

06594489

MODEL 700TM M24

Model **SWS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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: RE00131327

Serial: C6594489 Model M24 SWS Center Fire
Produced: 03/18/1991

Repairman:

Status:

Closed 7/12/2007 2:52:57 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

8:26 AM

CAPS

NUM

INS

SCRL

start

4 Microsoft Of...

5 Internet Exp...

6 Microsoft Off...

Arms Services R...

8:26 AM

Serial Number:

C6594489

Model: M24 SWS



RE00131327

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

DATE 7-12-07

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.50	2.80		2.44	
PULL #2	2.73	2.57		2.49	
PULL #3	2.55	2.46		2.50	
PULL #4	2.43	2.43		2.52	
PULL #5	2.43	2.41		2.45	
TOTAL	12.64	12.67		12.40	
AVERAGE	2.52	2.53		2.48	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.41		
PULL #2	3.21	3.35		
PULL #3	3.19	3.20		
PULL #4	3.23	3.20		
PULL #5	3.23	3.23		
TOTAL	16.06	16.39		
AVERAGE	3.21	3.27		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.35	4.40		4.30
PULL #2	4.38	4.35		4.27
PULL #3	4.33	4.35		4.29
PULL #4	4.35	4.39		4.31
PULL #5	4.37	4.26		4.30
TOTAL	21.78	21.75		21.47
AVERAGE	4.35	4.35		4.29

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594489.__0
FILE DATE AND TIME: 09/10/2007 10:01

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.081
The Average Y Centroid of the Five Target Set:	0.084
The Average Point of Impact of the Five Target Set:	0.116
The Average Mean Radius of the Five Target Set:	0.705
The Distance from POA to Centroid Target #1:	0.437
The Distance from Centroid Target #2 to Centroid Target #1:	0.501
The Distance from Centroid Target #3 to Centroid Target #1:	0.438
The Distance from Centroid Target #4 to Centroid Target #1:	0.419
The Distance from Centroid Target #5 to Centroid Target #1:	0.567

SERIAL NUMBER: C6594489. 0

TARGET NUMBER: 1

FILE DATE: 09/10/2007

FILE TIME: 10:01

X CENTROID: 0.072

Y CENTROID: 0.431

POA TO CENTROID: 0.437

HORZ SPREAD: 1.878

VERT SPREAD: 3.585

GROUP SPREAD: 3.832

MIN RADIUS: 0.143

MAX RADIUS: 2.309

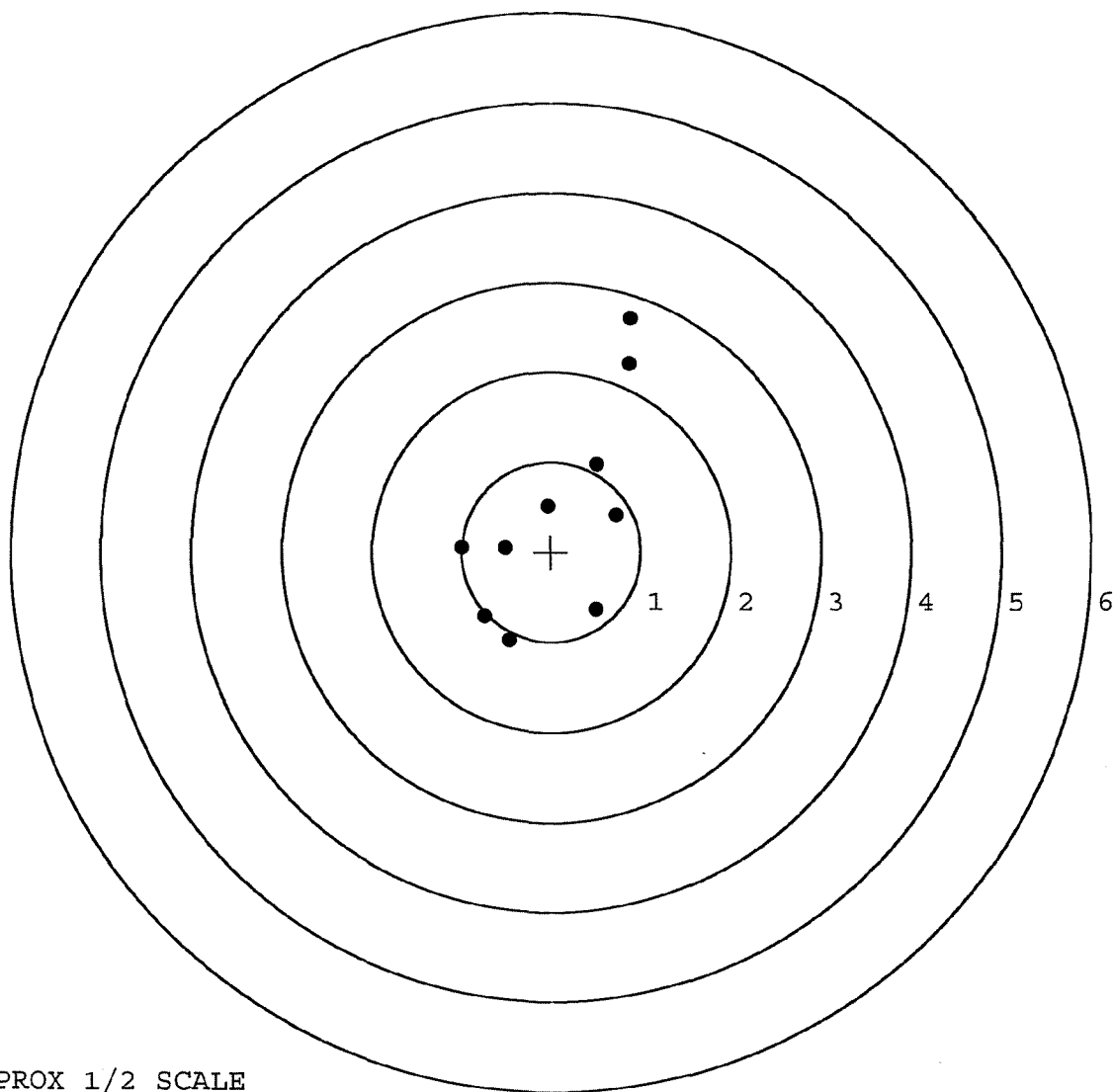
MEAN RADIUS: 1.157

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.506	-0.644
2:	0.721	0.412
3:	0.507	0.976
4:	-0.046	0.511
5:	-0.508	0.041
6:	-0.996	0.051
7:	-0.745	-0.723
8:	-0.471	-0.991
9:	0.873	2.087
10:	0.882	2.594



