

C6611595

MODEL 700™ M24

Model **SWS**™

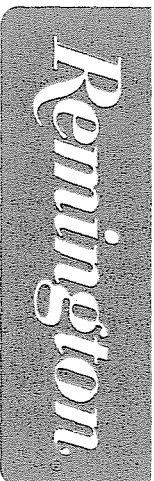
Action

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 CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: RE00144811

Serial: C6611595 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 4/24/2008 10:58:03 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: B/210TH BSB

B/210TH BSB

Address 1: 2 BCT

2 BCT

Address 2: 10 TH MTN DIV

PO Box:

10 TH MTN DIV

PO Box:

City: FORT DRUM

FORT DRUM

State: NY

Zip Code: 13602

Country: US

State: NY

Zip Code: 13602

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
A008	With Swivel	2
A010	Hard Case	1
A026	Scope	1
A057	Frt and Rear Sgt Base	1

naglej

4/24/2008

1:38 PM

C4PS

NUM



Serial Number:

C6611595

Model: M24 SWS



RE00144811

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611595.___0
FILE DATE AND TIME: 05/27/2008 05:46

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.085
The Average Y Centroid of the Five Target Set:	0.087
The Average Point of Impact of the Five Target Set:	0.121
The Average Mean Radius of the Five Target Set:	0.910
The Distance from POA to Centroid Target #1:	0.069
The Distance from Centroid Target #2 to Centroid Target #1:	0.163
The Distance from Centroid Target #3 to Centroid Target #1:	0.179
The Distance from Centroid Target #4 to Centroid Target #1:	0.432
The Distance from Centroid Target #5 to Centroid Target #1:	0.448

SERIAL NUMBER: C6611595. __0

TARGET NUMBER: 1

FILE DATE: 05/27/2008

FILE TIME: 05:46

POINT#	X	Y
1:	1.280	-0.782
2:	-0.265	-1.337
3:	0.850	0.370
4:	0.390	-0.218
5:	0.170	-0.419
6:	-0.169	-0.397
7:	-0.544	-0.370
8:	-0.501	0.613
9:	0.087	1.037
10:	-0.617	1.422

