

C6225181

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smith & Wesson®

Aims 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: **RE00052609** Serial: **C6225181** Model: **700** Center Fire Caliber: **7.62 NATO M-24 (SWS)** Repairman:
 Verify Repair Status: **Closed 9/19/02 2:30:16 PM**

Address Information

Customer: ☒ Received From Return To: ☒ Received From

Name: **A CO** **A CO**
 Address 1: **3/1 SFG (A)** **3/1 SFG (A)**
 Address 2: PO Box: PO Box:
 City: **FORT BRAGG** **FORT BRAGG**
 State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**
 FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone:
 Fax:
 Email:
 Comments:

Received Condition

Condition: **Poor**
 Condition Notes:
 CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
X	FRT & REAR SGT BA	1

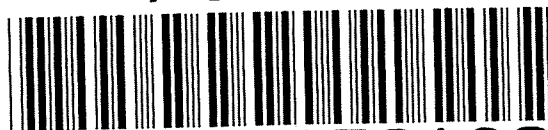
Repair Search **Refresh** **Close**

maglet 9/19/02 3:24 PM CAPS NUM INS SCFL

Start [Icons] 3:24 PM

Serial Number: **C6225181**

Model: **700**



RE00052609

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225181.__0

FILE DATE AND TIME: 10/11/2002 13:48

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.215
The Average Y Centroid of the Five Target Set:	-0.115
The Average Point of Impact of the Five Target Set:	0.244
The Average Mean Radius of the Five Target Set:	0.721
The Distance from POA to Centroid Target #1:	0.303
The Distance from Centroid Target #2 to Centroid Target #1:	0.378
The Distance from Centroid Target #3 to Centroid Target #1:	0.584
The Distance from Centroid Target #4 to Centroid Target #1:	0.275
The Distance from Centroid Target #5 to Centroid Target #1:	0.286

SERIAL NUMBER: C6225181. __0

TARGET NUMBER: 1

FILE DATE: 10/11/2002

FILE TIME: 13:48

POINT#	X	Y
1:	0.056	-0.107
2:	0.725	-1.356
3:	0.960	-0.526
4:	0.354	-0.722
5:	-0.282	-0.929
6:	0.782	0.471
7:	0.048	0.694
8:	-1.232	-0.630
9:	-0.609	-0.027
10:	-0.408	-0.239
11:	-0.197	0.049

