

C6594606

MODEL 760™ M24

Model **S&S**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

CIII

Gun 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: **RE00093104** Serial: C6594608 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 2/14/2005 8:53:06 AM

Verify Repair

Address Information

Customer ☒ Received From Return To ☐ Received From

Name: ODB 320 Bco 1st BN 3rd SFG A ODB 320 Bco 1st BN 3rd SFG A

Address 1: ATTN SGT CARLOS BETANCOURT ATTN SGT CARLOS BETANCOURT

Address 2: BLDG E 1646 KUWAIT ST PO Box: BLDG E 1646 KUWAIT ST 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: 910 432 3910

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A042	Adjustable Butt Pad	1

Repair Search Refresh Close

negleij 2/14/2005 9:49 AM CAPS NUM INS SCRL

start 5 2 4

Serial Number: **C6594608**

Model: **M24 SWS**



RE00093104

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594608.__3
FILE DATE AND TIME: 02/15/2005 09:13

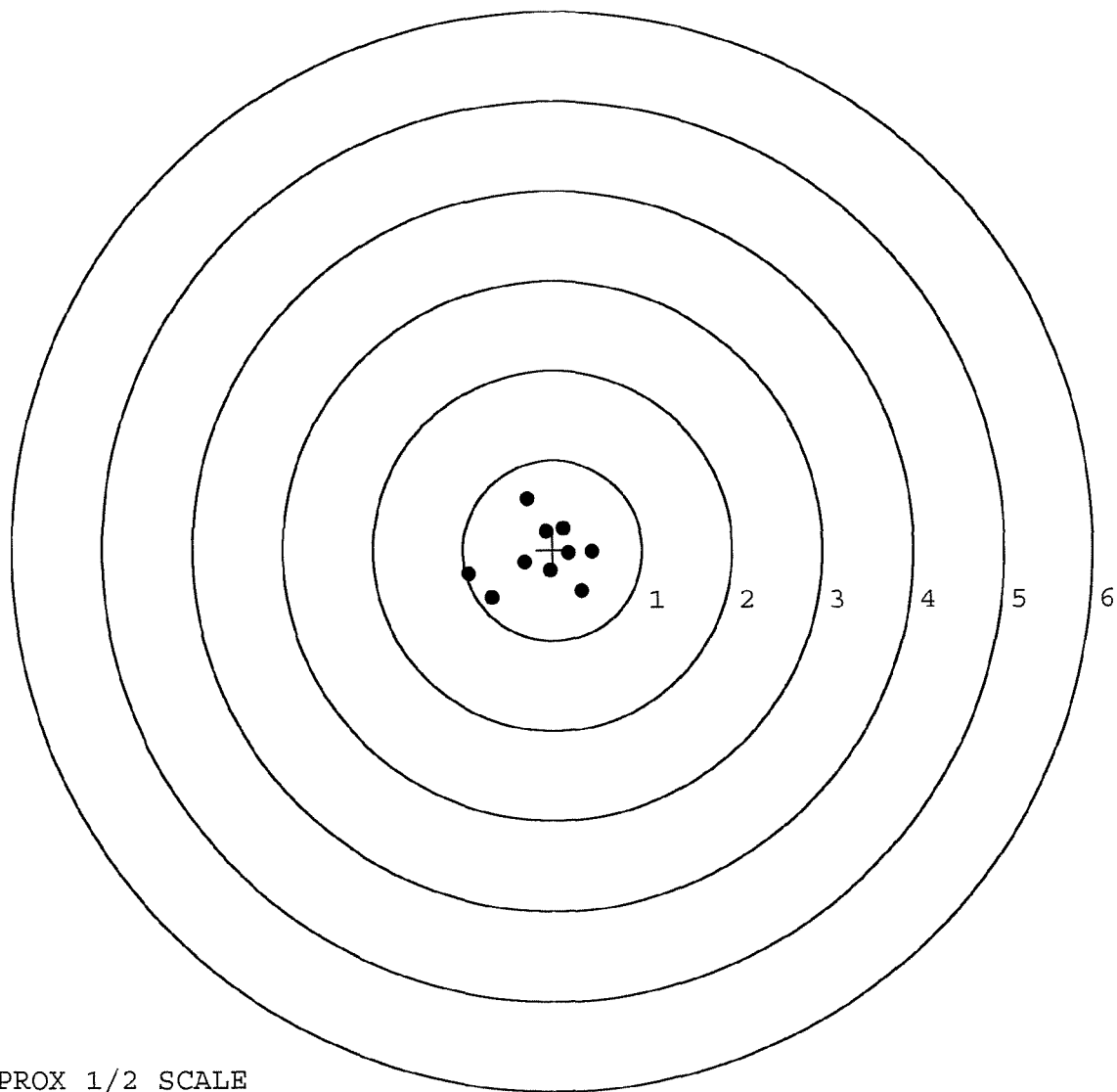
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.130
The Average Y Centroid of the Five Target Set:	0.028
The Average Point of Impact of the Five Target Set:	0.133
The Average Mean Radius of the Five Target Set:	0.757
The Distance from POA to Centroid Target #1:	0.143
The Distance from Centroid Target #2 to Centroid Target #1:	0.034
The Distance from Centroid Target #3 to Centroid Target #1:	0.411
The Distance from Centroid Target #4 to Centroid Target #1:	0.218
The Distance from Centroid Target #5 to Centroid Target #1:	0.029

SERIAL NUMBER: C6594608. __3
TARGET NUMBER: 1
FILE DATE: 02/15/2005
FILE TIME: 09:13

X CENTROID: -0.127
Y CENTROID: -0.065
POA TO CENTROID: 0.143
HORZ SPREAD: 1.381
VERT SPREAD: 1.096
GROUP SPREAD: 1.403
MIN RADIUS: 0.191
MAX RADIUS: 0.833
MEAN RADIUS: 0.474
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.683	-0.523
2:	-0.936	-0.264
3:	-0.291	0.573
4:	0.445	-0.015
5:	0.326	-0.451
6:	-0.317	-0.140
7:	-0.077	0.204
8:	0.115	0.237
9:	0.176	-0.039
10:	-0.032	-0.230

