

C6225406

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smeal®
No. 2-152-51

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: **RE00049173** Serial: C6225406 Model: 700 Center Fire Caliber: 7.62 NATO M24-SWS Repairman: Status: Closed 7/12/02 10:30:24 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: JOINT TRANSPORT DIV

Address 1: ATTN ATZH JTM M

Address 2: BOX 339500 MS 53 PO Box:

City: FORT LEWIS

State: WA Zip Code: 98433 Country: US

State: Zip Code: Country:

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Condition: Fair

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
X001	Fr. & Rear Bases	2

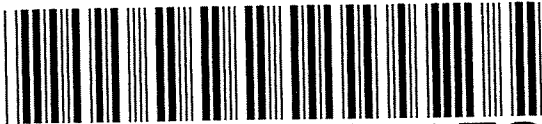
Repair Search Refresh Close

7/12/02 10:36 AM CAPS NUM INS SCFL

Start [Icons] 10:36 AM

Serial Number: **C6225406**

Model: **700**



RE00049173

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225406.___0
FILE DATE AND TIME: 08/02/2002 11:01

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

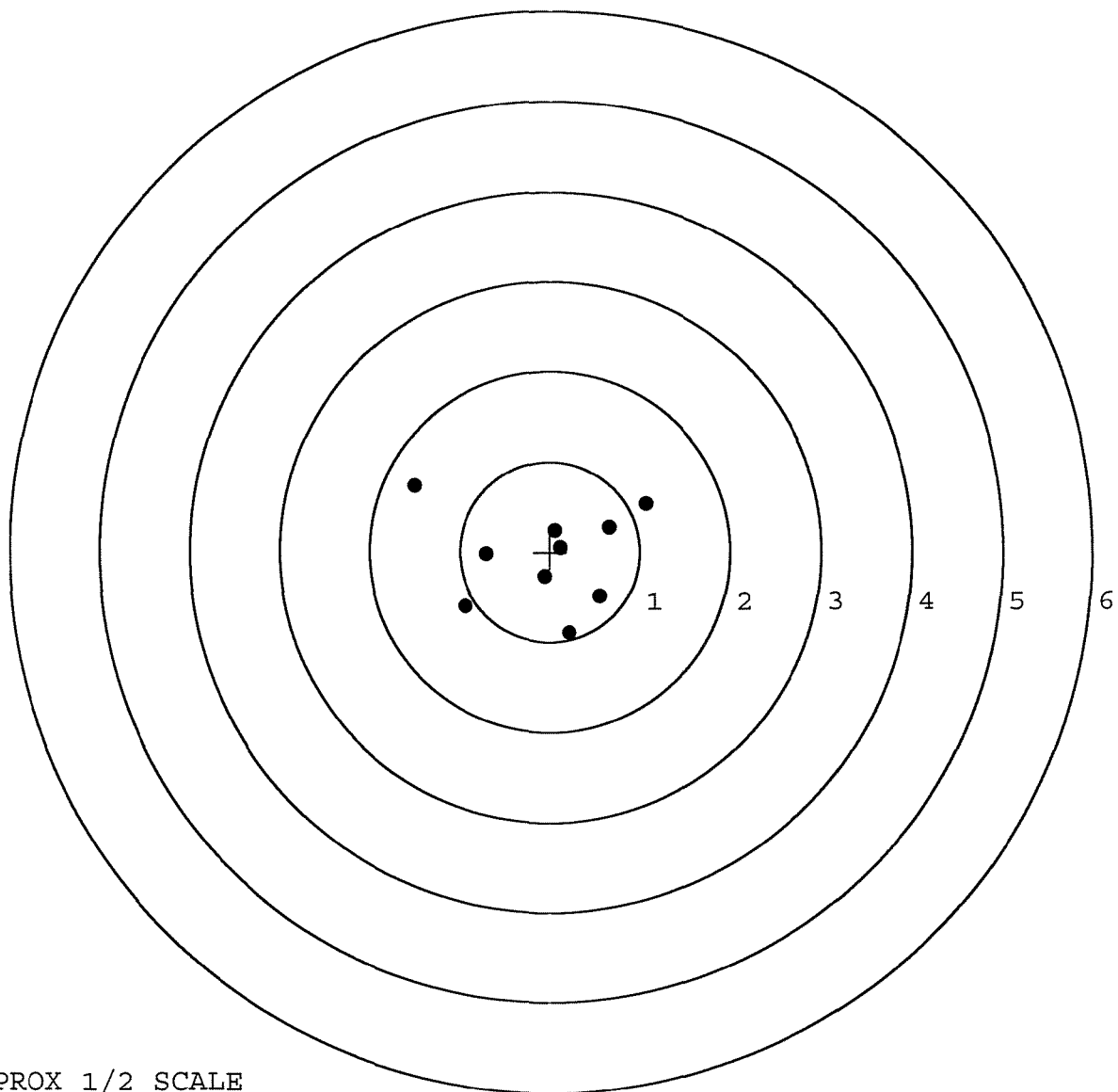
The Average X Centroid of the Five Target Set:	-0.049
The Average Y Centroid of the Five Target Set:	-0.056
The Average Point of Impact of the Five Target Set:	0.074
The Average Mean Radius of the Five Target Set:	0.578
The Distance from POA to Centroid Target #1:	0.073
The Distance from Centroid Target #2 to Centroid Target #1:	0.038
The Distance from Centroid Target #3 to Centroid Target #1:	0.066
The Distance from Centroid Target #4 to Centroid Target #1:	0.043
The Distance from Centroid Target #5 to Centroid Target #1:	0.096

