

C6594512

MODEL 700™ M24

Model 545™

Action

Barrel Length

Capacity

Order No. 5715

*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: RE00131328

Serial: C6594512 Model M24 SWS Center Fire
Produced: 03/18/1991

Repairman:

Status: Closed 7/12/2007 2:56:32 PM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: CO B 2D BN., 3D SFG-A

CO B 2D BN., 3D SFG-A

Address 1: SGT TIMOTHY KRANZ

SGT TIMOTHY KRANZ

Address 2: E-1650 KUWAIT ST.

PO Box:

E-1650 KUWAIT ST.

PO Box:

City: FT. BRAGG

FT. BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

7/13/2007

8:27 AM

CAPS

NUM

INS

SCRL



4 Microsoft Of...

5 Internet Exp...

6 Microsoft Off...

Arms Services R...

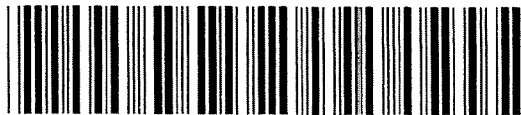


8:27 AM

Serial Number:

C6594512

Model: M24 SWS



RE00131328

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594512.___0
FILE DATE AND TIME: 09/10/2007 10:15

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.071
The Average Y Centroid of the Five Target Set:	0.059
The Average Point of Impact of the Five Target Set:	0.093
The Average Mean Radius of the Five Target Set:	0.812
The Distance from POA to Centroid Target #1:	0.410
The Distance from Centroid Target #2 to Centroid Target #1:	0.376
The Distance from Centroid Target #3 to Centroid Target #1:	0.419
The Distance from Centroid Target #4 to Centroid Target #1:	0.422
The Distance from Centroid Target #5 to Centroid Target #1:	0.453

SERIAL NUMBER: C6594512.___0

TARGET NUMBER: 1

FILE DATE: 09/10/2007

FILE TIME: 10:15

POINT#	X	Y
1:	1.220	0.240
2:	1.079	0.092
3:	0.693	-0.073
4:	0.115	0.283
5:	-0.813	0.441
6:	-1.072	0.233
7:	-0.683	-0.272
8:	-0.294	-0.497
9:	1.040	1.163
10:	1.136	1.699

X CENTROID: 0.242

Y CENTROID: 0.331

POA TO CENTROID: 0.410

HORZ SPREAD: 2.292

VERT SPREAD: 2.196

GROUP SPREAD: 2.682

MIN RADIUS: 0.136

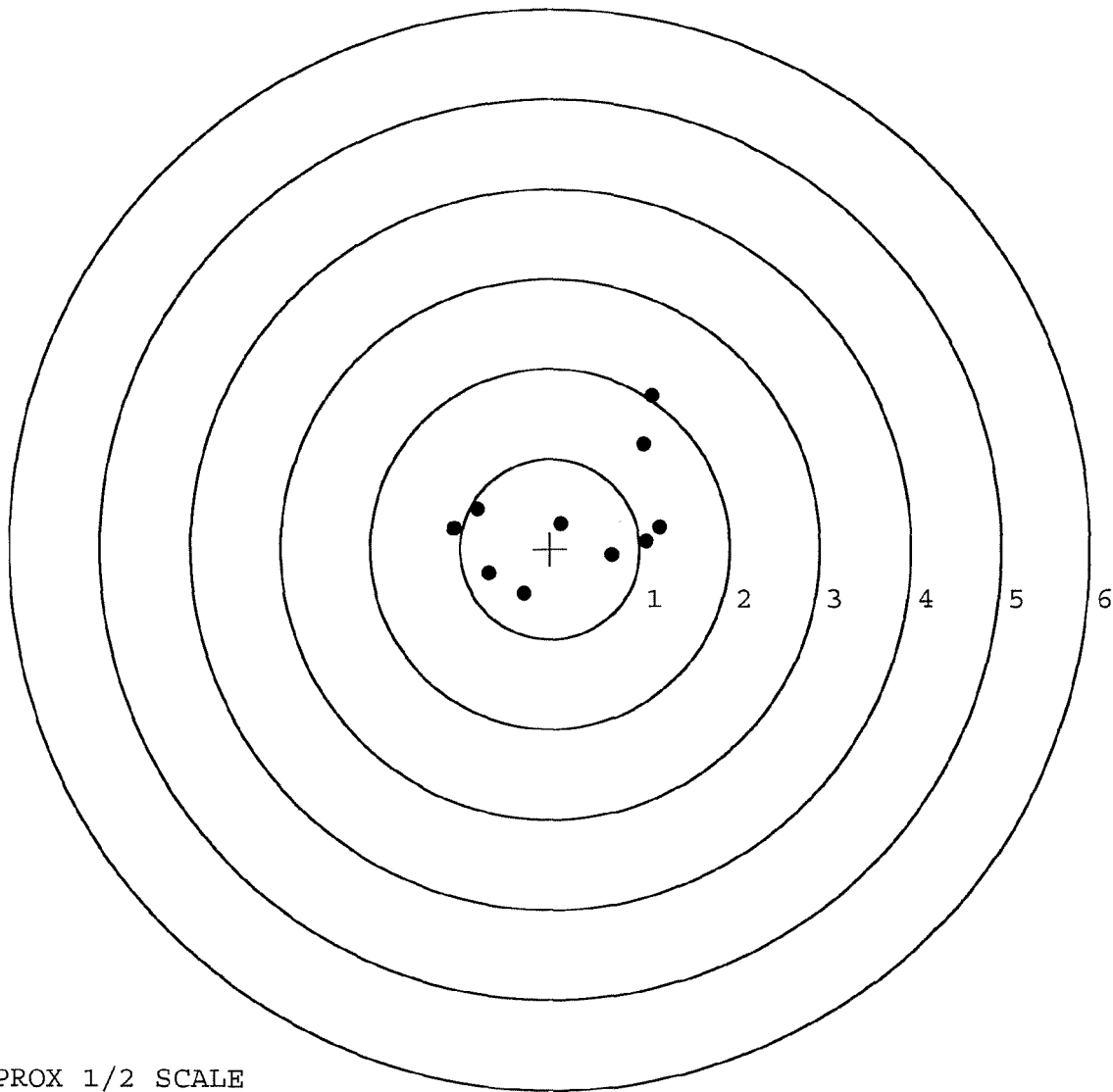
MAX RADIUS: 1.634

MEAN RADIUS: 0.985

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594512.___0

TARGET NUMBER: 2

FILE DATE: 09/10/2007

FILE TIME: 10:15

POINT#	X	Y
1:	0.940	-0.823
2:	-0.163	-1.159
3:	0.409	-0.025
4:	0.608	0.113
5:	0.216	0.533
6:	0.041	0.681
7:	-0.261	0.451
8:	-0.230	0.101
9:	-0.425	0.285
10:	-0.962	0.142

