

C6611477

MODEL 700™ M24

Model **SMS**™

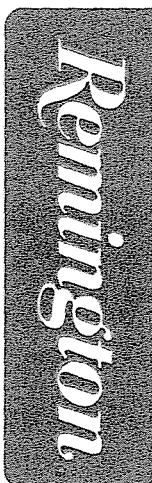
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Smith

Repair Inquiry

Repair Number: RE00146476

Serial: C6611477 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1991

Repairman:

Verify Repair

Status:

Closed 6/17/2008 9:52:06 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: DEF DIST DEPOT

DEF DIST DEPOT

Address 1: 7 FRANKFORD AVE BLDG 362

7 FRANKFORD AVE BLDG 362

Address 2: PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL Zip Code: 36201

Country: US

State: AL Zip Code: 36201

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1
D000	FLASH SUPPRESSOR	1

Repair Search

Refresh

Close

naglej

6/17/2008

10:49 AM

CAPS

NUM

INS

SCRL

start

10 M

My ...

4 M

Par...

Ar...

Cre...

My ...

[Icons]

10:49 AM

Number: C6611477
Model: M24 SWS
RE00146476

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER

146476

SERIAL NUMBER

C6611477

LOG-IN DATE

6-17-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-9-09	RT
505	RE-BARREL	9-11-09	RT
420	ASSEMBLE	9-11-09	RT
440	PROOF	9-11-09	SP
460	CHECK HEADSPACE	9-11-09	SP
470	DIS-ASSEMBLE GUN	9-11-09	SP
480	MAGNAFLUX	9/17/09	SP
510	DRILL AND TAP	9-14-09	SP
500	ROLLMARK CALIBER	9/17/09	SP
520	GOFF BLAST BBL / REC	9/17/09	SP
530 & 540	APPLY COATINGS	9/18	SP
560	FINAL ASSEMBLY	9-23-09	RT
640	FUNCTION TEST AND	9-28-09	RP
650	TARGET	9-28-09	RP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-28-09	RP
	A) HEADSPACE	9-29-09	RP
	B) TRIGGER PULL	2.21 2.25 2.35 2.30 2.29 9/29/09	RP
680	F) SAFETY ON FORCE	3° 3° 3°	
	G) SAFETY OFF FORCE	6° 6° 6°	9/29/09 RP
	I) FIRING PIN INDENT	.024 .024 .024	
690	PACK	10/6/09	FM

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611477.___0

FILE DATE AND TIME: 09/29/2009 10:19

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.057
The Average Y Centroid of the Five Target Set:	-0.014
The Average Point of Impact of the Five Target Set:	0.059
The Average Mean Radius of the Five Target Set:	0.611
The Distance from POA to Centroid Target #1:	0.052
The Distance from Centroid Target #2 to Centroid Target #1:	0.137
The Distance from Centroid Target #3 to Centroid Target #1:	0.080
The Distance from Centroid Target #4 to Centroid Target #1:	0.197
The Distance from Centroid Target #5 to Centroid Target #1:	0.030

SERIAL NUMBER: C6611477. __0

TARGET NUMBER: 1

FILE DATE: 09/29/2009

FILE TIME: 10:19

POINT#	X	Y
1:	0.682	0.998
2:	0.416	0.510
3:	0.091	0.111
4:	0.911	0.178
5:	0.517	-0.372
6:	-0.503	0.294
7:	-0.375	-0.977
8:	-0.298	-0.444
9:	-0.548	-0.293
10:	-0.734	-0.502

