

C6522263

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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: **RE00034881** Serial: **C6522263** Model: **700** Center Fire Caliber: **7.62 NATO M-24 (SW/S)** Repairman: Status: **Closed 11/1/01 7:49:43 AM**

Verify Repair

Address Information

Customer: **C CO 2/3RD SFGA** Received From: **C CO 2/3RD SFGA** Return To: **C CO 2/3RD SFGA** Received From:

Address 1: Address 2: PO Box: City: **FORT BRAGG** State: **NC** Zip Code: **28310** Country: **US**

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Poor Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	1
A018	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

inagle 11/1/01 9:47 AM CAPS NUM INS SCHL

Start Inbox - Micro Calendar - M Microsoft Excel NJBGS Corp Arms Serv 9:47 AM

Serial Number: **C6522263**
Model: **700**



RE00034881

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522263.__0

FILE DATE AND TIME: 11/27/2001 22:53

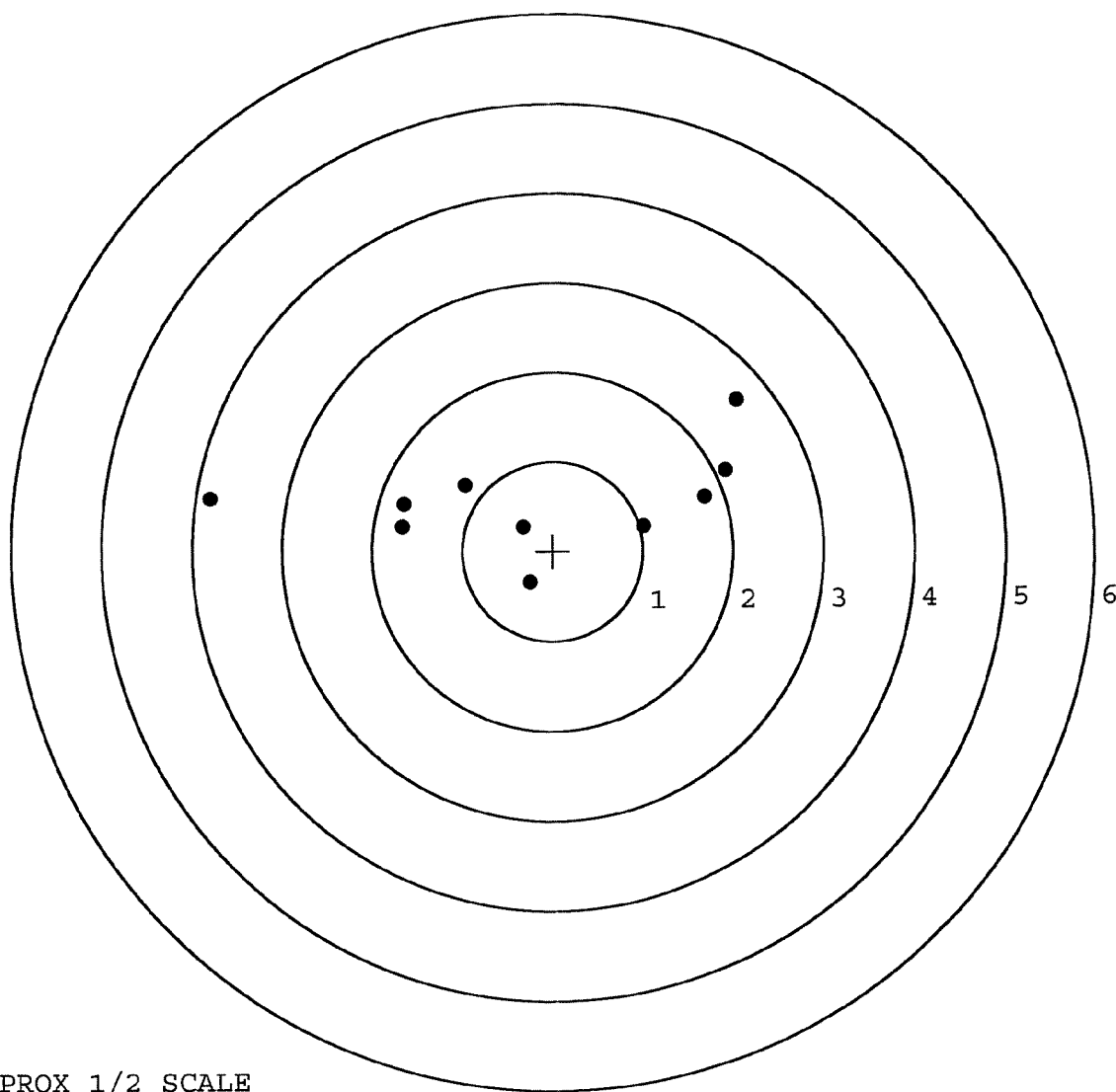
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.027
The Average Y Centroid of the Five Target Set:	0.211
The Average Point of Impact of the Five Target Set:	0.213
The Average Mean Radius of the Five Target Set:	1.178
The Distance from POA to Centroid Target #1:	0.587
The Distance from Centroid Target #2 to Centroid Target #1:	0.506
The Distance from Centroid Target #3 to Centroid Target #1:	0.608
The Distance from Centroid Target #4 to Centroid Target #1:	0.272
The Distance from Centroid Target #5 to Centroid Target #1:	0.584

