

G-664 5331
Reply
C-622 5571

Repair Inquiry

Repair Number: RE00130077

Serial: C6225571 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Minimize

Verify Repair

Status:

New 6/6/2007 7:18:10 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: DEPARTMENT OF THE ARMY SUPPLY OFFICER

DEPARTMENT OF THE ARMY SUPPLY OFFICER

Address 1: DOL SISA BLDG 9660 BAY A

DOL SISA BLDG 9660 BAY A

Address 2: BOX 339500 MS 181

PO Box:

BOX 339500 MS 181

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: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
D000	FRONT BASE	1

Repair Search

Refresh

Close

nagletj

6/6/2007

8:10 AM

CAPS

NUM

INS

SCRL

start

4 Mi...

4 Int...

Arms ...

Part S...

2 Mi...

2 SA...

8:10 AM

Serial Number:

~~C6225571~~

Model: M24 SWS



RE00130077

'NEW' 66645331

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6645331.___0
FILE DATE AND TIME: 07/23/2007 14:58

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:	-0.084
The Average Point of Impact of the Five Target Set:	0.092
The Average Mean Radius of the Five Target Set:	0.704
The Distance from POA to Centroid Target #1:	0.311
The Distance from Centroid Target #2 to Centroid Target #1:	0.439
The Distance from Centroid Target #3 to Centroid Target #1:	0.415
The Distance from Centroid Target #4 to Centroid Target #1:	0.508
The Distance from Centroid Target #5 to Centroid Target #1:	0.631

BARBER - M24 0171640

SERIAL NUMBER: G6645331.____0

TARGET NUMBER: 1

FILE DATE: 07/23/2007

FILE TIME: 14:58

X CENTROID: 0.049

Y CENTROID: 0.307

POA TO CENTROID: 0.311

HORZ SPREAD: 1.550

VERT SPREAD: 2.768

GROUP SPREAD: 2.769

MIN RADIUS: 0.363

MAX RADIUS: 1.698

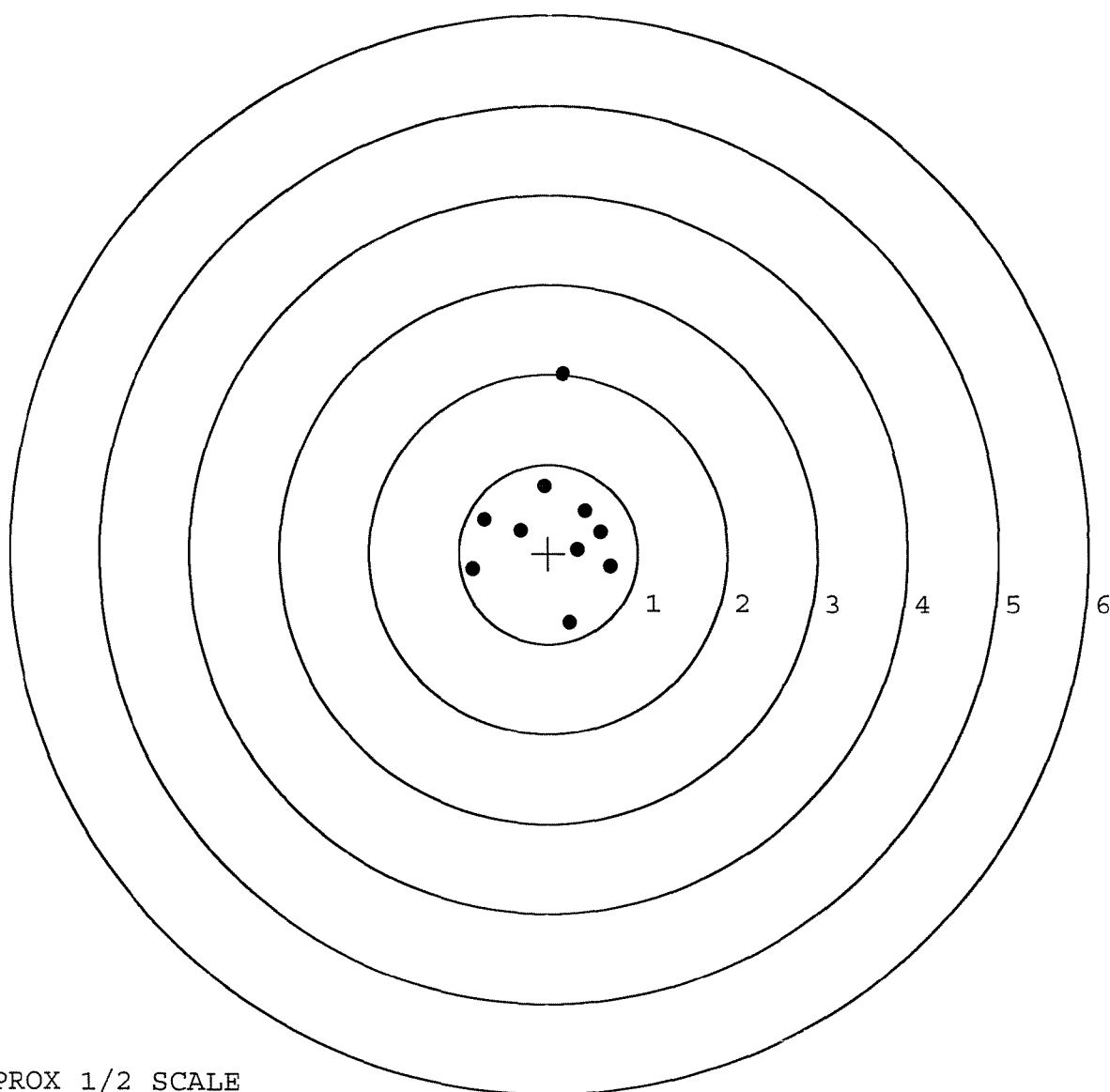
MEAN RADIUS: 0.754

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.241	-0.767
2:	0.699	-0.144
3:	0.330	0.042
4:	0.591	0.245
5:	0.411	0.474
6:	-0.049	0.760
7:	-0.310	0.255
8:	-0.726	0.376
9:	-0.851	-0.176
10:	0.156	2.001



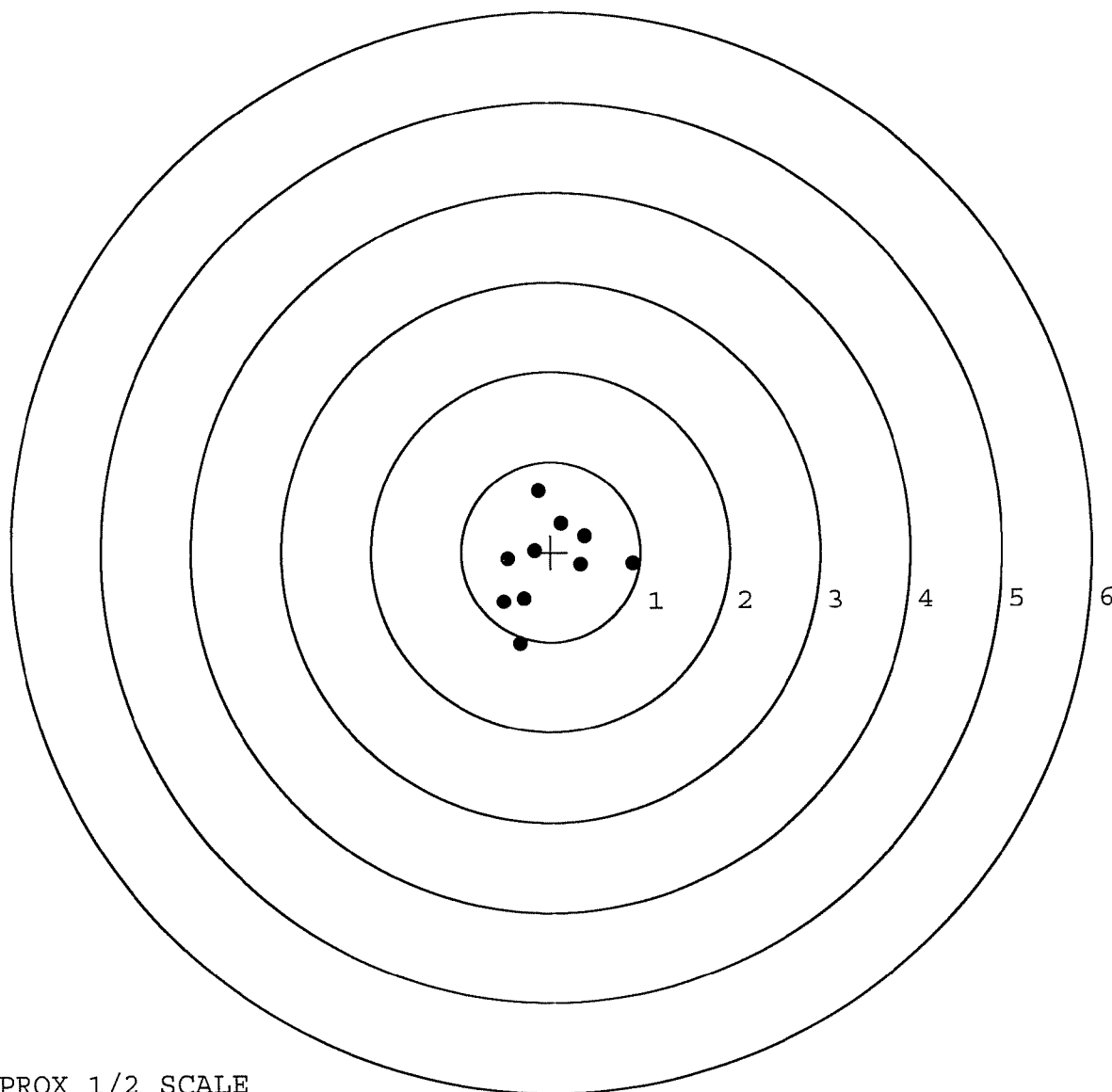
TARGET APPROX 1/2 SCALE

BARBER - M24 0171641

SERIAL NUMBER: G6645331. __0
TARGET NUMBER: 2
FILE DATE: 07/23/2007
FILE TIME: 14:58

X CENTROID: -0.022
Y CENTROID: -0.127
POA TO CENTROID: 0.129
HORZ SPREAD: 1.445
VERT SPREAD: 1.701
GROUP SPREAD: 1.714
MIN RADIUS: 0.216
MAX RADIUS: 0.952
MEAN RADIUS: 0.586
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.916	-0.135
2:	-0.348	-1.021
3:	-0.529	-0.555
4:	0.338	-0.146
5:	0.383	0.177
6:	0.118	0.316
7:	-0.135	0.680
8:	-0.183	0.018
9:	-0.480	-0.079
10:	-0.303	-0.522



