

65594547

MODEL 700™ M24

Model SWS™

Action _____

Barrel Length _____

Capacity _____

Order No. 5715

*Includes 1 in chamber.



File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Number: **RE00078610** Serial: C6594547 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 3/12/2004 8:43:33 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **COMMANDER** **COMMANDER**

Address 1: **CLO 213RD SFG A** **CLO 213RD SFG A**

Address 2: PO Box: 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: 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
C000	DEPLOYMENT CASE	1
C0001	FRT AND REAR BASI	1

Repair Search Refresh Close

neglet 3/12/2004 8:57 AM CAPS NUM INS SCPL

start 2 2 2 5

Serial Number: **C6594547**

Model: **M24 SWS**

RE00078610

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594547.___0
FILE DATE AND TIME: 03/30/2004 07:09

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.054
The Average Y Centroid of the Five Target Set:	0.006
The Average Point of Impact of the Five Target Set:	0.054
The Average Mean Radius of the Five Target Set:	0.772
The Distance from POA to Centroid Target #1:	0.152
The Distance from Centroid Target #2 to Centroid Target #1:	0.105
The Distance from Centroid Target #3 to Centroid Target #1:	0.164
The Distance from Centroid Target #4 to Centroid Target #1:	0.186
The Distance from Centroid Target #5 to Centroid Target #1:	0.199

SERIAL NUMBER: C6594547. __0

TARGET NUMBER: 1

FILE DATE: 03/30/2004

FILE TIME: 07:09

X CENTROID: 0.149

Y CENTROID: 0.030

POA TO CENTROID: 0.152

HORZ SPREAD: 2.011

VERT SPREAD: 2.114

GROUP SPREAD: 2.486

MIN RADIUS: 0.022

MAX RADIUS: 1.382

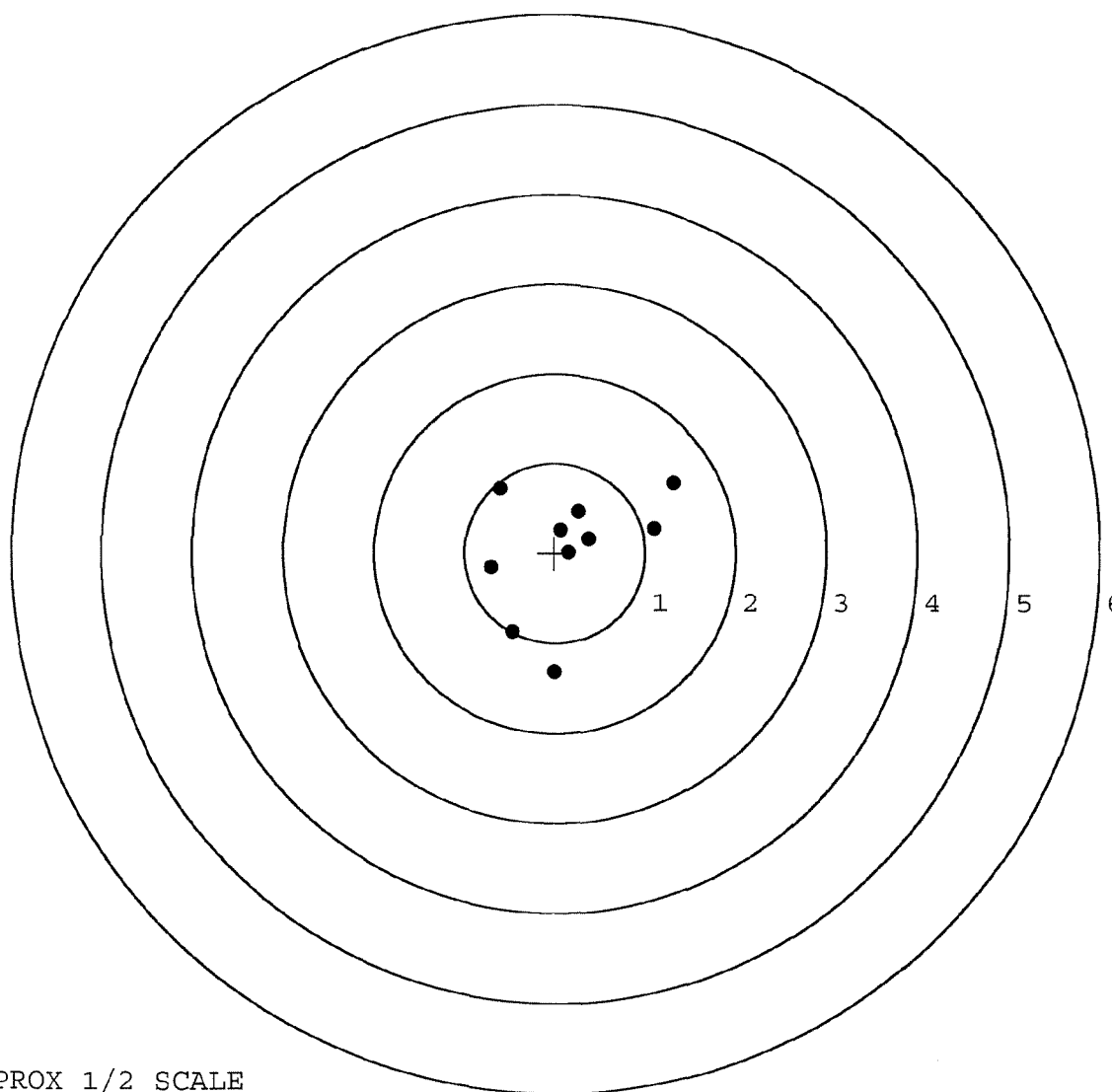
MEAN RADIUS: 0.772

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.002	-1.331
2:	-0.469	-0.884
3:	-0.704	-0.166
4:	-0.613	0.720
5:	1.099	0.278
6:	1.307	0.783
7:	0.262	0.463
8:	0.384	0.166
9:	0.064	0.260
10:	0.159	0.011