SERIAL NUMBER: C6522263. __0
TARGET NUMBER: 1
FILE DATE: 11/27/2001
FILE TIME: 22:53

X CENTROID: -0.199
Y CENTROID: 0.552
POA TO CENTROID: 0.587
HORZ SPREAD: 5.844
VERT SPREAD: 2.021
GROUP SPREAD: 5.940
MIN RADIUS: 0.310
MAX RADIUS: 3.597
MEAN RADIUS: 1.633
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 6

POINT#	X	Y
1:	-3.795	0.610
2:	-1.645	0.538
3:	-1.665	0.283
4:	-0.966	0.746
5:	-0.329	0.271
6:	-0.258	-0.349
7:	1.012	0.272
8:	1.688	0.593
9:	1.924	0.883
10:	2.049	1.672

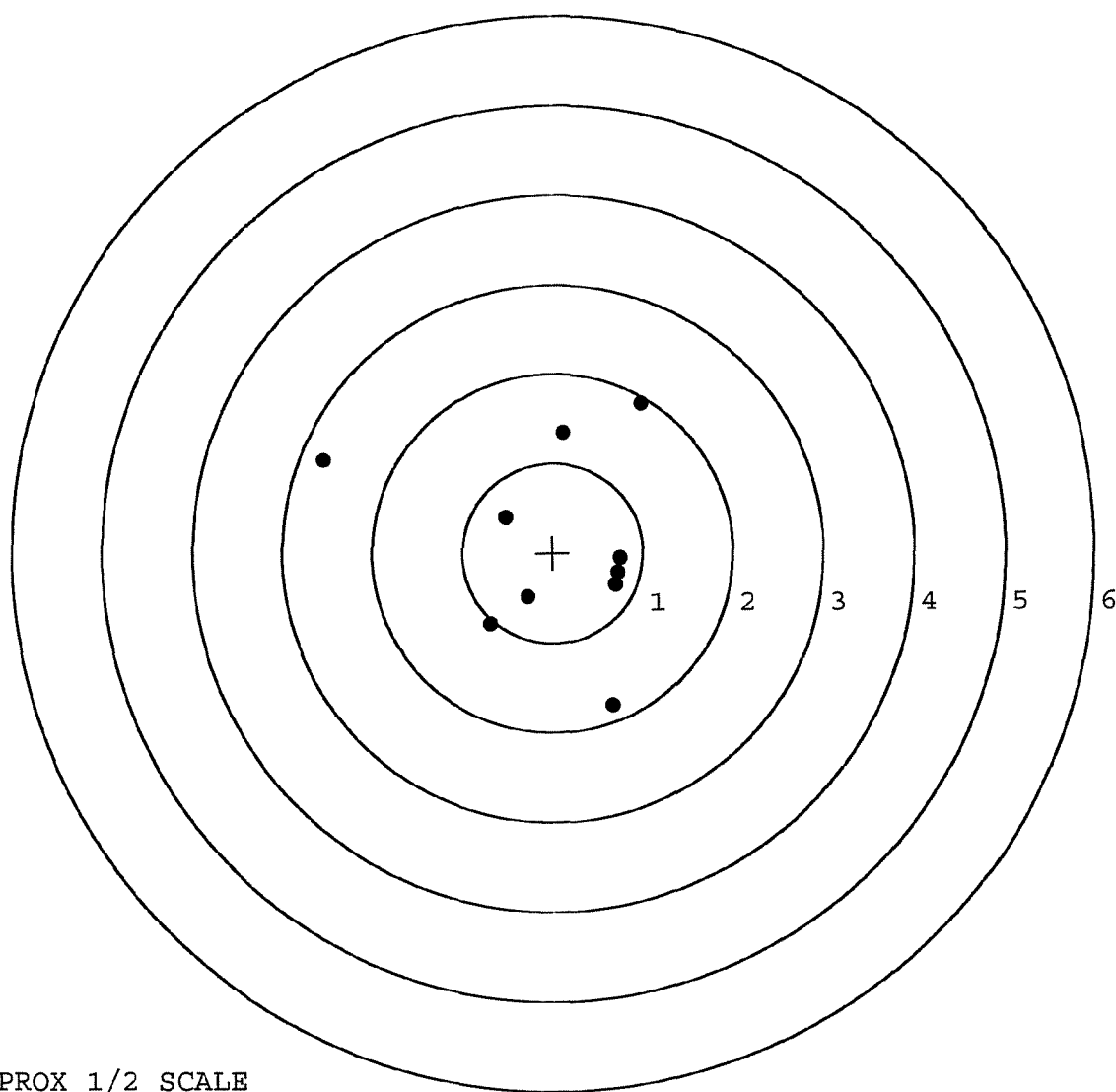


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522263. __0
TARGET NUMBER: 2
FILE DATE: 11/27/2001
FILE TIME: 22:53

X CENTROID: -0.010
Y CENTROID: 0.082
POA TO CENTROID: 0.083
HORZ SPREAD: 3.519
VERT SPREAD: 3.366
GROUP SPREAD: 4.210
MIN RADIUS: 0.604
MAX RADIUS: 2.699
MEAN RADIUS: 1.249
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-2.534	1.039
2:	0.118	1.340
3:	0.985	1.665
4:	-0.526	0.397
5:	0.752	-0.060
6:	0.695	-0.356
7:	-0.283	-0.490
8:	-0.695	-0.789
9:	0.662	-1.701
10:	0.726	-0.223