TARGET APPROX 1/2 SCALE

BARBER - M24 0171642

SERIAL NUMBER: G6645331. __0

TARGET NUMBER: 3

FILE DATE: 07/23/2007

FILE TIME: 14:58

X CENTROID: -0.064

Y CENTROID: -0.092

POA TO CENTROID: 0.112

HORZ SPREAD: 1.342

VERT SPREAD: 2.499

GROUP SPREAD: 2.605

MIN RADIUS: 0.075

MAX RADIUS: 1.350

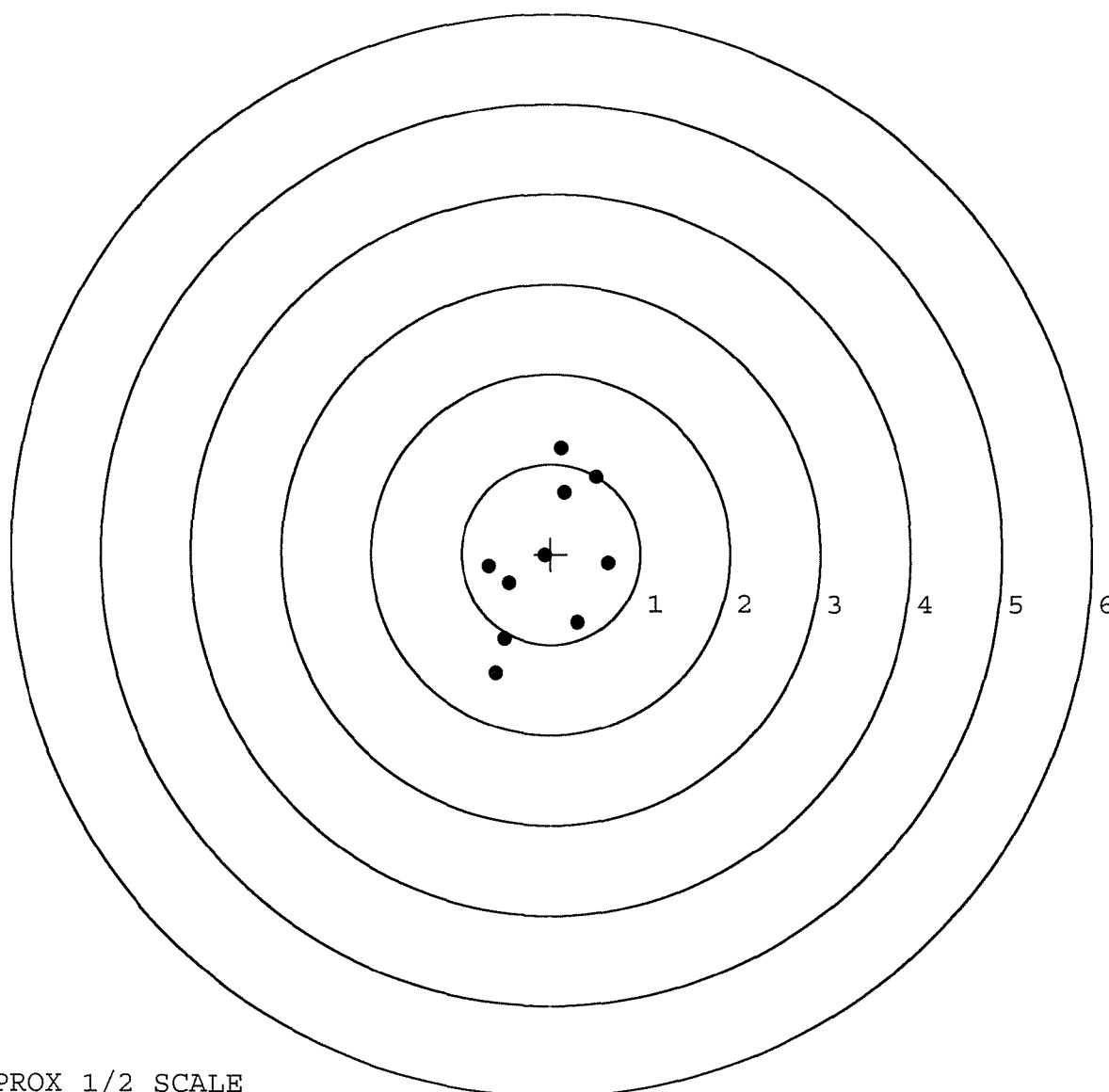
MEAN RADIUS: 0.815

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.615	-1.325
2:	-0.518	-0.944
3:	0.303	-0.764
4:	0.644	-0.100
5:	-0.070	-0.017
6:	-0.468	-0.329
7:	-0.698	-0.140
8:	0.152	0.676
9:	0.510	0.847
10:	0.120	1.174



TARGET APPROX 1/2 SCALE

BARBER - M24 0171643

SERIAL NUMBER: G6645331. __0

TARGET NUMBER: 4

FILE DATE: 07/23/2007

FILE TIME: 14:58

X CENTROID: 0.179

Y CENTROID: -0.185

POA TO CENTROID: 0.257

HORZ SPREAD: 2.313

VERT SPREAD: 1.957

GROUP SPREAD: 3.030

MIN RADIUS: 0.219

MAX RADIUS: 1.653

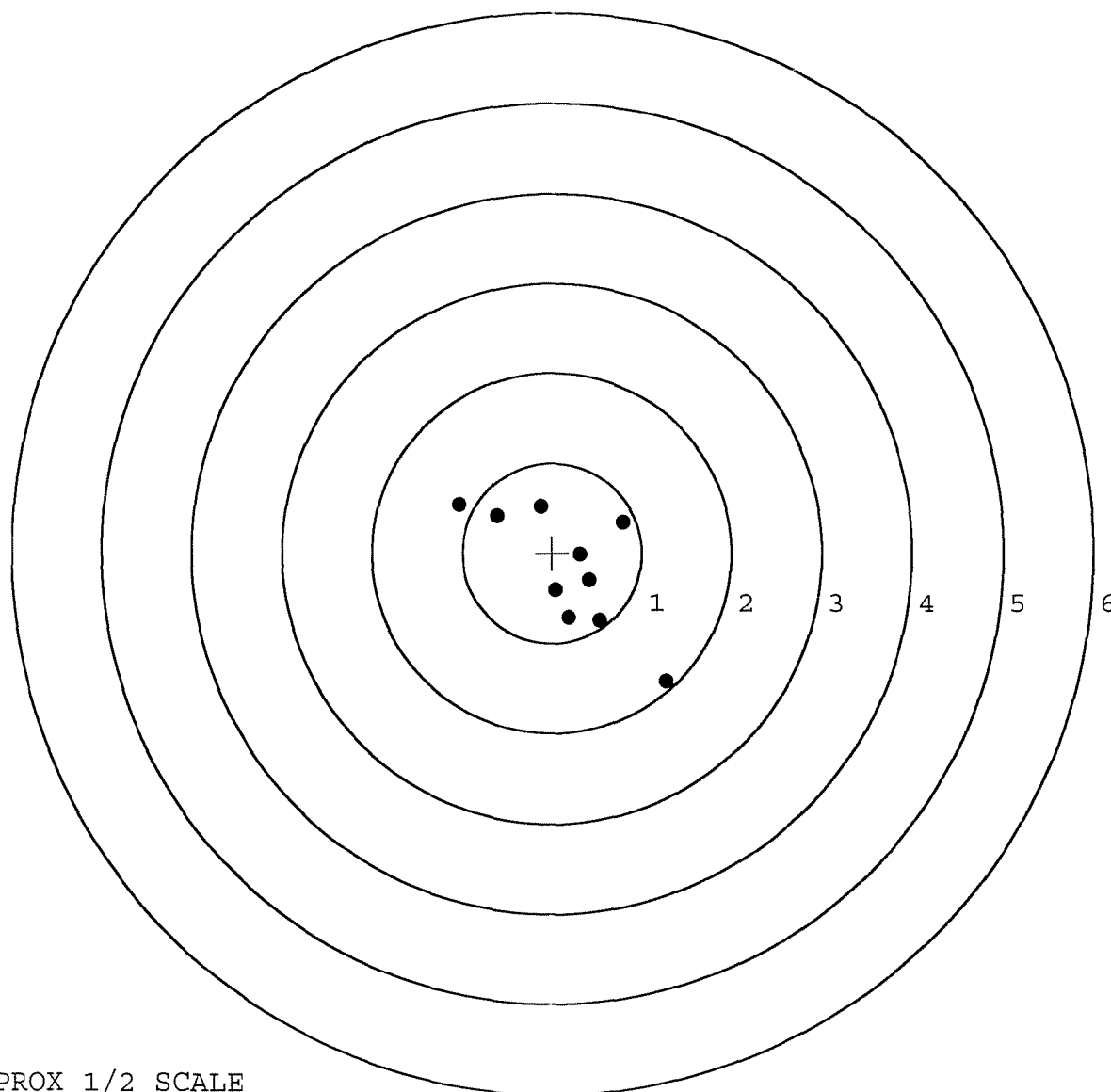
MEAN RADIUS: 0.760

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.267	-1.430
2:	0.540	-0.758
3:	0.191	-0.726
4:	0.041	-0.408
5:	0.424	-0.302
6:	0.316	-0.014
7:	0.794	0.341
8:	-0.128	0.513
9:	-0.607	0.408
10:	-1.046	0.527