X CENTROID: 0.068

Y CENTROID: -0.008

POA TO CENTROID: 0.069

HORZ SPREAD: 1.897

VERT SPREAD: 2.759

GROUP SPREAD: 2.908

MIN RADIUS: 0.384

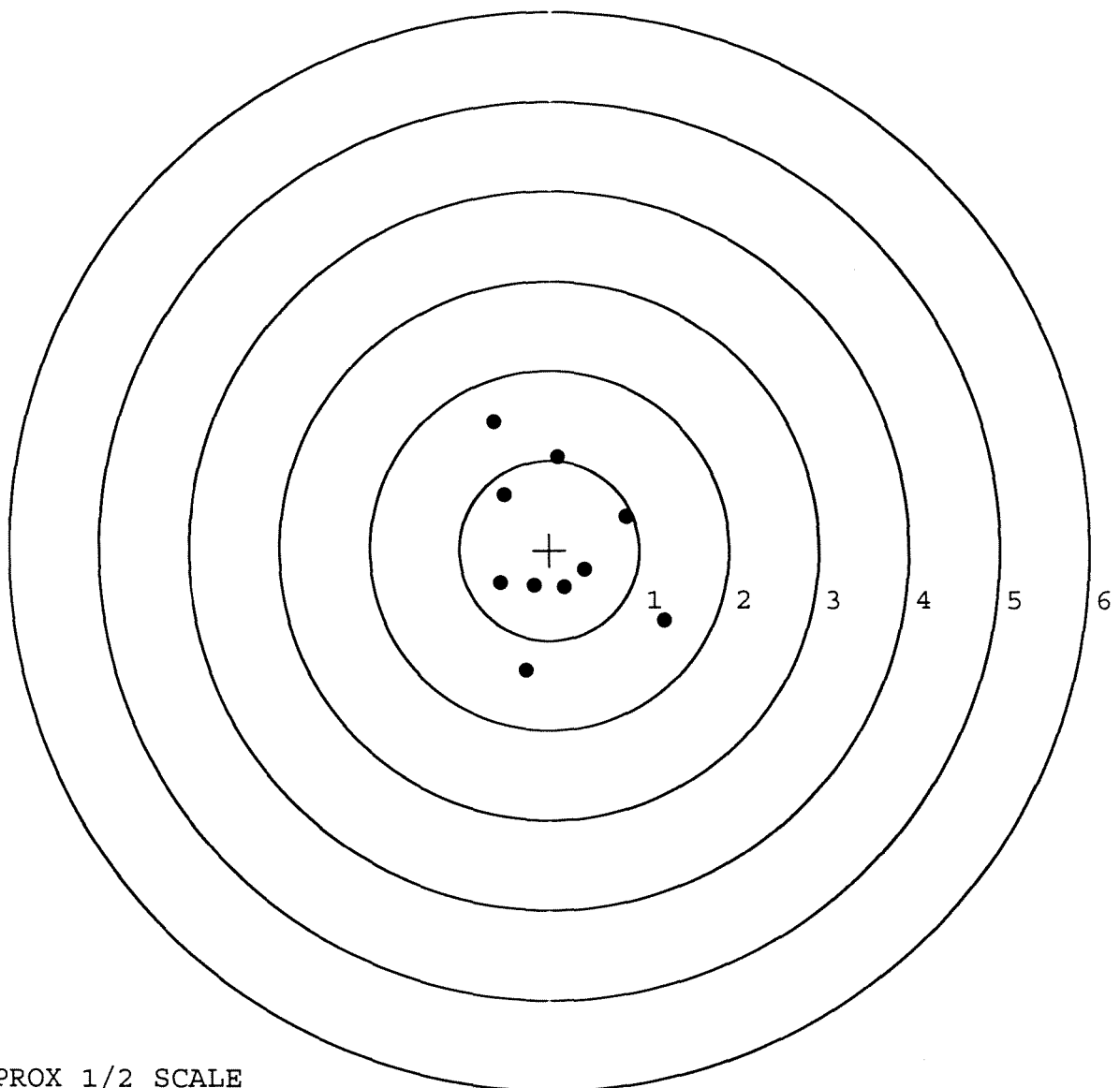
MAX RADIUS: 1.586

MEAN RADIUS: 0.912

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

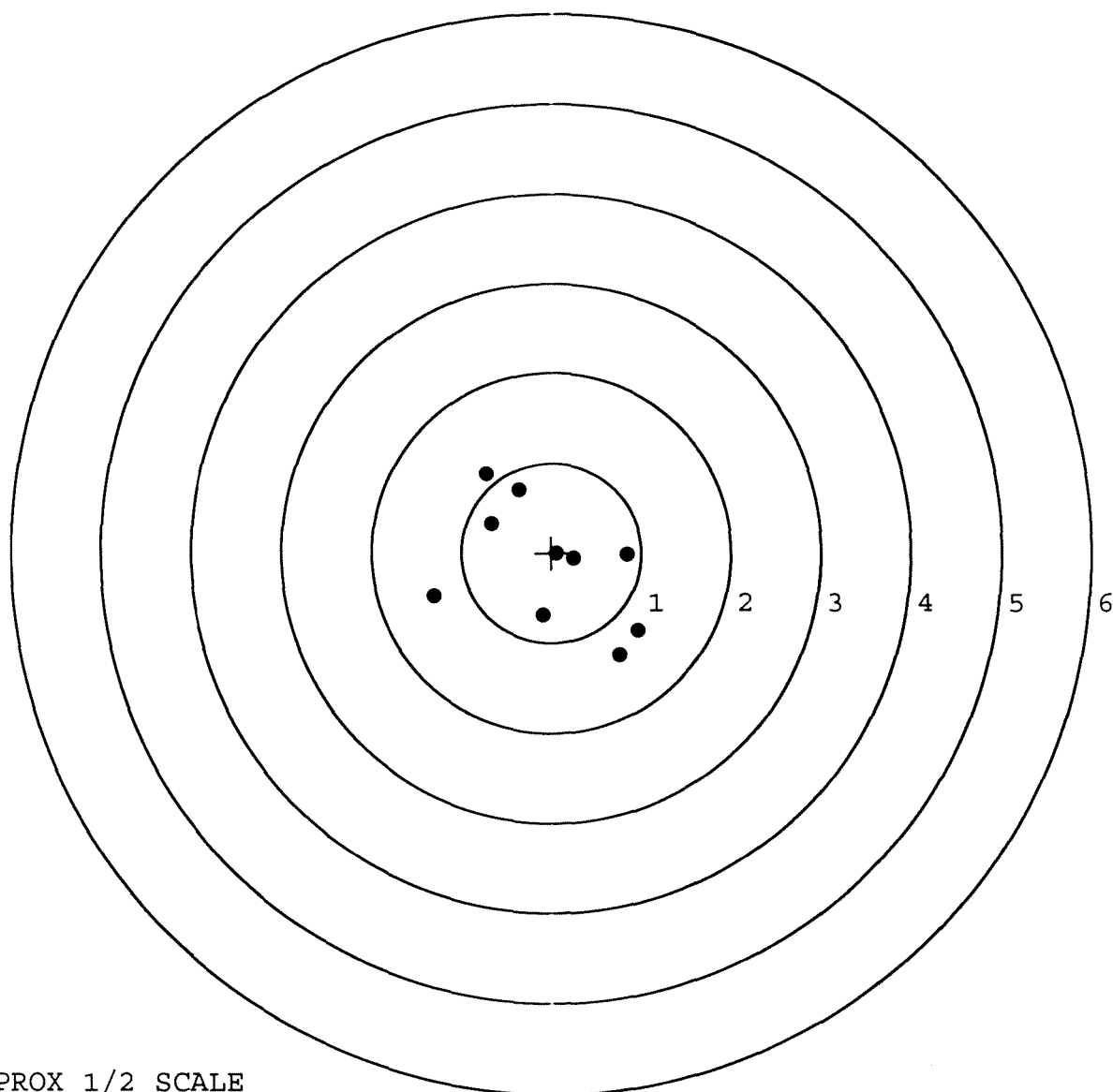


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611595. __0
TARGET NUMBER: 2
FILE DATE: 05/27/2008
FILE TIME: 05:46

X CENTROID: -0.028
Y CENTROID: -0.139
POA TO CENTROID: 0.142
HORZ SPREAD: 2.267
VERT SPREAD: 2.020
GROUP SPREAD: 2.297
MIN RADIUS: 0.157
MAX RADIUS: 1.325
MEAN RADIUS: 0.864
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.766	-1.141
2:	0.962	-0.864
3:	0.844	-0.022
4:	0.249	-0.072
5:	0.060	-0.009
6:	-0.094	-0.698
7:	-1.305	-0.491
8:	-0.672	0.324
9:	-0.365	0.700
10:	-0.723	0.879



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611595. __0

TARGET NUMBER: 3

FILE DATE: 05/27/2008

FILE TIME: 05:46

POINT#	X	Y
1:	-0.061	-1.009
2:	0.456	-0.373
3:	0.698	-0.013
4:	0.220	0.200
5:	-0.010	0.479
6:	-0.449	0.284
7:	-0.435	-0.226
8:	-0.132	-0.349
9:	-0.252	-0.646
10:	-0.969	0.795

