

C6522145

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400004488

CONFIDENTIAL -SUBJECT TO PROTECTIVE ORDER

Repair Inquiry

Repair Number: RE00085594

Serial: C6522145 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 9/28/2004 2:35:44 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: C CO SPT BN 1ST SWTG A

C CO SPT BN 1ST SWTG A

Address 1: AHN ARMAMENT FACILITY

AHN ARMAMENT FACILITY

Address 2: PO Box

PO Box

City: FT BRAGG

FT 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:

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Bases	3

Repair Search

Refresh

Close

neglatj

9/28/2004

2:46 PM

CAPS

NUM

INE

SOPL

start

2

3

Arms Services R

4

Serial Number: C6522145
Model: M24 SWS
RE00085594

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522145.___0
FILE DATE AND TIME: 10/22/2004 06:22

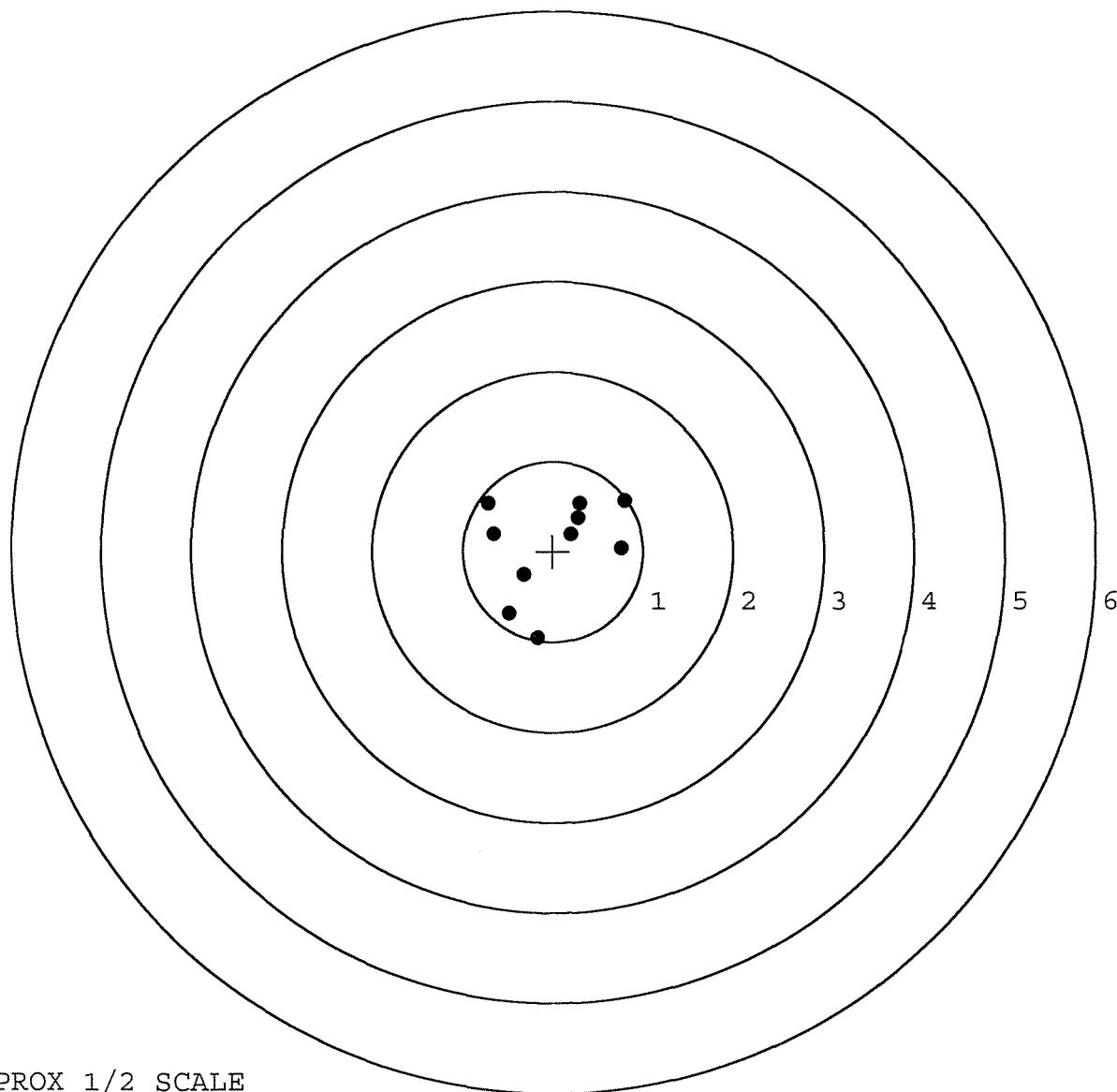
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.067
The Average Y Centroid of the Five Target Set:	-0.023
The Average Point of Impact of the Five Target Set:	0.071
The Average Mean Radius of the Five Target Set:	0.671
The Distance from POA to Centroid Target #1:	0.052
The Distance from Centroid Target #2 to Centroid Target #1:	0.159
The Distance from Centroid Target #3 to Centroid Target #1:	0.260
The Distance from Centroid Target #4 to Centroid Target #1:	0.104
The Distance from Centroid Target #5 to Centroid Target #1:	0.089

SERIAL NUMBER: C6522145. __0
TARGET NUMBER: 1
FILE DATE: 10/22/2004
FILE TIME: 06:22

X CENTROID: -0.003
Y CENTROID: 0.052
POA TO CENTROID: 0.052
HORZ SPREAD: 1.520
VERT SPREAD: 1.524
GROUP SPREAD: 1.803
MIN RADIUS: 0.247
MAX RADIUS: 1.028
MEAN RADIUS: 0.687
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.766	0.039
2:	0.795	0.561
3:	-0.168	-0.963
4:	-0.492	-0.689
5:	-0.326	-0.266
6:	-0.657	0.195
7:	-0.725	0.540
8:	0.296	0.538
9:	0.274	0.377
10:	0.202	0.189

