

C6594658

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



M2400021285

Repair Inquiry

Repair Number: RE00130507

Serial: C6594658 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

New 6/19/2007 7:23:34 AM

Verify Repair

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
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

6/19/2007

7:46 AM

CAPS

NUM

INS

SCRL



Inbox - Micros...

Calendar - Mic...

Calendar - Mic...

Arms Services ...

7:46 AM

Serial Number: C6594658

Model: M24 SWS



RE00130507

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594658.___0
FILE DATE AND TIME: 07/17/2007 22:18

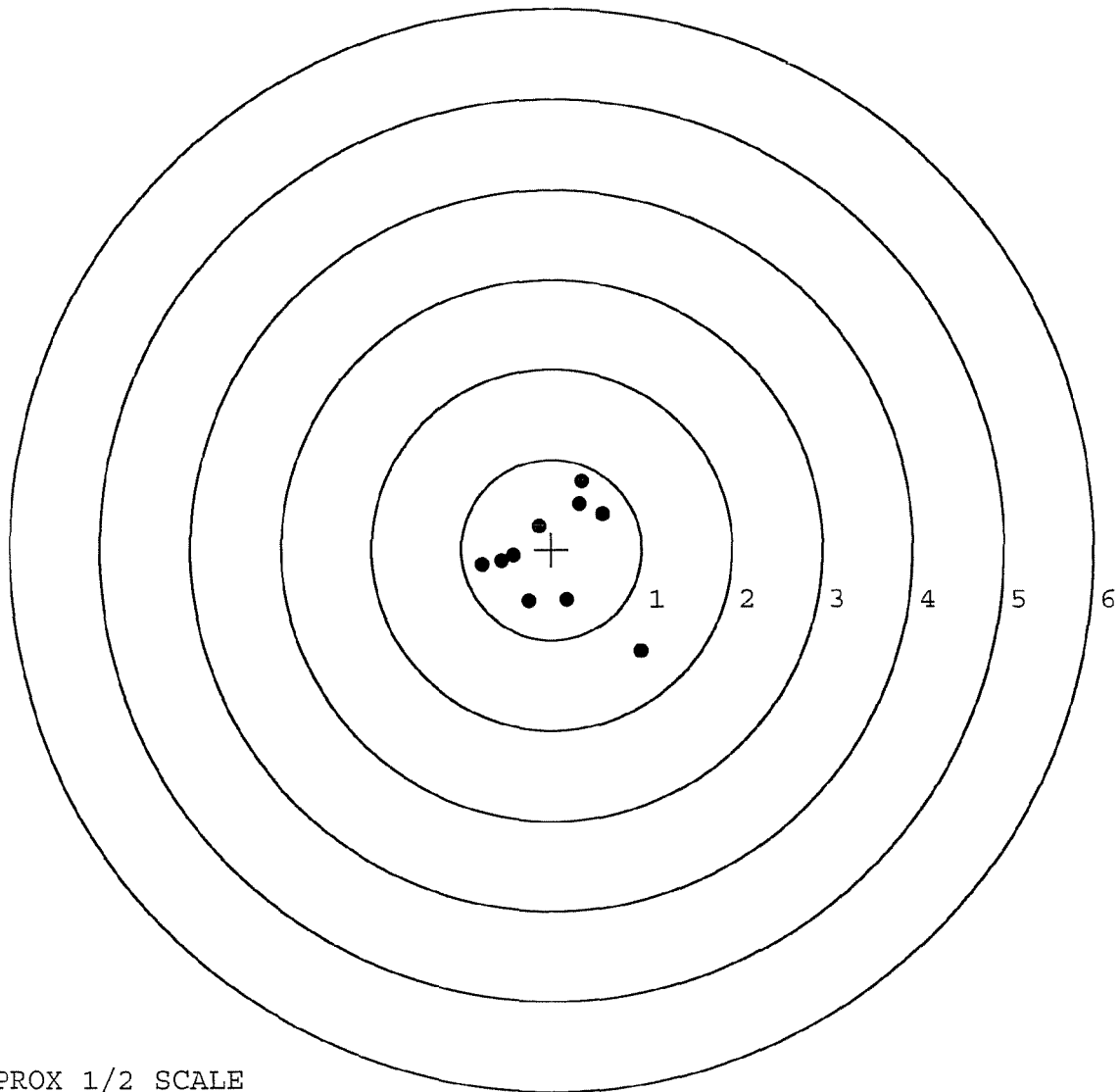
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.071
The Average Y Centroid of the Five Target Set:	-0.045
The Average Point of Impact of the Five Target Set:	0.085
The Average Mean Radius of the Five Target Set:	0.699
The Distance from POA to Centroid Target #1:	0.078
The Distance from Centroid Target #2 to Centroid Target #1:	0.322
The Distance from Centroid Target #3 to Centroid Target #1:	0.172
The Distance from Centroid Target #4 to Centroid Target #1:	0.164
The Distance from Centroid Target #5 to Centroid Target #1:	0.260

SERIAL NUMBER: C6594658. __0
TARGET NUMBER: 1
FILE DATE: 07/17/2007
FILE TIME: 22:18

X CENTROID: 0.022
Y CENTROID: -0.075
POA TO CENTROID: 0.078
HORZ SPREAD: 1.765
VERT SPREAD: 1.885
GROUP SPREAD: 2.006
MIN RADIUS: 0.372
MAX RADIUS: 1.433
MEAN RADIUS: 0.697
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.334	0.756
2:	0.311	0.506
3:	0.563	0.394
4:	-0.145	0.258
5:	-0.425	-0.080
6:	-0.556	-0.138
7:	-0.772	-0.176
8:	-0.257	-0.579
9:	0.172	-0.562
10:	0.993	-1.129



