

C6498847

MODEL 700™ M24

Model **S&S**™

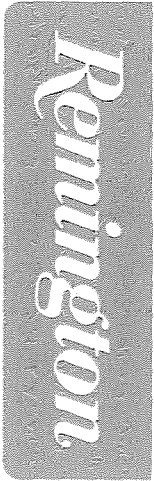
Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



08/22/07 07:52:14

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: RE00133009

Serial: C6498847 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1990

Repairman:

Verify Repair

High Priority

Status:

Closed 8/21/2007 11:40:11 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: C TRP 2/101 CAV

C TRP 2/101 CAV

Address 1: 27 MASTEN AVE

27 MASTEN AVE

Address 2: PO Box:

PO Box:

City: BUFFALO

BUFFALO

State: NY

Zip Code: 14204

Country: US

State: NY

Zip Code: 14204

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1
D000	SCOPE CASE	1

Repair Search

Refresh

Close

naglej

8/22/2007

7:52 AM

CAPS

NUM

INS

SCRL

start

Inbox - Micr...

Calendar - M...

FW: Restrict...

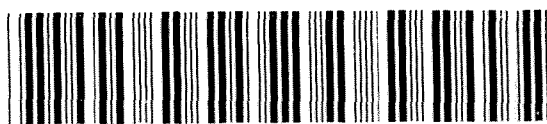
Arms Service...

7:52 AM

Deployment KIT

Serial Number: C6498847

Model: M24 SWS



RE00133009

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 066884208881

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498847.___0
FILE DATE AND TIME: 09/07/2007 11:13

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

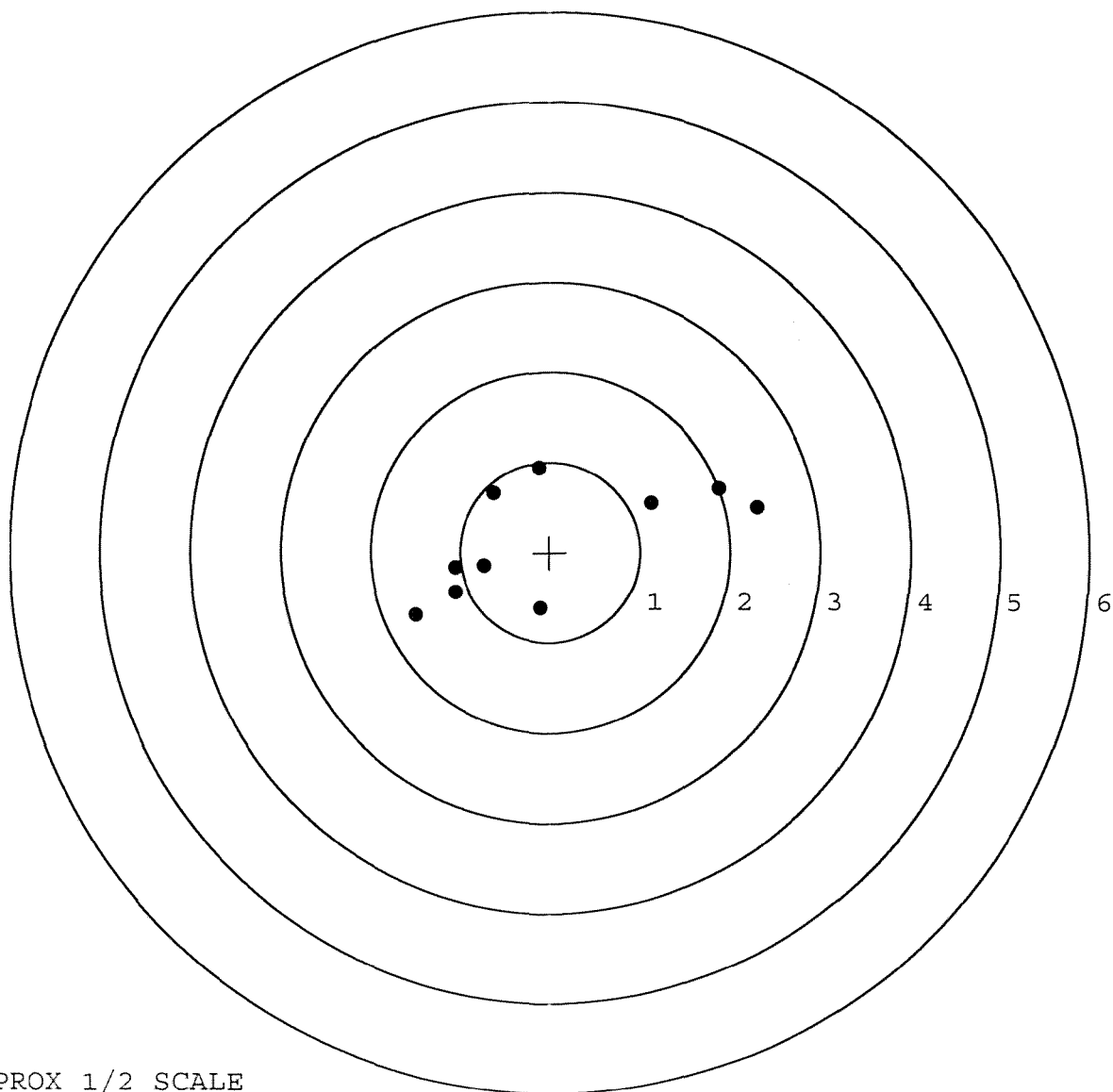
The Average X Centroid of the Five Target Set:	-0.131
The Average Y Centroid of the Five Target Set:	-0.060
The Average Point of Impact of the Five Target Set:	0.144
The Average Mean Radius of the Five Target Set:	0.796
The Distance from POA to Centroid Target #1:	0.123
The Distance from Centroid Target #2 to Centroid Target #1:	0.415
The Distance from Centroid Target #3 to Centroid Target #1:	0.140
The Distance from Centroid Target #4 to Centroid Target #1:	0.087
The Distance from Centroid Target #5 to Centroid Target #1:	0.942

BARBER - M24 0008844

SERIAL NUMBER: C6498847. __0
TARGET NUMBER: 1
FILE DATE: 09/07/2007
FILE TIME: 11:13

POINT#	X	Y
1:	-0.117	0.935
2:	1.122	0.540
3:	1.875	0.701
4:	2.296	0.497
5:	-0.625	0.656
6:	-1.056	-0.178
7:	-1.059	-0.447
8:	-1.499	-0.702
9:	-0.106	-0.622
10:	-0.731	-0.156

X CENTROID: 0.010
Y CENTROID: 0.122
POA TO CENTROID: 0.123
HORZ SPREAD: 3.795
VERT SPREAD: 1.637
GROUP SPREAD: 3.980
MIN RADIUS: 0.753
MAX RADIUS: 2.316
MEAN RADIUS: 1.269
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 7



