

FORM

UPC



0 47700 25716 7

C6649181

*INCLUDES 1 IN CHAMBER

MODEL 700 TM M24	ORDER NO. 5716
BARREL LENGTH	
CAPACITY*	

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00102292** Serial: C6649181 Model: M24 SWS Center Fire Caliber: 7.612 NATO Repairman: Status: Closed 10/14/2005 7:42:57 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☒ Received From

Name: **HHC 2 128TH IN BN** **HHC 2 128TH IN BN**

Address 1: **2490 25TH STREET** **2490 25TH STREET**

Address 2: PO Box: PO Box:

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **NA**

Fax:

Email:

Comments:

Received Condition

Condition: **Fair**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A018	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

inqltj 10/14/2005 7:57 AM CAPS NUM IINS SCPL

start 3 4 2

Serial Number: **C6649181**

Model: **M24 SWS**



RE00102292

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 10-24-05

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS	COMMENTS
PULL #1	2.60	2.49	2.47	
PULL #2	2.57	2.64	2.45	
PULL #3	2.66	2.71	2.40	
PULL #4	2.51	2.51	2.44	
PULL #5	2.50	2.49	2.52	
TOTAL	12.84	12.84	12.28	
AVERAGE	2.56	2.56	2.45	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES	COMMENTS
PULL #1	3.19	3.10	
PULL #2	2.99	3.18	
PULL #3	2.87	3.16	
PULL #4	2.93	3.17	
PULL #5	2.99	3.06	
TOTAL	14.97	15.67	
AVERAGE	2.99	3.13	

	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	4.18	4.14		4.08
PULL #2	4.14	4.07		4.13
PULL #3	3.97	4.17		4.14
PULL #4	4.13	4.21		4.12
PULL #5	4.11	4.21		4.10
TOTAL	20.53	20.80		20.57
AVERAGE	4.10	4.16		4.11

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6449181.___0
FILE DATE AND TIME: 10/24/2005 09:53

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.114
The Average Y Centroid of the Five Target Set:	-0.078
The Average Point of Impact of the Five Target Set:	0.138
The Average Mean Radius of the Five Target Set:	0.733
The Distance from POA to Centroid Target #1:	0.117
The Distance from Centroid Target #2 to Centroid Target #1:	0.173
The Distance from Centroid Target #3 to Centroid Target #1:	0.133
The Distance from Centroid Target #4 to Centroid Target #1:	0.268
The Distance from Centroid Target #5 to Centroid Target #1:	0.230

SERIAL NUMBER: G6449181. 0

TARGET NUMBER: 1

FILE DATE: 10/24/2005

FILE TIME: 09:53

POINT#	X	Y
1:	0.477	-1.289
2:	0.330	-0.680
3:	0.178	-0.289
4:	-0.271	-0.382
5:	-0.811	-0.402
6:	-1.145	0.554
7:	0.067	0.849
8:	0.439	0.112
9:	0.070	0.045
10:	0.168	0.424

X CENTROID: -0.050

Y CENTROID: -0.106

POA TO CENTROID: 0.117

HORZ SPREAD: 1.622

VERT SPREAD: 2.138

GROUP SPREAD: 2.455

MIN RADIUS: 0.193

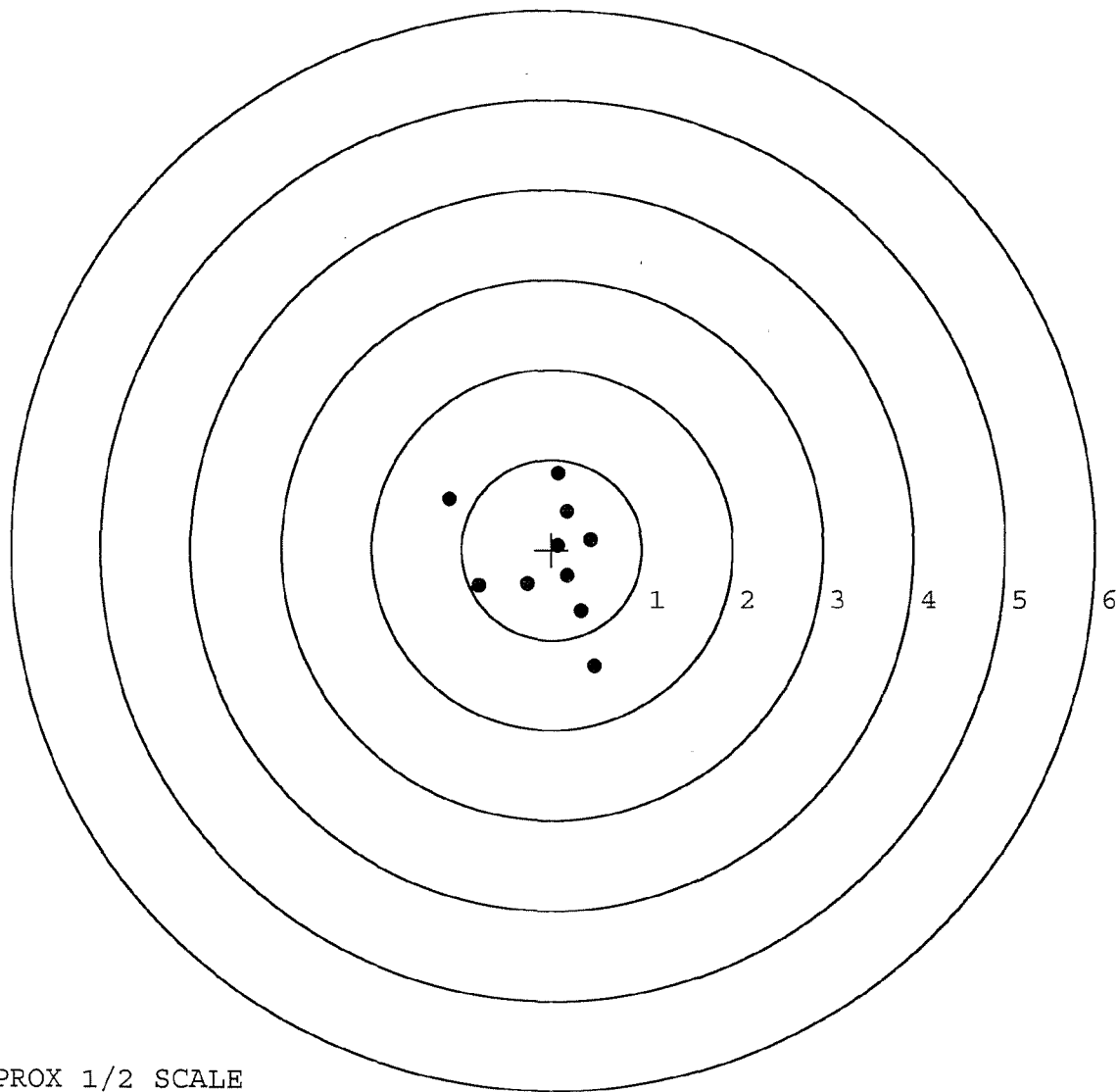
MAX RADIUS: 1.295

MEAN RADIUS: 0.699

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6449181. 0

TARGET NUMBER: 2

FILE DATE: 10/24/2005

FILE TIME: 09:53

X CENTROID: -0.222

Y CENTROID: -0.125

POA TO CENTROID: 0.255

HORZ SPREAD: 2.743

VERT SPREAD: 1.825

GROUP SPREAD: 2.772

MIN RADIUS: 0.275

MAX RADIUS: 1.530

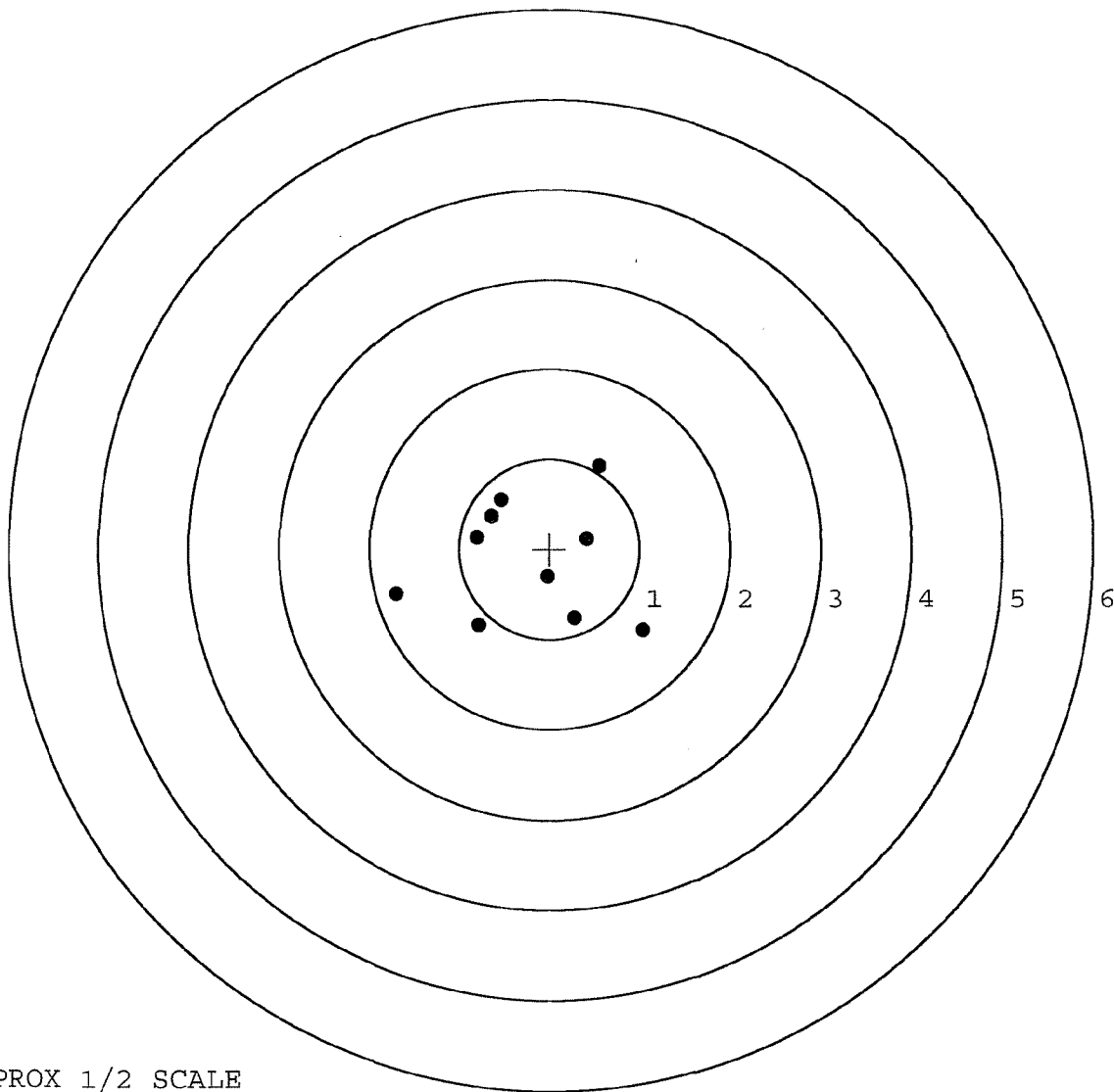
MEAN RADIUS: 0.904

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.038	-0.902
2:	0.283	-0.769
3:	-0.021	-0.312
4:	0.414	0.118
5:	0.554	0.923
6:	-0.546	0.553
7:	-0.804	0.129
8:	-0.784	-0.853
9:	-1.705	-0.500
10:	-0.650	0.363



