

C6225442

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Arms Services Repair & Estimate System

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

Repair Inquiry

Repair Number: **RE00049178** Serial: C6225442 Model: 700 Center Fire Caliber: 7.62 NATO M24-SWS Repairman: Status: Closed 7/12/02 10:31:10 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 PD Box: BOX 339500 MS 53 PD 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

Condition: Fair

Condition Notes: CSF Notes:

Accessories Received

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

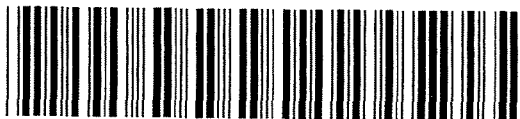
Repair Search Refresh Close

radlet 7/12/02 10:38 AM CAPS NUM IWS SCRL

Start | C | A | S | V | C | P | F | S | 10:38 AM

Serial Number: **C6225442**

Model: **700**



RE00049178

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225442.___0
FILE DATE AND TIME: 08/07/2002 12:02

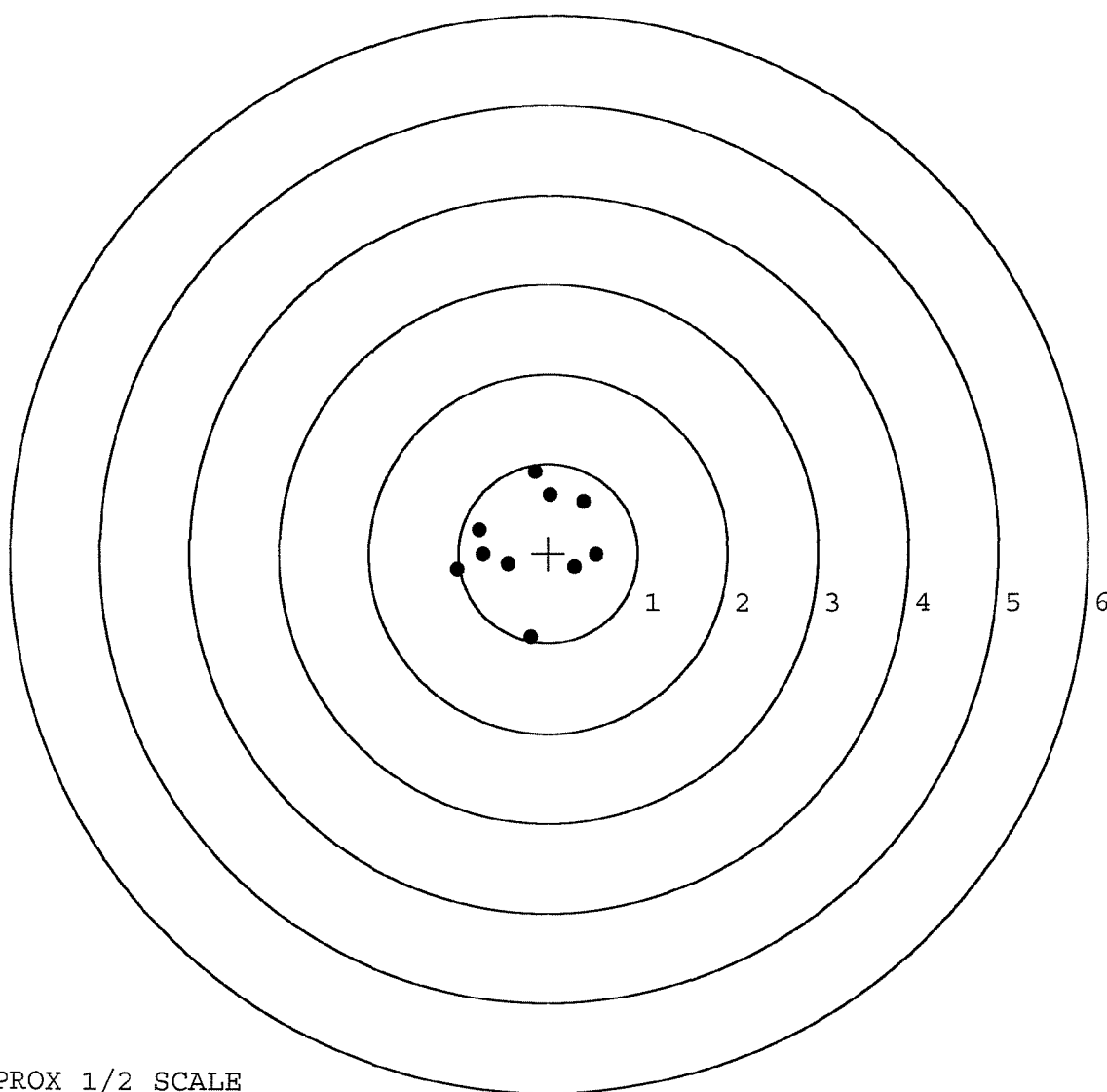
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.098
The Average Y Centroid of the Five Target Set:	-0.004
The Average Point of Impact of the Five Target Set:	0.098
The Average Mean Radius of the Five Target Set:	0.610
The Distance from POA to Centroid Target #1:	0.230
The Distance from Centroid Target #2 to Centroid Target #1:	0.251
The Distance from Centroid Target #3 to Centroid Target #1:	0.106
The Distance from Centroid Target #4 to Centroid Target #1:	0.134
The Distance from Centroid Target #5 to Centroid Target #1:	0.321