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594547. 0

TARGET NUMBER: 2

FILE DATE: 03/30/2004

FILE TIME: 07:09

X CENTROID: 0.046

Y CENTROID: 0.007

POA TO CENTROID: 0.046

HORZ SPREAD: 1.299

VERT SPREAD: 3.508

GROUP SPREAD: 3.509

MIN RADIUS: 0.287

MAX RADIUS: 1.939

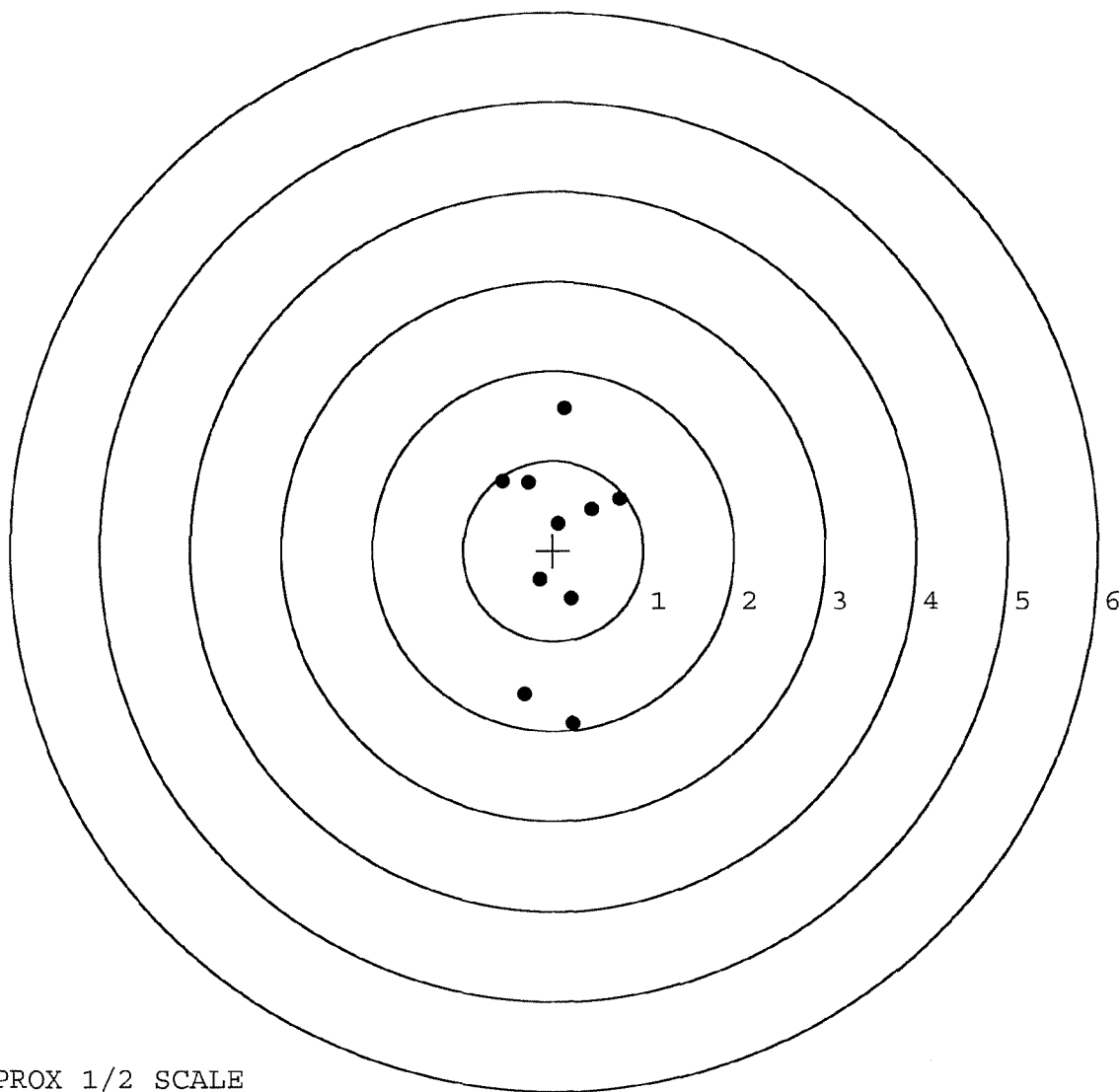
MEAN RADIUS: 0.968

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.054	0.294
2:	0.223	-1.924
3:	-0.319	-1.602
4:	0.201	-0.529
5:	-0.153	-0.325
6:	0.738	0.576
7:	0.428	0.466
8:	-0.275	0.757
9:	-0.561	0.771
10:	0.122	1.584



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594547.___0

TARGET NUMBER: 3

FILE DATE: 03/30/2004

FILE TIME: 07:09

X CENTROID: 0.050

Y CENTROID: 0.161

POA TO CENTROID: 0.169

HORZ SPREAD: 1.629

VERT SPREAD: 1.517

GROUP SPREAD: 1.586

MIN RADIUS: 0.292

MAX RADIUS: 1.029

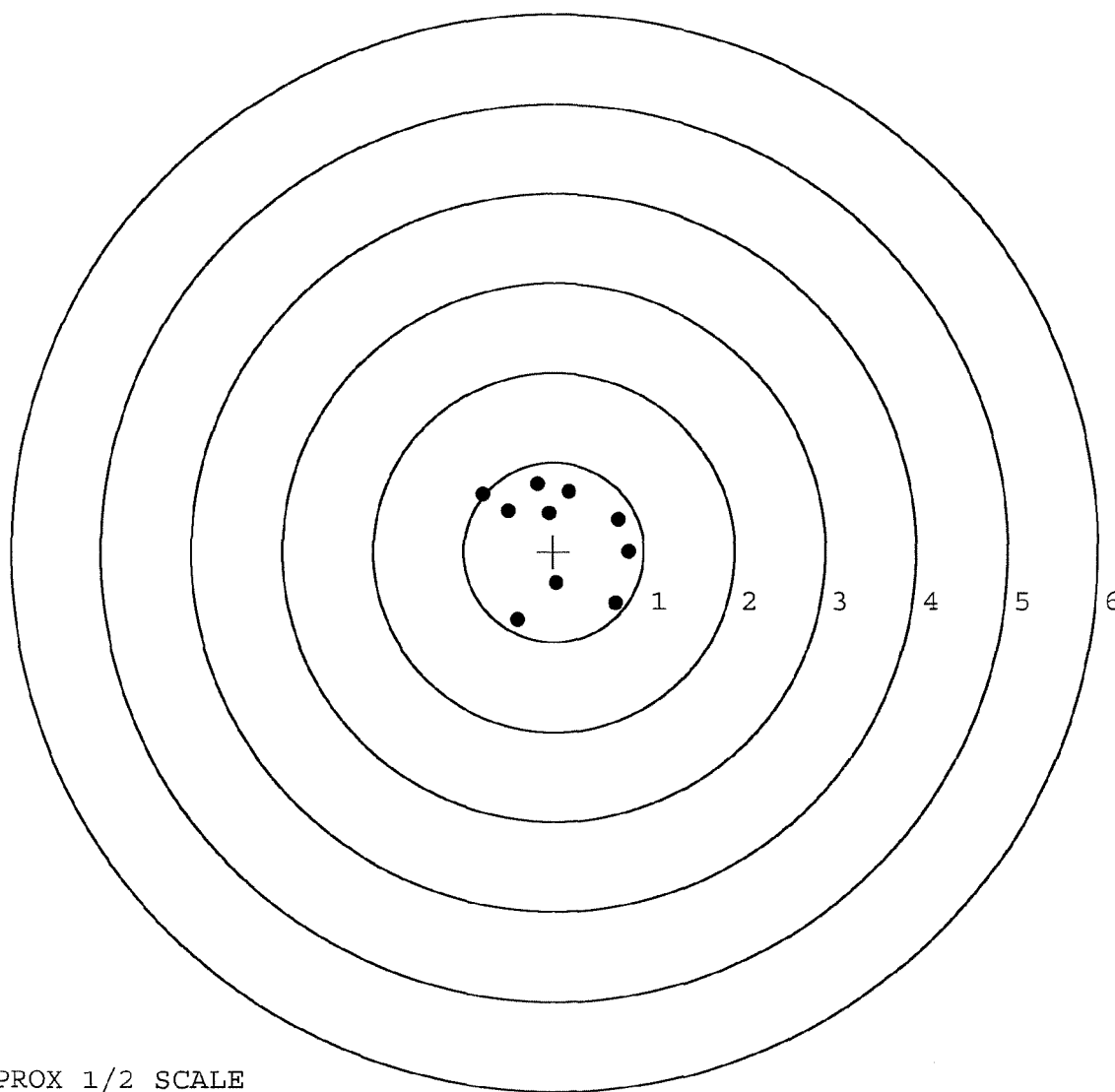
MEAN RADIUS: 0.709

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.840	-0.006
2:	0.718	0.360
3:	0.692	-0.576
4:	0.032	-0.358
5:	-0.403	-0.762
6:	-0.789	0.640
7:	-0.513	0.456
8:	-0.184	0.755
9:	0.168	0.672
10:	-0.059	0.432