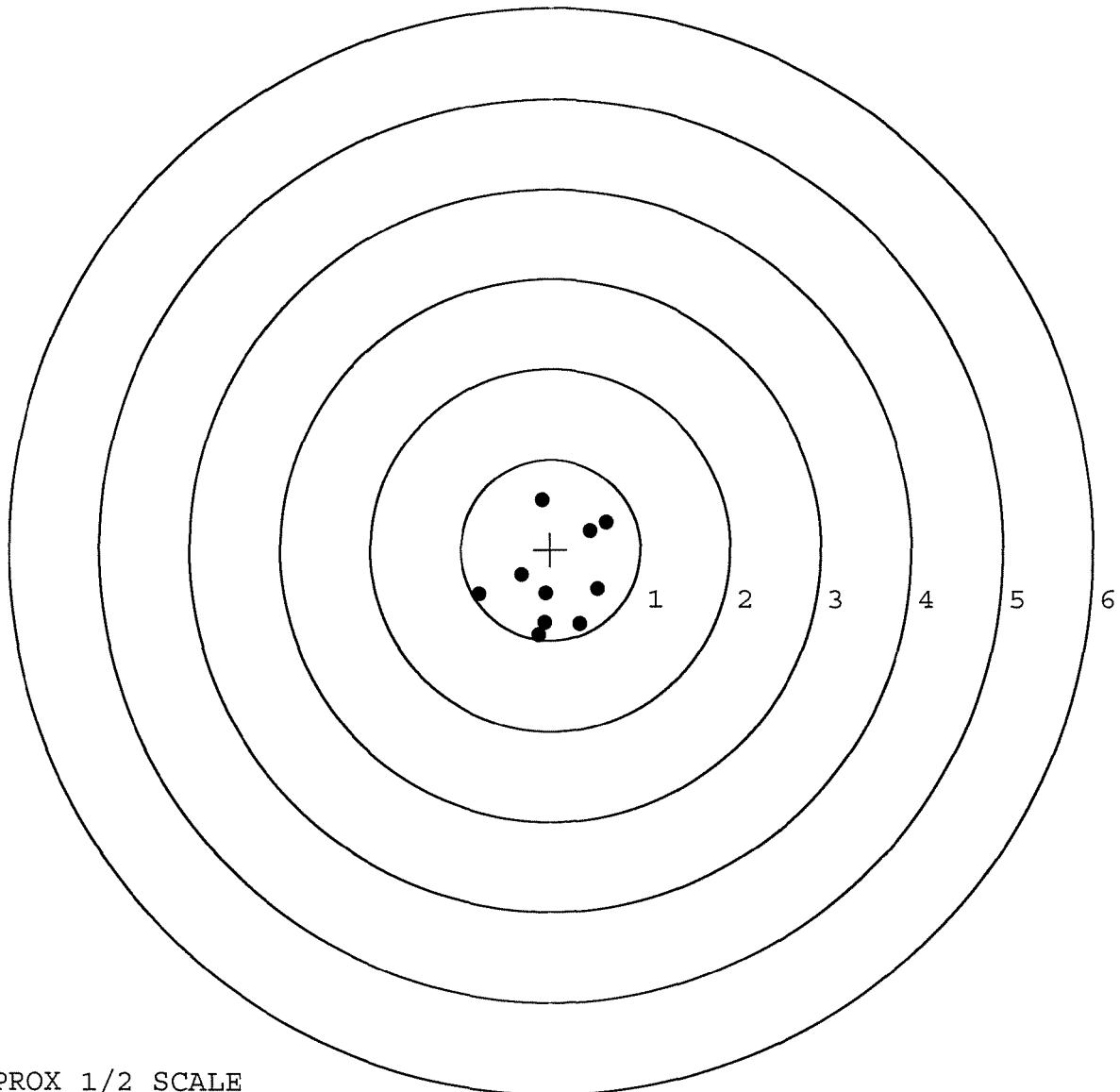
TARGET APPROX 1/2 SCALE

BARBER - M24 0171644

SERIAL NUMBER: G6645331. __0
TARGET NUMBER: 5
FILE DATE: 07/23/2007
FILE TIME: 14:58

X CENTROID: 0.045
Y CENTROID: -0.324
POA TO CENTROID: 0.327
HORZ SPREAD: 1.422
VERT SPREAD: 1.489
GROUP SPREAD: 1.490
MIN RADIUS: 0.191
MAX RADIUS: 0.878
MEAN RADIUS: 0.605
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.327	-0.826
2:	0.529	-0.438
3:	-0.136	-0.947
4:	-0.069	-0.816
5:	-0.054	-0.488
6:	-0.323	-0.283
7:	0.442	0.213
8:	0.624	0.301
9:	-0.097	0.542
10:	-0.798	-0.499



TARGET APPROX 1/2 SCALE

R & E NUMBER 00130077SERIAL NUMBER ~~C6225571~~ "NEW" G6645331LOG-IN DATE 6-6-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-11-07	TRW
505	RE-BARREL	7-12-07	TRW
560	ASSEMBLE	7-16-07	TRW
600	PROOF	7-16-07	TRW
605	CHECK HEADSPACE	7-16-07	TRW
610	DIS-ASSEMBLE GUN	7-16-07	TRW
612	MAGNAFLUX	7-17-07	TRW
510	DRILL AND TAP	7-16-07	TRW
615	ROLLMARK CALIBER	7-16-07	CW
618	ROTO-BLAST	7-17-07	LB
620	APPLY COATINGS	7-18-07	CW
625	FINAL ASSEMBLY	7-20-07	TRW
640	FUNCTION TEST AND	7-23-07	TRW
650	TARGET	7-23-07	TRW
	MALFUNCTION OH	CORRECTION OK	7-23-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	7-23-07 Fm
670	FINAL INSPECTION	7-24-07	DA
	A) HEADSPACE	PASS FAIL	
	B) TRIGGER PULL	2.63 2.67 2.84 2.85 2.84 7-24-07	DA
680	F) SAFETY ON FORCE	4.0 4.0 4.0 7-24-07	DA
	G) SAFETY OFF FORCE	2.0 2.0 2.0 7-24-07	DA
	I) FIRING PIN INDENT	.023 .023 .023 7-24-07	DA
690	PACK	7-24-07	DA

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: **RE00043942** Serial: C6225571 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: New 3/25/02 1:39:01 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **DIRECTOR OF LOGISTICS** **DIRECTOR OF LOGISTICS**

Address 1: **ATTN AFZH DLG W** **ATTN AFZH DLG W**

Address 2: PO Box: 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

Condition: **Poor**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A017	Scope Base	1

Repair Search Refresh Close

inagle 3/25/02 1:43 PM CAPS NUM INS SCFL

Start In... C... A... S... S... P... A... S... 1:43 PM

Serial Number: **C6225571**

Model: **700**



RE00043942

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225571.___0
FILE DATE AND TIME: 04/06/2002 23:27

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

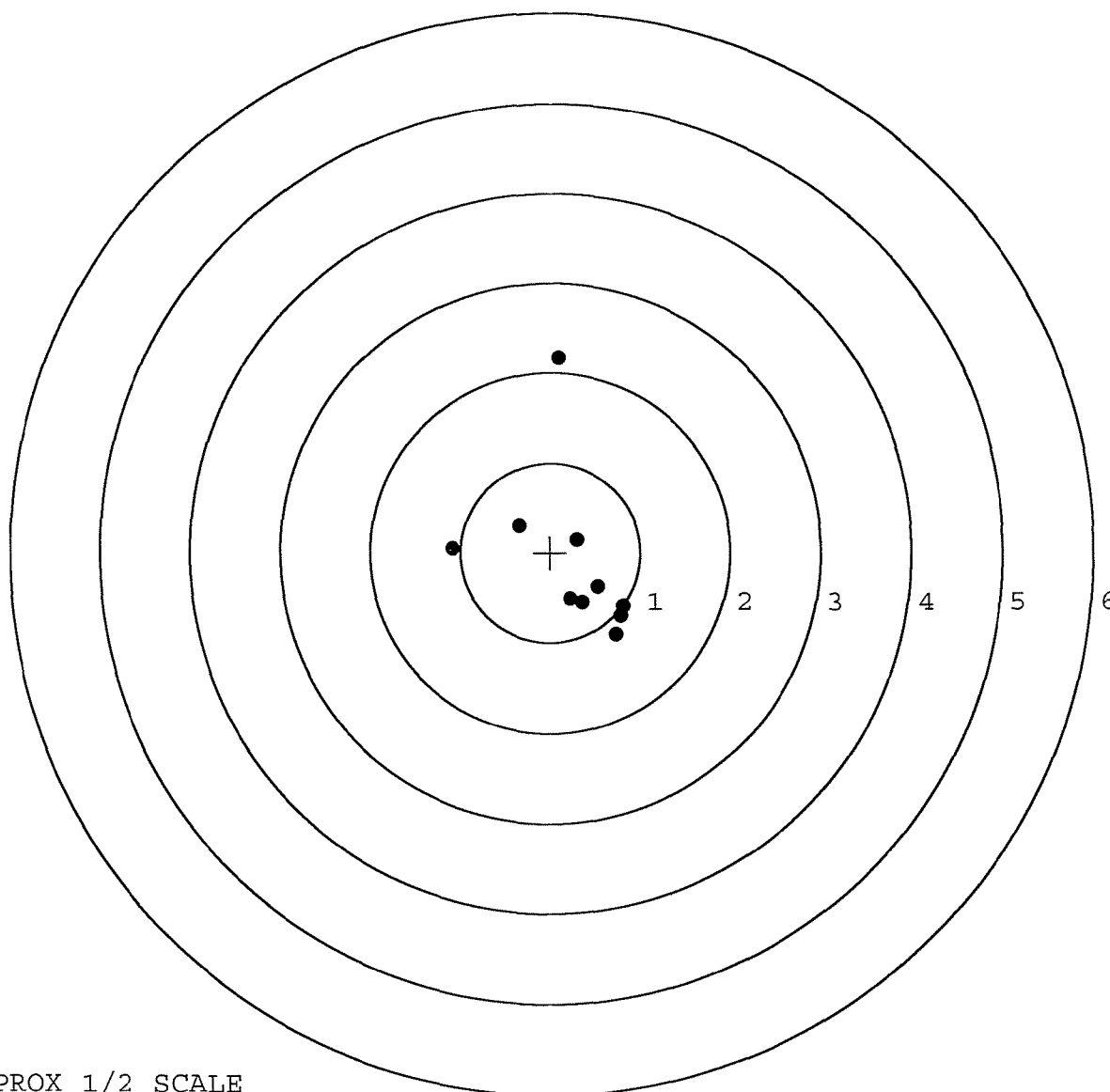
The Average X Centroid of the Five Target Set:	0.098
The Average Y Centroid of the Five Target Set:	-0.052
The Average Point of Impact of the Five Target Set:	0.111
The Average Mean Radius of the Five Target Set:	0.599
The Distance from POA to Centroid Target #1:	0.264
The Distance from Centroid Target #2 to Centroid Target #1:	0.218
The Distance from Centroid Target #3 to Centroid Target #1:	0.174
The Distance from Centroid Target #4 to Centroid Target #1:	0.149
The Distance from Centroid Target #5 to Centroid Target #1:	0.321

BARBER - M24 0171648

SERIAL NUMBER: C6225571. __0
TARGET NUMBER: 1
FILE DATE: 04/06/2002
FILE TIME: 23:27

X CENTROID: 0.242
Y CENTROID: -0.104
POA TO CENTROID: 0.264
HORZ SPREAD: 1.907
VERT SPREAD: 3.076
GROUP SPREAD: 3.143
MIN RADIUS: 0.257
MAX RADIUS: 2.270
MEAN RADIUS: 0.841
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.092	0.048
2:	-0.345	0.306
3:	0.306	0.145
4:	0.532	-0.385
5:	0.231	-0.524
6:	0.362	-0.561
7:	0.735	-0.915
8:	0.789	-0.711
9:	0.815	-0.602
10:	0.089	2.161