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594489. __0

TARGET NUMBER: 2

FILE DATE: 09/10/2007

FILE TIME: 10:01

X CENTROID: -0.104

Y CENTROID: -0.038

POA TO CENTROID: 0.111

HORZ SPREAD: 1.823

VERT SPREAD: 1.567

GROUP SPREAD: 2.239

MIN RADIUS: 0.288

MAX RADIUS: 1.339

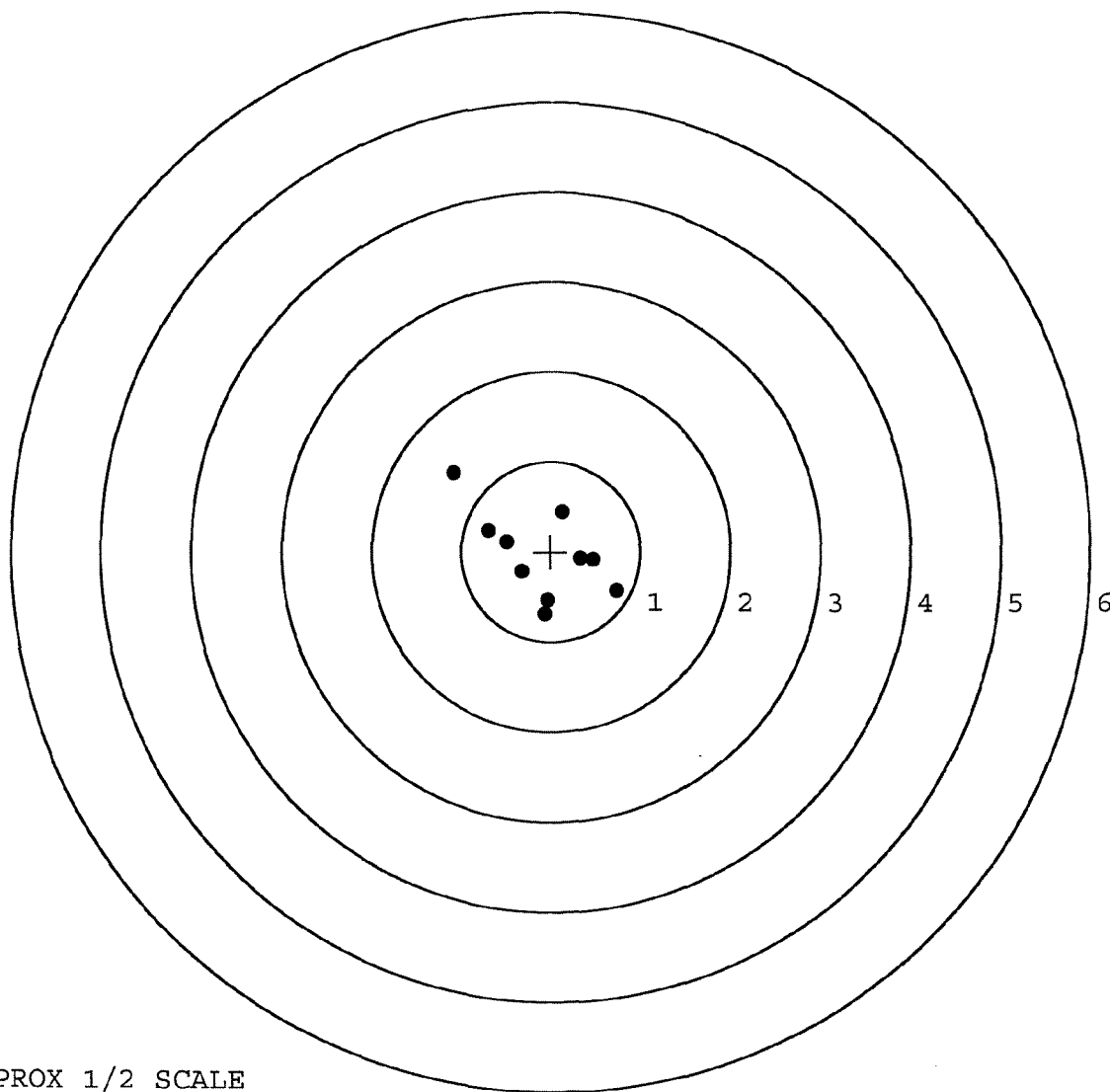
MEAN RADIUS: 0.637

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.735	-0.430
2:	0.476	-0.082
3:	0.339	-0.068
4:	0.132	0.443
5:	-0.073	-0.697
6:	-0.325	-0.222
7:	-0.499	0.112
8:	-0.704	0.237
9:	-1.088	0.870
10:	-0.034	-0.542



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594489. 0

TARGET NUMBER: 3

FILE DATE: 09/10/2007

FILE TIME: 10:01

X CENTROID: -0.098

Y CENTROID: 0.028

POA TO CENTROID: 0.102

HORZ SPREAD: 1.522

VERT SPREAD: 1.642

GROUP SPREAD: 1.666

MIN RADIUS: 0.106

MAX RADIUS: 0.973

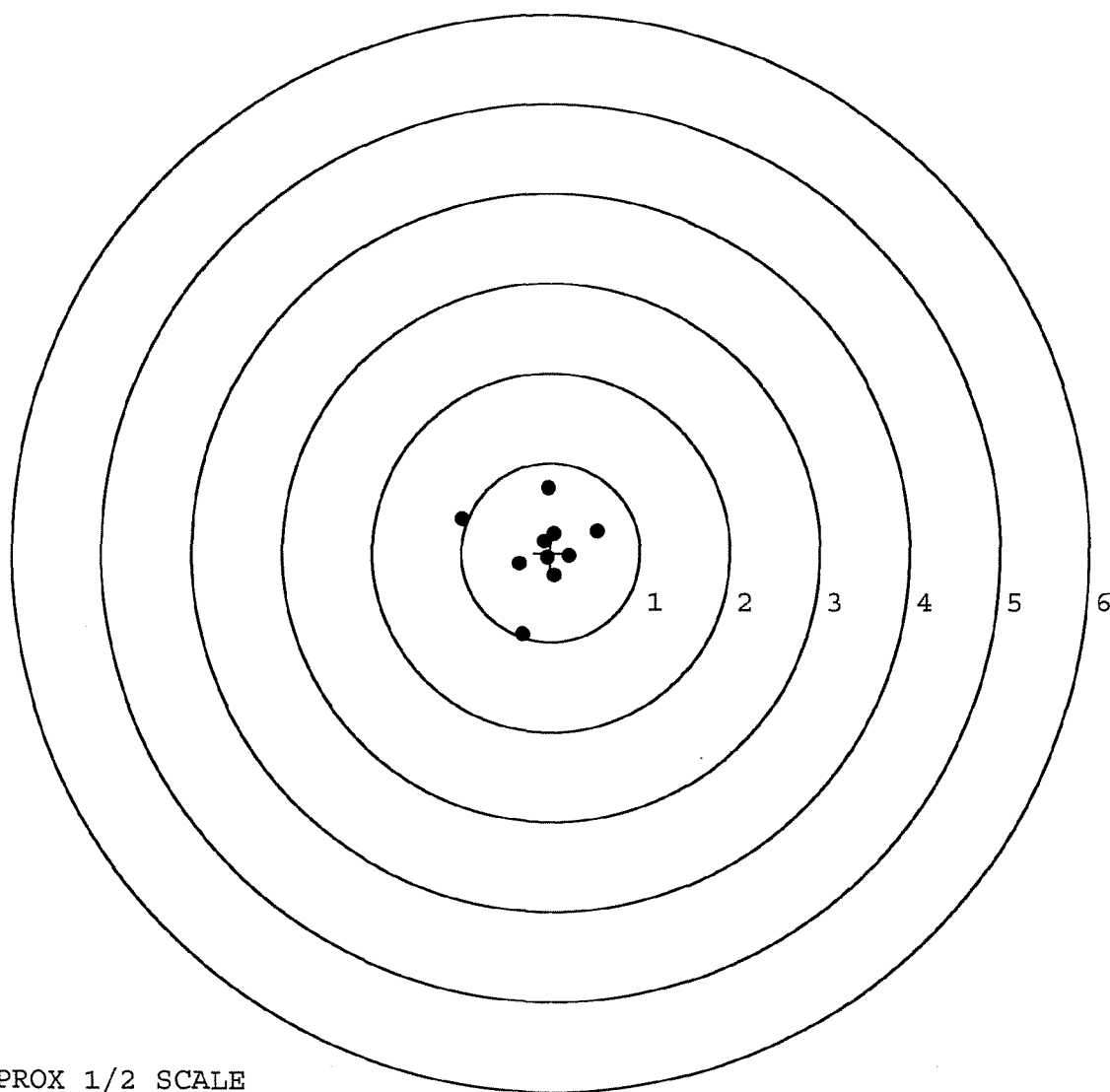
MEAN RADIUS: 0.467

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.523	0.241
2:	-0.031	0.721
3:	-0.999	0.374
4:	-0.314	-0.921
5:	-0.353	-0.129
6:	0.045	-0.256
7:	0.207	-0.040
8:	-0.036	-0.058
9:	-0.071	0.131
10:	0.044	0.218



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594489. 0

TARGET NUMBER: 4

FILE DATE: 09/10/2007

FILE TIME: 10:01

POINT#	X	Y
1:	-1.124	0.387
2:	0.152	0.954
3:	0.008	0.474
4:	-0.497	0.145
5:	-0.297	-0.152
6:	-0.001	-0.841
7:	0.616	-0.496
8:	0.238	-0.226
9:	0.498	-0.151
10:	0.353	0.100

