

G-6360920
Replace
C-6225226

Repair Inquiry

Repair Number: **RE00085938**

Serial: C6225226 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair:

Status:

Closed 10/4/2004 10:57:14 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: **TRANSPORTATION OFFICER**

TRANSPORTATION OFFICER

Address 1: **SENSITIVE STORAGE**

SENSITIVE STORAGE

Address 2: **BLDG 9660**

PO Box:

BLDG 9660

PO Box:

City: **FORT LEWIS**

FORT LEWIS

State: **WA**

Zip Code: **98433**

Country: **US**

State: **WA**

Zip Code: **98433**

Country: **US**

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: **253 967 5516**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A017	Scope Bases	3

Repair Search

Refresh

Close

maglet

10/4/2004

11:26 AM

CAPS

NUM

INS

SQL

start

3

4

Arms Services Repair

G 6360920 New

Serial Number: **C6225226**

Model: **M24 SWS**



RE00085938

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6360920.___0
FILE DATE AND TIME: 11/08/2004 02:40

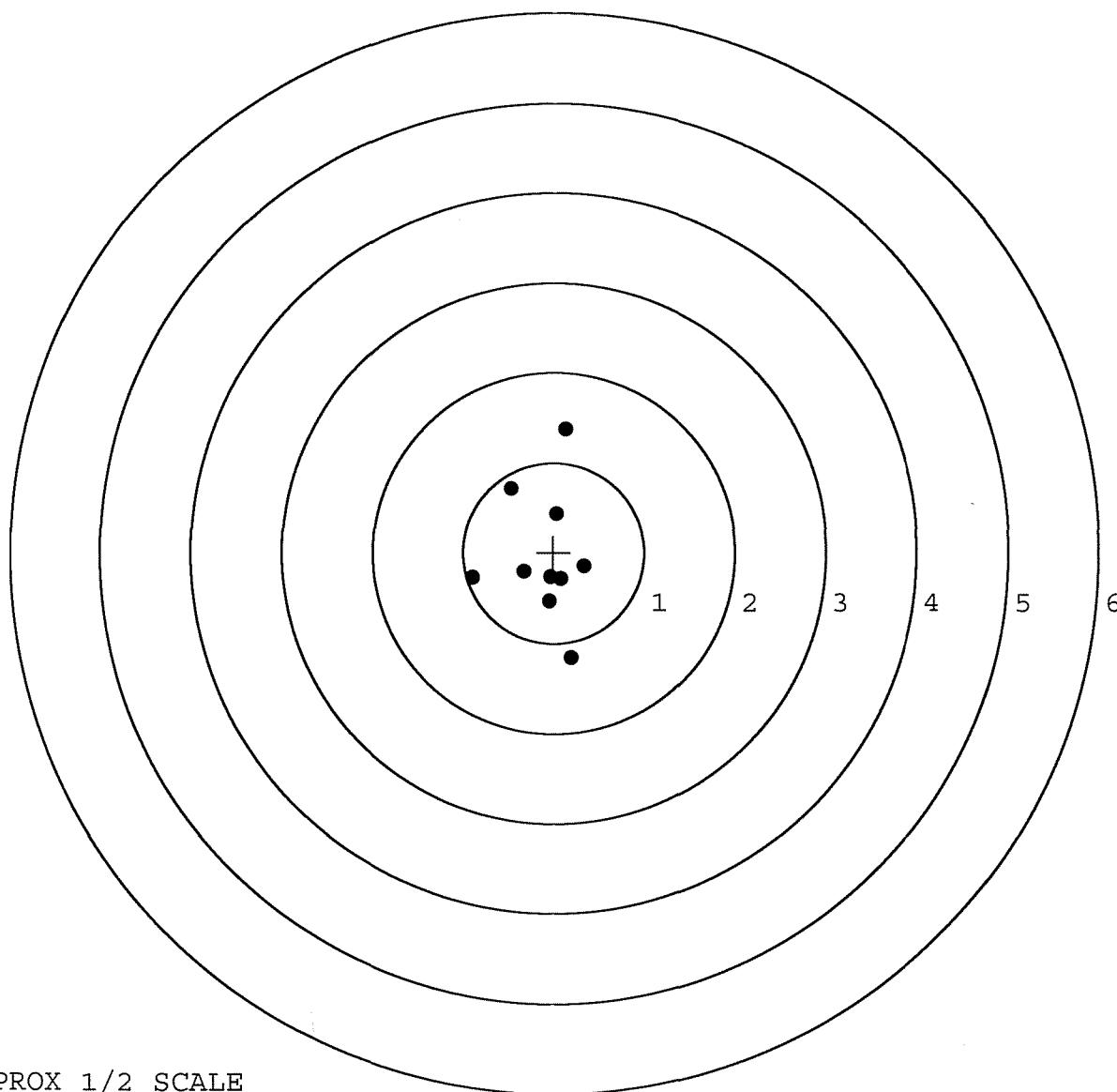
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.029
The Average Y Centroid of the Five Target Set:	0.016
The Average Point of Impact of the Five Target Set:	0.033
The Average Mean Radius of the Five Target Set:	0.573
The Distance from POA to Centroid Target #1:	0.111
The Distance from Centroid Target #2 to Centroid Target #1:	0.020
The Distance from Centroid Target #3 to Centroid Target #1:	0.597
The Distance from Centroid Target #4 to Centroid Target #1:	0.116
The Distance from Centroid Target #5 to Centroid Target #1:	0.057

SERIAL NUMBER: G6360920. __0
TARGET NUMBER: 1
FILE DATE: 11/08/2004
FILE TIME: 02:40

X CENTROID: -0.102
Y CENTROID: -0.043
POA TO CENTROID: 0.111
HORZ SPREAD: 1.232
VERT SPREAD: 2.533
GROUP SPREAD: 2.534
MIN RADIUS: 0.242
MAX RADIUS: 1.433
MEAN RADIUS: 0.654
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.198	-1.163
2:	-0.053	-0.543
3:	-0.330	-0.215
4:	0.080	-0.298
5:	0.334	-0.159
6:	0.028	0.428
7:	-0.474	0.708
8:	0.133	1.370
9:	-0.898	-0.285
10:	-0.035	-0.276

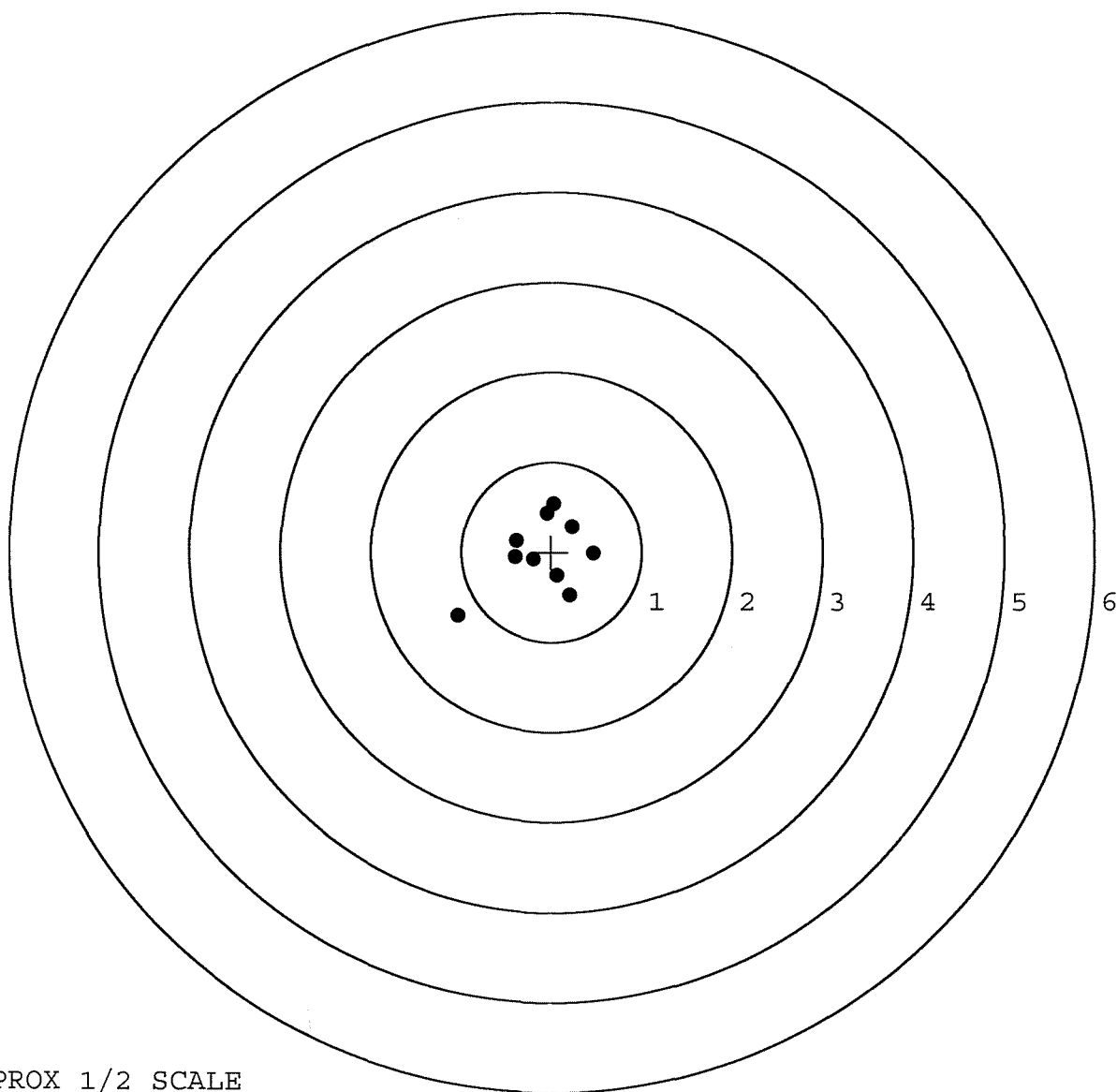


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360920. 0
TARGET NUMBER: 2
FILE DATE: 11/08/2004
FILE TIME: 02:40

