

C6611462

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



M2400077356

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

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: **RE00092990** Serial: C661 462 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 08/13/1991

Repairman: Status: Closed: 2/17/2005 7:31:15 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **DEF DIST DEPOT ANNISTON** **DEF DIST DEPOT ANNISTON**

Address 1: Address 2: PO Box PO Box

City: **ANNISTON** **ANNISTON**

State: **AL** Zip Code: **36201 4199** Country: **US** State: **AL** Zip Code: **36201 4199** Country: **US**

FIL

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Good

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A025	Scope	1
A057	Front and Rear Sgt Base	1

Repair Search Refresh Close

logon 2/14/2005 9:12 AM CAPS NCM INS SCPI5

start 5 2 3 Arms Service

Serial Number: **C661 1462**

Model: **M24 SWS**



RE00092990

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611462.___0

FILE DATE AND TIME: 02/23/2005 07:29

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.030
The Average Y Centroid of the Five Target Set:	-0.074
The Average Point of Impact of the Five Target Set:	0.080
The Average Mean Radius of the Five Target Set:	0.587
The Distance from POA to Centroid Target #1:	0.039
The Distance from Centroid Target #2 to Centroid Target #1:	0.188
The Distance from Centroid Target #3 to Centroid Target #1:	0.072
The Distance from Centroid Target #4 to Centroid Target #1:	0.127
The Distance from Centroid Target #5 to Centroid Target #1:	0.140

SERIAL NUMBER: C6611462. 0

TARGET NUMBER: 1

FILE DATE: 02/23/2005

FILE TIME: 07:29

POINT#	X	Y
1:	0.233	0.550
2:	0.301	0.929
3:	0.360	-0.250
4:	0.005	-0.569
5:	-0.270	-0.459
6:	-0.023	-0.266
7:	-0.321	-0.212
8:	0.055	-0.099
9:	-0.102	-0.053
10:	0.017	0.137

