

BARBER - M24 0152993

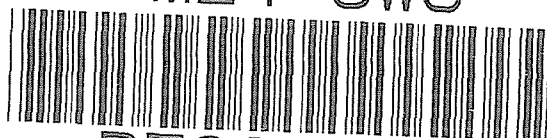
G 646 1559
Replaced
C: 622 528E

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: RE00092202		Serial: CB225236 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 03/21/1985		Repairman:																				
Verify Repair:				Status:		Closed 2/1/2005 7:07:46 AM																		
Address Information																								
Customer: ☐ Received From:				Return To: ☐ Received From:																				
Name: DEF DIST DEPOT ANNISTON				DEF DIST DEPOT ANNISTON																				
Address 1:																								
Address 2: PO Box:				PO Box:																				
City: ANNISTON				ANNISTON																				
State: AL Zip Code: 362014199 Country: US				State: AL Zip Code: 362014199 Country: US																				
FFL: ☐ ☐ ☐ ☐ ☐ ☐																								
Contact / Condition		Problems		Estimate		History / Status		Shipping / Billing																
Contact Information		Received Condition		Accessories Received																				
Phone:		Good		<table border="1"><thead><tr><th>Code</th><th>Description</th><th>Qty</th></tr></thead><tbody><tr><td>A007</td><td>With Stud</td><td>3</td></tr><tr><td>A017</td><td>Scope Base</td><td>1</td></tr><tr><td>A026</td><td>Scope</td><td>1</td></tr><tr><td>A057</td><td>Frt and Rear Sgt Base</td><td>1</td></tr></tbody></table>						Code	Description	Qty	A007	With Stud	3	A017	Scope Base	1	A026	Scope	1	A057	Frt and Rear Sgt Base	1
Code	Description	Qty																						
A007	With Stud	3																						
A017	Scope Base	1																						
A026	Scope	1																						
A057	Frt and Rear Sgt Base	1																						
Fax:		Condition Notes:																						
Email:		CSR Notes:																						
Comments:																								
Repair Search				Refresh		Close																		
nagletj		2/7/2005		11:06 AM		CAPS		NUM																
start		3		Arms Services R		3		CM																

G 646 1559 (Var)

Serial Number: C6225286

Model: M24 SWS



RE00092202

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461559.___0

FILE DATE AND TIME: 08/09/2005 11:21

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.070
The Average Y Centroid of the Five Target Set:	-0.019
The Average Point of Impact of the Five Target Set:	0.073
The Average Mean Radius of the Five Target Set:	1.061
The Distance from POA to Centroid Target #1:	0.324
The Distance from Centroid Target #2 to Centroid Target #1:	0.567
The Distance from Centroid Target #3 to Centroid Target #1:	0.490
The Distance from Centroid Target #4 to Centroid Target #1:	0.388
The Distance from Centroid Target #5 to Centroid Target #1:	0.388

