

C6349027

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



06/17/08 10:48:30

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: RE00146500

Serial: C6349027 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 6/17/2008 9:51:14 AM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DEF DIST DEPOT DEF DIST DEPOT

Address 1: 7 FRANKFORD AVE BLDG 362 7 FRANKFORD AVE BLDG 362

Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 36201 Country: US State: AL Zip Code: 36201 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
A045	Bi Pod	1
D000	FRT & REAR SGT BA	1

Repair Search

Refresh

Close

nagletj

6/17/2008

10:48 AM

CAPS

NUM

INS

SCRL

start

10 M

My ...

4 M

Par...

Ar...

Cre...

My...

10:48 AM

Number: C6349027

Model: M24 SWS



RE00146500

M-24

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER

146500

SERIAL NUMBER

C6349027

LOG-IN DATE

6-17-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-9-09	RJZ
505	RE-BARREL	9-11-09	RTZ
420	ASSEMBLE	9-11-09	RTZ
440	PROOF	9-11-09	SPD
460	CHECK HEADSPACE	9-11-09	SPD
470	DIS-ASSEMBLE GUN	9-11-09	SPD
480	MAGNAFLUX	9/17/09	SP
510	DRILL AND TAP	9-14-09	SP
500	ROLLMARK CALIBER	9/17/09	SP
520	GOFF BLAST BBL / REC	9/17/09	SP
530 & 540	APPLY COATINGS	9/18	SP
560	FINAL ASSEMBLY	9-24-09	RTZ
640	FUNCTION TEST AND	9-29-09	SPD
650	TARGET	9-29-09	SPD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-29-09	RP
	A) HEADSPACE	9/30/09	RP
	B) TRIGGER PULL	2.48 2.56 2.59 2.49 2.53 9-30-09	TE
680	F) SAFETY ON FORCE	2.9 2.9 2.9 9/30/09	RP
	G) SAFETY OFF FORCE	6.9 6.9 6.9	
	I) FIRING PIN INDENT	.023 .024 .025	
690	PACK	10/9/09	Fm

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349027.___0
FILE DATE AND TIME: 09/30/2009 07:25

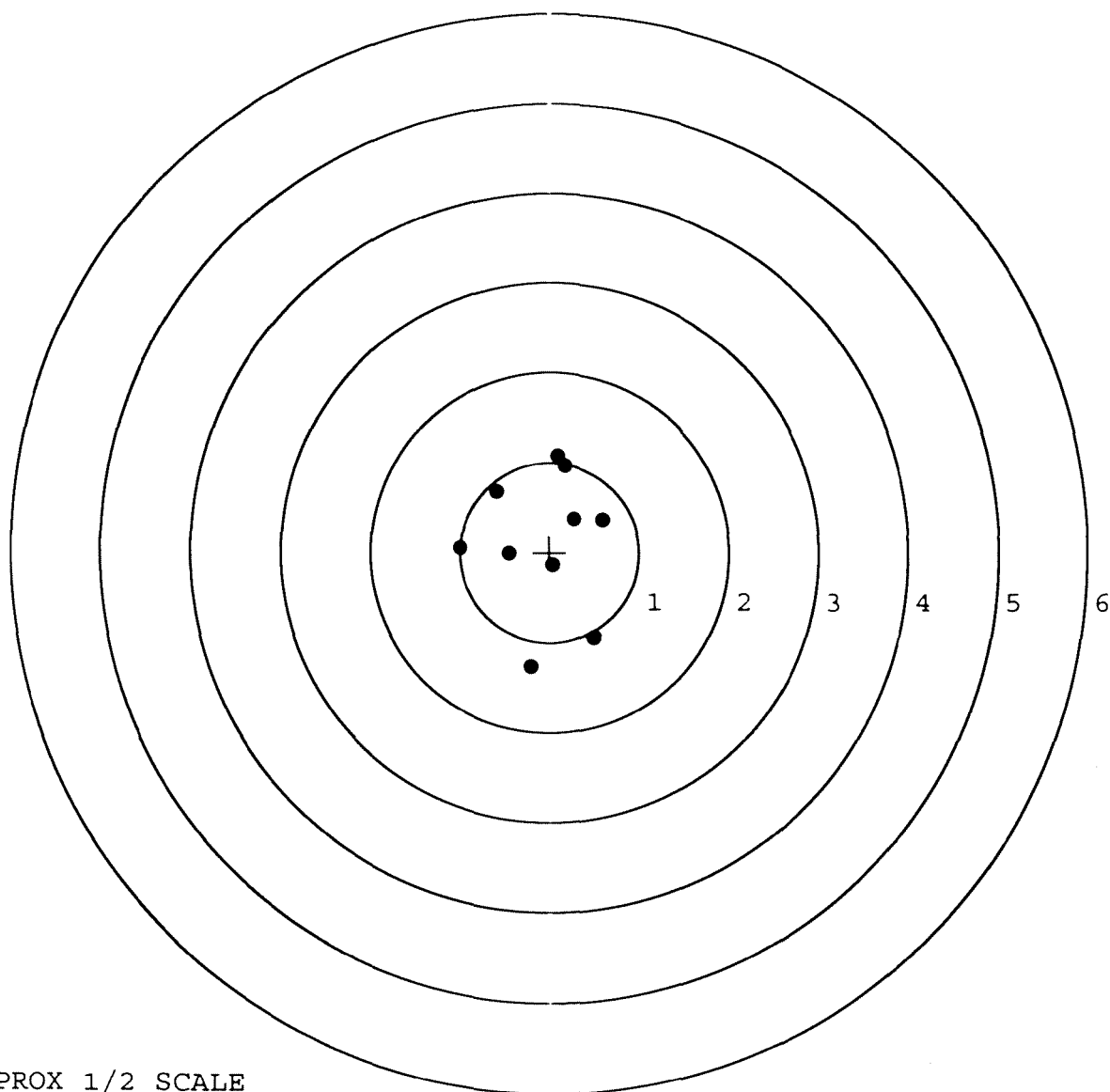
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.077
The Average Y Centroid of the Five Target Set:	0.096
The Average Point of Impact of the Five Target Set:	0.123
The Average Mean Radius of the Five Target Set:	0.713
The Distance from POA to Centroid Target #1:	0.127
The Distance from Centroid Target #2 to Centroid Target #1:	0.172
The Distance from Centroid Target #3 to Centroid Target #1:	0.075
The Distance from Centroid Target #4 to Centroid Target #1:	0.122
The Distance from Centroid Target #5 to Centroid Target #1:	0.143

SERIAL NUMBER: C6349027. __0
TARGET NUMBER: 1
FILE DATE: 09/30/2009
FILE TIME: 07:25

POINT#	X	Y
1:	-0.209	-1.267
2:	0.501	-0.948
3:	0.595	0.364
4:	-0.587	0.680
5:	0.175	0.966
6:	0.097	1.072
7:	-0.998	0.055
8:	-0.450	-0.009
9:	0.036	-0.141
10:	0.277	0.367

X CENTROID: -0.056
Y CENTROID: 0.114
POA TO CENTROID: 0.127
HORZ SPREAD: 1.593
VERT SPREAD: 2.339
GROUP SPREAD: 2.359
MIN RADIUS: 0.271
MAX RADIUS: 1.389
MEAN RADIUS: 0.796
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

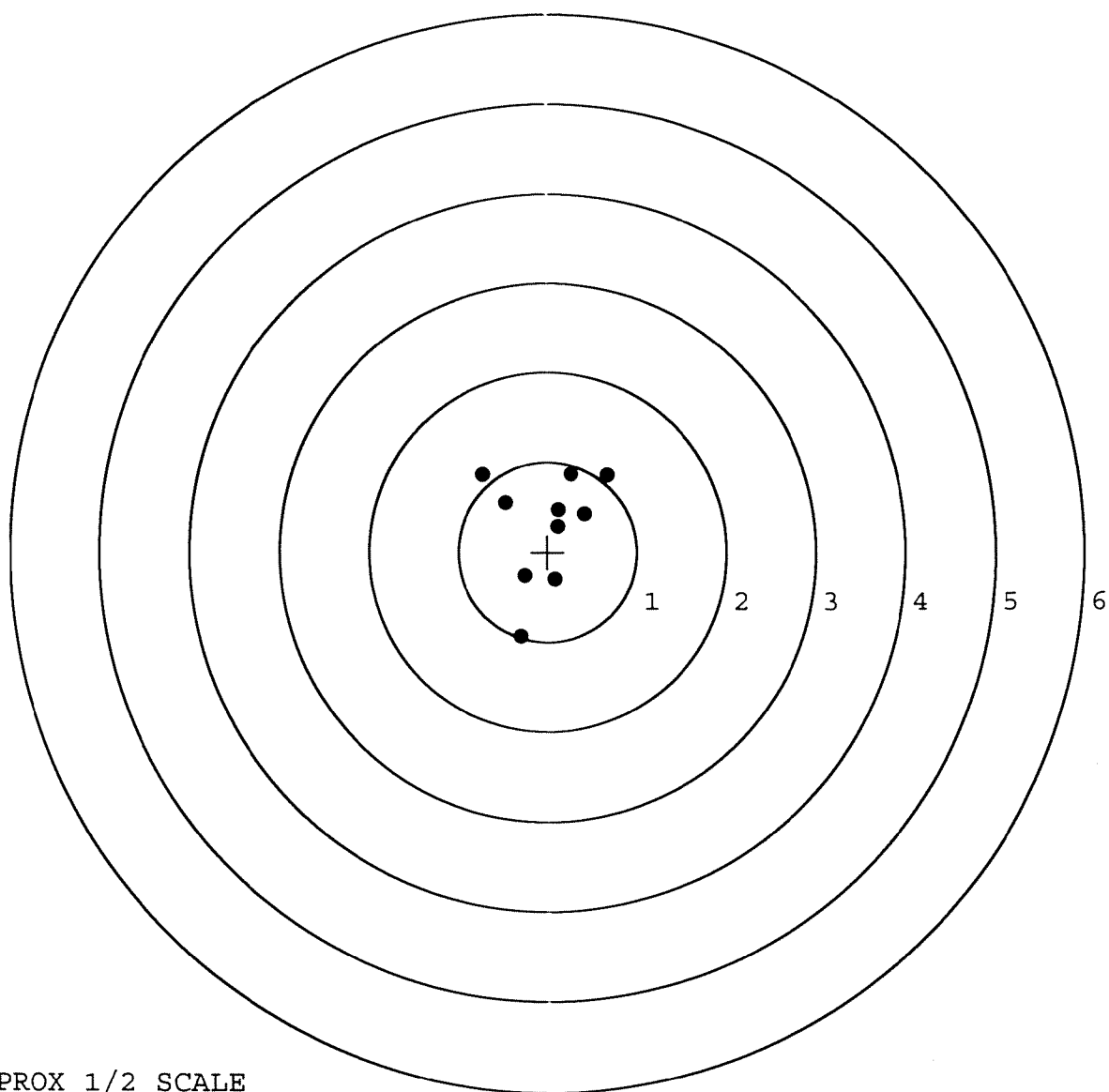


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349027. 0
TARGET NUMBER: 2
FILE DATE: 09/30/2009
FILE TIME: 07:25