X CENTROID: 0.026

Y CENTROID: -0.029

POA TO CENTROID: 0.039

HORZ SPREAD: 0.681

VERT SPREAD: 1.498

GROUP SPREAD: 1.527

MIN RADIUS: 0.076

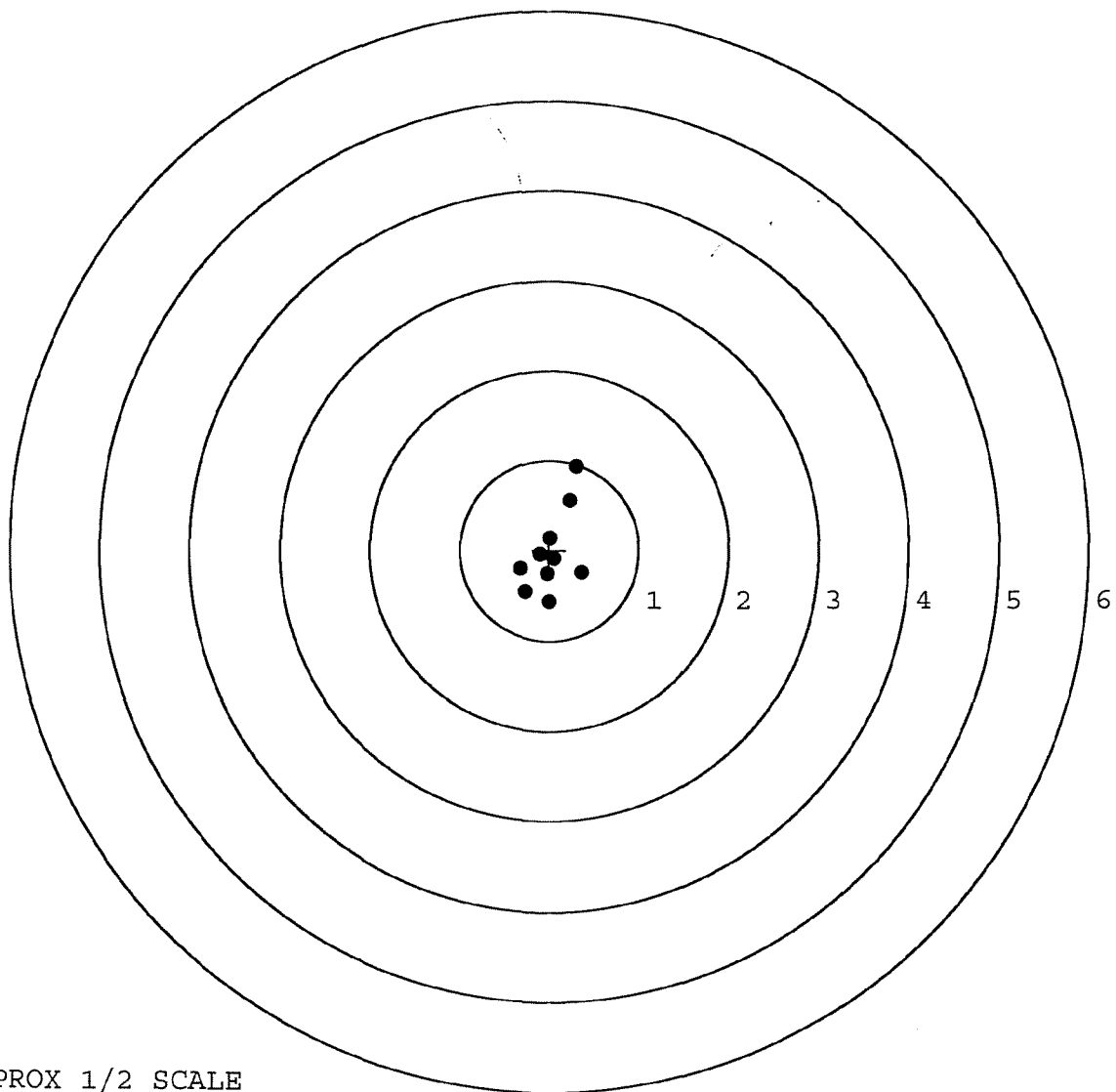
MAX RADIUS: 0.997

MEAN RADIUS: 0.408

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611462.___0

TARGET NUMBER: 2

FILE DATE: 02/23/2005

FILE TIME: 07:29

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

1:	1.467	0.125
----	-------	-------

2:	-0.602	0.307
----	--------	-------

3:	-0.417	0.184
----	--------	-------

4:	-0.239	-0.550
----	--------	--------

5:	-0.499	-0.868
----	--------	--------

6:	0.526	-0.214