X CENTROID: 0.017

Y CENTROID: 0.030

POA TO CENTROID: 0.035

HORZ SPREAD: 1.902

VERT SPREAD: 1.840

GROUP SPREAD: 2.133

MIN RADIUS: 0.257

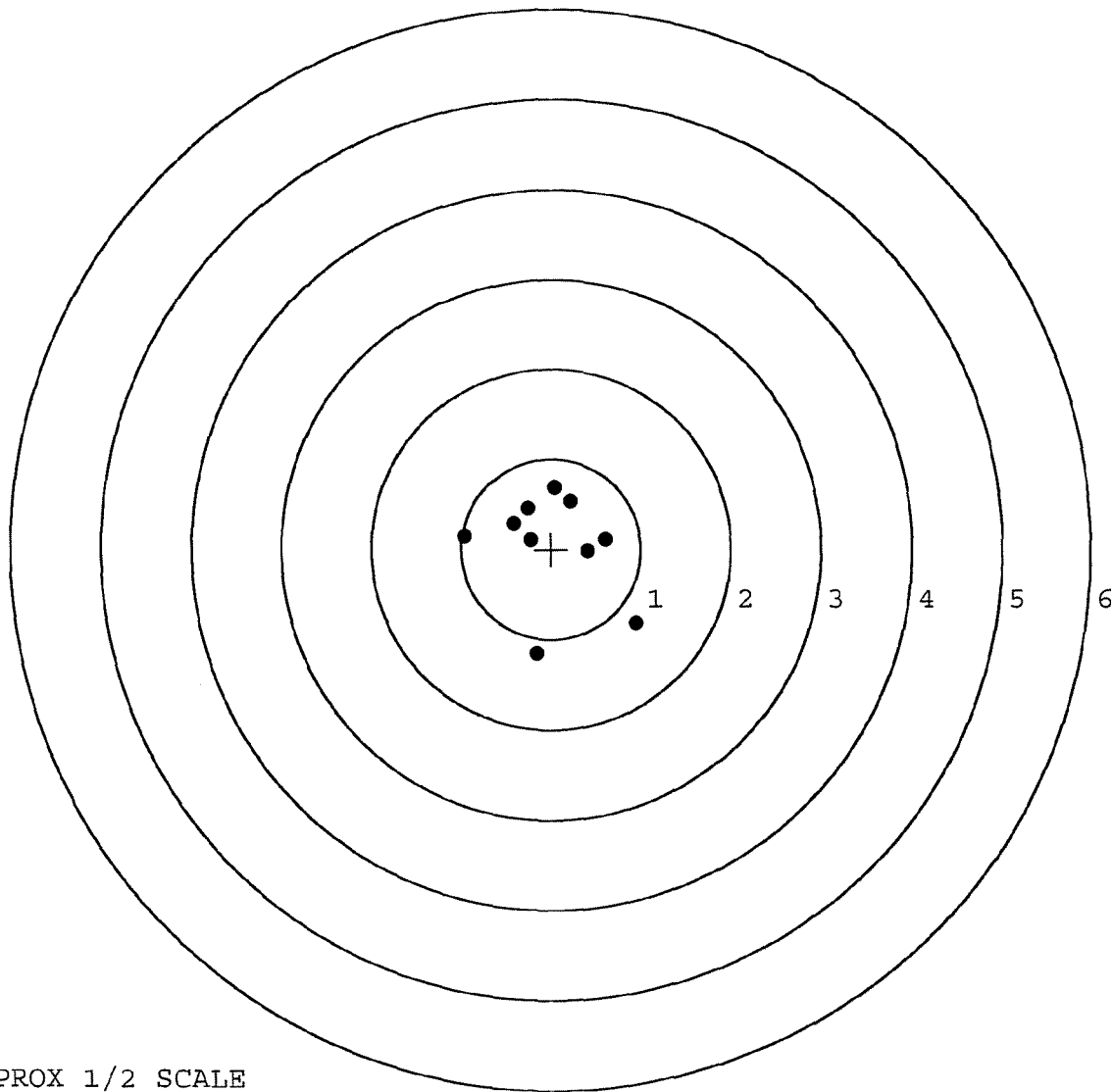
MAX RADIUS: 1.257

MEAN RADIUS: 0.690

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594512.___0

TARGET NUMBER: 3

FILE DATE: 09/10/2007

FILE TIME: 10:15

POINT#	X	Y
1:	0.641	-1.128
2:	0.135	-0.399
3:	0.334	1.160
4:	0.145	1.102
5:	-0.351	0.999
6:	-0.089	0.570
7:	-1.156	0.944
8:	-0.022	-0.698
9:	-0.196	-0.740
10:	-0.543	-0.764

X CENTROID: -0.110

Y CENTROID: 0.105

POA TO CENTROID: 0.152

HORZ SPREAD: 1.797

VERT SPREAD: 2.288

GROUP SPREAD: 2.743

MIN RADIUS: 0.466

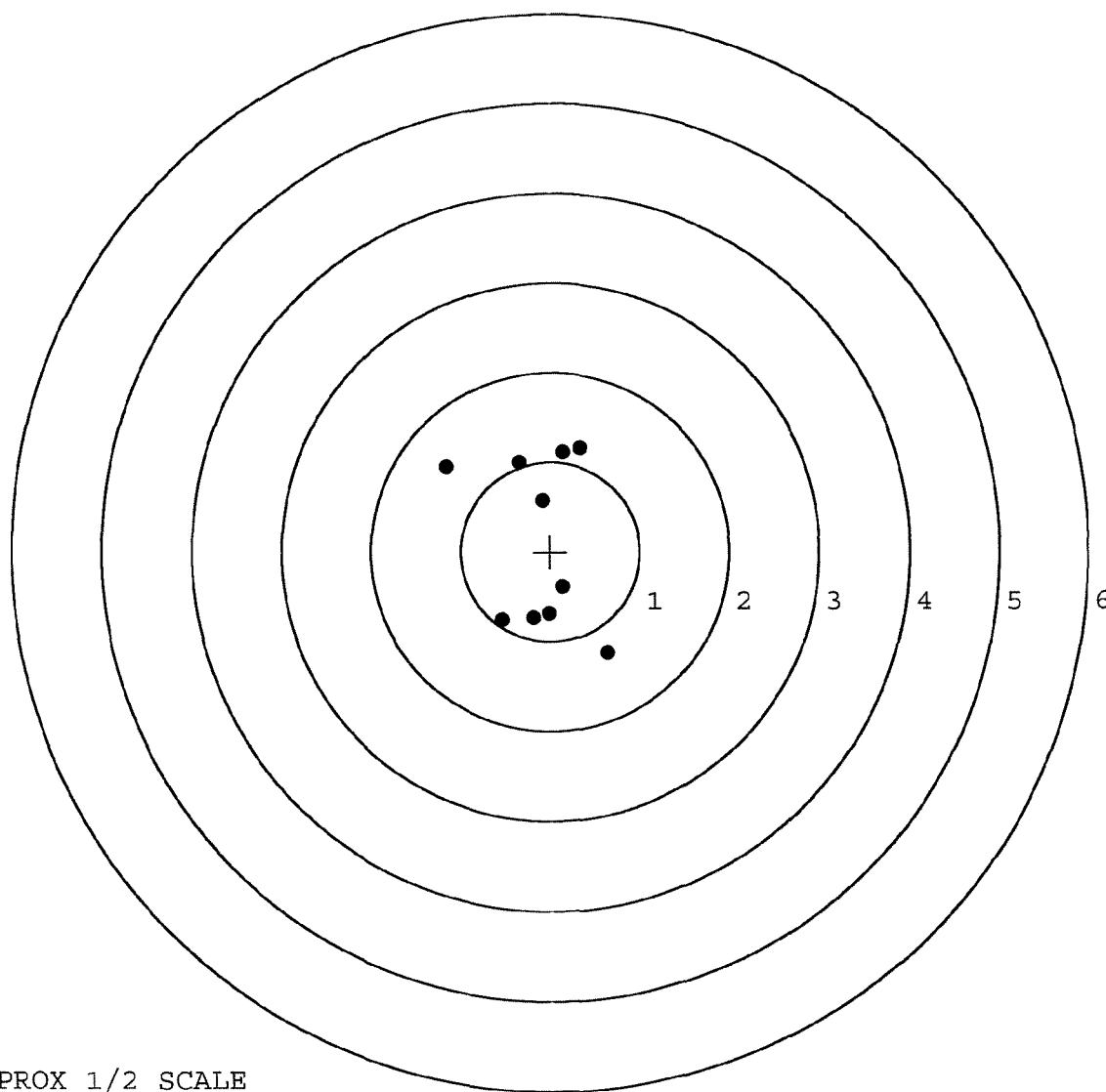
MAX RADIUS: 1.443

MEAN RADIUS: 0.954

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594512. __0

TARGET NUMBER: 4

FILE DATE: 09/10/2007

FILE TIME: 10:15

POINT#	X	Y
1:	0.685	-0.517
2:	0.881	0.038
3:	0.368	-0.252
4:	0.428	0.772
5:	0.238	0.822
6:	-0.089	0.594
7:	-0.076	-0.764
8:	-0.220	-0.411
9:	-0.435	-0.850
10:	-0.708	-0.121