X CENTROID: -0.006
Y CENTROID: 0.278
POA TO CENTROID: 0.279
HORZ SPREAD: 1.406
VERT SPREAD: 1.812
GROUP SPREAD: 2.043
MIN RADIUS: 0.122
MAX RADIUS: 1.259
MEAN RADIUS: 0.625
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.300	-0.946
2:	-0.726	0.861
3:	0.269	0.866
4:	-0.470	0.550
5:	-0.254	-0.264
6:	0.680	0.847
7:	0.124	0.468
8:	0.421	0.422
9:	0.085	-0.304
10:	0.116	0.285

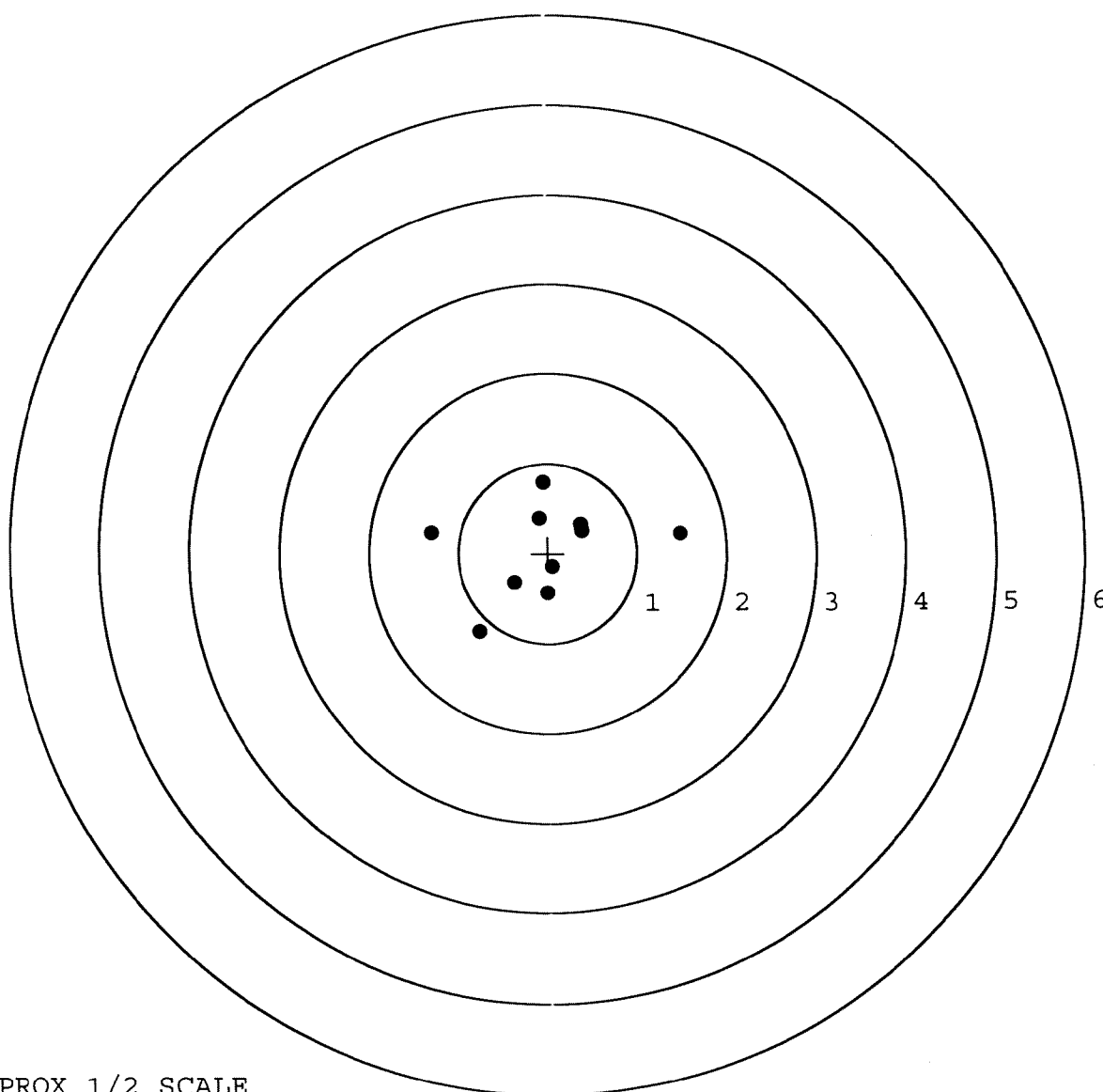


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349027. __0
TARGET NUMBER: 3
FILE DATE: 09/30/2009
FILE TIME: 07:25

X CENTROID: -0.030
Y CENTROID: 0.043
POA TO CENTROID: 0.053
HORZ SPREAD: 2.784
VERT SPREAD: 1.651
GROUP SPREAD: 2.784
MIN RADIUS: 0.210
MAX RADIUS: 1.524
MEAN RADIUS: 0.724
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.484	0.218
2:	-0.049	0.789
3:	-1.300	0.243
4:	-0.767	-0.862
5:	-0.098	0.393
6:	-0.376	-0.324
7:	0.391	0.253
8:	0.374	0.320
9:	0.049	-0.151
10:	-0.011	-0.446

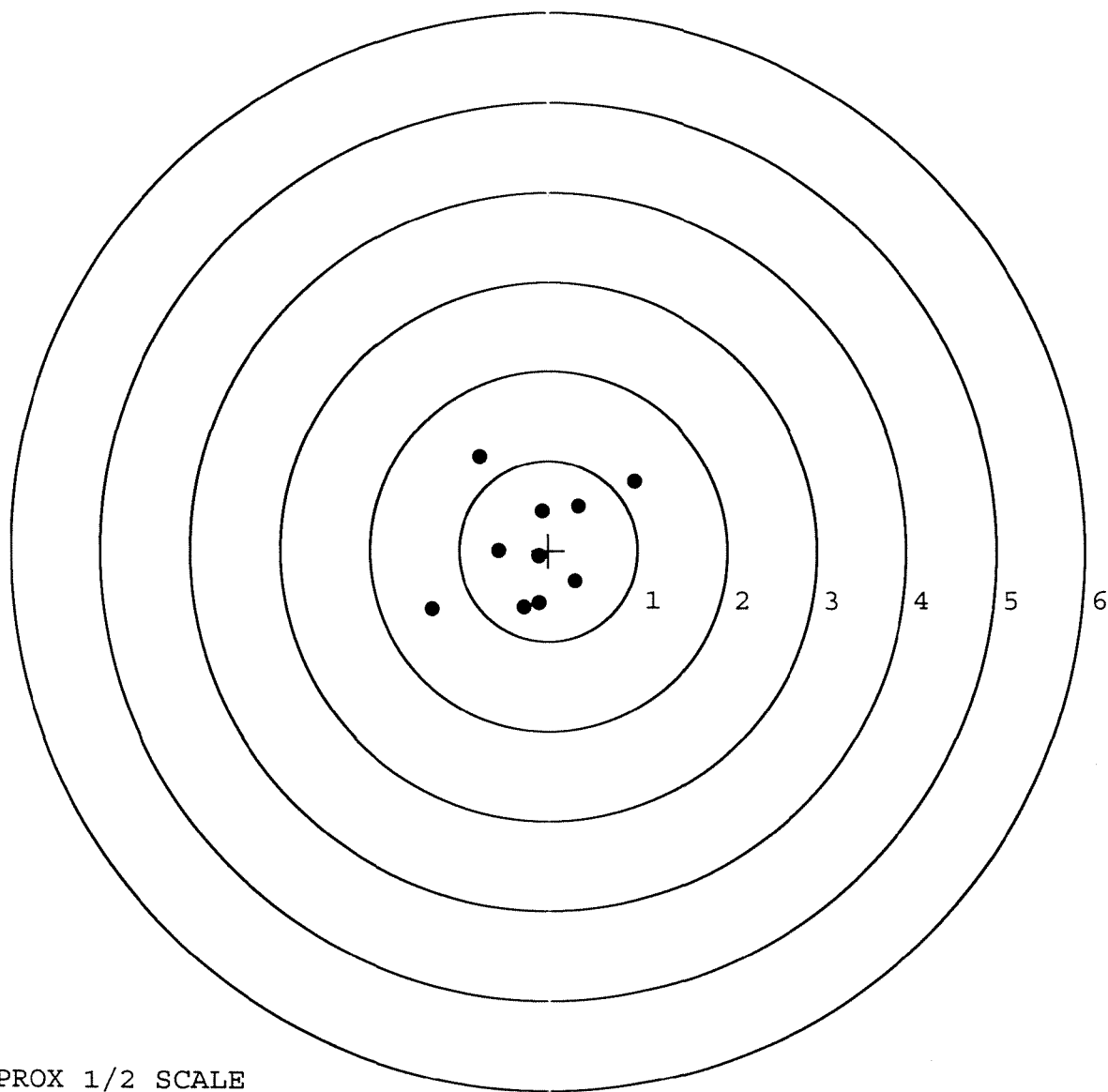


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349027. __0
TARGET NUMBER: 4
FILE DATE: 09/30/2009
FILE TIME: 07:25

POINT#	X	Y
1:	-1.311	-0.642
2:	-0.765	1.047
3:	0.971	0.763
4:	0.341	0.493
5:	0.304	-0.337
6:	-0.560	-0.006
7:	-0.068	0.437
8:	-0.277	-0.631
9:	-0.113	-0.585
10:	-0.107	-0.066

X CENTROID: -0.158
Y CENTROID: 0.047
POA TO CENTROID: 0.165
HORZ SPREAD: 2.282
VERT SPREAD: 1.689
GROUP SPREAD: 2.680
MIN RADIUS: 0.124
MAX RADIUS: 1.343
MEAN RADIUS: 0.737
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

