

C6594674

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*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: **RE00034889** Serial: C6594674 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 11/1/01 8:16:03 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

Pool

Condition: Notes: CSR Notes:

Accessories Received

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

Repair Search Refresh Close

11/1/01 9:48 AM CAPS NIJM NS SCPL

Start Inbox - M... Calendar... Microsoft... NUBGS C... Arms S...

9:48 AM

Serial Number: **C6594674**

Model: **700**



RE00034889

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: 6594674.__0
FILE DATE AND TIME: 11/27/2001 22:32

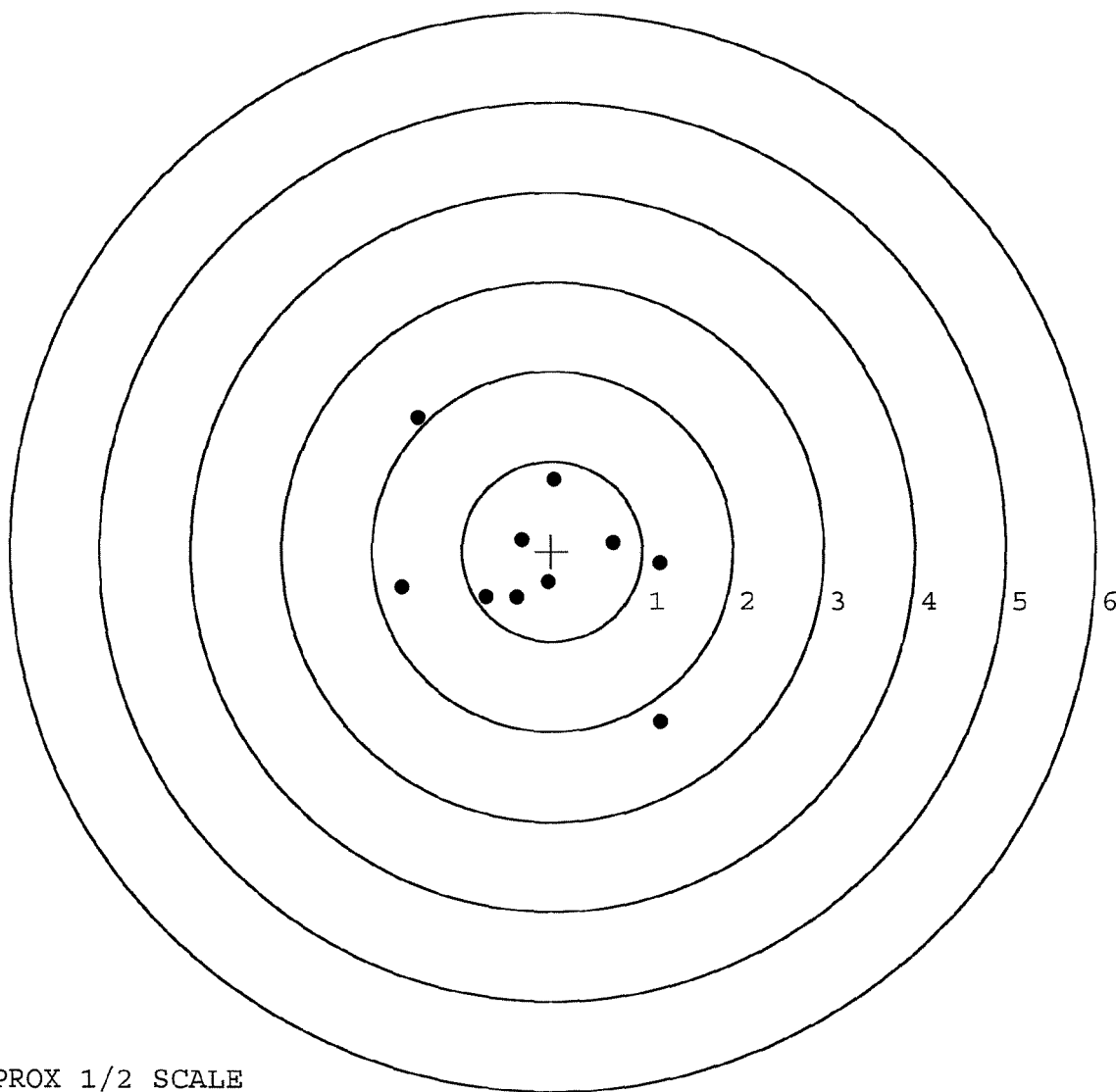
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.046
The Average Y Centroid of the Five Target Set:	0.228
The Average Point of Impact of the Five Target Set:	0.232
The Average Mean Radius of the Five Target Set:	1.256
The Distance from POA to Centroid Target #1:	0.206
The Distance from Centroid Target #2 to Centroid Target #1:	0.606
The Distance from Centroid Target #3 to Centroid Target #1:	0.344
The Distance from Centroid Target #4 to Centroid Target #1:	0.464
The Distance from Centroid Target #5 to Centroid Target #1:	0.495

SERIAL NUMBER: 06594674. 0
TARGET NUMBER: 1
FILE DATE: 11/27/2001
FILE TIME: 22:32

POINT#	X	Y
1:	-1.498	1.476
2:	-1.669	-0.412
3:	-0.733	-0.515
4:	-0.382	-0.519
5:	-0.043	-0.342
6:	-0.339	0.121
7:	0.023	0.795
8:	0.675	0.097
9:	1.196	-0.136
10:	1.202	-1.899

X CENTROID: -0.157
Y CENTROID: -0.133
POA TO CENTROID: 0.206
HORZ SPREAD: 2.871
VERT SPREAD: 3.375
GROUP SPREAD: 4.322
MIN RADIUS: 0.238
MAX RADIUS: 2.228
MEAN RADIUS: 1.071
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 7