BARBER - M24 0060201

SERIAL NUMBER: C6225406. __0
TARGET NUMBER: 1
FILE DATE: 08/02/2002
FILE TIME: 11:01

POINT#	X	Y
1:	0.223	-0.900
2:	0.561	-0.495
3:	0.666	0.269
4:	1.073	0.527
5:	0.115	0.051
6:	0.054	0.237
7:	-0.063	-0.276
8:	-0.713	-0.033
9:	-0.936	-0.611
10:	-1.503	0.727

X CENTROID: -0.052
Y CENTROID: -0.050
POA TO CENTROID: 0.073
HORZ SPREAD: 2.576
VERT SPREAD: 1.627
GROUP SPREAD: 2.584
MIN RADIUS: 0.196
MAX RADIUS: 1.646
MEAN RADIUS: 0.778
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9



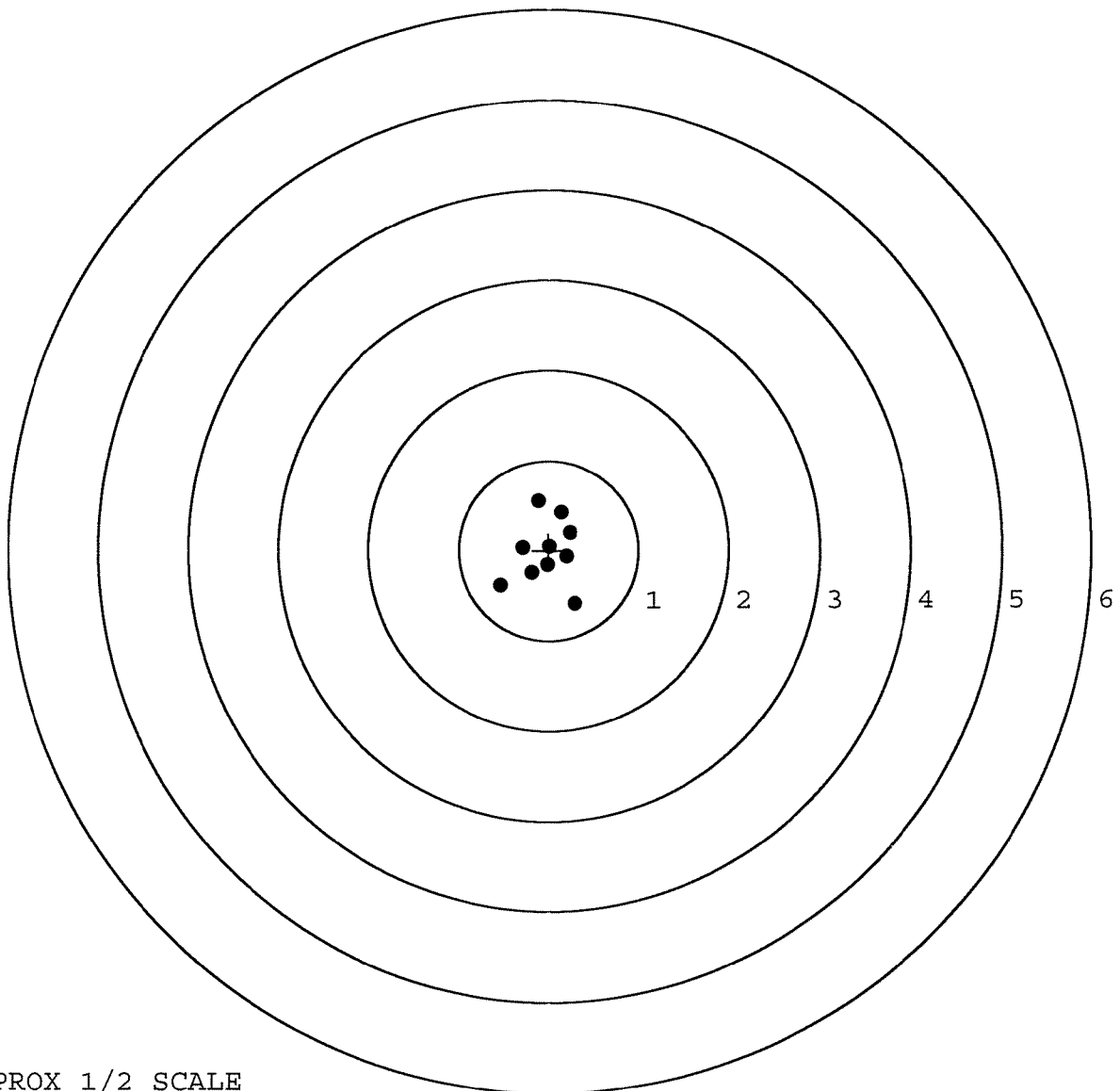
TARGET APPROX 1/2 SCALE

BARBER - M24 0060202

SERIAL NUMBER: C6225406. __0
TARGET NUMBER: 2
FILE DATE: 08/02/2002
FILE TIME: 11:01

POINT#	X	Y
1:	0.295	-0.598
2:	-0.539	-0.391
3:	-0.114	0.551
4:	0.141	0.421
5:	0.246	0.194
6:	0.202	-0.071
7:	-0.014	-0.160
8:	-0.188	-0.252
9:	-0.288	0.029
10:	0.010	0.043