X CENTROID: -0.112
Y CENTROID: -0.026
POA TO CENTROID: 0.115
HORZ SPREAD: 1.495
VERT SPREAD: 1.255
GROUP SPREAD: 1.651
MIN RADIUS: 0.105
MAX RADIUS: 1.153
MEAN RADIUS: 0.478
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.034	-0.718
2:	-0.403	-0.064
3:	-0.393	0.123
4:	-0.202	-0.080
5:	0.066	-0.262
6:	0.206	-0.486
7:	0.461	-0.017
8:	0.220	0.281
9:	-0.059	0.428
10:	0.020	0.537

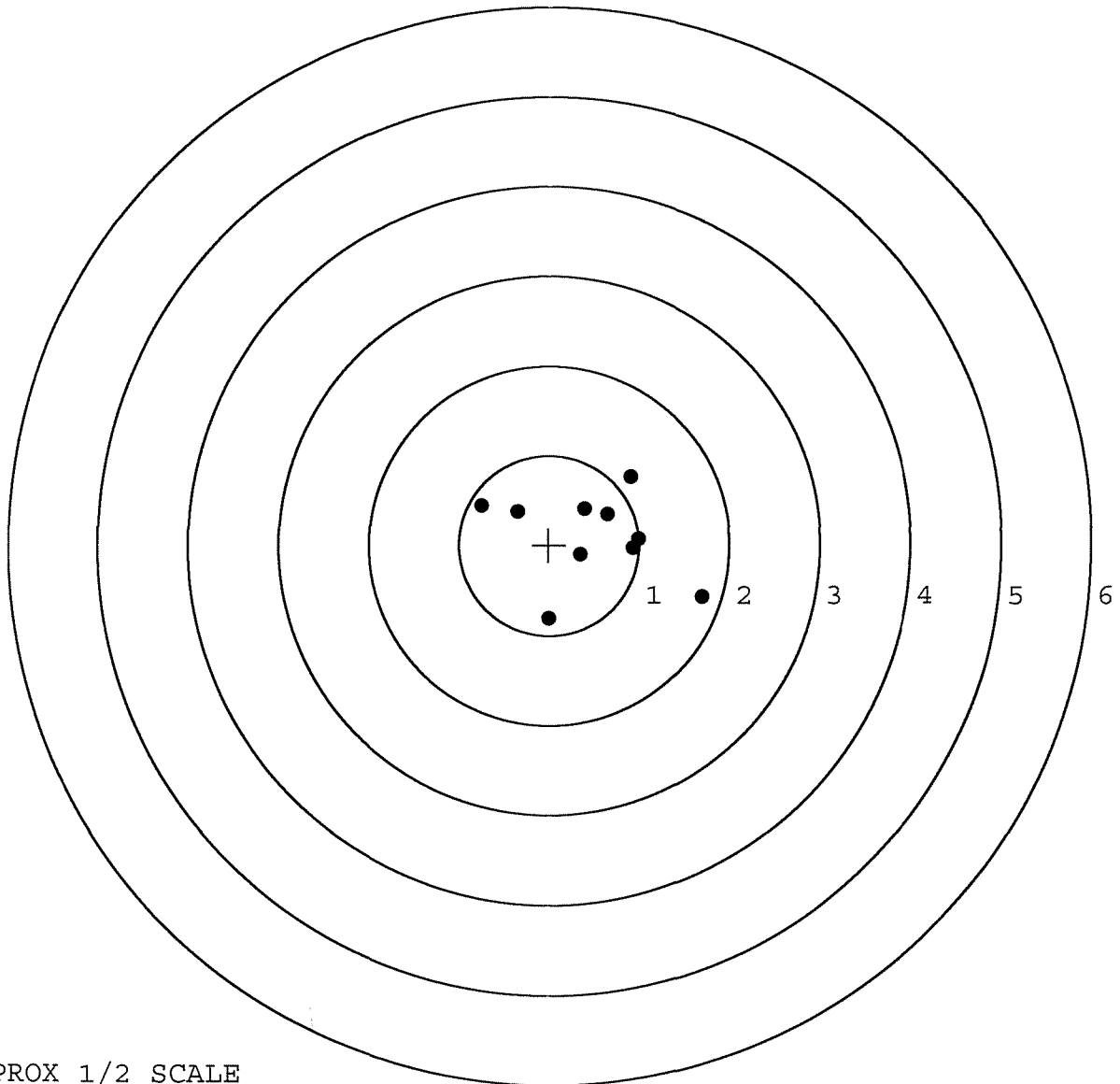


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360920.____0
TARGET NUMBER: 3
FILE DATE: 11/08/2004
FILE TIME: 02:40

X CENTROID: 0.481
Y CENTROID: 0.085
POA TO CENTROID: 0.488
HORZ SPREAD: 2.452
VERT SPREAD: 1.577
GROUP SPREAD: 2.651
MIN RADIUS: 0.234
MAX RADIUS: 1.381
MEAN RADIUS: 0.723
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.756	0.437
2:	-0.356	0.367
3:	0.006	-0.817
4:	0.348	-0.107
5:	0.390	0.405
6:	0.641	0.343
7:	0.906	0.760
8:	0.997	0.072
9:	0.937	-0.036
10:	1.696	-0.572



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360920. 0

TARGET NUMBER: 4

FILE DATE: 11/08/2004

FILE TIME: 02:40

X CENTROID: -0.051

Y CENTROID: 0.060

POA TO CENTROID: 0.079

HORZ SPREAD: 1.238

VERT SPREAD: 1.511

GROUP SPREAD: 1.511

MIN RADIUS: 0.167

MAX RADIUS: 0.953

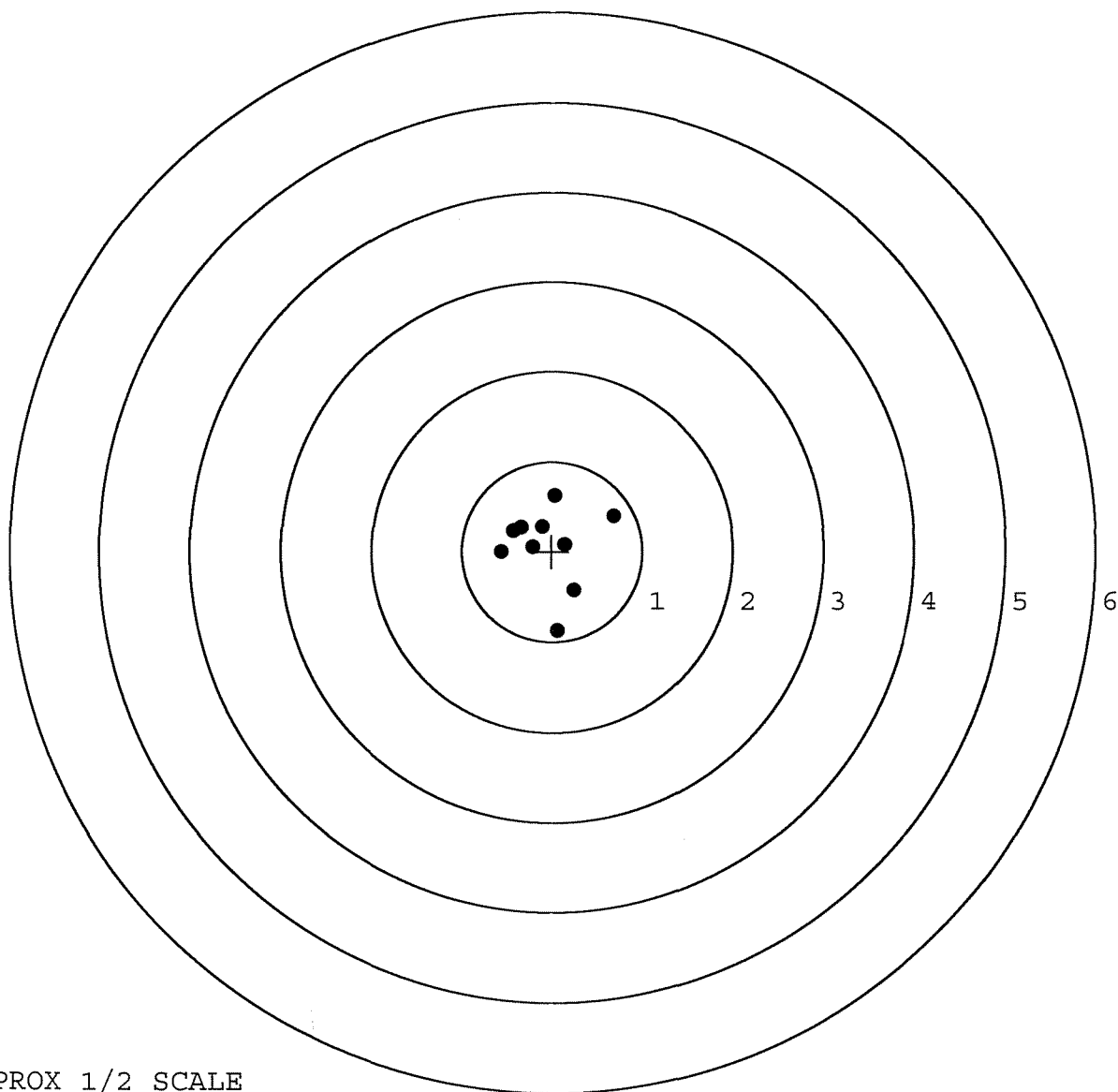
MEAN RADIUS: 0.478

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.562	-0.008
2:	-0.217	0.052
3:	-0.428	0.230
4:	-0.341	0.270
5:	-0.114	0.277
6:	0.033	0.625
7:	0.144	0.080
8:	0.676	0.400
9:	0.241	-0.435
10:	0.061	-0.886