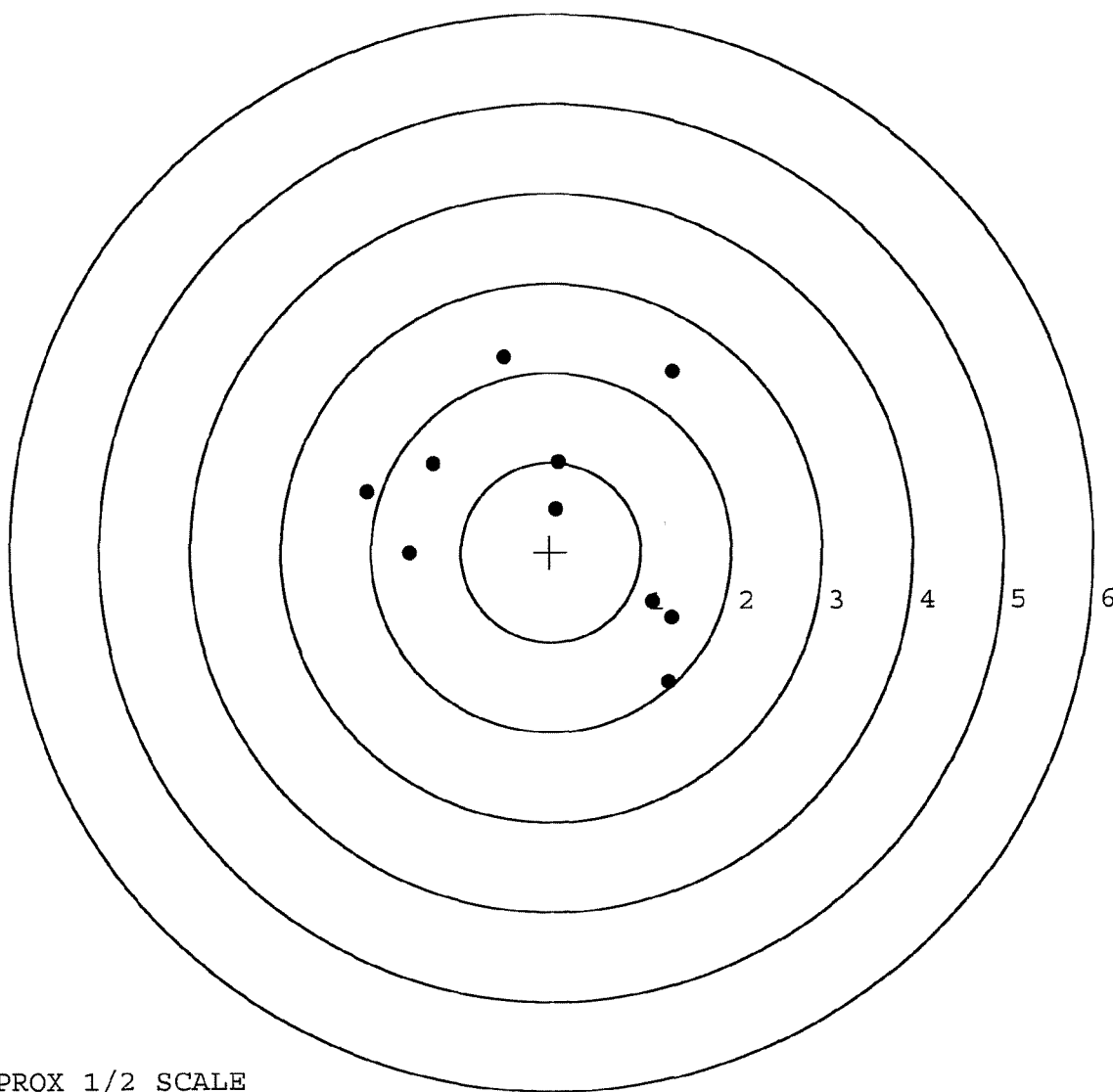


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: 6594674. 0
TARGET NUMBER: 2
FILE DATE: 11/27/2001
FILE TIME: 22:32

X CENTROID: -0.014
Y CENTROID: 0.455
POA TO CENTROID: 0.456
HORZ SPREAD: 3.401
VERT SPREAD: 3.632
GROUP SPREAD: 4.061
MIN RADIUS: 0.083
MAX RADIUS: 2.321
MEAN RADIUS: 1.522
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 2
in 3 IN DIAMETER: 3

POINT#	X	Y
1:	1.355	2.001
2:	0.094	1.005
3:	-0.511	2.178
4:	-1.302	0.982
5:	-2.046	0.674
6:	-1.567	-0.007
7:	0.066	0.478
8:	1.132	-0.561
9:	1.337	-0.743
10:	1.306	-1.454



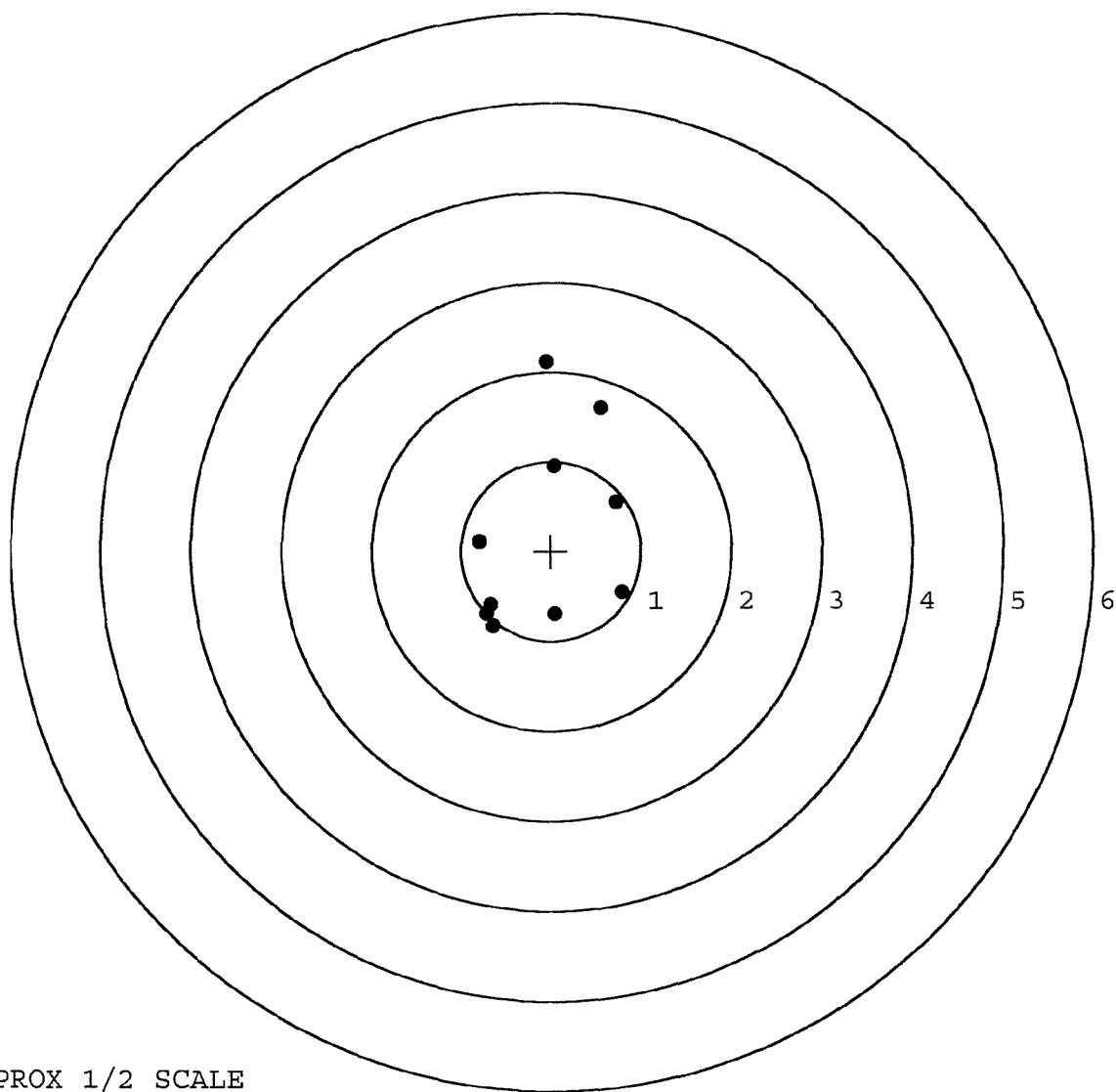
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: 66594674. 0
TARGET NUMBER: 3
FILE DATE: 11/27/2001
FILE TIME: 22:32

X CENTROID: -0.078
Y CENTROID: 0.202
POA TO CENTROID: 0.216
HORZ SPREAD: 1.595
VERT SPREAD: 2.959
GROUP SPREAD: 3.015
MIN RADIUS: 0.735
MAX RADIUS: 1.917
MEAN RADIUS: 1.112

POINT#	X	Y
1:	-0.066	2.119
2:	0.549	1.604
3:	0.034	0.951
4:	0.720	0.553
5:	0.789	-0.455
6:	0.046	-0.705
7:	-0.642	-0.840
8:	-0.726	-0.704
9:	-0.678	-0.605
10:	-0.806	0.101

IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 8

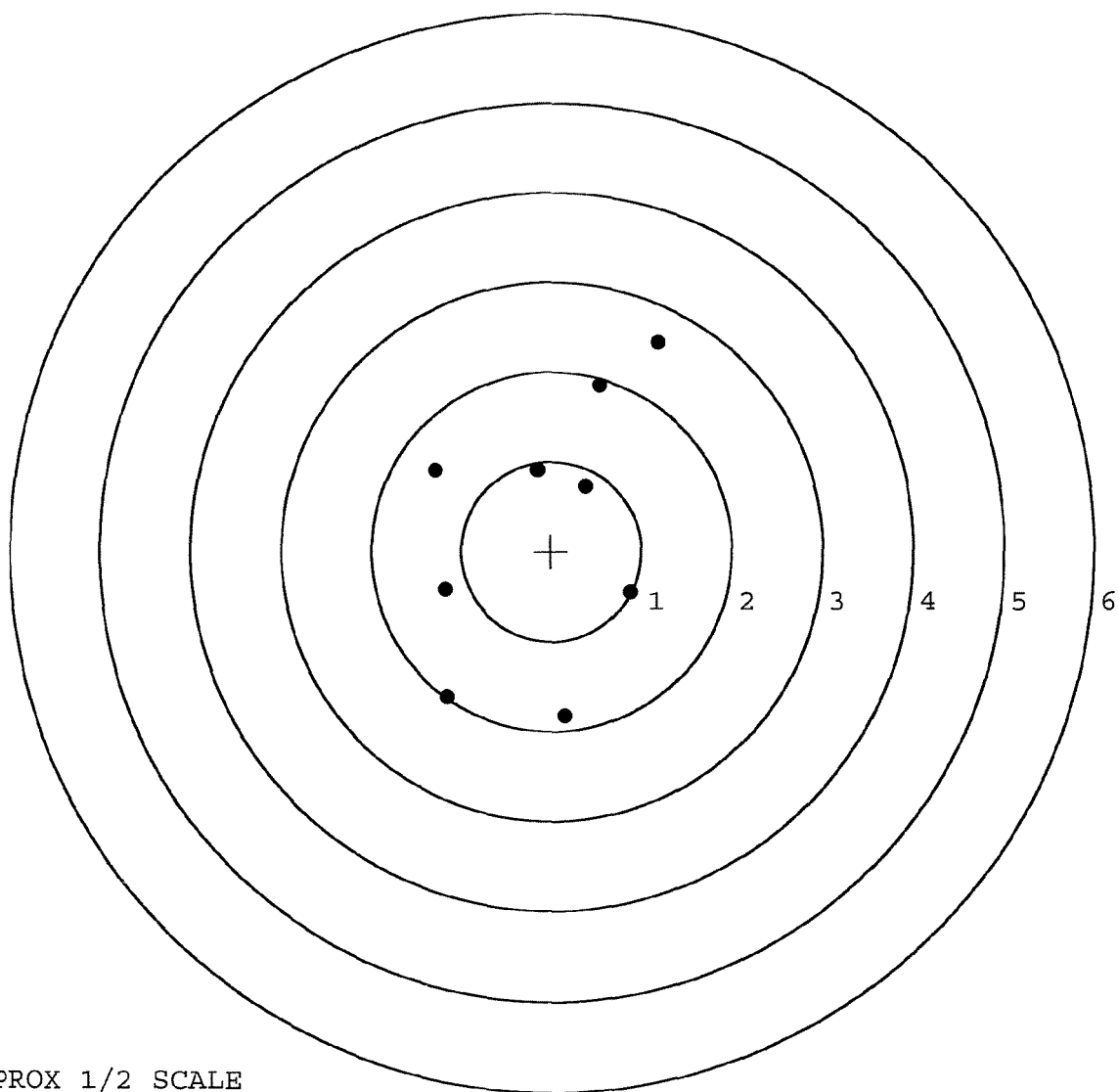


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: 6594674. 0
TARGET NUMBER: 4
FILE DATE: 11/27/2001
FILE TIME: 22:32

POINT#	X	Y
1:	1.175	2.324
2:	0.528	1.849
3:	0.386	0.726
4:	-0.163	0.903
5:	-0.153	0.901
6:	-1.299	0.898
7:	-1.174	-0.436
8:	-1.147	-1.627
9:	0.164	-1.838
10:	0.882	-0.455

X CENTROID: -0.080
Y CENTROID: 0.325
POA TO CENTROID: 0.334
HORZ SPREAD: 2.474
VERT SPREAD: 4.162
GROUP SPREAD: 4.583
MIN RADIUS: 0.581
MAX RADIUS: 2.361
MEAN RADIUS: 1.410
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 6



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: 66594674. 0

TARGET NUMBER: 5

FILE DATE: 11/27/2001

FILE TIME: 22:32

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

1:	-0.403	1.903
----	--------	-------

2:	0.487	1.908
----	-------	-------

3:	1.467	0.517
----	-------	-------

4:	1.260	-0.232
----	-------	--------

5:	0.376	0.378
----	-------	-------

6:	-0.187	0.184
----	--------	-------

7:	-0.748	0.489
----	--------	-------

8:	-1.199	-0.076
----	--------	--------

9:	-0.240	-0.533
----	--------	--------

10:	0.192	-1.638
-----	-------	--------

X CENTROID: 0.101

Y CENTROID: 0.290

POA TO CENTROID: 0.307

HORZ SPREAD: 2.666

VERT SPREAD: 3.546

GROUP SPREAD: 3.591

MIN RADIUS: 0.289

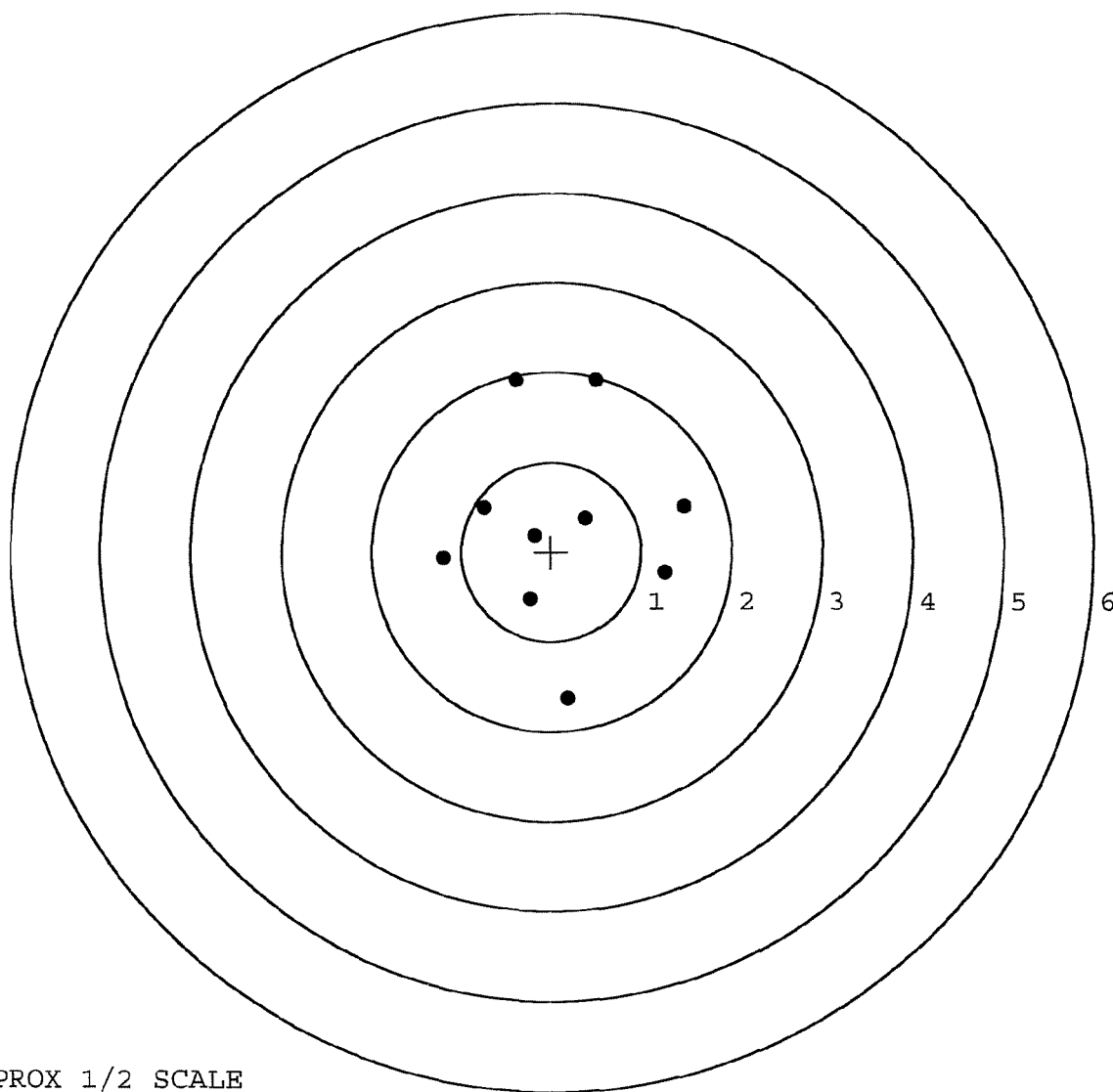
MAX RADIUS: 1.930

MEAN RADIUS: 1.165

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594674.___0
FILE DATE AND TIME: 11/26/2001 02:42