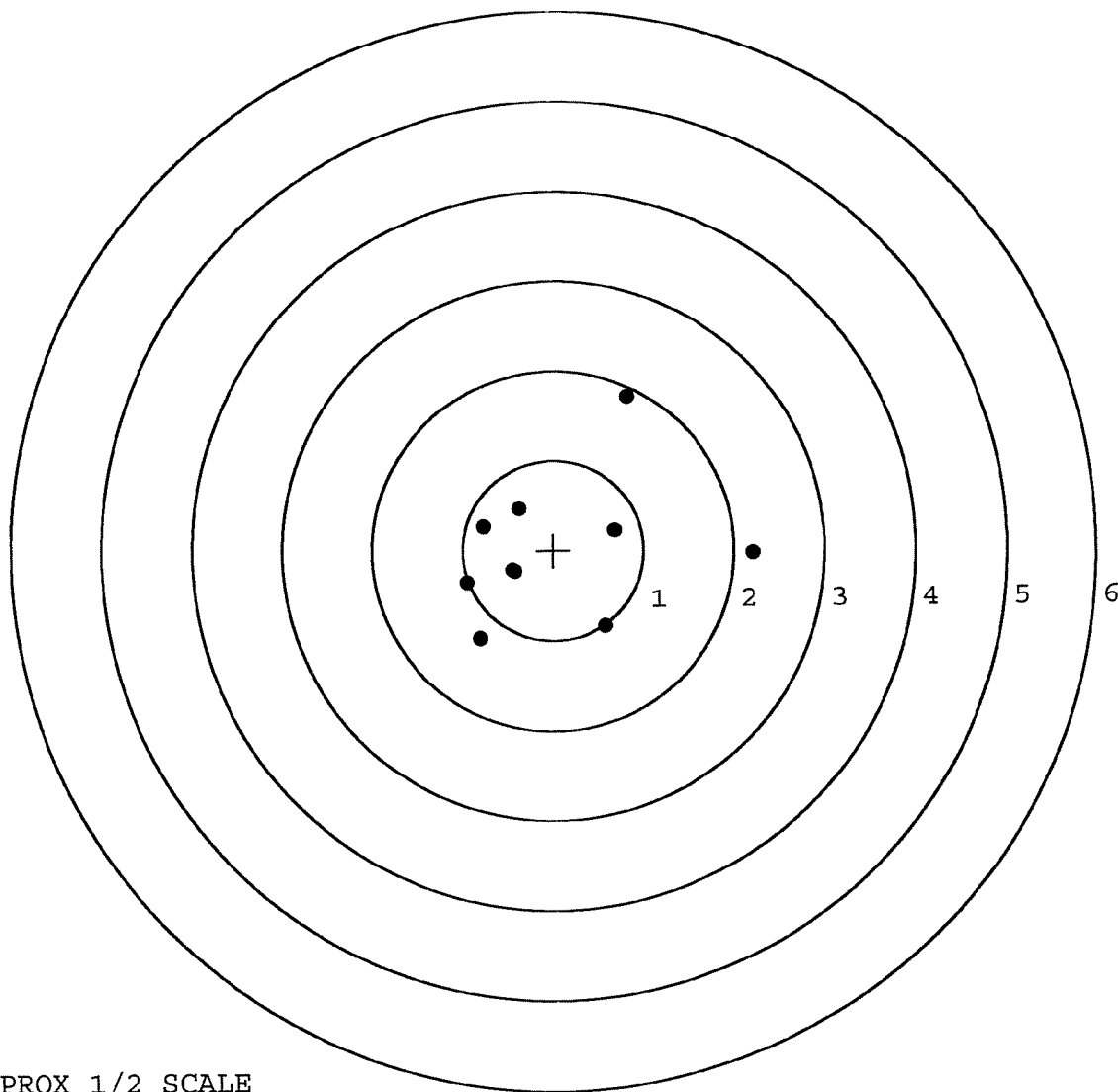


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522263.___0
TARGET NUMBER: 3
FILE DATE: 11/27/2001
FILE TIME: 22:53

X CENTROID: 0.048
Y CENTROID: -0.004
POA TO CENTROID: 0.048
HORZ SPREAD: 3.168
VERT SPREAD: 2.685
GROUP SPREAD: 3.182
MIN RADIUS: 0.532
MAX RADIUS: 2.160
MEAN RADIUS: 1.066
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.831	1.705
2:	2.208	-0.052
3:	0.684	0.215
4:	0.573	-0.849
5:	-0.431	-0.234
6:	-0.376	0.466
7:	-0.773	0.272
8:	-0.960	-0.355
9:	-0.819	-0.980
10:	-0.454	-0.225