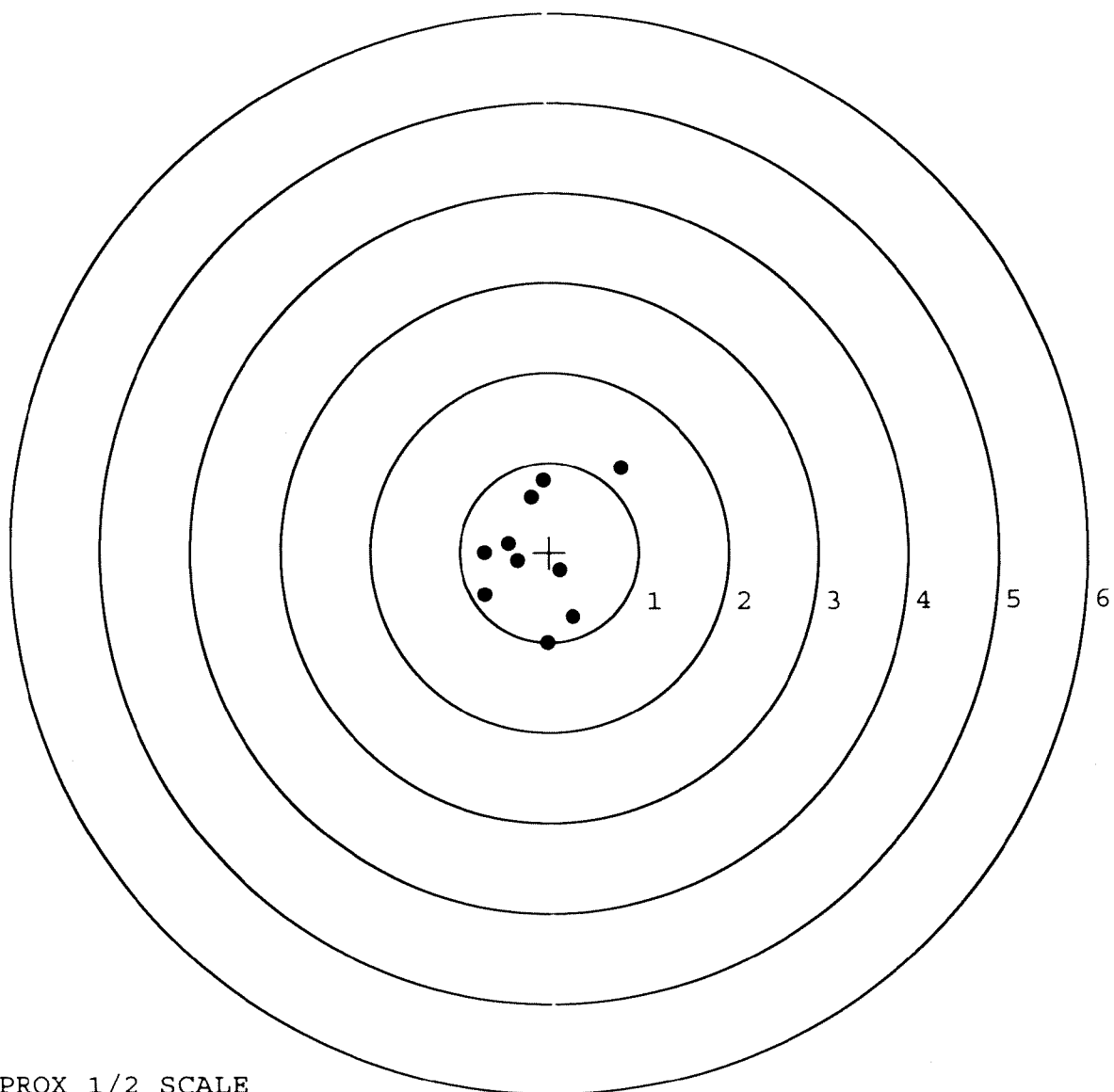


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349027. __0
TARGET NUMBER: 5
FILE DATE: 09/30/2009
FILE TIME: 07:25

X CENTROID: -0.136
Y CENTROID: -0.004
POA TO CENTROID: 0.136
HORZ SPREAD: 1.538
VERT SPREAD: 1.949
GROUP SPREAD: 2.124
MIN RADIUS: 0.239
MAX RADIUS: 1.336
MEAN RADIUS: 0.684
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.033	-1.012
2:	0.266	-0.721
3:	0.812	0.937
4:	-0.063	0.801
5:	-0.197	0.618
6:	0.114	-0.201
7:	-0.721	-0.469
8:	-0.726	-0.001
9:	-0.456	0.102
10:	-0.357	-0.096



TARGET APPROX 1/2 SCALE

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: **RE00092677** Serial: C6349027 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 2/8/2005 7:42:04 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 362014199 Country: US State: AL Zip Code: 362014199 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Good

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

Repair Search Refresh Close

start 3 4

maglet 2/8/2005 9:44 AM CAPS NUM INS SCPL

Serial Number: **C6349027**

Model: **M24 SWS**



RE00092677

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349027.___0
FILE DATE AND TIME: 03/14/2005 09:23

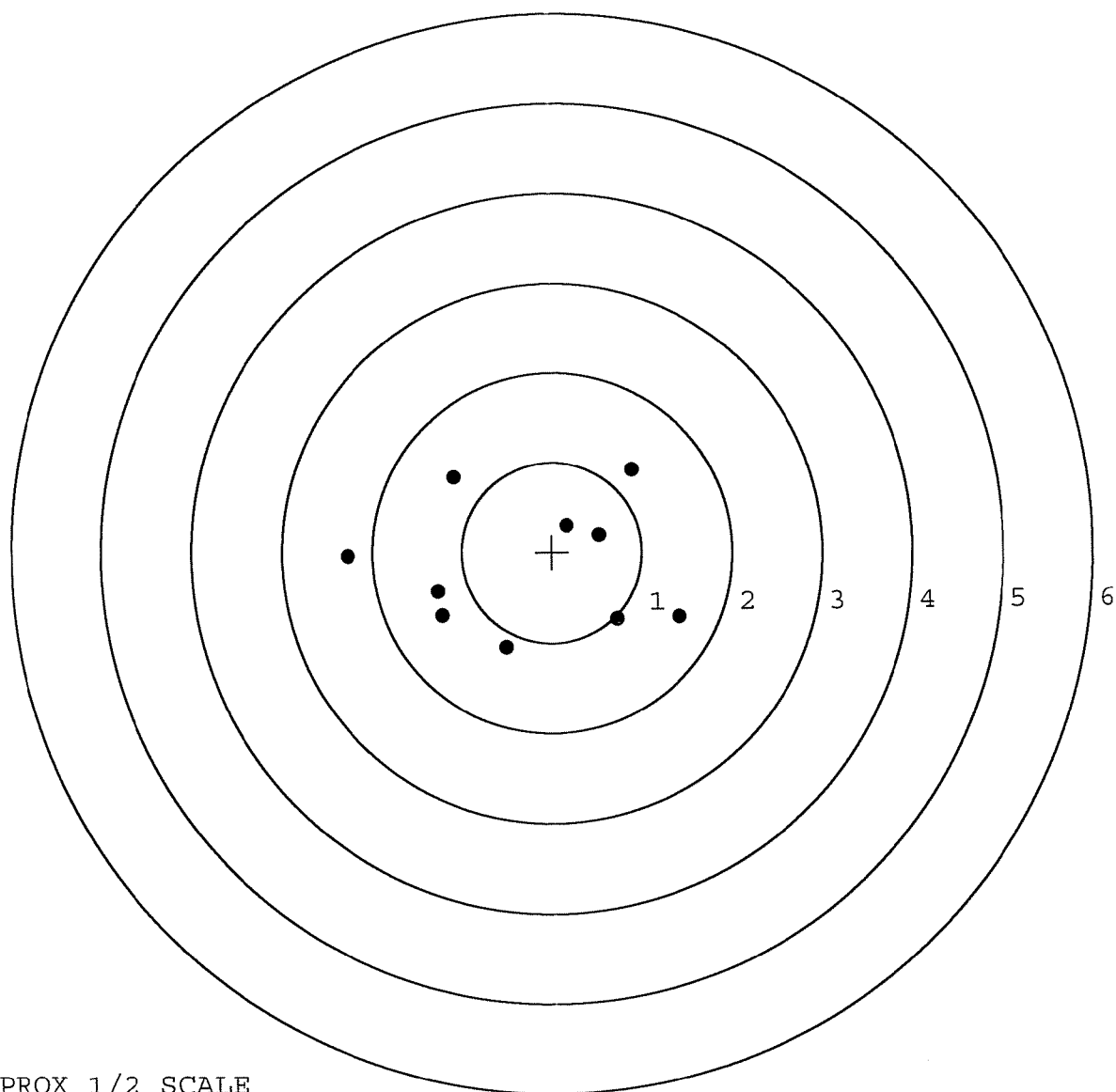
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.103
The Average Y Centroid of the Five Target Set:	-0.085
The Average Point of Impact of the Five Target Set:	0.133
The Average Mean Radius of the Five Target Set:	0.967
The Distance from POA to Centroid Target #1:	0.303
The Distance from Centroid Target #2 to Centroid Target #1:	0.297
The Distance from Centroid Target #3 to Centroid Target #1:	0.301
The Distance from Centroid Target #4 to Centroid Target #1:	0.072
The Distance from Centroid Target #5 to Centroid Target #1:	0.215

SERIAL NUMBER: C6349027. __0
 TARGET NUMBER: 1
 FILE DATE: 03/14/2005
 FILE TIME: 09:23

X CENTROID: -0.266
 Y CENTROID: -0.144
 POA TO CENTROID: 0.303
 HORZ SPREAD: 3.686
 VERT SPREAD: 1.959
 GROUP SPREAD: 3.751
 MIN RADIUS: 0.615
 MAX RADIUS: 2.014
 MEAN RADIUS: 1.236
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 3
 # in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.721	-0.746
2:	1.409	-0.723
3:	0.528	0.180
4:	0.171	0.289
5:	0.894	0.911
6:	-0.516	-1.048
7:	-1.227	-0.692
8:	-1.277	-0.423
9:	-1.088	0.843
10:	-2.277	-0.029