SERIAL NUMBER: C6225442. __0
 TARGET NUMBER: 1
 FILE DATE: 08/07/2002
 FILE TIME: 12:02

POINT#	X	Y
1:	-0.195	-0.941
2:	0.537	-0.022
3:	0.295	-0.156
4:	0.387	0.579
5:	0.014	0.656
6:	-0.147	0.907
7:	-0.780	0.261
8:	-0.450	-0.122
9:	-0.733	-0.015
10:	-1.019	-0.186

X CENTROID: -0.209
 Y CENTROID: 0.096
 POA TO CENTROID: 0.230
 HORZ SPREAD: 1.556
 VERT SPREAD: 1.848
 GROUP SPREAD: 1.849
 MIN RADIUS: 0.325
 MAX RADIUS: 1.037
 MEAN RADIUS: 0.685
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



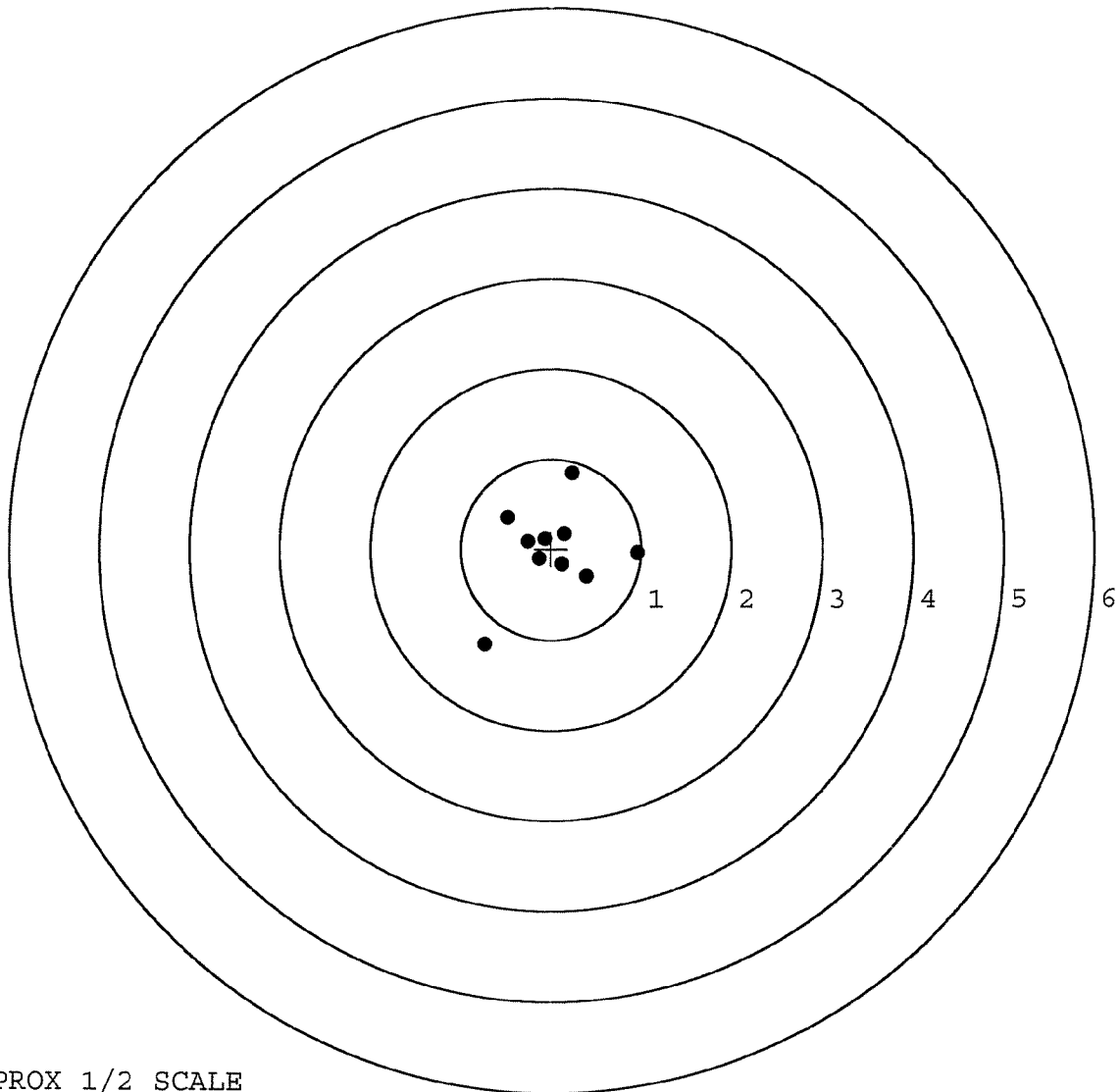
TARGET APPROX 1/2 SCALE

BARBER - M24 0060891

SERIAL NUMBER: C6225442. __0
 TARGET NUMBER: 2
 FILE DATE: 08/07/2002
 FILE TIME: 12:02

POINT#	X	Y
1:	0.959	-0.050
2:	0.234	0.846
3:	-0.734	-1.051
4:	0.399	-0.302
5:	-0.484	0.351
6:	0.147	0.170
7:	0.122	-0.172
8:	-0.138	-0.108
9:	-0.262	0.082
10:	-0.072	0.108

X CENTROID: 0.017
 Y CENTROID: -0.013
 POA TO CENTROID: 0.021
 HORZ SPREAD: 1.693
 VERT SPREAD: 1.897
 GROUP SPREAD: 2.130
 MIN RADIUS: 0.150
 MAX RADIUS: 1.282
 MEAN RADIUS: 0.525
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0060892