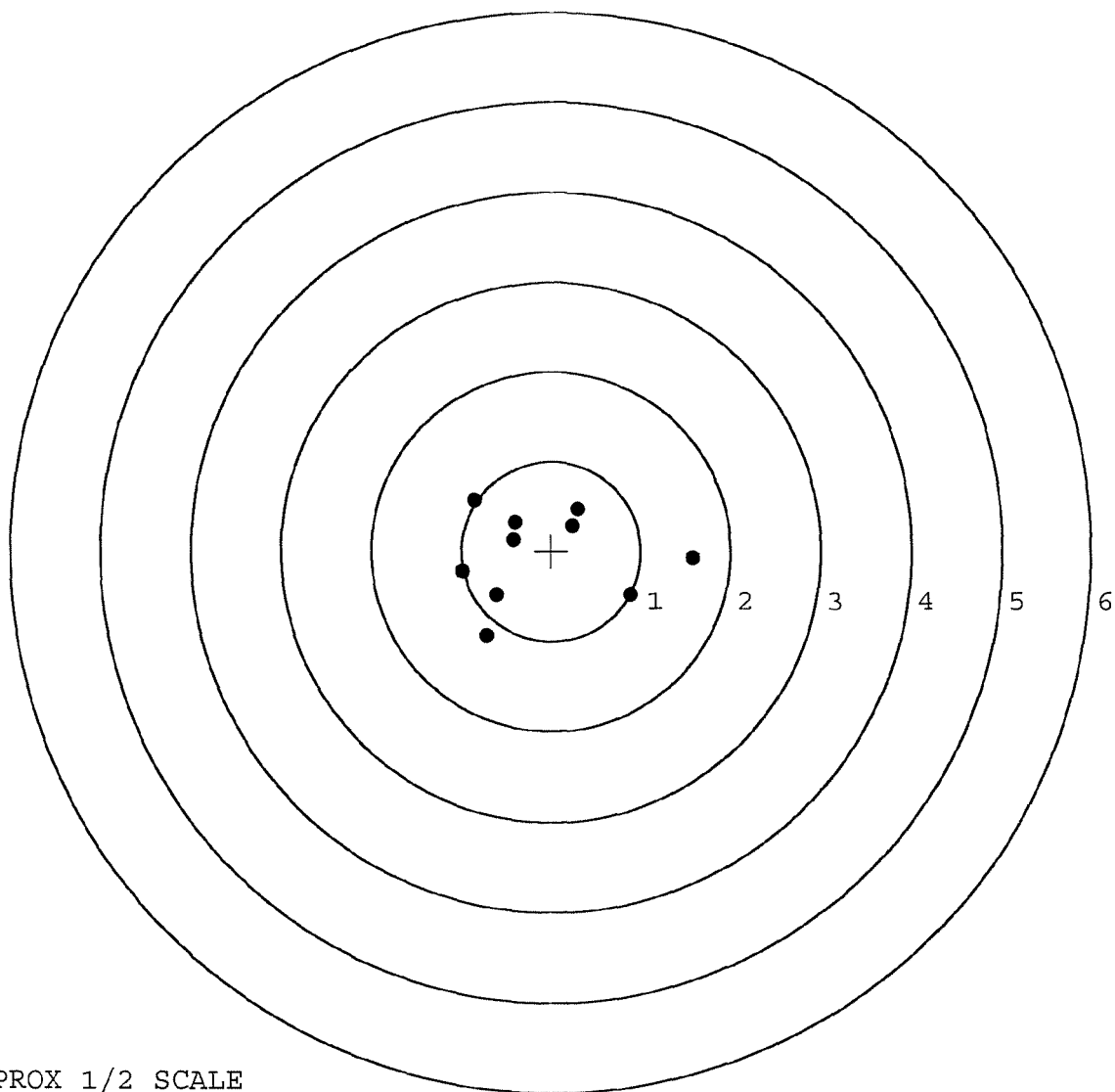


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594608.___3
TARGET NUMBER: 2
FILE DATE: 02/15/2005
FILE TIME: 09:13

X CENTROID: -0.100
Y CENTROID: -0.044
POA TO CENTROID: 0.109
HORZ SPREAD: 2.577
VERT SPREAD: 1.510
GROUP SPREAD: 2.582
MIN RADIUS: 0.365
MAX RADIUS: 1.684
MEAN RADIUS: 0.839
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.584	-0.074
2:	0.893	-0.480
3:	-0.724	-0.941
4:	-0.610	-0.489
5:	-0.993	-0.232
6:	-0.410	0.322
7:	-0.421	0.130
8:	-0.858	0.569
9:	0.300	0.468
10:	0.239	0.285



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594608. __3

TARGET NUMBER: 3

FILE DATE: 02/15/2005

FILE TIME: 09:13

POINT#	X	Y
1:	0.787	0.347
2:	0.440	-0.557
3:	-2.705	1.390
4:	-0.601	0.489
5:	-0.852	0.052
6:	-0.516	-0.002
7:	0.024	0.069
8:	0.119	0.299
9:	0.135	0.502
10:	-0.673	-0.022

