO	2	.646413
1	TO	3	1.46277
1	TO	4	1.33718
1	TO	5	1.51845

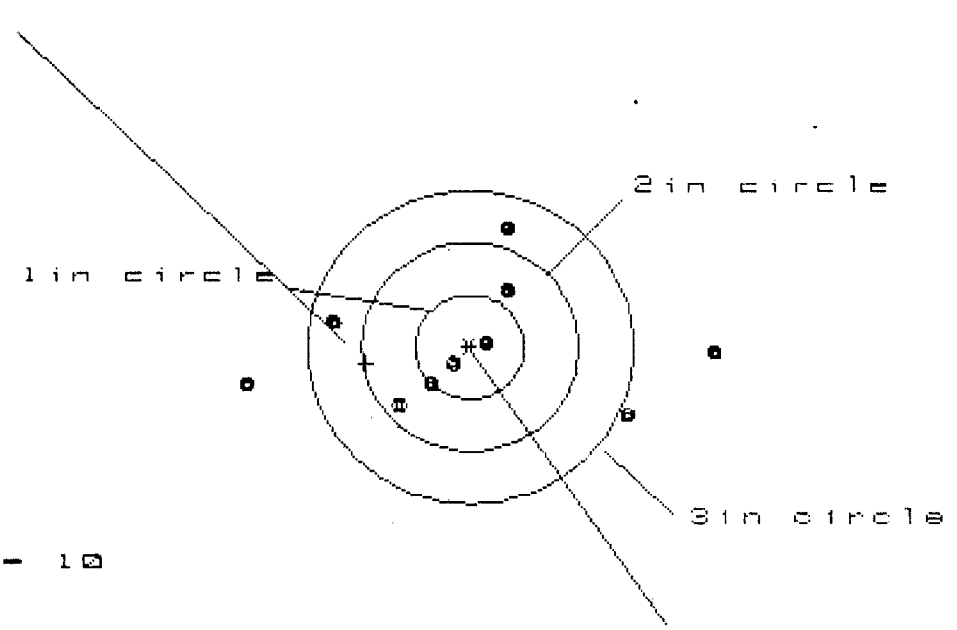


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .017
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1374
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .138448

THE AMP FOR THIS RIFLE IS: .9276

18 Aug 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C634B811

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

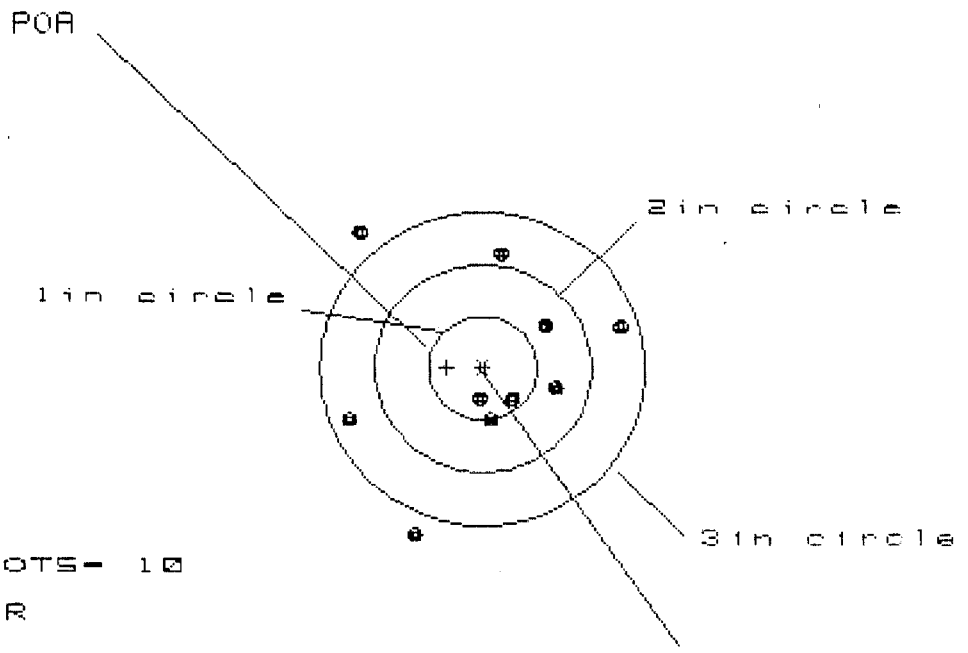
# IN CIR
1in = 2
2in = 5
3in = 7

HS= 4.267
VS= 1.759
GS= 4.277

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.228	1.643	1.419
MINIMUM X	:	-2.039	-1.791	-1.228
MAXIMUM Y	:	1.111	1.110	1.071
MINIMUM Y	:	-.648	-.649	-.688
CENTROID X	:	.955	.707	.931
CENTROID Y	:	.156	.157	.196
POA TO CENTROID in.	:	.967	.724	.951
MIN RADIUS	:	.198	.138	.210
MEAN RADIUS	:	1.073	.926	.804
MAX RADIUS	:	2.228	1.818	1.577
HORIZONTAL SPREAD	:	4.267	3.434	2.647
VERTICAL SPREAD	:	1.759	1.759	1.759
EXTREME SPREAD	:	4.277	3.450	2.793
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

18 Aug 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6348811

CENTERFIRE PATTERNS # 2.