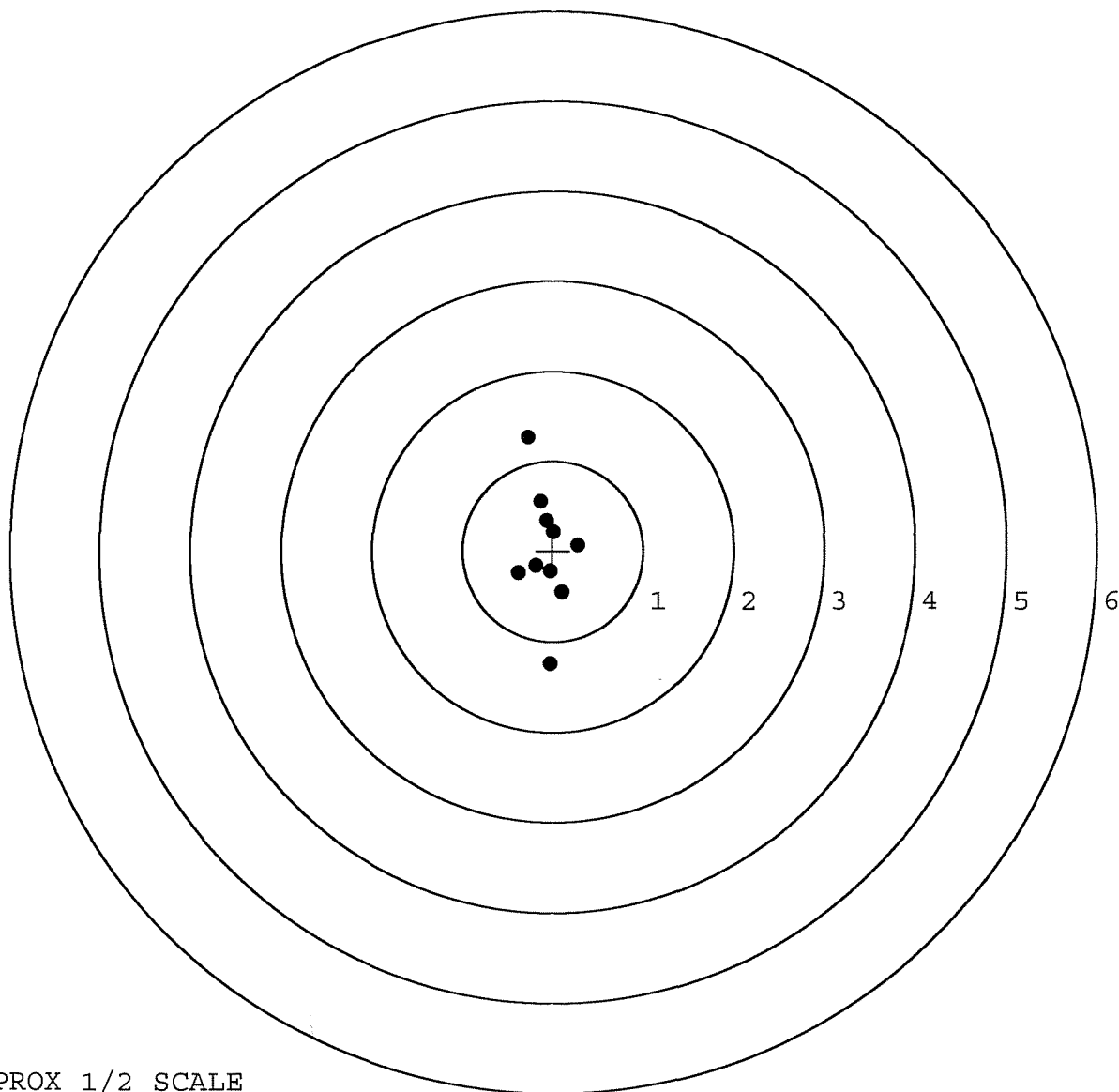


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6360920.____0
TARGET NUMBER: 5
FILE DATE: 11/08/2004
FILE TIME: 02:40

X CENTROID: -0.073
Y CENTROID: 0.006
POA TO CENTROID: 0.073
HORZ SPREAD: 0.657
VERT SPREAD: 2.517
GROUP SPREAD: 2.529
MIN RADIUS: 0.209
MAX RADIUS: 1.278
MEAN RADIUS: 0.534
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.380	-0.252
2:	-0.190	-0.167
3:	-0.031	-0.231
4:	0.106	-0.466
5:	0.277	0.066
6:	0.013	0.209
7:	-0.068	0.334
8:	-0.140	0.548
9:	-0.283	1.266
10:	-0.032	-1.251



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	85938		
SERIAL NUMBER	C6225226		C6360920(Ncu)
LOG-IN DATE	10-4-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-13-04	RTL
560 A	RE-BARREL	10-14-04	RTL
B	DRILL AND TAP	10-19-04	TRW
575	ASSEMBLE	10-15-04	RTL
600	PROOF	10-18-04	RTL
605	CHECK HEADSPACE	10-18-04	RTL
610	DIS-ASSEMBLE GUN	10-19-04	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	10/20/04	LB
618	ROTO-BLAST	10-22-04	LB
620	APPLY COATINGS	10/26/04	HP
625 A	FINAL ASSEMBLY	11-1-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-6-04	RTL
655	FINAL INSPECT	11-8-04	RTL
660	PACK	11-8-04	DA
		SHIP DATE	
		QAR INSPECTION DATE	

RECEIVING AND ESTIMATING REPORT

R 94-24906

INITIAL FPS	CUSTOMER ORDER NO.	M-24 SNIPER			
DATE RECEIVED 08/29/94	DATE OPENED 08/30/94	DATE CODE	SERIAL NUMBER C622522 ⁶ 00	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO
ACCESSORIES W/STUDS		SCOPE MNTS		SCOPE BASE	

FROM:

SHIP TO:

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS

WA 98433

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS

WA

98433

CUST NO: 062072 C.O.D.L

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA UPS
GUN CONDITION					REPAIR CHARGE
☐ NEW					EXCISE
☐ LIGHTLY WORN					TAX
☐ WORN					INSURANCE
☐ VERY WORN					UPS
☐ UNREPAIRABLE					PARCEL POST
☐ MARRED					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 <i>New Barrel</i>						

PARTS	COMMENTS				
<i>Barrel</i>	<i>96003</i>				
<i>Repmender Coat Trigger Guard Assy. Front & Rear Sight Bases Rezing Scope Base, Rings & Swivel Studs</i>					
REPAIRMAN <i>RW</i>	PROOF <i>✓</i>	CLEAN <i>✓</i>	TEST <i>✓</i>	TARGET <i>✓</i>	PATTERN
GALLERY TESTER <i>RW</i>	DATE <i>9/1/94</i>	DATE <i>9/13/94</i>	DATE <i>9/13/94</i>	DATE <i>9/13/94</i>	DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

M2400083896

MAINTENANCE REQUEST				PAGE NO 1	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. 94241		WESDC		ORG. PD 02		PD AUTHENTICATION <i>[Signature]</i>	
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION Bn Arms HAC 2/75 Rgr Rgt		B. LOCATION Fort Lewis Wa			C. UNIT IDENT CODE WH3MA17		
2. SERIAL NO. C6225220		3. NOUN NOMENCLATURE M245WS		4. LINE NO.		5. MODEL 1724		6. NATIONAL STOCK NUMBER 1005-01-240-2136	
7A. MAINTENANCE ACTIVITY Remington Arms Co		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 ☐ B Handling ☐ D Normal Op ☐ F Inspection ☐ H Other					☐ 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). This weapon has fired over 10,000 Rds. During Bench Rest Test Fire at 200/300 Yds, groups were shot exceeding the criteria of 2.6" at 200 & 3.8" at 300 Yds (5-10 shot groups). The action was provided us by Mr Jim Glenn ARDCE DSN 880-7071									
B. REMARKS Request ReBarreling and Complete Weapon Reconditioning									
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>Ray Feller</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY	
JULIAN DATE 4235		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE	
					28. DISPOSITION (Select One)				
					☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged				

Final Inspection

Sn: C6225226	DATE REC'D: 8/29/94	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: _____