X CENTROID: -0.005

Y CENTROID: 0.019

POA TO CENTROID: 0.020

HORZ SPREAD: 1.740

VERT SPREAD: 1.795

GROUP SPREAD: 1.951

MIN RADIUS: 0.338

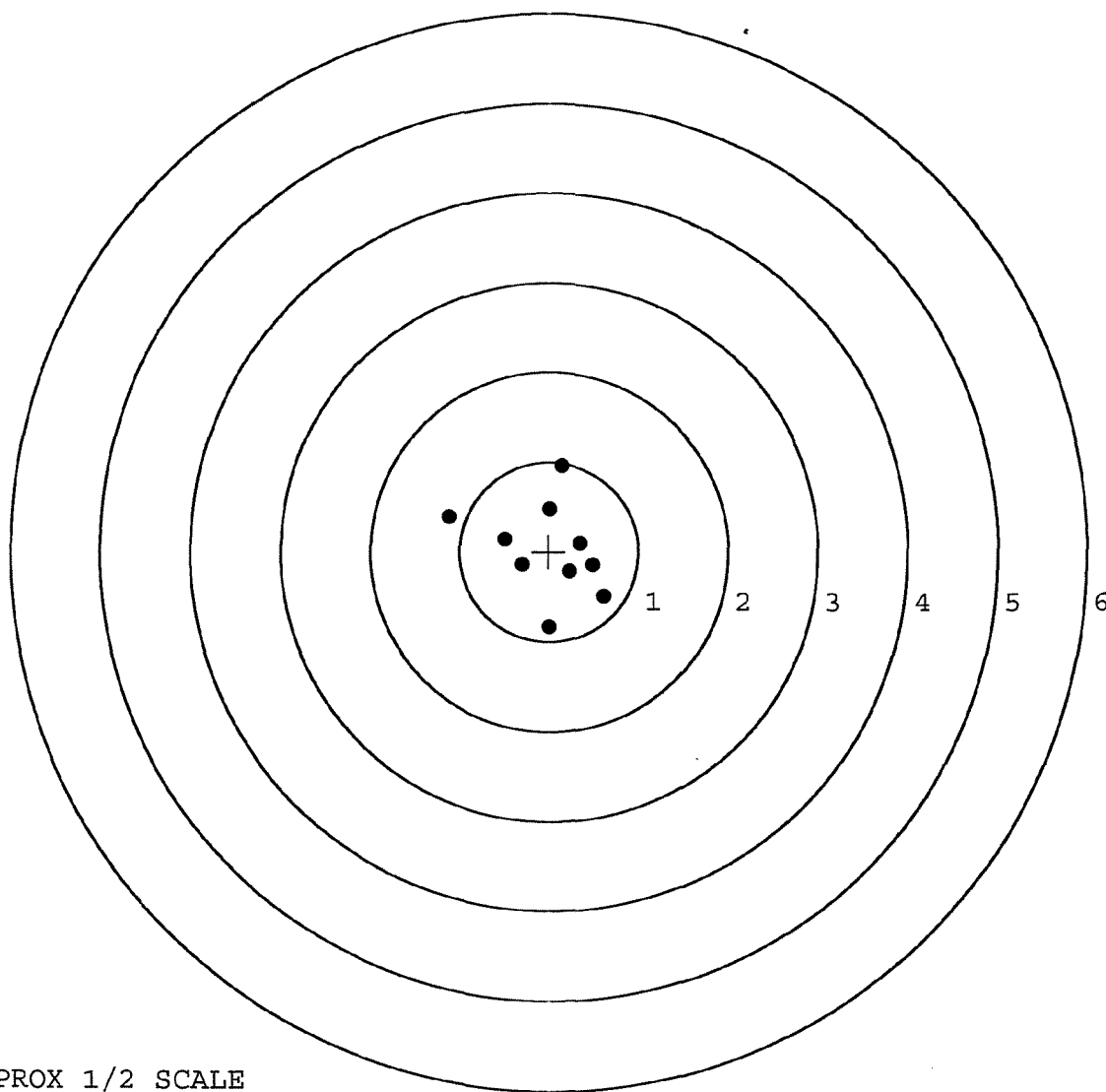
MAX RADIUS: 1.177

MEAN RADIUS: 0.634

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594489. 0

TARGET NUMBER: 5

FILE DATE: 09/10/2007

FILE TIME: 10:01

X CENTROID: -0.268

Y CENTROID: -0.022

POA TO CENTROID: 0.269

HORZ SPREAD: 1.945

VERT SPREAD: 1.681

GROUP SPREAD: 2.406

MIN RADIUS: 0.126

MAX RADIUS: 1.396

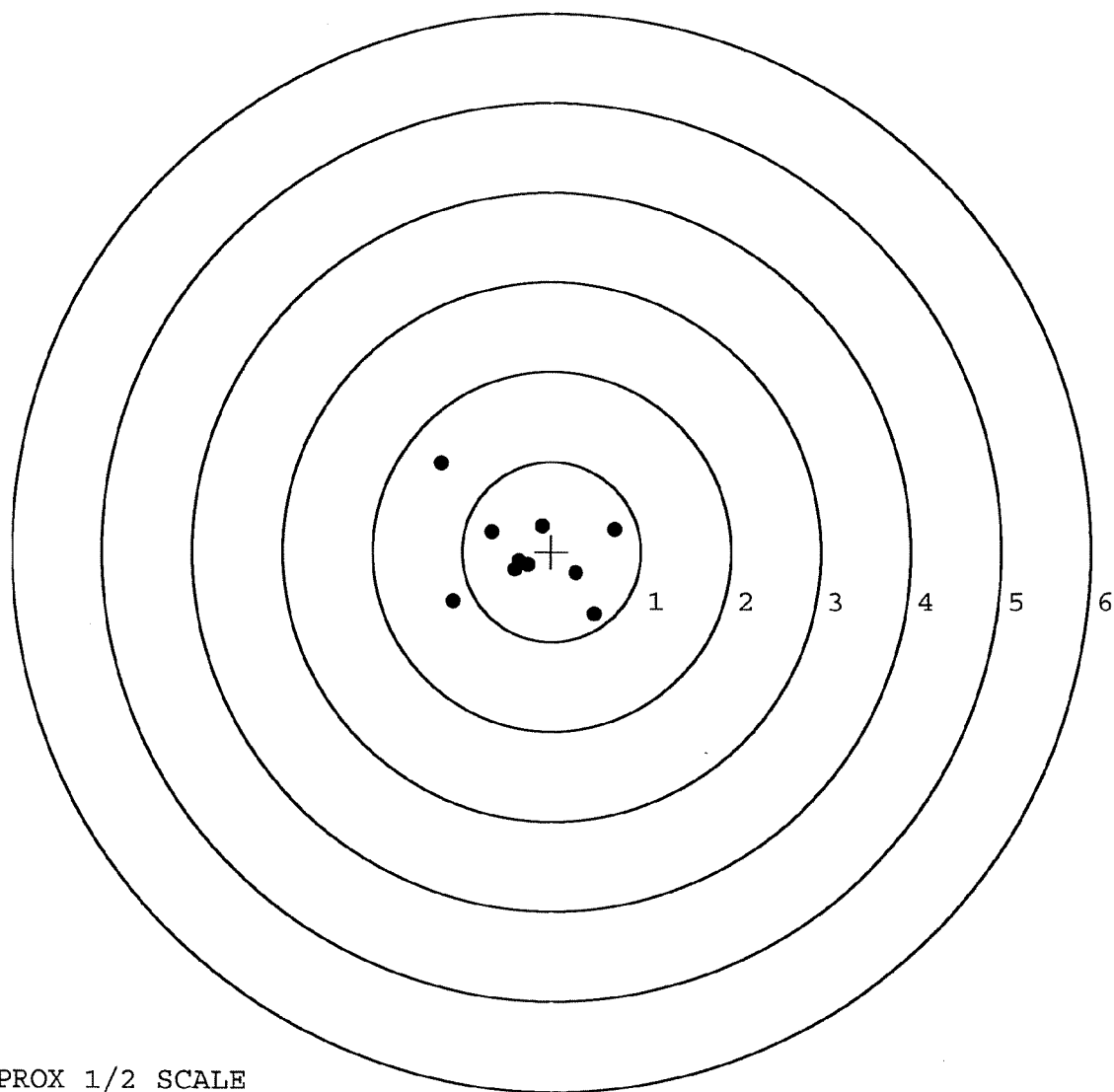
MEAN RADIUS: 0.631

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.486	-0.696
2:	0.710	0.251
3:	0.277	-0.246
4:	-0.103	0.281
5:	-0.264	-0.148
6:	-0.412	-0.201
7:	-0.366	-0.110
8:	-0.671	0.223
9:	-1.106	-0.559
10:	-1.235	0.985