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6449181. 0

TARGET NUMBER: 3

FILE DATE: 10/24/2005

FILE TIME: 09:53

X CENTROID: 0.060

Y CENTROID: -0.031

POA TO CENTROID: 0.067

HORZ SPREAD: 2.902

VERT SPREAD: 1.390

GROUP SPREAD: 2.943

MIN RADIUS: 0.385

MAX RADIUS: 1.706

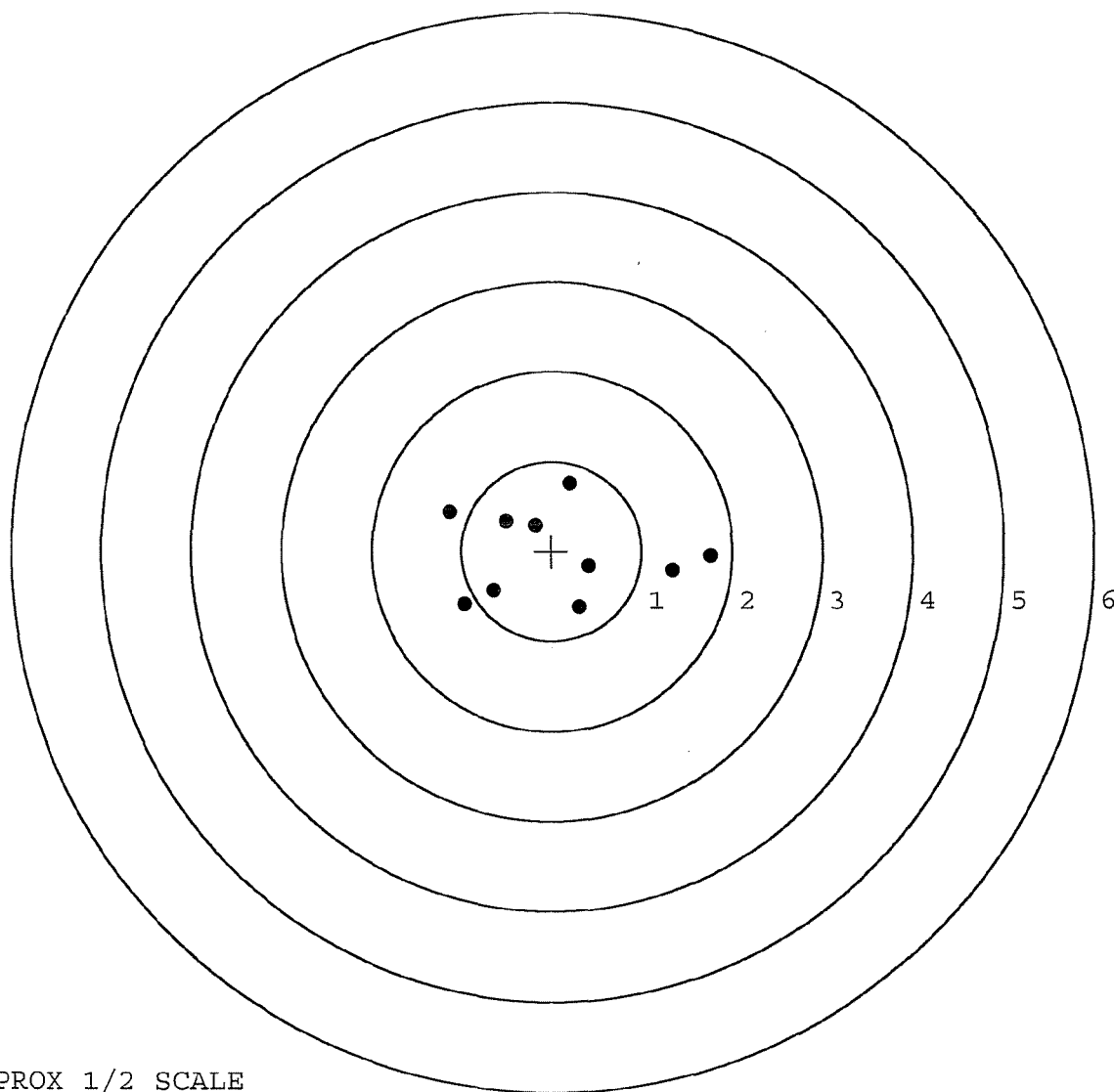
MEAN RADIUS: 0.920

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.766	-0.053
2:	1.344	-0.220
3:	0.420	-0.166
4:	0.308	-0.633
5:	0.202	0.757
6:	-0.181	0.287
7:	-0.511	0.335
8:	-0.642	-0.443
9:	-0.973	-0.605
10:	-1.136	0.435



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6449181. __0

TARGET NUMBER: 4

FILE DATE: 10/24/2005

FILE TIME: 09:53

X CENTROID: -0.146

Y CENTROID: 0.144

POA TO CENTROID: 0.205

HORZ SPREAD: 0.807

VERT SPREAD: 1.260

GROUP SPREAD: 1.263

MIN RADIUS: 0.093

MAX RADIUS: 0.708

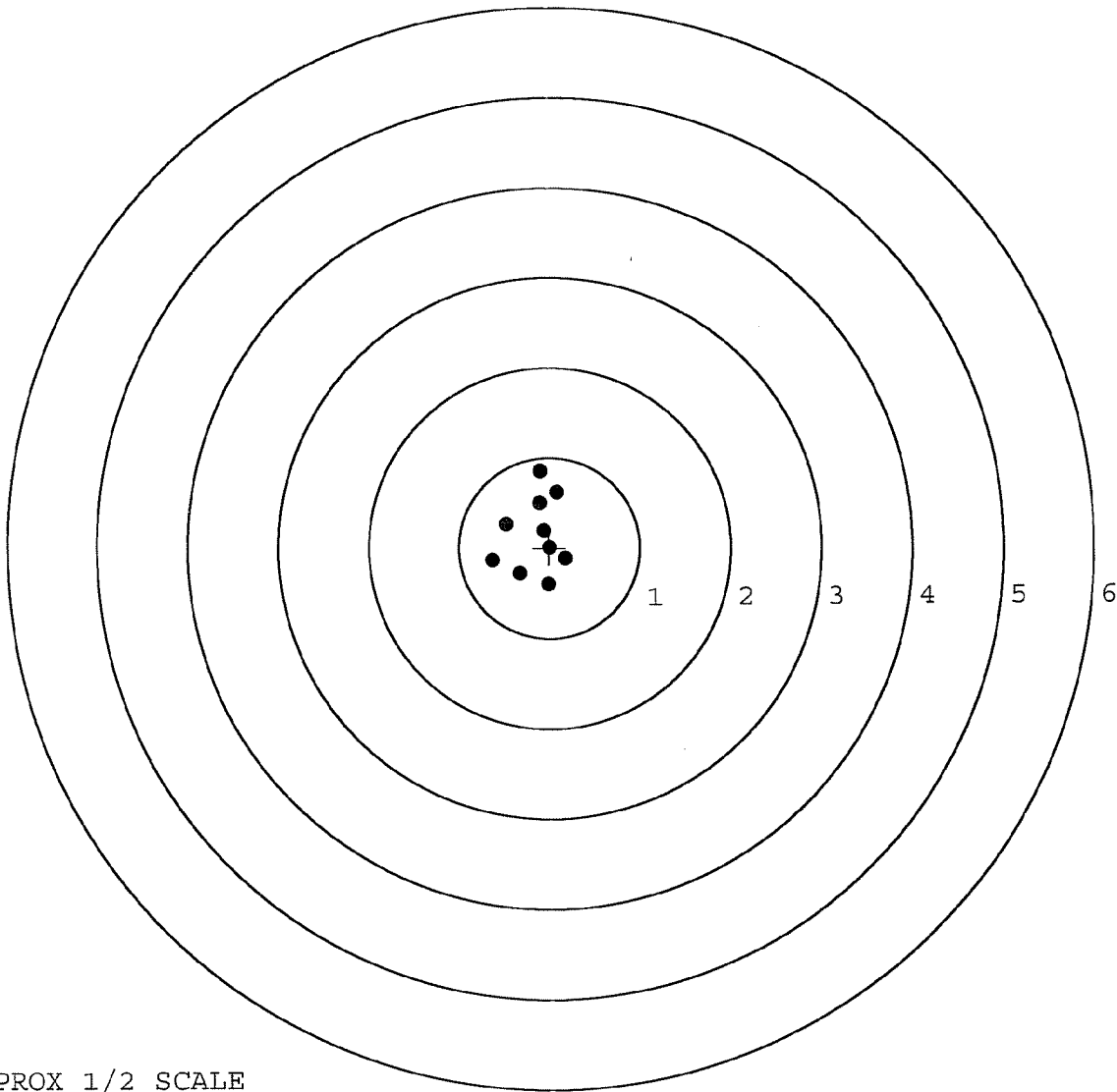
MEAN RADIUS: 0.426

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.089	0.615
2:	-0.107	0.497
3:	-0.105	0.851
4:	0.179	-0.122
5:	-0.017	-0.409
6:	-0.329	-0.293
7:	-0.628	-0.146
8:	-0.474	0.265
9:	-0.064	0.188
10:	-0.002	-0.006



