

CB594514

MODEL 780™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	36062		
SERIAL NUMBER	C6594514		
LOG-IN DATE	11-26-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-27-01	RTH
560 A	RE-BARREL	11/28/01	BWT
B	DRILL AND TAP	11/28/01	BWT
575	ASSEMBLE	11-28-01	RTH
600	PROOF	11-28-01	AC
605	CHECK HEADSPACE	11-29-01	RTH
610	DIS-ASSEMBLE GUN	11-29-01	RTH
612	MAGNAFLUX	11-29-01	AC
615	ROLLMARK CALIBER	11-29-01	RTH
618	ROTO-BLAST	11-30-01	DA
620	APPLY COATINGS	11/30/01	HP
625 A	FINAL ASSEMBLY	12-4-01	RTH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-4-01	AC
655	FINAL INSPECT	12-5-01	RTH
660	PACK	12-5-01	DA
		SHIP DATE	
	QAR INSPECTION DATE		

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: RE00036062		Serial: C6594514 Model 700 Center Fire Caliber: 7 62 NATO SWS M24 WOGS 6 of 6		Repairman:															
Verify Repair High Priority				Status:		New 11/26/01 12:28:42 PM													
Address Information																			
Customer:		☒ Received From		Return To:		☐ Received From													
Name: CDRA CO 1ST BN 3RD SFG A				CDRA CO 1ST BN 3RD SFG A															
Address 1: BLDG E1646				BLDG E1646															
Address 2:		PO Box:				PO Box:													
City: FORT BRAGG				FORT 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		Received Condition		Accessories Received															
Phone: 910 432 2369 8084		Fair		<table border="1"><thead><tr><th>Code</th><th>Desc</th><th>Qty</th></tr></thead><tbody><tr><td>A007</td><td>With Studs</td><td>3</td></tr><tr><td>A010</td><td>Hard Case(WOG)</td><td>1</td></tr><tr><td>A017</td><td>Scope Base</td><td>1</td></tr></tbody></table>				Code	Desc	Qty	A007	With Studs	3	A010	Hard Case(WOG)	1	A017	Scope Base	1
Code	Desc	Qty																	
A007	With Studs	3																	
A010	Hard Case(WOG)	1																	
A017	Scope Base	1																	
Fax:		Condition Notes:																	
Email:		CSR Notes:																	
Comments:																			
Repair Search				Refresh		Close													
nagletj 11/26/01 1:28 PM CAPS NUM INS SCRL																			
Start Inb... Ar... Th... Par... Sc... Cal... Isra... 1:28 PM																			

C6594514

Model: 700



RE00036062

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594514.__0
FILE DATE AND TIME: 12/04/2001 03:54

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

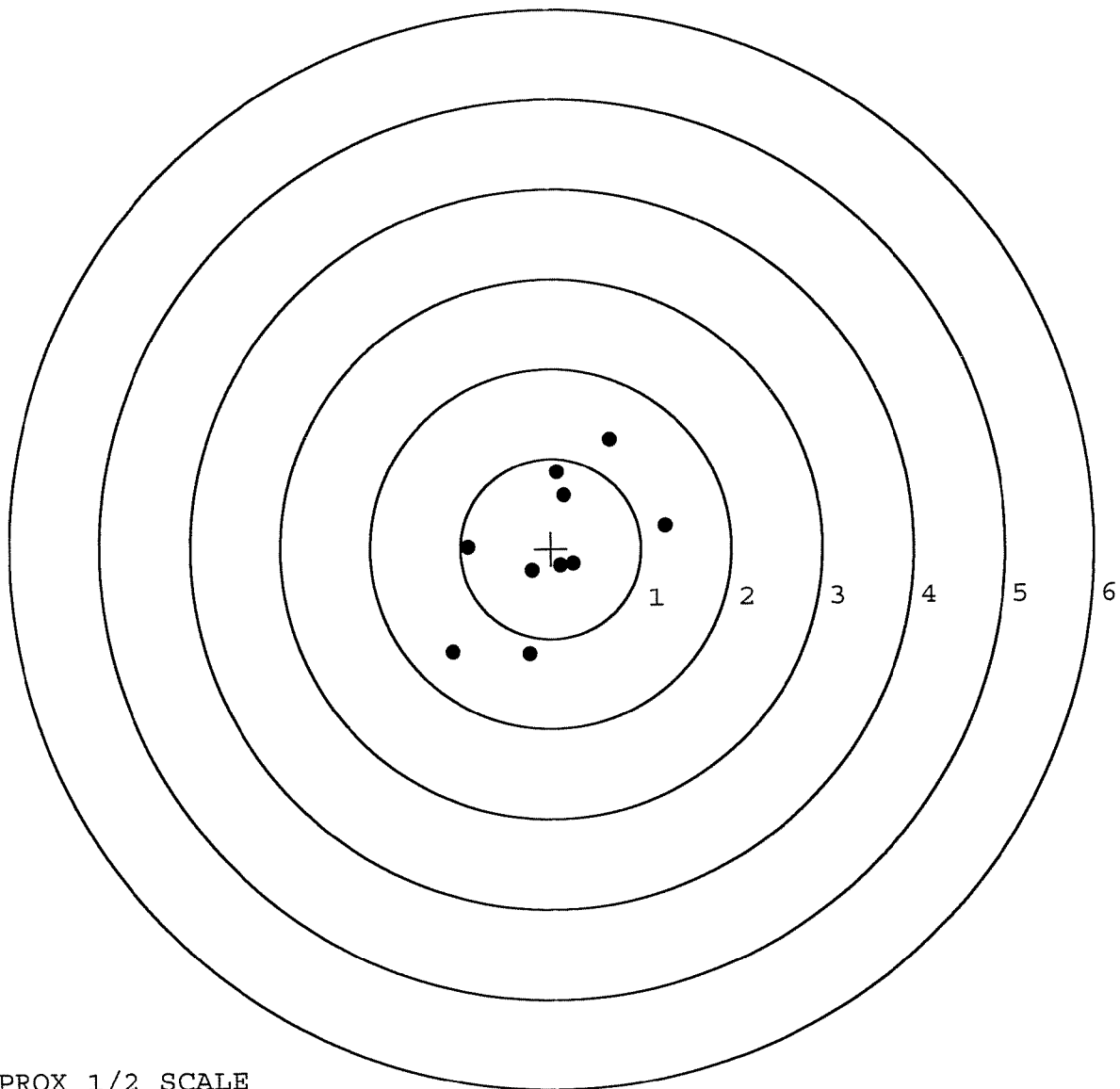
The Average X Centroid of the Five Target Set:	-0.031
The Average Y Centroid of the Five Target Set:	0.021
The Average Point of Impact of the Five Target Set:	0.038
The Average Mean Radius of the Five Target Set:	<u>1.106</u>
The Distance from POA to Centroid Target #1:	0.003
The Distance from Centroid Target #2 to Centroid Target #1:	0.028
The Distance from Centroid Target #3 to Centroid Target #1:	0.090
The Distance from Centroid Target #4 to Centroid Target #1:	0.174
The Distance from Centroid Target #5 to Centroid Target #1:	0.093