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.086
The Average Y Centroid of the Five Target Set:	0.635
The Average Point of Impact of the Five Target Set:	0.641
The Average Mean Radius of the Five Target Set:	1.550
The Distance from POA to Centroid Target #1:	0.477
The Distance from Centroid Target #2 to Centroid Target #1:	0.578
The Distance from Centroid Target #3 to Centroid Target #1:	0.148
The Distance from Centroid Target #4 to Centroid Target #1:	1.909
The Distance from Centroid Target #5 to Centroid Target #1:	3.231

SERIAL NUMBER: C6594674. __0

TARGET NUMBER: 1

FILE DATE: 11/26/2001

FILE TIME: 02:42

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

1:	-0.644	2.855
----	--------	-------

2:	-0.890	2.214
----	--------	-------

3:	0.051	1.321
----	-------	-------

4:	1.056	0.902
----	-------	-------

5:	0.835	-0.537
----	-------	--------

6:	-0.614	-1.268
----	--------	--------

7:	-0.774	-2.471
----	--------	--------

8:	0.085	-2.843
----	-------	--------

9:	0.992	-2.704
----	-------	--------

10:	1.386	-2.001
-----	-------	--------

X CENTROID: 0.148

Y CENTROID: -0.453

POA TO CENTROID: 0.477

HORZ SPREAD: 2.276

VERT SPREAD: 5.698

GROUP SPREAD: 5.795

MIN RADIUS: 0.692

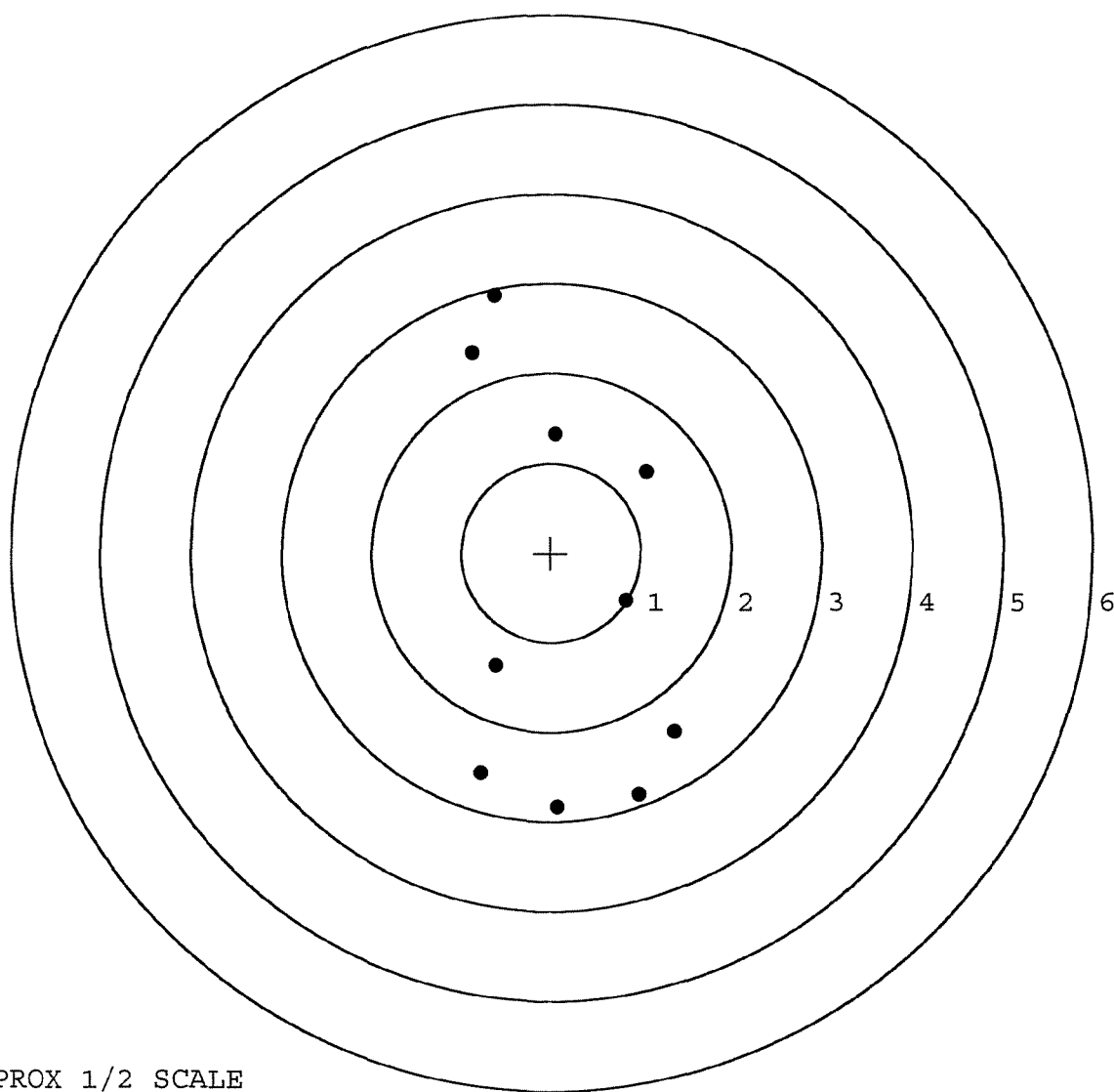
MAX RADIUS: 3.402

MEAN RADIUS: 2.047

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 1

in 3 IN DIAMETER: 2

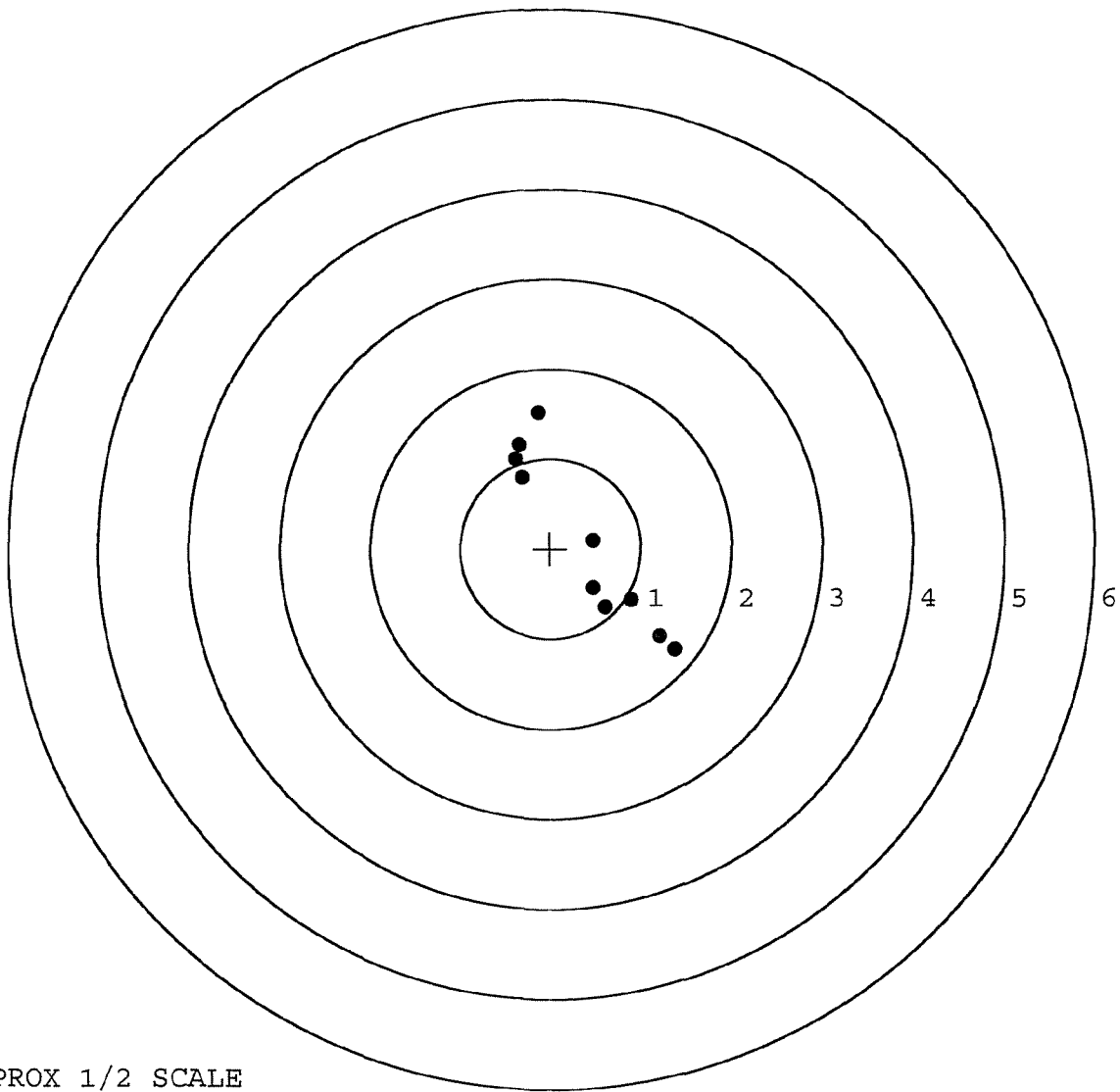


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594674.___0
TARGET NUMBER: 2
FILE DATE: 11/26/2001
FILE TIME: 02:42

X CENTROID: 0.384
Y CENTROID: 0.075
POA TO CENTROID: 0.391
HORZ SPREAD: 1.766
VERT SPREAD: 2.637
GROUP SPREAD: 3.039
MIN RADIUS: 0.088
MAX RADIUS: 1.556
MEAN RADIUS: 1.013
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.136	1.511
2:	-0.350	1.152
3:	-0.392	0.990
4:	-0.317	0.786
5:	0.471	0.088
6:	0.478	-0.444
7:	0.609	-0.659
8:	0.895	-0.574
9:	1.209	-0.974
10:	1.374	-1.126



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594674. 0

TARGET NUMBER: 3

FILE DATE: 11/26/2001

FILE TIME: 02:42

POINT#	X	Y
1:	-0.120	1.554
2:	0.413	1.303
3:	-0.779	-0.647
4:	-0.495	-0.788
5:	-0.251	-0.809
6:	0.033	-0.602
7:	0.132	-0.681
8:	0.182	-1.025
9:	0.431	-1.397
10:	0.501	-1.063

