

GC44 1544
Replaced
C. 622 5388

Repair Inquiry

Repair Number: RE00129835

Serial: G6461546 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

New 5/30/2007 10:13:56 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: TRANSPORTATION DIVISION DFEL

TRANSPORTATION DIVISION DFEL

Address 1: 6759 MITCHELL AVENUE

6759 MITCHELL AVENUE

Address 2: BLDG 1836

PO Box:

BLDG 1836

PO Box:

City: FORT BENNING

FORT BENNING

State: GA

Zip Code: 31905

Country: US

State: GA

Zip Code: 31905

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
A057	Fit and Rear Sgt Base	2

Repair Search

Refresh

Close

nagletj

5/30/2007

2:04 PM

CAPS

NUM

INS

SCRL



2:04 PM

Serial Number: G6461546

Model: M24 SWS



RE00129835

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461546.___0
FILE DATE AND TIME: 07/26/2007 07:07

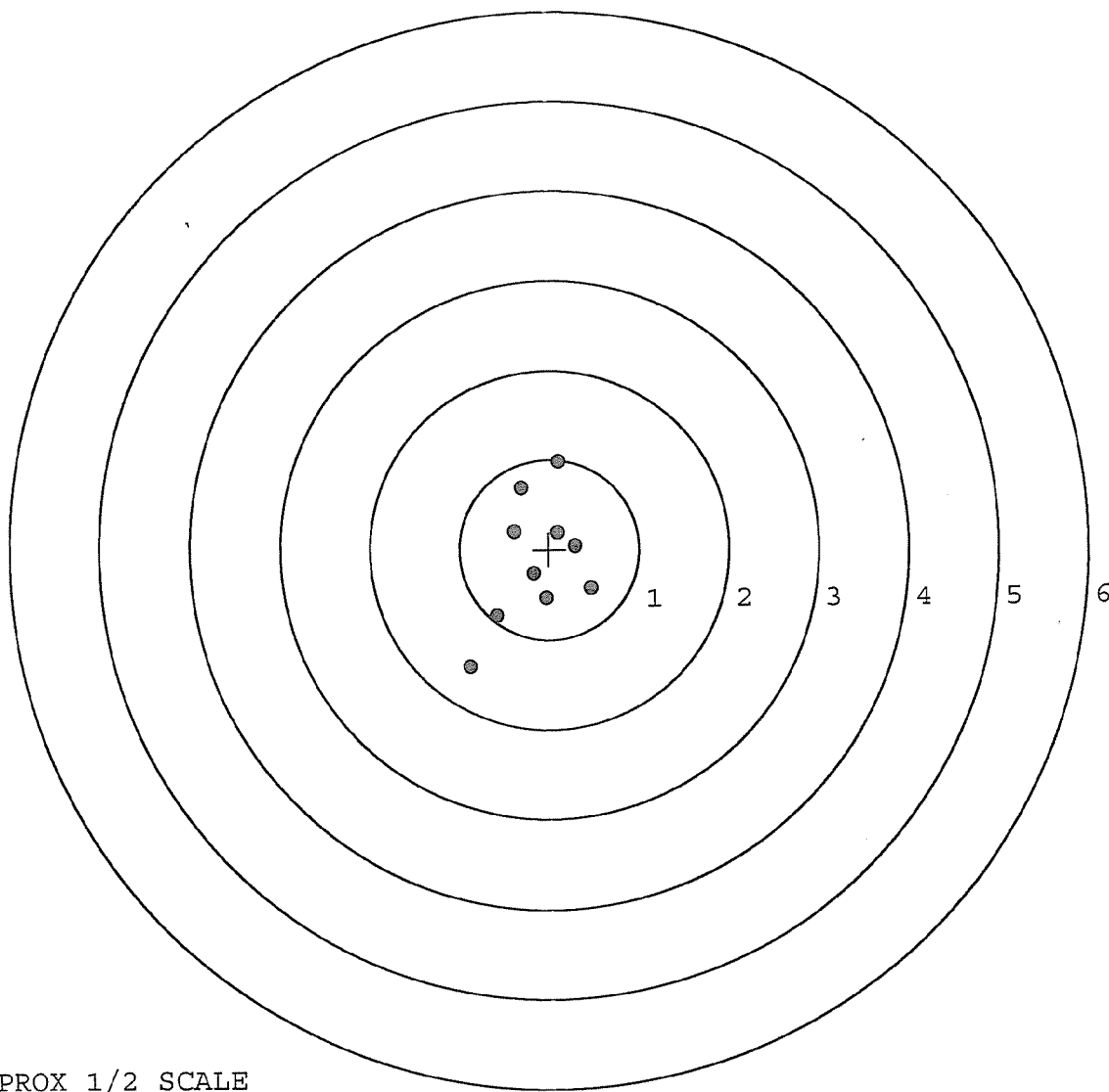
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.087
The Average Y Centroid of the Five Target Set:	-0.089
The Average Point of Impact of the Five Target Set:	0.124
The Average Mean Radius of the Five Target Set:	0.591
The Distance from POA to Centroid Target #1:	0.187
The Distance from Centroid Target #2 to Centroid Target #1:	0.156
The Distance from Centroid Target #3 to Centroid Target #1:	0.072
The Distance from Centroid Target #4 to Centroid Target #1:	0.148
The Distance from Centroid Target #5 to Centroid Target #1:	0.053

SERIAL NUMBER: G6461546.___0
TARGET NUMBER: 1
FILE DATE: 07/26/2007
FILE TIME: 07:07

X CENTROID: -0.144
Y CENTROID: -0.120
POA TO CENTROID: 0.187
HORZ SPREAD: 1.350
VERT SPREAD: 2.273
GROUP SPREAD: 2.482
MIN RADIUS: 0.152
MAX RADIUS: 1.390
MEAN RADIUS: 0.662
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.463	-0.438
2:	-0.176	-0.269
3:	-0.038	-0.546
4:	-0.588	-0.735
5:	-0.887	-1.295
6:	0.289	0.039
7:	0.095	0.186
8:	-0.390	0.194
9:	-0.313	0.682
10:	0.110	0.978