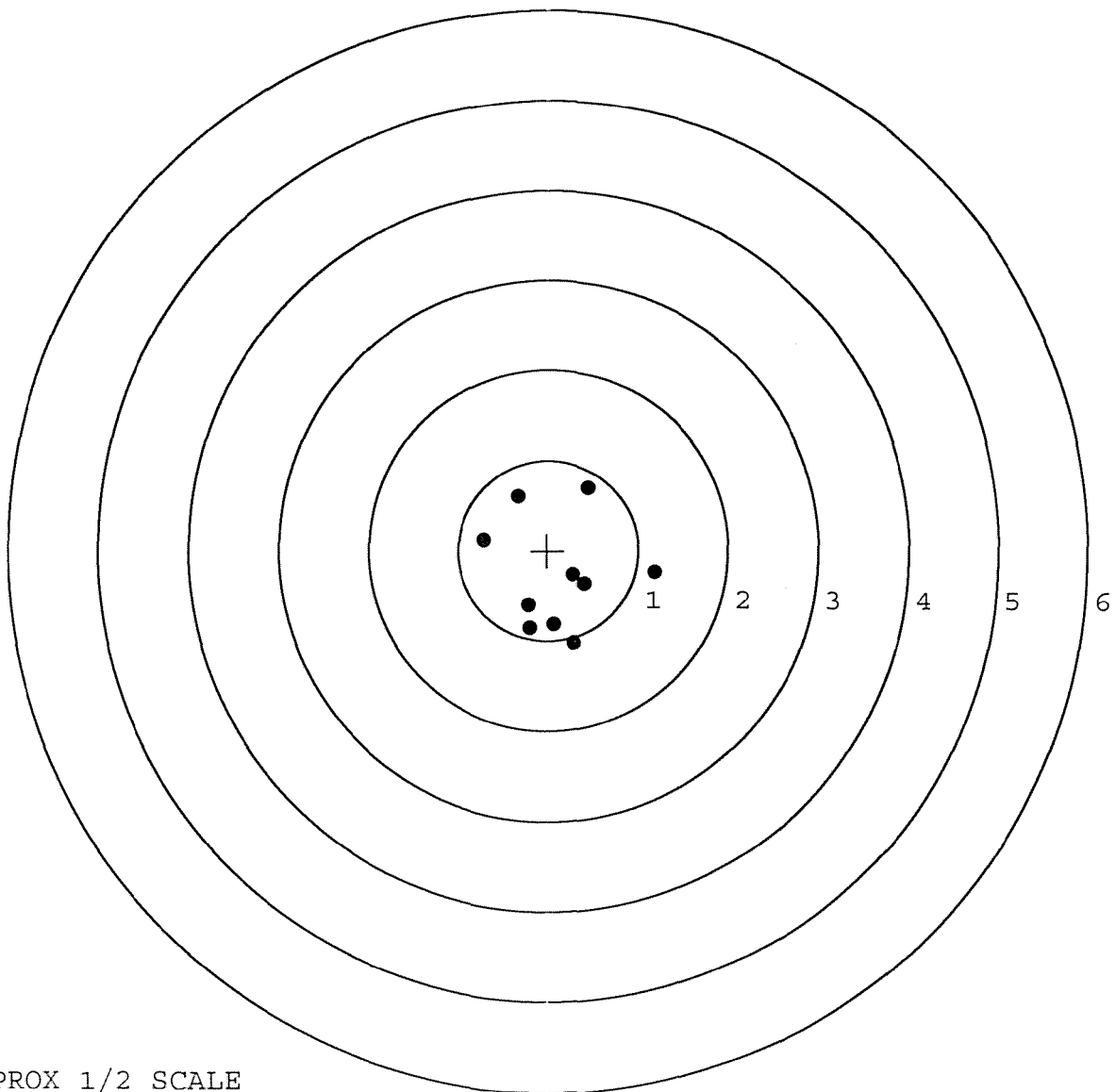
TARGET APPROX 1/2 SCALE

BARBER - M24 0008845

SERIAL NUMBER: C6498847. __0
TARGET NUMBER: 2
FILE DATE: 09/07/2007
FILE TIME: 11:13

POINT#	X	Y
1:	0.448	0.698
2:	-0.328	0.606
3:	-0.714	0.123
4:	0.285	-0.263
5:	0.409	-0.367
6:	1.184	-0.245
7:	0.291	-1.029
8:	0.073	-0.823
9:	-0.203	-0.861
10:	-0.217	-0.607

X CENTROID: 0.123
Y CENTROID: -0.277
POA TO CENTROID: 0.303
HORZ SPREAD: 1.898
VERT SPREAD: 1.727
GROUP SPREAD: 1.933
MIN RADIUS: 0.163
MAX RADIUS: 1.062
MEAN RADIUS: 0.693
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



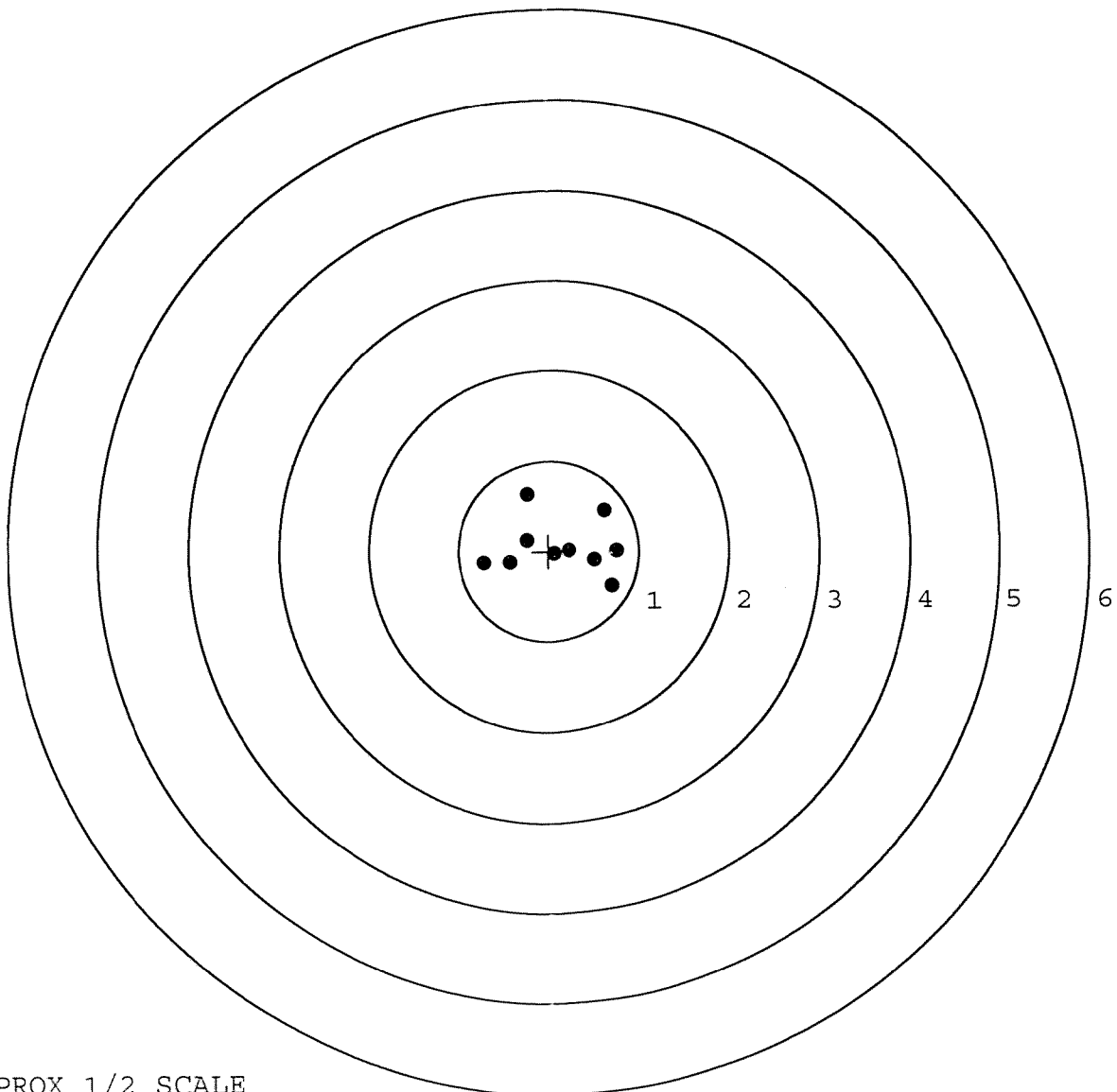
TARGET APPROX 1/2 SCALE

BARBER - M24 0008846

SERIAL NUMBER: C6498847. __0
TARGET NUMBER: 3
FILE DATE: 09/07/2007
FILE TIME: 11:13

POINT#	X	Y
1:	-0.235	0.633
2:	0.620	0.444
3:	0.758	-0.001
4:	0.508	-0.105
5:	0.702	-0.388
6:	0.227	0.010
7:	0.061	-0.030
8:	-0.243	0.124
9:	-0.427	-0.123
10:	-0.719	-0.127

X CENTROID: 0.125
Y CENTROID: 0.044
POA TO CENTROID: 0.133
HORZ SPREAD: 1.477
VERT SPREAD: 1.021
GROUP SPREAD: 1.482
MIN RADIUS: 0.098
MAX RADIUS: 0.861
MEAN RADIUS: 0.511
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