X CENTROID: 0.018

Y CENTROID: -0.302

POA TO CENTROID: 0.303

HORZ SPREAD: 2.192

VERT SPREAD: 2.050

GROUP SPREAD: 2.295

MIN RADIUS: 0.199

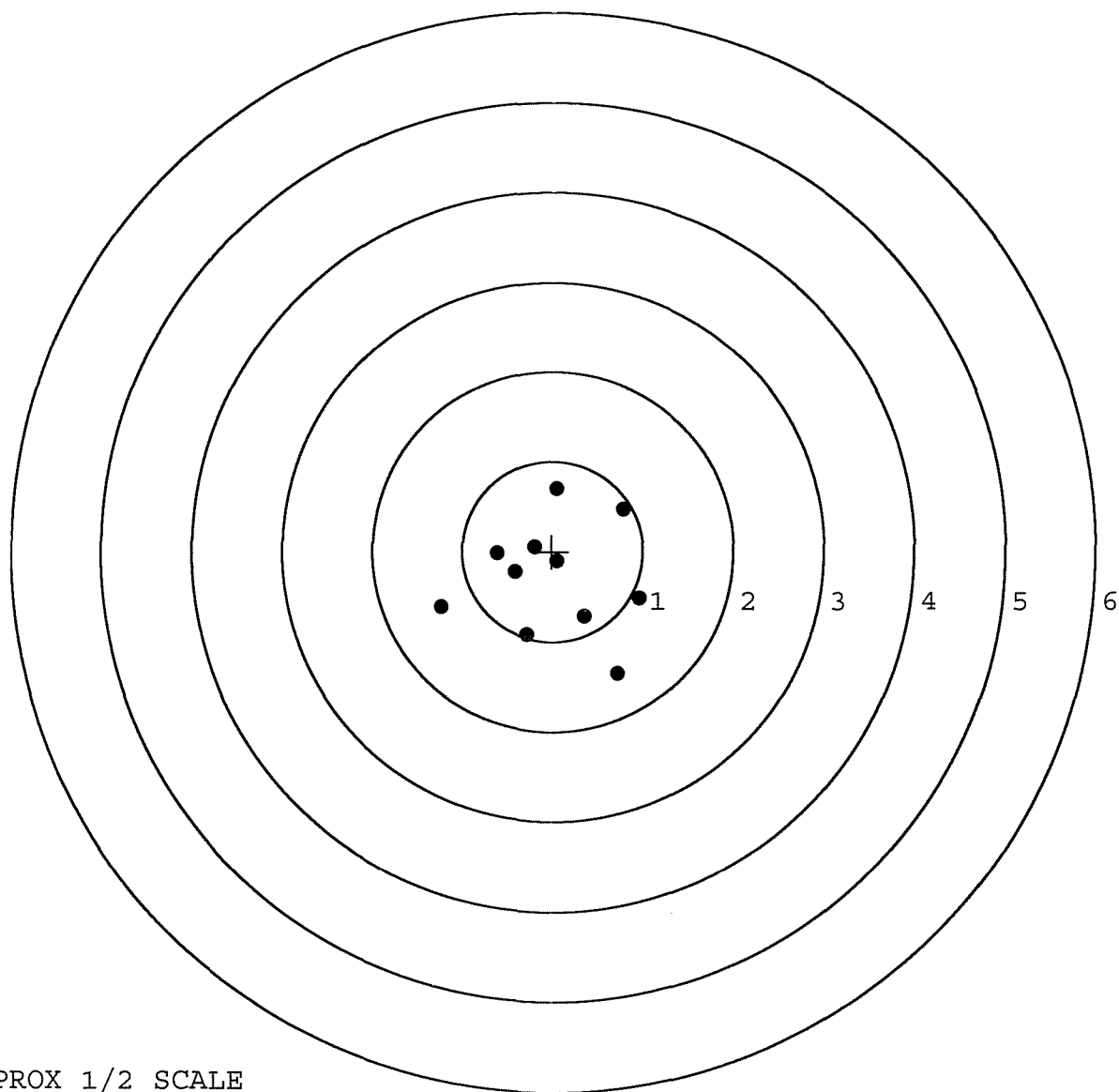
MAX RADIUS: 1.292

MEAN RADIUS: 0.779

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 11



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225181. __0

TARGET NUMBER: 2

FILE DATE: 10/11/2002

FILE TIME: 13:48

X CENTROID: -0.292

Y CENTROID: -0.085

POA TO CENTROID: 0.304

HORZ SPREAD: 3.800

VERT SPREAD: 1.392

GROUP SPREAD: 3.807

MIN RADIUS: 0.103

MAX RADIUS: 2.049

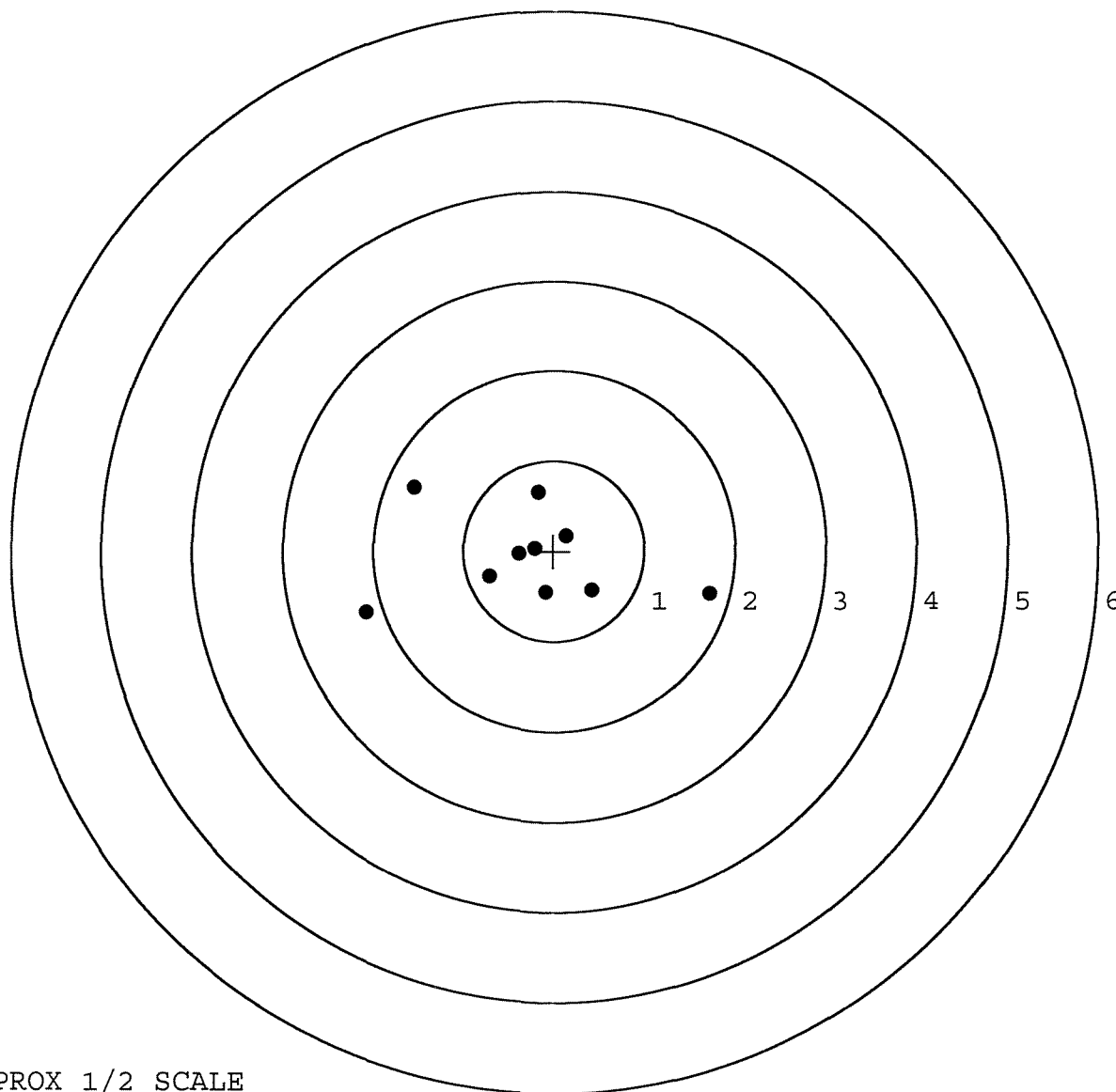
MEAN RADIUS: 0.859

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.720	-0.472
2:	-2.080	-0.698
3:	-1.548	0.694
4:	-0.176	0.647
5:	0.136	0.170
6:	0.421	-0.439
7:	-0.092	-0.463
8:	-0.710	-0.290
9:	-0.382	-0.034
10:	-0.211	0.031



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225181. 0

TARGET NUMBER: 3

FILE DATE: 10/11/2002

FILE TIME: 13:48

POINT#	X	Y
1:	0.243	-0.746
2:	0.719	-0.375
3:	0.190	0.338
4:	0.059	-0.053
5:	-0.416	-0.745
6:	-0.463	-0.254
7:	-0.810	-0.077
8:	-1.389	0.720
9:	-1.400	0.438
10:	-1.727	0.446

X CENTROID: -0.499

Y CENTROID: -0.031

POA TO CENTROID: 0.500

HORZ SPREAD: 2.446

VERT SPREAD: 1.466

GROUP SPREAD: 2.580

MIN RADIUS: 0.226

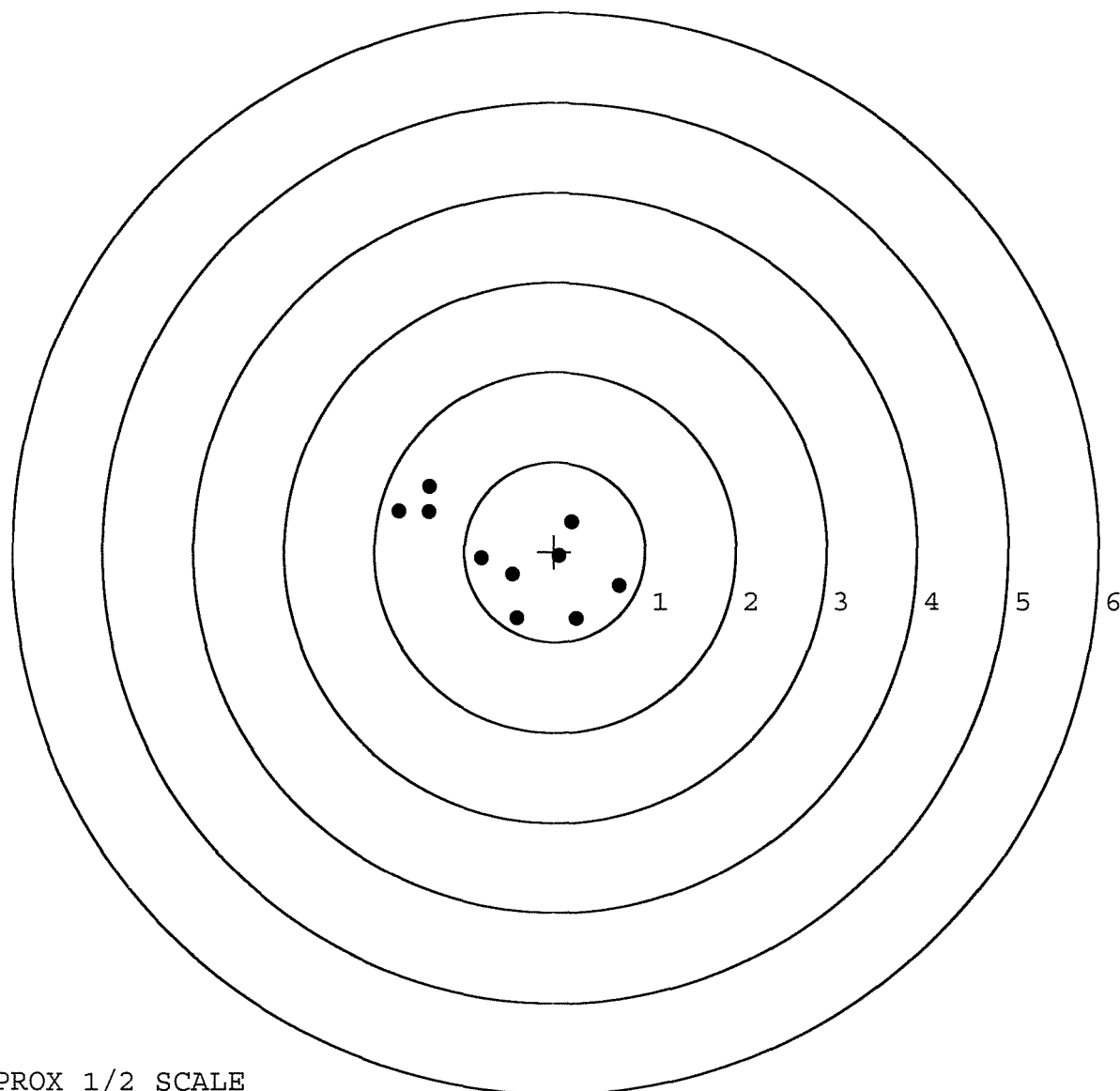
MAX RADIUS: 1.317

MEAN RADIUS: 0.839

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225181. __0

TARGET NUMBER: 4

FILE DATE: 10/11/2002

FILE TIME: 13:48

POINT#	X	Y
1:	-1.302	-0.211
2:	-0.408	-0.575
3:	0.014	0.566
4:	-0.233	0.390
5:	0.246	0.176
6:	0.253	-0.031
7:	0.095	-0.454
8:	0.148	-0.170
9:	-0.111	-0.143
10:	0.028	-0.236