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594658. 0

TARGET NUMBER: 2

FILE DATE: 07/17/2007

FILE TIME: 22:18

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

1:	0.140	-2.094
----	-------	--------

2:	-1.398	-0.722
----	--------	--------

3:	-0.434	-0.434
----	--------	--------

4:	0.001	-0.814
----	-------	--------

5:	0.148	-0.037
----	-------	--------

6:	0.351	0.012
----	-------	-------

7:	-0.372	0.084
----	--------	-------

8:	-0.129	0.302
----	--------	-------

9:	-0.381	0.341
----	--------	-------

10:	-0.212	0.587
-----	--------	-------

X CENTROID: -0.229

Y CENTROID: -0.278

POA TO CENTROID: 0.360

HORZ SPREAD: 1.749

VERT SPREAD: 2.681

GROUP SPREAD: 2.704

MIN RADIUS: 0.258

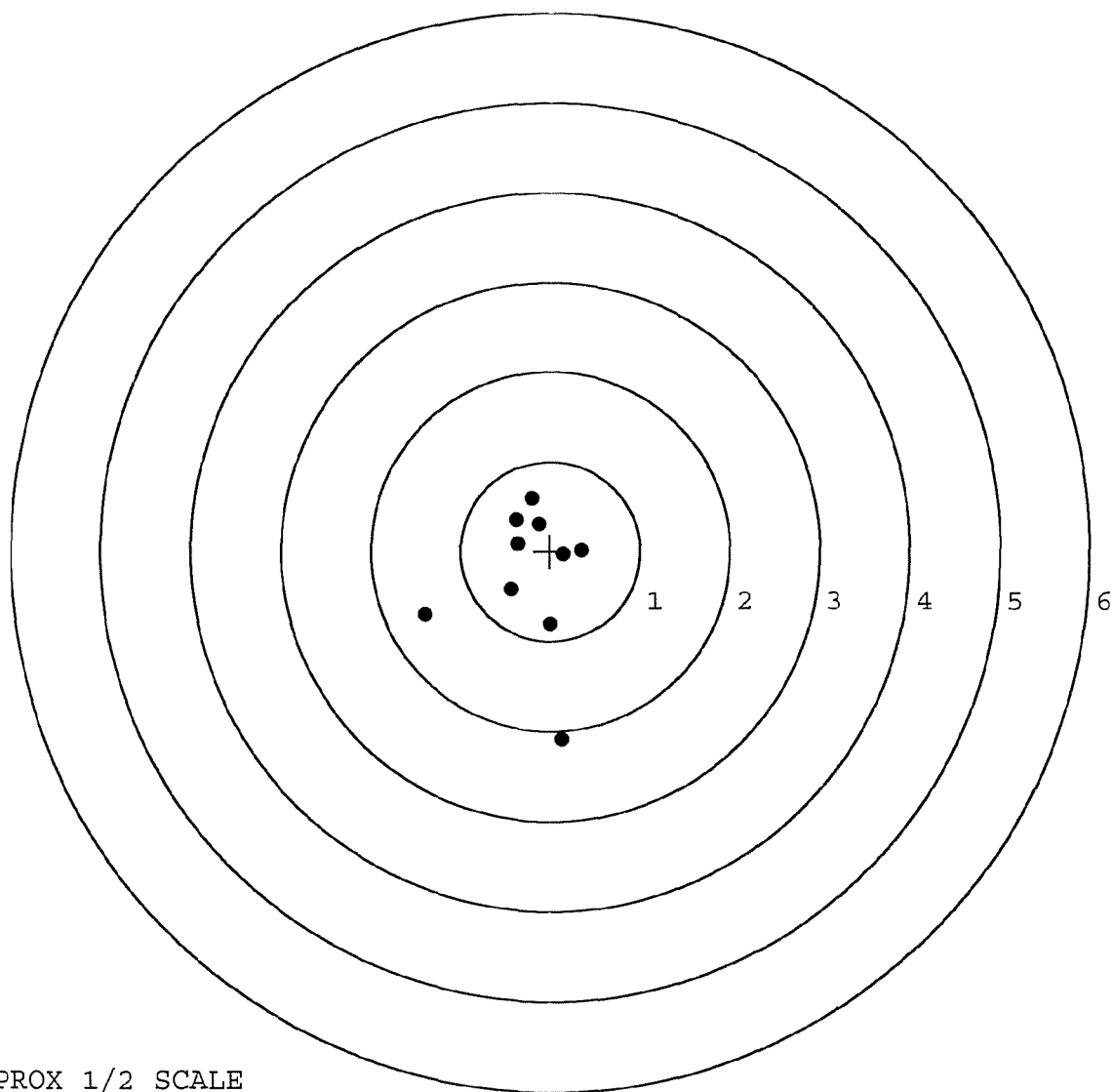
MAX RADIUS: 1.854

MEAN RADIUS: 0.752

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594658. 0

TARGET NUMBER: 3

FILE DATE: 07/17/2007

FILE TIME: 22:18

POINT#	X	Y
1:	-0.379	0.794
2:	-1.156	0.617
3:	-0.057	0.403
4:	-0.434	0.287
5:	-0.321	-0.003
6:	0.236	-0.140
7:	0.413	-0.492
8:	-0.786	-0.897
9:	1.352	-1.456
10:	-0.368	0.162