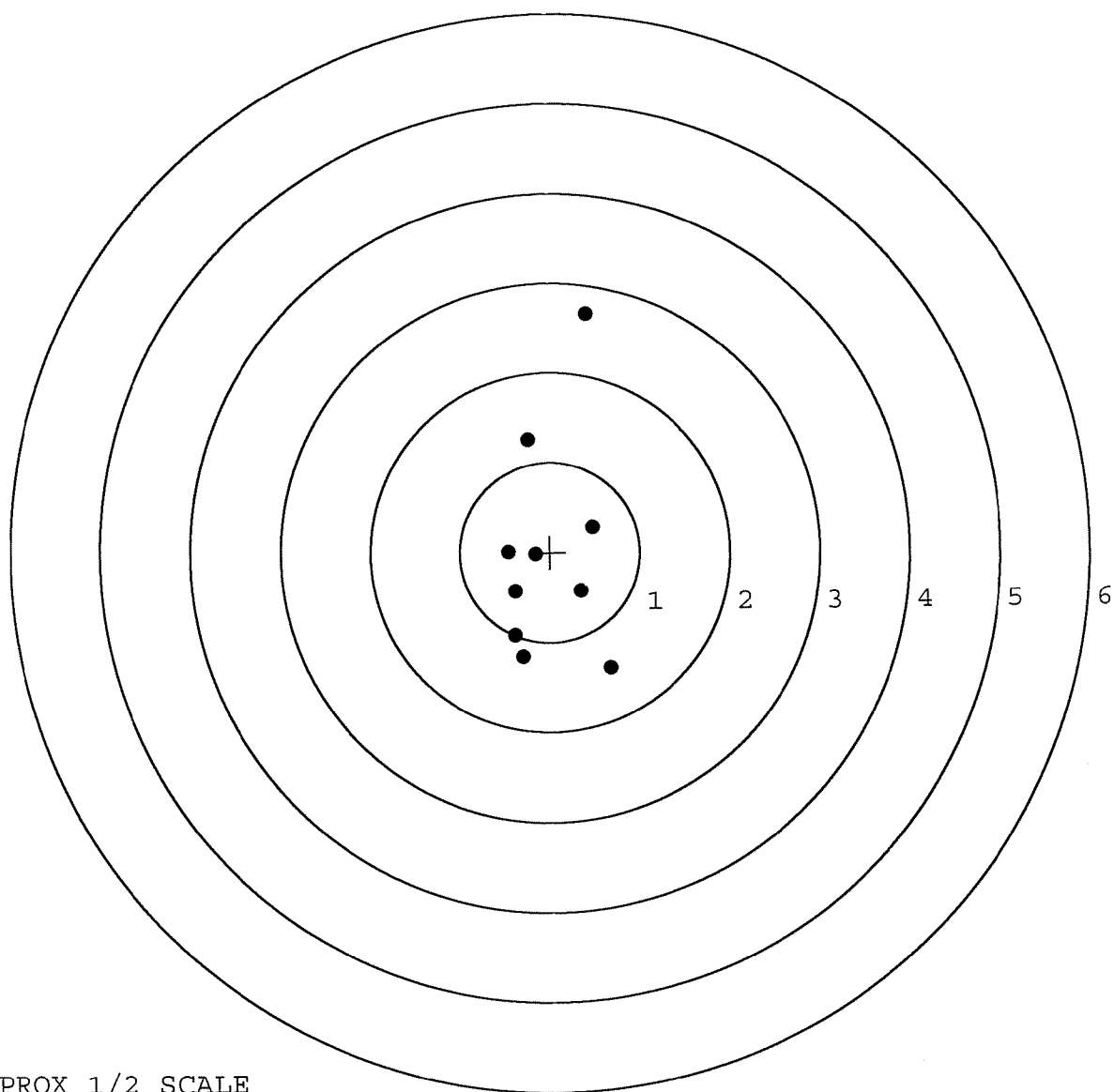


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349027. __0
 TARGET NUMBER: 2
 FILE DATE: 03/14/2005
 FILE TIME: 09:23

X CENTROID: -0.002
 Y CENTROID: -0.009
 POA TO CENTROID: 0.009
 HORZ SPREAD: 1.129
 VERT SPREAD: 3.939
 GROUP SPREAD: 3.946
 MIN RADIUS: 0.160
 MAX RADIUS: 2.691
 MEAN RADIUS: 0.993
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.669	-1.292
2:	-0.311	-1.164
3:	-0.396	-0.924
4:	-0.388	-0.435
5:	-0.460	0.011
6:	0.349	-0.436
7:	0.486	0.279
8:	-0.236	1.252
9:	0.430	2.647
10:	-0.161	-0.026

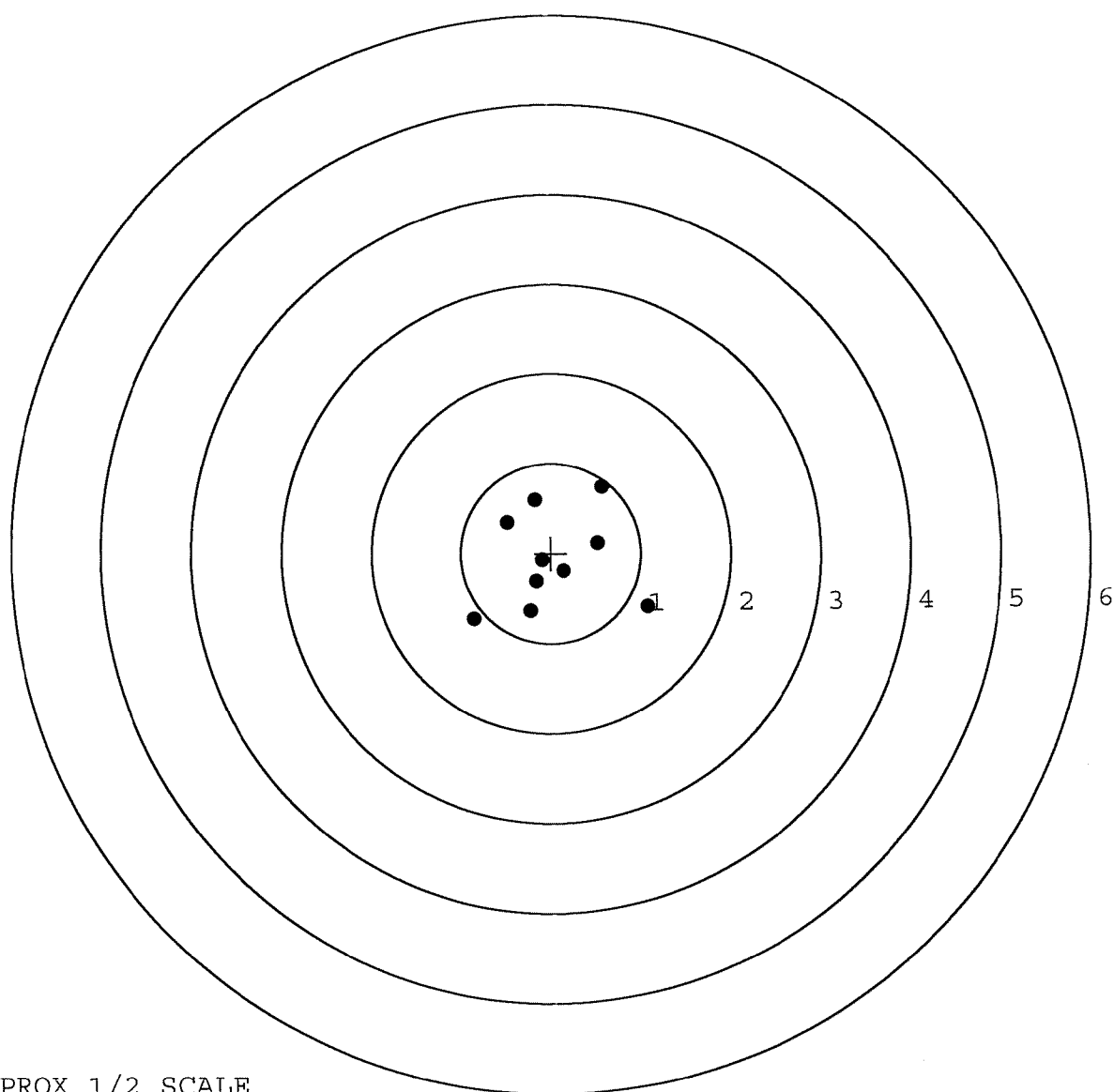


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349027.___0
TARGET NUMBER: 3
FILE DATE: 03/14/2005
FILE TIME: 09:23

X CENTROID: 0.027
Y CENTROID: -0.078
POA TO CENTROID: 0.083
HORZ SPREAD: 1.927
VERT SPREAD: 1.452
GROUP SPREAD: 1.931
MIN RADIUS: 0.133
MAX RADIUS: 1.165
MEAN RADIUS: 0.636
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.067	-0.605
2:	0.525	0.112
3:	0.579	0.729
4:	-0.179	0.590
5:	-0.486	0.342
6:	-0.106	-0.079
7:	0.140	-0.194
8:	-0.173	-0.313
9:	-0.234	-0.643
10:	-0.860	-0.723