----	-------	--------

7:	0.410	-0.073
----	-------	--------

8:	0.617	0.181
----	-------	-------

9:	0.373	0.355
----	-------	-------

10:	0.492	0.055
-----	-------	-------

X CENTROID: 0.213

Y CENTROID: -0.050

POA TO CENTROID: 0.219

HORZ SPREAD: 2.069

VERT SPREAD: 1.223

GROUP SPREAD: 2.203

MIN RADIUS: 0.199

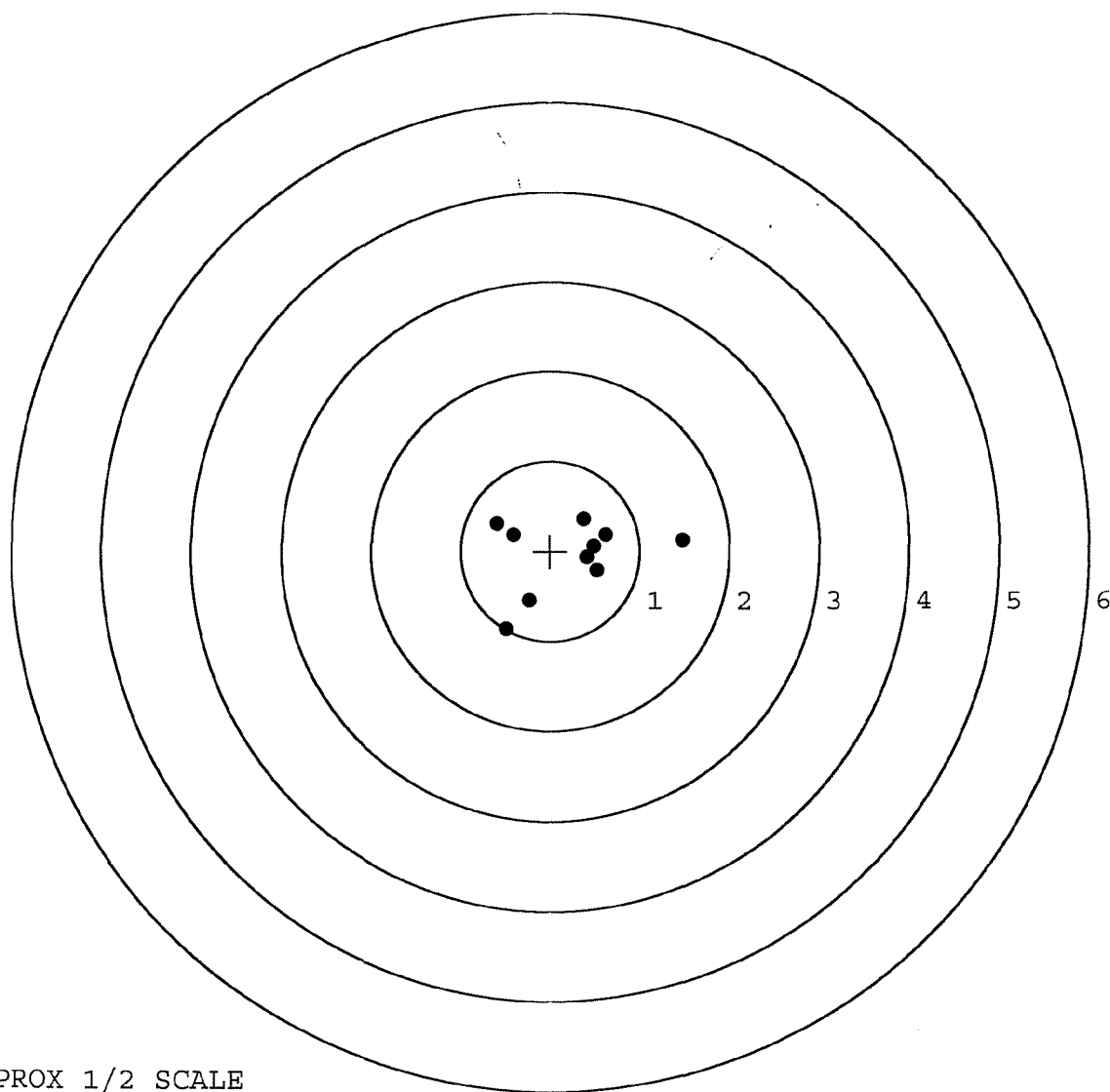
MAX RADIUS: 1.266

MEAN RADIUS: 0.634

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

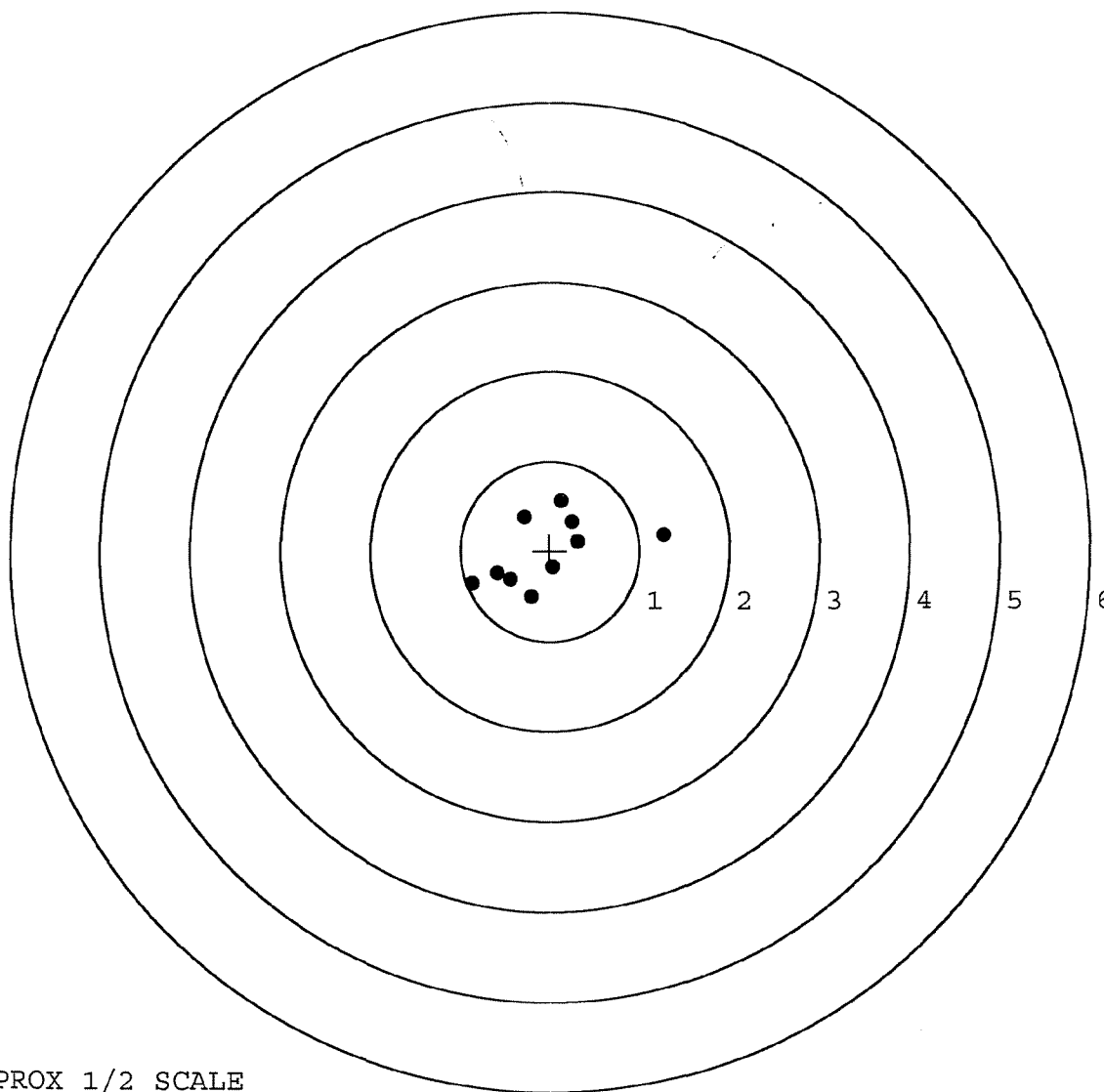


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611462. __0
TARGET NUMBER: 3
FILE DATE: 02/23/2005
FILE TIME: 07:29