X CENTROID: -0.150

Y CENTROID: -0.073

POA TO CENTROID: 0.167

HORZ SPREAD: 2.508

VERT SPREAD: 2.250

GROUP SPREAD: 3.254

MIN RADIUS: 0.185

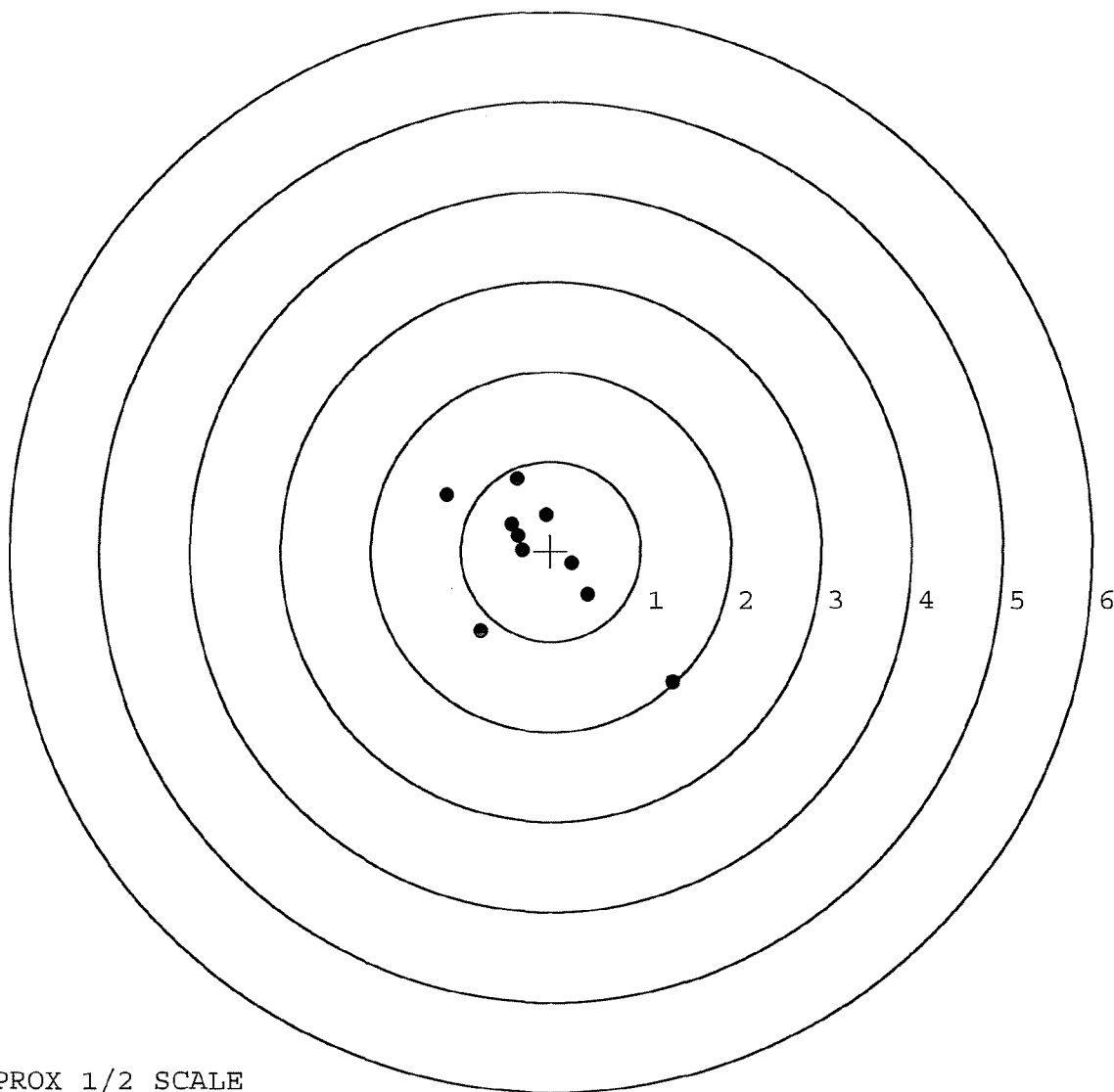
MAX RADIUS: 2.042

MEAN RADIUS: 0.774

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594658. __0

TARGET NUMBER: 4

FILE DATE: 07/17/2007

FILE TIME: 22:18

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

1:	-0.606	0.770
----	--------	-------

2:	-0.396	0.433
----	--------	-------

3:	-0.070	0.872
----	--------	-------

4:	0.128	0.505
----	-------	-------

5:	0.286	0.129
----	-------	-------

6:	0.952	-0.209
----	-------	--------

7:	0.382	-0.343
----	-------	--------

8:	0.253	-0.469
----	-------	--------

9:	-0.007	-0.406
----	--------	--------

10:	0.280	-0.724
-----	-------	--------

X CENTROID: 0.120

Y CENTROID: 0.056

POA TO CENTROID: 0.133

HORZ SPREAD: 1.558

VERT SPREAD: 1.596

GROUP SPREAD: 1.840

MIN RADIUS: 0.181

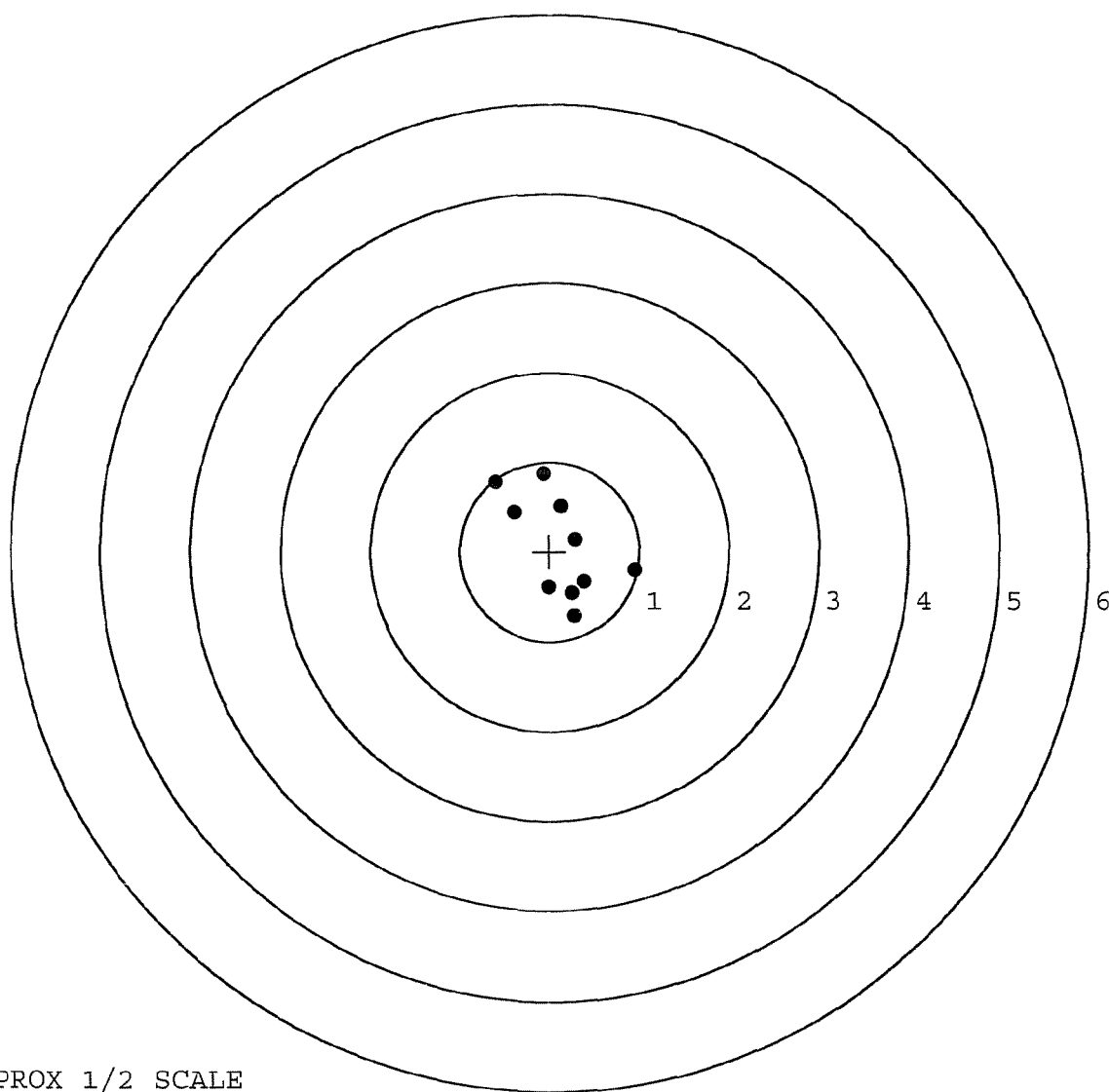
MAX RADIUS: 1.019

MEAN RADIUS: 0.629

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

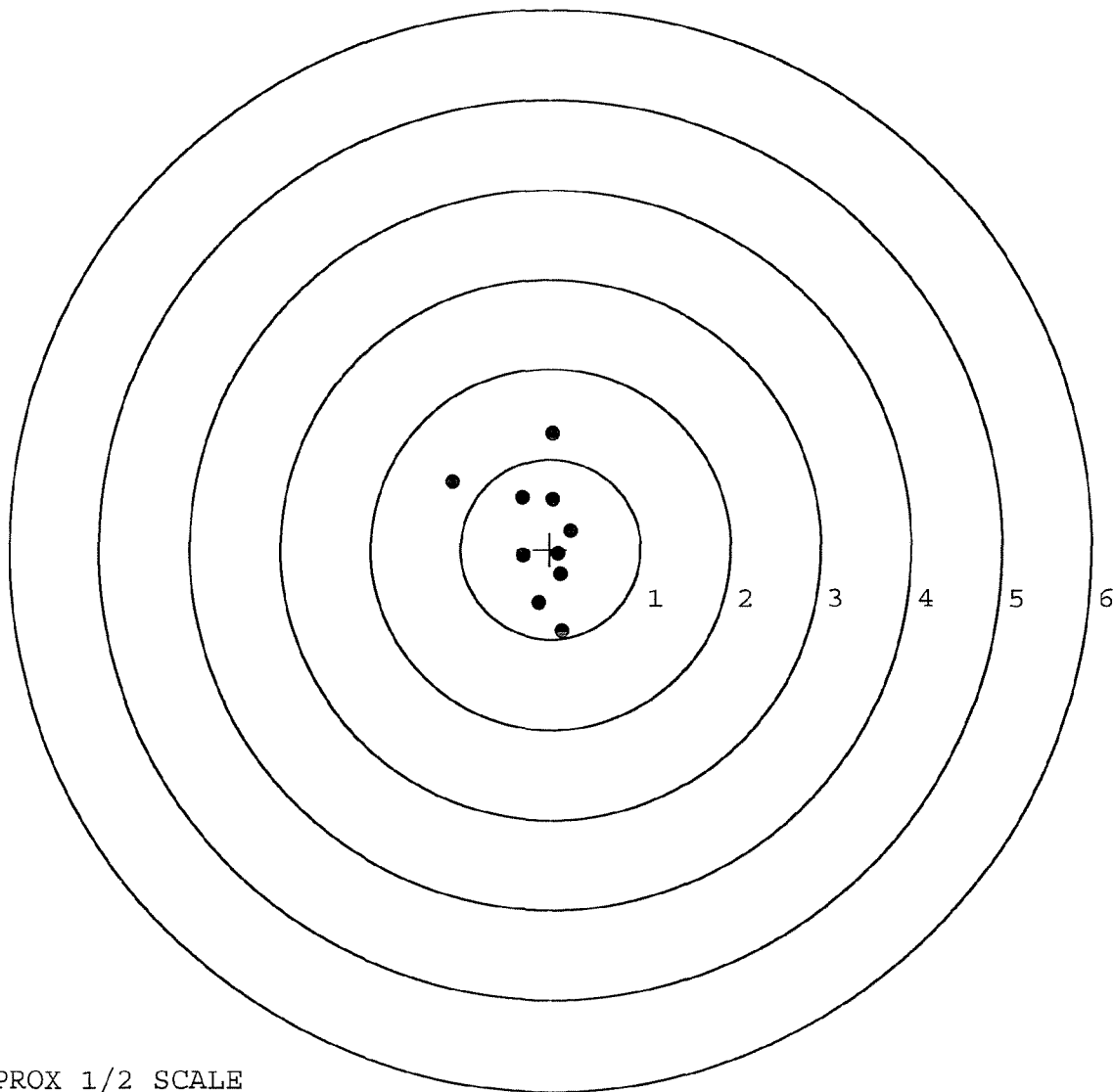


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594658.___0
TARGET NUMBER: 5
FILE DATE: 07/17/2007
FILE TIME: 22:18