X CENTROID: -0.093

Y CENTROID: -0.086

POA TO CENTROID: 0.127

HORZ SPREAD: 1.667

VERT SPREAD: 1.804

GROUP SPREAD: 2.020

MIN RADIUS: 0.266

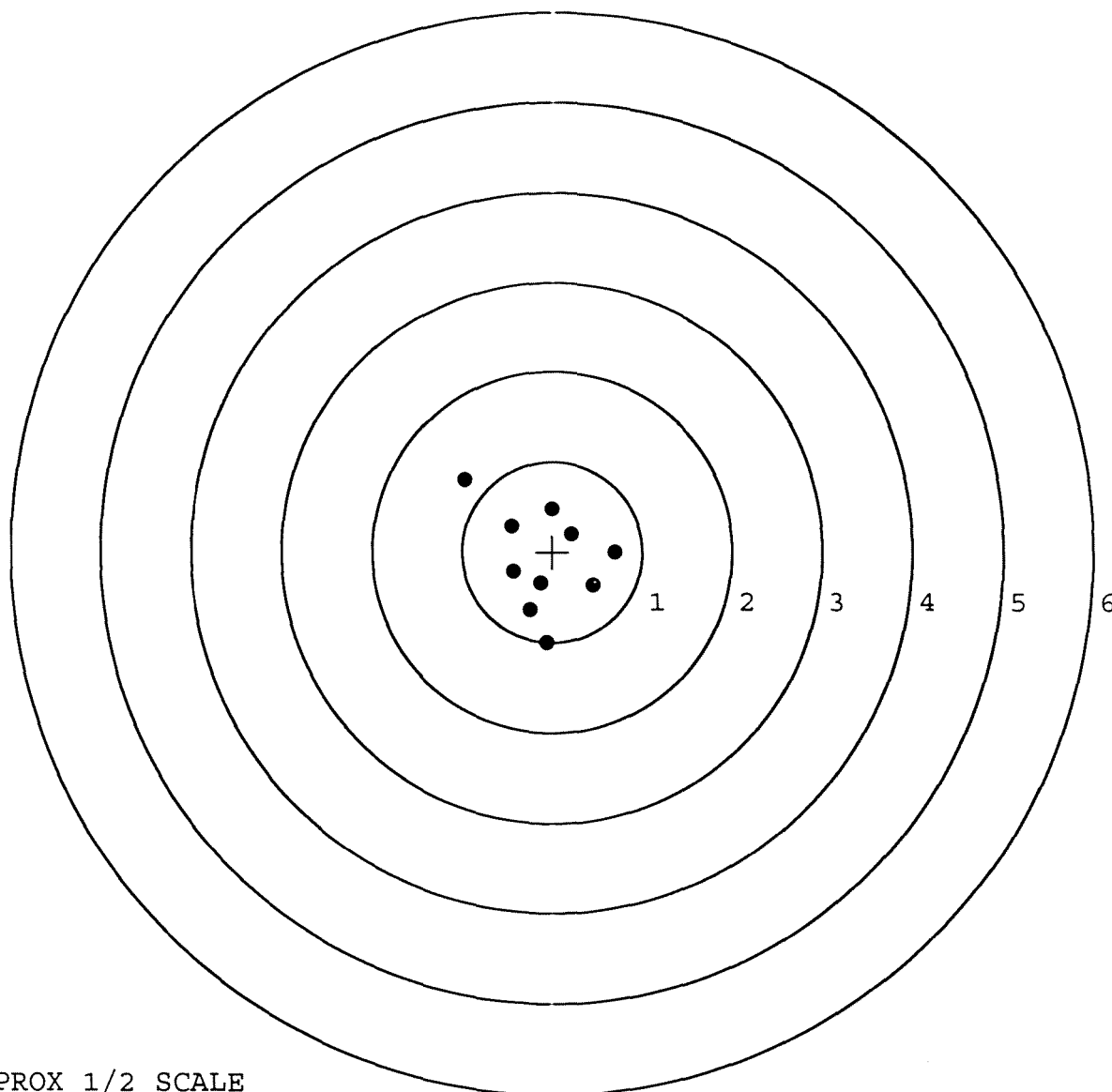
MAX RADIUS: 1.242

MEAN RADIUS: 0.631

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

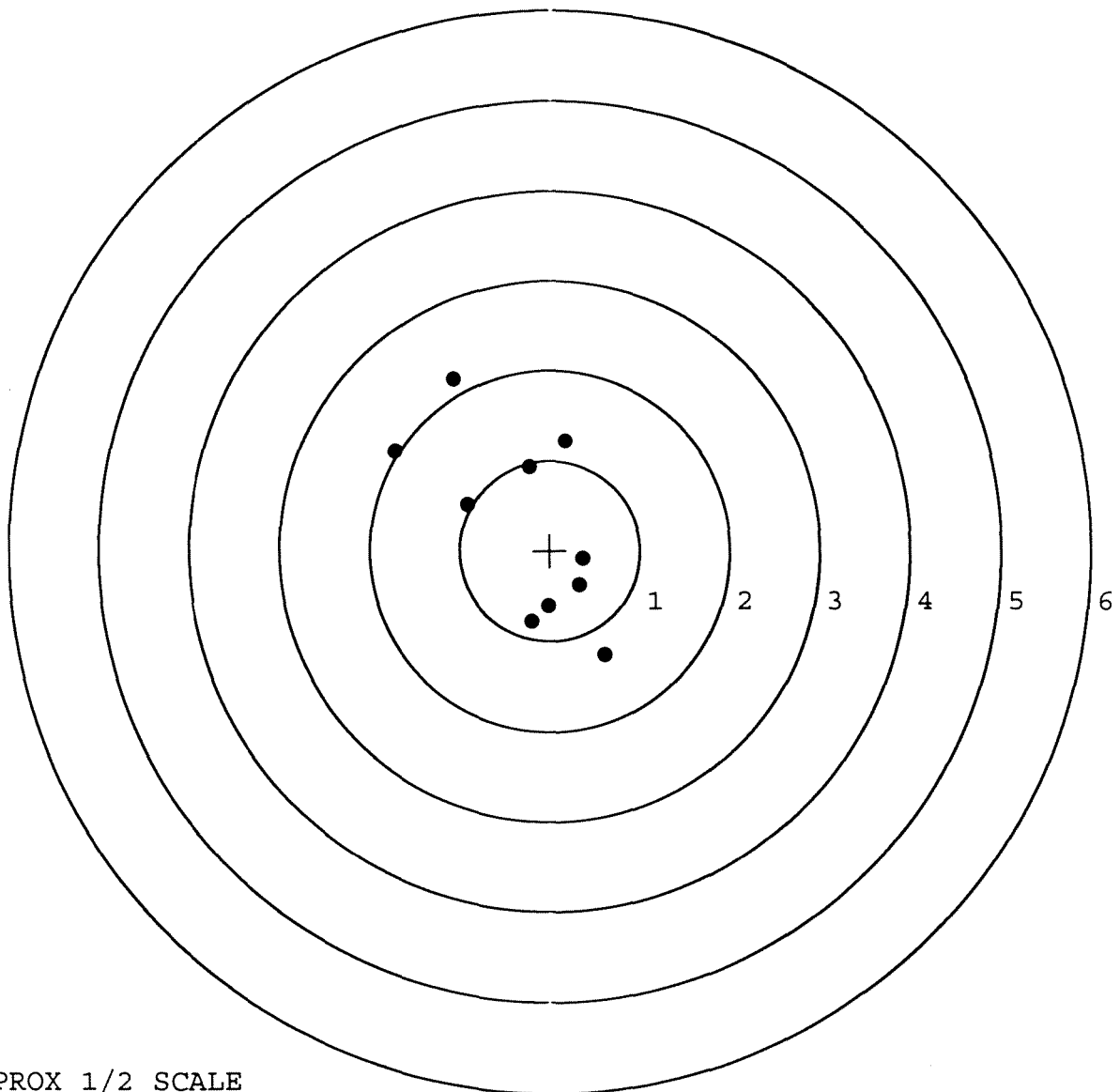


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611595. __0
TARGET NUMBER: 4
FILE DATE: 05/27/2008
FILE TIME: 05:46

POINT#	X	Y
1:	0.608	-1.154
2:	0.327	-0.382
3:	0.367	-0.091
4:	-0.017	-0.618
5:	-0.205	-0.792
6:	-0.918	0.508
7:	-0.233	0.929
8:	0.171	1.218
9:	-1.071	1.895
10:	-1.722	1.096

X CENTROID: -0.269
Y CENTROID: 0.261
POA TO CENTROID: 0.375
HORZ SPREAD: 2.330
VERT SPREAD: 3.049
GROUP SPREAD: 3.481
MIN RADIUS: 0.669
MAX RADIUS: 1.820
MEAN RADIUS: 1.115
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7

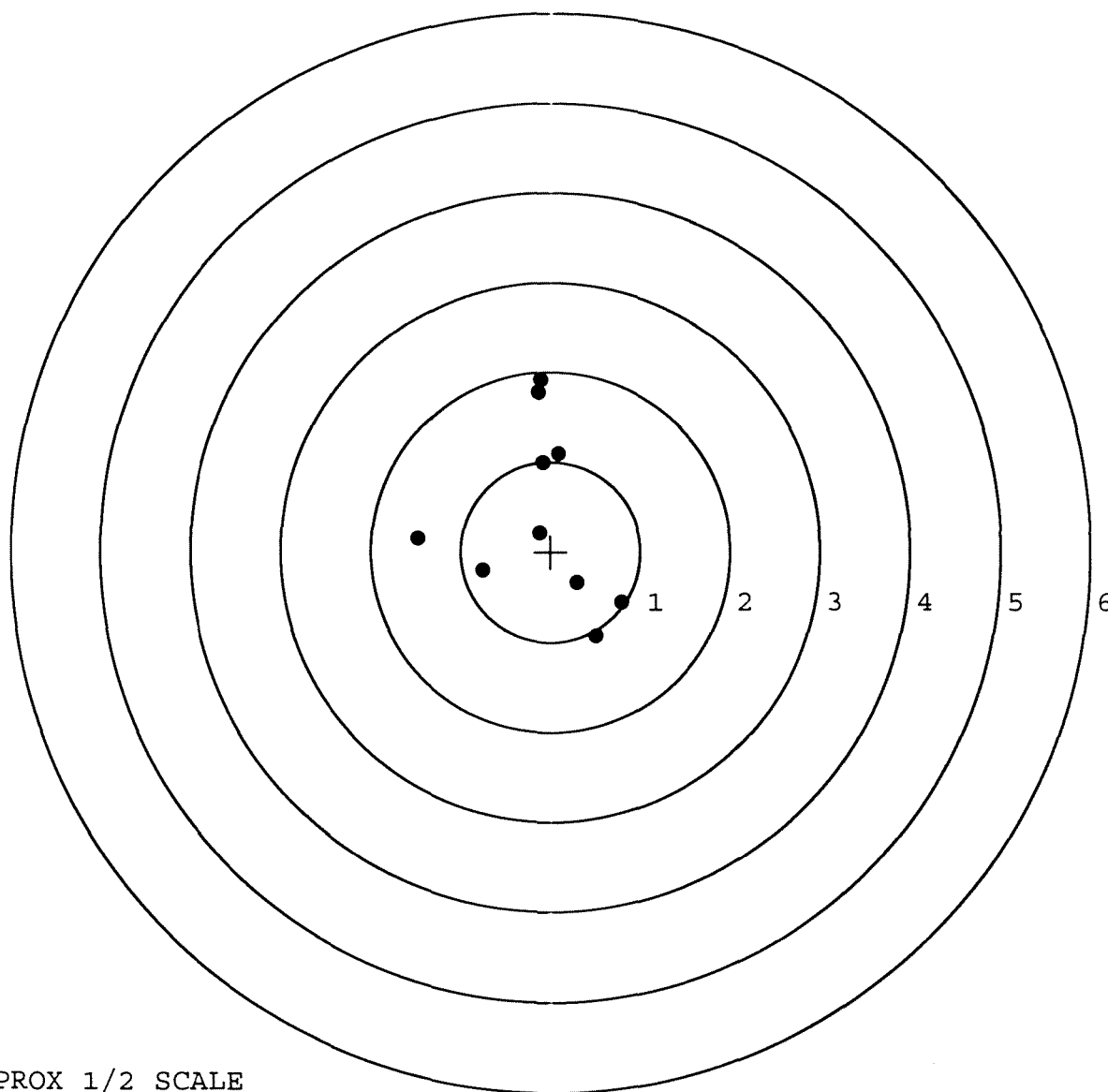


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611595. __0
TARGET NUMBER: 5
FILE DATE: 05/27/2008
FILE TIME: 05:46

X CENTROID: -0.102
Y CENTROID: 0.406
POA TO CENTROID: 0.419
HORZ SPREAD: 2.272
VERT SPREAD: 2.846
GROUP SPREAD: 2.913
MIN RADIUS: 0.198
MAX RADIUS: 1.505
MEAN RADIUS: 1.030
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.793	-0.562
2:	0.507	-0.935
3:	0.297	-0.345
4:	-0.123	0.209
5:	-0.755	-0.208
6:	-1.479	0.145
7:	-0.089	0.989
8:	0.088	1.087
9:	-0.143	1.770
10:	-0.115	1.911



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	<u>144811</u>			
SERIAL NUMBER	<u>C6611595</u>			
LOG-IN DATE	<u>4-24-08</u>			

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-25-08	RTZ
505	RE-BARREL	4-25-08	RTZ
560	ASSEMBLE	4-30-08	TRW
600	PROOF	4-30-08	TRW
605	CHECK HEADSPACE	4-30-08	TRW
610	DIS-ASSEMBLE GUN	4-30-08	P.P.D.
612	MAGNAFLUX	5/1/08	mmu
510	DRILL AND TAP	5-1-08	TRW
615	ROLLMARK CALIBER	5-1-08	CW
618	ROTO-BLAST	5-1-08	DG
620	APPLY COATINGS	5-5-08	CW
625	FINAL ASSEMBLY	5-23-08	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	5-23-08 SD
650	TARGET	(PASS) FAIL	5-28-08 SD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		5-23-08 RP
	A) HEADSPACE	(PASS) FAIL	5/28/08 FM
	B) TRIGGER PULL	2.66 2.68 2.68 2.65 2.60	5-27-08 TRW
680	F) SAFETY ON FORCE	5 5 5	5/28/08 FM
	G) SAFETY OFF FORCE	3 3 4	5/28/08 FM
	I) FIRING PIN INDENT	.023 .022 .022	5/28/08 FM
690	PACK		5/27/08 FM

Repair Inquiry

Repair Number: RE00092476

Serial: C6611595 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1991

Repairman:

Status:

Closed 2/4/2005 9:38:27 AM

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	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

