

C6611516

MODEL 700TM M24

Model **SWS**

Action TM

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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: RE00136593

Serial: C6611516 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 11/9/2007 8:16:58 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: 1/1 ADA

1/1 ADA

Address 1: LONGKNIFE

LONGKNIFE

Address 2:

PO Box:

PO Box:

City: FORT BLISS

FORT BLISS

State: TX

Zip Code: 79916

Country: US

State: TX

Zip Code: 79916

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
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

11/9/2007

9:14 AM

C&PS

NUM

INS

SCRL

start

6 A

7 I

A...

3 M

P...

A M...

2 S

M...

9:14 AM

Serial
Number:

C6611516

Model: M24 SWS



RE00136593

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611516.__0

FILE DATE AND TIME: 02/15/2008 11:10

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.036
The Average Y Centroid of the Five Target Set:	-0.001
The Average Point of Impact of the Five Target Set:	0.036
The Average Mean Radius of the Five Target Set:	0.839
The Distance from POA to Centroid Target #1:	0.153
The Distance from Centroid Target #2 to Centroid Target #1:	0.465
The Distance from Centroid Target #3 to Centroid Target #1:	0.202
The Distance from Centroid Target #4 to Centroid Target #1:	0.113
The Distance from Centroid Target #5 to Centroid Target #1:	0.026

SERIAL NUMBER: C6611516. 0

TARGET NUMBER: 1

FILE DATE: 02/15/2008

FILE TIME: 11:10

X CENTROID: -0.059

Y CENTROID: -0.142

POA TO CENTROID: 0.153

HORZ SPREAD: 2.489

VERT SPREAD: 3.921

GROUP SPREAD: 3.986

MIN RADIUS: 0.409

MAX RADIUS: 2.100

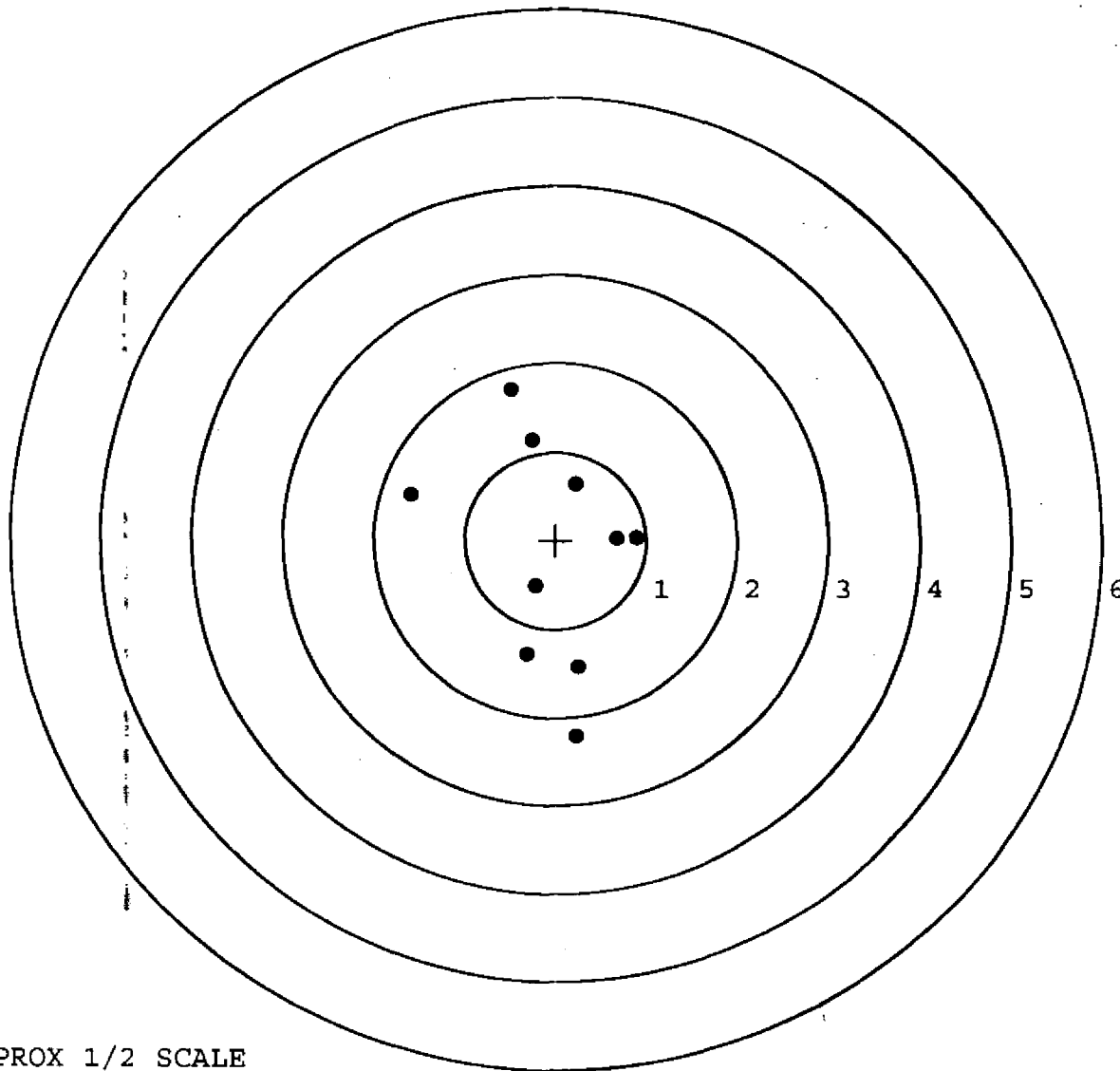
MEAN RADIUS: 1.241

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.899	0.028
2:	0.675	0.022
3:	0.230	0.636
4:	-0.257	1.135
5:	-1.590	0.515
6:	-0.226	-0.515
7:	-0.319	-1.282
8:	0.260	-1.432
9:	0.230	-2.222
10:	-0.487	1.699