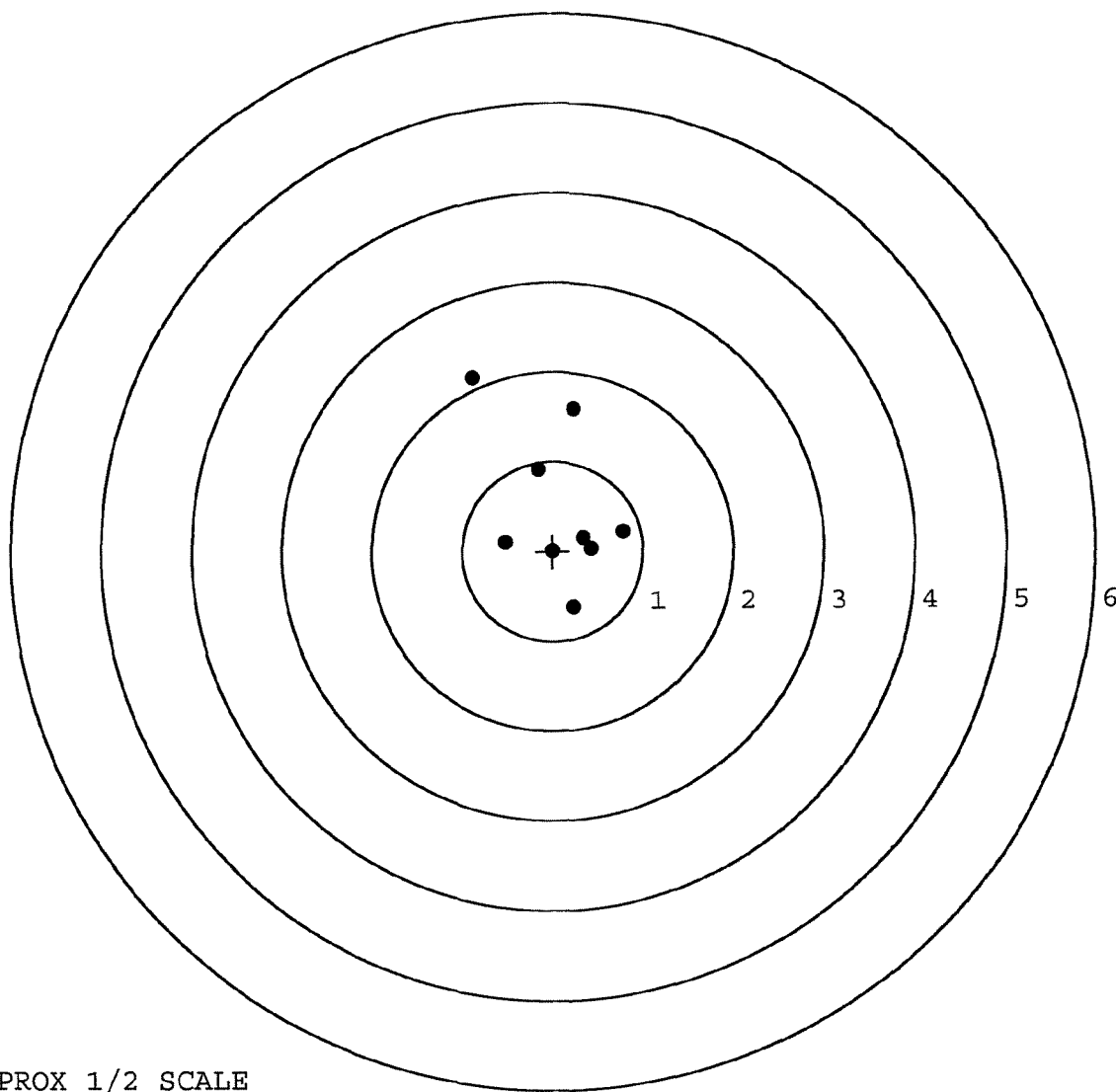


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522263. __0
TARGET NUMBER: 4
FILE DATE: 11/27/2001
FILE TIME: 22:53

X CENTROID: 0.045
Y CENTROID: 0.431
POA TO CENTROID: 0.433
HORZ SPREAD: 1.657
VERT SPREAD: 2.563
GROUP SPREAD: 2.792
MIN RADIUS: 0.405
MAX RADIUS: 1.769
MEAN RADIUS: 0.778
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.002	-0.002
2:	0.002	-0.004
3:	-0.155	0.910
4:	0.240	1.583
5:	-0.879	1.939
6:	-0.531	0.106
7:	0.339	0.152
8:	0.422	0.028
9:	0.778	0.220
10:	0.228	-0.624