2/7/2005

11:28 AM

CAPS

NUM

INS

SCPL

start

3

3

3

3

3

Serial Number: C6611595

Model: M24 SWS



RE00092476

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611595.___0
FILE DATE AND TIME: 05/06/2005 07:07

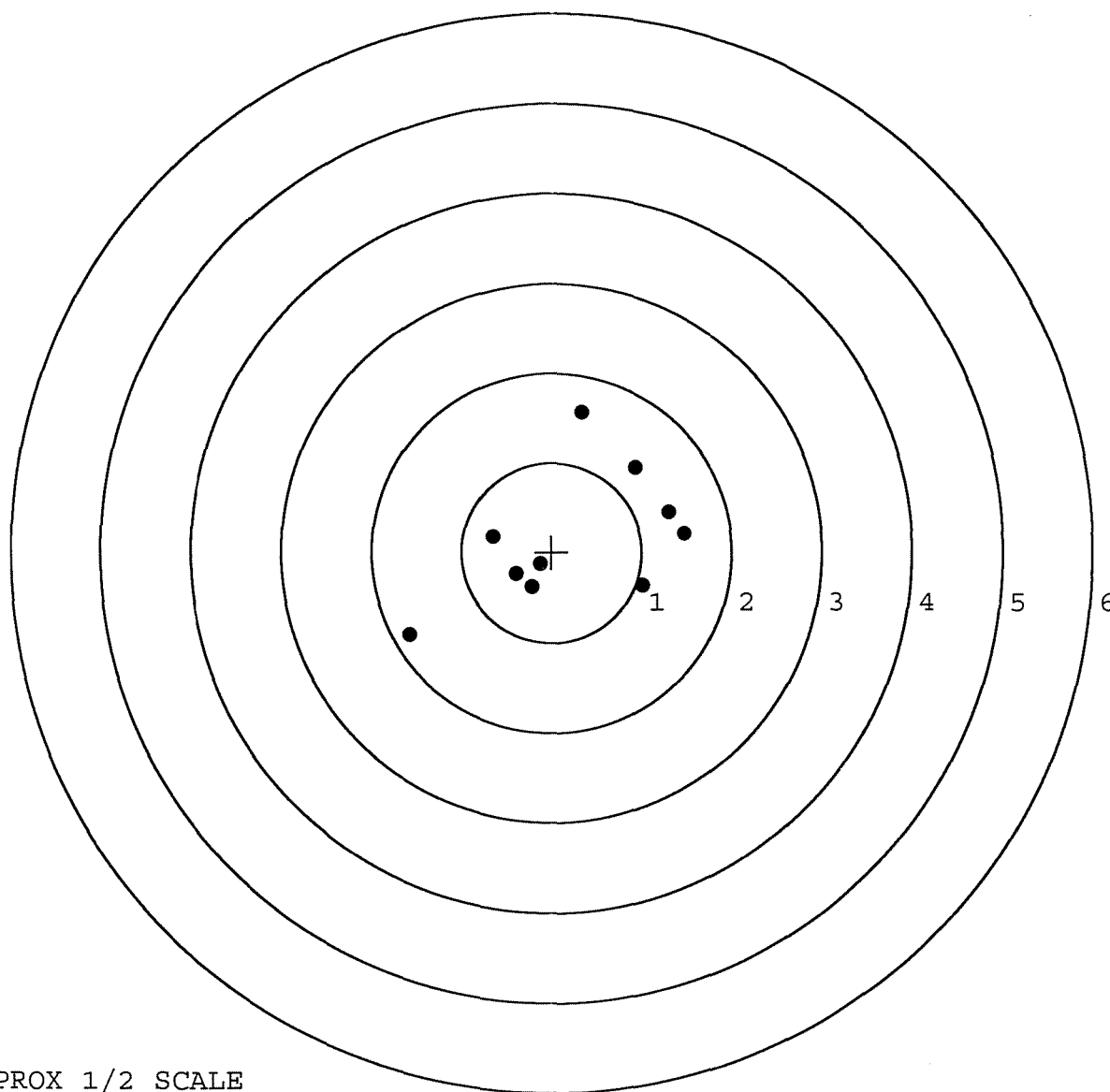
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.009
The Average Y Centroid of the Five Target Set:	-0.004
The Average Point of Impact of the Five Target Set:	0.010
The Average Mean Radius of the Five Target Set:	0.954
The Distance from POA to Centroid Target #1:	0.244
The Distance from Centroid Target #2 to Centroid Target #1:	0.265
The Distance from Centroid Target #3 to Centroid Target #1:	0.566
The Distance from Centroid Target #4 to Centroid Target #1:	0.596
The Distance from Centroid Target #5 to Centroid Target #1:	0.227

SERIAL NUMBER: C6611595. __0
TARGET NUMBER: 1
FILE DATE: 05/06/2005
FILE TIME: 07:07

X CENTROID: 0.207
Y CENTROID: 0.129
POA TO CENTROID: 0.244
HORZ SPREAD: 3.057
VERT SPREAD: 2.480
GROUP SPREAD: 3.258
MIN RADIUS: 0.432
MAX RADIUS: 2.069
MEAN RADIUS: 1.063
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.013	-0.370
2:	1.477	0.211
3:	1.294	0.451
4:	0.929	0.949
5:	0.338	1.565
6:	-0.133	-0.137
7:	-0.226	-0.390
8:	-0.399	-0.245
9:	-0.647	0.175
10:	-1.580	-0.915



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611595. 0

TARGET NUMBER: 2

FILE DATE: 05/06/2005

FILE TIME: 07:07

POINT#	X	Y
1:	1.068	-0.308
2:	1.090	-0.028
3:	0.868	0.622
4:	0.328	0.190
5:	0.023	0.074
6:	-0.461	-0.004
7:	-0.473	-0.188
8:	-0.756	-0.578
9:	-1.085	-0.914
10:	-0.536	0.692