POINT#	X	Y
1:	0.033	1.281
2:	-1.089	0.745
3:	-0.314	0.569
4:	0.029	0.554
5:	-0.303	-0.079
6:	-0.133	-0.601
7:	0.133	-0.915
8:	0.119	-0.284
9:	0.092	-0.050
10:	0.226	0.204

X CENTROID: -0.121
Y CENTROID: 0.142
POA TO CENTROID: 0.187
HORZ SPREAD: 1.315
VERT SPREAD: 2.196
GROUP SPREAD: 2.198
MIN RADIUS: 0.287
MAX RADIUS: 1.149
MEAN RADIUS: 0.644
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		<u>00130507</u>	
SERIAL NUMBER		<u>C 6594658</u>	
LOG-IN DATE		<u>6-25-07</u>	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-25-07	TRW
505	RE-BARREL	6-28-07	TRW
560	ASSEMBLE	7-9-07	RTZ
600	PROOF	7-10-07	TRW
605	CHECK HEADSPACE	7-10-07	TRW
610	DIS-ASSEMBLE GUN	7-11-07	RTZ
612	MAGNAFLUX	7-12-07	TRW
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	TRW
625	FINAL ASSEMBLY	7-16-07	TRW
640	FUNCTION TEST AND	(PASS) FAIL	7-17-07 TRW
650	TARGET	(PASS) FAIL	7-17-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		7-17-07 TRW
	A) HEADSPACE	PASS FAIL	7-18-07 TRW
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.87 2.91 2.91 2.92 2.90 7-18-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 4.5 4.2 7-18-07 DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 3.2 3.0 7-18-07 DA
	I) FIRING PIN INDENT	.020	.022 .022 .024 7-18-07 DA
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: **RE00034884** Serial: **C6594658** Model **700** Center Fire Caliber: **7.62 NATO M-24 (SWS)** Repairman: Status: **Closed 11/1/01 8:03:18 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:

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

Condition: **Poor**

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

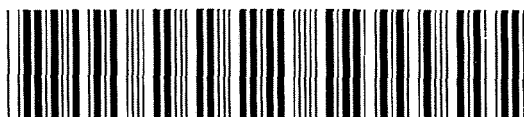
Repair Search Refresh Close

haglet 11/1/01 9:48 AM CAPS NUM INS SCPL

Start Inbox - M... Calendar Microsoft... NJBGS E... Arms S... 9:48 AM

Serial Number: **C6594658**

Model: **700**



RE00034884

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594658.___0

FILE DATE AND TIME: 11/26/2001 03:06

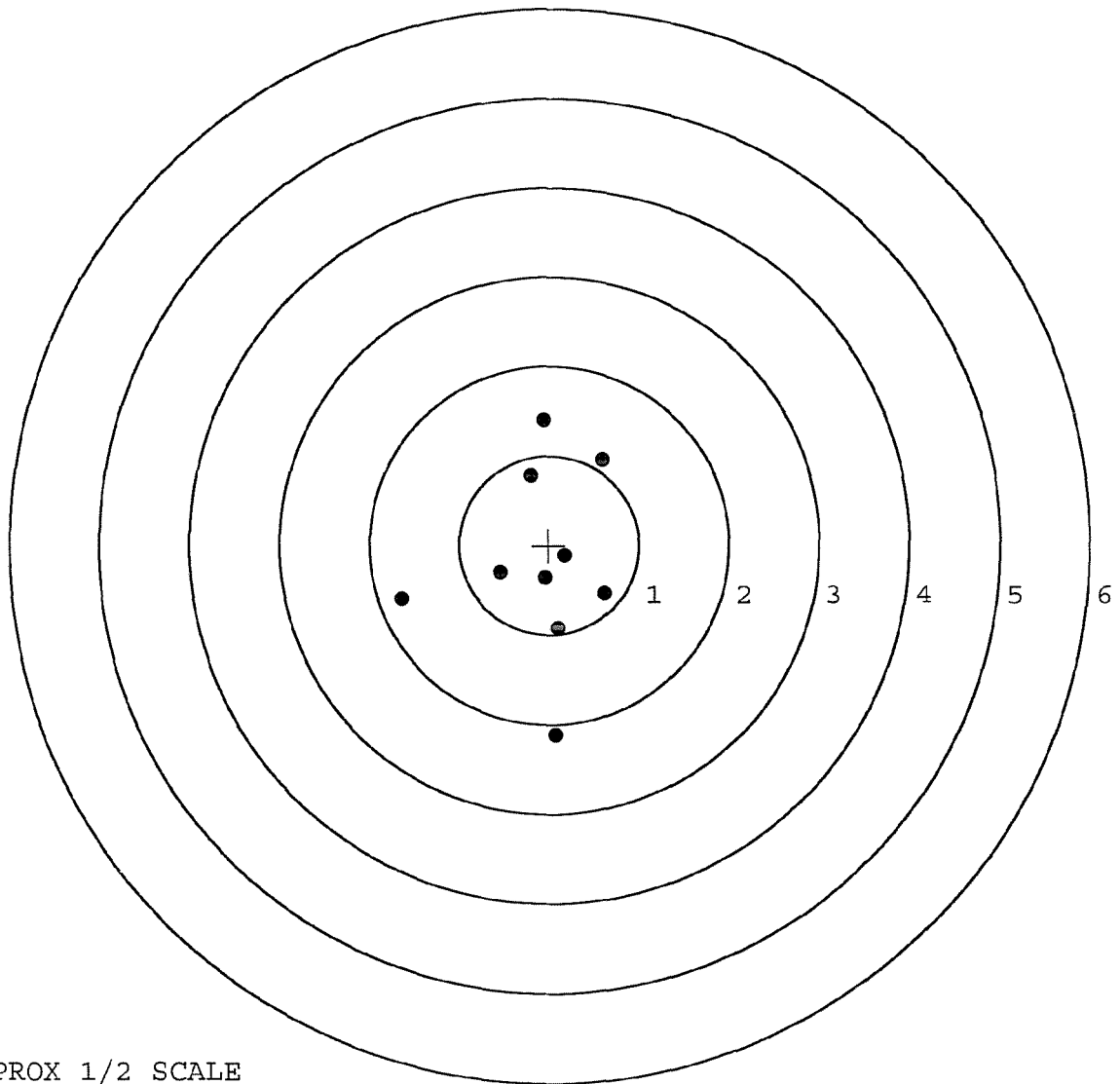
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.160
The Average Y Centroid of the Five Target Set:	-0.140
The Average Point of Impact of the Five Target Set:	0.213
The Average Mean Radius of the Five Target Set:	1.169
The Distance from POA to Centroid Target #1:	0.210
The Distance from Centroid Target #2 to Centroid Target #1:	0.122
The Distance from Centroid Target #3 to Centroid Target #1:	0.277
The Distance from Centroid Target #4 to Centroid Target #1:	0.170
The Distance from Centroid Target #5 to Centroid Target #1:	0.208