SERIAL NUMBER: C6225442. __0

TARGET NUMBER: 3

FILE DATE: 08/07/2002

FILE TIME: 12:02

POINT#	X	Y
1:	-0.182	-0.818
2:	-0.731	-0.239
3:	-0.829	0.344
4:	-0.750	0.611
5:	0.573	0.281
6:	0.433	0.106
7:	0.179	-0.121
8:	-0.047	-0.217
9:	-0.045	-0.027
10:	-0.278	0.065

X CENTROID: -0.168

Y CENTROID: -0.002

POA TO CENTROID: 0.168

HORZ SPREAD: 1.402

VERT SPREAD: 1.429

GROUP SPREAD: 1.538

MIN RADIUS: 0.125

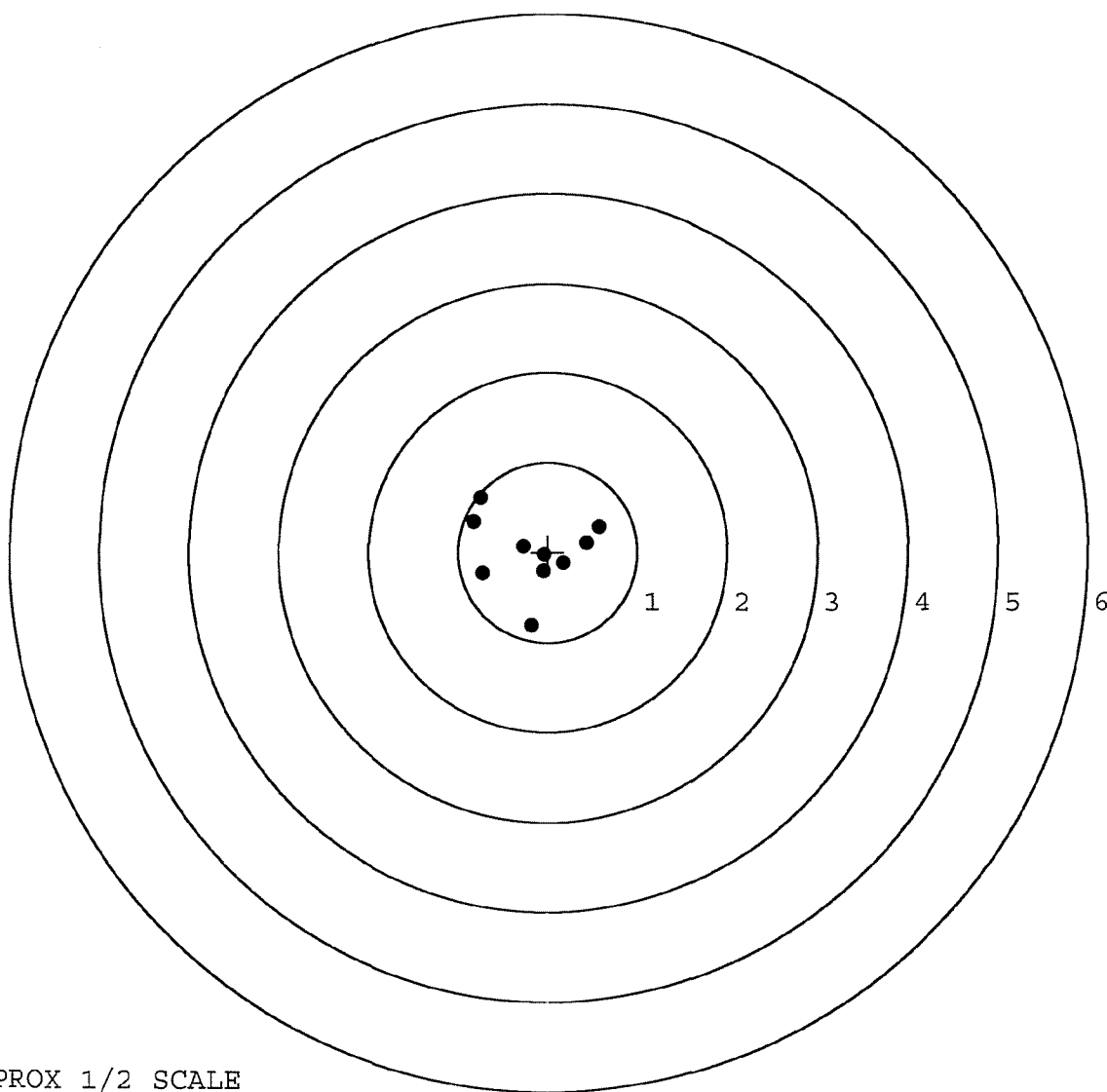
MAX RADIUS: 0.845

MEAN RADIUS: 0.529

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

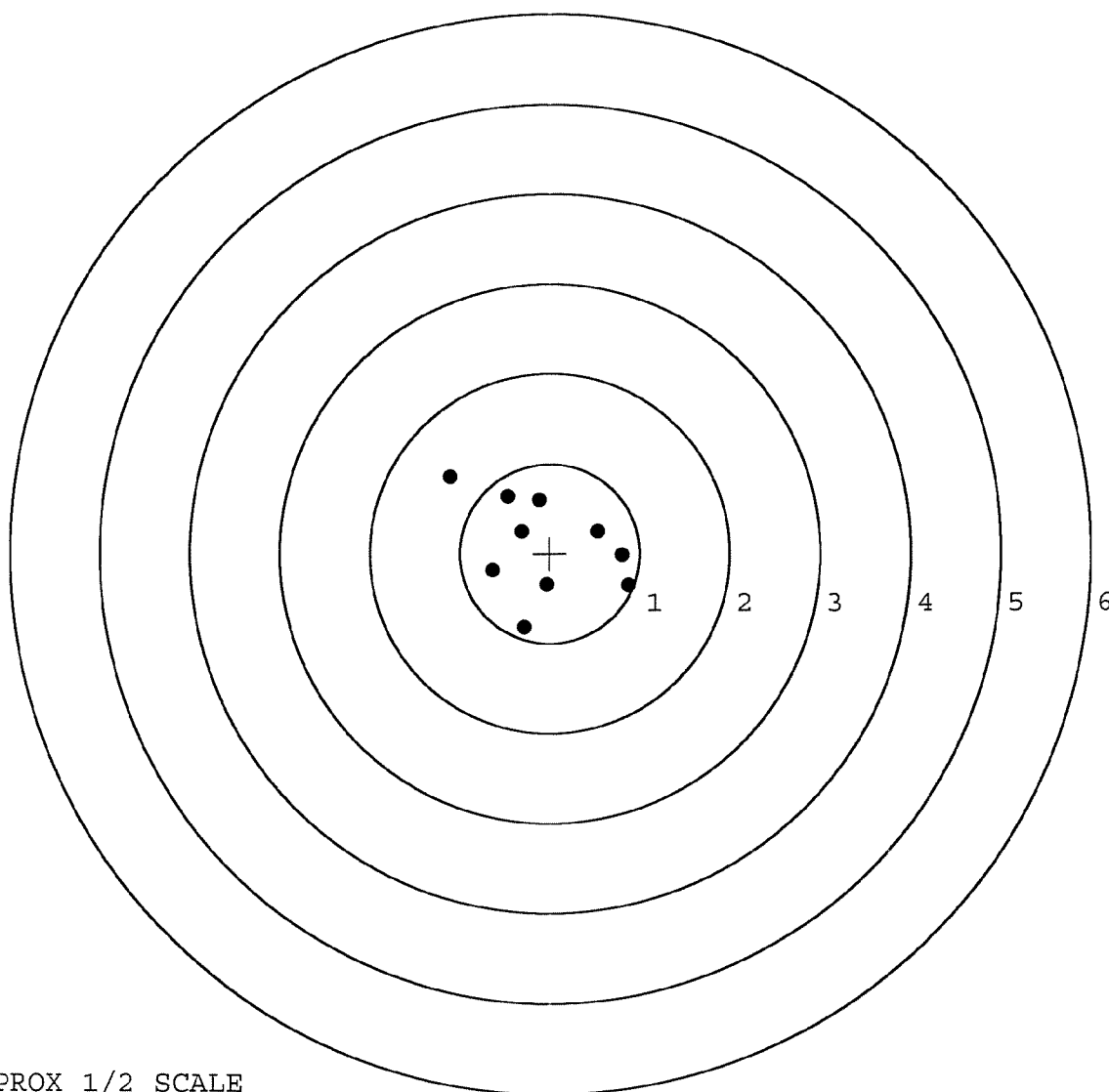
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0060893

SERIAL NUMBER: C6225442. __0	POINT#	X	Y
TARGET NUMBER: 4	1:	0.874	-0.363
FILE DATE: 08/07/2002	2:	0.805	-0.024
FILE TIME: 12:02	3:	0.536	0.243
	4:	-1.112	0.857
X CENTROID: -0.076	5:	-0.125	0.595
Y CENTROID: 0.081	6:	-0.469	0.640
POA TO CENTROID: 0.112	7:	-0.635	-0.195
HORZ SPREAD: 1.986	8:	-0.035	-0.354
VERT SPREAD: 1.688	9:	-0.287	-0.831
GROUP SPREAD: 2.331	10:	-0.316	0.246
MIN RADIUS: 0.291			
MAX RADIUS: 1.294			
MEAN RADIUS: 0.735			
# IN 1 IN DIAMETER: 2			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 10			

