

06594594

MODEL 700TM N24

Model **SMS** 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: RE00127458

Serial: C6594594 Model M24 SWS Center Fire
Caliber: 308 WIN

Repairman:

Verify Repair

Status:

Closed 3/30/2007 10:09:15 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: CO C1ST / 20TH S.F.G.

CO C1ST / 20TH S.F.G.

Address 1: MASSACHUSETTS ARMY NATIONAL GUARD

MASSACHUSETTS ARMY NATIONAL GUARD

Address 2: 1505 ROOSEVELT AVENUE PO Box:

1505 ROOSEVELT AVENUE PO Box:

City: SPRINGFIELD

SPRINGFIELD

State: MA Zip Code: 01109-2438

Country: US

State: MA Zip Code: 01109-2438

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	Qt
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
B000	FRONT/REAR BASE	1
B001	DEPLOYMENT KIT	1
R002	SCOPE CASE	1

Repair Search

Refresh

Close

naglet

3/30/2007

11:13 AM

CAPS

NUM

INS

SCRL

Serial Number: C6594594

Model: M24 SWS



RE00127458

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594594.___0
FILE DATE AND TIME: 05/08/2007 12:29

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.077
The Average Y Centroid of the Five Target Set:	-0.139
The Average Point of Impact of the Five Target Set:	0.159
The Average Mean Radius of the Five Target Set:	0.809
The Distance from POA to Centroid Target #1:	0.417
The Distance from Centroid Target #2 to Centroid Target #1:	0.246
The Distance from Centroid Target #3 to Centroid Target #1:	0.327
The Distance from Centroid Target #4 to Centroid Target #1:	0.355
The Distance from Centroid Target #5 to Centroid Target #1:	0.555

SERIAL NUMBER: C6594594. __0

TARGET NUMBER: 1

FILE DATE: 05/08/2007

FILE TIME: 12:29

POINT#	X	Y
1:	1.335	-2.077
2:	0.736	-1.272
3:	0.064	-0.884
4:	0.192	-0.247
5:	0.447	0.316
6:	-0.149	-0.132
7:	-0.439	-0.229
8:	-0.827	0.199
9:	-0.504	0.512
10:	-0.021	-0.275

