

C6594626

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00130511

Serial: C6594626 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

New 6/19/2007 7:32:52 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: C CO 2/3D SFG (A)

C CO 2/3D SFG (A)

Address 1: E-1650 KUWAIT STREET

E-1650 KUWAIT STREET

Address 2: ATTN: MARIO NARANJO

PO Box:

ATTN: MARIO NARANJO

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: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

6/19/2007

7:46 AM

CAPS

NUM

INS

SCRL



7:46 AM

Serial Number: C6594626

Model: M24 SWS



RE00130511

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594626.___0
FILE DATE AND TIME: 07/19/2007 23:07

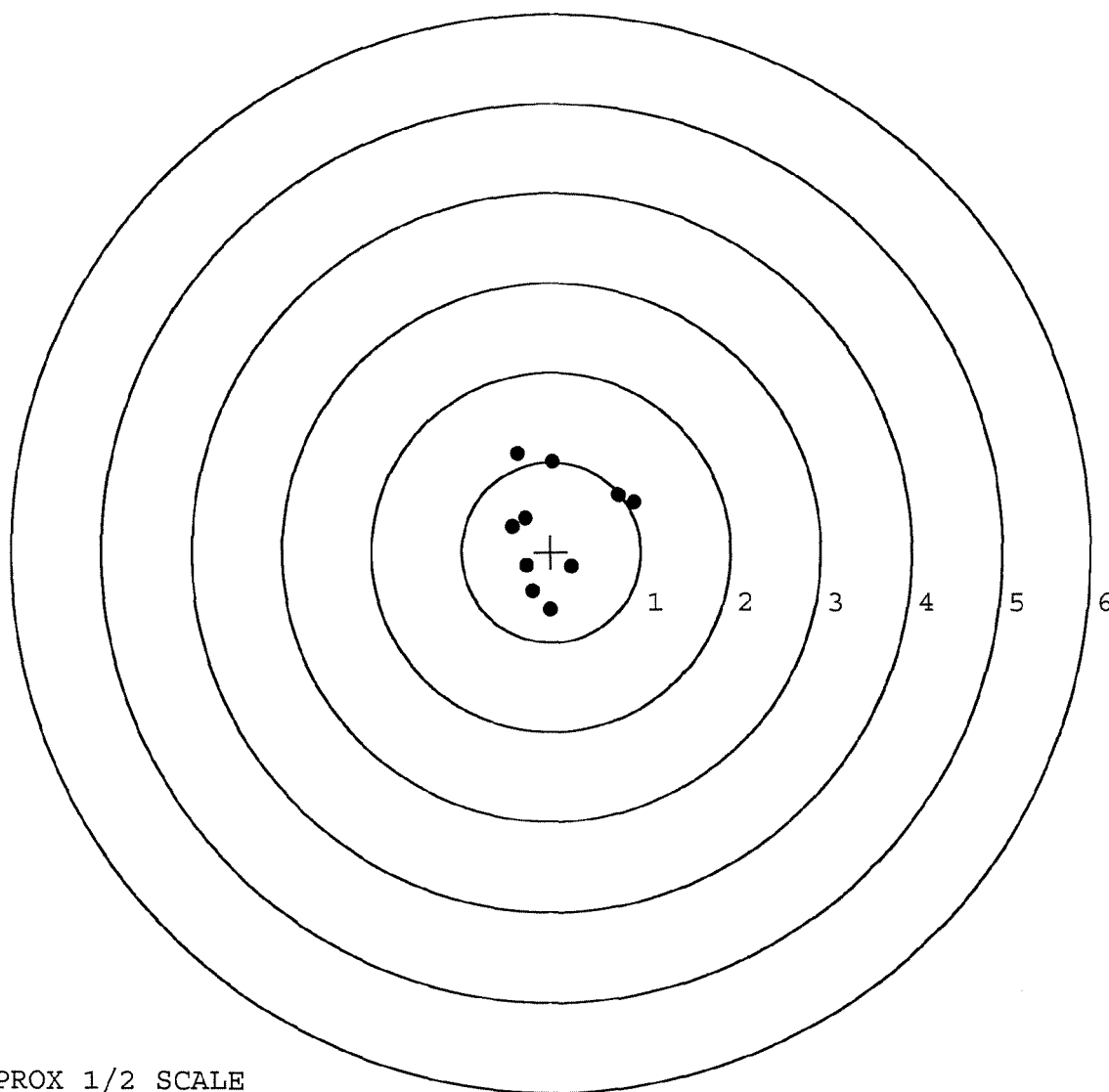
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.021
The Average Y Centroid of the Five Target Set:	-0.006
The Average Point of Impact of the Five Target Set:	0.022
The Average Mean Radius of the Five Target Set:	0.753
The Distance from POA to Centroid Target #1:	0.258
The Distance from Centroid Target #2 to Centroid Target #1:	0.302
The Distance from Centroid Target #3 to Centroid Target #1:	0.277
The Distance from Centroid Target #4 to Centroid Target #1:	0.566
The Distance from Centroid Target #5 to Centroid Target #1:	0.294

SERIAL NUMBER: C6594626. __ 0
TARGET NUMBER: 1
FILE DATE: 07/19/2007
FILE TIME: 23:07

POINT#	X	Y
1:	-0.382	1.097
2:	0.008	1.004
3:	0.749	0.636
4:	0.926	0.560
5:	-0.297	0.378
6:	-0.440	0.285
7:	-0.274	-0.155
8:	-0.210	-0.435
9:	0.231	-0.162
10:	-0.012	-0.641

X CENTROID: 0.030
Y CENTROID: 0.257
POA TO CENTROID: 0.258
HORZ SPREAD: 1.366
VERT SPREAD: 1.738
GROUP SPREAD: 1.524
MIN RADIUS: 0.349
MAX RADIUS: 0.946
MEAN RADIUS: 0.687
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

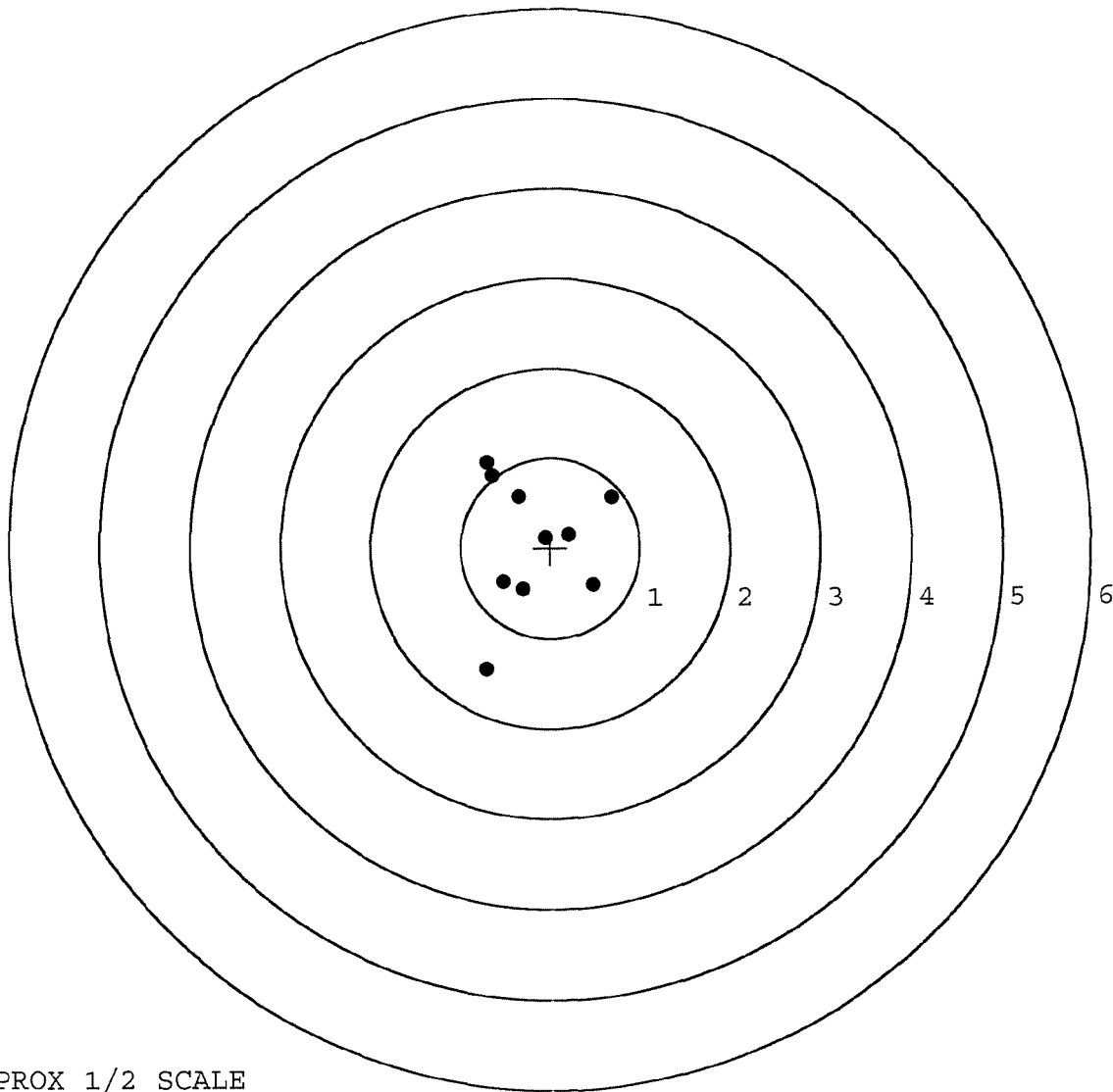


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594626. __0
TARGET NUMBER: 2
FILE DATE: 07/19/2007
FILE TIME: 23:07

POINT#	X	Y
1:	-0.704	0.955
2:	-0.651	0.810
3:	-0.359	0.569
4:	-0.057	0.108
5:	0.213	0.140
6:	0.684	0.563
7:	0.477	-0.410
8:	-0.310	-0.465
9:	-0.528	-0.375
10:	-0.718	-1.340

X CENTROID: -0.195
Y CENTROID: 0.056
POA TO CENTROID: 0.203
HORZ SPREAD: 1.402
VERT SPREAD: 2.295
GROUP SPREAD: 2.364
MIN RADIUS: 0.148
MAX RADIUS: 1.490
MEAN RADIUS: 0.742
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

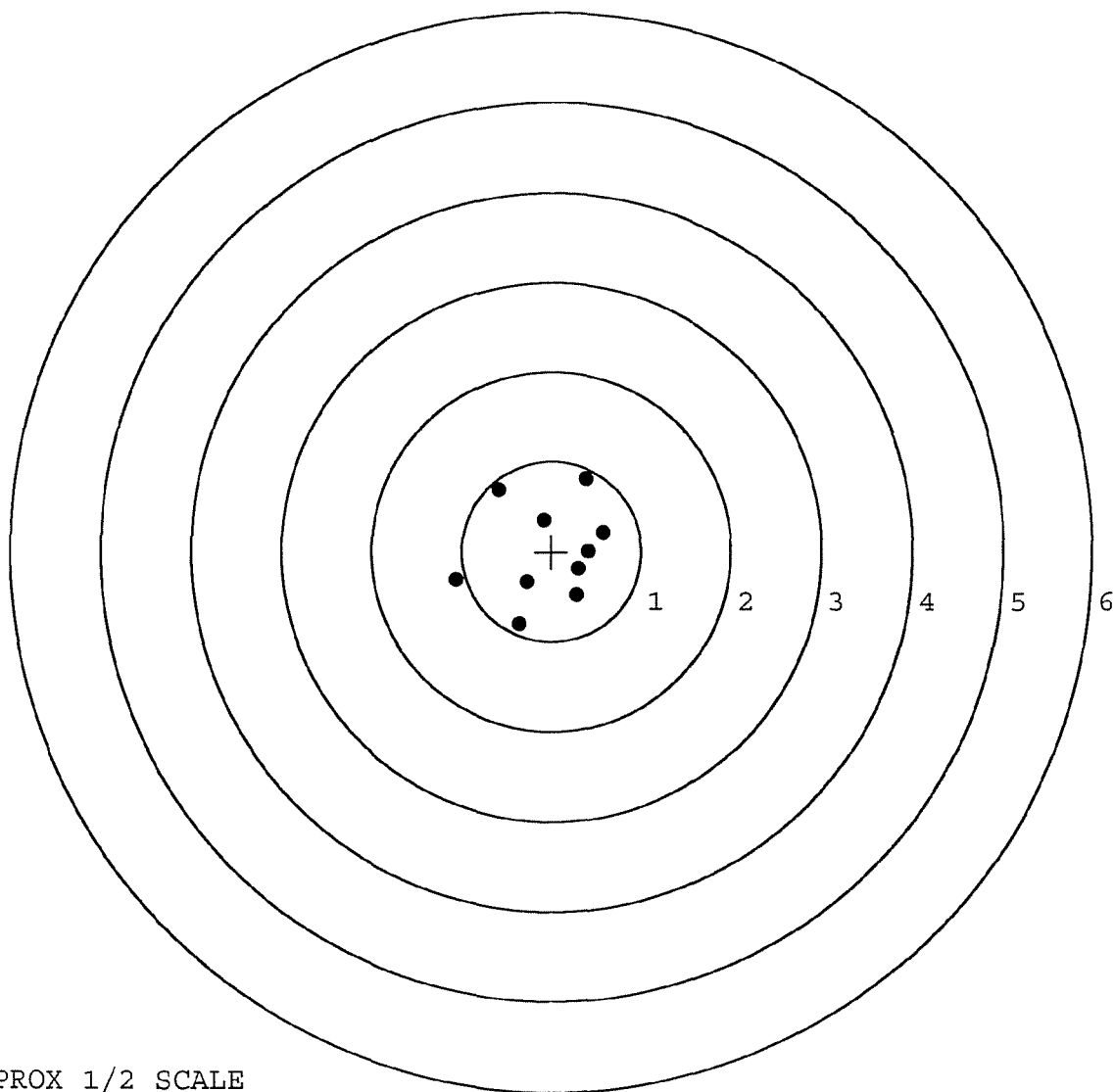


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594626. __0
TARGET NUMBER: 3
FILE DATE: 07/19/2007
FILE TIME: 23:07

POINT#	X	Y
1:	-0.591	0.682
2:	-0.093	0.349
3:	0.383	0.800
4:	0.577	0.214
5:	0.420	0.010
6:	0.306	-0.198
7:	0.282	-0.490
8:	-0.275	-0.341
9:	-0.361	-0.809
10:	-1.065	-0.324

X CENTROID: -0.042
Y CENTROID: -0.011
POA TO CENTROID: 0.043
HORZ SPREAD: 1.642
VERT SPREAD: 1.609
GROUP SPREAD: 1.833
MIN RADIUS: 0.363
MAX RADIUS: 1.070
MEAN RADIUS: 0.659
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594626. __ 0

TARGET NUMBER: 4

FILE DATE: 07/19/2007

FILE TIME: 23:07

POINT#	X	Y
1:	-0.388	0.397
2:	-0.466	0.371
3:	-0.754	0.257
4:	0.333	1.081
5:	1.078	0.089
6:	1.144	-0.166
7:	0.284	-0.242
8:	0.533	-0.849
9:	0.482	-1.617
10:	-0.903	-2.317

X CENTROID: 0.134

Y CENTROID: -0.300

POA TO CENTROID: 0.328

HORZ SPREAD: 2.047

VERT SPREAD: 3.398

GROUP SPREAD: 3.616

MIN RADIUS: 0.160

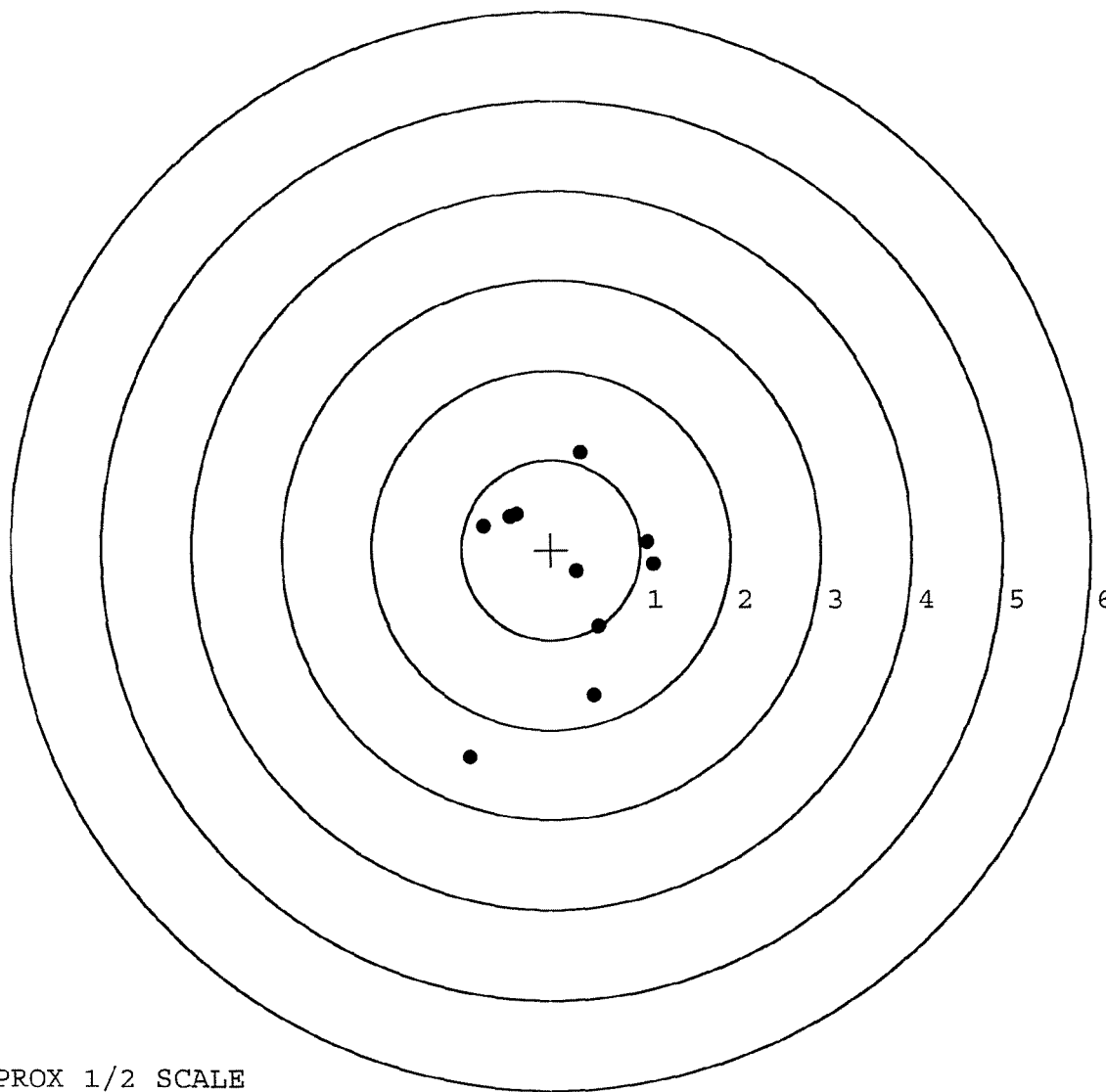
MAX RADIUS: 2.268

MEAN RADIUS: 1.072

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594626. __0

TARGET NUMBER: 5

FILE DATE: 07/19/2007

FILE TIME: 23:07

X CENTROID: -0.032

Y CENTROID: -0.031

POA TO CENTROID: 0.044

HORZ SPREAD: 0.964

VERT SPREAD: 2.003

GROUP SPREAD: 2.069

MIN RADIUS: 0.324

MAX RADIUS: 1.308

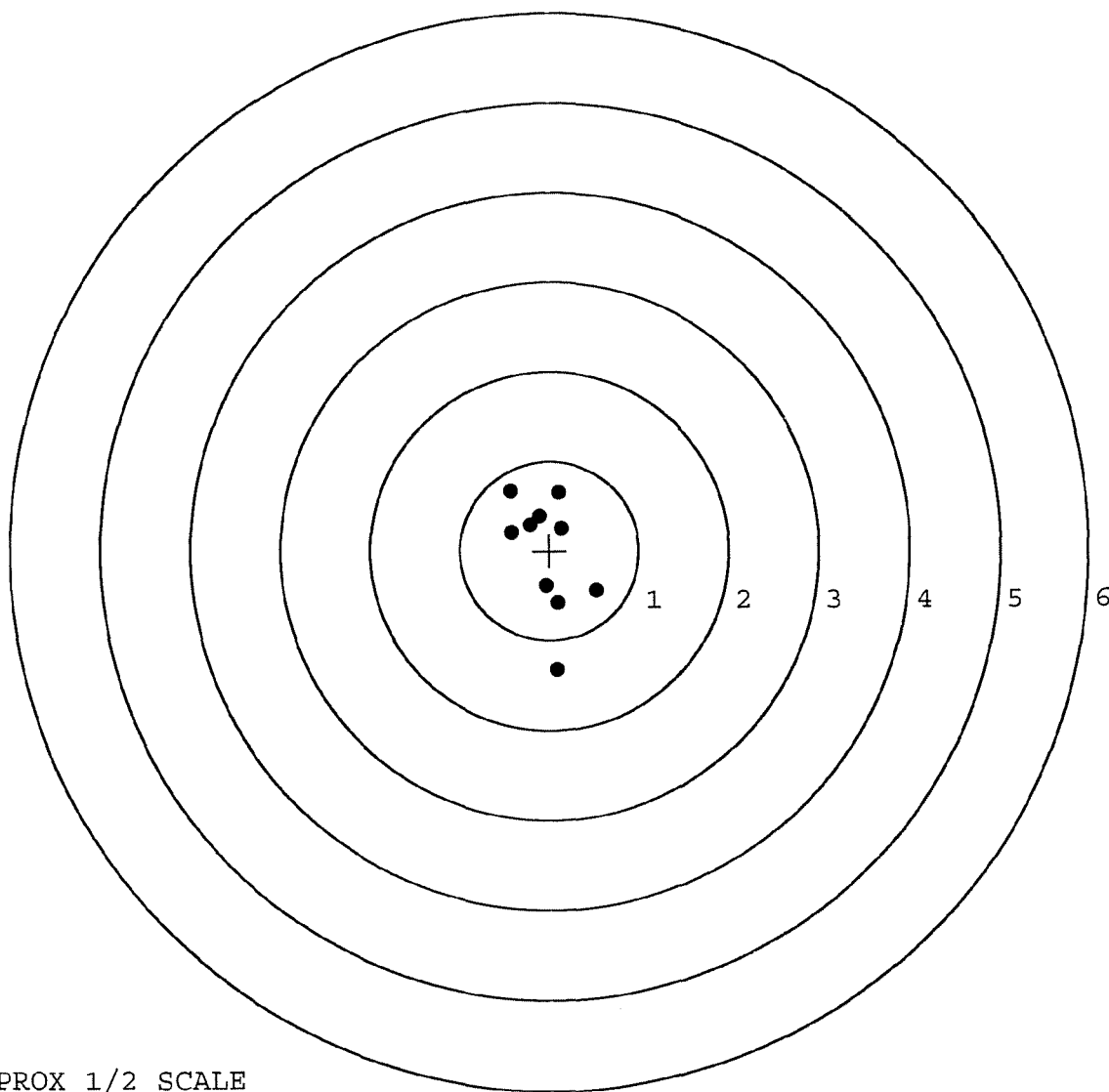
MEAN RADIUS: 0.605

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.438	0.669
2:	-0.430	0.211
3:	-0.223	0.288
4:	0.131	0.249
5:	0.102	0.653
6:	-0.042	-0.398
7:	0.093	-0.593
8:	0.526	-0.450
9:	0.081	-1.334
10:	-0.116	0.392



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		<u>00130511</u>		
SERIAL NUMBER		<u>C6594626</u>		
LOG-IN DATE		<u>6-26-07</u>		
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-26-07	RPD
505	RE-BARREL		6-28-07	RPD
560	ASSEMBLE		7-9-07	RZ
600	PROOF		7-10-07	TRW
605	CHECK HEADSPACE		7-10-07	TRW
610	DIS-ASSEMBLE GUN		7-11-07	RZ
612	MAGNAFLUX	OPERATOR <u>unms</u>	7/12/07	unms
510	DRILL AND TAP		7-11-07	SD
615	ROLLMARK CALIBER		7-12-07	CW
618	ROTO-BLAST		7-12-07	LB
620	APPLY COATINGS		7/13/07	RPB
625	FINAL ASSEMBLY		7/19/07	RPD
640	FUNCTION TEST AND	<u>PASS</u> FAIL	7/19/07	RPD
650	TARGET	<u>PASS</u> FAIL	7/19/07	RPD
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		7-20-07	RPD
	A) HEADSPACE	PASS FAIL	7-20-07	RPD
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.93 2.94 2.94 3.00 3.00 7-20-07	RPD
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.2 5.2 5.2	RPD
	G) SAFETY OFF FORCE	2 LBS MIN	3.5 4.0 3.5	RPD
	I) FIRING PIN INDENT	.020	.021 .021 .021	RPD
690	PACK			

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: **RE00034894** Serial: C6594626 Model 700 Center Fire Caliber 7.62 NATO M 24 (SW/S) Repairman: Status: Closed 11/1/01 8:35:23 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

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Poor

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1

Repair Search Refresh Close

Start | Inbox - M... | Calendar | Microsoft... | NJBGS C... | Arms S... | 9:49 AM

Serial Number: **C6594626**

Model: **700**



RE00034894

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594626.___0
FILE DATE AND TIME: 11/26/2001 02:51

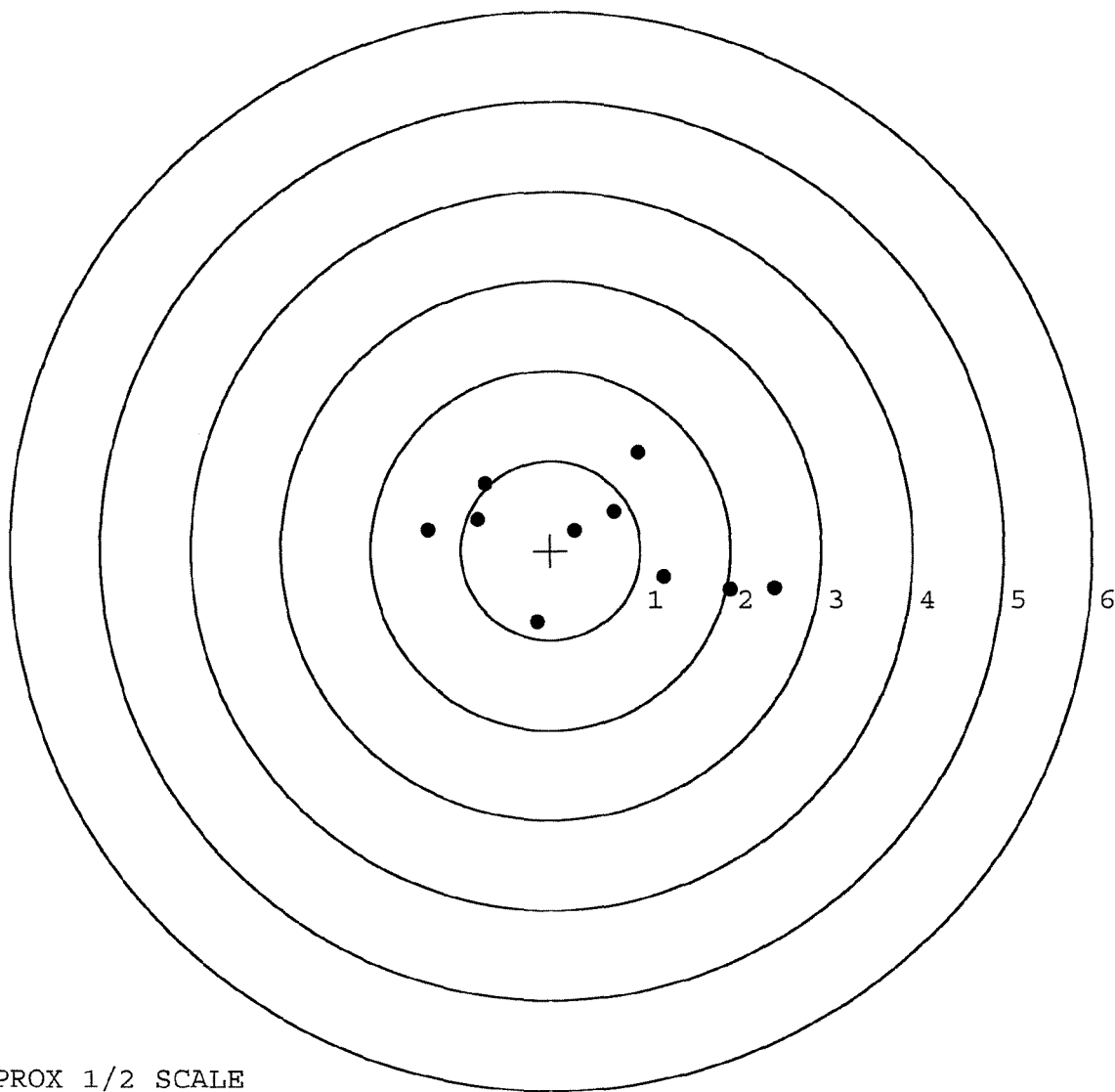
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.103
The Average Y Centroid of the Five Target Set:	0.047
The Average Point of Impact of the Five Target Set:	0.113
The Average Mean Radius of the Five Target Set:	0.978
The Distance from POA to Centroid Target #1:	0.474
The Distance from Centroid Target #2 to Centroid Target #1:	0.499
The Distance from Centroid Target #3 to Centroid Target #1:	0.520
The Distance from Centroid Target #4 to Centroid Target #1:	0.322
The Distance from Centroid Target #5 to Centroid Target #1:	0.600

SERIAL NUMBER: C6594626. __0
 TARGET NUMBER: 1
 FILE DATE: 11/26/2001
 FILE TIME: 02:51

POINT#	X	Y
1:	0.973	1.092
2:	0.706	0.438
3:	0.263	0.225
4:	-0.729	0.745
5:	-0.818	0.341
6:	-1.370	0.222
7:	-0.147	-0.804
8:	1.260	-0.304
9:	1.996	-0.444
10:	2.481	-0.424

X CENTROID: 0.462
 Y CENTROID: 0.109
 POA TO CENTROID: 0.474
 HORZ SPREAD: 3.851
 VERT SPREAD: 1.896
 GROUP SPREAD: 3.905
 MIN RADIUS: 0.230
 MAX RADIUS: 2.089
 MEAN RADIUS: 1.195
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 3
 # in 3 IN DIAMETER: 7

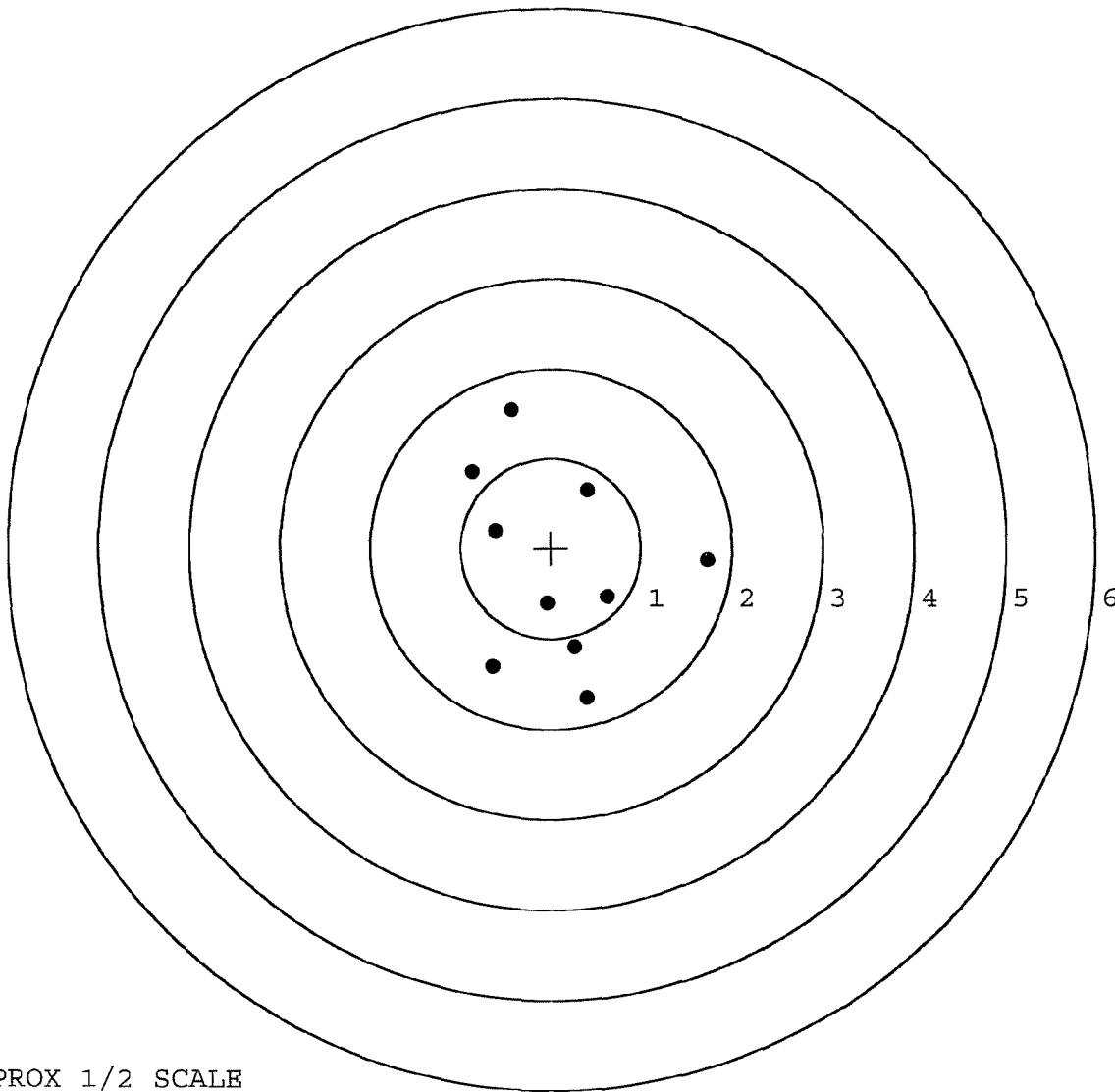


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594626.___0
TARGET NUMBER: 2
FILE DATE: 11/26/2001
FILE TIME: 02:51

X CENTROID: 0.081
Y CENTROID: -0.213
POA TO CENTROID: 0.228
HORZ SPREAD: 2.607
VERT SPREAD: 3.188
GROUP SPREAD: 3.299
MIN RADIUS: 0.425
MAX RADIUS: 1.824
MEAN RADIUS: 1.138
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.443	1.534
2:	-0.869	0.850
3:	-0.616	0.188
4:	0.406	0.641
5:	0.623	-0.535
6:	-0.049	-0.618
7:	0.266	-1.095
8:	0.405	-1.654
9:	-0.652	-1.308
10:	1.738	-0.136



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594626. __0

TARGET NUMBER: 3

FILE DATE: 11/26/2001

FILE TIME: 02:51

POINT#	X	Y
1:	0.912	1.676
2:	0.453	0.709
3:	0.877	0.242
4:	0.271	0.216
5:	-0.564	0.419
6:	-0.468	0.120
7:	-1.327	-0.272
8:	-0.265	-0.521
9:	-0.528	-1.014
10:	0.197	-1.692

X CENTROID: -0.044

Y CENTROID: -0.012

POA TO CENTROID: 0.046

HORZ SPREAD: 2.239

VERT SPREAD: 3.368

GROUP SPREAD: 3.443

MIN RADIUS: 0.389

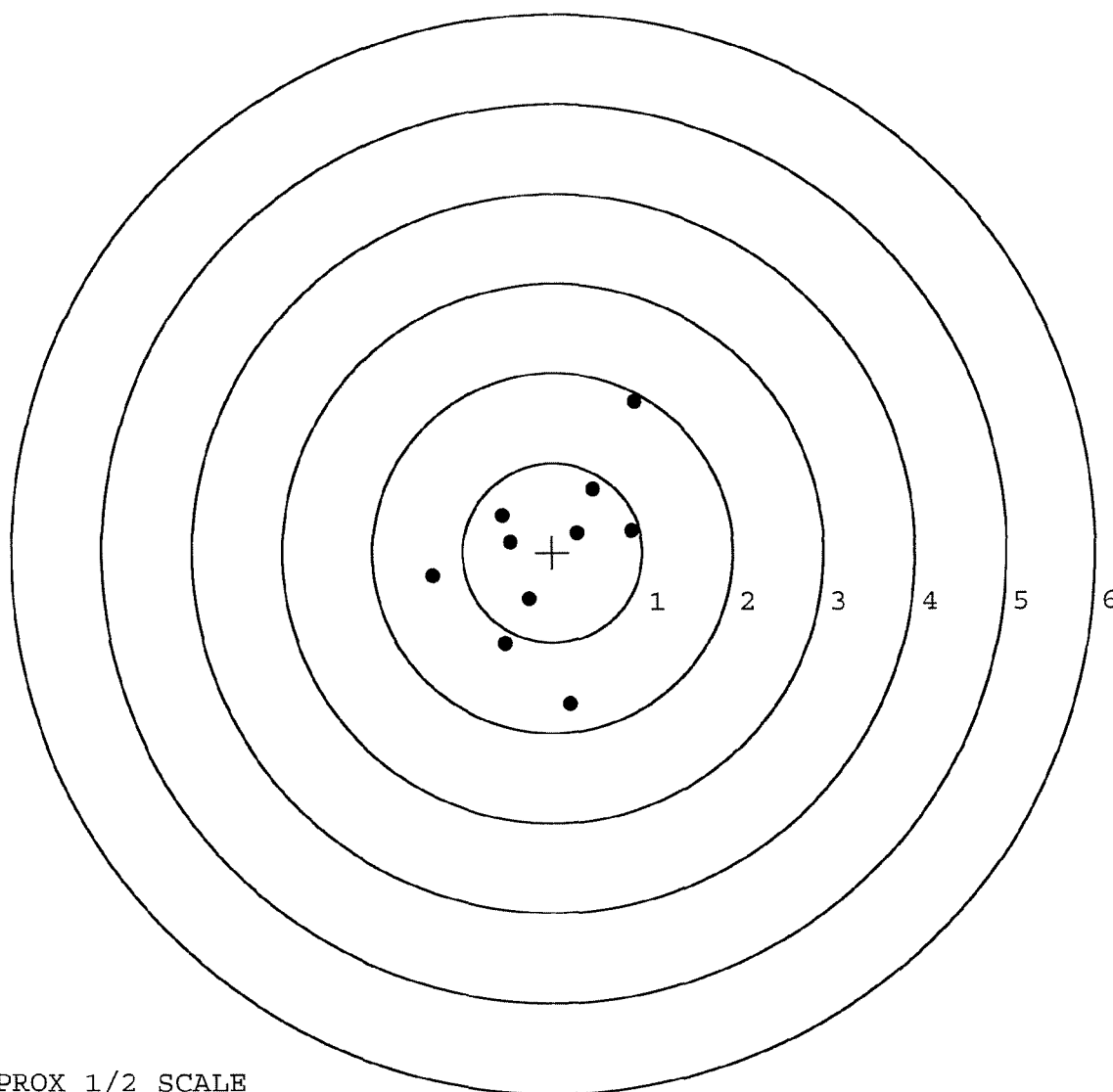
MAX RADIUS: 1.940

MEAN RADIUS: 0.995

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

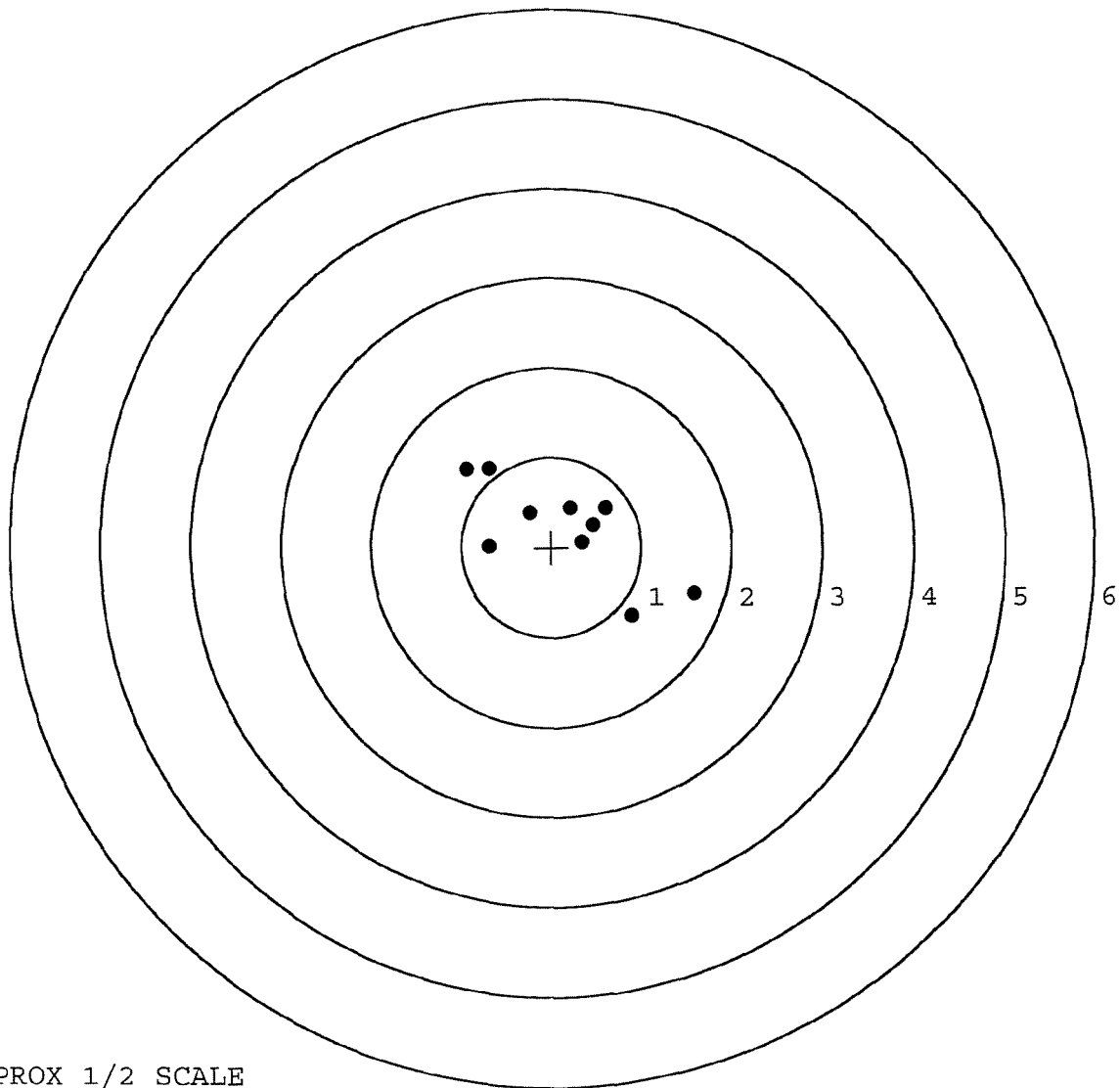


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594626. __ 0
TARGET NUMBER: 4
FILE DATE: 11/26/2001
FILE TIME: 02:51

X CENTROID: 0.154
Y CENTROID: 0.203
POA TO CENTROID: 0.255
HORZ SPREAD: 2.530
VERT SPREAD: 1.644
GROUP SPREAD: 2.880
MIN RADIUS: 0.239
MAX RADIUS: 1.601
MEAN RADIUS: 0.778
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.690	0.879
2:	-0.946	0.862
3:	-0.687	0.008
4:	-0.243	0.386
5:	0.212	0.436
6:	0.601	0.438
7:	0.464	0.247
8:	0.343	0.058
9:	0.897	-0.765
10:	1.584	-0.515



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594626. __0

TARGET NUMBER: 5

FILE DATE: 11/26/2001

FILE TIME: 02:51

X CENTROID: -0.138

Y CENTROID: 0.150

POA TO CENTROID: 0.203

HORZ SPREAD: 2.494

VERT SPREAD: 2.515

GROUP SPREAD: 2.551

MIN RADIUS: 0.194

MAX RADIUS: 1.413

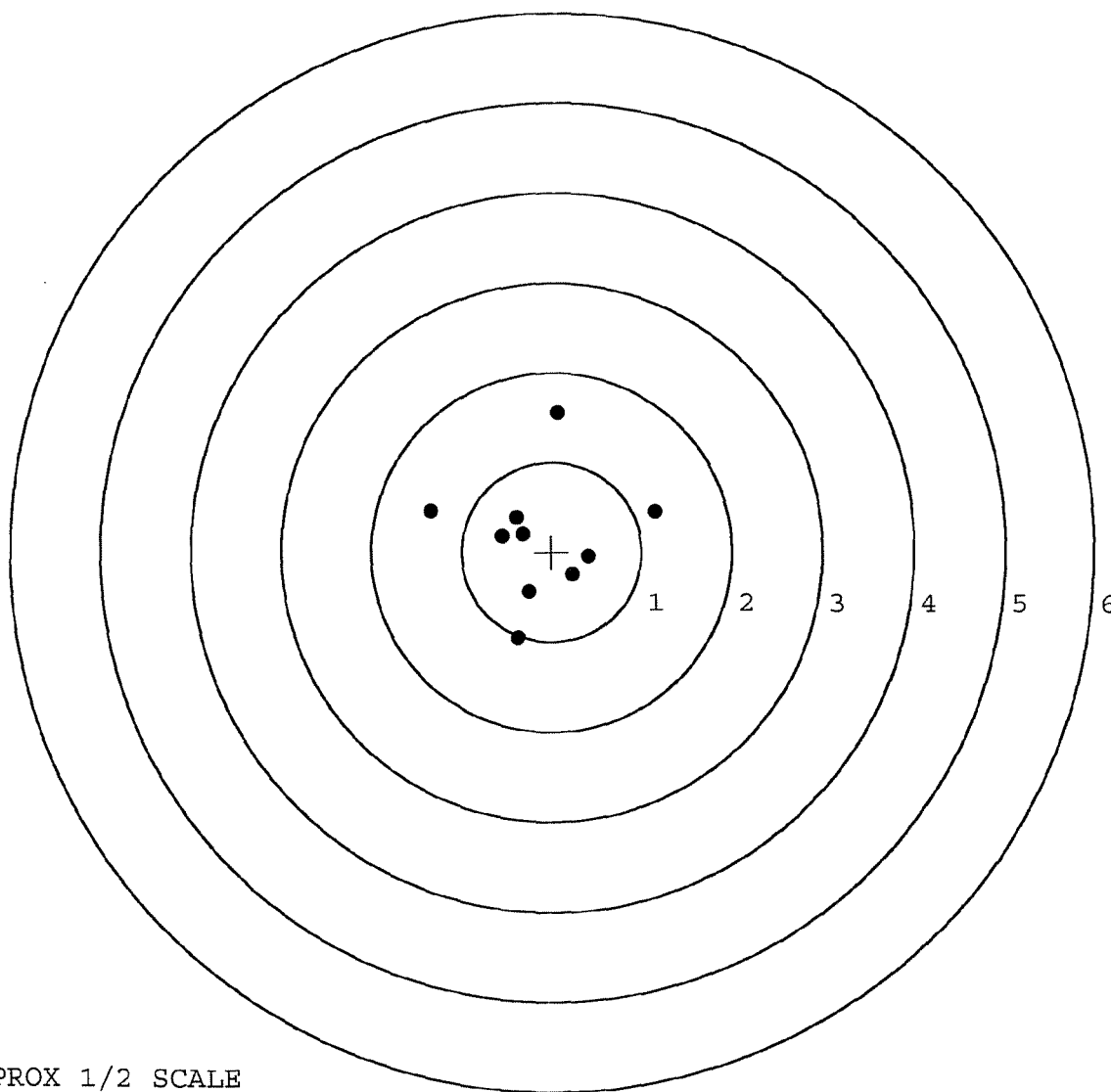
MEAN RADIUS: 0.782

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.059	1.549
2:	-1.341	0.448
3:	-0.400	0.383
4:	-0.325	0.199
5:	-0.549	0.178
6:	-0.250	-0.453
7:	-0.367	-0.966
8:	0.236	-0.249
9:	0.408	-0.050
10:	1.153	0.457



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	34894		
SERIAL NUMBER	C659462v		
LOG-IN DATE	11-1-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-5-01	OK
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		
615	ROLLMARK CALIBER OPERATOR ARS	11/12	(A)
618	ROTO-BLAST	11/14	U
620	APPLY COATINGS	11-15	TH
625 A	FINAL ASSEMBLY	11-26-01	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-26-01	EK
655	FINAL INSPECT	11-28-01	RL
660	PACK	11-28-01	RA
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

In: C659 4626

DATE REC'D: 11/1/01

DATE RET'D: 11/28/01

Inspector: KJL

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

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:

Misc.

☒ DD-250☒ BAR CODE☒ PACKAGING



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

MODEL 700™ H24

SERIAL NO.
C6594626

ORDER NO.
5716

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

20



5716 C6594626

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6594626**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/24/90	K.S.
600	Proof		12/24/90	K.S.
607	Check Headspace		12/24/90	K.S.
610	Dis-assemble Gun		12/24/90	K.S.
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		1-7-91	KR
615	Rollmark Caliber		1-7-91	LS
617	Drill and Tap Sight Holes	1	10 91	FB
618	Polish Barrel	1	10 91	WB
620	Apply Coatings (Barrel Action)		1-26-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/6/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/4/91	KA
	C) Inspect Ejector Hole for Chamfer		2/6/91	KA
	D) Oil Firing Pin Ass'y		2/6/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/7/91	KA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			2/7/91	WB
	G) Safety Off Force	3 1/4	3 1/4	3 1/4			2/7/91	WB
	H) Trigger Pull Test & Retainability						2/7/91	JY
	I) Firing Pin Indent	.0202	.0202	.0202			2/7/91	WB
	J) Assemble Stock						2/7/91	KL
	K) Assemble Swivel Studs						2-21-91	AE
	L) Attach Front and Rear Sight Assemblies						2/7/91	KL
	M) Iron Sight Alignment						2/7/91	KL
	N) Detach Front & Rear Sights & place in numbered container						2/7/91	KL
	O) Attach Scope to Rifle						2/7/91	KL
	P) Detach & Attach Scope 20 Times						2/7/91	KL
640	Gallery Target & Test						2-8-91	DH
	A) Time						2-8-91	DH
	B) Malfunctions						2-8-91	DH
	C) Pierced Primers						2-8-91	DH
	D) Optical Clarity of Scope						2-8-91	DH
645	Inspect for Live Ammo						2-8-91	DH
655	Final Inspection							
	A) Headspace						2-21-91	AE
	B) Trigger Pull	2.71	2.72	2.69	2.69	2.69	2/18/91	WB
	C) Function						2-21-91	AE
660	Pack						3-15-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594626

DATE 2-7-91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.29	2.50	2.71	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.51	2.34	2.72	
PULL #3	2.47	2.42	2.51	2.69	
PULL #4	2.50	2.51	2.52	2.69	
PULL #5	2.43	2.50	2.50	2.69	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.28		
PULL #2	3.29	3.29		
PULL #3	3.27	3.28		
PULL #4	3.33	3.27		
PULL #5	3.28	3.25		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.40		4.17
PULL #2	4.39	4.35		4.43
PULL #3	4.40	4.35		4.44
PULL #4	4.40	4.24		4.39
PULL #5	4.35	4.33		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594626
8 Feb 1991

CENTROIDAL DISTANCES

0	TO	1	.197203
1	TO	2	.340391
1	TO	3	.334186
1	TO	4	.10347
1	TO	5	.40502

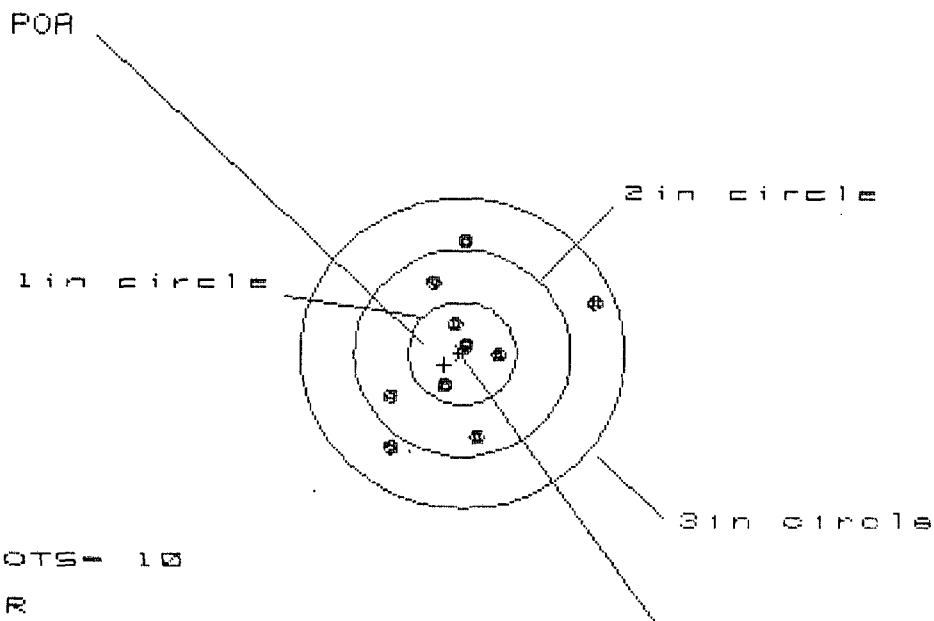
$\frac{1}{5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .206
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.084
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .222468
THE AMR FOR THIS RIFLE IS: .7732

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534626

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 1.947

VS= 2.006

GS= 2.376

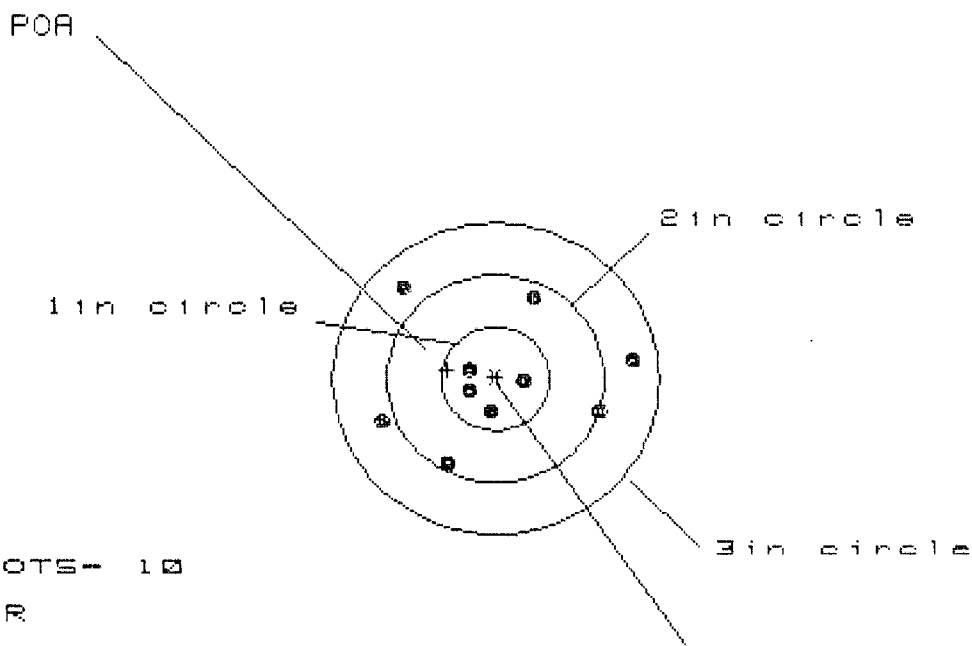
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.241	.464	.396
MINIMUM X	-.706	-.568	-.636
MAXIMUM Y	1.087	1.140	1.032
MINIMUM Y	-.919	-.866	-.903
CENTROID X	.165	.027	.095
CENTROID Y	.108	.055	.163
POA TO CENTROID in.	.197	.061	.188
MIN RADIUS	.048	.181	.085
MEAN RADIUS	.690	.626	.556
MAX RADIUS	1.332	1.150	1.035
HORIZONTAL SPREAD	1.947	1.032	1.032
VERTICAL SPREAD	2.006	2.006	1.935
EXTREME SPREAD	2.376	2.121	1.941
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594628

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 10

HS= 2.344

VS= 1.701

GS= 2.421

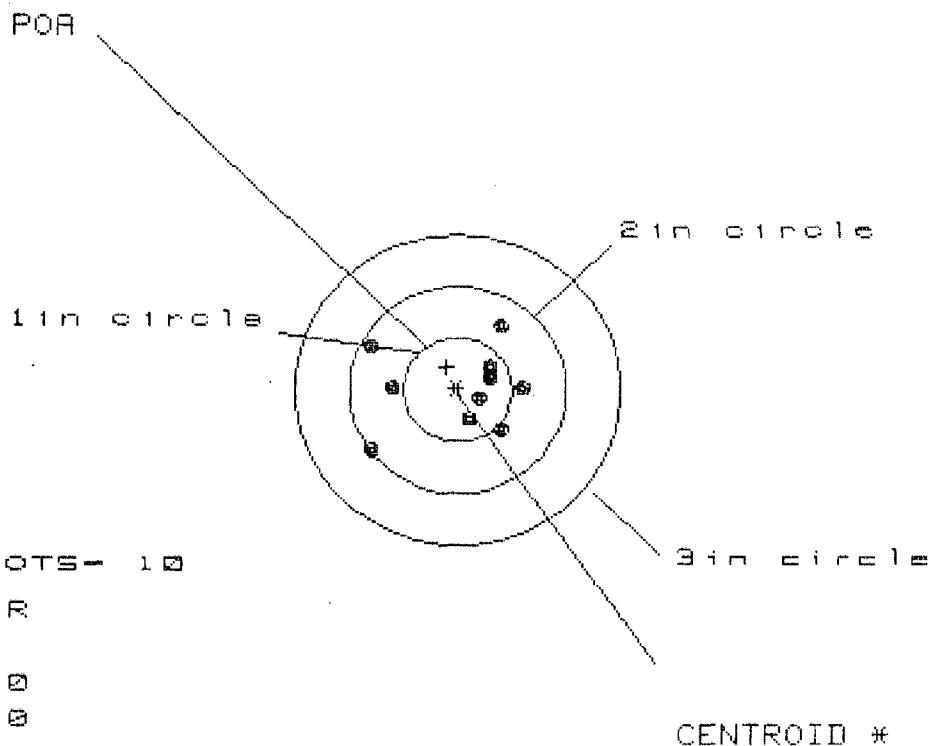
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.291	1.109	1.019
MINIMUM X	:	-1.053	-.910	-1.000
MAXIMUM Y	:	.869	.893	.919
MINIMUM Y	:	-.832	-.800	-.697
CENTROID X	:	.444	.301	.391
CENTROID Y	:	-.087	-.111	-.222
POA TO CENTROID in.	:	.453	.321	.449
MIN RADIUS	:	.226	.123	.167
MEAN RADIUS	:	.752	.669	.605
MAX RADIUS	:	1.308	1.149	1.037
HORIZONTAL SPREAD	:	2.344	2.019	2.019
VERTICAL SPREAD	:	1.701	1.701	1.616
EXTREME SPREAD	:	2.421	2.180	2.020
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06534626

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 10

3 in = 10

HS= 1.469

VS= 1.233

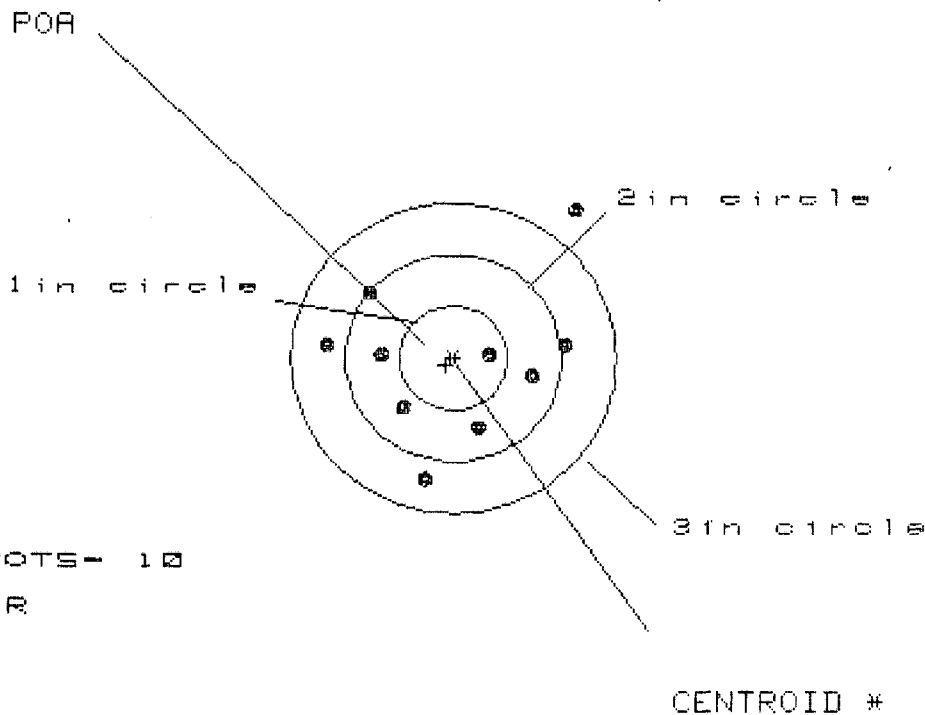
GS= 1.673

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.633	.548	.433
MINIMUM X	-.836	-.921	-.804
MAXIMUM Y	.606	.536	.574
MINIMUM Y	-.627	-.497	-.459
CENTROID X	.101	.186	.301
CENTROID Y	-.220	-.150	-.188
POA TO CENTROID in.	.242	.239	.355
MIN RADIUS	.204	.177	.091
MEAN RADIUS	.554	.480	.379
MAX RADIUS	.991	.969	.804
HORIZONTAL SPREAD	1.469	1.469	1.237
VERTICAL SPREAD	1.233	1.033	1.033
EXTREME SPREAD	1.673	1.503	1.237
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	10		
NUMBER IN THREE INCH CIRCLE =	10		

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534626

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.262

VS= 2.637

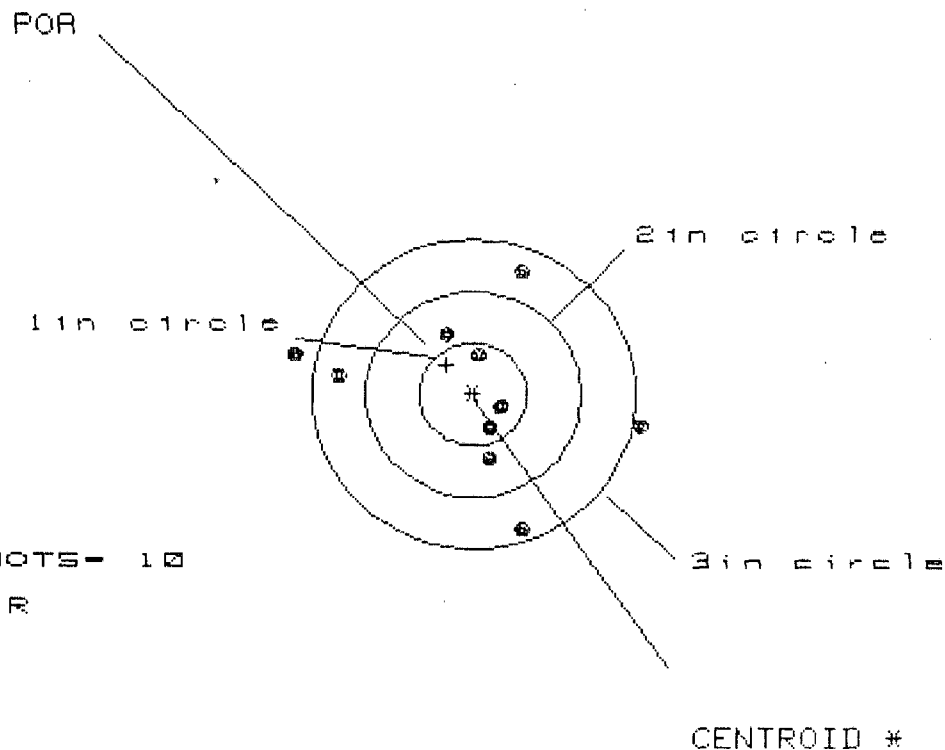
GS= 2.970

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.036	1.158	1.138
MINIMUM X	-1.176	-1.055	-1.075
MAXIMUM Y	1.480	.755	.631
MINIMUM Y	-1.157	-.993	-.667
CENTROID X	.070	-.051	-.031
CENTROID Y	.067	-.097	.027
POA TO CENTROID in.	.097	.110	.041
MIN RADIUS	.342	.407	.450
MEAN RADIUS	.930	.805	.779
MAX RADIUS	1.836	1.194	1.150
HORIZONTAL SPREAD	2.262	2.213	2.213
VERTICAL SPREAD	2.637	1.748	1.298
EXTREME SPREAD	2.970	2.213	2.213
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534626

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 3.221

VS= 2.419

GS= 3.290

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.577	1.395	.430
MINIMUM X	:	-1.644	-1.387	-1.213
MAXIMUM Y	:	1.138	1.178	1.145
MINIMUM Y	:	-1.281	-1.241	-1.274
CENTROID X	:	.250	.432	.258
CENTROID Y	:	-.288	-.328	-.295
POR TO CENTROID in.	:	.381	.543	.392
MIN RADIUS	:	.276	.125	.266
MEAN RADIUS	:	.940	.832	.762
MAX RADIUS	:	1.683	1.420	1.334
HORIZONTAL SPREAD	:	3.221	2.782	1.643
VERTICAL SPREAD	:	2.419	2.419	2.419
EXTREME SPREAD	:	3.290	2.831	2.419
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594626
5 Mar 1991

*Shooting After
Rezero of Scope
Office*

CENTROIDAL DISTANCES

0 TO 1	.170426
1 TO 2	.656726
1 TO 3	.464332
1 TO 4	.266113
1 TO 5	.425192

$\frac{3}{5} \frac{1}{4}^2$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1356
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0776
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .156234
THE AMR FOR THIS RIFLE IS: .9338