POINT#	X	Y
1:	1.262	0.178
2:	-0.292	0.374
3:	0.126	0.557
4:	0.244	0.326
5:	0.305	0.100
6:	-0.870	-0.364
7:	-0.591	-0.252
8:	-0.443	-0.316
9:	0.034	-0.182
10:	-0.209	-0.510

X CENTROID: -0.043
Y CENTROID: -0.009
POA TO CENTROID: 0.044
HORZ SPREAD: 2.132
VERT SPREAD: 1.067
GROUP SPREAD: 2.200
MIN RADIUS: 0.190
MAX RADIUS: 1.319
MEAN RADIUS: 0.589
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611462. 0

TARGET NUMBER: 4

FILE DATE: 02/23/2005

FILE TIME: 07:29

POINT#	X	Y
1:	1.080	-0.070
2:	0.734	-0.440
3:	0.226	-0.705
4:	-0.762	-0.863
5:	-0.817	-0.194
6:	-1.239	0.110
7:	0.059	0.782
8:	-0.119	0.263
9:	0.112	0.213
10:	0.040	-0.248

X CENTROID: -0.069

Y CENTROID: -0.115

POA TO CENTROID: 0.134

HORZ SPREAD: 2.319

VERT SPREAD: 1.645

GROUP SPREAD: 2.326

MIN RADIUS: 0.172

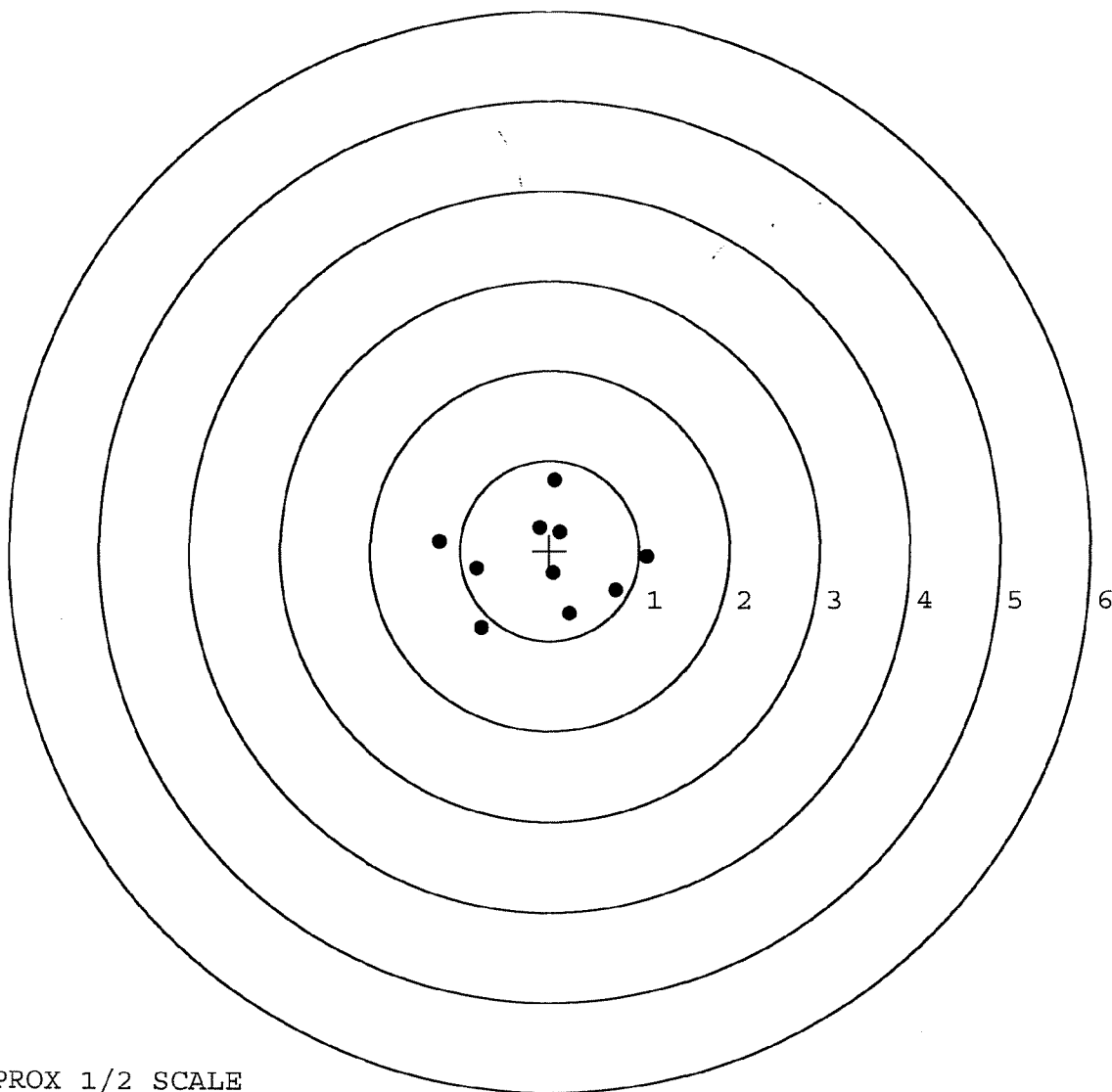
MAX RADIUS: 1.192

MEAN RADIUS: 0.747

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611462. __0

TARGET NUMBER: 5

FILE DATE: 02/23/2005

FILE TIME: 07:29

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

1:	0.135	-1.004
----	-------	--------

2:	0.496	-0.492
----	-------	--------

3:	0.301	-0.198
----	-------	--------

4:	-0.071	-0.242
----	--------	--------

5:	-0.164	-0.505
----	--------	--------

6:	0.699	0.176
----	-------	-------

7:	0.446	0.162
----	-------	-------

8:	-0.234	0.289
----	--------	-------

9:	-0.468	0.131
----	--------	-------

10:	-0.920	-0.008
-----	--------	--------

X CENTROID: 0.022

Y CENTROID: -0.169

POA TO CENTROID: 0.171

HORZ SPREAD: 1.619

VERT SPREAD: 1.293

GROUP SPREAD: 1.629

MIN RADIUS: 0.118

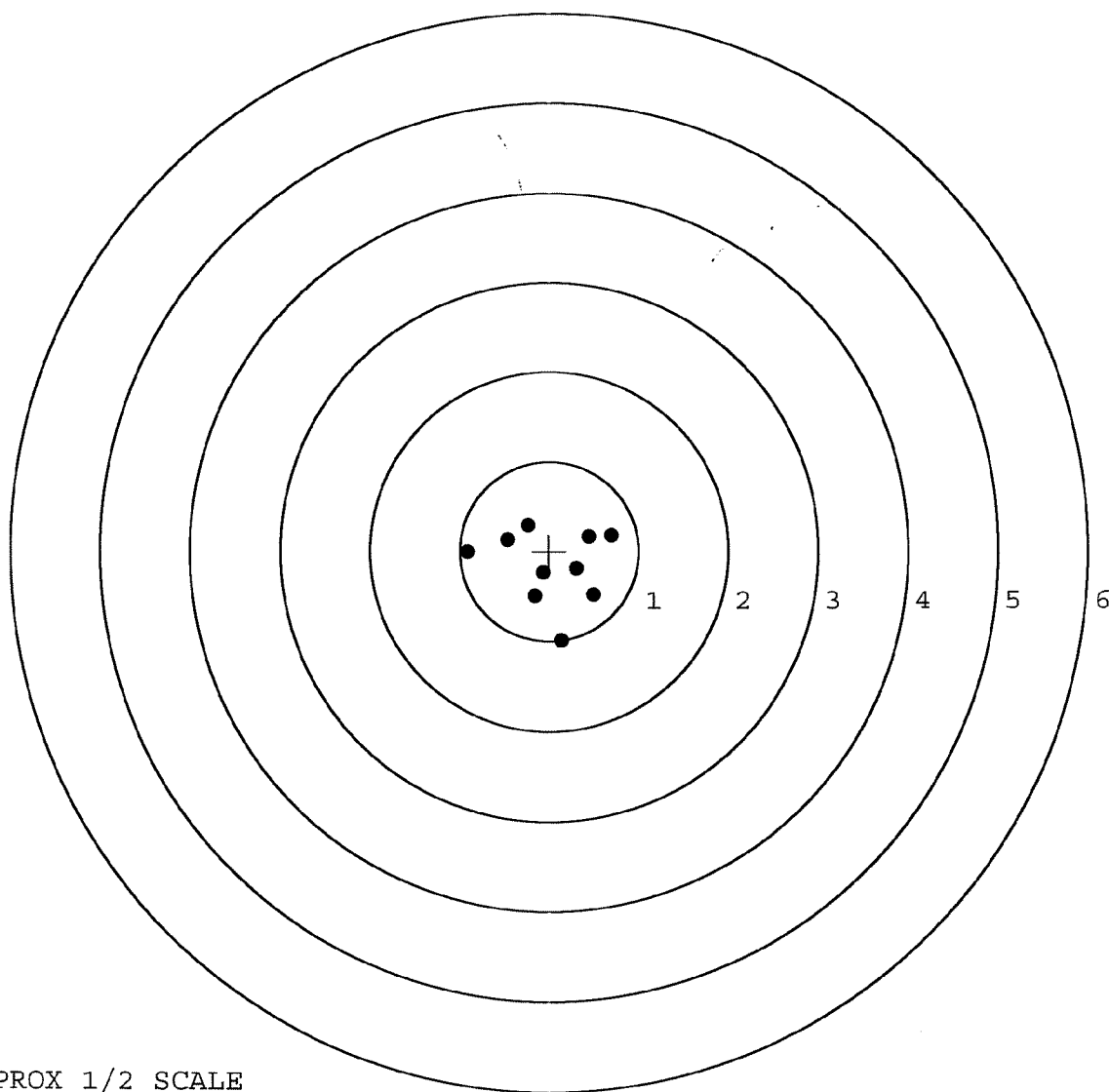
MAX RADIUS: 0.956

MEAN RADIUS: 0.555

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92990		
SERIAL NUMBER	06611462		
LOG-IN DATE	2-11-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN		
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		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE	3-8-05	AC
E	FIRING PIN INDENT	3-8-05	AC
640	TARGET	2-23-05	TRW
655	FINAL INSPECT	3-8-05	AC
660	PACK	3-12-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6611462

ORDER NO.
5716

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

46



5716 C6611462

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611462

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 25	91	RW
500	Proof	3 25	91	RW
607	Check Headspace	3 25	91	RW
610	Dis-assemble Gun	3 25	91	RW
612	Magnaflux Barrel Action	3 28	91	KR
	Magnaflux Bolt	3 28	91	U
615	Rollmark Caliber			JS
617	Drill and Tap Sight Holes		APR 3 1991	LB
618	Polish Barrel		APR 3 1991	LB
620	Apply Coatings (Barrel Action)		4-11-91	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/16/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	RW
	C) Inspect Ejector Hole for Chamfer		4/16/91	RW
	D) Oil Firing Pin Ass'y		4/16/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/6/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/6/91	GU
	G) Safety Off Force	4	4	4			5/6/91	GU
	H) Trigger Pull Test & Retainability						5/6/91	GU
	I) Firing Pin Indent	.0215	.0215	.0215			5/6/91	GU
	J) Assemble Stock						5/7/91	RW
	K) Assemble Swivel Studs						5-9-91	AC
	L) Attach Front and Rear Sight Assemblies						5/7/91	RW
	M) Iron Sight Alignment						5/7/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/7/91	RW
	O) Attach Scope to Rifle						5/7/91	RW
	P) Detach & Attach Scope 20 Times						5/7/91	RW
640	Gallery Target & Test						5/7/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/7/91	KT
655	Final Inspection							
	A) Headspace						5-9-91	K
	B) Trigger Pull	2.39	2.27	2.18	2.19	2.23	5/9/91	GU
	C) Function						5-9-91	K
660	Pack						6-18-91	VF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C-6611462

DATE 5/6/91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.25	2.28	2.28	2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.22	2.28	2.25	2.22	
PULL #3	2.26	2.28	2.28	2.18	
PULL #4	2.29	2.26	2.30	2.19	
PULL #5	2.27	2.32	2.30	2.23	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.31		
PULL #2	3.24	3.30		
PULL #3	3.26	3.26		
PULL #4	3.18	3.25		
PULL #5	3.32	3.18		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.22		4.21
PULL #2	4.32	4.17		4.24
PULL #3	4.23	4.21		4.16
PULL #4	4.53	4.31		4.14
PULL #5	4.25	4.13		4.11
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611462
7 May 1991