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6449181. 0

TARGET NUMBER: 5

FILE DATE: 10/24/2005

FILE TIME: 09:53

X CENTROID: -0.210

Y CENTROID: -0.270

POA TO CENTROID: 0.342

HORZ SPREAD: 1.353

VERT SPREAD: 2.231

GROUP SPREAD: 2.323

MIN RADIUS: 0.198

MAX RADIUS: 1.537

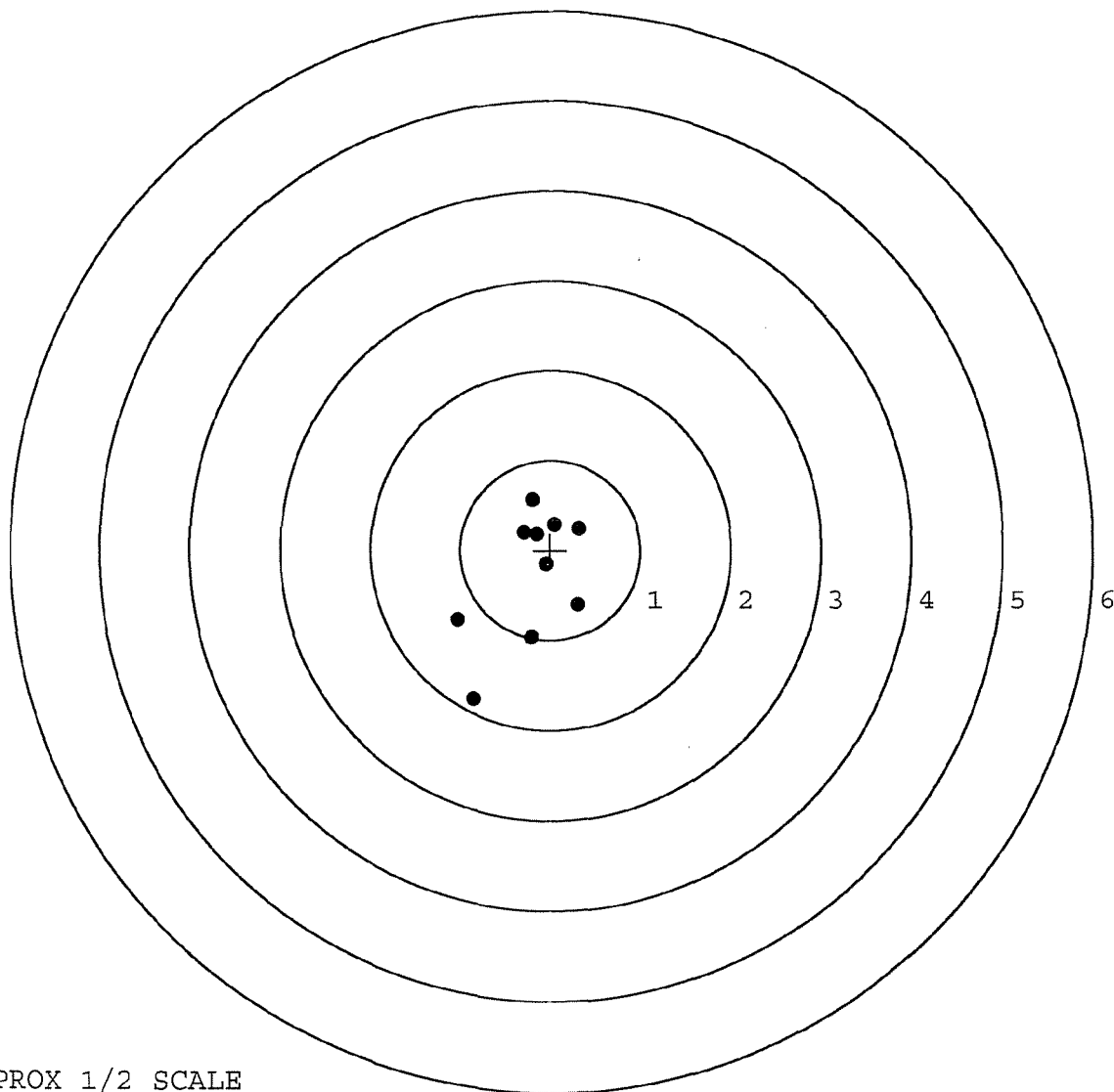
MEAN RADIUS: 0.716

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.313	-0.608
2:	-0.207	-0.978
3:	-0.853	-1.666
4:	-1.028	-0.783
5:	0.325	0.243
6:	-0.048	-0.156
7:	0.041	0.289
8:	-0.149	0.184
9:	-0.288	0.206
10:	-0.204	0.565



TARGET APPROX 1/2 SCALE

USAPPC V1.10

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

R & E NUMBER	102292		
SERIAL NUMBER	C6649181		
LOG-IN DATE	10-14-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-17-05	RTL
560 A	RE-BARREL		
B	DRILL AND TAP	10-20-05	BR
575	ASSEMBLE	10-19-05	CD
600	PROOF	10-19-05	CD
605	CHECK HEADSPACE	10-19-05	CD
610	DIS-ASSEMBLE GUN	10-19-05	CD
612	MAGNAFLUX	10/20/05	unl
615	ROLLMARK CALIBER	10/20/05	CW
618	ROTO-BLAST	10-21-05	LB
620	APPLY COATINGS	10/21/05	HP
625 A	FINAL ASSEMBLY	10-24-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-24-05	TRW
655	FINAL INSPECT	10-27-05	RTL
660	PACK	10-27-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

BARBER - M24 0065822

Remington



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

MODEL 700 TM M24

SERIAL NO.

C6649181

ORDER NO.

5716

20

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



5716 C6649181

ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7

ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649181

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 1 91		RW
600	Proof	10 1 91		RW
607	Check Headspace	10 1 91		RW
610	Dis-assemble Gun	10 1 91		RW
612	Magnaflux Barrel Action		OCT 10 1991	KR
	Magnaflux Bolt		OCT 10 1991	KR
615	Rollmark Caliber		OCT 10 1991	GS
617	Drill and Tap Sight Holes		OCT 10 1991	FB
618	Polish Barrel		10/15/91	WB
620	Apply Coatings (Barrel Action)		11/7/91	WB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/11/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/11/91	RW
	C) Inspect Ejector Hole for Chamfer		11/11/91	RW
	D) Oil Firing Pin Ass'y		11/11/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		12/27/91	WB

op. #	BARBER M24 0065824	READINGS					DATE	INIT
625. cont.	F) Safety On Force	4	4	4			12-27-91	AC
	G) Safety Off Force	3	3	3			12-27-91	AC
	H) Trigger Pull Test & Retainability						12/27/91	WJB
	I) Firing Pin Indent	.021	.020	.020			12-27-91	AC
	J) Assemble Stock						12/30/91	RW
	K) Assemble Swivel Studs						1-3-92	JH
	L) Attach Front and Rear Sight Assemblies						12/30/91	RW
	M) Iron Sight Alignment						12/30/91	RW
	N) Detach Front & Rear Sights & place in numbered container						12/30/91	RW
	O) Attach Scope to Rifle						12/30/91	RW
	P) Detach & Attach Scope 20 Times						12/30/91	RW
640	Gallery Target & Test						1-2-92	DH
	A) Time						1-2-92	DH
	B) Malfunctions						1-2-92	DH
	C) Pierced Primers						1-2-92	DH
	D) Optical Clarity of Scope						1-2-92	DH
645	Inspect for Live Ammo						1-2-92	DH
655	Final Inspection						1-3-92	JH
	A) Headspace						1-3-92	JH
	B) Trigger Pull	2.32	2.28	2.35	2.30	2.27	1-3-92	JH
	C) Function						1-3-92	
660	Pack						1-25-92	N

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C 6649181DATE 12/27/91TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.30	2.36	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.27	2.36	2.28	
PULL #3	2.40	2.28	2.36	2.35	
PULL #4	2.37	2.31	2.31	2.30	
PULL #5	2.30	2.27	2.33	2.27	
TOTAL	11.86	11.43	11.72		
AVG.	2.37	2.29	2.34		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.00		
PULL #2	3.04	3.03		
PULL #3	3.07	2.97		
PULL #4	3.04	3.09		
PULL #5	3.04	3.07		
TOTAL	15.25	15.16		
AVG.	3.05	3.03		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.07	4.10		4.11
PULL #2	4.03	4.10		4.13
PULL #3	4.07	4.10		4.09
PULL #4	4.01	4.02		4.20
PULL #5	4.08	4.00		4.05
TOTAL	20.26	20.32		20.58
AVG.	4.05	4.06		4.12

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649181
2 Jan 1992

CENTROIDAL DISTANCES

0 TO	1	.192338
1 TO	2	.409181
1 TO	3	.3172
1 TO	4	.191167
1 TO	5	.545938

$\bar{x} = \frac{1}{n} \sum_{i=1}^n x_i$ <----POA

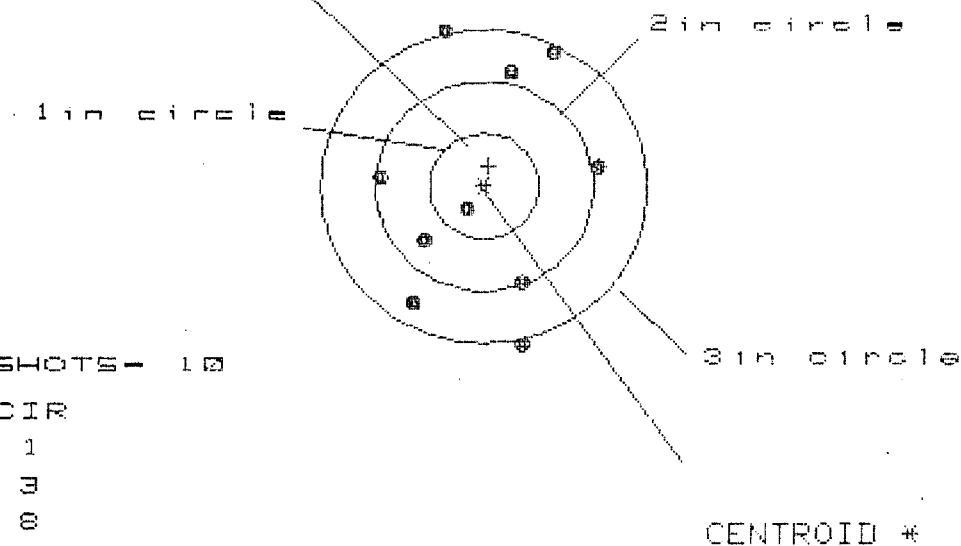
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0758
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0162
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0775113
THE AMR FOR THIS RIFLE IS: 1.219

Jan 1992

FILE:/PATTERNING/CENTERFIRE_PATT/C6649161

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 8

HS= 1.963

VS= 3.004

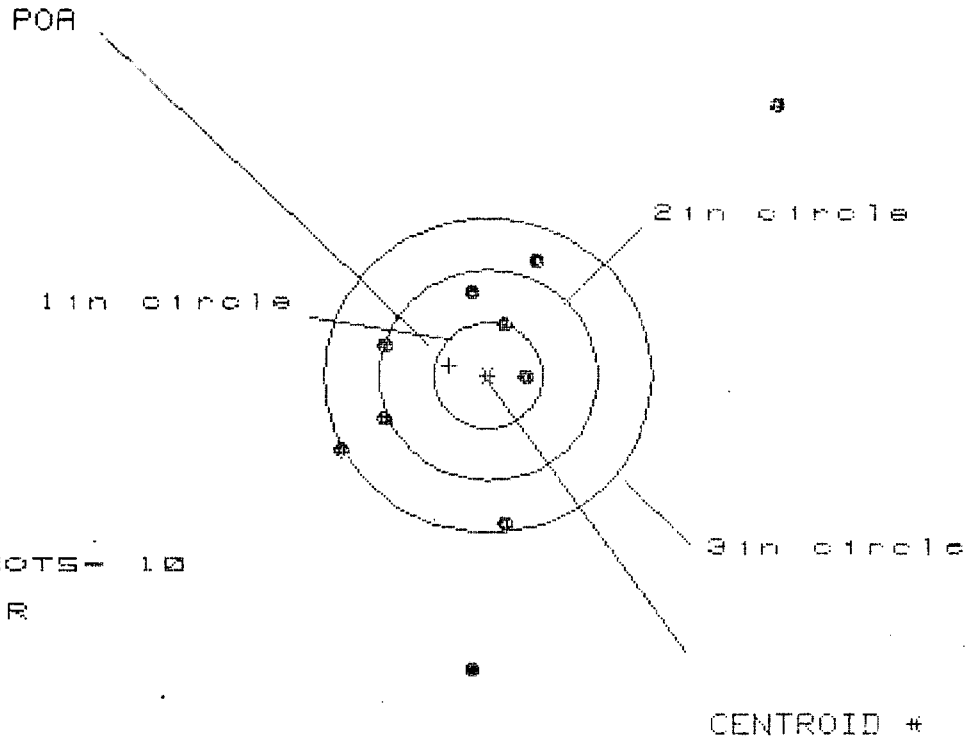
GS= 3.078

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.019	.984	1.023
MINIMUM X	-.944	-.979	-.940
MAXIMUM Y	1.517	1.449	1.284
MINIMUM Y	-1.487	-1.318	-1.095
CENTROID X	-.045	-.010	-.049
CENTROID Y	-.187	-.356	-.191
POA TO CENTROID in.	.193	.356	.197
MIN RADIUS	.272	.224	.266
MEAN RADIUS	1.097	1.025	.986
MAX RADIUS	1.550	1.582	1.451
HORIZONTAL SPREAD	1.963	1.963	1.963
VERTICAL SPREAD	3.004	2.767	2.379
EXTREME SPREAD	3.078	2.785	2.720
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