X CENTROID: 0.083

Y CENTROID: -0.409

POA TO CENTROID: 0.417

HORZ SPREAD: 2.162

VERT SPREAD: 2.589

GROUP SPREAD: 3.176

MIN RADIUS: 0.170

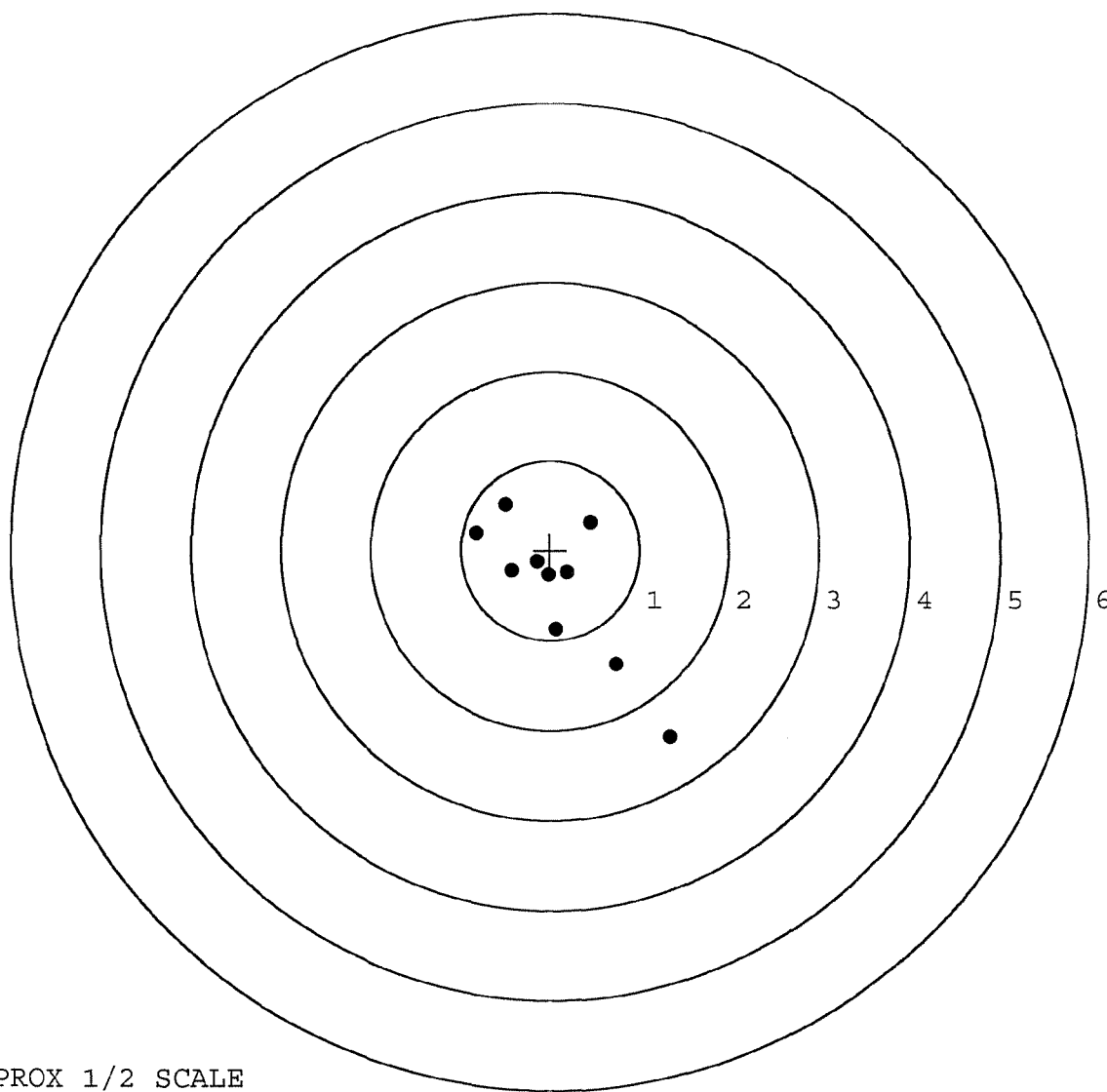
MAX RADIUS: 2.085

MEAN RADIUS: 0.792

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

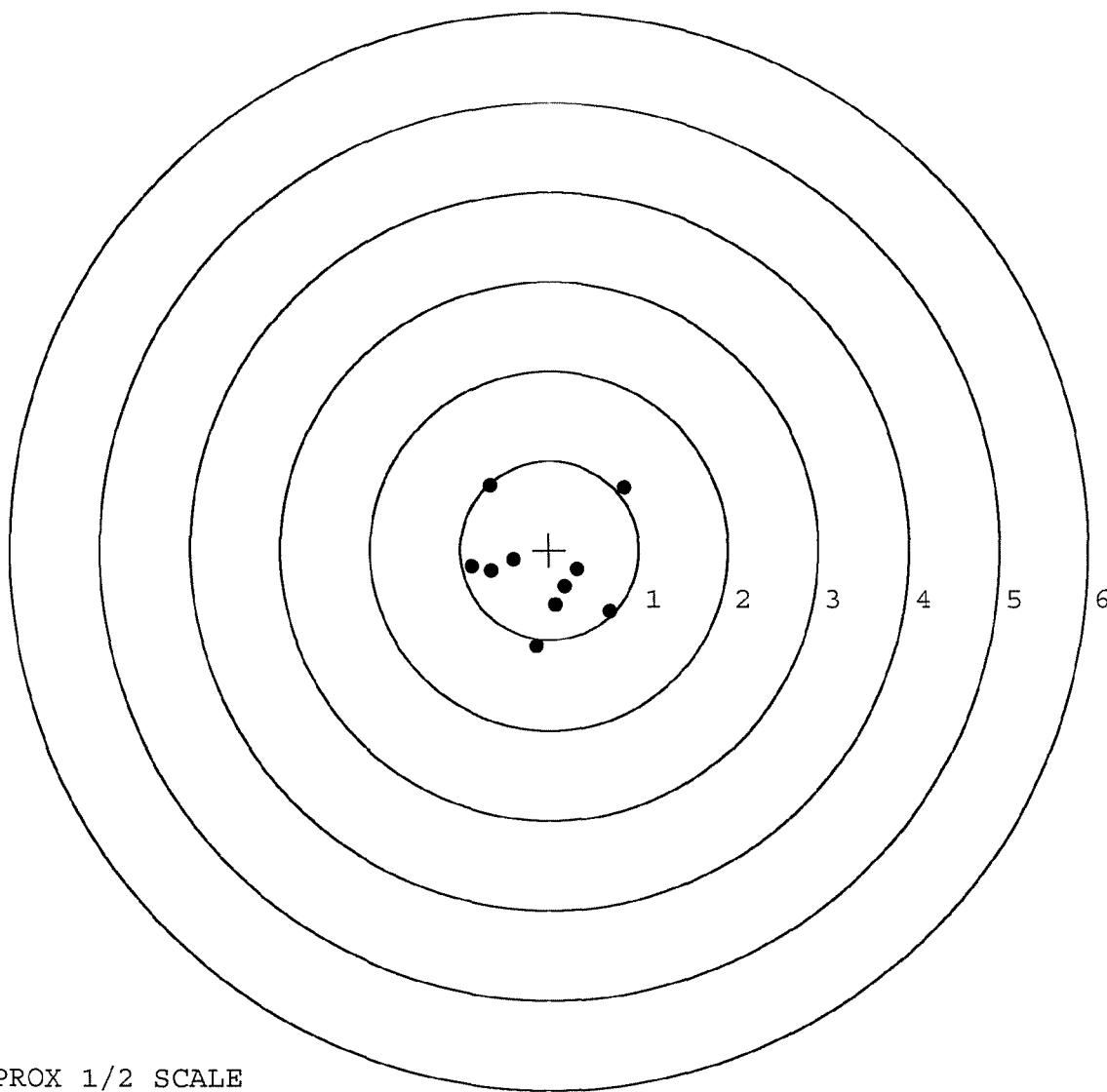


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594594. __0
TARGET NUMBER: 2
FILE DATE: 05/08/2007
FILE TIME: 12:29

POINT#	X	Y
1:	-0.153	-1.078
2:	0.675	-0.690
3:	0.071	-0.620
4:	0.168	-0.417
5:	0.307	-0.226
6:	-0.403	-0.111
7:	-0.867	-0.197
8:	-0.650	-0.234
9:	-0.660	0.723
10:	0.837	0.701