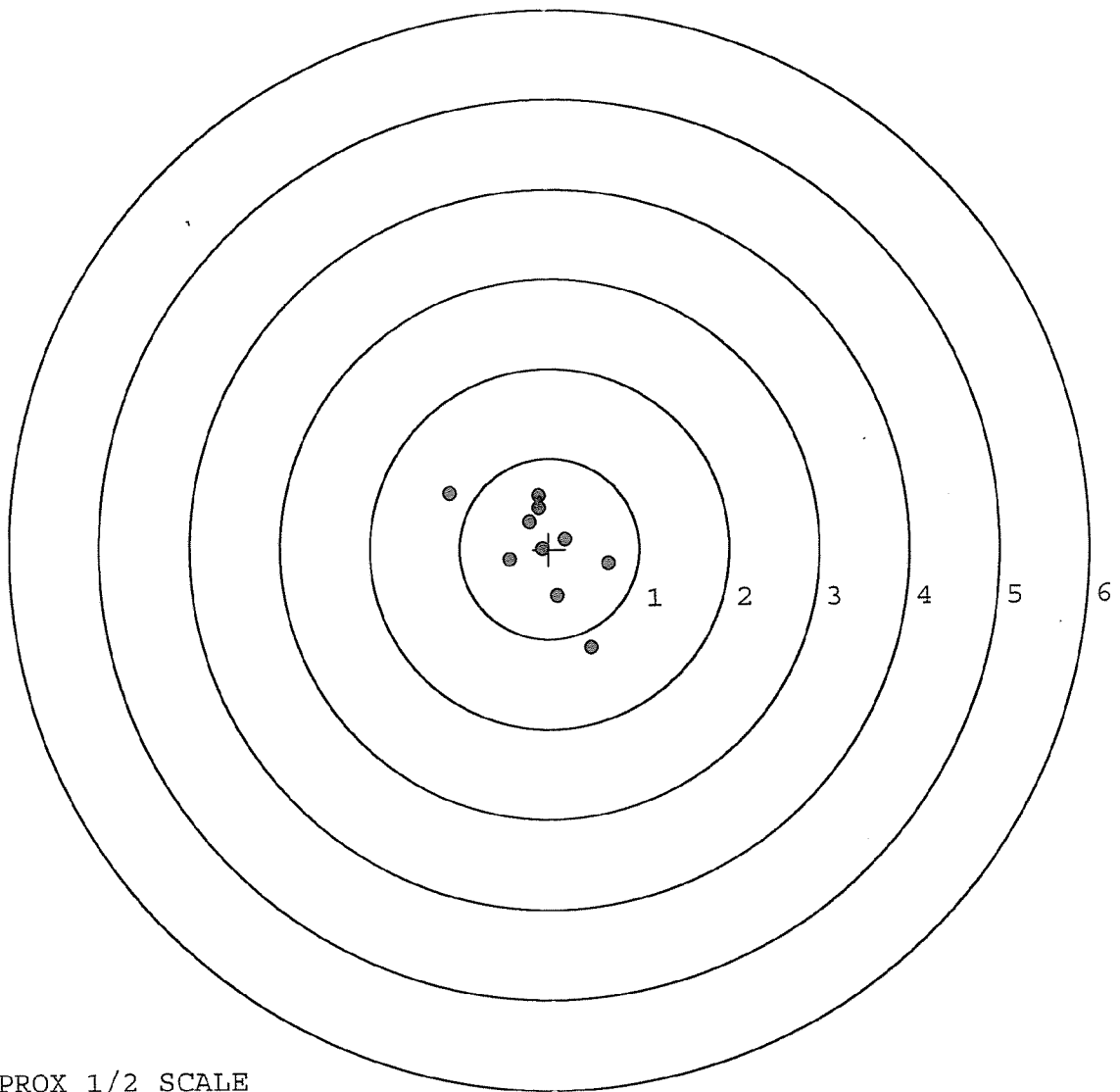


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461546.___0
TARGET NUMBER: 2
FILE DATE: 07/26/2007
FILE TIME: 07:07

X CENTROID: -0.068
Y CENTROID: 0.017
POA TO CENTROID: 0.070
HORZ SPREAD: 1.760
VERT SPREAD: 1.727
GROUP SPREAD: 2.325
MIN RADIUS: 0.017
MAX RADIUS: 1.237
MEAN RADIUS: 0.577
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.456	-1.104
2:	0.659	-0.171
3:	0.088	-0.525
4:	-1.101	0.623
5:	-0.440	-0.118
6:	-0.119	0.590
7:	-0.117	0.454
8:	-0.216	0.306
9:	0.180	0.110
10:	-0.074	0.001



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461546. __0

TARGET NUMBER: 3

FILE DATE: 07/26/2007

FILE TIME: 07:07

POINT#	X	Y
1:	0.600	0.016
2:	0.557	0.568
3:	0.247	0.428
4:	0.286	-0.421
5:	0.083	-0.406
6:	-0.241	0.131
7:	-0.144	0.435
8:	-0.337	-0.393
9:	-0.741	-0.536
10:	-1.059	-0.813