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611516.0

TARGET NUMBER: 2

FILE DATE: 02/15/2008

FILE TIME: 11:10

X CENTROID: -0.091

Y CENTROID: 0.323

POA TO CENTROID: 0.335

HORZ SPREAD: 2.771

VERT SPREAD: 3.076

GROUP SPREAD: 3.904

MIN RADIUS: 0.325

MAX RADIUS: 2.442

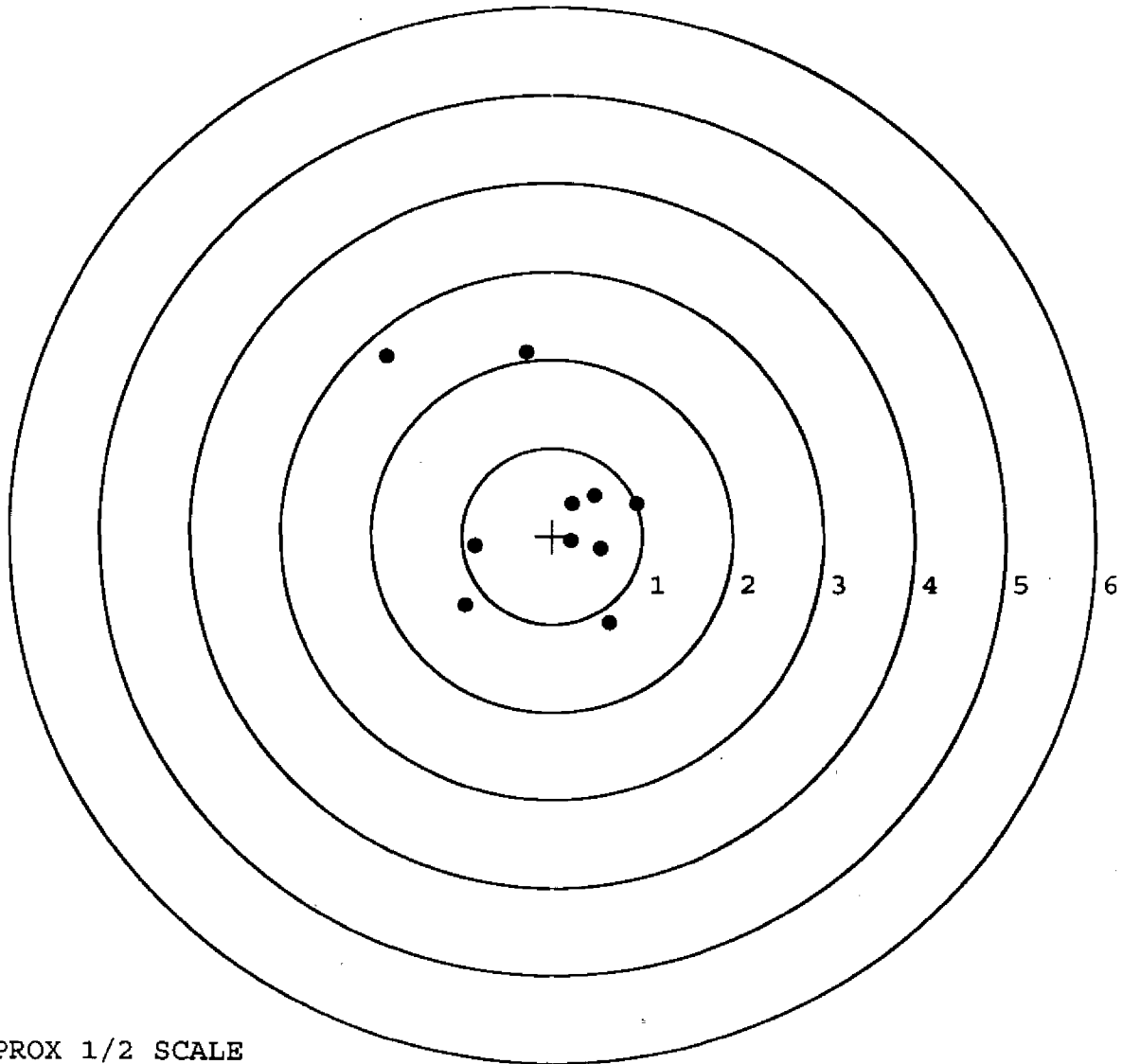
MEAN RADIUS: 1.122

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.634	-0.991
2:	0.940	0.369
3:	0.478	0.461
4:	0.230	0.373
5:	0.208	-0.058
6:	0.540	-0.146
7:	-0.966	-0.788
8:	-0.856	-0.116
9:	-0.283	2.085
10:	-1.831	2.036



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: **BARBER - M24 0078097** 0

TARGET NUMBER: 3

FILE DATE: 02/15/2008

FILE TIME: 11:10

X CENTROID: 0.071

Y CENTROID: 0.013

POA TO CENTROID: 0.072

HORZ SPREAD: 1.661

VERT SPREAD: 0.800

GROUP SPREAD: 1.719

MIN RADIUS: 0.328

MAX RADIUS: 0.927

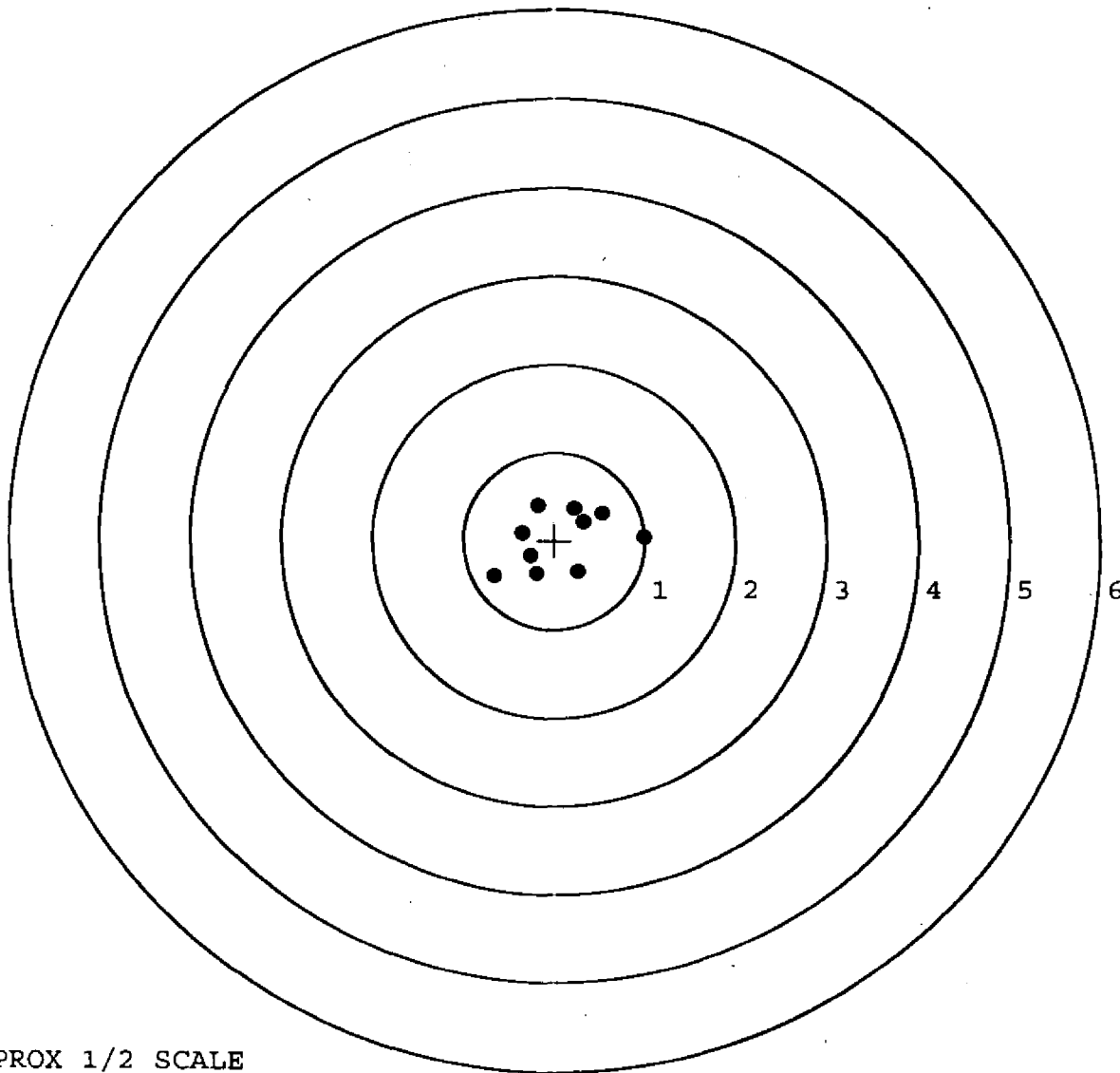
MEAN RADIUS: 0.518

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.998	0.043
2:	0.260	-0.352
3:	-0.266	-0.170
4:	-0.196	-0.368
5:	-0.663	-0.398
6:	-0.350	0.092
7:	-0.174	0.402
8:	0.232	0.362
9:	0.333	0.210
10:	0.536	0.311