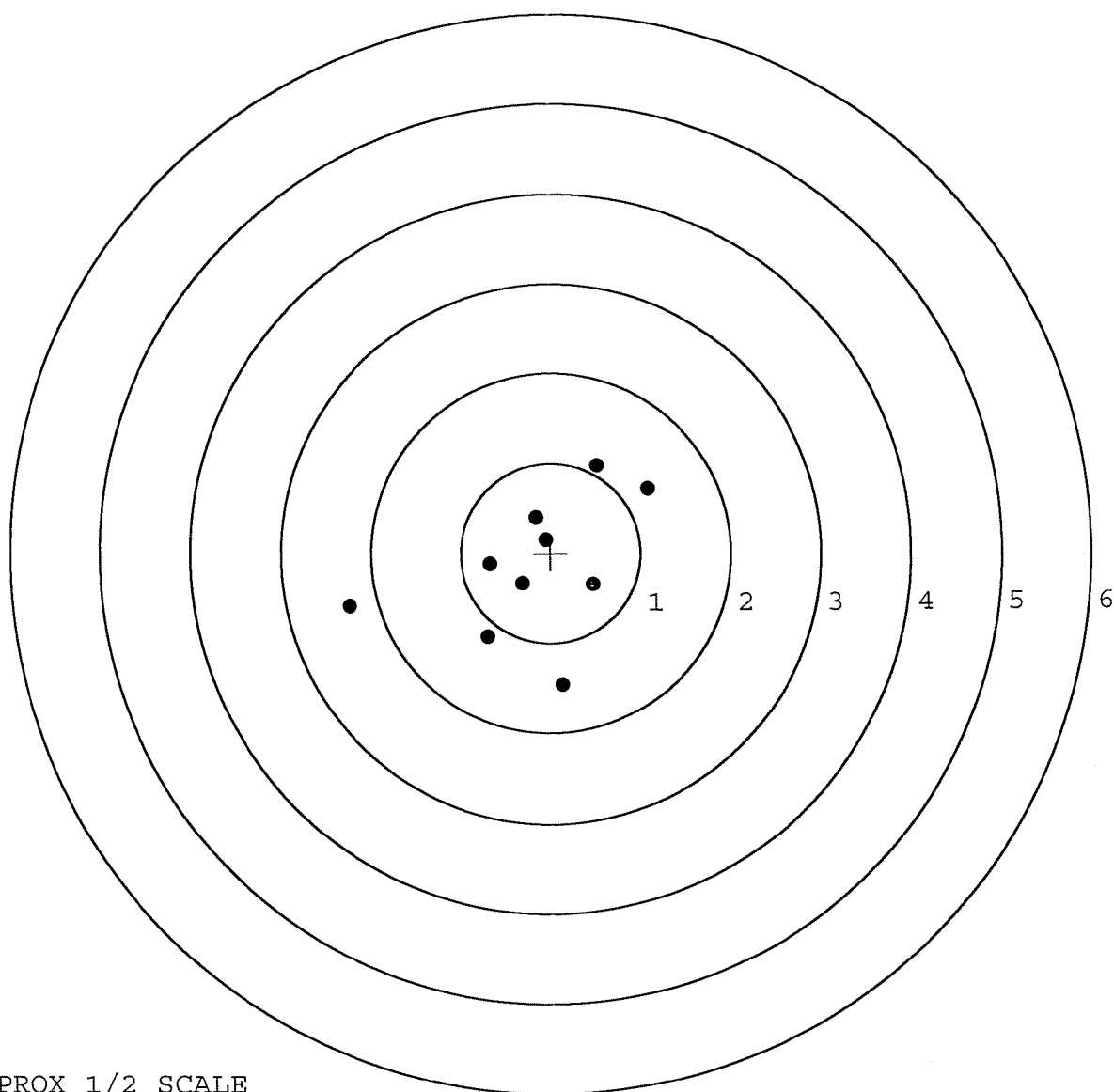


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349027. __0
TARGET NUMBER: 4
FILE DATE: 03/14/2005
FILE TIME: 09:23

X CENTROID: -0.195
Y CENTROID: -0.155
POA TO CENTROID: 0.249
HORZ SPREAD: 3.322
VERT SPREAD: 2.438
GROUP SPREAD: 3.564
MIN RADIUS: 0.220
MAX RADIUS: 2.090
MEAN RADIUS: 0.954
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.081	0.712
2:	0.521	0.971
3:	0.479	-0.347
4:	0.128	-1.467
5:	-0.705	-0.933
6:	-2.241	-0.580
7:	-0.315	-0.339
8:	-0.674	-0.116
9:	-0.058	0.148
10:	-0.163	0.398



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349027. __0

TARGET NUMBER: 5

FILE DATE: 03/14/2005

FILE TIME: 09:23

X CENTROID: -0.079

Y CENTROID: -0.039

POA TO CENTROID: 0.088

HORZ SPREAD: 2.716

VERT SPREAD: 2.033

GROUP SPREAD: 2.723

MIN RADIUS: 0.364

MAX RADIUS: 1.766

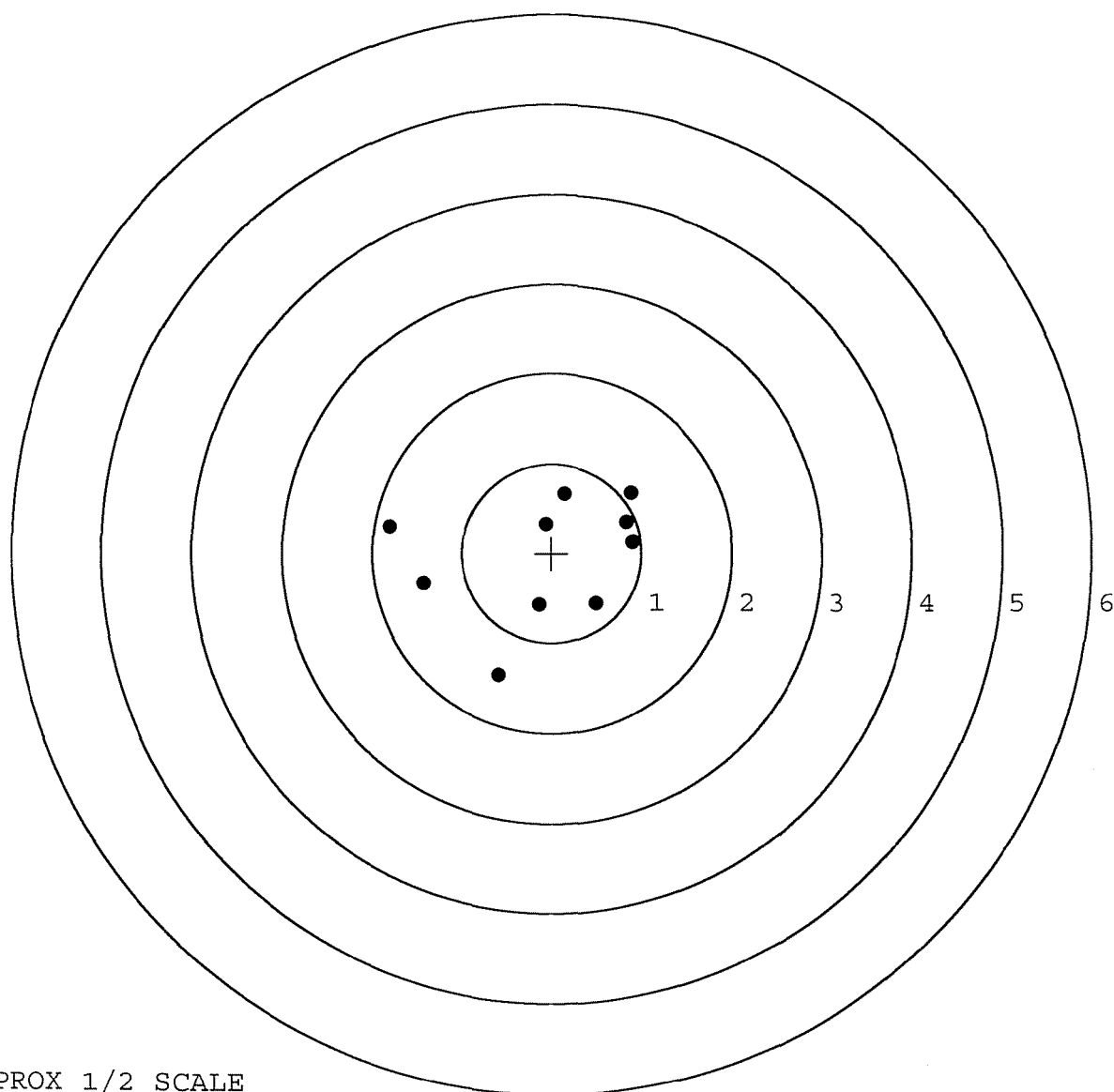
MEAN RADIUS: 1.018

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.498	-0.561
2:	-0.146	-0.584
3:	-0.590	-1.356
4:	-1.429	-0.336
5:	-1.812	0.302
6:	-0.069	0.325
7:	0.140	0.665
8:	0.904	0.128
9:	0.830	0.350
10:	0.885	0.677



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	92677		
SERIAL NUMBER	C 6349027		
LOG-IN DATE	2-8-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-14-05	RTZ
560 A	RE-BARREL	2-16-05	RTZ
B	DRILL AND TAP	2-17-05	TRW
575	ASSEMBLE	2-16-05	RTZ
600	PROOF	2-17-05	MAGNA-FLUX INSPECTED
605	CHECK HEADSPACE	2-17-05	RTZ
610	DIS-ASSEMBLE GUN	2-17-05	RTZ
612	MAGNAFLUX		OPERATOR
615	ROLLMARK CALIBER	2-18-05	CW
618	ROTO-BLAST	2-18-05	CB
620	APPLY COATINGS	3-1-05	HP
625 A	FINAL ASSEMBLY	3-8-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	3-14-05	AC
D	SAFETY "OFF" FORCE	3-14-05	AC
E	FIRING PIN INDENT	3-14-05	AC
640	TARGET	3-14-05	AC
655	FINAL INSPECT	3-14-05	AC
660	PACK	3-15-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington
MODEL 700™ H24

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

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

SERIAL NO.
C6349027

ORDER NO.
5716

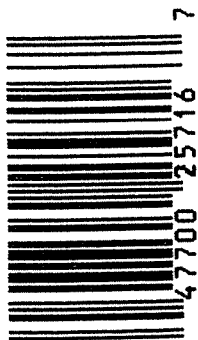
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6349027

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349027

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12-20 89		RW
600	Proof	12-20 89		A
607	Check Headspace	12-20 89		A
610	Dis-assemble Gun	12-20 89		RW
612	Magnaflux Barrel Action	1-5-90		KCR
	Magnaflux Bolt	1-5-90		
615	Rollmark Caliber		1/5/90	JS
617	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel RB		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/17/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/17/90	RW
	C) Inspect Ejector Hole for Chamfer		1/17/90	RW
	D) Oil Firing Pin Ass'y		1/17/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		23 Jan 90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1-23-90	JH
	G) Safety Off Force	3	3	3			1-23-90	JH
	H) Trigger Pull Test & Retainability						23/1/90	LS
	I) Firing Pin Indent	.022	.023	.0225			1-23-90	JH
	J) Assemble Stock						1/23/90	RW
	K) Assemble Swivel Studs						3/12/90	WB
	L) Attach Front and Rear Sight Assemblies						1/26/90	RW
	M) Iron Sight Alignment						1/26/90	RW
	N) Detach Front & Rear Sights & place in numbered container						1/26/90	RW
	O) Attach Scope to Rifle						3/6/90	WB
	P) Detach & Attach Scope 20 Times						3/6/90	WB
640	Gallery Target & Test						3-6-90	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						3-6-90	A
655	Final Inspection						3/12/90	WB
	A) Headspace							
	B) Trigger Pull	2.51	2.45	2.48	2.40	2.39	3/12/90	G.S
	C) Function						3/12/90	WB
660	Pack						20/1/90	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6349027
DATE 22 Jan 98
TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.52	2.25	2.51	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.16	2.48	2.19	2.45	
PULL #3	2.15	2.45	2.13	2.48	
PULL #4	2.12	2.35	2.15	2.40	
PULL #5	2.05	2.32	2.16	2.39	
TOTAL	11.04	12.12	10.88		
AVG.	2.208	2.424	2.176		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.13	3.10		
PULL #2	3.06	2.92		
PULL #3	3.11	3.09		
PULL #4	2.91	3.11		
PULL #5	3.04	3.10		
TOTAL	15.25	15.32		
AVG.	3.05	3.064		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.05		3.98
PULL #2	4.12	3.99		4.14
PULL #3	4.09	4.09		4.12
PULL #4	4.12	3.84		4.15
PULL #5	4.09	4.07		4.12
TOTAL	20.60	20.04		20.51
AVG.	4.12	4.008		4.102

