

07686 3563
Replaces
C 6594535-

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: **RE00172756** Serial: **C6594535** Model **M24 SWS** Center Fire
 Caliber: **7.62 NATO** Produced: **03/18/1991** Repairman: _____ Status: **Closed 8/10/2009 6:06:02 AM**

Verify Repair

Address Information

Customer: _____ Received From: _____ Return To: _____ Received From: _____

Name: **TRANSPORTATION OFFICER**

Address 1: **USPFO FOR ARKANSAS BLDG 0318**

Address 2: **CAMP ROBINSON** PO Box: _____

City: **NORTH LITTLE ROCK**

State: **AR** Zip Code: **72199** Country: **US**

FFL: _____

Contact / Condition **Problems** **Estimate** **History / Status** **Shipping / Billing**

Contact Information

Phone: **NN**

Fax: _____

Email: _____

Comments: _____

Received Condition

Condition: **Poor**

Notes: _____

CSR Notes: _____

Accessories Received

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

Repair Search **Refresh** **Close**

neglet 8/17/2009 12:47 PM CAPS NUM TNS SCRL

start 4 Micros... Amazon... 3 Micros... Arms Serv... Part Search... NEW GUN... Adobe Acr... 12:47 PM

C6863563

Serial Number: **C6594535**

Model: **M24 SWS**



RE00172756

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER

172756

SERIAL NUMBER

C6594535

C6863563

LOG-IN DATE

8-10-09

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-1-09	RTZ
505	RE-BARREL	9-4-09	RTZ
420	ASSEMBLE	9-4-09	RTZ
440	PROOF	9-4-09	S.P.D.
460	CHECK HEADSPACE	9-4-09	S.P.D.
470	DIS-ASSEMBLE GUN	9-4-09	S.P.D.
480	MAGNAFLUX	9/10/09	JD
510	DRILL AND TAP	9-8-09	SP
500	ROLLMARK CALIBER	9/10/09	SP
520	GOFF BLAST BBL / REC	9/10/09	WV
530 & 540	APPLY COATINGS	9/1/09	L
560	FINAL ASSEMBLY	9-18-09	RTZ
640	FUNCTION TEST AND	9-22-09	RTZ
650	TARGET	9-21-09	RP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-21-09	S.P.D.
	A) HEADSPACE	9/22/09	LB
	B) TRIGGER PULL	2.46 2.49 2.49 2.45 2.44 9-22-09	TL
680	F) SAFETY ON FORCE	2.9 2.9 2.9	
	G) SAFETY OFF FORCE	4.9 4.9 4.9	9/22/09 LB
	I) FIRING PIN INDENT	.023 .023 .024	
690	PACK	9/24/09	Fm

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6863563.___0

FILE DATE AND TIME: 09/22/2009 07:10

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.008
The Average Y Centroid of the Five Target Set:	-0.066
The Average Point of Impact of the Five Target Set:	0.066
The Average Mean Radius of the Five Target Set:	0.831
The Distance from POA to Centroid Target #1:	0.197
The Distance from Centroid Target #2 to Centroid Target #1:	0.171
The Distance from Centroid Target #3 to Centroid Target #1:	0.381
The Distance from Centroid Target #4 to Centroid Target #1:	0.345
The Distance from Centroid Target #5 to Centroid Target #1:	0.227

SERIAL NUMBER: G6863563. __0

TARGET NUMBER: 1

FILE DATE: 09/22/2009

FILE TIME: 07:10

X CENTROID: 0.187

Y CENTROID: -0.060

POA TO CENTROID: 0.197

HORZ SPREAD: 1.326

VERT SPREAD: 2.260

GROUP SPREAD: 2.032

MIN RADIUS: 0.052

MAX RADIUS: 1.252

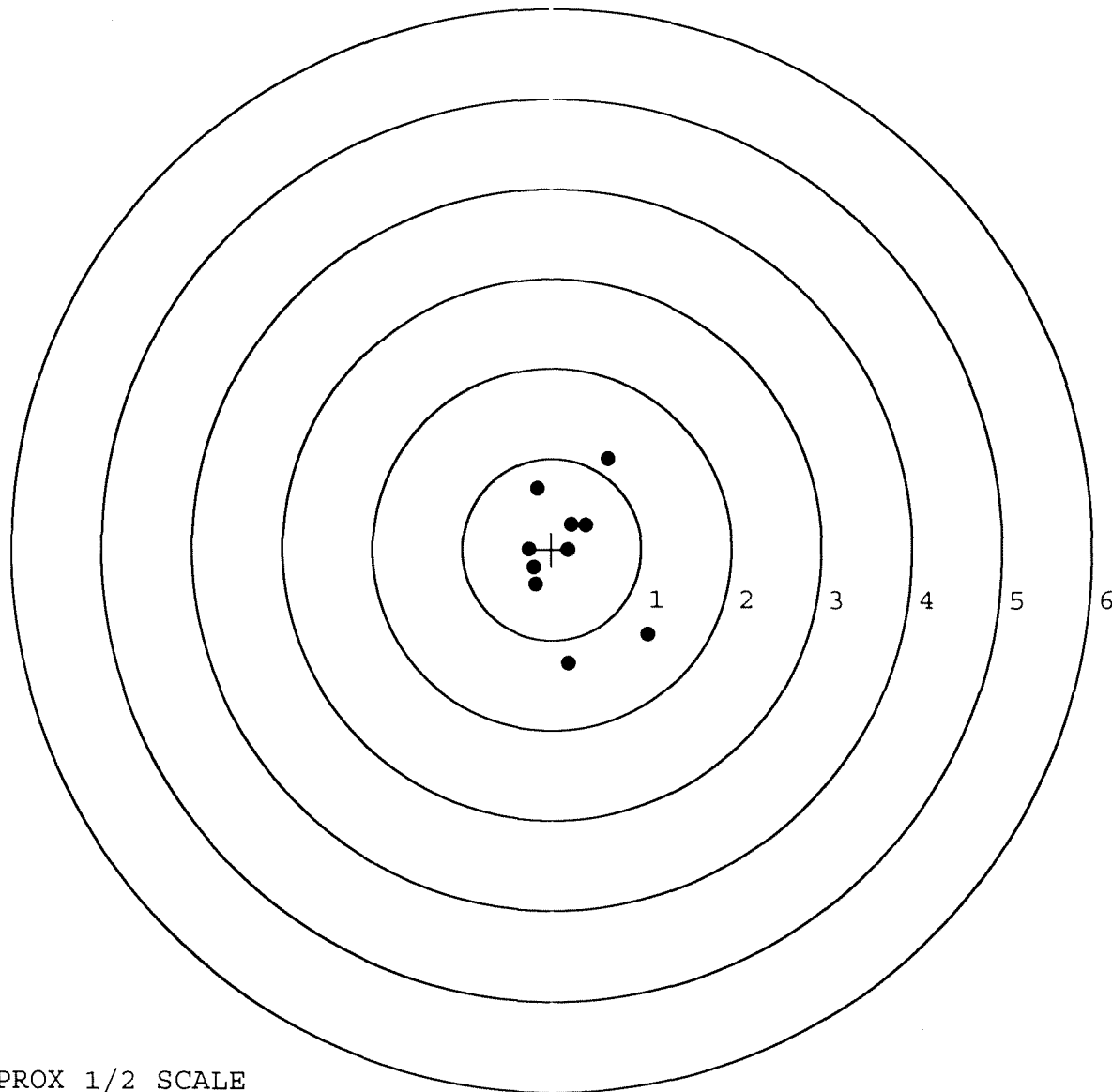
MEAN RADIUS: 0.653

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.186	-1.260
2:	1.072	-0.945
3:	0.633	1.000
4:	-0.160	0.671
5:	0.217	0.274
6:	0.380	0.267
7:	-0.254	-0.005
8:	0.185	-0.008
9:	-0.182	-0.389
10:	-0.204	-0.202