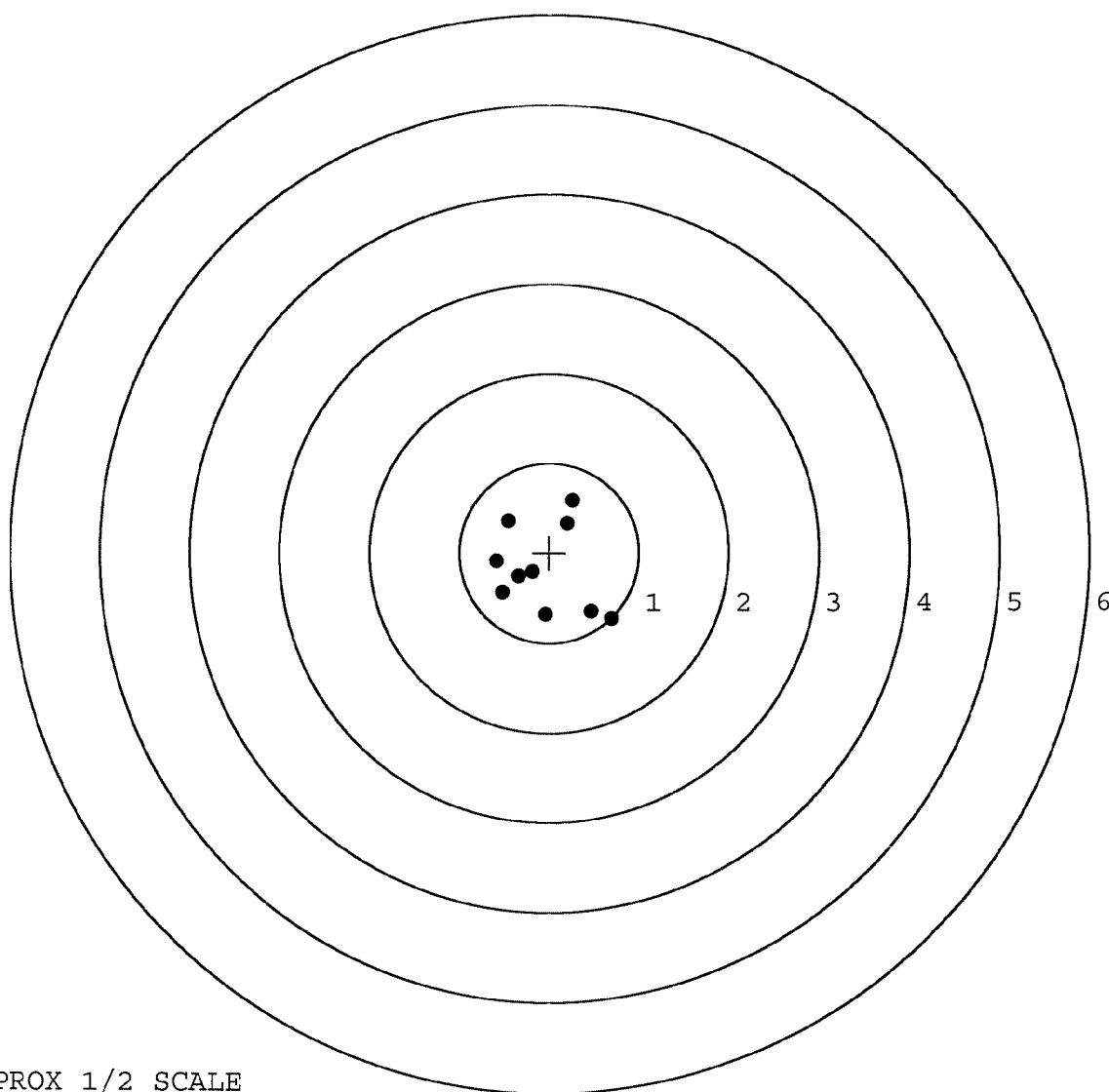


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225442. __0
 TARGET NUMBER: 5
 FILE DATE: 08/07/2002
 FILE TIME: 12:02

POINT#	X	Y
1:	0.696	-0.736
2:	0.468	-0.660
3:	-0.045	-0.691
4:	0.203	0.327
5:	-0.455	0.355
6:	-0.589	-0.096
7:	-0.190	-0.214
8:	-0.523	-0.446
9:	-0.343	-0.261
10:	0.264	0.582

X CENTROID: -0.051
 Y CENTROID: -0.184
 POA TO CENTROID: 0.191
 HORZ SPREAD: 1.285
 VERT SPREAD: 1.318
 GROUP SPREAD: 1.586
 MIN RADIUS: 0.142
 MAX RADIUS: 0.929
 MEAN RADIUS: 0.574
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Final Inspection

Sn: C6225442

DATE REC'D: 7/11/02

DATE RET'D: 8/6/02

Auditor: 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:

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

R & E NUMBER	49178		
SERIAL NUMBER	CG225442		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/15/02	RL
560 A	RE-BARREL	7/15/02	RA
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	MAGNA-FLUX INSPECTED 7/23/02	TD
618	ROTO-BLAST	JUL 23 2002 7/25/02	KO
620	APPLY COATINGS	7-26-02	TA
625 A	FINAL ASSEMBLY	OPERATOR RL 8/1/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-6-02	RL
655	FINAL INSPECT	8/16/02	RL
660	PACK	8/6/02	RA
		SHIP DATE	
QAR INSPECTION DATE			

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

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

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

MODEL 700™ H24

SERIAL NO. C6225442

ORDER NO. 5716

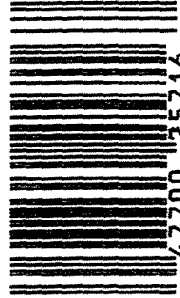
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6225442

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225442

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	YB
618	Polish Barrel <i>RIB</i>	4 7	89	BT
620	Apply Coatings (Barrel Action)		4-19-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/89	RW
	C) Inspect Ejector Hole for Chamfer		4/24/89	RW
	D) Oil Firing Pin Ass'y		4/24/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/26/89	GS

op. #	BARBER - M24 0060899 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/26/89	JL
	G) Safety Off Force	3	3	3			4/26/89	JL
	H) Trigger Pull Test & Retainability						4/26/89	S.S.
	I) Firing Pin Indent	.020	.020	.020			4/26/89	JL
	J) Assemble Stock						4/27/89	RL
	K) Assemble Swivel Studs						16 May 89	SS
	L) Attach Front and Rear Sight Assemblies						4/27/89	RL
	M) Iron Sight Alignment						4/27/89	RL
	N) Detach Front & Rear Sights & place in numbered container						4/27/89	RL
	O) Attach Scope to Rifle						4/27/89	JL
	P) Detach & Attach Scope 20 Times						4/27/89	JL
640	Gallery Target & Test	53 R	98L				4/27/89	DH
	A) Time						4/27/89	DH
	B) Malfunctions						4/27/89	DH
	C) Pierced Primers						4/27/89	DH
	D) Optical Clarity of Scope						4/27/89	DH
645	Inspect for Live Ammo						4/27/89	DH
655	Final Inspection A) Headspace						16 May 89	SS
	B) Trigger Pull	2.55	2.64	2.79	2.80	2.81	16 May 89	SS
	C) Function						16 May 89	SS
660	Pack						22 June 89	SS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225442