X CENTROID: -0.384

Y CENTROID: 0.257

POA TO CENTROID: 0.462

HORZ SPREAD: 3.492

VERT SPREAD: 1.947

GROUP SPREAD: 3.699

MIN RADIUS: 0.290

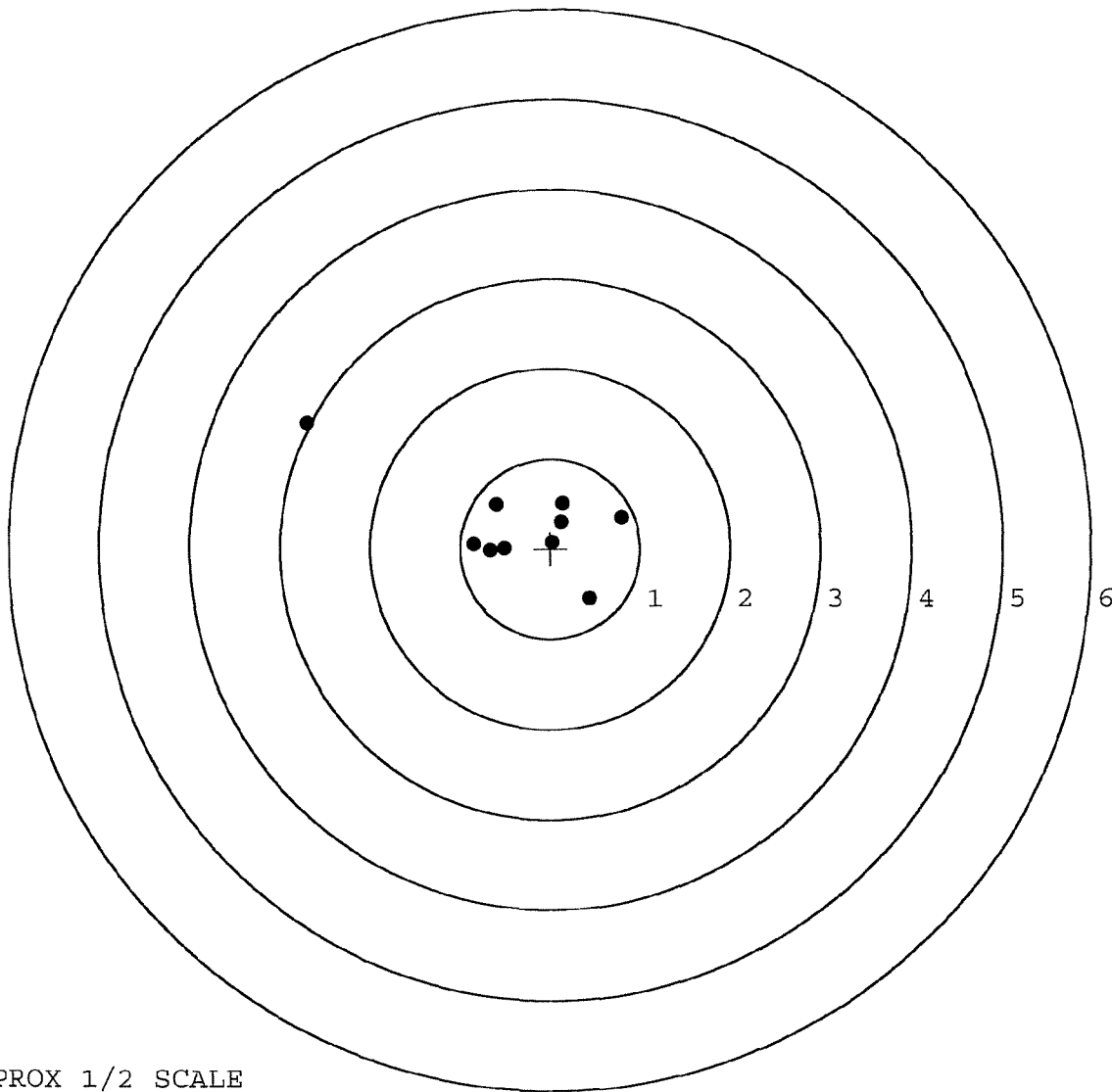
MAX RADIUS: 2.583

MEAN RADIUS: 0.796

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594608. __3

TARGET NUMBER: 4

FILE DATE: 02/15/2005

FILE TIME: 09:13

X CENTROID: 0.063

Y CENTROID: 0.043

POA TO CENTROID: 0.076

HORZ SPREAD: 2.331

VERT SPREAD: 1.931

GROUP SPREAD: 3.027

MIN RADIUS: 0.242

MAX RADIUS: 1.791

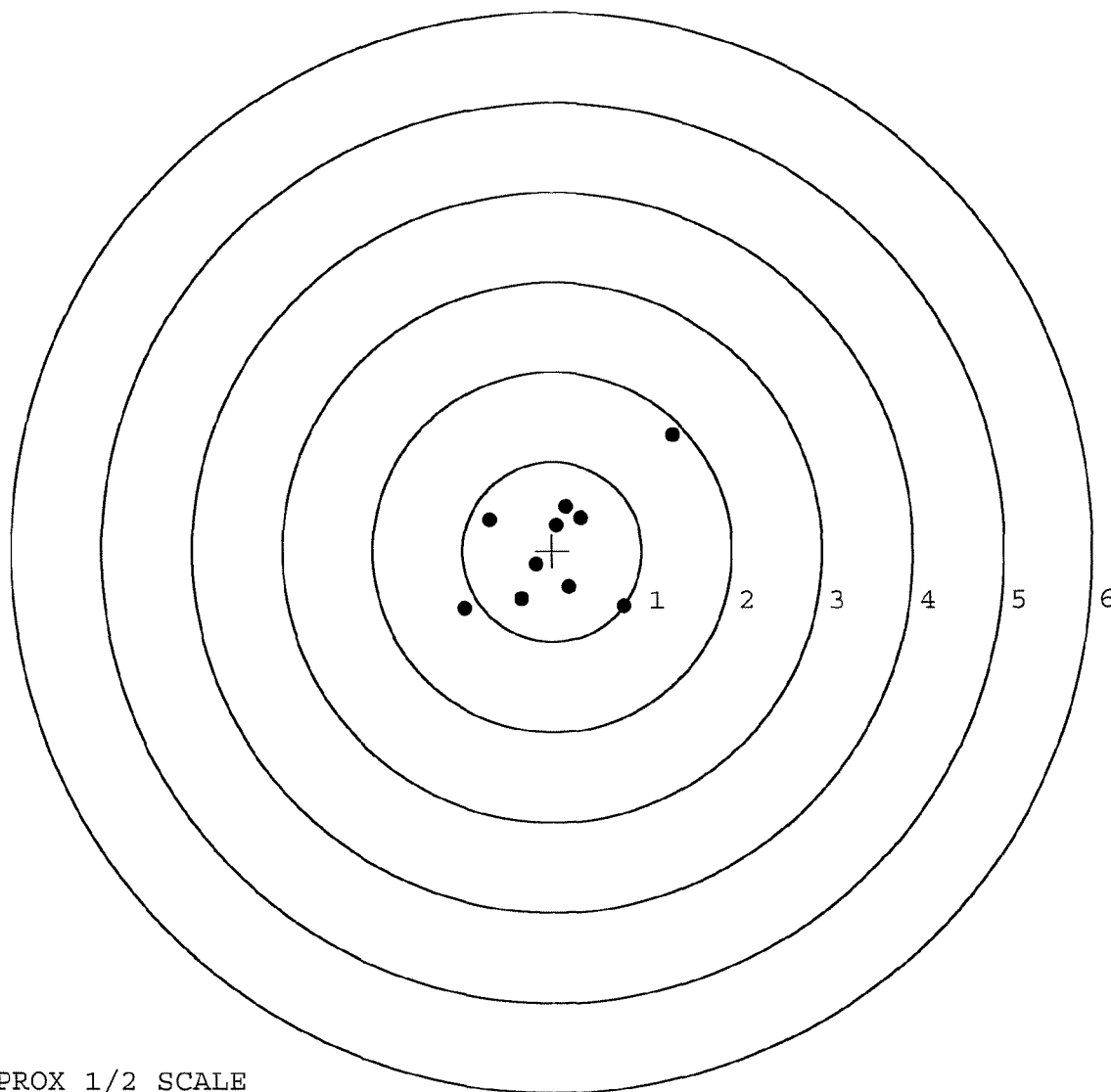
MEAN RADIUS: 0.746

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.348	1.290
2:	0.798	-0.619
3:	-0.983	-0.641
4:	-0.701	0.353
5:	0.151	0.493
6:	0.316	0.367
7:	0.045	0.284
8:	0.181	-0.412
9:	-0.183	-0.154
10:	-0.347	-0.535