TARGET APPROX 1/2 SCALE

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

R & E NUMBER <u>131327</u>	
SERIAL NUMBER <u>C6594489</u>	
LOG-IN DATE <u>4-7-07</u>	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-14-07	RTZ
505	RE-BARREL	8-15-07	RTZ
560	ASSEMBLE	8-20-07	RTZ
600	PROOF	8-23-07	non
605	CHECK HEADSPACE	8-23-07	8-23-07
610	DIS-ASSEMBLE GUN	8-25-07	RTZ
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	W
620	APPLY COATINGS	8/31/07	RB
625	FINAL ASSEMBLY	9-8-07	RTZ
640	FUNCTION TEST AND	9-10-07	TRW
650	TARGET	9-10-07	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-10-07	DK
	A) HEADSPACE	9-10-07	TRW
	B) TRIGGER PULL	2.92 2.92 2.88 2.91 2.92 9-10-07	RTZ
680	F) SAFETY ON FORCE	6.50 7.0 7.25 9/10/07	non
	G) SAFETY OFF FORCE	4.75 4.75 4.5 9/10/07	non
690	I) FIRING PIN INDENT	.002 .002 .002 9/10/07	non
	PACK	9-12-07	BA

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: **RE00036616** Serial: C6594489 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOG 9 of 10 Repairman: Status: Closed 11/30/01 10:20:37 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 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

Repair Search Refresh Close

maglet 11/30/01 11:12 AM CAPS NUM INS SERL

Start [Icons] 11:12 AM

Serial Number: **C6594489**

Model: **700**



RE00036616

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

R & E NUMBER 316016			
SERIAL NUMBER 0659 4489			
LOG-IN DATE 11-30-89			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-1-01	RH
560 A	RE-BARREL AT CUSTOM SHOP	12/3/01	BWT
B	DRILL AND TAP	12/3/01	BWT
C	POLISH	12-4-01	RH
575	ASSEMBLE	12-4-01	RH
600	PROOF	12-4-01	RH
605	CHECK HEADSPACE	12-4-01	RH
610	DIS-ASSEMBLE GUN	12-4-01	RH
612	MAGNAFLUX		RH
615	ROLLMARK CALIBER	12-4-01	RH
618	ROTO-BLAST	12-7-01	RH
620	APPLY COATINGS	12-10-01	RH
625 A	FINAL ASSEMBLY	12-12-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12/16/01	RH
655	FINAL INSPECT	12-18-01	RH
660	PACK		
		SHIP DATE	
		QAR INSPECTION DATE	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

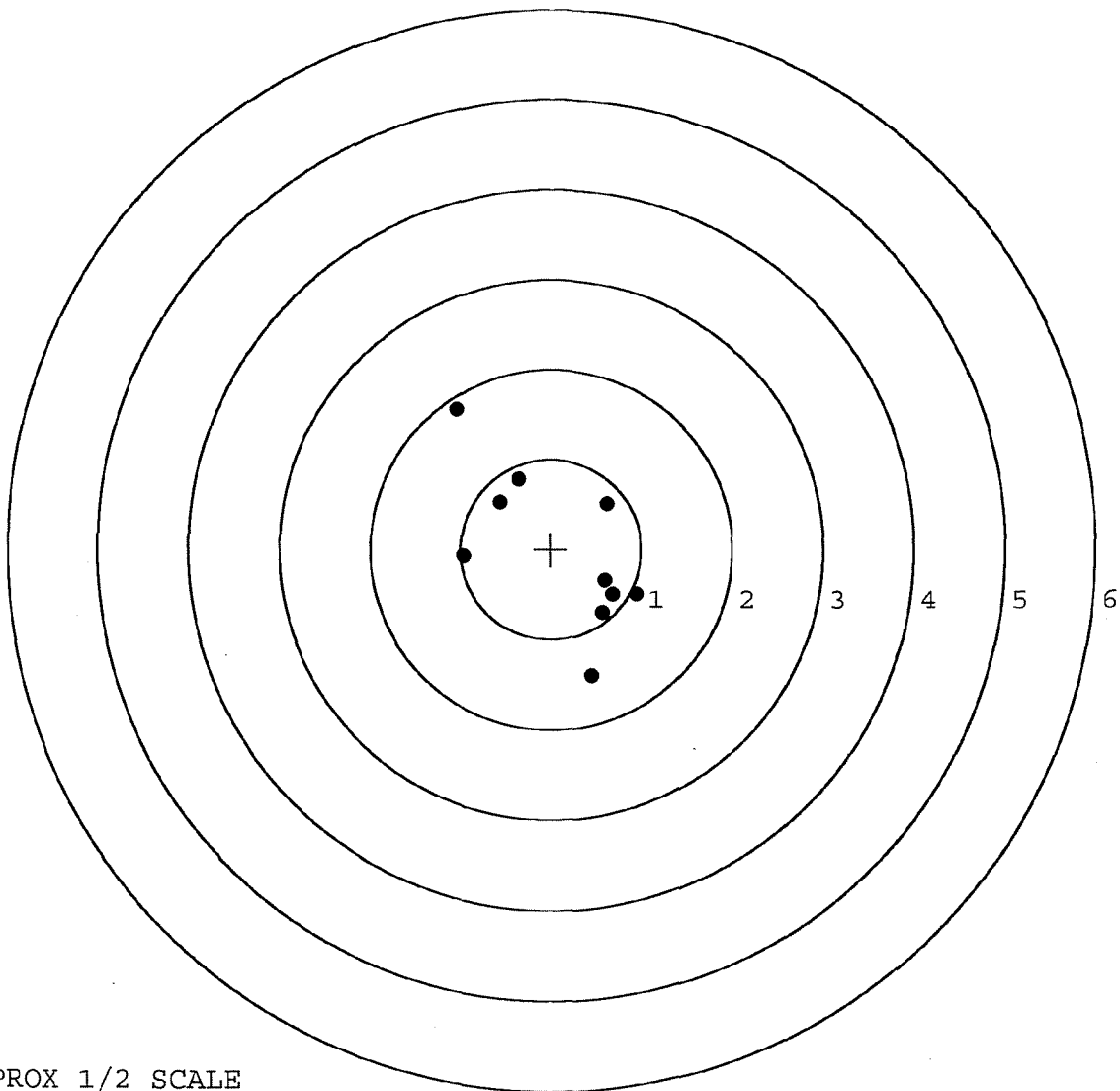
FIREARM SERIAL NUMBER / DATASET NAME: C6594489.___0
FILE DATE AND TIME: 12/16/2001 03:56

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.006
The Average Y Centroid of the Five Target Set:	-0.003
The Average Point of Impact of the Five Target Set:	0.007
The Average Mean Radius of the Five Target Set:	0.700
The Distance from POA to Centroid Target #1:	0.099
The Distance from Centroid Target #2 to Centroid Target #1:	0.045
The Distance from Centroid Target #3 to Centroid Target #1:	0.093
The Distance from Centroid Target #4 to Centroid Target #1:	0.261
The Distance from Centroid Target #5 to Centroid Target #1:	0.156

SERIAL NUMBER: C6594489. __0
TARGET NUMBER: 1
FILE DATE: 12/16/2001
FILE TIME: 03:56

	POINT#	X	Y
X CENTROID:	1:	0.460	-1.405
Y CENTROID:	2:	0.578	-0.703
POA TO CENTROID:	3:	0.951	-0.499
HORZ SPREAD:	4:	0.605	-0.346
VERT SPREAD:	5:	0.626	0.508
GROUP SPREAD:	6:	-0.358	0.778
MIN RADIUS:	7:	-0.566	0.525
MAX RADIUS:	8:	-0.966	-0.079
MEAN RADIUS:	9:	-1.050	1.550
# IN 1 IN DIAMETER:	10:	0.691	-0.498
# IN 2 IN DIAMETER:			
# in 3 IN DIAMETER:			