DATE 25 April 89

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.48	2.50	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.48	2.20	2.64	
PULL #3	2.37	2.34	2.34	2.79	
PULL #4	2.37	2.35	2.36	2.80	
PULL #5	2.45	2.33	2.34	2.81	
TOTAL	11.95	11.98	11.74	13.59	
AVG.	2.39	2.396	2.348	2.718	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.03	3.16		
PULL #2	3.27	3.21		
PULL #3	3.21	3.25		
PULL #4	3.21	3.23		
PULL #5	3.31	3.24		
TOTAL	16.03	16.09		
AVG.	3.206	3.218		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.08		4.12
PULL #2	4.22	4.14		4.09
PULL #3	4.16	4.01		4.01
PULL #4	4.23	4.08		4.15
PULL #5	4.21	4.11		4.04
TOTAL	20.93	20.42		20.41
AVG.	4.186	4.084		4.082

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225442
28 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.828686
1 TO	2	.278352
1 TO	3	.523209
1 TO	4	.610954
1 TO	5	.468615

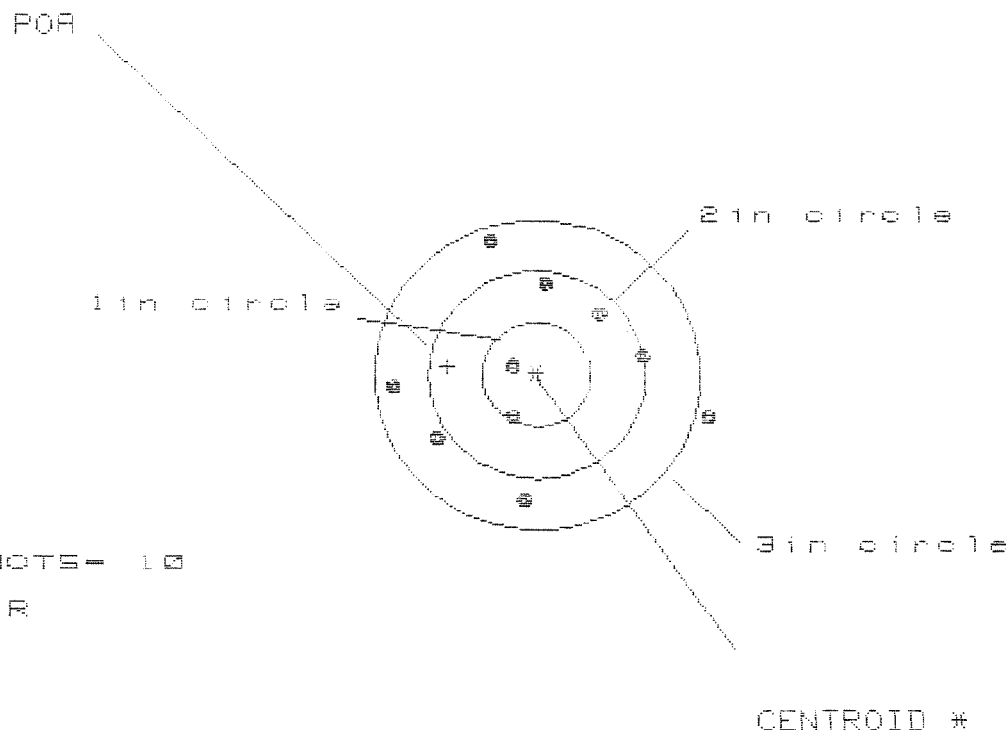
$$\frac{0}{1} + \frac{2}{4} + \frac{3}{5} \leftarrow \text{POR}$$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5952
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0946
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .682671
 THE AMR FOR THIS RIFLE IS: .9904