X CENTROID: -0.068
Y CENTROID: -0.215
POA TO CENTROID: 0.225
HORZ SPREAD: 1.704
VERT SPREAD: 1.801
GROUP SPREAD: 2.036
MIN RADIUS: 0.310
MAX RADIUS: 1.287
MEAN RADIUS: 0.699
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594594. __0

TARGET NUMBER: 3

FILE DATE: 05/08/2007

FILE TIME: 12:29

POINT#	X	Y
1:	-1.168	-0.618
2:	-0.031	-0.906
3:	1.141	-0.289
4:	0.756	-0.188
5:	0.318	-0.385
6:	0.094	-0.382
7:	-0.050	0.264
8:	-0.138	0.499
9:	-0.752	0.483
10:	0.408	0.696

X CENTROID: 0.058

Y CENTROID: -0.083

POA TO CENTROID: 0.101

HORZ SPREAD: 2.309

VERT SPREAD: 1.602

GROUP SPREAD: 2.332

MIN RADIUS: 0.302

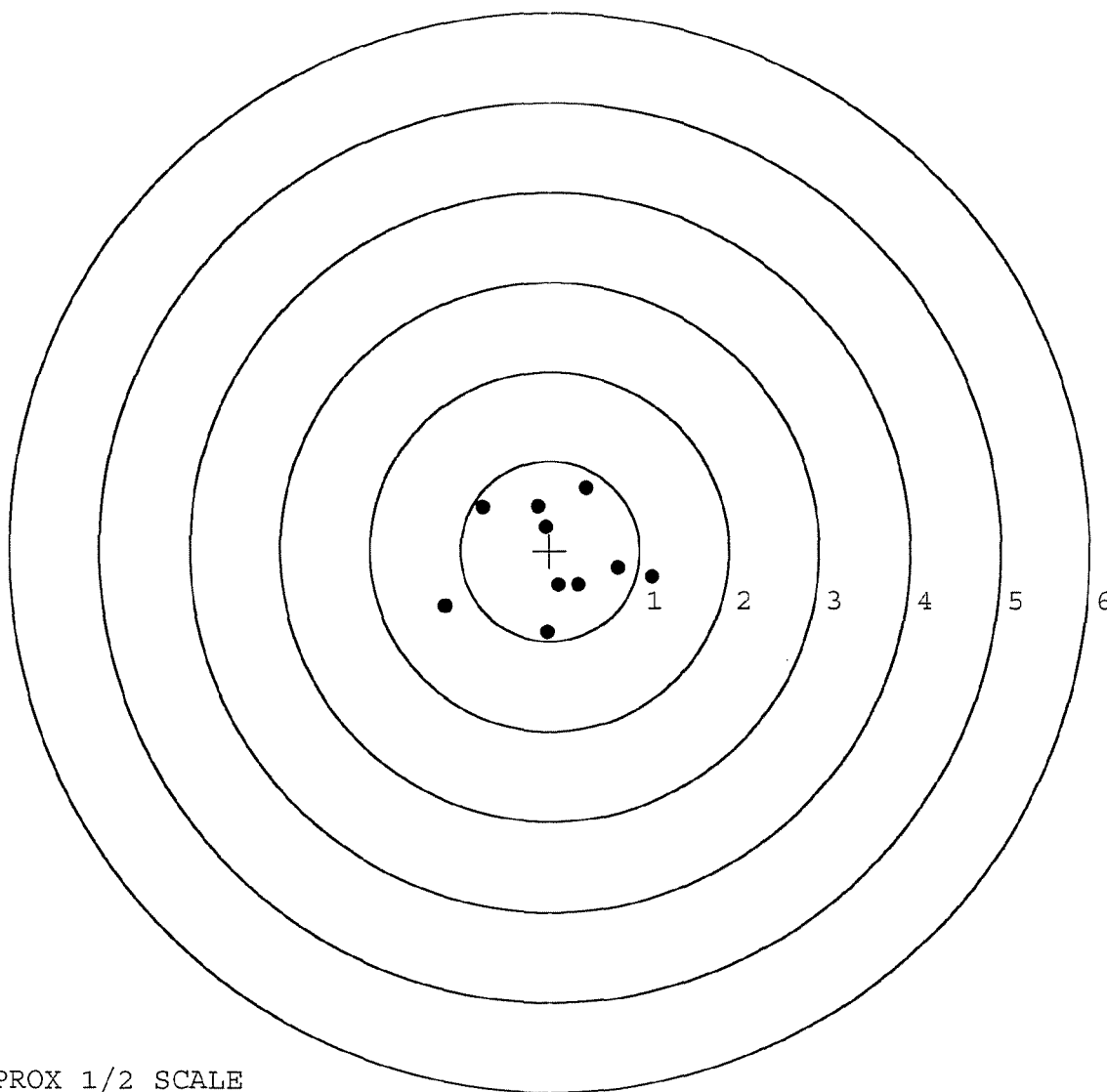
MAX RADIUS: 1.338

MEAN RADIUS: 0.749

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594594. __0

TARGET NUMBER: 4

FILE DATE: 05/08/2007

FILE TIME: 12:29

POINT#	X	Y
1:	1.342	0.517
2:	0.838	-0.085
3:	0.089	-1.297
4:	0.161	-0.665
5:	0.495	-0.209
6:	-0.217	-0.288
7:	-0.682	0.466
8:	-0.962	0.939
9:	-1.501	0.117
10:	0.151	-0.215