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594489. 0

TARGET NUMBER: 2

FILE DATE: 12/16/2001

FILE TIME: 03:56

X CENTROID: 0.061

Y CENTROID: 0.010

POA TO CENTROID: 0.062

HORZ SPREAD: 1.577

VERT SPREAD: 2.271

GROUP SPREAD: 2.435

MIN RADIUS: 0.321

MAX RADIUS: 1.242

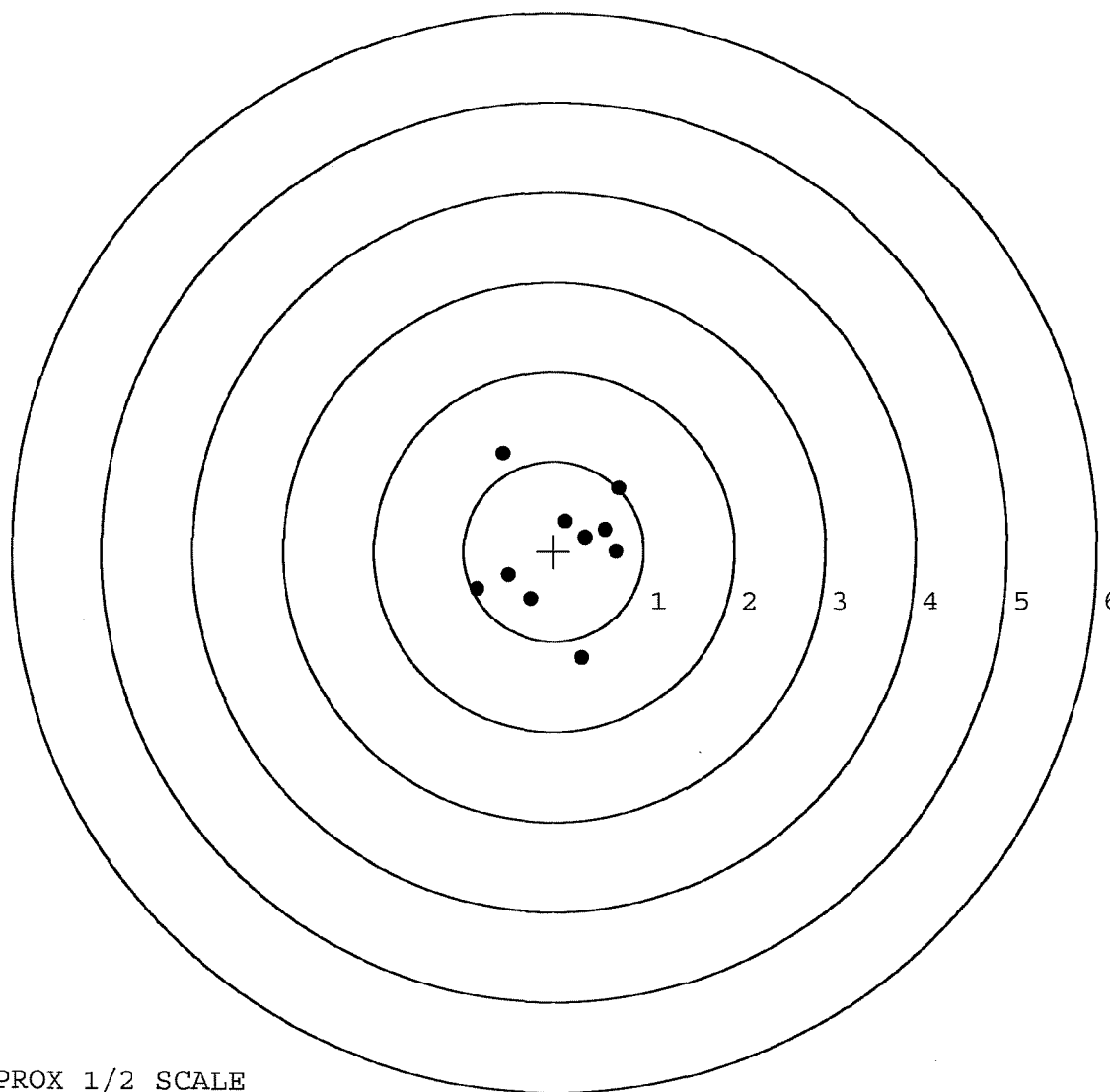
MEAN RADIUS: 0.754

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.317	-1.186
2:	-0.256	-0.529
3:	-0.504	-0.273
4:	-0.852	-0.425
5:	-0.562	1.085
6:	0.130	0.334
7:	0.725	0.703
8:	0.700	0.001
9:	0.348	0.154
10:	0.567	0.241



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594489. __0

TARGET NUMBER: 3

FILE DATE: 12/16/2001

FILE TIME: 03:56

POINT#	X	Y
1:	-0.482	0.717
2:	0.051	0.454
3:	-0.271	-0.068
4:	-0.239	-0.580
5:	-0.002	-0.446
6:	0.129	-0.365
7:	-0.071	0.038
8:	0.615	0.016
9:	0.500	-0.359
10:	-0.167	0.235

X CENTROID: 0.006

Y CENTROID: -0.036

POA TO CENTROID: 0.036

HORZ SPREAD: 1.097

VERT SPREAD: 1.297

GROUP SPREAD: 1.457

MIN RADIUS: 0.107

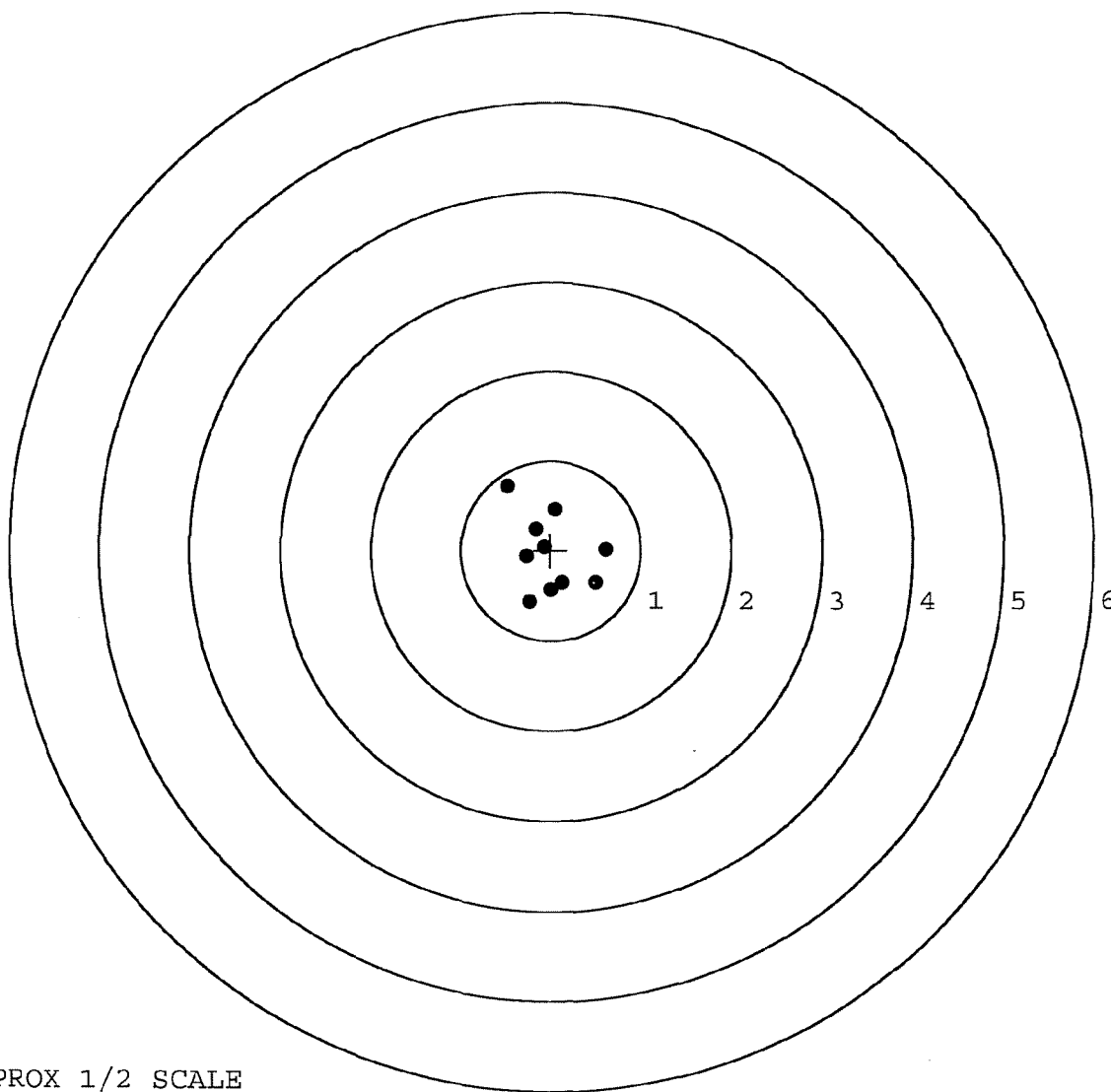
MAX RADIUS: 0.897

MEAN RADIUS: 0.466

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594489. 0

TARGET NUMBER: 4

FILE DATE: 12/16/2001

FILE TIME: 03:56

POINT#	X	Y
1:	-0.317	-0.353
2:	-0.566	0.107
3:	-1.048	0.439
4:	-0.129	0.600
5:	-0.021	0.362
6:	0.252	0.227
7:	0.432	-0.016
8:	0.739	-0.296
9:	0.413	-0.613
10:	-1.169	0.426