Jan 1992

FILE:/PATTERNING/CENTERFIRE_PATT/C8649161

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 7

HS= 3.972

VS= 5.479

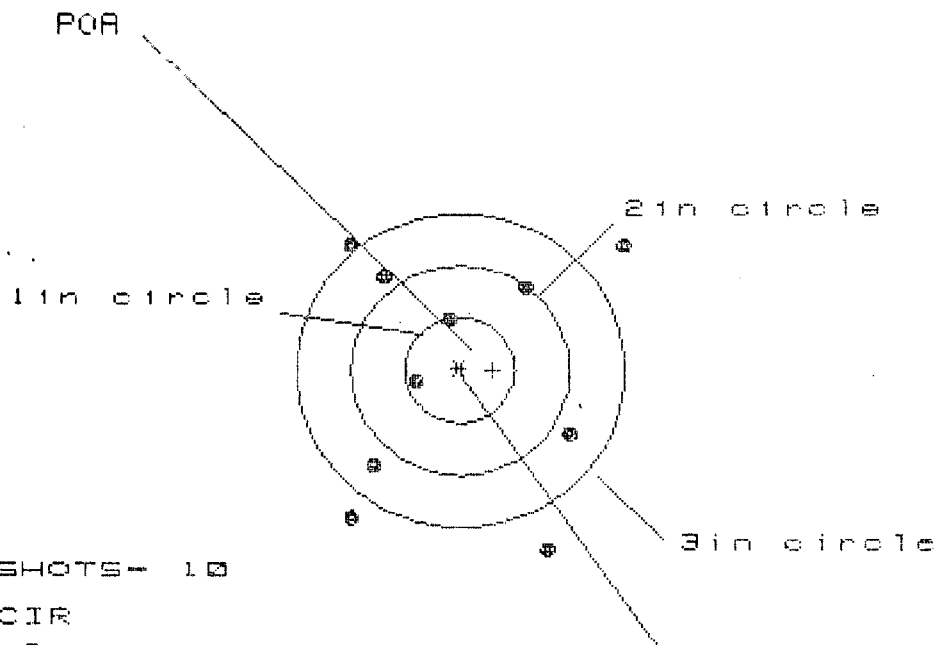
GS= 6.139

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.604	.748	.764
MINIMUM X	-1.368	-1.079	-1.063
MAXIMUM Y	2.639	1.359	1.040
MINIMUM Y	-2.840	-2.546	-1.393
CENTROID X	.353	.064	.048
CENTROID Y	-.092	-.385	-.067
POA TO CENTROID in.	.365	.390	.082
MIN RADIUS	.304	.645	.610
MEAN RADIUS	1.435	1.188	.955
MAX RADIUS	3.708	2.549	1.455
HORIZONTAL SPREAD	3.972	1.827	1.827
VERTICAL SPREAD	5.479	3.905	2.434
EXTREME SPREAD	6.139	3.954	2.533
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

100 1992

FILE:/PATTERNING/CENTERFIRE_PATT/CG649181

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 6

HS= 2.465

VS= 2.903

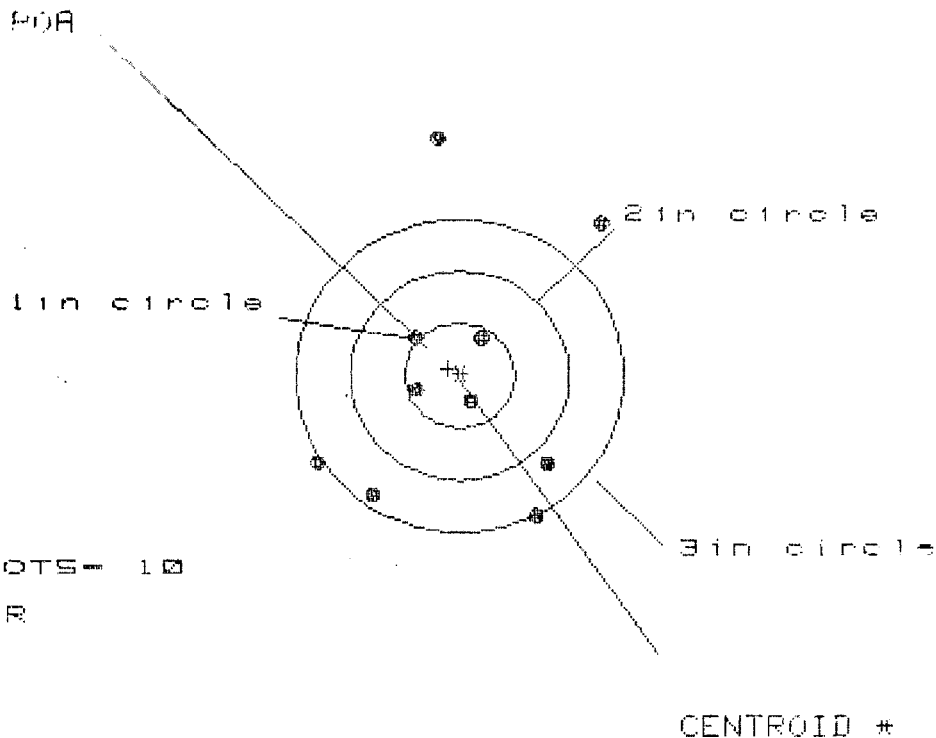
GS= 3.578

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.483	1.213	1.330
MINIMUM X	:	-.982	-.817	-.700
MAXIMUM Y	:	1.230	1.349	1.157
MINIMUM Y	:	-1.673	-1.536	-1.419
CENTROID X	:	-.299	-.464	-.581
CENTROID Y	:	.003	-.134	.059
POA TO CENTROID in.	:	.299	.483	.584
MIN RADIUS	:	.389	.215	.180
MEAN RADIUS	:	1.247	1.155	1.037
MAX RADIUS	:	1.927	1.799	1.583
HORIZONTAL SPREAD	:	2.465	2.030	2.030
VERTICAL SPREAD	:	2.903	2.885	2.576
EXTREME SPREAD	:	3.578	3.360	2.706
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

432

FILE:/PATTERNING/CENTERFIRE_PATT/C6649181

CENTERFIRE PATTERNS # 4



* OF SHOTS- 10

* IN CIR

1 in = 3

2 in = 4

3 in = 6

HS = 2.590

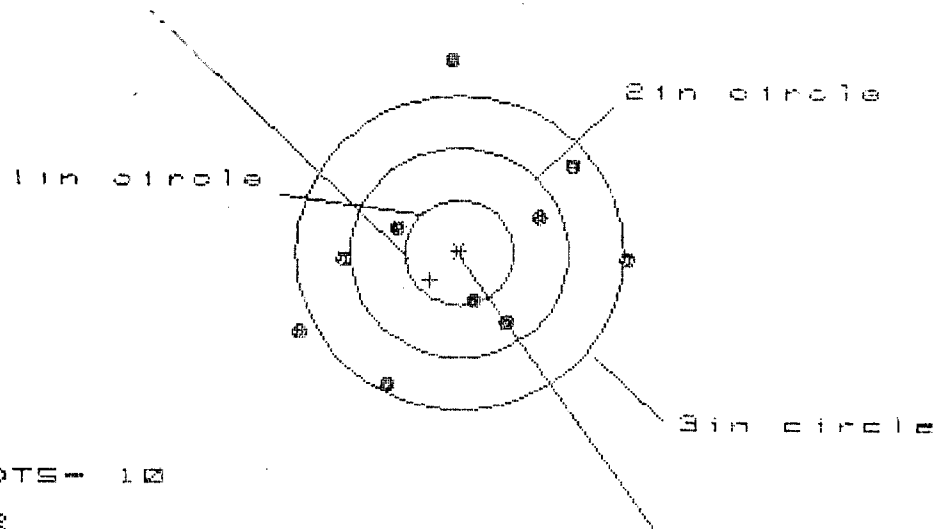
VS = 3.565

ES = 3.695

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.268	1.243	1.963
MINIMUM X	-1.322	-1.347	-1.192
MAXIMUM Y	2.243	1.754	.869
MINIMUM Y	-1.322	-1.073	-.853
CENTROID X	.103	.128	-.027
CENTROID Y	-.066	-.315	-.535
POA TO CENTROID in.	.122	.340	.535
MIN RADIUS	.280	.095	.331
MEAN RADIUS	1.155	1.009	.882
MAX RADIUS	2.255	2.150	1.252
HORIZONTAL SPREAD	2.590	2.590	2.155
VERTICAL SPREAD	3.565	2.827	1.722
EXTREME SPREAD	3.695	3.503	2.155
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

FILE:/PATTERNING/CENTERFIRE_PATT/C6649161

CENTERFIRE PATTERNS # 5



SHOTS- 10

CIR

- 1

- 4

= 7

2.017

3.151

3.211

CENTROID *

P4 #

5

	10	9	8
BEST OF)			
MAXIMUM X	1.526	1.518	1.331
MINIMUM X	-1.491	-1.499	-1.273
MAXIMUM Y	1.866	1.090	1.025
MINIMUM Y	-1.285	-1.077	-1.142
CENTROID X	.267	.275	.462
CENTROID Y	.261	.053	.118
CA TO CENTROID in.	.373	.280	.477
1 IN RADIUS	.443	.243	.300
2 IN RADIUS	1.163	1.056	.980
3 IN RADIUS	1.868	1.585	1.443
HORIZONTAL SPREAD	3.017	3.017	2.604
VERTICAL SPREAD	3.151	2.167	2.167
DIAGONAL SPREAD	3.211	3.085	2.793
IN ONE INCH CIRCLE =		1	
IN TWO INCH CIRCLE =		4	
IN THREE INCH CIRCLE =		7	

CONTRACT # DAAA21-87-C-0086

ENDURANCE GUN #1
LOT RAC91J001-015

GUN SERIAL #

C6696221

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/25/91	KH
600	Proof		6/25/91	KH
607	Check Headspace		6/25/91	KH
610	Dis-assemble Gun		6/25/91	KH
612	Magnaflux Barrel Action	JUL	1 1991	KR
	Magnaflux Bolt	JUL	1 1991	KR
615	Rollmark Caliber	JUL	1 1991	GS.
617	Drill and Tap Sight Holes	JUL	1 1991	LB
618	Polish Barrel	JUL	2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	KS
	C) Inspect Ejector Hole for Chamfer		7/23/91	KS
	D) Oil Firing Pin Ass'y		7/23/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7-31-91	JS

op. #	OP NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			7-31-91	DH
	G) Safety Off Force	4	3 1/2	3 1/2			7-31-91	DH
	H) Trigger Pull Test & Retainability						7-31-91	DL
	I) Firing Pin Indent	.023	.022	.021			7-31-91	DH
	J) Assemble Stock						8/1/91	AS
	K) Assemble Swivel Studs						8-6-91	AC
	L) Attach Front and Rear Sight Assemblies						8/1/91	AS
	M) Iron Sight Alignment						8/1/91	AS
	N) Detach Front & Rear Sights & place in numbered container						8/1/91	AS
	O) Attach Scope to Rifle						8/1/91	AS
	P) Detach & Attach Scope 20 Times						8/1/91	AS
640	Gallery Target & Test						8-1-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						8-1-91	AF
655	Final Inspection							
	A) Headspace						8-6-91	AC
	B) Trigger Pull	2.32	2.29	2.32	2.38	2.30	8-5-91	DL
	C) Function						8-6-91	AC
660	Pack							

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

SERIAL NO. C-6636221DATE 7-31-91TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.66	2.34	2.44	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.40	2.38	2.29	
PULL #3	2.42	2.43	2.40	2.32	
PULL #4	2.15	2.40	2.45	2.38	
PULL #5	2.52	2.32	2.29	2.30	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.60		
PULL #2	3.45	3.25		
PULL #3	3.56	3.60		
PULL #4	3.52	3.45		
PULL #5	3.50	3.64		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.48		4.46
PULL #2	4.21	4.35		4.41
PULL #3	4.20	4.45		4.44
PULL #4	4.41	4.33		4.42
PULL #5	4.20	4.40		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
RIFLE # 06336221
Aug 1991