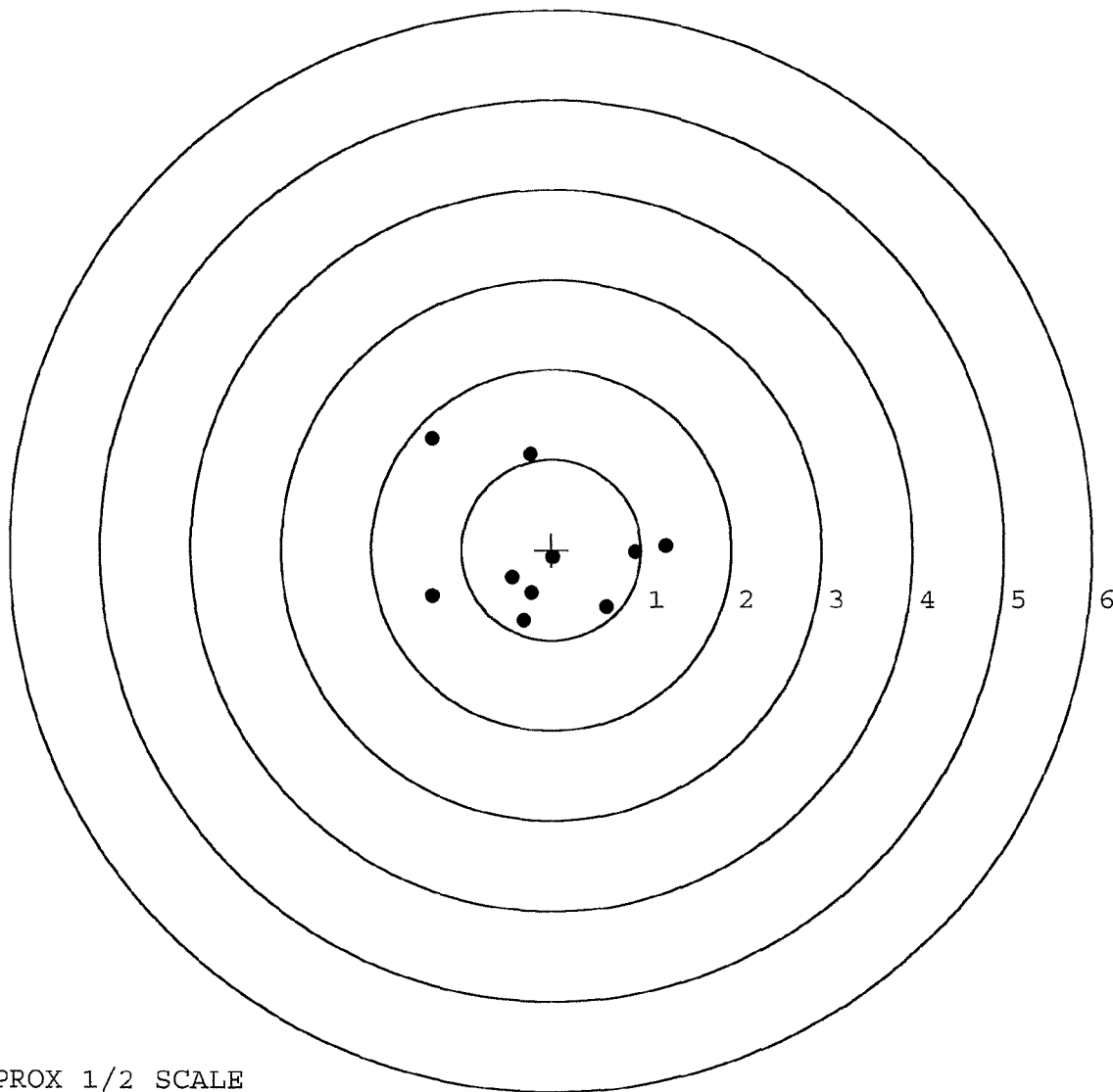


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594608. __3
TARGET NUMBER: 5
FILE DATE: 02/15/2005
FILE TIME: 09:13

X CENTROID: -0.103
Y CENTROID: -0.050
POA TO CENTROID: 0.115
HORZ SPREAD: 2.602
VERT SPREAD: 2.002
GROUP SPREAD: 2.853
MIN RADIUS: 0.127
MAX RADIUS: 1.760
MEAN RADIUS: 0.928
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.277	0.042
2:	0.934	-0.021
3:	0.608	-0.633
4:	0.020	-0.082
5:	-1.325	-0.517
6:	-0.239	1.056
7:	-1.320	1.222
8:	-0.444	-0.308
9:	-0.231	-0.475
10:	-0.312	-0.780



TARGET APPROX 1/2 SCALE

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)

SERIAL NO. _____

DATE 2-14-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.62	2.47		2.31	
PULL #2	2.39	2.44		2.35	
PULL #3	2.46	2.48		2.39	
PULL #4	2.50	2.41		2.37	
PULL #5	2.50	2.47		2.52	
TOTAL	12.47	12.27		11.94	
AVERAGE	2.49	2.45		2.38	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.10		
PULL #2	3.49	3.10		
PULL #3	3.11	3.36		
PULL #4	3.01	3.13		
PULL #5	3.23	3.16		
TOTAL	16.29	15.85		
AVERAGE	3.25	3.17		

	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	4.31	4.07		4.06
PULL #2	4.07	4.20		3.90
PULL #3	4.10	4.16		4.07
PULL #4	3.89	4.02		4.05
PULL #5	4.05	4.02		4.36
TOTAL	20.42	20.47		20.44
AVERAGE	4.08	4.09		4.08

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	93104				
SERIAL NUMBER	C6594608				
LOG-IN DATE	2-14-05				
INSPECT AND VERIFY:					
OPERATION #	OPERATION NAME	DATE	INITIAL		
550	DIS-ASSEMBLE GUN	N/A	N/A		
560 A	RE-BARREL				
B	DRILL AND TAP				
575	ASSEMBLE				
600	PROOF				
605	CHECK HEADSPACE				
610	DIS-ASSEMBLE GUN				
612	MAGNAFLUX				
615	ROLLMARK CALIBER				
618	ROTO-BLAST				
620	APPLY COATINGS				
625 A	FINAL ASSEMBLY				
B	TRIGGER PULL TEST			2-23-05	RTL
C	SAFETY "ON" FORCE			2-23-05	RTL
D	SAFETY "OFF" FORCE			2-23-05	RTL
E	FIRING PIN INDENT	N/A			
640	TARGET	2-15-05	RTL		
655	FINAL INSPECT	2-23-05	RTL		
660	PACK	2-23-05	DA		
		SHIP DATE			
QAR INSPECTION DATE					

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

MODEL 700™ H24

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

DU PONT

SERIAL NO.
 C6594606

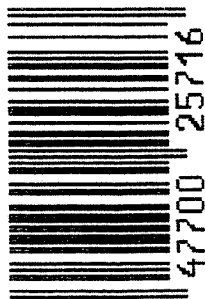
ORDER NO.
 5716

20

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



UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594606

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/26/90	K.S.
600	Proof		12/26/90	K.S.
607	Check Headspace		12/26/90	K.S.
610	Dis-assemble Gun		12/26/90	K.S.
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		1-7-91	KR
615	Rollmark Caliber		1-7-91	KR
617	Drill and Tap Sight Holes	1 1091		FB
618	Polish Barrel	1 1091		WB
620	Apply Coatings (Barrel Action)		1-7-91	JA
	Apply Coating (Bolt)		1-7-91	JA
625	Final Assembly A) Clean inside of Bolt Assembly		2/6/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/91	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	5	5	5			2/7/91	WB
	G) Safety Off Force	3	3	3			2/7/91	WB
	H) Trigger Pull Test & Retainability						2/7/91	82
	I) Firing Pin Indent	.0205	.0205	.0205			2/7/91	WB
	J) Assemble Stock						2/7/91	KS
	K) Assemble Swivel Studs						2-21-91	A
	L) Attach Front and Rear Sight Assemblies						2/7/91	KS
	M) Iron Sight Alignment						2/7/91	KS
	N) Detach Front & Rear Sights & place in numbered container						2/7/91	KS
	O) Attach Scope to Rifle						2/7/91	KS
	P) Detach & Attach Scope 20 Times						2/7/91	KS
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	K
	B) Trigger Pull	2.68	2.66	2.67	2.69	2.60	2/18/91	WB
	C) Function						2-21-91	K
660	Pack						2-15-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+ .50#