X CENTROID: 0.107

Y CENTROID: -0.069

POA TO CENTROID: 0.127

HORZ SPREAD: 1.589

VERT SPREAD: 1.672

GROUP SPREAD: 1.837

MIN RADIUS: 0.319

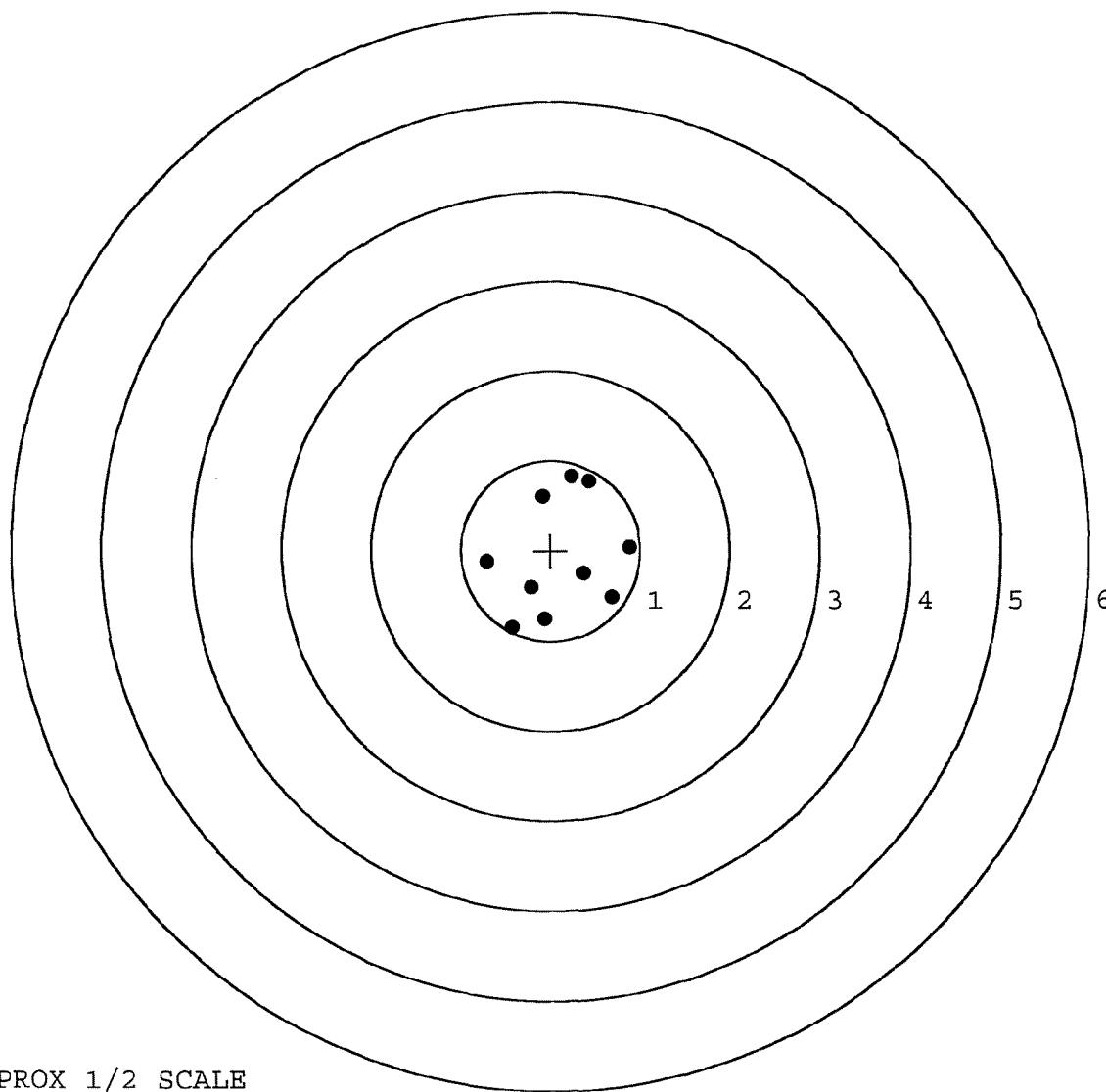
MAX RADIUS: 0.951

MEAN RADIUS: 0.728

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594512. 0

TARGET NUMBER: 5

FILE DATE: 09/10/2007

FILE TIME: 10:15

POINT#	X	Y
1:	0.327	-0.927
2:	0.087	-0.946
3:	0.703	-0.466
4:	-0.072	-0.322
5:	-0.613	-0.431
6:	0.584	0.223
7:	0.568	0.383
8:	0.276	0.490
9:	-0.125	0.509
10:	-0.727	0.488

X CENTROID: 0.101

Y CENTROID: -0.100

POA TO CENTROID: 0.142

HORZ SPREAD: 1.430

VERT SPREAD: 1.455

GROUP SPREAD: 1.764

MIN RADIUS: 0.281

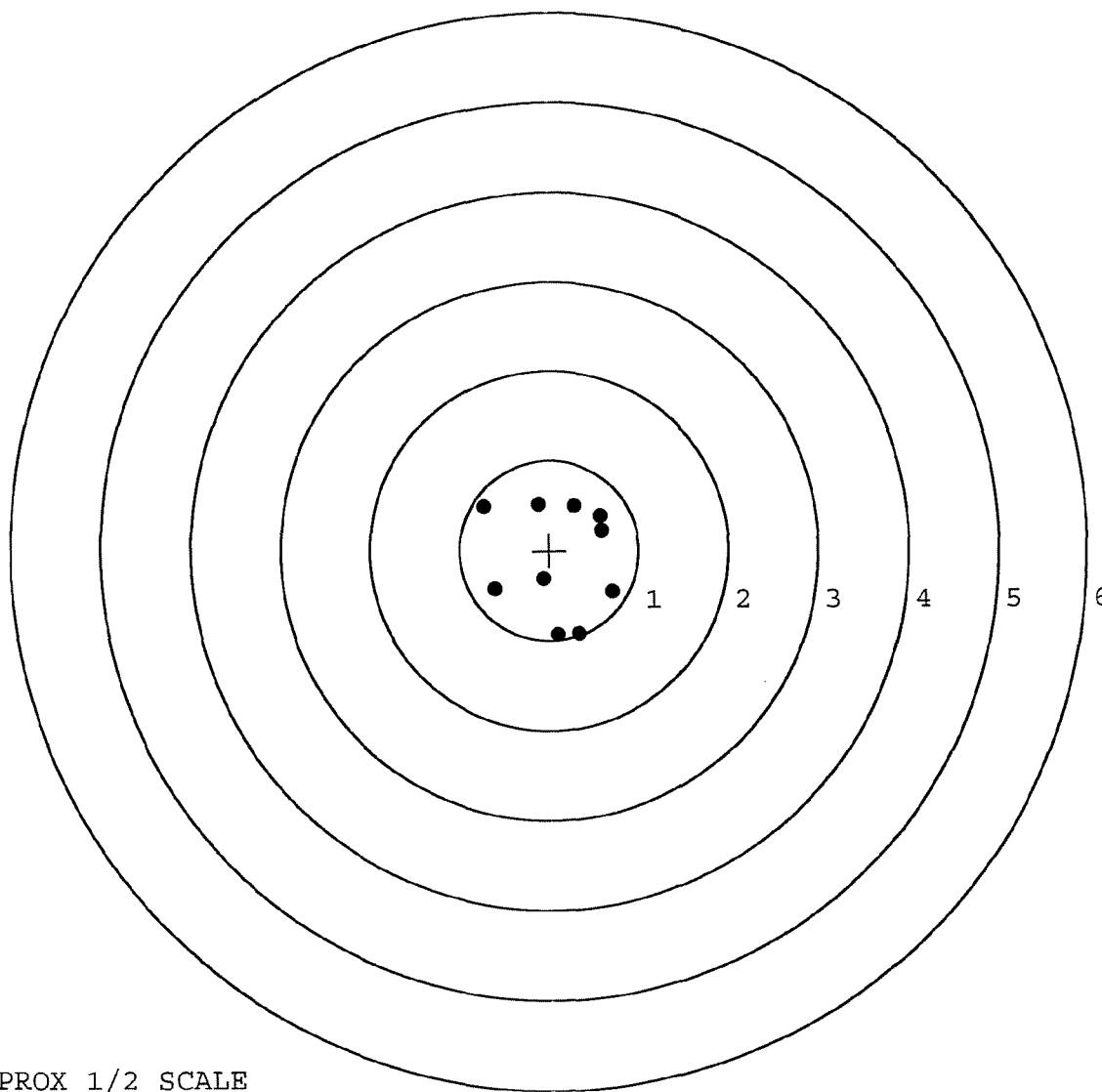
MAX RADIUS: 1.015

MEAN RADIUS: 0.701

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER <u>131328</u>				
SERIAL NUMBER <u>06594512</u>				
LOG-IN DATE <u>7-17-07</u>				
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		8-14-07	RTC
505	RE-BARREL		8-15-07	RTC
560	ASSEMBLE		8-20-07	RTC
600	PROOF		8-23-07	W
605	CHECK HEADSPACE		8-23-07	W
610	DIS-ASSEMBLE GUN		8-25-07	RTC
612	MAGNAFLUX		8-30-07	JB
510	DRILL AND TAP		8-27-07	TRW
615	ROLLMARK CALIBER		8-28-07	CW
618	ROTO-BLAST		8-30-07	LU
620	APPLY COATINGS		8/31/07	RZ
625	FINAL ASSEMBLY		9-8-07	RTC
640	FUNCTION TEST AND	(PASS) FAIL	9-10-07	TRW
650	TARGET	(PASS) FAIL	9-10-07	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	9-10-07	DK
670	FINAL INSPECTION			
	A) HEADSPACE	PASS FAIL		
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.49 2.48 2.45 2.56 2.50 9-10-07	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 4.5 5.0 9-12-07	DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.5 3.0 9-12-07	DA
	I) FIRING PIN INDENT	.020	.020 .022 .020 9-12-07	DA
690	PACK		9-12-07	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: RE00036600 Serial: C6594512 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOG 2 of 10 Repairman: Status: Closed 11/30/01 10:19:40 AM

Verify Repair High Priority

Address Information

Customer: Received From Return To: Received From

Name: Address 1: Address 2: PO Box: City: FORT BRAGG State: NC Zip Code: Country: US

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Fair

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

Start 11/30/01 11:09 AM CAPS NUM INS SCRL

Serial Number: C6594512

Model: 700



RE00036600

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

R & E NUMBER		36600	
SERIAL NUMBER		C6594512	
LOG-IN DATE		11-30-01	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-2-01	RKH
560 A	RE-BARREL	12/3/01	BWT
B	DRILL AND TAP	12/3/01	BWT
575	ASSEMBLE	12-4-01	RKH
600	PROOF	12-4-01	RKH
605	CHECK HEADSPACE	12-4-01	RKH
610	DIS-ASSEMBLE GUN	12-4-01	RKH
612	MAGNAFLUX		AL
615	ROLLMARK CALIBER	12-4-01	RKH
618	ROTO-BLAST	12/7-01	KO
620	APPLY COATINGS	12-10-01	TA
625 A	FINAL ASSEMBLY	12-11-01	RKH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-12-01	AK
655	FINAL INSPECT	12-18-01	RKH
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594512.___0
FILE DATE AND TIME: 12/12/2001 04:41