X CENTROID: 0.007

Y CENTROID: -0.044

POA TO CENTROID: 0.045

HORZ SPREAD: 2.175

VERT SPREAD: 1.606

GROUP SPREAD: 2.485

MIN RADIUS: 0.119

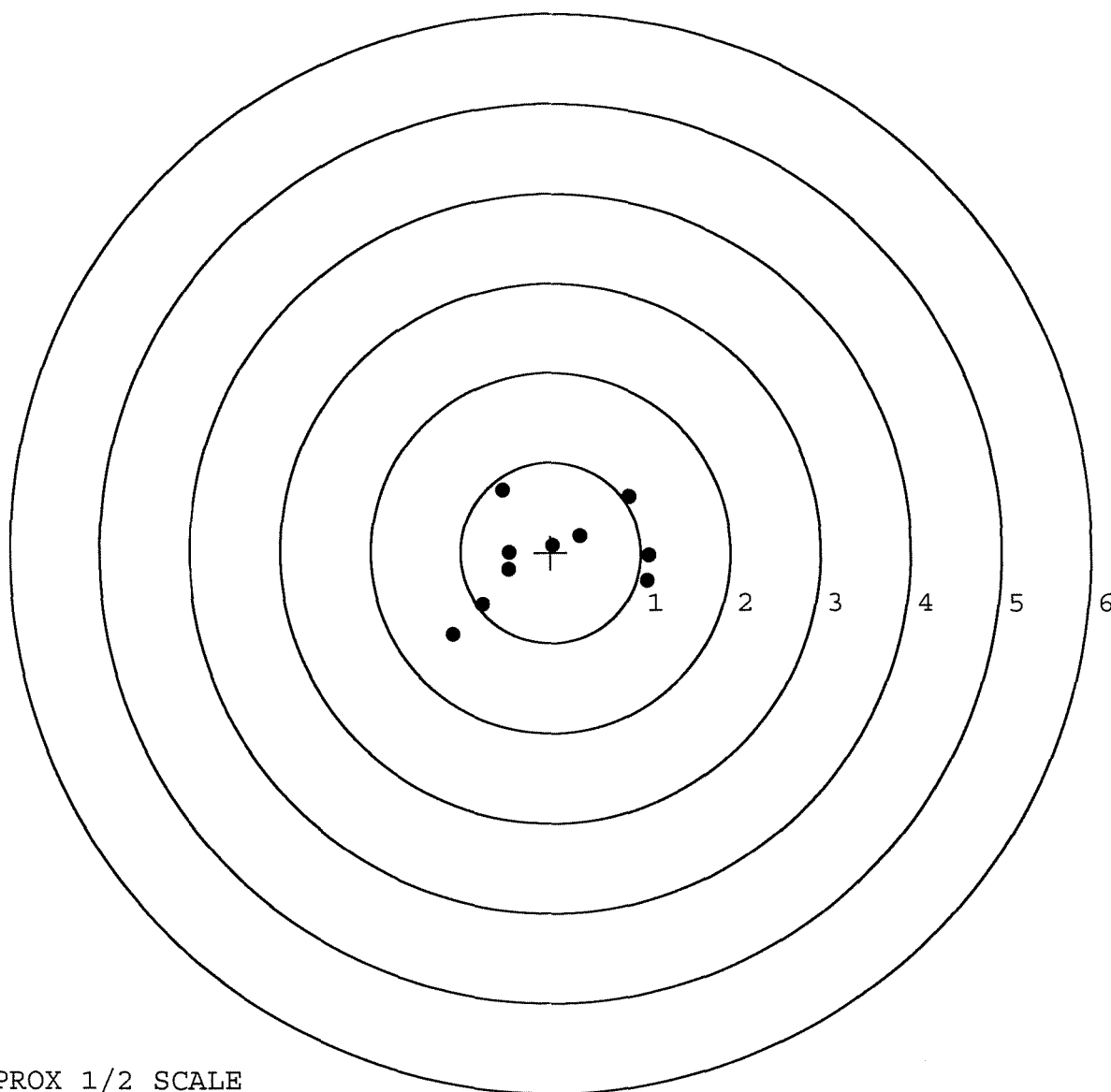
MAX RADIUS: 1.396

MEAN RADIUS: 0.799

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611595. 0

TARGET NUMBER: 3

FILE DATE: 05/06/2005

FILE TIME: 07:07

POINT#	X	Y
1:	0.570	-1.303
2:	0.384	-1.298
3:	0.105	-1.272
4:	-0.261	-0.937
5:	0.963	-0.297
6:	1.372	-0.297
7:	0.056	-0.173
8:	-0.318	0.349
9:	-0.271	0.643
10:	-2.043	0.422

X CENTROID: 0.056

Y CENTROID: -0.416

POA TO CENTROID: 0.420

HORZ SPREAD: 3.415

VERT SPREAD: 1.946

GROUP SPREAD: 3.490

MIN RADIUS: 0.243

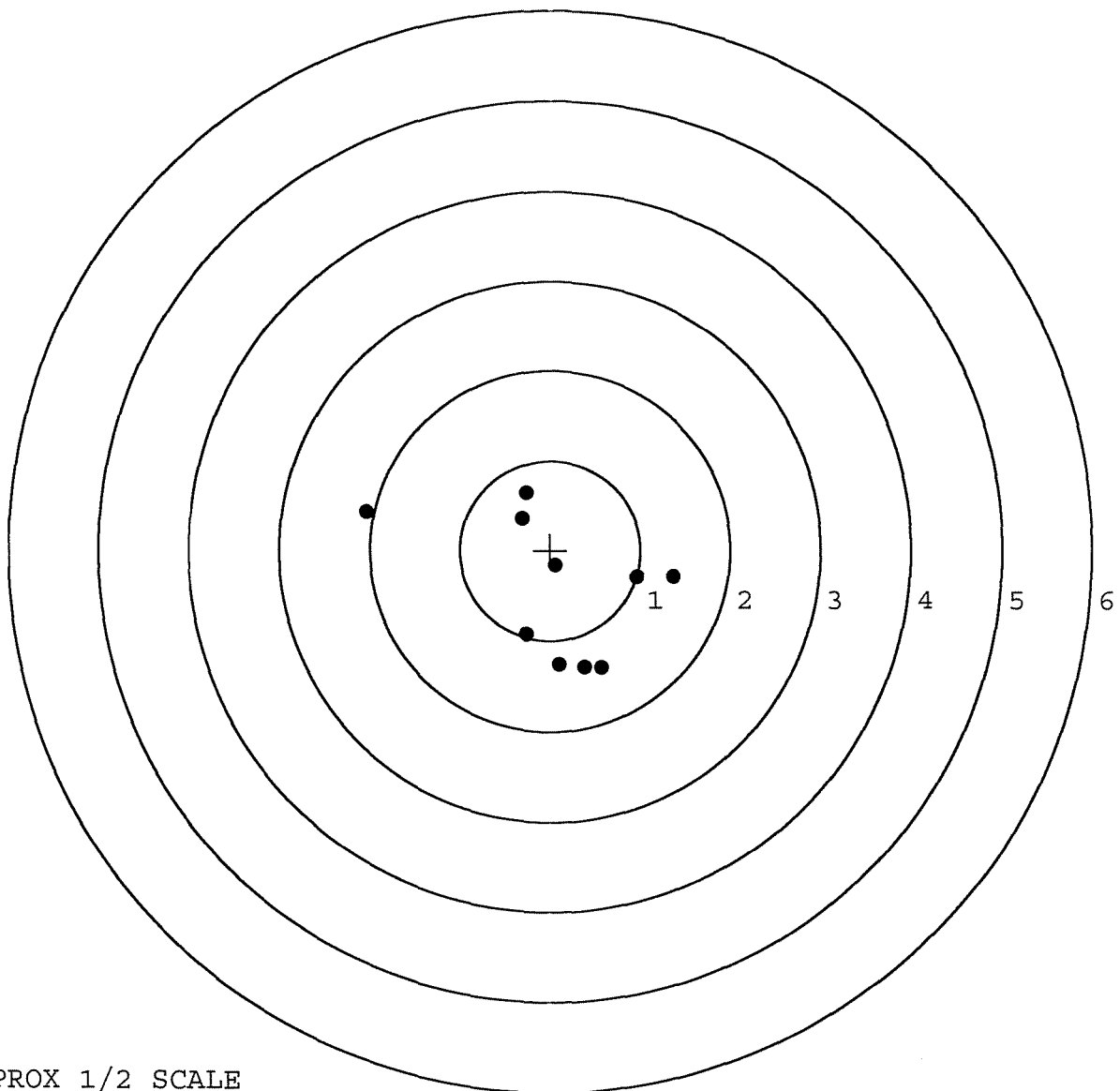
MAX RADIUS: 2.260

MEAN RADIUS: 1.013

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611595. 0

TARGET NUMBER: 4

FILE DATE: 05/06/2005

FILE TIME: 07:07

POINT#	X	Y
1:	0.994	0.443
2:	0.431	0.243
3:	0.532	-0.172
4:	0.122	-0.483
5:	-0.711	-0.575
6:	-1.238	0.167
7:	-0.808	0.485
8:	-0.329	0.675
9:	0.313	1.712
10:	-2.830	0.863

