

676738632
Replaces
C622-5331

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: RE00147673

Serial: C6225331 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 7/17/2008 6:23:08 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: PBO 1/75 RANGER REGIMENT

PBO 1/75 RANGER REGIMENT

Address 1: ATTN: WD1 CURTIS B MATHIS

ATTN: WD1 CURTIS B MATHIS

Address 2: 1036 LIBERATOR RD

PO Box:

1036 LIBERATOR RD

PO Box:

City: HUNTER AAF

HUNTER AAF

State: GA

Zip Code: 31409

Country: US

State: GA

Zip Code: 31409

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

7/17/2008

8:09 AM

C&PS

NUM

INS

SCRL



8:09 AM

G 673 8632 New

Number: ~~C6225331~~

Model: M24 SWS



RE00147673

Reset

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6738632.___0

FILE DATE AND TIME: 10/17/2008 05:25

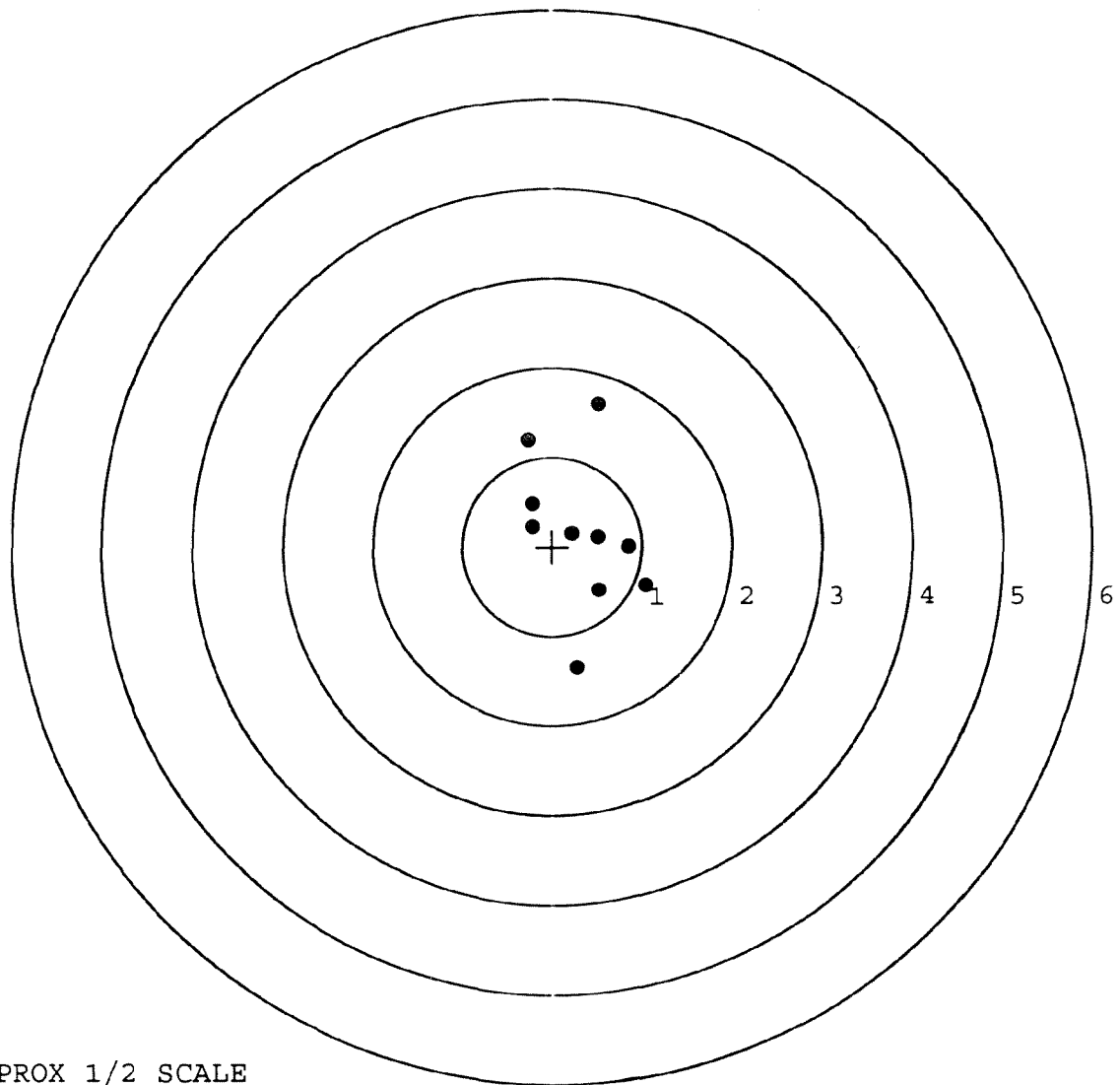
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.180
The Average Y Centroid of the Five Target Set:	-0.138
The Average Point of Impact of the Five Target Set:	0.227
The Average Mean Radius of the Five Target Set:	0.631
The Distance from POA to Centroid Target #1:	0.356
The Distance from Centroid Target #2 to Centroid Target #1:	0.341
The Distance from Centroid Target #3 to Centroid Target #1:	0.333
The Distance from Centroid Target #4 to Centroid Target #1:	0.316
The Distance from Centroid Target #5 to Centroid Target #1:	0.698

SERIAL NUMBER: G6738632. __0
TARGET NUMBER: 1
FILE DATE: 10/17/2008
FILE TIME: 05:25

X CENTROID: 0.324
Y CENTROID: 0.146
POA TO CENTROID: 0.356
HORZ SPREAD: 1.304
VERT SPREAD: 2.947
GROUP SPREAD: 2.957
MIN RADIUS: 0.100
MAX RADIUS: 1.506
MEAN RADIUS: 0.777
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.522	1.587
2:	-0.261	1.190
3:	0.280	-1.360
4:	0.524	-0.489
5:	1.043	-0.431
6:	0.850	0.002
7:	0.508	0.110
8:	0.224	0.150
9:	-0.225	0.476
10:	-0.221	0.223