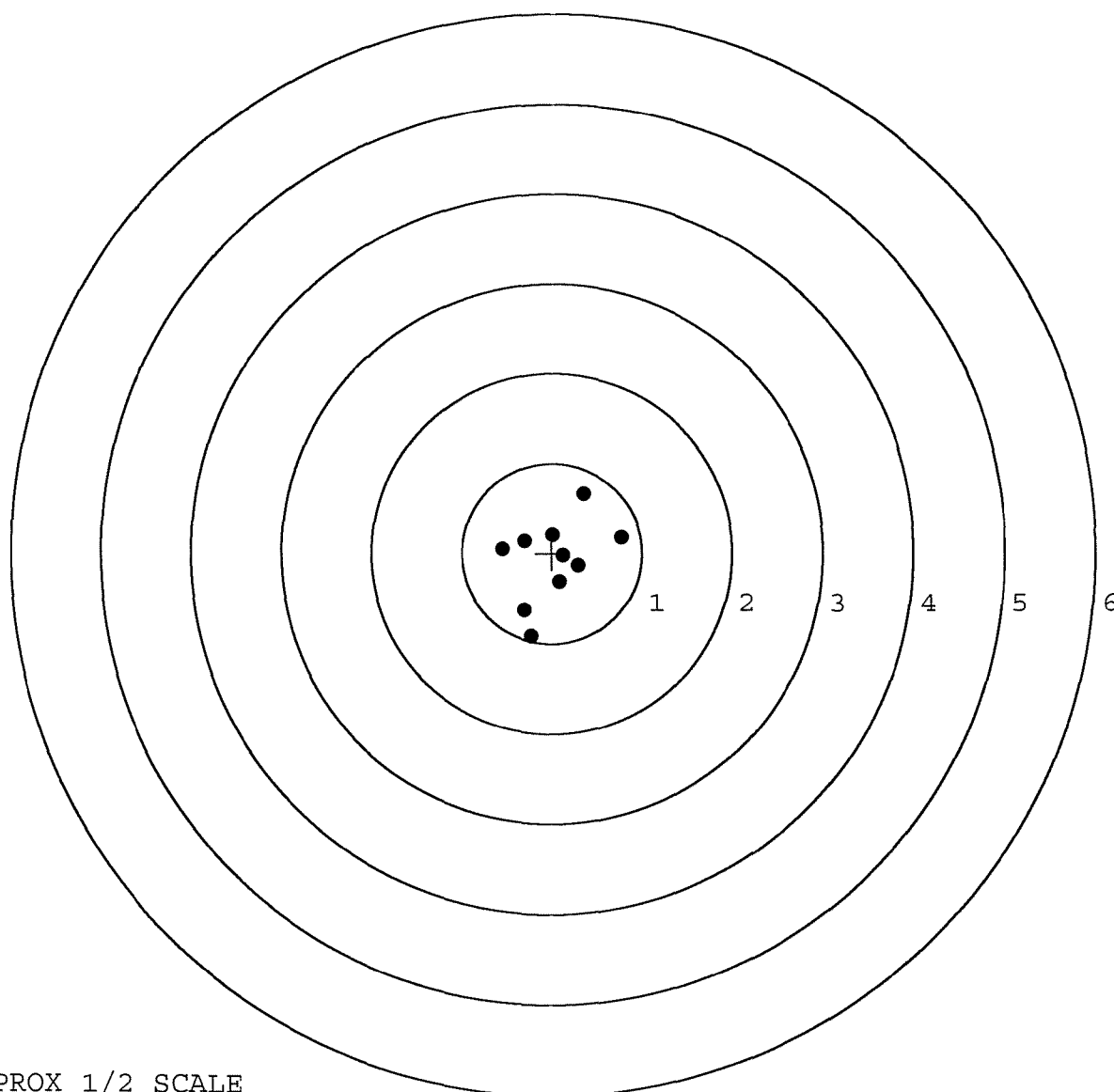
TARGET APPROX 1/2 SCALE

BARBER - M24 0171649

SERIAL NUMBER: C6225571. __0
TARGET NUMBER: 2
FILE DATE: 04/06/2002
FILE TIME: 23:27

X CENTROID: 0.025
Y CENTROID: -0.085
POA TO CENTROID: 0.089
HORZ SPREAD: 1.321
VERT SPREAD: 1.584
GROUP SPREAD: 1.690
MIN RADIUS: 0.111
MAX RADIUS: 0.878
MEAN RADIUS: 0.504
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.230	-0.925
2:	-0.306	-0.638
3:	0.774	0.176
4:	0.359	0.659
5:	0.296	-0.146
6:	0.083	-0.326
7:	0.123	-0.032
8:	0.008	0.206
9:	-0.305	0.136
10:	-0.547	0.042



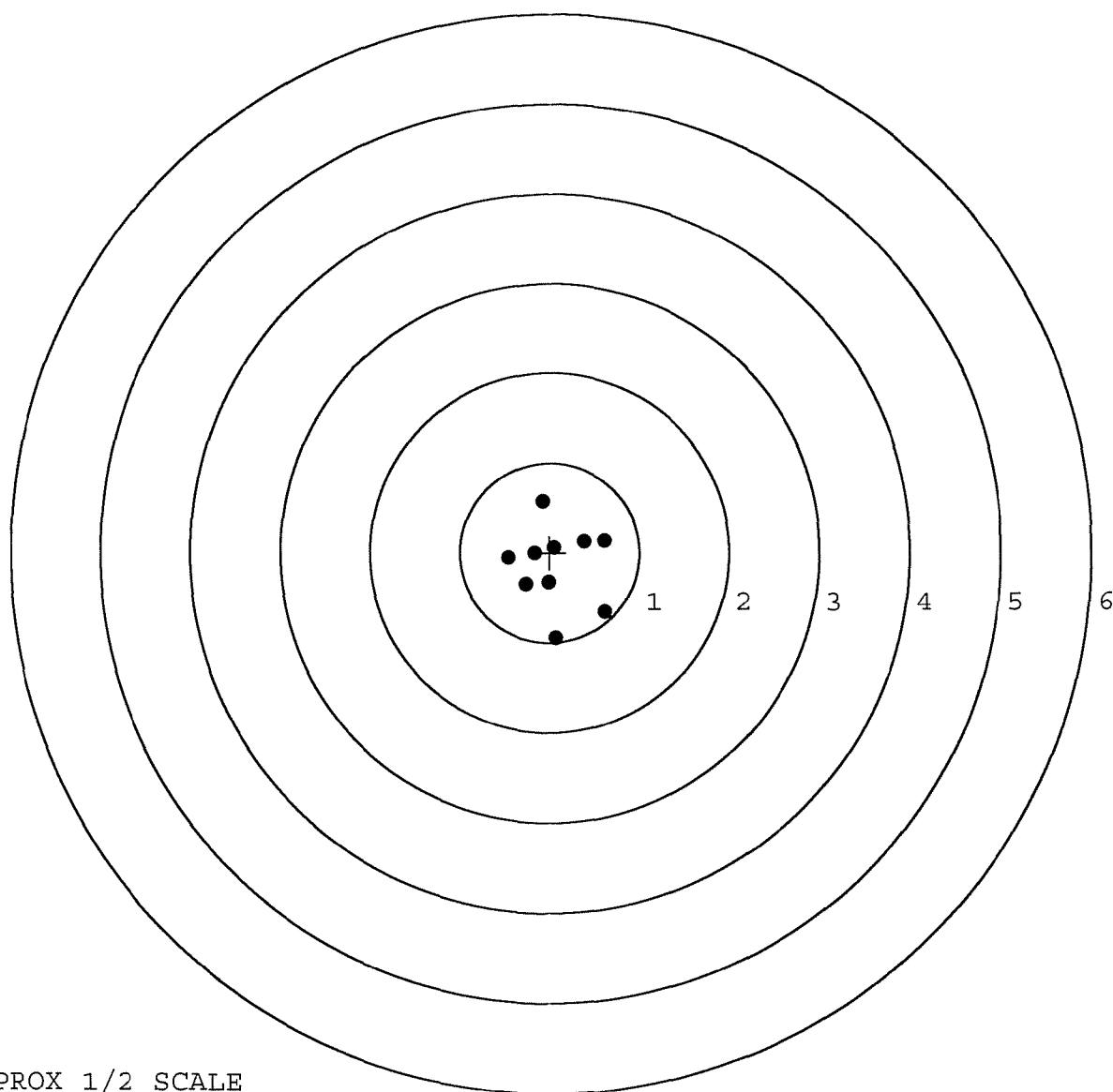
TARGET APPROX 1/2 SCALE

BARBER - M24 0171650

SERIAL NUMBER: C6225571. __0
TARGET NUMBER: 3
FILE DATE: 04/06/2002
FILE TIME: 23:27

X CENTROID: 0.075
Y CENTROID: -0.150
POA TO CENTROID: 0.167
HORZ SPREAD: 1.090
VERT SPREAD: 1.530
GROUP SPREAD: 1.538
MIN RADIUS: 0.208
MAX RADIUS: 0.807
MEAN RADIUS: 0.498
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.624	-0.666
2:	0.073	-0.957
3:	0.616	0.135
4:	0.390	0.122
5:	-0.082	0.573
6:	0.049	0.058
7:	-0.169	-0.013
8:	-0.466	-0.060
9:	-0.271	-0.354
10:	-0.017	0.337



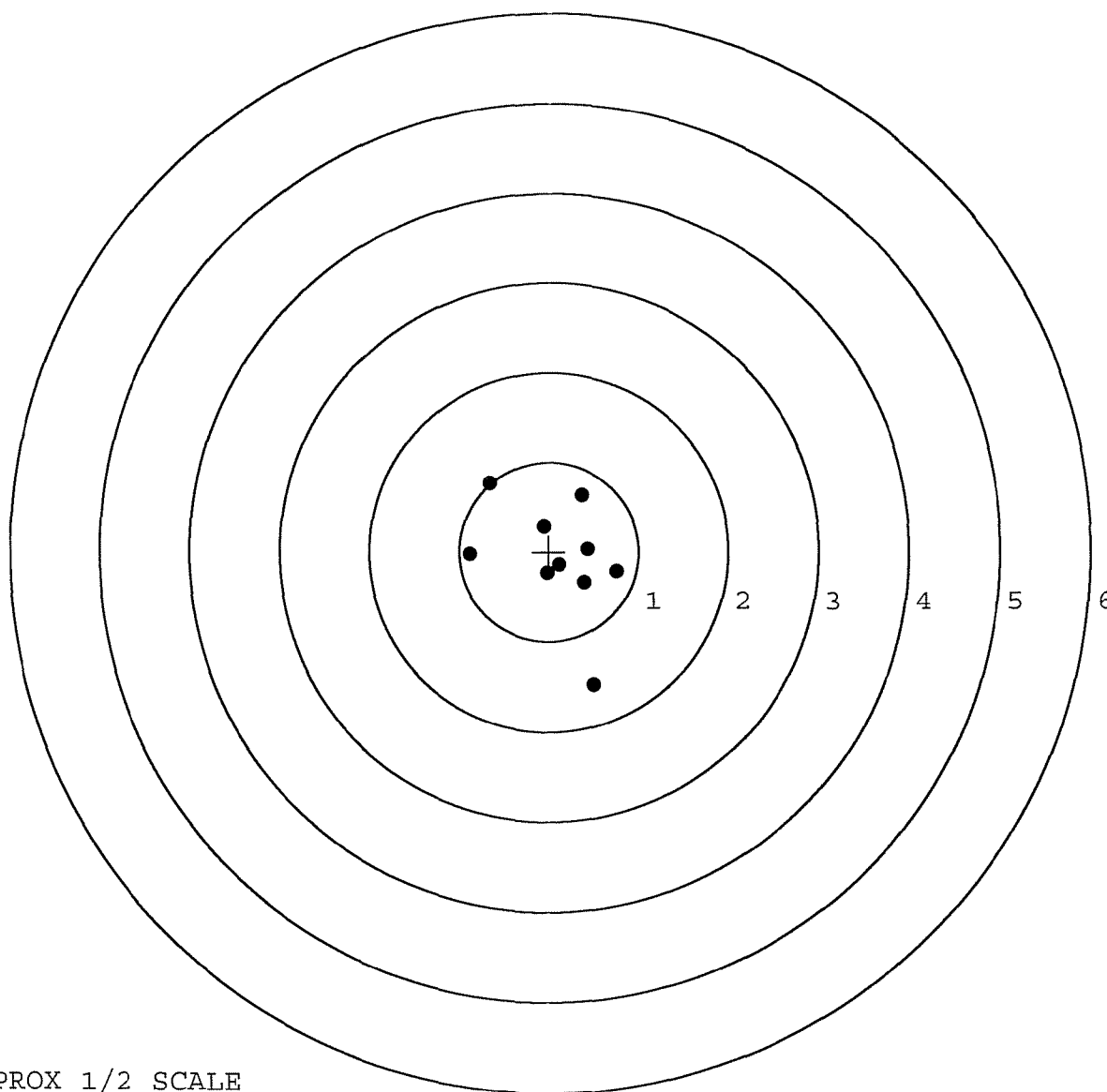
TARGET APPROX 1/2 SCALE

BARBER - M24 0171651

SERIAL NUMBER: C6225571. __0
TARGET NUMBER: 4
FILE DATE: 04/06/2002
FILE TIME: 23:27

X CENTROID: 0.096
Y CENTROID: -0.075
POA TO CENTROID: 0.122
HORZ SPREAD: 1.645
VERT SPREAD: 2.241
GROUP SPREAD: 2.529
MIN RADIUS: 0.076
MAX RADIUS: 1.459
MEAN RADIUS: 0.645
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.507	-1.475
2:	0.760	-0.220
3:	0.440	0.030
4:	0.117	-0.148
5:	-0.026	-0.240
6:	-0.885	-0.032
7:	-0.055	0.285
8:	0.371	0.631
9:	-0.665	0.766
10:	0.399	-0.348