X CENTROID: -0.141

Y CENTROID: 0.088

POA TO CENTROID: 0.167

HORZ SPREAD: 1.908

VERT SPREAD: 1.213

GROUP SPREAD: 2.040

MIN RADIUS: 0.299

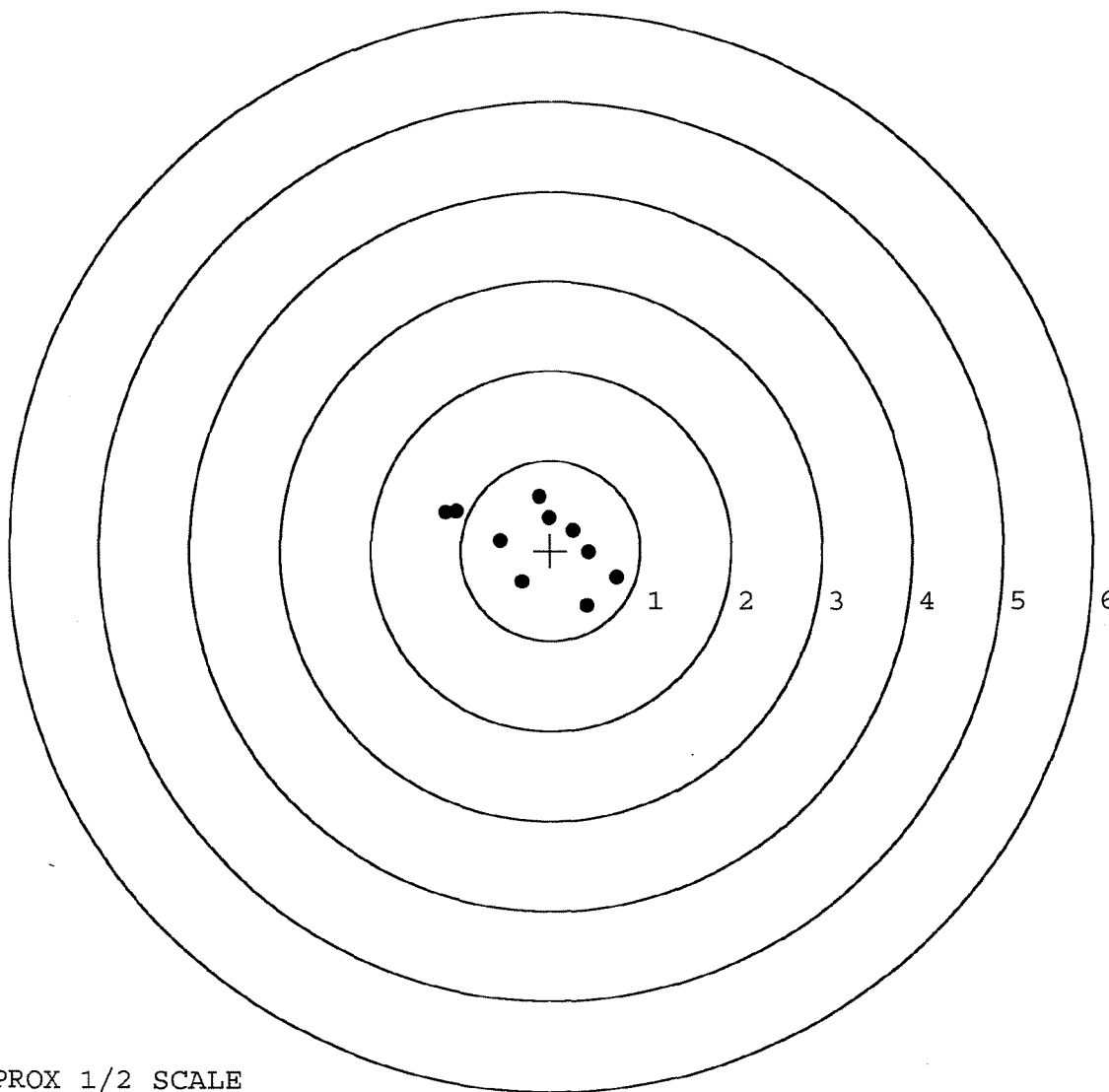
MAX RADIUS: 1.082

MEAN RADIUS: 0.662

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

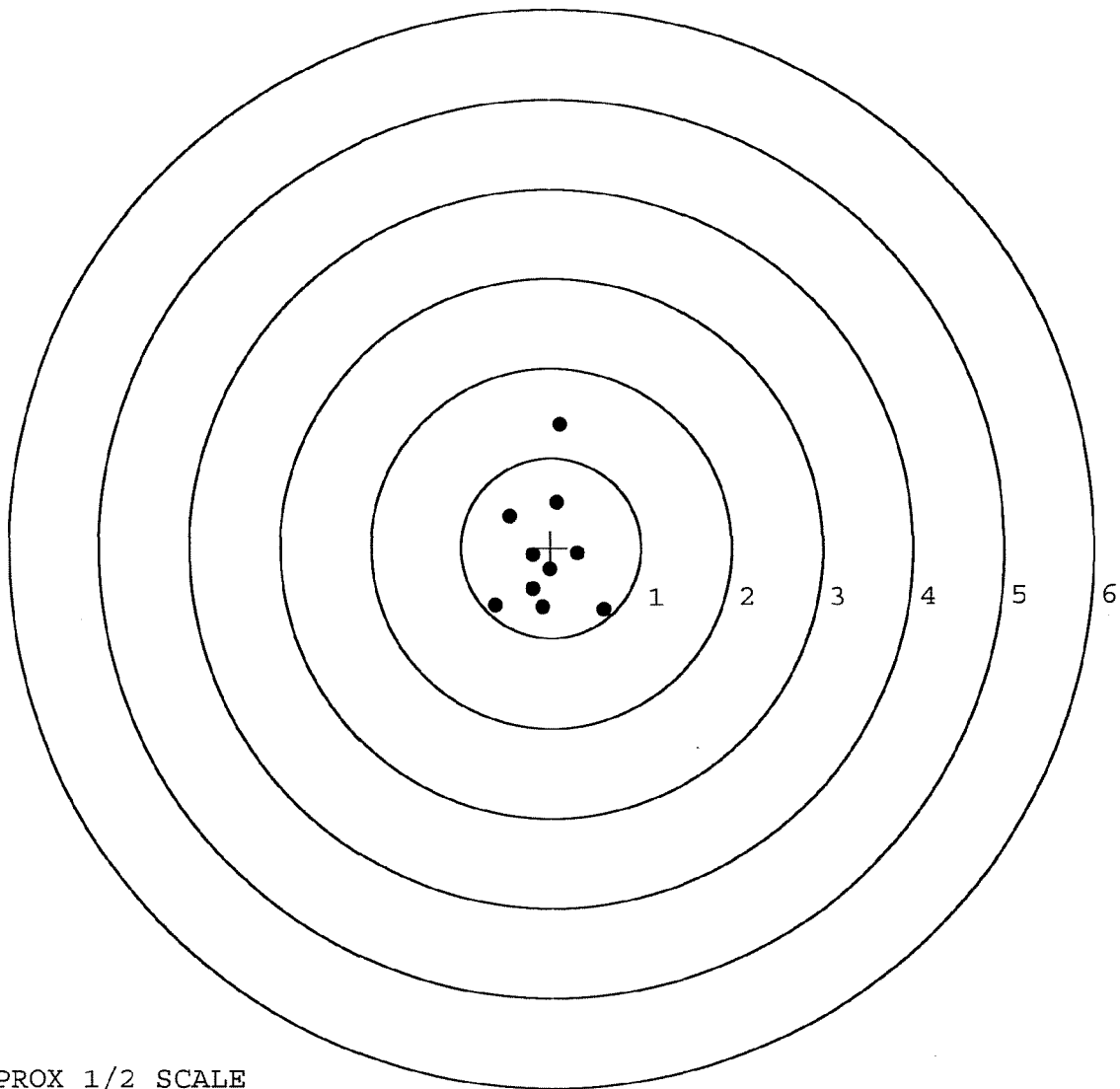


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594489. __0
TARGET NUMBER: 5
FILE DATE: 12/16/2001
FILE TIME: 03:56