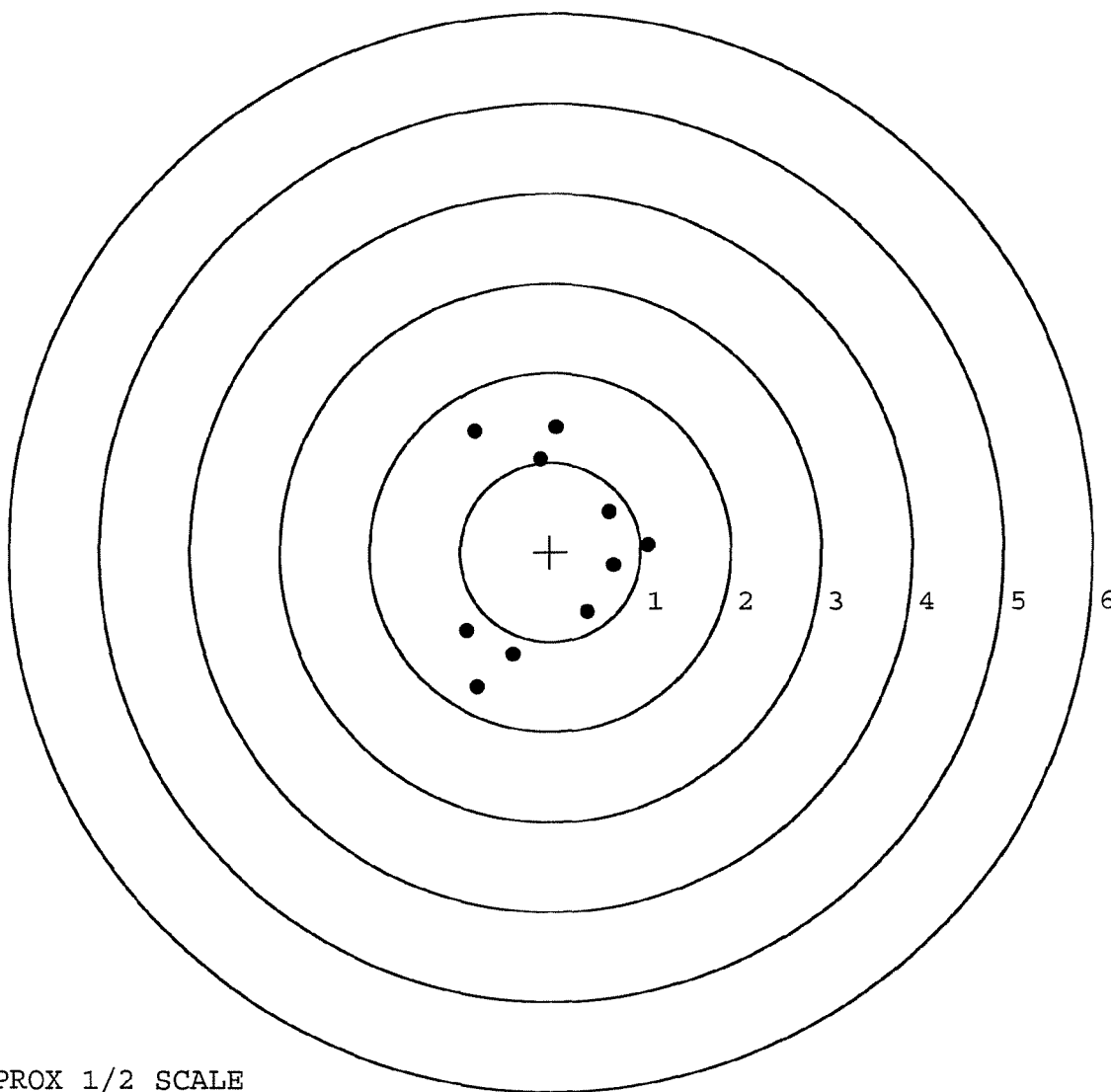


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522263. 0
TARGET NUMBER: 5
FILE DATE: 11/27/2001
FILE TIME: 22:53

X CENTROID: -0.020
Y CENTROID: -0.004
POA TO CENTROID: 0.020
HORZ SPREAD: 2.012
VERT SPREAD: 2.897
GROUP SPREAD: 3.027
MIN RADIUS: 0.735
MAX RADIUS: 1.697
MEAN RADIUS: 1.164
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.066	1.391
2:	-0.110	1.040
3:	-0.839	1.353
4:	0.653	0.450
5:	0.701	-0.148
6:	1.084	0.074
7:	0.411	-0.671
8:	-0.425	-1.144
9:	-0.928	-0.877
10:	-0.810	-1.506



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	34881		
SERIAL NUMBER	C 6522263		
LOG-IN DATE	11-1-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-5-01	RJK
560 A	RE-BARREL	11/6	BWT
B	DRILL AND TAP	11/7	BWT
575	ASSEMBLE	11-7-01	RW
600	PROOF MAGNA - FLUX	11-7-01	RW
605	CHECK HEADSPACE INSPECTED	11-7-01	RW
610	DIS-ASSEMBLE GUN NOV 12 2001	11-7-01	RW
612	MAGNAFLUX OPERATOR <u>WRD</u>		
615	ROLLMARK CALIBER	11/12	⊕
618	ROTO-BLAST	11/14	✓
620	APPLY COATINGS	11-15	TA
625 A	FINAL ASSEMBLY	11-20-01	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-28-01	EK
655	FINAL INSPECT	11-28-01	RJK
660	PACK	11-28-01	JA
		SHIP DATE	
	QAR INSPECTION DATE		

Final Inspection

In: C652 2263

DATE REC'D: 11-1-01

DATE RET'D: 11-28-01

AUDITOR: KZ

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: _____

CAD 700

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6572263

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action	New BBL 8/22/90	8/23/90	KCR
	Magnaflux Bolt		8/22/90	KCR
615	Rollmark Caliber		8/23/90	ES
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8-28-90	HA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/4/90	W.B.