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6863563. 0

TARGET NUMBER: 2

FILE DATE: 09/22/2009

FILE TIME: 07:10

X CENTROID: 0.145

Y CENTROID: 0.106

POA TO CENTROID: 0.179

HORZ SPREAD: 2.527

VERT SPREAD: 1.634

GROUP SPREAD: 2.834

MIN RADIUS: 0.248

MAX RADIUS: 1.498

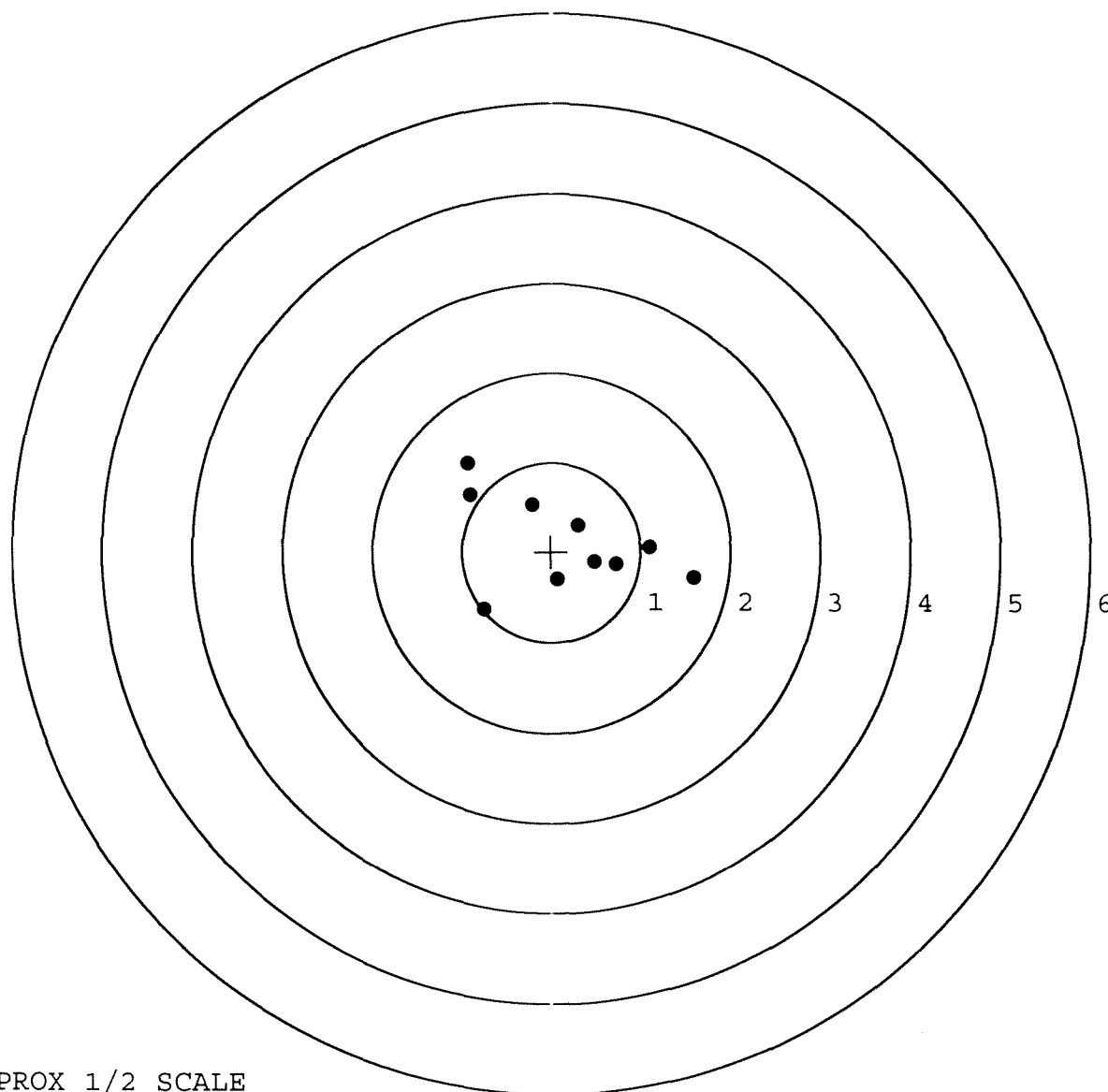
MEAN RADIUS: 0.847

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.591	-0.284
2:	1.101	0.055
3:	-0.219	0.529
4:	-0.936	0.998
5:	-0.908	0.644
6:	-0.758	-0.636
7:	0.070	-0.311
8:	0.483	-0.108
9:	0.729	-0.134
10:	0.294	0.303



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6863563. __0

TARGET NUMBER: 3

FILE DATE: 09/22/2009

FILE TIME: 07:10

X CENTROID: -0.183

Y CENTROID: -0.150

POA TO CENTROID: 0.237

HORZ SPREAD: 1.451

VERT SPREAD: 3.096

GROUP SPREAD: 3.288

MIN RADIUS: 0.347

MAX RADIUS: 1.770

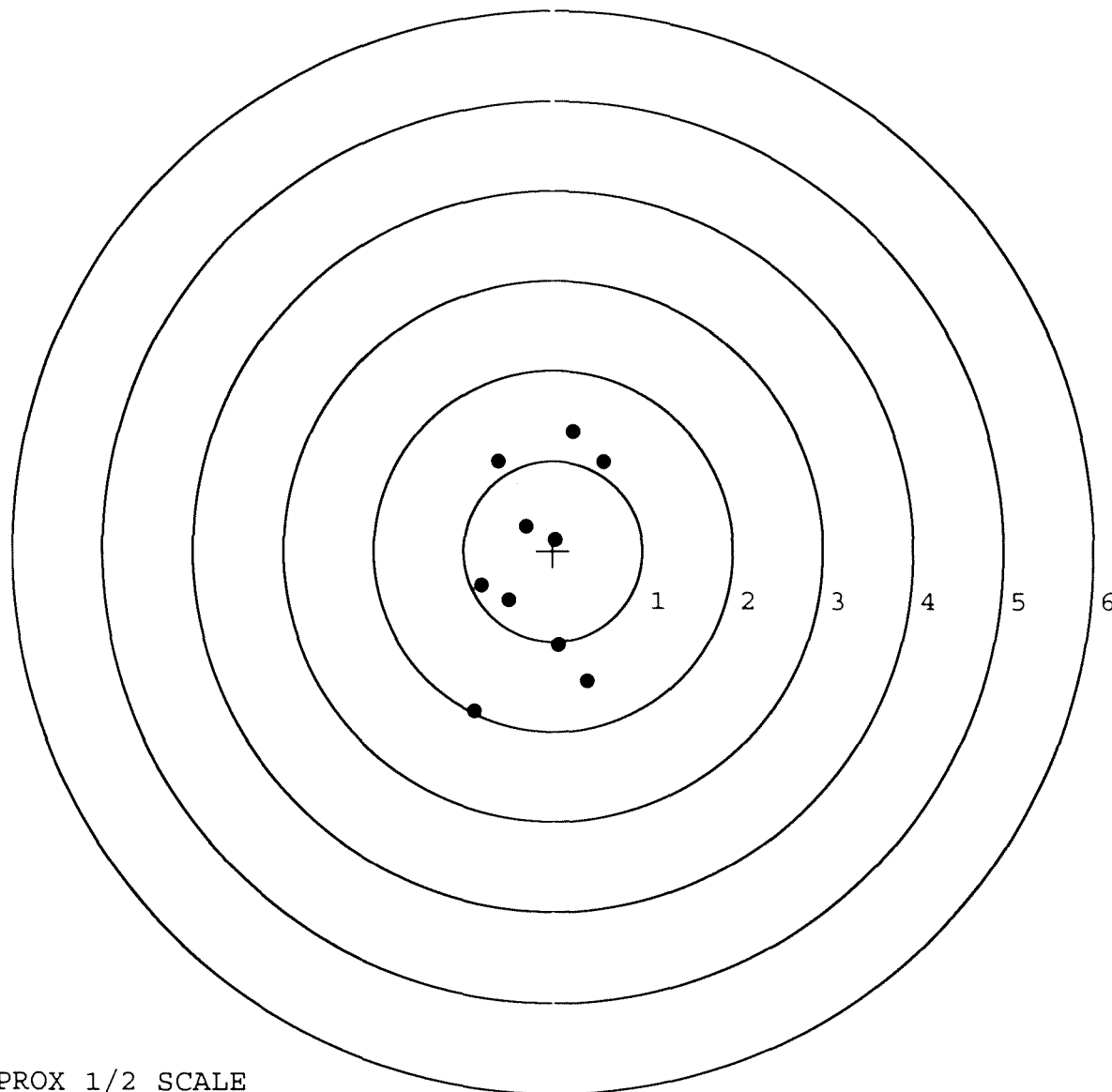
MEAN RADIUS: 1.017

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.882	-1.776
2:	0.382	-1.443
3:	-0.804	-0.382
4:	0.060	-1.042
5:	-0.609	0.994
6:	-0.494	-0.553
7:	0.569	0.991
8:	0.224	1.320
9:	-0.306	0.267
10:	0.028	0.125