BARBER - M24 0018404

SERIAL NUMBER: C0594514. __0
TARGET NUMBER: 1
FILE DATE: 12/04/2001
FILE TIME: 03:54

X CENTROID: 0.003
Y CENTROID: 0.001
POA TO CENTROID: 0.003
HORZ SPREAD: 2.368
VERT SPREAD: 2.385
GROUP SPREAD: 2.942
MIN RADIUS: 0.214
MAX RADIUS: 1.587
MEAN RADIUS: 0.867
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.665	1.213
2:	1.269	0.246
3:	0.151	0.592
4:	0.073	0.849
5:	-0.914	0.022
6:	-0.215	-0.240
7:	0.103	-0.189
8:	0.248	-0.173
9:	-0.249	-1.172
10:	-1.099	-1.141



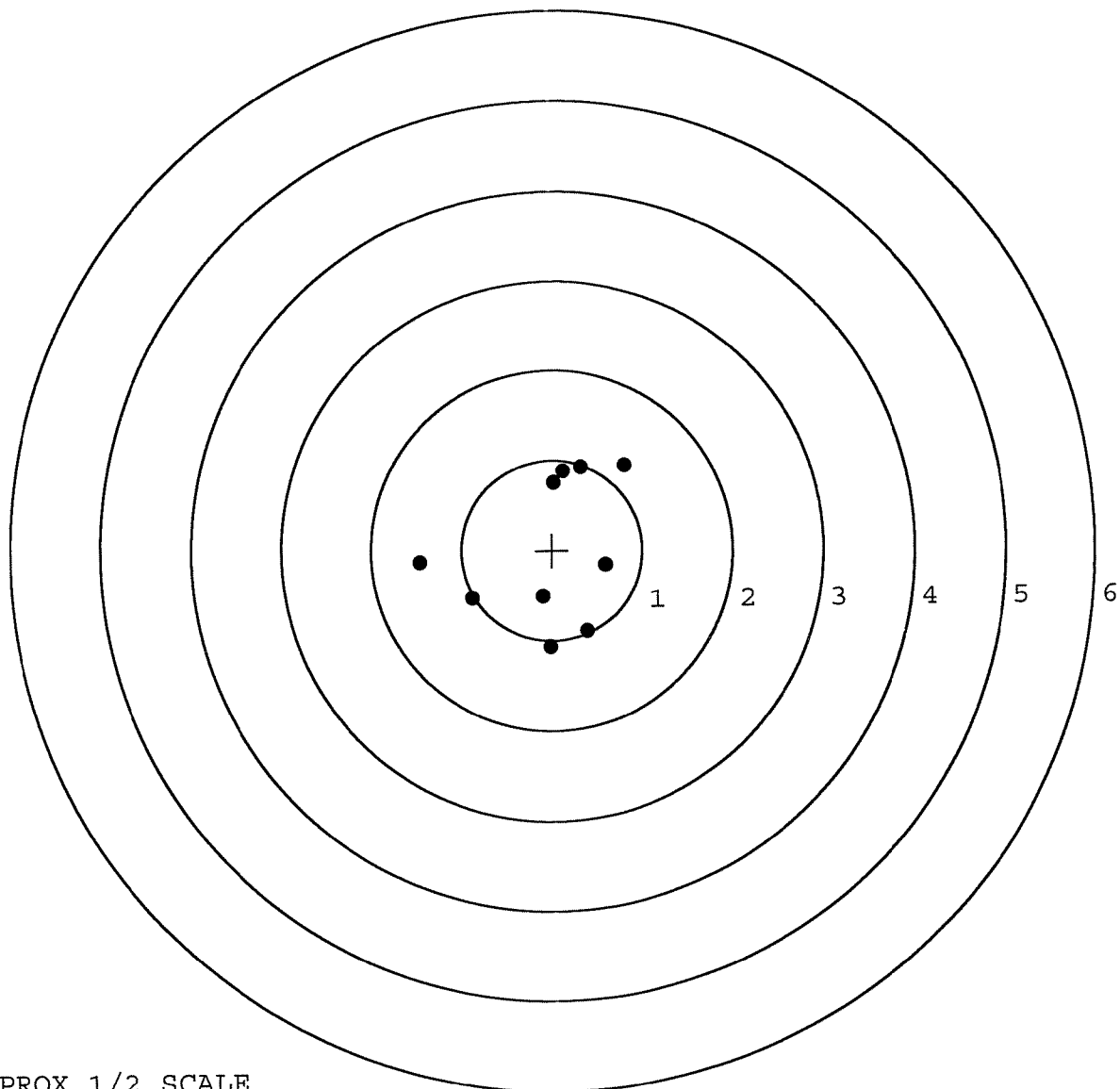
TARGET APPROX 1/2 SCALE

BARBER - M24 0018405

SERIAL NUMBER: C6594514. __0
 TARGET NUMBER: 2
 FILE DATE: 12/04/2001
 FILE TIME: 03:54

POINT#	X	Y
1:	0.812	0.940
2:	0.330	0.917
3:	0.023	0.751
4:	-1.466	-0.129
5:	-0.882	-0.528
6:	-0.108	-0.514
7:	0.594	-0.172
8:	0.391	-0.900
9:	-0.028	-1.076
10:	0.131	0.874

X CENTROID: -0.020
 Y CENTROID: 0.016
 POA TO CENTROID: 0.026
 HORZ SPREAD: 2.278
 VERT SPREAD: 2.016
 GROUP SPREAD: 2.516
 MIN RADIUS: 0.538
 MAX RADIUS: 1.453
 MEAN RADIUS: 0.957
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 10