op. #	OP. NAME	READINGS					DATE	INIT
625 nt.	F) Safety On Force	3 3/4	3 3/4	3 3/4			9/4/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/4/90	WB
	H) Trigger Pull Test & Retainability						9/4/90	WB
	I) Firing Pin Indent	.023	.023	.023			9/4/90	WB
	J) Assemble Stock						9/7/90	RW
	K) Assemble Swivel Studs						9/13/90	JS
	L) Attach Front and Rear Sight Assemblies						9/7/90	RW
	M) Iron Sight Alignment						9/7/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/7/90	RW
	O) Attach Scope to Rifle						9/7/90	RW
	P) Detach & Attach Scope 20 Times						9/7/90	RW
640	Gallery Target & Test						9/10/90	AF
	A) Time						9/10/90	AF
	B) Malfunctions						9/10/90	AF
	C) Pierced Primers						9/10/90	AF
	D) Optical Clarity of Scope						9/10/90	AF
645	Inspect for Live Ammo						9/10/90	AF
655	Final Inspection							
	A) Headspace						9/13/90	JS
	B) Trigger Pull	2.55	2.42	2.46	2.45	2.48	9-12-90	JS
	C) Function						9/13/90	JS
660	Pack						9-18-90	JS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6527263
DATE 9/4/90
TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.46	2.58	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.49	2.42	2.42	
PULL #3	2.45	2.32	2.39	2.46	
PULL #4	2.38	2.43	2.51	2.45	
PULL #5	2.33	2.45	2.51	2.48	
TOTAL	11.91	12.15	12.41	12.36	
AVG.	2.38	2.43	2.48	2.472	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.35		
PULL #2	3.05	3.35		
PULL #3	3.09	3.36		
PULL #4	3.14	3.39		
PULL #5	3.13	3.33		
TOTAL	15.47	16.78		
AVG.	3.09	3.35		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.05		4.25
PULL #2	4.19	4.06		4.01
PULL #3	4.06	4.17		4.00
PULL #4	4.02	4.13		4.08
PULL #5	4.15	4.10		4.07
TOTAL	20.63	20.51		20.41
AVG.	4.12	4.10		4.08

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522263
11 Sep 1990

CENTROIDAL DISTANCES

Ø TO	1	.123685
1 TO	2	.0334215
1 TO	3	.0346554
1 TO	4	.0375766
1 TO	5	.157003

4 <----POA

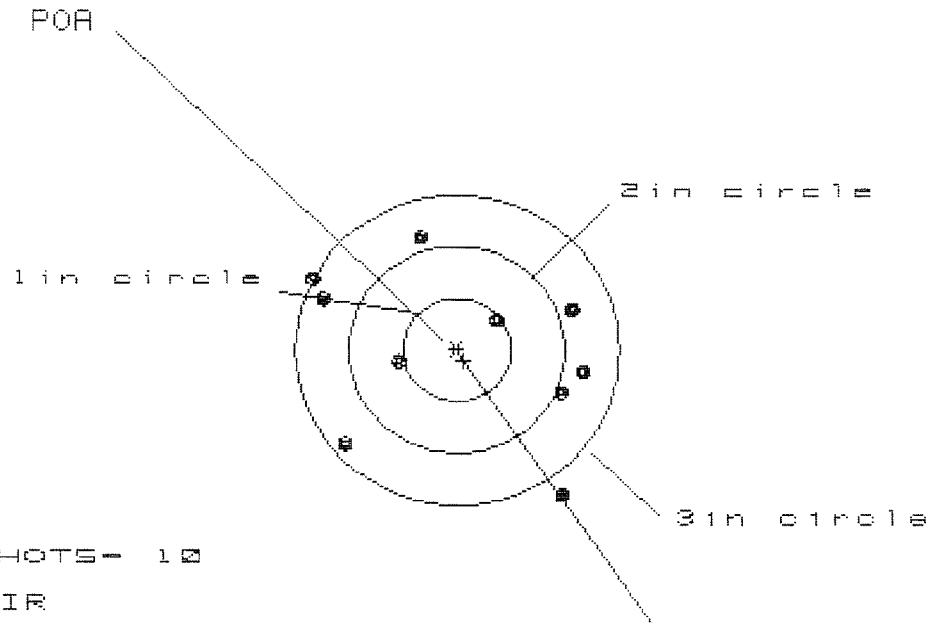
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0608
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .069
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0919654

THE AMR FOR THIS RIFLE IS: 1.023

10 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C65222B3

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 9

HS= 2.488

VS= 2.542

GS= 3.076

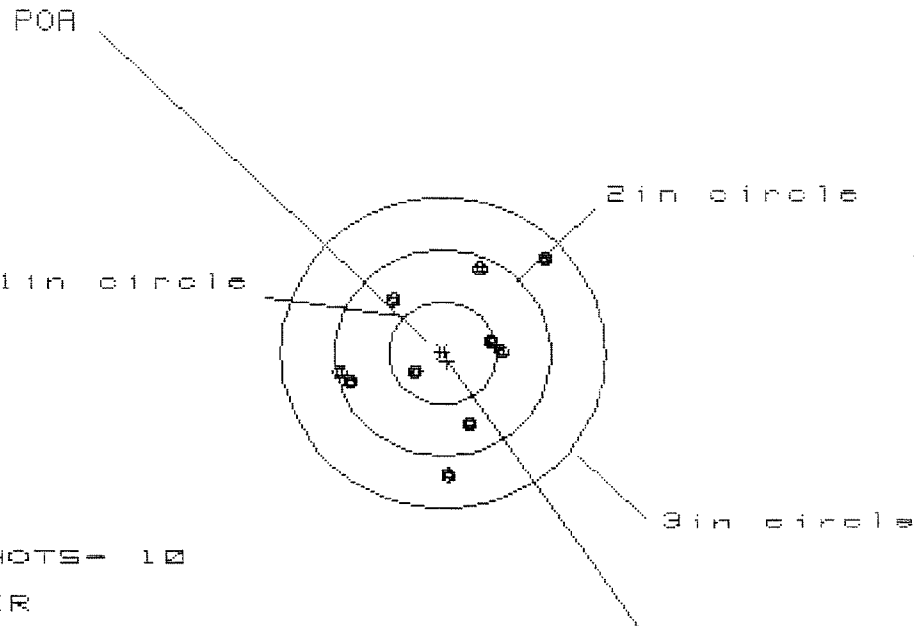
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.177	1.282	1.131
MINIMUM X	:	-1.311	-1.206	-1.266
MAXIMUM Y	:	1.130	.973	1.039
MINIMUM Y	:	-1.412	-1.017	-.951
CENTROID X	:	-.062	-.167	-.016
CENTROID Y	:	.107	.264	.198
POA TO CENTROID in.	:	.124	.312	.199
MIN RADIUS	:	.457	.488	.370
MEAN RADIUS	:	1.132	1.056	1.006
MAX RADIUS	:	1.697	1.391	1.454
HORIZONTAL SPREAD	:	2.488	2.488	2.397
VERTICAL SPREAD	:	2.542	1.990	1.990
EXTREME SPREAD	:	3.076	2.639	2.492
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	2		
NUMBER IN THREE INCH CIRCLE	=	9		