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.129
The Average Y Centroid of the Five Target Set:	0.044
The Average Point of Impact of the Five Target Set:	0.136
The Average Mean Radius of the Five Target Set:	0.517
The Distance from POA to Centroid Target #1:	0.306
The Distance from Centroid Target #2 to Centroid Target #1:	0.306
The Distance from Centroid Target #3 to Centroid Target #1:	0.237
The Distance from Centroid Target #4 to Centroid Target #1:	0.348
The Distance from Centroid Target #5 to Centroid Target #1:	0.202

SERIAL NUMBER: C6594512.___0

TARGET NUMBER: 1

FILE DATE: 12/12/2001

FILE TIME: 04:41

X CENTROID: -0.292

Y CENTROID: -0.092

POA TO CENTROID: 0.306

HORZ SPREAD: 1.747

VERT SPREAD: 1.955

GROUP SPREAD: 1.961

MIN RADIUS: 0.159

MAX RADIUS: 1.208

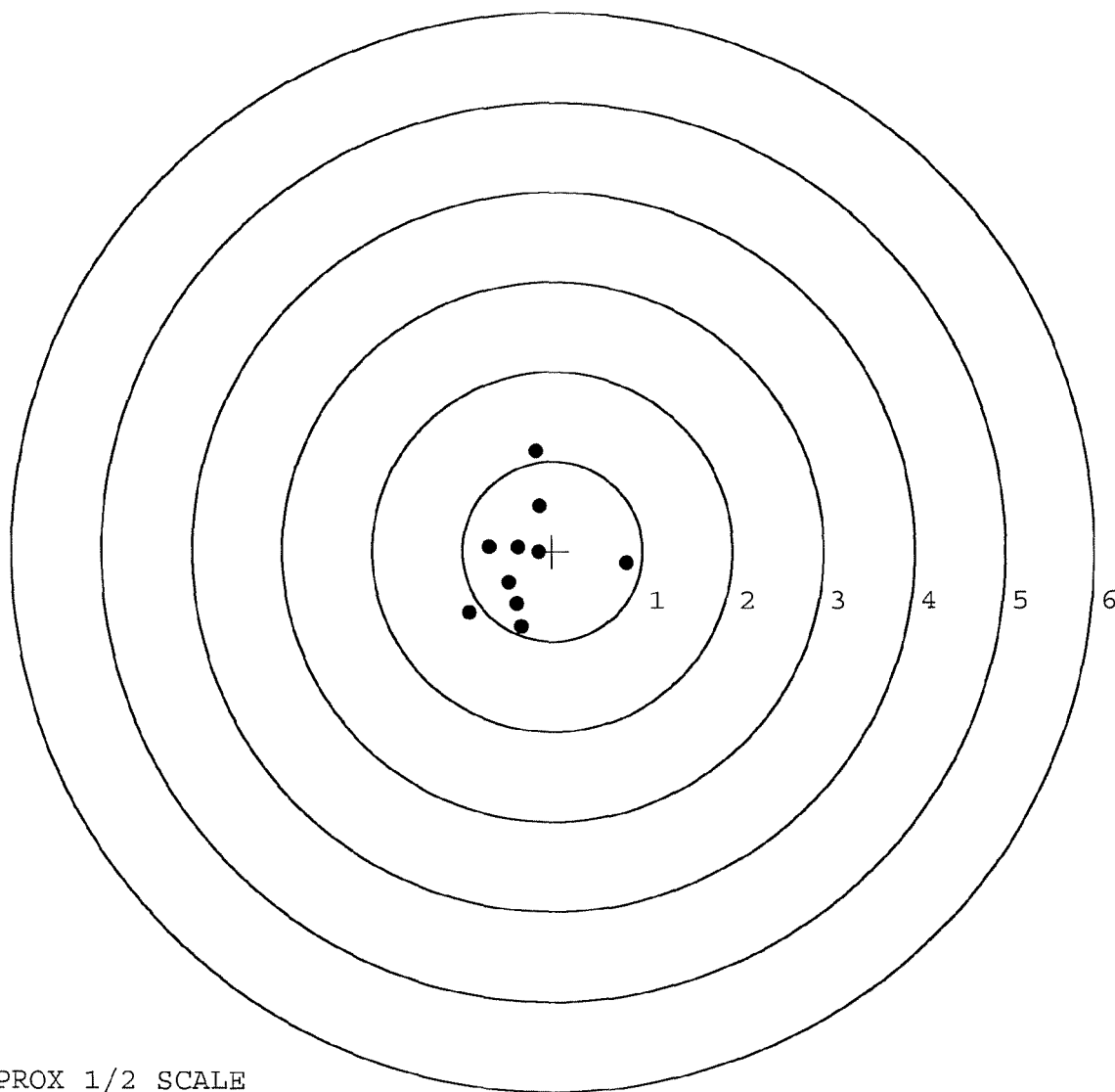
MEAN RADIUS: 0.614

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.192	1.112
2:	0.825	-0.137
3:	-0.349	-0.843
4:	-0.922	-0.687
5:	-0.397	-0.591
6:	-0.492	-0.348
7:	-0.705	0.048
8:	-0.155	-0.011
9:	-0.151	0.496
10:	-0.383	0.045

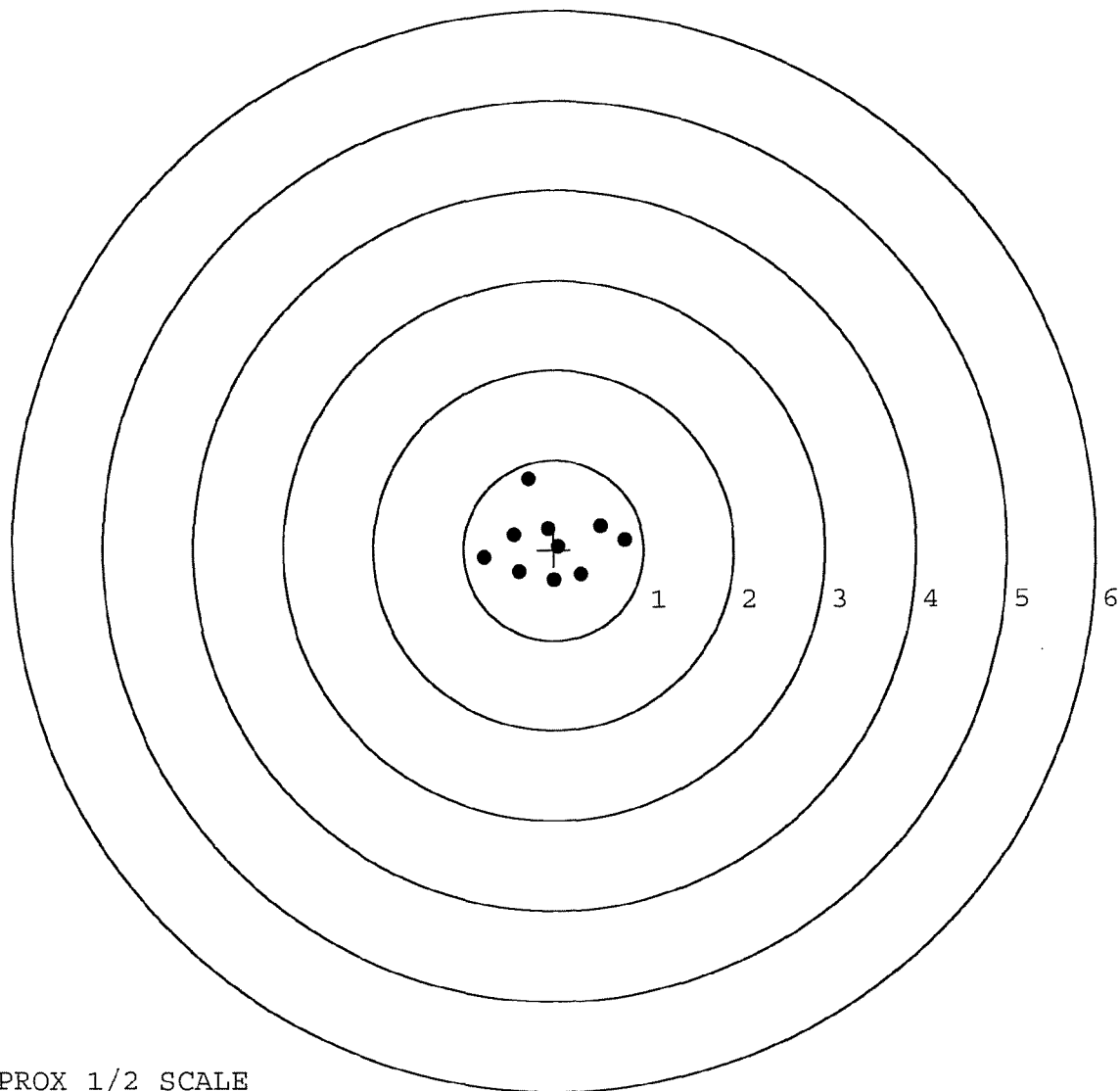


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594512. __0
TARGET NUMBER: 2
FILE DATE: 12/12/2001
FILE TIME: 04:41