TARGET APPROX 1/2 SCALE

BARBER - M24 0171652

SERIAL NUMBER: C6225571. __0

TARGET NUMBER: 5

FILE DATE: 04/06/2002

FILE TIME: 23:27

X CENTROID: 0.052

Y CENTROID: 0.156

POA TO CENTROID: 0.164

HORZ SPREAD: 1.353

VERT SPREAD: 2.155

GROUP SPREAD: 2.261

MIN RADIUS: 0.122

MAX RADIUS: 1.745

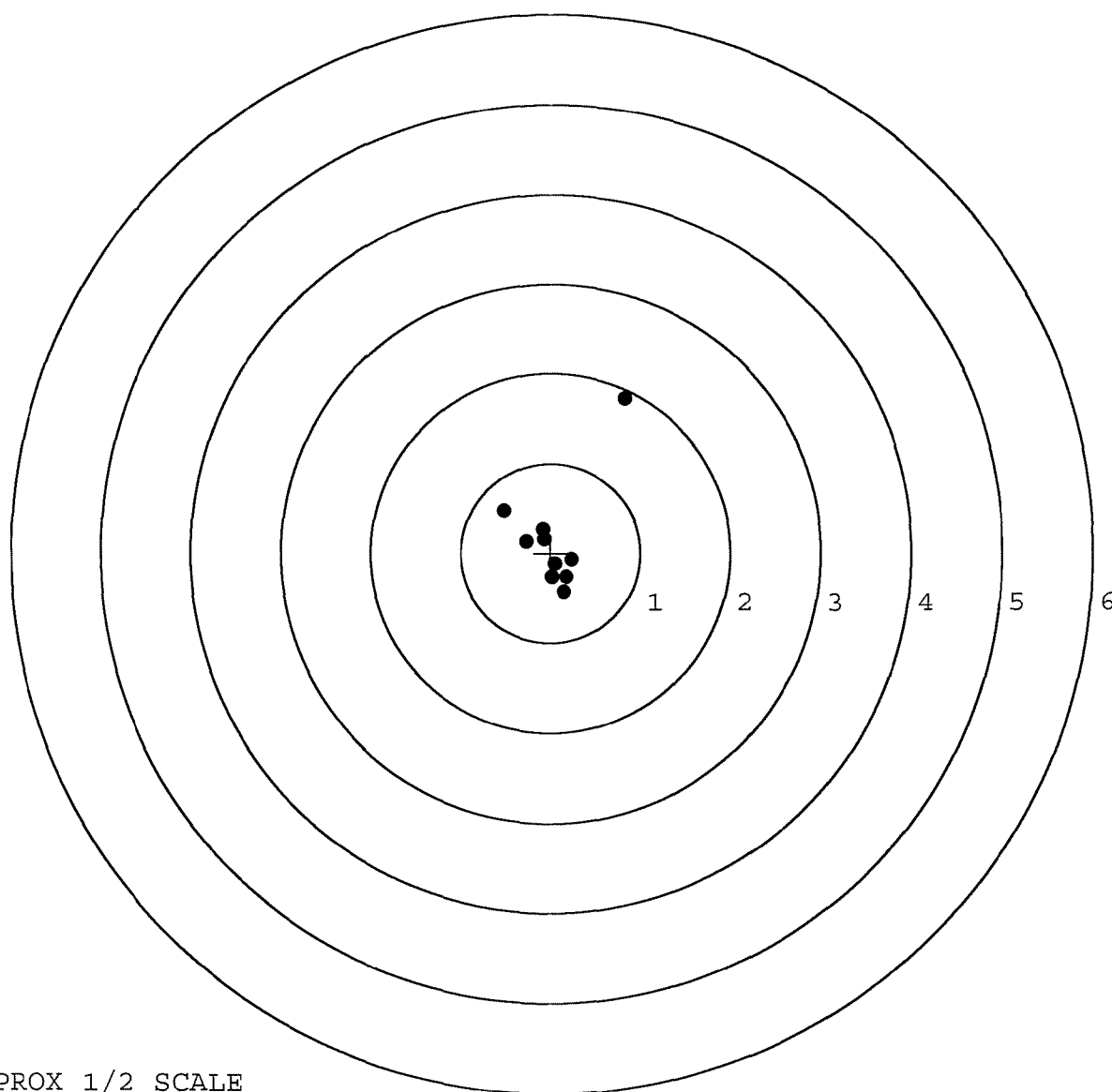
MEAN RADIUS: 0.507

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.832	1.717
2:	-0.521	0.473
3:	-0.082	0.261
4:	-0.268	0.128
5:	-0.070	0.157
6:	0.240	-0.079
7:	0.052	-0.126
8:	0.175	-0.268
9:	0.017	-0.270
10:	0.149	-0.438



TARGET APPROX 1/2 SCALE

BARBER - M24 0171653

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

R & E NUMBER 43942

SERIAL NUMBER C6225571

LOG-IN DATE 3/25/02

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3/26/02	RLH
560 A	RE-BARREL AT CUSTOM SHOP	3/26/02	BWT
B	DRILL AND TAP	3/26/02	BWT
C	POLISH		
575	ASSEMBLE	3/26/02	RLH
600	PROOF	3-26-02	MAGNAFLUX
605	CHECK HEADSPACE	3-26-02	INSPECTED
610	DIS-ASSEMBLE GUN	3/26/02	RLH 6 2002
612	MAGNAFLUX		OPERATOR AL
615	ROLLMARK CALIBER	3/28/02	TW
618	ROTO-BLAST	4/1/02	KO
620	APPLY COATINGS	4-3	TA
625 A	FINAL ASSEMBLY	4/3/02	RLH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	4/5/02	RLH
655	FINAL INSPECT	4/8/02	RLH
660	PACK	4/8/02	DA
		SHIP DATE	
		QAR INSPECTION DATE	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225571

CENTROIDAL DISTANCES

0 TO	1	.485412
1 TO	2	.309958
1 TO	3	.43993
1 TO	4	.569077
1 TO	5	.610066

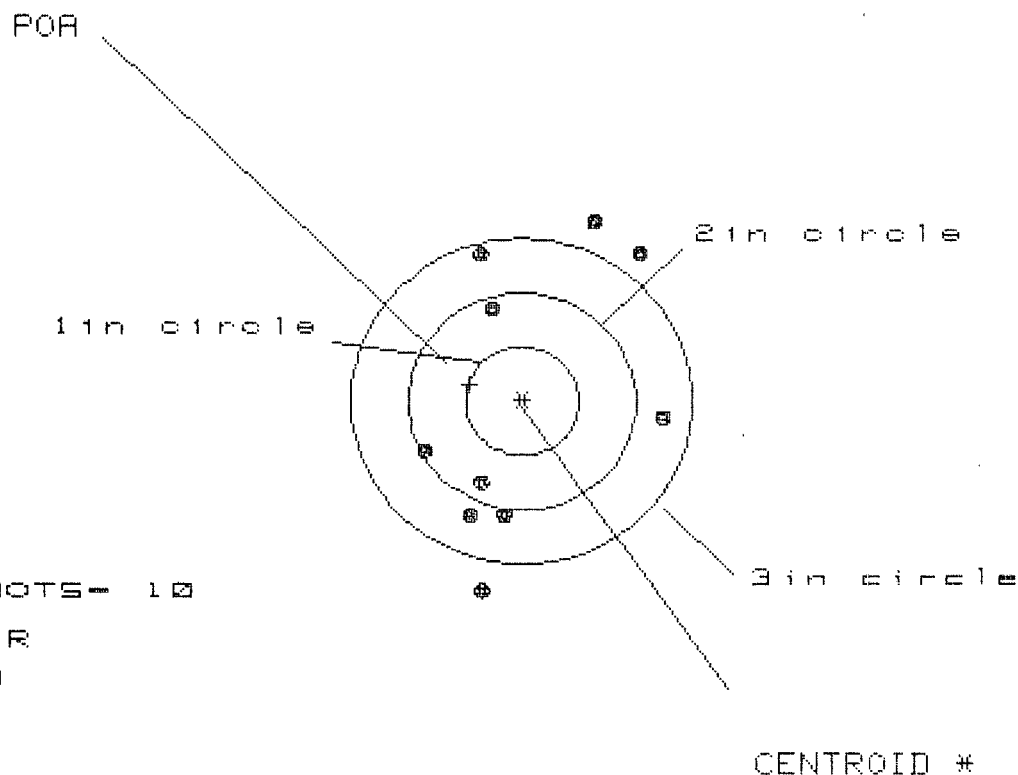
$\bar{x} = \frac{1}{n} \sum x_i$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .116
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1854
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .218699
THE AMR FOR THIS RIFLE IS: 1.011

30 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225571

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 7

HS= 2.098

VS= 3.364

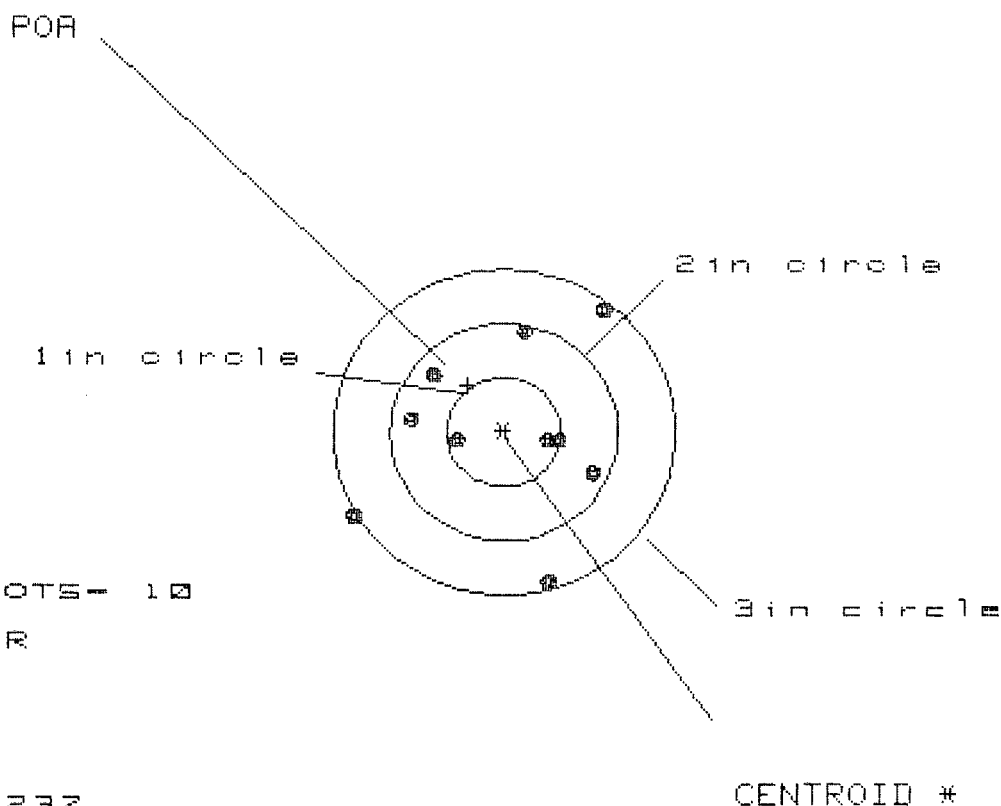
GS= 3.507

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.219	1.175	1.244
MINIMUM X	:	-.879	-.923	-.855
MAXIMUM Y	:	1.643	1.452	1.352
MINIMUM Y	:	-1.721	-1.234	-1.053
CENTROID X	:	.461	.505	.436
CENTROID Y	:	-.152	.039	-.142
POA TO CENTROID in.:	:	.485	.507	.459
MIN RADIUS	:	.854	.691	.838
MEAN RADIUS	:	1.275	1.221	1.153
MAX RADIUS	:	1.767	1.552	1.733
HORIZONTAL SPREAD	:	2.098	2.098	2.098
VERTICAL SPREAD	:	3.364	2.686	2.405
EXTREME SPREAD	:	3.507	2.897	2.863
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	7		