X CENTROID: 0.005

Y CENTROID: -0.415

POA TO CENTROID: 0.416

HORZ SPREAD: 1.280

VERT SPREAD: 2.951

GROUP SPREAD: 3.002

MIN RADIUS: 0.189

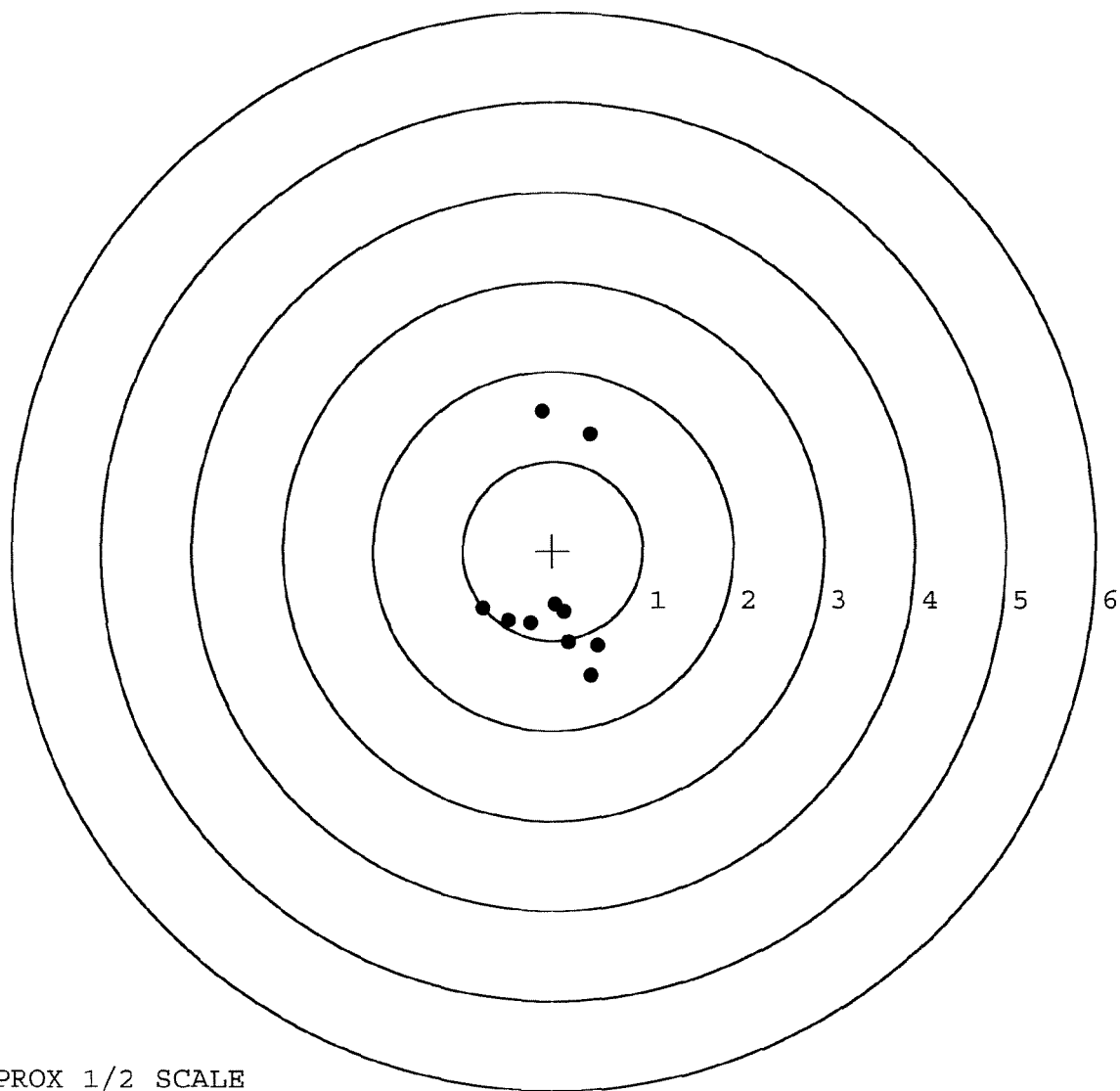
MAX RADIUS: 1.973

MEAN RADIUS: 0.865

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594674. __0

TARGET NUMBER: 4

FILE DATE: 11/26/2001

FILE TIME: 02:42

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

1:	0.259	5.299
----	-------	-------

2:	0.327	3.105
----	-------	-------

3:	-0.346	3.553
----	--------	-------

4:	-0.418	0.724
----	--------	-------

5:	0.433	0.678
----	-------	-------

6:	0.238	0.948
----	-------	-------

7:	-0.511	0.631
----	--------	-------

8:	0.386	0.334
----	-------	-------

9:	0.010	-0.076
----	-------	--------

10:	1.266	-0.643
-----	-------	--------

X CENTROID: 0.164

Y CENTROID: 1.455

POA TO CENTROID: 1.465

HORZ SPREAD: 1.777

VERT SPREAD: 5.942

GROUP SPREAD: 6.027

MIN RADIUS: 0.513

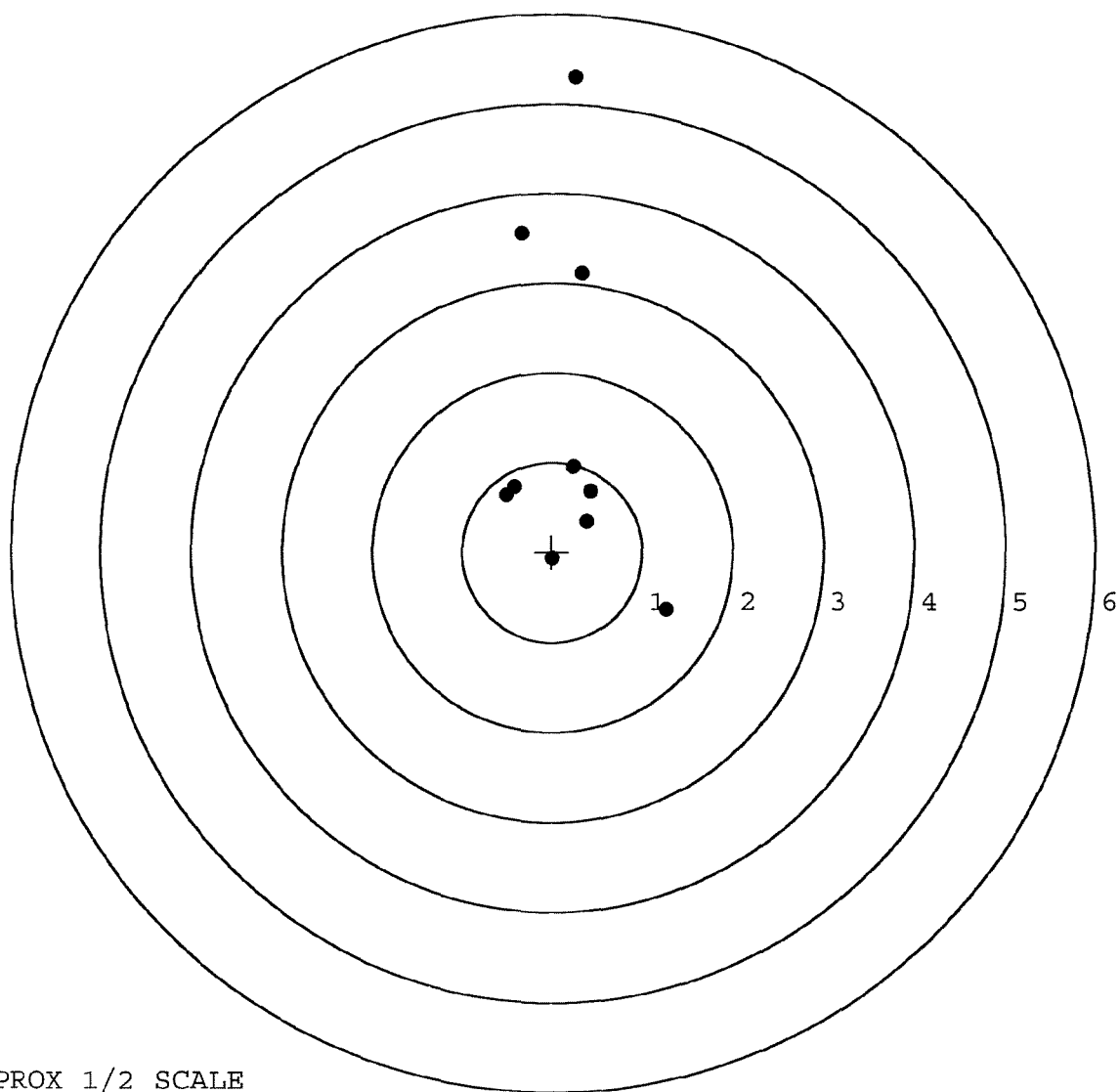
MAX RADIUS: 3.845

MEAN RADIUS: 1.605

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 5



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594674.___0

TARGET NUMBER: 5

FILE DATE: 11/26/2001

FILE TIME: 02:42

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

1:	-1.898	0.036
----	--------	-------

2:	-0.924	0.372
----	--------	-------

3:	-0.083	-0.040
----	--------	--------

4:	-0.980	1.161
----	--------	-------

5:	0.090	1.615
----	-------	-------

6:	-0.534	2.650
----	--------	-------

7:	-2.201	2.713
----	--------	-------

8:	-2.512	3.332
----	--------	-------

9:	-2.067	6.797
----	--------	-------

10:	-0.193	6.502
-----	--------	-------

X CENTROID: -1.130

Y CENTROID: 2.514

POA TO CENTROID: 2.756

HORZ SPREAD: 2.602

VERT SPREAD: 6.837

GROUP SPREAD: 7.119

MIN RADIUS: 0.612

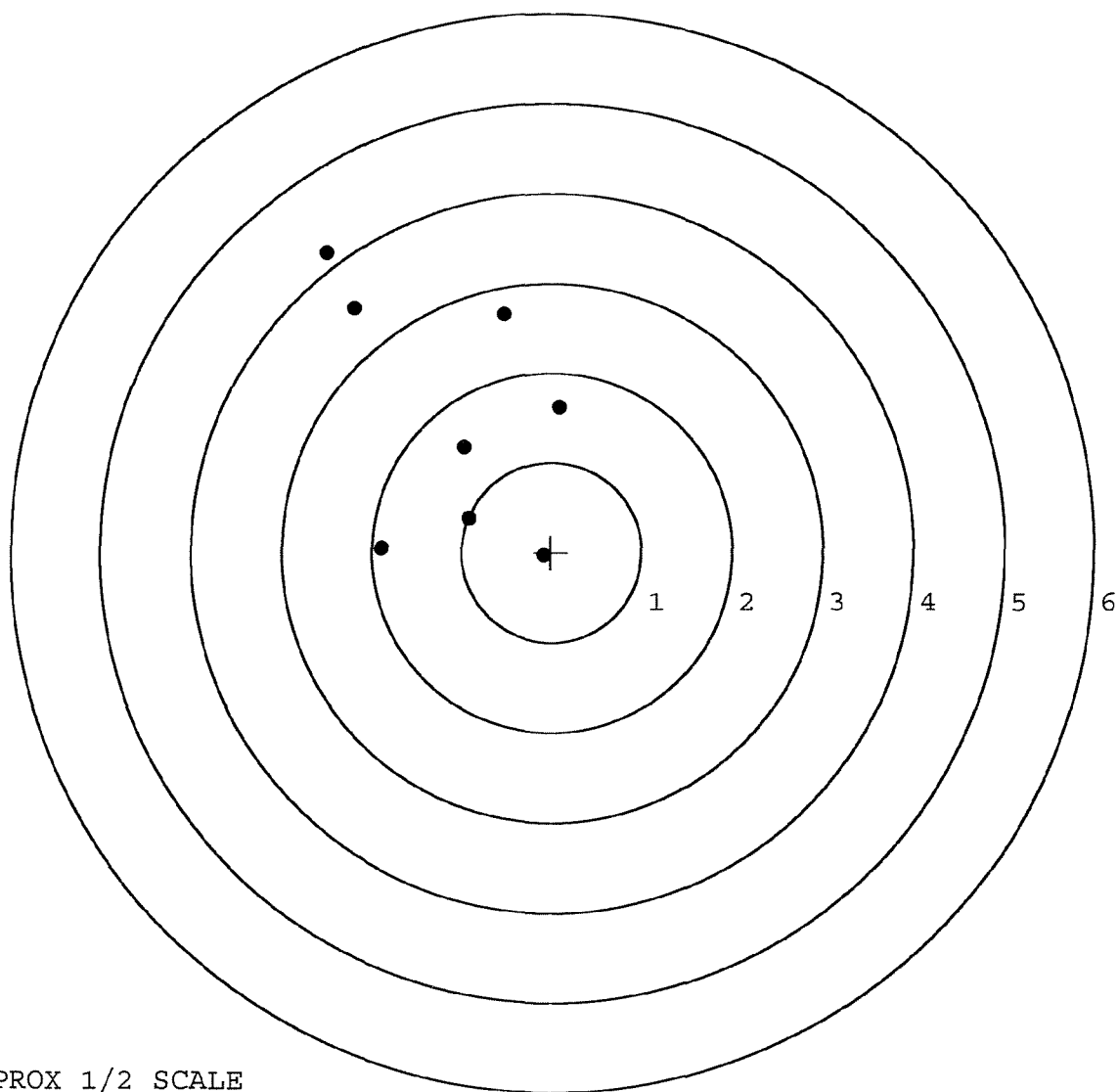
MAX RADIUS: 4.384

MEAN RADIUS: 2.217

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 1

in 3 IN DIAMETER: 3



TARGET APPROX 1/2 SCALE

Final Inspection

In: C694674

DATE REC'D: 11-1-01

DATE RET'D: 11-28-01

EDITOR: RJK

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: _____