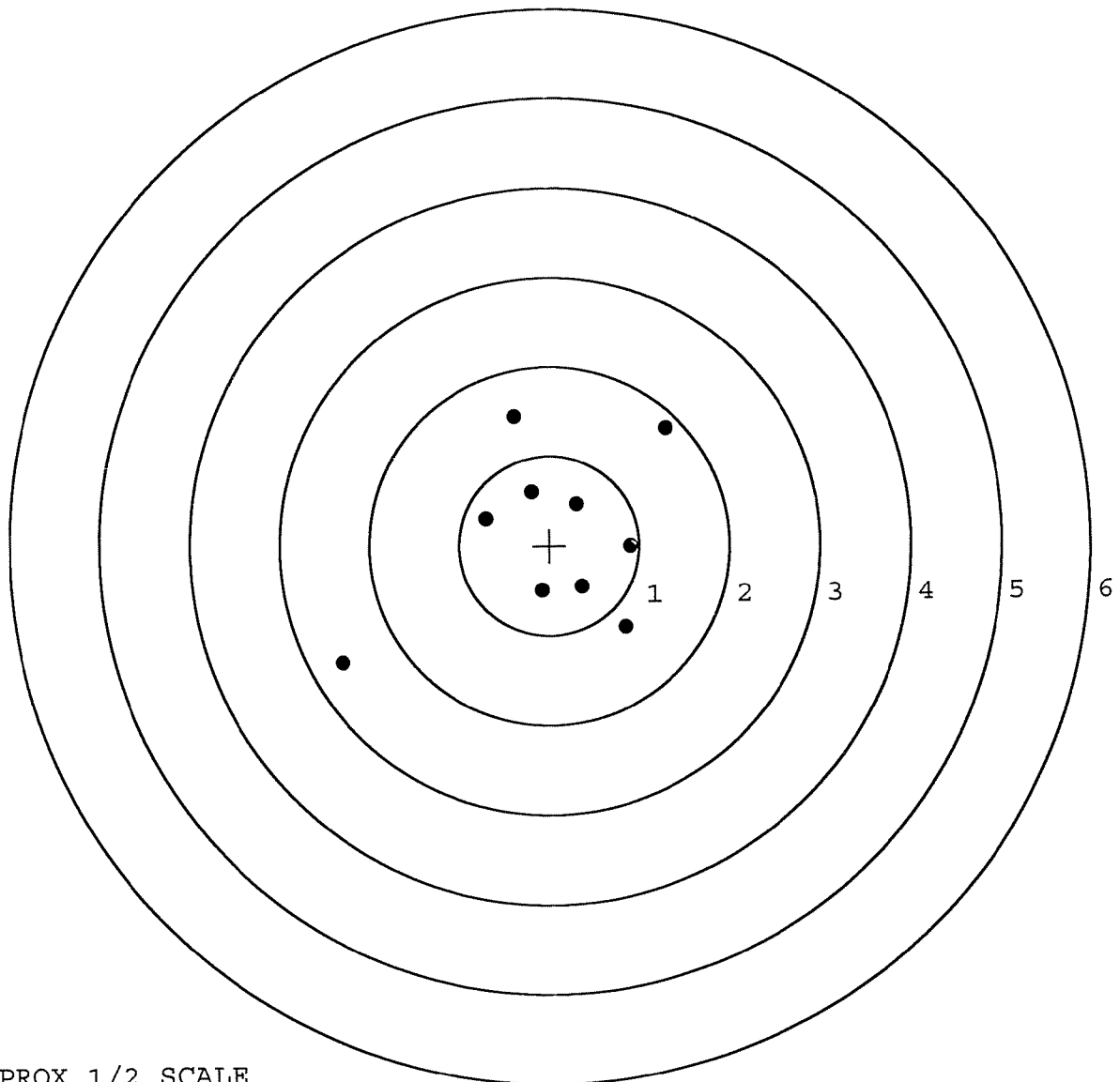
TARGET APPROX 1/2 SCALE

BARBER - M24 0018406

SERIAL NUMBER: C6594514. __0
 TARGET NUMBER: 3
 FILE DATE: 12/04/2001
 FILE TIME: 03:54

POINT#	X	Y
1:	1.304	1.294
2:	-0.382	1.446
3:	0.313	0.459
4:	-0.198	0.597
5:	-0.703	0.305
6:	-0.091	-0.502
7:	0.364	-0.464
8:	0.844	-0.918
9:	0.902	-0.020
10:	-2.309	-1.293

X CENTROID: 0.004
 Y CENTROID: 0.090
 POA TO CENTROID: 0.091
 HORZ SPREAD: 3.613
 VERT SPREAD: 2.739
 GROUP SPREAD: 4.444
 MIN RADIUS: 0.481
 MAX RADIUS: 2.695
 MEAN RADIUS: 1.112
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8