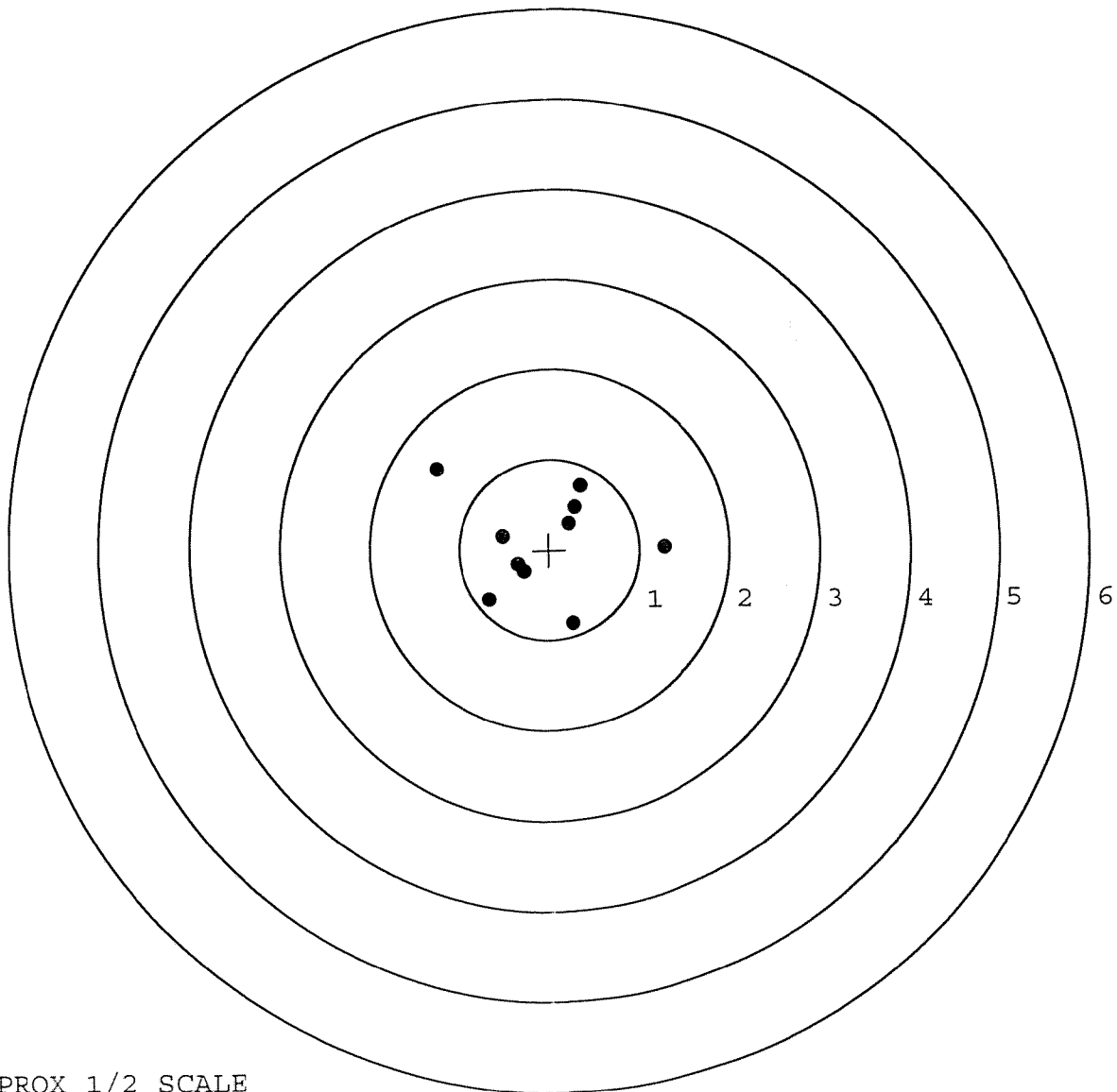
BARBER - M24 0008847

SERIAL NUMBER: C6498847. __0
TARGET NUMBER: 4
FILE DATE: 09/07/2007
FILE TIME: 11:13

X CENTROID: -0.065
Y CENTROID: 0.078
POA TO CENTROID: 0.101
HORZ SPREAD: 2.521
VERT SPREAD: 1.720
GROUP SPREAD: 2.668
MIN RADIUS: 0.359
MAX RADIUS: 1.436
MEAN RADIUS: 0.747

POINT#	X	Y
1:	0.358	0.704
2:	-1.243	0.899
3:	-0.518	0.154
4:	-0.351	-0.155
5:	-0.282	-0.239
6:	0.224	0.291
7:	0.287	0.471
8:	1.278	0.027
9:	0.266	-0.821
10:	-0.669	-0.553

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



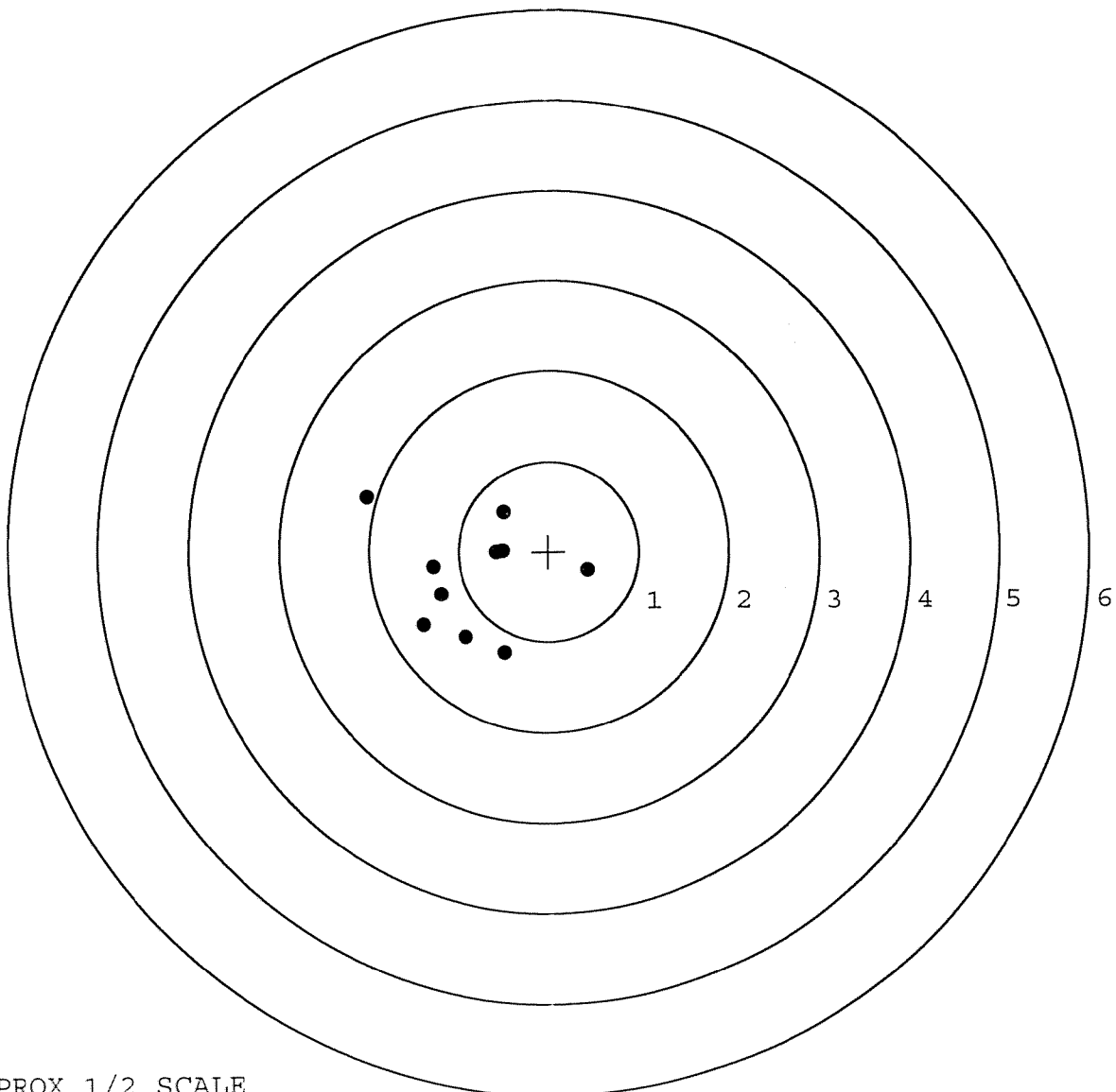
TARGET APPROX 1/2 SCALE

BARBER - M24 0008848

SERIAL NUMBER: C6498847. __0
TARGET NUMBER: 5
FILE DATE: 09/07/2007
FILE TIME: 11:13

POINT#	X	Y
1:	-2.022	0.607
2:	-1.282	-0.171
3:	-1.397	-0.816
4:	-1.198	-0.475
5:	-0.584	0.002
6:	-0.494	0.444
7:	-0.508	0.016
8:	0.438	-0.211
9:	-0.498	-1.126
10:	-0.927	-0.947