X CENTROID: -0.127

Y CENTROID: -0.069

POA TO CENTROID: 0.144

HORZ SPREAD: 1.555

VERT SPREAD: 1.141

GROUP SPREAD: 1.596

MIN RADIUS: 0.076

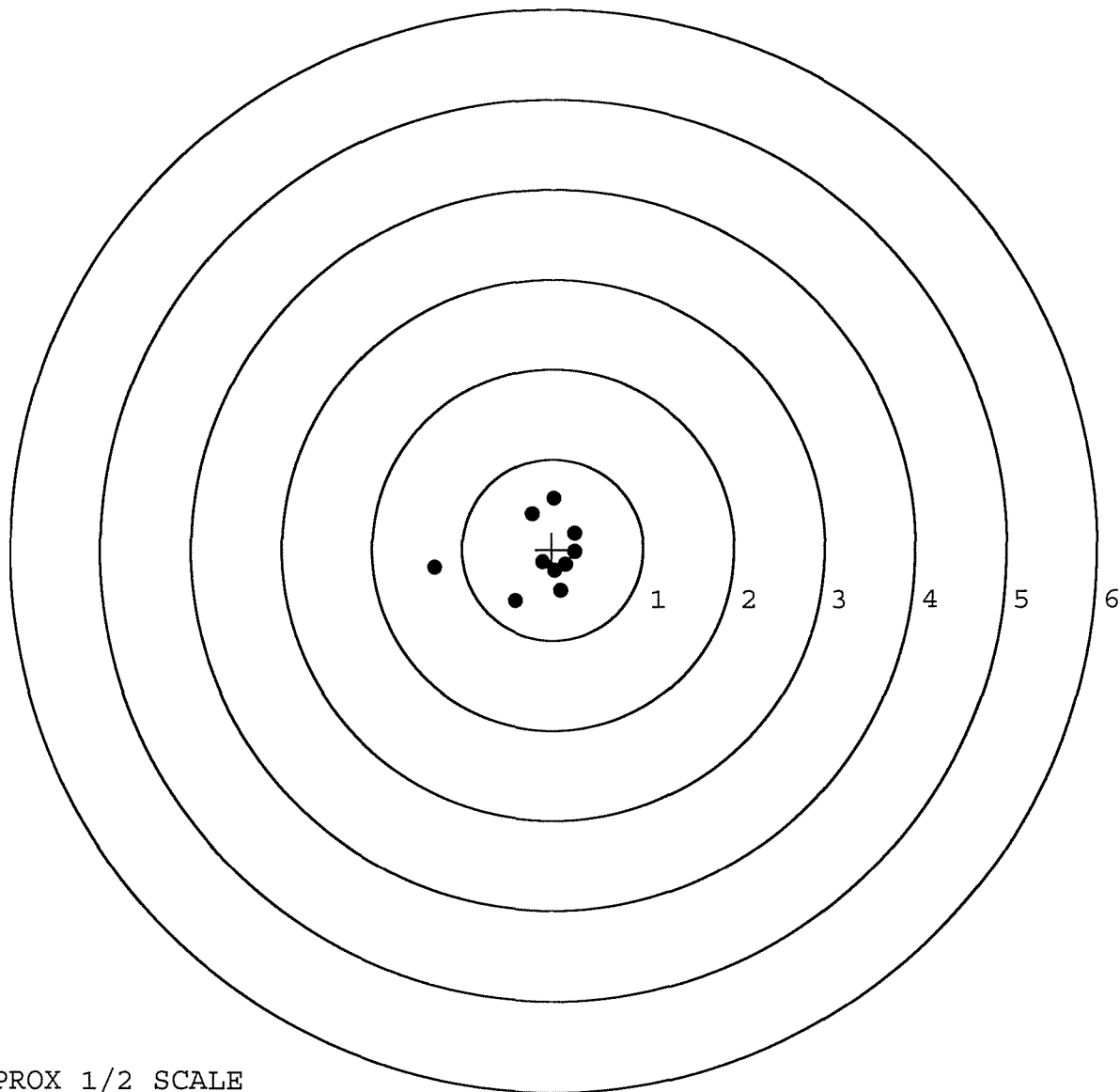
MAX RADIUS: 1.184

MEAN RADIUS: 0.475

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225181. __0

TARGET NUMBER: 5

FILE DATE: 10/11/2002

FILE TIME: 13:48

POINT#	X	Y
1:	1.083	-0.376
2:	-0.906	-0.387
3:	-0.411	-0.392
4:	-1.053	-0.009
5:	-0.880	0.182
6:	0.465	-0.472
7:	0.301	-0.228
8:	0.084	0.298
9:	-0.101	0.160
10:	-0.323	0.323