0 RDS

CENTROIDAL DISTANCES

0 TO	1	.144516
1 TO	2	.215956
1 TO	3	.247879
1 TO	4	.122674
1 TO	5	.0300167

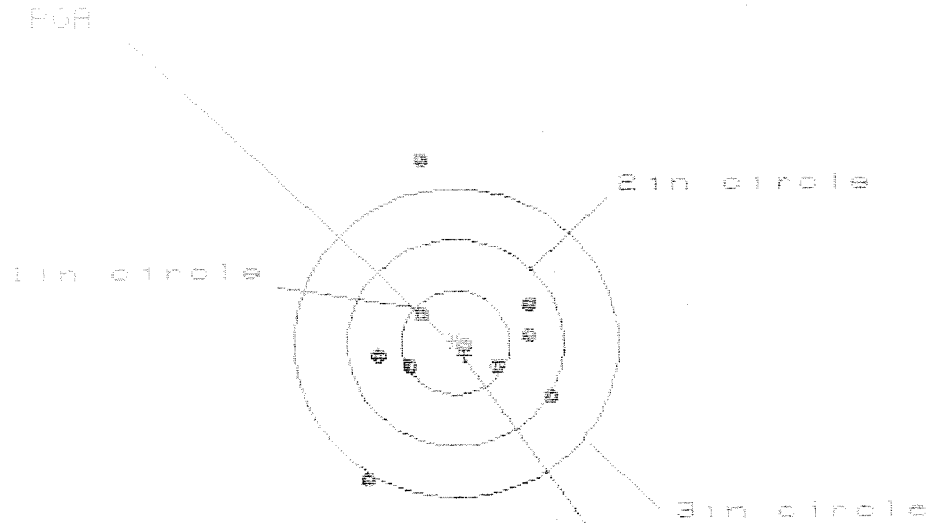
444 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0474
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0422
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0634634

THE AMR FOR THIS RIFLE IS: .9288

FILE:/PATTERNING/CENTERFIRE_PATT/C065836221

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 8

MEAN = 1.706

VS = 2.109

ES = 3.145

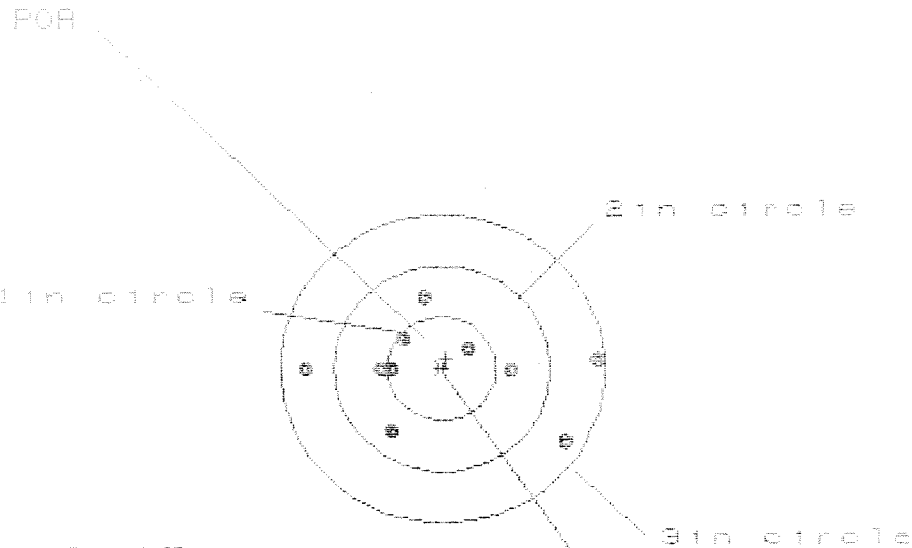
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.865	.824	.714
MINIMUM X	-.841	-.882	-.873
MAXIMUM Y	1.777	.564	.422
MINIMUM Y	-1.332	-1.134	-1.501
CENTROID X	-.082	-.041	.069
CENTROID Y	.119	-.079	.063
FOA TO CENTROID in.	.144	.089	.093
MIN RADIUS	.127	.161	.036
MEAN RADIUS	.811	.694	.562
MAX RADIUS	1.815	1.437	.878
HORIZONTAL SPREAD	1.706	1.706	1.587
VERTICAL SPREAD	2.109	1.698	.923
EXTREME SPREAD	3.145	2.258	1.638
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	8	

1 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06635221

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 2.679

VS = 1.380

ES = 2.681

CENTROID *

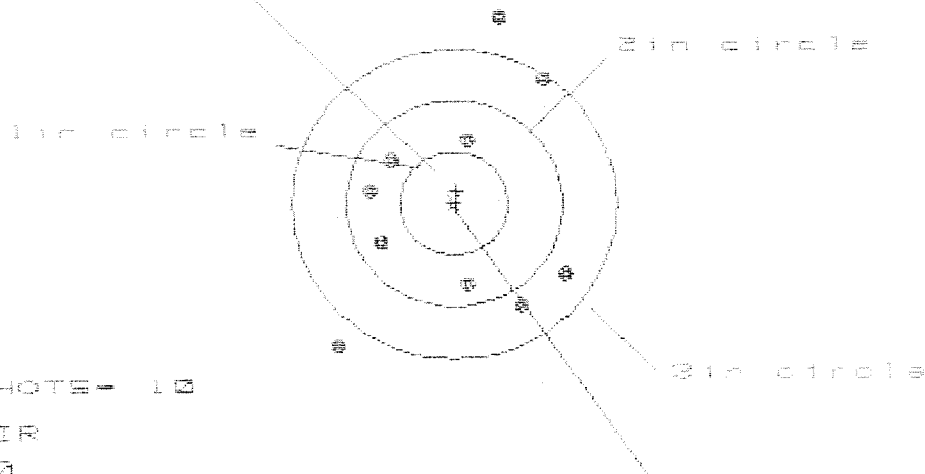
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.496	1.275	.940
MINIMUM X	-1.273	-1.116	-.957
MAXIMUM Y	.709	.723	.640
MINIMUM Y	-.671	-.657	-.660
CENTROID X	-.036	-.193	-.352
CENTROID Y	-.092	-.106	-.024
POR TO CENTROID in.	.099	.220	.353
MIN RADIUS	.282	.348	.193
MEAN RADIUS	.795	.701	.566
MAX RADIUS	1.412	1.434	.958
HORIZONTAL SPREAD	2.679	2.391	1.897
VERTICAL SPREAD	1.380	1.380	1.300
EXTREME SPREAD	2.681	2.488	1.898
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	10	

1 Aug 1981

FILE:/PATTERNING/CENTERFIRE_PATT/0653B221

CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS = 2.047

VS = 3.190

GS = 3.500

CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.015
MINIMUM X	-1.032
MAXIMUM Y	1.846
MINIMUM Y	-1.344
CENTROID X	-0.020
CENTROID Y	-0.121
POA TO CENTROID in.	.123
MIN RADIUS	.588
MEAN RADIUS	1.105
MAX RADIUS	1.891
HORIZONTAL SPREAD	2.047
VERTICAL SPREAD	3.190
EXTREME SPREAD	3.500
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	8

Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636221

CENTERFIRE PATTERNS # 4

POH

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 10

HS = 2.076

VS = 2.379

QS = 2.832

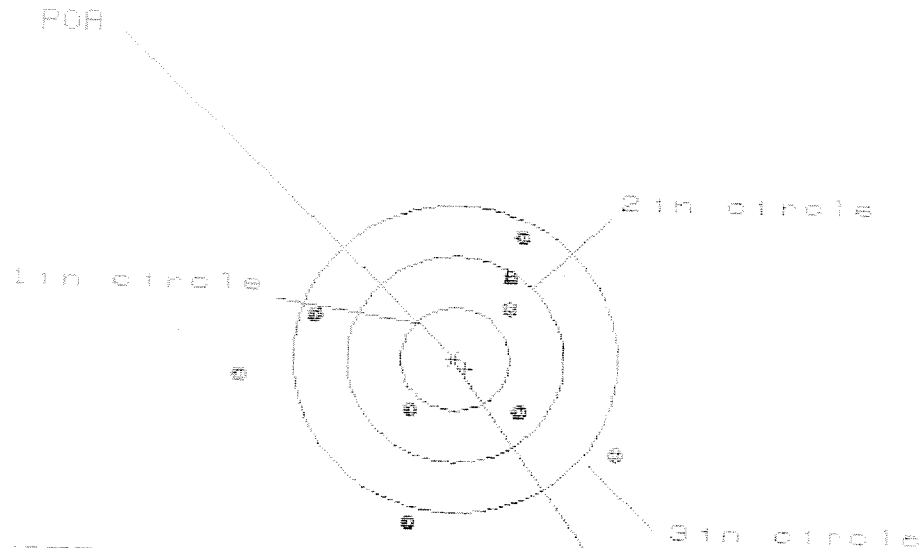
CENTROID +

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.347	1.456	1.399
MINIMUM X	-.729	-.620	-.677
MAXIMUM Y	1.314	1.196	.379
MINIMUM Y	-1.065	-.634	-.485
CENTROID X	-.002	-.111	-.054
CENTROID Y	.212	.330	.181
POA TO CENTROID in.	.212	.348	.189
MIN RADIUS	.211	.077	.195
MEAN RADIUS	.723	.619	.538
MAX RADIUS	1.444	1.477	1.403
HORIZONTAL SPREAD	2.076	2.076	2.076
VERTICAL SPREAD	2.379	1.830	.864
ELLIPSE SPREAD	2.832	2.395	2.077
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

1 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06638221

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 7

HS= 3.536

VS= 2.762

GS= 3.593

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.488	1.261	.540
MINIMUM X	-2.048	-1.528	-1.371
MAXIMUM Y	1.177	1.151	1.038
MINIMUM Y	-1.585	-1.611	-1.724
CENTROID X	-.097	.130	-.027
CENTROID Y	.093	.119	.232
POA TO CENTROID in.	.135	.177	.233
MIN RADIUS	.615	.577	.575
MEAN RADIUS	1.210	1.080	1.012
MAX RADIUS	2.061	1.725	1.783
HORIZONTAL SPREAD	3.536	2.789	1.911
VERTICAL SPREAD	2.762	2.752	2.762
EXTREME SPREAD	3.593	3.064	2.925
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	7	

#1 ENDURANCE GUN

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06636221
22 Aug 1991

SHOT 8/13/91

500 RDS

CENTROIDAL DISTANCES

0 TO	1	.0841754
1 TO	2	.175
1 TO	3	.191651
1 TO	4	.506388
1 TO	5	.539159

5.04 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1284
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1122
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .170515
THE AMR FOR THIS RIFLE IS: .9134

28 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08095221.1

CENTERFIRE PATTERNS # 1

POB

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

IS= 1.542

VS= 3.236

CS= 3.315

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.716	.660	.680
MINIMUM X	-.926	-.982	-.982
MAXIMUM Y	1.545	1.357	1.251
MINIMUM Y	-1.691	-1.604	-1.434
CENTROID X	.070	.126	.106
CENTROID Y	.063	.251	.091
POB TO CENTROID in.	.094	.281	.133
MIN RADIUS	.439	.280	.402
MEAN RADIUS	1.116	1.015	.975
MAX RADIUS	1.764	1.637	1.476
HORIZONTAL SPREAD	1.642	1.642	1.642
VERTICAL SPREAD	3.236	2.961	2.683
EXTREME SPREAD	3.315	2.966	2.687
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/05636221.1