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6863563. __0

TARGET NUMBER: 4

FILE DATE: 09/22/2009

FILE TIME: 07:10

X CENTROID: -0.153

Y CENTROID: -0.115

POA TO CENTROID: 0.191

HORZ SPREAD: 2.159

VERT SPREAD: 2.015

GROUP SPREAD: 2.608

MIN RADIUS: 0.419

MAX RADIUS: 1.533

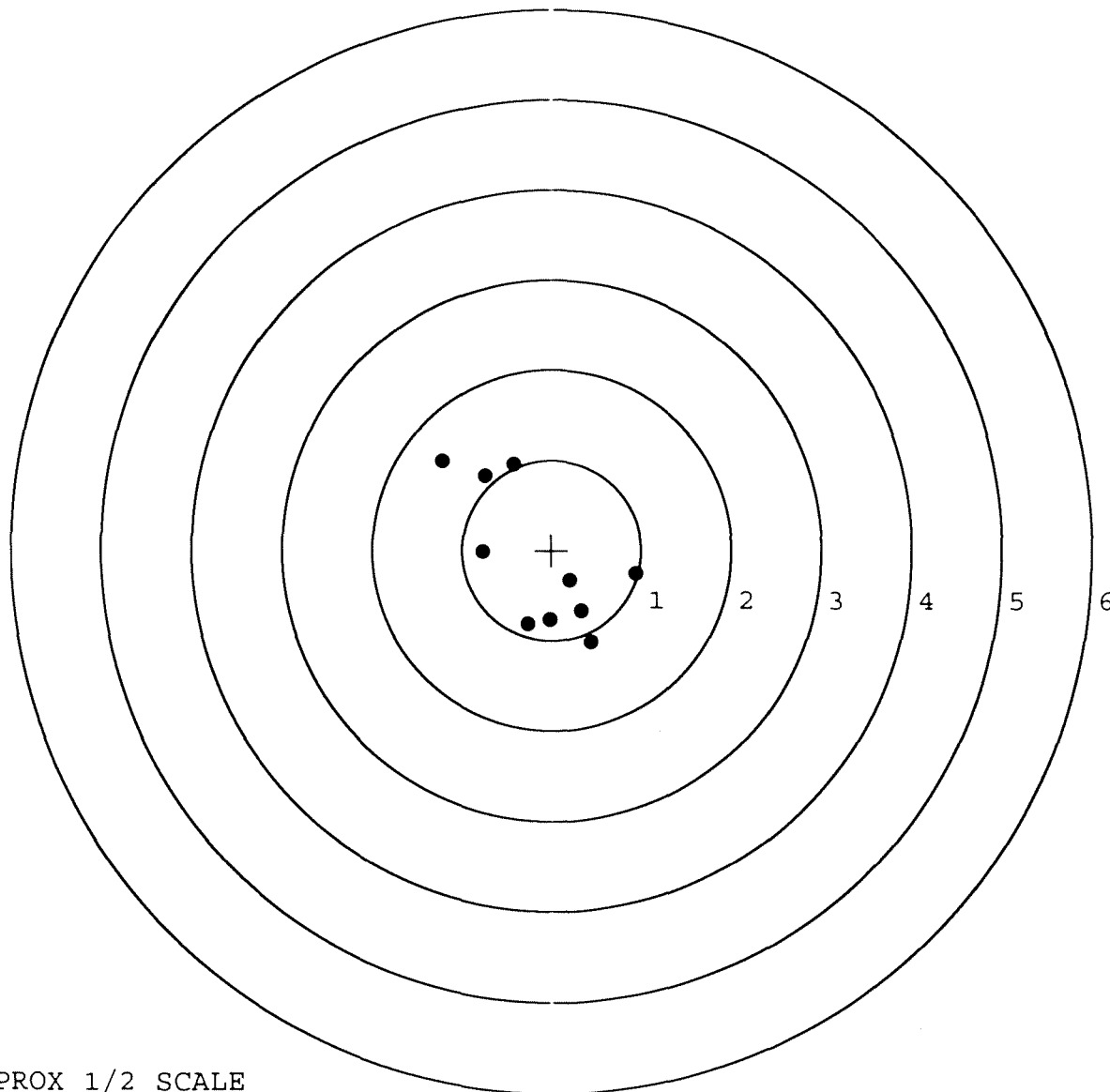
MEAN RADIUS: 0.913

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.215	0.991
2:	-0.424	0.955
3:	-0.771	-0.018
4:	-0.744	0.828
5:	0.944	-0.261
6:	0.441	-1.024
7:	-0.023	-0.778
8:	-0.271	-0.825
9:	0.202	-0.337
10:	0.331	-0.679