CENTROIDAL DISTANCES

0 TO	1	.0964002
1 TO	2	.00860233
1 TO	3	.106892
1 TO	4	.547409
1 TO	5	.155284

4 3 <----POA

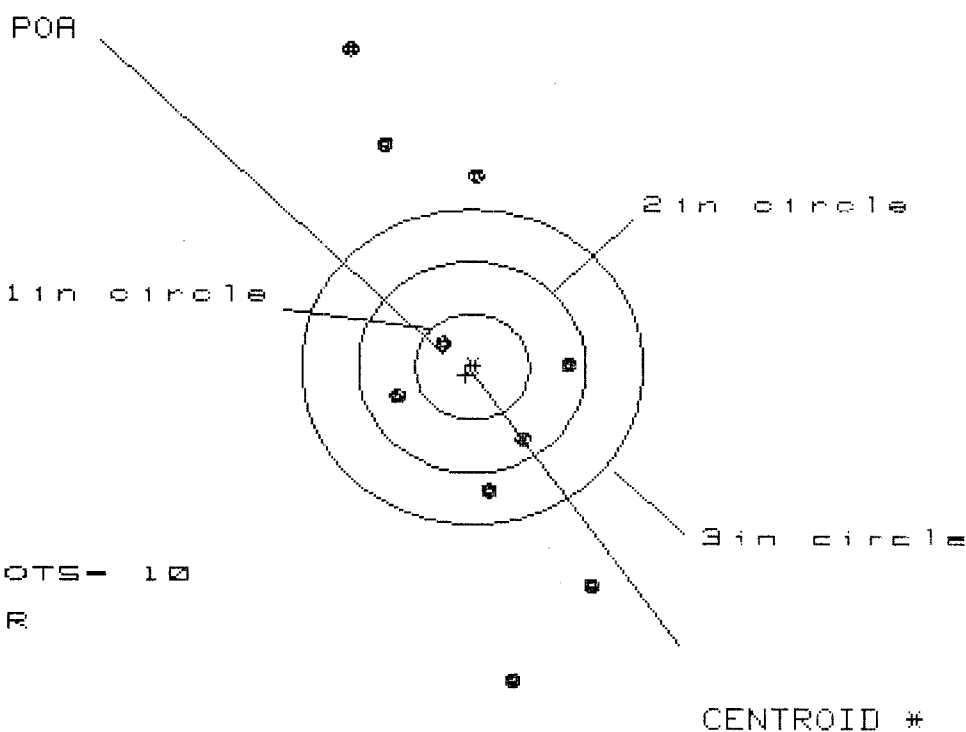
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0282
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1336
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .126544

THE AMR FOR THIS RIFLE IS: 1.279

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611462

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 1

2in - 4

3in - 5

HS- 2.120

VS= 6.018

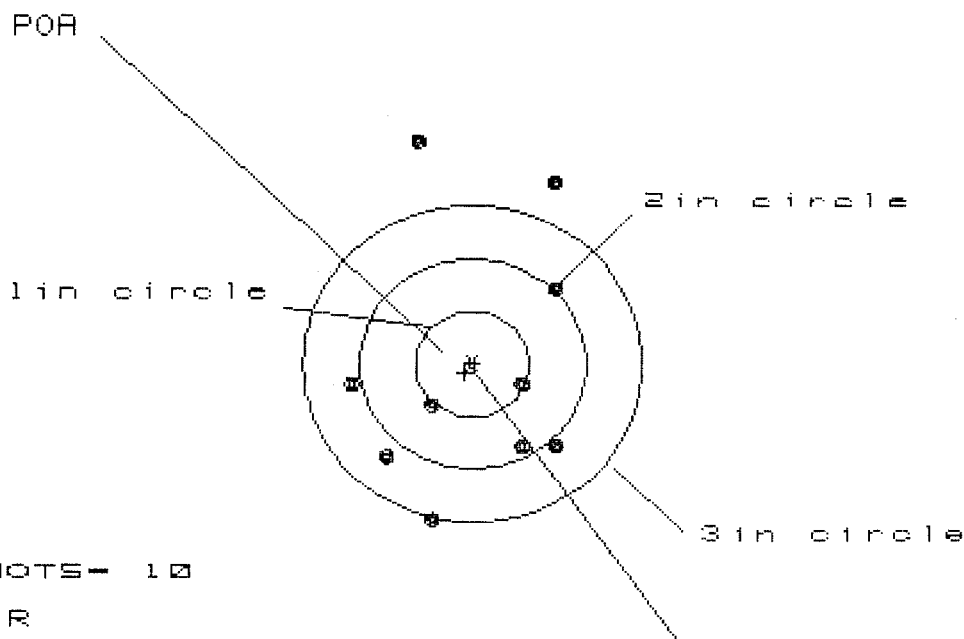
GS= 6.195

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.028	.907	.939
MINIMUM X	:	-1.092	-.857	-.825
MAXIMUM Y	:	3.058	2.422	2.095
MINIMUM Y	:	-2.960	-2.621	-2.065
CENTROID X	:	.058	.179	.147
CENTROID Y	:	.077	-.262	.065
POA TO CENTROID in.	:	.097	.318	.161
MIN RADIUS	:	.344	.490	.427
MEAN RADIUS	:	1.649	1.437	1.283
MAX RADIUS	:	3.247	2.633	2.269
HORIZONTAL SPREAD	:	2.120	1.764	1.764
VERTICAL SPREAD	:	6.018	5.043	4.160
EXTREME SPREAD	:	6.195	5.165	4.519
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	5		

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611462

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 3

3 in - 7

HS- 1.823

VS- 3.637

GS- 3.639

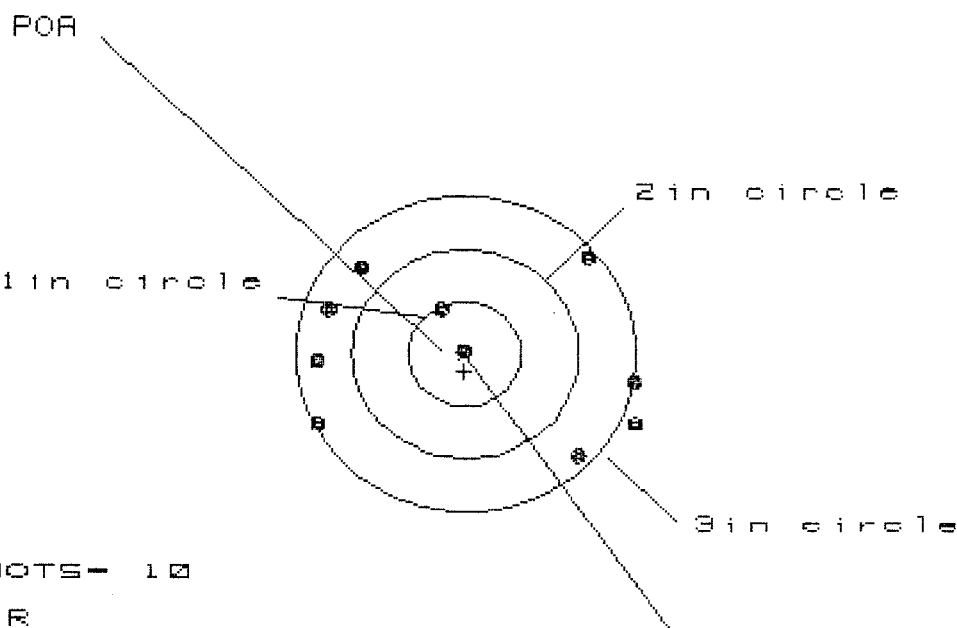
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.769	.714	.800
MINIMUM X	:	-1.054	-1.109	-1.023
MAXIMUM Y	:	2.118	1.984	1.229
MINIMUM Y	:	-1.519	-1.284	-1.036
CENTROID X	:	.065	.120	.034
CENTROID Y	:	.082	-.153	-.401
POA TO CENTROID in.	:	.105	.194	.402
MIN RADIUS	:	.439	.339	.388
MEAN RADIUS	:	1.187	1.020	.847
MAX RADIUS	:	2.175	2.099	1.466
HORIZONTAL SPREAD	:	1.823	1.823	1.823
VERTICAL SPREAD	:	3.637	3.268	2.265
EXTREME SPREAD	:	3.639	3.454	2.539
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611462