X CENTROID: -0.030
Y CENTROID: 0.067
POA TO CENTROID: 0.073
HORZ SPREAD: 1.561
VERT SPREAD: 1.121
GROUP SPREAD: 1.573
MIN RADIUS: 0.083
MAX RADIUS: 0.823
MEAN RADIUS: 0.494
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.285	0.787
2:	0.792	0.113
3:	-0.769	-0.083
4:	-0.440	0.169
5:	-0.066	0.228
6:	0.515	0.265
7:	0.304	-0.269
8:	-0.006	-0.334
9:	-0.393	-0.242
10:	0.047	0.035

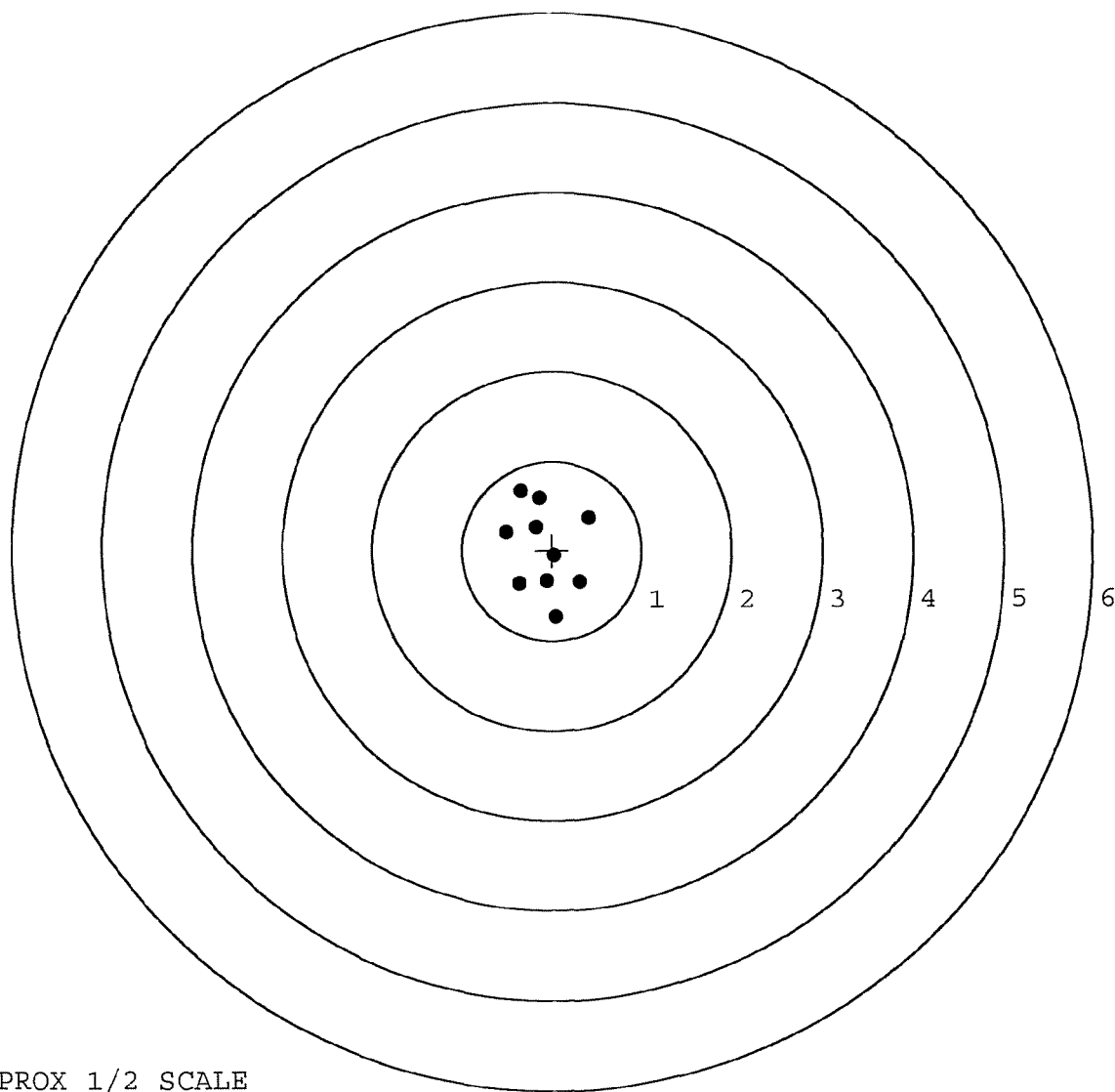


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594512.___0
TARGET NUMBER: 3
FILE DATE: 12/12/2001
FILE TIME: 04:41

X CENTROID: -0.085
Y CENTROID: 0.024
POA TO CENTROID: 0.088
HORZ SPREAD: 0.918
VERT SPREAD: 1.414
GROUP SPREAD: 1.467
MIN RADIUS: 0.134
MAX RADIUS: 0.775
MEAN RADIUS: 0.490
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.353	0.673
2:	-0.143	0.587
3:	-0.511	0.208
4:	-0.185	0.262
5:	0.407	0.373
6:	0.309	-0.349
7:	0.038	-0.741
8:	-0.367	-0.372
9:	0.021	-0.058
10:	-0.064	-0.341



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594512.___0

TARGET NUMBER: 4

FILE DATE: 12/12/2001

FILE TIME: 04:41

X CENTROID: -0.018

Y CENTROID: 0.122

POA TO CENTROID: 0.123

HORZ SPREAD: 1.181

VERT SPREAD: 1.370

GROUP SPREAD: 1.381

MIN RADIUS: 0.170

MAX RADIUS: 0.807

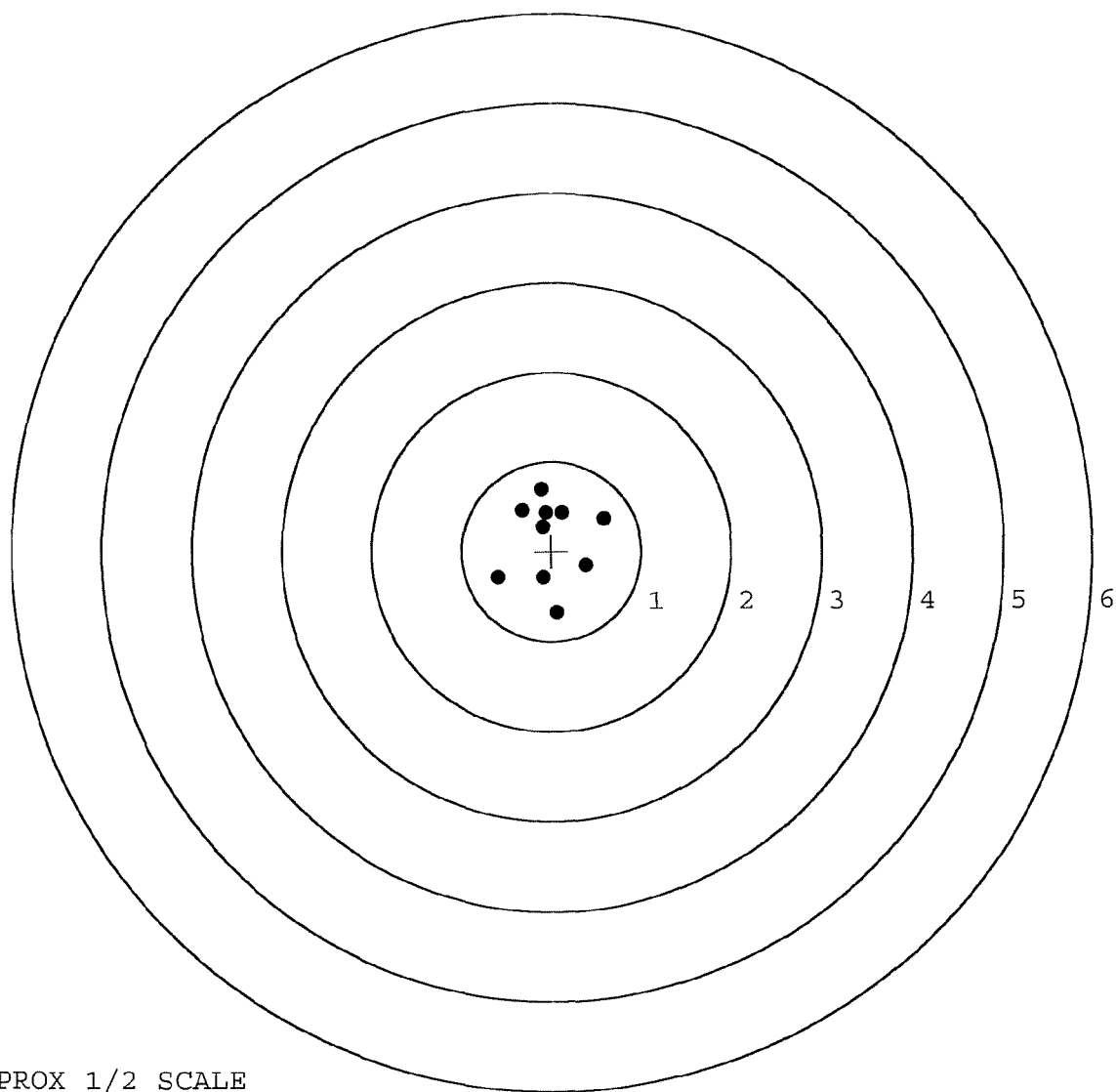
MEAN RADIUS: 0.493

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.599	-0.288
2:	-0.095	-0.297
3:	0.056	-0.682
4:	0.381	-0.160
5:	0.582	0.366
6:	-0.104	0.268
7:	0.115	0.431
8:	-0.327	0.457
9:	-0.118	0.688
10:	-0.067	0.432