X CENTROID: -0.352

Y CENTROID: 0.336

POA TO CENTROID: 0.487

HORZ SPREAD: 3.824

VERT SPREAD: 2.287

GROUP SPREAD: 3.847

MIN RADIUS: 0.340

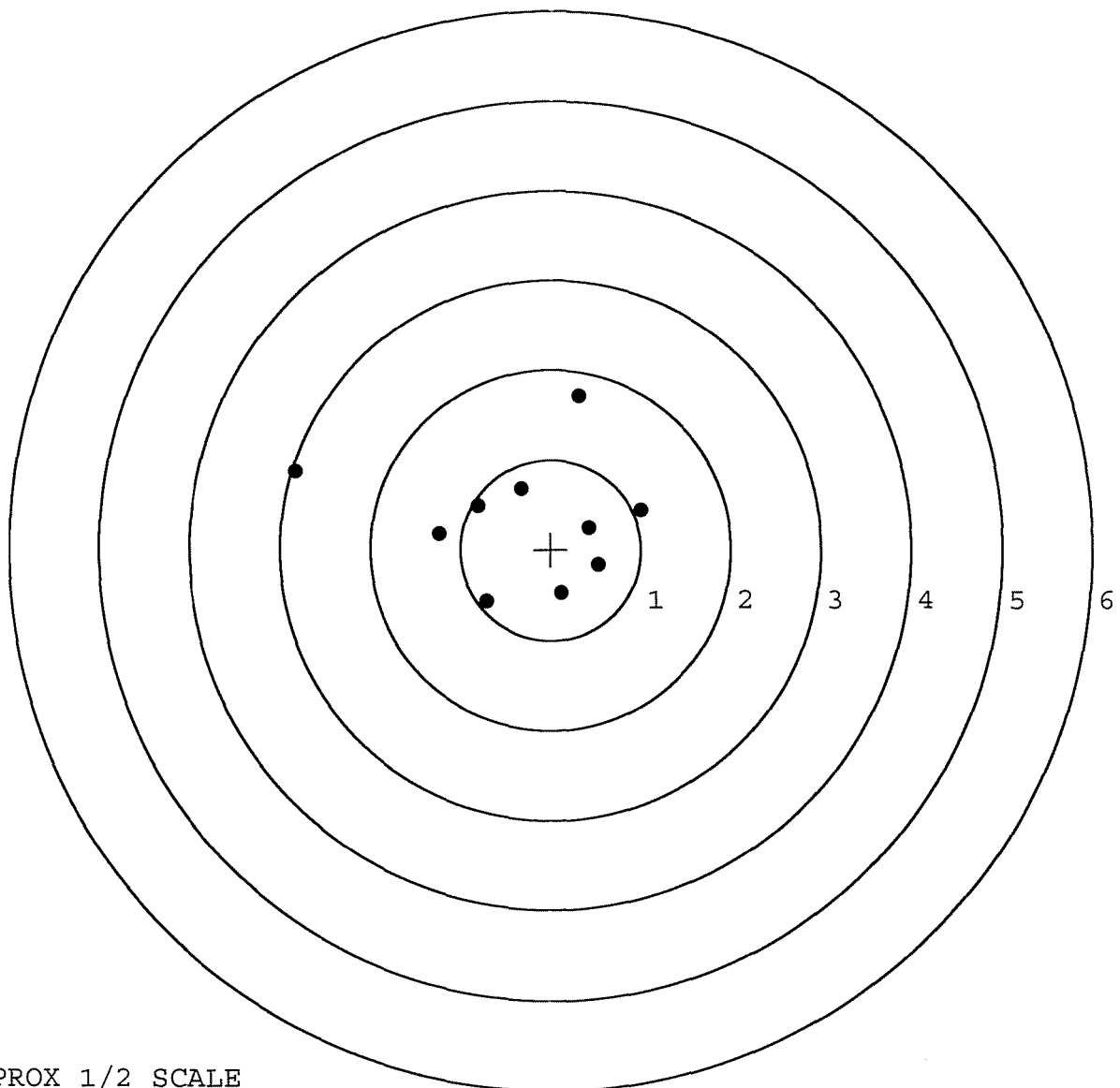
MAX RADIUS: 2.533

MEAN RADIUS: 1.087

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

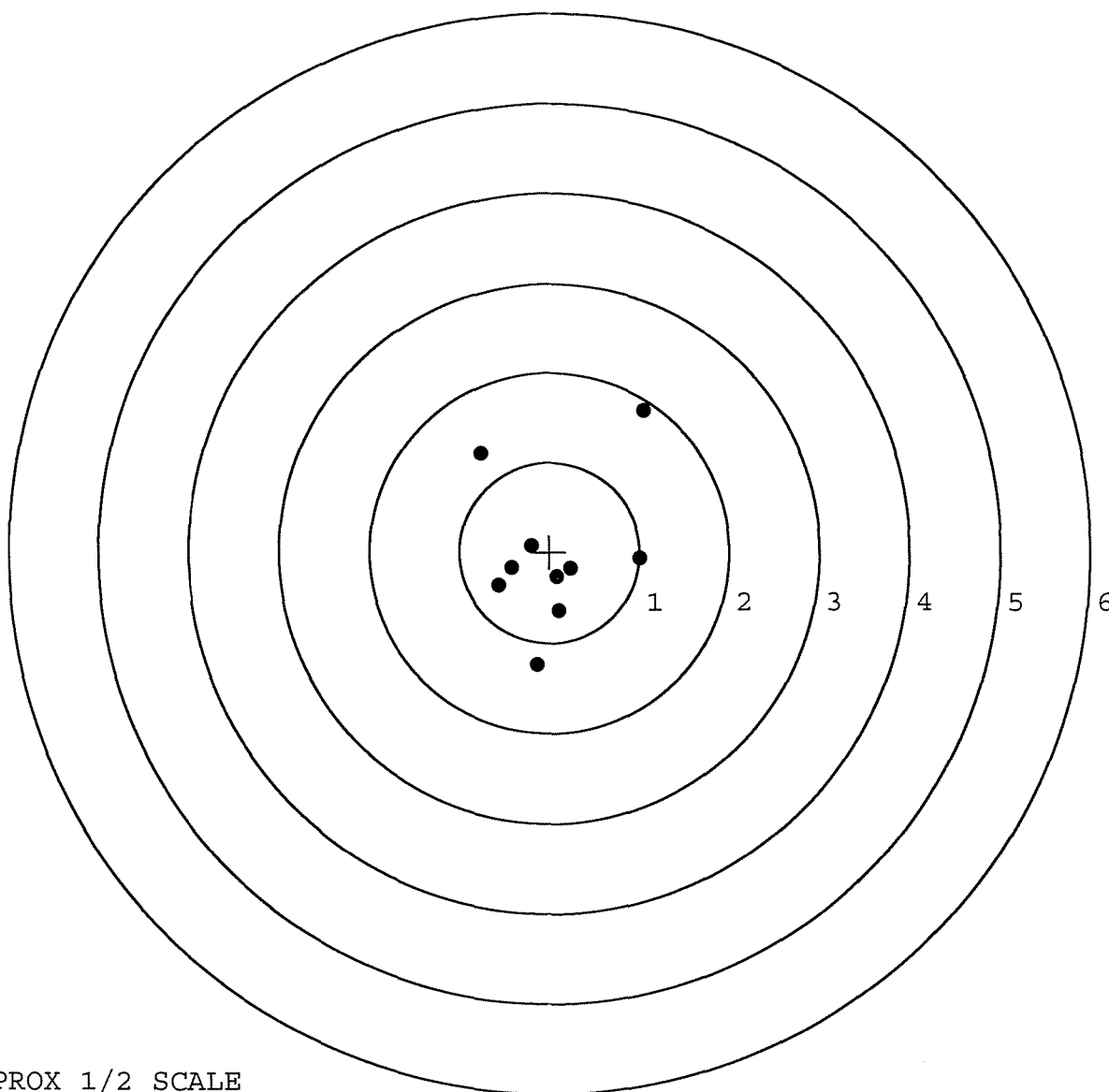


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611595. __0
TARGET NUMBER: 5
FILE DATE: 05/06/2005
FILE TIME: 07:07

X CENTROID: 0.038
Y CENTROID: -0.022
POA TO CENTROID: 0.044
HORZ SPREAD: 1.807
VERT SPREAD: 2.825
GROUP SPREAD: 3.064
MIN RADIUS: 0.254
MAX RADIUS: 1.888
MEAN RADIUS: 0.807
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.006	-0.069
2:	1.044	1.575
3:	-0.763	1.104
4:	-0.206	0.073
5:	0.234	-0.184
6:	0.082	-0.279
7:	0.111	-0.648
8:	-0.142	-1.250
9:	-0.567	-0.371
10:	-0.420	-0.174



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
 INITIAL & CYCLE TESTS
 2.50 LBS (plus or minus 0.50 LBS)
 3.00 LBS (plus or minus 0.75 LBS)
 4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO.

DATE 4-4-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.56	2.68		2.85	
PULL #2	2.61	2.65		2.64	
PULL #3	2.69	2.84		2.64	
PULL #4	2.65	2.62		2.75	
PULL #5	2.74	2.79		2.71	
TOTAL	13.25	13.58		13.59	
AVERAGE	2.65	2.71		2.71	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.53	3.39		
PULL #2	3.22	3.10		
PULL #3	3.48	3.36		
PULL #4	3.11	3.15		
PULL #5	3.34	3.25		
TOTAL	16.68	16.25		
AVERAGE	3.33	3.25		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.31	4.15		3.97
PULL #2	4.22	4.37		3.98
PULL #3	4.35	4.38		4.12
PULL #4	4.37	4.32		4.13
PULL #5	4.39	4.11		4.02
TOTAL	21.64	21.33		20.22
AVERAGE	4.32	4.26		4.04

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

R & E NUMBER	92476		
SERIAL NUMBER	C6611595		
LOG-IN DATE	2-4-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-5-05	RTL
560 A	RE-BARREL	4-7-05	RTL
B	DRILL AND TAP	4-11-05	TRW
575	ASSEMBLE	4-7-05	RTL
600	PROOF	4-8-05	AE
605	CHECK HEADSPACE	4-8-05	AE
610	DIS-ASSEMBLE GUN	4-11-05	RTL
612	MAGNAFLUX	OPERATOR	BS
615	ROLLMARK CALIBER	4-18-05	CW
618	ROTO-BLAST	4-18-05	LB
620	APPLY COATINGS	4-25-05	W?
625 A	FINAL ASSEMBLY	5-5-05	RTL
B	TRIGGER PULL TEST	5-9-05	TRW
C	SAFETY "ON" FORCE	5-9-05	AE
D	SAFETY "OFF" FORCE	5-9-05	AC
E	FIRING PIN INDENT	5-9-05	AC
640	TARGET	5-6-05	TRW
655	FINAL INSPECT	5-9-05	AC
660	PACK	5-10-05	QA
		SHIP DATE	
		QAR INSPECTION DATE	