X CENTROID: -0.075

Y CENTROID: -0.099

POA TO CENTROID: 0.124

HORZ SPREAD: 1.659

VERT SPREAD: 1.381

GROUP SPREAD: 2.126

MIN RADIUS: 0.284

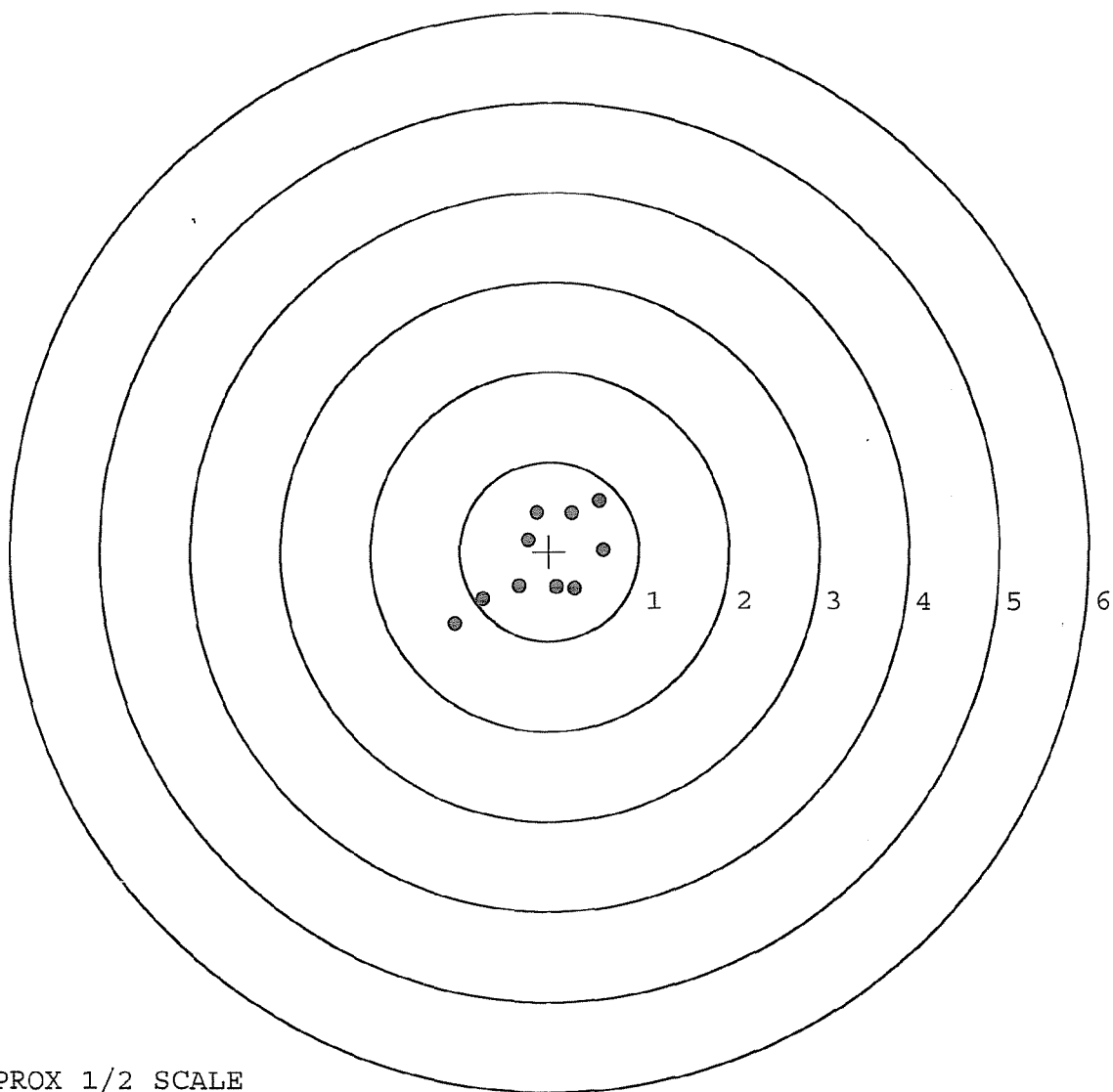
MAX RADIUS: 1.216

MEAN RADIUS: 0.628

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461546.___0

TARGET NUMBER: 4

FILE DATE: 07/26/2007

FILE TIME: 07:07

POINT#	X	Y
--------	---	---

1:	0.436	-0.865
----	-------	--------

2:	0.419	-0.084
----	-------	--------

3:	0.217	-0.140
----	-------	--------

4:	0.071	-0.018
----	-------	--------

5:	0.026	0.108
----	-------	-------

6:	-0.064	0.220
----	--------	-------

7:	-0.245	0.280
----	--------	-------

8:	-0.195	0.032
----	--------	-------

9:	-0.291	-0.074
----	--------	--------

10:	-0.424	-0.148
-----	--------	--------

X CENTROID: -0.005

Y CENTROID: -0.069

POA TO CENTROID: 0.069

HORZ SPREAD: 0.860

VERT SPREAD: 1.145

GROUP SPREAD: 1.332

MIN RADIUS: 0.091

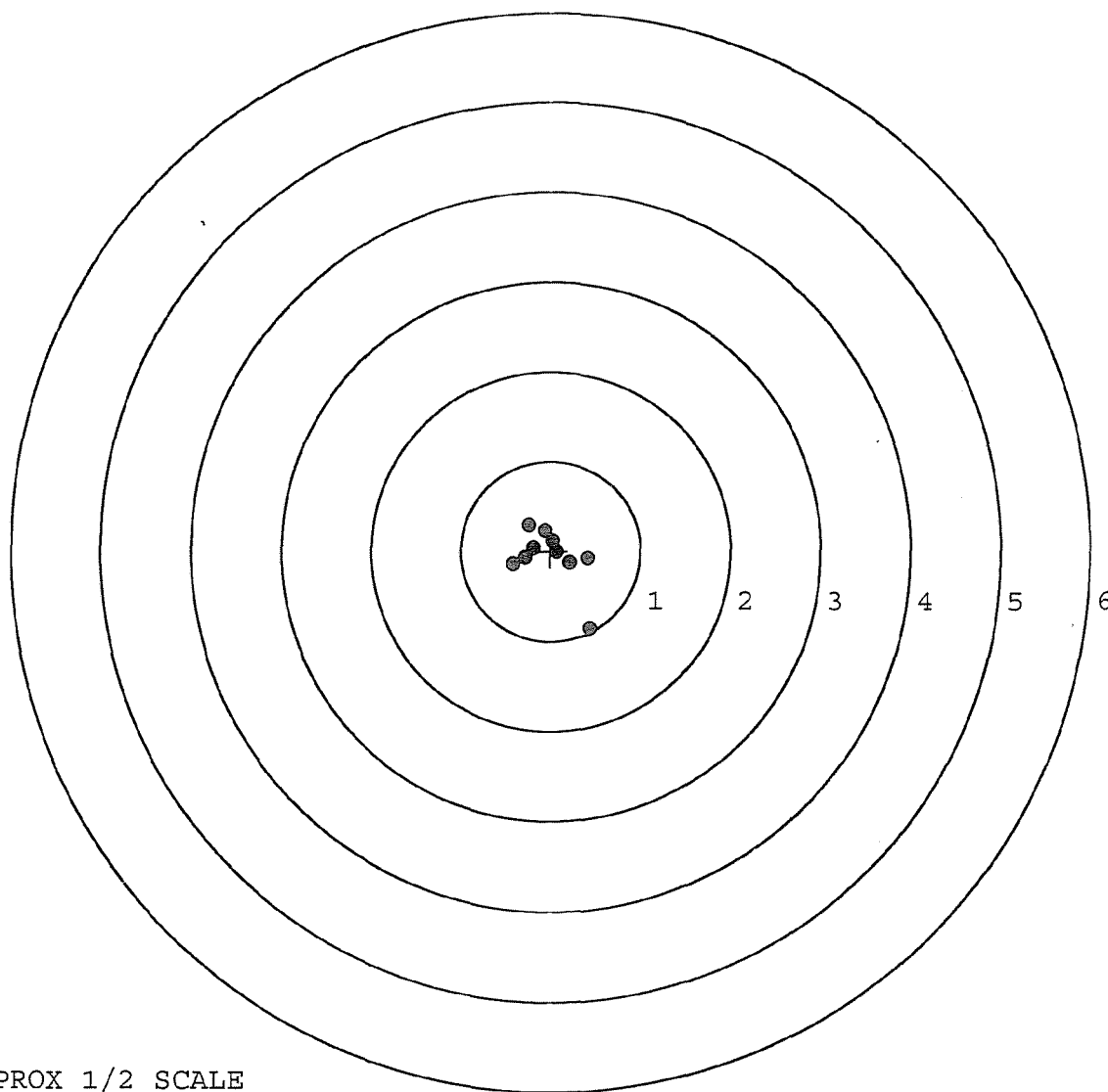
MAX RADIUS: 0.910

MEAN RADIUS: 0.348

IN 1 IN DIAMETER: 9

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461546. 0

TARGET NUMBER: 5

FILE DATE: 07/26/2007

FILE TIME: 07:07

X CENTROID: -0.142

Y CENTROID: -0.174

POA TO CENTROID: 0.224

HORZ SPREAD: 1.848

VERT SPREAD: 1.997

GROUP SPREAD: 2.148

MIN RADIUS: 0.275

MAX RADIUS: 1.330

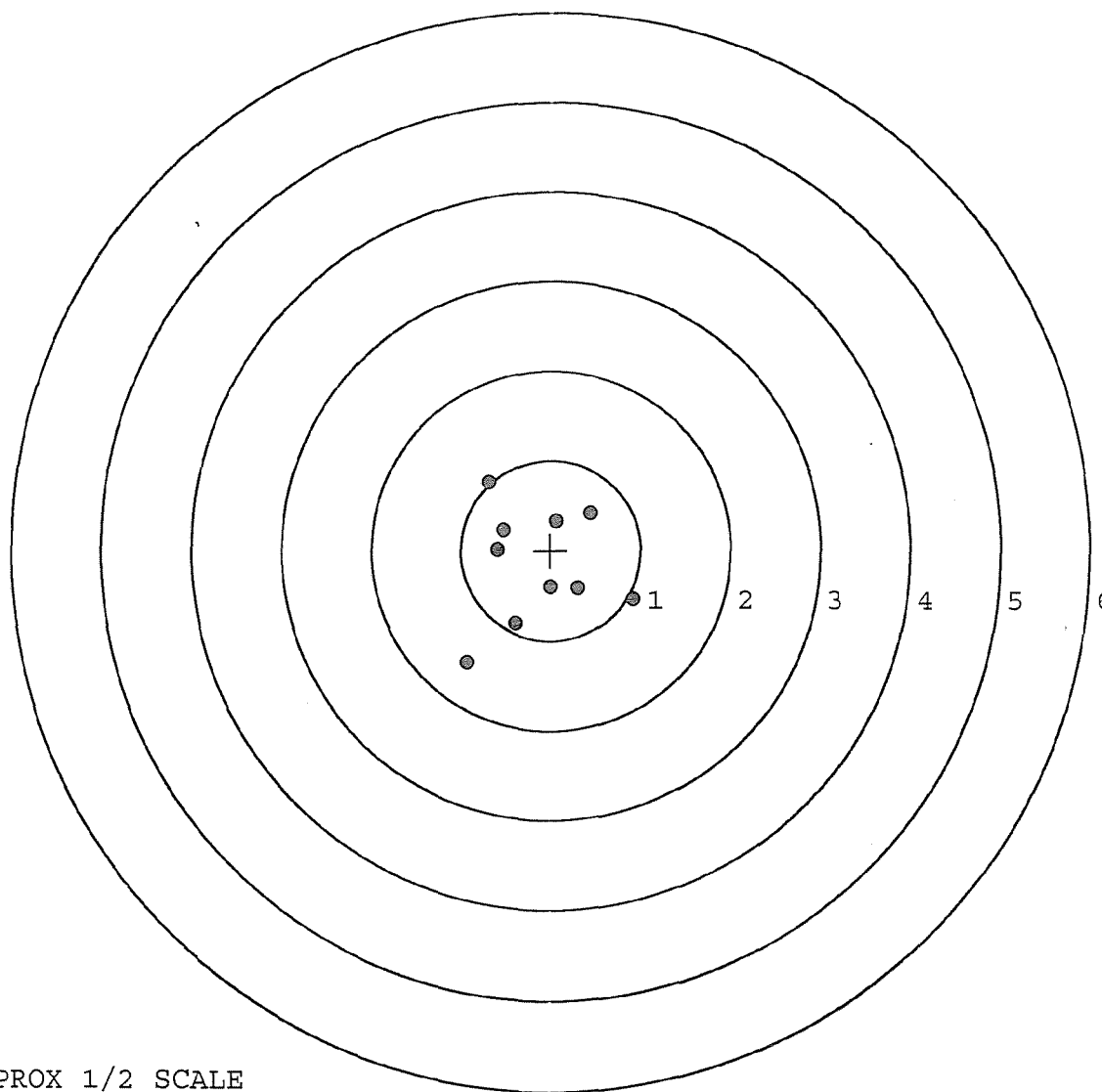
MEAN RADIUS: 0.740

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.915	-0.545
2:	0.300	-0.424
3:	-0.005	-0.412
4:	-0.394	-0.818
5:	-0.933	-1.243
6:	0.443	0.407
7:	0.066	0.322
8:	-0.532	0.224
9:	-0.588	-0.001
10:	-0.693	0.754