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

R & E NUMBER <u>34889</u>			
SERIAL NUMBER <u>C659-4674</u>			
LOG-IN DATE <u>11-1-01</u>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-5-01	RK
560 A	RE-BARREL AT CUSTOM SHOP	11/6	BWT
B	DRILL AND TAP	11/7	BWT
C	POLISH	11-7-01	RW
575	ASSEMBLE	11-7-01	RW
600	PROOF	11-7-01	RW
605	CHECK HEADSPACE	11-7-01	RW
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX OPERATOR <u>DRS</u>		
615	ROLLMARK CALIBER	11/12	(A)
618	ROTO-BLAST	11/14	K
620	APPLY COATINGS	11-15	THA
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-28-01	EK
655	FINAL INSPECT	11-28-01	RK
660	PACK	11-28-01	DA
		SHIP DATE	
		QAR INSPECTION DATE	

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

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

MODEL 700™ M24

SERIAL NO.
 C6594674

ORDER NO.
 5716

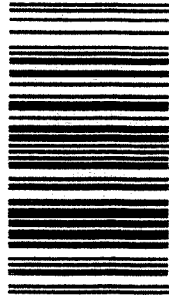
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6594674

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594674

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/27/90	K.S.
600	Proof		12/27/90	K.S.
607	Check Headspace		12/27/90	K.S.
610	Dis-assemble Gun		12/27/90	K.S.
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		1-7-91	KR
615	Rollmark Caliber		1-7-91	BL
617	Drill and Tap Sight Holes	1 1091		FB
618	Polish Barrel	1 1091		WB
620	Apply Coatings (Barrel Action)		1-26-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/11/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/11/91	KA
	C) Inspect Ejector Hole for Chamfer		2/11/91	KA
	D) Oil Firing Pin Ass'y		2/11/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/12/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			2/12/91	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/4			2/12/91	WB
	H) Trigger Pull Test & Retainability						2/12/91	JH
	I) Firing Pin Indent	.021	.0205	.0205			2/12/91	WB
	J) Assemble Stock						2/12/91	KH
	K) Assemble Swivel Studs						2-26-91	K
	L) Attach Front and Rear Sight Assemblies						2/12/91	KH
	M) Iron Sight Alignment						2/12/91	KH
	N) Detach Front & Rear Sights & place in numbered container						2/12/91	KH
	O) Attach Scope to Rifle						2/12/91	KH