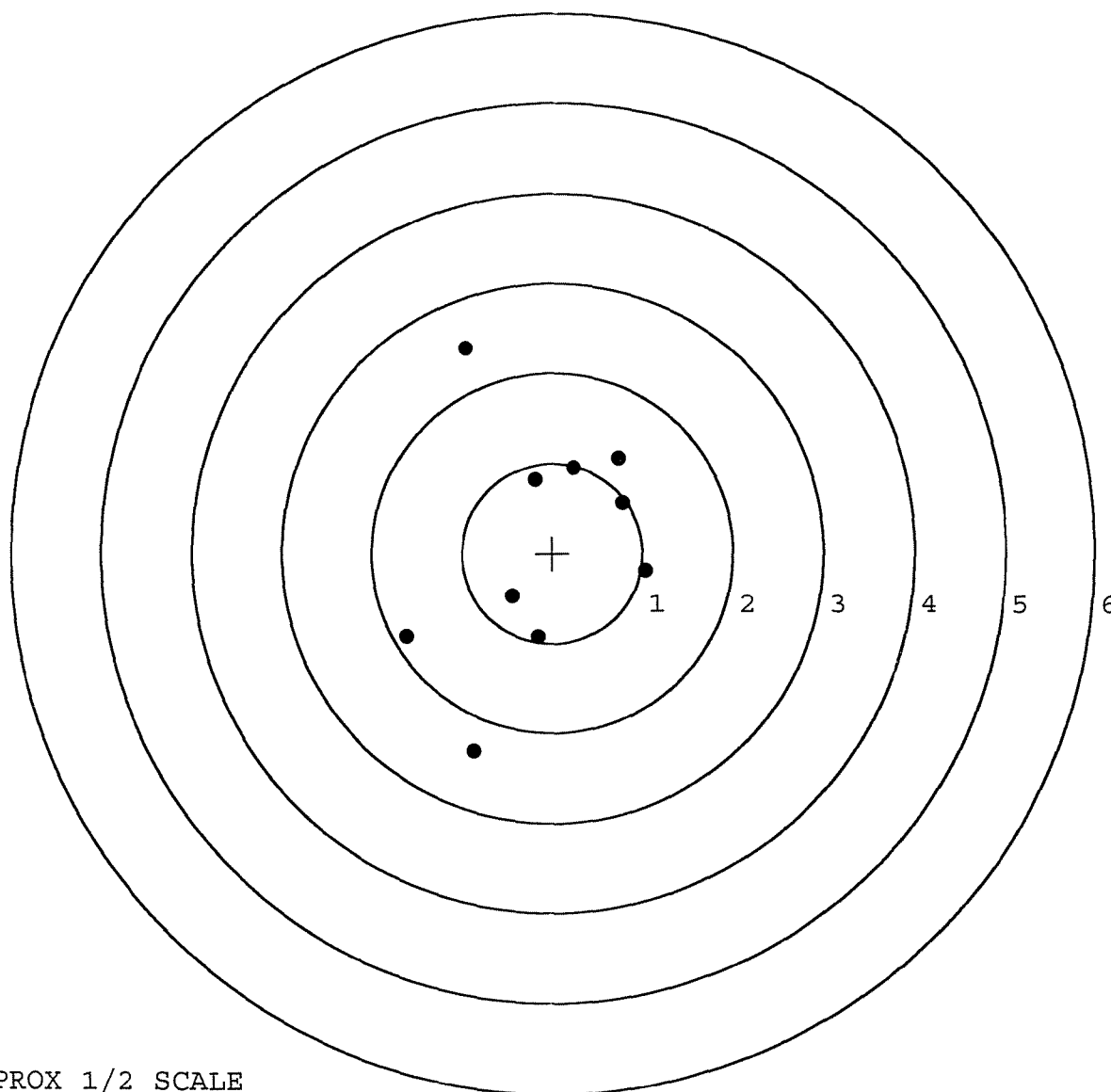
TARGET APPROX 1/2 SCALE

BARBER - M24 0018407

SERIAL NUMBER: ~~C6~~594514. __0
 TARGET NUMBER: 4
 FILE DATE: 12/04/2001
 FILE TIME: 03:54

X CENTROID: -0.147
 Y CENTROID: 0.089
 POA TO CENTROID: 0.172
 HORZ SPREAD: 2.643
 VERT SPREAD: 4.480
 GROUP SPREAD: 4.481
 MIN RADIUS: 0.644
 MAX RADIUS: 2.411
 MEAN RADIUS: 1.342
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 3
 # in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-0.974	2.265
2:	0.729	1.056