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		129835		
SERIAL NUMBER		G60461546		
LOG-IN DATE		5-30-07		
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		7-10-07	RTZ
505	RE-BARREL		7-13-07	RTZ
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	RTZ
612	MAGNAFLUX	MAGNA-FLUX OPERATOR <i>unnd</i>	7/17/07	<i>unnd</i>
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		7-24-07	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	7-24-07	TRW
650	TARGET	(PASS) FAIL	7-24-07	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	7-25-07	Fm
670	FINAL INSPECTION		7-26-07	DA
	A) HEADSPACE	PASS FAIL		
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.86 2.83 2.71 2.71 2.73	7-26-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.2 4.2 4.2	DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.0 2.0 2.0	DA
	I) FIRING PIN INDENT	.020	.023 .023 .023	DA
690	PACK			

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461546.__0
FILE DATE AND TIME: 03/14/2006 16:09

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.116
The Average Y Centroid of the Five Target Set:	0.038
The Average Point of Impact of the Five Target Set:	0.122
The Average Mean Radius of the Five Target Set:	0.727
The Distance from POA to Centroid Target #1:	0.245
The Distance from Centroid Target #2 to Centroid Target #1:	0.359
The Distance from Centroid Target #3 to Centroid Target #1:	0.255
The Distance from Centroid Target #4 to Centroid Target #1:	0.246
The Distance from Centroid Target #5 to Centroid Target #1:	0.326

SERIAL NUMBER: G6461546. 0

TARGET NUMBER: 1

FILE DATE: 03/14/2006

FILE TIME: 16:09

POINT#	X	Y
1:	0.000	0.000
2:	-0.532	-1.332
3:	-0.349	-1.242
4:	-0.195	-1.475
5:	0.014	-1.120
6:	-0.418	-0.030
7:	-0.783	0.805
8:	0.013	0.661
9:	0.192	0.857
10:	0.522	0.963

X CENTROID: -0.154

Y CENTROID: -0.191

POA TO CENTROID: 0.245

HORZ SPREAD: 1.305

VERT SPREAD: 2.438

GROUP SPREAD: 2.541

MIN RADIUS: 0.245

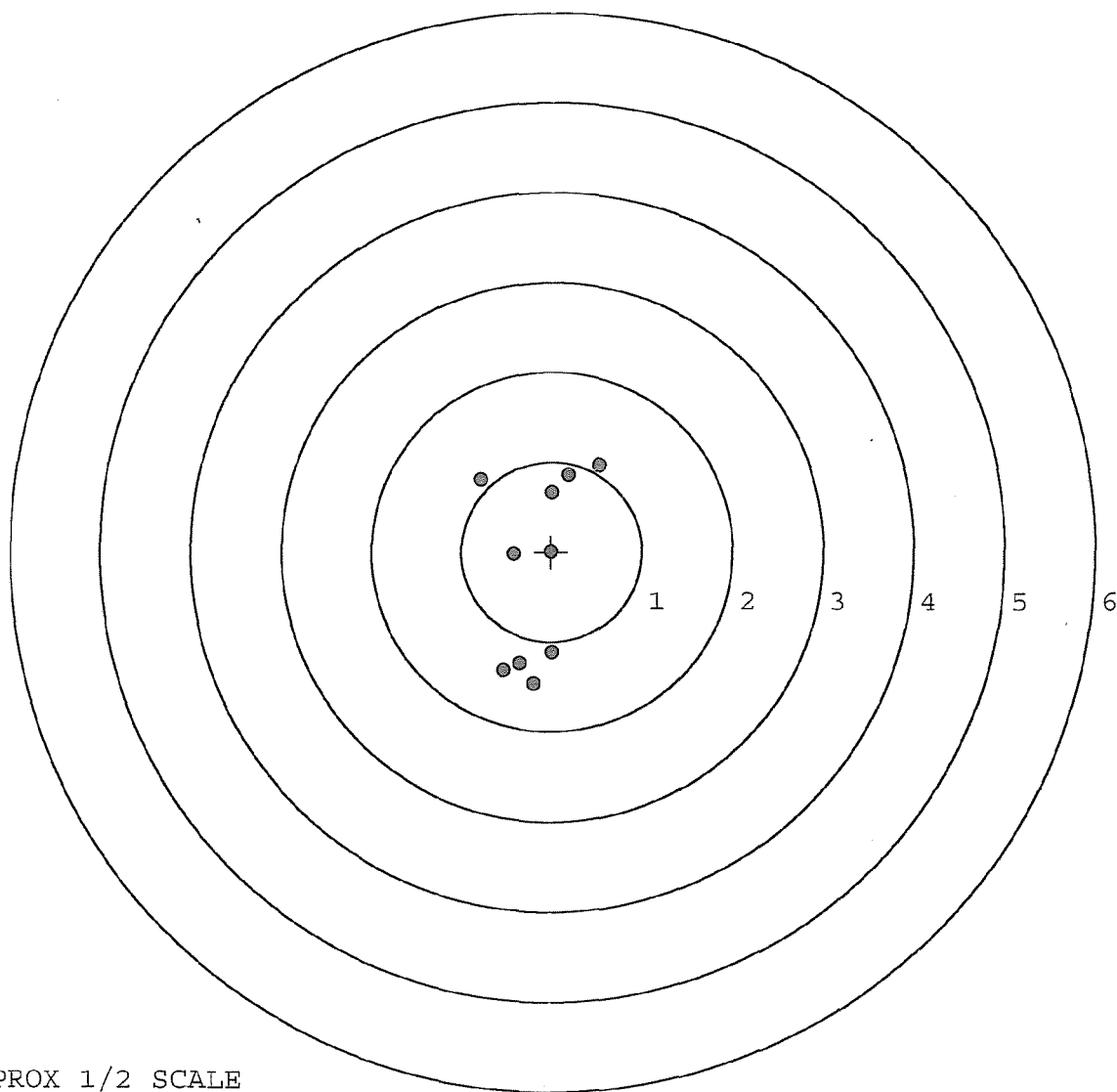
MAX RADIUS: 1.337

MEAN RADIUS: 0.954

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461546. __0

TARGET NUMBER: 2

FILE DATE: 03/14/2006

FILE TIME: 16:09

POINT#	X	Y
1:	-0.572	-0.907
2:	0.352	-1.042
3:	0.157	-0.282
4:	-0.220	-0.040
5:	-0.598	0.284
6:	-0.282	0.310
7:	-0.419	0.408
8:	-0.083	0.807
9:	0.036	0.964
10:	0.230	1.176