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349027
8 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.218577
1 TO	2	.298397
1 TO	3	.346001
1 TO	4	.355816
1 TO	5	.500618

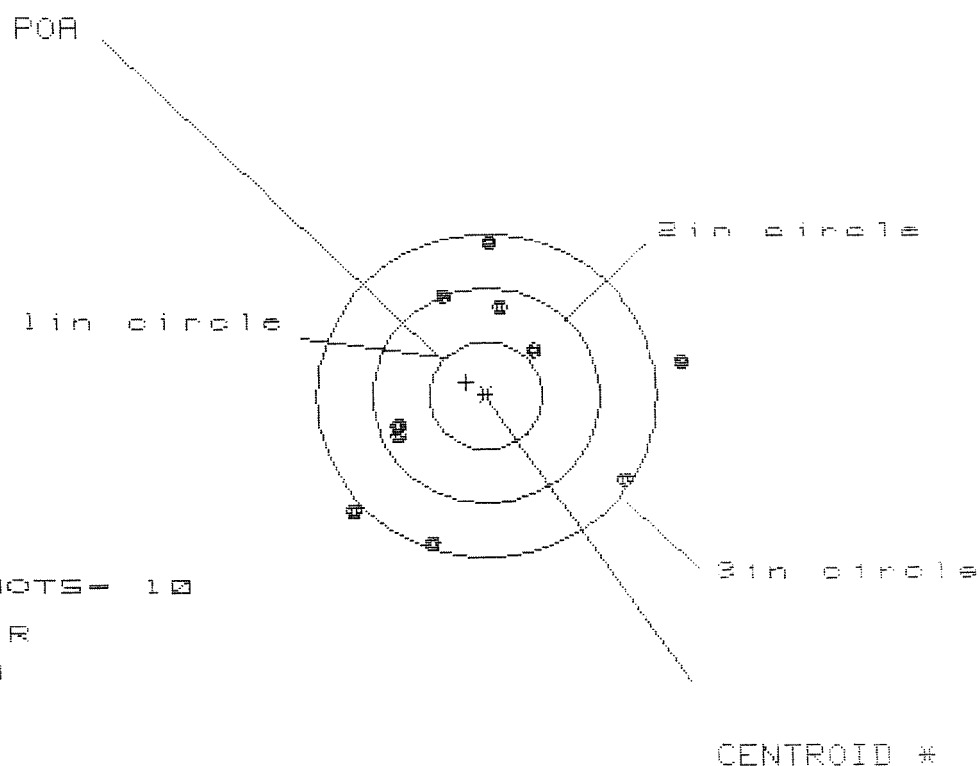
$\frac{5.4}{37.2}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1112
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0162
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .112374
THE AMR FOR THIS RIFLE IS: 1.091

7 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08345027.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 2.976

VS= 2.721

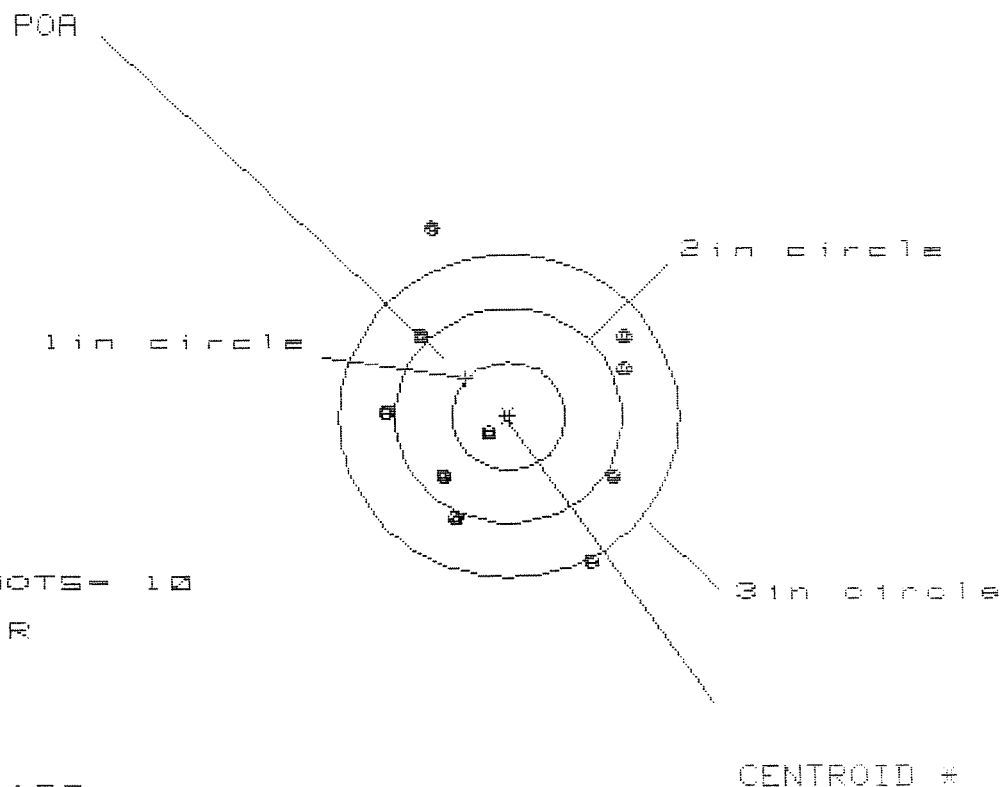
GS= 3.264

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.768	1.385	1.259
MINIMUM X	:	-1.208	-1.011	-.675
MAXIMUM Y	:	1.378	1.411	1.284
MINIMUM Y	:	-1.343	-1.310	-1.437
CENTROID X	:	.180	-.017	.109
CENTROID Y	:	-.124	-.157	-.030
POA TO CENTROID in.	:	.218	.158	.113
MIN RADIUS	:	.586	.584	.588
MEAN RADIUS	:	1.156	1.062	1.002
MAX RADIUS	:	1.793	1.581	1.541
HORIZONTAL SPREAD	:	2.976	2.396	1.934
VERTICAL SPREAD	:	2.721	2.721	2.721
EXTREME SPREAD	:	3.264	2.770	2.770
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349027.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 2

3 in = 8

HS= 2.139

VS= 3.081

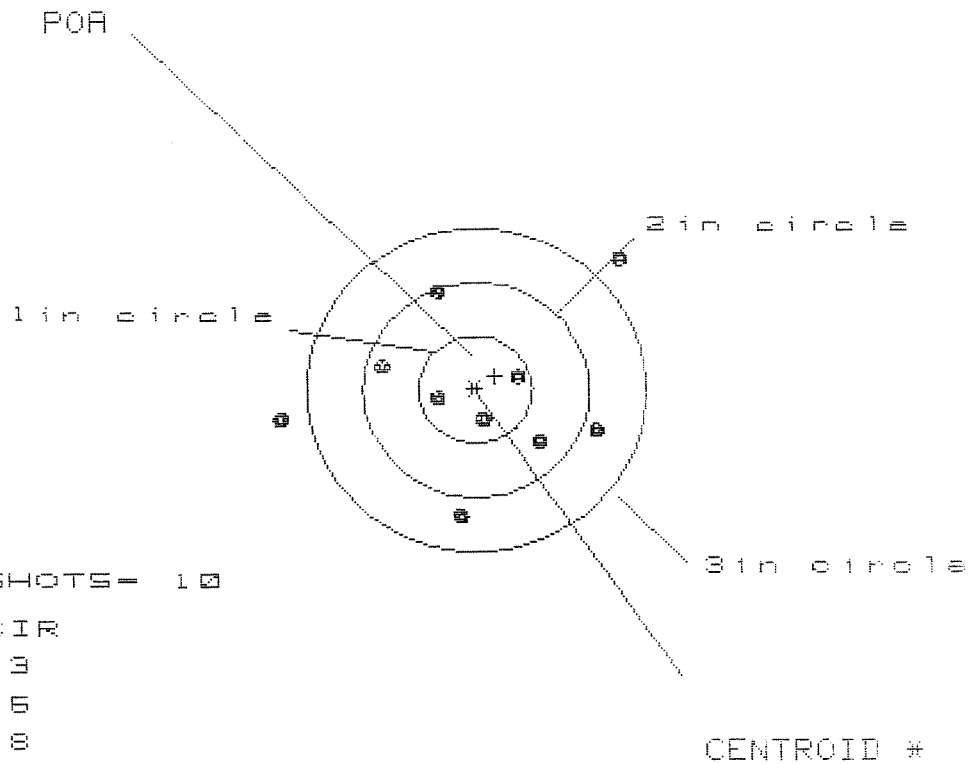
GS= 3.399

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.058	.982	1.067
MINIMUM X	:	-1.081	-1.157	-1.072
MAXIMUM Y	:	1.727	.913	.768
MINIMUM Y	:	-1.354	-1.163	-.889
CENTROID X	:	.376	.452	.367
CENTROID Y	:	-.349	-.540	-.395
POA TO CENTROID in.	:	.513	.704	.539
MIN RADIUS	:	.237	.217	.195
MEAN RADIUS	:	1.114	1.011	.959
MAX RADIUS	:	1.855	1.347	1.286
HORIZONTAL SPREAD	:	2.139	2.139	2.139
VERTICAL SPREAD	:	3.081	2.076	1.657
EXTREME SPREAD	:	3.399	2.574	2.237
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349027.1