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6863563. __0

TARGET NUMBER: 5

FILE DATE: 09/22/2009

FILE TIME: 07:10

X CENTROID: -0.034

Y CENTROID: -0.111

POA TO CENTROID: 0.116

HORZ SPREAD: 2.164

VERT SPREAD: 1.979

GROUP SPREAD: 2.262

MIN RADIUS: 0.285

MAX RADIUS: 1.336

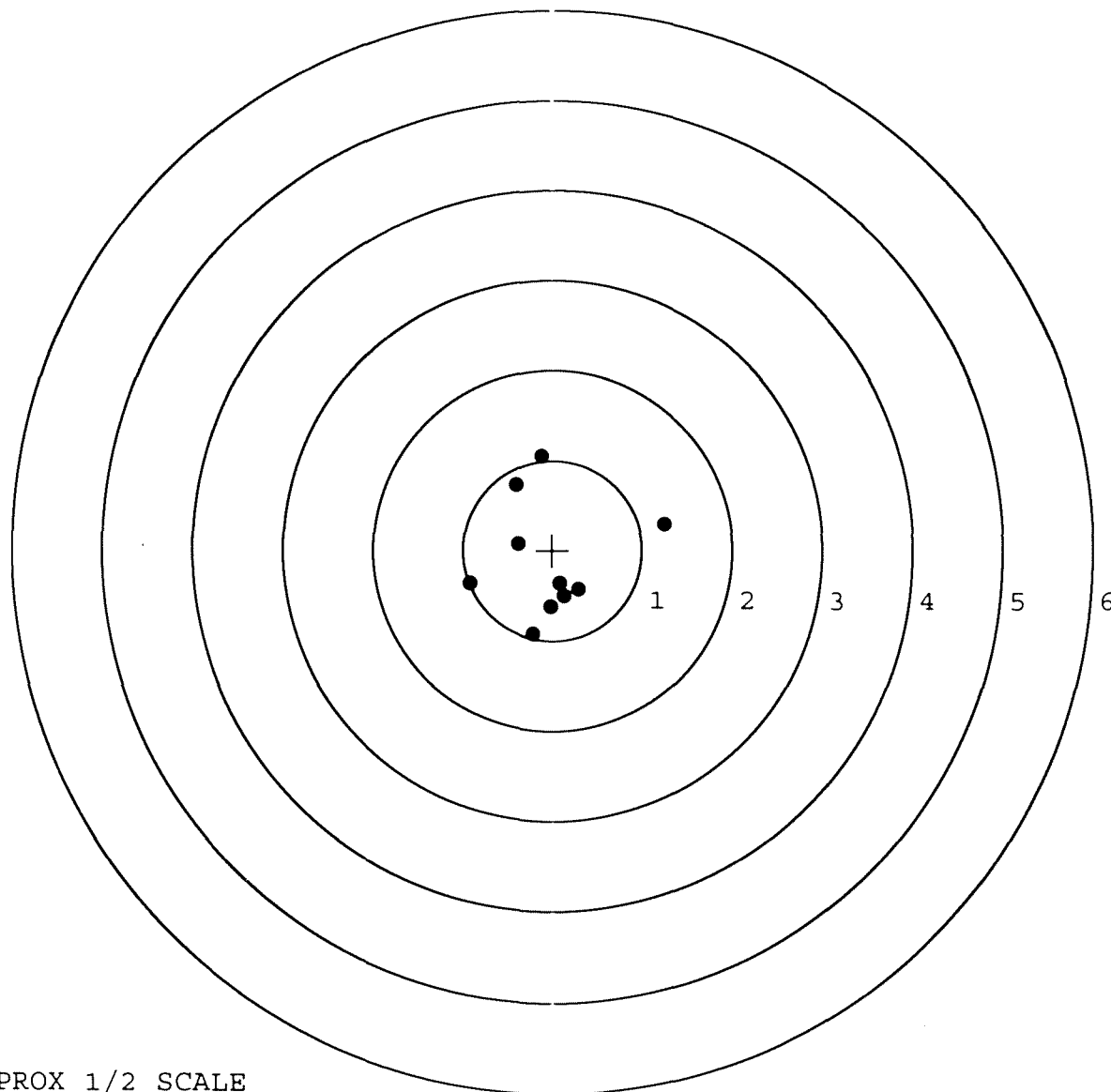
MEAN RADIUS: 0.728

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.242	0.287
2:	-0.121	1.051
3:	-0.412	0.730
4:	-0.922	-0.372
5:	-0.381	0.069
6:	0.084	-0.371
7:	-0.020	-0.633
8:	-0.225	-0.928
9:	0.288	-0.439
10:	0.132	-0.508



TARGET APPROX 1/2 SCALE

RECEIVING AND ESTIMATING REPORT

R 94-18857

INITIAL		CUSTOMER ORDER NO.		W/10X SCOPE M-24 SNIPER W/DEPLOYMENT KIT			
JJM		DAAA09-92-C-0834		ATTN FRED MARTIN		Scope S/N 90-0537	
DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE		
06/14/94	06/15/94		C6594535		700	7.62	NATO
ACCESSORIES		HARD CASE		SCOPE MNTS	SCOPE BASE	SLING STRAP	

FROM:

SHIP TO:

COMMANDER (W52H094139H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL

AL 36201-5025

COMMANDER (W52H09413BH226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL

36201-5025

CUST NO: 098397 C.O.D

ACCOUNT NUMBER		ACCOUNT NUMBER N/C		PROM. DATE		ESTIMATED		VIA	
								UPS	
GUN CONDITION								REPAIR CHARGE	
☐ NEW								EXCISE	
☐ LIGHTLY WORN								TAX	
☐ WORN								INSURANCE	
☐ VERY WORN								UPS	
☐ UNREPAIRABLE								PARCEL POST	
☐ MARRED								TOTAL	

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS	COMMENTS					
✓ Barrel Trigger Assy						
	REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
				A	A	
	GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
				6/11/96	6/11/96	

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M2400092911

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6594535DATE 12-21-94TESTER BMM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.53	2.44	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.56	2.58	
PULL #3	2.48	2.51	2.60	
PULL #4	2.49	2.50	2.58	
PULL #5	2.53	2.50	2.54	
TOTAL	12.49	12.51	12.90	
AVG.	2.49	2.50	2.58	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.00	3.19	
PULL #2	3.15	3.13	
PULL #3	3.15	3.14	
PULL #4	3.26	3.17	
PULL #5	3.08	3.17	
TOTAL	15.64	15.80	
AVG.	3.12	3.16	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01	3.93		4.16
PULL #2	4.25	4.11		4.16
PULL #3	4.13	4.12		4.12
PULL #4	4.28	4.12		4.15
PULL #5	4.23	4.15		4.15
TOTAL	20.90	20.43		20.74
AVG.	4.18	4.08		4.14

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594535
17 Apr 1900

CENTROIDAL DISTANCES

0 TO	1	.357494
1 TO	2	.518661
1 TO	3	.197975
1 TO	4	.383897
1 TO	5	.520634

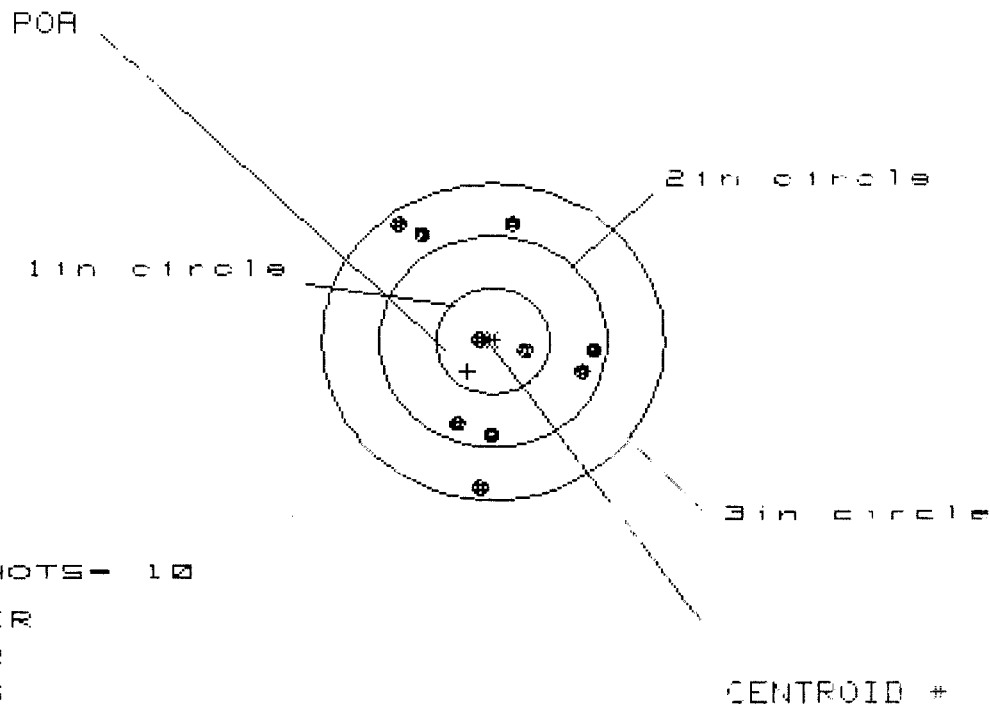
218 -----POA

THE AVERAGE COORDINATE FOR THIS RIFLE IS: .182
THE AVERAGE ELEVATION FOR THIS RIFLE IS: -.0004
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .182
THE AMR FOR THIS RIFLE IS: .9232

17 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06594535

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 10

HS = 1.724

VS = 2.524

GS = 0.