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738632. __0

TARGET NUMBER: 2

FILE DATE: 10/17/2008

FILE TIME: 05:25

POINT#	X	Y
--------	---	---

1:	0.861	-0.707
----	-------	--------

2:	0.347	-0.550
----	-------	--------

3:	0.528	-0.183
----	-------	--------

4:	0.336	-0.073
----	-------	--------

5:	0.357	0.080
----	-------	-------

6:	0.374	0.230
----	-------	-------

7:	0.133	0.261
----	-------	-------

8:	-0.069	-0.255
----	--------	--------

9:	-0.250	-0.296
----	--------	--------

10:	-0.386	-0.308
-----	--------	--------

X CENTROID: 0.223

Y CENTROID: -0.180

POA TO CENTROID: 0.287

HORZ SPREAD: 1.247

VERT SPREAD: 0.968

GROUP SPREAD: 1.309

MIN RADIUS: 0.156

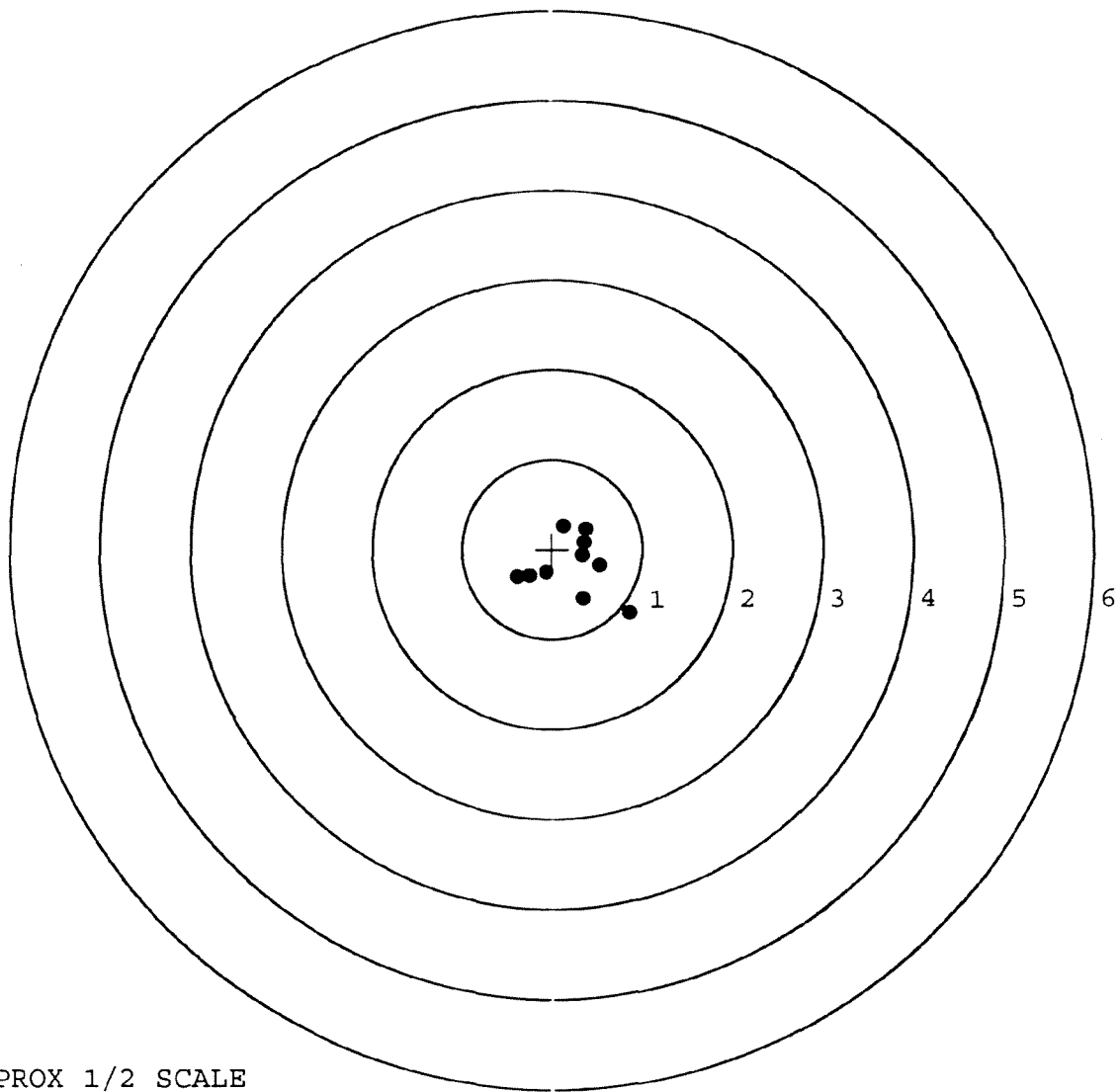
MAX RADIUS: 0.827

MEAN RADIUS: 0.427

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738632. __0

TARGET NUMBER: 3

FILE DATE: 10/17/2008

FILE TIME: 05:25

POINT#	X	Y
1:	-0.679	0.531
2:	-0.636	-0.232
3:	-0.275	-0.319
4:	-0.079	-0.290
5:	0.080	-0.185
6:	0.381	-0.244
7:	0.598	-0.236
8:	0.765	-0.232
9:	0.504	0.109
10:	0.157	0.274

X CENTROID: 0.082

Y CENTROID: -0.082

POA TO CENTROID: 0.116

HORZ SPREAD: 1.444

VERT SPREAD: 0.850

GROUP SPREAD: 1.633

MIN RADIUS: 0.103

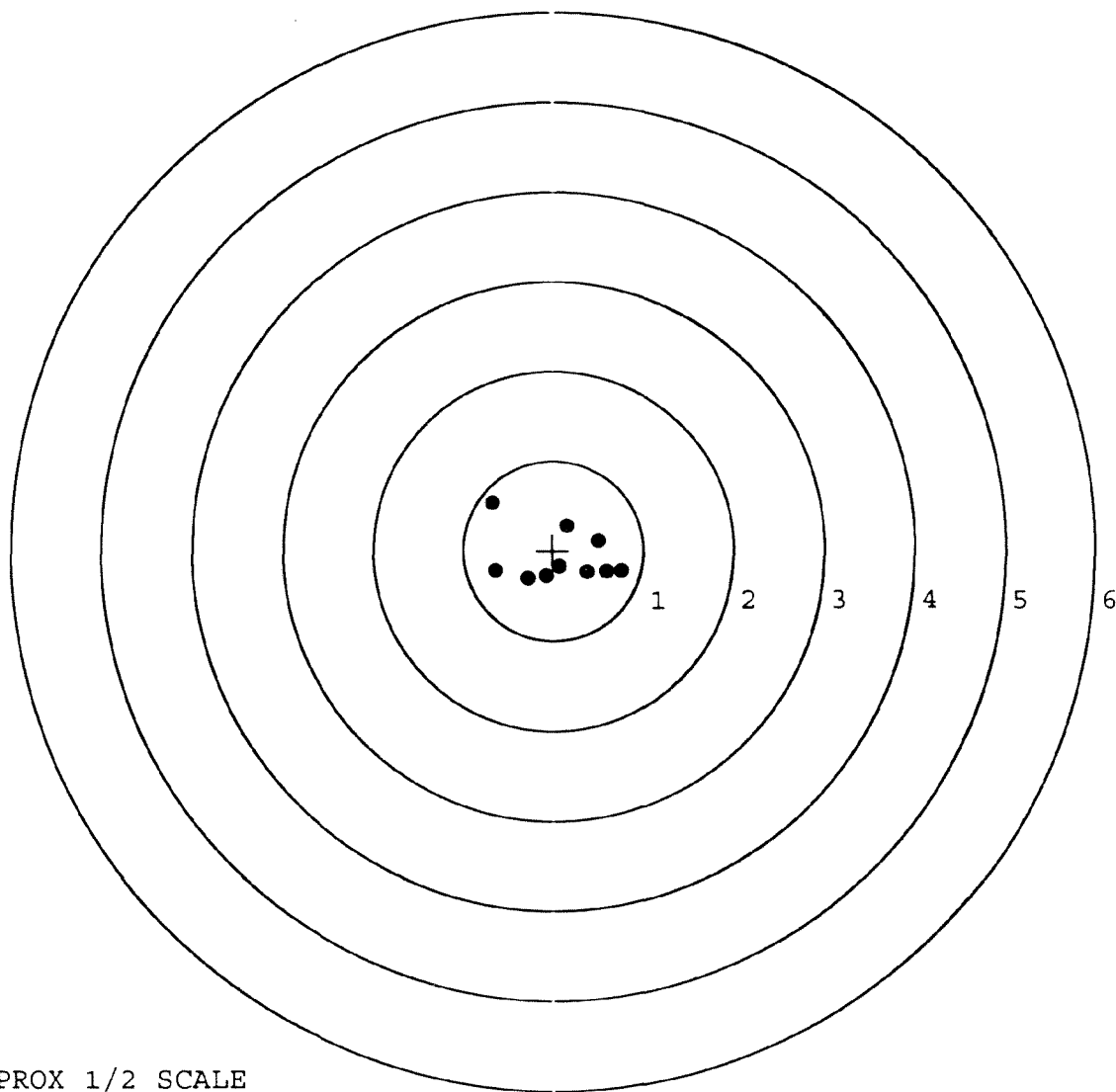
MAX RADIUS: 0.977

MEAN RADIUS: 0.491

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738632. __0

TARGET NUMBER: 4

FILE DATE: 10/17/2008

FILE TIME: 05:25

POINT#	X	Y
--------	---	---

1:	-1.047	-0.392
----	--------	--------

2:	-0.792	0.603
----	--------	-------

3:	1.135	0.510
----	-------	-------

4:	0.571	0.247
----	-------	-------

5:	0.438	0.354
----	-------	-------

6:	0.238	-0.048
----	-------	--------

7:	0.128	-0.165
----	-------	--------

8:	0.006	-0.305
----	-------	--------

9:	0.017	-0.483
----	-------	--------

10:	-0.073	-0.632
-----	--------	--------

X CENTROID: 0.062

Y CENTROID: -0.031

POA TO CENTROID: 0.069

HORZ SPREAD: 2.182

VERT SPREAD: 1.235

GROUP SPREAD: 2.361

MIN RADIUS: 0.149

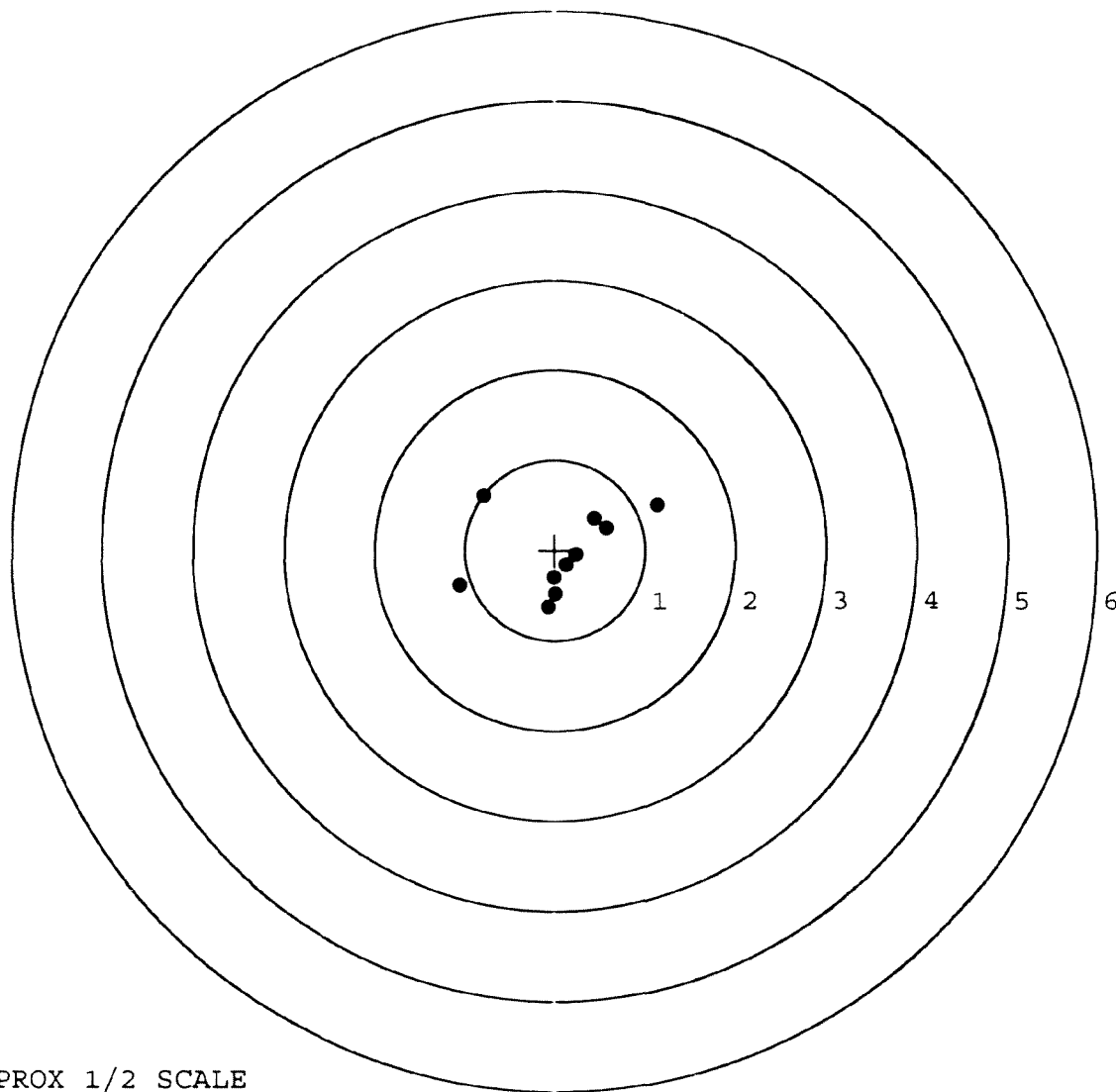
MAX RADIUS: 1.202

MEAN RADIUS: 0.623

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

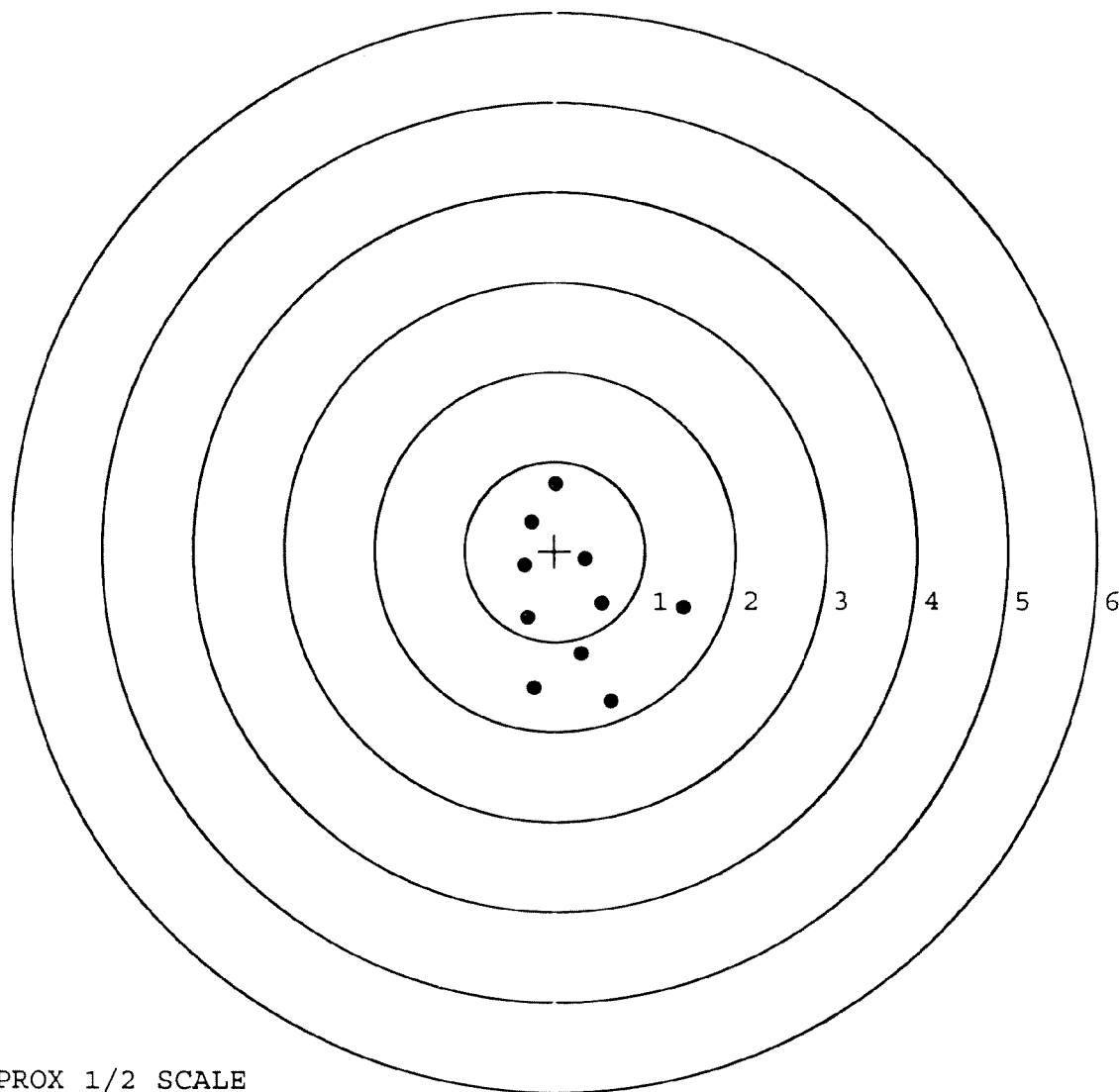


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6738632. __0
TARGET NUMBER: 5
FILE DATE: 10/17/2008
FILE TIME: 05:25

X CENTROID: 0.208
Y CENTROID: -0.543
POA TO CENTROID: 0.581
HORZ SPREAD: 1.764
VERT SPREAD: 2.410
GROUP SPREAD: 2.485
MIN RADIUS: 0.317
MAX RADIUS: 1.304
MEAN RADIUS: 0.837
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.425	-0.623
2:	0.622	-1.663
3:	-0.229	-1.514
4:	0.294	-1.135
5:	0.524	-0.575
6:	0.334	-0.087
7:	-0.306	-0.735
8:	-0.339	-0.165
9:	-0.259	0.322
10:	0.018	0.747



TARGET APPROX 1/2 SCALE

G6738632 (New)

OPERATION #	OPERATION NAME		PASS / FAIL	DATE	INITIALS
604	DIS-ASSEMBLE GUN			9-25-08	RTZ
605	RE-BARREL			9-30-08	RTZ
606	ASSEMBLE			9-30-08	RTZ
607	PROOF	MAGNA FLUX GUT V.O. HAND		10-2-08	L.P.D.
608	CHECK HEADSPACE			10-2-08	S.H.R.
610	DIS-ASSEMBLE GUN			10-2-08	S.L.B.
612	MAGNAFLUX	OPERATOR [Signature]		10/8/08	[Initials]
613	DRAW AND TAP			10-6-08	JL
615	ROLLMARK CALIBER			10/8/08	RT
618	FOTO-BLAST				
620	APPLY COATINGS			10/11	[Initials]
625	FINAL ASSEMBLY			10-15-08	RTZ
640	FUNCTION TEST AND TARGET	(PASS)	FAIL	10-17-08	TL
650	TARGET	(PASS)	FAIL	10-16-08	TL
	MALFUNCTION BAC	CORRECTION		10-17-08	TL
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION	n/a		
	MALFUNCTION	CORRECTION		10-16-08	X P.D.
670	FINAL INSPECTION AT HEADSPACE	(PASS)	FAIL	10-22-08	X P.D. 10-22-08 X P.D.
	A - SILENCER	2.75 2.73 2.65 2.67 2.62		10-17-08	TL
	B - SAFETY OFF FORCE	5.0 5.0 5.0		10-21-08	X P.D.
	C - SAFETY ON FORCE	6.0 6.0 5.0		10-21-08	X P.D.
	H FIRING PIN INCHES	.030 .021 .021		10-21-08	X P.D. 10/27/08 F.M.

SCOPE #
1180

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225331

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8 9/88	9/88	FB
600	Proof	9 7/88	9 7/88	Ru
607	Check Headspace	9 7/88	9 7/88	RW
610	Dis-assemble gun	1/88	1/88	Ru
612	Magnaflux Barrel Action		9-14-88	RFL
	Magnaflux Bolt		9-14-88	RFL
615	Rollmark Caliber		10/12	WC
617	Drill & Tap Sight Holes		10/12	FB
618	Polish Barrel		10/20	WT
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/88	Ru
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/2/88	Ru
	C) Inspect Ejector Hole for Chamfer		11/2/88	Ru

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/7/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		8/10/88	JU
	F) Safety on Force	5 : 5 : 5	8/10/88	MS
	G) Safety off Force	3 : 3 : 3	8/10/88	JS
	H) Trigger Pull Test & Retainability		7/10/88	JU
	I) Firing Pin Indent	.020 : .020 : .020	8/10/88	JS
	J) Assemble Stock		11/16/88	RW
	K) Attach Front & Rear Sight Assemblies		11/16/88	RW
	L) Iron Sight Alignment		11/16/88	RW
	M) Detach Front & Rear Sights & place in numbered container		11/16/88	RW
	N) Attach Scope to Rifle		11/18/88	WB
	O) Detach & Attach Scope 20 times		11/18/88	WB
640	Gallery Target & Test	57 R 98 L	11-28-88	AC
	A) Optical Clarity of Scope	OK	11-28-88	AC
645	Inspect for Live Ammo	NONE	11-28-88	AC
655	Final Inspection A) Headspace		5 Dec 88	JS
	B) Trigger Pull	260 : 257 : 253	252 : 250	JS
	C) Function		5 Dec 88	JS
	D) Assemble Swivel Studs		5 Dec 88	JS
660	Pack		15 Dec 88	JS

SWS TRIGGER PULL TEST

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

SERIAL NO. C.6225331

DATE 11-7-88

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.43	2.64	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.48	2.65	2.57	
PULL #3	2.49	2.57	2.64	2.53	
PULL #4	2.52	2.47	2.64	2.52	
PULL #5	2.51	2.49	2.62	2.50	
TOTAL	12.49	12.44	13.19	12.72	
AVG.	2.498	2.488	2.638	2.544	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.34		
PULL #2	3.38	3.37		
PULL #3	3.37	3.37		
PULL #4	3.37	3.36		
PULL #5	3.38	3.38		
TOTAL	16.86	16.82		
AVG.	3.372	3.364		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.21		4.00
PULL #2	4.30	4.26		4.15
PULL #3	4.28	4.26		4.11
PULL #4	4.28	4.28		4.10
PULL #5	4.29	4.30		4.11
TOTAL	21.45	21.31		20.47
AVG.	4.29	4.262		4.094

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225331

CENTROIDAL DISTANCES

0	TO	1	.802297
1	TO	2	.895056
1	TO	3	.860277
1	TO	4	1.09216
1	TO	5	.711079

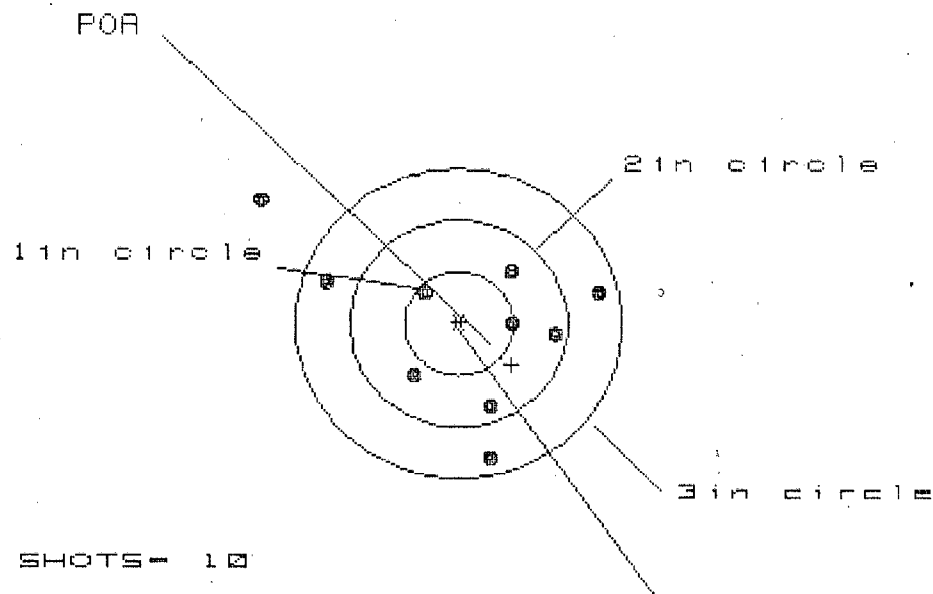
4
5
1 2 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2786
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1258
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .305685
THE AMR FOR THIS RIFLE IS: .9056

29 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225331

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 3.027

VS= 2.533

GS= 3.246

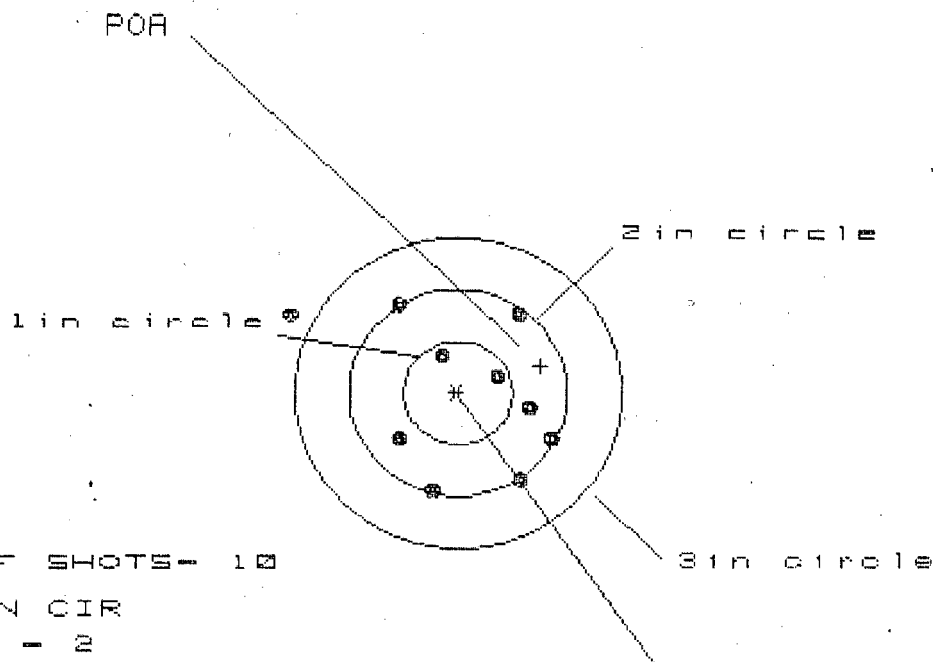
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.263	1.067	1.076
MINIMUM X	-1.764	-1.412	-1.403
MAXIMUM Y	1.216	.593	.446
MINIMUM Y	-1.317	-1.182	-.802
CENTROID X	-.487	-.291	-.300
CENTROID Y	.397	.262	.409
POA TO CENTROID in.	.628	.391	.507
MIN RADIUS	.440	.278	.253
MEAN RADIUS	1.007	.843	.789
MAX RADIUS	2.143	1.502	1.450
HORIZONTAL SPREAD	3.027	2.479	2.479
VERTICAL SPREAD	2.533	1.775	1.248
EXTREME SPREAD	3.246	2.481	2.481
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

29 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225331

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS= 2.417

VS= 1.733

GS= 2.720

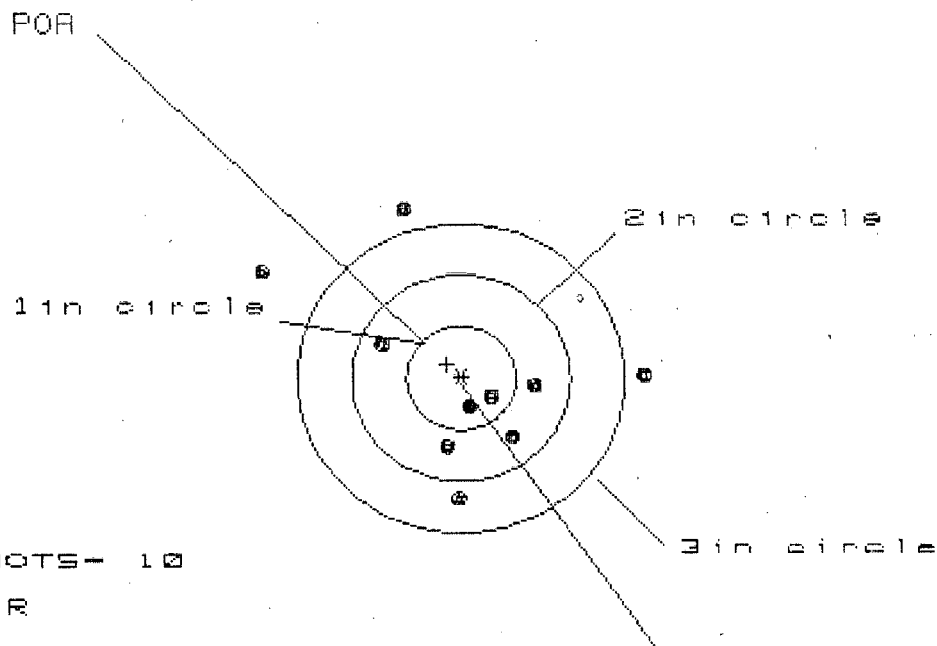
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.902	.733	.534
MINIMUM X	-1.515	-.754	-.662
MAXIMUM Y	.814	.903	.859
MINIMUM Y	-.919	-.830	-.874
CENTROID X	-.759	-.590	-.682
CENTROID Y	-.260	-.349	-.305
POA TO CENTROID in.	.802	.686	.747
MIN RADIUS	.377	.278	.324
MEAN RADIUS	.873	.751	.744
MAX RADIUS	1.716	1.137	1.047
HORIZONTAL SPREAD	2.417	1.487	1.196
VERTICAL SPREAD	1.733	1.733	1.733
EXTREME SPREAD	2.720	1.967	1.967
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

29 Nov 1986

FILE:/PATTERNING/CENTERFIRE_PATT/C6225331

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 7

HS= 3.461

VS= 2.785

GS= 3.609

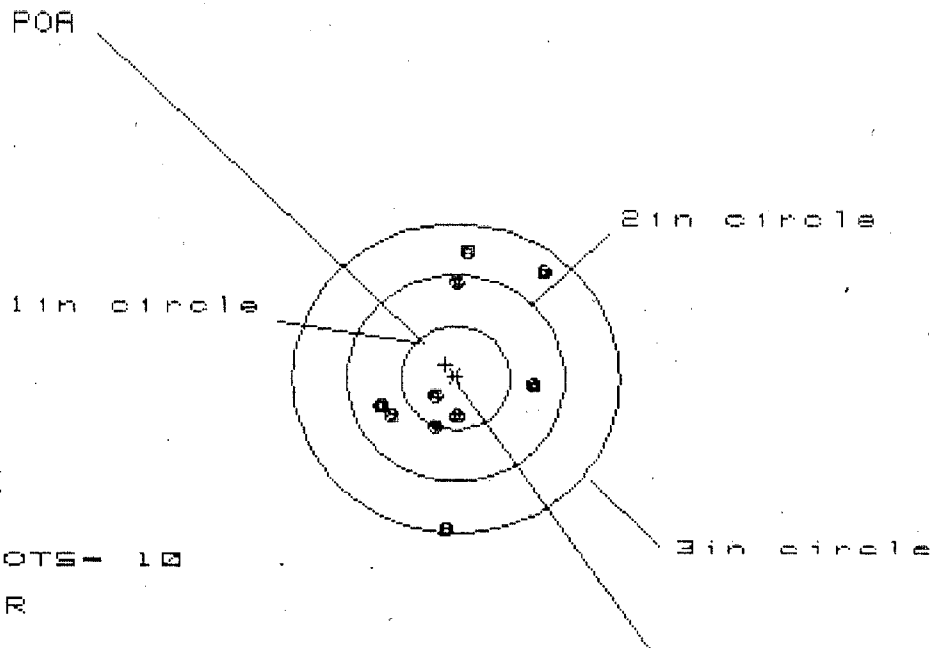
CENTROID *

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.676	1.477	1.387
MINIMUM X	:	-1.785	-.928	-1.018
MAXIMUM Y	:	1.614	1.729	.621
MINIMUM Y	:	-1.171	-1.056	-.840
CENTROID X	:	.127	.326	.416
CENTROID Y	:	-.133	-.248	-.464
POA TO CENTROID in.	:	.184	.409	.623
MIN RADIUS	:	.283	.122	.139
MEAN RADIUS	:	1.014	.828	.652
MAX RADIUS	:	2.062	1.872	1.428
HORIZONTAL SPREAD	:	3.461	2.405	2.405
VERTICAL SPREAD	:	2.785	2.785	1.461
EXTREME SPREAD	:	3.609	2.824	2.421
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	7		

29 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225331

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.455

VS= 2.725

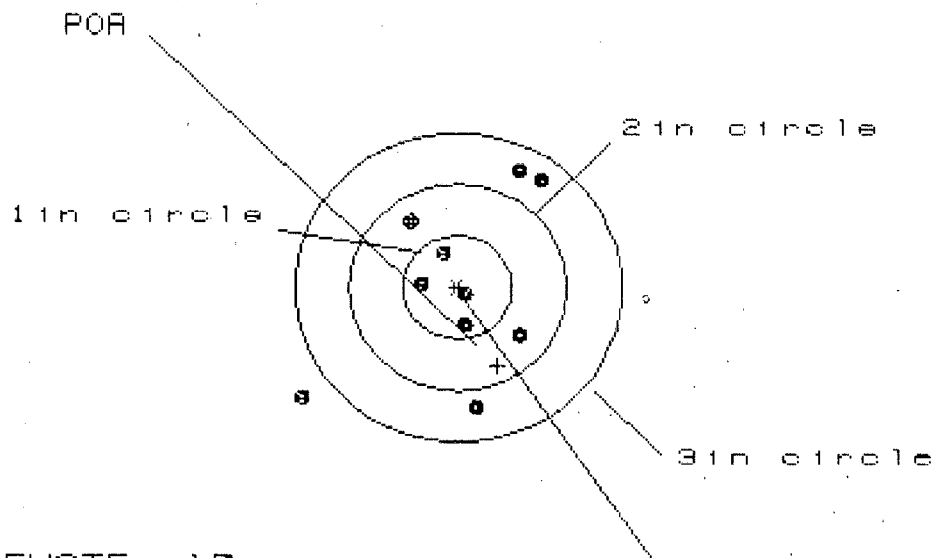
GS= 2.729

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.791	.786	.797
MINIMUM X	-.664	-.669	-.571
MAXIMUM Y	1.212	1.043	1.155
MINIMUM Y	-1.514	-.608	-.496
CENTROID X	.092	.097	-.001
CENTROID Y	-.134	.035	-.077
POA TO CENTROID in.	.162	.103	.077
MIN RADIUS	.278	.419	.277
MEAN RADIUS	.820	.766	.671
MAX RADIUS	1.514	1.189	1.170
HORIZONTAL SPREAD	1.455	1.455	1.368
VERTICAL SPREAD	2.725	1.651	1.651
EXTREME SPREAD	2.729	2.010	1.749
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

29 Nov 1986

FILE:/PATTERNING/CENTERFIRE_PATT/C6225331

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 9

HS= 2.236

VS= 2.247

GS= 3.082

CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.786	.625	.486
MINIMUM X	:	-1.450	-.576	-.498
MAXIMUM Y	:	1.136	1.015	1.128
MINIMUM Y	:	-1.111	-1.232	-1.119
CENTROID X	:	-.366	-.285	-.283
CENTROID Y	:	.759	.880	.767
POA TO CENTROID in.	:	.843	.904	.818
MIN RADIUS	:	.140	.206	.094
MEAN RADIUS	:	.814	.713	.630
MAX RADIUS	:	1.815	1.233	1.211
HORIZONTAL SPREAD	:	2.236	1.201	.984
VERTICAL SPREAD	:	2.247	2.247	2.247
EXTREME SPREAD	:	3.082	2.268	2.268
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R93-29341

INITIAL CUSTOMER ORDER NO.

W/LEOPOLD 10X SCOPE & BI-POD

M-24 SNIPERATTN FRED MARTIN

T IN

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

12/27/93

12/29/93

DI 9-88

C6225331

700 7.62

SWS

ACCESSORIES

W/STUDS

HARD CASE

SOFT CASE

FROM:

SHIP TO:

DEPT. OF THE ARMY
A CO. 1/75 RGR REGT
HAAF

GA 31409

DEPT. OF THE ARMY
A CO. 1/75 RGR REGT
HAAF

GA

31409

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

CUST NO: 087736 C.O.D

PROM. DATE

ESTIMATED

VIA

WRITE ☐

R418454867

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			G1	D3	E5	F5
METAL			G2			

MAIN FAULT

Replace Barrel Assy, Scope Sun Shade Cross-Threaded, Screw missing from Bipod leg, Stock needs Finish & Soft Case Zipper Broken

PARTS

COMMENTS

Barrel Assy - 96003 Reinc - Scope Base, Scope Rings, Stock Assy - 96018 & Swivel Studs.
Soft Rifle Carrying Case - 96076 Repowder Coat - Floor Plate, Arch Scope Sun Shade - 96049 Trigger Guard, Front & Rear Sight Bases.
Repair Bipod.

W52H094011H528

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400001408

DEPARTMENT OF THE ARMY

ACG 1/15 RGR BN

HAAR CA 31409

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

DA Label 18-1, Sep 83
Edition of Oct 74 will be used until exhausted.

REMINGTON ARMS INC.

ATTN: CUSTOM SHOP

14 Hoefler AVE

ILION, NY 13357

BOA NO. DAAA 21-87-G-0001

DA Label 18-1, Sep 83
Edition of Oct '74 will be used until exhausted.

DEPARTMENT OF THE ARMY

ACO 1/75 RGR BW
HARF CA 3

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

REGISTERED MAIL

R 418 454 867

X

REMINGTON ARMS INC.

ATTN: CUSTOM SHOP

14 Hoefler AVE

ILION, NY 13357

BOA NO. DAAA 21-87-G-0001

MAINTENANCE ACTIVITY DATA												
SECTION I - CUSTOMER DATA												
1a. UIC CUSTOMER		1b. CUSTOMER UNIT NAME		1c. PHONE NO.		3a. WORK ORDER NUMBER (WON)			3b. SHOP		3c. PHONE NO.	
2a. IF INTRANSIT CUSTOMER, ENTER DATA IN BLOCKS 7b. AND 7c.		2b. SAMS-2 UIC		2c. UTILIZATION CODE		4a. UIC SUPPORT			4b. SUPPORT UNIT NAME			
SECTION III - EQUIPMENT DATA												
5. TYPE MINT REQ CODE		6. ID		7. NSN		15. FAILURE DETECTED DURING (Select one use $\checkmark$ or X)						
						☐ A Scheduled Maintenance ☐ B Handling ☒ C Test ☒ D Normal Op ☐ E Storage ☐ F Inspection ☐ G Flight ☐ H Other ☐ I Collis						
8. MODEL		10a. ORG WON		10b. EIC		10c. S. KILOMETERS (enter $\checkmark$ or X)		10d. HOURS		10e. ROUNDS		
9. NOUN												
11. SERIAL NUMBER		12. QTY		13. PD		16d. LANDINGS		16e. AUTO-ROTATIONS		17. PROJECT CODE (if assigned)		
14. MALFUNCTION DESCRIPTION (for DSU/GSU use)						19. IN WARRANTY? (enter Y or N)		20. LEVEL OF WORK (Select one - use $\checkmark$ or X)		18. ACCOUNT PROCESSING CODE		
								☐ O Unit Level ☐ F Intermediate ☐ D Direct Spt		☒ I Special Repair Activity		
						21. BUMPER NO./TAIL NO.		22. REIMBURSABLE CUSTOMER? (if Intransit Customer, enter Y or N)				
						23. PD AUTHENTICATING SIGNATURE (Payroll Signature)						
24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs)												
26a. REMARKS												
FIRED 10,000 RDS, BIPED LEG BROKE, FINISH BADLY SCRATCHED, DAY LENS COVER, CROSS TREADS												
SECTION IV - REPORTABLE DATA												
25a. STA		25b. ORD DATE		25c. MIL TIME		25a. STA		25b. ORD DATE		25c. MIL TIME		
SECTION V - TASK REQUIREMENTS DATA												
27a. FILE INPUT ACT CD		27b. TASK NO.		27c. ACT RCD		27d. TASK DESCRIPTION		27e. QTY TO BE RPR		27f. WORK CENTER		
SECTION VI - PART REQUIREMENTS												
28a. FILE INPUT ACT CD		28b. TASK NO.		28c. ID		28d. ROD NSN OR PART NUMBER		28e. SFR CD		28f. QTY RQD		
SECTION VII - COMPLETION DATA												
29. QTY RPR		30. QTY CONDEMN		31. QTY NRTS		32. EVAC WON		33. EVAC UNIT NAME				
SECTION VIII - ACTION SIGNATURES												
34a. SUBMITTED BY		35a. ACCEPTED BY		36a. WORK STARTED BY		37a. INSPECTED BY		38a. PICKED UP BY				
34b. ORD DATE		35b. STA		35c. ORD DATE		35d. MIL TIME		36b. STA		36c. ORD DATE		
36d. MIL		37b. STA		37c. ORD DATE		37d. MIL TIME		38b. STA		38c. ORD DATE		
38d. MIL		39b. STA		39c. ORD DATE		39d. MIL TIME		40b. STA		40c. ORD DATE		

DA FORM 5504, APR 87

DA FORM 5504 (TEST), DEC 65, MAY BE USED

COI

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225331

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		12/28/93	RW
600	Proof		12/28/93	RW
607	Check Headspace		12/28/93	RW
610	Dis-assemble Gun		12/28/93	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		1/4/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/4/94	RW
	C) Inspect Ejector Hole for Chamfer		1/4/94	RW
	D) Oil Firing Pin Ass'y		1/4/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
65 Cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock						1/4/94	RW
	K) Assemble Swivel Studs						1/4/94	RW
	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						1/4/94	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						1/4/94	RW
655	Final Inspection							
	A) Headspace						1/4/94	RW
	B) Trigger Pull	2.56	2.64	2.44	2.58	2.49	1/4/94	RW
	C) Function						1/4/94	RW
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225331
11 Jan 1994

CENTROIDAL DISTANCES

0 TO	1	.387386
1 TO	2	.549845
1 TO	3	.715969
1 TO	4	1.28536
1 TO	5	.547814

$\frac{2}{3} + \frac{1}{4}$

<----POA

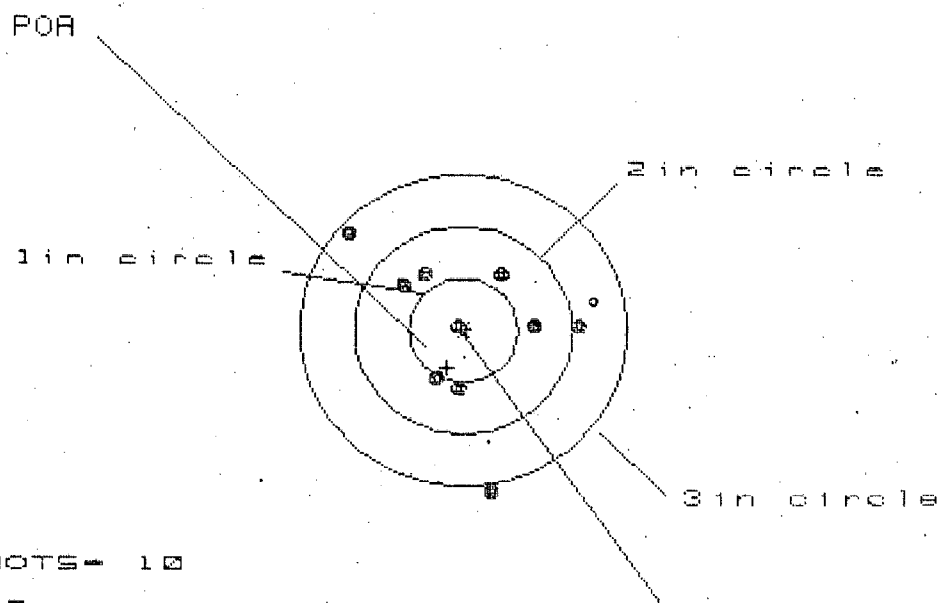
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.37
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0872
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .380137

THE AMR FOR THIS RIFLE IS: .9096

11 Jan 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C6225331

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 2.089

VS= 2.545

GS= 2.860

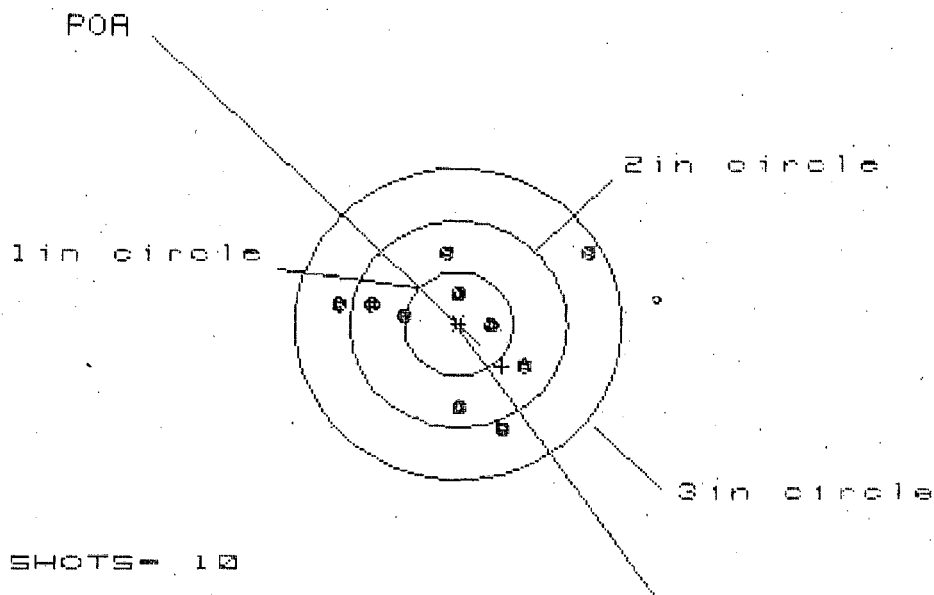
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.058	1.088	.963
MINIMUM X	-1.031	-1.001	-.660
MAXIMUM Y	.987	.813	.495
MINIMUM Y	-1.558	-.716	-.614
CENTROID X	.148	.118	.243
CENTROID Y	.358	.532	.430
POR TO CENTROID in.	.388	.545	.494
MIN RADIUS	.079	.176	.186
MEAN RADIUS	.789	.697	.616
MAX RADIUS	1.582	1.290	.963
HORIZONTAL SPREAD	2.089	2.089	1.623
VERTICAL SPREAD	2.545	1.529	1.109
EXTREME SPREAD	2.860	2.284	1.662
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

11 Jan 1994

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 7

3 in - 10

HS = 2.244

VS = 1.790

GS = 2.311

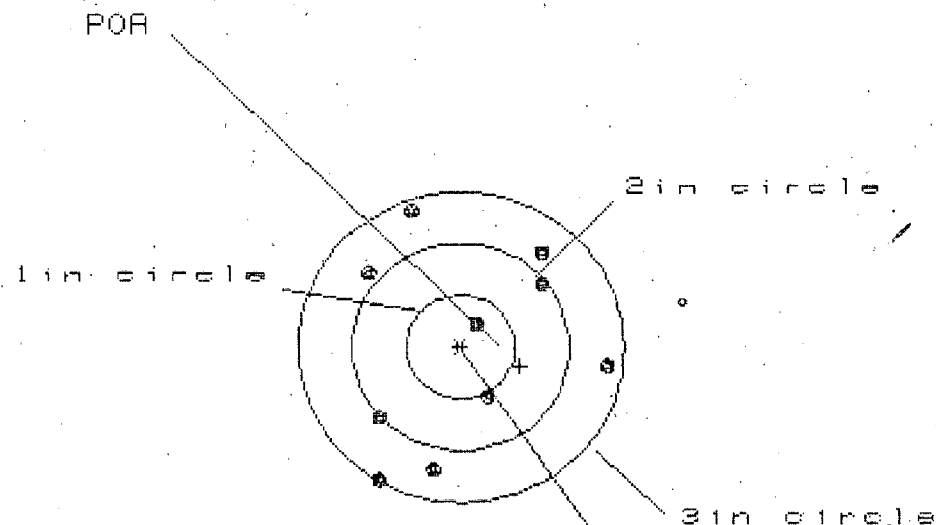
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.171	.777	.846
MINIMUM X	-1.073	-.943	-.874
MAXIMUM Y	.740	.788	.667
MINIMUM Y	-1.050	-.968	-.814
CENTROID X	-.400	-.530	-.599
CENTROID Y	.403	.321	.442
POA TO CENTROID in.	.568	.620	.744
MIN RADIUS	.295	.414	.304
MEAN RADIUS	.782	.714	.639
MAX RADIUS	1.386	1.113	.971
HORIZONTAL SPREAD	2.244	1.720	1.720
VERTICAL SPREAD	1.790	1.756	1.481
EXTREME SPREAD	2.311	1.940	1.830
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

11 Jan 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C6225331

CENTERFIRE PATTERNS # 3



OF SHOTS- 10
IN CIR
1 in = 1
2 in = 3
3 in = 10
HS= 2.192
VS= 2.565
GS= 2.587

CENTROID *

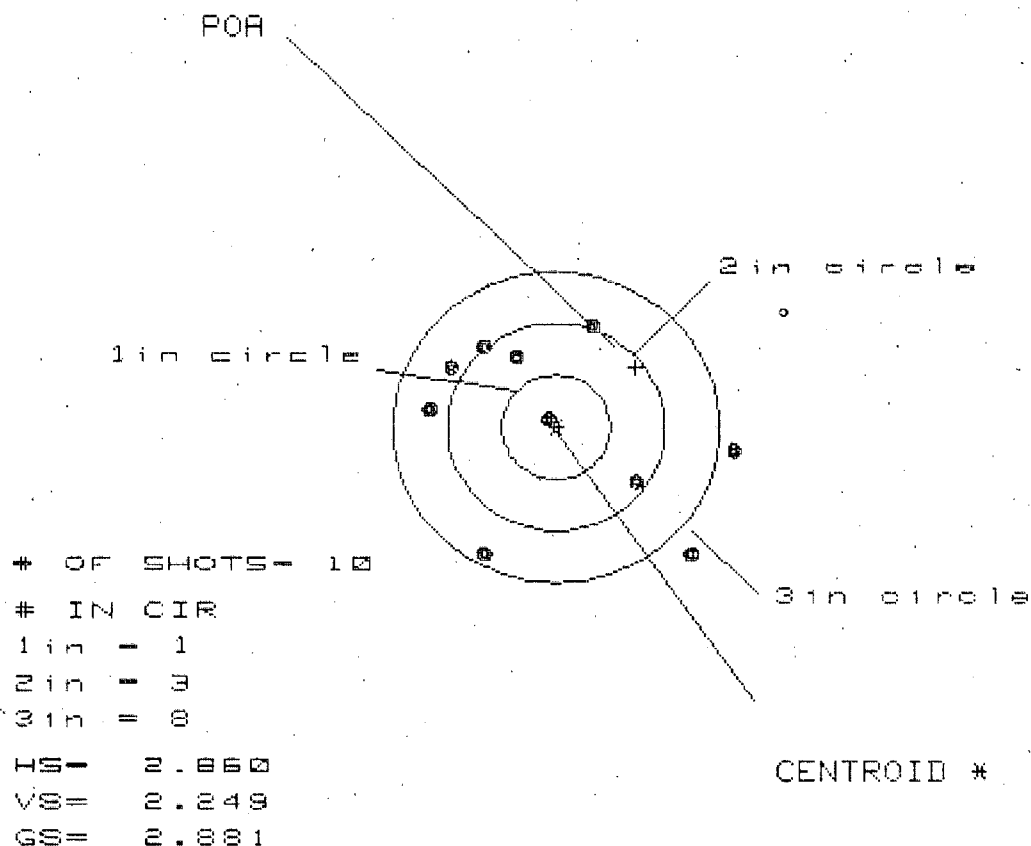
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.342	1.259	1.185
MINIMUM X	-.850	-.933	-1.006
MAXIMUM Y	1.316	1.177	.897
MINIMUM Y	-1.249	-1.280	-1.132
CENTROID X	-.546	-.463	-.389
CENTROID Y	.182	.321	.173
POR TO CENTROID in.	.575	.563	.426
MIN RADIUS	.223	.063	.216
MEAN RADIUS	1.049	.979	.937
MAX RADIUS	1.455	1.332	1.267
HORIZONTAL SPREAD	2.192	2.192	2.192
VERTICAL SPREAD	2.565	2.457	2.030
EXTREME SPREAD	2.587	2.466	2.391
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	10		

11 Jan 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C6225331

CENTERFIRE PATTERNS

4

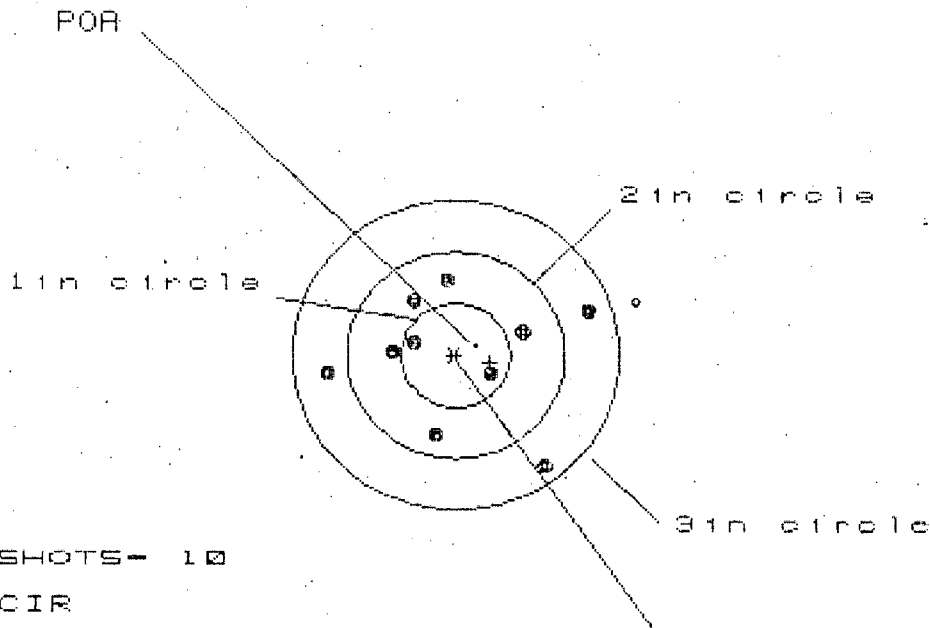


PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.646	1.782	1.102
MINIMUM X	-1.214	-1.078	-.855
MAXIMUM Y	.977	.836	.795
MINIMUM Y	-1.272	-1.413	-1.454
CENTROID X	-.734	-.870	1.093
CENTROID Y	-.577	-.436	-.395
POA TO CENTROID in.	.933	.974	1.162
MIN RADIUS	.109	.112	.296
MEAN RADIUS	1.116	1.004	.876
MAX RADIUS	1.764	1.813	1.488
HORIZONTAL SPREAD	2.860	2.860	1.957
VERTICAL SPREAD	2.249	2.249	2.249
EXTREME SPREAD	2.881	2.881	2.481
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

11 Jan 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C6225331

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.484

VS= 1.889

GS= 2.565

CENTROID #

PATTERN #	15	16	17
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.253	1.342	.870
MINIMUM X	-1.231	-1.142	-.975
MAXIMUM Y	.724	.603	.643
MINIMUM Y	-1.086	-.864	-.825
CENTROID X	-.318	-.407	-.574
CENTROID Y	.070	.190	.151
POR TO CENTROID in.	.325	.449	.594
MIN RADIUS	.297	.340	.189
MEAN RADIUS	.812	.731	.623
MAX RADIUS	1.348	1.378	1.015
HORIZONTAL SPREAD	2.484	2.484	1.945
VERTICAL SPREAD	1.889	1.467	1.467
EXTREME SPREAD	2.565	2.565	1.895
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		