3:	0.227	0.947
4:	-0.195	0.817
5:	0.778	0.564
6:	1.034	-0.191
7:	-0.158	-0.938
8:	-0.443	-0.483
9:	-1.609	-0.937
10:	-0.859	-2.215



TARGET APPROX 1/2 SCALE

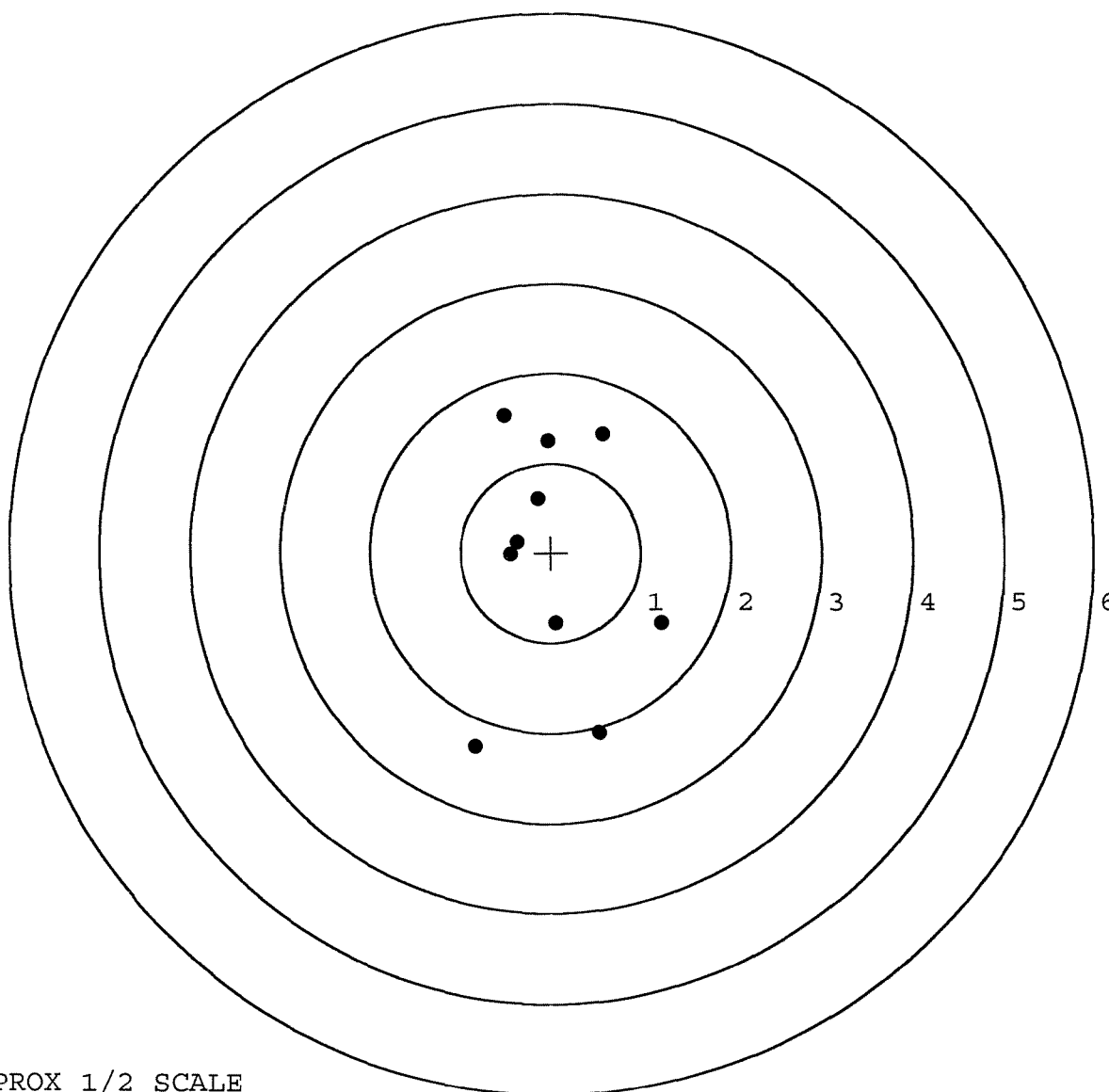
BARBER - M24 0018408

SERIAL NUMBER: C6594514. __0
 TARGET NUMBER: 5
 FILE DATE: 12/04/2001
 FILE TIME: 03:54

X CENTROID: 0.004
 Y CENTROID: -0.092
 POA TO CENTROID: 0.092
 HORZ SPREAD: 2.057
 VERT SPREAD: 3.678
 GROUP SPREAD: 3.753
 MIN RADIUS: 0.437
 MAX RADIUS: 2.221
 MEAN RADIUS: 1.250

IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 6

POINT#	X	Y
1:	0.576	1.330
2:	-0.035	1.252
3:	-0.526	1.528
4:	-0.148	0.605
5:	-0.450	-0.021
6:	0.056	-0.788
7:	-0.830	-2.150
8:	0.546	-2.000
9:	1.227	-0.792
10:	-0.380	0.117



TARGET APPROX 1/2 SCALE

Remington[®]

MODEL 700TM H24

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

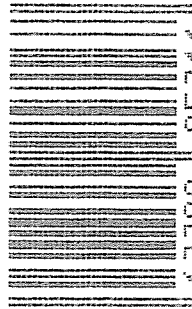
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO.
C6594514

ORDER NO.
5716

UPC



0 47700 25716 2



5716 C6594514

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6594514

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	JS
617	Drill and Tap Sight Holes	1 10 91		FB
618	Polish Barrel	1 10 91		WB
620	Apply Coatings (Barrel Action)		1-18-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/19/91	RW
	C) Inspect Ejector Hole for Chamfer		1/19/91	RW
	D) Oil Firing Pin Ass'y		1/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/29/91	JS

BARBER - M24 0018411

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			1/30/91	WLB
	G) Safety Off Force	2	2	2			1/30/91	WLB
	H) Trigger Pull Test & Retainability						1/24/91	JH
	I) Firing Pin Indent	.022	.022	.022			1/30/91	WLB
	J) Assemble Stock						1/30/91	RW
	K) Assemble Swivel Studs						2-6-91	DH
	L) Attach Front and Rear Sight Assemblies						1/30/91	RW
	M) Iron Sight Alignment						1/30/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/30/91	RW
	O) Attach Scope to Rifle						1/30/91	RW
	P) Detach & Attach Scope 20 Times						1/30/91	RW
640	Gallery Target & Test						1/30/91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						1/30/91	NF
655	Final Inspection							
	A) Headspace						2-5-91	DH
	B) Trigger Pull	2.53	2.45	2.43	2.39	2.41	2.49	JH
	C) Function						2-5-91	DH
660	Pack						1-29-91	JH

3/13/91 WLB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6594514

DATE 1-29-91

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.43	2.18	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.44	2.30	2.45	
PULL #3	2.44	2.36	2.25	2.43	
PULL #4	2.27	2.44	2.12	2.39	
PULL #5	2.34	2.36	2.21	2.41	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.27		
PULL #2	3.44	3.46		
PULL #3	3.50	3.34		
PULL #4	3.49	3.26		
PULL #5	3.38	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	4.33	4.29		4.32
PULL #2	4.27	4.24		4.27
PULL #3	4.17	4.21		4.28
PULL #4	4.20	4.22		4.32
PULL #5	4.25	4.20		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594514
31 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.210488
1 TO	2	.342006
1 TO	3	.156083
1 TO	4	.307729
1 TO	5	.327771

←---POA

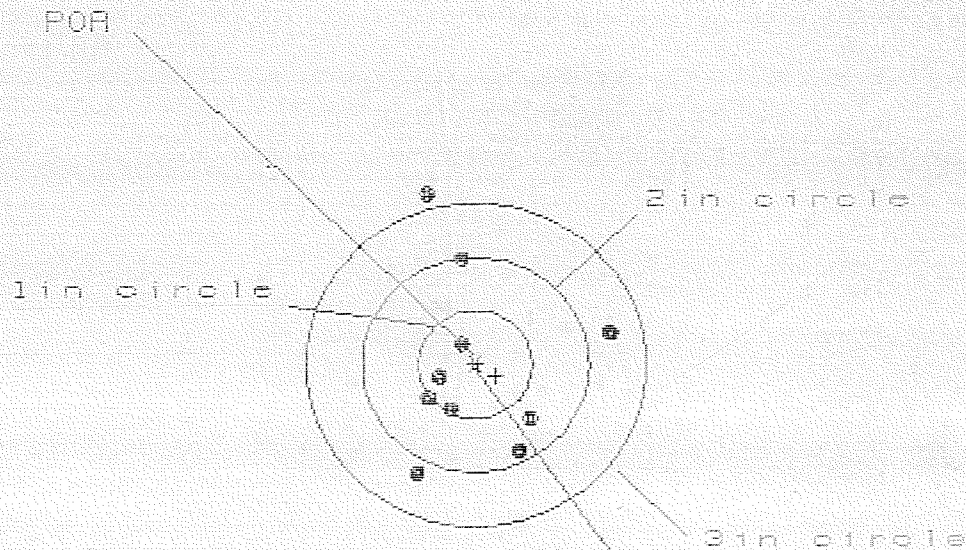
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .03
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .122
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .125634
THE AMR FOR THIS RIFLE IS: .9216