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 2

3 in = 9

HS= 2.750

VS= 1.888

GS= 2.897

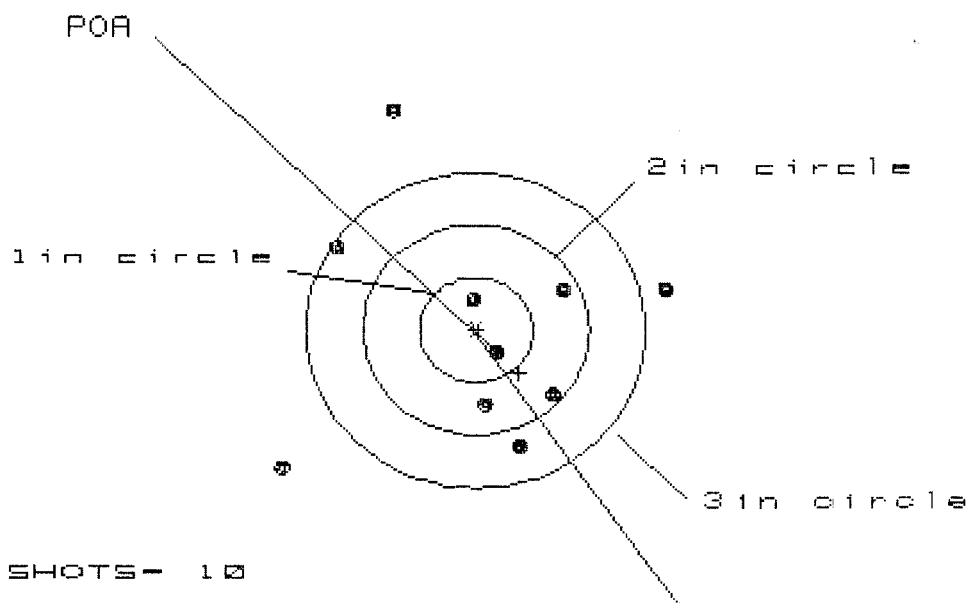
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.472	1.633	1.479
MINIMUM X	:	-1.288	-1.127	-.923
MAXIMUM Y	:	.926	.855	.812
MINIMUM Y	:	-.962	-1.033	-1.076
CENTROID X	:	.009	-.152	-.356
CENTROID Y	:	.172	.243	.286
POA TO CENTROID in.	:	.173	.287	.457
MIN RADIUS	:	.054	.122	.329
MEAN RADIUS	:	1.180	1.110	1.016
MAX RADIUS	:	1.582	1.668	1.749
HORIZONTAL SPREAD	:	2.760	2.760	2.402
VERTICAL SPREAD	:	1.888	1.888	1.888
EXTREME SPREAD	:	2.897	2.878	2.878
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		9	

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611462

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 3.308

VS= 3.469

GS= 3.751

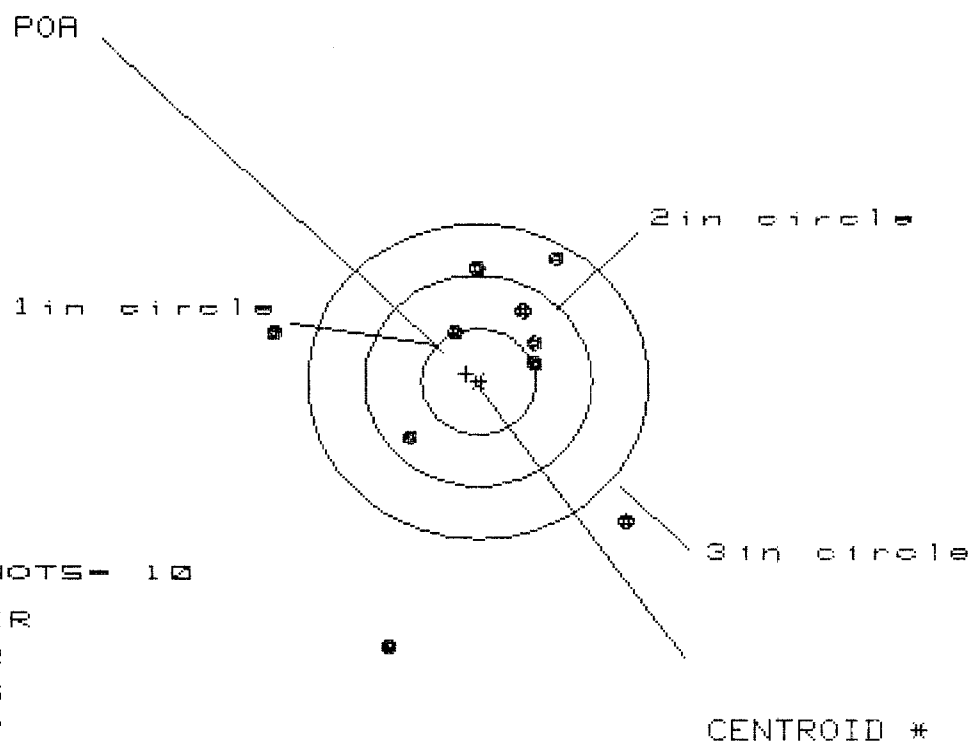
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.629	1.553	1.333
MINIMUM X	:	-1.679	-1.755	-1.534
MAXIMUM Y	:	2.128	1.005	.867
MINIMUM Y	:	-1.341	-1.104	-1.003
CENTROID X	:	-.378	-.302	-.083
CENTROID Y	:	.408	.171	.309
POA TO CENTROID in.	:	.556	.347	.320
MIN RADIUS	:	.284	.074	.203
MEAN RADIUS	:	1.175	1.006	.859
MAX RADIUS	:	2.237	2.074	1.761
HORIZONTAL SPREAD	:	3.308	3.308	2.867
VERTICAL SPREAD	:	3.469	2.109	1.870
EXTREME SPREAD	:	3.751	3.751	2.887
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611462

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in - 2

2in - 5

3in = 7

HS- 3.030

VS= 3.744

GS= 4.038

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.250	1.162	.928
MINIMUM X	:	-1.780	-1.868	-.951
MAXIMUM Y	:	1.181	.896	.916
MINIMUM Y	:	-2.563	-1.578	-1.558
CENTROID X	:	.105	.193	.427
CENTROID Y	:	-.071	.214	.194
POA TO CENTROID in.	:	.127	.288	.469
MIN RADIUS	:	.484	.333	.175
MEAN RADIUS	:	1.205	.947	.792
MAX RADIUS	:	2.682	1.960	1.814
HORIZONTAL SPREAD	:	3.030	3.030	1.879
VERTICAL SPREAD	:	3.744	2.474	2.474
EXTREME SPREAD	:	4.038	3.494	2.694
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611462
8 May 1991