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594512.___0

TARGET NUMBER: 5

FILE DATE: 12/12/2001

FILE TIME: 04:41

X CENTROID: -0.221

Y CENTROID: 0.098

POA TO CENTROID: 0.241

HORZ SPREAD: 1.644

VERT SPREAD: 1.344

GROUP SPREAD: 1.757

MIN RADIUS: 0.013

MAX RADIUS: 1.290

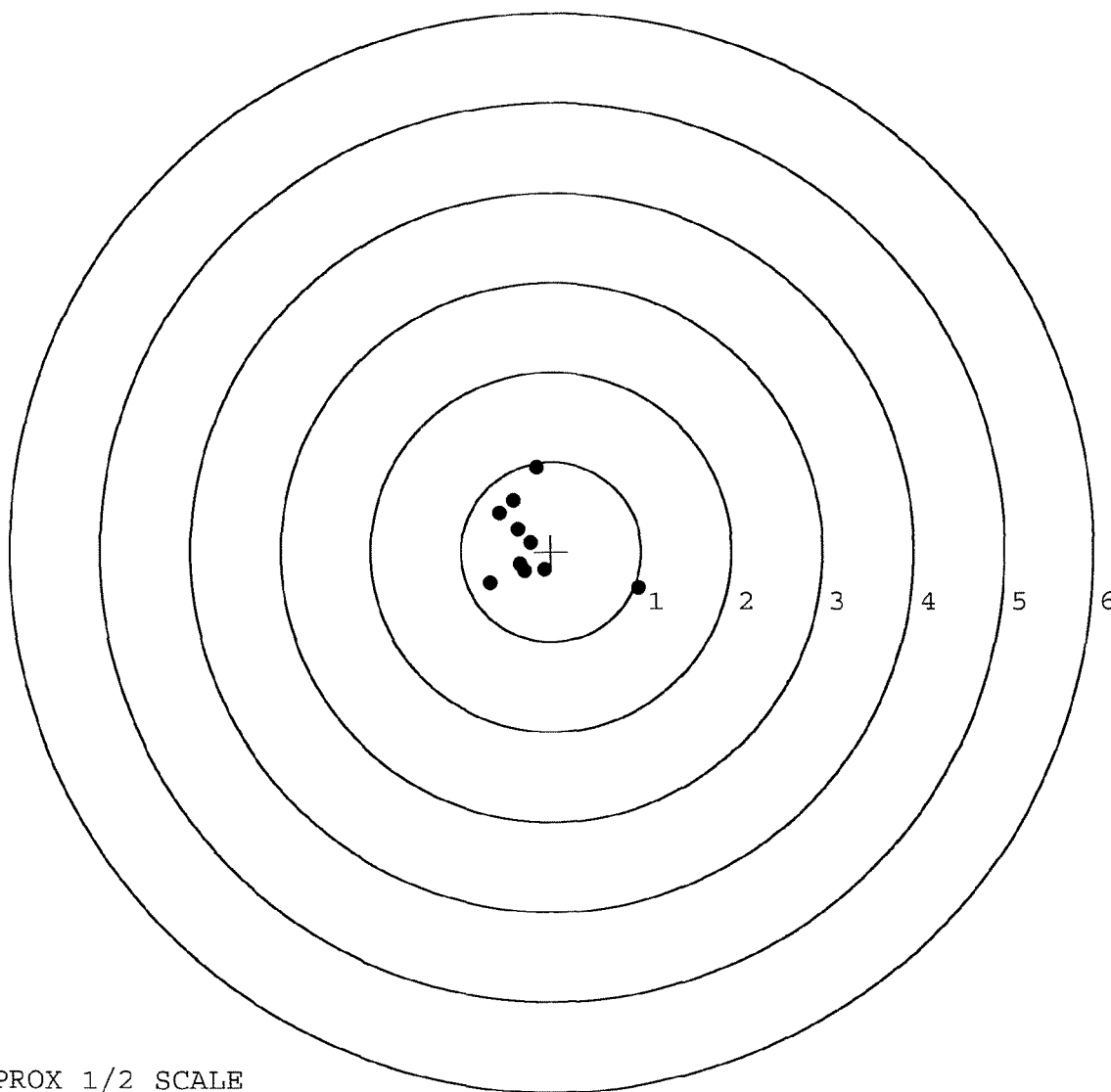
MEAN RADIUS: 0.494

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.967	-0.406
2:	-0.164	0.938
3:	-0.421	0.573
4:	-0.378	0.249
5:	-0.231	0.106
6:	-0.077	-0.203
7:	-0.352	-0.145
8:	-0.677	-0.350
9:	-0.298	-0.216
10:	-0.574	0.431



TARGET APPROX 1/2 SCALE

Remington[®]

MODEL 700TH M24

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

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

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

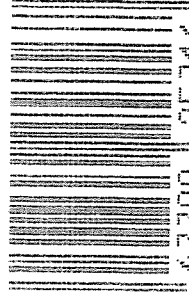
SERIAL NO. C6594512

ORDER NO. 5716



5716 C6594512

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594512

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/31/90	Kd
600	Proof		10/31/90	Kd
607	Check Headspace		10/31/90	Kd
610	Dis-assemble Gun		10/31/90	Kd
612	Magnaflux Barrel Action		11/1/90	KCR
	Magnaflux Bolt		11/1/90	KCR
615	Rollmark Caliber		11/1/90	GB
617	Drill and Tap Sight Holes		11/6/90	LB
618	Polish Barrel <i>LB</i>		11/7/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	LB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/14/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/14/90	KS
	C) Inspect Ejector Hole for Chamfer		12/14/90	KS
	D) Oil Firing Pin Ass'y		12/14/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/27/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4 1/4	4			12/27/90	WLB
	G) Safety Off Force	2	2	2			12/27/90	WLB
	H) Trigger Pull Test & Retainability						12/27/90	WLB
	I) Firing Pin Indent	.020	.020	.020			12/27/90	WLB
	J) Assemble Stock						1-3-91	KS
	K) Assemble Swivel Studs						1-16-91	JS
	L) Attach Front and Rear Sight Assemblies						1-3-91	KS
	M) Iron Sight Alignment						1-3-91	KS
	N) Detach Front & Rear Sights & place in numbered container						1-3-91	KS
	O) Attach Scope to Rifle						1-3-91	KS
	P) Detach & Attach Scope 20 Times						1-3-91	KS
640	Gallery Target & Test						1/15/91	KJ
	A) Time						"	KJ
	B) Malfunctions						"	KJ
	C) Pierced Primers						"	KJ
	D) Optical Clarity of Scope						"	KJ
645	Inspect for Live Ammo						1/15/91	KJ
655	Final Inspection							
	A) Headspace						1-16-91	JS
	B) Trigger Pull	2.35	2.36	2.35	2.42	2.47	1-16-91	JS
	C) Function						1-16-91	JS
660	Pack						3/15/91	WLB

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594512

DATE 12/27/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.23	2.50	2.42	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.49	2.54	2.36	
PULL #3	2.53	2.41	2.48	2.35	
PULL #4	2.51	2.47	2.44	2.42	
PULL #5	2.37	2.43	2.45	2.47	
TOTAL	12.07	12.30	12.33		
AVG.	2.41	2.46	2.46		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.25		
PULL #2	3.17	3.17		
PULL #3	3.24	3.29		
PULL #4	3.36	3.35		
PULL #5	3.17	3.27		
TOTAL	16.13	16.33		
AVG.	3.23	3.27		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	4.14		4.13
PULL #2	4.06	4.23		4.34
PULL #3	4.16	4.16		4.29
PULL #4	4.06	4.21		4.30
PULL #5	4.18	4.24		4.21
TOTAL	20.52	20.98		21.27
AVG.	4.10	4.20		4.25

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06594512
16 Jan 1991

CENTROIDAL DISTANCES

0	TO	1	.129769
1	TO	2	.225577
1	TO	3	.120569
1	TO	4	.226612
1	TO	5	.0720139

34 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0416
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0382
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0564783
THE AMR FOR THIS RIFLE IS: .9152