SERIAL NUMBER: C6594658. __0
TARGET NUMBER: 1
FILE DATE: 11/26/2001
FILE TIME: 03:06

X CENTROID: -0.092
Y CENTROID: -0.188
POA TO CENTROID: 0.210
HORZ SPREAD: 2.259
VERT SPREAD: 3.519
GROUP SPREAD: 3.522
MIN RADIUS: 0.183
MAX RADIUS: 1.944
MEAN RADIUS: 0.994
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-0.061	1.395
2:	-0.206	0.779
3:	0.589	0.954
4:	0.177	-0.118
5:	-0.042	-0.365
6:	-0.544	-0.307
7:	-1.645	-0.618
8:	0.111	-0.937
9:	0.614	-0.543
10:	0.089	-2.124

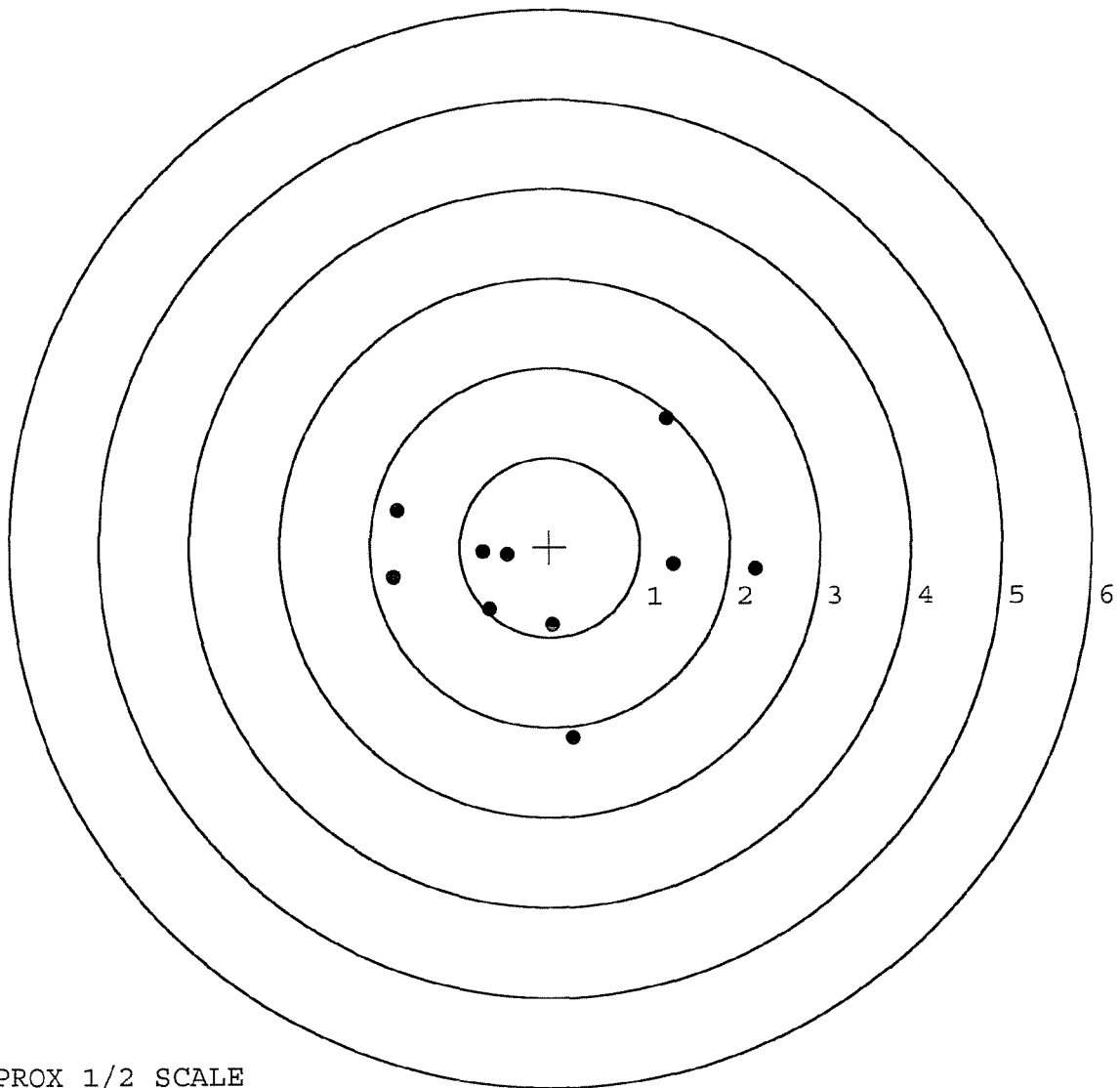


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594658. __0
TARGET NUMBER: 2
FILE DATE: 11/26/2001
FILE TIME: 03:06

X CENTROID: -0.010
Y CENTROID: -0.279
POA TO CENTROID: 0.279
HORZ SPREAD: 4.010
VERT SPREAD: 3.555
GROUP SPREAD: 4.026
MIN RADIUS: 0.498
MAX RADIUS: 2.284
MEAN RADIUS: 1.387
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 5

POINT#	X	Y
1:	-1.698	0.401
2:	-1.736	-0.341
3:	-0.745	-0.057
4:	-0.470	-0.089
5:	-0.673	-0.700
6:	0.028	-0.873
7:	0.256	-2.117
8:	1.371	-0.198
9:	2.274	-0.254
10:	1.294	1.438