X CENTROID: -0.029

Y CENTROID: -0.072

POA TO CENTROID: 0.077

HORZ SPREAD: 2.843

VERT SPREAD: 2.236

GROUP SPREAD: 2.871

MIN RADIUS: 0.230

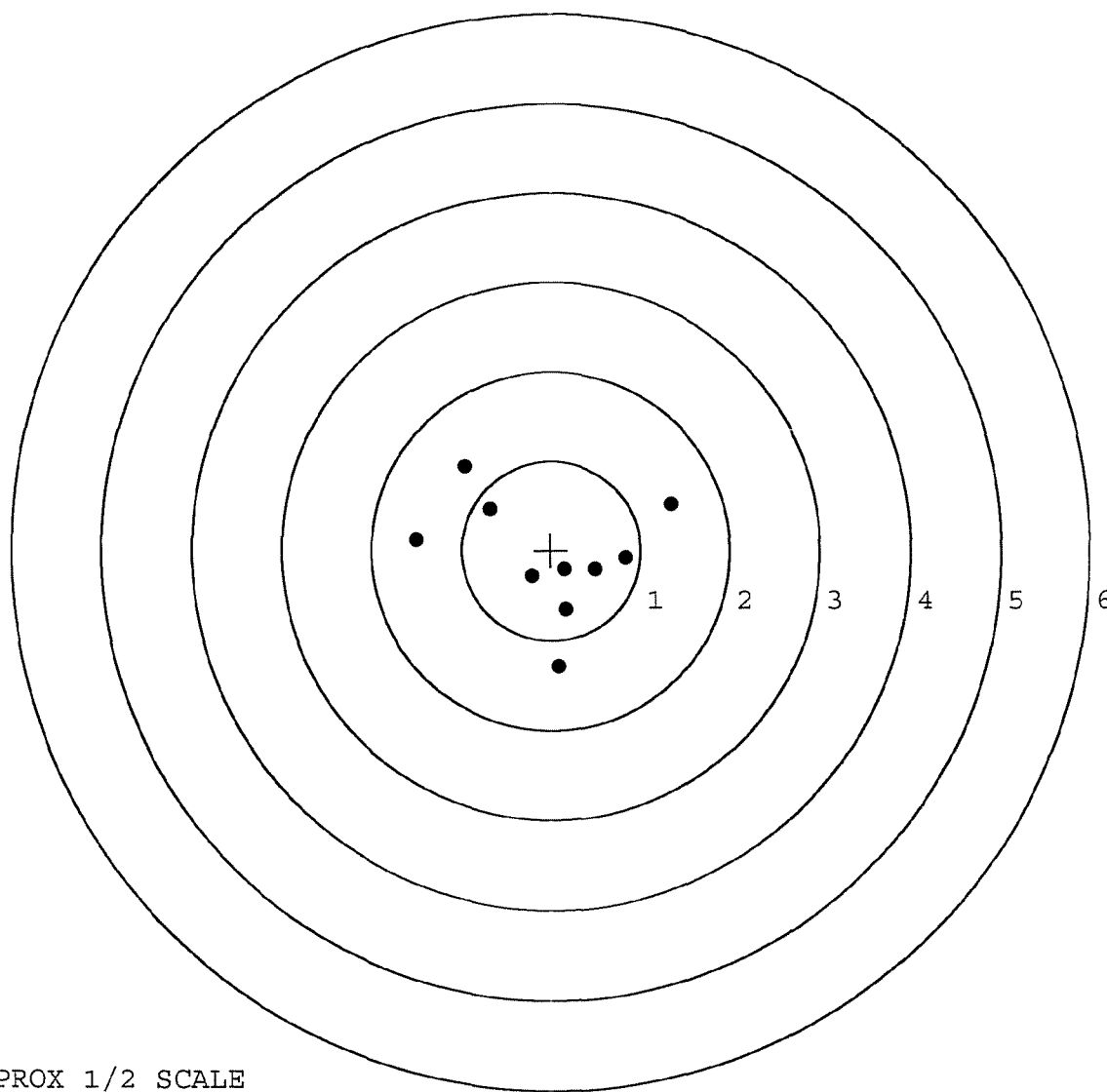
MAX RADIUS: 1.492

MEAN RADIUS: 0.898

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594594. __0

TARGET NUMBER: 5

FILE DATE: 05/08/2007

FILE TIME: 12:29

POINT#	X	Y
1:	1.080	-0.975
2:	1.171	-0.049
3:	1.363	1.118
4:	0.337	1.278
5:	0.440	0.517
6:	0.257	0.276
7:	0.058	-0.663
8:	-0.245	-0.806
9:	-0.464	-0.046
10:	-0.592	0.178