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594512

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 1.813

VS= 2.088

GS= 2.238

CENTROID #

PATTERN #

5

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

10

9

8

.742

.623

.543

-1.071

-.644

-.312

1.139

1.222

.642

-.949

-.866

-.713

-.114

.005

.085

-.062

-.145

-.298

.138

.146

.310

.219

.230

.221

.682

.587

.464

1.309

1.382

.717

1.813

1.267

.855

2.088

2.088

1.355

2.238

2.238

1.398

4

8

10

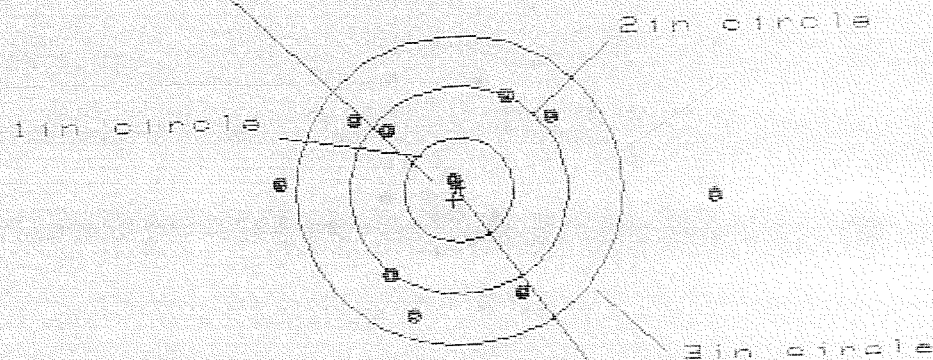
16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594512

CENTERFIRE PATTERNS

4

POB



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 4.011

VS= 2.015

GS= 4.016

CENTROID #

PATTERN #

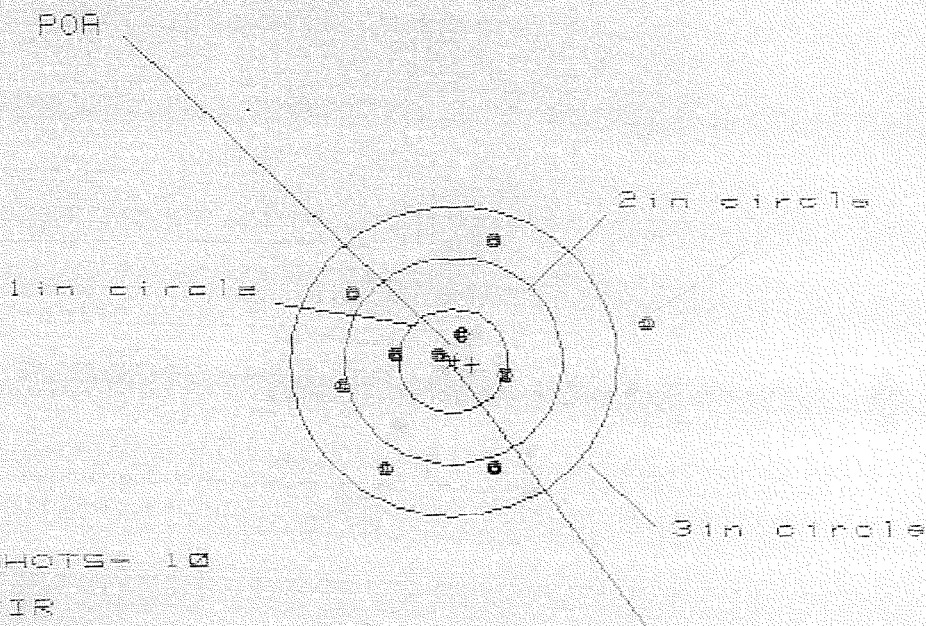
4

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.395	1.163	.994
MINIMUM X	-1.616	-1.349	-.891
MAXIMUM Y	.856	.844	.853
MINIMUM Y	-1.159	-1.171	-1.162
CENTROID X	.047	-.220	-.051
CENTROID Y	.096	.108	.099
POB TO CENTROID in.	.106	.245	.112
MIN RADIUS	.071	.266	.113
MEAN RADIUS	1.165	1.015	.954
MAX RADIUS	2.398	1.351	1.211
HORIZONTAL SPREAD	4.011	2.512	1.885
VERTICAL SPREAD	2.015	2.015	2.015
EXTREME SPREAD	4.016	2.579	2.298
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594512

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS = 2.725

VS = 2.195

CS = 2.799

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.736	.715	.665
MINIMUM X	:	-.989	-.796	-.845
MAXIMUM Y	:	1.113	1.158	1.028
MINIMUM Y	:	-1.081	-1.037	-1.145
CENTROID X	:	-.175	-.368	-.319
CENTROID Y	:	.042	-.002	.128
POA TO CENTROID in:	:	.180	.368	.343
MIN RADIUS	:	.099	.148	.069
MEAN RADIUS	:	.891	.782	.718
MAX RADIUS	:	1.781	1.307	1.259
HORIZONTAL SPREAD	:	2.725	1.511	1.511
VERTICAL SPREAD	:	2.195	2.195	2.173
EXTREME SPREAD	:	2.799	2.412	2.209
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594512

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 2.053

VS= 2.249

CS= 2.314

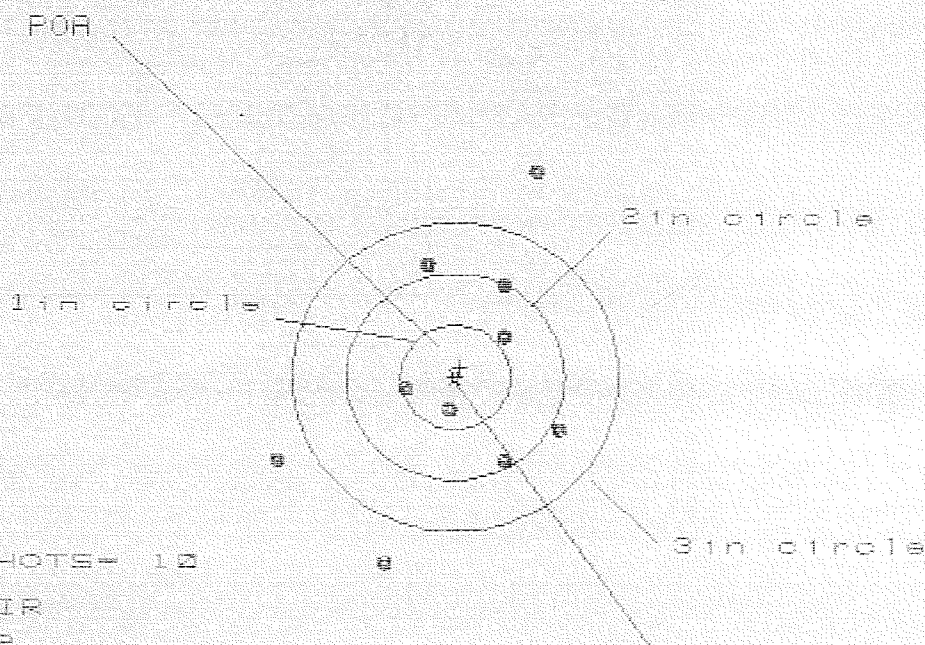
PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.284	.568	.571
MINIMUM X	-.769	-.626	-.623
MAXIMUM Y	1.245	1.239	.739
MINIMUM Y	-1.004	-1.010	-.855
CENTROID X	.083	-.060	-.063
CENTROID Y	-.174	-.168	-.323
POA TO CENTROID in.	.193	.179	.329
MIN RADIUS	.237	.186	.332
MEAN RADIUS	.709	.626	.559
MAX RADIUS	1.295	1.239	1.028
HORIZONTAL SPREAD	2.052	1.194	1.194
VERTICAL SPREAD	2.249	2.249	1.594
EXTREME SPREAD	2.314	2.314	1.677
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594512

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.654

VS= 3.774

CS= 4.053

CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.972	1.059	.983
MINIMUM X	:	-1.682	-1.595	-1.671
MAXIMUM Y	:	2.010	1.289	1.096
MINIMUM Y	:	-1.764	-1.540	-.771
CENTROID X	:	-.049	-.136	-.060
CENTROID Y	:	-.093	-.316	-.123
POA TO CENTROID in.	:	.105	.344	.137
MIN RADIUS	:	.320	.089	.297
MEAN RADIUS	:	1.128	.993	.902
MAX RADIUS	:	2.158	1.695	1.838
HORIZONTAL SPREAD	:	2.654	2.654	2.654
VERTICAL SPREAD	:	3.774	2.829	1.867
EXTREME SPREAD	:	4.053	2.867	2.690
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594512
16 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.129769
1 TO	2	.225577
1 TO	3	.120589
1 TO	4	.226612
1 TO	5	.0720139

4 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0416
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0382
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0564783
THE AMR FOR THIS RIFLE IS: .9152

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06584512

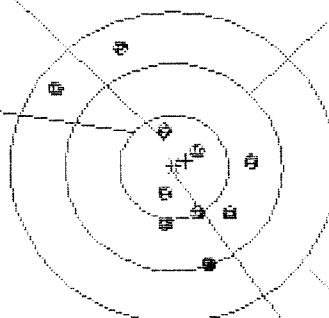
CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 6