X CENTROID: -0.140

Y CENTROID: 0.168

POA TO CENTROID: 0.218

HORZ SPREAD: 0.950

VERT SPREAD: 2.218

GROUP SPREAD: 2.221

MIN RADIUS: 0.201

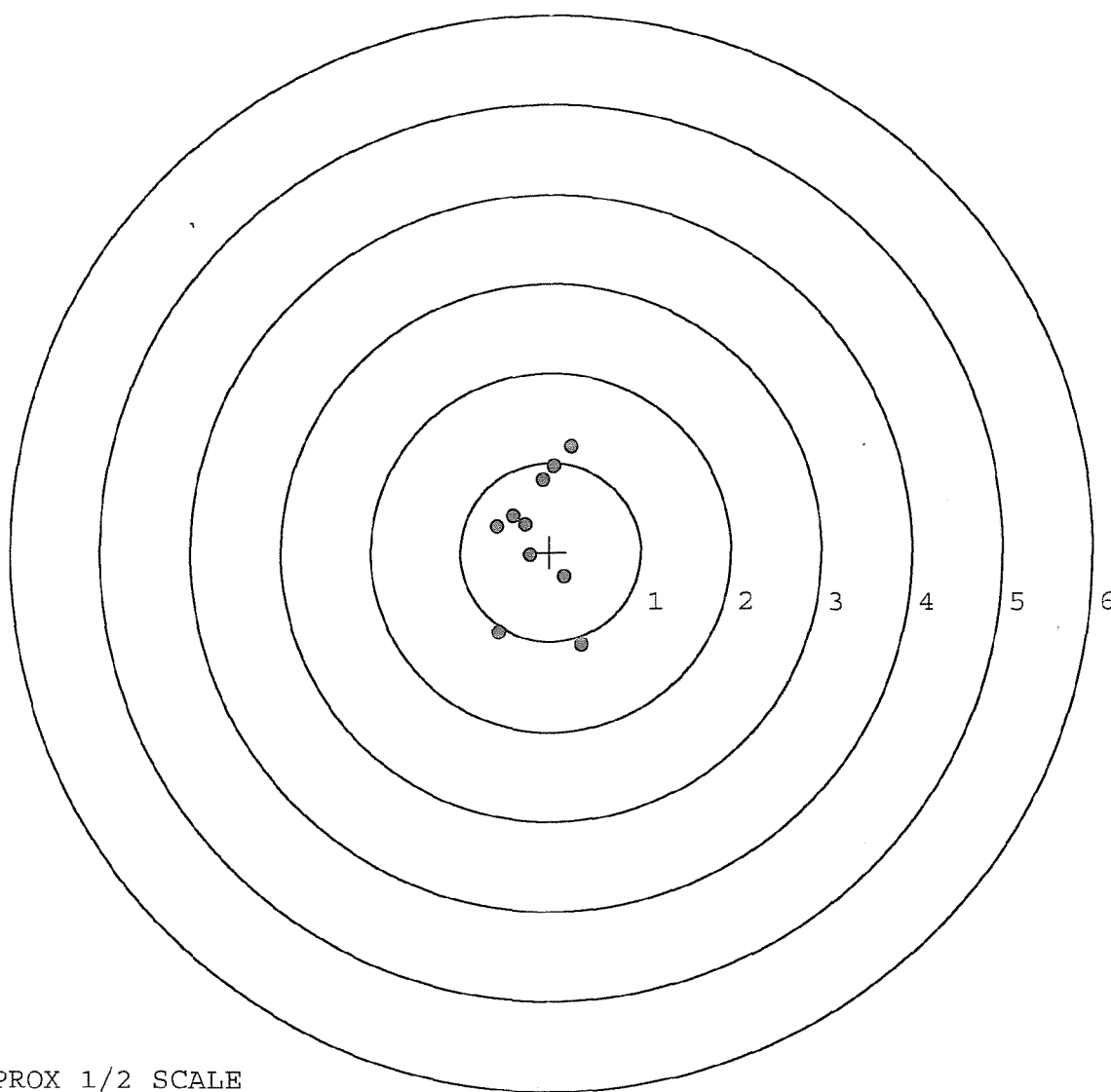
MAX RADIUS: 1.306

MEAN RADIUS: 0.680

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461546. 0

TARGET NUMBER: 3

FILE DATE: 03/14/2006

FILE TIME: 16:09

POINT#	X	Y
--------	---	---

1:	0.165	-0.833
----	-------	--------

2:	0.994	-0.353
----	-------	--------

3:	0.460	-0.139
----	-------	--------

4:	0.405	0.030
----	-------	-------

5:	0.017	-0.250
----	-------	--------

6:	-0.962	-0.163
----	--------	--------

7:	-0.299	0.183
----	--------	-------

8:	-0.245	0.472
----	--------	-------

9:	-0.661	0.557
----	--------	-------

10:	-0.127	0.786
-----	--------	-------

X CENTROID: -0.025

Y CENTROID: 0.029

POA TO CENTROID: 0.038

HORZ SPREAD: 1.956

VERT SPREAD: 1.619

GROUP SPREAD: 1.965

MIN RADIUS: 0.282

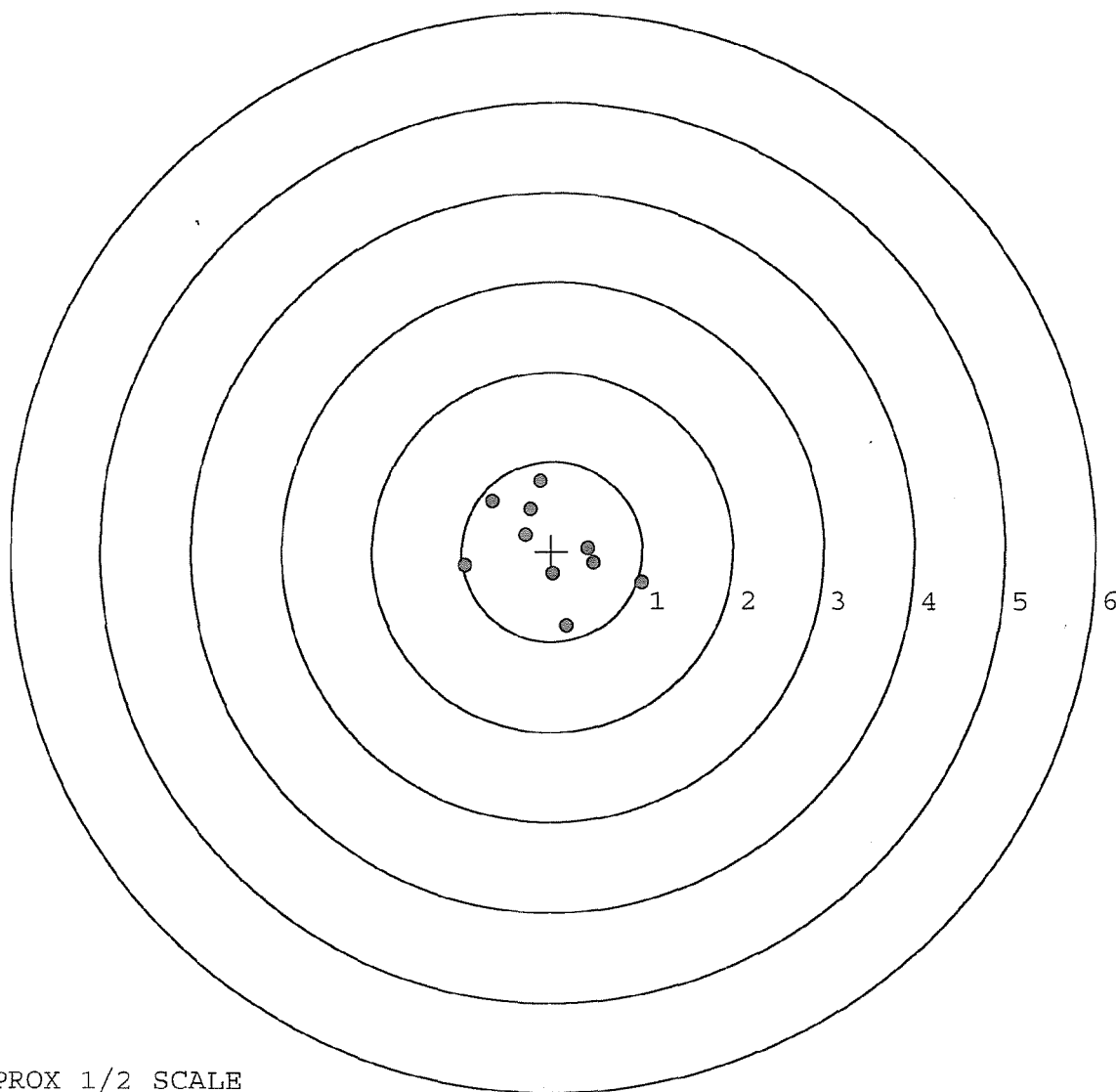
MAX RADIUS: 1.089

MEAN RADIUS: 0.655