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225442

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.860

VS= 2.466

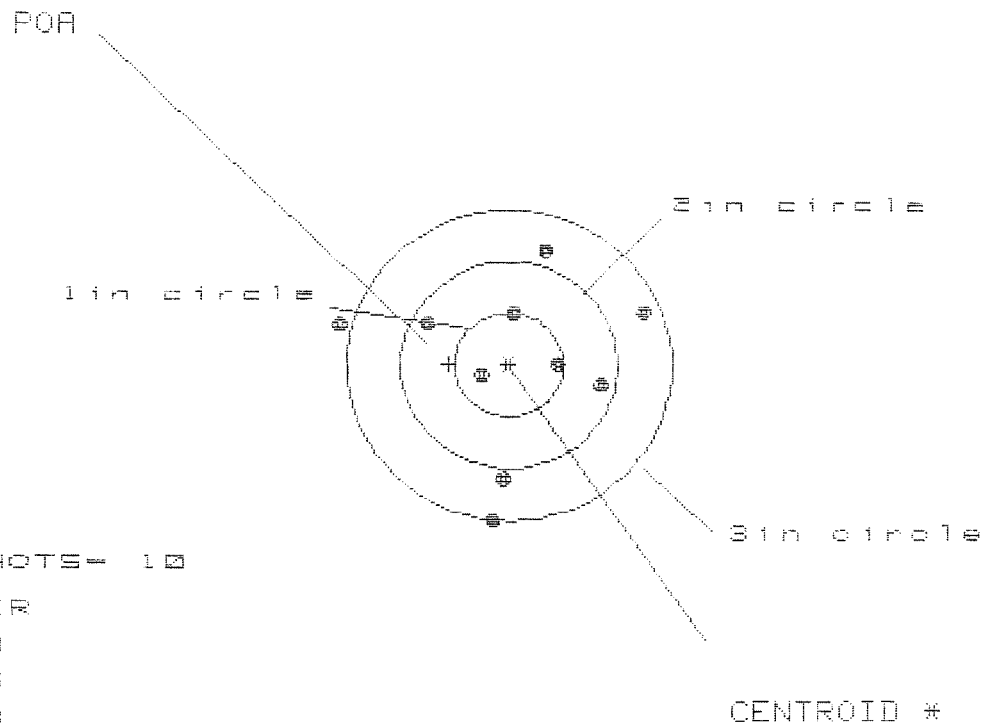
GS= 2.874

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.542	1.157	1.014
MINIMUM X	-1.318	-1.146	-.910
MAXIMUM Y	1.252	1.207	1.186
MINIMUM Y	-1.214	-1.259	-1.280
CENTROID X	.824	.652	.795
CENTROID Y	-.088	-.043	-.022
POR TO CENTROID in.	.828	.654	.796
MIN RADIUS	.194	.017	.162
MEAN RADIUS	.997	.903	.877
MAX RADIUS	1.595	1.262	1.281
HORIZONTAL SPREAD	2.860	2.303	1.924
VERTICAL SPREAD	2.466	2.466	2.466
EXTREME SPREAD	2.874	2.489	2.489
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225442

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 2.809

VS= 2.588

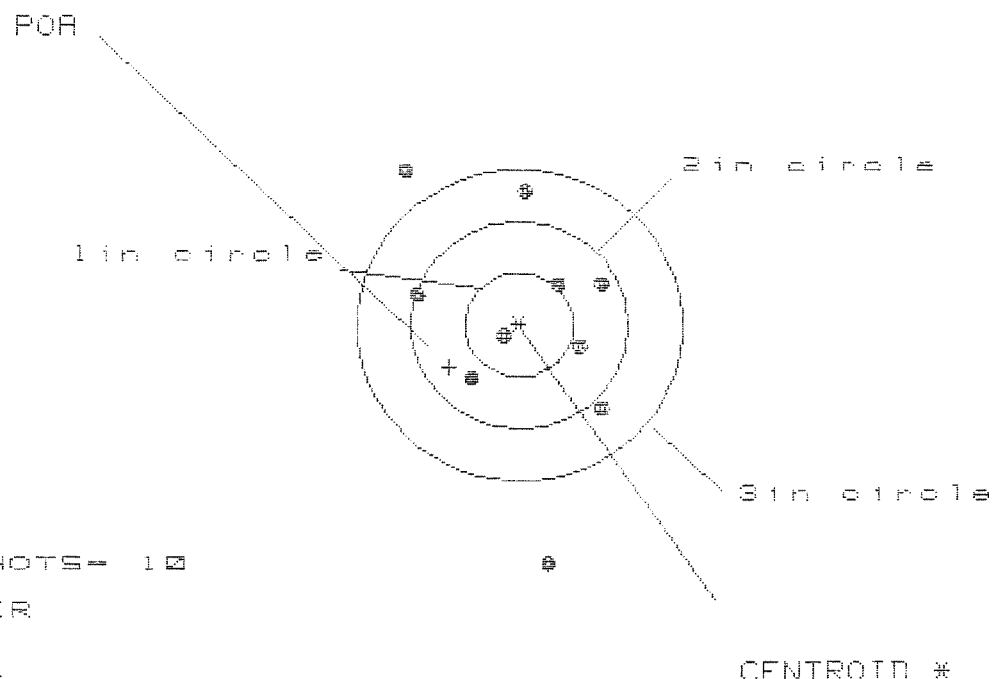
GS= 2.810

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.208	1.030	.983
MINIMUM X	:	-1.601	-.908	-.955
MAXIMUM Y	:	1.093	1.135	.954
MINIMUM Y	:	-1.495	-1.453	-1.212
CENTROID X	:	.558	.736	.783
CENTROID Y	:	-.006	-.048	.133
POA TO CENTROID in.	:	.558	.737	.784
MIN RADIUS	:	.291	.290	.281
MEAN RADIUS	:	.959	.869	.766
MAX RADIUS	:	1.646	1.502	1.251
HORIZONTAL SPREAD	:	2.809	1.938	1.938
VERTICAL SPREAD	:	2.588	2.588	2.166
EXTREME SPREAD	:	2.810	2.651	2.213
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225442