X CENTROID: -0.174

Y CENTROID: -0.090

POA TO CENTROID: 0.196

HORZ SPREAD: 2.136

VERT SPREAD: 0.795

GROUP SPREAD: 2.167

MIN RADIUS: 0.261

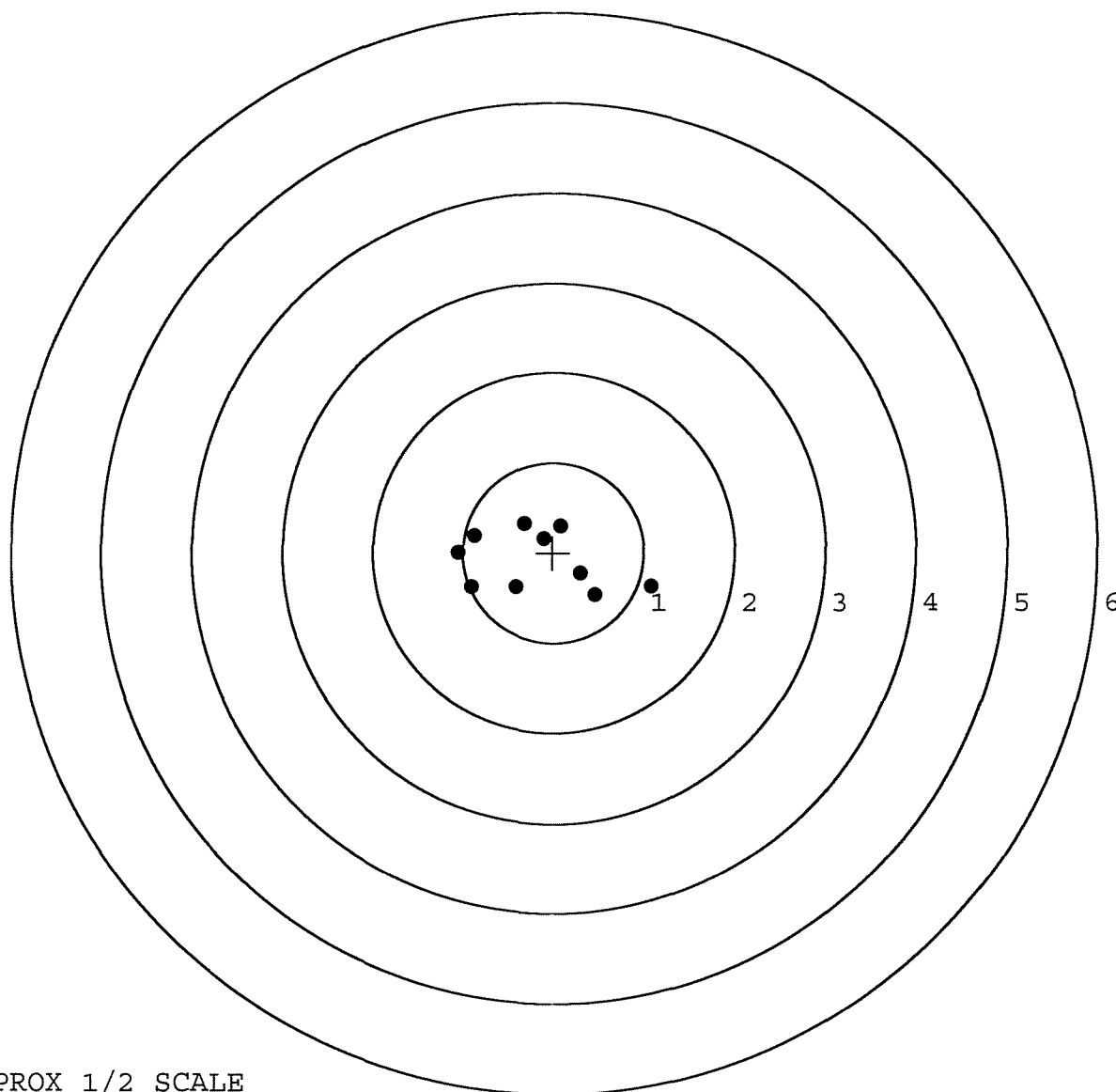
MAX RADIUS: 1.289

MEAN RADIUS: 0.651

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Final Inspection

In: C6225181

DATE REC'D: 9/19/02

DATE RET'D: 10/14/02

EDITOR: RL

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: _____

R & E NUMBER	52609		
SERIAL NUMBER	C6225181		
LOG-IN DATE	9/19/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9/23/02	RL
560 A	RE-BARREL	9/23/02	RL
B	DRILL AND TAP	9-23-02	AC
575	ASSEMBLE	9/24/02	RL
600	PROOF	9-24-02	AC
605	CHECK HEADSPACE	9-24-02	AC
610	DIS-ASSEMBLE GUN	9/24/02	RL
612	MAGNAFLUX	RL	
615	ROLLMARK CALIBER	9/27/02	TW
618	ROTO-BLAST	9/30/02	KO
620	APPLY COATINGS	10-5	TA
625 A	FINAL ASSEMBLY	10/8/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-10-02	TRW
655	FINAL INSPECT	10-14-02	RL
660	PACK	10-15-02	DA
		SHIP DATE	
		QAR INSPECTION DATE	

RECEIVING AND ESTIMATING REPORT

R 96-16377

INITIAL JJM	CUSTOMER ORDER NO.		M-24 SNIPER		
DATE RECEIVED 07/15/96	DATE OPENED 07/15/96	DATE CODE	SERIAL NUMBER C6225181	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO
ACCESSORIES	W/STUDS	W/SWIVELS	SCOPE BASE		

FROM:

DEPT OF THE ARMY
C CO 3RD BN 1ST SFG (A)
FORT LEWIS WA 98433

SHIP TO:

DEPT OF THE ARMY
C CO 3RD BN 1ST SFG (A)
FORT LEWIS WA
98433

CUST NO:145454 C.O.D L

ACCOUNT NUMBER		ACCOUNT NUMBER N/C		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

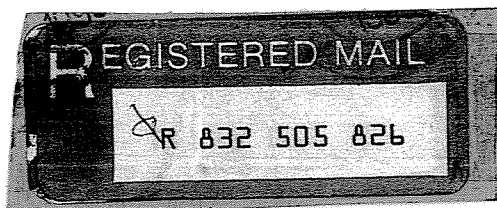
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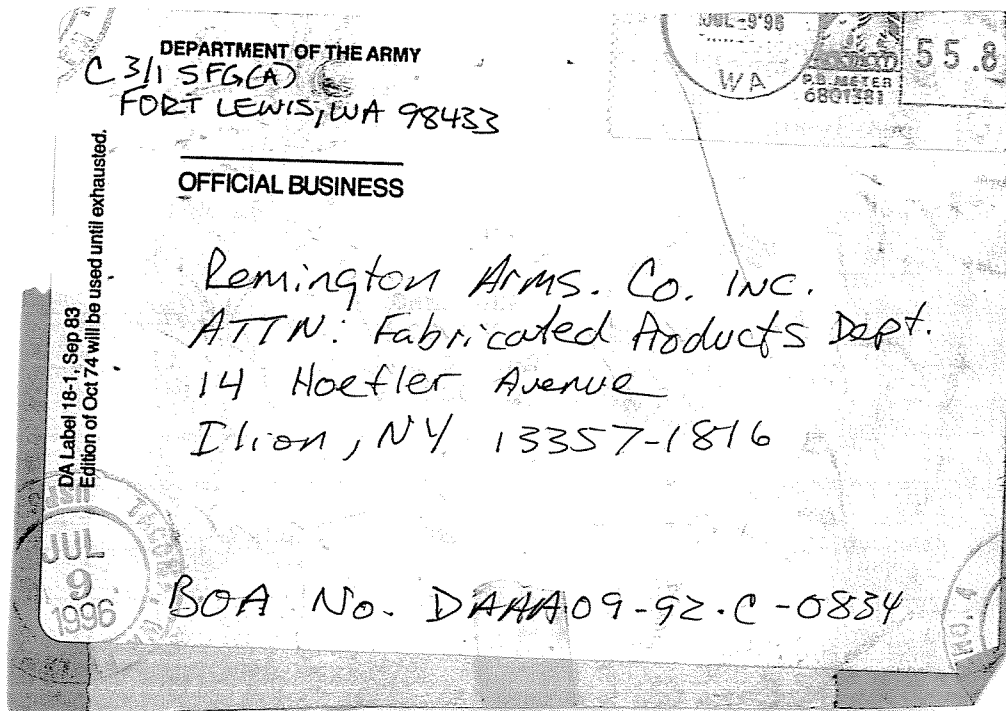
OFFICE COPY

RD6925 REV 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M24000010125





3. REGISTRATION/SERIAL/NSN	4a. MILES	b. HOURS	c. ROUNDS FIRED	d. HOT STARTS	5. DATE	6. TYPE INSPECTION
7. APPLICABLE REFERENCE						
TM NUMBER		TM DATE		TM NUMBER		TM DATE
COLUMN a — Enter TM item number.			COLUMN d — Show corrective action for deficiency or shortcoming listed in Column c.			
COLUMN b — Enter the applicable condition status symbol.			COLUMN e — Individual ascertaining completed corrective action initial in this column.			
COLUMN c — Enter deficiencies and shortcomings.						
STATUS SYMBOLS "X"—Indicates a deficiency in the equipment that places it in an inoperable status. CIRCLED "X"—Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished. HORIZONTAL DASH "(—)"—Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished. DIAGONAL "(/)"—Indicates a materiel defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable. LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL—Indicates that a completely satisfactory condition exists. FOR AIRCRAFT—Status symbols will be recorded in red.						
ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.						
8a. SIGNATURE (Person(s) performing inspection)		8b. TIME		9a. SIGNATURE (Maintenance Supervisor)		9b. TIME
						10. MANHOURS REQUIRED

TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c	CORRECTIVE ACTION d	INITIAL WHEN CORRECTED e
		C6348730	*EXCESS OF 10,000 RDS	
		C6225181	PER GUN, EACH NEEDS	
		C6225524	RE-BARRELING	
		C6348969	T/I TRIGGERS/STOCKS	
		C6348954 96003	Repairer Cant Trigger	
		C6225270	*THESE WEAPONS WERE	
		C6225467	SHOT IN THE LAST Scope Base	
		C6348907	SNIPER CLASS, SNIPER	
		C6225409	Committee said they	
		C6348868	NEED RE-BARRELING	
		C6225174	Due to poor shot performance	
		C6348981	AND EXCESS RDS.	
			7/24/96	
			*EACH WEAPON HAS A	
			SCOPE MOUNT	
		P.O.C. SSG DELK		
		3RD BN 1ST SFG(A)		
			(206) 967-8813 / 8891	

Final Inspection

Sn: C622518/

DATE REC'D: 7/15/86

DATE RET'D:

Auditor: *AW*

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: _____

CONTRACT # DAAA21-87-C-0086

Barrel

GUN SERIAL # C6225181

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		7/24/96	RW
600	Proof		7/24/96	RW
607	Check Headspace		7/24/96	RW
610	Dis-assemble Gun		7/24/96	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			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

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					
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo					
655	Final Inspection					
	A) Headspace					
	B) Trigger Pull					
	C) Function					
660	Pack					

Remington®

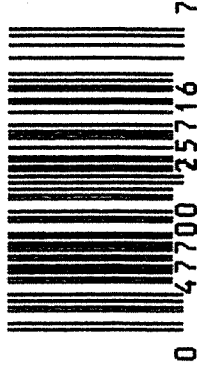
REG. U.S. PAT. & TM. OFF.

DU PONT

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

MODEL 700™ M24	SERIAL NO. C6225181
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off. Marca Registrada Marque Deposee.	ORDER NO. 5716

UPC



5716 C6225181

CONTRACT # DAAA21-87-C-0086

INTERCHANGEABILITY

GUN SERIAL # C6225181

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	QUALITY AUDIT	1 25 89	RW
600	Proof		1 25 89	RW
607	Check Headspace		1 25 89	RW
610	Dis-assemble Gun		1 25 89	RW
612	Magnaflux Barrel Action		1-27-89	pk.
	Magnaflux Bolt		1-27-89	KCR
615	Rollmark Caliber		1-28-89	D.S.
617	Drill and Tap Sight Holes		2 1 89	FB
618	Polish Barrel		2 1 89	BT
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)		2-10-89	JA
625	Final Assembly			
	A) Clean inside of Bolt Assembly		3/30/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/30/89	RW
	C) Inspect Ejector Hole for Chamfer		3/30/89	RW
	D) Oil Firing Pin Ass'y		3/30/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/30/89	JS

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	5	5	5			3 April 89	JS
	G) Safety Off Force	3	3	3			3 April 89	JS
	H) Trigger Pull Test & Retainability						31 Mar 89	JS
	I) Firing Pin Indent	.0205	.0205	.021			3 April 89	JS
	J) Assemble Stock						4/4/89	RW
	K) Assemble Swivel Studs						12 April 89	JS
	L) Attach Front and Rear Sight Assemblies						4/4/89	RW
	M) Iron Sight Alignment						4/4/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/4/89	RW
	O) Attach Scope to Rifle						4/5/89	JU
	P) Detach & Attach Scope 20 Times						4/5/89	JU
640	Gallery Target & Test	E. K. 1097L					4/7/89	DH
	A) Time						4/7/89	DH
	B) Malfunctions						4/7/89	DH
	C) Pierced Primers						4/7/89	DH
	D) Optical Clarity of Scope						4/7/89	DH
645	Inspect for Live Ammo						4/7/89	DH
655	Final Inspection							
	A) Headspace						12 April 89	JS
	B) Trigger Pull	2.28	2.32	2.29	2.20	2.24	12 April 89	JS
	C) Function						12 April 89	JS
660	Pack						27 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06225781DATE 3-26-80TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.15	2.34		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.17	2.31		
PULL #3	2.20	2.18	2.32		
PULL #4	2.22	2.21	2.31		
PULL #5	2.20	2.21	2.32		
TOTAL	11.22	10.92	11.60		
AVG.	2.24	2.18	2.32		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.31		
PULL #2	3.21	3.38		
PULL #3	3.34	3.41		
PULL #4	3.37	3.16		
PULL #5	3.25	3.45		
TOTAL	16.39	16.71		
AVG.	3.28	3.34		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.29		
PULL #2	4.35	4.16		
PULL #3	4.38	4.32		
PULL #4	4.28	4.33		
PULL #5	4.10	4.32		
TOTAL	21.22	21.42		
AVG.	4.24	4.28		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225181
10 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.314072
1 TO	2	.216083
1 TO	3	.321286
1 TO	4	.415987
1 TO	5	.23551

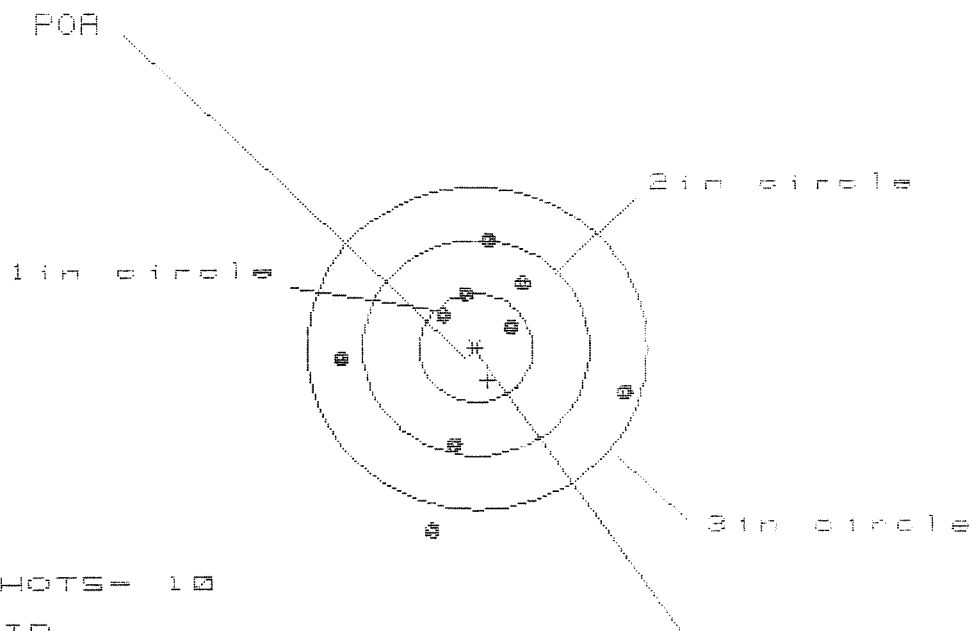
5.4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2526
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3786
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .455132
THE AMP FOR THIS RIFLE IS: .9692

18 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/082251B1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.536