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.975

VS= 2.469

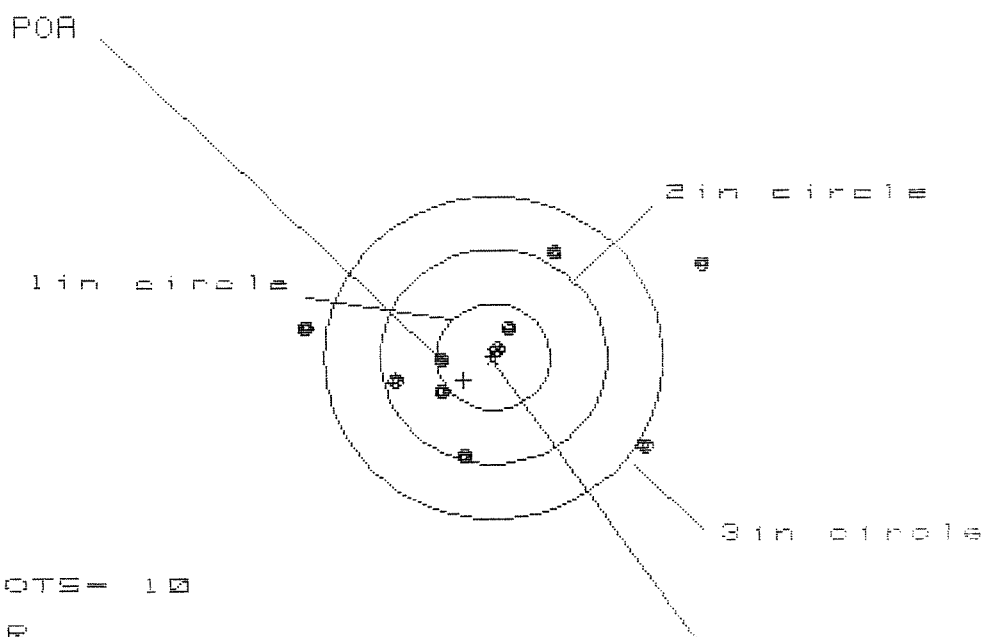
GS= 3.331

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.225	1.031	.998
MINIMUM X	:	-1.750	-1.019	-.890
MAXIMUM Y	:	1.269	1.243	1.040
MINIMUM Y	:	-1.200	-1.226	-1.071
CENTROID X	:	-.166	.028	-.101
CENTROID Y	:	-.123	-.097	-.253
POA TO CENTROID in.	:	.207	.101	.272
MIN RADIUS	:	.275	.193	.130
MEAN RADIUS	:	.937	.831	.708
MAX RADIUS	:	1.765	1.615	1.117
HORIZONTAL SPREAD	:	2.975	2.050	1.888
VERTICAL SPREAD	:	2.469	2.469	2.110
EXTREME SPREAD	:	3.331	2.814	2.121
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

7 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349027.1

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 7

HS= 3.502

VS= 1.975

GS= 3.552

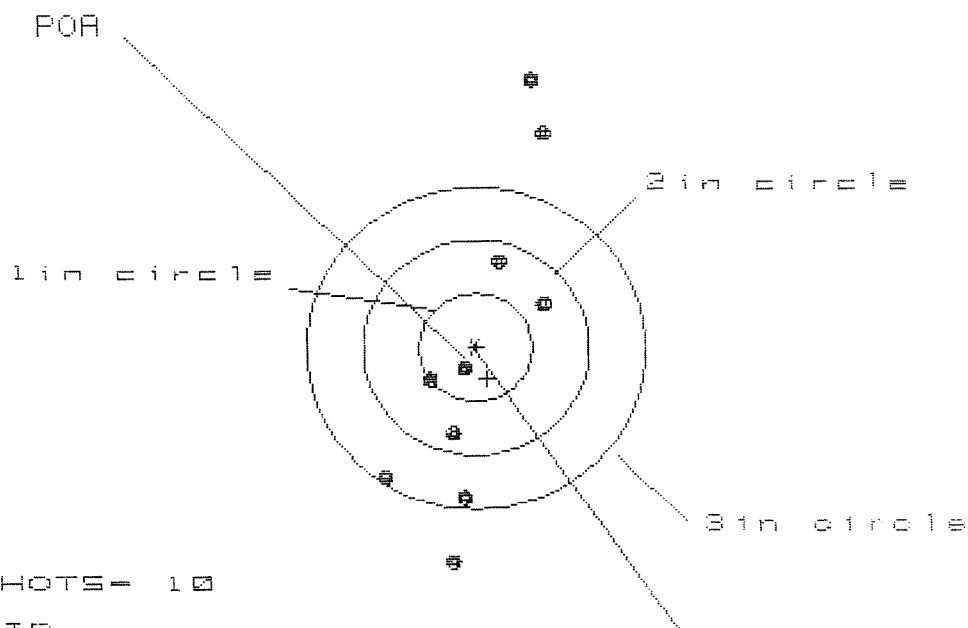
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.840	1.528	1.346
MINIMUM X	:	-1.663	-1.458	-.888
MAXIMUM Y	:	1.020	1.113	1.157
MINIMUM Y	:	-.955	-.862	-.819
CENTROID X	:	.263	.059	.241
CENTROID Y	:	.222	.129	.085
POA TO CENTROID in.	:	.345	.142	.256
MIN RADIUS	:	.073	.273	.211
MEAN RADIUS	:	.986	.845	.778
MAX RADIUS	:	2.024	1.711	1.530
HORIZONTAL SPREAD	:	3.502	2.986	2.234
VERTICAL SPREAD	:	1.975	1.975	1.975
EXTREME SPREAD	:	3.552	3.188	2.317
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349027.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 1.407

VS= 4.511

GS= 4.565

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.580	.631	.692
MINIMUM X	-.827	-.776	-.697
MAXIMUM Y	2.552	2.337	1.407
MINIMUM Y	-1.959	-1.676	-1.394
CENTROID X	-.097	-.148	-.227
CENTROID Y	.293	.010	-.282
POA TO CENTROID in.	.309	.149	.362
MIN RADIUS	.232	.069	.200
MEAN RADIUS	1.261	1.044	.842
MAX RADIUS	2.593	2.421	1.452
HORIZONTAL SPREAD	1.407	1.407	1.389
VERTICAL SPREAD	4.511	4.013	2.791
EXTREME SPREAD	4.565	4.096	2.830
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

Jerry

This rifle failed

1.379

please re target

Q1

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349027
7 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.633802
1 TO	2	.376524
1 TO	3	.567382
1 TO	4	.894533
1 TO	5	.810704

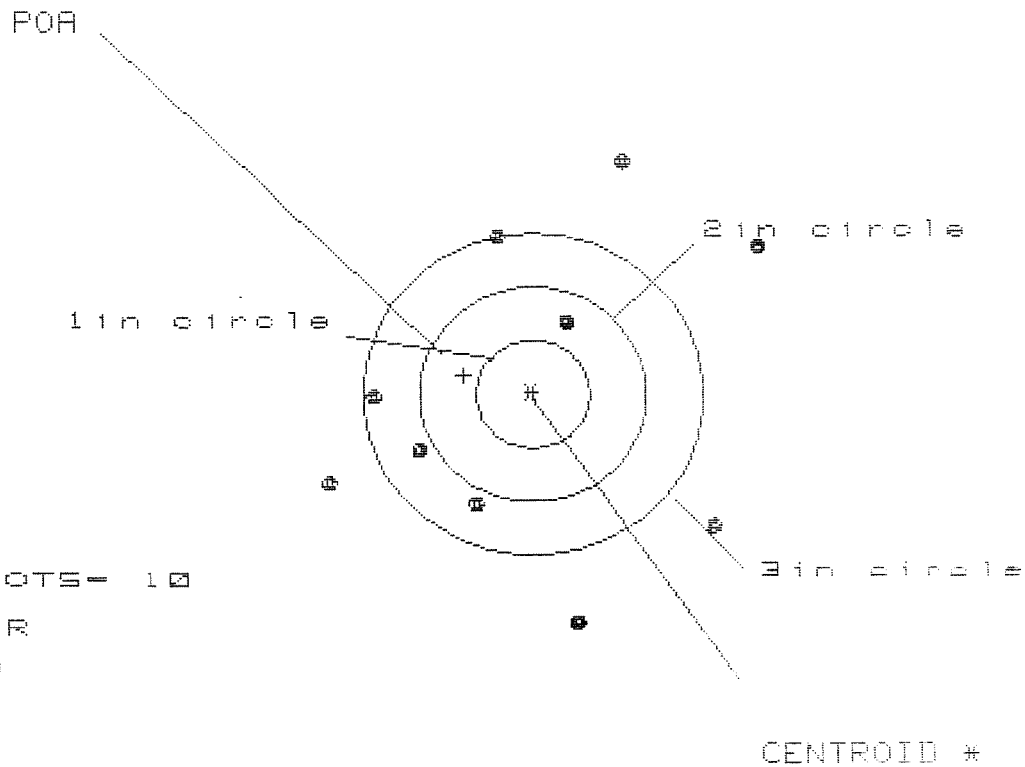
$\frac{45}{32}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1506
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0436
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .156784
THE AMR FOR THIS RIFLE IS: 1.379

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349827

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 1

3in = 5

HS= 3.736

VS= 4.342

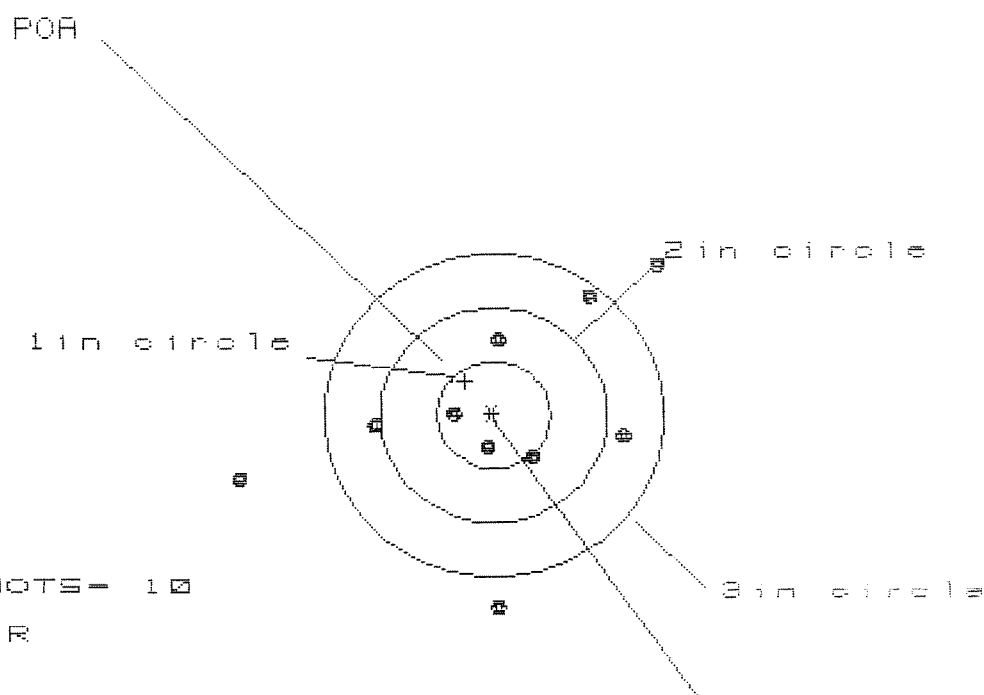
GS= 4.357

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.961	1.821	1.943
MINIMUM X	-1.775	-1.557	-1.435
MAXIMUM Y	2.203	2.351	1.885
MINIMUM Y	-2.139	-1.991	-1.697
CENTROID X	.608	.390	.268
CENTROID Y	-.179	-.327	-.621
POA TO CENTROID in.	.634	.509	.676
MIN RADIUS	.787	.890	.585
MEAN RADIUS	1.680	1.561	1.385
MAX RADIUS	2.370	2.547	2.101
HORIZONTAL SPREAD	3.736	3.378	3.378
VERTICAL SPREAD	4.342	4.342	3.582
EXTREME SPREAD	4.357	4.357	3.655
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =		1	
NUMBER IN THREE INCH CIRCLE =		5	