31 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08594514

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 5

3 in = 9

HS = 1.702

VS = 2.511

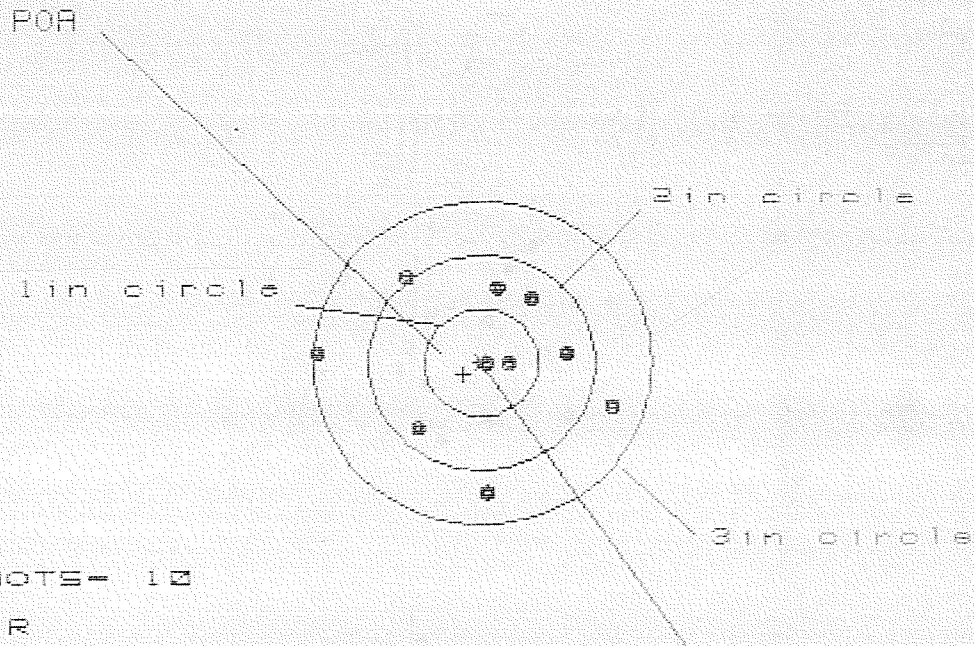
GS = 2.512

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.165	1.114	.547
MINIMUM X	:	-.537	-.588	-.449
MAXIMUM Y	:	1.556	1.186	1.246
MINIMUM Y	:	-.955	-.783	-.723
CENTROID X	:	-.183	-.132	-.271
CENTROID Y	:	.104	-.068	-.128
POA TO CENTROID in.	:	.210	.148	.299
MIN RADIUS	:	.229	.319	.190
MEAN RADIUS	:	.796	.683	.578
MAX RADIUS	:	1.622	1.210	1.246
HORIZONTAL SPREAD	:	1.702	1.702	.996
VERTICAL SPREAD	:	2.511	1.969	1.969
EXTREME SPREAD	:	2.512	2.115	2.024
NUMBER IN ONE INCH CIRCLE =	:	4		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	9		

31 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594514

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 2.574

VS = 1.937

GS = 2.635

CENTROID *

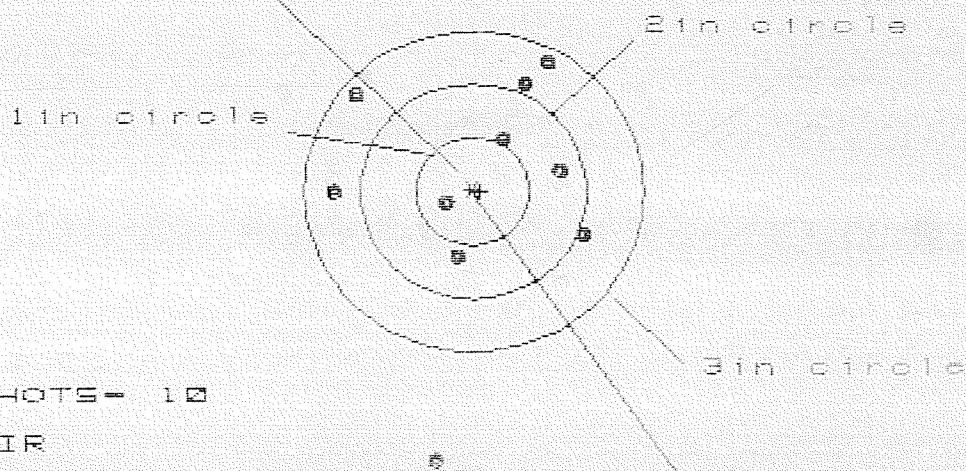
PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.123	.961	.669
MINIMUM X	:	-1.451	-.859	-.739
MAXIMUM Y	:	.777	.791	.736
MINIMUM Y	:	-1.160	-1.146	-1.201
CENTROID X	:	.159	.321	.200
CENTROID Y	:	.106	.092	.147
POA TO CENTROID in.	:	.191	.334	.248
MIN RADIUS	:	.031	.098	.042
MEAN RADIUS	:	.814	.721	.675
MAX RADIUS	:	1.456	1.167	1.201
HORIZONTAL SPREAD	:	2.574	1.820	1.400
VERTICAL SPREAD	:	1.937	1.937	1.937
EXTREME SPREAD	:	2.635	2.193	2.063
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