X CENTROID: -0.847
Y CENTROID: -0.268
POA TO CENTROID: 0.888
HORZ SPREAD: 2.460
VERT SPREAD: 1.733
GROUP SPREAD: 2.592
MIN RADIUS: 0.377
MAX RADIUS: 1.465
MEAN RADIUS: 0.760
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER

133009

SERIAL NUMBER

C6498847

LOG-IN DATE

~~133009~~

8-21-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-22-07	RTZ
505	RE-BARREL	8-23-07	RTZ
560	ASSEMBLE	8-23-07	RTZ
600	PROOF	8/23/07	mm
605	CHECK HEADSPACE	8/23/07	mm
610	DIS-ASSEMBLE GUN	8-25-07	RTZ
612	MAGNAFLUX	8-30-07	JB
510	DRILL AND TAP	8-27-07	TRW
615	ROLLMARK CALIBER	8-28-07	CW
618	ROTO-BLAST	8-30-07	WJ
620	APPLY COATINGS	8/31/07	RTZ
625	FINAL ASSEMBLY		
640	FUNCTION TEST AND	(PASS) FAIL	9-7-07 TRW
650	TARGET	(PASS) FAIL	9-7-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		9-7-07 DK
	A) HEADSPACE	(PASS) FAIL	9-11-07 RTZ
	B) TRIGGER PULL	2.63 2.57 2.58 2.57 2.54 9-10-07	DA
680	F) SAFETY ON FORCE	5.5 5.5 5.0	9-10-07 FM
	G) SAFETY OFF FORCE	3.0 3.0 3.0	9-10-07 FM
	I) FIRING PIN INDENT	.023 .024 .023	9-10-07 FM
690	PACK		9-11-07 RTZ

Arms Services Repair & Estimate System
BARBER - M24 0008830

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

Repair Inquiry

Repair Number: **RE00070652** Serial: C6498847 Model 700 Center Fire Caliber: 7 Repairman: _____
 Verify Repair: **High Priority** 62 NATO M/24 SWS Produced: 06/19/1990 Status: **New 9/26/2003 2:17:58 PM**

Address Information

Customer: _____ Received From: _____ Return To: _____ Received From: _____
 Name: **HHC 2 108 IN** _____
 Address 1: **1700 PKWY ARMORY** _____
 Address 2: _____ PO Box: _____
 City: **UTICA** _____
 State: **NY** Zip Code: **13501** Country: **US** State: **NY** Zip Code: **13501** Country: **US**

Contact / Condition

ScreenPrint32 v3.1 - Currently Unregistered
 Printing Image to '<Default Printer>'. Please Wait...

Shipping / Billing

Contact Information

Phone: **315 724 1386 15**
 Fax: _____
 Email: _____
 Comments: **OREXT 31OR 31**

Condition

Good

Condition Notes: _____
 CSR Notes: _____

Is Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
C000	FRT&REAR BASES	1

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

naglatj 9/29/2003 7:39 AM CAPS NUM INS SCPL

start Inbox - Microsof... Calendar - Micro... Microsoft Excel - ... Arms Services R... 7:39 AM

Serial Number: **C6498847**
 Model: **700**

RE00070652

R & E NUMBER	70652		
SERIAL NUMBER	C6498847		
LOG-IN DATE	9-26-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-1-03	RTL
560 A	RE-BARREL	10-7-03	RTL
B	DRILL AND TAP	10-9-03	TRW
575	ASSEMBLE MAGNA-FLUX	10-7-03	RTL
600	PROOF INSPECTED		
605	CHECK HEADSPACE 05 2003	10-8-03	RTL
610	DIS-ASSEMBLE GUN	10-8-03	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10-11-03	13
618	ROTO-BLAST	10/13/2003	DMF
620	APPLY COATINGS	10-14	TA
625 A	FINAL ASSEMBLY	10-22-03	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-24-03	TRW
655	FINAL INSPECT	10-25-03	RW
660	PACK	10-26-03	DTA
		SHIP DATE	
QAR INSPECTION DATE			

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498847.___0

FILE DATE AND TIME: 10/24/2003 06:47

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

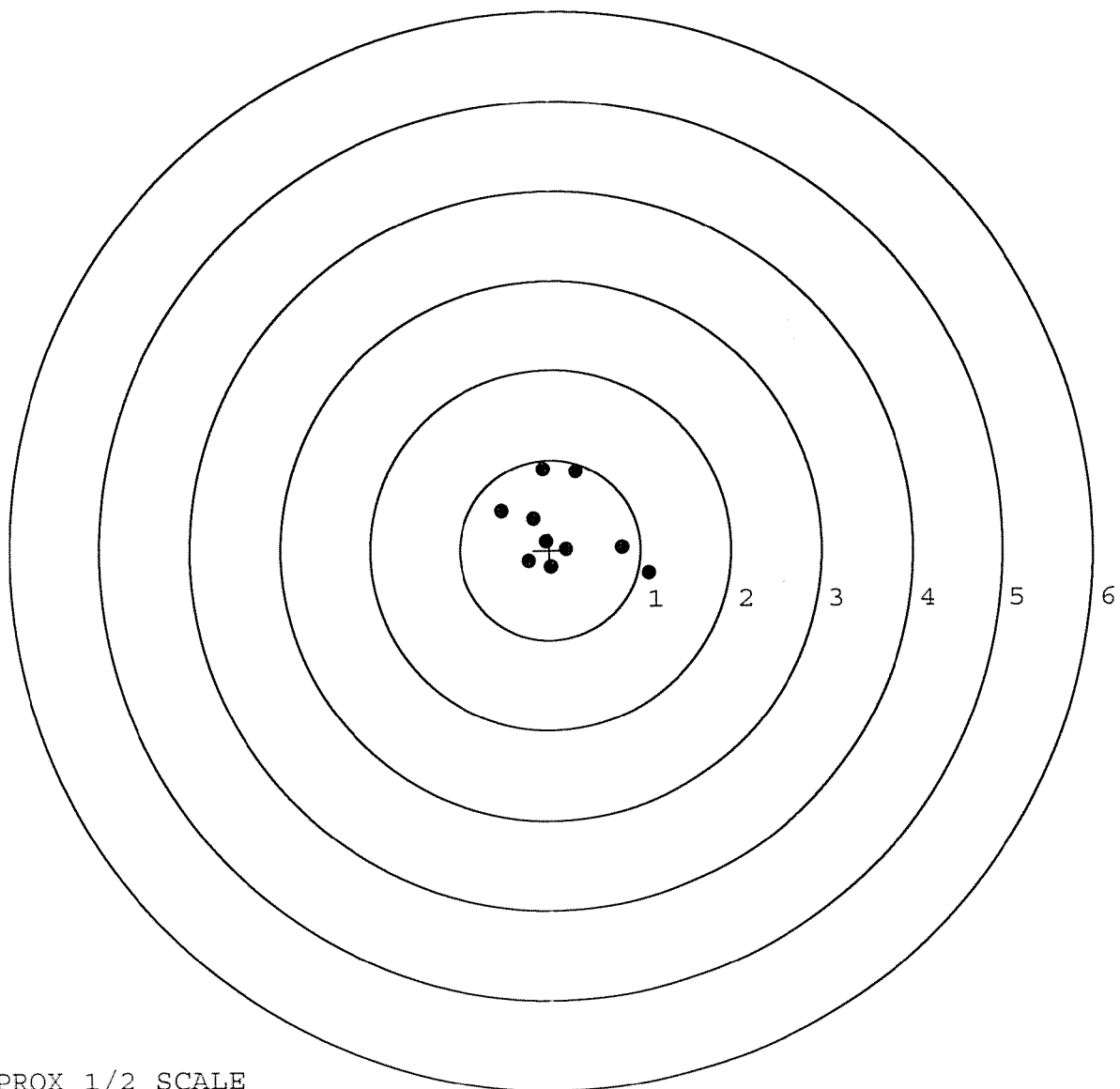
The Average X Centroid of the Five Target Set:	0.025
The Average Y Centroid of the Five Target Set:	0.046
The Average Point of Impact of the Five Target Set:	0.053
The Average Mean Radius of the Five Target Set:	0.638
The Distance from POA to Centroid Target #1:	0.247
The Distance from Centroid Target #2 to Centroid Target #1:	0.213
The Distance from Centroid Target #3 to Centroid Target #1:	0.368
The Distance from Centroid Target #4 to Centroid Target #1:	0.196
The Distance from Centroid Target #5 to Centroid Target #1:	0.239