X CENTROID: -0.052
Y CENTROID: -0.062
POA TO CENTROID: 0.081
HORZ SPREAD: 1.216
VERT SPREAD: 2.072
GROUP SPREAD: 2.152
MIN RADIUS: 0.155
MAX RADIUS: 1.450
MEAN RADIUS: 0.604
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.626	-0.642
2:	0.590	-0.693
3:	-0.449	0.347
4:	0.113	1.379
5:	0.075	0.505
6:	0.300	-0.065
7:	-0.205	-0.084
8:	-0.203	-0.461
9:	-0.098	-0.662
10:	-0.015	-0.242



TARGET APPROX 1/2 SCALE

Remington®

MODEL 700™ H24

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

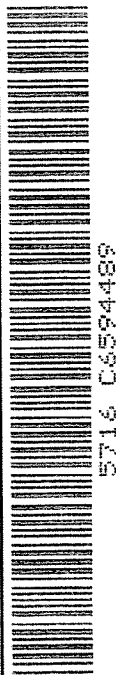
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6594489

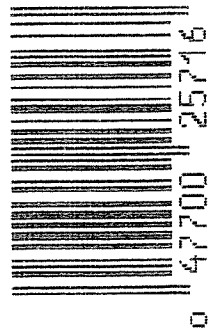
ORDER NO.
5716

20

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



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594489

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		11/2/90	KCR
	Magnaflux Bolt		11/2/90	WCR
615	Rollmark Caliber		11/2/90	CS
617	Drill and Tap Sight Holes		11/5/90	LB
618	Polish Barrel <i>LB</i>		11/6/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	AA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/28/90	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/28/90	K.S.
	C) Inspect Ejector Hole for Chamfer		12/28/90	K.S.
	D) Oil Firing Pin Ass'y		12/28/90	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		1.3.91	JM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.25	4.0	4.0				
	G) Safety Off Force	3.25	3.25	3.25				
	H) Trigger Pull Test & Retainability						1-3-91	JG
	I) Firing Pin Indent	.020	.021	.021			1/2/91	RJ
	J) Assemble Stock						1-16-91	KS
	K) Assemble Swivel Studs						2-1-91	K
	L) Attach Front and Rear Sight Assemblies						1-16-91	KS
	M) Iron Sight Alignment						1-16-91	KS
	N) Detach Front & Rear Sights & place in numbered container						1-16-91	KS
	O) Attach Scope to Rifle						1-16-91	KS
	P) Detach & Attach Scope 20 Times						1-16-91	KS
640	Gallery Target & Test						1-17-91	AC
	A) Time						1-17-91	AC
	B) Malfunctions						1-17-91	AC
	C) Pierced Primers						1-17-91	AC
	D) Optical Clarity of Scope						1-17-91	AC
645	Inspect for Live Ammo						1-17-91	AC
655	Final Inspection							
	A) Headspace						2-1-91	K
	B) Trigger Pull	2.49	2.31	2.24	2.32	2.24	1-23-91	JG
	C) Function						2-1-91	AC
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. C6594489

DATE 1-3-91

TESTER JJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.43	2.43	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.48	2.49	2.31	
PULL #3	2.37	2.45	2.20	2.24	
PULL #4	2.41	2.44	2.30	2.32	
PULL #5	2.45	2.50	2.22	2.24	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.39		
PULL #2	3.40	3.38		
PULL #3	3.39	3.36		
PULL #4	3.35	3.36		
PULL #5	3.21	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.34		4.26
PULL #2	4.12	4.20		4.23
PULL #3	4.37	4.18		4.41
PULL #4	4.46	4.39		4.33
PULL #5	4.29	4.44		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594489
18 Jan 1991

CENTROIDAL DISTANCES

0 TO 1	.210924
1 TO 2	.13132
1 TO 3	.408541
1 TO 4	.391005
1 TO 5	.287618

AS <----POA

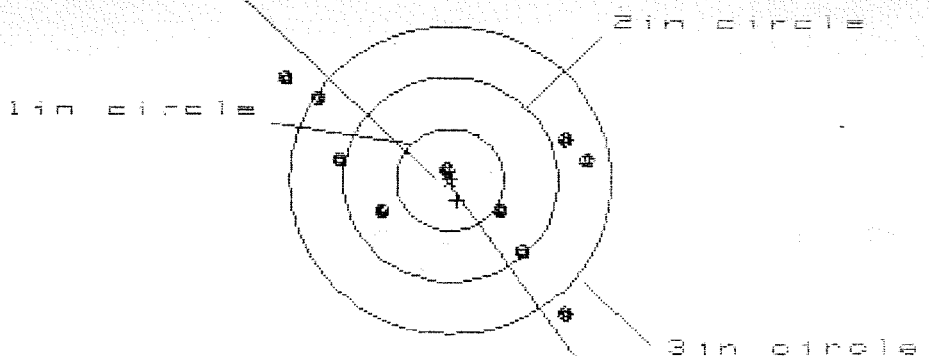
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0028
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .039
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0391094
THE AMR FOR THIS RIFLE IS: .8778

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C65944B9

CENTERFIRE PATTERNS # 1

POA



OF SHOTS - 10

IN CIR

1 in - 1

2 in - 4

3 in - 5

HS = 2.803

VS = 2.277

GS = 3.407

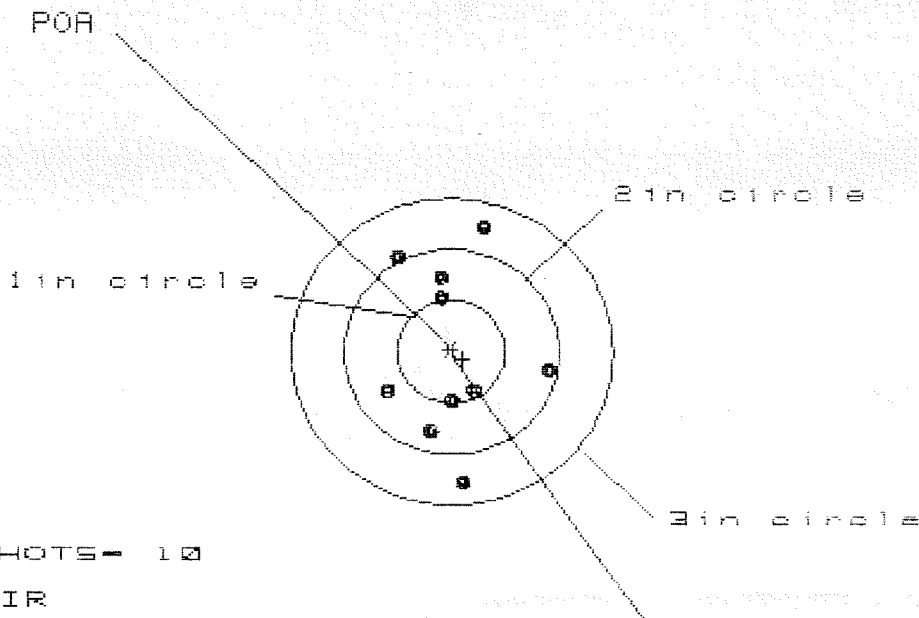
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.304	1.137	1.246
MINIMUM X	-1.499	-1.406	-1.297
MAXIMUM Y	.975	.864	.715
MINIMUM Y	-1.302	-1.194	-1.732
CENTROID X	-.067	.100	-.009
CENTROID Y	.200	.092	.241
POA TO CENTROID in.	.211	.136	.241
MIN RADIUS	.138	.328	.150
MEAN RADIUS	1.081	.987	.919
MAX RADIUS	1.788	1.650	1.481
HORIZONTAL SPREAD	2.803	2.543	2.543
VERTICAL SPREAD	2.277	2.058	1.447
EXTREME SPREAD	3.407	3.067	2.605
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	5		