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611516. 0

TARGET NUMBER: 4

FILE DATE: 02/15/2008

FILE TIME: 11:10

X CENTROID: -0.035

Y CENTROID: -0.031

POA TO CENTROID: 0.047

HORZ SPREAD: 1.704

VERT SPREAD: 1.585

GROUP SPREAD: 2.101

MIN RADIUS: 0.185

MAX RADIUS: 1.149

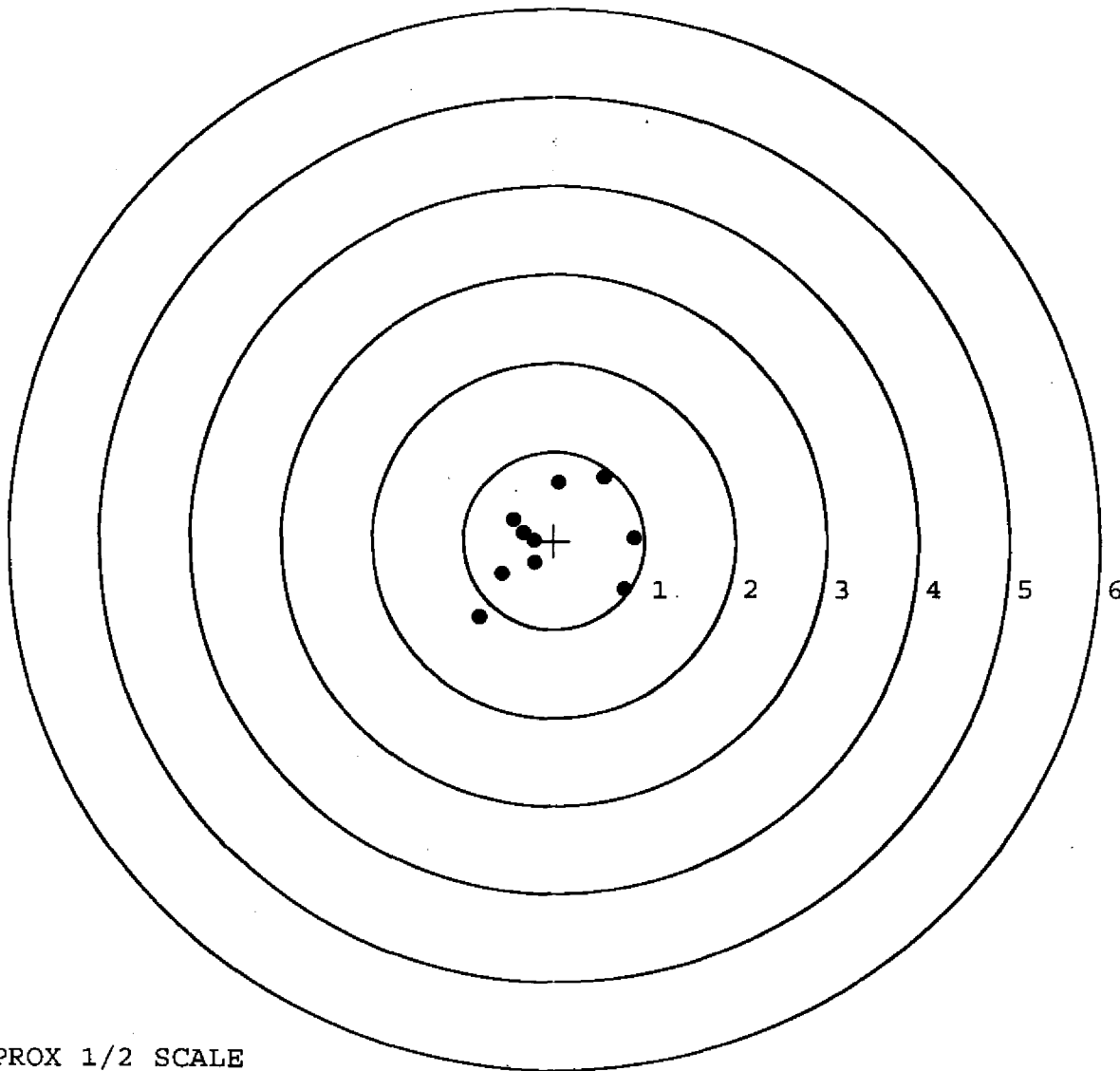
MEAN RADIUS: 0.660

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.774	-0.548
2:	0.881	0.030
3:	0.556	0.717
4:	0.058	0.654
5:	-0.443	0.238
6:	-0.335	0.087
7:	-0.217	0.003
8:	-0.220	-0.247
9:	-0.580	-0.379
10:	-0.823	-0.868



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611516. 0

TARGET NUMBER: 5

FILE DATE: 02/15/2008

FILE TIME: 11:10

X CENTROID: -0.067

Y CENTROID: -0.166

POA TO CENTROID: 0.179

HORZ SPREAD: 1.745

VERT SPREAD: 1.486

GROUP SPREAD: 1.796

MIN RADIUS: 0.210

MAX RADIUS: 1.117

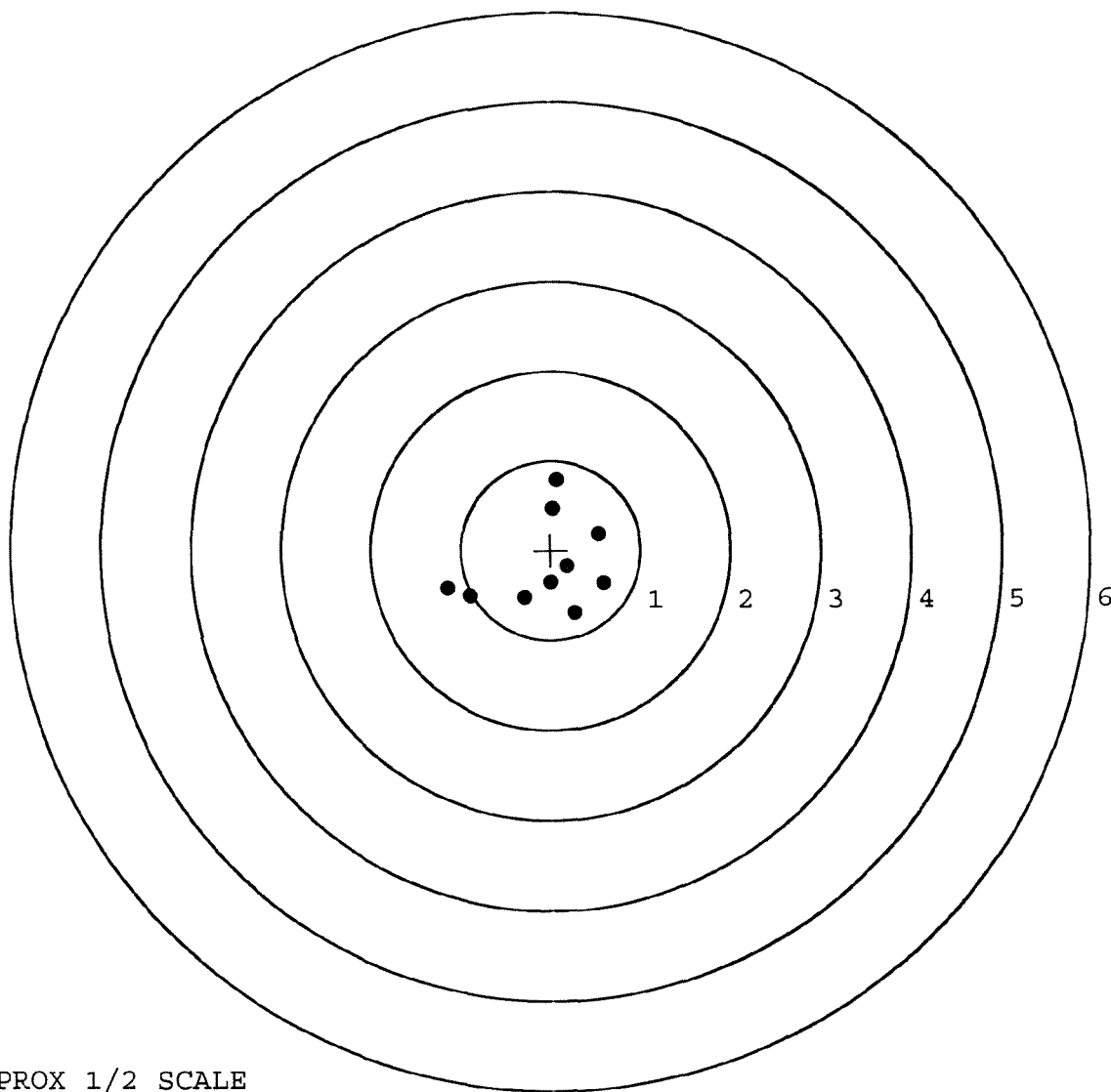
MEAN RADIUS: 0.652

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.264	-0.703
2:	0.593	-0.371
3:	0.184	-0.184
4:	0.004	-0.363
5:	-0.299	-0.530
6:	0.535	0.184
7:	0.024	0.464
8:	0.069	0.783
9:	-0.896	-0.508
10:	-1.152	-0.432