OF SHOTS= 10

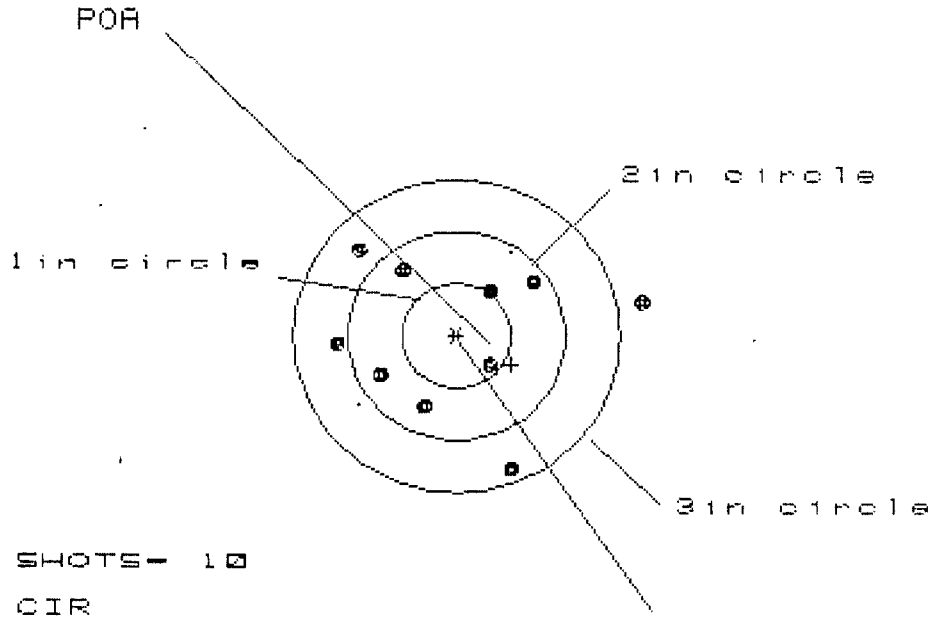
# IN CIR
1in = 3
2in = 5
3in = 8

HS= 2.517
VS= 2.889
GS= 2.932

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.244	1.178	1.034
MINIMUM X	:	-1.273	-1.339	-1.483
MAXIMUM Y	:	1.282	1.103	1.051
MINIMUM Y	:	-1.607	-.643	-.505
CENTROID X	:	.330	.396	.540
CENTROID Y	:	-.009	.170	.032
POA TO CENTROID in.	:	.330	.430	.541
MIN RADIUS	:	.260	.446	.365
MEAN RADIUS	:	.974	.900	.756
MAX RADIUS	:	1.713	1.598	1.567
HORIZONTAL SPREAD	:	2.517	2.517	2.517
VERTICAL SPREAD	:	2.889	1.746	1.556
EXTREME SPREAD	:	2.932	2.679	2.679
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Aug 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6348811