3 in = 10

HE = 1.813

VE = 2.088

GE = 2.238

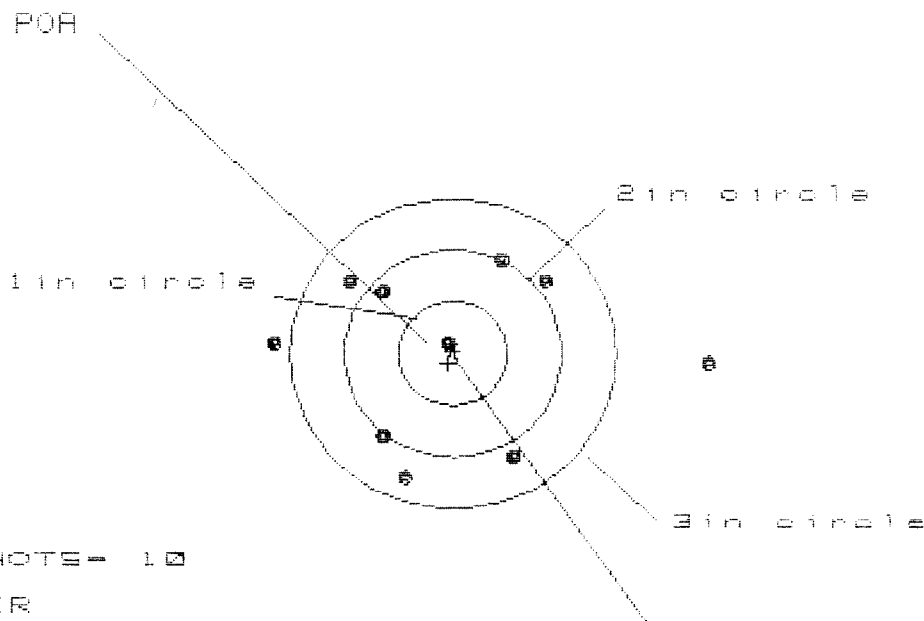
CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.742	.623	.543
MINIMUM X	-1.071	-.644	-.312
MAXIMUM Y	1.139	1.222	.642
MINIMUM Y	-.949	-.866	-.713
CENTROID X	-.114	.005	.085
CENTROID Y	-.062	-.145	-.298
POA TO CENTROID in.	.130	.146	.310
MIN RADIUS	.219	.230	.221
MEAN RADIUS	.682	.587	.464
MAX RADIUS	1.309	1.382	.717
HORIZONTAL SPREAD	1.813	1.267	.855
VERTICAL SPREAD	2.088	2.088	1.355
EXTREME SPREAD	2.238	2.238	1.090
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594512

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 4.011

VS= 2.015

GS= 4.016

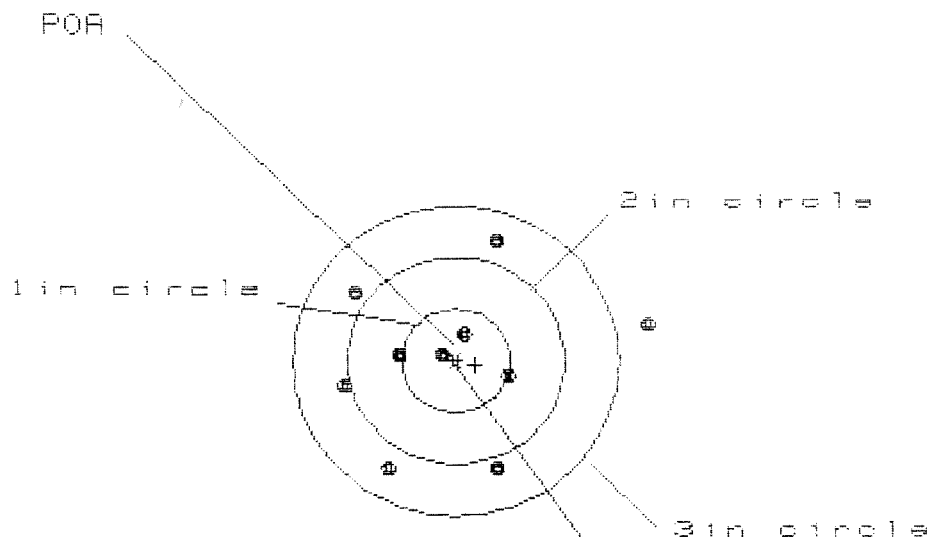
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.395	1.163	.994
MINIMUM X	:	-1.616	-1.349	-.891
MAXIMUM Y	:	.856	.844	.853
MINIMUM Y	:	-1.159	-1.171	-1.162
CENTROID X	:	.047	-.220	-.051
CENTROID Y	:	.096	.108	.099
POA TO CENTROID in.	:	.106	.245	.112
MIN RADIUS	:	.071	.266	.113
MEAN RADIUS	:	1.166	1.015	.954
MAX RADIUS	:	2.398	1.351	1.211
HORIZONTAL SPREAD	:	4.011	2.512	1.885
VERTICAL SPREAD	:	2.015	2.015	2.015
EXTREME SPREAD	:	4.016	2.579	2.298
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594512

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.725

VS= 2.195

GS= 2.799

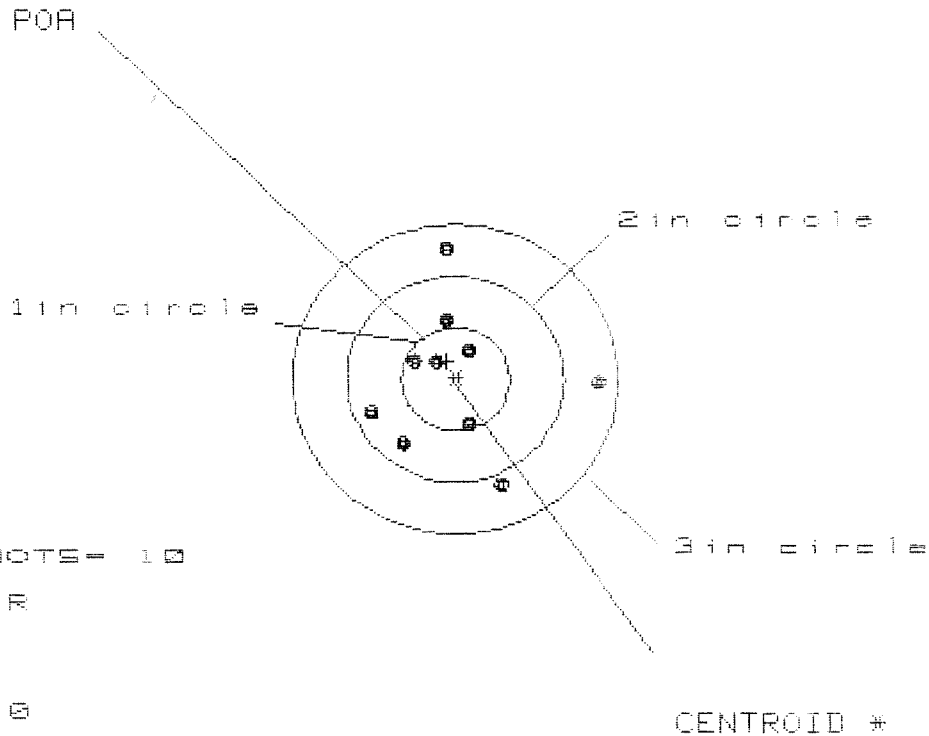
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.736	.715	.665
MINIMUM X	:	-.989	-.796	-.845
MAXIMUM Y	:	1.113	1.158	1.028
MINIMUM Y	:	-1.081	-1.037	-1.145
CENTROID X	:	-.175	-.368	-.319
CENTROID Y	:	.042	-.002	.128
POA TO CENTROID in.	:	.180	.368	.343
MIN RADIUS	:	.099	.148	.069
MEAN RADIUS	:	.891	.782	.718
MAX RADIUS	:	1.781	1.307	1.259
HORIZONTAL SPREAD	:	2.725	1.511	1.511
VERTICAL SPREAD	:	2.195	2.195	2.173
EXTREME SPREAD	:	2.799	2.412	2.209
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

16 Jan 1981

FILE:/PATTERNING/CENTERFIRE_PATT/06594512

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 2.052

VS= 2.249

GS= 2.314

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.284	.568	.571
MINIMUM X	:	-.769	-.626	-.623
MAXIMUM Y	:	1.245	1.239	.739
MINIMUM Y	:	-1.004	-1.010	-.855
CENTROID X	:	.083	-.060	-.063
CENTROID Y	:	-.174	-.168	-.323
POA TO CENTROID in.	:	.193	.179	.329
MIN RADIUS	:	.237	.186	.332
MEAN RADIUS	:	.709	.626	.559
MAX RADIUS	:	1.285	1.239	1.028
HORIZONTAL SPREAD	:	2.052	1.194	1.194
VERTICAL SPREAD	:	2.249	2.249	1.594
EXTREME SPREAD	:	2.314	2.314	1.677
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06534512

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 2.654

VS= 3.774

CS= 4.053

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.972	1.059	.983
MINIMUM X	-1.682	-1.595	-1.671
MAXIMUM Y	2.010	1.289	1.896
MINIMUM Y	-1.764	-1.540	-1.771
CENTROID X	-.049	-.136	-.060
CENTROID Y	-.093	-.316	-.123
POA TO CENTROID in.	.105	.344	.137
MIN RADIUS	.320	.089	.287
MEAN RADIUS	1.128	.993	.902
MAX RADIUS	2.158	1.695	1.838
HORIZONTAL SPREAD	2.654	2.654	2.654
VERTICAL SPREAD	3.774	2.829	1.867
EXTREME SPREAD	4.053	2.867	2.690
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 7		