PATTERN #

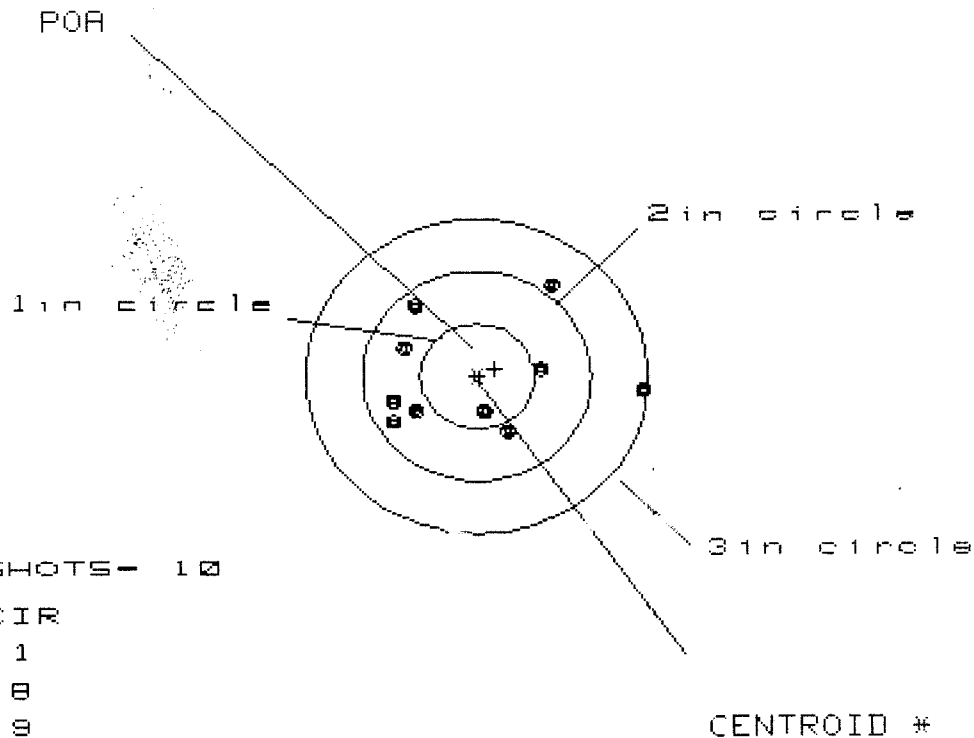
1

SHOTS	BEF	10	9	8
MAXIMUM		.854	.761	.734
MINIMUM		-.866	-.718	-.746
MAXIMUM	Y	1.155	1.268	1.113
MINIMUM	Y	-1.369	-1.241	-.886
CENTROID	X	.221	.318	.345
CENTROID	Y	.281	.153	.308
POA TO CENTROID	in.	.358	.353	.463
MIN RADIUS		.159	.237	.228
MEAN RADIUS		.902	.820	.764
MAX RADIUS		1.443	1.359	1.246
HORIZONTAL SPREAD		1.724	1.479	1.479
VERTICAL SPREAD		2.524	2.509	1.999
EXTREME SPREAD		2.630	2.524	2.005
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06534535

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 1

2in - 8

3in - 9

HS- 2.245

VS- 1.473

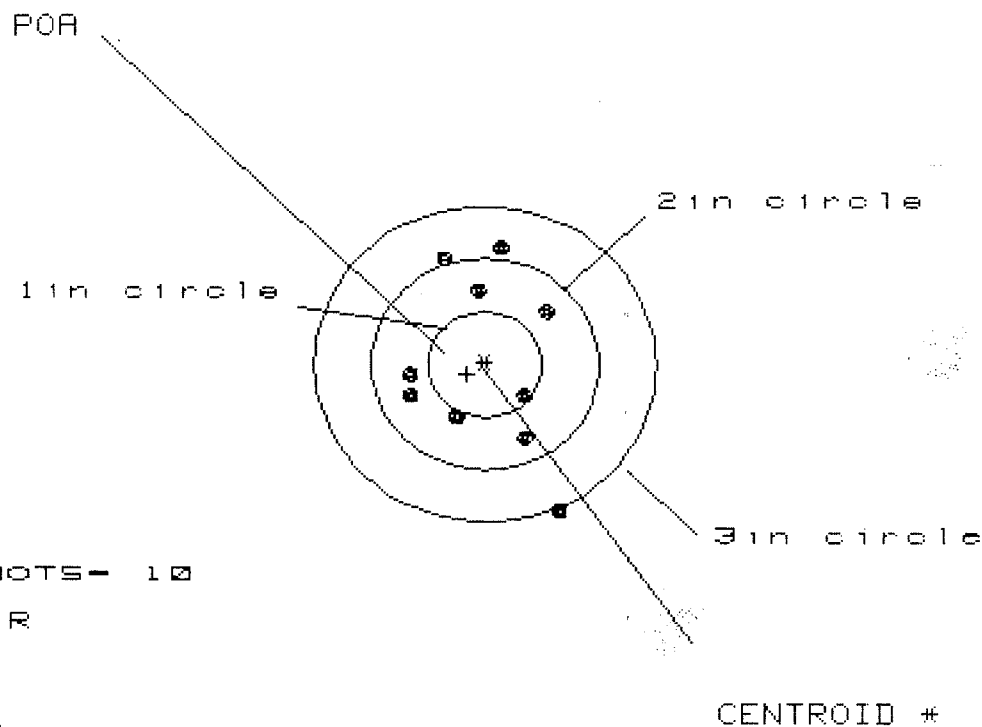
GS- 2.276

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.502	.873	.810
MINIMUM X	:	-.744	-.577	-.468
MAXIMUM Y	:	.899	.891	.815
MINIMUM Y	:	-.574	-.582	-.471
CENTROID X	:	-.159	-.326	-.435
CENTROID Y	:	-.072	-.064	-.175
POA TO CENTROID in.	:	.175	.333	.469
MIN RADIUS	:	.342	.430	.359
MEAN RADIUS	:	.796	.694	.592
MAX RADIUS	:	1.504	1.247	.849
HORIZONTAL SPREAD	:	2.245	1.450	1.278
VERTICAL SPREAD	:	1.473	1.473	1.286
EXTREME SPREAD	:	2.276	1.983	1.509
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Apr 1988

FILE://PATTERNING/CENTERFIRE_PATT/C6594535

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 9

HS = 1.343

VS = 2.445

GS = 2.560

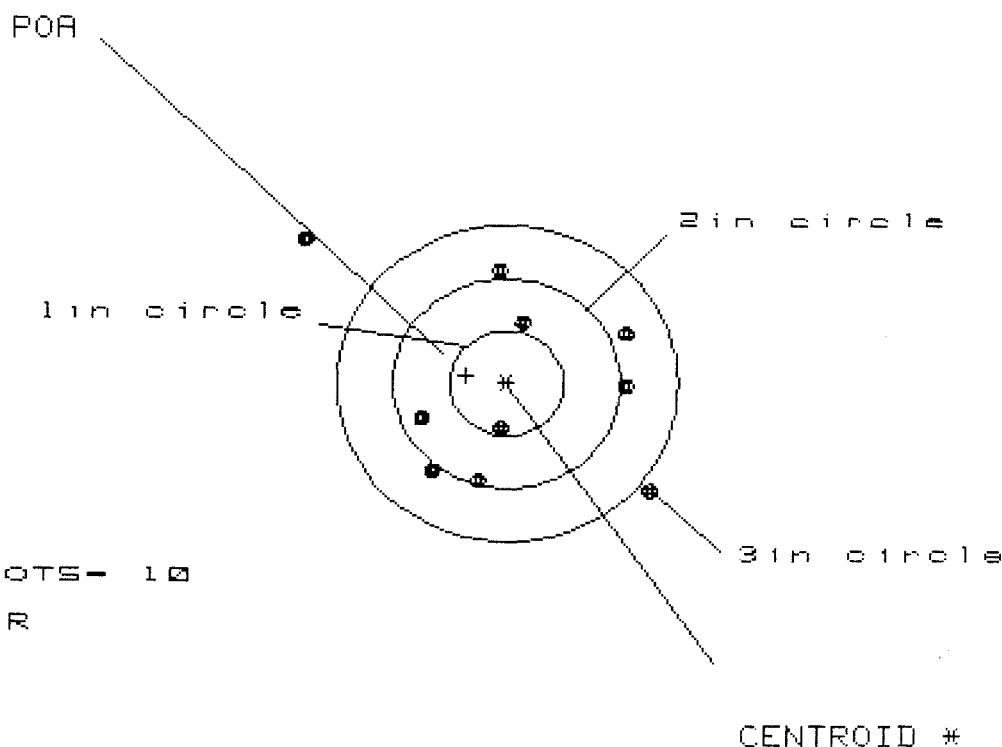
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.671	.609	.632
MINIMUM X	:	-.672	-.598	-.575
MAXIMUM Y	:	1.101	.952	.956
MINIMUM Y	:	-1.344	-.890	-.771
CENTROID X	:	.156	.082	.059
CENTROID Y	:	.094	.243	.124
POA TO CENTROID in.	:	.182	.257	.137
MIN RADIUS	:	.493	.538	.535
MEAN RADIUS	:	.838	.756	.716
MAX RADIUS	:	1.502	.976	.999
HORIZONTAL SPREAD	:	1.343	1.207	1.207
VERTICAL SPREAD	:	2.445	1.842	1.727
EXTREME SPREAD	:	2.560	1.869	1.869
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6594535