30 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225571

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.237

VS= 2.464

GS= 2.932

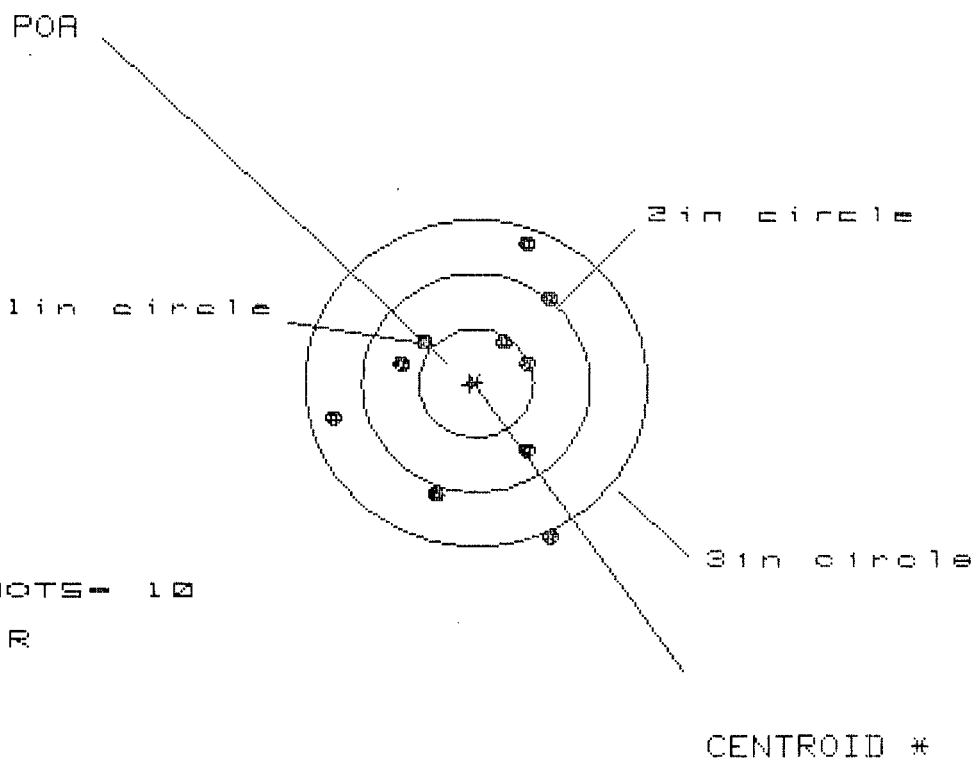
CENTROID *

PATTERN #	:	2	3	4
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.879	.729	.758
MINIMUM X	:	-1.358	-.934	-.905
MAXIMUM Y	:	1.089	1.000	.817
MINIMUM Y	:	-1.375	-1.464	-.622
CENTROID X	:	.318	.468	.439
CENTROID Y	:	-.427	-.338	-.154
POA TO CENTROID in.	:	.532	.577	.465
MIN RADIUS	:	.408	.311	.453
MEAN RADIUS	:	.914	.822	.742
MAX RADIUS	:	1.579	1.483	1.114
HORIZONTAL SPREAD	:	2.237	1.663	1.663
VERTICAL SPREAD	:	2.464	2.464	1.438
EXTREME SPREAD	:	2.932	2.513	1.914
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		

30 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225571

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 1.950

VS = 2.684

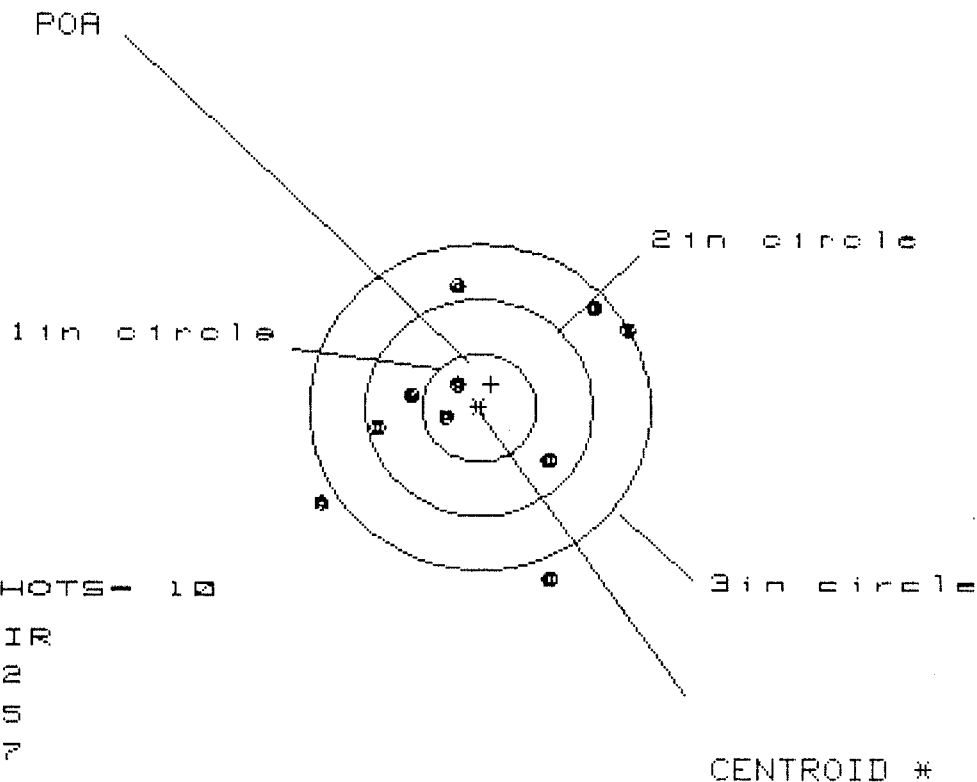
GS = 2.697

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.665	.695	.755
MINIMUM X	:	-1.285	-1.211	-1.151
MAXIMUM Y	:	1.296	1.142	.818
MINIMUM Y	:	-1.388	-1.214	-1.072
CENTROID X	:	.054	-.020	-.080
CENTROID Y	:	.015	.169	.027
POA TO CENTROID in.	:	.056	.171	.084
MIN RADIUS	:	.436	.424	.540
MEAN RADIUS	:	.934	.846	.805
MAX RADIUS	:	1.539	1.290	1.190
HORIZONTAL SPREAD	:	1.950	1.906	1.906
VERTICAL SPREAD	:	2.684	2.356	1.890
EXTREME SPREAD	:	2.697	2.479	2.210
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

30 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225571

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS = 2.745

VS = 2.755

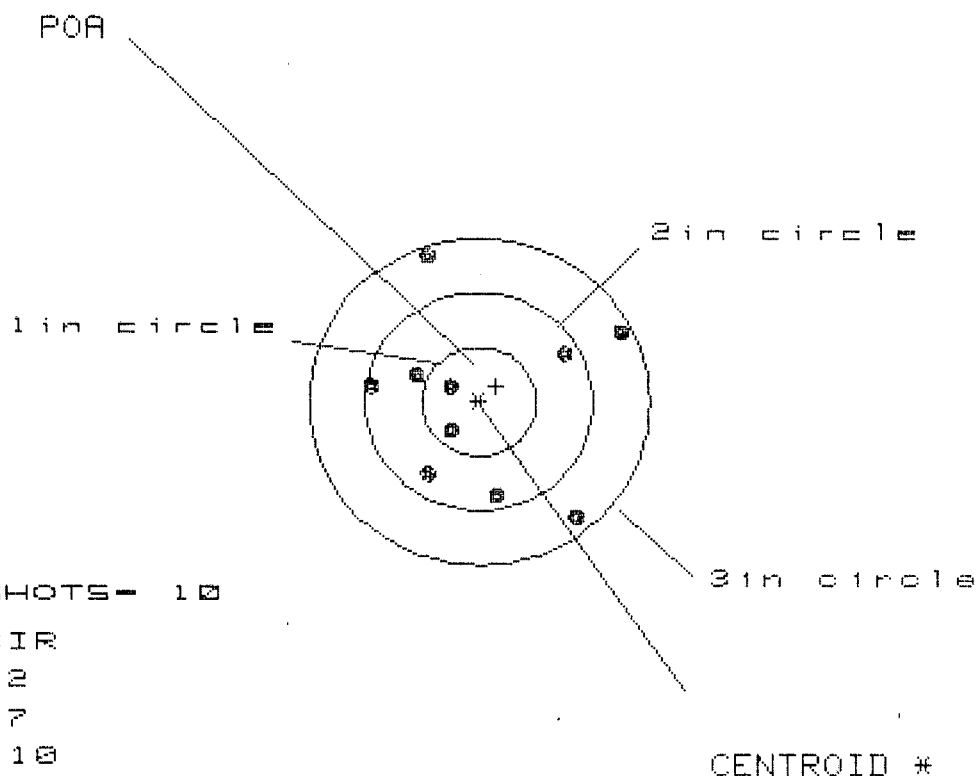
GS = 3.144

PATTERN #	:	741	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.339	1.400	1.232
MINIMUM X	:	-1.407	-1.345	-1.017
MAXIMUM Y	:	1.144	.965	.836
MINIMUM Y	:	-1.511	-1.029	-.771
CENTROID X	:	-.104	-.165	.003
CENTROID Y	:	-.220	-.041	.088
POA TO CENTROID in.	:	.243	.170	.088
MIN RADIUS	:	.306	.134	.286
MEAN RADIUS	:	1.032	.927	.860
MAX RADIUS	:	1.704	1.694	1.287
HORIZONTAL SPREAD	:	2.745	2.745	2.249
VERTICAL SPREAD	:	2.755	1.994	1.607
EXTREME SPREAD	:	3.144	3.144	2.395
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

30 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225571

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.266

VS= 2.404

GS= 2.717

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.294	.977	.941
MINIMUM X	:	-.972	-.828	-.864
MAXIMUM Y	:	1.340	1.414	.714
MINIMUM Y	:	-1.064	-.990	-.813
CENTROID X	:	-.149	-.293	-.257
CENTROID Y	:	-.143	-.217	-.394
POA TO CENTROID in.	:	.207	.365	.471
MIN RADIUS	:	.277	.211	.194
MEAN RADIUS	:	.900	.795	.708
MAX RADIUS	:	1.458	1.444	1.243
HORIZONTAL SPREAD	:	2.266	1.805	1.805
VERTICAL SPREAD	:	2.404	2.404	1.527
EXTREME SPREAD	:	2.717	2.717	2.151
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8 9/88	9/88	FB
600	Proof	9 7/88	9/7/88	RW
607	Check Headspace	9 7/88	9/7/88	RW
610	Dis-assemble gun	9 7/88	9/7/88	RW
612	Magnaflux Barrel Action		9-14-88	RW
	Magnaflux Bolt		9-14-88	RW
615	Rollmark Caliber		10/12	WC
617	Drill & Tap Sight Holes		10/12	FB
618	Polish Barrel		10/20	WTF
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/3/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/3/88	RW
	C) Inspect Ejector Hole for Chamfer		11/3/88	RW

OVER

BARBER - M24 0171661

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/3/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		3 NOV 88	JS
	F) Safety on Force	5 5 5	4 NOV 88	JS
	G) Safety off Force	3 3 3	4 NOV 88	JS
	H) Trigger Pull Test & Retainability		3 NOV 88	JS
	I) Firing Pin Indent	.021 .021 .021	4 NOV 88	JS
	J) Assemble Stock		11/16/88	RW
	K) Attach Front & Rear Sight Assemblies		11/16/88	RW
	L) Iron Sight Alignment		11/16/88	RW
	M) Detach Front & Rear Sights & place in numbered container		11/16/88	RW
	N) Attach Scope to Rifle		11/29/88	WB
	O) Detach & Attach Scope 20 times		11/29/88	WB
640	Gallery Target & Test	66R 88L	11/30/88	A.C.
	A) Optical Clarity of Scope		11/30/88	JS
645	Inspect for Live Ammo		11/30/88	JS
655	Final Inspection			
	A) Headspace		1 Dec 88	JS
	B) Trigger Pull	2.22 2.25 2.30	2.28 2.25	JS
	C) Function		1 Dec 88	JS
	D) Assemble Swivel Studs		1 Dec 88	JS
660	Pack		15 Dec 88	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225571DATE 3 NOV 88TESTER J. A. + R. S.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.47	2.58	2.22	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.42	2.52	2.25	
PULL #3	2.53	2.48	2.50	2.30	
PULL #4	2.59	2.46	2.52	2.28	
PULL #5	2.57	2.46	2.52	2.25	
TOTAL	12.51	12.29	12.64	11.30	
AVG.	2.502	2.458	2.528	2.26	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.04	3.02		
PULL #2	3.11	2.97		
PULL #3	3.13	3.01		
PULL #4	3.13	3.05		
PULL #5	3.14	3.05		
TOTAL	15.55	15.00		
AVG.	3.11	3.00		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.04		4.17
PULL #2	4.05	3.94		4.15
PULL #3	4.06	4.07		4.12
PULL #4	4.05	4.08		4.12
PULL #5	4.07	4.06		4.11
TOTAL	20.35	20.19		20.67
AVG.	4.07	4.038		4.134

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-24911INITIAL
JJM

CUSTOMER ORDER NO.

M-24 SNIPER

DATE RECEIVED

08/29/94

DATE OPENED

08/30/94

DATE CODE

DI 9-88

SERIAL NUMBER

C6225571

NEW SERIAL NUMBER

MODEL AND GRADE

700 7.62

NATO

ACCESSORIES

SCOPE MNTS

SCOPE BASE

FROM:

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS

WA 98433

SHIP TO:

DEPT OF THE ARMY
B CO ARMS
2/75 RANGER BATTALION
FT LEWIS

WA

98433

CUST NO: 062072, C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

New Barrel

PARTS

COMMENTS

Barrel 96003
Mag Spring 15677Repowder Coat Trigger
Guard Assy, Front & Rear
Sight Bases
Rezinc Scope Base, Rings &
Swivel Studs

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 042400371702

BARBER - M24 0171004		PACKED BY <i>Mr. Ray Fuller</i> <i>WG-10 Bn. Armorer.</i>	1. NO. BOXES <i>1</i>	2a. REQUISITION NO. <i>94243</i>	
PACKING LIST				2b. ORDER NO.	
3. END ITEM <i>7.62mm M24 Sniper Weapons System (SW5)</i>			4. DATE <i>26 July 1994</i>		
			5. PAGE <i>1</i> OF <i>1</i> PAGES		
BOX NO.	CONTENTS - STOCK NUMBER AND NOMENCLATURE	UNIT OF ISSUE	QUANTITIES REQUIRED		
(a)	(b)	(c)	INITIAL OPERATION (d)	RUNNING SPARES (e)	TOTAL (f)
	<i>7.62mm M24 Sniper Weapon System (SW5) Serial No. C6225371</i> <i>NSN: 1005-01-240-2136</i> <u><i>Note: All Optic Scope</i></u> <i>Ring mounts packed</i>	<i>Ea</i>			<i>1</i>
6. THIS CERTIFIES THAT ITEMS LISTED HEREON ARE WITHIN THE SPECIFIED BOXES					
TYPED NAME AND TITLE			SIGNATURE		
<i>Ray Fuller WG-10 Bn Armorer</i>			<i>Ray Fuller</i>		

DD FORM 1 SEP 70 1750

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0171004 1703

MAINTENANCE REQUEST						PAGE NO 1	NO OF PAGES	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)		
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG										
SECTION I - EQUIPMENT DATA										
CONTROL NUMBER		WORK ORDER NO. 94243		WESDC		ORG. PD 02		PD AUTHENTICATION <i>[Signature]</i>		
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION Bn Arms HHC 275 Rgv. Rgd.		B. LOCATION Fort Lewis, Wa			C. UNIT IDENT CODE WH3MFA			
2. SERIAL NO. C6225571		3. NOUN NOMENCLATURE M245WS		4. LINE NO.		5. MODEL M24		6. NATIONAL STOCK NUMBER 1045-01-240-2136		
7A. MAINTENANCE ACTIVITY Remington Arms Co. Custom Shop		B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS
14. FAILURE DETECTED DURING (Select one - use ☒ or X) ☐ A Sch. Main. ☒ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☐ D Normal Op ☐ F Inspection ☐ H Other					15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X) ☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☐ 387 Low Performance ☒ Other					
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). This weapon has fired over 10,000 Rds. During Bench Rest Test Fired at 200/300 Yds, groups were shot exceeding the criteria of 2.6" at 200 & 3.8" at 300 Yds (5-105 Lot Group-) This criterion was provided us by Mr. Jim Glenn ARDCE OSN 880-7071										
B. REMARKS Request ReBarreling and Complete Weapons ReConditioning.										
SECTION II - WORK ACCOMPLISHED										
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X) ☐ 1 TOE ☐ 2 TD ☒ 3 Contractor		19. AMS ACCT CODE		
B. LOCATION										
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO. (1) CB CODE (2) REF DESIGN (3) MFR. CODE			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE	G. QTY.	H. PARTS COST	
					.				\$	
					.				\$	
					.				\$	
					.				\$	
					.				\$	
					.				\$	
					.				\$	
					.				\$	
					.				\$	
					.				\$	
					.				\$	
					.				\$	
					.				\$	
				I. TOTAL MANHOURS	J. TOTAL MANHOURS COST \$	K. TOTAL PARTS COST \$				
21. DELAY (Select One) ☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools				22. Data Transcribed						
23. SUBMITTED BY Ray Fulke		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		
JULIAN DATE 4235		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		
28. DISPOSITION (Select One) ☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged										

Final Inspection

Sr: C622557/ DATE REC'D: 8/29/94 DATE RET'D:

AUDITOR: RW

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: _____

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225571
15 Sep 1994

CENTROIDAL DISTANCES

0 TO 1	.584616
1 TO 2	.19906
1 TO 3	.947377
1 TO 4	.653416
1 TO 5	.765622

21
4
3

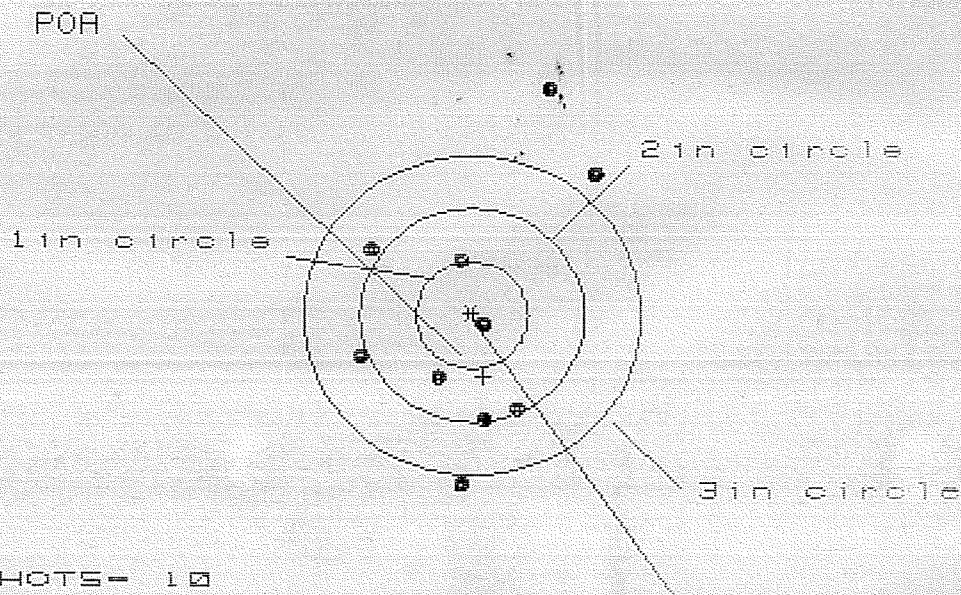
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0704
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0806
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .107016
THE AMR FOR THIS RIFLE IS: 1.044

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C8225571

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 2.097

VS= 3.709

GS= 3.792

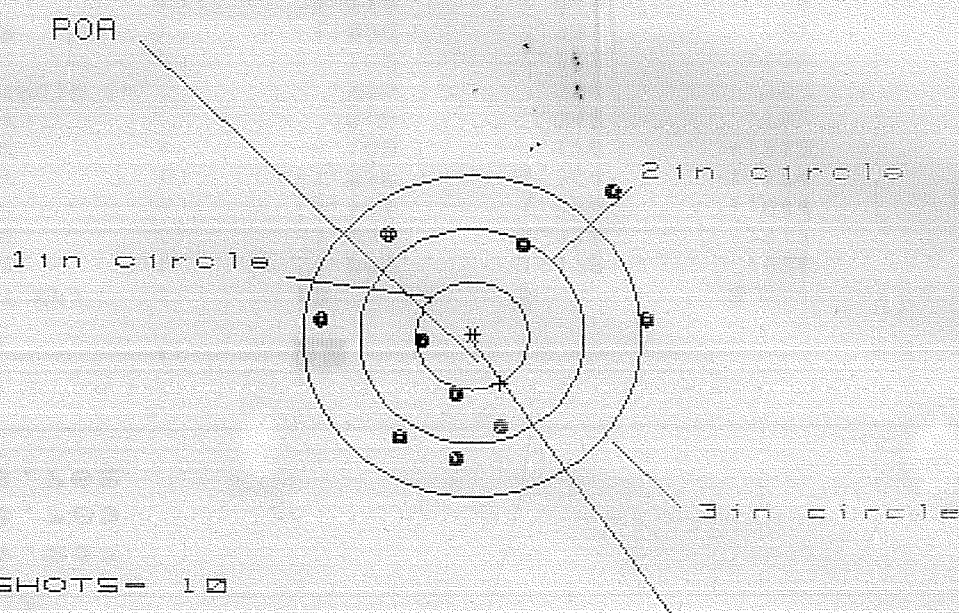
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.062	1.138	.626
MINIMUM X	:	-1.035	-.959	-.817
MAXIMUM Y	:	2.111	1.520	1.044
MINIMUM Y	:	-1.598	-1.364	-1.174
CENTROID X	:	-.100	-.176	-.318
CENTROID Y	:	.576	.342	.152
POA TO CENTROID in.	:	.585	.384	.353
MIN RADIUS	:	.182	.252	.198
MEAN RADIUS	:	1.096	.931	.781
MAX RADIUS	:	2.219	1.899	1.229
HORIZONTAL SPREAD	:	2.097	2.097	1.443
VERTICAL SPREAD	:	3.709	2.884	2.218
EXTREME SPREAD	:	3.792	3.111	2.345
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225571

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.823

VS= 2.496

GS= 3.023

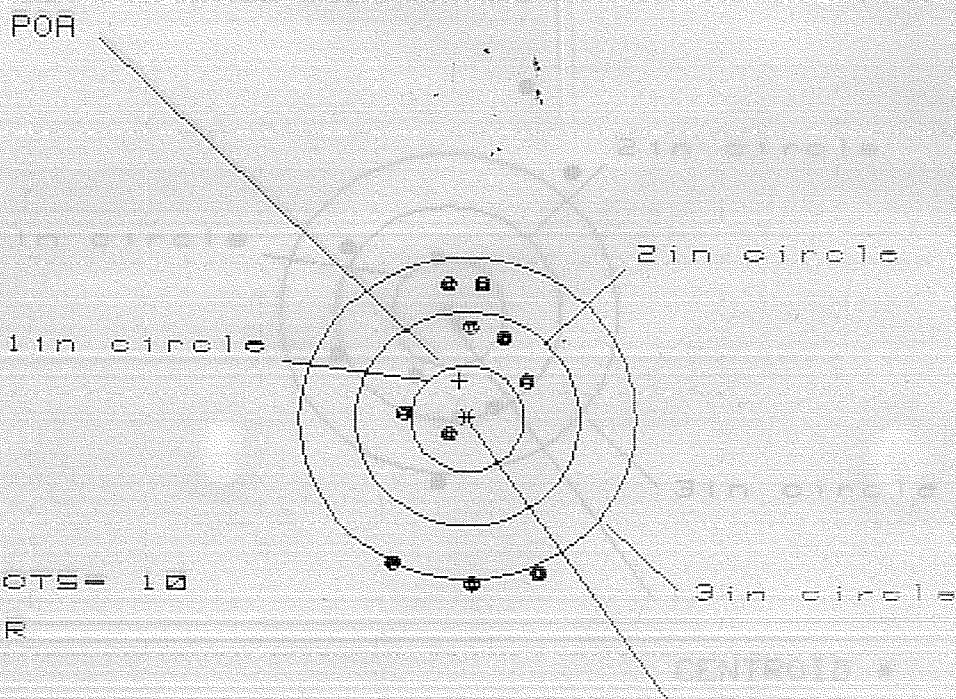
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.513	1.657	.836
MINIMUM X	:	-1.310	-1.166	-.959
MAXIMUM Y	:	1.332	1.129	1.166
MINIMUM Y	:	-1.164	-1.016	-.979
CENTROID X	:	-.249	-.393	-.600
CENTROID Y	:	.444	.296	.259
POA TO CENTROID in.	:	.509	.492	.653
MIN RADIUS	:	.408	.297	.180
MEAN RADIUS	:	1.113	.983	.863
MAX RADIUS	:	1.855	1.682	1.323
HORIZONTAL SPREAD	:	2.823	2.823	1.795
VERTICAL SPREAD	:	2.496	2.145	2.145
EXTREME SPREAD	:	3.023	2.823	2.233
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225571

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 1.290

VS= 2.795

GS= 2.805

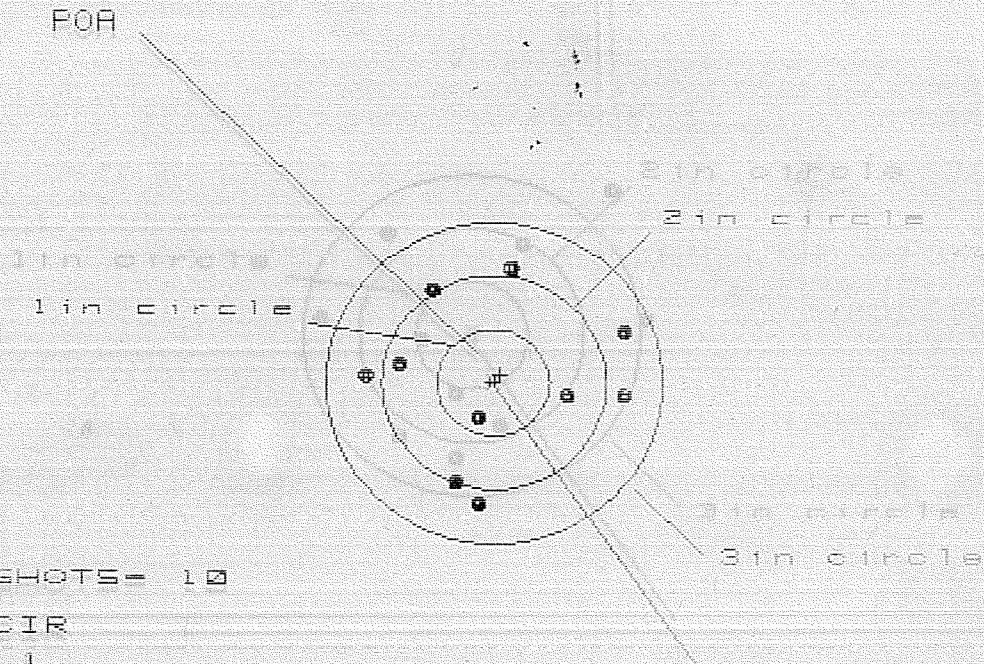
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.589	.637	.558
MINIMUM X	:	-.701	-.636	-.617
MAXIMUM Y	:	1.279	1.114	.925
MINIMUM Y	:	-1.516	-1.681	-1.870
CENTROID X	:	.070	.005	.084
CENTROID Y	:	-.356	-.191	-.002
POA TO CENTROID in.	:	.363	.191	.084
MIN RADIUS	:	.223	.309	.460
MEAN RADIUS	:	1.028	.933	.801
MAX RADIUS	:	1.597	1.687	1.871
HORIZONTAL SPREAD	:	1.290	1.273	1.175
VERTICAL SPREAD	:	2.795	2.795	2.795
EXTREME SPREAD	:	2.805	2.795	2.795
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

15 Sep 1934

FILE:/PAT/TERMINING/CENTERFIRE_PATT/06225571

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS = 2.259

VS = 2.183

GS = 2.279

CENTROID #

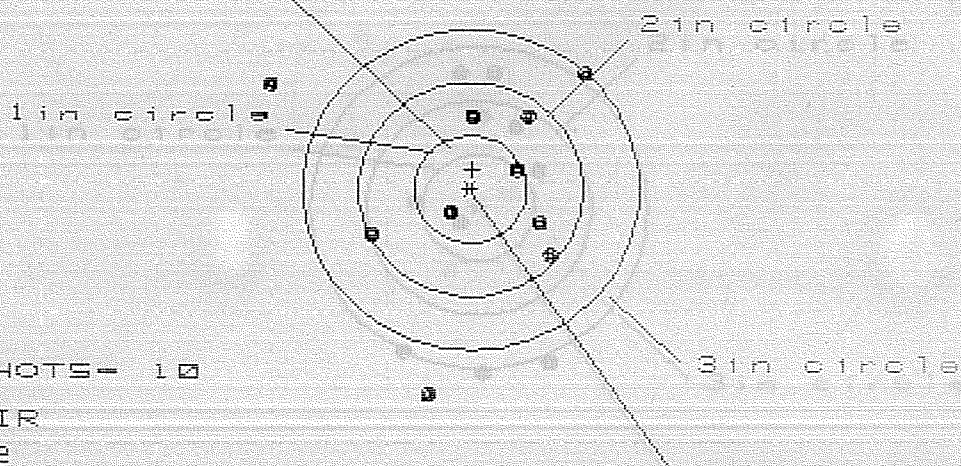
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.120	1.244	1.241
MINIMUM X	:	-1.139	-1.015	-1.018
MAXIMUM Y	:	1.044	1.094	1.958
MINIMUM Y	:	-1.139	-1.089	-1.020
CENTROID X	:	-.057	-.181	-.178
CENTROID Y	:	-.076	-.126	.010
POA TO CENTROID in.	:	.095	.220	.178
MIN RADIUS	:	.391	.311	.447
MEAN RADIUS	:	.965	.923	.903
MAX RADIUS	:	1.203	1.249	1.267
HORIZONTAL SPREAD	:	2.259	2.259	2.259
VERTICAL SPREAD	:	2.183	2.183	1.978
EXTREME SPREAD	:	2.279	2.276	2.276
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	10		

15 Sep 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225571

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.744

VS= 2.988

GS= 3.295

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.994	.799	.725
MINIMUM X	:	-1.750	-1.043	-1.117
MAXIMUM Y	:	1.090	1.197	.973
MINIMUM Y	:	-1.898	-1.791	-.739
CENTROID X	:	-.016	.179	.253
CENTROID Y	:	-.185	-.292	-.068
POA TO CENTROID in.	:	.186	.342	.262
MIN RADIUS	:	.328	.303	.164
MEAN RADIUS	:	1.019	.882	.718
MAX RADIUS	:	1.998	1.886	1.255
HORIZONTAL SPREAD	:	2.744	1.842	1.842
VERTICAL SPREAD	:	2.988	2.988	1.712
EXTREME SPREAD	:	3.295	3.295	2.404
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

New Barrel

GUN SERIAL # C6225571

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		9/1/94	RW
600	Proof		9/1/94	RW
607	Check Headspace		9/1/94	RW
610	Dis-assemble Gun		9/1/94	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/13/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/13/94	RW
	C) Inspect Ejector Hole for Chamfer		9/13/94	RW
	D) Oil Firing Pin Ass'y		9/13/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/13/94	RW

op. #	OP. NAME BARBER M24 0171674	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						9/13 OK	WB
	A) Time						9/13	WB
	B) Malfunctions						9/13 OK	WB
	C) Pierced Primers						9/13 OK	WB
	D) Optical Clarity of Scope						9/13 OK	WB
645	Inspect for Live Ammo						9/13/94	Rw
655	Final Inspection							
	A) Headspace						9/14/94	Rw
	B) Trigger Pull	2.60	2.55	2.57	2.55	2.52	9/14/94	Rw
	C) Function						9/14/94	Rw
660	Pack							