	P) Detach & Attach Scope 20 Times						2/12/91	KH
640	Gallery Target & Test						2-13-91	AC
	A) Time						2-13-91	AC
	B) Malfunctions						2-13-91	AC
	C) Pierced Primers						2-13-91	AC
	D) Optical Clarity of Scope						2-13-91	AC
645	Inspect for Live Ammo						2-13-91	AC
655	Final Inspection							
	A) Headspace						2-26-91	K
	B) Trigger Pull	2.60	2.57	2.52	2.56	2.47	2/22/91	JH
	C) Function						2-26-91	K
660	Pack						3/14/91	WB

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6594674

DATE 2/12/91

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.46	2.43	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.29	2.33	2.57	
PULL #3	2.36	2.48	2.44	2.52	
PULL #4	2.35	2.21	2.46	2.56	
PULL #5	2.44	2.41	2.31	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.43		
PULL #2	3.26	3.44		
PULL #3	3.43	3.46		
PULL #4	3.42	3.45		
PULL #5	3.43	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.32		4.26
PULL #2	4.35	4.36		4.27
PULL #3	4.20	4.22		4.30
PULL #4	4.34	4.29		4.32
PULL #5	4.33	4.28		4.32
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594674
14 Feb 1991

CENTROIDAL DISTANCES

0 TO 1	.113952
1 TO 2	.502436
1 TO 3	.36967
1 TO 4	.0865332
1 TO 5	.258938

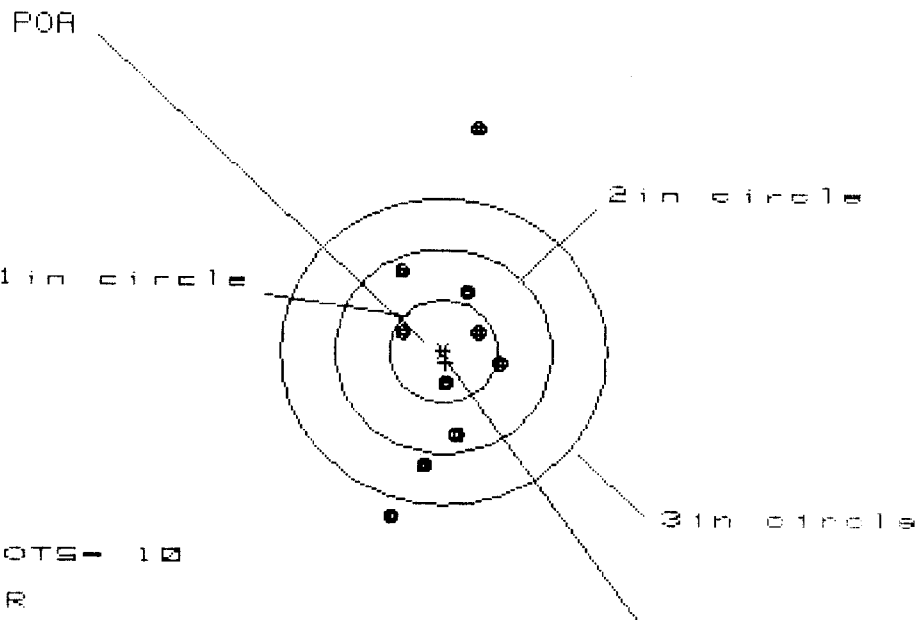
 ² <-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .007
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .061
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0614003
THE AMR FOR THIS RIFLE IS: .8348

Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594674

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 1.038

VS= 3.861

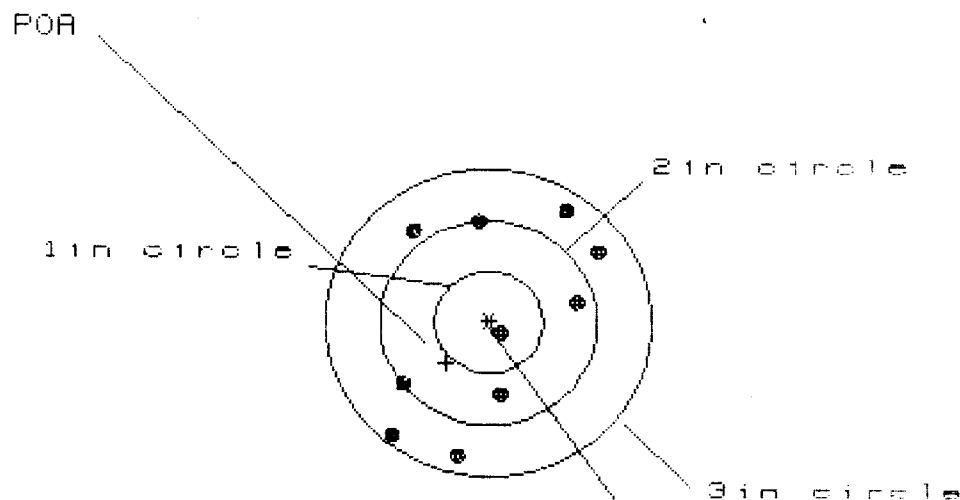
GS= 3.939

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.539	.570	.511
MINIMUM X	-.499	-.468	-.436
MAXIMUM Y	2.227	1.074	.901
MINIMUM Y	-1.634	-1.387	-1.014
CENTROID X	-.021	-.052	.007
CENTROID Y	.112	-.135	.038
POA TO CENTROID in.	.114	.145	.039
MIN RADIUS	.320	.080	.247
MEAN RADIUS	.917	.751	.648
MAX RADIUS	2.244	1.464	1.042
HORIZONTAL SPREAD	1.038	1.038	.947
VERTICAL SPREAD	3.861	2.461	1.915
EXTREME SPREAD	3.939	2.464	1.922
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 1