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C85944B3

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 7

3 in - 10

HS = 1.474

VS = 2.489

GS = 2.489

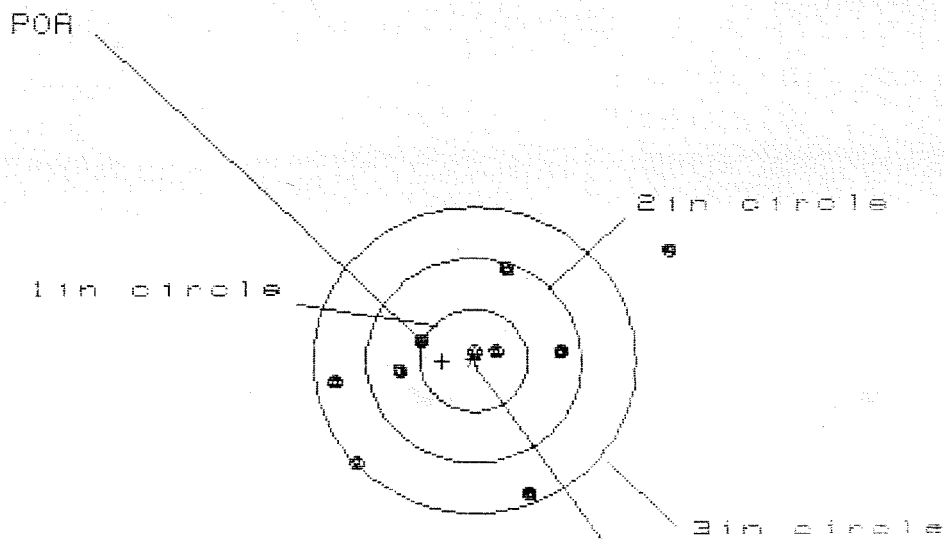
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.899	.932	.944
MINIMUM X	:	-.575	-.542	-.530
MAXIMUM Y	:	1.248	1.058	.920
MINIMUM Y	:	-1.241	-1.102	-.782
CENTROID X	:	-.104	-.137	-.149
CENTROID Y	:	.074	-.065	.073
POA TO CENTROID in.	:	.128	.152	.166
MIN RADIUS	:	.429	.331	.456
MEAN RADIUS	:	.809	.735	.694
MAX RADIUS	:	1.283	1.165	1.036
HORIZONTAL SPREAD	:	1.474	1.474	1.474
VERTICAL SPREAD	:	2.489	2.160	1.702
EXTREME SPREAD	:	2.499	2.238	1.805
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in - 2

2in - 6

3in - 8

HS - 3.103

VS - 2.344

GS - 3.609

CENTROID #

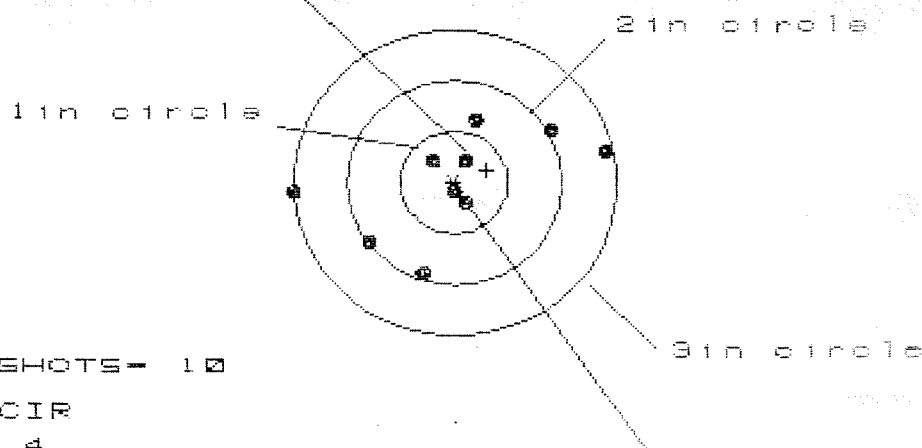
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.822	.981	.885
MINIMUM X	:	-1.201	-1.079	-1.195
MAXIMUM Y	:	1.089	1.030	.921
MINIMUM Y	:	-1.255	-1.134	-1.243
CENTROID X	:	.292	.090	.206
CENTROID Y	:	.005	-.116	-.007
POA TO CENTROID in.	:	.292	.146	.206
MIN RADIUS	:	.148	.308	.161
MEAN RADIUS	:	.970	.846	.760
MAX RADIUS	:	2.122	1.358	1.393
HORIZONTAL SPREAD	:	3.103	2.060	2.060
VERTICAL SPREAD	:	2.344	2.164	2.164
EXTREME SPREAD	:	3.609	2.361	2.180
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4

POA



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 10

HS= 2.852

VS= 1.515

GS= 2.880

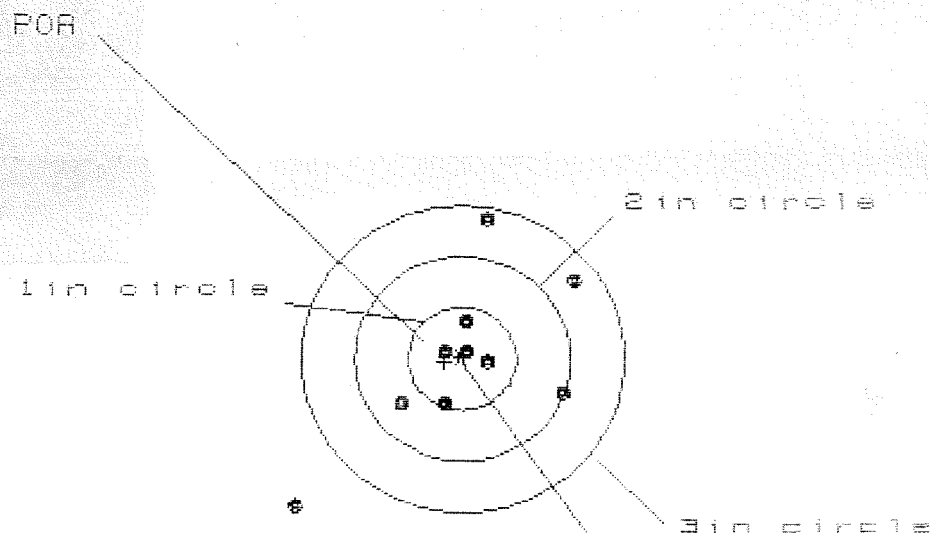
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.386	1.223	.888
MINIMUM X	:	-1.466	-.954	-.881
MAXIMUM Y	:	.599	.591	.632
MINIMUM Y	:	-.916	-.924	-.883
CENTROID X	:	-.388	-.137	-.298
CENTROID Y	:	-.114	-.106	-.147
POA TO CENTROID in.	:	.321	.173	.325
MIN RADIUS	:	.044	.158	.009
MEAN RADIUS	:	.736	.662	.556
MAX RADIUS	:	1.468	1.266	1.042
HORIZONTAL SPREAD	:	2.852	2.177	1.689
VERTICAL SPREAD	:	1.515	1.515	1.515
EXTREME SPREAD	:	2.880	2.378	2.035
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Jan 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 5

2 in = 6

3 in = 9

HS= 2.675

VS= 2.805

GS= 3.447

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.079	.902	.904
MINIMUM X	:	-1.596	-.730	-.728
MAXIMUM Y	:	1.370	1.210	.730
MINIMUM Y	:	-1.435	-.605	-.454
CENTROID X	:	.165	.342	.340
CENTROID Y	:	.030	.190	.039
POA TO CENTROID in.	:	.168	.391	.342
MIN RADIUS	:	.093	.171	.061
MEAN RADIUS	:	.793	.650	.556
MAX RADIUS	:	2.146	1.210	1.162
HORIZONTAL SPREAD	:	2.675	1.632	1.632
VERTICAL SPREAD	:	2.805	1.815	1.184
EXTREME SPREAD	:	3.447	2.000	2.000
NUMBER IN ONE INCH CIRCLE =			5	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	