CENTROIDAL DISTANCES

0 TO	1	.329874
1 TO	2	.391368
1 TO	3	.422204
1 TO	4	.4478
1 TO	5	.415987

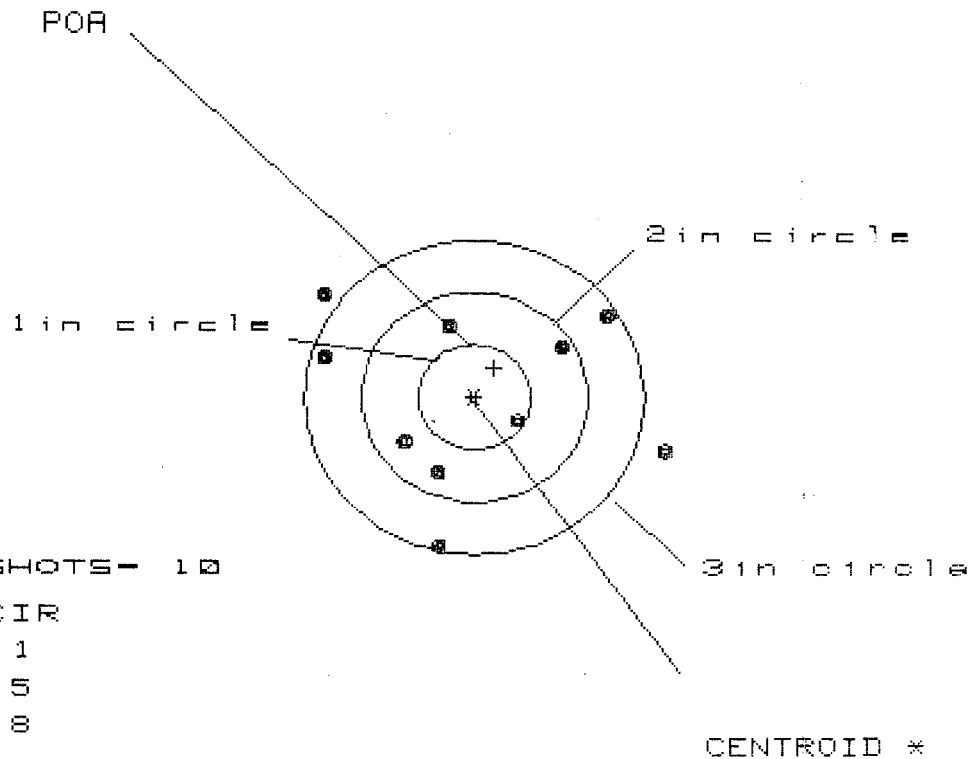
2.4 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0612
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0364
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0712067
THE AMR FOR THIS RIFLE IS: .879

8 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611462.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 5

3 in - 8

HS- 3.066

VS= 2.397

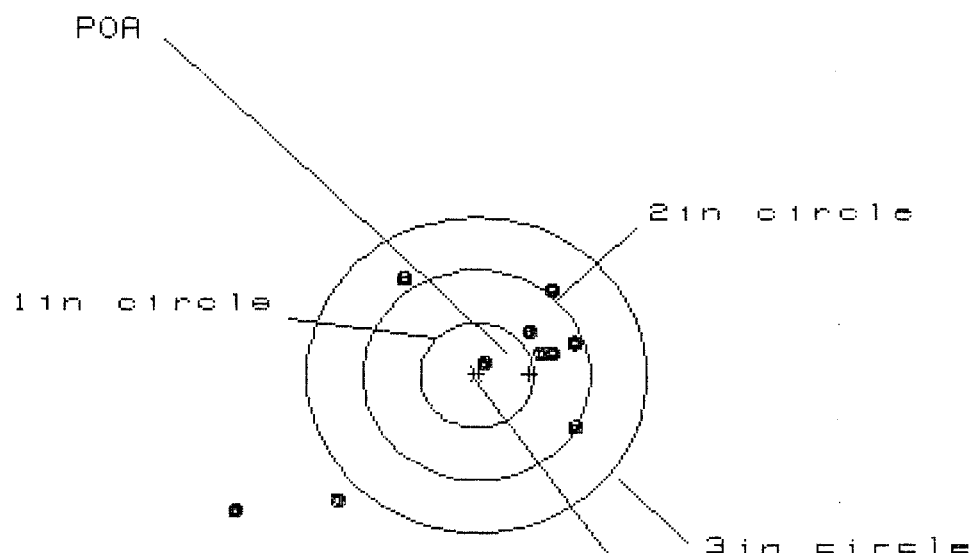
GS= 3.443

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.700	1.404	1.257
MINIMUM X	:	-1.367	-1.178	-1.276
MAXIMUM Y	:	1.010	.949	.858
MINIMUM Y	:	-1.386	-1.448	-1.330
CENTROID X	:	-.176	-.364	-.217
CENTROID Y	:	-.279	-.218	-.336
POA TO CENTROID in.	:	.330	.424	.400
MIN RADIUS	:	.443	.625	.453
MEAN RADIUS	:	1.130	1.050	.972
MAX RADIUS	:	1.788	1.587	1.522
HORIZONTAL SPREAD	:	3.066	2.582	2.533
VERTICAL SPREAD	:	2.397	2.397	2.188
EXTREME SPREAD	:	3.443	2.657	2.657
NUMBER IN ONE INCH CIRCLE	=	1		
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 = 1

2in = 7

3in = 8

HS= 2.989

VS= 2.194

GS= 3.419

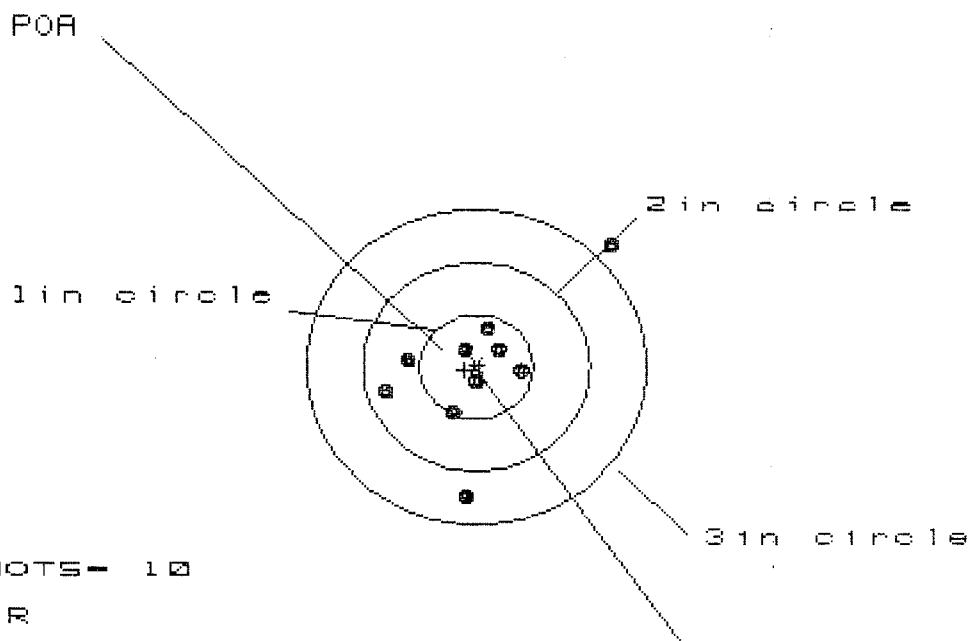
CENTROID *

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.882
MINIMUM X	:	-2.107
MAXIMUM Y	:	.907
MINIMUM Y	:	-1.287
CENTROID X	:	-.464
CENTROID Y	:	-.014
POA TO CENTROID in.	:	.464
MIN RADIUS	:	.159
MEAN RADIUS	:	1.021
MAX RADIUS	:	2.469
HORIZONTAL SPREAD	:	2.989
VERTICAL SPREAD	:	2.194
EXTREME SPREAD	:	3.419
NUMBER IN ONE INCH CIRCLE =	:	1
NUMBER IN TWO INCH CIRCLE =	:	7
NUMBER IN THREE INCH CIRCLE =	:	8