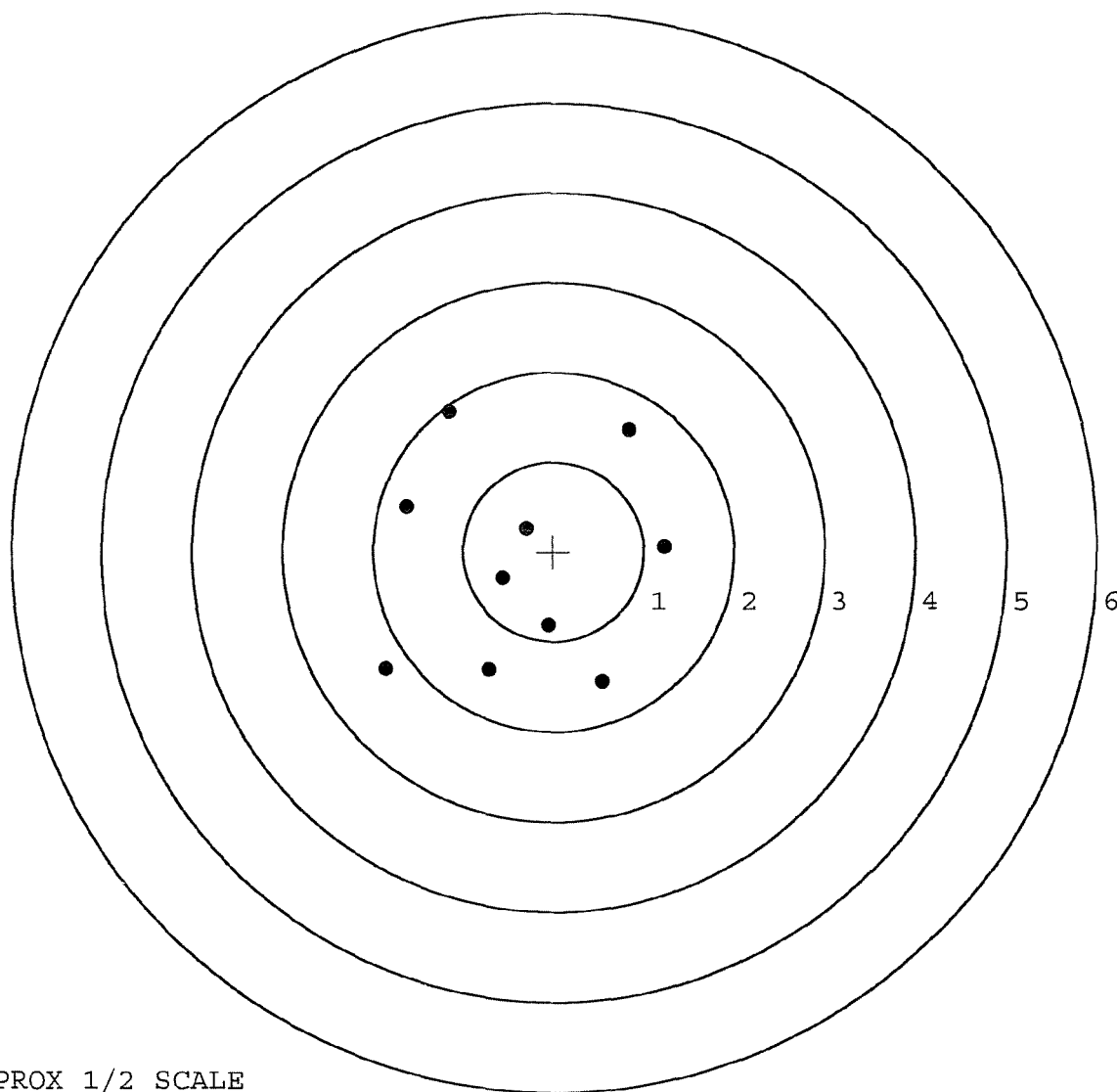


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594658. __0
TARGET NUMBER: 3
FILE DATE: 11/26/2001
FILE TIME: 03:06

X CENTROID: -0.367
Y CENTROID: -0.151
POA TO CENTROID: 0.396
HORZ SPREAD: 3.083
VERT SPREAD: 3.002
GROUP SPREAD: 3.804
MIN RADIUS: 0.250
MAX RADIUS: 1.935
MEAN RADIUS: 1.295
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 5

POINT#	X	Y
1:	-1.164	1.550
2:	-1.627	0.488
3:	-1.858	-1.321
4:	-0.717	-1.323
5:	-0.563	-0.306
6:	-0.048	-0.822
7:	-0.301	0.258
8:	0.548	-1.452
9:	1.225	0.055
10:	0.840	1.361

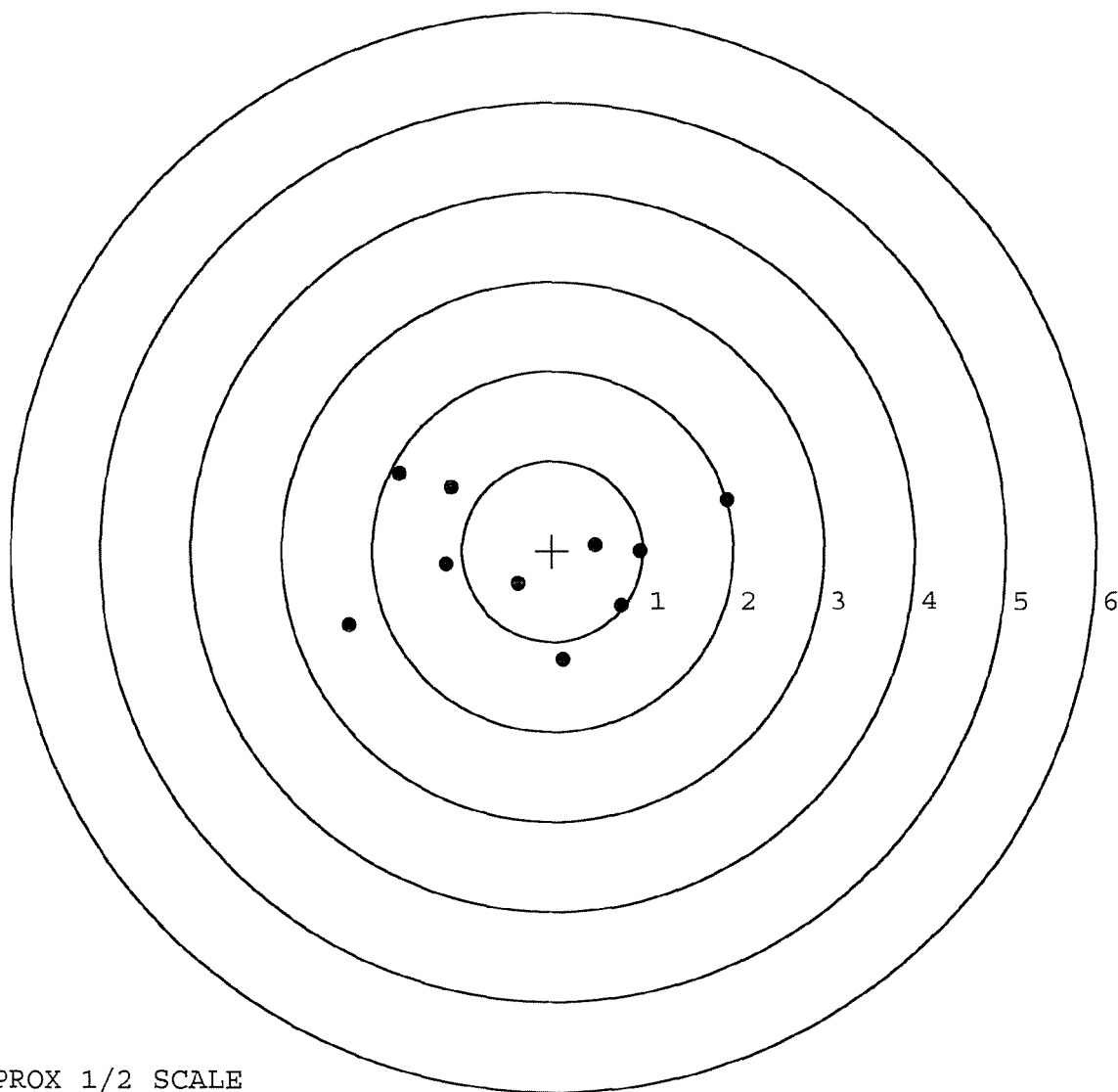


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594658. 0
TARGET NUMBER: 4
FILE DATE: 11/26/2001
FILE TIME: 03:06

X CENTROID: -0.237
Y CENTROID: -0.101
POA TO CENTROID: 0.257
HORZ SPREAD: 4.177
VERT SPREAD: 2.051
GROUP SPREAD: 4.410
MIN RADIUS: 0.304
MAX RADIUS: 2.268
MEAN RADIUS: 1.282
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-1.700	0.845
2:	-1.121	0.697
3:	-2.248	-0.843
4:	-1.180	-0.163
5:	-0.383	-0.367
6:	0.121	-1.206
7:	0.765	-0.603
8:	0.476	0.061
9:	0.973	0.001
10:	1.929	0.573