BARBER - M24 0008853

SERIAL NUMBER: C6498847. __0
TARGET NUMBER: 1
FILE DATE: 10/24/2003
FILE TIME: 06:47

X CENTROID: 0.129
Y CENTROID: 0.211
POA TO CENTROID: 0.247
HORZ SPREAD: 1.626
VERT SPREAD: 1.163
GROUP SPREAD: 1.773
MIN RADIUS: 0.208
MAX RADIUS: 1.072
MEAN RADIUS: 0.553
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.089	-0.266
2:	0.794	0.028
3:	0.287	0.870
4:	-0.078	0.897
5:	-0.537	0.440
6:	-0.184	0.347
7:	0.186	0.010
8:	0.019	-0.188
9:	-0.238	-0.126
10:	-0.046	0.099



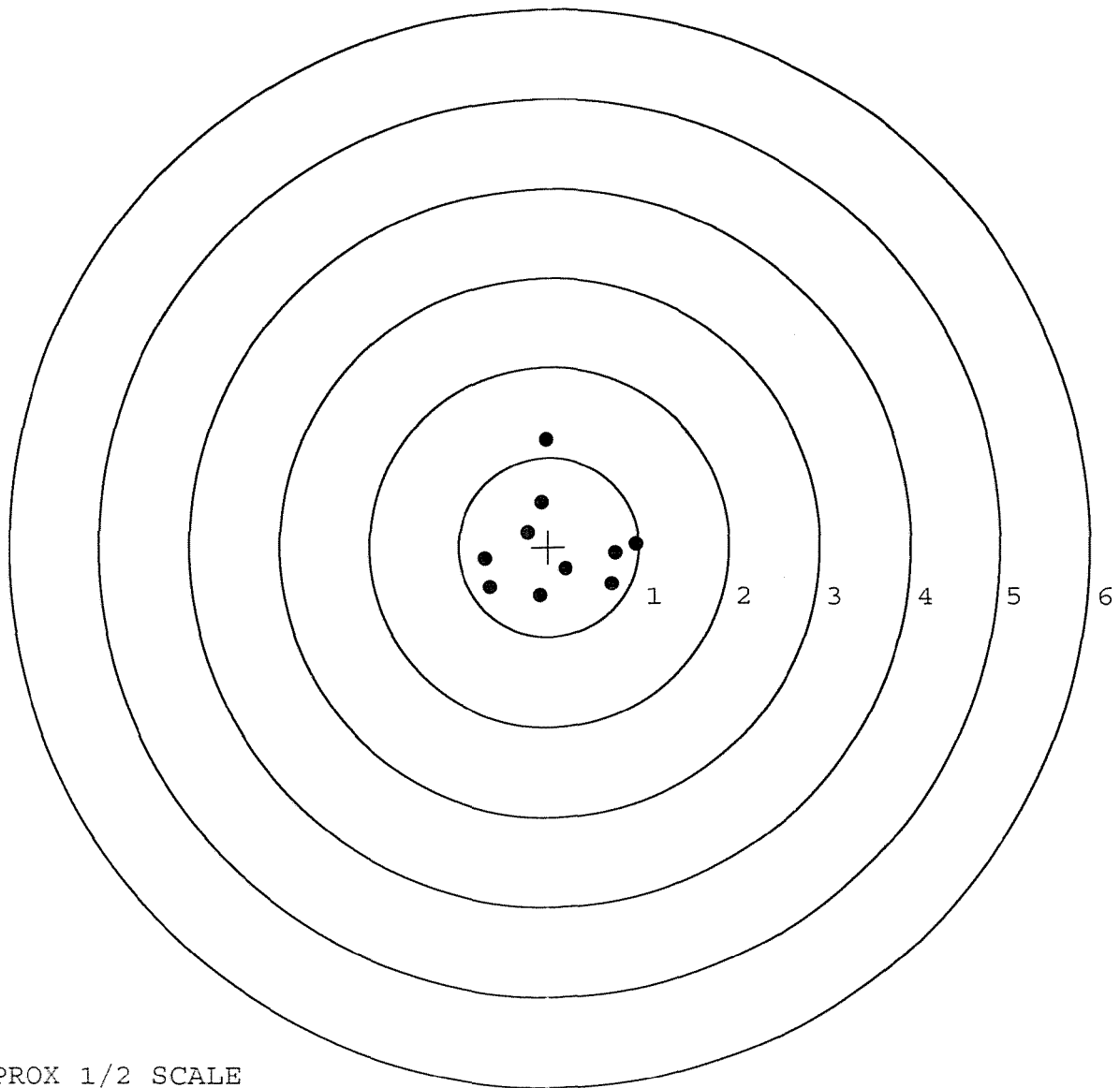
TARGET APPROX 1/2 SCALE

BARBER - M24 0008854

SERIAL NUMBER: C6498847. __0
TARGET NUMBER: 2
FILE DATE: 10/24/2003
FILE TIME: 06:47

POINT#	X	Y
1:	0.704	-0.414
2:	0.746	-0.067
3:	0.969	0.038
4:	0.199	-0.252
5:	-0.094	-0.553
6:	-0.653	-0.447
7:	-0.700	-0.127
8:	-0.238	0.162
9:	-0.085	0.498
10:	-0.027	1.195

X CENTROID: 0.082
Y CENTROID: 0.003
POA TO CENTROID: 0.082
HORZ SPREAD: 1.669
VERT SPREAD: 1.748
GROUP SPREAD: 1.767
MIN RADIUS: 0.281
MAX RADIUS: 1.197
MEAN RADIUS: 0.690
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