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461546.___0

TARGET NUMBER: 4

FILE DATE: 03/14/2006

FILE TIME: 16:09

POINT#	X	Y
--------	---	---

1:	0.854	-0.355
----	-------	--------

2:	-0.234	-0.748
----	--------	--------

3:	-0.240	-0.593
----	--------	--------

4:	-0.375	-0.189
----	--------	--------

5:	-0.714	0.271
----	--------	-------

6:	-0.699	0.628
----	--------	-------

7:	-0.497	0.953
----	--------	-------

8:	0.337	0.513
----	-------	-------

9:	0.126	0.721
----	-------	-------

10:	-0.224	-0.660
-----	--------	--------

X CENTROID: -0.167

Y CENTROID: 0.054

POA TO CENTROID: 0.175

HORZ SPREAD: 1.568

VERT SPREAD: 1.701

GROUP SPREAD: 1.880

MIN RADIUS: 0.320

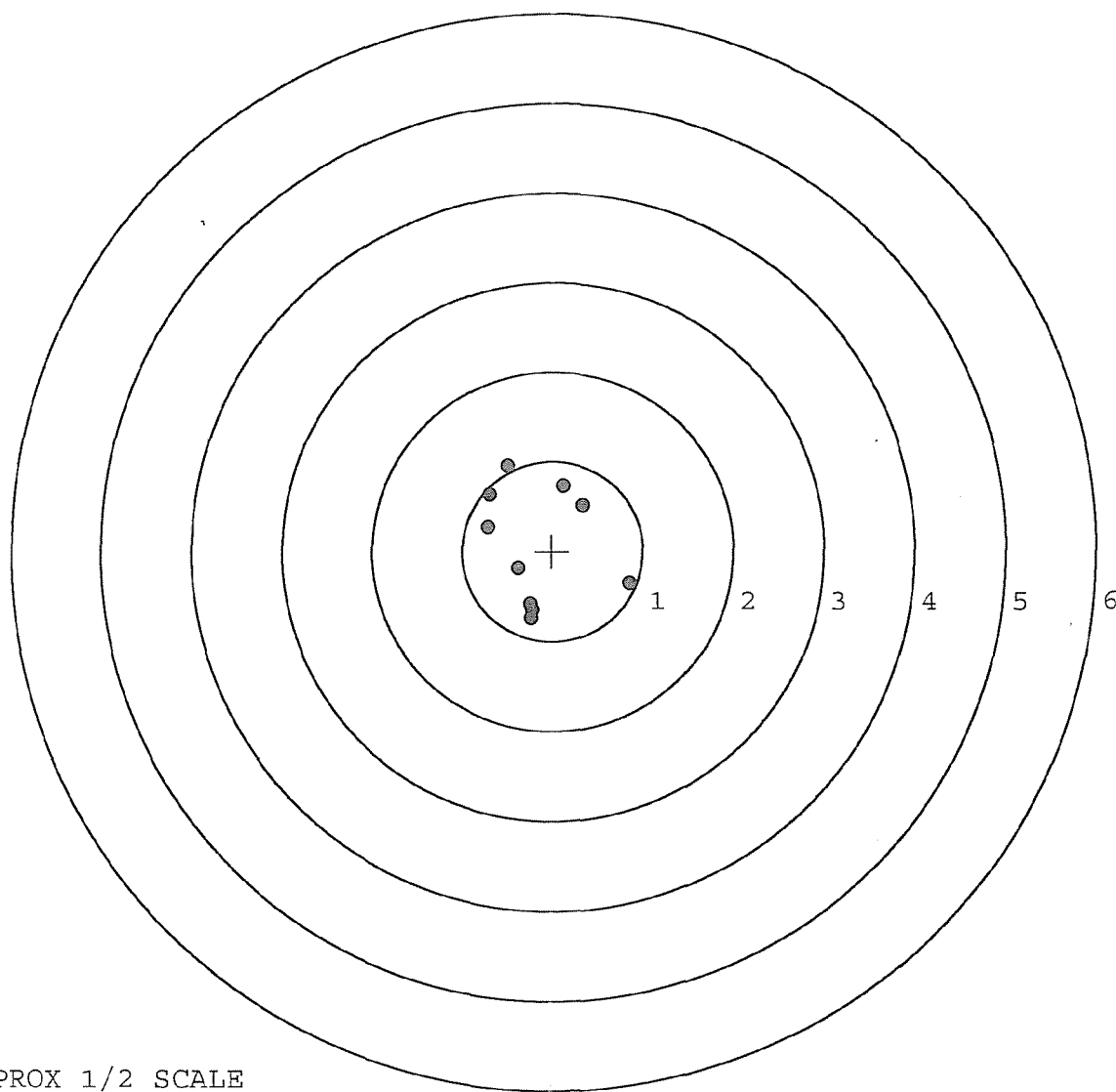
MAX RADIUS: 1.100

MEAN RADIUS: 0.733

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

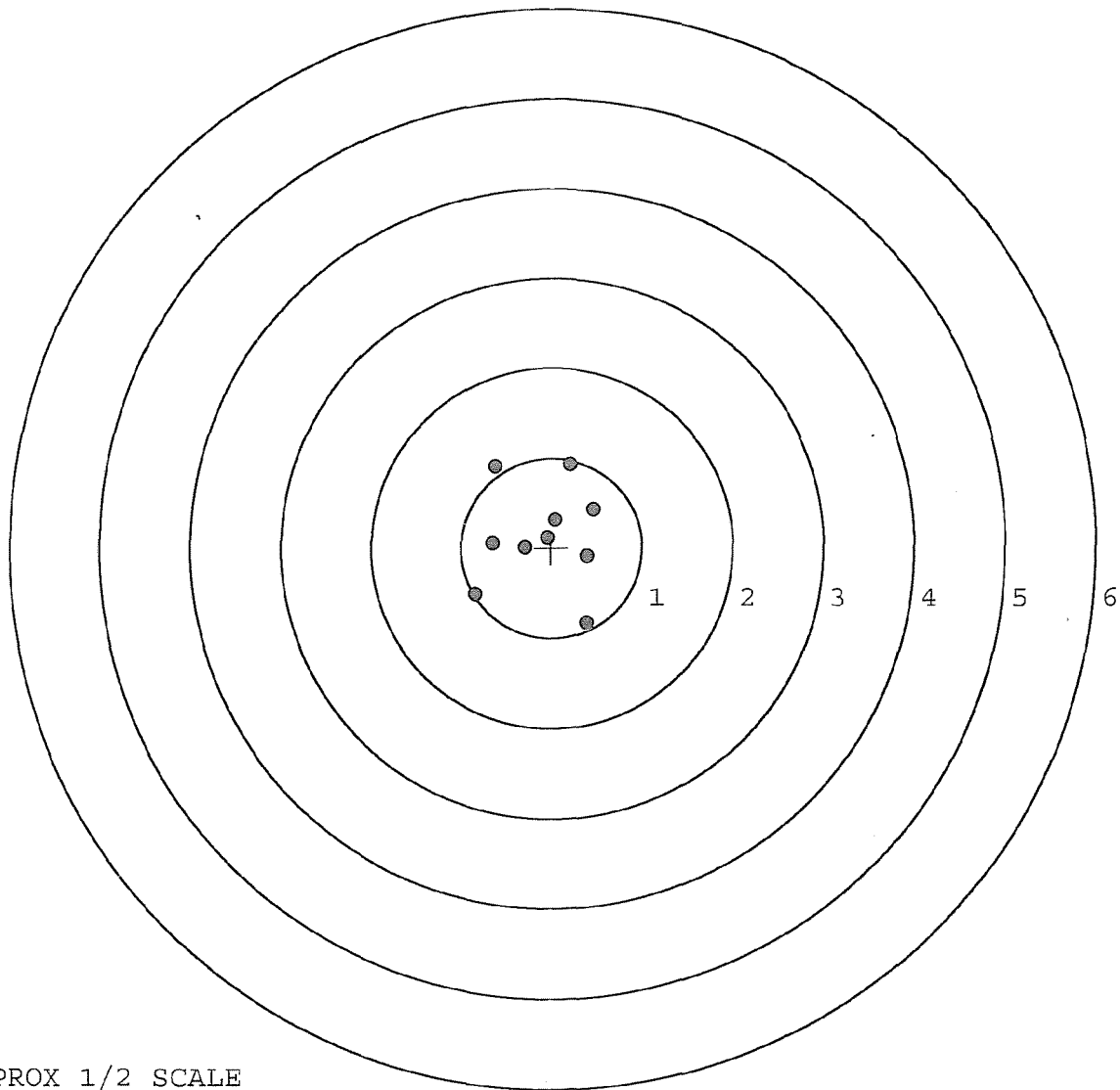


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461546. 0
TARGET NUMBER: 5
FILE DATE: 03/14/2006
FILE TIME: 16:09