VS= 2.712

GS= 2.768

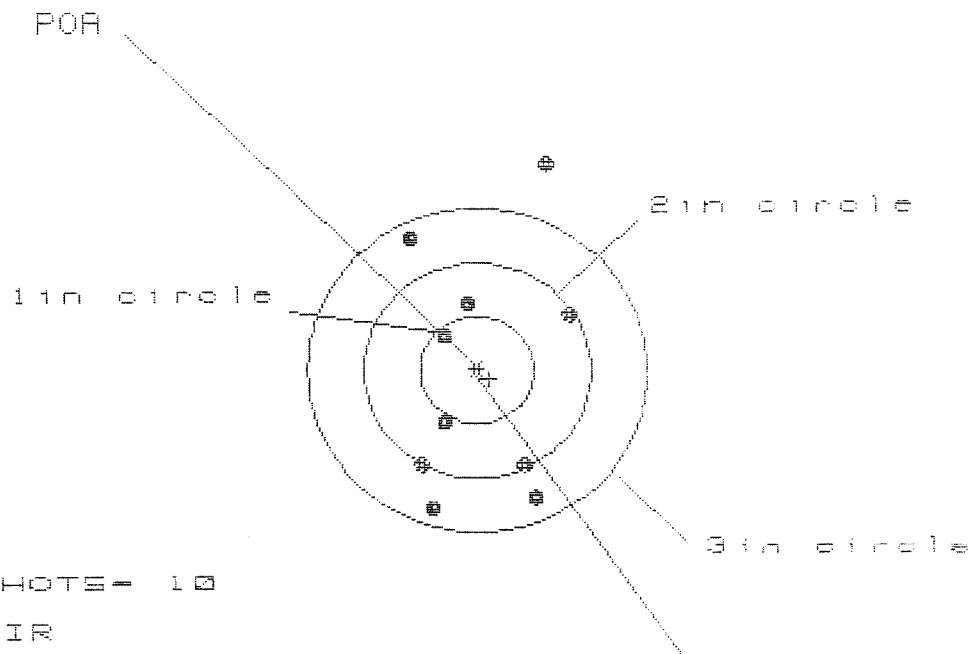
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.344	1.298	.554
MINIMUM X	:	-1.192	-1.238	-1.076
MAXIMUM Y	:	1.023	.836	.764
MINIMUM Y	:	-1.689	-1.037	-1.109
CENTROID X	:	-.105	-.059	-.221
CENTROID Y	:	.296	.483	.554
POA TO CENTROID in.	:	.314	.487	.597
MIN RADIUS	:	.327	.244	.157
MEAN RADIUS	:	.867	.710	.594
MAX RADIUS	:	1.738	1.417	1.134
HORIZONTAL SPREAD	:	2.536	2.536	1.630
VERTICAL SPREAD	:	2.712	1.873	1.873
EXTREME SPREAD	:	2.768	2.552	1.980
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225161

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 1.376

VS= 3.133

GS= 3.285

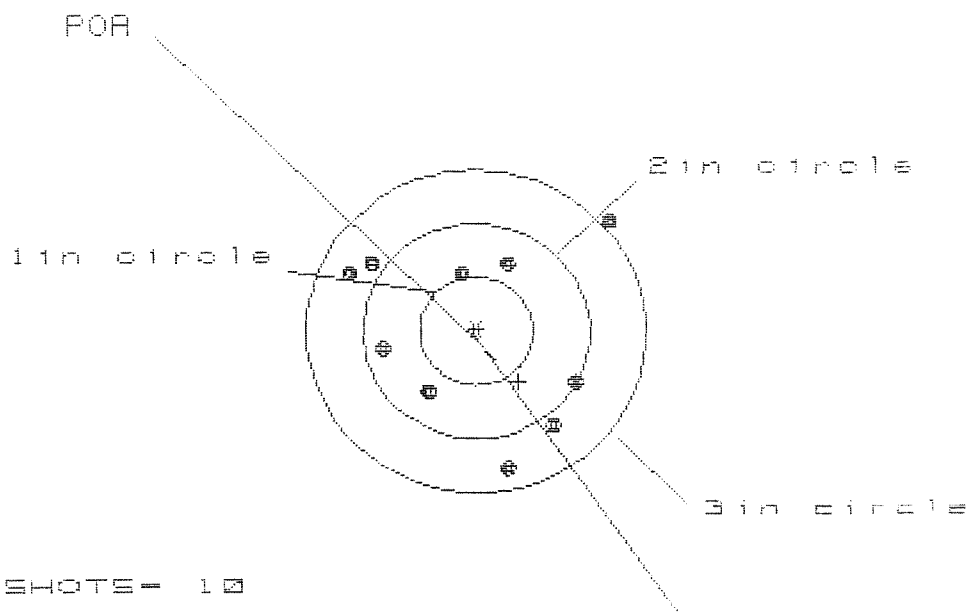
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.773	.837	.769
MINIMUM X	:	-.603	-.539	-.519
MAXIMUM Y	:	1.895	1.462	1.028
MINIMUM Y	:	-1.238	-1.027	-.844
CENTROID X	:	-.111	-.175	-.107
CENTROID Y	:	.080	-.131	-.314
POA TO CENTROID in.	:	.136	.218	.331
MIN RADIUS	:	.450	.369	.309
MEAN RADIUS	:	1.051	.918	.811
MAX RADIUS	:	1.981	1.558	1.210
HORIZONTAL SPREAD	:	1.376	1.376	1.288
VERTICAL SPREAD	:	3.133	2.489	1.872
EXTREME SPREAD	:	3.285	2.635	2.137
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225161

CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1in = 0

2in = 4

3in = 9

HS= 2.233

VS= 2.327

GS= 2.477

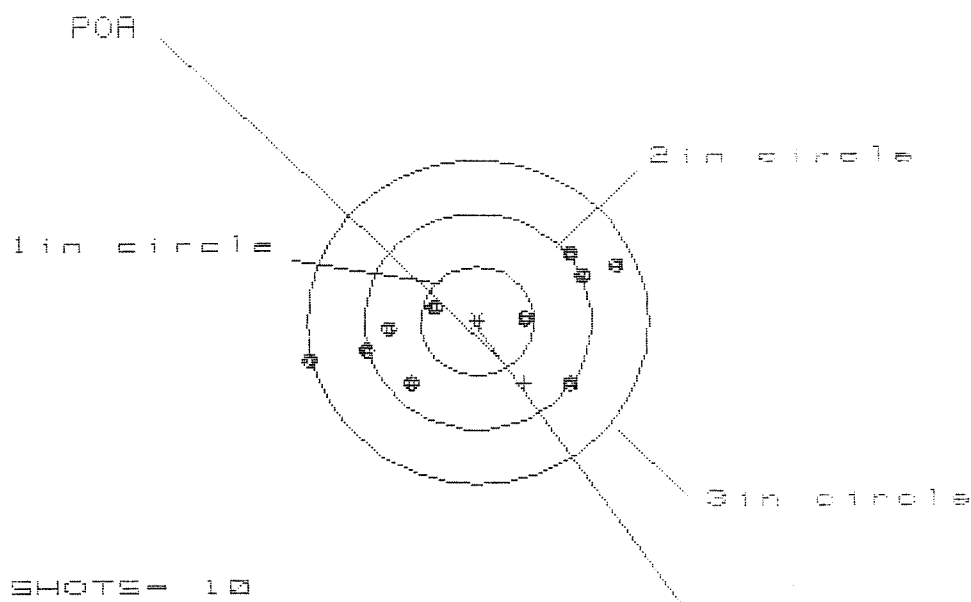
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.159	1.008	1.063
MINIMUM X	:	-1.074	-.945	-.890
MAXIMUM Y	:	1.032	.788	.641
MINIMUM Y	:	-1.295	-1.180	-.900
CENTROID X	:	-.377	-.506	-.561
CENTROID Y	:	.467	.352	.499
POA TO CENTROID in.	:	.600	.616	.751
MIN RADIUS	:	.531	.540	.505
MEAN RADIUS	:	1.002	.927	.865
MAX RADIUS	:	1.552	1.259	1.230
HORIZONTAL SPREAD	:	2.233	1.953	1.953
VERTICAL SPREAD	:	2.327	1.968	1.541
EXTREME SPREAD	:	2.477	2.312	2.204
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225181