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

# IN CIR
1in = 2
2in = 6
3in = 9

HS= 2.807
VS= 2.078
GS= 2.834

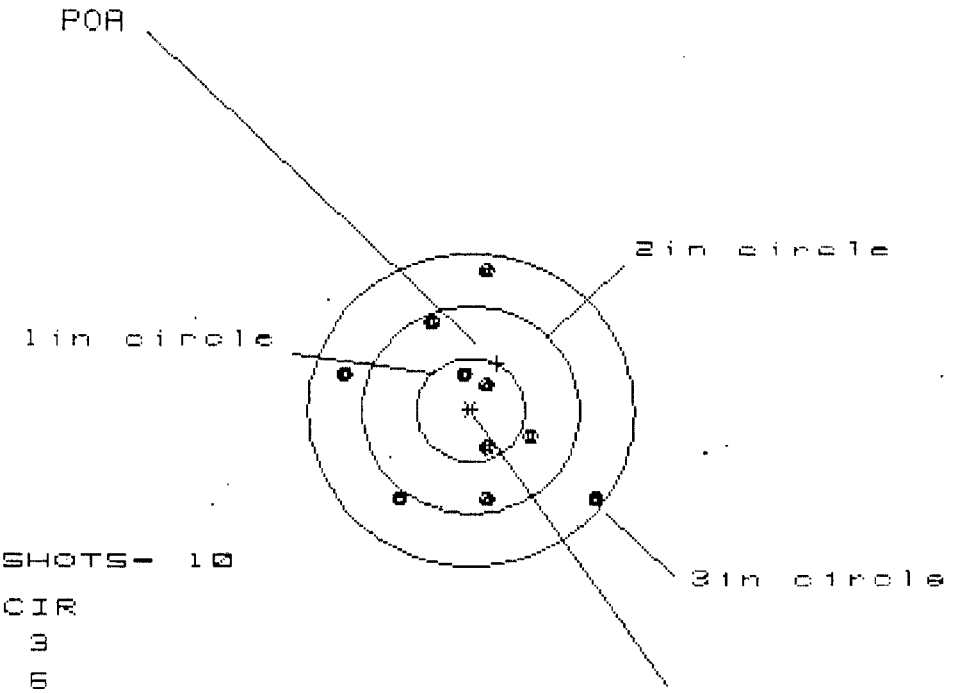
PATTERN # : 3

SHOTS (BEST OF) :	10	9	8
MAXIMUM X :	1.694	.930	1.018
MINIMUM X :	-1.113	-.924	-.837
MAXIMUM Y :	.805	.837	.682
MINIMUM Y :	-1.273	-1.241	-.778
CENTROID X :	-.503	-.692	-.779
CENTROID Y :	.274	.242	.397
POA TO CENTROID in.:	.573	.733	.875
MIN RADIUS :	.409	.536	.571
MEAN RADIUS :	.952	.851	.769
MAX. RADIUS :	1.719	1.426	1.094
HORIZONTAL SPREAD :	2.807	1.854	1.854
VERTICAL SPREAD :	2.078	2.078	1.460
EXTREME SPREAD :	2.834	2.499	1.957

NUMBER IN ONE INCH CIRCLE = 2
NUMBER IN TWO INCH CIRCLE = 6
NUMBER IN THREE INCH CIRCLE = 9

18 Aug 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C634B811

CENTERFIRE PATTERNS # 4

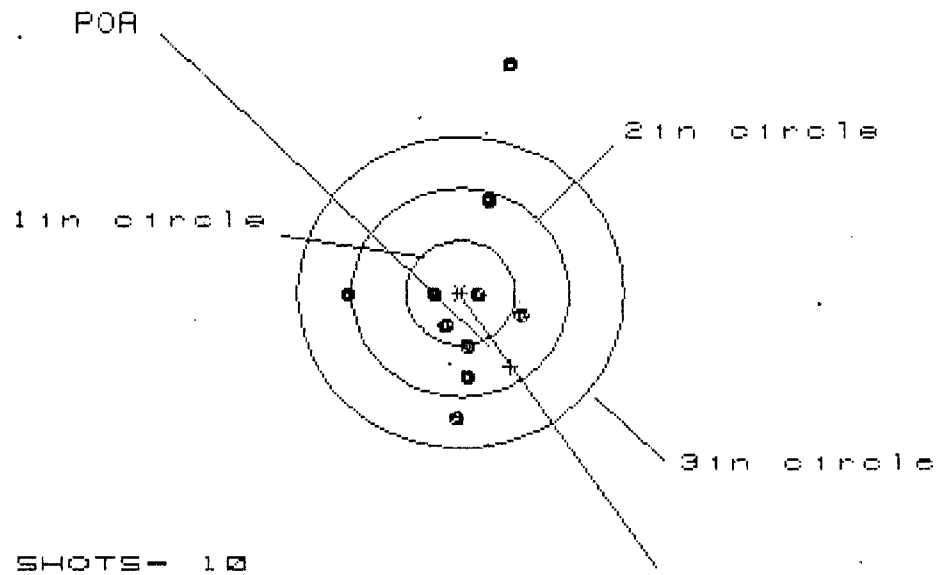


# OF SHOTS= 10
# IN CIR
1in = 3
2in = 6
3in = 10
HS= 2.305
VS= 2.211
GS= 2.603

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.117	.696	.730
MINIMUM X	:	-1.188	-1.063	-1.029
MAXIMUM Y	:	1.349	1.257	.899
MINIMUM Y	:	-.862	-.954	-.796
CENTROID X	:	-.239	-.364	-.398
CENTROID Y	:	-.446	-.354	-.512
POA TO CENTROID in.	:	.506	.508	.648
MIN RADIUS	:	.273	.226	.387
MEAN RADIUS	:	.842	.783	.724
MAX RADIUS	:	1.388	1.288	1.124
HORIZONTAL SPREAD	:	2.305	1.759	1.759
VERTICAL SPREAD	:	2.211	2.211	1.695
EXTREME SPREAD	:	2.603	2.351	1.869
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Aug 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C634B811

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

# IN CIR
1in = 3
2in = 8
3in = 9

HS= 1.507
VS= 3.355
GS= 3.381

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.508	.555	.562
MINIMUM X	:	-.999	-.952	-.945
MAXIMUM Y	:	2.171	1.141	1.023
MINIMUM Y	:	-1.184	-.943	-.727
CENTROID X	:	-.458	-.505	-.512
CENTROID Y	:	.712	.471	.589
POA TO CENTROID in.	:	.847	.691	.780
MIN RADIUS	:	.113	.131	.203
MEAN RADIUS	:	.797	.594	.551
MAX RADIUS	:	2.212	1.170	1.057
HORIZONTAL SPREAD	:	1.507	1.507	1.507
VERTICAL SPREAD	:	3.355	2.084	1.750
EXTREME SPREAD	:	3.381	2.094	1.758

NUMBER IN ONE INCH CIRCLE = 3
NUMBER IN TWO INCH CIRCLE = 8
NUMBER IN THREE INCH CIRCLE = 9