X CENTROID: -0.095
Y CENTROID: 0.129
POA TO CENTROID: 0.160
HORZ SPREAD: 1.302
VERT SPREAD: 1.770
GROUP SPREAD: 2.020
MIN RADIUS: 0.056
MAX RADIUS: 1.083
MEAN RADIUS: 0.612
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.391	-0.839
2:	-0.841	-0.515
3:	0.399	-0.099
4:	-0.647	0.049
5:	-0.292	0.003
6:	-0.042	0.110
7:	0.040	0.312
8:	0.461	0.431
9:	0.207	0.931
10:	-0.623	0.908



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	108941		
SERIAL NUMBER	C6225388 C6461546 (New)		
LOG-IN DATE	2-22-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	2-24-06	RTZ
505	RE-BARREL	2-27-06	RTZ
560	ASSEMBLE	3-03-06	RTZ
600	PROOF	3-3-06	RTZ
605	CHECK HEADSPACE	3-6-06	RTZ
610	DIS-ASSEMBLE GUN	3-6-06	RTZ
612	MAGNAFLUX	3-16-06	TRW
610	DRILL AND TAP	3-6-06	TRW
613	ROLLMARK CALIBER	3-6-06	CW
613	ROTO-BLAST	3-7-06	LB
620	APPLY COATINGS	3-13	HP
625	FINAL ASSEMBLY	3-14-06	RTZ
630	FUNCTION TEST AND	PASS FAIL 3-14-06	R.P.D.
635	TARGET	PASS FAIL 3-14-06	R.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	3-16-06	TRW
	A) HEADSPACE	PASS FAIL 3-16-06	TRW
	B) TRIGGER PULL	4/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.51 2.58 2.68 2.60 2.58 3-15-06 TRW
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	4.0 4.0 4.0 3-15-06 RTZ
	G) SAFETY OFF FORCE	2 LBS	2.0 2.0 2.0 3-15-06 RTZ
	I) FIRING PIN INDENT	.020	.023 .024 .023 3-15-06 RTZ
690	PACK		3-16-06 RTZ

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225388

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12 89		RW
600	Proof	4 12 89		RW
607	Check Headspace	4 12 80		RW
610	Dis-assemble Gun	4 12 80		RW
612	Magnaflux Barrel Action		4/13/89	KCK
	Magnaflux Bolt		4/14/89	KCK
615	Rollmark Caliber		4-15-89	LS
617	Drill and Tap Sight Holes	4 14 89		FB
618	Polish Barrel R/B	4 14 89		BT
620	Apply Coatings (Barrel Action)		4-19-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/8/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/8/89	RW
	C) Inspect Ejector Hole for Chamfer		5/8/89	RW
	D) Oil Firing Pin Ass'y		5/8/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/11/89	WB

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	5/11/89	gN
	G) Safety Off Force	3	3	3	5/11/89	gN
	H) Trigger Pull Test & Retainability				5/11/89	W.B.
	I) Firing Pin Indent	.022	.021.5	.021.5	5/11/89	gN
	J) Assemble Stock				5/12/89	RW
	K) Assemble Swivel Studs				5/12/89	RW
	L) Attach Front and Rear Sight Assemblies				5/12/89	RW
	M) Iron Sight Alignment				5/12/89	RW
	N) Detach Front & Rear Sights & place in numbered container				5/12/89	RW
	O) Attach Scope to Rifle				5/12/89	gN
	P) Detach & Attach Scope 20 Times				5/12/89	gN
640	Gallery Target & Test	43 R	111 L		5/12/89	F
	A) Time				5/12/89	F
	B) Malfunctions				5/12/89	F
	C) Pierced Primers				5/12/89	F
	D) Optical Clarity of Scope				5/12/89	F
645	Inspect for Live Ammo				5/12/89	F
655	Final Inspection					
	A) Headspace				15 May 89	LS
	B) Trigger Pull	2.67	2.71	2.72	15 May 89	LS
	C) Function				15 May 89	LS
660	Pack				21 June 89	gN

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6725388
DATE 5/11/89
TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.52	2.68	2.67	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.53	2.51	2.71	
PULL #3	2.52	2.44	2.66	2.72	
PULL #4	2.52	2.43	2.61	2.71	
PULL #5	2.44	2.42	2.63	2.82	
TOTAL	12.39	12.34	13.09	13.63	
AVG.	2.48	2.47	2.62	2.726	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.49		
PULL #2	3.41	3.25		
PULL #3	3.37	3.31		
PULL #4	3.47	3.28		
PULL #5	3.39	3.32		
TOTAL	17.01	16.65		
AVG.	3.40	3.33		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.29		4.18
PULL #2	4.19	4.05		4.30
PULL #3	4.27	4.08		4.36
PULL #4	4.24	4.15		4.32
PULL #5	4.21	4.14		4.34
TOTAL	21.17	20.71		21.50
AVG.	4.23	4.14		4.30

Remington®

REC. U.S. PAT. & TM. OFF.

DUPONT

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

MODEL 700™ H24

SERIAL NO. C6225388

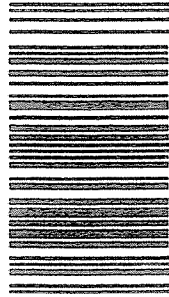
ORDER NO. 5716

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



5716 C6225388

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225388
15 May 1989

CENTROIDAL DISTANCES

0 TO	1	.131605
1 TO	2	.239
1 TO	3	.531866
1 TO	4	.315683
1 TO	5	.346655

5
4
3
-----POR

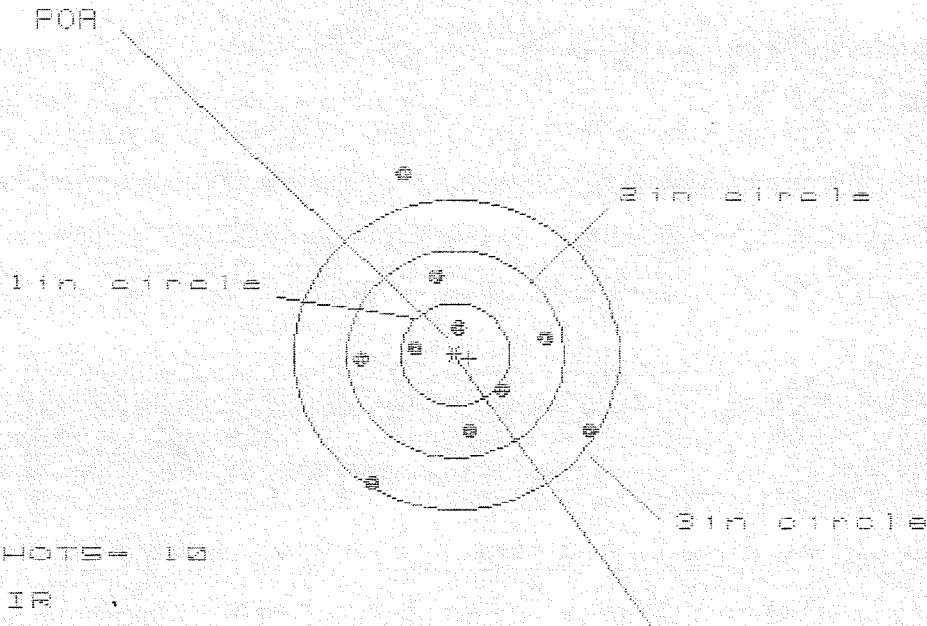
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.173
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0014
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .175827