10 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08522263

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.944

VS= 2.132

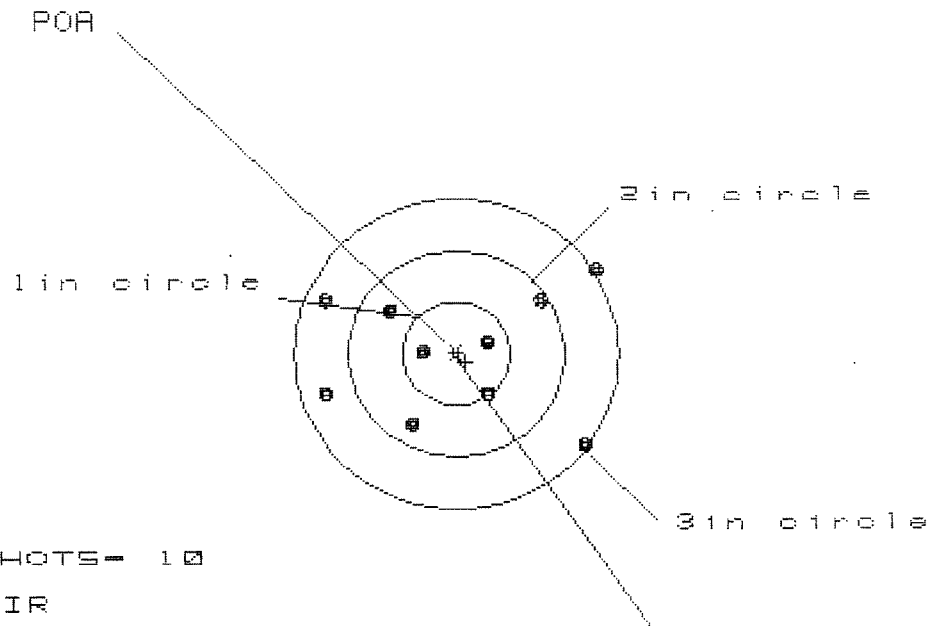
GS= 2.336

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.954	.654	.667
MINIMUM X	:	-.990	-.884	-.870
MAXIMUM Y	:	.956	.974	.841
MINIMUM Y	:	-1.176	-1.070	-.704
CENTROID X	:	-.041	-.147	-.161
CENTROID Y	:	.081	-.025	.108
POA TO CENTROID in.	:	.091	.150	.194
MIN RADIUS	:	.345	.204	.267
MEAN RADIUS	:	.810	.735	.689
MAX RADIUS	:	1.351	1.086	.974
HORIZONTAL SPREAD	:	1.944	1.538	1.538
VERTICAL SPREAD	:	2.132	2.044	1.545
EXTREME SPREAD	:	2.336	2.078	1.691
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