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349027

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 4

3 in = 7

HS= 3.700

VS= 3.161

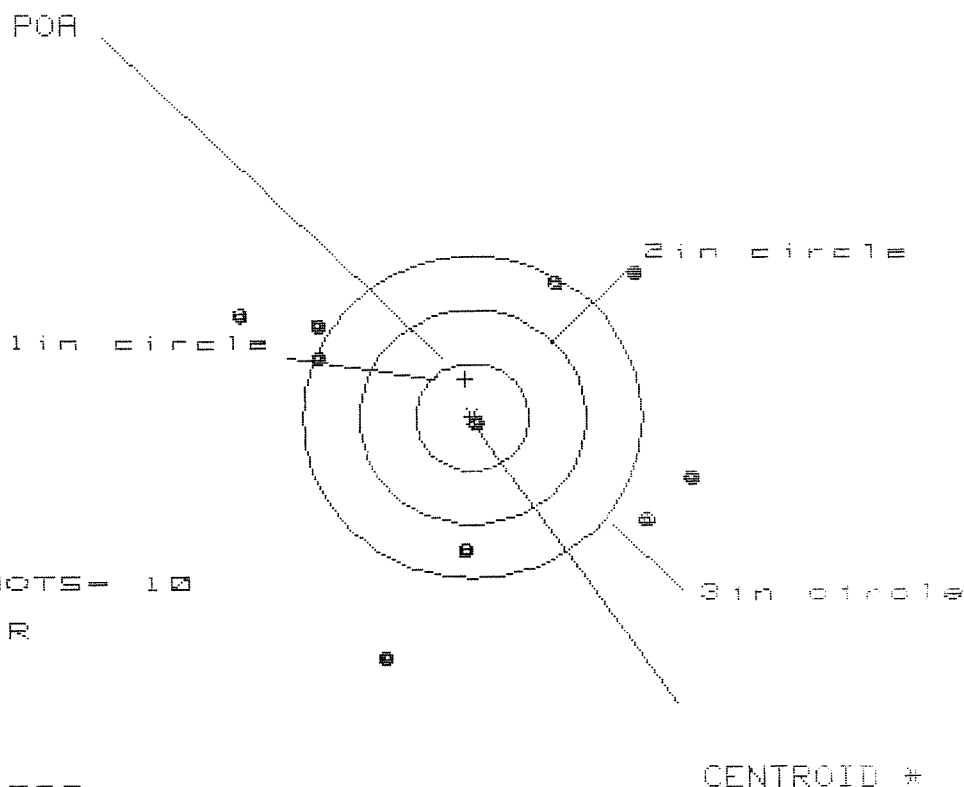
GS= 4.200

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.396	1.140	1.015
MINIMUM X	:	-2.304	-1.298	-1.156
MAXIMUM Y	:	1.414	1.350	1.226
MINIMUM Y	:	-1.747	-1.811	-1.642
CENTROID X	:	.255	.511	.369
CENTROID Y	:	-.310	-.246	-.415
POA TO CENTROID in.	:	.402	.568	.555
MIN RADIUS	:	.255	.430	.209
MEAN RADIUS	:	1.152	1.022	.887
MAX RADIUS	:	2.375	1.823	1.644
HORIZONTAL SPREAD	:	3.700	2.438	2.171
VERTICAL SPREAD	:	3.161	3.161	2.868
EXTREME SPREAD	:	4.200	3.438	2.977
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			7	

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349027

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 1

3 in = 3

HS= 4.039

VS= 3.592

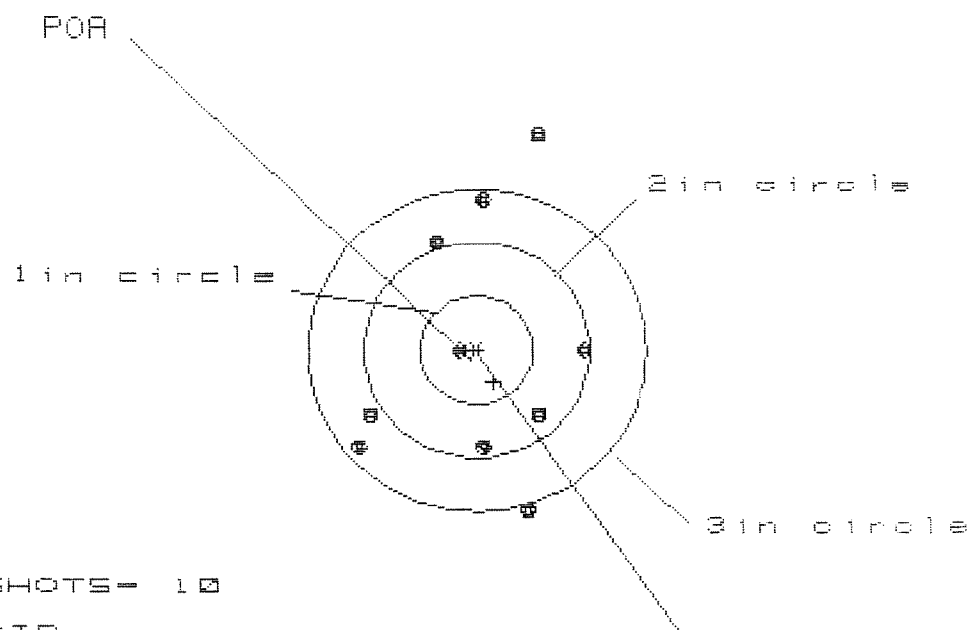
GS= 4.298

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.937	1.853	1.580
MINIMUM X	:	-2.102	-2.186	-1.770
MAXIMUM Y	:	1.344	1.094	1.176
MINIMUM Y	:	-2.248	-1.460	-1.378
CENTROID X	:	.067	.151	.424
CENTROID Y	:	-.350	-.100	-.182
POA TO CENTROID in.	:	.356	.181	.462
MIN RADIUS	:	.016	.279	.410
MEAN RADIUS	:	1.627	1.551	1.451
MAX RADIUS	:	2.373	2.283	1.843
HORIZONTAL SPREAD	:	4.039	4.039	3.350
VERTICAL SPREAD	:	3.592	2.554	2.554
EXTREME SPREAD	:	4.298	4.298	3.583
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		1	
NUMBER IN THREE INCH CIRCLE	=		3	

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349027

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 1.999

VS= 3.532

GS= 3.533

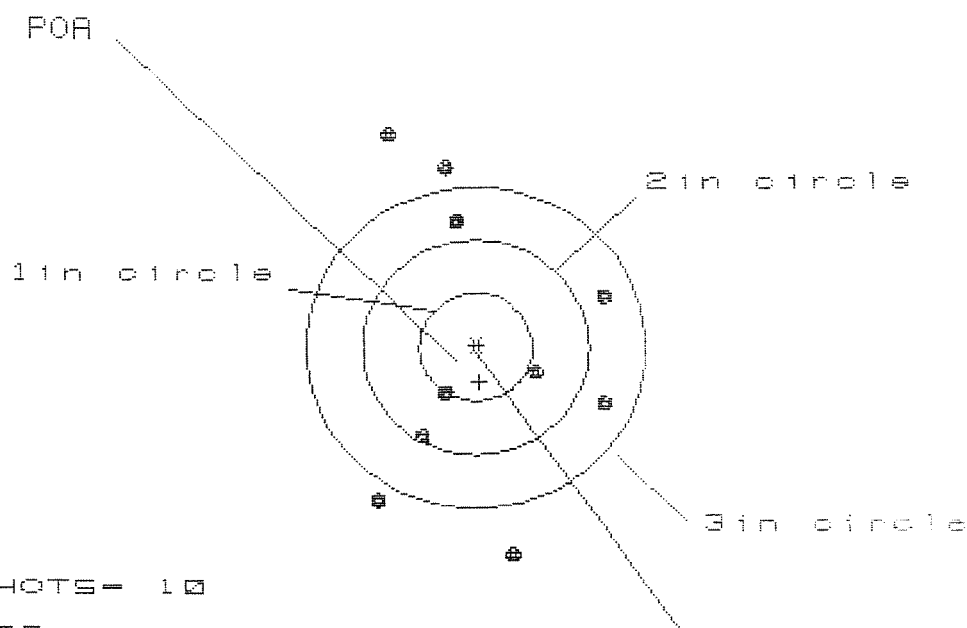
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.977	1.034	1.093
MINIMUM X	:	-1.022	-.965	-.906
MAXIMUM Y	:	2.007	1.586	1.424
MINIMUM Y	:	-1.525	-1.302	-.824
CENTROID X	:	-.150	-.207	-.266
CENTROID Y	:	.296	.073	.235
POA TO CENTROID in.	:	.331	.219	.355
MIN RADIUS	:	.141	.261	.088
MEAN RADIUS	:	1.131	1.001	.944
MAX RADIUS	:	2.072	1.592	1.437
HORIZONTAL SPREAD	:	1.999	1.999	1.999
VERTICAL SPREAD	:	3.532	2.888	2.248
EXTREME SPREAD	:	3.533	2.907	2.504
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349027

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 2.002

VS= 3.883

GS= 4.038

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.084	.993	1.018
MINIMUM X	:	-.918	-1.009	-.984
MAXIMUM Y	:	1.982	1.898	1.687
MINIMUM Y	:	-1.901	-1.680	-1.460
CENTROID X	:	-.027	.064	.039
CENTROID Y	:	.325	.104	.315
POA TO CENTROID in.	:	.326	.122	.317
MIN RADIUS	:	.469	.404	.495
MEAN RADIUS	:	1.307	1.174	1.119
MAX RADIUS	:	2.145	1.933	1.761
HORIZONTAL SPREAD	:	2.002	2.002	2.002
VERTICAL SPREAD	:	3.883	3.578	3.148
EXTREME SPREAD	:	4.038	3.623	3.212
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	