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 6

2 in - 8

3 in - 9

HS- 2.002

VS= 2.400

GS= 2.724

CENTROID *

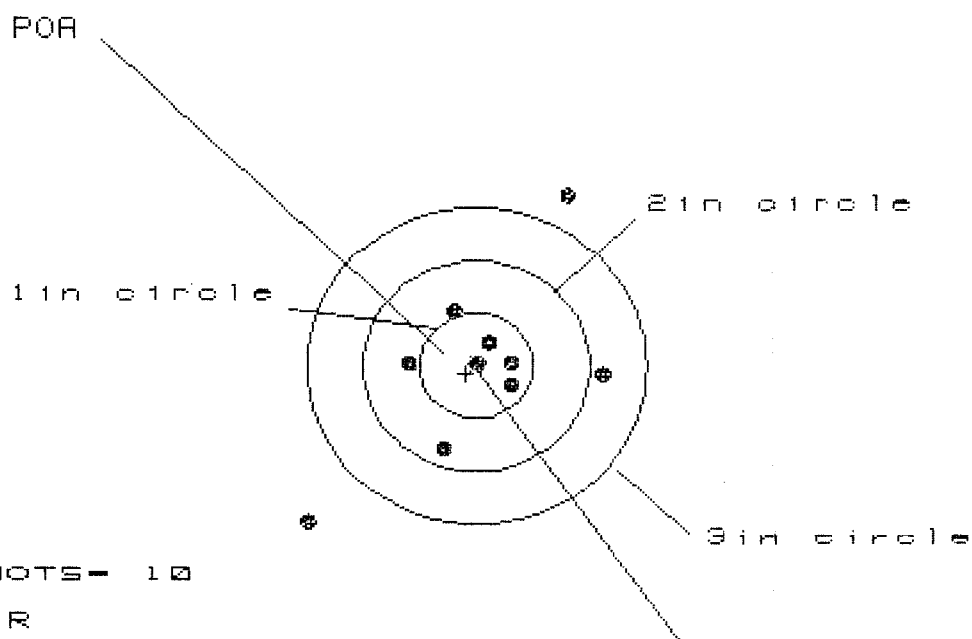
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.183	.560	.563
MINIMUM X	:	-.819	-.687	-.684
MAXIMUM Y	:	1.182	.524	.389
MINIMUM Y	:	-1.218	-1.087	-.422
CENTROID X	:	.104	-.028	-.031
CENTROID Y	:	.037	-.094	.041
POA TO CENTROID in.	:	.110	.098	.052
MIN RADIUS	:	.110	.101	.149
MEAN RADIUS	:	.628	.512	.419
MAX RADIUS	:	1.673	1.087	.726
HORIZONTAL SPREAD	:	2.002	1.247	1.247
VERTICAL SPREAD	:	2.400	1.611	.811
EXTREME SPREAD	:	2.724	1.620	1.266
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 2.581

VS= 3.151

GS= 3.895

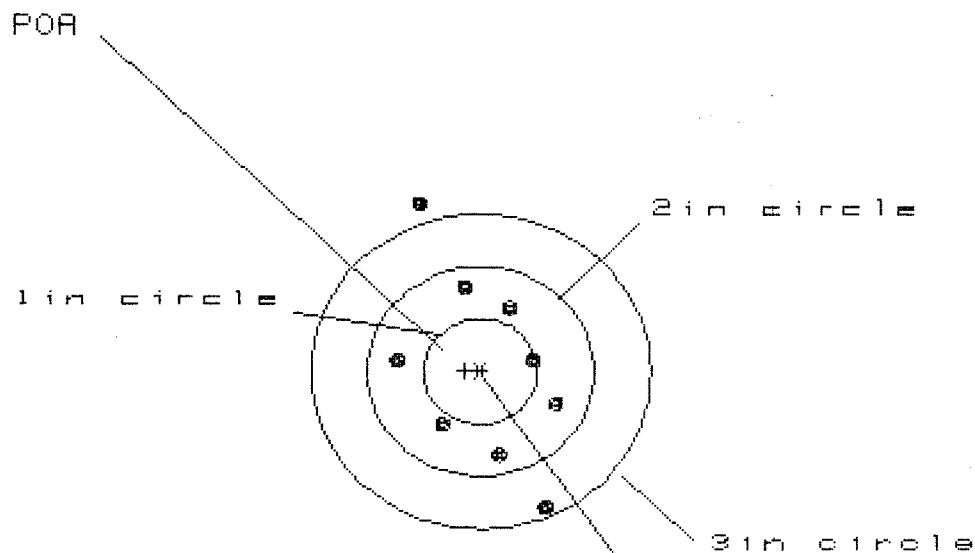
CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.067	.898	.974
MINIMUM X	:	-1.514	-.746	-.670
MAXIMUM Y	:	1.665	1.499	.511
MINIMUM Y	:	-1.486	-.938	-.750
CENTROID X	:	.093	.262	.186
CENTROID Y	:	.079	.245	.057
POA TO CENTROID	:	.123	.358	.194
MIN RADIUS	:	.056	.108	.146
MEAN RADIUS	:	.789	.636	.492
MAX RADIUS	:	2.122	1.617	.975
HORIZONTAL SPREAD	:	2.581	1.644	1.644
VERTICAL SPREAD	:	3.151	2.437	1.261
EXTREME SPREAD	:	3.895	2.643	1.647
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 8

3 in - 9

HS- 1.416

VS= 2.828

GS= 3.016

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.676	.619	.680
MINIMUM X	-.740	-.797	-.736
MAXIMUM Y	1.581	.937	.803
MINIMUM Y	-1.247	-1.071	-.727
CENTROID X	.137	.194	.133
CENTROID Y	-.005	-.181	-.047
POA TO CENTROID in.	.138	.265	.141
MIN RADIUS	.436	.464	.454
MEAN RADIUS	.827	.714	.654
MAX RADIUS	1.661	1.175	.818
HORIZONTAL SPREAD	1.416	1.416	1.416
VERTICAL SPREAD	2.828	2.008	1.530
EXTREME SPREAD	3.016	2.126	1.550
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		