X CENTROID: 0.340

Y CENTROID: 0.083

POA TO CENTROID: 0.350

HORZ SPREAD: 1.955

VERT SPREAD: 2.253

GROUP SPREAD: 2.507

MIN RADIUS: 0.210

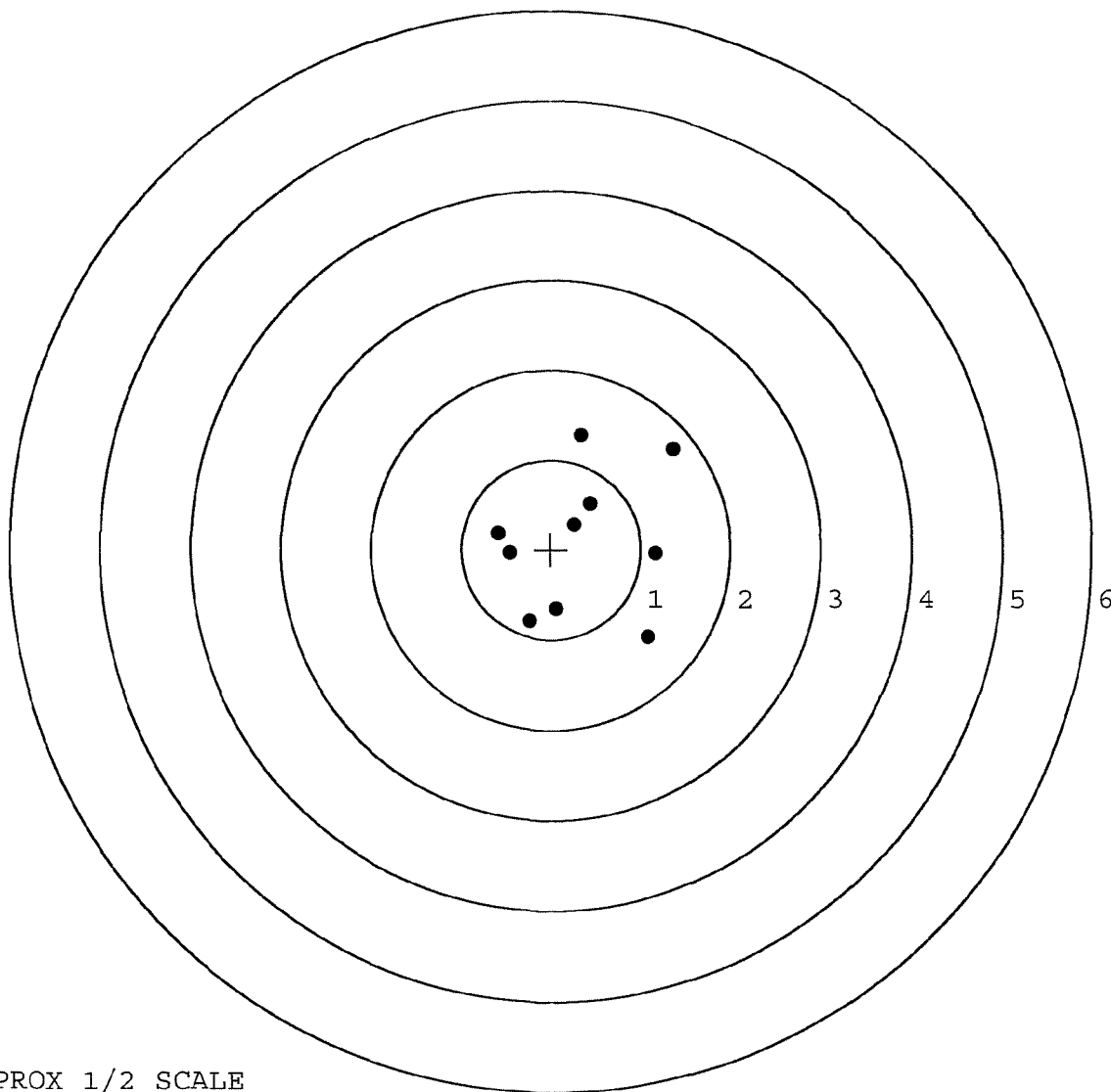
MAX RADIUS: 1.455

MEAN RADIUS: 0.905

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	127458		
SERIAL NUMBER	C6594594		
LOG-IN DATE	3-30-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-17-07	RTZ
505	RE-BARREL	4-20-07	RTZ
560	ASSEMBLE	4-19-07	TRW
600	PROOF	4-19-07	TRW
605	CHECK HEADSPACE	4-19-07	TRW
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX	4-19-07	TRW
510	DRILL AND TAP	4-24-07	TRW
615	ROLLMARK CALIBER	4-24-07	CW
618	ROTO-BLAST	4-24-07	LB
620	APPLY COATINGS	4-27-07	WJ
625	FINAL ASSEMBLY	5-4-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	5-7-07 Lon
650	TARGET	PASS FAIL	5-7-07 Lon
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		5-14-07 RTZ
	A) HEADSPACE	PASS FAIL	5-14-07 RTZ
	B) TRIGGER PULL	2.57 2.47 2.54 2.57 2.62	5-9-07 TRW
680	F) SAFETY ON FORCE	4.75 4.75 5.0	5-9-07 TRW
	G) SAFETY OFF FORCE	2.25 2.5 2.5	5-9-07 TRW
	I) FIRING PIN INDENT	.022 .0225 .022	5-9-07 TRW
690	PACK		5-14-07 RTZ

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

Remington® REG. U.S. PAT. & TM. OFF.

MODEL 700TH H24

DUPONT

SERIAL NO. C6594594

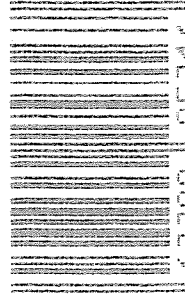
ORDER NO. 5716

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



5716 C6594594

UPC



0 4700 25716

2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6594594

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		1/9/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	g.B.
617	Drill and Tap Sight Holes	1 10 91		FB
618	Polish Barrel	1 10 91		w.B.
620	Apply Coatings (Barrel Action)		1-22-91	PA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/28/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/28/91	KS
	C) Inspect Ejector Hole for Chamfer		1/28/91	KS
	D) Oil Firing Pin Ass'y		1/28/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1/29/91	g.B.