TARGET APPROX 1/2 SCALE

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

R & E NUMBER

136593

SERIAL NUMBER

C6611516

LOG-IN DATE

11-9-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	2-4-08	RTZ
505	RE-BARREL	2-5-08	S.P.D.
560	ASSEMBLE	2-5-08	S.P.D.
600	PROOF	2-6-08	TRW
605	CHECK HEADSPACE	2-6-08	TRW
610	DIS-ASSEMBLE GUN	2-6-08	S.P.D.
612	MAGNAFLUX	2-7-08	unus
510	DRILL AND TAP	2-6-08	TRW
615	ROLLMARK CALIBER	2-6-08	CW
618	ROTO-BLAST	2-7-08	DG
620	APPLY COATINGS	2-11-08	CM
625	FINAL ASSEMBLY	2-13-08	RTZ
640	FUNCTION TEST AND	2-14-08	TRW
650	TARGET	2-14-08	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	2-14-08	RP
	A) HEADSPACE	2-20-08	TRW
	B) TRIGGER PULL	2-20-08	TRW
		2-20-08	TRW
680	F) SAFETY ON FORCE	2-20-08	TRW
	G) SAFETY OFF FORCE	2-20-08	TRW
	I) FIRING PIN INDENT	2-20-08	TRW
690	PACK	2-22-08	Fm

Repair Inquiry

Repair Number: RE00092928

Serial: C6611516 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1990

Repairman:

Status:

Closed 2/10/2005 1:13:51 PM

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

FRL:

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
A023	Scope	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

maglet

2/14/2005

3:15 AM

CAPS

NUM

INS

SCPL

start

5

2

3

AIMS PC 1.5

Serial Number:

C6611516

Model: M24 SWS



RE00092928

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611516.___0
FILE DATE AND TIME: 06/09/2005 06:53

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.074
The Average Y Centroid of the Five Target Set:	-0.089
The Average Point of Impact of the Five Target Set:	0.116
The Average Mean Radius of the Five Target Set:	0.793
The Distance from POA to Centroid Target #1:	0.184
The Distance from Centroid Target #2 to Centroid Target #1:	0.390
The Distance from Centroid Target #3 to Centroid Target #1:	0.229
The Distance from Centroid Target #4 to Centroid Target #1:	0.052
The Distance from Centroid Target #5 to Centroid Target #1:	0.404

SERIAL NUMBER: C6611516. __0

TARGET NUMBER: 1

FILE DATE: 06/09/2005

FILE TIME: 06:53

X CENTROID: -0.113

Y CENTROID: -0.145

POA TO CENTROID: 0.184

HORZ SPREAD: 1.226

VERT SPREAD: 2.416

GROUP SPREAD: 2.421

MIN RADIUS: 0.456

MAX RADIUS: 1.529

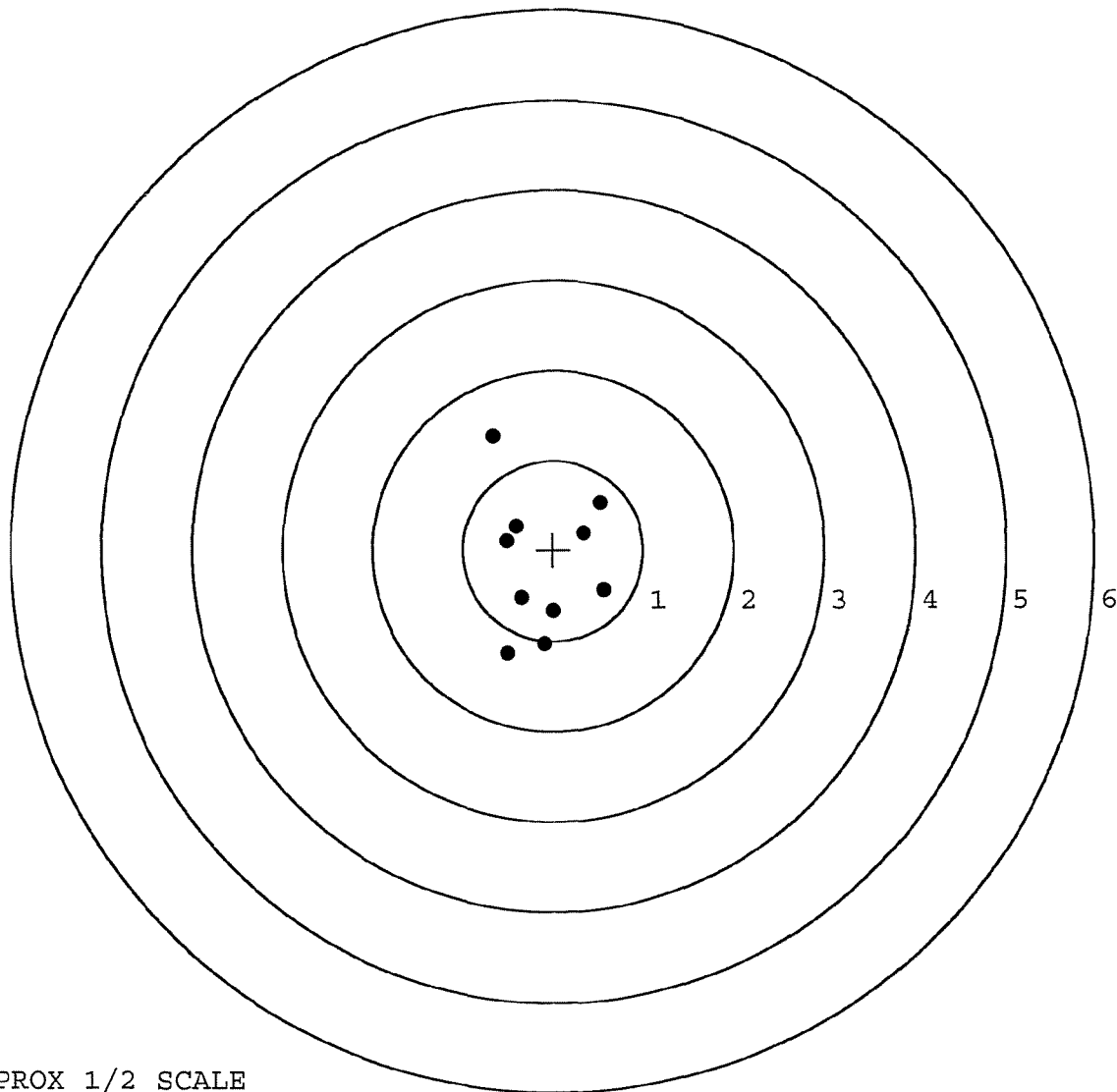
MEAN RADIUS: 0.771

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.560	-0.442
2:	-0.097	-1.036
3:	-0.512	-1.136
4:	0.524	0.532
5:	0.346	0.192
6:	-0.410	0.264
7:	-0.520	0.103
8:	-0.666	1.280
9:	-0.002	-0.678
10:	-0.355	-0.532



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611516. __0

TARGET NUMBER: 2

FILE DATE: 06/09/2005

FILE TIME: 06:53

X CENTROID: 0.143

Y CENTROID: 0.149

POA TO CENTROID: 0.207

HORZ SPREAD: 2.061

VERT SPREAD: 1.975

GROUP SPREAD: 2.270

MIN RADIUS: 0.216

MAX RADIUS: 1.505

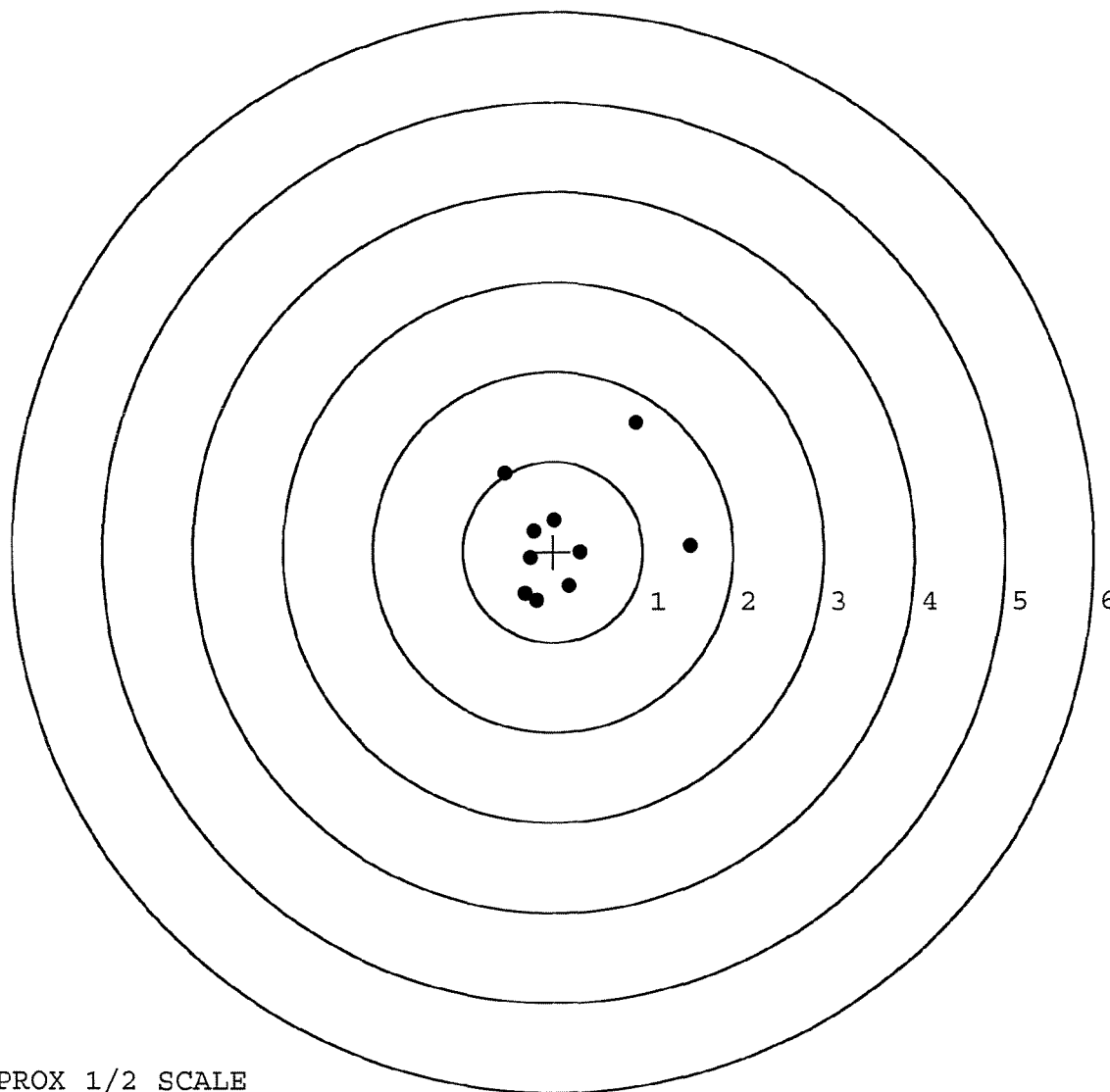
MEAN RADIUS: 0.723

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.527	0.067
2:	-0.534	0.871
3:	0.009	0.351
4:	0.301	0.002
5:	-0.218	0.227
6:	0.174	-0.384
7:	-0.187	-0.544
8:	-0.317	-0.460
9:	-0.256	-0.070
10:	0.932	1.431



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611516. 0

TARGET NUMBER: 3

FILE DATE: 06/09/2005

FILE TIME: 06:53

X CENTROID: 0.115

Y CENTROID: -0.127

POA TO CENTROID: 0.171

HORZ SPREAD: 1.669

VERT SPREAD: 1.725

GROUP SPREAD: 1.720

MIN RADIUS: 0.260

MAX RADIUS: 0.912

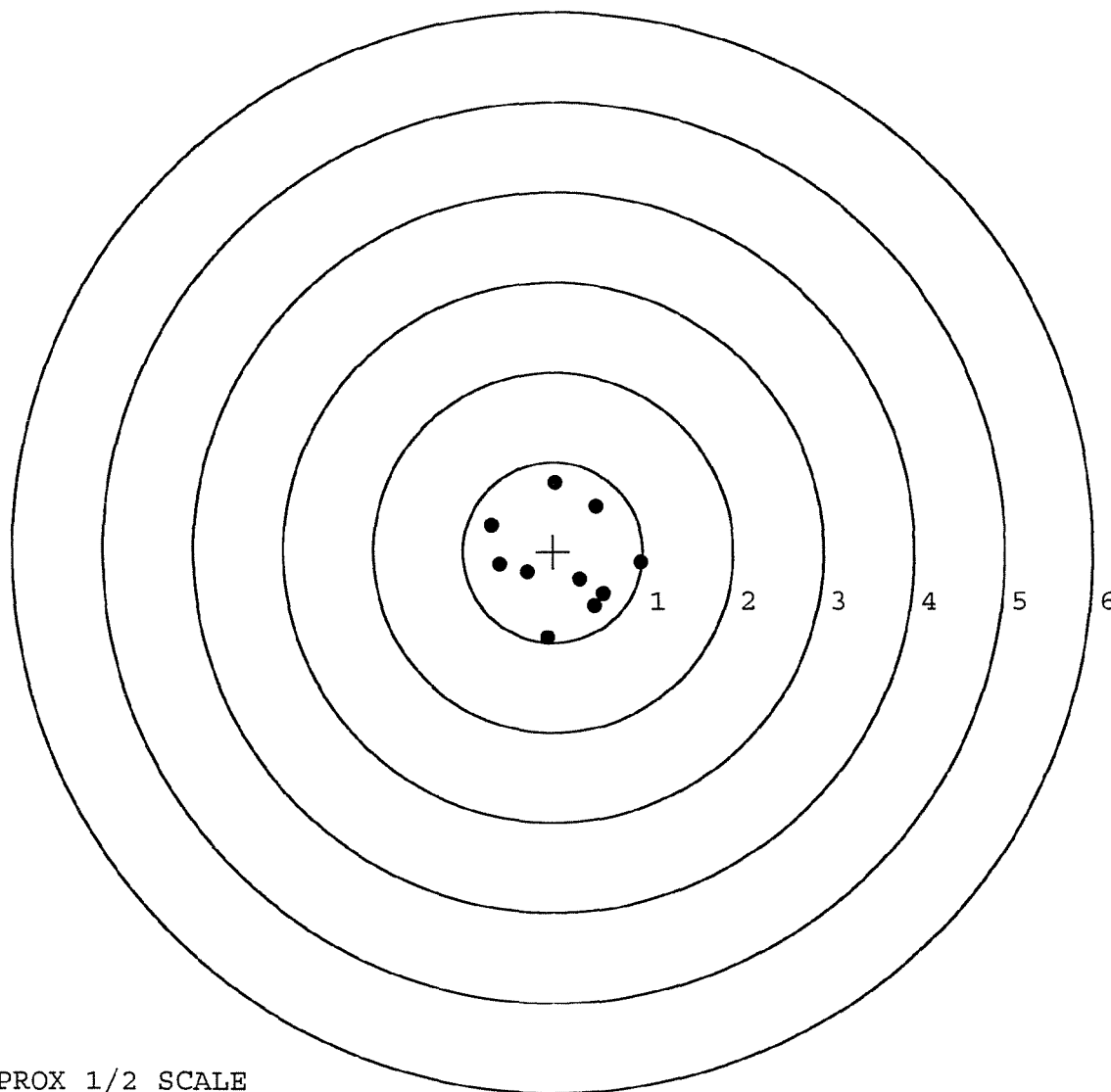
MEAN RADIUS: 0.678

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.976	-0.120
2:	-0.064	-0.958
3:	0.456	-0.605
4:	0.298	-0.312
5:	-0.289	-0.233
6:	-0.596	-0.142
7:	-0.693	0.297
8:	0.025	0.767
9:	0.477	0.503
10:	0.556	-0.469



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611516. __0

TARGET NUMBER: 4

FILE DATE: 06/09/2005

FILE TIME: 06:53

X CENTROID: -0.067

Y CENTROID: -0.170

POA TO CENTROID: 0.183

HORZ SPREAD: 4.016

VERT SPREAD: 2.926

GROUP SPREAD: 4.068

MIN RADIUS: 0.231

MAX RADIUS: 2.220

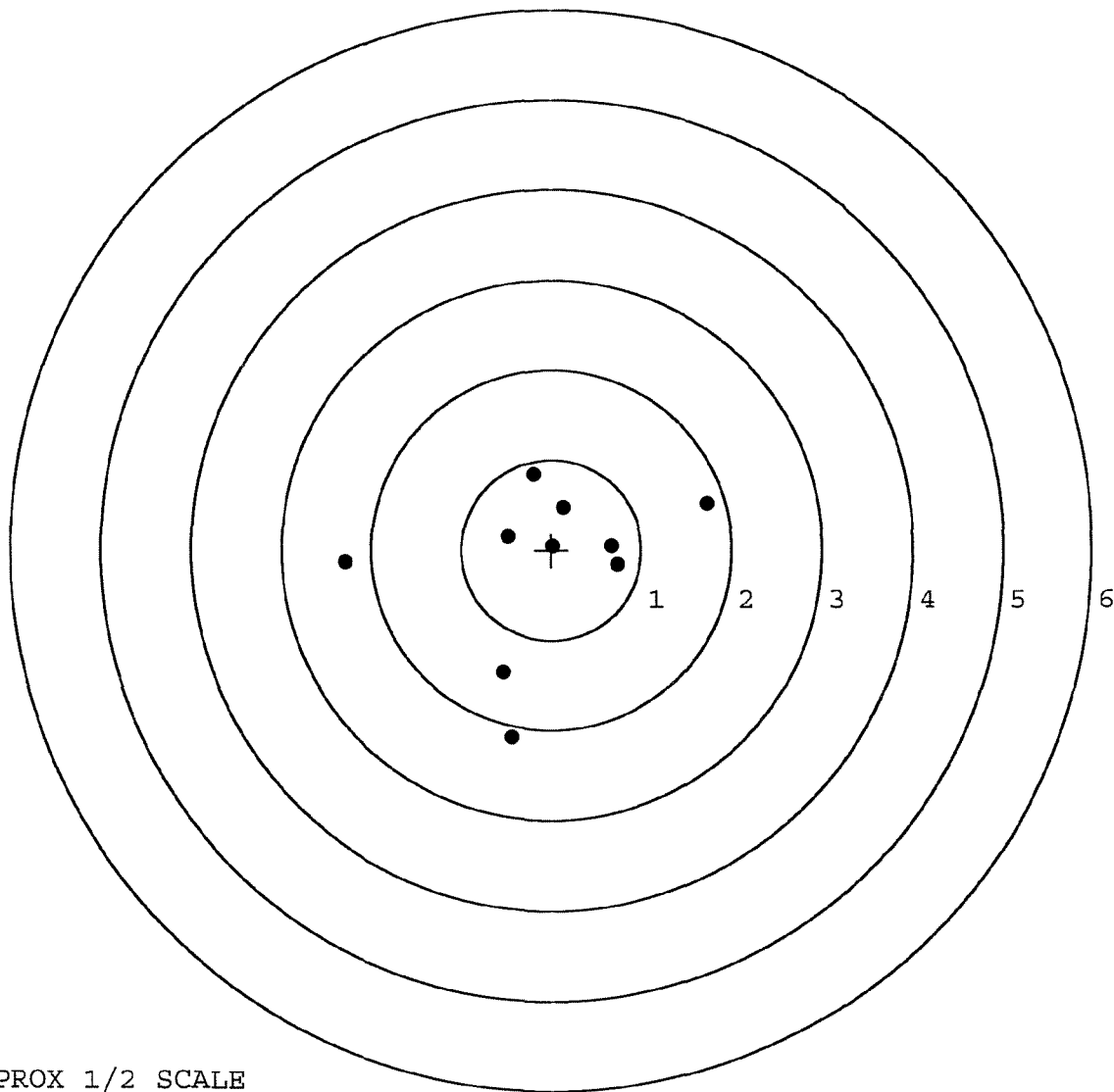
MEAN RADIUS: 1.140

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	1.729	0.511
2:	0.740	-0.161
3:	0.673	0.043
4:	0.020	0.044
5:	0.127	0.467
6:	-0.200	0.835
7:	-0.445	-2.091
8:	-0.545	-1.364
9:	-2.287	-0.139
10:	-0.483	0.153



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611516. __0

TARGET NUMBER: 5

FILE DATE: 06/09/2005

FILE TIME: 06:53

X CENTROID: 0.291

Y CENTROID: -0.154

POA TO CENTROID: 0.329

HORZ SPREAD: 1.979

VERT SPREAD: 1.896

GROUP SPREAD: 2.129

MIN RADIUS: 0.019

MAX RADIUS: 1.441

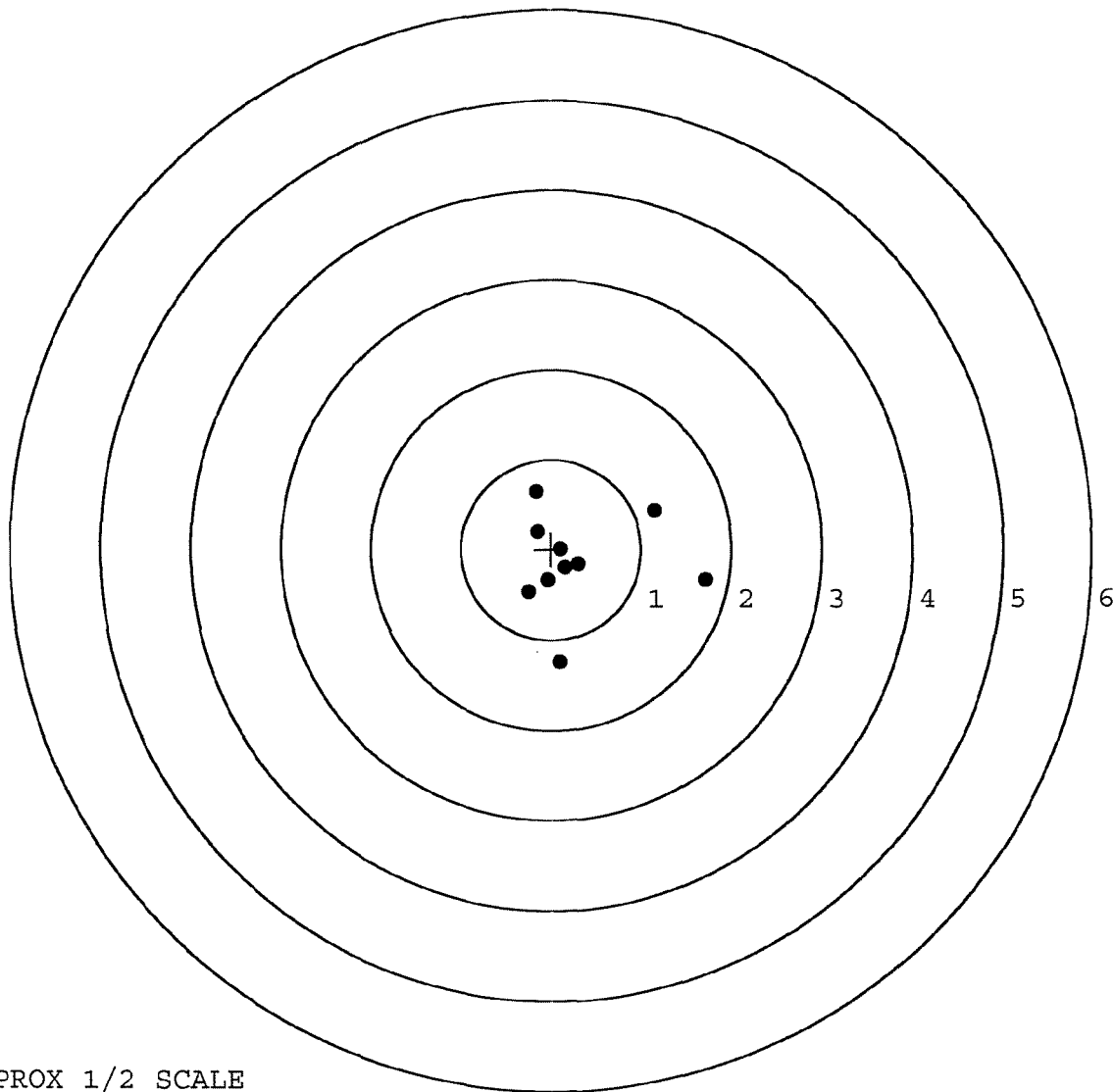
MEAN RADIUS: 0.651

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.151	0.428
2:	0.097	-1.253
3:	-0.167	0.643
4:	-0.152	0.194
5:	1.720	-0.342
6:	0.105	-0.002
7:	0.156	-0.209
8:	-0.043	-0.349
9:	-0.259	-0.480
10:	0.303	-0.169



TARGET APPROX 1/2 SCALE

R & E NUMBER	92928		
SERIAL NUMBER	C6611514		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-28-05	RTZ
560 A	RE-BARREL	5-3-05	RTZ
B	DRILL AND TAP	5-5-05	TRW
575	ASSEMBLE	5-3-05	RTZ
600	PROOF	5-4-05	Ac
605	CHECK HEADSPACE	5-4-05	Ac
610	DIS-ASSEMBLE GUN	5-6-05	RTZ
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	5-9-05	CW
618	ROTO-BLAST	5-9-05	LB
620	APPLY COATINGS	5-16-05	WJ
625 A	FINAL ASSEMBLY	5-20-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	6-9-05	Ac
D	SAFETY "OFF" FORCE	6-9-05	Ac
E	FIRING PIN INDENT	6-9-05	Ac
640	TARGET	6-9-05	Ac
655	FINAL INSPECT	6-9-05	Ac
660	PACK	7-6-05	BA
		SHIP DATE	
		QAR INSPECTION DATE	

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6611516
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6611516



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611516

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/13/91	K.S.
600	Proof		3/13/91	K.S.
607	Check Headspace		3/13/91	K.S.
610	Dis-assemble Gun		3/13/91	K.S.
612	Magnaflux Barrel Action		3/27/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS.
617	Drill and Tap Sight Holes	APR	3 1991	EB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)		4-12-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/2/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/2/91	KS
	C) Inspect Ejector Hole for Chamfer		5/2/91	KS
	D) Oil Firing Pin Ass'y		5/2/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5/8/91	JS

op. #	BARBER - M24 0078111	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/8/91	QU
	G) Safety Off Force	4	4	4			5/8/91	QU
	H) Trigger Pull Test & Retainability						5/8/91	QU
	I) Firing Pin Indent	1021	10215	10215			5/8/91	QU
	J) Assemble Stock						5/8/91	KS
	K) Assemble Swivel Studs						5-17-91	A
	L) Attach Front and Rear Sight Assemblies						5/8/91	KS
	M) Iron Sight Alignment						5/8/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/8/91	KS
	O) Attach Scope to Rifle						5/8/91	KS
	P) Detach & Attach Scope 20 Times						5/8/91	KS
640	Gallery Target & Test						5-10-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						5-10-91	NF
655	Final Inspection							
	A) Headspace						5-17-91	A
	B) Trigger Pull	252	260	262	251	251	5/13/91	QU
	C) Function						5-17-91	A
660	Pack						6-18-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C-6611516DATE 5/8/91TESTER JP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.58	2.44	2.46	2.52	MIN. SETTING,
PULL #2	2.28	2.37	2.44	2.60	NO AVG. OF 5
PULL #3	2.27	2.35	2.40	2.62	READINGS ACCEPT-
PULL #4	2.16	2.39	2.39	2.51	ABLE LESS THAN 2#
PULL #5	2.24	2.39	2.41	2.51	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.34		
PULL #2	3.25	3.25		
PULL #3	3.24	3.30		
PULL #4	3.18	3.36		
PULL #5	3.20	3.40		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.33		4.29
PULL #2	4.21	4.31		4.31
PULL #3	4.31	4.31		4.26
PULL #4	4.35	4.34		4.30
PULL #5	4.27	4.32		4.31
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611516
10 May 1991

CENTROIDAL DISTANCES

0 TO	1	.495924
1 TO	2	.708122
1 TO	3	.177138
1 TO	4	.547636
1 TO	5	.664151

5
4
3
2
1
-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0324
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.094
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .094
THE AMR FOR THIS RIFLE IS: .9626

18 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611516

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 3.368

VS= 4.200

GS= 4.216

PATTERN #

:

1

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

2.281

2.324

1.894

MINIMUM X

:

-1.087

-1.044

-.753

MAXIMUM Y

:

1.750

1.478

1.461

MINIMUM Y

:

-2.450

-2.359

-2.376

CENTROID X

:

.279

.236

-.055

CENTROID Y

:

-.410

-.138

-.121

POA TO CENTROID in.:

.496

.273

.133

MIN RADIUS

:

.646

.406

.330

MEAN RADIUS

:

1.400

1.190

.958

MAX RADIUS

:

2.481

2.466

2.414

HORIZONTAL SPREAD

:

3.368

3.368

1.847

VERTICAL SPREAD

:

4.200

3.837

3.837

EXTREME SPREAD

:

4.216

4.128

4.128

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

4

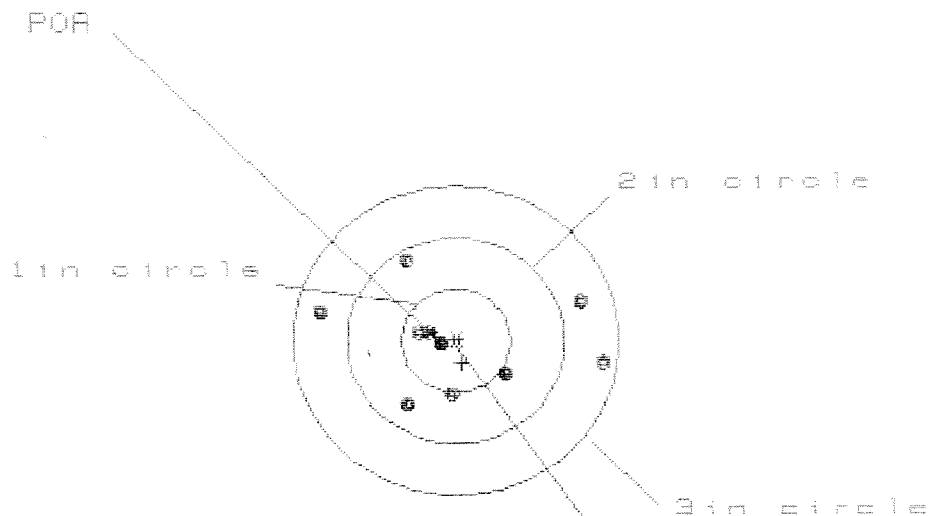
NUMBER IN THREE INCH CIRCLE =

6

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 2.529

VS = 1.402

GS = 2.566

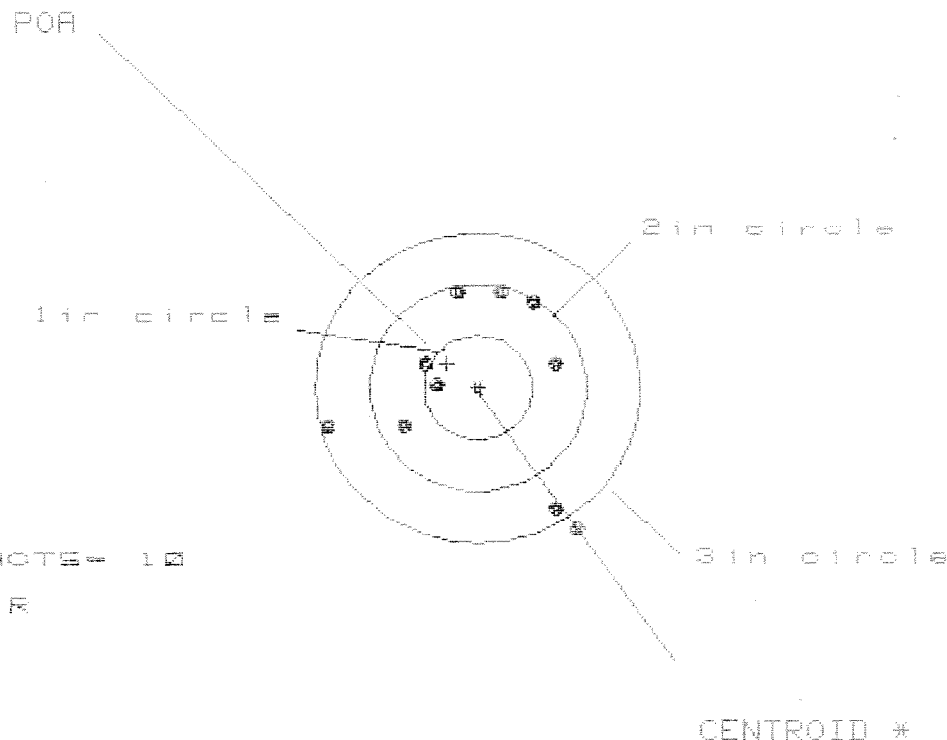
CENTROID *

PATTERN #	2	3	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.327	1.338	.757
MINIMUM X	-1.202	-1.055	-.888
MAXIMUM Y	.818	.797	.847
MINIMUM Y	-.584	-.605	-.555
CENTROID X	-.052	-.200	-.367
CENTROID Y	.216	.237	.187
POA TO CENTROID in.	.222	.310	.412
MIN RADIUS	.192	.087	.125
MEAN RADIUS	.740	.630	.513
MAX RADIUS	1.340	1.396	.930
HORIZONTAL SPREAD	2.529	2.393	1.645
VERTICAL SPREAD	1.402	1.402	1.402
EXTREME SPREAD	2.566	2.399	1.744
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS = 2.280

VS = 2.289

GS = 2.488

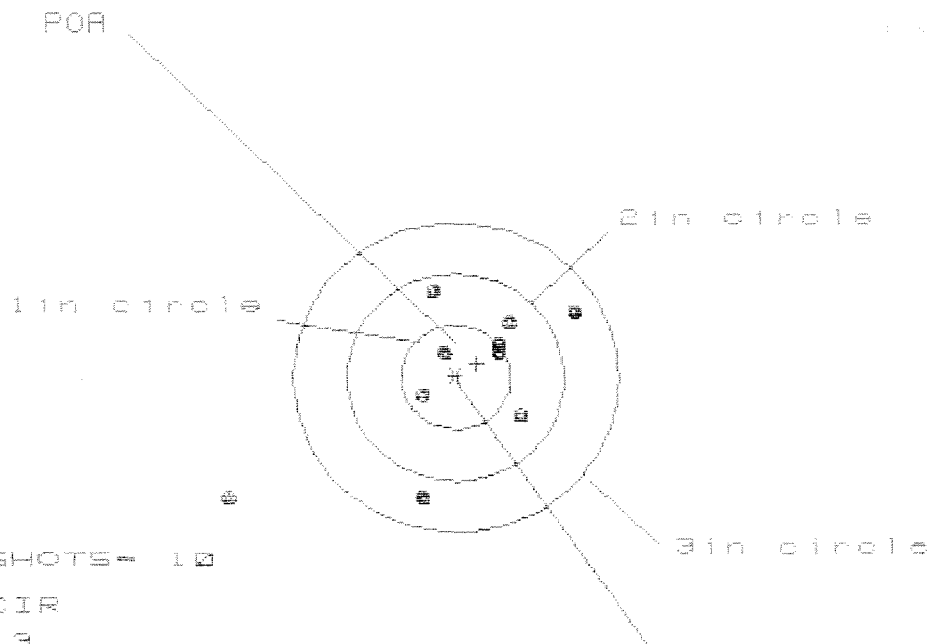
CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.989	.847	.687
MINIMUM X	-1.381	-1.280	-.716
MAXIMUM Y	.973	.826	.763
MINIMUM Y	-1.326	-1.307	-1.370
CENTROID X	.286	.185	.345
CENTROID Y	-.233	-.086	-.023
POA TO CENTROID in.	.369	.204	.345
MIN RADIUS	.385	.295	.466
MEAN RADIUS	.975	.866	.806
MAX RADIUS	1.608	1.537	1.515
HORIZONTAL SPREAD	2.290	2.127	1.483
VERTICAL SPREAD	2.299	2.133	2.133
EXTREME SPREAD	2.488	2.266	2.247
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 9

HS = 3.125

VS = 2.009

GS = 3.607

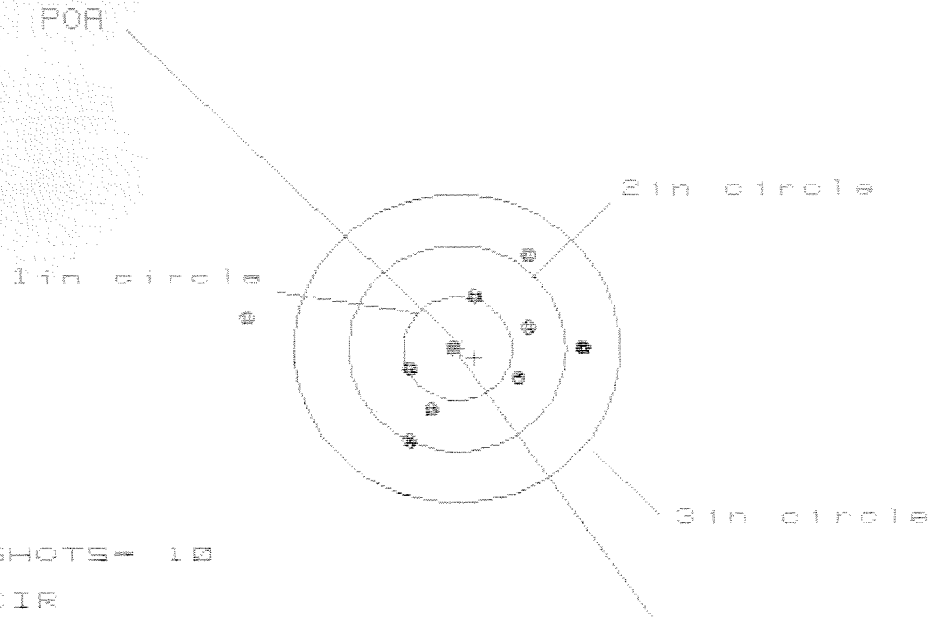
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.058	.828	.472
MINIMUM X	:	-2.067	-.560	-.456
MAXIMUM Y	:	.839	.709	.772
MINIMUM Y	:	-1.170	-1.293	-1.230
CENTROID X	:	-.194	.036	-.068
CENTROID Y	:	-.134	-.004	-.067
POA TO CENTROID in.	:	.236	.036	.095
MIN RADIUS	:	.277	.229	.287
MEAN RADIUS	:	.876	.641	.614
MAX RADIUS	:	2.375	1.409	1.312
HORIZONTAL SPREAD	:	3.125	1.388	.928
VERTICAL SPREAD	:	2.009	2.002	2.002
EXTREME SPREAD	:	3.607	2.269	2.005
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 3.047

VS= 1.848

GS= 3.063

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.125	.912	.577
MINIMUM X	-1.922	-.670	-.556
MAXIMUM Y	.915	.946	.946
MINIMUM Y	-.933	-.982	-.982
CENTROID X	-.157	.056	-.058
CENTROID Y	.091	.060	.060
POA TO CENTROID in.	.182	.082	.083
MIN RADIUS	.053	.269	.157
MEAN RADIUS	.822	.690	.649
MAX RADIUS	1.942	1.123	1.097
HORIZONTAL SPREAD	3.047	1.582	1.133
VERTICAL SPREAD	1.848	1.848	1.848
EXTREME SPREAD	3.063	2.157	2.157
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		