THE AMR FOR THIS RIFLE IS: .9115

15 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CA225388

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.052

VS= 3.002

GS= 3.021

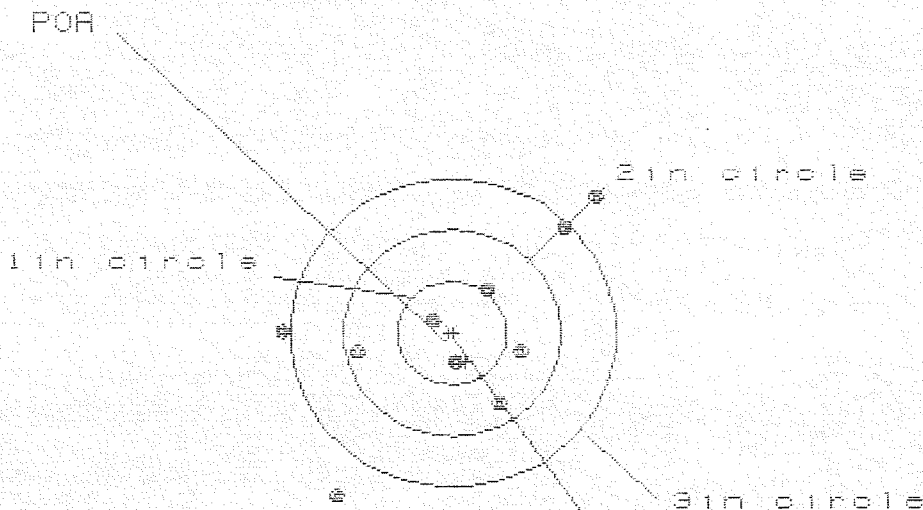
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.198	1.150	1.048
MINIMUM X	-.854	-.902	-1.004
MAXIMUM Y	1.753	.999	.867
MINIMUM Y	-1.249	-1.054	-1.663
CENTROID X	-.126	-.078	.024
CENTROID Y	.038	-.157	-.025
POA TO CENTROID in.	.131	.175	.034
MIN RADIUS	.216	.407	.295
MEAN RADIUS	.904	.805	.719
MAX RADIUS	1.804	1.334	1.240
HORIZONTAL SPREAD	2.052	2.052	2.052
VERTICAL SPREAD	3.002	2.053	1.530
EXTREME SPREAD	3.021	2.173	2.173
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 7

HS= 2.853

VS= 2.878

GS= 3.744

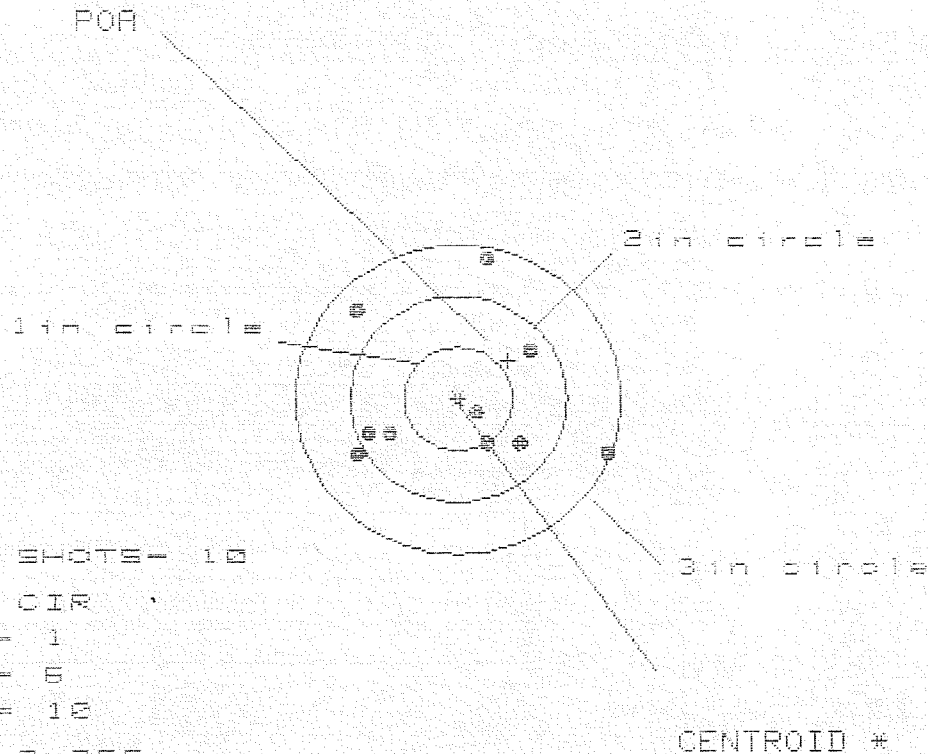
CENTROID #

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.283	1.160	1.041
MINIMUM X	-1.570	-1.693	-1.548
MAXIMUM Y	1.296	1.121	1.001
MINIMUM Y	-1.581	-1.862	-1.722
CENTROID X	-.126	-.003	-.148
CENTROID Y	.277	.452	.312
POA TO CENTROID in.	.304	.452	.345
MIN RADIUS	.201	.295	.163
MEAN RADIUS	1.022	.923	.810
MAX RADIUS	1.933	1.703	1.549
HORIZONTAL SPREAD	2.853	2.853	2.589
VERTICAL SPREAD	2.878	1.983	1.723
EXTREME SPREAD	3.744	3.137	2.792
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		7	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.355

VS= 1.907

GS= 2.743

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.384

.800

.858

MINIMUM X

-.971

-.817

-.759

MAXIMUM Y

1.360

1.299

.962

MINIMUM Y

-.547

-.576

-.413

CENTROID X

-.466

-.620

-.678

CENTROID Y

-.371

-.310

-.473

POA TO CENTROID in.

.596

.693

.826

MIN RADIUS

.199

.360

.356

MEAN RADIUS

.899

.843

.742

MAX RADIUS

1.488

1.379

1.225

HORIZONTAL SPREAD

2.355

1.617

1.617

VERTICAL SPREAD

1.907

1.875

1.375

EXTREME SPREAD

2.743

2.232

1.984

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

10

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FILE:/PATTERNING/CENTERFIRE_PATT/C6225369

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.102

VS= 2.429

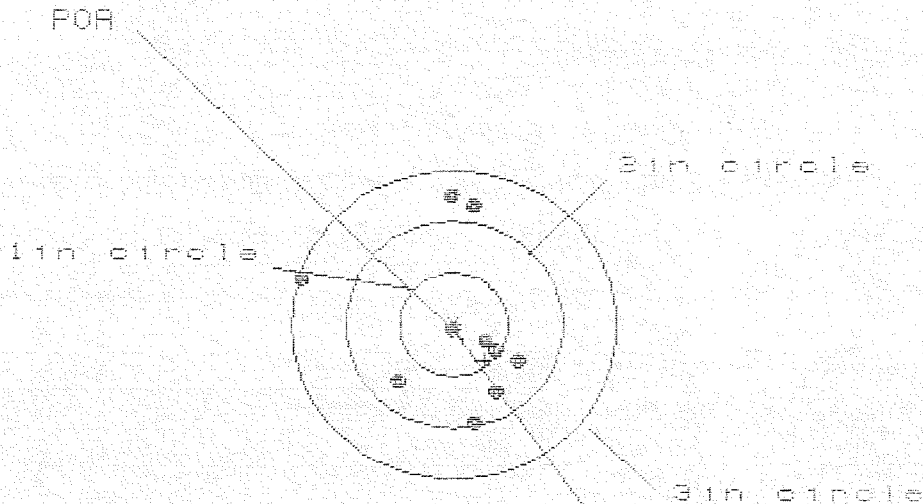
GS= 2.490

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.091	.979	.848
MINIMUM X	-1.011	-1.050	-1.032
MAXIMUM Y	1.004	.879	.637
MINIMUM Y	-1.395	-.724	-.614
CENTROID X	.140	.252	.384
CENTROID Y	-.132	.023	-.007
POA TO CENTROID in.	.192	.250	.390
MIN RADIUS	.419	.390	.500
MEAN RADIUS	.951	.846	.770
MAX RADIUS	1.723	1.370	1.064
HORIZONTAL SPREAD	2.102	2.029	1.880
VERTICAL SPREAD	2.429	1.603	1.251
EXTREME SPREAD	2.490	2.482	1.886
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

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FILE:/PATTERNING/CENTERFIRE_PATT/C8225388

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HO= 2.004

VS= 2.213

GS= 2.221

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.573	.414	.395
MINIMUM X	:	-1.431	-.643	-.662
MAXIMUM Y	:	1.297	1.347	1.350
MINIMUM Y	:	-.916	-.866	-.698
CENTROID X	:	-.287	-.128	-.109
CENTROID Y	:	.345	.295	.127
POA TO CENTROID in.	:	.449	.322	.167
MIN RADIUS	:	.082	.146	.079
MEAN RADIUS	:	.782	.665	.527
MAX RADIUS	:	1.500	1.355	1.350
HORIZONTAL SPREAD	:	2.004	1.057	1.057
VERTICAL SPREAD	:	2.213	2.213	2.048
EXTREME SPREAD	:	2.221	2.221	2.048
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	