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in - 1

2in - 4

3in = 8

HS= 2.959

VS= 2.375

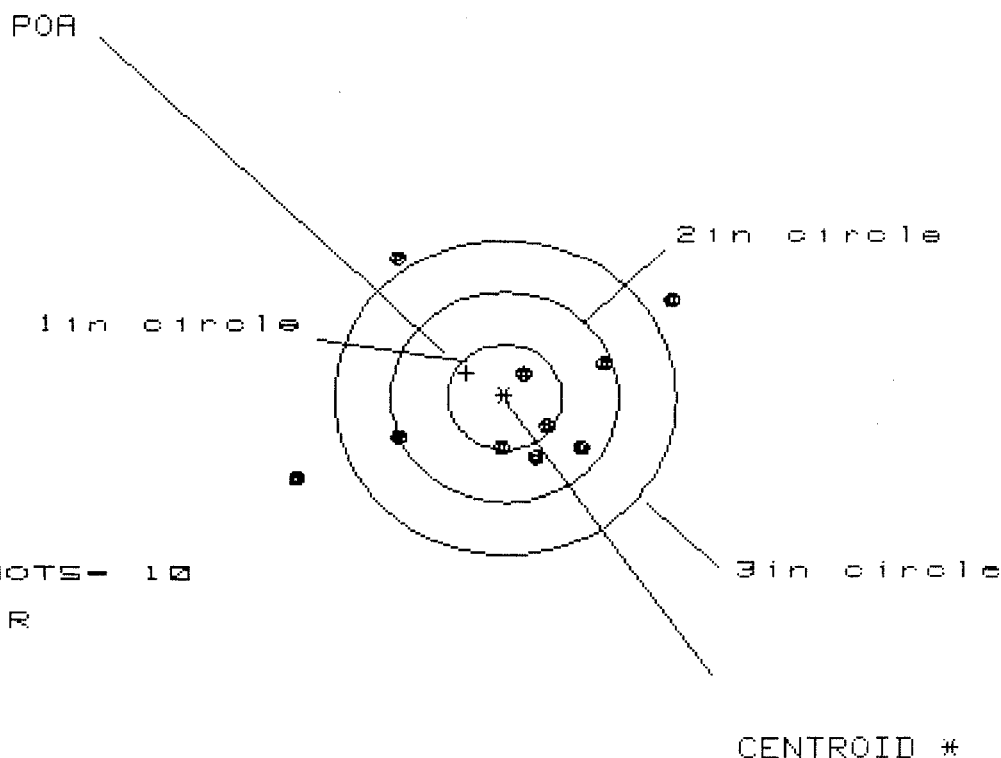
GS= 3.794

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.228	1.036	1.013
MINIMUM X	:	-1.731	-.902	-.773
MAXIMUM Y	:	1.375	1.273	1.167
MINIMUM Y	:	-1.000	-.847	-.852
CENTROID X	:	.357	.549	.420
CENTROID Y	:	-.078	-.231	-.125
POA TO CENTROID in.	:	.365	.596	.438
MIN RADIUS	:	.396	.329	.361
MEAN RADIUS	:	1.087	.943	.881
MAX RADIUS	:	2.211	1.338	1.174
HORIZONTAL SPREAD	:	2.959	1.938	1.786
VERTICAL SPREAD	:	2.375	2.120	2.019
EXTREME SPREAD	:	3.794	2.486	2.151
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			8	

17 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06594535

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 7

HS= 3.303

VS= 2.129

GS= 3.723

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.453	1.247	.831
MINIMUM X	:	-1.850	-1.144	-.988
MAXIMUM Y	:	1.361	1.276	1.384
MINIMUM Y	:	-.768	-.659	-.551
CENTROID X	:	.335	.541	.385
CENTROID Y	:	-.227	-.142	-.250
POA TO CENTROID in.	:	.405	.559	.459
MIN RADIUS	:	.279	.182	.282
MEAN RADIUS	:	.993	.854	.760
MAX RADIUS	:	2.003	1.711	1.698
HORIZONTAL SPREAD	:	3.303	2.391	1.819
VERTICAL SPREAD	:	2.129	1.935	1.935
EXTREME SPREAD	:	3.723	2.713	2.419
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		7	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594535

#	OP. NAME	READINGS	DATE	INITIAL
5 & 0	Assemble Action and Stock			
0	Proof			
7.	Check Headspace			
0	Dis-assemble Gun			
2	Magnaflux Barrel Action			
	Magnaflux Bolt			
5	Rollmark Caliber			
7	Drill and Tap Sight Holes			
8	Polish Barrel			
0	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
5	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INI
625 cont.	F) Safety On Force	5	4 1/2	4 1/2	6/24/96			
	G) Safety Off Force	2 1/2	2 1/2	2 1/4	6/24/96			
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.74	2.74	2.76	2.70	2.67	6/24/96	
	C) Function							
660	Pack							

Remington
MODEL 700™ M24

DU PONT
REG. U.S. PAT. & TM. OFF.

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

SERIAL NO.
06594535

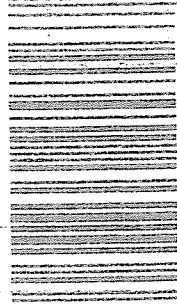
ORDER NO.
5716

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



5716 06594535

UPC



0 47200 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594535

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	10/30/90	KH
600	Proof		10/30/90	KH
607	Check Headspace		10/30/90	KH
610	Dis-assemble Gun		10/30/90	KH
612	Magnaflux Barrel Action		11/1/90	KCR
	Magnaflux Bolt		11/1/90	KCR
615	Rollmark Caliber		11/1/90	GS
617	Drill and Tap Sight Holes		11/6/90	FB
618	Polish Barrel <i>AB</i>		11/7/90	WLB
620	Apply Coatings (Barrel Action)		11-20-90	HA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/17/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/17/91	KS
	C) Inspect Ejector Hole for Chamfer		1/17/91	KS
	D) Oil Firing Pin Ass'y		1/17/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1/21/91	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1/22/91	WB
	G) Safety Off Force	3 1/4	3 1/4	3 1/4			1/22/91	WB
	H) Trigger Pull Test & Retainability						1/21/91	JK
	I) Firing Pin Indent	.021	.0213	.0213			1/22/91	WB
	J) Assemble Stock						1/23/91	KS
	K) Assemble Swivel Studs						2-4-91	AE
	L) Attach Front and Rear Sight Assemblies						1/23/91	KS
	M) Iron Sight Alignment						1/23/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/23/91	KS
	O) Attach Scope to Rifle						1/23/91	KS
	P) Detach & Attach Scope 20 Times						1/23/91	KS
640	Gallery Target & Test						1/23/91	KS
	A) Time							KS
	B) Malfunctions							KS
	C) Pierced Primers							KS
	D) Optical Clarity of Scope							KS
645	Inspect for Live Ammo						1/23/91	KS
655	Final Inspection							
	A) Headspace						2-4-91	AE
	B) Trigger Pull	2.48	2.38	2.36	2.39	2.44	2-1-91	JK
	C) Function						2-4-91	AE
660	Pack						3-15-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6544635DATE 1/21/91TESTER JJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.27	2.45	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.32	2.49	2.38	
PULL #3	2.47	2.28	2.50	2.36	
PULL #4	2.46	2.34	2.46	2.39	
PULL #5	2.23	2.31	2.43	2.44	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.24		
PULL #2	3.34	3.28		
PULL #3	3.32	3.24		
PULL #4	3.22	3.17		
PULL #5	3.25	3.23		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.45		4.48
PULL #2	4.19	4.47		4.42
PULL #3	4.25	4.38		4.39
PULL #4	4.20	4.33		4.37
PULL #5	4.17	4.43		4.33
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594535
24 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.290801
1 TO	2	.211436
1 TO	3	.0776981
1 TO	4	.13537
1 TO	5	.197041

5

-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1716
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0914
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .194424

THE AMR FOR THIS RIFLE IS: 1.037

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8584535

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 0

2in = 1

3in = 7

HS = 3.626

VS = 2.599

GS = 3.788

CENTROID #

PATTERN #

:

10

9

8

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

10

2.167

-1.459

1.412

-1.187

.279

-.082

.291

.933

1.444

2.471

3.626

2.599

3.788

1.762

-1.219

1.280

-1.295

.039

.050

.063

.787

1.275

1.784

2.981

2.575

3.002

0

1

7

1.611

-1.370

1.193

-1.382

.190

.137

.234

.705

1.252

1.652

2.981

2.575

2.982

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594535

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 7

3 in = 8

HS = 1.732

VS = 2.649

GS = 2.705

CENTROID *

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.754	.753	.682
MINIMUM X	-.978	-.979	-1.050
MAXIMUM Y	1.089	.916	.855
MINIMUM Y	-1.560	-.874	-.760
CENTROID X	.070	.071	.142
CENTROID Y	-.114	.059	-.055
POA TO CENTROID in.	.134	.093	.152
MIN RADIUS	.711	.558	.672
MEAN RADIUS	.955	.875	.838
MAX RADIUS	1.560	1.075	1.185
HORIZONTAL SPREAD	1.732	1.732	1.732
VERTICAL SPREAD	2.649	1.790	1.615
EXTREME SPREAD	2.705	2.078	2.067
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

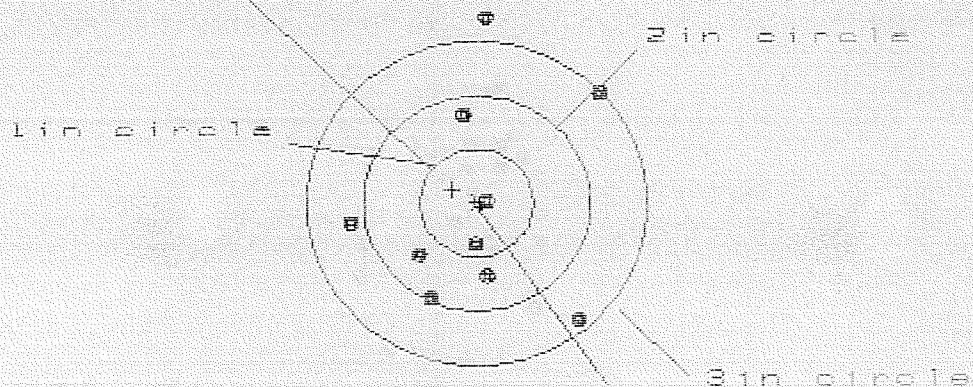
24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594535

CENTERFIRE PATTERNS

3

FOR



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 2.221

VS = 2.839

GS = 2.969

CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.104
MINIMUM X	-1.117
MAXIMUM Y	1.740
MINIMUM Y	-1.099
CENTROID X	.213
CENTROID Y	-.123
FOR TO CENTROID in.	.245
MIN RADIUS	.091
MEAN RADIUS	.935
MAX RADIUS	1.741
HORIZONTAL SPREAD	2.221
VERTICAL SPREAD	2.839
EXTREME SPREAD	2.969
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594535

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 1.514

VS= 2.473

GS= 2.664

CENTROID *

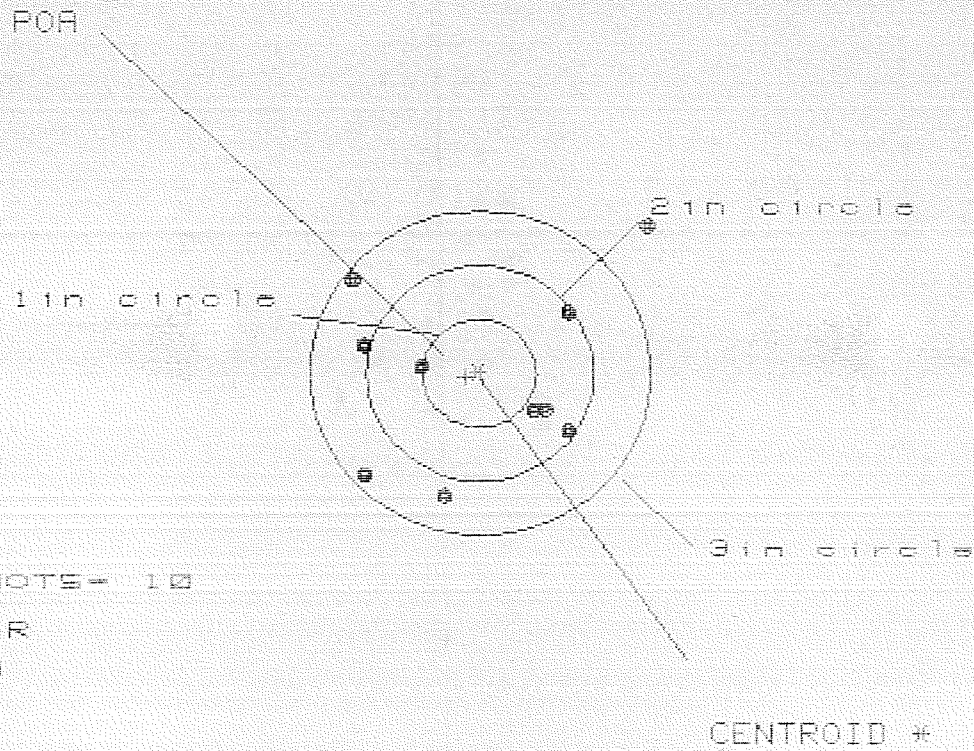
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.511	.426	.424
MINIMUM X	:	-1.003	-1.088	-1.035
MAXIMUM Y	:	1.090	.936	.787
MINIMUM Y	:	-1.383	-1.196	-.747
CENTROID X	:	.177	.262	.209
CENTROID Y	:	-.171	-.017	.132
POA TO CENTROID in.	:	.246	.263	.247
MIN RADIUS	:	.315	.205	.090
MEAN RADIUS	:	.776	.630	.516
MAX RADIUS	:	1.582	1.269	1.277
HORIZONTAL SPREAD	:	1.514	1.514	1.459
VERTICAL SPREAD	:	2.473	2.132	1.534
EXTREME SPREAD	:	2.664	2.151	1.964
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

24 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06534535

CENTERFIRE PATTERNS

5



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS= 2.585

VS= 2.461

GS= 3.396

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.478	.958	.840
MINIMUM X	:	-1.107	-.943	-1.012
MAXIMUM Y	:	1.361	1.067	.846
MINIMUM Y	:	-1.100	-.949	-.815
CENTROID X	:	.119	-.045	.073
CENTROID Y	:	.033	-.118	-.252
POA TO CENTROID in.	:	.124	.126	.262
MIN RADIUS	:	.558	.459	.511
MEAN RADIUS	:	1.075	.955	.874
MAX RADIUS	:	2.009	1.424	1.192
HORIZONTAL SPREAD	:	2.585	1.901	1.852
VERTICAL SPREAD	:	2.461	2.016	1.661
EXTREME SPREAD	:	3.396	2.358	2.358
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594535
12 Mar 1991

CENTROIDAL DISTANCES

Ø TO	1	.18868
1 TO	2	.366706
1 TO	3	.0482597
1 TO	4	.380454
1 TO	5	.0847172

 $\frac{2}{4}$

-----POA

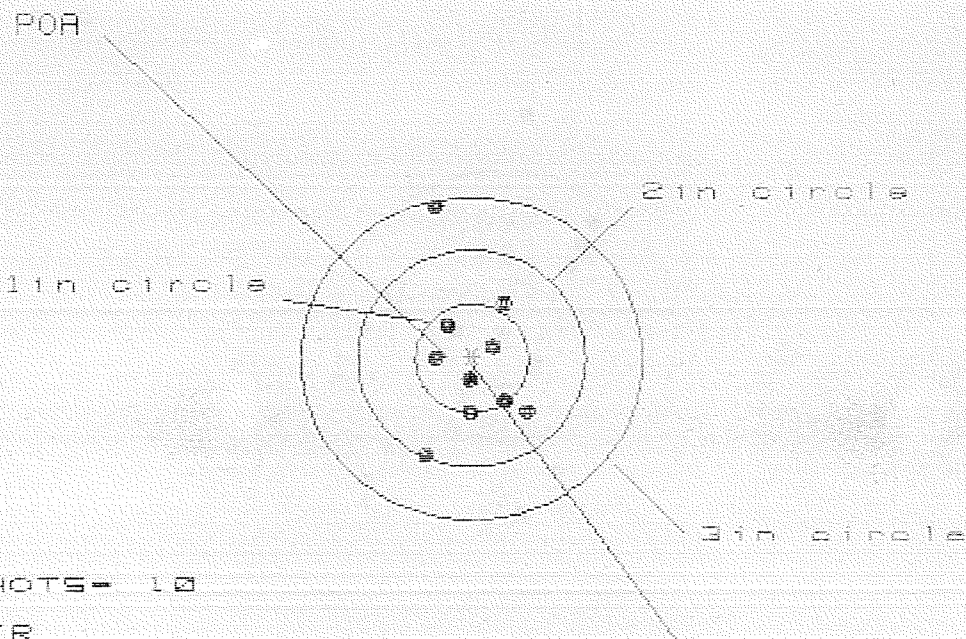
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .095
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1526
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .179755
THE AMR FOR THIS RIFLE IS: .9314