3.00#+ .75#

4.00#+1.00#

SERIAL NO. C6594606

DATE 2/2/91

TESTER JSP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.47	2.43	2.68	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.47	2.40	2.66	
PULL #3	2.27	2.41	2.40	2.67	
PULL #4	2.27	2.50	2.48	2.69	
PULL #5	2.23	2.49	2.48	2.60	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.30		
PULL #2	3.36	3.18		
PULL #3	3.27	3.25		
PULL #4	3.28	3.28		
PULL #5	3.20	3.30		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.26		4.40
PULL #2	4.10	4.31		4.38
PULL #3	4.44	4.23		4.38
PULL #4	4.23	4.39		4.34
PULL #5	4.27	4.33		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594606
8 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.21001
1 TO	2	.194003
1 TO	3	.269676
1 TO	4	.09996
1 TO	5	.230653

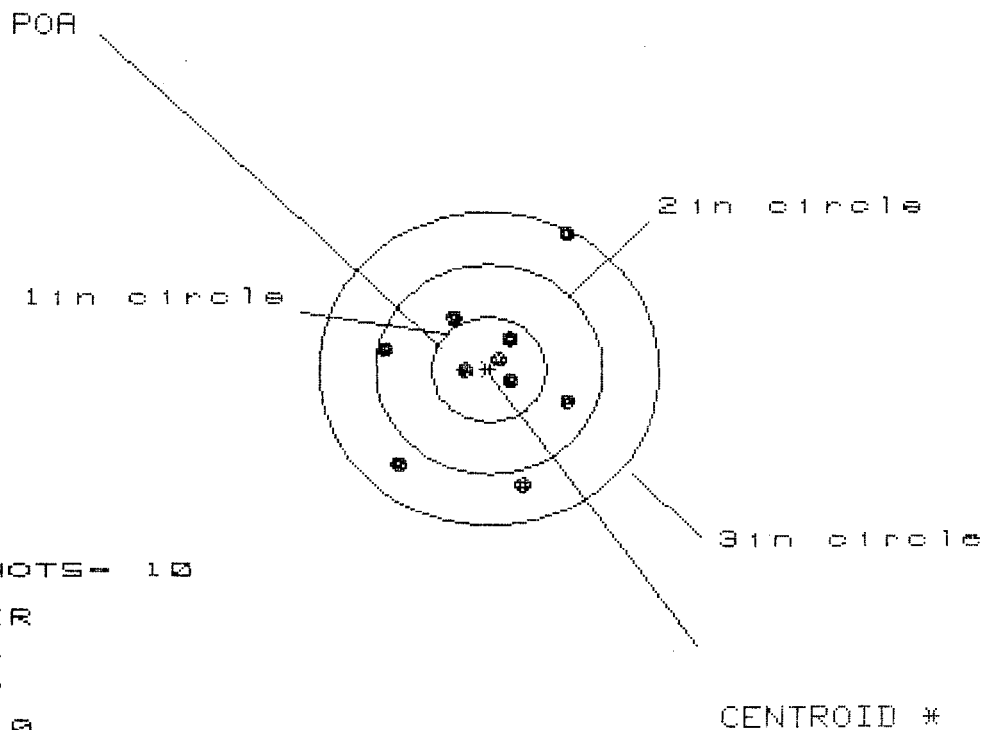
$\bar{x}_2$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1614
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0464
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .167937
THE AMP FOR THIS RIFLE IS: .7904

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594606

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 1.532

VS= 2.383

GS= 2.648

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.671	.745	.655
MINIMUM X	:	-.861	-.787	-.877
MAXIMUM Y	:	1.306	.609	.515
MINIMUM Y	:	-1.077	-.932	-1.026
CENTROID X	:	.210	.136	.225
CENTROID Y	:	.002	-.143	-.049
POA TO CENTROID in.	:	.210	.198	.231
MIN RADIUS	:	.152	.148	.190
MEAN RADIUS	:	.687	.620	.531
MAX RADIUS	:	1.467	1.043	1.062
HORIZONTAL SPREAD	:	1.532	1.532	1.532
VERTICAL SPREAD	:	2.383	1.541	1.541
EXTREME SPREAD	:	2.648	1.696	1.696
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/C6594606

CENTERFIRE PATTERNS

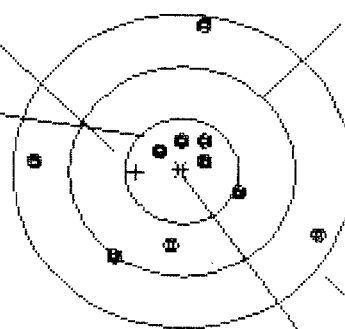
2

POA

1 in circle

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in = 5

2 in = 7

3 in = 10

HS= 2.481

VS= 2.157

GS= 2.600

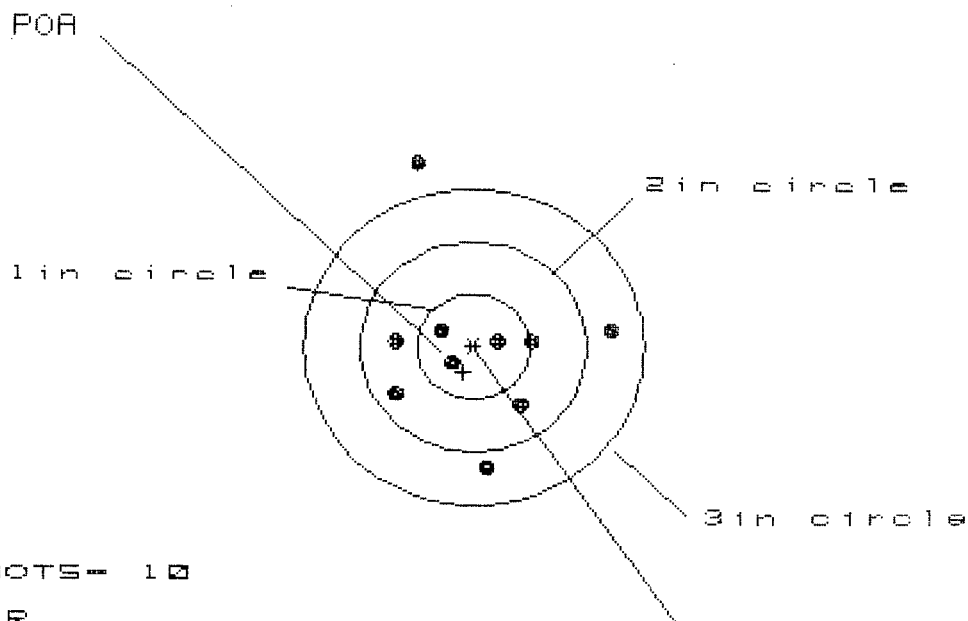
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.202	1.225	.630
MINIMUM X	:	-1.279	-1.256	-1.103
MAXIMUM Y	:	1.391	.452	.390
MINIMUM Y	:	-.766	-.611	-.673
CENTROID X	:	.404	.381	.228
CENTROID Y	:	.003	-.152	-.090
POA TO CENTROID in.	:	.404	.410	.245
MIN RADIUS	:	.222	.334	.278
MEAN RADIUS	:	.743	.687	.605
MAX RADIUS	:	1.407	1.320	1.126
HORIZONTAL SPREAD	:	2.481	2.481	1.733
VERTICAL SPREAD	:	2.157	1.063	1.063
EXTREME SPREAD	:	2.600	2.600	1.764
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594608