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS = 1.762

VS = 3.761

GS = 3.965

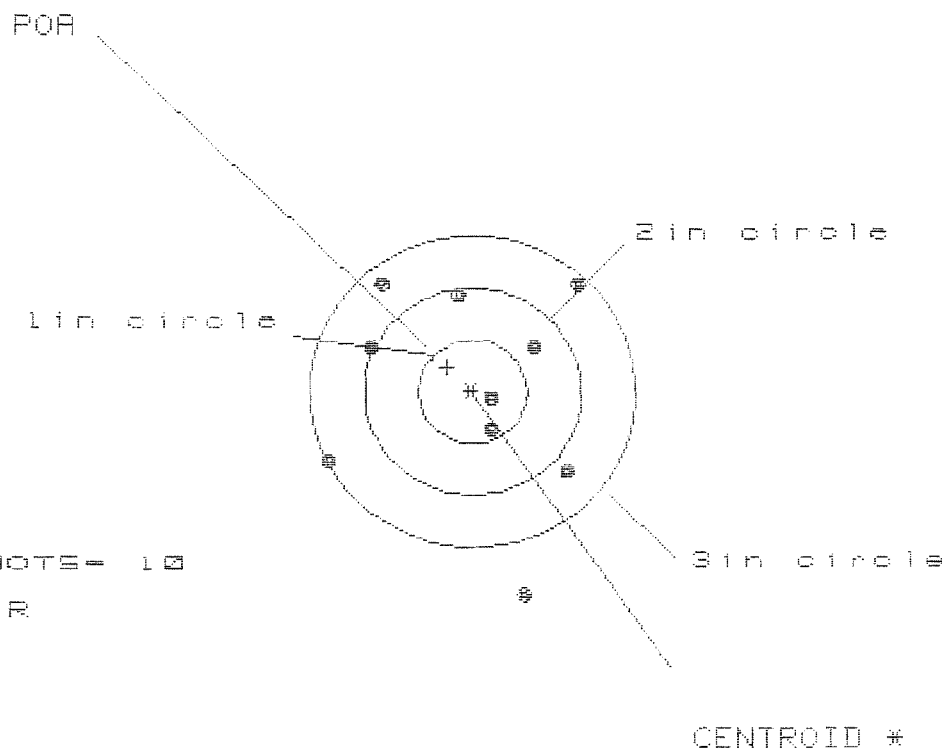
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.735	.760	.635
MINIMUM X	-1.027	-1.002	-1.030
MAXIMUM Y	1.498	1.236	1.236
MINIMUM Y	-2.273	-1.014	-1.860
CENTROID X	.646	.621	.746
CENTROID Y	.404	.656	.502
POR TO CENTROID in.	.762	.903	.899
MIN RADIUS	.189	.361	.324
MEAN RADIUS	1.029	.893	.770
MAX RADIUS	2.284	1.591	1.239
HORIZONTAL SPREAD	1.762	1.762	1.665
VERTICAL SPREAD	3.761	2.250	2.096
EXTREME SPREAD	3.965	2.849	2.210
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225442

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 9

HS = 2.309

VS = 3.027

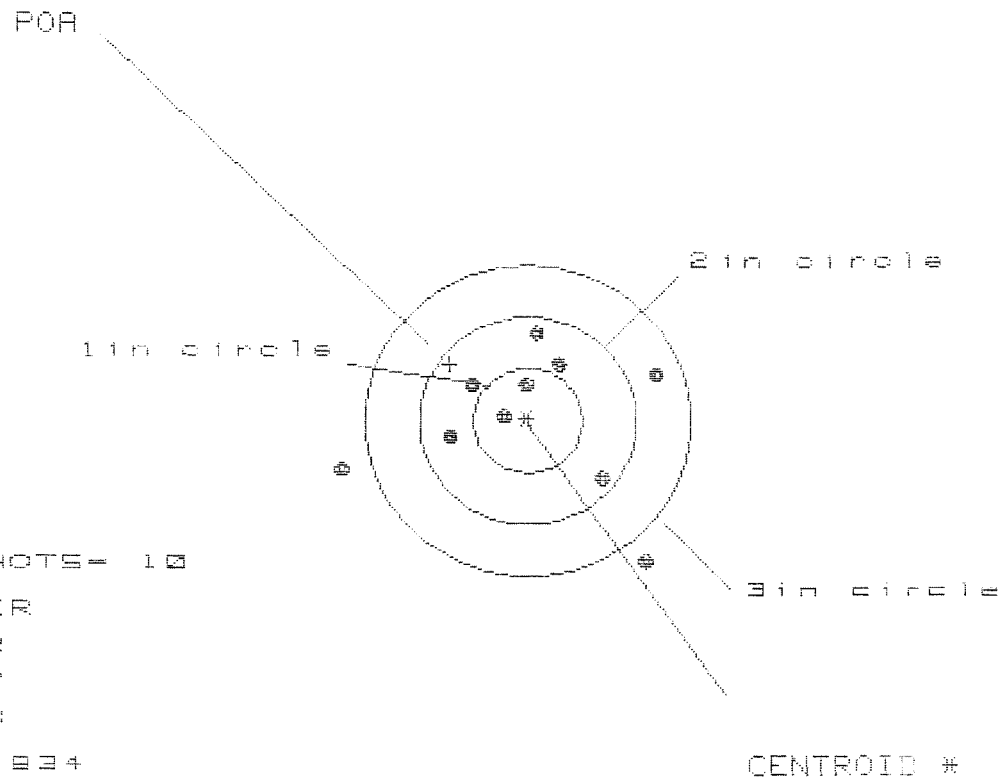
GS = 3.290

PATTERN #	:	4
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.994
MINIMUM X	:	-1.315
MAXIMUM Y	:	1.028
MINIMUM Y	:	-1.999
CENTROID X	:	.232
CENTROID Y	:	-.239
POA TO CENTROID in.	:	.333
MIN RADIUS	:	.150
MEAN RADIUS	:	1.059
MAX RADIUS	:	2.056
HORIZONTAL SPREAD	:	2.309
VERTICAL SPREAD	:	3.027
EXTREME SPREAD	:	3.290
NUMBER IN ONE INCH CIRCLE =	:	2
NUMBER IN TWO INCH CIRCLE =	:	4
NUMBER IN THREE INCH CIRCLE =	:	9

27 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225442

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HE = 2.824

VS = 2.260

GS = 2.977

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.159	1.282	1.087
MINIMUM X	-1.674	-1.552	-.814
MAXIMUM Y	.862	.707	.628
MINIMUM Y	-1.398	-.686	-.765
CENTROID X	.716	.594	.788
CENTROID Y	-.544	-.389	-.318
POA TO CENTROID in.	.900	.710	.847
MIN RADIUS	.266	.193	.104
MEAN RADIUS	.908	.763	.637
MAX RADIUS	1.778	1.676	1.196
HORIZONTAL SPREAD	2.834	2.834	1.902
VERTICAL SPREAD	2.260	1.393	1.393
EXTREME SPREAD	2.977	2.977	1.977
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		