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	4 ³ / ₄	5			1/29/91	WB
	G) Safety Off Force	3	3	3			1/29/91	WB
	H) Trigger Pull Test & Retainability						1-24-91	JM
	I) Firing Pin Indent	.0205	.021	.021			1/29/91	WB
	J) Assemble Stock						1/29/91	KS
	K) Assemble Swivel Studs						2-4-91	AC
	L) Attach Front and Rear Sight Assemblies						1/29/91	KS
	M) Iron Sight Alignment						1/29/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/29/91	KS
	O) Attach Scope to Rifle						1/29/91	KS
	P) Detach & Attach Scope 20 Times						1/29/91	KS
640	Gallery Target & Test						1-30-91	AC
	A) Time						1-30-91	AC
	B) Malfunctions						1-30-91	AC
	C) Pierced Primers						1-30-91	AC
	D) Optical Clarity of Scope						1-30-91	AC
645	Inspect for Live Ammo						1-30-91	AC
655	Final Inspection							
	A) Headspace						2-4-91	AC
	B) Trigger Pull	2.34	2.22	2.20	2.14	2.20	2-4-91	JM
	C) Function						2-4-91	AC
660	Pack						3-19-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6594594

DATE 1-29-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.35	2.51	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.39	2.39	2.22	
PULL #3	2.30	2.38	2.54	2.20	
PULL #4	2.35	2.25	2.53	2.14	
PULL #5	2.36	2.33	2.53	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.53	3.31		
PULL #2	3.26	3.29		
PULL #3	3.56	3.16		
PULL #4	3.39	3.38		
PULL #5	3.39	3.35		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.15		4.44
PULL #2	4.53	4.41		4.50
PULL #3	4.20	4.50		4.34
PULL #4	4.46	4.22		4.46
PULL #5	4.44	4.23		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06594594
30 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.0725328
1 TO	2	.154402
1 TO	3	.483266
1 TO	4	.389693
1 TO	5	.0963379

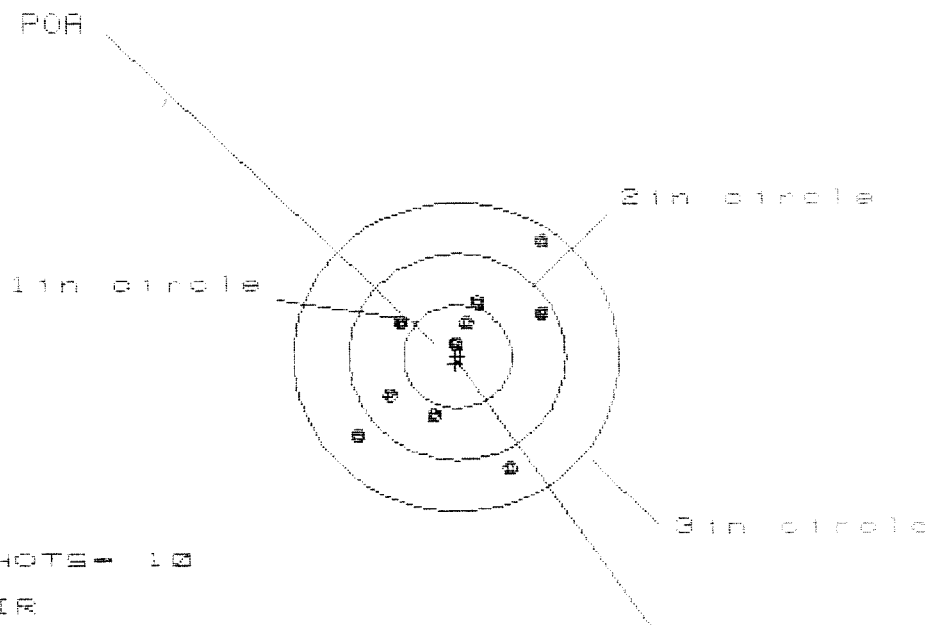
4
3 4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0878
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .133975
THE AMR FOR THIS RIFLE IS: .816

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06584594

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.675

VS= 2.198

GS= 2.558

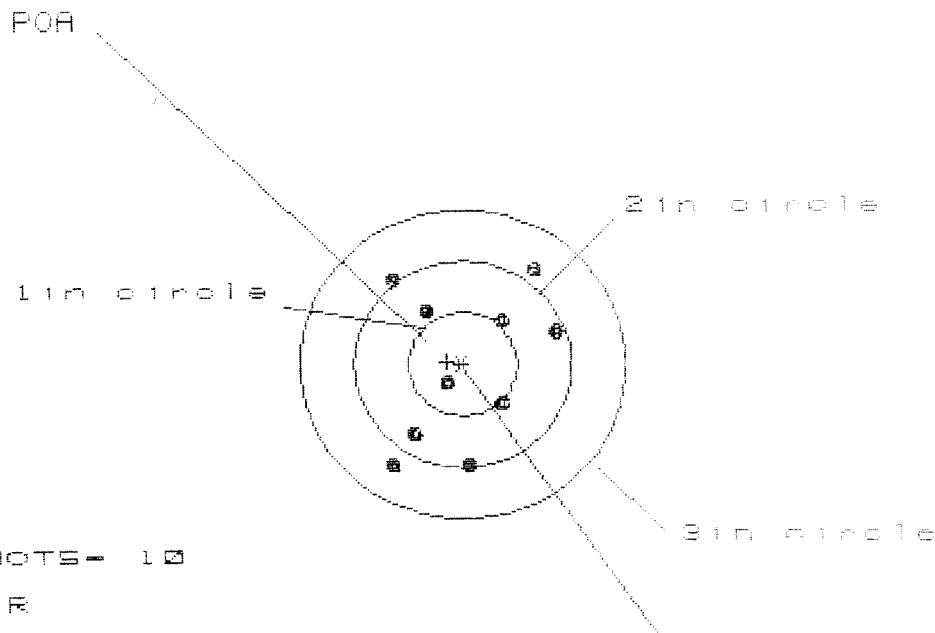
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.750	.832	.726
MINIMUM X	:	-.925	-.843	-.614
MAXIMUM Y	:	1.129	.663	.577
MINIMUM Y	:	-1.069	-.944	-1.030
CENTROID X	:	.019	-.063	.043
CENTROID Y	:	.070	-.055	.031
POR TO CENTROID in.	:	.073	.084	.053
MIN RADIUS	:	.093	.239	.130
MEAN RADIUS	:	.756	.702	.631
MAX RADIUS	:	1.348	1.089	1.117
HORIZONTAL SPREAD	:	1.675	1.675	1.340
VERTICAL SPREAD	:	2.198	1.607	1.607
EXTREME SPREAD	:	2.558	2.107	1.726
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594594