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS= 1.942

VS= 2.912

GS= 2.976

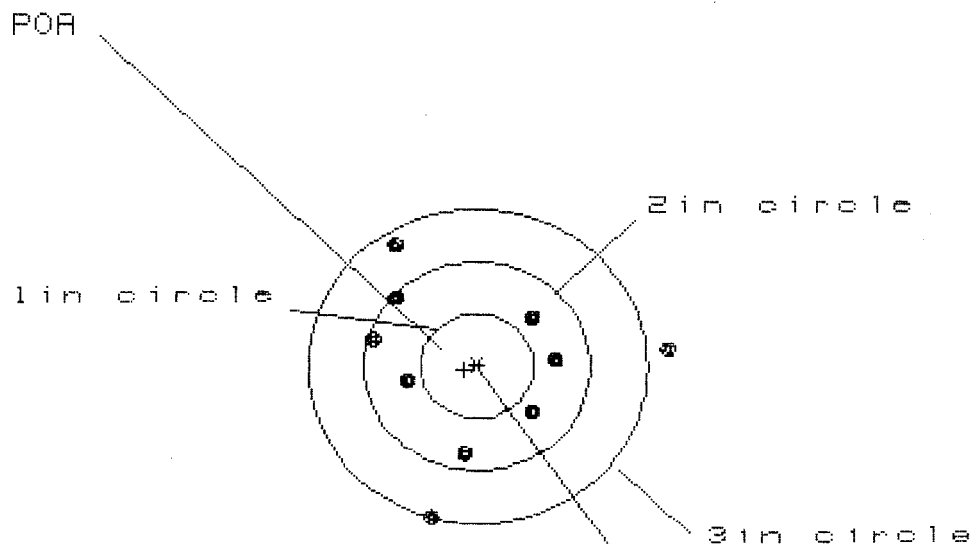
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.217	1.165	.564
MINIMUM X	:	-.725	-.777	-.632
MAXIMUM Y	:	1.760	.393	.434
MINIMUM Y	:	-1.152	-.957	-.916
CENTROID X	:	.091	.143	-.002
CENTROID Y	:	.244	.049	.008
POA TO CENTROID in.	:	.261	.151	.009
MIN RADIUS	:	.187	.300	.189
MEAN RADIUS	:	.772	.655	.574
MAX RADIUS	:	1.820	1.210	.948
HORIZONTAL SPREAD	:	1.942	1.942	1.195
VERTICAL SPREAD	:	2.912	1.350	1.350
EXTREME SPREAD	:	2.976	2.025	1.478
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594606

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 0

2in = 7

3in = 8

HS = 2.599

VS = 2.665

GS = 2.692

CENTROID #

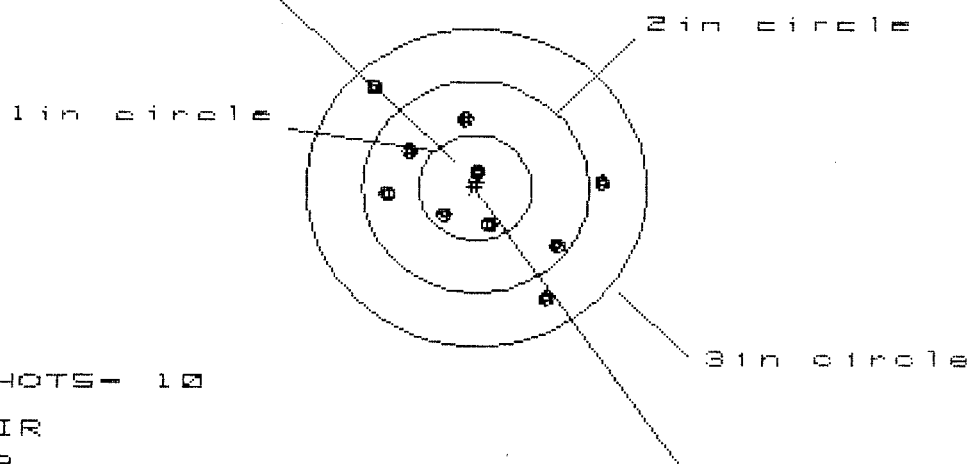
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.715	.867	.836
MINIMUM X	:	-.884	-.693	-.724
MAXIMUM Y	:	1.204	1.222	1.041
MINIMUM Y	:	-1.461	-1.443	-.951
CENTROID X	:	.116	-.075	-.044
CENTROID Y	:	.036	.018	.199
POA TO CENTROID in.	:	.121	.077	.203
MIN RADIUS	:	.610	.419	.513
MEAN RADIUS	:	.995	.900	.819
MAX RADIUS	:	1.723	1.464	1.177
HORIZONTAL SPREAD	:	2.599	1.560	1.560
VERTICAL SPREAD	:	2.665	2.665	1.992
EXTREME SPREAD	:	2.692	2.679	2.091
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594606

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 7

3 in = 10

HS= 1.942

VS= 2.000

GS= 2.490

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.088	.993	1.059
MINIMUM X	-.854	-.862	-.796
MAXIMUM Y	.974	.783	.667
MINIMUM Y	-1.034	-.925	-.550
CENTROID X	-.014	.081	.015
CENTROID Y	-.053	-.162	-.046
POA TO CENTROID in.	.055	.181	.048
MIN RADIUS	.185	.217	.184
MEAN RADIUS	.755	.696	.634
MAX RADIUS	1.295	1.063	1.062
HORIZONTAL SPREAD	1.942	1.855	1.855
VERTICAL SPREAD	2.000	1.708	1.217
EXTREME SPREAD	2.490	1.860	1.860
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594606
5 Mar 1991