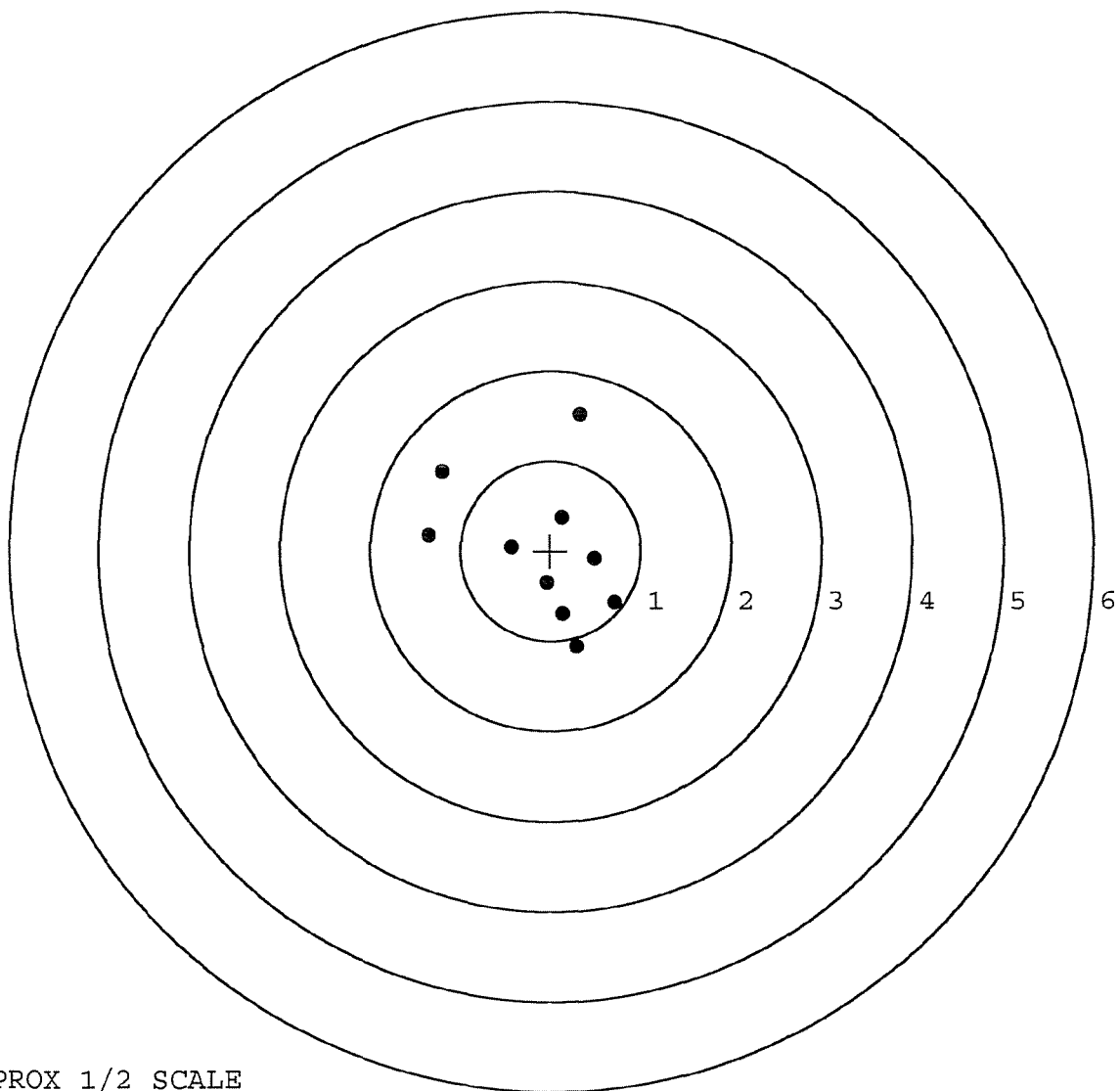


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594658. __0
TARGET NUMBER: 5
FILE DATE: 11/26/2001
FILE TIME: 03:06

POINT#	X	Y
1:	-1.203	0.867
2:	-1.355	0.170
3:	-0.431	0.044
4:	-0.041	-0.354
5:	0.137	-0.702
6:	0.293	-1.064
7:	0.710	-0.568
8:	0.487	-0.085
9:	0.123	0.369
10:	0.321	1.523

X CENTROID: -0.096
Y CENTROID: 0.020
POA TO CENTROID: 0.098
HORZ SPREAD: 2.065
VERT SPREAD: 2.587
GROUP SPREAD: 2.587
MIN RADIUS: 0.336
MAX RADIUS: 1.560
MEAN RADIUS: 0.885
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		34884	
SERIAL NUMBER		C6594658	
LOG-IN DATE		11-1-01	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-6-01	RH
560 A	RE-BARREL	11/6	BWT
B	DRILL AND TAP	11/7	BWT
575	ASSEMBLE	11-7-01	RW
600	PROOF	11-7-01	RW
605	CHECK HEADSPACE	11-7-01	RW
610	DIS-ASSEMBLE GUN	11-7-01	RW
612	MAGNAFLUX	11/12	(D)
615	ROLLMARK CALIBER	11/14	e
618	ROTO-BLAST	11-15	T*
620	APPLY COATINGS	11-26-01	RH
625 A	FINAL ASSEMBLY		
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	RH
660	PACK	11-28-01	DA
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

In: C6594658

DATE REC'D: 11-1-01

DATE RET'D: 11/28/01

EDITOR: RTH

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
firearm.

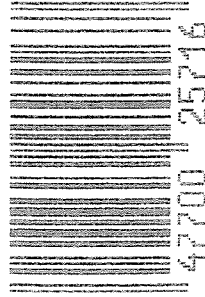
MODEL 700™ M24

SERIAL NO.
C6594658

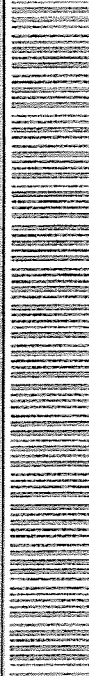
ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6594658

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C.6594658

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/21/90	K.S.
600	Proof		12/21/90	K.S.
607	Check Headspace		12/21/90	K.S.
610	Dis-assemble Gun		12/21/90	K.S.
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	YB.
617	Drill and Tap Sight Holes	1 10 91		KB
618	Polish Barrel	1 10 91		WB
620	Apply Coatings (Barrel Action)		1-22-91	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/29/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/29/91	KS
	C) Inspect Ejector Hole for Chamfer		1/29/91	KS
	D) Oil Firing Pin Ass'y		1/29/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1/30/91	JK

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			1/30/91	WLB
	G) Safety Off Force	3 1/4	3 1/4	3 1/4			1/30/91	WLB
	H) Trigger Pull Test & Retainability						1/30/91	WLB
	I) Firing Pin Indent	.021	.021	.021			1/30/91	WLB
	J) Assemble Stock						1/30/90	KS
	K) Assemble Swivel Studs						2-6-91	KS
	L) Attach Front and Rear Sight Assemblies						1/30/90	KS
	M) Iron Sight Alignment						1/30/90	KS
	N) Detach Front & Rear Sights & place in numbered container						1/30/90	KS
	O) Attach Scope to Rifle						1/30/90	KS
	P) Detach & Attach Scope 20 Times						1/30/90	KS
640	Gallery Target & Test						1/30/91	KS
	A) Time							KS
	B) Malfunctions							KS
	C) Pierced Primers							KS
	D) Optical Clarity of Scope							KS
645	Inspect for Live Ammo						1/30/90	KS
655	Final Inspection							
	A) Headspace						2-6-91	KS
	B) Trigger Pull	219	224	223	229	222	2-4-91	WLB
	C) Function						2-6-91	KS
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. C6594658
DATE 1-30-91
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.20	2.30	2.19	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.42	2.34	2.24	
PULL #3	2.41	2.36	2.30	2.23	
PULL #4	2.45	2.46	2.38	2.29	
PULL #5	2.48	2.37	2.38	2.22	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.42		
PULL #2	3.38	3.32		
PULL #3	3.34	3.23		
PULL #4	3.34	3.38		
PULL #5	3.25	3.41		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.32		4.36
PULL #2	4.39	4.20		4.38
PULL #3	4.50	4.45		4.38
PULL #4	4.27	4.37		4.50
PULL #5	4.42	4.49		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594658
31 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.0672309
1 TO	2	.933349
1 TO	3	.294007
1 TO	4	.0961665
1 TO	5	.192419

$\frac{1}{5} \sum x^2 \leftarrow \text{POA}$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2268
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0772
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .239579
THE AMP FOR THIS RIFLE IS: .8884

31 Jan 1991

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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 = 8