CENTERFIRE PATTERNS # 2

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 10

HS= 1.885

VS= 2.718

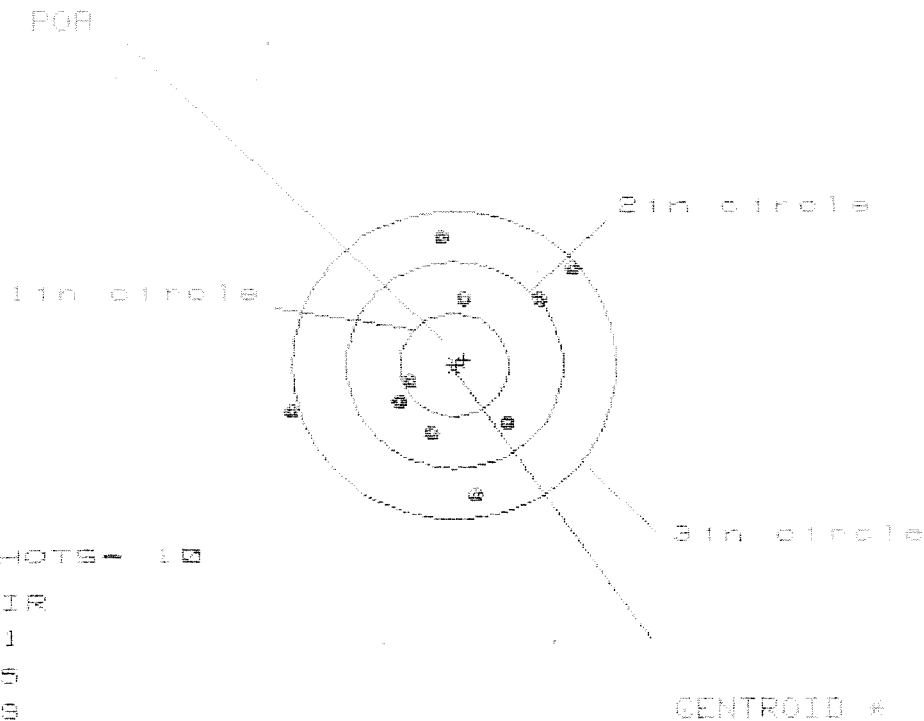
GS= 2.718

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.892	.918	.966
MINIMUM X	-.993	-.967	-.919
MAXIMUM Y	1.324	1.170	1.194
MINIMUM Y	-1.392	-1.407	-1.261
CENTROID X	-.070	-.096	-.144
CENTROID Y	-.042	.112	-.034
POR TO CENTROID in.	.082	.148	.148
MIN RADIUS	.361	.514	.405
MEAN RADIUS	1.006	.966	.915
MAX RADIUS	1.412	1.471	1.317
HORIZONTAL SPREAD	1.885	1.885	1.885
VERTICAL SPREAD	2.718	2.577	2.455
EXTREME SPREAD	2.718	2.702	2.455
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	10	

28 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636221.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 4

HM = 0.930

VM = 0.410

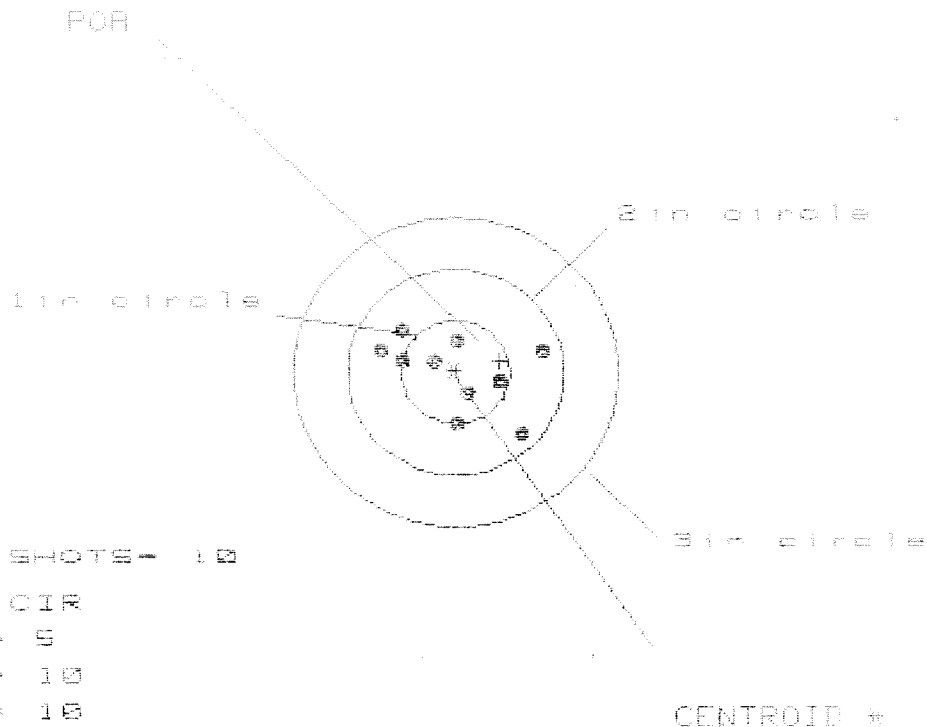
GM = 0.964

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.133	.966	.782
MINIMUM X	-1.502	-.628	-.507
MAXIMUM Y	1.195	1.149	1.261
MINIMUM Y	-1.223	-1.269	-1.157
CENTROID X	-.089	.078	-.043
CENTROID Y	-.044	.002	-.110
POA TO CENTROID in.	.099	.078	.119
MIN RADIUS	.449	.622	.474
MEAN RADIUS	.965	.904	.823
MAX RADIUS	1.559	1.318	1.277
HORIZONTAL SPREAD	2.635	1.594	1.289
VERTICAL SPREAD	2.418	2.418	2.418
EXTREME SPREAD	2.964	2.448	2.448
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636221.1

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 5

2 in = 10

3 in = 10

HE# 1.473

VS# 1.020

GS# 1.553

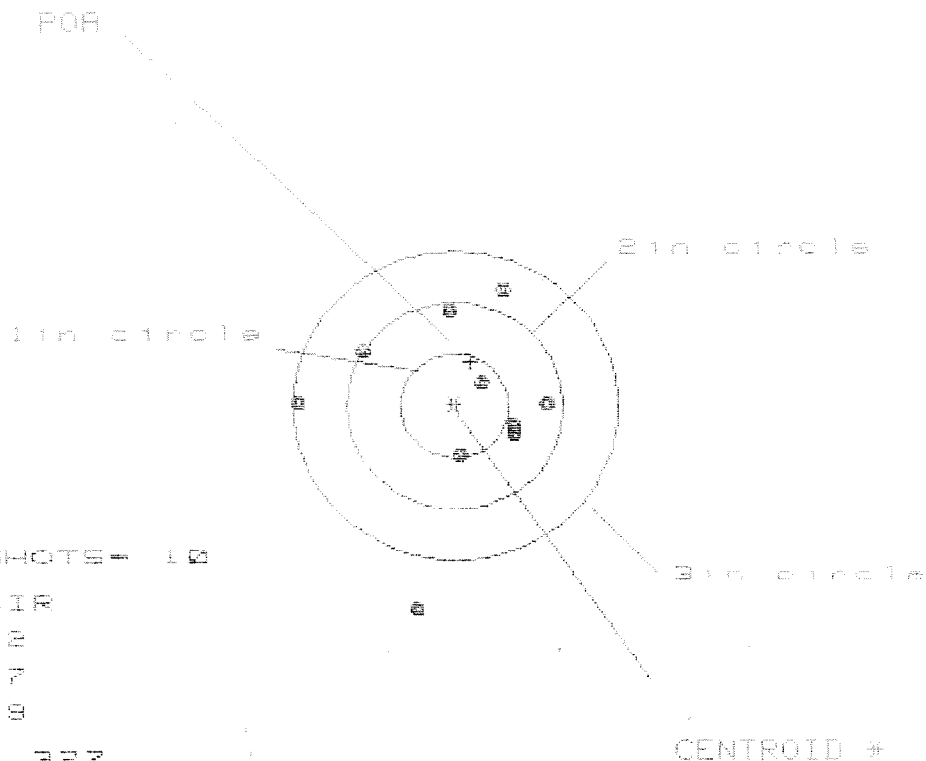
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.778	.845	.610
MINIMUM X	-.695	-.628	-.523
MAXIMUM Y	.391	.321	.340
MINIMUM Y	-.629	-.611	-.592
CENTROID X	-.407	-.474	-.579
CENTROID Y	-.107	-.037	-.056
POR TO CENTROID in.	.421	.475	.382
MIN RADIUS	.178	.143	.101
MEAN RADIUS	.534	.485	.425
MAX RADIUS	.869	.859	.637
HORIZONTAL SPREAD	1.473	1.473	1.133
VERTICAL SPREAD	1.020	.932	.932
EXTREME SPREAD	1.553	1.473	1.199
NUMBER IN ONE INCH CIRCLE	=	5	
NUMBER IN TWO INCH CIRCLE	=	10	
NUMBER IN THREE INCH CIRCLE	=	10	

28 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636291.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 8

HE= 2.327

VS= 3.077

GS= 3.190

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.841	.800	.609
MINIMUM X	-1.486	-1.527	-1.085
MAXIMUM Y	1.127	.910	.892
MINIMUM Y	-1.950	-.671	-.689
CENTROID X	-.146	-.105	.086
CENTROID Y	-.431	-.214	-.196
POA TO CENTROID (in.)	.455	.238	.214
MIN RADIUS	.303	.197	.044
MEAN RADIUS	.946	.810	.669
MAX RADIUS	1.985	1.534	1.115
HORIZONTAL SPREAD	2.327	2.327	1.694
VERTICAL SPREAD	3.077	1.581	1.581
EXTREME SPREAD	3.190	2.327	1.755
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636221
23 Aug 1991

4500 RDS

CENTROIDAL DISTANCES

0 TO	1	.115
1 TO	2	.218261
1 TO	3	.348604
1 TO	4	.0872067
1 TO	5	.0953362

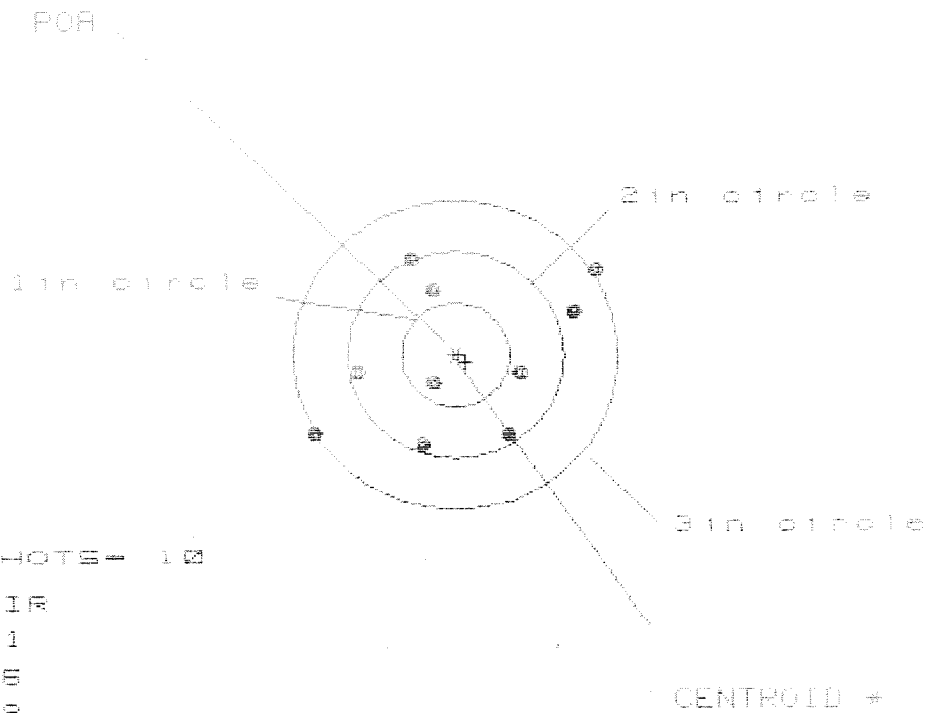
←----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.026
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .013
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0290689
THE AMR FOR THIS RIFLE IS: .8174