5 Mar 1991

FILE: \PATTERNING\CENTERFIRE_PATT\05534626.1

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 2.496

VS = 2.615

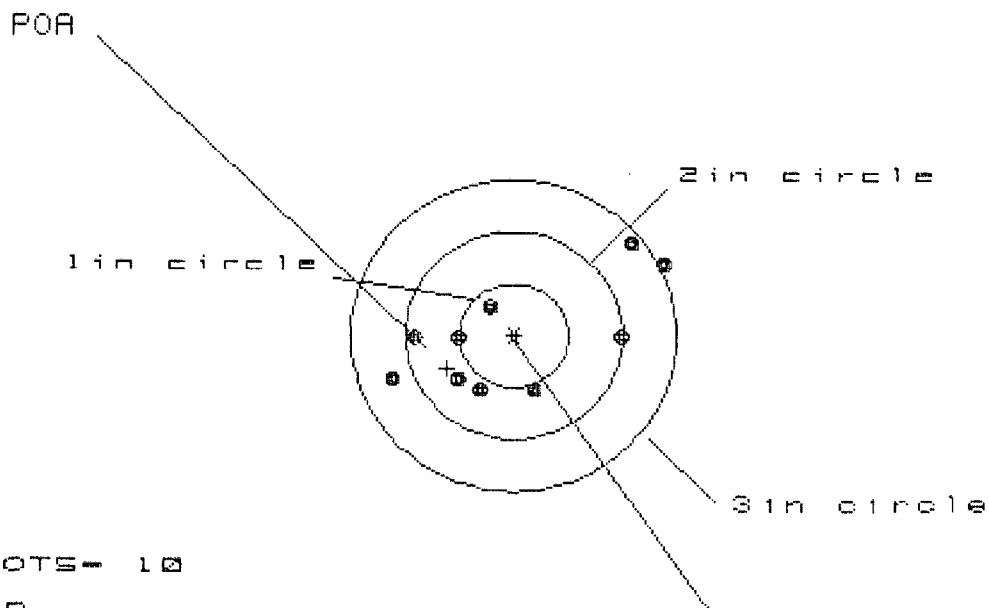
GS = 2.736

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.553	.654	.558
MINIMUM X	-.943	-.771	-.538
MAXIMUM Y	1.185	1.176	1.031
MINIMUM Y	-1.430	-1.439	-1.584
CENTROID X	.122	-.050	.046
CENTROID Y	-.119	-.110	.035
POA TO CENTROID in.	.170	.121	.058
MIN RADIUS	.291	.199	.309
MEAN RADIUS	.952	.863	.788
MAX RADIUS	1.555	1.472	1.599
HORIZONTAL SPREAD	2.496	1.425	1.096
VERTICAL SPREAD	2.615	2.615	2.615
EXTREME SPREAD	2.736	2.736	2.638
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

5 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594626.1

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 9

HS = 2.537

VS = 1.419

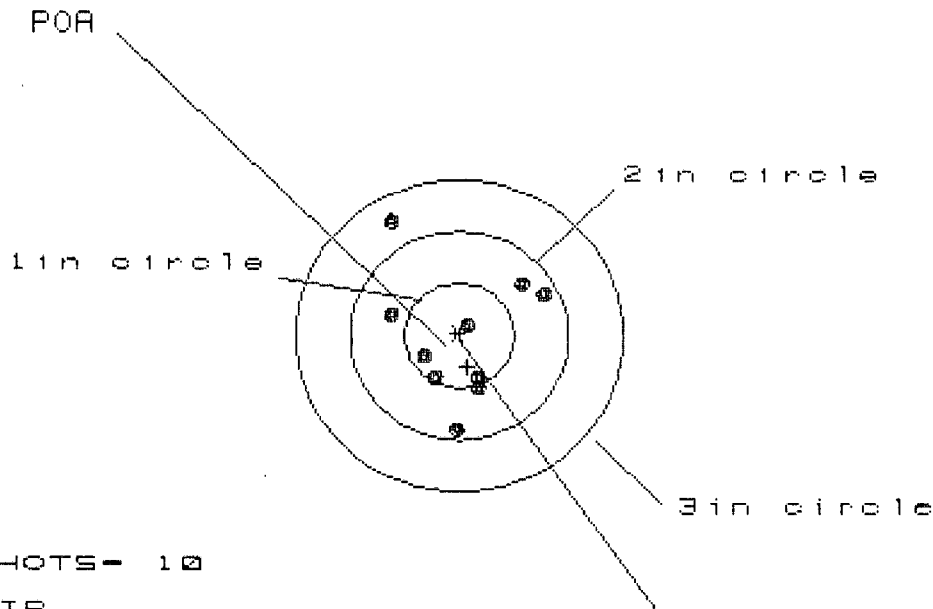
GS = 2.789

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.381	1.244	1.301
MINIMUM X	:	-1.156	-1.003	-.847
MAXIMUM Y	:	.868	.946	.477
MINIMUM Y	:	-.550	-.473	-.355
CENTROID X	:	.614	.461	.305
CENTROID Y	:	.316	.238	.120
POA TO CENTROID in.	:	.691	.519	.328
MIN RADIUS	:	.381	.374	.266
MEAN RADIUS	:	.878	.756	.604
MAX RADIUS	:	1.547	1.563	1.313
HORIZONTAL SPREAD	:	2.537	2.247	2.148
VERTICAL SPREAD	:	1.419	1.419	.832
EXTREME SPREAD	:	2.789	2.610	2.194
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594826.1

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.463

VS= 1.955

GS= 2.053

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.803	.730	.621
MINIMUM X	-.660	-.733	-.642
MAXIMUM Y	1.066	.660	.730
MINIMUM Y	-.889	-.770	-.700
CENTROID X	-.076	-.003	-.094
CENTROID Y	.301	.182	.112
POA TO CENTROID in.	.310	.182	.147
MIN RADIUS	.074	.179	.255
MEAN RADIUS	.639	.553	.487
MAX RADIUS	1.251	.919	.958
HORIZONTAL SPREAD	1.463	1.463	1.263
VERTICAL SPREAD	1.955	1.430	1.430
EXTREME SPREAD	2.053	1.565	1.562
NUMBER IN ONE INCH CIRCLE	=	4	
NUMBER IN TWO INCH CIRCLE	=	9	
NUMBER IN THREE INCH CIRCLE	=	10	

5 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594626.1

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 4.019

VS= 2.061

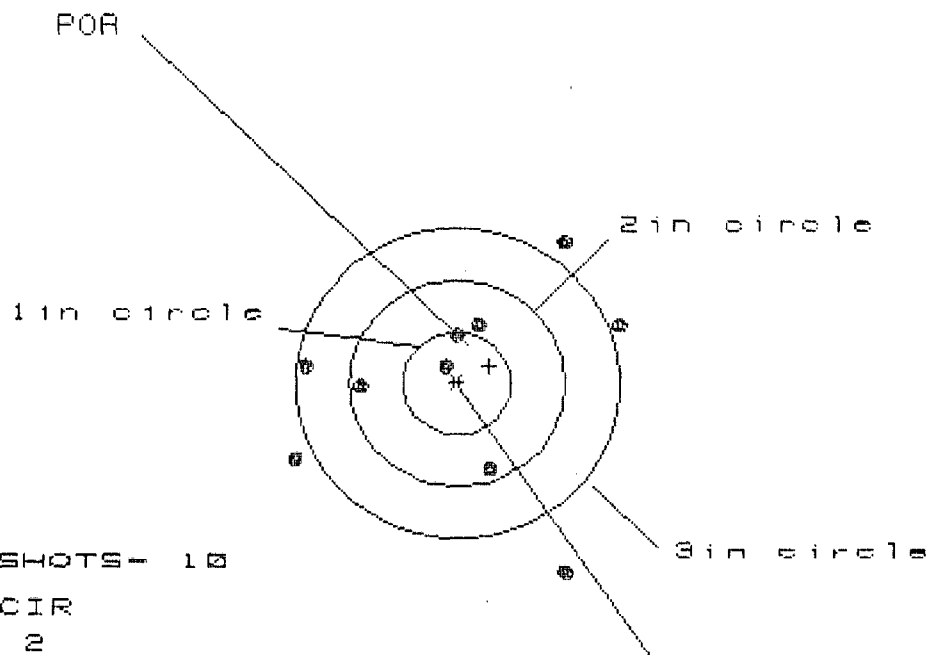
GS= 4.038

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.904	.594	.495
MINIMUM X	:	-1.115	-.793	-.870
MAXIMUM Y	:	1.155	1.173	1.244
MINIMUM Y	:	-.906	-.888	-.817
CENTROID X	:	.318	-.004	.095
CENTROID Y	:	.061	.043	-.028
POA TO CENTROID in.	:	.324	.044	.099
MIN RADIUS	:	.269	.542	.420
MEAN RADIUS	:	1.039	.829	.781
MAX RADIUS	:	2.908	1.180	1.265
HORIZONTAL SPREAD	:	4.019	1.387	1.365
VERTICAL SPREAD	:	2.061	2.061	2.061
EXTREME SPREAD	:	4.038	2.093	2.093
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594626.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 6

IS= 0.050

VS= 3.190

GS= 3.340

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.531	1.640	1.463
MINIMUM X	-1.528	-1.419	-1.496
MAXIMUM Y	1.403	1.205	1.085
MINIMUM Y	-1.787	-1.068	-1.188
CENTROID X	-.300	-.409	-.232
CENTROID Y	-.171	.027	.147
FOR TO CENTROID in.	.345	.410	.275
MIN RADIUS	.240	.026	.164
MEAN RADIUS	1.161	1.003	.904
MAX RADIUS	2.040	1.714	1.502
HORIZONTAL SPREAD	3.059	3.059	2.959
VERTICAL SPREAD	3.190	2.273	2.273
EXTREME SPREAD	3.340	3.340	2.985
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	6		