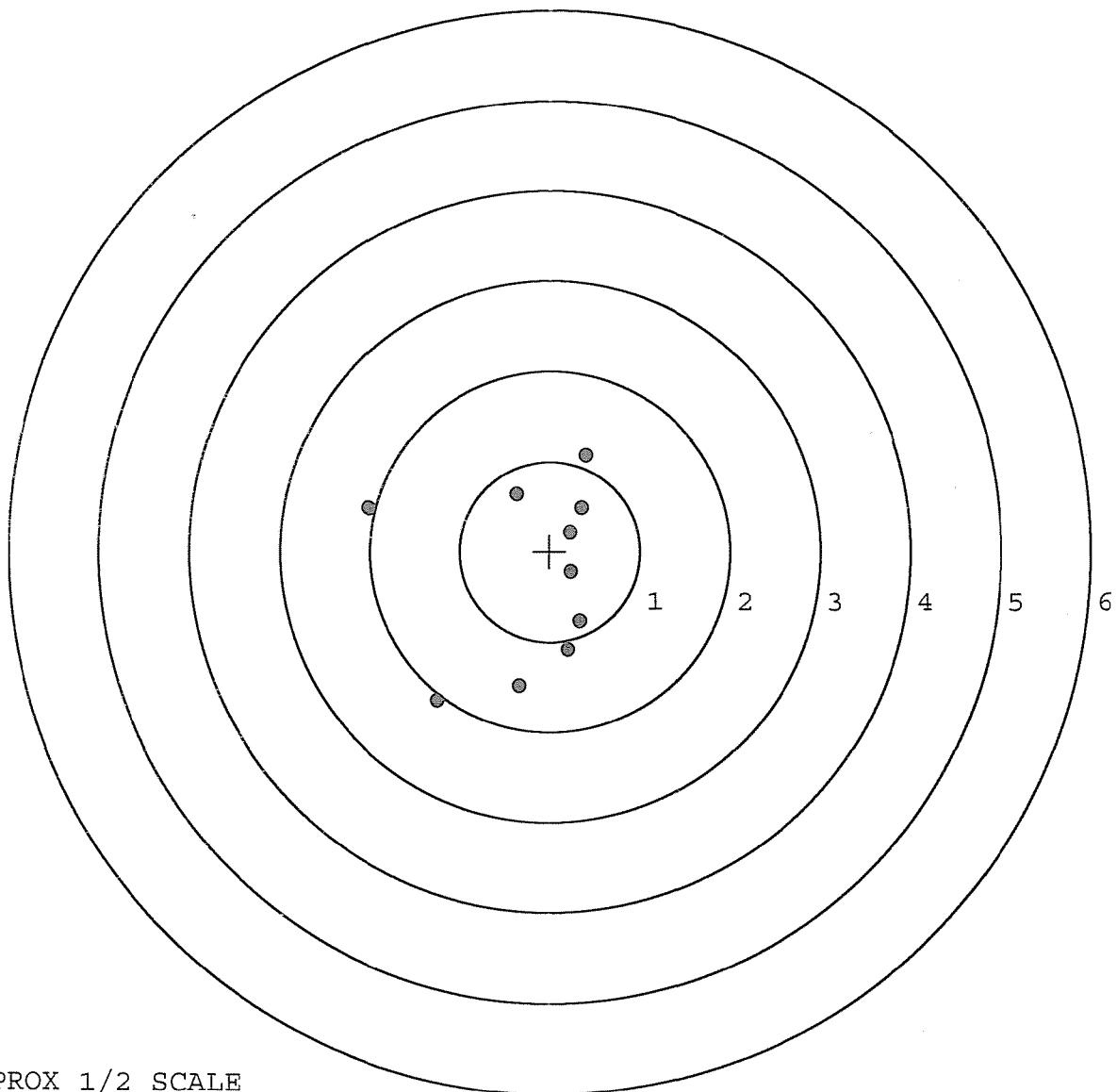
BARBER - M24 0152996

SERIAL NUMBER: G6461559. __0
TARGET NUMBER: 1
FILE DATE: 08/09/2005
FILE TIME: 11:21

X CENTROID: -0.222
Y CENTROID: -0.236
POA TO CENTROID: 0.324
HORZ SPREAD: 2.417
VERT SPREAD: 2.718
GROUP SPREAD: 2.719
MIN RADIUS: 0.456
MAX RADIUS: 1.933
MEAN RADIUS: 1.102

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.201	-1.091
2:	0.337	-0.774
3:	0.234	-0.229
4:	0.230	0.211
5:	0.360	0.481
6:	0.401	1.068
7:	-0.368	0.638
8:	-0.341	-1.492
9:	-1.257	-1.650
10:	-2.016	0.483