X CENTROID: 0.016

Y CENTROID: -0.050

POA TO CENTROID: 0.052

HORZ SPREAD: 1.645

VERT SPREAD: 1.975

GROUP SPREAD: 2.240

MIN RADIUS: 0.177

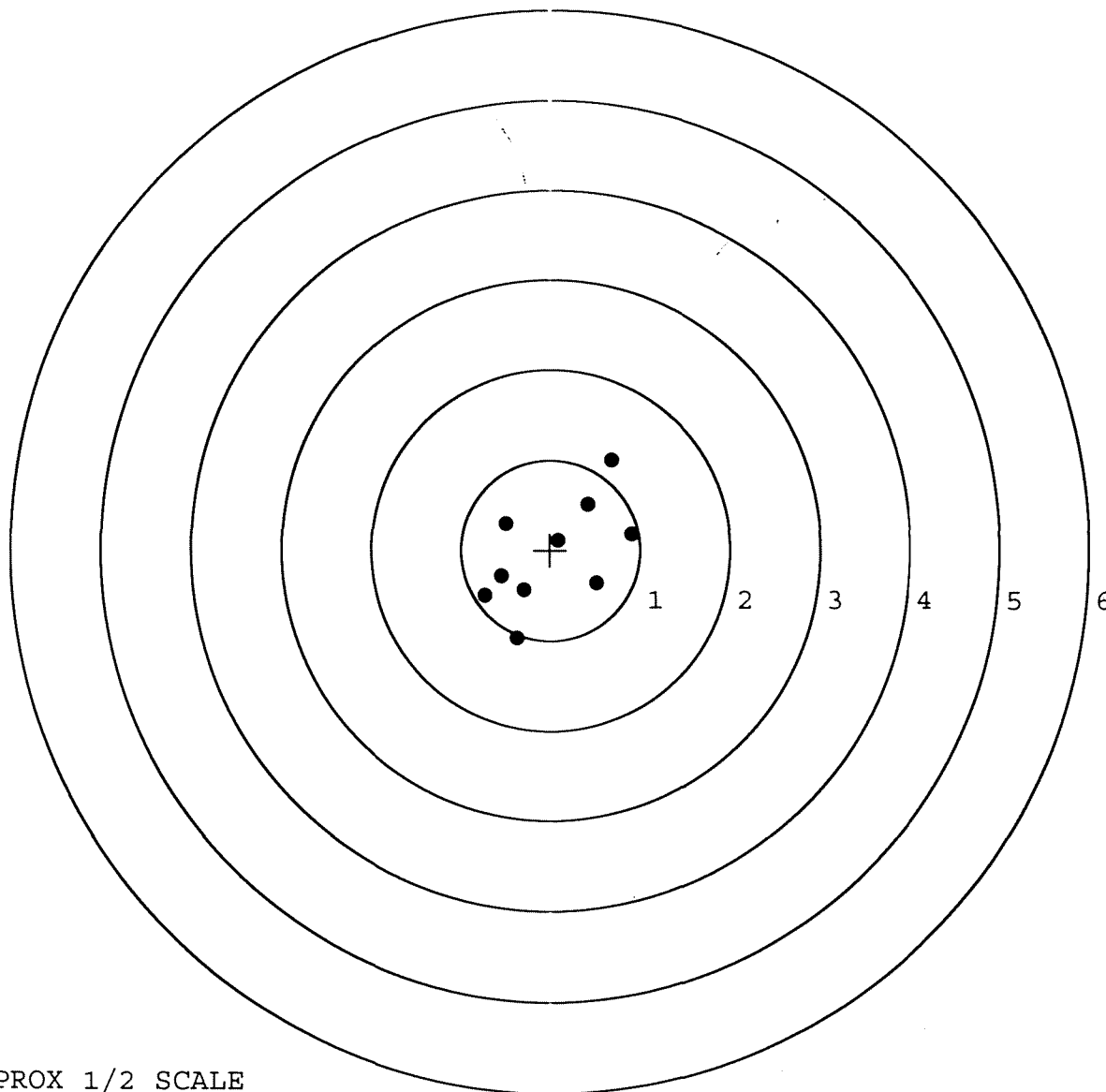
MAX RADIUS: 1.242

MEAN RADIUS: 0.725

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611477. __0

TARGET NUMBER: 2

FILE DATE: 09/29/2009

FILE TIME: 10:19

X CENTROID: 0.013

Y CENTROID: 0.087

POA TO CENTROID: 0.088

HORZ SPREAD: 1.381

VERT SPREAD: 1.126

GROUP SPREAD: 1.545

MIN RADIUS: 0.326

MAX RADIUS: 0.800

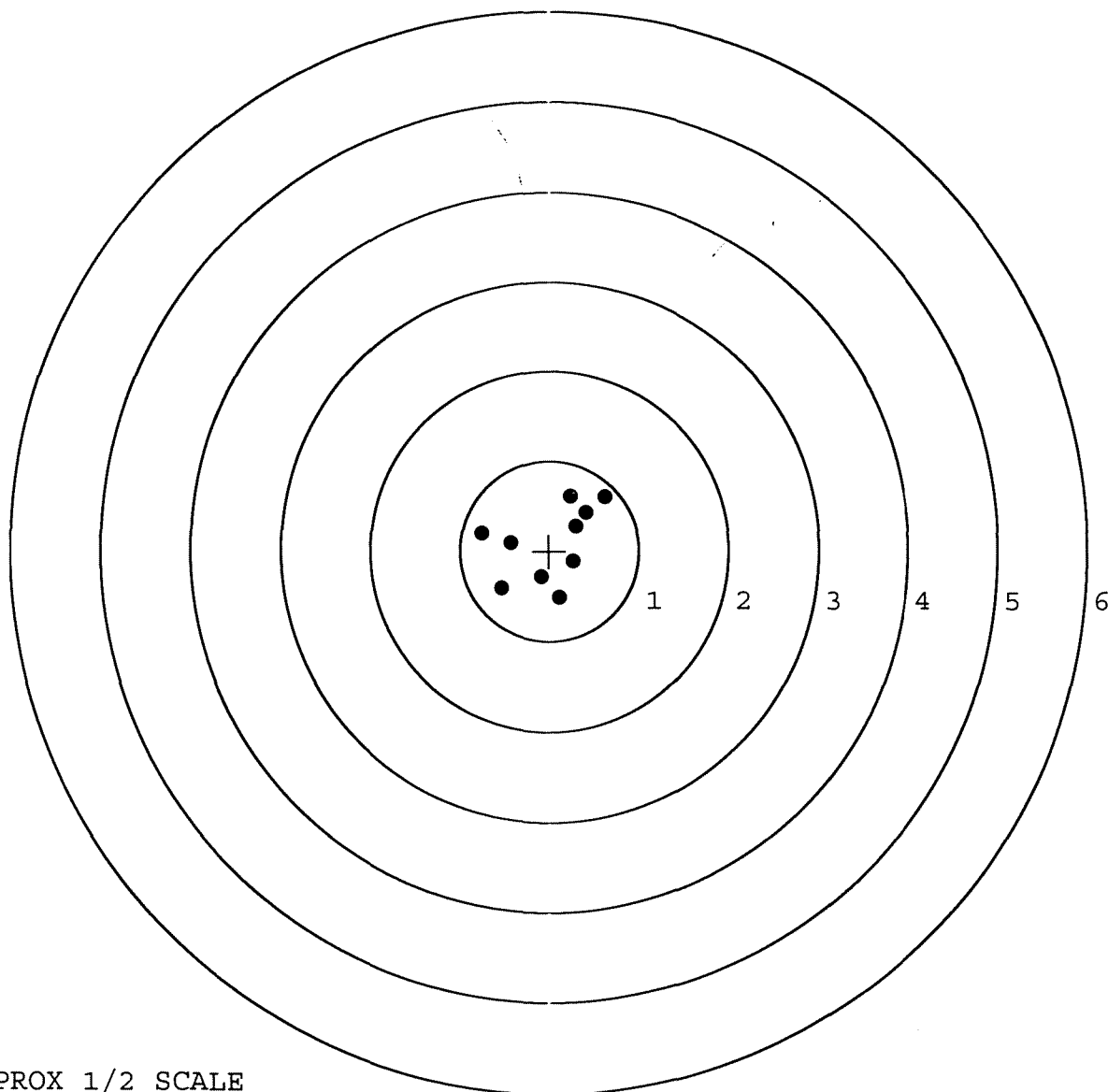
MEAN RADIUS: 0.553

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.236	0.612
2:	0.622	0.606
3:	0.408	0.433
4:	0.295	0.274
5:	-0.759	0.199
6:	-0.430	0.087
7:	-0.534	-0.419
8:	0.116	-0.514
9:	0.268	-0.115
10:	-0.092	-0.289



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611477. 0

TARGET NUMBER: 3

FILE DATE: 09/29/2009

FILE TIME: 10:19

X CENTROID: 0.065

Y CENTROID: -0.113

POA TO CENTROID: 0.130

HORZ SPREAD: 1.781

VERT SPREAD: 1.273

GROUP SPREAD: 1.799

MIN RADIUS: 0.119

MAX RADIUS: 1.052

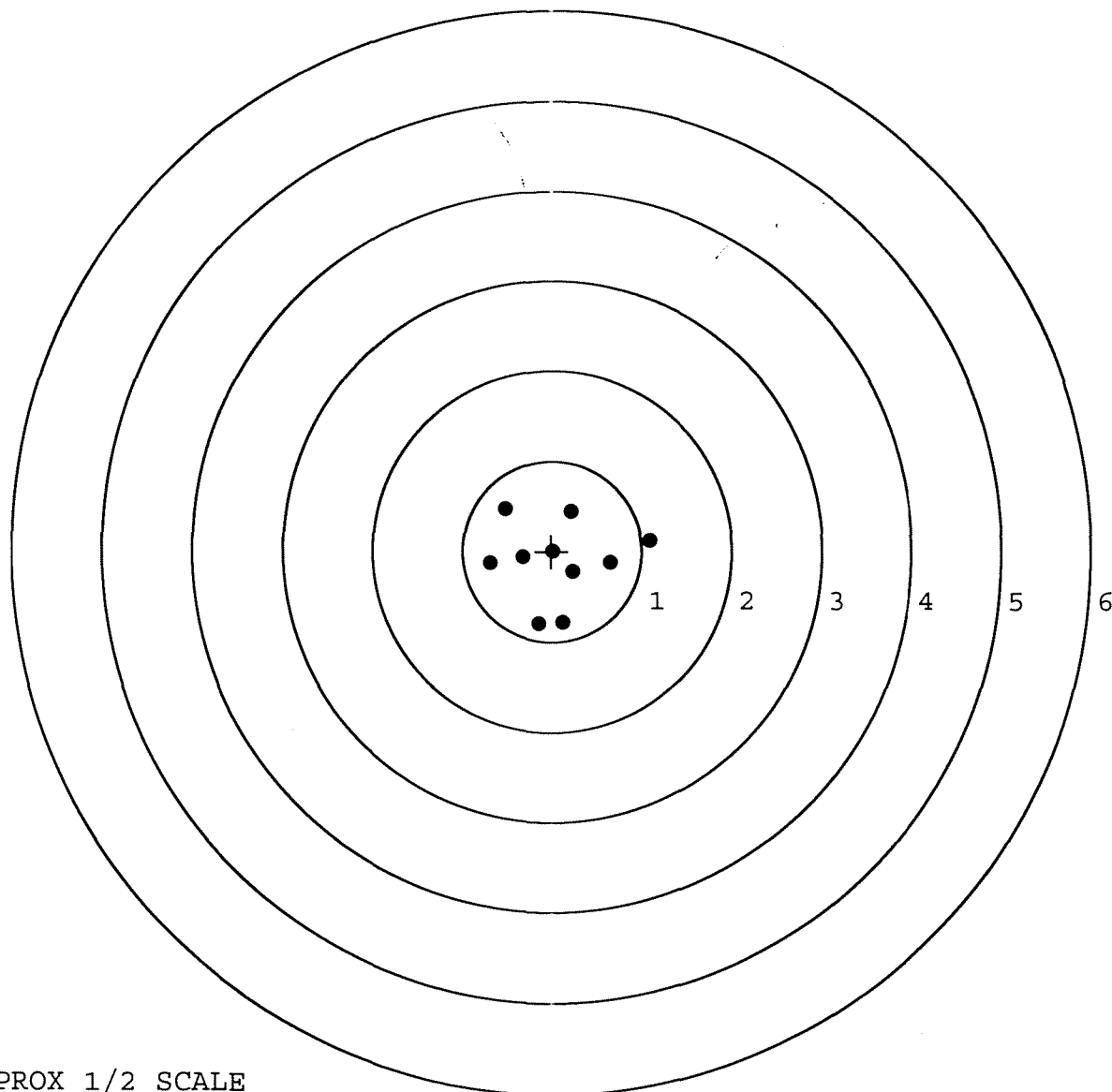
MEAN RADIUS: 0.593

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.525	0.473
2:	0.215	0.446
3:	1.091	0.118
4:	0.124	-0.789
5:	-0.151	-0.800
6:	0.656	-0.130
7:	0.239	-0.232
8:	0.017	-0.004
9:	-0.325	-0.073
10:	-0.690	-0.139



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611477. 0

TARGET NUMBER: 4

FILE DATE: 09/29/2009

FILE TIME: 10:19

X CENTROID: 0.195

Y CENTROID: 0.031

POA TO CENTROID: 0.198

HORZ SPREAD: 1.711

VERT SPREAD: 1.106

GROUP SPREAD: 1.766

MIN RADIUS: 0.452

MAX RADIUS: 1.016

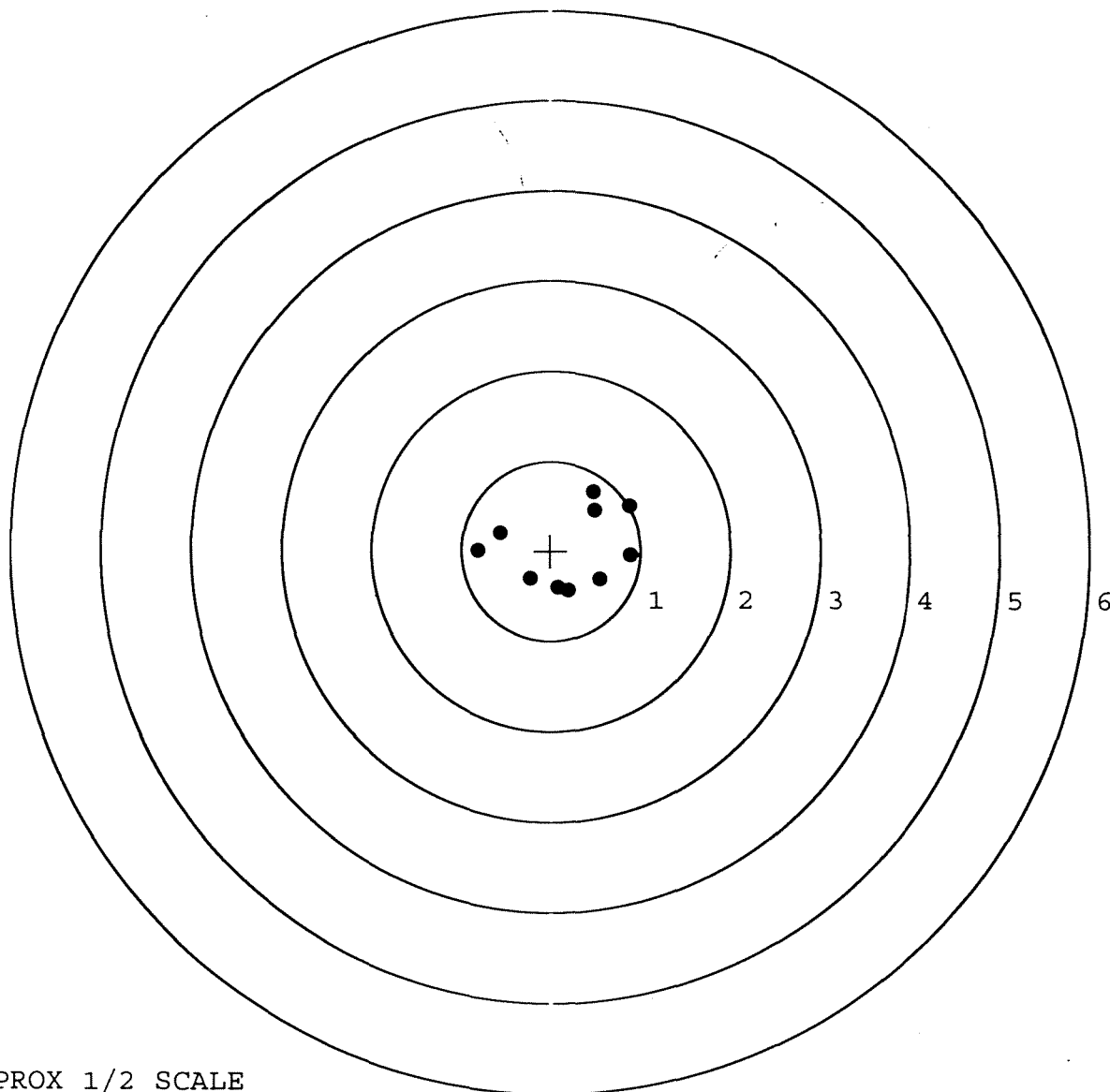
MEAN RADIUS: 0.650

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.891	-0.050
2:	0.877	0.501
3:	0.549	-0.317
4:	0.083	-0.407
5:	-0.230	-0.307
6:	-0.820	0.013
7:	-0.561	0.201
8:	0.476	0.662
9:	0.493	0.457
10:	0.196	-0.444



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611477. __0

TARGET NUMBER: 5

FILE DATE: 09/29/2009

FILE TIME: 10:19

X CENTROID: -0.003

Y CENTROID: -0.026

POA TO CENTROID: 0.026

HORZ SPREAD: 1.608

VERT SPREAD: 1.465

GROUP SPREAD: 1.662

MIN RADIUS: 0.070

MAX RADIUS: 0.936

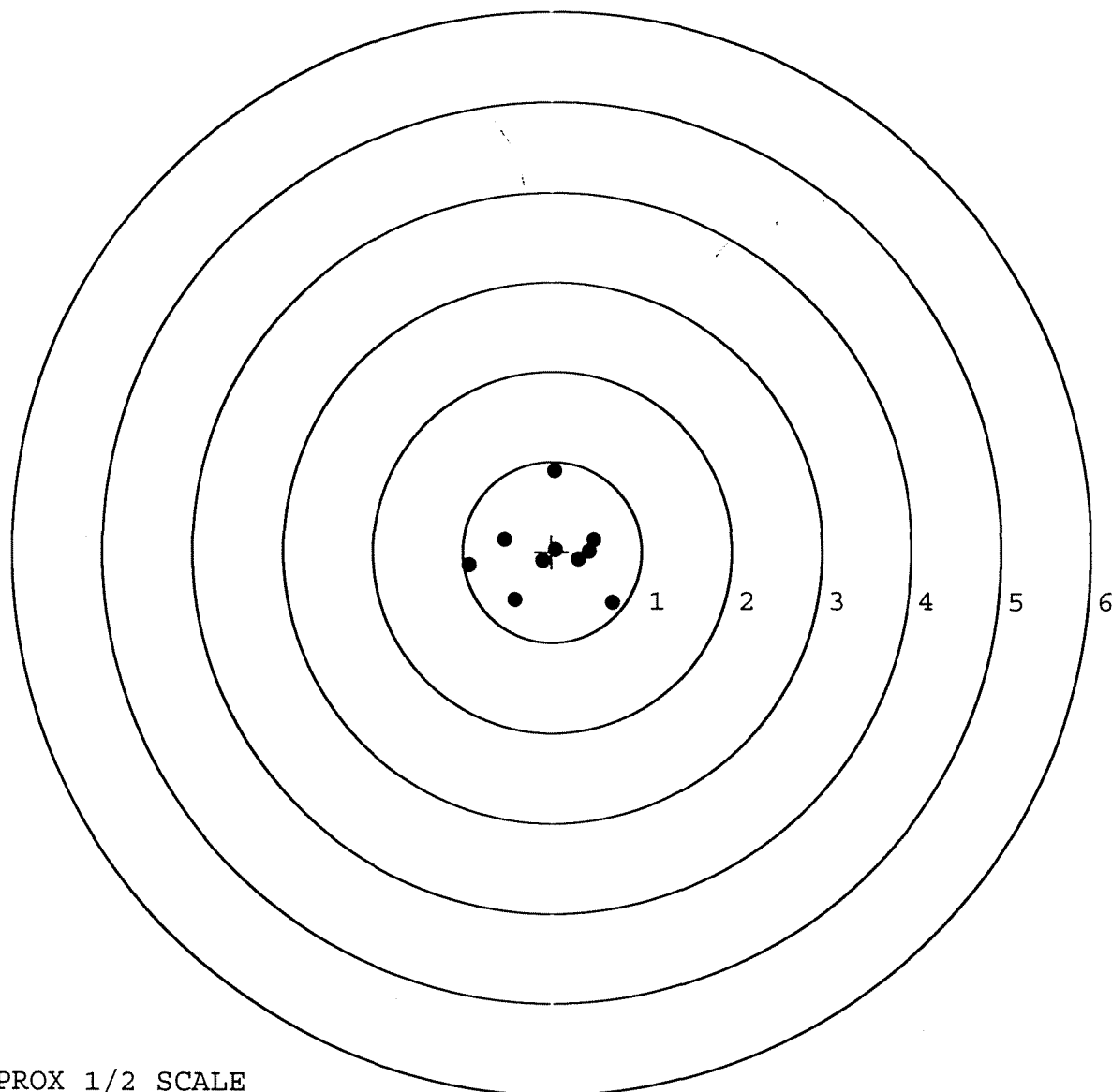
MEAN RADIUS: 0.536

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.039	0.894
2:	-0.931	-0.151
3:	-0.528	0.135
4:	-0.418	-0.536
5:	0.677	-0.571
6:	0.469	0.130
7:	0.419	0.006
8:	0.299	-0.089
9:	0.045	0.024
10:	-0.103	-0.104



TARGET APPROX 1/2 SCALE

R. 94-18217

RD6925 REV. 1/94

M2400077621

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CL 2011477

DATE 8/23/95

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.77	2.48	2.47		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.52	2.22	2.33		
PULL #3	2.39	2.16	2.57		
PULL #4	2.51	2.46	2.63		
PULL #5	2.43	2.29	2.73		
TOTAL	12.62	11.61	12.73		
AVG.	2.52	2.32	2.54		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.09		
PULL #2	3.26	3.27		
PULL #3	3.09	3.18		
PULL #4	3.00	3.00		
PULL #5	3.04	3.20		
TOTAL	15.58	15.74		
AVG.	3.11	3.14		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.32	4.05	
PULL #2	4.37	4.28	4.00	
PULL #3	4.18	4.17	4.10	
PULL #4	4.37	4.06	4.00	
PULL #5	4.35	4.01	4.22	
TOTAL	20.63	20.84	20.37	
AVG.	4.32	4.16	4.07	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6611477

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	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	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			11/29	W.B.
	G) Safety Off Force	3	3	3			11/29	W.B.
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	1021	10225	1023			12/4/50	RW
	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	2.32	2.20	2.49	2.31	2.32	11/29	W.B.
	C) Function							
660	Pack							

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

Remington®

MODEL 700™ H24

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

DUPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6611477

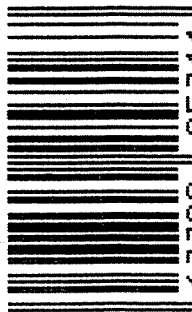
ORDER NO.
5716

20



5716 C6611477

UPC



0 47200 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6611477**

OP. #	OP. NAME	READINGS	DATE -	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	3/13/91	K.S.
600	Proof		3/13/91	K.S.
607	Check Headspace		3/13/91	K.S.
610	Dis-assemble Gun		3/13/91	K.S.
612	Magnaflux Barrel Action		3/27/91	K.R.
	Magnaflux Bolt		11	K.R.
615	Rollmark Caliber		3/27/91	LS
617	Drill and Tap Sight Holes		APR 3 1991	LB
618	Polish Barrel		APR 3 1991	WV
620	Apply Coatings (Barrel Action)		4-18-91	TS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/2/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/2/91	KS
	C) Inspect Ejector Hole for Chamfer		5/2/91	KS
	D) Oil Firing Pin Ass'y		5/2/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5/8/91	JS

Op. #	Op. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/8/91	SM
	G) Safety Off Force	4	4	4			5/8/91	SM
	H) Trigger Pull Test & Retainability						5/8/91	SM
	I) Firing Pin Indent	1021	1023	1023			5/8/91	SM
	J) Assemble Stock						5/8/91	KS
	K) Assemble Swivel Studs						5-17-91	KS
	L) Attach Front and Rear Sight Assemblies						5/8/91	KS
	M) Iron Sight Alignment						5/8/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/8/91	KS
	O) Attach Scope to Rifle						5/8/91	KS
	P) Detach & Attach Scope 20 Times						5/8/91	KS
640	Gallery Target & Test						5-10-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						5-10-91	NF
655	Final Inspection							
	A) Headspace						5-17-91	KS
	B) Trigger Pull	241	240	240	240	243	5/13/91	SM
	C) Function						5-17-91	KS
660	Pack						6-18-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6611427DATE 5/8/91TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.44	2.40	2.41	MIN. SETTING, NO AVG. (OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.42	2.38	2.40	
PULL #3	2.45	2.39	2.41	2.40	
PULL #4	2.38	2.42	2.45	2.40	
PULL #5	2.42	2.43	2.43	2.43	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES			COMMENTS
PULL #1	3.35	3.39			
PULL #2	3.34	3.39			
PULL #3	3.41	3.35			
PULL #4	3.39	3.31			
PULL #5	3.45	3.40			
TOTAL					
AVG.					

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.27		4.27
PULL #2	4.28	4.23		4.29
PULL #3	4.21	4.18		4.28
PULL #4	4.23	4.27		4.25
PULL #5	4.23	4.24		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611477
10 May 1991

CENTROIDAL DISTANCES

0 TO	1	.335704
1 TO	2	.603511
1 TO	3	.298107
1 TO	4	.467172
1 TO	5	.385379

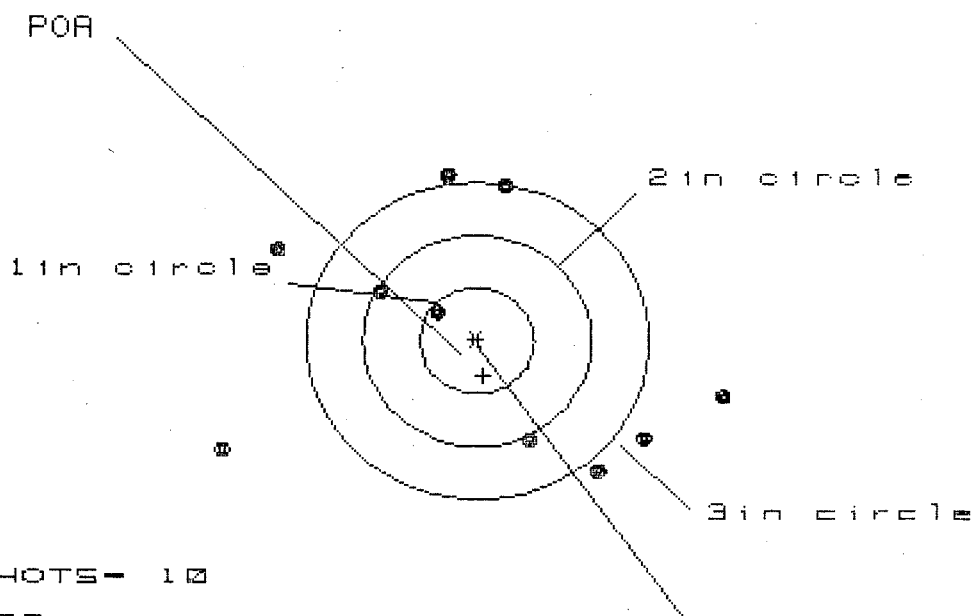
/ $\bar{U}_2^4$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2026
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1568
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .25618
THE AMR FOR THIS RIFLE IS: 1.017

18 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611477

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in - 1

2 in - 2

3 in - 4

HS - 4.420

VS - 2.822

GS - 4.452

CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.173	1.924	1.423
MINIMUM X	:	-2.247	-1.985	-1.745
MAXIMUM Y	:	1.610	1.492	1.412
MINIMUM Y	:	-1.212	-1.330	-1.410
CENTROID X	:	-.056	.194	-.046
CENTROID Y	:	.331	.449	.529
POA TO CENTROID in.	:	.335	.489	.531
MIN RADIUS	:	.389	.571	.321
MEAN RADIUS	:	1.541	1.434	1.315
MAX RADIUS	:	2.485	2.128	1.875
HORIZONTAL SPREAD	:	4.420	3.909	3.168
VERTICAL SPREAD	:	2.822	2.822	2.822
EXTREME SPREAD	:	4.452	4.156	3.628
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	2		
NUMBER IN THREE INCH CIRCLE	=	4		

18 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611477

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.474

VS= 1.652

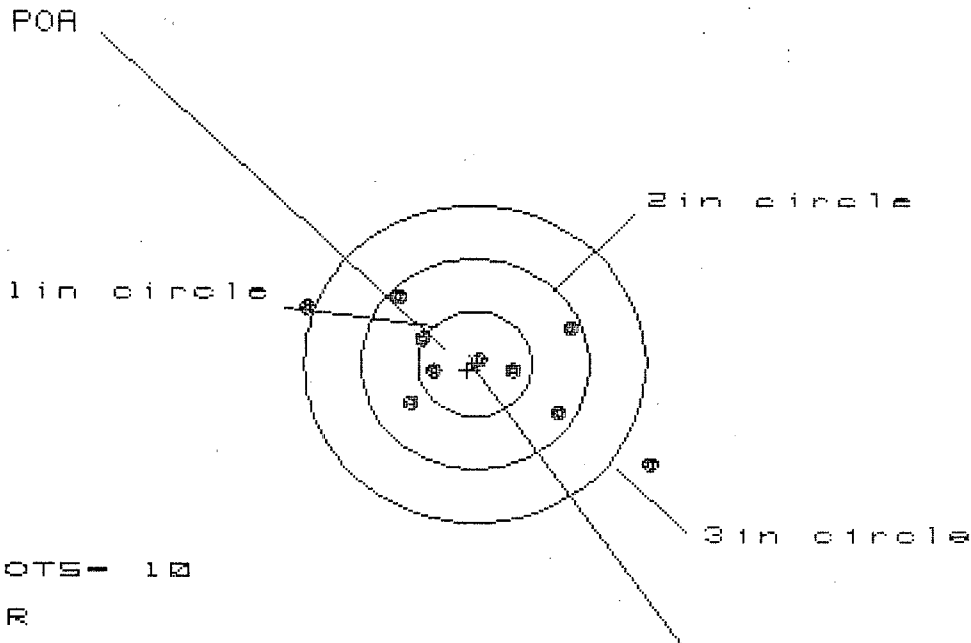
GS= 2.644

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.305	1.315	.826
MINIMUM X	:	-1.169	-1.024	-.859
MAXIMUM Y	:	.847	.757	.768
MINIMUM Y	:	-.805	-.706	-.695
CENTROID X	:	.385	.240	.075
CENTROID Y	:	-.081	.009	-.002
POA TO CENTROID in.	:	.393	.240	.075
MIN RADIUS	:	.145	.108	.036
MEAN RADIUS	:	.744	.613	.490
MAX RADIUS	:	1.534	1.318	1.128
HORIZONTAL SPREAD	:	2.474	2.339	1.685
VERTICAL SPREAD	:	1.652	1.463	1.463
EXTREME SPREAD	:	2.644	2.339	1.832
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

10 May 1931

FILE:/PATTERNING/CENTERFIRE_PATT/C6611477

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 8

3 in - 8

HS- 2.967

VS= 1.573

GS= 3.303

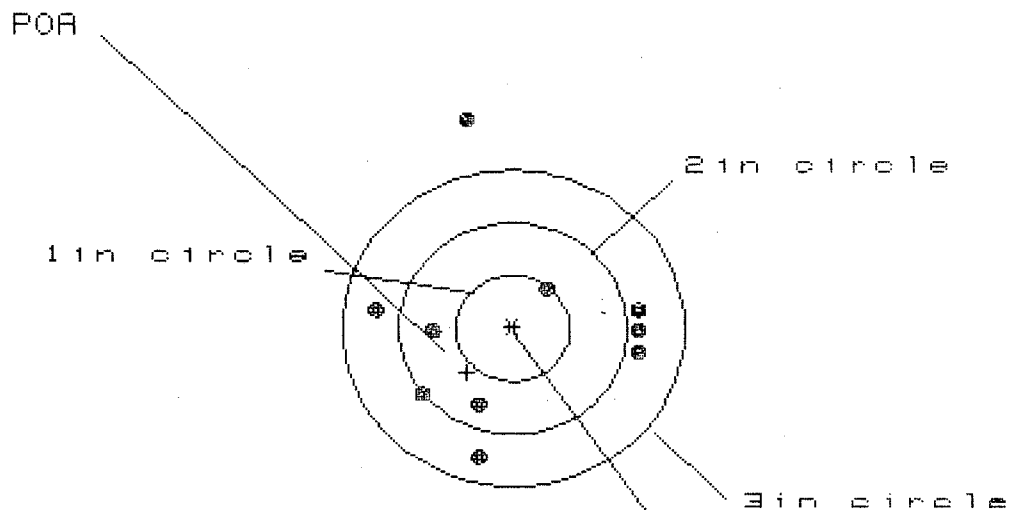
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.540	1.036	.879
MINIMUM X	:	-1.427	-1.256	-.670
MAXIMUM Y	:	.641	.537	.589
MINIMUM Y	:	-.932	-.577	-.525
CENTROID X	:	.066	-.105	.052
CENTROID Y	:	.059	.163	.111
POA TO CENTROID in.	:	.089	.194	.122
MIN RADIUS	:	.022	.192	.034
MEAN RADIUS	:	.795	.674	.578
MAX RADIUS	:	1.800	1.323	.940
HORIZONTAL SPREAD	:	2.967	2.292	1.549
VERTICAL SPREAD	:	1.573	1.114	1.114
EXTREME SPREAD	:	3.303	2.357	1.785
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

18 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611477

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in - 1

2in - 3

3in = 9

HS- 2.342

VS= 3.214

GS= 3.216

CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.143	1.098	1.057
MINIMUM X	:	-1.199	-1.244	-1.285
MAXIMUM Y	:	1.971	.595	.467
MINIMUM Y	:	-1.243	-1.024	-.587
CENTROID X	:	.403	.448	.489
CENTROID Y	:	.418	.199	.327
POA TO CENTROID in.	:	.581	.490	.588
MIN RADIUS	:	.491	.587	.521
MEAN RADIUS	:	1.085	.964	.942
MAX RADIUS	:	2.011	1.309	1.314
HORIZONTAL SPREAD	:	2.342	2.342	2.342
VERTICAL SPREAD	:	3.214	1.619	1.054
EXTREME SPREAD	:	3.216	2.373	2.373
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

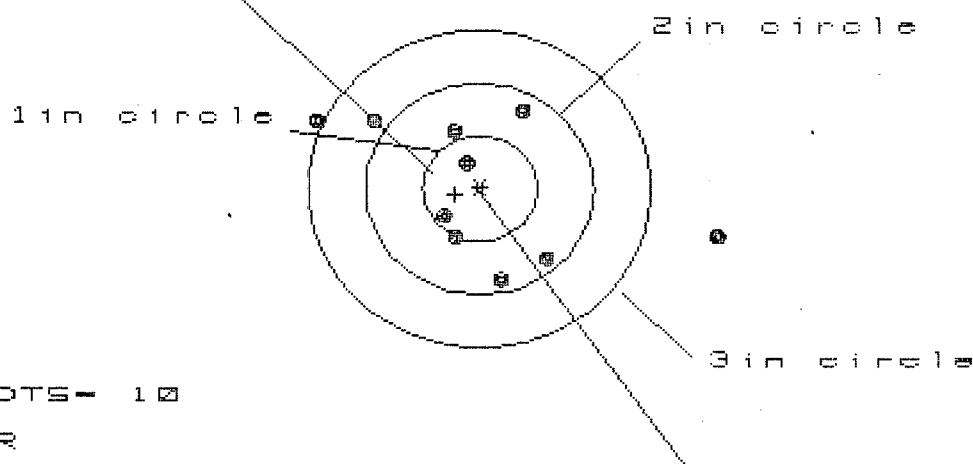
10 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8511477

CENTERFIRE PATTERNS

5

POA



OF SHOTS- 10

IN CIR

1in - 2

2in - 7

3in = 8

HS- 3.467

VS= 1.620

GS= 3.624

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.036	.860	.709
MINIMUM X	-1.431	-1.204	-.820
MAXIMUM Y	.722	.675	.748
MINIMUM Y	-.898	-.945	-.872
CENTROID X	.215	-.011	.140
CENTROID Y	.057	.104	.031
POA TO CENTROID in.	.223	.105	.143
MIN RADIUS	.216	.217	.229
MEAN RADIUS	.918	.764	.683
MAX RADIUS	2.080	1.340	1.057
HORIZONTAL SPREAD	3.467	2.064	1.529
VERTICAL SPREAD	1.620	1.620	1.620
EXTREME SPREAD	3.624	2.421	1.990
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		