31 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594514

CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.247

VS = 3.710

GS = 3.846

CENTROID #

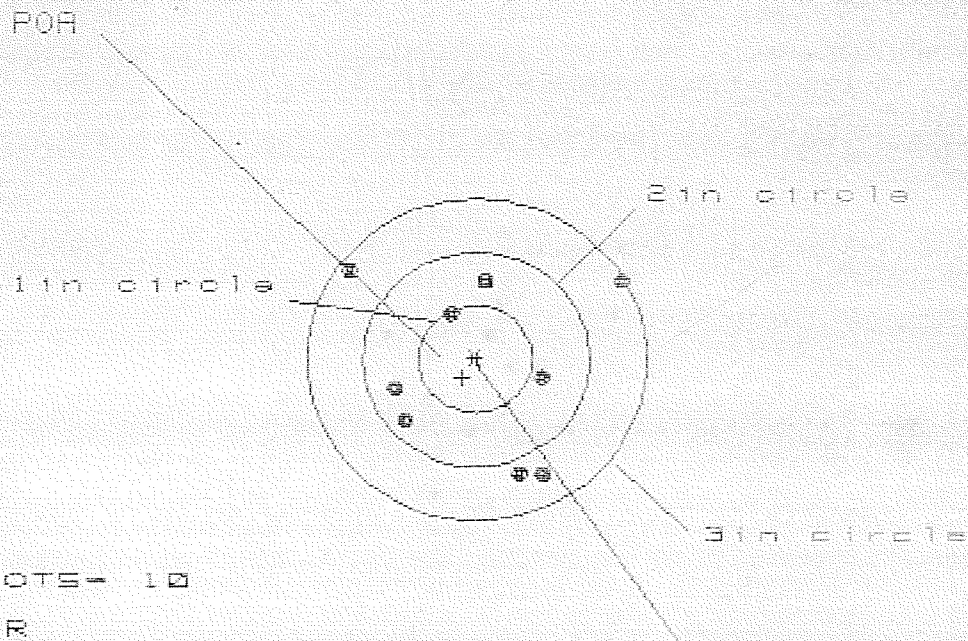
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.007	.966	.827
MINIMUM X	:	-1.240	-1.281	-1.420
MAXIMUM Y	:	1.178	.897	.968
MINIMUM Y	:	-2.532	-.875	-.804
CENTROID X	:	-.064	-.023	.116
CENTROID Y	:	.003	.284	.213
POA TO CENTROID in.	:	.064	.285	.243
MIN RADIUS	:	.279	.277	.263
MEAN RADIUS	:	1.090	.894	.830
MAX RADIUS	:	2.558	1.323	1.443
HORIZONTAL SPREAD	:	2.247	2.247	2.247
VERTICAL SPREAD	:	3.710	1.772	1.772
EXTREME SPREAD	:	3.846	2.443	2.279
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	4		
NUMBER IN THREE INCH CIRCLE =	:	9		

31 Jan 1981

FILE:/PATTERNING/CENTERFIRE_PATT/06594514

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.343

VS= 1.950

GS= 2.594

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.252	.758	.639
MINIMUM X	-1.091	-.952	-.685
MAXIMUM Y	.855	.934	.948
MINIMUM Y	-1.095	-1.016	-.900
CENTROID X	.118	-.021	.098
CENTROID Y	.168	.089	-.027
POA TO CENTROID in.	.205	.092	.101
MIN RADIUS	.480	.525	.568
MEAN RADIUS	.917	.850	.793
MAX RADIUS	1.439	1.333	1.104
HORIZONTAL SPREAD	2.343	1.710	1.324
VERTICAL SPREAD	1.950	1.950	1.840
EXTREME SPREAD	2.594	2.594	1.909
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

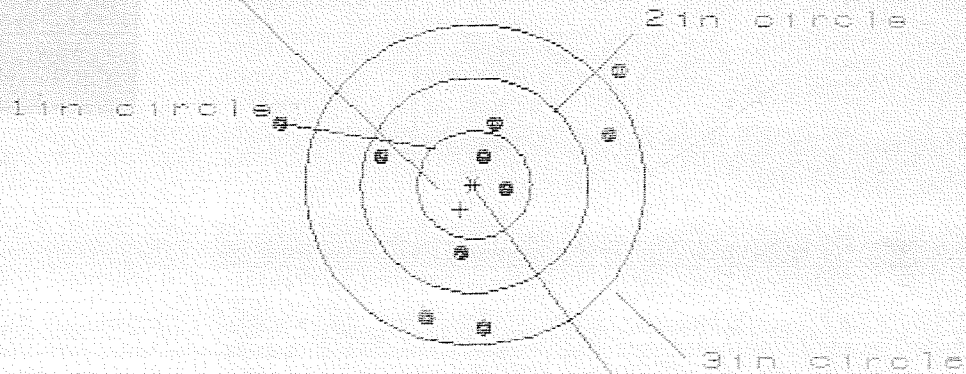
31 Jan 1991

FILE: /PATTERNING/CENTERFIRE_PATT/06594514

CENTERFIRE PATTERNS

5

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.951

VS= 2.368

GS= 2.997

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.264	1.076	1.113
MINIMUM X	:	-1.687	-1.010	-0.875
MAXIMUM Y	:	1.046	1.104	.753
MINIMUM Y	:	-1.322	-1.264	-1.126
CENTROID X	:	.120	.308	.173
CENTROID Y	:	.229	.171	.033
POA TO CENTROID in.	:	.259	.352	.176
MIN RADIUS	:	.242	.049	.233
MEAN RADIUS	:	.991	.883	.812
MAX RADIUS	:	1.767	1.542	1.318
HORIZONTAL SPREAD	:	2.951	2.086	1.988
VERTICAL SPREAD	:	2.368	2.368	1.879
EXTREME SPREAD	:	2.997	2.831	2.357
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		