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.584

VS= 1.958

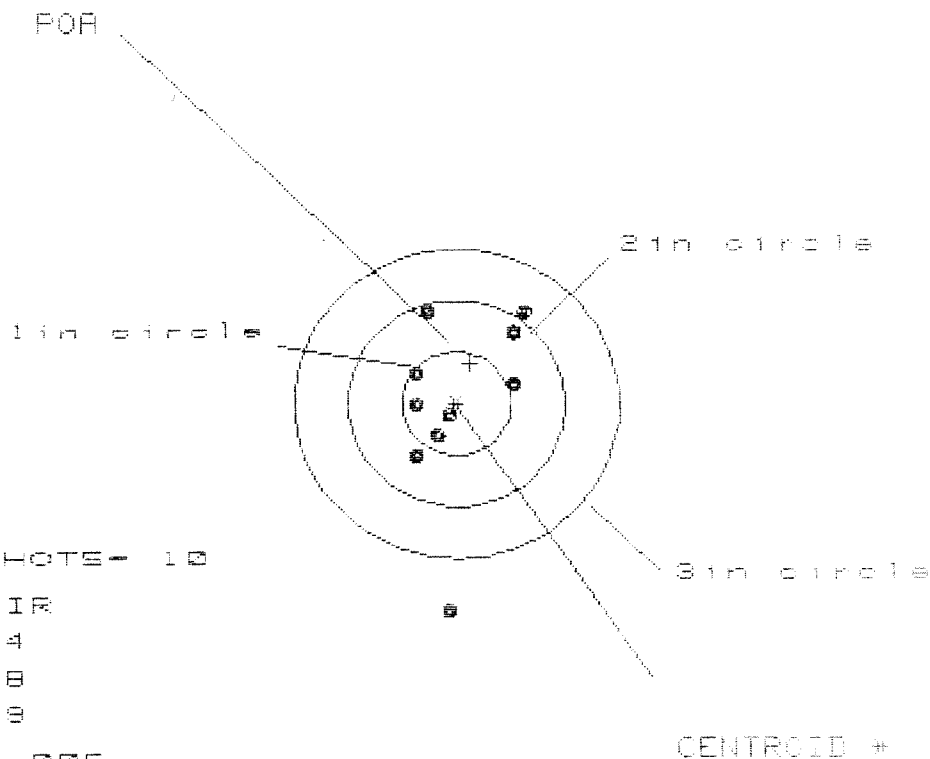
GS= 2.316

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.894	.819	.892
MINIMUM X	:	-.690	-.765	-.692
MAXIMUM Y	:	.949	.844	.864
MINIMUM Y	:	-1.009	-1.114	-1.009
CENTROID X	:	.143	.218	.145
CENTROID Y	:	-.022	.083	-.022
POA TO CENTROID (in.)	:	.145	.233	.147
MIN RADIUS	:	.181	.311	.183
MEAN RADIUS	:	.810	.768	.722
MAX RADIUS	:	1.163	1.115	1.107
HORIZONTAL SPREAD	:	1.584	1.584	1.584
VERTICAL SPREAD	:	1.958	1.958	1.873
EXTREME SPREAD	:	2.316	2.034	2.034
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594594