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

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

MODEL 700™ H24

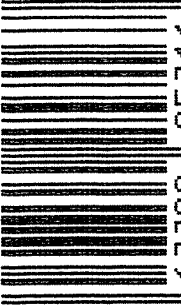
SERIAL NO. C6611595

ORDER NO. 5716

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

20

UPC



0 47700 25716 7



5716 C6611595

GUN SERIAL #

C6611595

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/17/91	K.S.
600	Proof		3/17/91	K.S.
607	Check Headspace		3/17/91	K.S.
610	Dis-assemble Gun		3/17/91	K.S.
612	Magnaflux Barrel Action		3/28/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	JS
617	Drill and Tap Sight Holes	APR	3 1991	Lib
618	Polish Barrel	APR	3 1991	Wk
620	Apply Coatings (Barrel Action)		4-19-91	LA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/1/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/91	KS
	C) Inspect Ejector Hole for Chamfer		5/1/91	KS
	D) Oil Firing Pin Ass'y		5/1/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5/1/91	JS

Op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/11/91	JP
	G) Safety Off Force	4	4	4			5/11/91	JP
	H) Trigger Pull Test & Retainability						5/11/91	JP
	I) Firing Pin Indent	.022	.022	.022			5/11/91	JP
	J) Assemble Stock						5-15-91	KS
	K) Assemble Swivel Studs						5-20-91	A
	L) Attach Front and Rear Sight Assemblies						5/15-91	KS
	M) Iron Sight Alignment						5/15-91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/15-91	KS
	O) Attach Scope to Rifle						5/15-91	KS
	P) Detach & Attach Scope 20 Times						5/15-91	KS
640	Gallery Target & Test						5-16-91	AC
	A) Time						5-16-91	AC
	B) Malfunctions						5-16-91	AC
	C) Pierced Primers						5-16-91	AC
	D) Optical Clarity of Scope						5-16-91	AC
645	Inspect for Live Ammo						5-16-91	AC
655	Final Inspection							
	A) Headspace						5-20-91	A
	B) Trigger Pull	2.43	2.21	2.21	2.20	2.18	5/20/91	JP
	C) Function						5-20-91	AC
660	Pack						6-19-91	N

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611595

DATE 5/11/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.31	2.40	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.27	2.30	2.21	
PULL #3	2.33	2.36	2.38	2.21	
PULL #4	2.27	2.33	2.35	2.20	
PULL #5	2.49	2.38	2.35	2.18	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.68	3.39		
PULL #2	3.67	3.56		
PULL #3	3.65	3.52		
PULL #4	3.62	3.62		
PULL #5	3.63	3.65		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.35		4.25
PULL #2	4.31	4.26		4.27
PULL #3	4.15	4.25		4.25
PULL #4	4.30	4.39		4.26
PULL #5	4.40	4.31		4.22
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611595
16 May 1991

CENTROIDAL DISTANCES

Ø TO	1	.265505
1 TO	2	.533322
1 TO	3	.756335
1 TO	4	.757887
1 TO	5	.255644

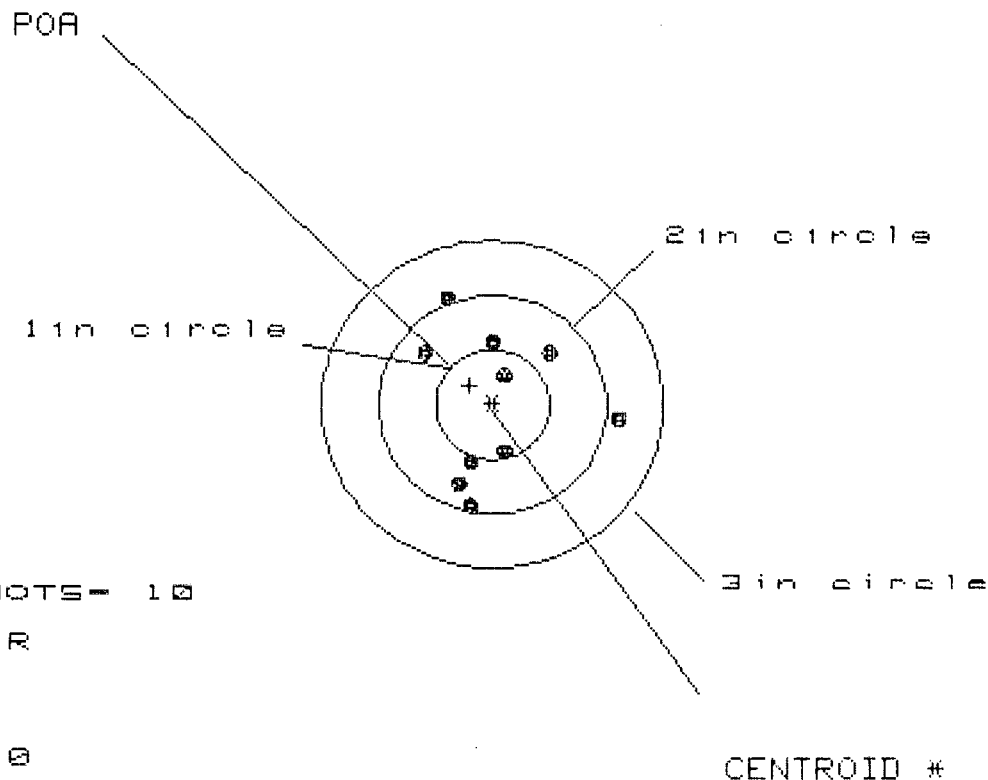
$\frac{3^4}{2^4}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0398
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1754
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .179859
THE AMR FOR THIS RIFLE IS: 1.004

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611595

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.741

VS= 1.876

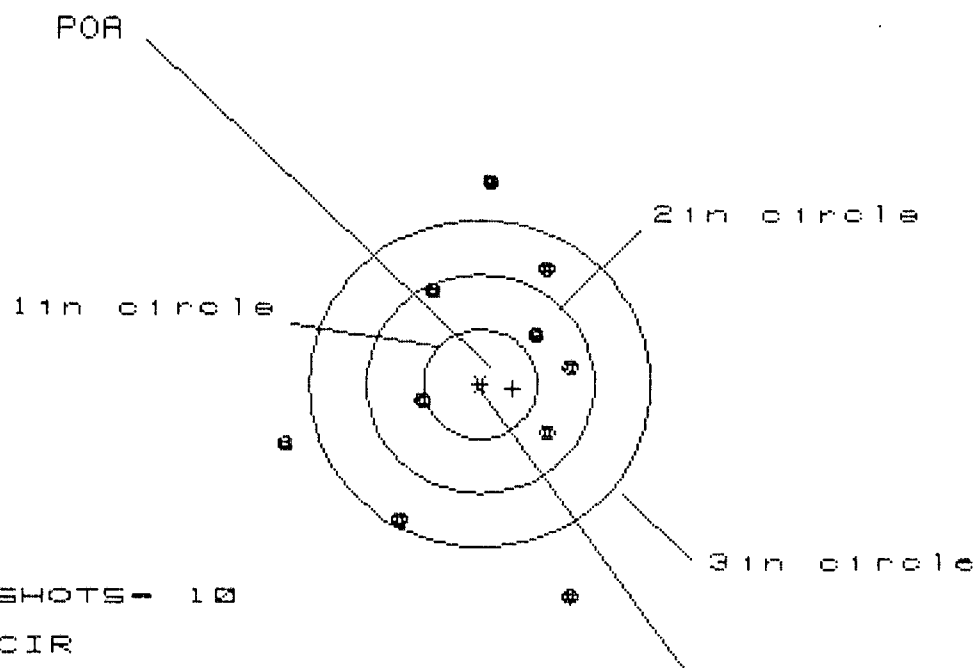
GS= 1.918

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.115	.586	.550
MINIMUM X	:	-.626	-.502	-.538
MAXIMUM Y	:	.988	.969	.644
MINIMUM Y	:	-.888	-.907	-.785
CENTROID X	:	.197	.073	.109
CENTROID Y	:	-.178	-.159	-.281
POA TO CENTROID in.	:	.265	.175	.301
MIN RADIUS	:	.320	.354	.386
MEAN RADIUS	:	.729	.681	.629
MAX RADIUS	:	1.128	1.012	.830
HORIZONTAL SPREAD	:	1.741	1.088	1.088
VERTICAL SPREAD	:	1.876	1.876	1.429
EXTREME SPREAD	:	1.918	1.888	1.558
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611595