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594535.1

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 6

2in = 9

3in = 10

HS= .992

VS= 2.246

GS= 2.248

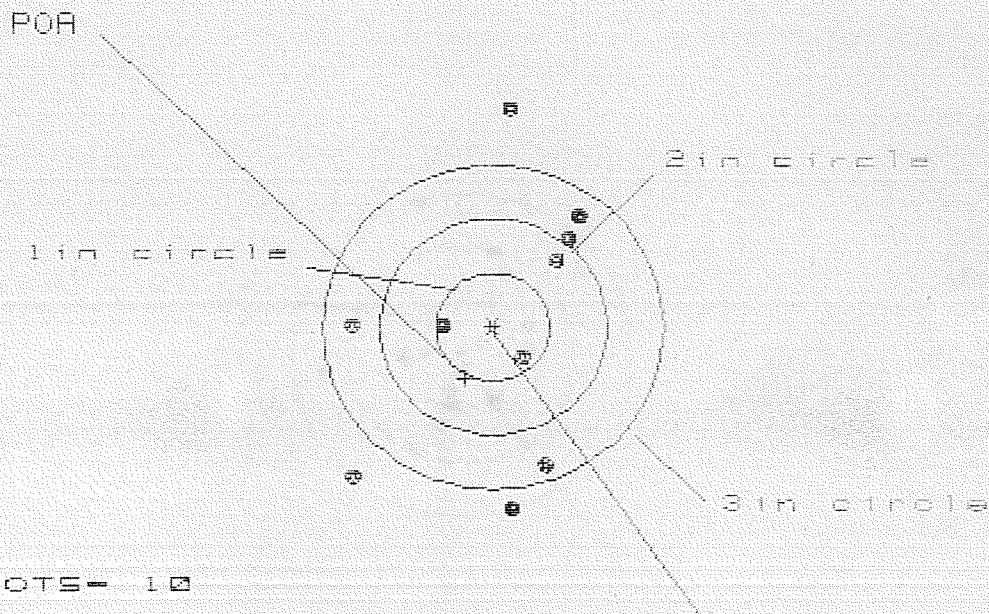
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.532	.492	.430
MINIMUM X	-.460	-.500	-.370
MAXIMUM Y	1.380	.661	.572
MINIMUM Y	-.866	-.712	-.409
CENTROID X	.016	.056	.118
CENTROID Y	.188	.034	.123
POA TO CENTROID in.	.188	.066	.171
MIN RADIUS	.151	.019	.118
MEAN RADIUS	.569	.448	.398
MAX RADIUS	1.425	.870	.615
HORIZONTAL SPREAD	.992	.992	.800
VERTICAL SPREAD	2.246	1.373	.981
EXTREME SPREAD	2.248	1.584	1.108
NUMBER IN ONE INCH CIRCLE =	6		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08534535.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 7

HS= 2.0880

VS= 3.656

GS= 3.657

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.789	.807	.647
MINIMUM X	:	-1.291	-1.273	-1.415
MAXIMUM Y	:	2.004	1.225	1.084
MINIMUM Y	:	-1.652	-1.430	-1.571
CENTROID X	:	.243	.225	.395
CENTROID Y	:	.476	.254	.395
POA TO CENTROID in.	:	.535	.339	.552
MIN RADIUS	:	.378	.310	.219
MEAN RADIUS	:	1.217	1.128	1.023
MAX RADIUS	:	2.010	1.704	1.571
HORIZONTAL SPREAD	:	2.080	2.080	2.062
VERTICAL SPREAD	:	3.656	2.655	2.655
EXTREME SPREAD	:	3.657	3.144	2.732
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594595.1

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 9

3in = 10

HS = 1.961

VS = 1.586

GS = 1.916

CENTROID *

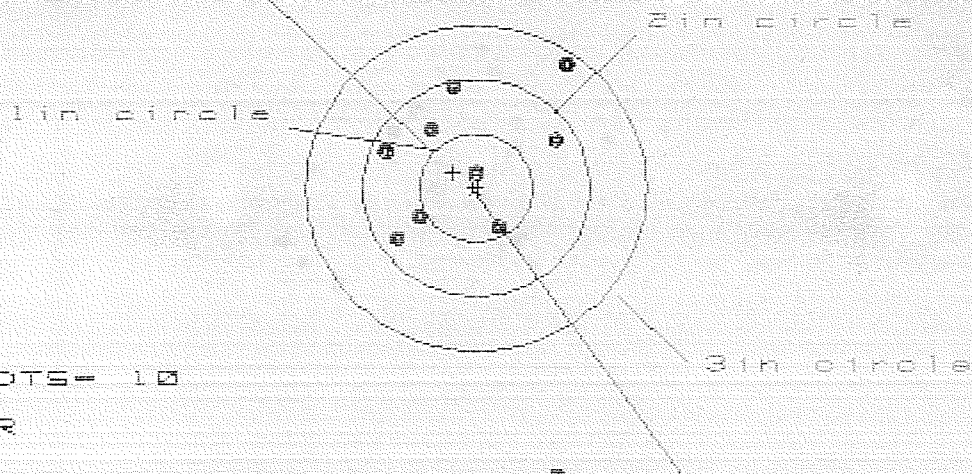
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.612	.473	.486
MINIMUM X	:	-1.249	-.656	-.643
MAXIMUM Y	:	.949	.930	.826
MINIMUM Y	:	-.637	-.656	-.540
CENTROID X	:	.011	.150	.137
CENTROID Y	:	.140	.159	.043
POA TO CENTROID in.	:	.140	.219	.143
MIN RADIUS	:	.331	.415	.320
MEAN RADIUS	:	.682	.607	.542
MAX RADIUS	:	1.261	.935	.861
HORIZONTAL SPREAD	:	1.861	1.129	1.129
VERTICAL SPREAD	:	1.586	1.586	1.366
EXTREME SPREAD	:	1.916	1.638	1.467
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594535.1

CENTERFIRE PATTERNS # 4

POB



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 1.636

VS= 3.769

GS= 3.771

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.847	.927	.891
MINIMUM X	:	-.789	-.709	-.593
MAXIMUM Y	:	1.145	.854	.785
MINIMUM Y	:	-2.624	-.699	-.593
CENTROID X	:	.200	.120	.004
CENTROID Y	:	-.145	.146	.040
POB TO CENTROID in.	:	.247	.189	.040
MIN RADIUS	:	.130	.209	.247
MEAN RADIUS	:	.931	.698	.608
MAX RADIUS	:	2.722	1.260	.940
HORIZONTAL SPREAD	:	1.636	1.636	1.484
VERTICAL SPREAD	:	3.769	1.553	1.378
EXTREME SPREAD	:	3.771	2.168	1.627
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594535.1

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 3.395

VS= 3.353

GS= 3.526

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.970	1.983	1.773
MINIMUM X	-1.425	-1.412	-1.164
MAXIMUM Y	2.240	1.774	1.839
MINIMUM Y	-1.113	-0.864	-0.799
CENTROID X	.005	-0.002	-0.256
CENTROID Y	.104	-0.145	-0.210
POA TO CENTROID in.	.104	.145	.331
MIN RADIUS	.217	.153	.192
MEAN RADIUS	1.258	1.136	.992
MAX RADIUS	2.243	2.050	1.850
HORIZONTAL SPREAD	3.395	3.395	2.937
VERTICAL SPREAD	3.353	1.638	1.638
EXTREME SPREAD	3.526	3.526	3.070
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	5		