2in - 5

3in = 10

HS= 1.904

VS= 2.394

GS= 2.713

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.984	.882	.836
MINIMUM X	:	-.920	-.877	-.924
MAXIMUM Y	:	1.051	.925	.741
MINIMUM Y	:	-1.343	-1.469	-.964
CENTROID X	:	.390	.492	.539
CENTROID Y	:	.401	.527	.711
POA TO CENTROID in.	:	.559	.721	.892
MIN RADIUS	:	.167	.274	.462
MEAN RADIUS	:	1.007	.950	.871
MAX RADIUS	:	1.464	1.515	1.269
HORIZONTAL SPREAD	:	1.904	1.759	1.759
VERTICAL SPREAD	:	2.394	2.394	1.705
EXTREME SPREAD	:	2.713	2.576	2.178
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.134

VS= 1.992

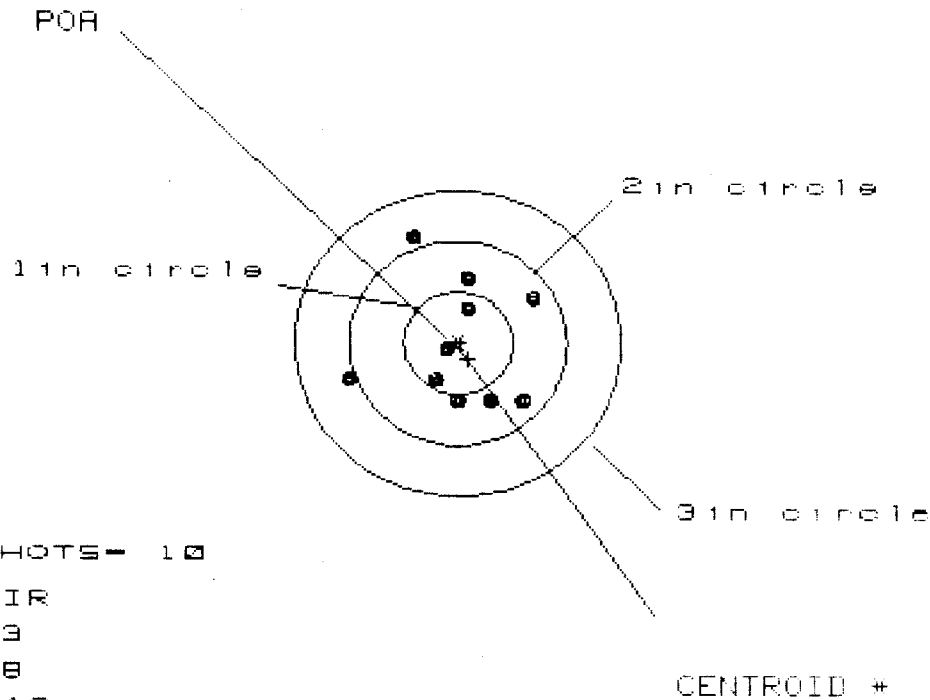
GS= 2.476

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.078	.961	.969
MINIMUM X	:	-1.056	-.993	-.985
MAXIMUM Y	:	1.258	1.177	.587
MINIMUM Y	:	-.734	-.799	-.652
CENTROID X	:	-.105	.012	.004
CENTROID Y	:	-.248	-.167	-.314
POA TO CENTROID in.	:	.270	.167	.314
MIN RADIUS	:	.321	.342	.206
MEAN RADIUS	:	.826	.762	.686
MAX RADIUS	:	1.286	1.179	1.133
HORIZONTAL SPREAD	:	2.134	1.954	1.954
VERTICAL SPREAD	:	1.992	1.976	1.239
EXTREME SPREAD	:	2.476	2.013	2.013
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.762

VS= 1.597

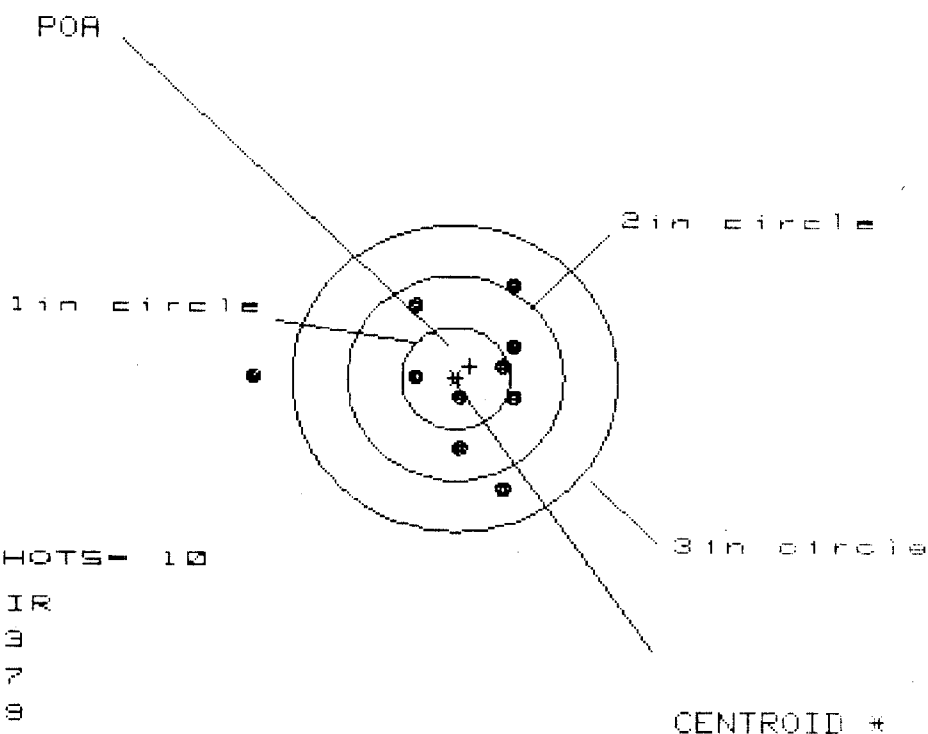
GS= 1.931

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.710	.659	.521
MINIMUM X	-1.052	-1.103	-.406
MAXIMUM Y	1.022	.751	.721
MINIMUM Y	-.575	-.462	-.492
CENTROID X	-.093	-.042	.096
CENTROID Y	.160	.047	.077
POA TO CENTROID in.	.185	.063	.122
MIN RADIUS	.145	.204	.330
MEAN RADIUS	.663	.602	.540
MAX RADIUS	1.118	1.128	.737
HORIZONTAL SPREAD	1.762	1.762	.928
VERTICAL SPREAD	1.597	1.213	1.213
EXTREME SPREAD	1.931	1.931	1.284
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 7

3 in - 9

HS= 2.353

VS= 2.024

GS= 2.489

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.536	.334	.360
MINIMUM X	:	-1.817	-.552	-.526
MAXIMUM Y	:	.899	.897	.757
MINIMUM Y	:	-1.125	-1.127	-.790
CENTROID X	:	-.136	.066	.040
CENTROID Y	:	-.120	-.118	.023
POA TO CENTROID in.	:	.181	.135	.046
MIN RADIUS	:	.147	.195	.281
MEAN RADIUS	:	.761	.612	.546
MAX RADIUS	:	1.817	1.146	.820
HORIZONTAL SPREAD	:	2.353	.886	.986
VERTICAL SPREAD	:	2.024	2.024	1.547
EXTREME SPREAD	:	2.489	2.026	1.619
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	

NUMBER IN THREE INCH CIRCLE =

9