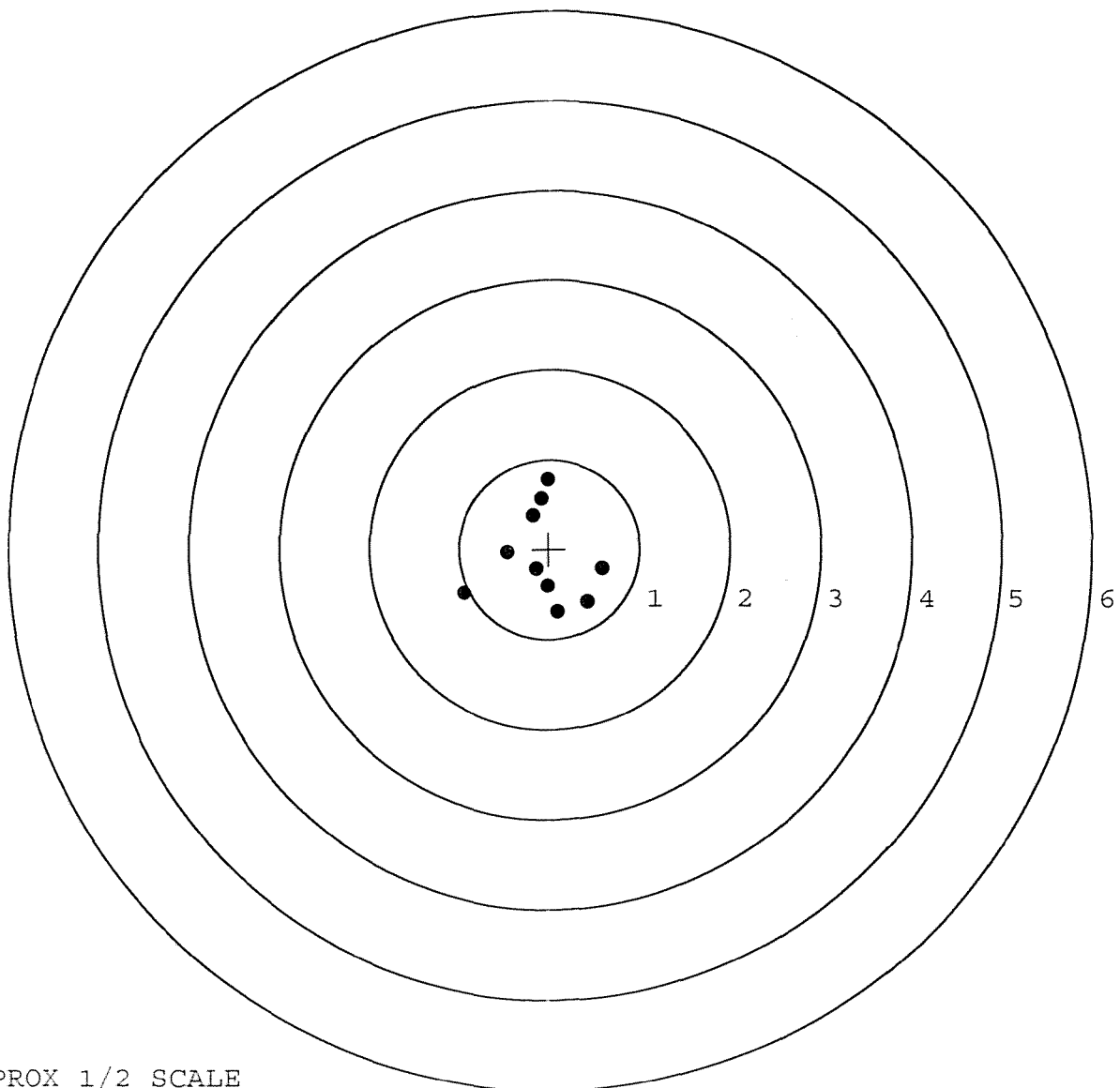
TARGET APPROX 1/2 SCALE

BARBER - M24 0008855

SERIAL NUMBER: C6498847. __0
 TARGET NUMBER: 3
 FILE DATE: 10/24/2003
 FILE TIME: 06:47

POINT#	X	Y
1:	0.588	-0.214
2:	0.428	-0.590
3:	0.100	-0.701
4:	-0.015	-0.419
5:	-0.143	-0.222
6:	-0.946	-0.500
7:	-0.464	-0.035
8:	-0.182	0.377
9:	-0.016	0.779
10:	-0.091	0.563

X CENTROID: -0.074
 Y CENTROID: -0.096
 POA TO CENTROID: 0.121
 HORZ SPREAD: 1.534
 VERT SPREAD: 1.480
 GROUP SPREAD: 1.581
 MIN RADIUS: 0.143
 MAX RADIUS: 0.961
 MEAN RADIUS: 0.586
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

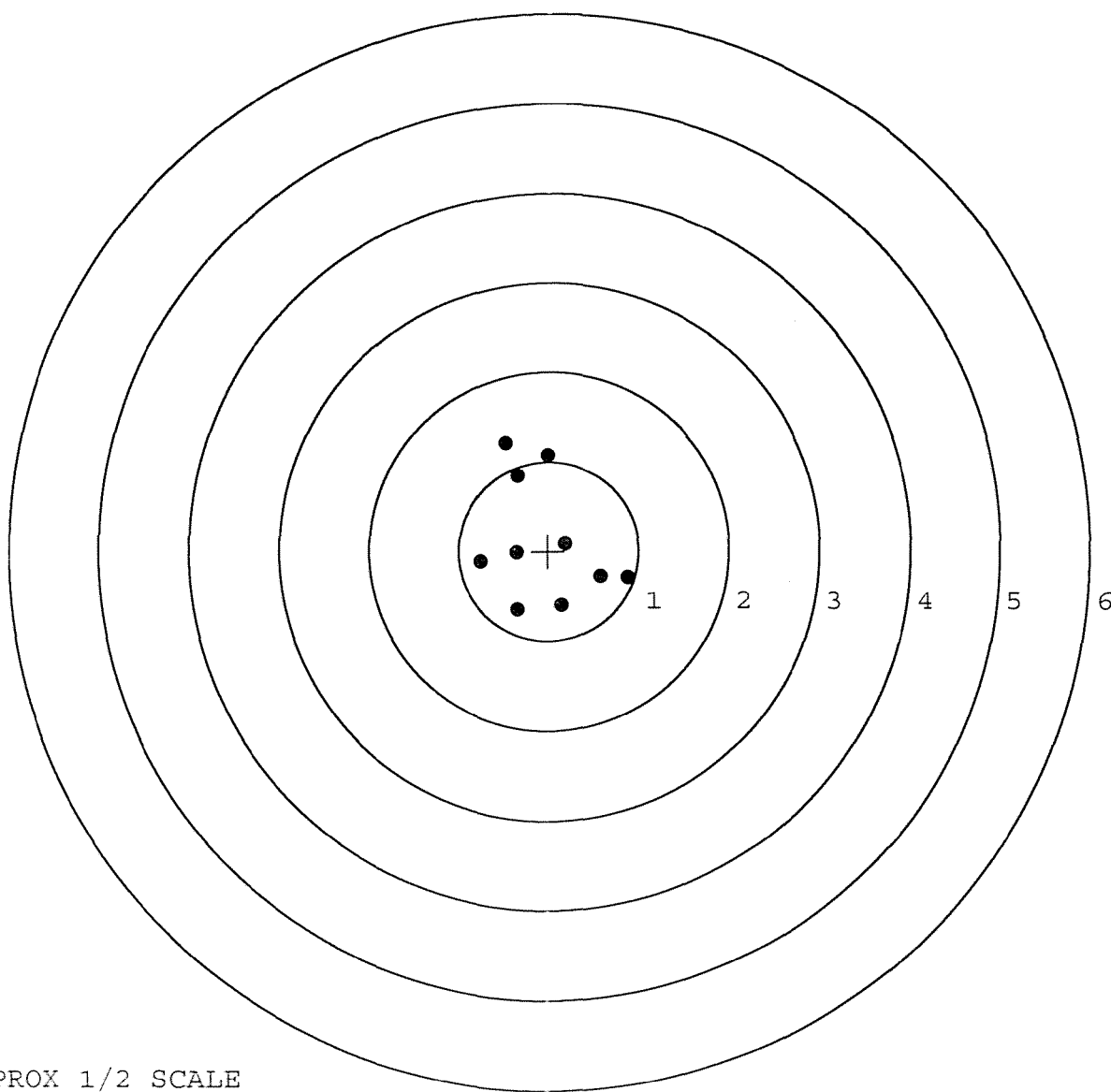
BARBER - M24 0008856

SERIAL NUMBER: C6498847. __0
TARGET NUMBER: 4
FILE DATE: 10/24/2003
FILE TIME: 06:47

X CENTROID: -0.046
Y CENTROID: 0.122
POA TO CENTROID: 0.131
HORZ SPREAD: 1.633
VERT SPREAD: 1.871
GROUP SPREAD: 2.034
MIN RADIUS: 0.240
MAX RADIUS: 1.173
MEAN RADIUS: 0.758