HS= 2.847

VS= 2.439

GS= 3.016

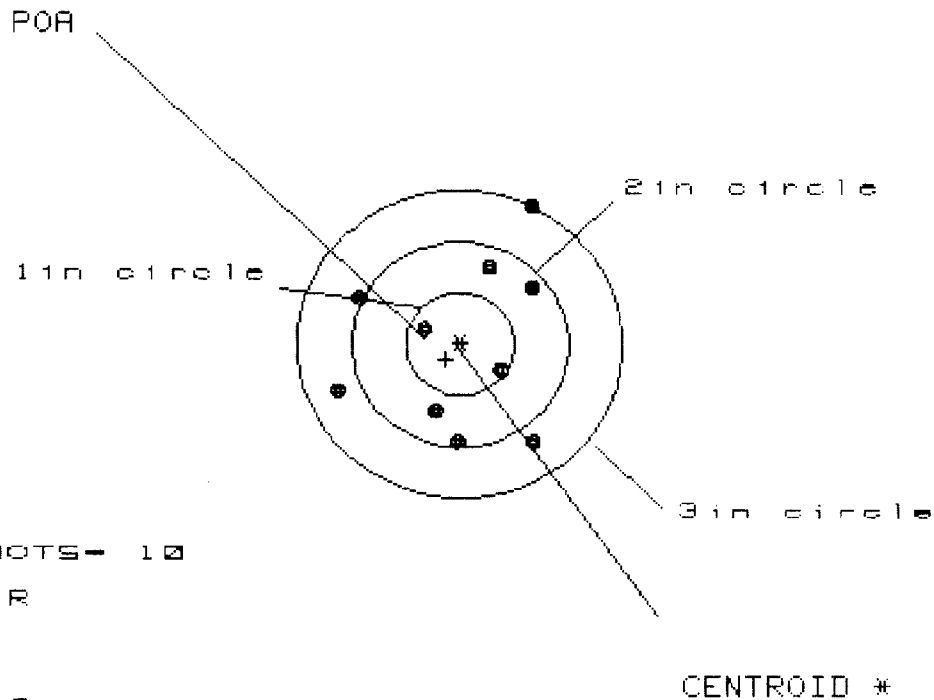
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.359	1.193	1.093
MINIMUM X	:	-1.488	-.802	-.772
MAXIMUM Y	:	1.008	.853	.655
MINIMUM Y	:	-1.431	-1.586	-.772
CENTROID X	:	-.034	.132	.232
CENTROID Y	:	.058	.213	.411
POA TO CENTROID in.	:	.067	.251	.472
MIN RADIUS	:	.427	.306	.154
MEAN RADIUS	:	1.011	.853	.679
STD RADIUS	:	2.038	1.777	1.338
HORIZONTAL SPREAD	:	2.847	1.995	1.865
VERTICAL SPREAD	:	2.439	2.439	1.427
EXTREME SPREAD	:	3.016	2.615	1.877
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.825

VS= 2.310

GS= 2.512

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.701	.775	.644
MINIMUM X	-1.124	-1.050	-.936
MAXIMUM Y	1.325	.911	.875
MINIMUM Y	-.985	-.838	-.874
CENTROID X	.129	.055	.186
CENTROID Y	.148	.001	.037
POA TO CENTROID in.	.197	.055	.190
MIN RADIUS	.392	.406	.329
MEAN RADIUS	.895	.814	.771
MAX RADIUS	1.484	1.089	1.112
HORIZONTAL SPREAD	1.825	1.825	1.580
VERTICAL SPREAD	2.310	1.749	1.749
EXTREME SPREAD	2.512	2.060	2.048
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in - 1

2in - 9

3in = 10

HS= 1.956

VS= 1.490

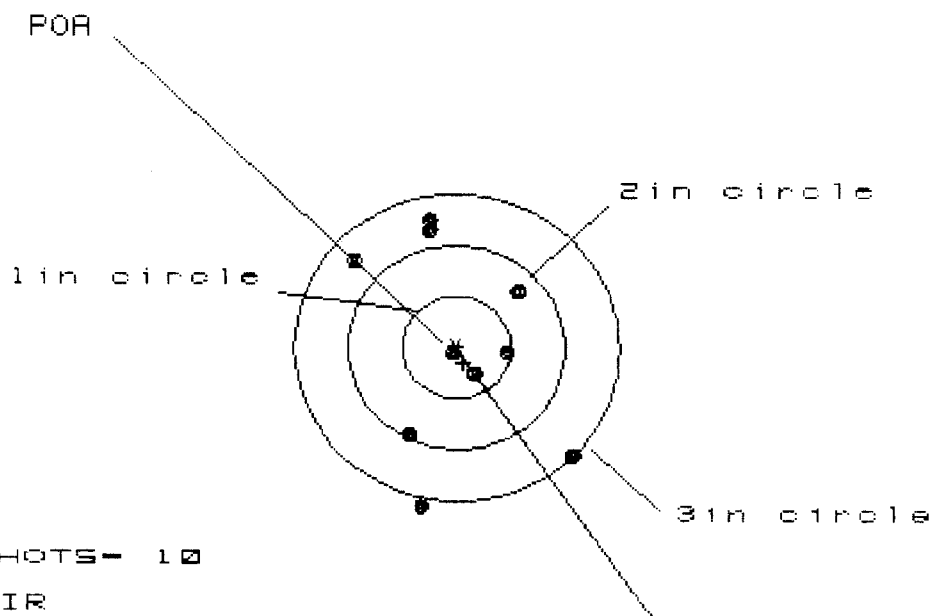
GS= 1.984

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.648	.503	.364
MINIMUM X	:	-1.308	-1.105	-.827
MAXIMUM Y	:	.837	.819	.832
MINIMUM Y	:	-.653	-.671	-.658
CENTROID X	:	.200	.345	.484
CENTROID Y	:	-.120	-.102	-.115
POA TO CENTROID in.	:	.233	.360	.497
MIN RADIUS	:	.054	.106	.238
MEAN RADIUS	:	.735	.645	.561
MAX RADIUS	:	1.318	1.110	.973
HORIZONTAL SPREAD	:	1.956	1.608	1.191
VERTICAL SPREAD	:	1.490	1.490	1.490
EXTREME SPREAD	:	1.984	1.719	1.560
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



* OF SHOTS- 10

IN CIR

1in - 2

2in - 5

3in - 8

HS- 1.987

VS- 2.764

GS- 2.769

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.080	1.047	.618
MINIMUM X	:	-.907	-.940	-.809
MAXIMUM Y	:	1.236	1.066	.913
MINIMUM Y	:	-1.528	-1.229	-1.131
CENTROID X	:	-.062	-.029	-.160
CENTROID Y	:	.150	.320	.473
POA TO CENTROID in.	:	.162	.321	.500
MIN RADIUS	:	.064	.207	.339
MEAN RADIUS	:	.931	.866	.783
MAX RADIUS	:	1.556	1.615	1.183
HORIZONTAL SPREAD	:	1.987	1.987	1.427
VERTICAL SPREAD	:	2.764	2.295	2.044
EXTREME SPREAD	:	2.769	2.769	2.051
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

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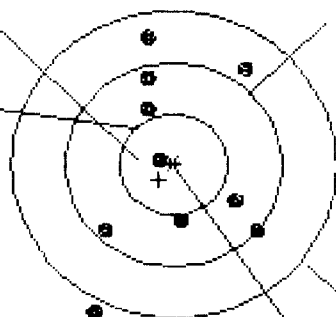
CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 1.449

VS= 2.719

GS= 2.771

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.742	.664	.628
MINIMUM X	-.707	-.688	-.724
MAXIMUM Y	1.252	1.088	.930
MINIMUM Y	-1.468	-.791	-.654
CENTROID X	.135	.213	.249
CENTROID Y	.150	.313	.176
POA TO CENTROID in.	.201	.378	.305
MIN RADIUS	.094	.225	.208
MEAN RADIUS	.870	.786	.731
MAX RADIUS	1.629	1.126	1.065
HORIZONTAL SPREAD	1.449	1.352	1.352
VERTICAL SPREAD	2.719	1.879	1.584
EXTREME SPREAD	2.771	2.105	2.015
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		