*Shot after
Rezero of scope
JPH*

CENTROIDAL DISTANCES

0 TO	1	.4031
1 TO	2	.323784
1 TO	3	.257158
1 TO	4	.296007
1 TO	5	.34869

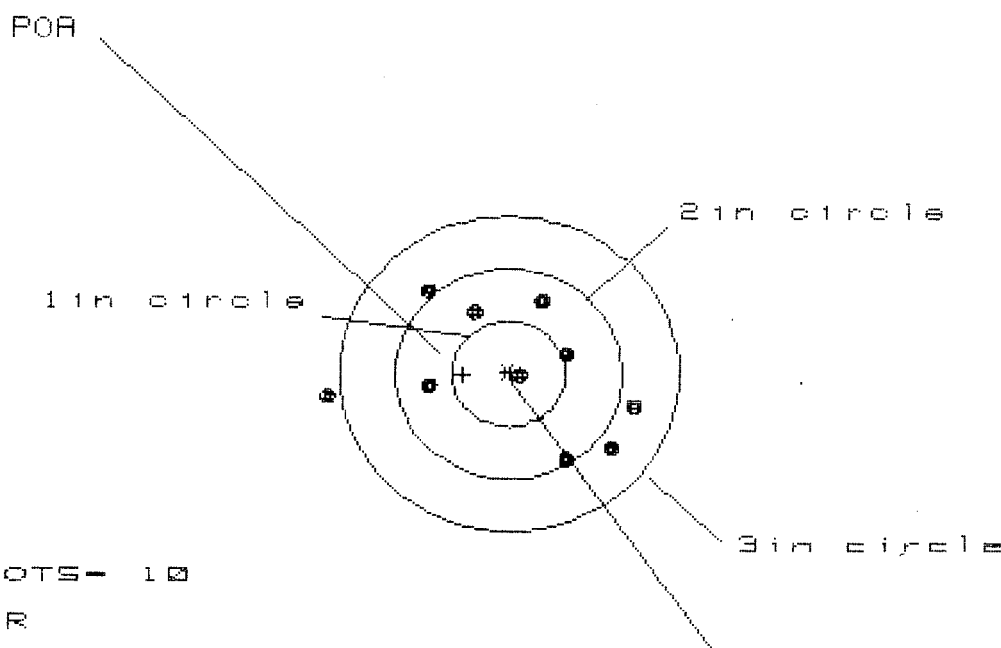
2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1948
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0354
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .19799
THE AMR FOR THIS RIFLE IS: .9152

5 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594606.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.690

VS= 1.602

GS= 2.692

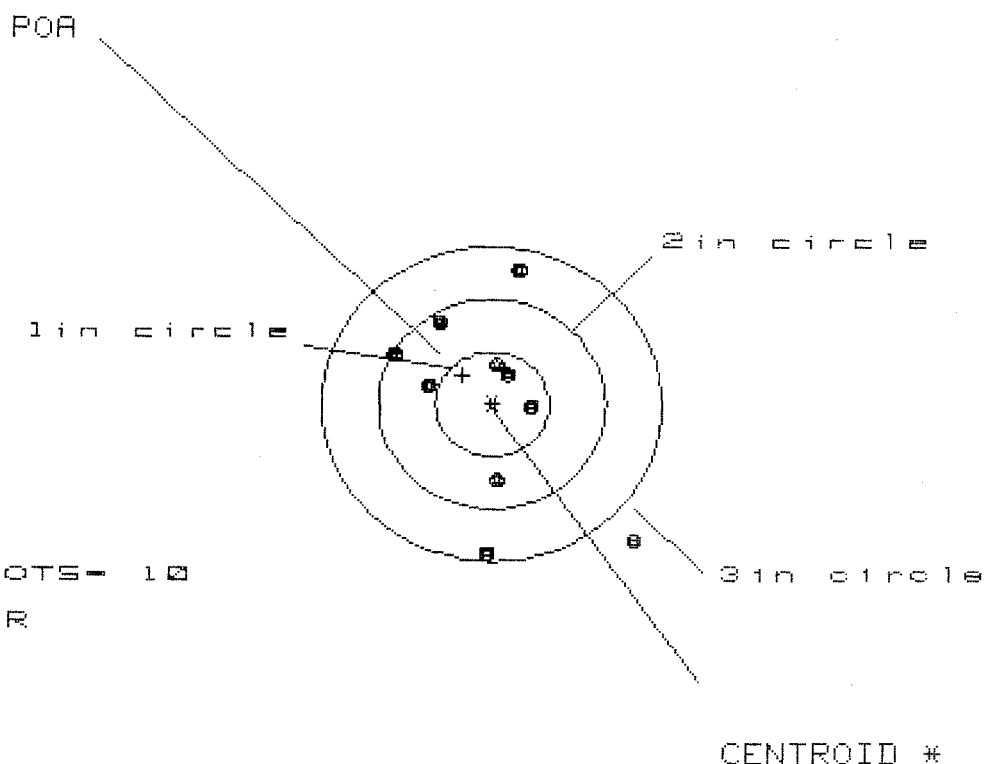
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.069	.889	.981
MINIMUM X	-1.621	-.869	-.777
MAXIMUM Y	.761	.739	.649
MINIMUM Y	-.841	-.863	-.953
CENTROID X	.403	.583	.491
CENTROID Y	.009	.030	.120
POA TO CENTROID in.	.403	.584	.506
MIN RADIUS	.076	.145	.168
MEAN RADIUS	.862	.762	.719
MAX RADIUS	1.632	1.129	1.063
HORIZONTAL SPREAD	2.690	1.758	1.758
VERTICAL SPREAD	1.602	1.602	1.602
EXTREME SPREAD	2.692	2.159	2.039
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

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FILE:/PATTERNING/CENTERFIRE_PATT/C6594606.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.007

VS= 2.743

GS= 2.790

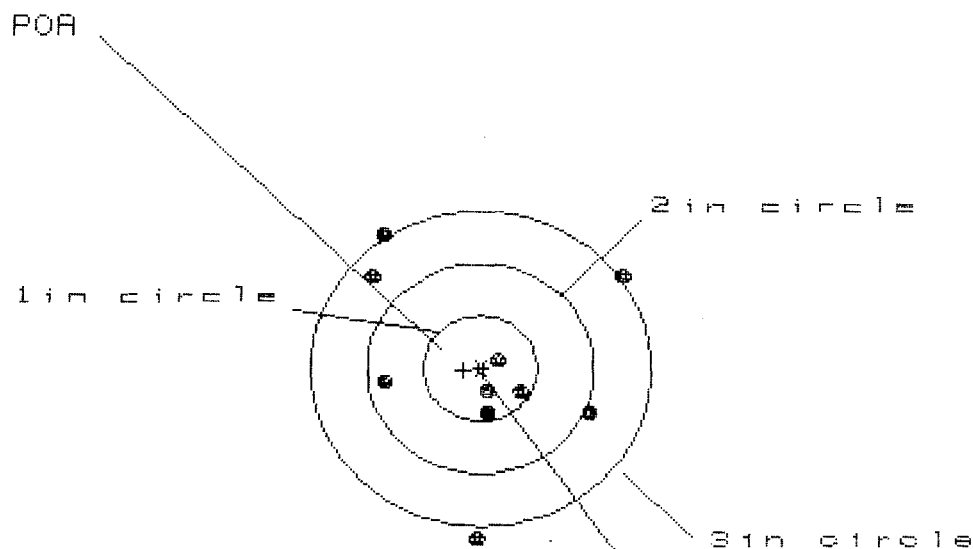
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.206	.496	.504
MINIMUM X	:	-.881	-.747	-.739
MAXIMUM Y	:	1.319	1.176	.980
MINIMUM Y	:	-1.424	-1.567	-1.018
CENTROID X	:	.259	.125	.117
CENTROID Y	:	-.281	-.138	.058
POA TO CENTROID in.	:	.382	.186	.130
MIN RADIUS	:	.296	.233	.137
MEAN RADIUS	:	.870	.740	.608
MAX RADIUS	:	1.764	1.569	1.041
HORIZONTAL SPREAD	:	2.087	1.243	1.243
VERTICAL SPREAD	:	2.743	2.743	1.998
EXTREME SPREAD	:	2.790	2.757	2.010
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