X CENTROID: -0.025
Y CENTROID: -0.023
POA TO CENTROID: 0.034
HORZ SPREAD: 0.834
VERT SPREAD: 1.149
GROUP SPREAD: 1.220
MIN RADIUS: 0.075
MAX RADIUS: 0.658
MEAN RADIUS: 0.369
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



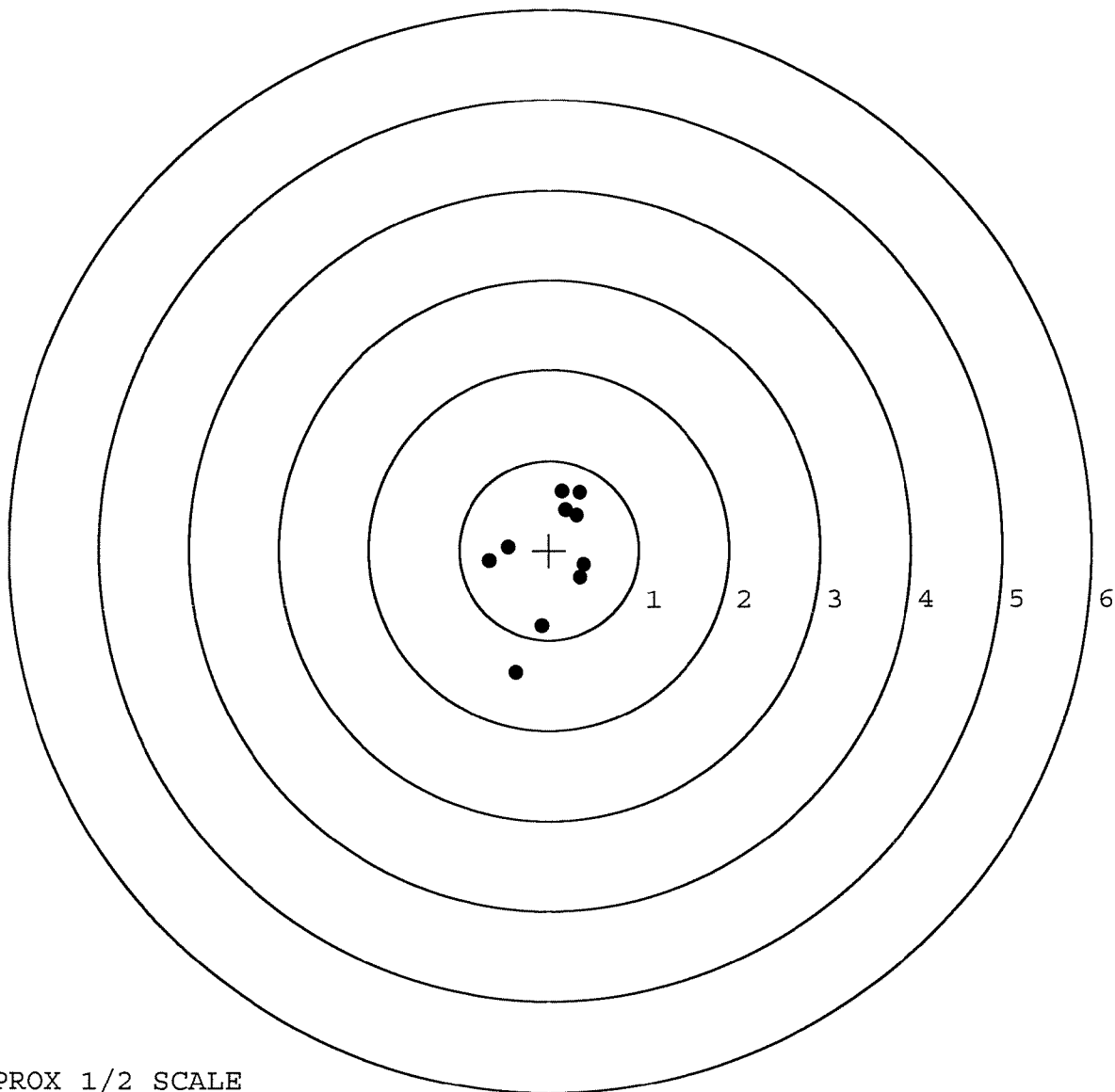
TARGET APPROX 1/2 SCALE

BARBER - M24 0060203

SERIAL NUMBER: C6225406. __0
TARGET NUMBER: 3
FILE DATE: 08/02/2002
FILE TIME: 11:01

POINT#	X	Y
1:	-0.370	-1.363
2:	-0.085	-0.847
3:	-0.665	-0.121
4:	-0.460	0.035
5:	0.389	-0.162
6:	0.351	-0.304
7:	0.181	0.450
8:	0.307	0.393
9:	0.340	0.645
10:	0.141	0.657

X CENTROID: 0.013
Y CENTROID: -0.062
POA TO CENTROID: 0.063
HORZ SPREAD: 1.054
VERT SPREAD: 2.020
GROUP SPREAD: 2.130
MIN RADIUS: 0.389
MAX RADIUS: 1.356
MEAN RADIUS: 0.671
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

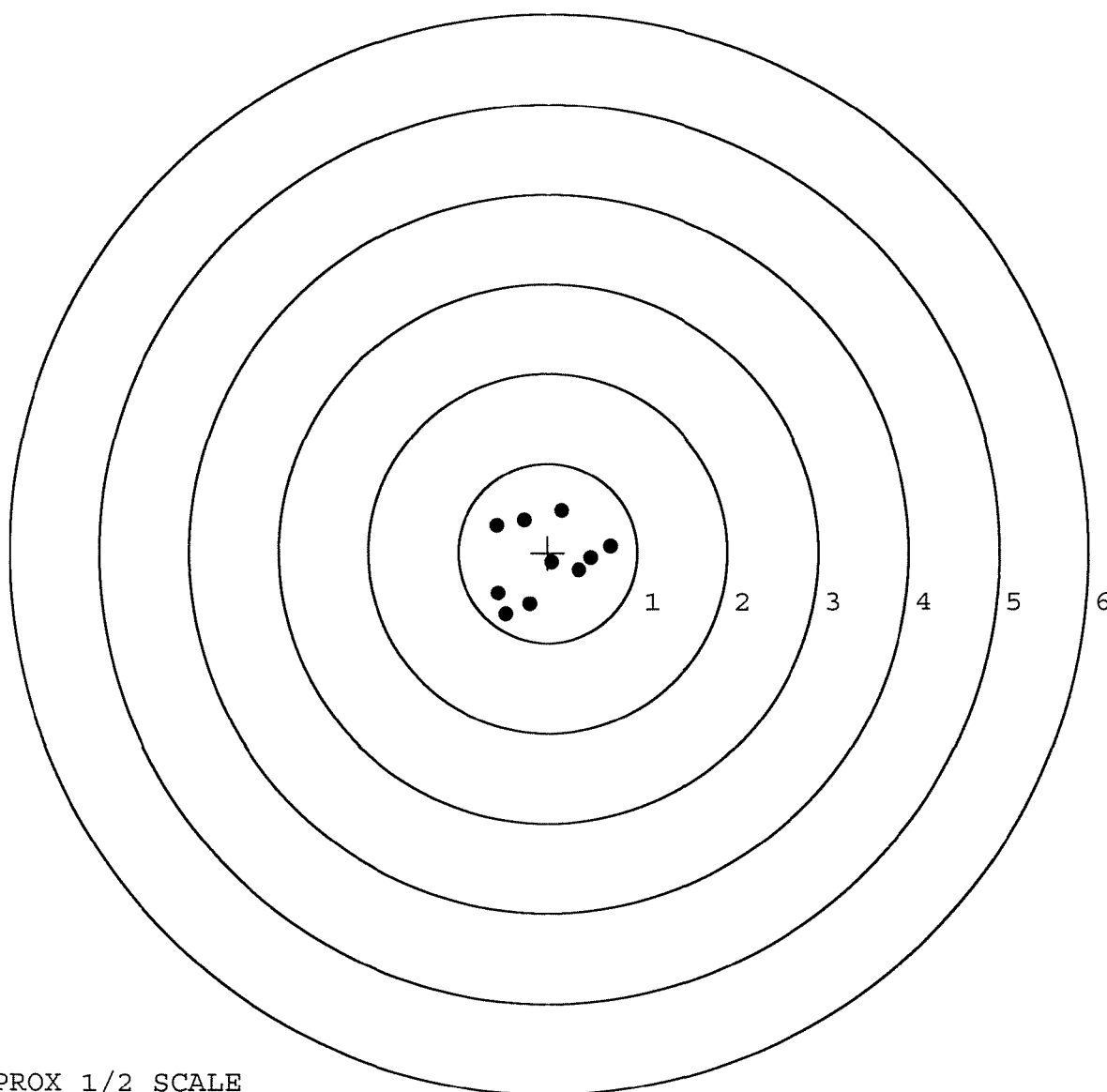
BARBER - M24 0060204

SERIAL NUMBER: C6225406. __0
TARGET NUMBER: 4
FILE DATE: 08/02/2002
FILE TIME: 11:01

X CENTROID: -0.032
Y CENTROID: -0.089
POA TO CENTROID: 0.094
HORZ SPREAD: 1.275
VERT SPREAD: 1.159
GROUP SPREAD: 1.398
MIN RADIUS: 0.078
MAX RADIUS: 0.755
MEAN RADIUS: 0.541

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.201	-0.576
2:	-0.467	-0.691
3:	-0.554	-0.458
4:	0.349	-0.197
5:	0.484	-0.060
6:	0.706	0.070
7:	0.154	0.468
8:	-0.266	0.366
9:	-0.569	0.302
10:	0.042	-0.112



TARGET APPROX 1/2 SCALE

BARBER - M24 0060205

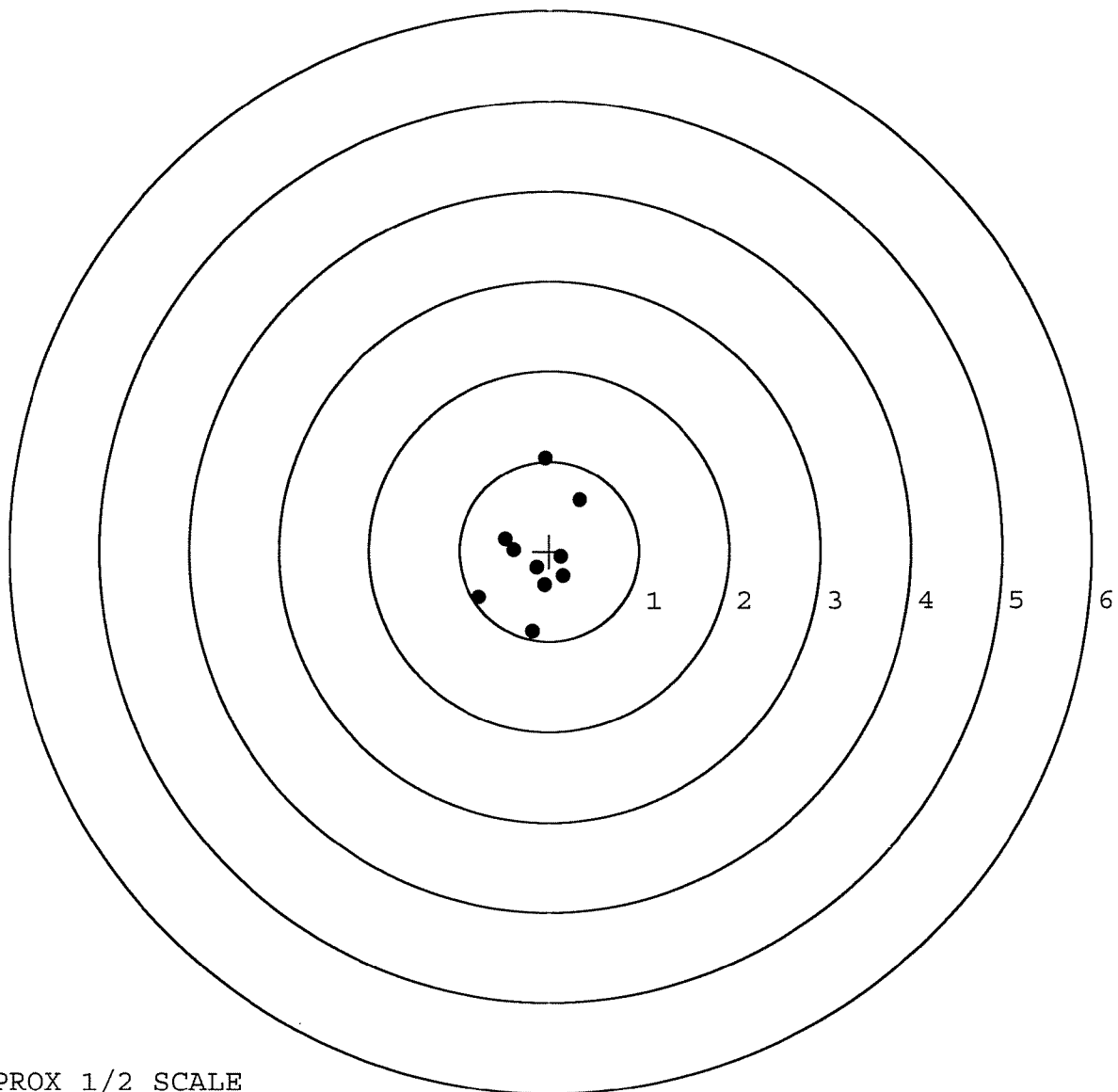
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SERIAL NUMBER: C6225406.__0
TARGET NUMBER: 5
FILE DATE: 08/02/2002
FILE TIME: 11:01
```

POINT#	X	Y
1:	-0.784	-0.517
2:	-0.400	0.018
3:	-0.489	0.135
4:	0.346	0.569
5:	-0.050	1.038
6:	-0.193	-0.897
7:	0.129	-0.062
8:	0.159	-0.275
9:	-0.057	-0.379
10:	-0.142	-0.185

```

X CENTROID:                -0.148
Y CENTROID:                -0.055
POA TO CENTROID:           0.158
HORZ SPREAD:               1.130
VERT SPREAD:               1.935
GROUP SPREAD:              1.940
MIN RADIUS:                0.130
MAX RADIUS:                1.098
MEAN RADIUS:               0.530
# IN 1 IN DIAMETER:        6
# IN 2 IN DIAMETER:        9
# in 3 IN DIAMETER:       10

```



TARGET APPROX 1/2 SCALE

Final Inspection

In: C6225406

DATE REC'D: 7/12/02

DATE RET'D: 8/1/02

EDITOR: RL

Item:

Barrel Assy.

BARRELRECEIVERFRONT SIGHT BLOCKREAR SIGHT BLOCKSCREWSFINISH

Scope Assy.

SCOPESCOPE RINGSMOUNTING SCREWSMOUNTING BASESCREWSFINISHLOOSENESSCLARITY

Misc.

DD-250BAR CODEPACKAGING

Item:

Stock Assy.

STOCKSLING SWIVEL STUDSADJUSTABLE BUTT PLATELOCK NUTSBARREL CLEARANCECOLOR/FINISH

Systems Case

SCOPE CASEIRON SIGHTSDEPLOYMENT KIT

Trigger

SAFETY OPERATIONSET

Comments:

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

R & E NUMBER	49173		
SERIAL NUMBER	0622 5406		
LOG-IN DATE	7/14/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/15/02	RL
560 A	RE-BARREL	7/15/02	DA
B	DRILL AND TAP	7-17-02	RL
575	ASSEMBLE	7/20/02	RL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	7/23/02	TU
618	ROTO-BLAST	7/25/02	HO
620	APPLY COATINGS	7-26	TA
625 A	FINAL ASSEMBLY	7/31/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-1-02	AC
655	FINAL INSPECT	8-1-02	RL
660	PACK	8-1-02	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington®
REG. U.S. PAT. & TM. OFF.

DUPONT

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

MODEL 700™ M24

SERIAL NO.
C6225406

ORDER NO.
5716

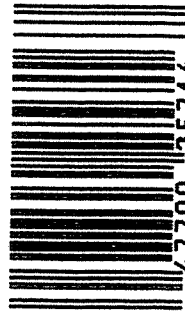
MADE IN ILLION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6225406

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225406

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 4	89	RW
600	Proof	4 4	89	RW
607	Check Headspace	4 4	89	RW
610	Dis-assemble Gun	4 4	89	RW
612	Magnaflux Barrel Action	4-6	89	KCR
	Magnaflux Bolt	4-7	89	KCR
615	Rollmark Caliber	4-7	89	GS
617	Drill and Tap Sight Holes	4 7	89	FB
618	Polish Barrel	4 7	89	BT
620	Apply Coatings (Barrel Action)		4-19-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/19/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/19/89	RW
	C) Inspect Ejector Hole for Chamfer		4/19/89	RW
	D) Oil Firing Pin Ass'y		4/19/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/20/89	GS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/20/89	JD
	G) Safety Off Force	2	2	2			4/20/89	JD
	H) Trigger Pull Test & Retainability						4/20/89	G.S.
	I) Firing Pin Indent	.020	.020	.020			4/20/89	JD
	J) Assemble Stock						4/21/89	RW
	K) Assemble Swivel Studs						25 April 89	JD
	L) Attach Front and Rear Sight Assemblies						4/21/89	RW
	M) Iron Sight Alignment						4/21/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/21/89	RW
	O) Attach Scope to Rifle						4/21/89	JD
	P) Detach & Attach Scope 20 Times						4/21/89	JD
640	Gallery Target & Test	47 R	106 L				4/21/89	K
	A) Time						4/21/89	K
	B) Malfunctions						4/21/89	K
	C) Pierced Primers						4/21/89	K
	D) Optical Clarity of Scope						4/21/89	K
645	Inspect for Live Ammo						4/21/89	K
655	Final Inspection							
	A) Headspace						25 April 89	JD
	B) Trigger Pull	2.17	2.23	2.24	2.01	2.10	25 April 89	JD
	C) Function						25 April 89	JD
660	Pack						27 April 89	JD

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

SERIAL NO. C6225406
DATE 20 April 89
TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.07	2.24	2.17	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.07	2.51	2.14	2.23	
PULL #3	2.37	2.42	2.20	2.24	
PULL #4	2.27	2.14	2.14	2.01	
PULL #5	2.45	2.39	2.04	2.10	
TOTAL	11.46	11.53	10.76	10.75	
AVG.	2.292	2.306	2.152	2.15	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	2.68		
PULL #2	3.25	3.07		
PULL #3	3.24	2.76		
PULL #4	2.97	3.14		
PULL #5	3.31	2.92		
TOTAL	15.93	14.57		
AVG.	3.186	2.914		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	3.98		4.41
PULL #2	4.22	3.96		4.40
PULL #3	4.07	3.67		4.35
PULL #4	4.25	3.89		4.32
PULL #5	4.17	4.12		4.33
TOTAL	20.93	19.52		21.81
AVG.	4.186	3.904		4.362

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225406
24 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.208125
1 TO	2	.397554
1 TO	3	.1786
1 TO	4	.693334
1 TO	5	.382523

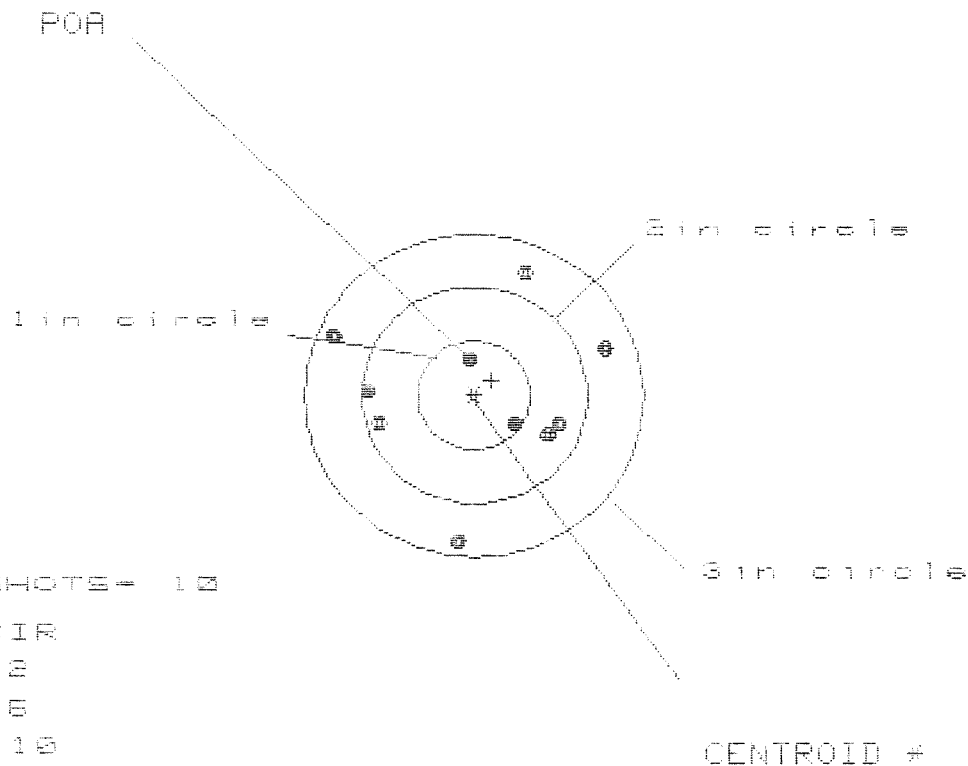
ste^a <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0744
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0514
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0964285
THE AMR FOR THIS RIFLE IS: .9154

21 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225406

CENTERFIRE PATTERNS # 1

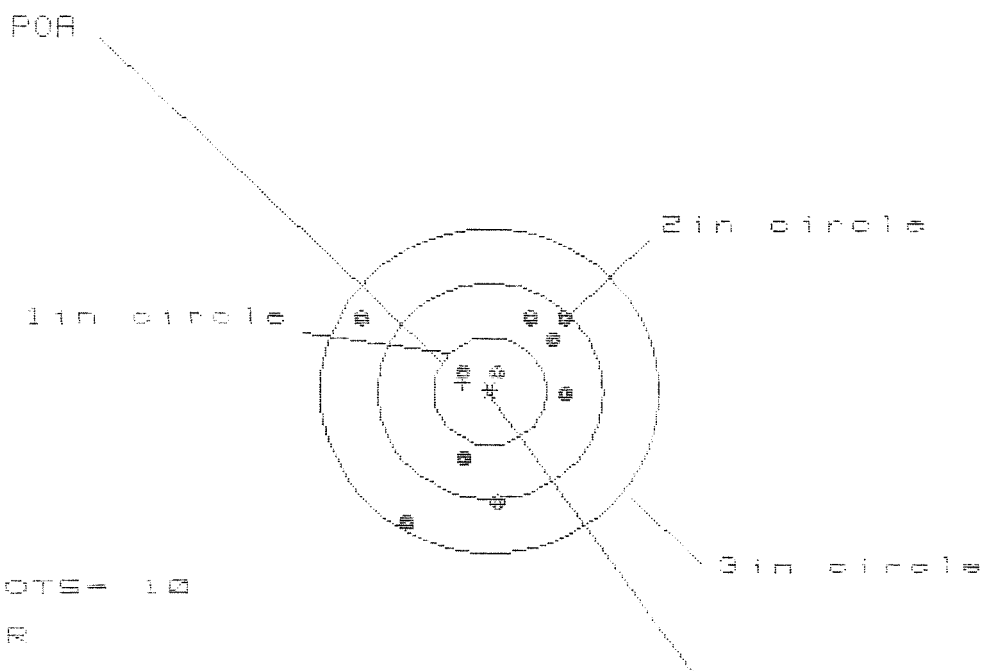


PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.114	.971	.934
MINIMUM X	-1.291	-1.127	-1.164
MAXIMUM Y	1.127	1.185	1.028
MINIMUM Y	-1.314	-1.255	-.429
CENTROID X	-.154	-.011	.026
CENTROID Y	-.140	-.198	-.041
POA TO CENTROID in.	.208	.198	.048
MIN RADIUS	.326	.323	.333
MEAN RADIUS	.927	.852	.793
MAX RADIUS	1.393	1.289	1.168
HORIZONTAL SPREAD	2.405	2.098	2.098
VERTICAL SPREAD	2.440	2.440	1.457
EXTREME SPREAD	2.519	2.519	2.142
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

21 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225486

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 10

HS = 1.882

VS = 1.961

GS = 2.421

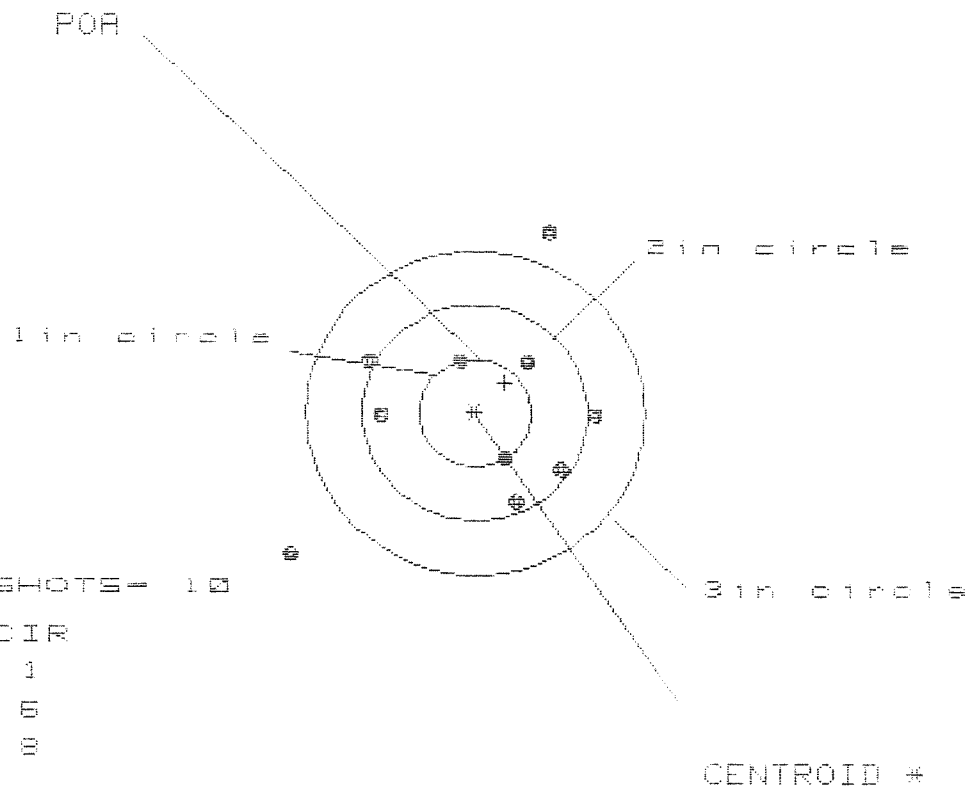
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.688	.598	.447
MINIMUM X	:	-1.122	-1.284	-.514
MAXIMUM Y	:	.692	.551	.616
MINIMUM Y	:	-1.269	-1.161	-1.097
CENTROID X	:	.239	.321	.472
CENTROID Y	:	-.080	.061	-.004
POA TO CENTROID in.	:	.252	.327	.472
MIN RADIUS	:	.204	.090	.250
MEAN RADIUS	:	.807	.700	.625
MAX RADIUS	:	1.469	1.311	1.105
HORIZONTAL SPREAD	:	1.802	1.802	.961
VERTICAL SPREAD	:	1.961	1.712	1.712
EXTREME SPREAD	:	2.421	2.074	1.810
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

21 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06025406

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS = 2.718

VS = 3.033

GS = 3.847

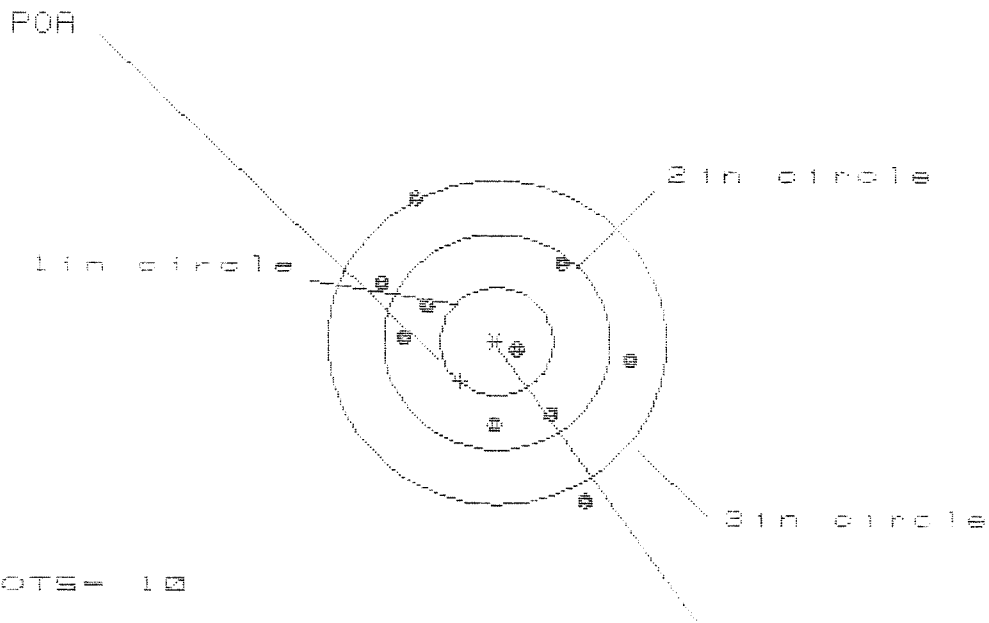
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.037	.850	.912
MINIMUM X	-1.681	-1.100	-1.038
MAXIMUM Y	1.699	1.551	.577
MINIMUM Y	-1.334	-.988	-.794
CENTROID X	-.261	-.074	-.136
CENTROID Y	-.283	-.135	-.329
POA TO CENTROID in.	.385	.154	.356
MIN RADIUS	.488	.449	.388
MEAN RADIUS	1.049	.904	.796
MAX RADIUS	2.146	1.629	1.170
HORIZONTAL SPREAD	2.718	1.950	1.950
VERTICAL SPREAD	3.033	2.539	1.371
EXTREME SPREAD	3.847	2.556	2.029
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

21 Apr 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06225486

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.210

VS= 2.793

GS= 3.167

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.175	1.260	1.180
MINIMUM X	:	-1.035	-0.950	-1.030
MAXIMUM Y	:	1.333	1.171	.754
MINIMUM Y	:	-1.460	-0.950	-0.804
CENTROID X	:	.320	.235	.315
CENTROID Y	:	.366	.528	.382
POA TO CENTROID in.	:	.486	.578	.495
MIN RADIUS	:	.208	.355	.216
MEAN RADIUS	:	.982	.906	.833
MAX RADIUS	:	1.648	1.336	1.193
HORIZONTAL SPREAD	:	2.210	2.210	2.210
VERTICAL SPREAD	:	2.793	2.121	1.558
EXTREME SPREAD	:	3.167	2.419	2.323
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

21 Apr 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C8825486

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 8

3 in = 10

HS= 2.156

VS= 1.626

GS= 2.252

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.307	.905	.817
MINIMUM X	-.849	-.704	-.765
MAXIMUM Y	.694	.662	.542
MINIMUM Y	-.932	-.964	-.508
CENTROID X	.228	.083	.171
CENTROID Y	-.120	-.088	.032
POA TO CENTROID in.	.257	.121	.174
MIN RADIUS	.472	.383	.335
MEAN RADIUS	.812	.725	.655
MAX RADIUS	1.337	1.193	.953
HORIZONTAL SPREAD	2.156	1.609	1.582
VERTICAL SPREAD	1.626	1.626	1.050
EXTREME SPREAD	2.252	2.066	1.625
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	