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 9

HS= 1.006

VS= 2.877

GS= 2.969

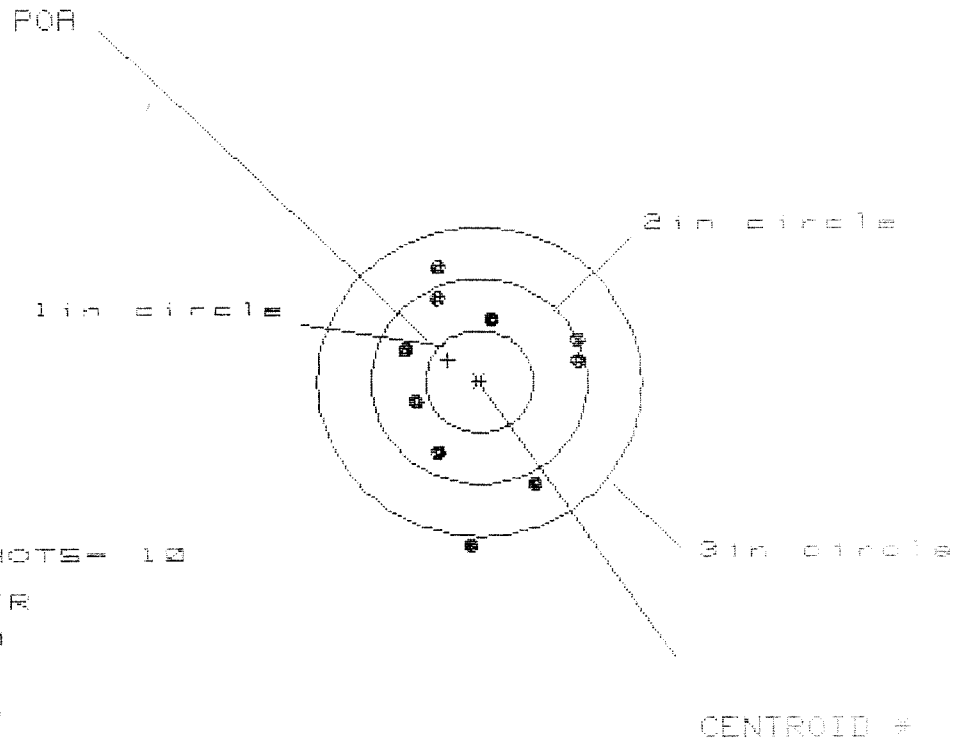
CENTROID +

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.632	.620	.619
MINIMUM X	:	-.374	-.386	-.308
MAXIMUM Y	:	.913	.695	.772
MINIMUM Y	:	-1.964	-.679	-.592
CENTROID X	:	-.126	-.114	-.192
CENTROID Y	:	-.391	-.173	-.260
POR TO CENTROID in.	:	.411	.208	.323
MIN RADIUS	:	.151	.362	.267
MEAN RADIUS	:	.731	.598	.529
MAX RADIUS	:	1.966	.932	.790
HORIZONTAL SPREAD	:	1.006	1.006	.927
VERTICAL SPREAD	:	2.877	1.374	1.364
EXTREME SPREAD	:	2.969	1.698	1.403
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534584

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 0

2in = 7

3in = 9

HS= 1.617

VS= 2.658

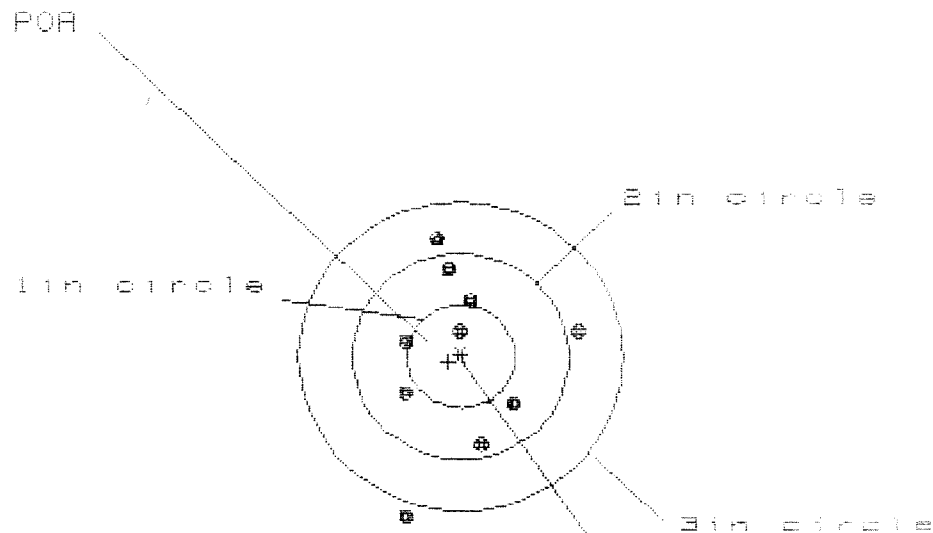
GS= 2.681

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.933	.928	.878
MINIMUM X	-.684	-.689	-.739
MAXIMUM Y	1.070	.894	.727
MINIMUM Y	-1.588	-1.118	-1.006
CENTROID X	.289	.294	.344
CENTROID Y	-.211	-.035	-.147
POA TO CENTROID in.	.358	.296	.374
MIN RADIUS	.613	.504	.601
MEAN RADIUS	.954	.858	.848
MAX RADIUS	1.588	1.230	1.188
HORIZONTAL SPREAD	1.617	1.617	1.617
VERTICAL SPREAD	2.658	2.012	1.733
EXTREME SPREAD	2.681	2.211	1.953
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

30 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594594

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 9

HS = 1.552

VS = 2.675

GS = 2.698

CENTROID #

PATTERN # : 5

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.106	1.044	1.011
MINIMUM X	:	-0.556	-0.537	-0.570
MAXIMUM Y	:	1.135	.964	.839
MINIMUM Y	:	-1.540	-1.027	-0.906
CENTROID X	:	.114	.176	.209
CENTROID Y	:	.054	.225	.104
POA TO CENTROID in.	:	.126	.285	.234
MIN RADIUS	:	.265	.101	.226
MEAN RADIUS	:	.829	.709	.685
MAX RADIUS	:	1.537	1.046	1.027
HORIZONTAL SPREAD	:	1.652	1.581	1.581
VERTICAL SPREAD	:	2.675	1.991	1.745
EXTREME SPREAD	:	2.698	2.022	1.758
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	