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS = 2.705

VS = 1.275

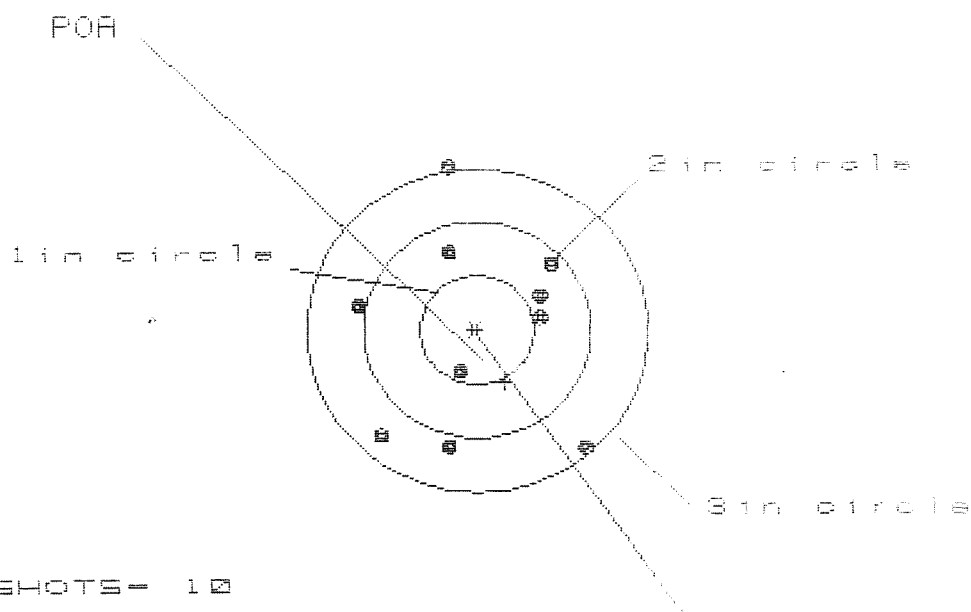
GS = 2.867

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.234	1.070	.887
MINIMUM X	:	-1.471	-1.156	-1.022
MAXIMUM Y	:	.679	.635	.699
MINIMUM Y	:	-.596	-.640	-.576
CENTROID X	:	-.418	-.254	-.388
CENTROID Y	:	.570	.614	.550
POA TO CENTROID in.	:	.707	.665	.673
MIN RADIUS	:	.395	.279	.423
MEAN RADIUS	:	.952	.875	.832
MAX RADIUS	:	1.523	1.199	1.066
HORIZONTAL SPREAD	:	2.705	2.226	1.909
VERTICAL SPREAD	:	1.275	1.275	1.275
EXTREME SPREAD	:	2.867	2.376	2.060
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/082251B1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.046

VS= 2.688

GS= 2.951

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.990	.964	.772
MINIMUM X	-1.056	-1.082	-.961
MAXIMUM Y	1.559	.873	.754
MINIMUM Y	-1.129	-.956	-.987
CENTROID X	-.252	-.226	-.347
CENTROID Y	.480	.307	.426
POA TO CENTROID in.	.542	.381	.550
MIN RADIUS	.427	.282	.353
MEAN RADIUS	.974	.898	.836
MAX RADIUS	1.576	1.358	1.160
HORIZONTAL SPREAD	2.046	2.046	1.733
VERTICAL SPREAD	2.688	1.829	1.741
EXTREME SPREAD	2.951	2.462	2.173
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225181
12 Jun 1989

INTERCHANGEABILITY

CENTROIDAL DISTANCES

0 TO	1	.745094
1 TO	2	.433849
1 TO	3	.528307
1 TO	4	1.05889
1 TO	5	.836786

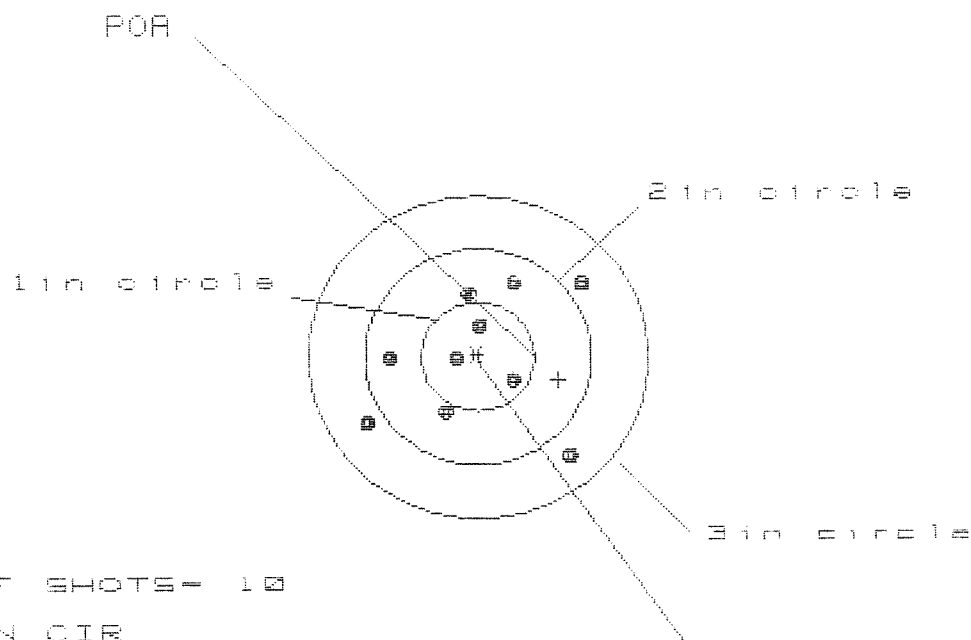
$\frac{1}{2} \frac{3+4}{5}$ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2454
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0114
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .245865
THE AMR FOR THIS RIFLE IS: .768

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/082251B1.1

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 1.840

VS = 1.642

GS = 2.259

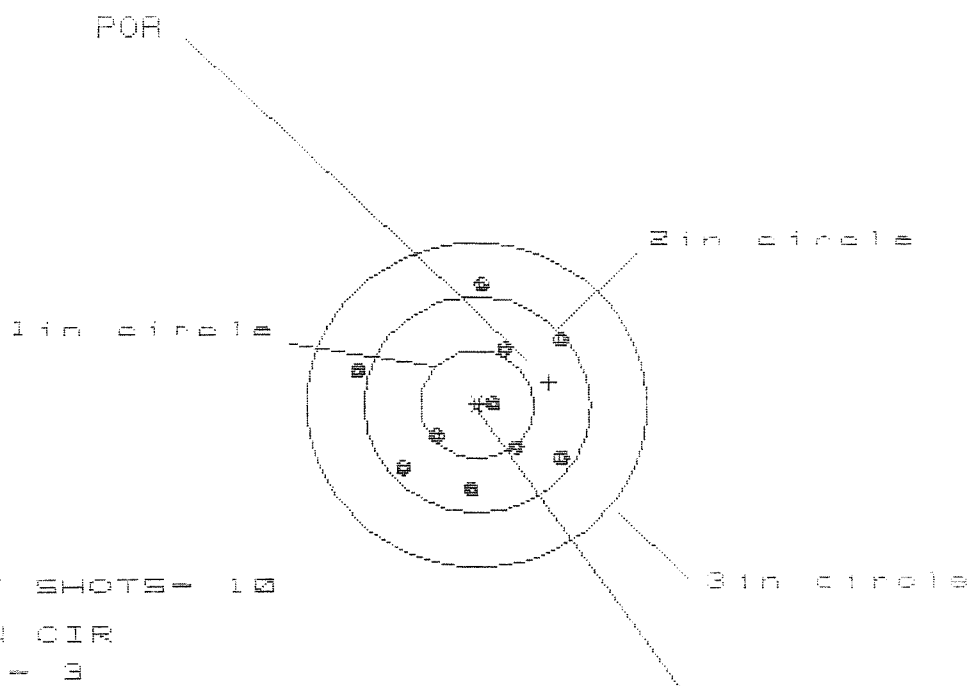
CENTROID +

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.864	.956	.846
MINIMUM X	:	-.976	-.884	-.828
MAXIMUM Y	:	.732	.630	.541
MINIMUM Y	:	-.910	-.712	-.683
CENTROID X	:	-.714	-.806	-.696
CENTROID Y	:	.213	.315	.404
POA TO CENTROID in.	:	.745	.866	.865
MIN RADIUS	:	.194	.166	.094
MEAN RADIUS	:	.718	.643	.572
MAX RADIUS	:	1.234	1.134	.988
HORIZONTAL SPREAD	:	1.840	1.840	1.674
VERTICAL SPREAD	:	1.642	1.342	1.224
EXTREME SPREAD	:	2.259	2.259	1.832
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225101.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 1.799