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.885	-0.297
2:	0.581	-0.284
3:	0.153	-0.610
4:	-0.343	-0.658
5:	0.191	0.085
6:	-0.350	-0.018
7:	-0.748	-0.120
8:	-0.342	0.842
9:	-0.477	1.213
10:	-0.007	1.070



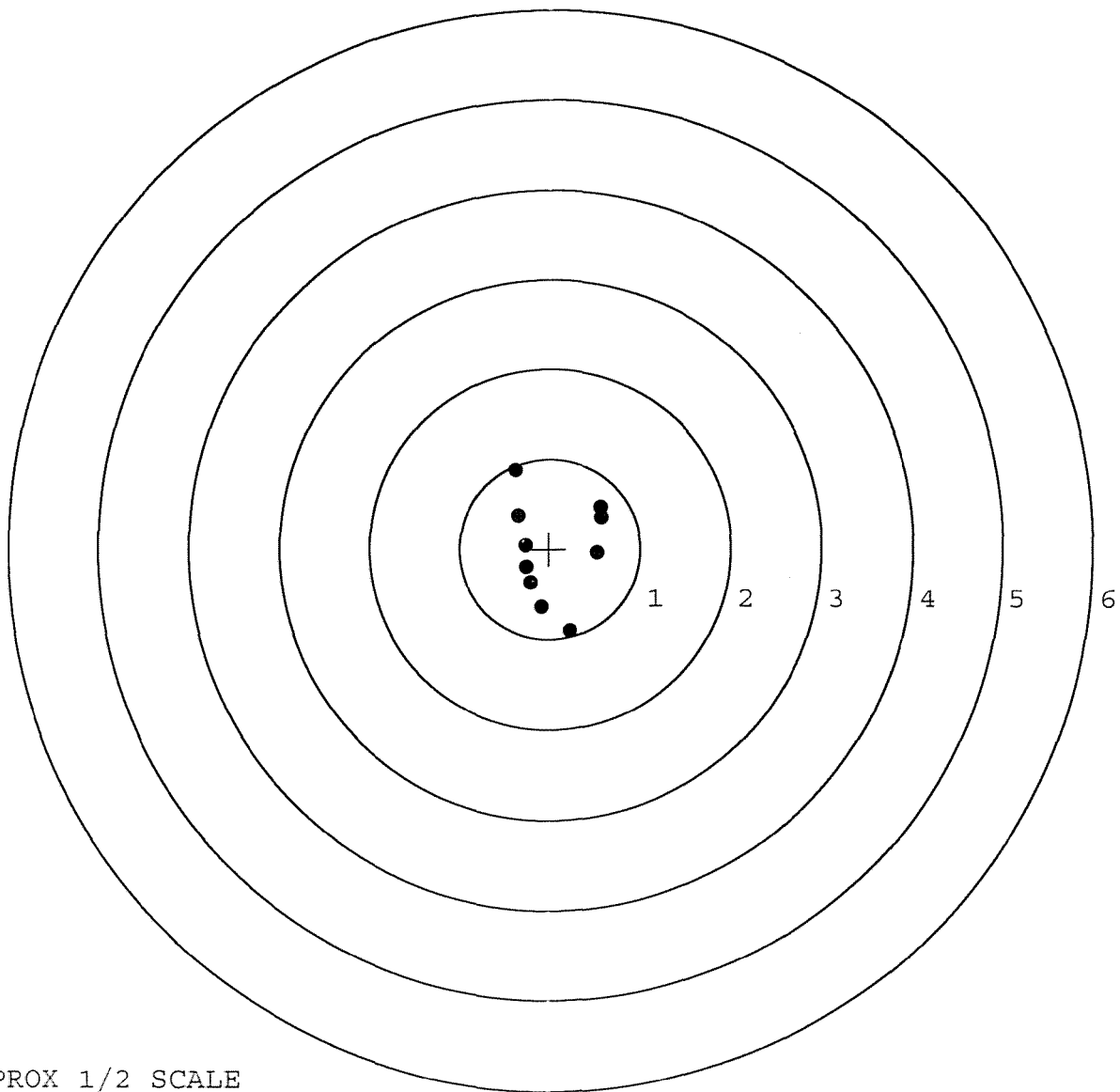
TARGET APPROX 1/2 SCALE

BARBER - M24 0008857

SERIAL NUMBER: C6498847. __0
TARGET NUMBER: 5
FILE DATE: 10/24/2003
FILE TIME: 06:47

POINT#	X	Y
1:	0.530	-0.046
2:	0.572	0.351
3:	0.563	0.463
4:	-0.376	0.878
5:	-0.350	0.372
6:	-0.260	0.042
7:	-0.258	-0.204
8:	-0.213	-0.376
9:	-0.093	-0.648
10:	0.229	-0.915

X CENTROID: 0.034
Y CENTROID: -0.008
POA TO CENTROID: 0.035
HORZ SPREAD: 0.948
VERT SPREAD: 1.793
GROUP SPREAD: 1.892
MIN RADIUS: 0.299
MAX RADIUS: 0.977
MEAN RADIUS: 0.604
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0008858

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™ M24

SERIAL NO.
C6498847

ORDER NO.
5716

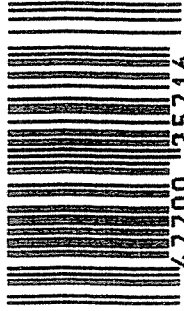
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6498847

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498847

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-90		HS
617	Drill and Tap Sight Holes		5/17/90	WB
618	Polish Barrel RB		5/17/90	LB
620	Apply Coatings (Barrel Action)		5-25-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/1/90	RM

BARBER - M24 0008860

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			6/4/90	WB
	G) Safety Off Force	8 3/4	8 3/4	8 3/4			6/4/90	WB
	H) Trigger Pull Test & Retainability						6/1/90	ML
	I) Firing Pin Indent	.024	.025	.0245			6/4/90	WB
	J) Assemble Stock						6/4/90	RW
	K) Assemble Swivel Studs						6-6-90	JSS
	L) Attach Front and Rear Sight Assemblies						6/4/90	RW
	M) Iron Sight Alignment						6/4/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/4/90	RW
	O) Attach Scope to Rifle						6/4/90	WB
	P) Detach & Attach Scope 20 Times						6/4/90	WB
640	Gallery Target & Test						6-5-90	AC
	A) Time						6-5-90	AC
	B) Malfunctions						6-5-90	AC
	C) Pierced Primers						6-5-90	AC
	D) Optical Clarity of Scope						6-5-90	AC
645	Inspect for Live Ammo						6-5-90	AC
655	Final Inspection						6-8-90	JSS
	A) Headspace							
	B) Trigger Pull	245	239	237	240	240	6-6-90	JSS
	C) Function						6-6-90	JSS
660	Pack						6-19-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06498847DATE 6/1/90TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.19	2.30	2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.28	2.22	2.39	
PULL #3	2.23	2.17	2.20	2.37	
PULL #4	2.26	2.21	2.26	2.40	
PULL #5	2.19	2.24	2.44	2.40	
TOTAL	11.18	11.08	11.42		
AVG.	2.236	2.216	2.284		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.29		
PULL #2	3.24	3.33		
PULL #3	3.31	3.23		
PULL #4	3.27	3.31		
PULL #5	3.22	3.30		
TOTAL	16.34	16.46		
AVG.	3.268	3.292		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.32		4.37
PULL #2	4.18	4.35		4.12
PULL #3	4.40	4.38		4.37
PULL #4	4.42	4.42		4.05
PULL #5	4.42	4.35		4.43
TOTAL	21.80	21.82		21.34
AVG.	4.36	4.364		4.268

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498847
6 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.586287
1 TO	2	.219864
1 TO	3	.324778
1 TO	4	.255002
1 TO	5	.763448

$\frac{5}{13}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4804
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1566
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .50528
THE RMR FOR THIS RIFLE IS: .8042