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 2.508

VS = 3.763

GS = 3.837

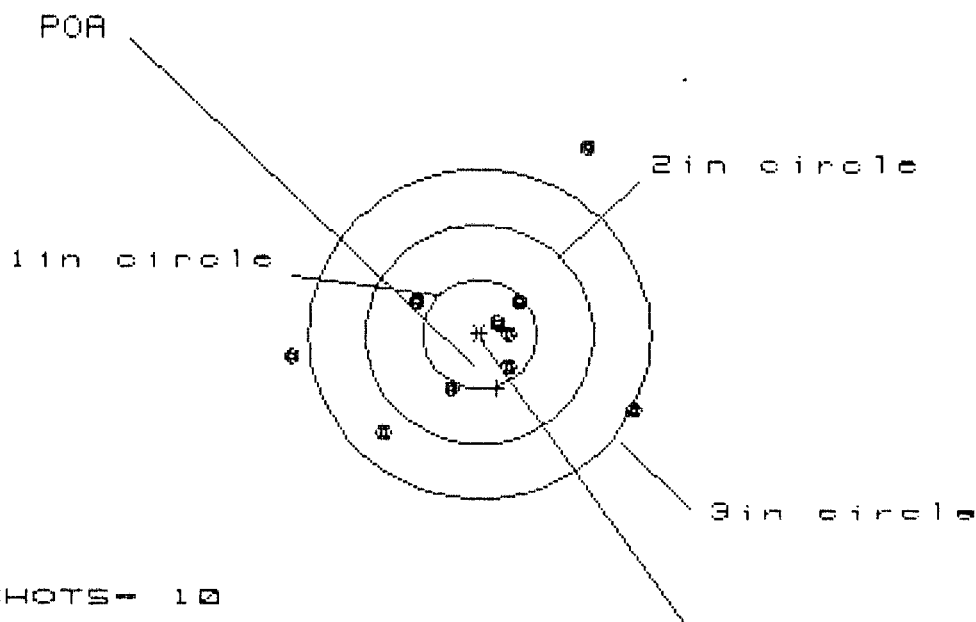
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.812	.881	.900
MINIMUM X	:	-1.696	-1.605	-1.586
MAXIMUM Y	:	1.841	1.628	1.014
MINIMUM Y	:	-1.921	-1.421	-1.218
CENTROID X	:	-.287	-.378	-.397
CENTROID Y	:	.046	.260	.057
POA TO CENTROID in.	:	.291	.458	.401
MIN RADIUS	:	.498	.538	.401
MEAN RADIUS	:	1.193	1.079	1.004
MAX RADIUS	:	2.086	1.755	1.665
HORIZONTAL SPREAD	:	2.508	2.486	2.486
VERTICAL SPREAD	:	3.763	3.049	2.232
EXTREME SPREAD	:	3.837	3.143	2.745
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6811595

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 7

HS= 3.034

VS= 2.592

GS= 3.255

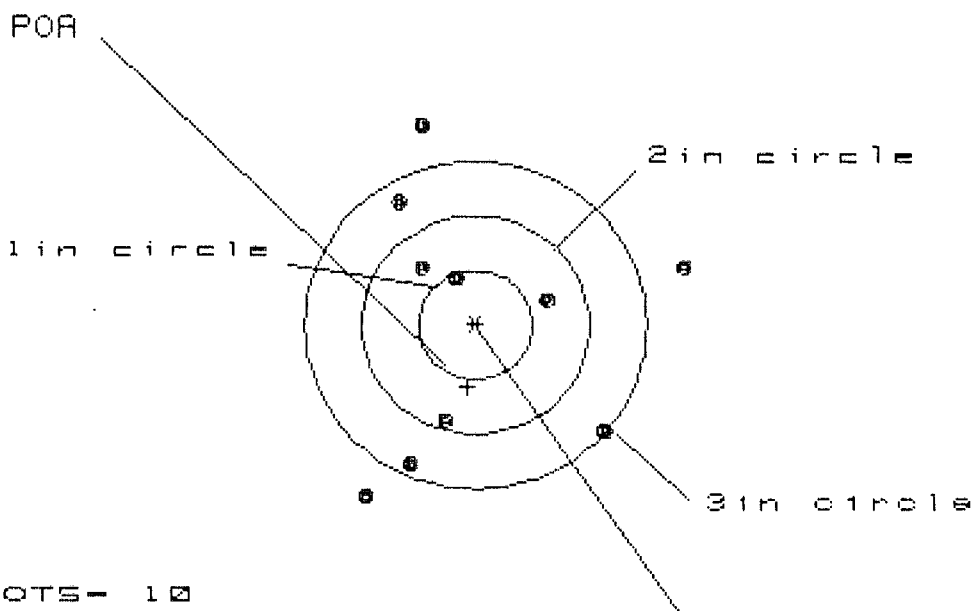
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.342	1.444	1.245
MINIMUM X	:	-1.692	-1.590	-.927
MAXIMUM Y	:	1.735	.520	.517
MINIMUM Y	:	-.857	-.664	-.667
CENTROID X	:	-.152	-.254	-.055
CENTROID Y	:	.493	.300	.303
POA TO CENTROID in.	:	.516	.393	.308
MIN RADIUS	:	.220	.296	.176
MEAN RADIUS	:	.888	.775	.637
MAX RADIUS	:	1.961	1.591	1.346
HORIZONTAL SPREAD	:	3.034	3.034	2.172
VERTICAL SPREAD	:	2.592	1.184	1.184
EXTREME SPREAD	:	3.255	3.073	2.177
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611595

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 2.751

VS= 3.352

GS= 3.441

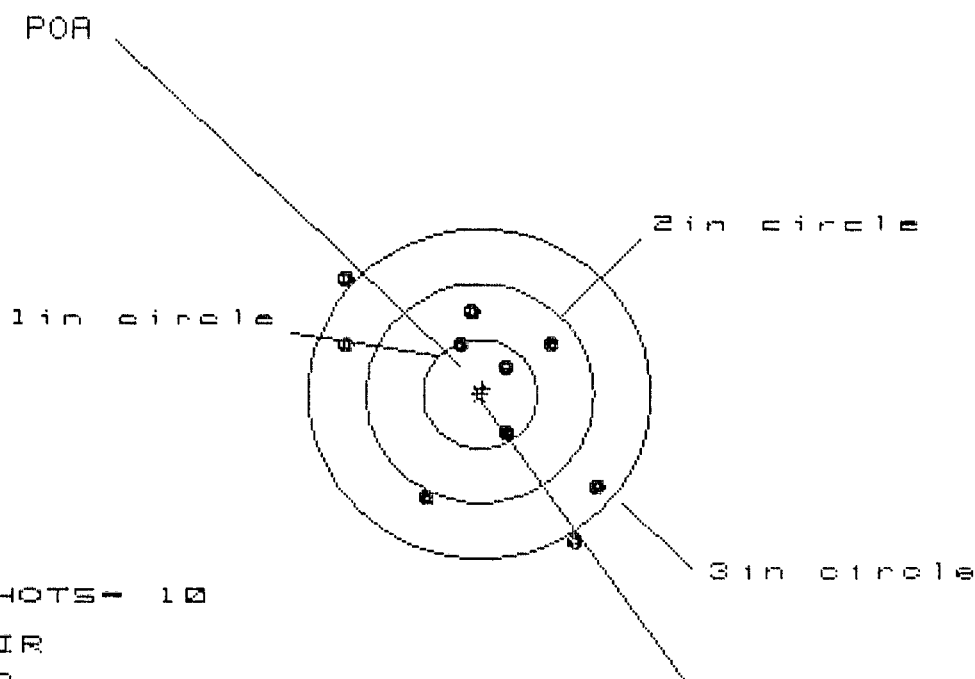
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.790	1.733	1.296
MINIMUM X	:	-.961	-1.018	-.801
MAXIMUM Y	:	1.805	1.360	1.450
MINIMUM Y	:	-1.547	-1.346	-1.256
CENTROID X	:	.069	.126	-.091
CENTROID Y	:	.569	.368	.278
POR TO CENTROID in.	:	.573	.389	.292
MIN RADIUS	:	.482	.666	.601
MEAN RADIUS	:	1.245	1.178	1.076
MAX RADIUS	:	1.876	1.877	1.552
HORIZONTAL SPREAD	:	2.751	2.751	2.097
VERTICAL SPREAD	:	3.352	2.706	2.706
EXTREME SPREAD	:	3.441	3.441	2.806
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			7	

16 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611595

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.134

VS= 2.468

GS= 3.162

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.984	1.076	.945
MINIMUM X	-1.150	-1.058	-1.189
MAXIMUM Y	1.097	.945	.702
MINIMUM Y	-1.371	-1.081	-.963
CENTROID X	-.026	-.118	.013
CENTROID Y	-.053	.099	-.019
POA TO CENTROID in.	.059	.155	.023
MIN RADIUS	.373	.353	.321
MEAN RADIUS	.966	.876	.799
MAX RADIUS	1.604	1.488	1.311
HORIZONTAL SPREAD	2.134	2.134	2.134
VERTICAL SPREAD	2.468	2.026	1.665
EXTREME SPREAD	3.162	2.901	2.508
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		