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594547.___0

TARGET NUMBER: 4

FILE DATE: 03/30/2004

FILE TIME: 07:09

X CENTROID: -0.030

Y CENTROID: -0.023

POA TO CENTROID: 0.038

HORZ SPREAD: 1.773

VERT SPREAD: 3.004

GROUP SPREAD: 3.009

MIN RADIUS: 0.053

MAX RADIUS: 1.714

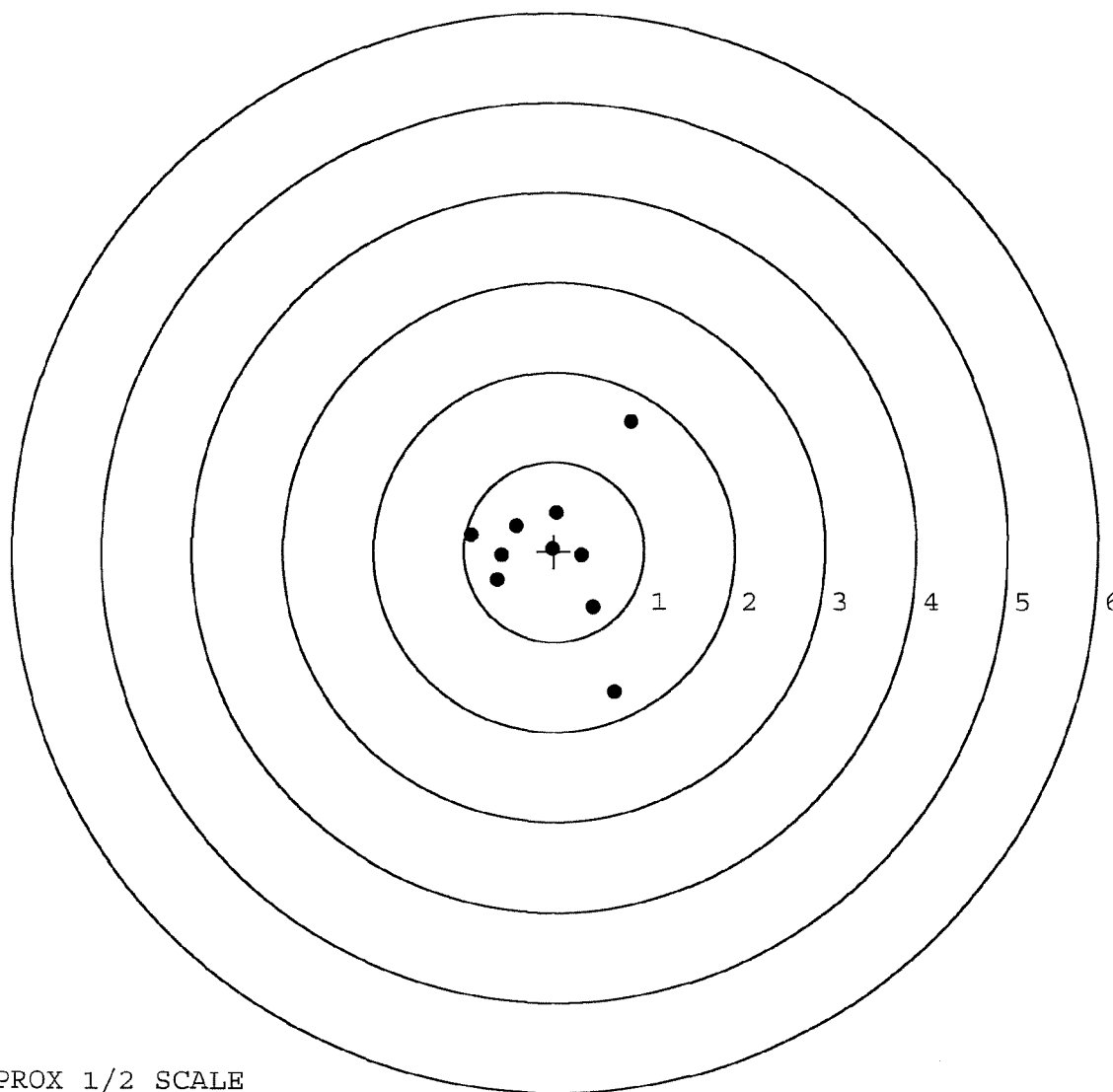
MEAN RADIUS: 0.763

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.668	-1.555
2:	0.437	-0.616
3:	0.307	-0.040
4:	0.848	1.449
5:	0.020	0.427
6:	-0.426	0.277
7:	-0.018	0.029
8:	-0.628	-0.326
9:	-0.582	-0.052
10:	-0.925	0.177



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594547.___0

TARGET NUMBER: 5

FILE DATE: 03/30/2004

FILE TIME: 07:09

X CENTROID: 0.054

Y CENTROID: -0.145

POA TO CENTROID: 0.155

HORZ SPREAD: 1.365

VERT SPREAD: 1.527

GROUP SPREAD: 1.551

MIN RADIUS: 0.297

MAX RADIUS: 0.899

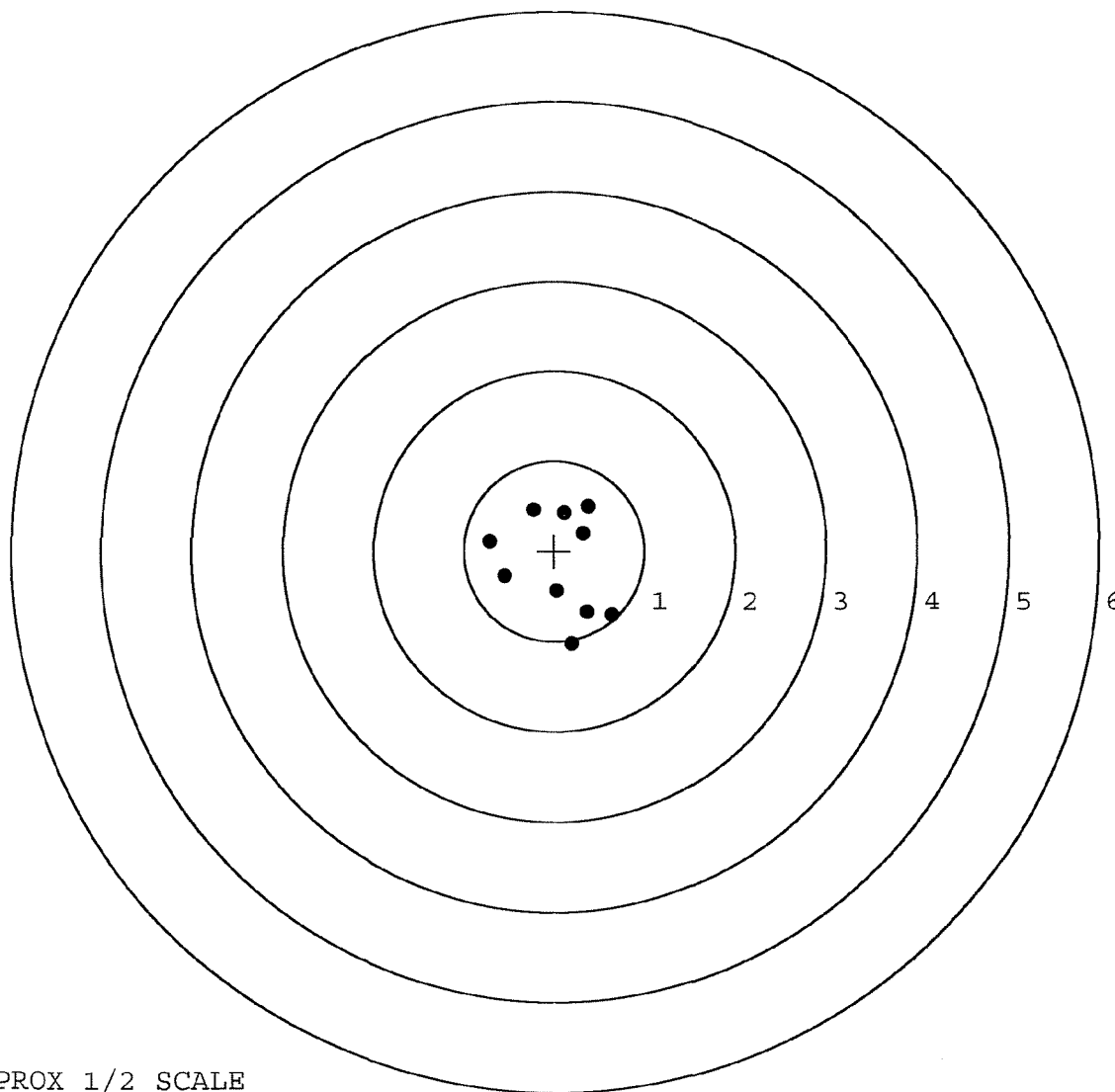
MEAN RADIUS: 0.645

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.646	-0.707
2:	0.198	-1.033
3:	-0.551	-0.279
4:	-0.719	0.113
5:	-0.236	0.456
6:	0.111	0.421
7:	0.375	0.494
8:	0.320	0.197
9:	0.032	-0.442
10:	0.369	-0.674



TARGET APPROX 1/2 SCALE

R & E NUMBER	78610		
SERIAL NUMBER	06594547		
LOG-IN DATE	3-12-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-12-04	RTL
560 A	RE-BARREL	3-15-04	RTL
B	DRILL AND TAP	3-15-04	TRW
575	ASSEMBLE	3-15-04	RTL
600	PROOF	3-15-04	TRW
605	CHECK HEADSPACE	3-15-04	TRW
610	DIS-ASSEMBLE GUN	3-15-04	RTL
612	MAGNAFLUX	3-15-04	RTL
615	ROLLMARK CALIBER	3-15-04	RTL
618	ROTO-BLAST	3-16-2004	Dams
620	APPLY COATINGS	3-19	TA
625 A	FINAL ASSEMBLY	3-23-04	TRW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	3-30-04	TRW
655	FINAL INSPECT	4-6-04	TR
660	PACK	5-17-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools ESR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00034898** Serial: C6594547 Model: 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 11/1/01 8:45:18 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: C CO 2/3RD SFGA C CO 2/3RD SFGA

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

City: FORT BRAGG FORT BRAGG

State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 Country: US

FEL

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Condition: Poor

Condition Notes: CSP Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A015	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1

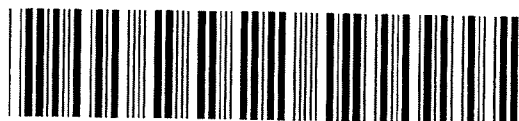
Repair Search Refresh Close

11/1/01 9:50 AM CAPS NUM INS SCPL

Start Inbox - M... Calendar... Microsoft... NJBGS C... Arms S... 9:50 AM

Serial Number: **C6594547**

Model: **700**



RE00034898

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594547.__0
FILE DATE AND TIME: 11/27/2001 11:27

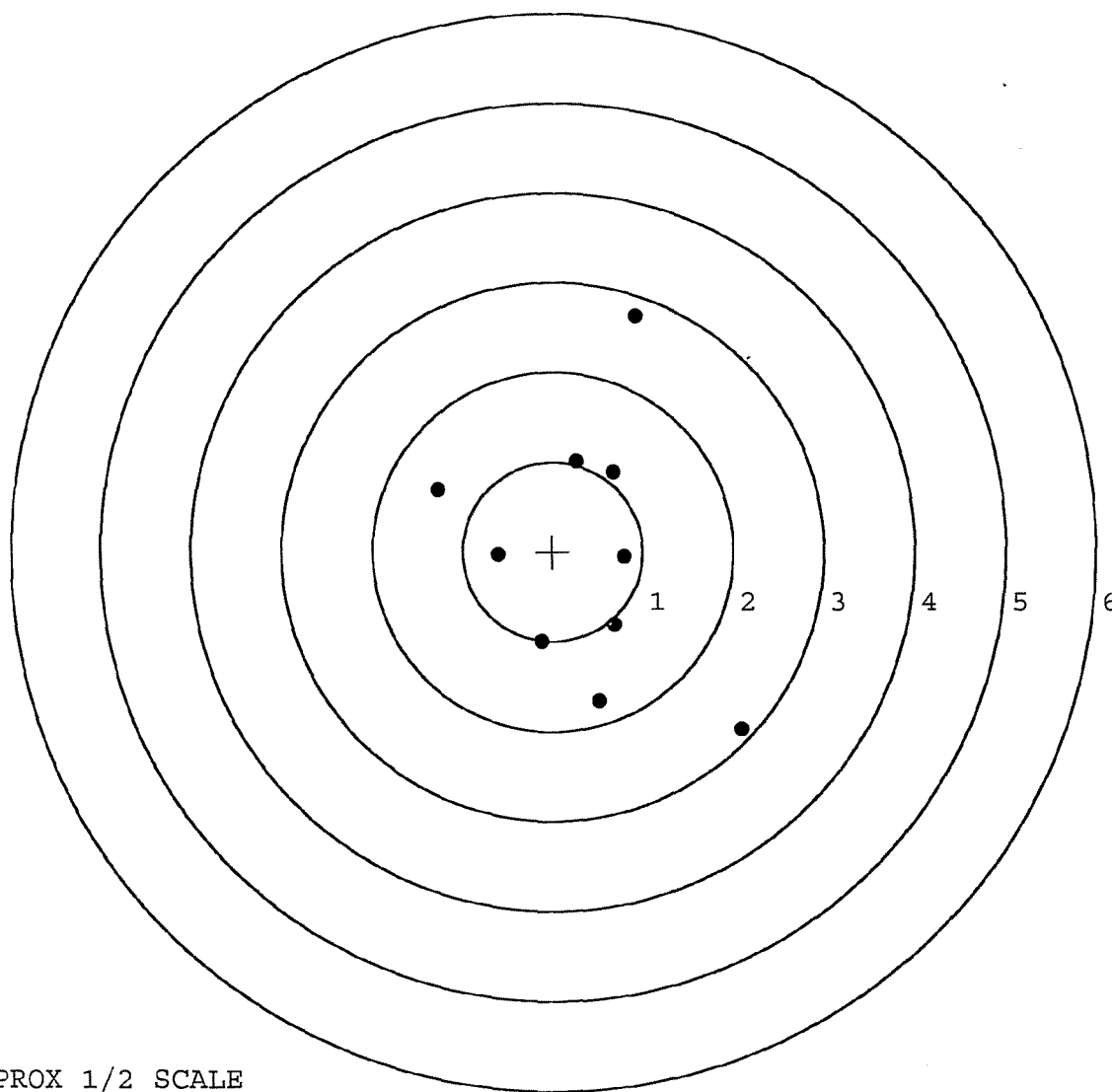
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.160
The Average Y Centroid of the Five Target Set:	0.117
The Average Point of Impact of the Five Target Set:	0.199
The Average Mean Radius of the Five Target Set:	1.061
The Distance from POA to Centroid Target #1:	0.397
The Distance from Centroid Target #2 to Centroid Target #1:	1.685
The Distance from Centroid Target #3 to Centroid Target #1:	0.650
The Distance from Centroid Target #4 to Centroid Target #1:	0.578
The Distance from Centroid Target #5 to Centroid Target #1:	0.471

SERIAL NUMBER: C6594547. 0
TARGET NUMBER: 1
FILE DATE: 11/27/2001
FILE TIME: 11:27

X CENTROID: 0.396
Y CENTROID: -0.034
POA TO CENTROID: 0.397
HORZ SPREAD: 3.388
VERT SPREAD: 4.599
GROUP SPREAD: 4.753
MIN RADIUS: 0.399
MAX RADIUS: 2.715
MEAN RADIUS: 1.411
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 6

POINT#	X	Y
1:	2.106	-1.967
2:	0.530	-1.666
3:	0.691	-0.820
4:	0.794	-0.055
5:	0.670	0.888
6:	0.264	1.013
7:	0.907	2.632
8:	-1.282	0.681
9:	-0.604	-0.040
10:	-0.117	-1.008



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594547. __0

TARGET NUMBER: 2

FILE DATE: 11/27/2001

FILE TIME: 11:27

X CENTROID: -0.769

Y CENTROID: 1.183

POA TO CENTROID: 1.411

HORZ SPREAD: 2.654

VERT SPREAD: 3.122

GROUP SPREAD: 3.193

MIN RADIUS: 0.469

MAX RADIUS: 1.772

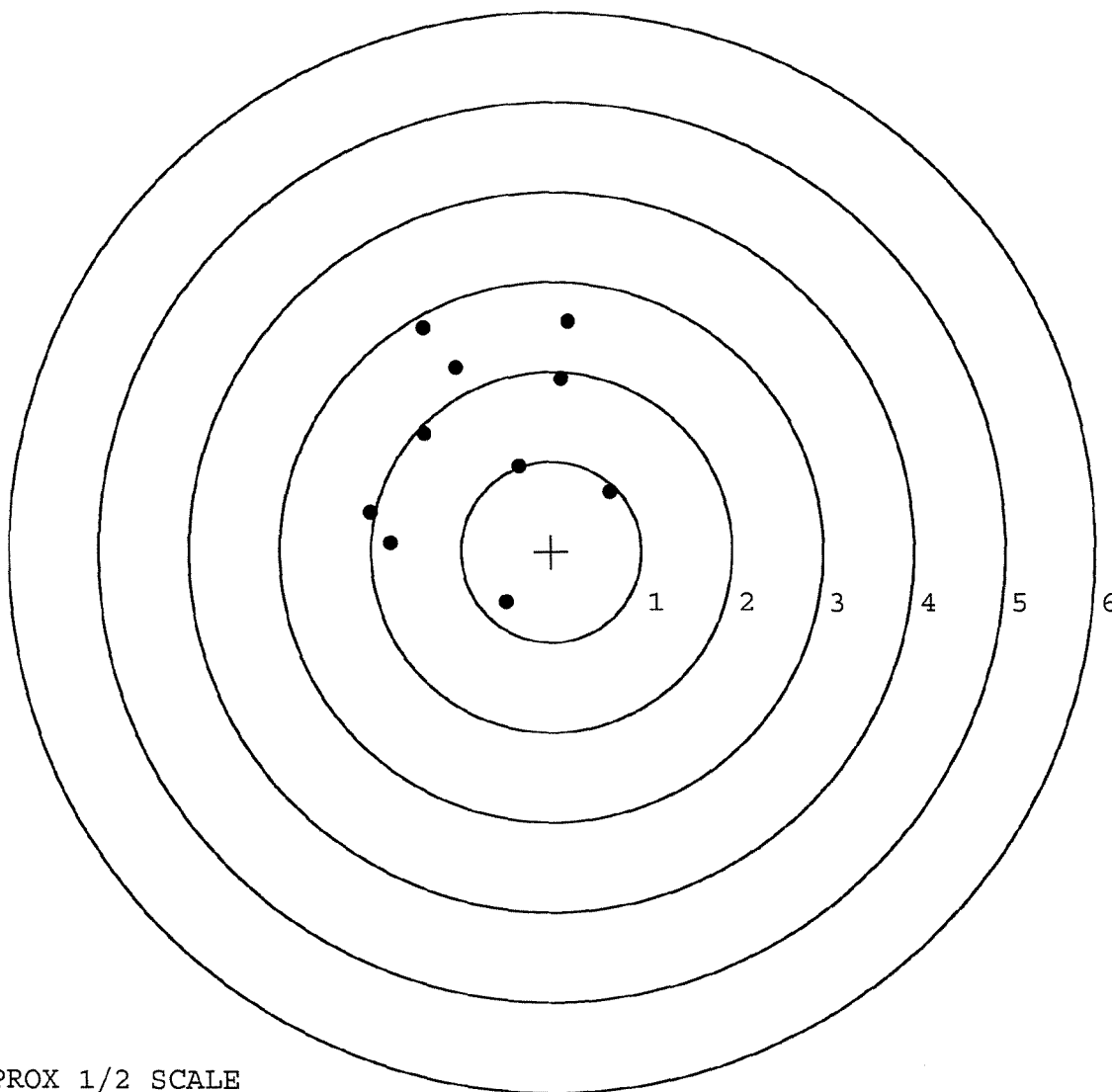
MEAN RADIUS: 1.253

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.172	2.554
2:	0.095	1.926
3:	-1.075	2.037
4:	-1.442	2.473
5:	-0.498	-0.568
6:	-2.013	0.417
7:	-1.421	1.298
8:	-0.366	0.943
9:	0.641	0.664
10:	-1.785	0.084



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594547. __0

TARGET NUMBER: 3

FILE DATE: 11/27/2001

FILE TIME: 11:27

X CENTROID: -0.189

Y CENTROID: -0.319

POA TO CENTROID: 0.371

HORZ SPREAD: 2.514

VERT SPREAD: 2.679

GROUP SPREAD: 2.905

MIN RADIUS: 0.388

MAX RADIUS: 1.484

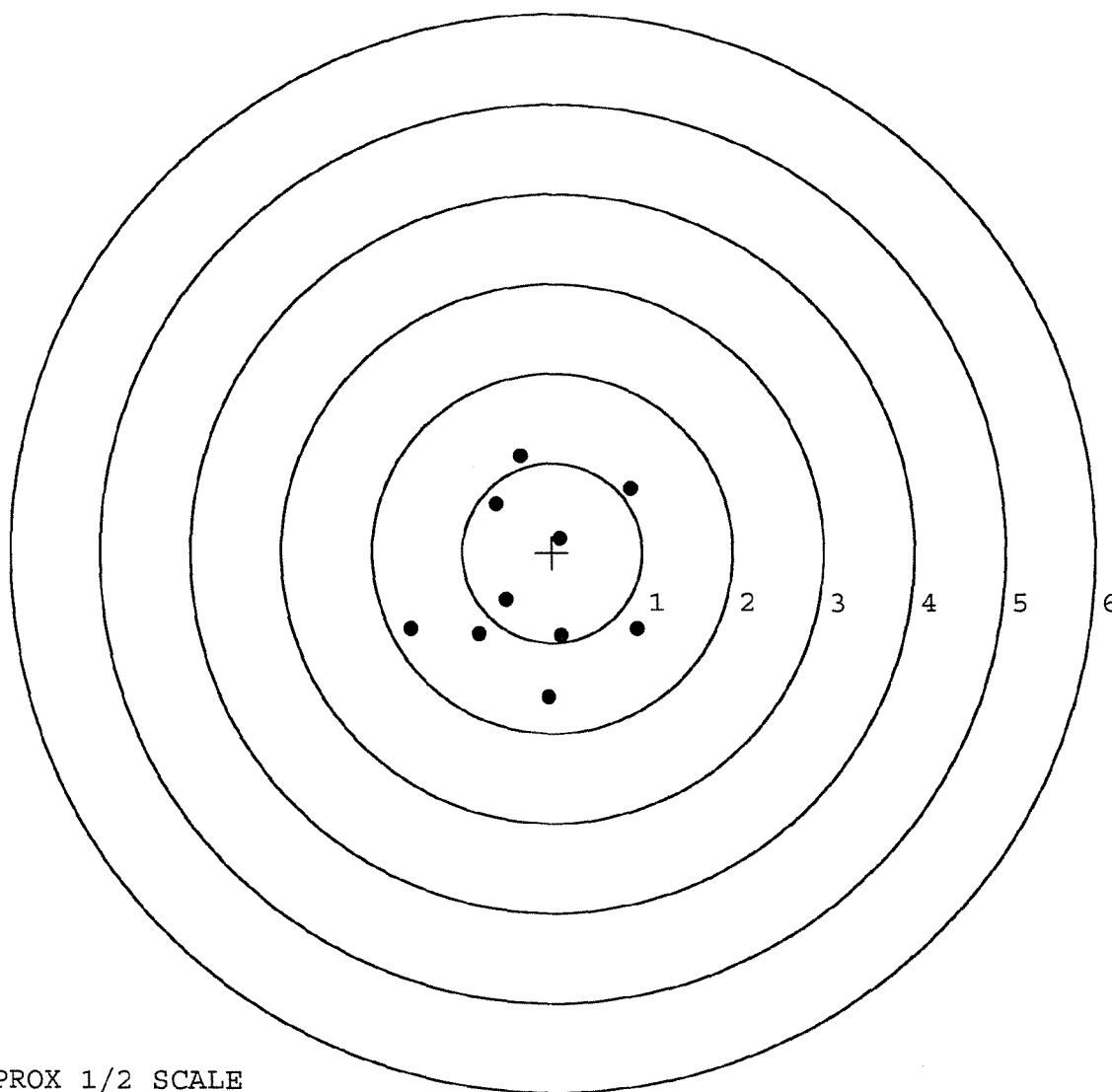
MEAN RADIUS: 1.035

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.866	0.725
2:	-0.365	1.074
3:	-0.625	0.535
4:	0.949	-0.848
5:	0.091	0.160
6:	-0.509	-0.539
7:	0.112	-0.922
8:	-0.034	-1.605
9:	-0.807	-0.907
10:	-1.565	-0.865



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594547.___0

TARGET NUMBER: 4

FILE DATE: 11/27/2001

FILE TIME: 11:27

X CENTROID: -0.168

Y CENTROID: -0.158

POA TO CENTROID: 0.231

HORZ SPREAD: 2.387

VERT SPREAD: 2.285

GROUP SPREAD: 2.521

MIN RADIUS: 0.196

MAX RADIUS: 1.496

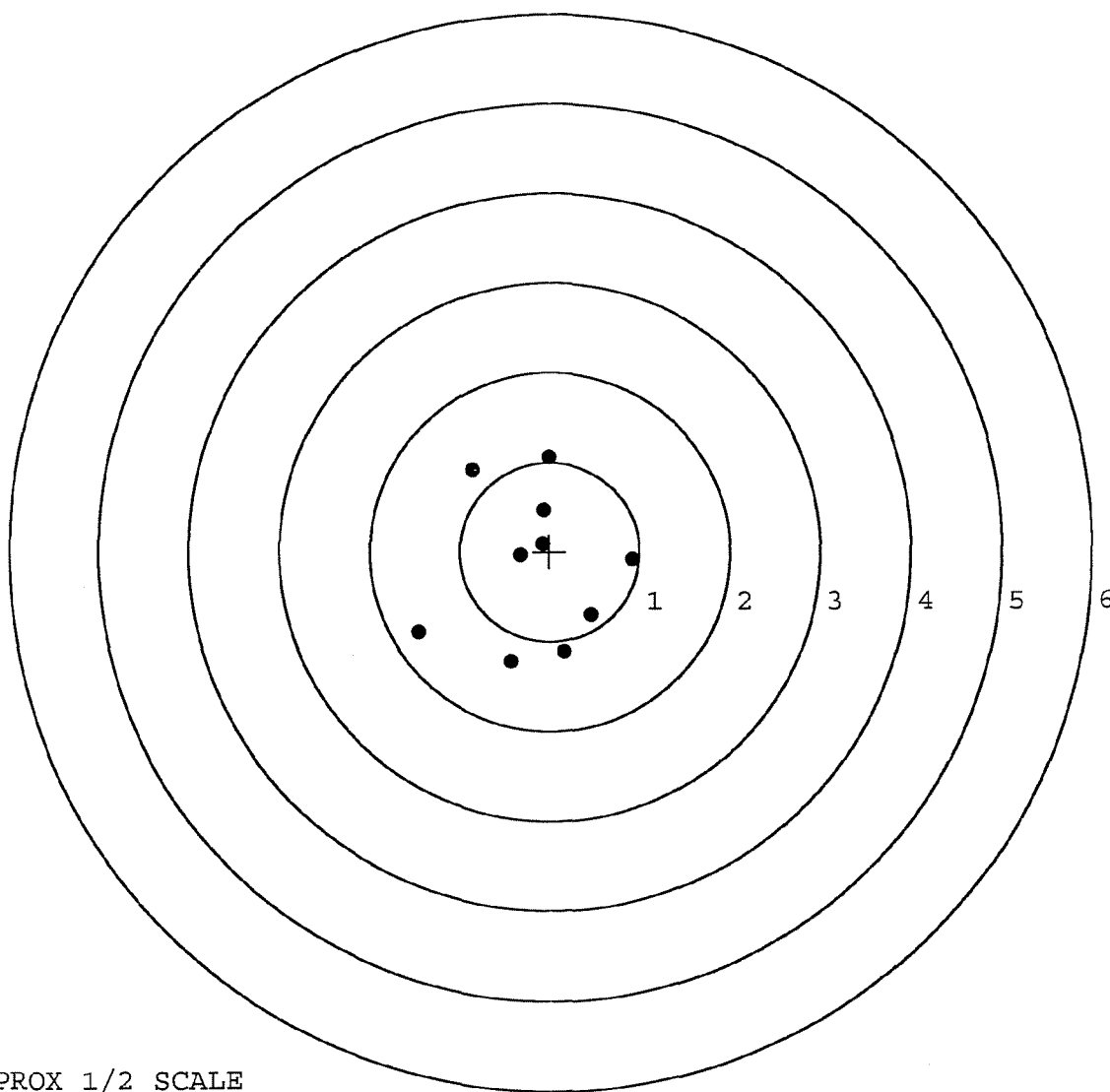
MEAN RADIUS: 0.913

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.922	-0.092
2:	0.464	-0.705
3:	0.169	-1.122
4:	-0.428	-1.230
5:	-1.465	-0.904
6:	-0.013	1.055
7:	-0.857	0.914
8:	-0.073	0.465
9:	-0.076	0.083
10:	-0.326	-0.042

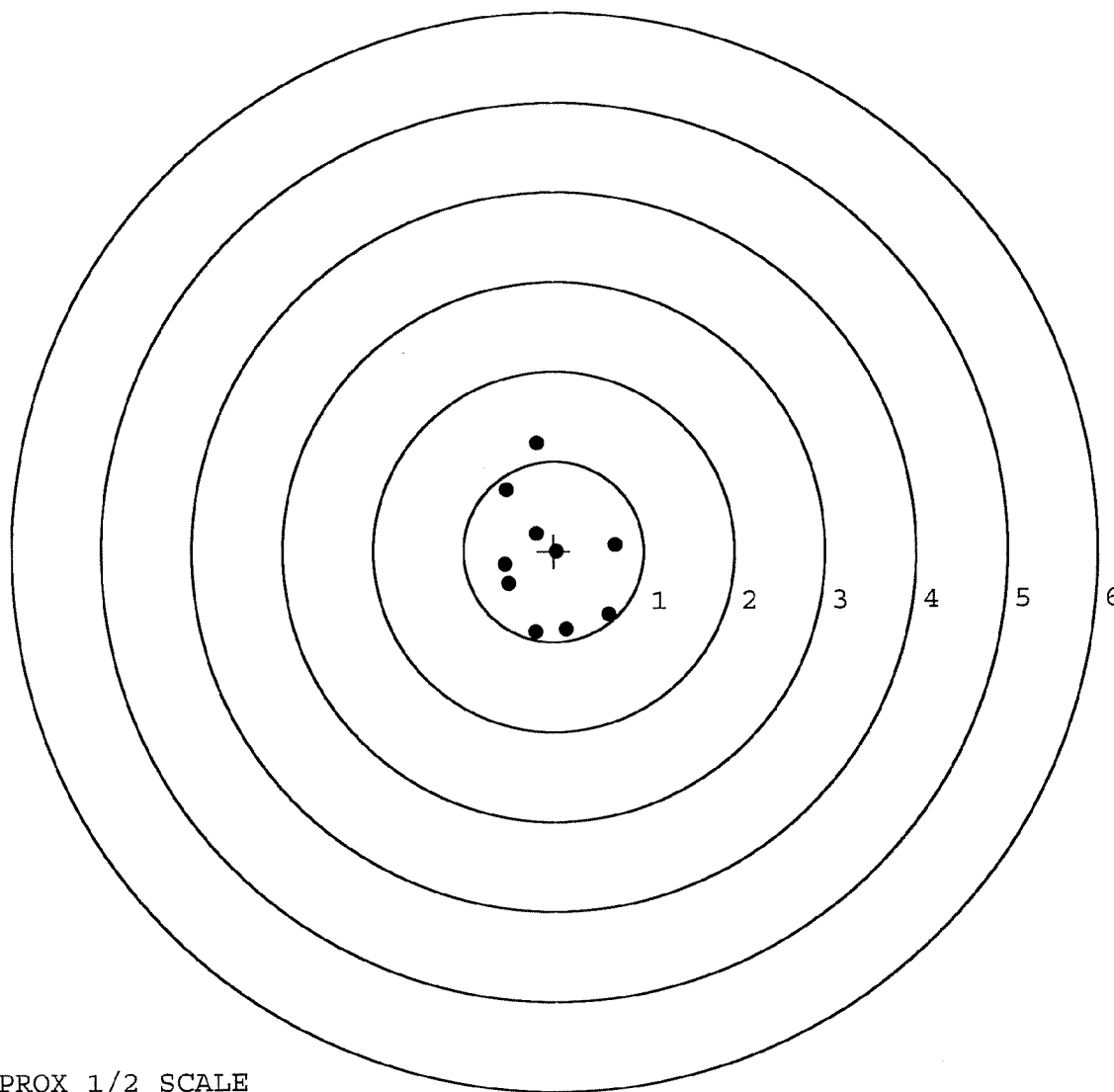


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594547.___0
TARGET NUMBER: 5
FILE DATE: 11/27/2001
FILE TIME: 11:27

X CENTROID: -0.072
Y CENTROID: -0.085
POA TO CENTROID: 0.111
HORZ SPREAD: 1.224
VERT SPREAD: 2.103
GROUP SPREAD: 2.103
MIN RADIUS: 0.123
MAX RADIUS: 1.294
MEAN RADIUS: 0.693
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.188	1.204
2:	-0.526	0.681
3:	0.681	0.070
4:	0.027	-0.012
5:	-0.199	0.194
6:	-0.506	-0.364
7:	-0.543	-0.147
8:	0.609	-0.703
9:	0.134	-0.870
10:	-0.210	-0.899



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	34898		
SERIAL NUMBER	C1059 4547		
LOG-IN DATE	11-1-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-5-01	RH
560 A	RE-BARREL	11/6	BWT
B	DRILL AND TAP	11/7	BWT
575	ASSEMBLE	11-7-01	RW
600	PROOF MAGNA - FLUX	11-7-01	RW
605	CHECK HEADSPACE INSPECTED	11-7-01	RW
610	DIS-ASSEMBLE GUN NOV 12 2001	11-7-01	RW
612	MAGNAFLUX OPERATOR <u>BRD</u>		
615	ROLLMARK CALIBER	11/12	(A)
618	ROTO-BLAST	11/14	K
620	APPLY COATINGS	11-15	TA
625 A	FINAL ASSEMBLY	11-20-01	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-27-01	AC
655	FINAL INSPECT	11-28-01	BR
660	PACK	11-28-01	BR
		SHIP DATE	
	QAR INSPECTION DATE		

Final Inspection

In: C6594347

DATE REC'D: 11-1-01

DATE RET'D: 11/28/01

EDITOR: *PH*

Item:

Barrel Assy.

- ☐ BARREL
- ☒ RECEIVER
- ☐ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☐ FINISH

Scope Assy.

- ☐ Scope
- ☒ Scope Rings
- ☒ Mounting Screws
- ☒ Mounting Base
- ☒ Screws
- ☐ FINISH
- ☒ Looseness
- ☐ CLARITY

Misc.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

Stock Assy.

- ☒ STOCK
- ☐ SLING SWIVEL STUDS
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Systems Case

- ☐ Scope Case
- ☐ IRON SIGHTS
- ☐ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET

Comments: _____




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

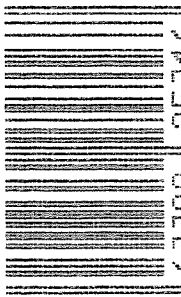
MODEL 700™ H24

SERIAL NO.
C6594547

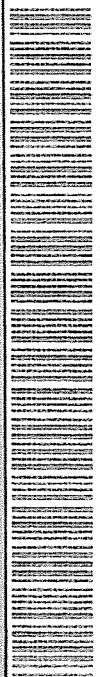
ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6594547

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594547

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-791	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GL
617	Drill and Tap Sight Holes	1	1091	LB
618	Polish Barrel	1	1091	LB
620	Apply Coatings (Barrel Action)		1-12-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/19/91	RW
	C) Inspect Ejector Hole for Chamfer		1/19/91	RW
	D) Oil Firing Pin Ass'y		1/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/28/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1/28/91	WB
	G) Safety Off Force	3 ³ / ₄	3 ³ / ₄	3 ³ / ₄			1/28/91	WB
	H) Trigger Pull Test & Retainability						1/28/91	Jef
	I) Firing Pin Indent	.022	.022	.022			1/28/91	WB
	J) Assemble Stock						1/28/91	RW
	K) Assemble Swivel Studs						2-21-91	K
	L) Attach Front and Rear Sight Assemblies						1/28/91	RW
	M) Iron Sight Alignment						1/28/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/28/91	RW
	O) Attach Scope to Rifle						1/28/91	RW
	P) Detach & Attach Scope 20 Times						1/28/91	RW
640	Gallery Target & Test						1-28-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						1-28-91	NF
655	Final Inspection							
	A) Headspace						2-4-91	AK
	B) Trigger Pull	2.36	2.36	2.36	2.33	2.38	2-1-91	JJ
	C) Function						2-4-91	K
660	Pack						3/15/91	WB

SWS TRIGGER PULL TEST

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

SERIAL NO. C6594647

DATE 1-28-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.34	2.50	2.36	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.40	2.43	2.36	
PULL #3	2.46	2.38	2.48	2.36	
PULL #4	2.46	2.16	2.49	2.33	
PULL #5	2.54	2.44	2.46	2.38	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.50		
PULL #2	3.48	3.46		
PULL #3	3.45	3.42		
PULL #4	3.43	3.49		
PULL #5	3.59	3.48		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX. SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.22		4.43
PULL #2	4.34	4.25		4.45
PULL #3	4.30	4.27		4.48
PULL #4	4.30	4.29		4.39
PULL #5	4.25	4.24		4.48
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594547
29 Jan 1991

CENTROIDAL DISTANCES

0 TO 1	.07245
1 TO 2	.132439
1 TO 3	.263068
1 TO 4	.256844
1 TO 5	.131015

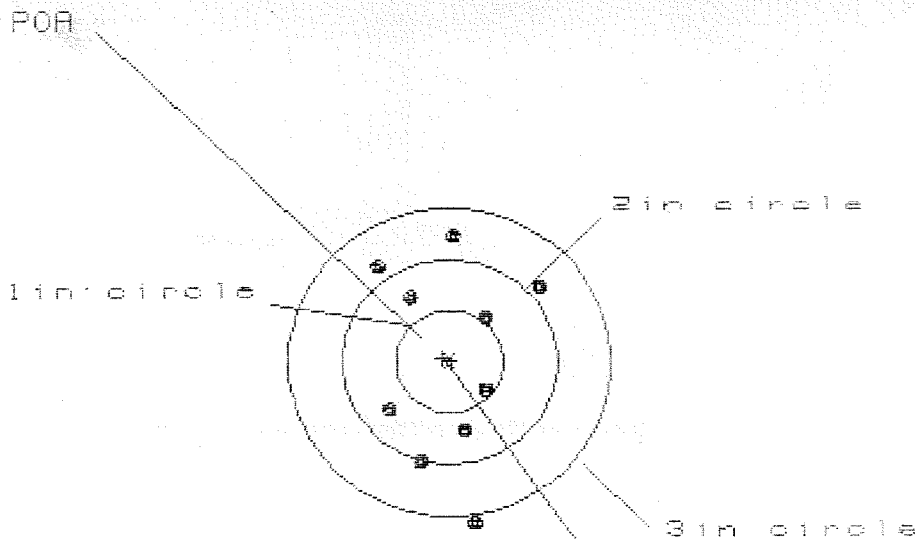
彈 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.028
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0444
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0524915
THE AMR FOR THIS RIFLE IS: .9142

29 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594547

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.470

VS= 2.775

GS= 2.789

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.803	.833	.835
MINIMUM X	-.667	-.637	-.635
MAXIMUM Y	1.239	1.068	.892
MINIMUM Y	-1.536	-1.174	-1.040
CENTROID X	.065	.035	.033
CENTROID Y	-.032	.139	.005
POA TO CENTROID in.	.072	.143	.033
MIN RADIUS	.412	.459	.460
MEAN RADIUS	.913	.833	.794
MAX RADIUS	1.560	1.191	1.095
HORIZONTAL SPREAD	1.470	1.470	1.470
VERTICAL SPREAD	2.775	2.242	1.932
EXTREME SPREAD	2.789	2.252	2.024
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		

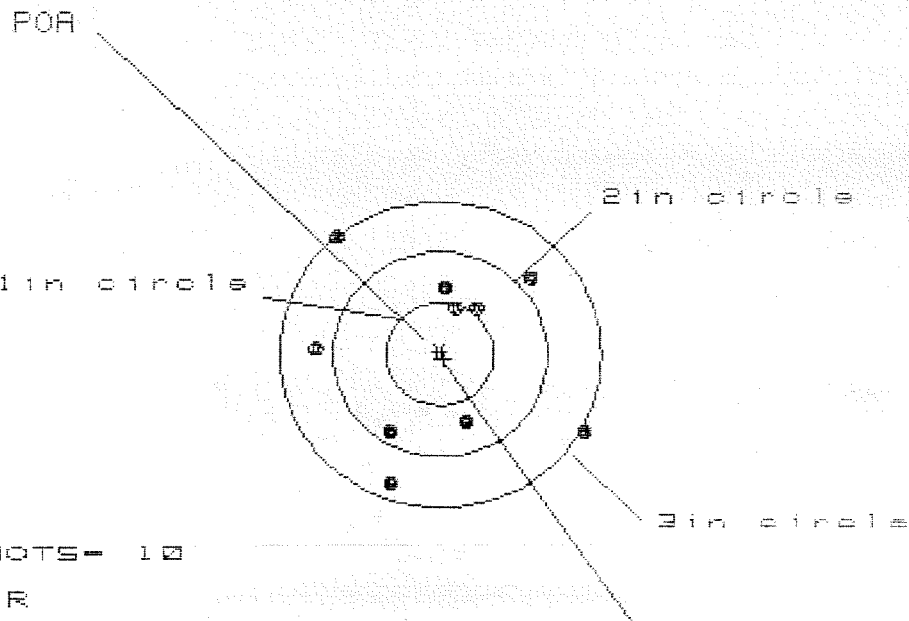
NUMBER IN THREE INCH CIRCLE =

9

29 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594547

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.501

VS= 2.436

GS= 3.023

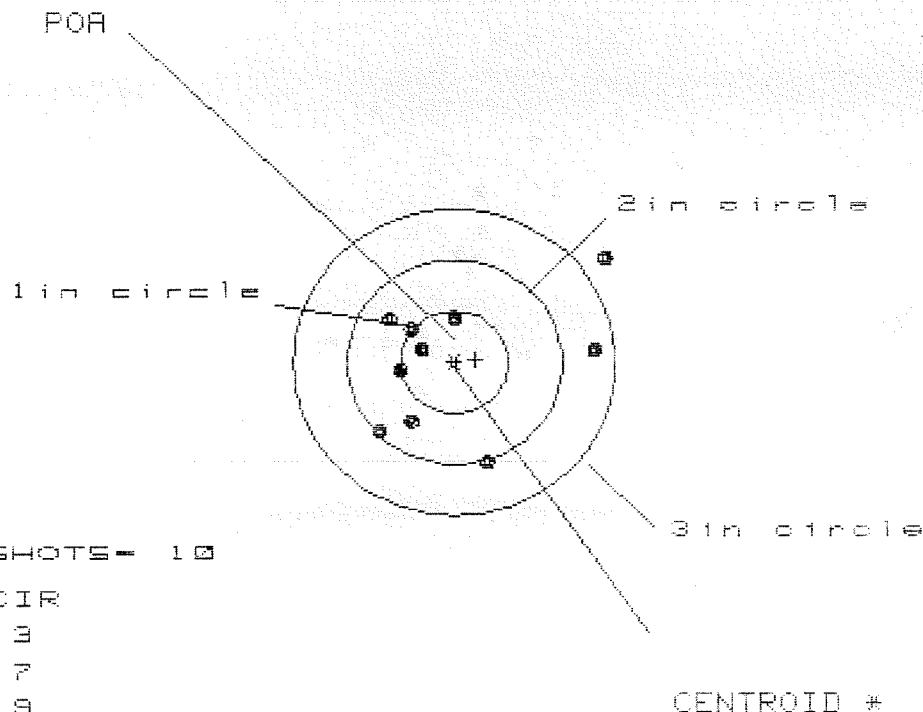
CENTROID *

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.358	.972	.871
MINIMUM X	:	-1.143	-.993	-1.094
MAXIMUM Y	:	1.156	1.069	.802
MINIMUM Y	:	-1.280	-1.367	-1.234
CENTROID X	:	-.039	-.189	-.088
CENTROID Y	:	.050	.137	.004
POA TO CENTROID in.	:	.063	.234	.088
MIN RADIUS	:	.494	.501	.556
MEAN RADIUS	:	.999	.932	.872
MAX RADIUS	:	1.568	1.408	1.309
HORIZONTAL SPREAD	:	2.501	1.965	1.965
VERTICAL SPREAD	:	2.436	2.436	2.036
EXTREME SPREAD	:	3.023	2.481	2.420
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

29 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534547

CENTERFIRE PATTERNS # 3



* OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.024

VS= 2.001

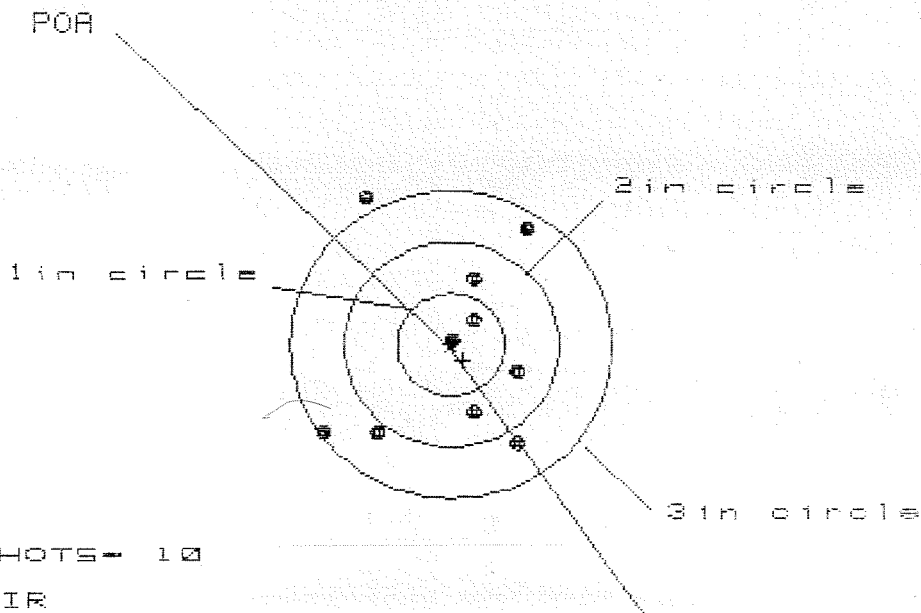
GS= 2.590

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.349	1.442	.594
MINIMUM X	:	-.675	-.525	-.344
MAXIMUM Y	:	.981	.524	.550
MINIMUM Y	:	-1.020	-.911	-.385
CENTROID X	:	-.198	-.348	-.529
CENTROID Y	:	-.026	-.135	-.161
POA TO CENTROID in.	:	.200	.374	.553
MIN RADIUS	:	.357	.301	.159
MEAN RADIUS	:	.814	.676	.530
MAX RADIUS	:	1.669	1.457	1.065
HORIZONTAL SPREAD	:	2.024	1.967	.938
VERTICAL SPREAD	:	2.001	1.435	1.435
EXTREME SPREAD	:	2.590	2.099	1.674
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534547

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 1.823

VS = 2.438

GS = 2.798

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.681	.598	.445
MINIMUM X	:	-1.142	-1.225	-.943
MAXIMUM Y	:	1.460	1.329	1.245
MINIMUM Y	:	-.978	-.816	-.980
CENTROID X	:	-.110	-.027	.126
CENTROID Y	:	.156	-.006	.078
POA TO CENTROID in.	:	.191	.028	.148
MIN RADIUS	:	.072	.230	.245
MEAN RADIUS	:	.909	.823	.726
MAX RADIUS	:	1.641	1.458	1.322
HORIZONTAL SPREAD	:	1.823	1.823	1.388
VERTICAL SPREAD	:	2.438	2.145	2.145
EXTREME SPREAD	:	2.798	2.708	2.462
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

29 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594547

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 2.222

VS = 2.735

GS = 3.072

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.966	.827	.827
MINIMUM X	-1.256	-1.117	-1.117
MAXIMUM Y	1.166	.457	.277
MINIMUM Y	-1.569	-1.440	-1.279
CENTROID X	.142	.281	.281
CENTROID Y	.074	-.055	.125
POA TO CENTROID in.	.160	.287	.308
MIN RADIUS	.332	.390	.223
MEAN RADIUS	.936	.853	.722
MAX RADIUS	1.714	1.440	1.299
HORIZONTAL SPREAD	2.222	1.944	1.944
VERTICAL SPREAD	2.735	1.897	1.556
EXTREME SPREAD	3.072	2.074	1.968
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	