23 Aug 1991

FILE: \PATTERNING\CENTERFIRE_PATT\08636221.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.533

VS= 1.750

GS= 3.027

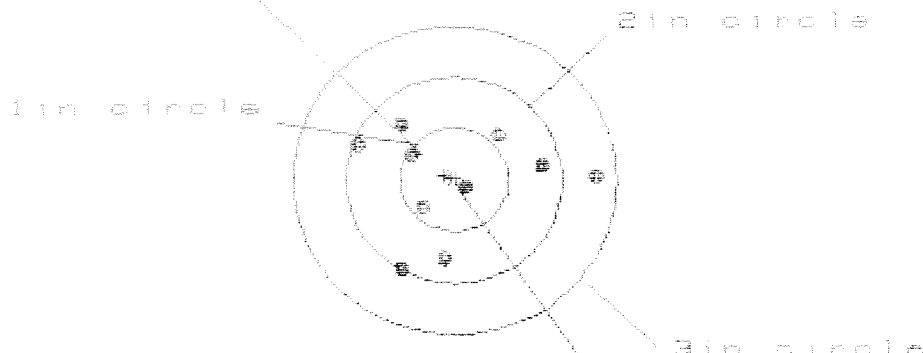
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.259	1.225	1.083
MINIMUM X	-1.274	-1.134	-.920
MAXIMUM Y	.929	1.025	.937
MINIMUM Y	-.821	-.725	-.813
CENTROID X	-.092	-.232	-.090
CENTROID Y	.069	-.027	.061
POA TO CENTROID in.	.115	.233	.109
MIN RADIUS	.288	.134	.283
MEAN RADIUS	.949	.862	.887
MAX RADIUS	1.525	1.347	1.182
HORIZONTAL SPREAD	2.533	2.359	2.060
VERTICAL SPREAD	1.750	1.750	1.750
EXTREME SPREAD	3.027	2.676	2.096
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8836221.1.1

CENTERFIRE PATTERNS # 2

FOR



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.279

VS= 1.393

GS= 2.300

CENTROID #

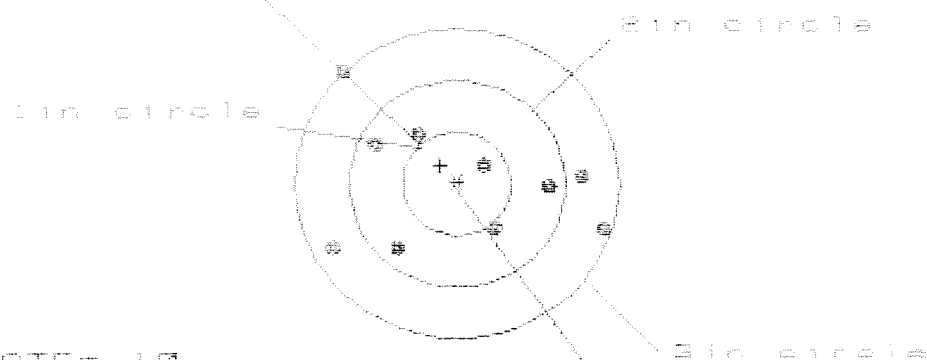
PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.339	.987	.888
MINIMUM X	-.940	-.791	-.474
MAXIMUM Y	.580	.585	.631
MINIMUM Y	-.813	-.808	-.762
CENTROID X	.093	-.056	.043
CENTROID Y	-.043	-.048	-.034
FOR TO CENTROID in.	.102	.074	.103
MIN RADIUS	.129	.270	.184
MEAN RADIUS	.721	.640	.607
MAX RADIUS	1.340	.992	.900
HORIZONTAL SPREAD	2.279	1.778	1.362
VERTICAL SPREAD	1.393	1.393	1.393
EXTREME SPREAD	2.300	1.797	1.636
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636221.1.1

CENTERFIRE PATTERNS # 3

FOR



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.484

VS= 1.747

GS= 2.828

CENTROID #

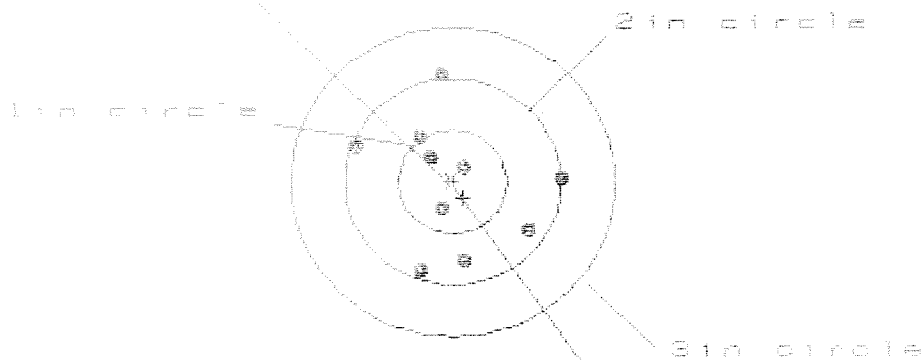
PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.352	1.237	1.194
MINIMUM X	-1.132	-1.247	-1.096
MAXIMUM Y	1.085	.632	.596
MINIMUM Y	-.662	-.542	-.581
CENTROID X	.154	.269	.115
CENTROID Y	-.178	-.298	-.259
FOR TO CENTROID in.	.235	.402	.288
MIN RADIUS	.261	.282	.342
MEAN RADIUS	.928	.851	.799
MAX RADIUS	1.498	1.360	1.238
HORIZONTAL SPREAD	2.484	2.484	2.287
VERTICAL SPREAD	1.747	1.174	1.174
EXTREME SPREAD	2.828	2.494	2.489
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

25 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08698221.1.1

CENTERFIRE PATTERNS # 4

POA



OF SHOTS = 10

IN CIR

1in = 3

2in = 8

3in = 10

HS = 1.918

VS = 1.925

GS = 1.942

CENTROID #

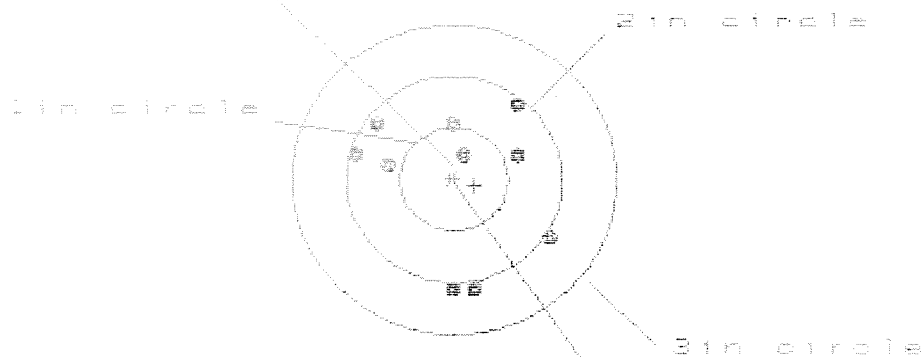
PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.028	1.016	.832
MINIMUM X	-.890	-.902	-.775
MAXIMUM Y	1.068	.565	.589
MINIMUM Y	-.857	-.738	-.714
CENTROID X	-.098	-.086	-.212
CENTROID Y	.156	.037	.013
POA TO CENTROID in.	.184	.093	.213
MIN RADIUS	.162	.187	.150
MEAN RADIUS	.690	.645	.587
MAX RADIUS	1.074	1.034	.933
HORIZONTAL SPREAD	1.918	1.918	1.697
VERTICAL SPREAD	1.925	1.303	1.383
EXTREME SPREAD	1.942	1.942	1.794
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636221.1.1

CENTERFIRE PATTERNS # 5

POA



OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 10

HS = 1.780

VS = 1.829

GS = 1.969

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.884	.910	.697
MINIMUM X	-.896	-.870	-.756
MAXIMUM Y	.751	.631	.542
MINIMUM Y	-1.078	-1.171	-1.260
CENTROID X	-.187	-.212	-.326
CENTROID Y	.061	.181	.270
POA TO CENTROID in.	.196	.279	.423
MIN RADIUS	.263	.155	.189
MEAN RADIUS	.799	.733	.654
MAX RADIUS	1.102	1.171	1.267
HORIZONTAL SPREAD	1.780	1.780	1.453
VERTICAL SPREAD	1.829	1.802	1.802
EXTREME SPREAD	1.969	1.969	1.889
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636221
26 Aug 1991

5000 RDS

CENTROIDAL DISTANCES

0 TO	1	.0961041
1 TO	2	.068
1 TO	3	.154237
1 TO	4	.211303
1 TO	5	.0608276

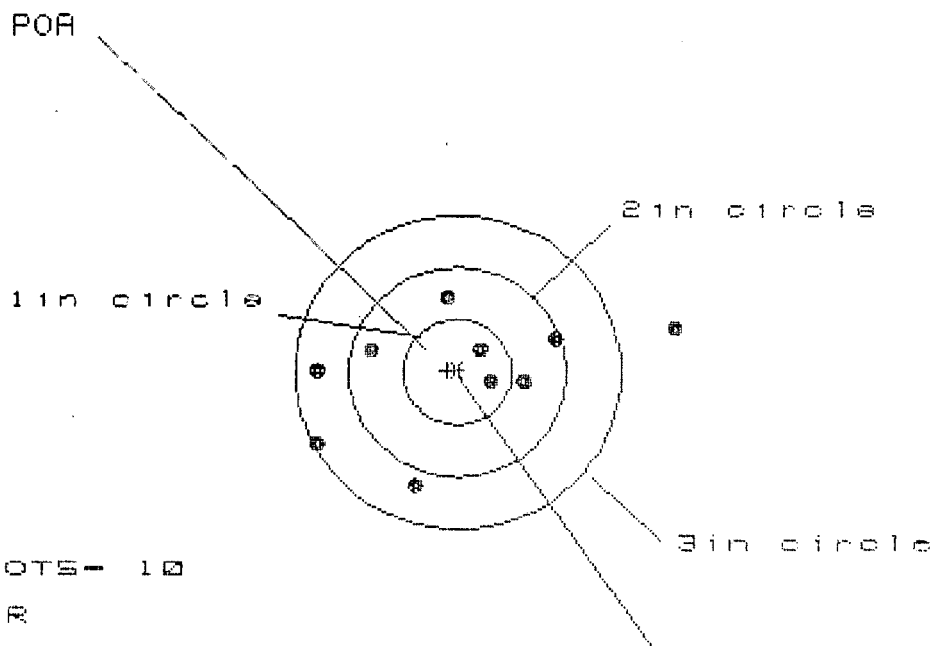
✱ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0798
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0214
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0826196
THE AMR FOR THIS RIFLE IS: .848

26 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636221.1.1.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 6

3 in - 9

HS- 3.300

VS- 1.868

GS- 3.455

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.963	1.085	.946
MINIMUM X	-1.337	-1.119	-1.258
MAXIMUM Y	.764	.810	.736
MINIMUM Y	-1.104	-1.058	-1.133
CENTROID X	.094	-.124	.015
CENTROID Y	-.020	-.066	.008
POA TO CENTROID in.	.097	.140	.017
MIN RADIUS	.247	.448	.290
MEAN RADIUS	.974	.879	.793
MAX RADIUS	2.006	1.259	1.258
HORIZONTAL SPREAD	3.300	2.204	2.204
VERTICAL SPREAD	1.868	1.868	1.868
EXTREME SPREAD	3.455	2.402	2.223
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