VS= 1.887

GS= 2.001

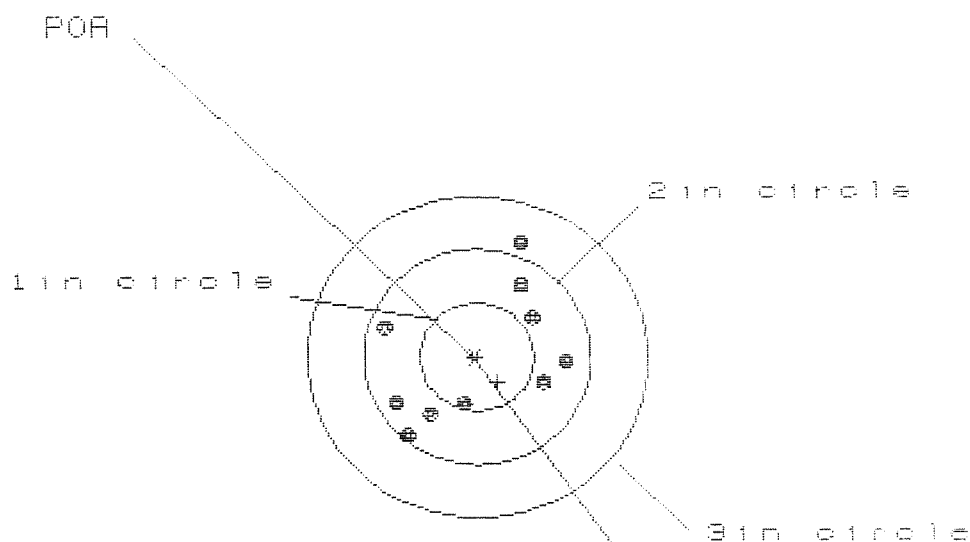
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.715	.594	.584
MINIMUM X	:	-1.084	-.799	-.809
MAXIMUM Y	:	1.104	1.143	.771
MINIMUM Y	:	-.783	-.744	-.601
CENTROID X	:	-.643	-.522	-.512
CENTROID Y	:	-.215	-.254	-.397
POR TO CENTROID in.	:	.678	.581	.648
MIN RADIUS	:	.163	.098	.236
MEAN RADIUS	:	.739	.674	.606
MAX RADIUS	:	1.141	1.146	.955
HORIZONTAL SPREAD	:	1.799	1.393	1.393
VERTICAL SPREAD	:	1.887	1.887	1.372
EXTREME SPREAD	:	2.001	1.892	1.837
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C822518).1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 9

3in = 10

HS= 1.597

VS= 1.761

GS= 2.025

CENTROID #

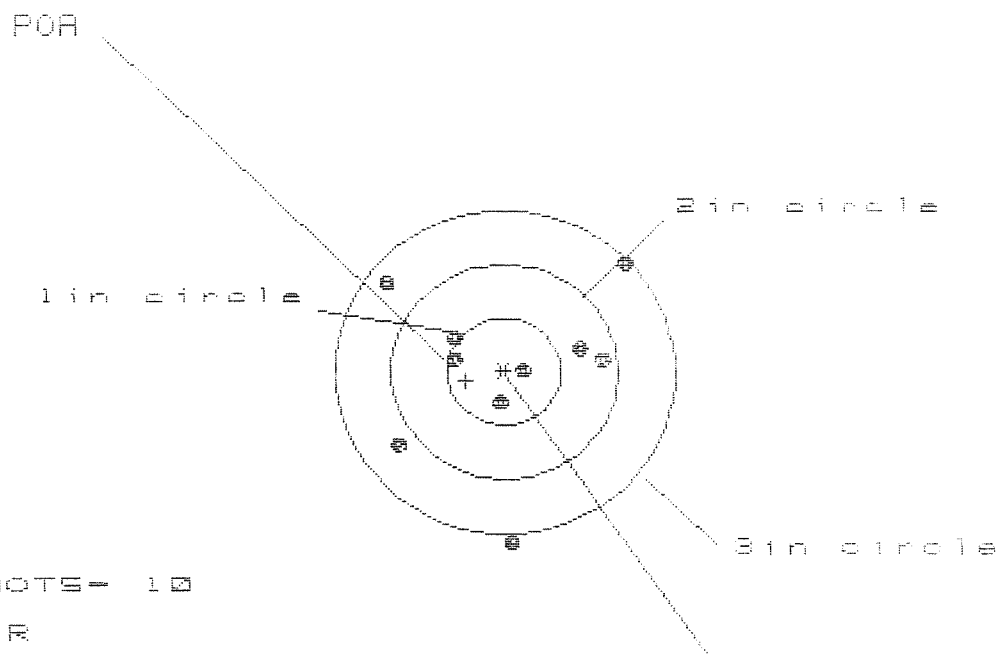
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.749	.797	.697
MINIMUM X	:	-.848	-.800	-.802
MAXIMUM Y	:	1.068	.763	.817
MINIMUM Y	:	-.693	-.574	-.520
CENTROID X	:	-.186	-.234	-.134
CENTROID Y	:	.231	.112	.058
POA TO CENTROID in.	:	.297	.259	.146
MIN RADIUS	:	.464	.336	.330
MEAN RADIUS	:	.773	.713	.676
MAX RADIUS	:	1.150	.909	.891
HORIZONTAL SPREAD	:	1.597	1.597	1.499
VERTICAL SPREAD	:	1.761	1.337	1.337
EXTREME SPREAD	:	2.025	1.658	1.658
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225181.1

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.074

VS= 2.517

GS= 2.709

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.084	1.093	1.049
MINIMUM X	:	-.998	-.981	-.844
MAXIMUM Y	:	.974	.803	.739
MINIMUM Y	:	-1.543	-.902	-.802
CENTROID X	:	.337	.328	.191
CENTROID Y	:	.084	.255	.155
POA TO CENTROID in.	:	.347	.416	.246
MIN RADIUS	:	.159	.241	.301
MEAN RADIUS	:	.844	.771	.678
MAX RADIUS	:	1.545	1.356	1.122
HORIZONTAL SPREAD	:	2.074	2.074	1.893
VERTICAL SPREAD	:	2.517	1.705	1.541
EXTREME SPREAD	:	2.709	2.633	2.029
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225181.1

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS = 1.339

VS = 2.329

GS = 2.331

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.499	.530	.581
MINIMUM X	:	-.840	-.809	-.758
MAXIMUM Y	:	1.288	.761	.648
MINIMUM Y	:	-1.041	-.897	-.535
CENTROID X	:	-.021	-.052	-.103
CENTROID Y	:	-.256	-.400	-.287
POA TO CENTROID in.	:	.257	.403	.305
MIN RADIUS	:	.282	.182	.298
MEAN RADIUS	:	.766	.679	.655
MAX RADIUS	:	1.318	.985	.862
HORIZONTAL SPREAD	:	1.339	1.339	1.339
VERTICAL SPREAD	:	2.329	1.658	1.183
EXTREME SPREAD	:	2.331	1.864	1.686
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	