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225226
15 Sep 1994

CENTROIDAL DISTANCES

0 TO	1	.255441
1 TO	2	.557754
1 TO	3	.435332
1 TO	4	.433518
1 TO	5	.297257

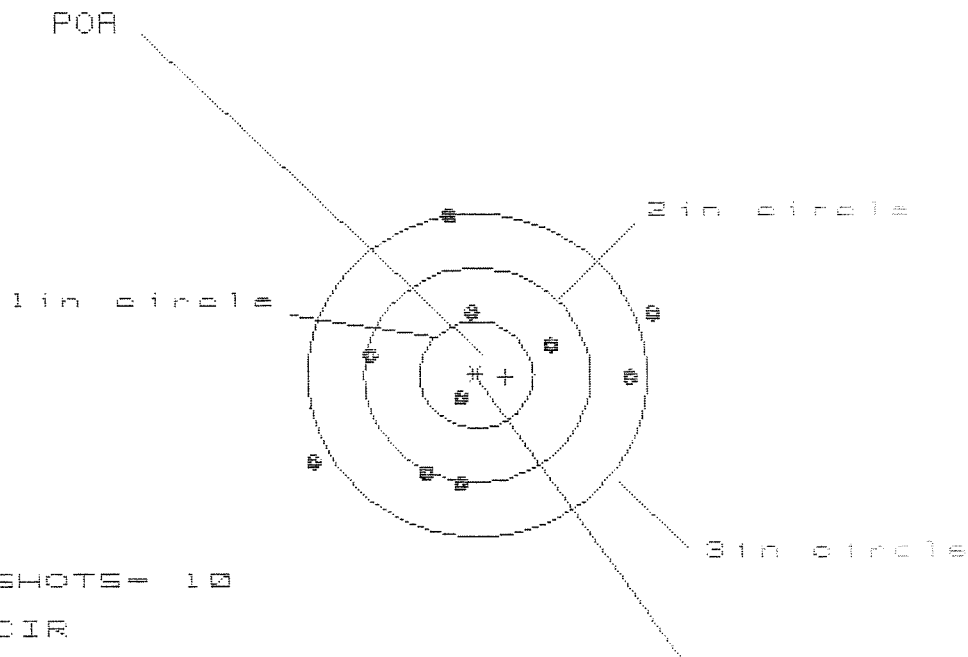
$\frac{3}{514}$ -----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1286
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .073
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .147875
THE AMR FOR THIS RIFLE IS: .996

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C6225226

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 2.980

VS= 2.497

GS= 3.276

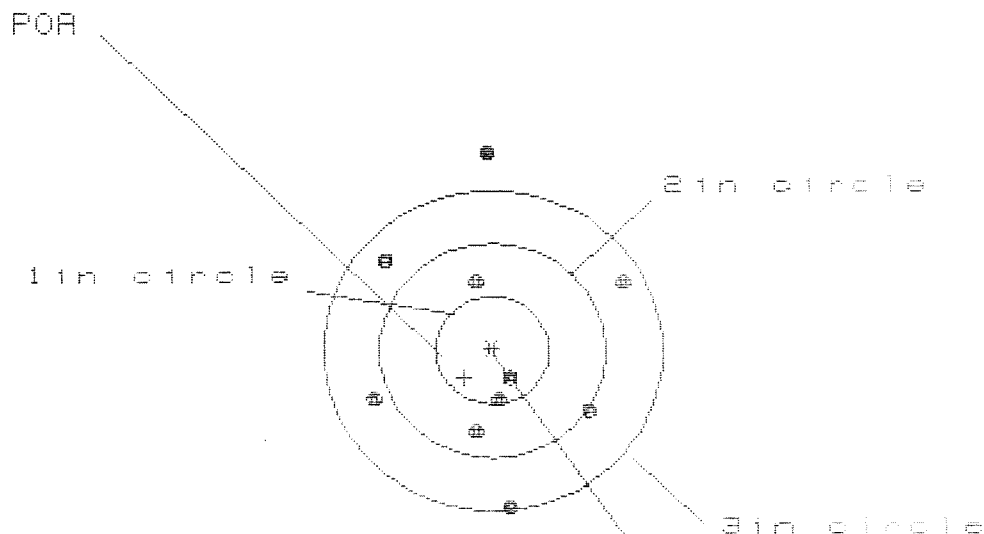
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.524	1.363	1.318
MINIMUM X	:	-1.456	-1.141	-1.971
MAXIMUM Y	:	1.457	1.370	1.430
MINIMUM Y	:	-1.040	-1.127	-1.067
CENTROID X	:	-.255	-.094	-.264
CENTROID Y	:	.015	.102	.042
POA TO CENTROID in.	:	.256	.139	.267
MIN RADIUS	:	.305	.479	.322
MEAN RADIUS	:	1.076	1.008	.934
MAX RADIUS	:	1.655	1.447	1.446
HORIZONTAL SPREAD	:	2.980	2.504	2.289
VERTICAL SPREAD	:	2.497	2.497	2.497
EXTREME SPREAD	:	3.276	2.532	2.499
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C6225286

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.212

VS= 3.361

GS= 3.366

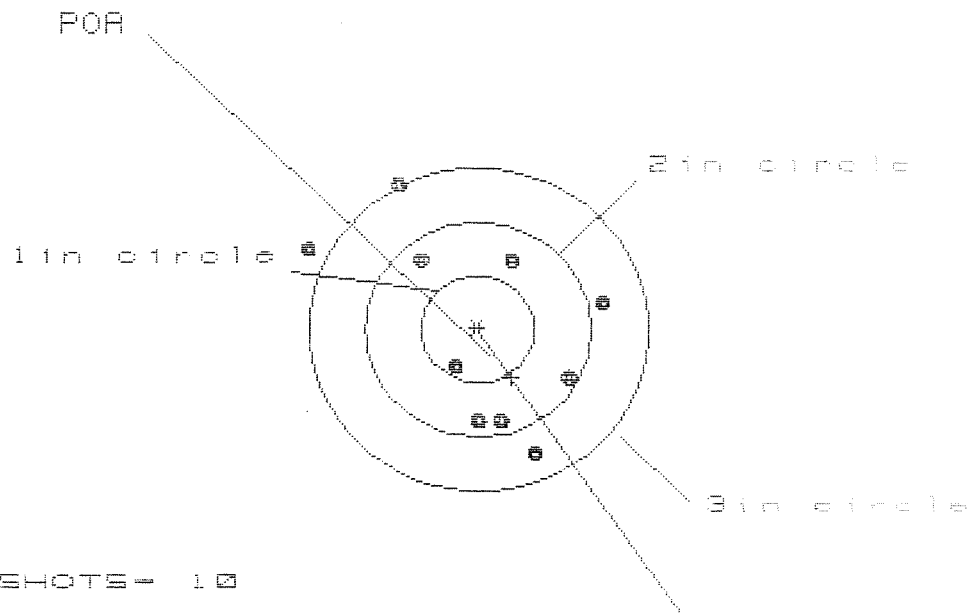
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.139	1.137	1.158
MINIMUM X	:	-1.073	-1.075	-1.054
MAXIMUM Y	:	1.079	1.039	.880
MINIMUM Y	:	-1.482	-1.273	-1.700
CENTROID X	:	.248	.250	.229
CENTROID Y	:	.256	.047	.206
POA TO CENTROID in.	:	.356	.254	.308
MIN RADIUS	:	.331	.171	.298
MEAN RADIUS	:	1.037	.892	.866
MAX RADIUS	:	1.879	1.435	1.331
HORIZONTAL SPREAD	:	2.212	2.212	2.212
VERTICAL SPREAD	:	3.361	2.312	1.580
EXTREME SPREAD	:	3.366	2.584	2.444
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/08225228

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 3

HS= 2.573

VS= 2.482

GS= 2.785

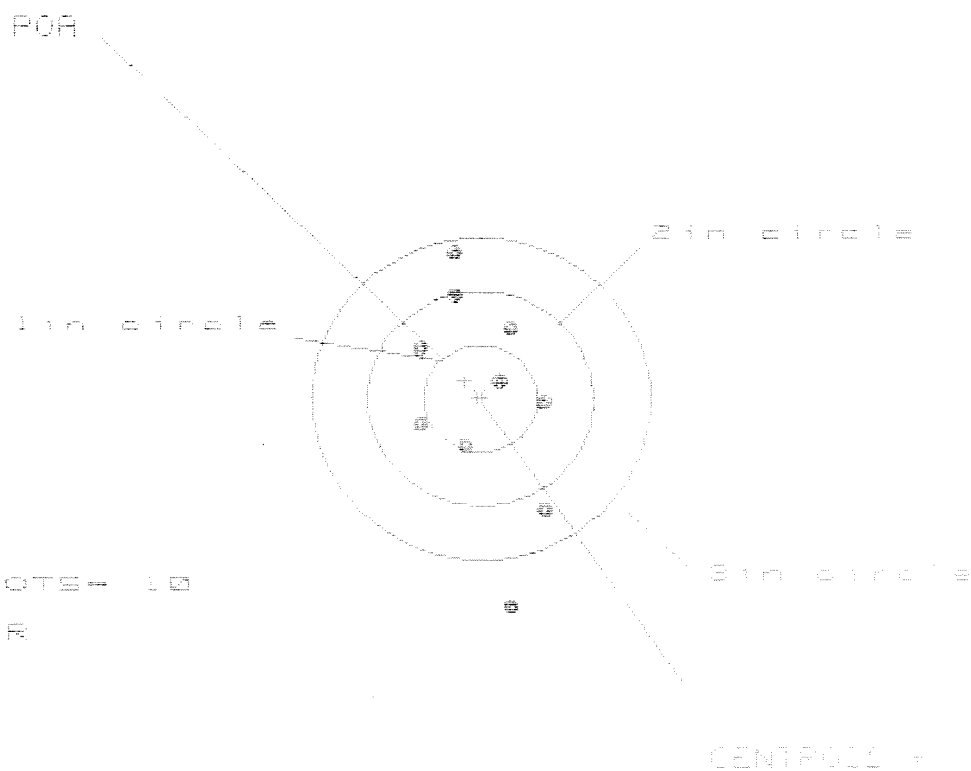
CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.090	.925	.821
MINIMUM X	-1.483	-.836	-.747
MAXIMUM Y	1.308	1.396	.929
MINIMUM Y	-1.174	-1.086	-.911
CENTROID X	-.300	-.135	-.031
CENTROID Y	.448	.360	.185
POA TO CENTROID in.	.539	.384	.188
MIN RADIUS	.418	.468	.497
MEAN RADIUS	1.007	.907	.780
MAX RADIUS	1.682	1.627	1.156
HORIZONTAL SPREAD	2.573	1.761	1.568
VERTICAL SPREAD	2.482	2.482	1.840
EXTREME SPREAD	2.785	2.739	2.037
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

15 Sep 1984

FILE:/PATTERNING/CENTERFIRE_PATT/06223226

CENTERFIRE PATTERNS # 4



* OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 1.101

VS= 3.255

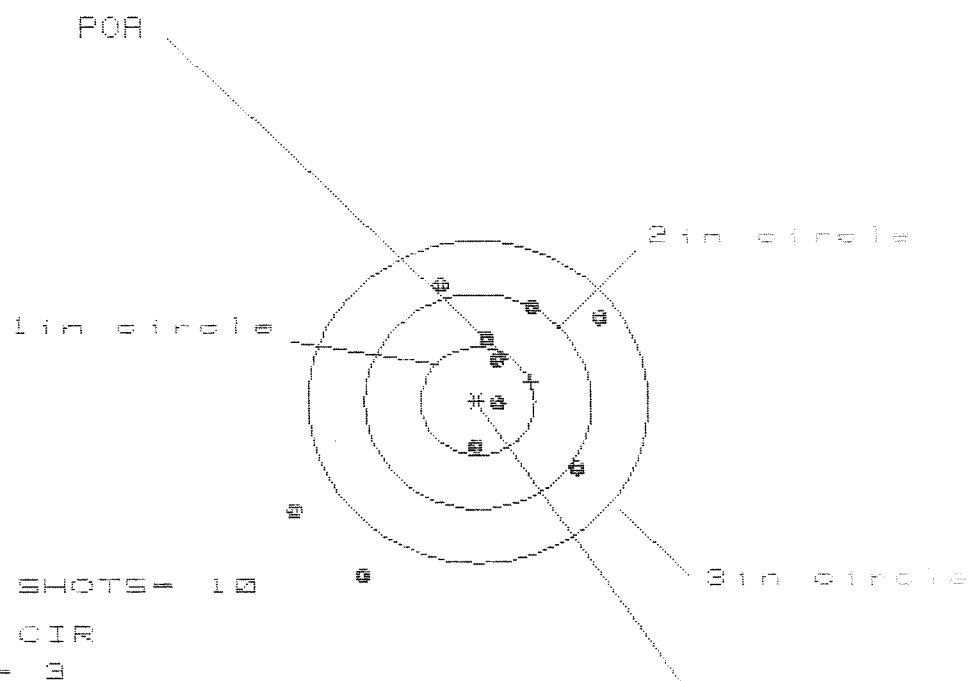
GS= 3.298

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.540	.564	.536
MINIMUM X	:	-.561	-.537	-.565
MAXIMUM Y	:	1.340	1.128	.679
MINIMUM Y	:	-1.915	-1.241	-1.101
CENTROID X	:	.138	.114	.142
CENTROID Y	:	-.168	.044	-.096
POA TO CENTROID in.	:	.215	.122	.172
MIN RADIUS	:	.256	.181	.201
MEAN RADIUS	:	.856	.721	.664
MAX RADIUS	:	1.928	1.354	1.213
HORIZONTAL SPREAD	:	1.101	1.101	1.101
VERTICAL SPREAD	:	3.255	2.369	1.979
EXTREME SPREAD	:	3.298	2.491	2.101
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Sep 1984

FILE:/PATTERNING/CENTERFIRE_PATT/08225226

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 8

HS= 2.717

VS= 2.686

GS= 3.293

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.083	.902	.757
MINIMUM X	:	-1.634	-1.160	-.609
MAXIMUM Y	:	1.107	.989	.777
MINIMUM Y	:	-1.579	-1.697	-.950
CENTROID X	:	-.474	-.293	-.148
CENTROID Y	:	-.186	-.068	.144
POA TO CENTROID in.	:	.509	.301	.207
MIN RADIUS	:	.165	.144	.130
MEAN RADIUS	:	.994	.837	.653
MAX RADIUS	:	1.949	2.056	1.101
HORIZONTAL SPREAD	:	2.717	2.062	1.366
VERTICAL SPREAD	:	2.686	2.686	1.726
EXTREME SPREAD	:	3.293	3.147	2.083
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

CONTRACT # DAAA21-87-C-0086

New Barrel

GUN SERIAL # C6225226

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		9/1/94	RW
600	Proof		9/1/94	RW
607	Check Headspace		9/1/94	RW
610	Dis-assemble Gun		9/1/94	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		9/2/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/2/94	RW
	C) Inspect Ejector Hole for Chamfer		9/2/94	RW
	D) Oil Firing Pin Ass'y		9/2/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/2/94	RW

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						9/12 OK	WB
	A) Time						9/12	WB
	B) Malfunctions						9/12 OK	WB
	C) Pierced Primers						9/12 OK	WB
	D) Optical Clarity of Scope						9/12 OK	WB
645	Inspect for Live Ammo						9/12/94	RW
655	Final Inspection							
	A) Headspace						9/14/94	RW
	B) Trigger Pull	2.50	2.67	2.66	2.70	2.69	9/14/94	RW
	C) Function						9/14/94	RW
660	Pack							

1a. UIC CUSTOMER W43, MA, A		1b. CUSTOMER UNIT NAME HH-275 RGR. RGT.		1c. PHONE NO 967-8055		3a. WORK ORDER NUMBER (WON)		3b. SHOP		3c. PHONE NO										
2a. SAMS-2 UIC/SAMS-I/TDA			2b. UTILIZATION CODE			2c. MCSR			4a. UIC SUPPORT UNIT			4b. SUPPORT UNIT NAME								
SECTION III - EQUIPMENT DATA																				
5. TYPE MNT REQ CODE			6. ID			7. NSN 1095412402136			15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751											
8. MODEL 7724									15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751			16. MILES/KILOMETERS/HOURS/ROUNDS M K								
9. NOUN Sniper Weapons System												H R								
10a. ORG WON/DOC NO 78275100			10b. EIC																	
11. SERIAL NUMBER 66225226			12. QTY 1			13. PD 05			17. PROJECT CODE (if assigned)			18. ACCOUNT PROCESSING CODE			19. IN WARRANTY? (enter Y or N)			20. ADMIN NO		
14. MALFUNCTION DESCRIPTION (for DSU, GSU/AVIM, DEPOT use)									21. REIMBURSABLE CUSTOMER (if Intransit customer enter Y or N)											
									22. LEVEL OF WORK			23. SIGNATURE								
24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs) Bolt does not stay in when recocking or pulling Bolt to the rear. Barrel Groups are over 6" at 300 meters																				
25. REMARKS Sight Mount Left On. PDC: Mr Ray Fuller Bu Amr DSN: 357-8055																				

PREPARATION INSTRUCTIONS FOR THIS PAGE

SECTION I

Block 1a. Enter UIC of submitting organization.
 Block 1b. Enter name of submitting organization.
 Block 1c. Enter number to be called when maint. is completed.
 Block 2a. Enter UIC of supporting SAMS-2/SAMS-I/TDA if work is requested while intransit and away from your support maintenance unit.
 Block 2b. Enter utilization code. See DA Pamphlets 738-750 and 738-751.
 Block 2c. Enter "Y" if reportable under AR 700-138. If not, leave blank.

SECTION II

Leave blank. To be completed by the support maintenance DSU/GSU/AVIM/DEPOT.

SECTION III

Block 5. Enter the Type Maintenance Request Code. See DA Pamphlets 738-750 and 738-751.
 Block 6. Enter ID associated with block 7. See DA Pamphlets 738-750 and 738-751.
 Block 7. Enter the NSN or stock number of the item being submitted.
 Block 8. Enter model of item being submitted.
 Block 9. Enter noun/nomenclature of item being submitted.
 Block 10a. Enter Work Order Number (WON)/DOC NO assigned when item is submitted. Otherwise, leave blank.
 Block 10b. Enter End Item Code. See AMDF.
 Block 11. Enter serial number of item being submitted.

SECTION III (Cont'd)

Block 12. Enter the quantity of items being submitted.
 Block 13. Enter the maintenance priority designator determined from DA PAM 710-2-1.
 Block 14. For DSU, GSU/AVIM, DEPOT use.
 Block 15a. Enter the code that most accurately describes when the fault or deficiency was detected. See DA Pamphlets 738-750 and 738-751.
 Block 15b. Select one. Enter the code. See DA Pamphlets 738-750 and 738-751.
 Block 16. Enter the accumulated usage data in blocks, when equipment is subject to usage reporting.
 Block 17. Enter the project code if one has been assigned. If not, leave blank.
 Block 18. See DA Pamphlets 738-750 and 738-751.
 Block 19. Enter "Y" or "N" to indicate whether equipment is still under manufacturer's warranty.
 Block 20. Enter the admin number assigned for property control purposes for the equipment being submitted.
 Block 21. For DSU/GSU/AVIM/Depot use.
 Block 22. Enter level of work performed "O" for UNIT LEVEL/AVUM, "F" for DSU/AVIM, "H" for GSU, "D" for DEPOT, "K" for contractor or "L" for Spc Rpr Act.
 Block 23. Enter the signature of the CO or the CO's designated representative when the priority designator is 01-10. For priority designators 11-15, leave blank.
 Block 24. Enter a brief description of the deficiencies or symptoms that you feel require attention at this level of maint.
 Block 25. Self-explanatory.

34a. SUBMITTED BY Ray Fuller		35a. ACCEPTED BY		35c. DATE	
34b. DATE 8061		35b. STATUS		35d. TIME	

Block 34a. Enter first initial and last name of submitter.
 Block 34b. Enter ordinal date submitted (YYDDD).
 Block 35a. Enter first initial and last name of person accepting maint. request.
 Block 35b. Enter the initial status. See DA Pamphlets 738-750 and 738-751.
 Block 35c. Enter ordinal date accepted (YYDDD).
 Block 35d. Enter military time.

SECTION III - EQUIPMENT DATA

5. TYPE MNT REQ CODE	6. ID	7. NSN 1005012402136	15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751	
8. MODEL M24	9. NOUN Sniper Weapon System		15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751	16. MILES/KILOMETERS/HOURS/ROUNDS M K H R
10a. ORG WON/DOC NO 98275100	10b. EIC		17. PROJECT CODE (if assigned)	18. ACCOUNT PROCESSING CODE
11. SERIAL NUMBER C6225226	12. QTY 1	13. PD 05	19. IN WARRANTY? (enter Y or N)	20. ADMIN NO
14. MALFUNCTION DESCRIPTION (for DSU, GSUI/AVIM, DEPOT use)			21. REIMBURSABLE CUSTOMER (if Intransit customer enter Y or N)	
			22. LEVEL OF WORK	23. SIGNATURE
24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs) Bolt does not stay in when recocking or pulling Bolt to the rear. Barrel Groups are over 6" at 300 meters				
25. REMARKS Sight Mount Left On. PDC: Mr Ray Feller B. Amr DSU: 357-8055				
26. TECHNICAL REFERENCES				

SECTION IV - TASK REQUIREMENTS DATA

27a. FILE INPUT ACT CD	27b. TASK NO	27c. ACT CODE	27d. TASK DESCRIPTION	27e. QTY TO BE RPR	27f. WORK CENTER	27g. FAILURE CODE	27h. MH PROJ	27i. MH EXP

SECTION V - PART REQUIREMENTS

28a. FILE INPUT ACT CD	28b. TASK NO	28c. ID NO	28d. NSN OR PART NUMBER	28e. SFX CD	28f. QTY REQD	28g. QTY ISSUED	28h. NMCS CD	28i. FAILURE CODE	28j. STORAGE LOCATION	28k. INITIALS	28l. COST \$

28m. TOTAL MANHOURS	28n. TOTAL MANHOURS COSTS \$	28o. TOTAL PARTS COSTS \$

SECTION VI - COMPLETION DATA

29. QTY RPR	30. QTY CONDEMN	31. QTY NRTS	32. EVAC WON	33. EVAC UNIT NAME
				SP1/98

SECTION VII - ACTION SIGNATURES

34a. SUBMITTED BY Ray Feller	35a. ACCEPTED BY	35c. DATE	36a. WORK STARTED BY	37a. INSPECTED BY	38a. PICKED UP BY
34b. DATE 8061	35b. STATUS	35d. TIME	36b. STATUS	36c. DATE	36d. TIME
				37b. STATUS	37c. DATE
				37d. TIME	38b. STATUS
					38c. DATE
					38d. TIME

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225226
29 May 1998

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0226
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2356
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .236681

THE AMR FOR THIS RIFLE IS: 1.246

CENTROIDAL DISTANCES

0 TO 1	.305617
1 TO 2	.182584
1 TO 3	.161941
1 TO 4	.113719
1 TO 5	.639513

5 $\begin{matrix} + \\ 2 \\ 3 \\ 14 \end{matrix}$ <----POA

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .655

MIN RADIUS : .781

MEAN RADIUS : 1.431

MAX RADIUS : 2.421

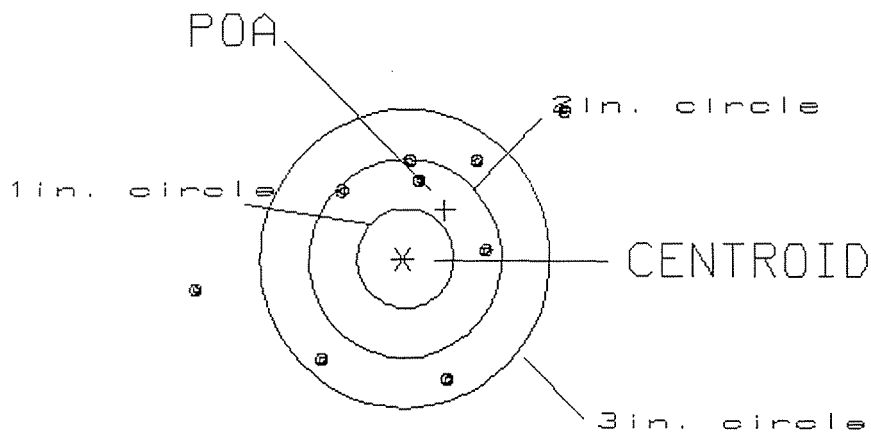
CENTROID X : -.440

CENTROID Y : -.485

29 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225226

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.88

0

VS= 3.87

4

GS= 4.26

7

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .321

MIN RADIUS : .232

MEAN RADIUS : 1.401

MAX RADIUS : 2.707

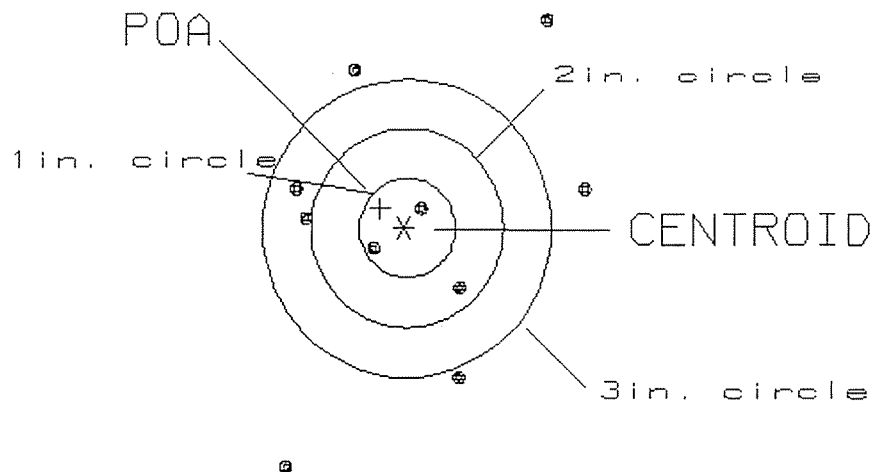
CENTROID X : .253

CENTROID Y : -.197

29 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225226

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.08

2

VS= 4.45

3

GS= 5.20

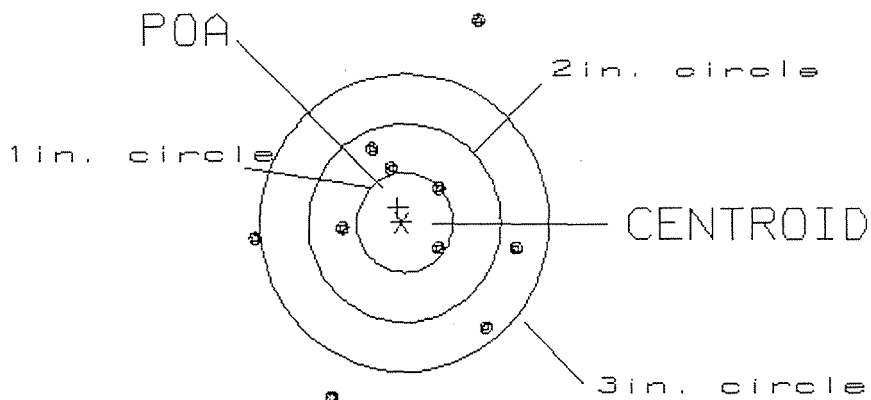
5

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .152
 MIN RADIUS : .432
 MEAN RADIUS : 1.109
 MAX RADIUS : 2.129
 CENTROID X : .046
 CENTROID Y : -.145

29 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225226

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.70

1

VS= 3.80

5

GS= 4.06

7

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .131

MIN RADIUS : .278

MEAN RADIUS : .705

MAX RADIUS : 1.417

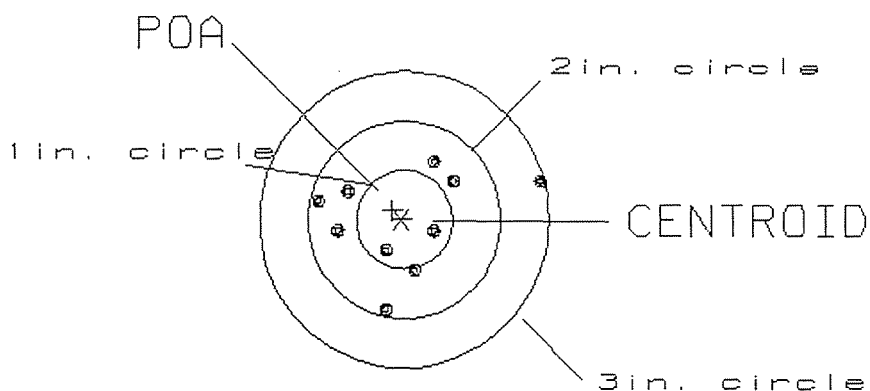
CENTROID X : .095

CENTROID Y : -.090

29 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225226

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.27

2

VS= 1.47

9

GS= 2.28

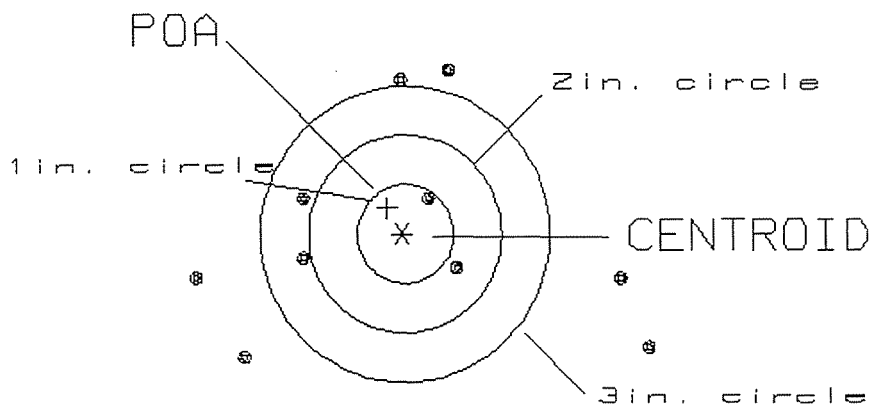
10

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .305
 MIN RADIUS : .407
 MEAN RADIUS : 1.582
 MAX RADIUS : 2.758
 CENTROID X : .159
 CENTROID Y : -.261

29 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225226

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.73

1

VS= 2.87

2

GS= 4.78

4

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225226

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	QUALITY AUDIT	9/88	FB
600	Proof		7/88	RW
607	Check Headspace		7/88	RW
610	Dis-assemble gun			RW
612	Magnaflux Barrel Action		9-14-88	PJC
	Magnaflux Bolt		9-14-88	PJC
615	Rollmark Caliber		10/12	WC
617	Drill & Tap Sight Holes		10/12	FB
618	Polish Barrel		10/70	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		11/3/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/3/88	RW
	C) Inspect Ejector Hole for Chamfer		11/3/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		11/3/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		3 NOV 88	JS
	F) Safety on Force	<u>4</u> <u>4</u> <u>4</u>	4 NOV 88	JS
	G) Safety off Force	<u>3</u> <u>3</u> <u>3</u>	4 NOV 88	JS
	H) Trigger Pull Test & Retainability		3 NOV 88	JS
	I) Firing Pin Indent	<u>.0205</u> <u>.0205</u> <u>.0205</u>	4 NOV 88	JS
	J) Assemble Stock		11/16/88	RW
	K) Assemble Swivel Studs		11/30/88	JS
	L) Attach Front & Rear Sight Assemblies		11/16/88	RW
	M) Iron Sight Alignment		11/16/88	RW
	N) Detach Front & Rear Sights & place in numbered container		11/16/88	RW
	O) Attach Scope to Rifle		11/17/88	WB
	P) Detach & Attach Scope 20 times		11/17/88	WB
640	Gallery Target & Test	58R 94L	11/18/88	DH
	A) Optical Clarity of Scope		11/18/88	DH
645	Inspect for Live Ammo		11/18/88	DH
655	Final Inspection			
	A) Headspace		30 NOV 88	JS
	B) Trigger Pull		30 NOV 88	JS
	C) Function		30 NOV 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. C6225226

DATE 3/10/88

TESTER J. A. + J. S.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.47	2.63	2.77	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.52	2.44	2.56	2.72	
PULL #3	2.52	2.48	2.61	2.61	
PULL #4	2.51	2.44	2.55	2.77	
PULL #5	2.48	2.43	2.58	2.74	
TOTAL	12.56	12.26	12.93	13.61	
AVG.	2.512	2.452	2.586	2.722	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.23		
PULL #2	3.24	3.25		
PULL #3	3.33	3.29		
PULL #4	3.29	3.29		
PULL #5	3.29	3.28		
TOTAL	16.35	16.34		
AVG.	3.27	3.268		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	4.14		4.29
PULL #2	4.03	3.96		4.29
PULL #3	4.04	4.11		4.24
PULL #4	4.08	3.96		4.28
PULL #5	4.09	4.12		4.33
TOTAL	20.32	20.29		21.43
AVG.	4.064	4.058		4.286

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225226

CENTROIDAL DISTANCES

0 TO	1	1.07405
1 TO	2	.439892
1 TO	3	.0666033
1 TO	4	.256018
1 TO	5	.6536

Σ
33

+ (----POA

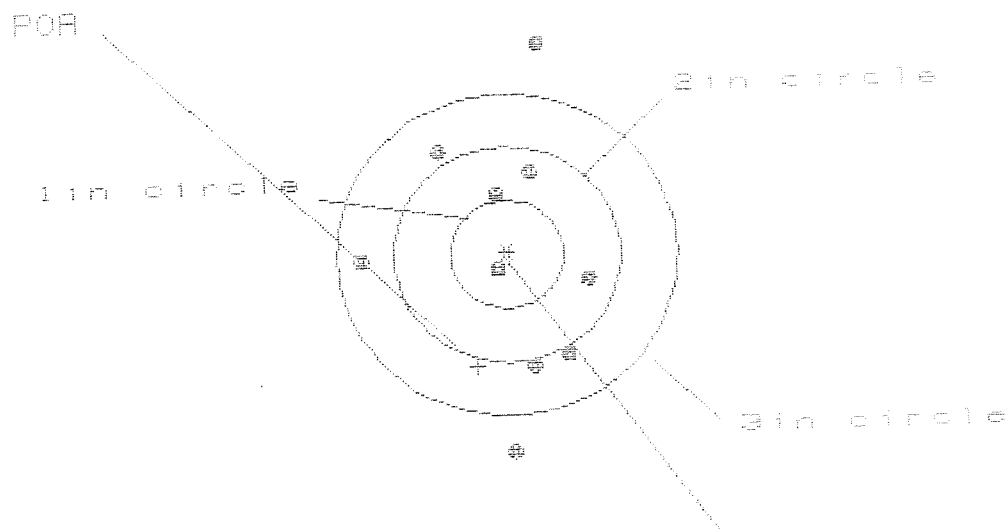
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0358
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.0316
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.03222
THE AMR FOR THIS RIFLE IS: .9289

28 Nov 1988

FILE: \PATTERNING\CENTERFIRE_PATT\06225220

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 1.996

VS = 3.752

GS = 3.763

PATTERN #

1

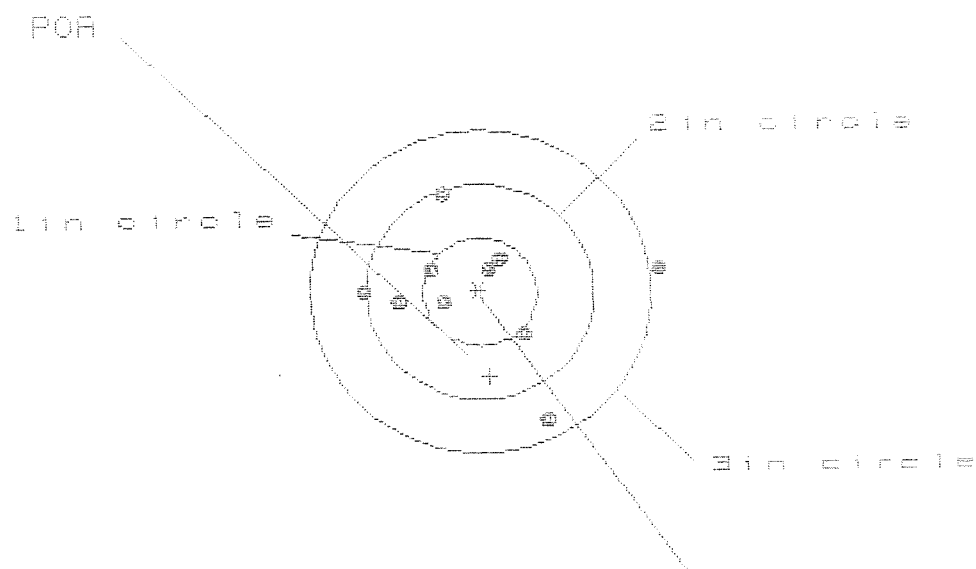
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	.693	.731	.742
MINIMUM X	-1.303	-1.265	-1.254
MAXIMUM Y	1.922	1.220	1.018
MINIMUM Y	-1.830	-1.616	-.979
CENTROID X	.287	.249	.238
CENTROID Y	1.035	.821	1.023
POA TO CENTROID in.	1.074	.858	1.051
MIN RADIUS	.174	.058	.151
MEAN RADIUS	1.065	.953	.858
MAX RADIUS	1.952	1.619	1.254
HORIZONTAL SPREAD	1.996	1.996	1.996
VERTICAL SPREAD	3.752	2.836	1.997
EXTREME SPREAD	3.763	2.902	2.258
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	8	