26 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636221.1.1.1

CENTERFIRE PATTERNS # 2

POR

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 1.941

VS= 1.985

GS= 2.692

CENTROID #

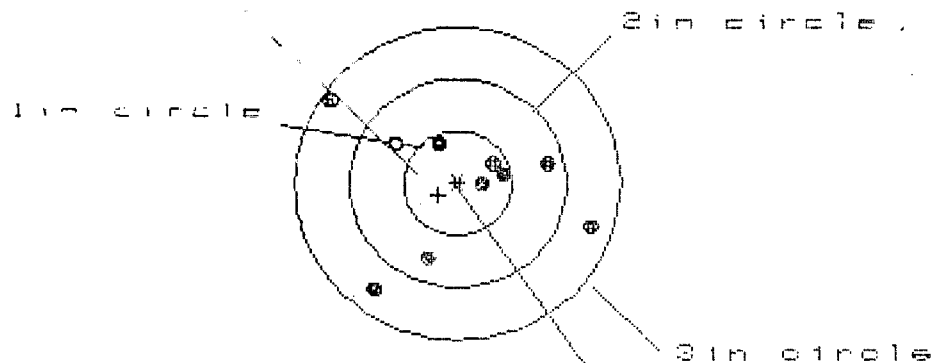
PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.113
MINIMUM X	-.828
MAXIMUM Y	.882
MINIMUM Y	-1.103
CENTROID X	.126
CENTROID Y	-.080
POR TO CENTROID in.	.149
MIN RADIUS	.413
MEAN RADIUS	.895
MAX RADIUS	1.420
HORIZONTAL SPREAD	1.941
VERTICAL SPREAD	1.985
EXTREME SPREAD	2.692
NUMBER IN ONE INCH CIRCLE	1
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	10

26 Aug 1991

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CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 2.330

VS= 1.840

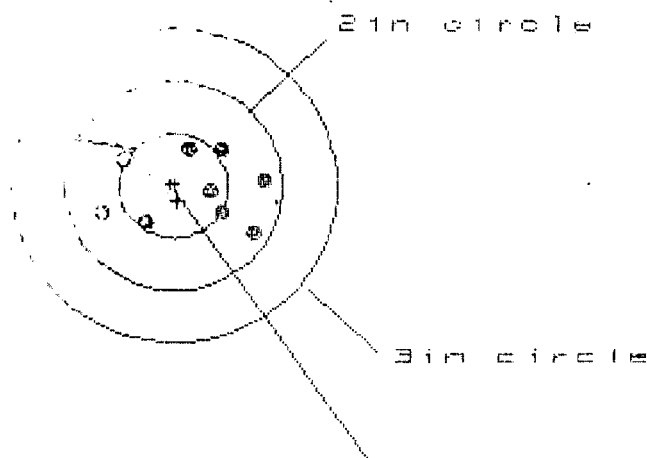
GS= 2.647

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.200	1.075	.961
MINIMUM X	-1.130	-.907	-.862
MAXIMUM Y	.820	.519	.403
MINIMUM Y	-1.020	-.929	-.742
CENTROID X	.177	.302	.416
CENTROID Y	.110	.019	.135
POA TO CENTROID in.	.208	.303	.437
MIN RADIUS	.202	.079	.090
MEAN RADIUS	.782	.694	.577
MAX RADIUS	1.396	1.298	1.066
HORIZONTAL SPREAD	2.330	1.982	1.823
VERTICAL SPREAD	1.840	1.448	1.145
EXTREME SPREAD	2.647	2.066	2.006
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

26 Aug 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 5

2in = 9

3in = 10

HS = 2.223

VS = .820

GS = 2.261

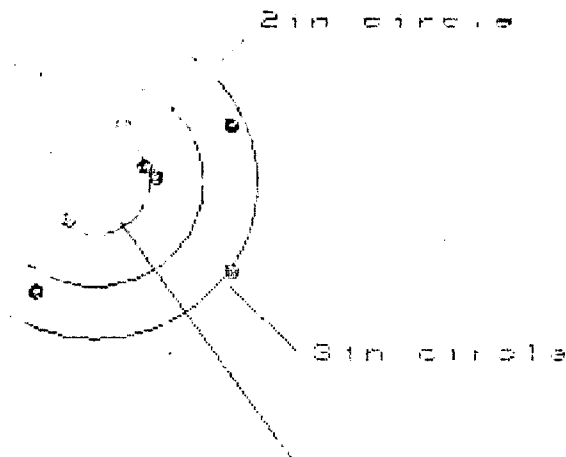
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.789	.629	.695
MINIMUM X	-1.434	-.837	-.771
MAXIMUM Y	.394	.433	.384
MINIMUM Y	-.426	-.387	-.381
CENTROID X	-.038	.122	.056
CENTROID Y	.145	.106	.155
POA TO CENTROID in.	.150	.162	.164
MIN RADIUS	.302	.138	.219
MEAN RADIUS	.651	.525	.513
MAX RADIUS	1.477	.870	.822
HORIZONTAL SPREAD	2.223	1.466	1.466
VERTICAL SPREAD	.820	.820	.765
EXTREME SPREAD	2.261	1.501	1.501
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

26 Aug 1991

REMINGTON CENTERFIRE_PATT/06636221.1.1.1

PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 2.056

VS = 1.631

ES = 3.209

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.297	1.124	1.260
MINIMUM X	-1.559	-1.241	-1.101
MAXIMUM Y	.592	.656	.553
MINIMUM Y	-1.039	-.975	-1.078
CENTROID X	.040	.213	.073
CENTROID Y	-.048	-.112	-.009
90° TO CENTROID in.	.063	.241	.074
MIN RADIUS	.383	.352	.416
MEAN RADIUS	.938	.847	.763
MAX RADIUS	1.662	1.394	1.376
HORIZONTAL SPREAD	2.856	2.365	2.361
VERTICAL SPREAD	1.631	1.631	1.631
EXTREME SPREAD	3.209	2.548	2.450
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

SWS ENDURANCE TEST REPORT

 SERIAL NO. 6636221 SHOOTER W. Teichert DATE 8-1-91

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK	OK Target + test
	7.62	60	OK	" " "
	7.62	60	OK	" " "
	7.62	60	OK	" " "
<u>300</u> <u>300</u>	7.62	60	OK	" " "
	7.62	60	OK	" " "
	7.62	60	OK	" " "
<u>140</u> <u>440</u>	7.62	20	OK	" " "
		440	TOTAL	
8-13-91	7.62	60	Target + test + AC	
		500	TOTAL 8-13-91	
	7.62	60	OK	OK Target + Test
	7.62	60	OK	" " "
	7.62	60	OK	" " "
	7.62	60	OK	" " "
<u>300</u> <u>800</u>	7.62	60	OK	" " "
	7.62	60	OK	" " "
	7.62	60	OK	" " "
	7.62	60	OK	" " "

SWS ENDURANCE TEST REPORT

SERIAL NO. C6636221 SHOOTER W Teachout DATE 8/14/91

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK	OK Target + Test
	7.62	60	OK	OK Target + Test
	7.62	60	OK	OK Target + Test
	7.62	60	OK	OK Target + Test
	7.62	60	OK	OK Test
	7.62	60	OK	" "
	7.62	20	OK	" "
560/1360				
	7.62	60	OK	" "
	7.62	60	OK	" "
	7.62	60	OK	" " one round case, swollen open head
	7.62	60	OK	" "
	7.62	60	OK	" "
	7.62	60	OK	" "
	7.62	60	OK	" "
	7.62	60	OK	" "
	7.62	60	OK	" "
	7.62	20	OK	" "
560/1920				
	7.62	60	OK	" "
	7.62	60	OK	" "
	7.62	60	OK	" "

SWS ENDURANCE TEST REPORT

SERIAL NO. C 6636221 SHOOTER W Teachout DATE 8-15-91

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
560	7.62	60	OK	OK Test
	7.62	60	OK	OK Test
	7.62	60	OK	OK Test
	7.62	60	OK	OK Test
	7.62	60	OK	OK Test
	7.62	60	OK	OK Test
	7.62	20	OK	OK Test
560 2480				
20 2500	7.62	20	OK	OK Test
TOTAL		2500	8-19-91 ^{PH}	MAGNAFLUX OK
	7.62	60	OK	OK Test 8-19
	7.62	60	OK	OK Test
	7.62	60	OK	OK Test
	7.62	60	OK	OK Test
	7.62	20	OK	OK Test
260 2760				
	7.62	60	OK	OK Test 8-20
	7.62	60	OK	OK Test
	7.62	60	OK	OK Test
	7.62	60	OK	OK Test
	7.62	60	OK	OK Test

SWS ENDURANCE TEST REPORT

SERIAL NO. C6636221 SHOOTER W Teichert DATE 8/20/91

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS	
	7.62	60	OK	OK test	8/20
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
480/3240					
	7.62	60	OK	OK test	8/21
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
540/3780					
	7.62	60	OK	OK test	8/22
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
	7.62	60	OK	OK test	
560/4340					
	7.62	80	OK	OK test	

SWS ENDURANCE TEST REPORT

SERIAL NO. C6636.221 SHOOTER W Teichert DATE 8-23

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK	OK test 8-23
	7.62	60	OK	OK test
160/4500	7.62	40	OK	OK test
		4500		
		60	TARGET + test	8-23-91 D.H.
4560		4560		sp3
	7.62	60	OK	OK test
	7.62	60	OK	OK test
	7.62	60	OK	OK test
	7.62	60	OK	OK test
340/4800		4800		
	7.62	60	OK	" "
	7.62	60	OK	" "
	7.62	20	OK	" "
		4940		
K.O.		60	T&A	D.H./A.C.
		5000		
	7.62	60	OK	OK test 9/3
	7.62	60	OK	OK test
	7.62	60	OK	OK test
	7.62	60	OK	OK test
	7.62	60	OK	OK test

SWS ENDURANCE TEST REPORT

SERIAL NO. C 6636221 SHOOTER R. Vannell DATE 9/3

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
<i>Total</i> 5340		<u>540</u>	as of 2nd shift	9/3/91
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	60	OK	ok test
	7.62	20	OK	ok test
		<u>980</u>		
<i>Total</i> 6520		6520		

9-4-91

SWS ENDURANCE TEST REPORT

SERIAL NO. C6636221 SHOOTER W. Tresschert DATE 9/5/91

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	7.62	60	OK	OK test
	2.62	60	OK	OK test Heavy Trigger Pull
	2.62	60	OK	OK test
	7.62	60	OK	OK test
	7.62	60	OK	OK test
	2.62	60	OK	OK test
	2.62	20	OK	OK test
380		6900		
	7.62	40	OK	OK test
	7.62	40	OK	OK test
	Total	7000	as of 9-5-91	* adjusted trigger pull. 9/5/91
	2.62	60	OK	OK test
	2.62	60	OK	OK test
	2.62	60	OK	OK test
	2.62	60	OK	OK test
240		7240		
	7.62	40	OK	OK test
	7.62	40	OK	OK test
	7.62	40	OK	OK test
	7.62	40	OK	OK test
240	Total	7480	as of 9-6-91	

SWS ENDURANCE TEST REPORT

SERIAL NO. C6636221 SHOOTER W. T. Winkler DATE 9-7-91

AMMO CODE	AMMO TYPE	RDS.	RESULTS	OBSERVATIONS
	762	60	ok	ok test
	762	60	ok	ok test
	762	60	ok	ok test
	762	60	ok	ok test
	762	60	ok	ok test
	762	60	ok	ok test
	762	60	ok	ok test
	762	60	ok	ok test
	762	60	ok	ok test
	762	60	ok	ok test
	762	40	ok	ok test
640	Total	8120		
	7.62	60	ok	ok test
	7.62	60	ok	ok test
	7.62	60	ok	ok test
	7.62	60	ok	ok test
	7.62	60	ok	ok test
	7.62	60	ok	ok test
	7.62	60	ok	ok test
	7.62	60	ok	ok test
	7.62	60	ok	ok test
	7.62	60	ok	ok test

SERIAL NO. C 6636221 SHOOTER W Teichert DATE 9-9-91

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON