

06225607

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.

4 pack 2

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSP Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00049190** Serial: C6225607 Model: 700 Center Fire Caliber: 7.62 NATO M24 SWS Repairman: Status: Closed 7/12/02 10:33:32 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **JOINT TRANSPORT DIV** **JOINT TRANSPORT DIV**

Address 1: **ATTN ATZH JTM M** **ATTN ATZH JTM M**

Address 2: **BOX 339500 MS 53** **BOX 339500 MS 53** 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:

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSP Notes:

Accessories Received

Code	Desc	Qty

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

inquiry 7/12/02 11:06 AM CAPS NUM INS SCFL

Start [Icons] 11:06 AM

Serial Number: **C6225607**Model: **700****RE00049190**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225607.___0
FILE DATE AND TIME: 08/01/2002 22:11

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.037
The Average Y Centroid of the Five Target Set:	-0.059
The Average Point of Impact of the Five Target Set:	0.070
The Average Mean Radius of the Five Target Set:	0.573
The Distance from POA to Centroid Target #1:	0.266
The Distance from Centroid Target #2 to Centroid Target #1:	0.378
The Distance from Centroid Target #3 to Centroid Target #1:	0.455
The Distance from Centroid Target #4 to Centroid Target #1:	0.257
The Distance from Centroid Target #5 to Centroid Target #1:	0.421

SERIAL NUMBER: C6225607. 0

TARGET NUMBER: 1

FILE DATE: 08/01/2002

FILE TIME: 22:11

X CENTROID: -0.259

Y CENTROID: -0.061

POA TO CENTROID: 0.266

HORZ SPREAD: 1.206

VERT SPREAD: 1.307

GROUP SPREAD: 1.563

MIN RADIUS: 0.102

MAX RADIUS: 1.069

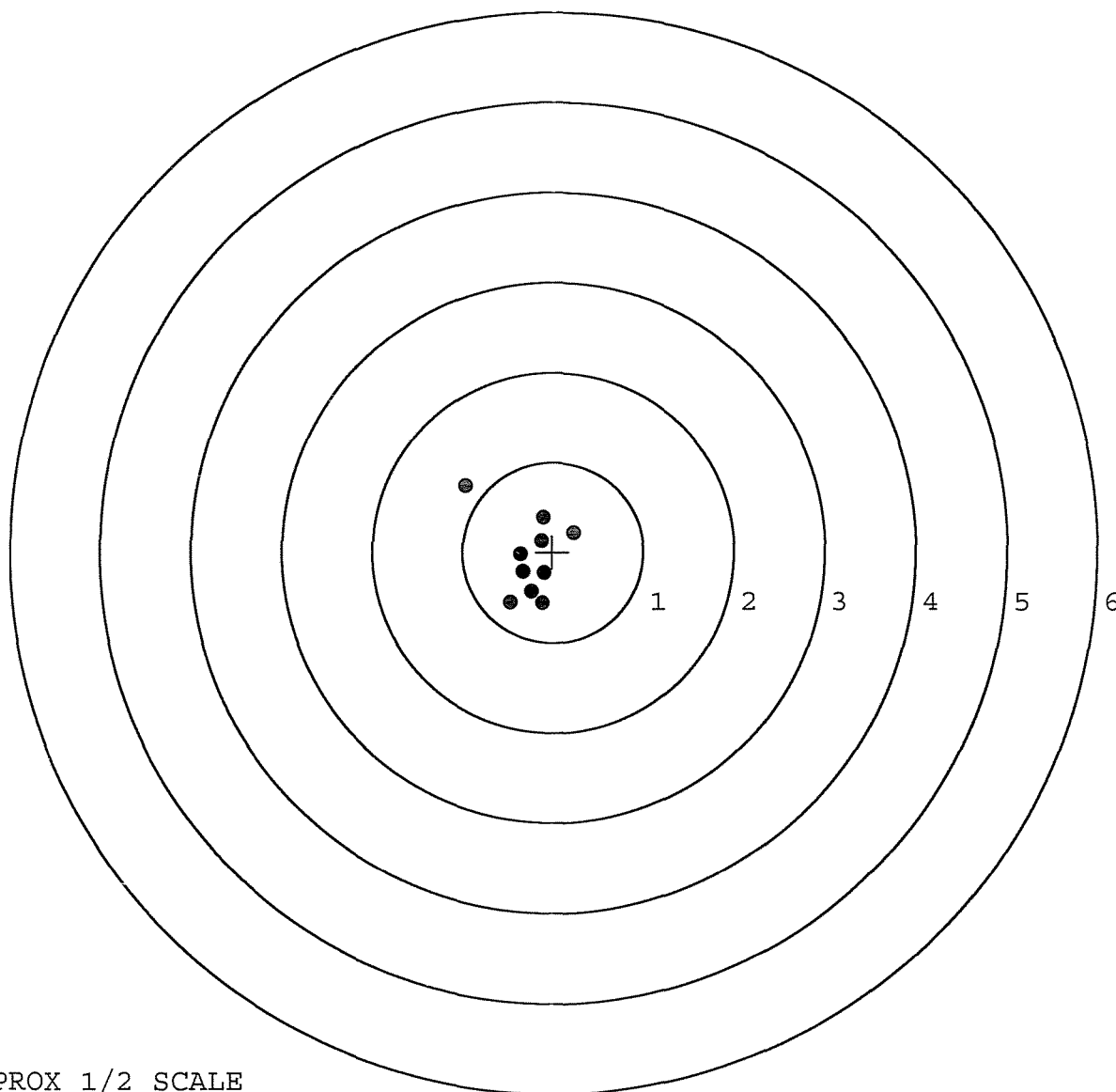
MEAN RADIUS: 0.431

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.973	0.734
2:	-0.109	0.385
3:	0.233	0.215
4:	-0.131	0.125
5:	-0.357	-0.032
6:	-0.096	-0.238
7:	-0.331	-0.222
8:	-0.470	-0.562
9:	-0.238	-0.443
10:	-0.116	-0.573



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225607. 0

TARGET NUMBER: 2

FILE DATE: 08/01/2002

FILE TIME: 22:11

POINT#	X	Y
1:	0.208	-1.722
2:	0.701	-0.810
3:	0.496	-0.471
4:	0.318	-0.467
5:	0.115	-0.367
6:	-0.684	0.210
7:	-0.385	0.216
8:	0.293	0.654
9:	-0.201	1.653
10:	0.293	-0.006

X CENTROID: 0.115

Y CENTROID: -0.111

POA TO CENTROID: 0.160

HORZ SPREAD: 1.385

VERT SPREAD: 3.375

GROUP SPREAD: 3.400

MIN RADIUS: 0.206

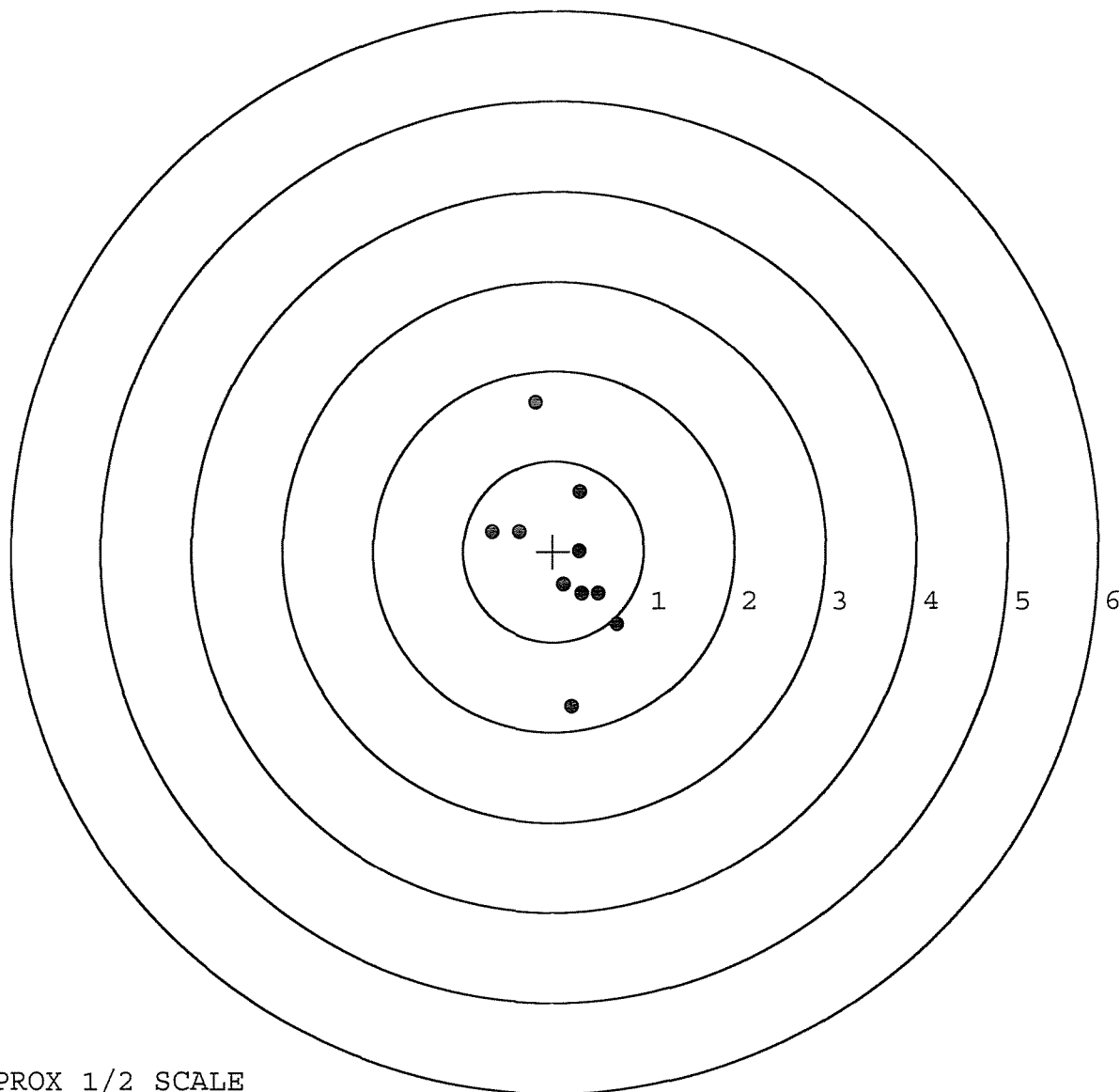
MAX RADIUS: 1.792

MEAN RADIUS: 0.796

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225607. 0

TARGET NUMBER: 3

FILE DATE: 08/01/2002

FILE TIME: 22:11

POINT#	X	Y
1:	0.084	-1.068
2:	-0.482	-0.242
3:	-0.313	0.144
4:	-0.089	0.731
5:	0.612	0.360
6:	0.773	-0.175
7:	0.223	-0.058
8:	0.249	-0.338
9:	0.432	-0.361
10:	0.360	-0.624

X CENTROID: 0.185

Y CENTROID: -0.163

POA TO CENTROID: 0.247

HORZ SPREAD: 1.255

VERT SPREAD: 1.799

GROUP SPREAD: 1.807

MIN RADIUS: 0.112

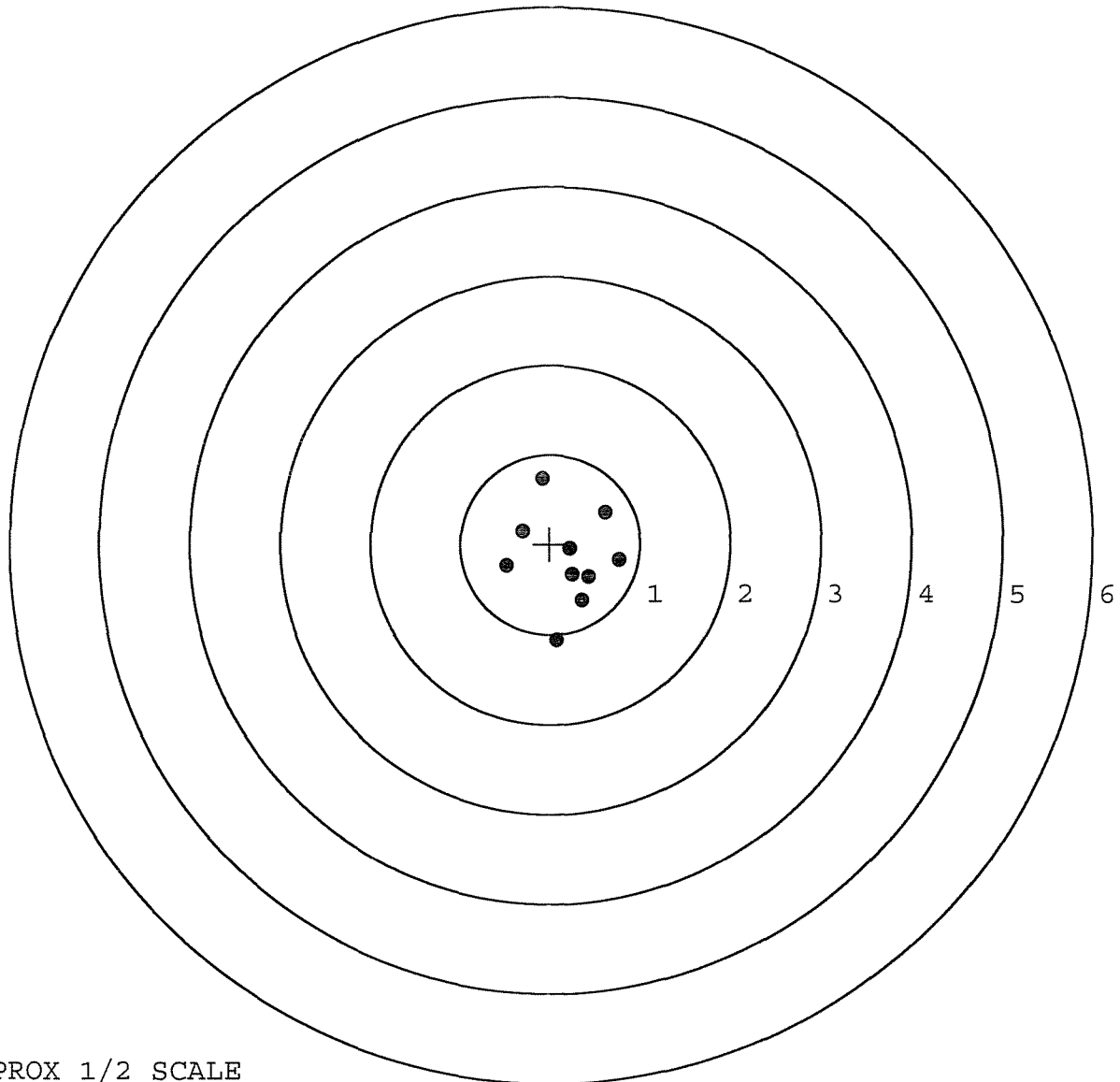
MAX RADIUS: 0.935

MEAN RADIUS: 0.547

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225607. 0

TARGET NUMBER: 4

FILE DATE: 08/01/2002

FILE TIME: 22:11

POINT#	X	Y
1:	0.531	0.650
2:	0.438	0.065
3:	0.361	-0.054
4:	0.369	-0.335
5:	0.155	-0.378
6:	-0.204	-0.353
7:	-0.421	-0.100
8:	-0.539	0.041
9:	-0.720	0.103
10:	-0.035	0.245

X CENTROID: -0.006

Y CENTROID: -0.012

POA TO CENTROID: 0.013

HORZ SPREAD: 1.251

VERT SPREAD: 1.028

GROUP SPREAD: 1.365

MIN RADIUS: 0.258

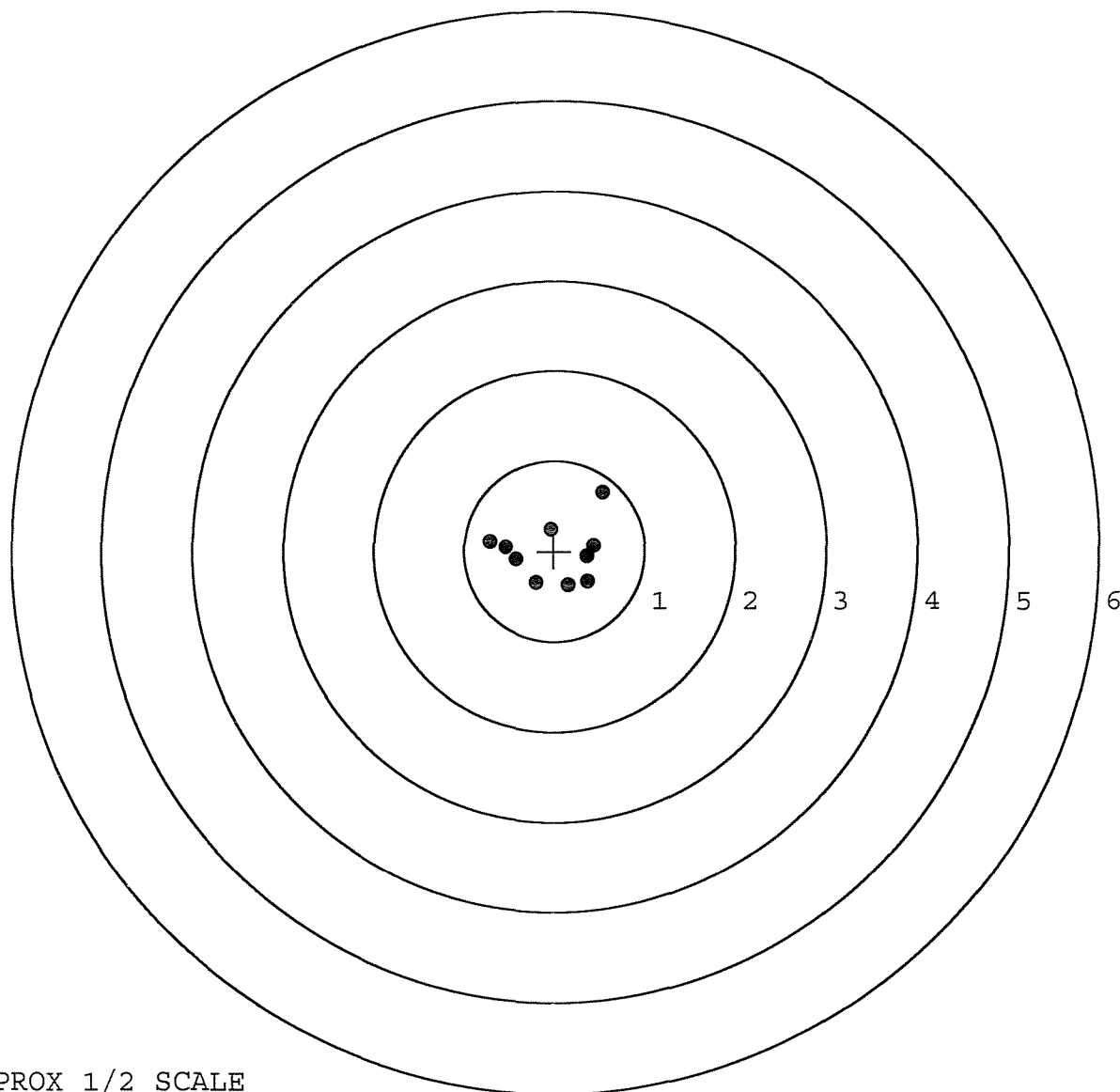
MAX RADIUS: 0.852

MEAN RADIUS: 0.490

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225607. 0

TARGET NUMBER: 5

FILE DATE: 08/01/2002

FILE TIME: 22:11

POINT#	X	Y
1:	0.284	-0.939
2:	0.476	-0.903
3:	0.814	-0.242
4:	0.219	-0.017
5:	0.349	0.286
6:	0.289	0.629
7:	0.103	0.396
8:	-0.078	0.297
9:	-0.279	0.244
10:	-0.700	0.745