5 Mar 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 5

3 in = 7

HS = 2.196

VS = 2.893

GS = 3.001

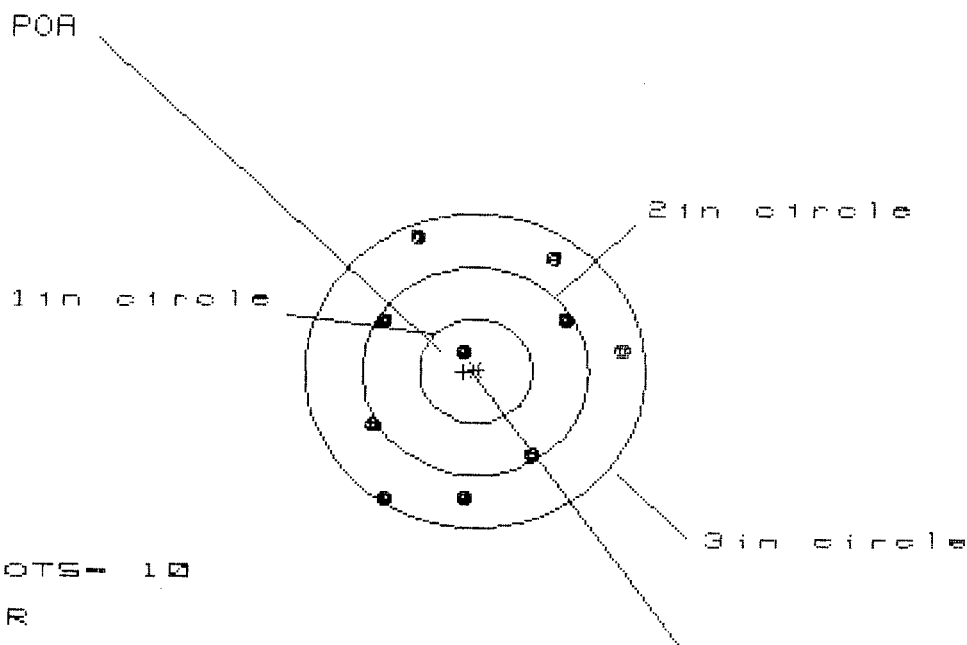
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.261	1.251	1.139
MINIMUM X	:	-.935	-.945	-1.058
MAXIMUM Y	:	1.262	1.080	.833
MINIMUM Y	:	-1.631	-.644	-.509
CENTROID X	:	.146	.156	.269
CENTROID Y	:	.018	.200	.065
POA TO CENTROID in.	:	.147	.253	.276
MIN RADIUS	:	.129	.141	.036
MEAN RADIUS	:	.909	.857	.730
MAX RADIUS	:	1.634	1.433	1.411
HORIZONTAL SPREAD	:	2.196	2.196	2.196
VERTICAL SPREAD	:	2.893	1.724	1.342
EXTREME SPREAD	:	3.001	2.476	2.282
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			7	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6594606.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 10

HS= 2.258

VS= 2.558

GS= 2.720

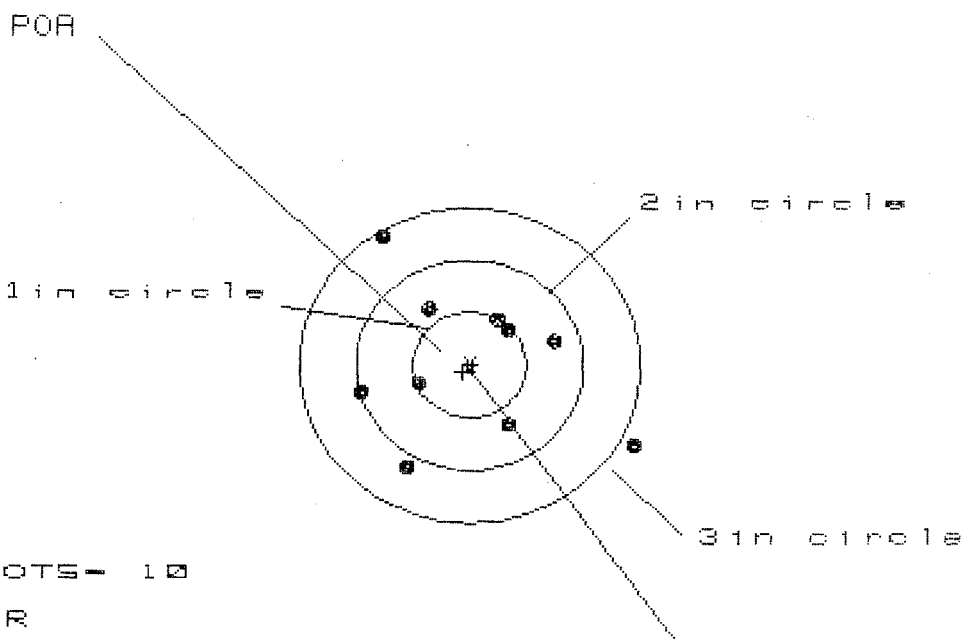
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.316	1.229	1.154
MINIMUM X	-.942	-1.029	-1.104
MAXIMUM Y	1.303	1.165	1.070
MINIMUM Y	-1.255	-1.393	-1.247
CENTROID X	.107	.194	.269
CENTROID Y	.011	.149	.003
POA TO CENTROID in.	.108	.244	.269
MIN RADIUS	.208	.208	.333
MEAN RADIUS	1.081	1.025	.991
MAX RADIUS	1.467	1.403	1.270
HORIZONTAL SPREAD	2.258	2.258	2.258
VERTICAL SPREAD	2.558	2.558	2.317
EXTREME SPREAD	2.720	2.595	2.433
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

5 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594686.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.386

VS= 2.164

GS= 3.002

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.439	.892	.815
MINIMUM X	-.947	-.787	-.864
MAXIMUM Y	1.224	1.134	.540
MINIMUM Y	-.940	-1.030	-.888
CENTROID X	.059	-.101	-.024
CENTROID Y	.066	.156	.014
POA TO CENTROID in.	.089	.186	.028
MIN RADIUS	.464	.371	.370
MEAN RADIUS	.854	.754	.682
MAX RADIUS	1.650	1.289	.999
HORIZONTAL SPREAD	2.386	1.679	1.679
VERTICAL SPREAD	2.164	2.164	1.428
EXTREME SPREAD	3.002	2.176	1.730
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	