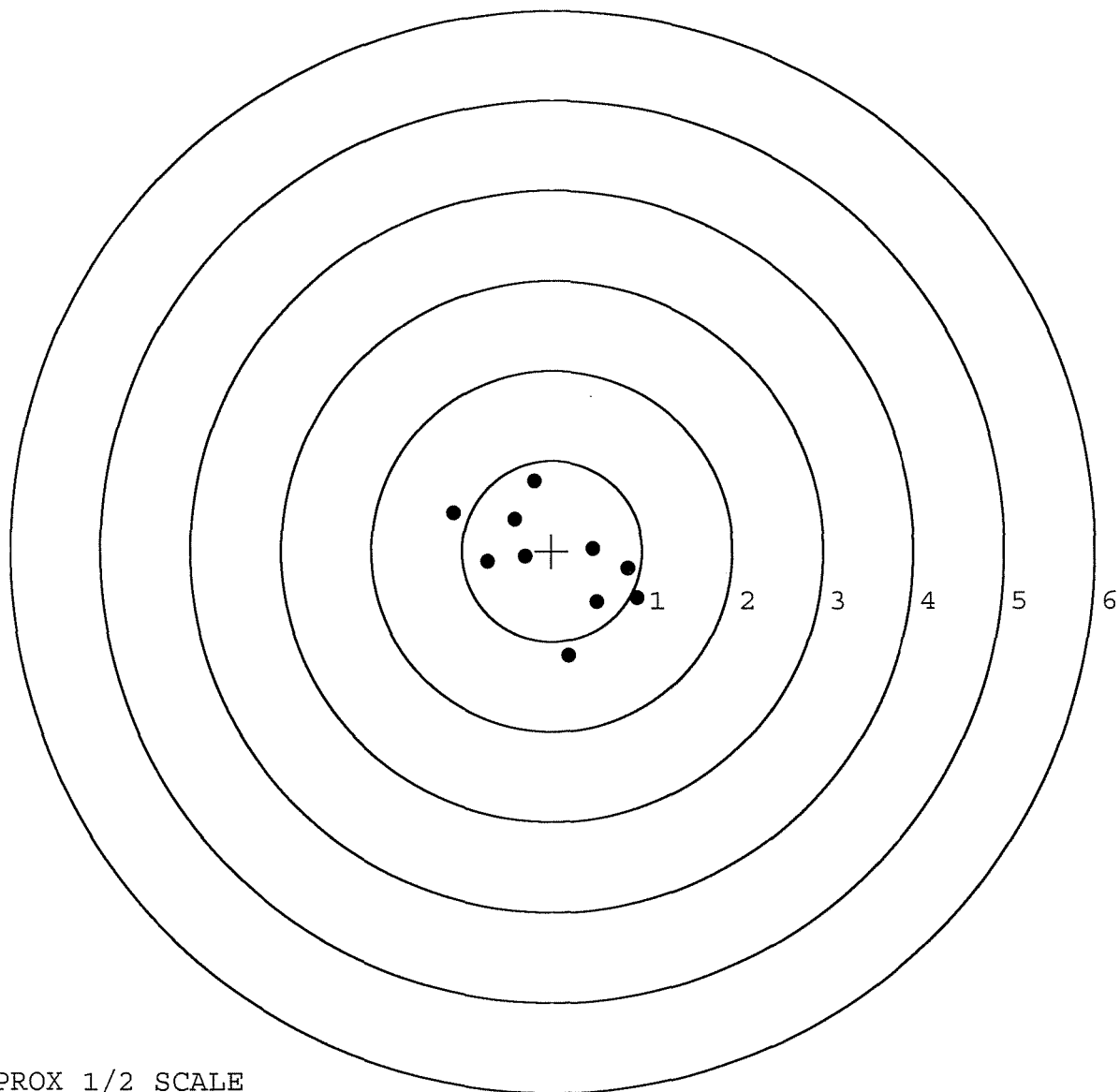


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522145. __0
TARGET NUMBER: 2
FILE DATE: 10/22/2004
FILE TIME: 06:22

X CENTROID: 0.022
Y CENTROID: -0.105
POA TO CENTROID: 0.107
HORZ SPREAD: 2.038
VERT SPREAD: 1.933
GROUP SPREAD: 2.246
MIN RADIUS: 0.318
MAX RADIUS: 1.233
MEAN RADIUS: 0.786
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.192	-1.160
2:	0.497	-0.563
3:	0.944	-0.526
4:	0.845	-0.197
5:	0.459	0.032
6:	-0.197	0.773
7:	-1.094	0.419
8:	-0.418	0.349
9:	-0.294	-0.064
10:	-0.718	-0.115

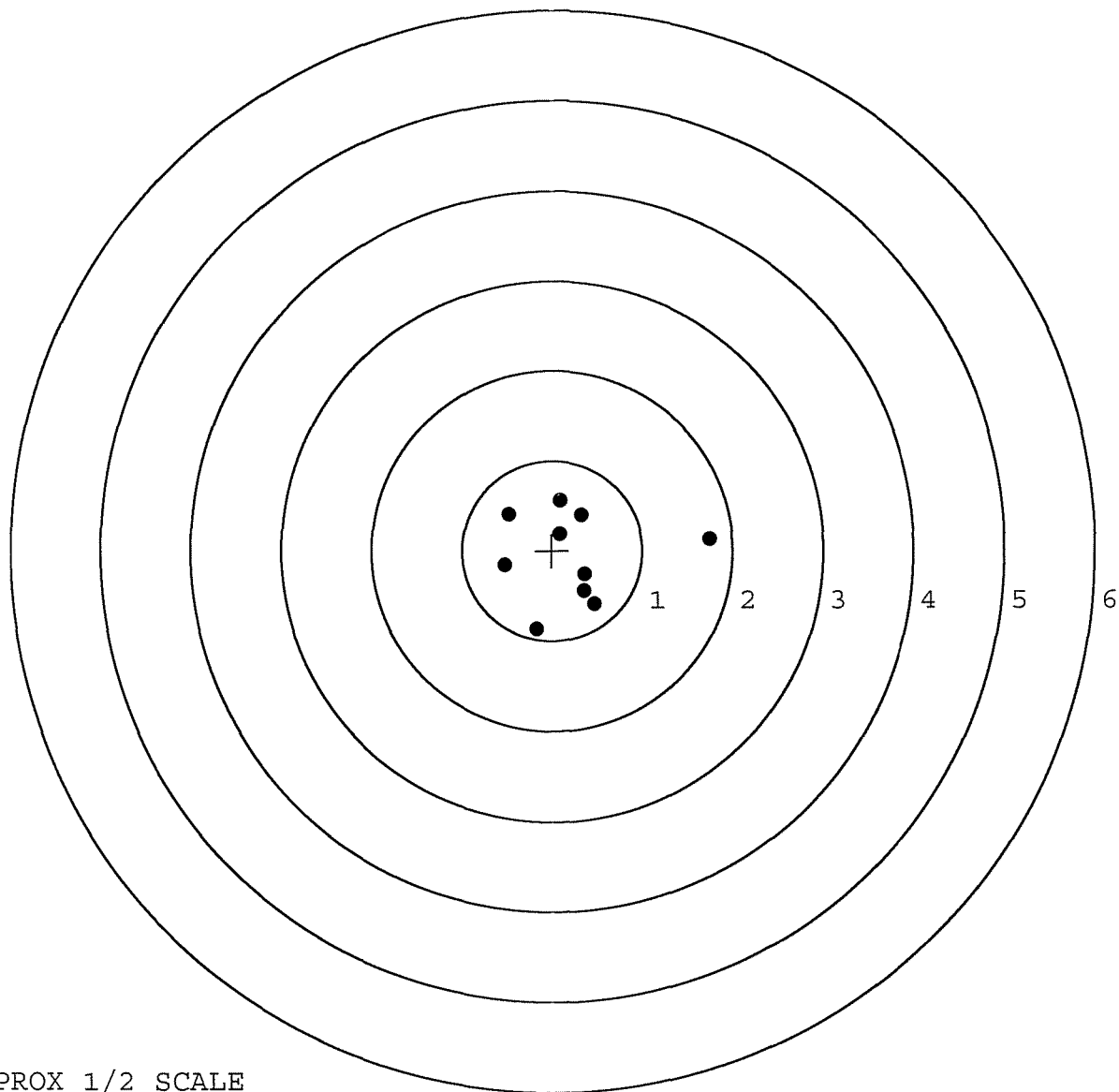


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522145. __0
TARGET NUMBER: 3
FILE DATE: 10/22/2004
FILE TIME: 06:22

X CENTROID: 0.227
Y CENTROID: -0.067
POA TO CENTROID: 0.237
HORZ SPREAD: 2.272
VERT SPREAD: 1.439
GROUP SPREAD: 2.290
MIN RADIUS: 0.237
MAX RADIUS: 1.536
MEAN RADIUS: 0.667
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.751	0.127
2:	-0.175	-0.879
3:	-0.521	-0.160
4:	-0.481	0.406
5:	0.088	0.560
6:	0.324	0.396
7:	0.090	0.182
8:	0.362	-0.262
9:	0.359	-0.447
10:	0.473	-0.596

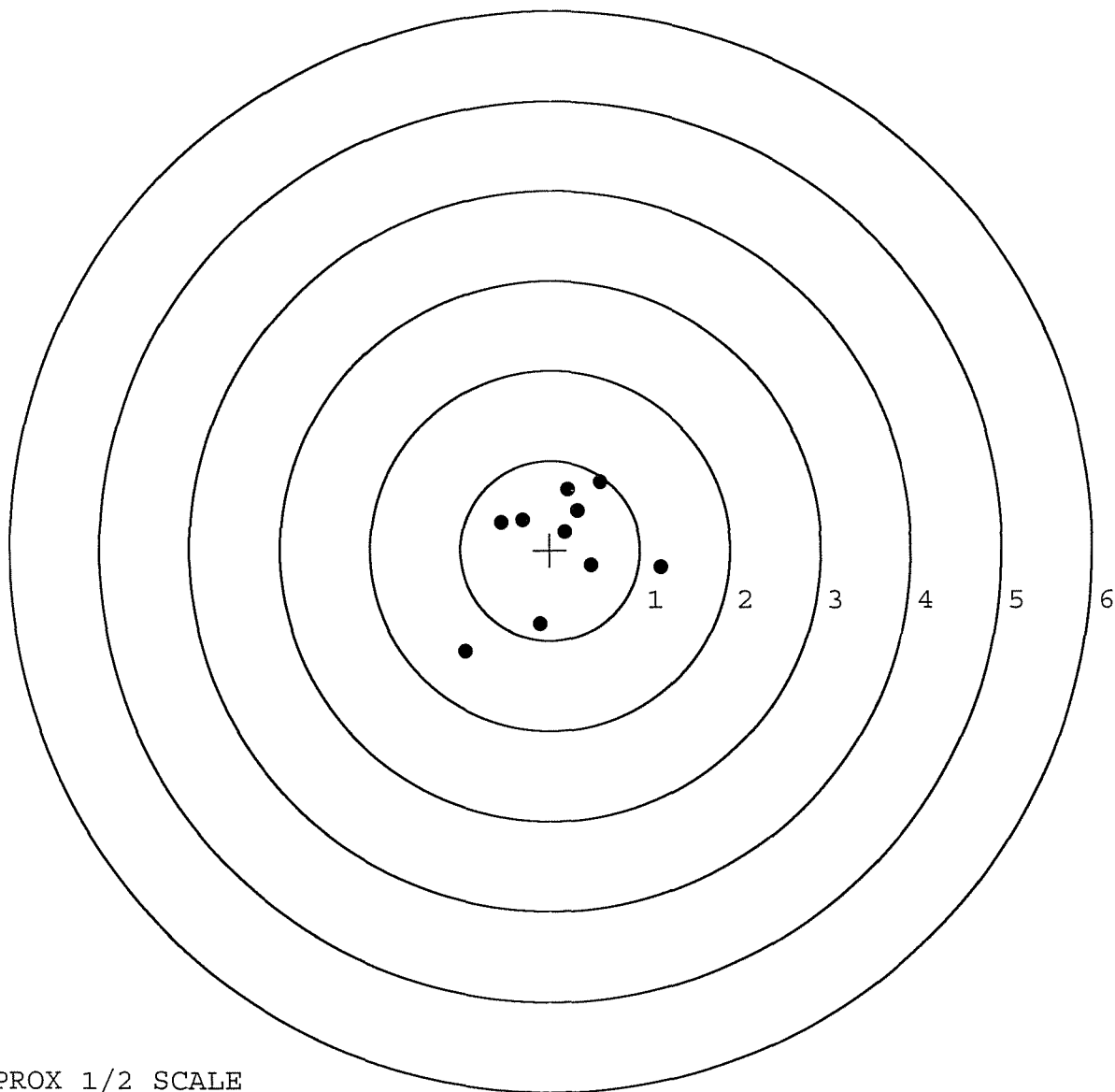


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522145. __0
TARGET NUMBER: 4
FILE DATE: 10/22/2004
FILE TIME: 06:22

X CENTROID: 0.100
Y CENTROID: 0.041
POA TO CENTROID: 0.108
HORZ SPREAD: 2.177
VERT SPREAD: 1.888
GROUP SPREAD: 2.411
MIN RADIUS: 0.180
MAX RADIUS: 1.566
MEAN RADIUS: 0.737
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.233	-0.199
2:	0.460	-0.172
3:	-0.118	-0.825
4:	-0.944	-1.127
5:	-0.548	0.308
6:	-0.312	0.335
7:	0.555	0.761
8:	0.200	0.676
9:	0.303	0.445
10:	0.171	0.206

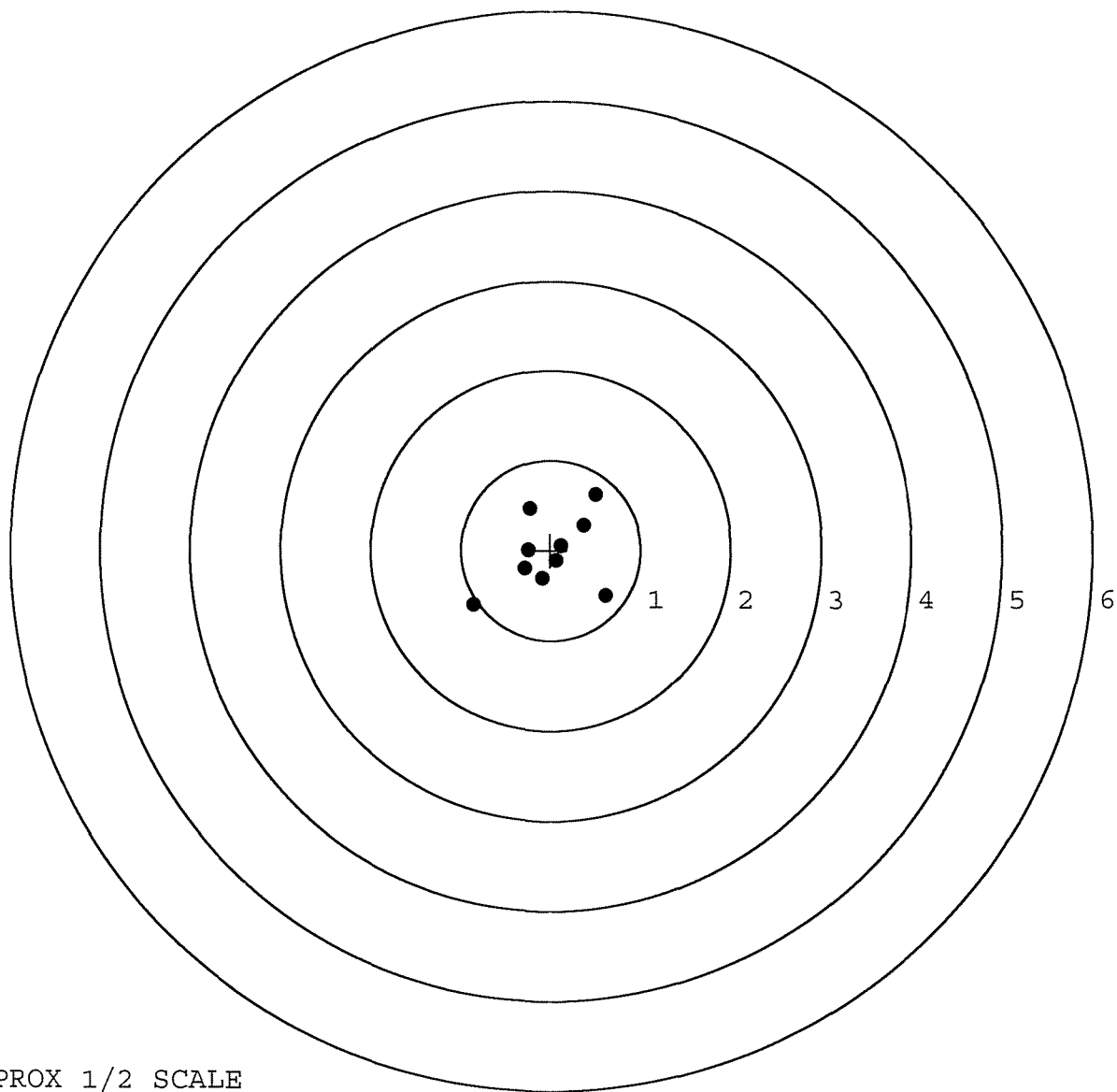


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522145.____0
TARGET NUMBER: 5
FILE DATE: 10/22/2004
FILE TIME: 06:22

X CENTROID: -0.010
Y CENTROID: -0.036
POA TO CENTROID: 0.038
HORZ SPREAD: 1.475
VERT SPREAD: 1.231
GROUP SPREAD: 1.833
MIN RADIUS: 0.106
MAX RADIUS: 1.029
MEAN RADIUS: 0.480
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.613	-0.510
2:	-0.862	-0.612
3:	-0.239	0.460
4:	0.496	0.619
5:	0.360	0.274
6:	0.114	0.050
7:	-0.098	-0.318
8:	-0.288	-0.213
9:	-0.252	0.003
10:	0.060	-0.116



TARGET APPROX 1/2 SCALE

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

[illegible]

R & E NUMBER	85594		
SERIAL NUMBER	C6522145		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-3-04	AC
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRW
575	ASSEMBLE	10-6-04	
600	PROOF	10-7-04	
605	CHECK HEADSPACE	10-7-04	
610	DIS-ASSEMBLE GUN	10-7-04	
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10-11-04	SB/CW
618	ROTO-BLAST	10-11-04	LB
620	APPLY COATINGS	10/19/04	HP
625 A	FINAL ASSEMBLY	10-21-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-22-04	TRW
655	FINAL INSPECT	10-25-04	RTL
660	PACK	11-5-04	RA
		SHIP DATE	
		QAR INSPECTION DATE	

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

M324000004453



Remington ®		 REG. U.S. PAT. & TM. OFF	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24			SERIAL NO. C6522145
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.			ORDER NO. 5716
 5716 C6522145			

01

2.59

2.54

2.44

2.50

2.41

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522145

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	7/10/90	KA
600	Proof		7/10/90	KA
607	Check Headspace		7/10/90	KA
610	Dis-assemble Gun		7/10/90	KA
612	Magnaflux Barrel Action		7/12/90	LSR
	Magnaflux Bolt		7/17/90	KR
615	Rollmark Caliber		7-17-90	B.S.
617	Drill and Tap Sight Holes		7/23/90	LB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		8/6/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/15/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/15/90	KS
	C) Inspect Ejector Hole for Chamfer		8/15/90	KS
	D) Oil Firing Pin Ass'y		8/15/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-16-90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/14/90	GH
	G) Safety Off Force	4	4	4			8/14/90	GH
	H) Trigger Pull Test & Retainability						9-16-90	GH
	I) Firing Pin Indent	.0215 .0235	.022 .0235	.022 .0235			8/14/90	GH
	J) Assemble Stock						8/16/90	KS
	K) Assemble Swivel Studs						9/16/90	GH
	L) Attach Front and Rear Sight Assemblies						8/16/90	KS
	M) Iron Sight Alignment						8/16/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/16/90	KS
	O) Attach Scope to Rifle						8/16/90	KS
	P) Detach & Attach Scope 20 Times						8/16/90	KS
640	Gallery Target & Test						8/17/90	AF
	A) Time						8/17/90	AF
	B) Malfunctions						8/17/90	AF
	C) Pierced Primers						8/17/90	AF
	D) Optical Clarity of Scope						8/17/90	AF
645	Inspect for Live Ammo						8/17/90	AF
655	Final Inspection							
	A) Headspace						9/16/90	GH
	B) Trigger Pull	2.39	2.22	2.15	2.17	2.10	9-16-90	GH
	C) Function						9/16/90	GH
660	Pack						9-18-90	GH

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

SERIAL NO C6522145DATE 9-16-90TESTER JEP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.19	2.22	2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.23	2.33	2.22	
PULL #3	2.19	2.26	2.33	2.15	
PULL #4	2.19	2.20	2.31	2.17	
PULL #5	2.23	2.23	2.26	2.10	
TOTAL	11.07	11.11	11.45	11.03	
AVG.	2.214	2.222	2.29	2.206	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.44		
PULL #2	3.44	3.44		
PULL #3	3.41	3.40		
PULL #4	3.45	3.41		
PULL #5	3.30	3.44		
TOTAL	16.94	17.13		
AVG.	3.388	3.426		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.29		4.30
PULL #2	4.27	4.31		4.28
PULL #3	4.25	4.35		4.27
PULL #4	4.33	4.29		4.35
PULL #5	4.27	4.40		4.29
TOTAL	21.47	21.64		21.49
AVG.	4.294	4.328		4.298

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522145
17 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.564881
1 TO	2	.191971
1 TO	3	.909725
1 TO	4	.0528394
1 TO	5	.356849

$\frac{4}{2} \frac{5}{3}$ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.203
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2496
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .320953

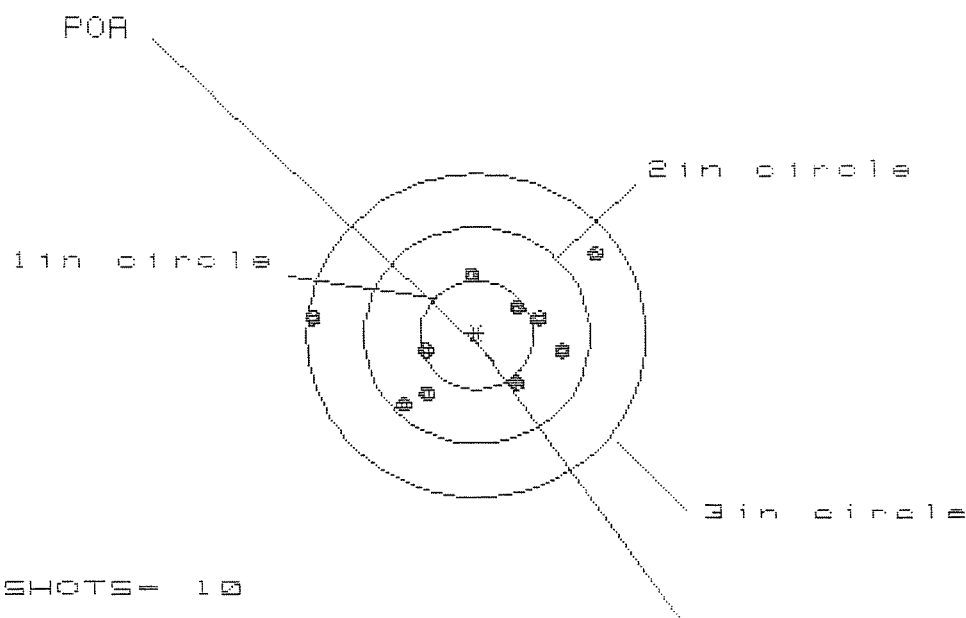
THE AMR FOR THIS RIFLE IS: .9998

17 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06522145

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 2.523

VS= 1.466

GS= 2.604

CENTROID #

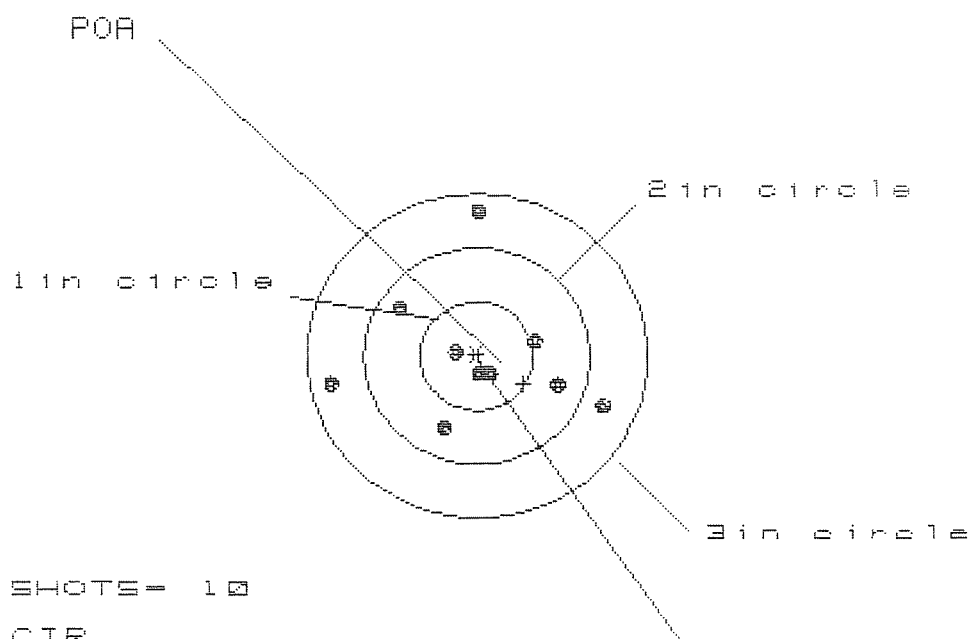
PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.070	.909	.696
MINIMUM X	:	-1.453	-.793	-.679
MAXIMUM Y	:	.786	.802	.710
MINIMUM Y	:	-.680	-.664	-.564
CENTROID X	:	-.353	-.192	-.305
CENTROID Y	:	.441	.425	.325
POA TO CENTROID in.	:	.565	.467	.446
MIN RADIUS	:	.484	.379	.440
MEAN RADIUS	:	.788	.689	.626
MAX RADIUS	:	1.460	1.212	.883
HORIZONTAL SPREAD	:	2.523	1.702	1.375
VERTICAL SPREAD	:	1.466	1.466	1.274
EXTREME SPREAD	:	2.604	2.246	1.472
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Aug 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06522145

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.383

VS= 1.905

GS= 2.399

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.113	1.109	.950
MINIMUM X	:	-1.270	-1.274	-.898
MAXIMUM Y	:	1.292	.591	.583
MINIMUM Y	:	-.613	-.470	-.478
CENTROID X	:	-.411	-.407	-.248
CENTROID Y	:	.258	.115	.123
POA TO CENTROID in.	:	.485	.423	.277
MIN RADIUS	:	.143	.020	.082
MEAN RADIUS	:	.716	.624	.548
MAX RADIUS	:	1.292	1.275	1.070
HORIZONTAL SPREAD	:	2.383	2.383	1.848
VERTICAL SPREAD	:	1.905	1.061	1.061
EXTREME SPREAD	:	2.399	2.399	2.073
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522145

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 8

HS= 1.592

VS= 3.612

GS= 3.651

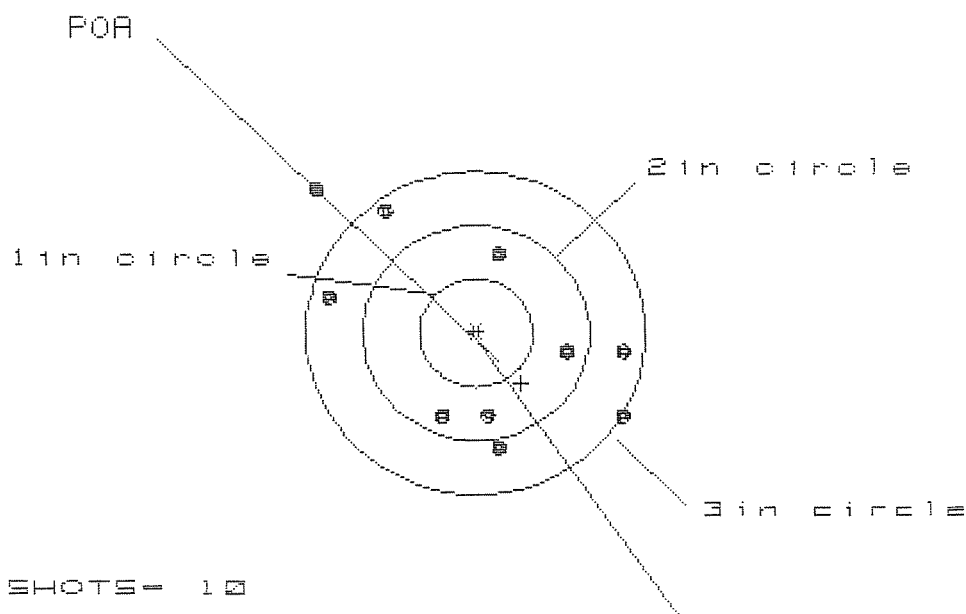
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.603	.604	.618
MINIMUM X	:	-.989	-.988	-.974
MAXIMUM Y	:	1.384	1.137	.911
MINIMUM Y	:	-2.228	-1.802	-1.007
CENTROID X	:	.147	.146	.132
CENTROID Y	:	-.319	-.072	.154
POA TO CENTROID in.	:	.351	.163	.202
MIN RADIUS	:	.386	.150	.125
MEAN RADIUS	:	1.136	.946	.787
MAX RADIUS	:	2.228	1.806	1.311
HORIZONTAL SPREAD	:	1.592	1.592	1.592
VERTICAL SPREAD	:	3.612	2.939	1.918
EXTREME SPREAD	:	3.651	2.969	2.370
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522145

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 8

HS= 2.731

VS= 2.355

GS= 3.452

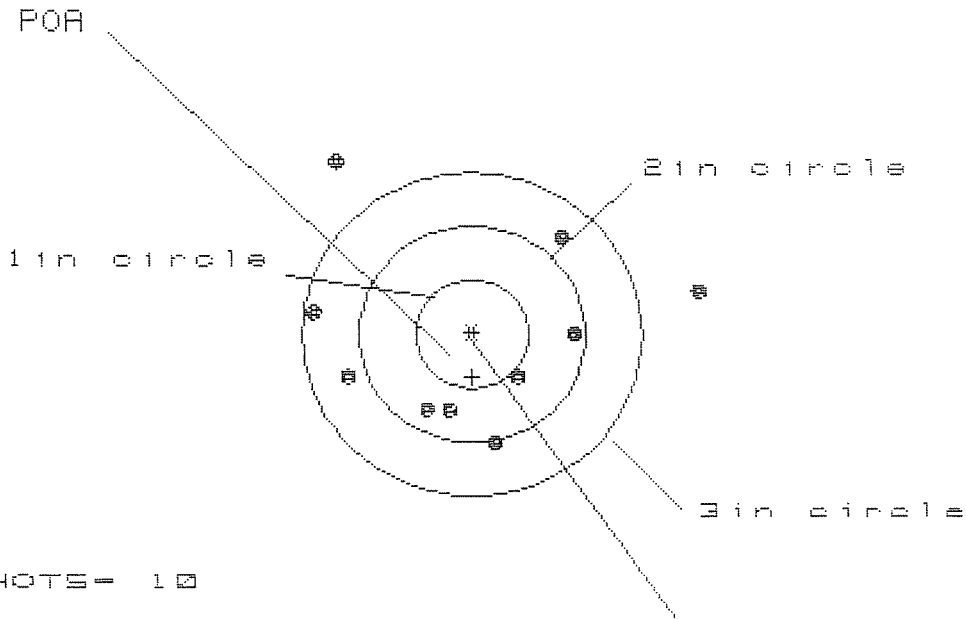
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.326	1.169	1.294
MINIMUM X	-1.405	-1.503	-1.356
MAXIMUM Y	1.314	1.312	1.231
MINIMUM Y	-1.041	-.895	-.976
CENTROID X	-.399	-.242	-.389
CENTROID Y	.467	.321	.402
POA TO CENTROID in.	.614	.402	.559
MIN RADIUS	.774	.615	.709
MEAN RADIUS	1.179	1.056	1.031
MAX RADIUS	1.924	1.600	1.451
HORIZONTAL SPREAD	2.731	2.672	2.650
VERTICAL SPREAD	2.355	2.207	2.207
EXTREME SPREAD	3.452	2.909	2.694
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	8	

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522145

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 3.458

VS= 2.597

GS= 3.463

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.031	1.139	1.017
MINIMUM X	-1.427	-1.201	-1.323
MAXIMUM Y	1.624	1.666	1.154
MINIMUM Y	-.973	-.931	-.722
CENTROID X	.001	-.225	-.103
CENTROID Y	.396	.354	.145
POA TO CENTROID in.	.396	.419	.178
MIN RADIUS	.558	.612	.411
MEAN RADIUS	1.180	1.067	.888
MAX RADIUS	2.066	1.930	1.438
HORIZONTAL SPREAD	3.458	2.340	2.340
VERTICAL SPREAD	2.597	2.597	1.876
EXTREME SPREAD	3.463	2.966	2.346
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522145
17 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.693488
1 TO	2	.386074
1 TO	3	.69723
1 TO	4	1.16185
1 TO	5	.425058

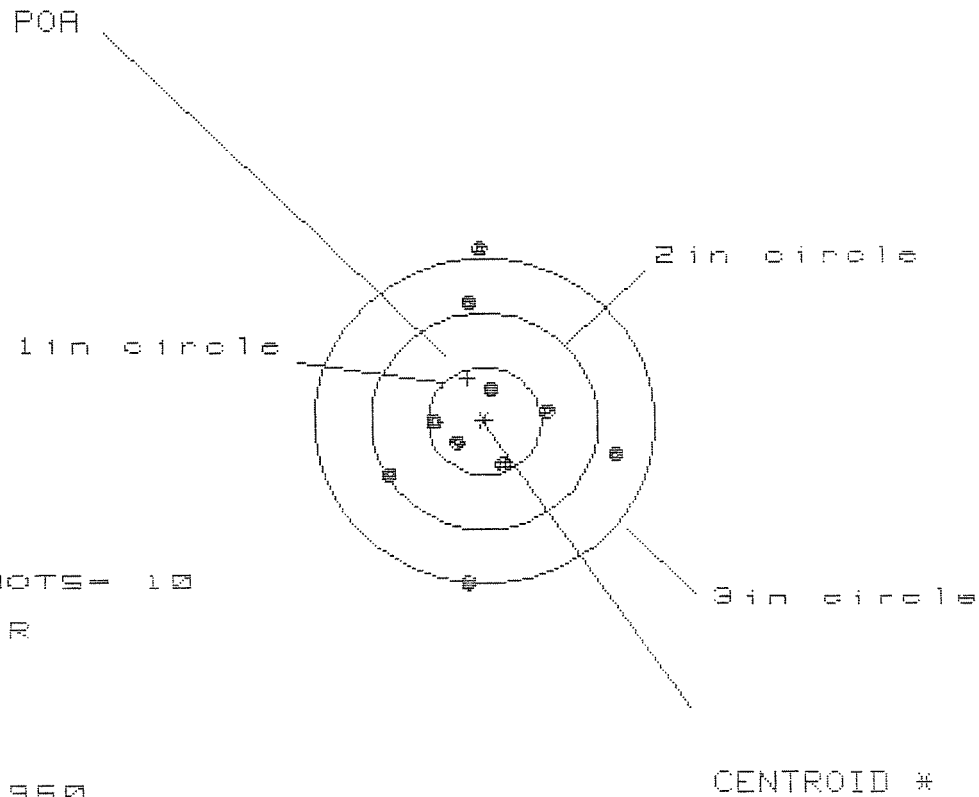
+ +2 (----POB
35)

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .084
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.284
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .296162
THE AMR FOR THIS RIFLE IS: .8676

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522145.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 6

3 in = 8

HS= 1.960

VS= 3.105

GS= 3.108

CENTROID *

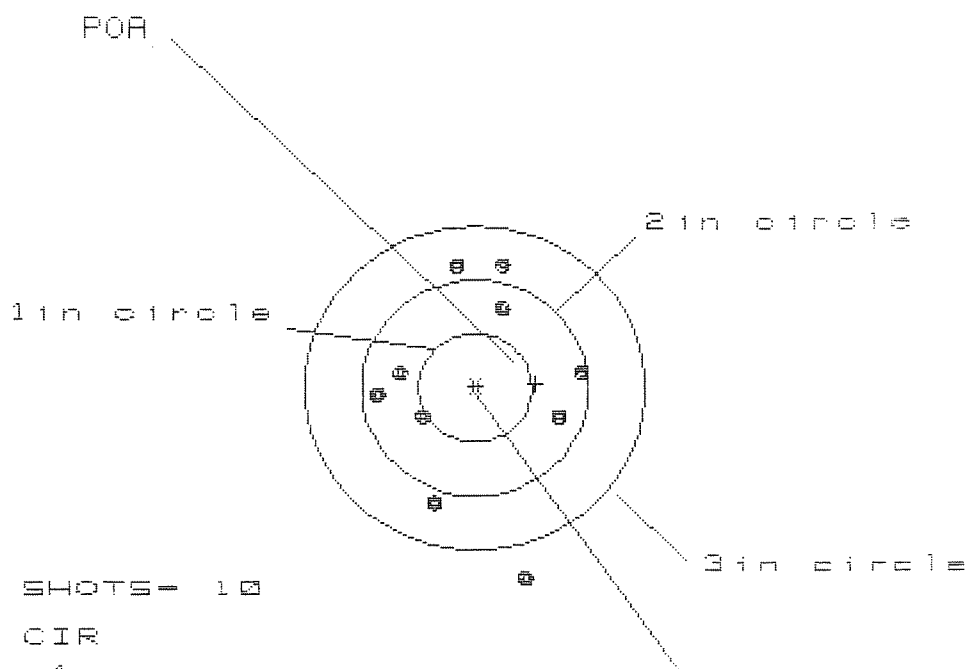
PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.108	1.106	1.089
MINIMUM X	:	-.852	-.854	-.871
MAXIMUM Y	:	1.562	1.232	1.061
MINIMUM Y	:	-1.543	-1.370	-.504
CENTROID X	:	.145	.147	.164
CENTROID Y	:	-.402	-.575	-.404
POA TO CENTROID in.	:	.427	.594	.436
MIN RADIUS	:	.259	.267	.258
MEAN RADIUS	:	.836	.748	.657
MAX RADIUS	:	1.562	1.377	1.131
HORIZONTAL SPREAD	:	1.960	1.960	1.960
VERTICAL SPREAD	:	3.105	2.602	1.565
EXTREME SPREAD	:	3.108	2.602	1.970
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522145.1

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.731

VS= 2.924

GS= 2.991

CENTROID #

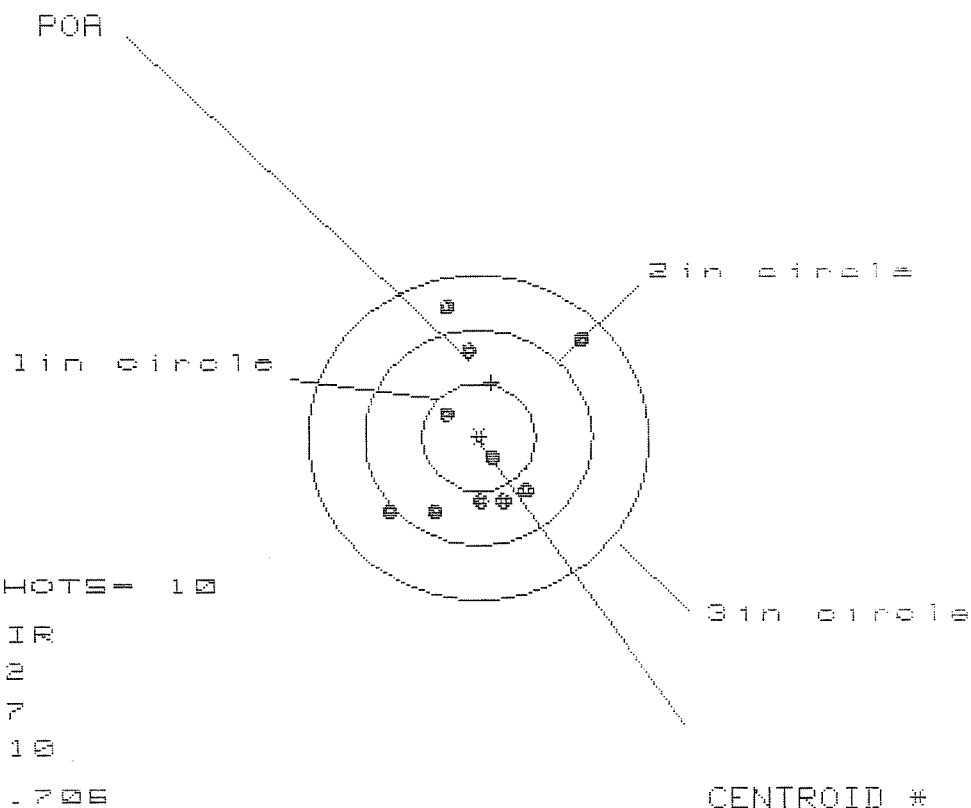
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.893	.941	.973
MINIMUM X	:	-.838	-.790	-.758
MAXIMUM Y	:	1.141	.942	1.060
MINIMUM Y	:	-1.784	-1.213	-1.095
CENTROID X	:	-.535	-.583	-.615
CENTROID Y	:	-.036	.162	.044
POA TO CENTROID in.	:	.537	.605	.617
MIN RADIUS	:	.493	.589	.481
MEAN RADIUS	:	.972	.853	.829
MAX RADIUS	:	1.834	1.243	1.121
HORIZONTAL SPREAD	:	1.731	1.731	1.731
VERTICAL SPREAD	:	2.924	2.155	2.155
EXTREME SPREAD	:	2.991	2.219	2.159
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Sep 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08522145.1

CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.706

VS= 1.959

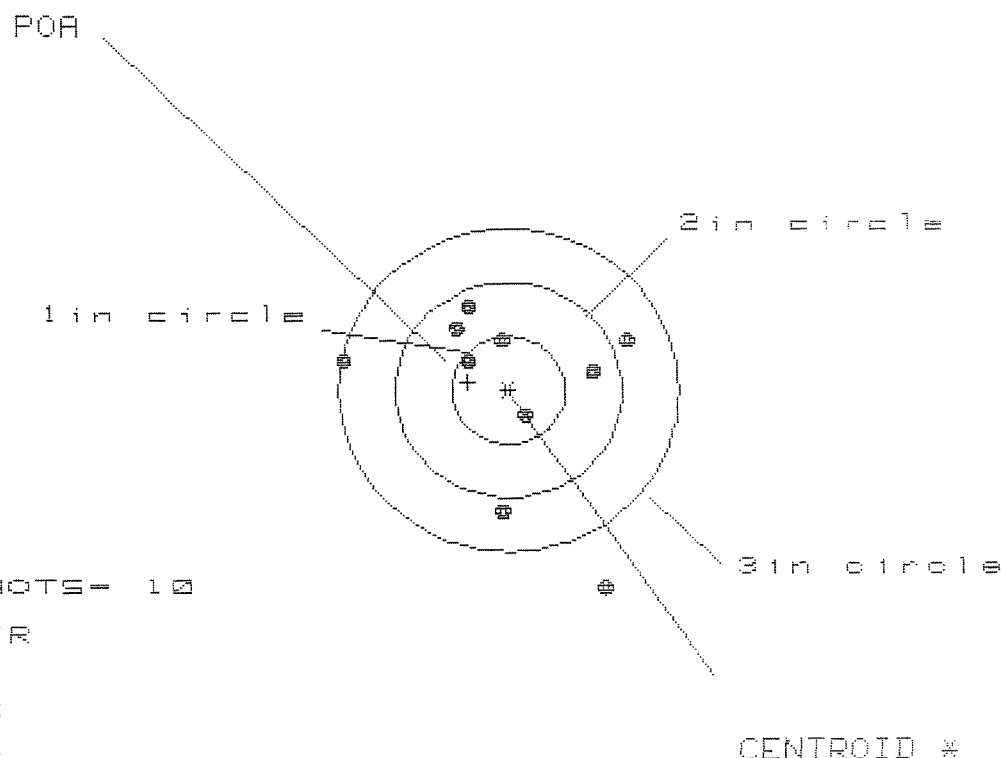
GS= 2.325

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.962	.540	.518
MINIMUM X	:	-.744	-.638	-.668
MAXIMUM Y	:	1.257	1.354	1.073
MINIMUM Y	:	-.702	-.605	-.435
CENTROID X	:	-.117	-.223	-.201
CENTROID Y	:	-.514	-.611	-.781
POA TO CENTROID in.	:	.527	.651	.806
MIN RADIUS	:	.162	.195	.211
MEAN RADIUS	:	.755	.676	.554
MAX RADIUS	:	1.302	1.366	1.073
HORIZONTAL SPREAD	:	1.706	1.178	1.178
VERTICAL SPREAD	:	1.959	1.959	1.508
EXTREME SPREAD	:	2.325	2.012	1.645
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522145.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.465

VS= 2.586

GS= 3.089

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.993	1.084	.912
MINIMUM X	:	-1.472	-1.381	-.490
MAXIMUM Y	:	.804	.606	.617
MINIMUM Y	:	-1.782	-1.278	-1.267
CENTROID X	:	.357	.266	.438
CENTROID Y	:	-.073	.125	.114
POA TO CENTROID in.	:	.364	.294	.453
MIN RADIUS	:	.297	.262	.305
MEAN RADIUS	:	.923	.759	.684
MAX RADIUS	:	1.962	1.384	1.272
HORIZONTAL SPREAD	:	2.465	2.465	1.402
VERTICAL SPREAD	:	2.586	1.884	1.884
EXTREME SPREAD	:	3.089	2.473	1.908
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522145.1

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.164

VS= 2.591

GS= 2.830

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.187	1.193	1.298
MINIMUM X	:	-.977	-.971	-.822
MAXIMUM Y	:	1.584	.866	.762
MINIMUM Y	:	-1.007	-.831	-.555
CENTROID X	:	.570	.564	.415
CENTROID Y	:	-.395	-.571	-.467
POA TO CENTROID in.	:	.693	.803	.625
MIN RADIUS	:	.243	.140	.124
MEAN RADIUS	:	.852	.750	.625
MAX RADIUS	:	1.584	1.454	1.338
HORIZONTAL SPREAD	:	2.164	2.164	2.120
VERTICAL SPREAD	:	2.591	1.697	1.317
EXTREME SPREAD	:	2.830	2.246	2.221
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		