X CENTROID: 0.148

Y CENTROID: 0.050

POA TO CENTROID: 0.156

HORZ SPREAD: 1.514

VERT SPREAD: 1.684

GROUP SPREAD: 2.025

MIN RADIUS: 0.098

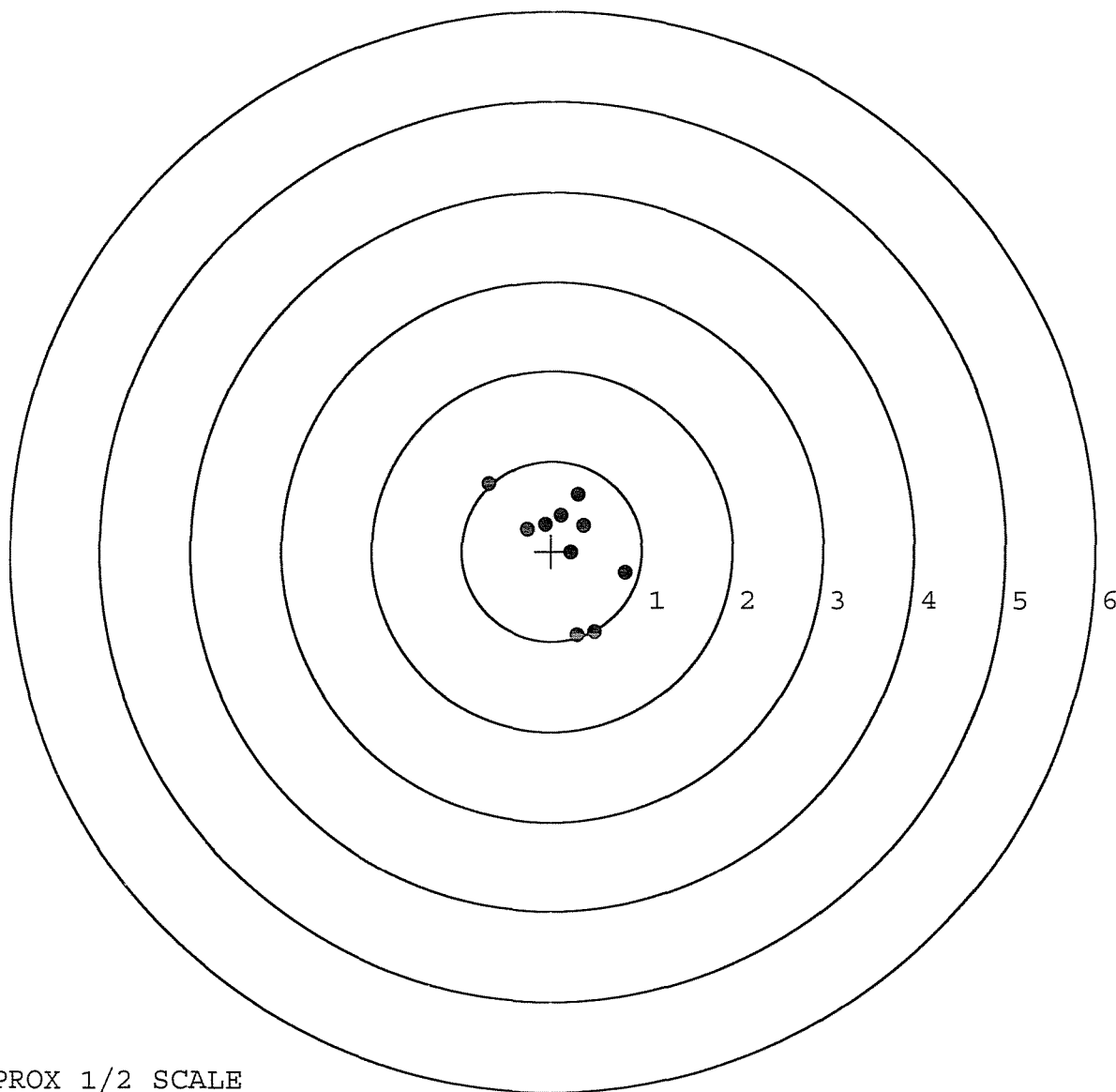
MAX RADIUS: 1.096

MEAN RADIUS: 0.599

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		49190	
SERIAL NUMBER		C622 5607	
LOG-IN DATE		7/12/02	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/16/02	RL
560 A	RE-BARREL	7/16/02	DA
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/19/02	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	TD
618	ROTO-BLAST	7/25/02	KO
620	APPLY COATINGS	7-26	TA
625 A	FINAL ASSEMBLY	7/30/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	7-31-02	RW
655	FINAL INSPECT	8-2-02	RL
660	PACK	8-2-02	DA
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

In: 622 3007

DATE REC'D: 7/12/02

DATE RET'D: 8/1/02

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:




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

MODEL 700™ H24

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

SERIAL NO.
C6225607

ORDER NO.
5716

01



5716 C6225607

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225607

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 21	89	RW
600	Proof	4 21	89	RW
607	Check Headspace	4 21	89	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		4/26	KCR
	Magnaflux Bolt		4/27	KCR
615	Rollmark Caliber		4/27	LS
617	Drill and Tap Sight Holes	4 27	89	YB
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5/5/89	ISA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/16/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/16/89	RW
	C) Inspect Ejector Hole for Chamfer		5/16/89	RW
	D) Oil Firing Pin Ass'y		5/16/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/19/89	JA

Op. #	BARBER NAME	0052352	READINGS					DATE	INIT
625 cont.	F) Safety On Force		6	5.5	5.5			5/19/89	RW
	G) Safety Off Force		2.5	2.5	2.5			5/19/89	RW
	H) Trigger Pull Test & Retainability							5/19/89	JH
	I) Firing Pin Indent		.021	.0215	.022			5/19/89	RW
	J) Assemble Stock							5/22/89	RW
	K) Assemble Swivel Studs							25 May 89	JH
	L) Attach Front and Rear Sight Assemblies							5/22/89	RW
	M) Iron Sight Alignment							5/22/89	RW
	N) Detach Front & Rear Sights & place in numbered container							5/22/89	RW
	O) Attach Scope to Rifle							5/22/89	JH
	P) Detach & Attach Scope 20 Times							5/22/89	W.B.
640	Gallery Target & Test		57 R	99L				5-23-89	A
	A) Time							"	A
	B) Malfunctions							"	A
	C) Pierced Primers							"	A
	D) Optical Clarity of Scope							"	A
645	Inspect for Live Ammo							5-23-89	A
655	Final Inspection								
	A) Headspace							25 May 89	JH
	B) Trigger Pull		258	281	260	255	253	25 May 89	JH
	C) Function							25 May 89	JH
660	Pack							26 May 89	JH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225607DATE 5/19/89TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.33	2.54	2.58	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.31	2.54	2.81	
PULL #3	2.37	2.43	2.57	2.60	
PULL #4	2.28	2.31	2.53	2.55	
PULL #5	2.33	2.47	2.36	2.53	
TOTAL	11.83	11.85	12.54	13.07	
AVG.	2.366	2.370	2.508	2.614	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.10		
PULL #2	3.20	3.05		
PULL #3	3.00	3.14		
PULL #4	3.26	3.10		
PULL #5	3.31	3.15		
TOTAL	15.97	15.54		
AVG.	3.194	3.108		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.32		4.02
PULL #2	4.30	4.28		4.04
PULL #3	4.24	4.22		4.06
PULL #4	4.24	4.30		4.36
PULL #5	4.22	4.28		4.32
TOTAL	21.36	21.40		20.80
AVG.	4.272	4.280		4.160

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225607
30 May 1989

CENTROIDAL DISTANCES

0 TO	1	.0230217
1 TO	2	.435167
1 TO	3	.247002
1 TO	4	.517282
1 TO	5	.79774

5
4³+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3636
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.022
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .364265
THE AMR FOR THIS RIFLE IS: .9012

23 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225607

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in - 2

2in - 7

3in = 10

HS- 2.030

VS= 1.626

GS= 2.450

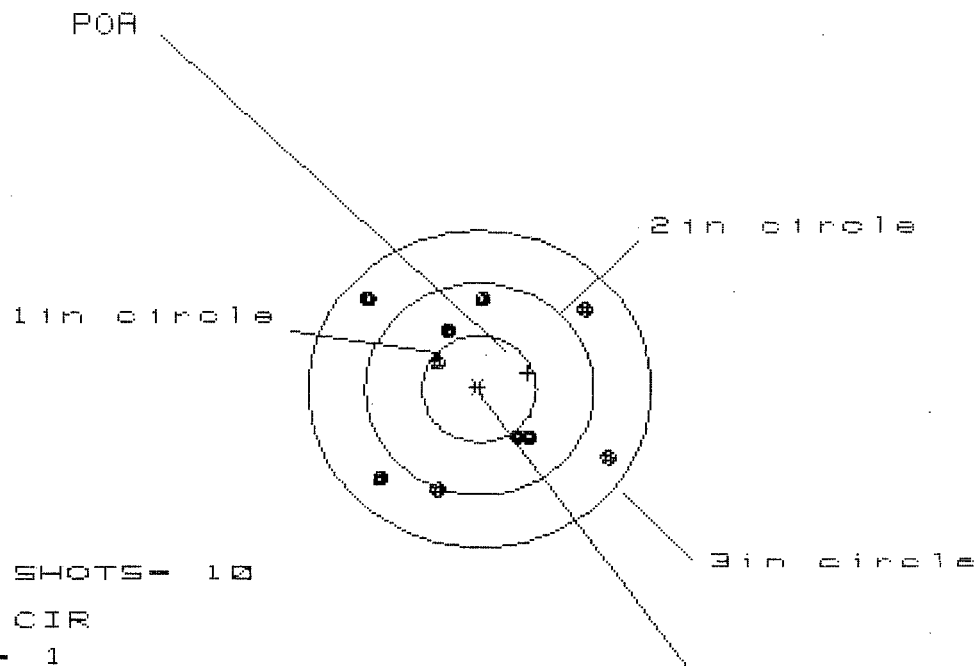
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.902	.777	.510
MINIMUM X	:	-1.128	-1.007	-.910
MAXIMUM Y	:	.903	.995	.938
MINIMUM Y	:	-.723	-.631	-.688
CENTROID X	:	-.019	.106	.009
CENTROID Y	:	-.013	-.105	-.048
POA TO CENTROID in.	:	.023	.149	.049
MIN RADIUS	:	.446	.389	.440
MEAN RADIUS	:	.786	.693	.671
MAX RADIUS	:	1.399	1.077	1.068
HORIZONTAL SPREAD	:	2.030	1.784	1.420
VERTICAL SPREAD	:	1.626	1.626	1.626
EXTREME SPREAD	:	2.450	1.917	1.631
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

23 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225607

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in - 1

2in - 5

3in = 10

HS- 2.111

VS= 1.843

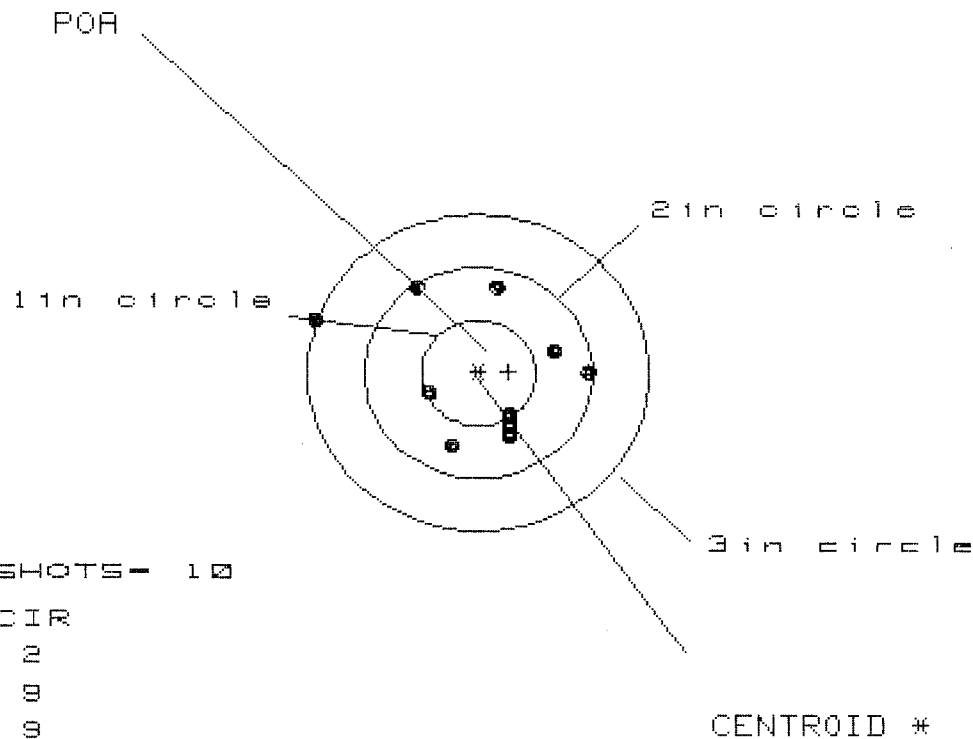
GS= 2.545

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.125	1.015	.951
MINIMUM X	:	-.986	-.998	-.871
MAXIMUM Y	:	.903	.994	.930
MINIMUM Y	:	-.940	-.849	-.913
CENTROID X	:	-.430	-.320	-.447
CENTROID Y	:	-.156	-.247	-.183
POA TO CENTROID in.	:	.457	.404	.483
MIN RADIUS	:	.443	.458	.442
MEAN RADIUS	:	.921	.871	.831
MAX RADIUS	:	1.283	1.245	1.214
HORIZONTAL SPREAD	:	2.111	2.013	1.822
VERTICAL SPREAD	:	1.843	1.843	1.843
EXTREME SPREAD	:	2.545	2.400	2.400
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

23 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225687

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 9

3in = 9

HS = 2.387

VS = 1.526

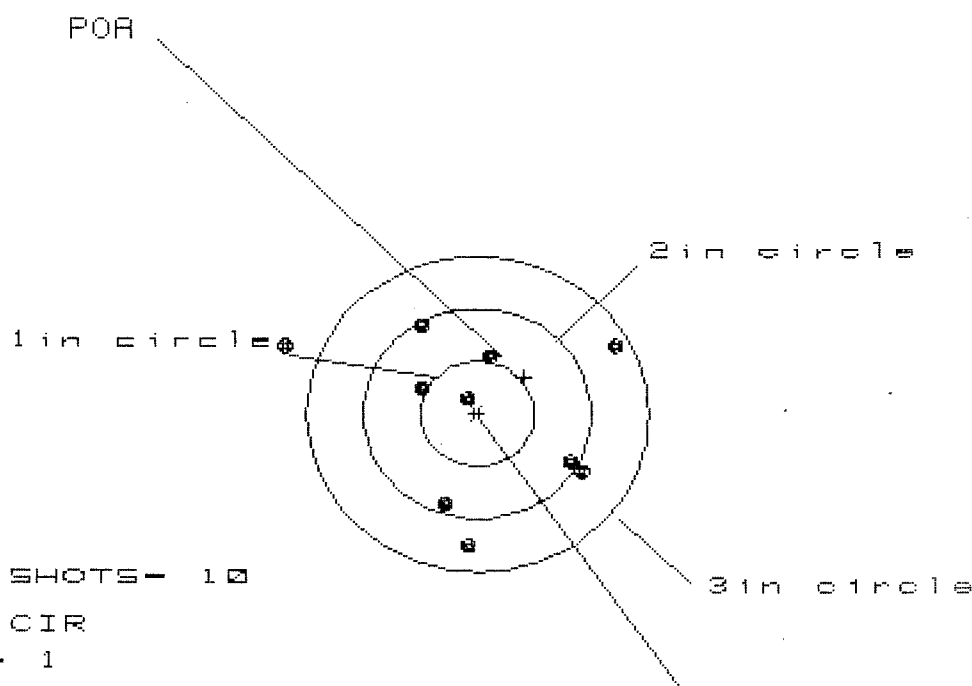
GS = 2.435

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.970	.813	.723
MINIMUM X	:	-1.417	-.715	-.696
MAXIMUM Y	:	.851	.907	1.017
MINIMUM Y	:	-.675	-.619	-.509
CENTROID X	:	-.266	-.109	-.019
CENTROID Y	:	-.014	-.070	-.180
POA TO CENTROID in.	:	.267	.129	.181
MIN RADIUS	:	.495	.381	.258
MEAN RADIUS	:	.803	.693	.601
MAX RADIUS	:	1.504	1.135	1.018
HORIZONTAL SPREAD	:	2.387	1.528	1.419
VERTICAL SPREAD	:	1.526	1.526	1.526
EXTREME SPREAD	:	2.435	1.725	1.594
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

23 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225607

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 6

3 in - 9

HS- 2.916

VS- 2.087

GS- 2.916

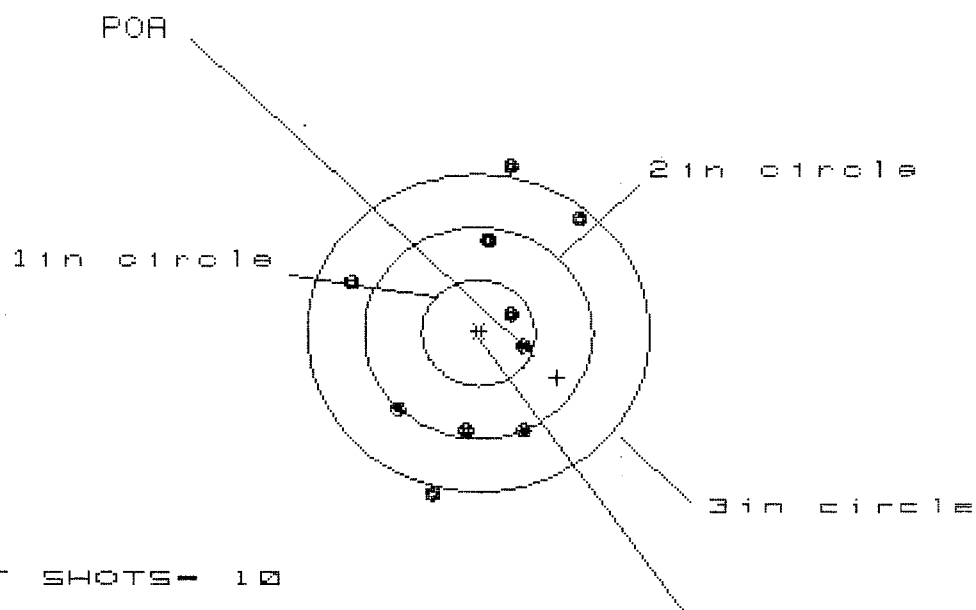
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.192	1.000	.836
MINIMUM X	:	-1.724	-.660	-.535
MAXIMUM Y	:	.836	.906	.990
MINIMUM Y	:	-1.251	-1.181	-1.097
CENTROID X	:	-.414	-.223	-.348
CENTROID Y	:	-.347	-.417	-.501
POA TO CENTROID in.	:	.541	.473	.610
MIN RADIUS	:	.174	.366	.338
MEAN RADIUS	:	.955	.863	.809
MAX RADIUS	:	1.836	1.211	1.111
HORIZONTAL SPREAD	:	2.916	1.660	1.371
VERTICAL SPREAD	:	2.087	2.087	2.087
EXTREME SPREAD	:	2.916	2.245	2.118
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

23 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225607

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 1.985

VS= 3.159

GS= 3.244

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.902	.935	.884
MINIMUM X	-1.083	-1.050	-1.101
MAXIMUM Y	1.599	1.297	1.125
MINIMUM Y	-1.560	-1.383	-.908
CENTROID X	-.689	-.722	-.671
CENTROID Y	.420	.243	.415
POA TO CENTROID in.	.807	.761	.789
MIN RADIUS	.303	.438	.291
MEAN RADIUS	1.041	.966	.892
MAX RADIUS	1.626	1.599	1.430
HORIZONTAL SPREAD	1.985	1.985	1.985
VERTICAL SPREAD	3.159	2.680	2.033
EXTREME SPREAD	3.244	2.997	2.465
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		