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06438847

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 9

3 in = 10

HS = 1.422

VS = 1.750

GS = 2.094

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.757	.841	.768
MINIMUM X	:	-.665	-.581	-.654
MAXIMUM Y	:	.784	.676	.575
MINIMUM Y	:	-.966	-.811	-.810
CENTROID X	:	.422	.338	.411
CENTROID Y	:	-.407	-.299	-.198
POA TO CENTROID in.	:	.586	.452	.456
MIN RADIUS	:	.292	.159	.134
MEAN RADIUS	:	.721	.631	.565
MAX RADIUS	:	1.225	.997	.933
HORIZONTAL SPREAD	:	1.422	1.422	1.422
VERTICAL SPREAD	:	1.750	1.487	1.385
EXTREME SPREAD	:	2.094	1.625	1.625
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08498847

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.281

VS= 2.441

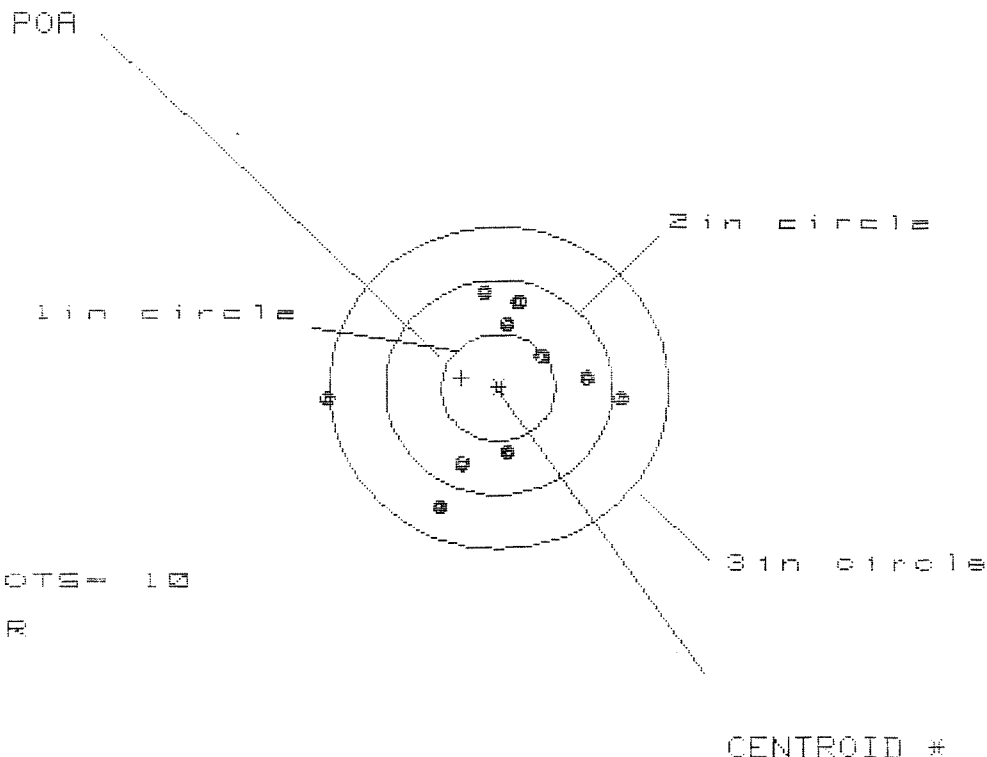
GS= 2.443

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.583	.571	.543
MINIMUM X	:	-.698	-.710	-.738
MAXIMUM Y	:	1.126	.980	.863
MINIMUM Y	:	-1.315	-.966	-.844
CENTROID X	:	.626	.638	.666
CENTROID Y	:	-.325	-.179	-.381
POA TO CENTROID in.	:	.705	.663	.731
MIN RADIUS	:	.296	.161	.261
MEAN RADIUS	:	.800	.718	.687
MAX RADIUS	:	1.319	1.122	1.003
HORIZONTAL SPREAD	:	1.281	1.281	1.281
VERTICAL SPREAD	:	2.441	1.946	1.707
EXTREME SPREAD	:	2.443	2.102	1.769
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6498847

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.583

VS= 1.903

GS= 2.583

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.031	.859	.769
MINIMUM X	:	-1.552	-.721	-.605
MAXIMUM Y	:	.851	.842	.709
MINIMUM Y	:	-1.052	-1.061	-.846
CENTROID X	:	.322	.494	.584
CENTROID Y	:	-.098	-.089	.044
POA TO CENTROID in.	:	.336	.502	.586
MIN RADIUS	:	.489	.353	.195
MEAN RADIUS	:	.875	.769	.667
MAX RADIUS	:	1.554	1.283	1.040
HORIZONTAL SPREAD	:	2.583	1.580	1.374
VERTICAL SPREAD	:	1.903	1.903	1.555
EXTREME SPREAD	:	2.583	1.999	1.602
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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FILE:/PATTERNING/CENTERFIRE_PATT/C843B847

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.577

VS= 2.079

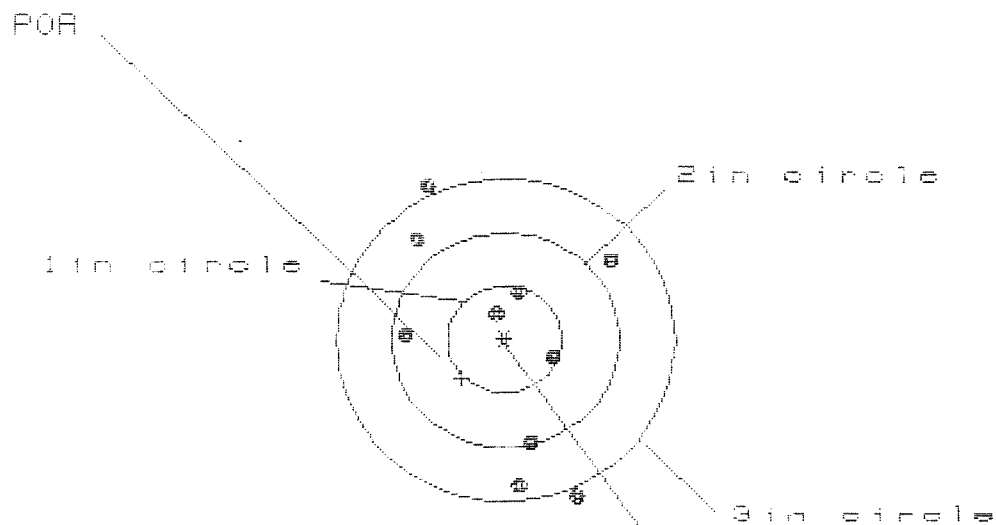
GS= 2.312

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.037	.992	.345
MINIMUM X	:	-.540	-.585	-.461
MAXIMUM Y	:	.855	.719	.775
MINIMUM Y	:	-1.224	-.636	-.580
CENTROID X	:	.657	.702	.578
CENTROID Y	:	-.308	-.172	-.228
POA TO CENTROID in.	:	.726	.723	.622
MIN RADIUS	:	.073	.210	.130
MEAN RADIUS	:	.620	.551	.462
MAX RADIUS	:	1.290	1.087	.776
HORIZONTAL SPREAD	:	1.577	1.577	.806
VERTICAL SPREAD	:	2.079	1.355	1.355
EXTREME SPREAD	:	2.312	1.777	1.364
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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FILE:/PATTERNING/CENTERFIRE_PATT/06498847

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 1.773

VS= 2.853

GS= 3.141

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.880	.951	.875
MINIMUM X	-.893	-.822	-.898
MAXIMUM Y	1.411	1.251	.985
MINIMUM Y	-1.442	-1.487	-1.330
CENTROID X	.375	.304	.380
CENTROID Y	.355	.516	.359
POA TO CENTROID in.	.517	.599	.523
MIN RADIUS	.260	.085	.259
MEAN RADIUS	1.005	.913	.862
MAX RADIUS	1.576	1.497	1.334
HORIZONTAL SPREAD	1.773	1.773	1.773
VERTICAL SPREAD	2.853	2.738	2.315
EXTREME SPREAD	3.141	2.848	2.479
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	