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225226

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 8

3 in = 6

HS= 2.588

VS= 2.030

CS= 2.603

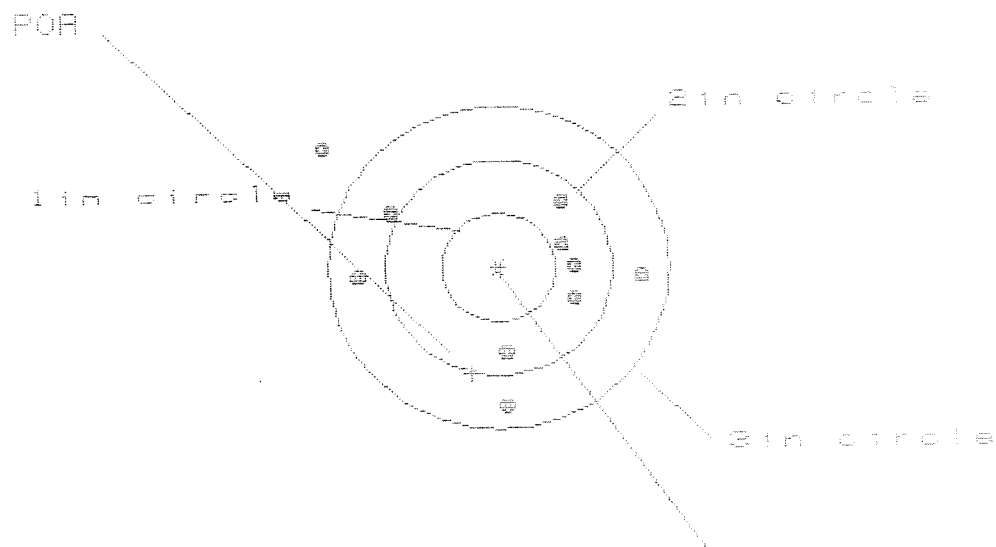
CENTROID #

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.621	.799	.648
MINIMUM X	-.977	-.797	-.697
MAXIMUM Y	.880	.900	.758
MINIMUM Y	-1.150	-1.130	-.519
CENTROID X	-.077	-.257	-.357
CENTROID Y	.788	.768	.910
POA TO CENTROID in.	.791	.810	.977
MIN RADIUS	.201	.158	.142
MEAN RADIUS	.747	.621	.497
MAX RADIUS	1.630	1.384	.830
HORIZONTAL SPREAD	2.598	1.596	1.345
VERTICAL SPREAD	2.030	2.030	1.277
EXTREME SPREAD	2.603	2.259	1.476
NUMBER IN ONE INCH CIRCLE	= 4		
NUMBER IN TWO INCH CIRCLE	= 8		
NUMBER IN THREE INCH CIRCLE	= 9		

26 NOV 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06285326

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 0

HS= 2.782

VS= 2.373

GS= 3.009

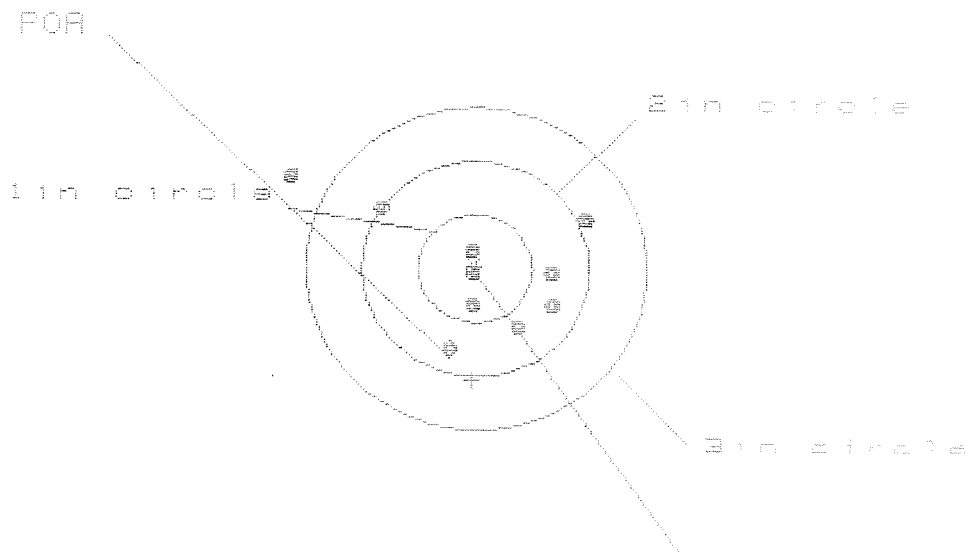
CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.266	1.098	.917
MINIMUM X	-1.516	-1.451	-1.334
MAXIMUM Y	1.101	.718	.723
MINIMUM Y	-1.272	-1.150	-1.145
CENTROID X	.243	.412	.593
CENTROID Y	.985	.863	.858
POA TO CENTROID in.	1.015	.956	1.043
MIN RADIUS	.547	.467	.317
MEAN RADIUS	1.035	.891	.765
MAX RADIUS	1.873	1.451	1.501
HORIZONTAL SPREAD	2.782	2.549	2.251
VERTICAL SPREAD	2.373	1.868	1.868
EXTREME SPREAD	3.009	2.549	2.331
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	9	

26 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225226

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 2.632

VS= 1.626

GS= 2.764

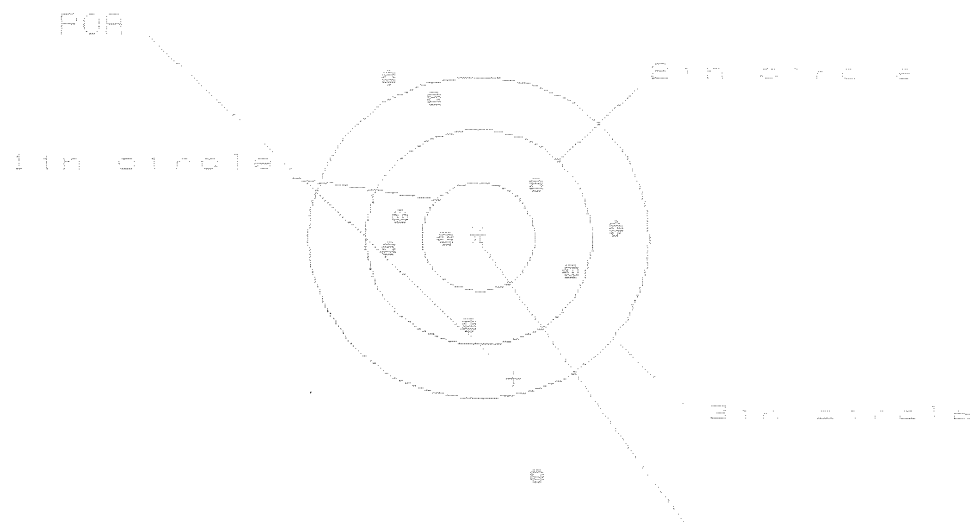
CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.959	.773	.624
MINIMUM X	:	-1.673	-.981	-.884
MAXIMUM Y	:	.895	.705	.780
MINIMUM Y	:	-.731	-.631	-.556
CENTROID X	:	.031	.217	.120
CENTROID Y	:	1.038	.938	.863
POA TO CENTROID in.	:	1.038	.963	.871
MIN RADIUS	:	.038	.191	.161
MEAN RADIUS	:	.743	.595	.532
MAX RADIUS	:	1.898	1.268	1.179
HORIZONTAL SPREAD	:	2.632	1.754	1.568
VERTICAL SPREAD	:	1.626	1.336	1.336
EXTREME SPREAD	:	2.764	1.800	1.800
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

26 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225228

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 1.952

VS= 3.715

GS= 3.914

CENTROID +

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.190	1.241	1.151
MINIMUM X	-1.772	-1.721	-1.734
MAXIMUM Y	1.486	1.238	1.215
MINIMUM Y	-2.229	-1.055	-1.900
CENTROID X	-1.305	-1.356	-1.266
CENTROID Y	1.312	1.560	1.405
FOR TO CENTROID in.	1.347	1.600	1.430
MIN RADIUS	.270	.342	.327
MEAN RADIUS	1.054	.908	.826
MAX RADIUS	2.276	1.433	1.288
HORIZONTAL SPREAD	1.962	1.962	1.935
VERTICAL SPREAD	3.715	2.293	2.115
EXTREME SPREAD	3.914	2.436	2.137
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		