10 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06522263

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.485

VS= 1.622

ES= 2.747

CENTROID #

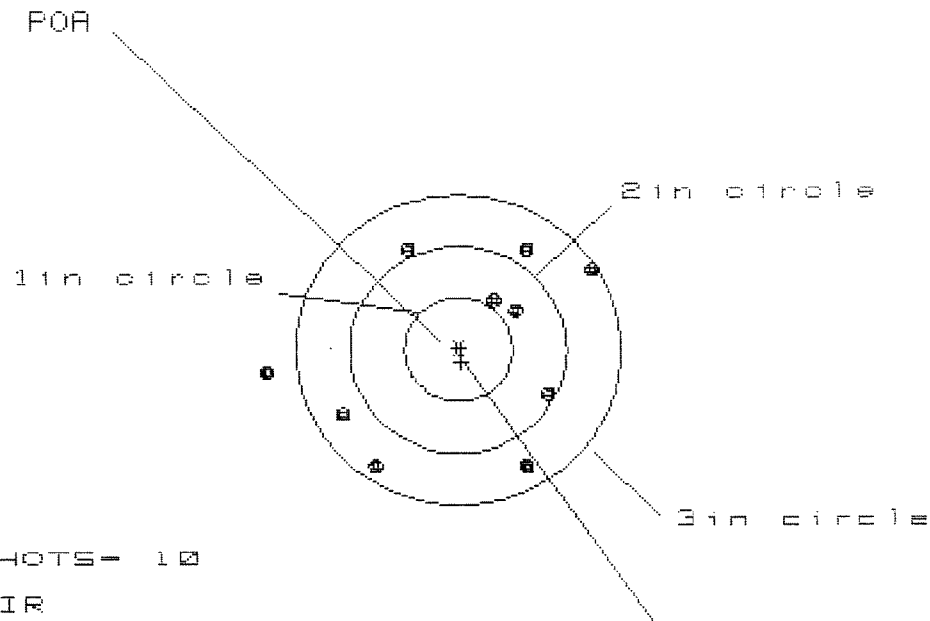
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.301	1.369	1.055
MINIMUM X	:	-1.184	-1.039	-.868
MAXIMUM Y	:	.770	.626	.530
MINIMUM Y	:	-.852	-.767	-.700
CENTROID X	:	-.086	-.231	-.402
CENTROID Y	:	.082	-.003	.093
POR TO CENTROID in.	:	.119	.231	.412
MIN RADIUS	:	.281	.218	.022
MEAN RADIUS	:	.910	.828	.706
MAX RADIUS	:	1.512	1.569	1.180
HORIZONTAL SPREAD	:	2.485	2.408	1.923
VERTICAL SPREAD	:	1.622	1.393	1.230
EXTREME SPREAD	:	2.747	2.747	2.114
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522263

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 8

HS= 2.846

VS= 2.155

GS= 3.124

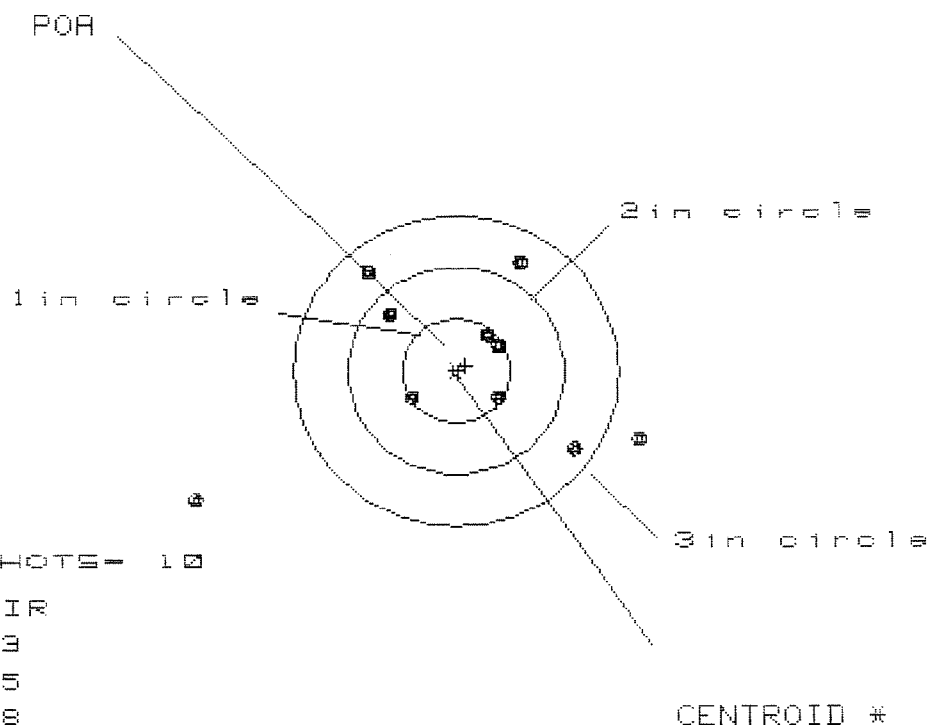
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.182	.986	.784
MINIMUM X	:	-1.764	-1.314	-1.191
MAXIMUM Y	:	.999	.972	1.069
MINIMUM Y	:	-1.156	-1.183	-1.086
CENTROID X	:	-.028	.168	.045
CENTROID Y	:	.123	.150	.053
POA TO CENTROID in.	:	.126	.225	.069
MIN RADIUS	:	.559	.463	.591
MEAN RADIUS	:	1.157	1.048	1.041
MAX RADIUS	:	1.780	1.526	1.373
HORIZONTAL SPREAD	:	2.946	2.300	1.975
VERTICAL SPREAD	:	2.155	2.155	2.155
EXTREME SPREAD	:	3.124	2.764	2.574
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522263

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 4.133

VS= 2.306

GS= 4.174

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.688	1.416	.972
MINIMUM X	-2.445	-1.085	-.908
MAXIMUM Y	1.025	.883	.777
MINIMUM Y	-1.281	-.849	-.955
CENTROID X	-.087	.185	.008
CENTROID Y	-.048	.094	.200
POR TO CENTROID in.	.099	.207	.200
MIN RADIUS	.445	.143	.196
MEAN RADIUS	1.108	.861	.759
MAX RADIUS	2.760	1.648	1.362
HORIZONTAL SPREAD	4.133	2.501	1.880
VERTICAL SPREAD	2.306	1.732	1.732
EXTREME SPREAD	4.174	3.013	2.527
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

Remington® **DUPONT** REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

SERIAL NO. C6522263

ORDER NO. 5716

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

Ø1

LPC

0 47700 25716 7

5716 C6522263