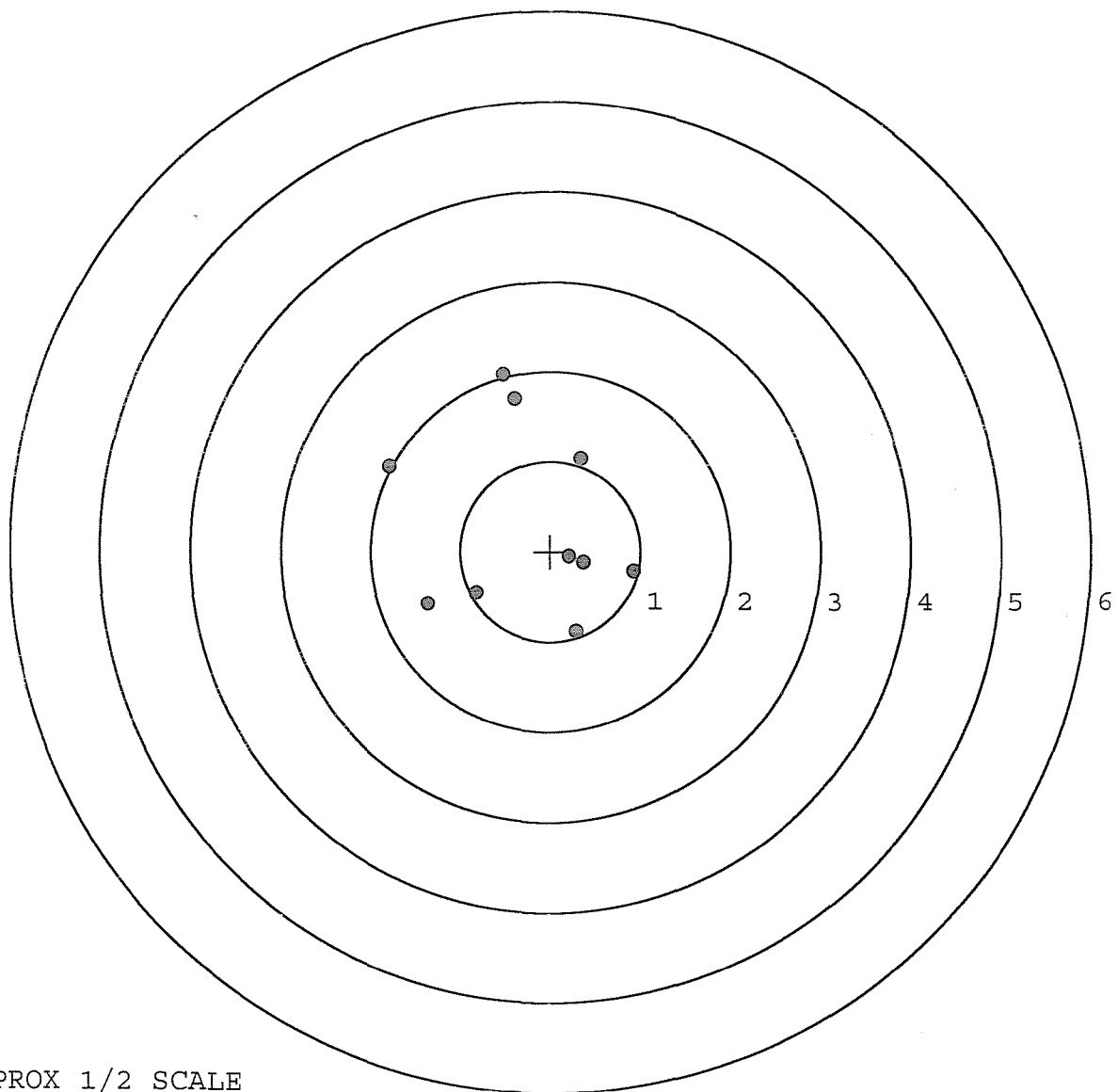
TARGET APPROX 1/2 SCALE

BARBER - M24 0152997

SERIAL NUMBER: G6461559. __0
TARGET NUMBER: 2
FILE DATE: 08/09/2005
FILE TIME: 11:21

X CENTROID: -0.278
Y CENTROID: 0.328
POA TO CENTROID: 0.430
HORZ SPREAD: 2.719
VERT SPREAD: 2.857
GROUP SPREAD: 2.973
MIN RADIUS: 0.621
MAX RADIUS: 1.655
MEAN RADIUS: 1.206
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.925	-0.223
2:	0.295	-0.892
3:	0.368	-0.124
4:	0.210	-0.055
5:	0.341	1.032
6:	-0.825	-0.466
7:	-1.366	-0.585
8:	-1.794	0.942
9:	-0.406	1.691
10:	-0.528	1.965



TARGET APPROX 1/2 SCALE

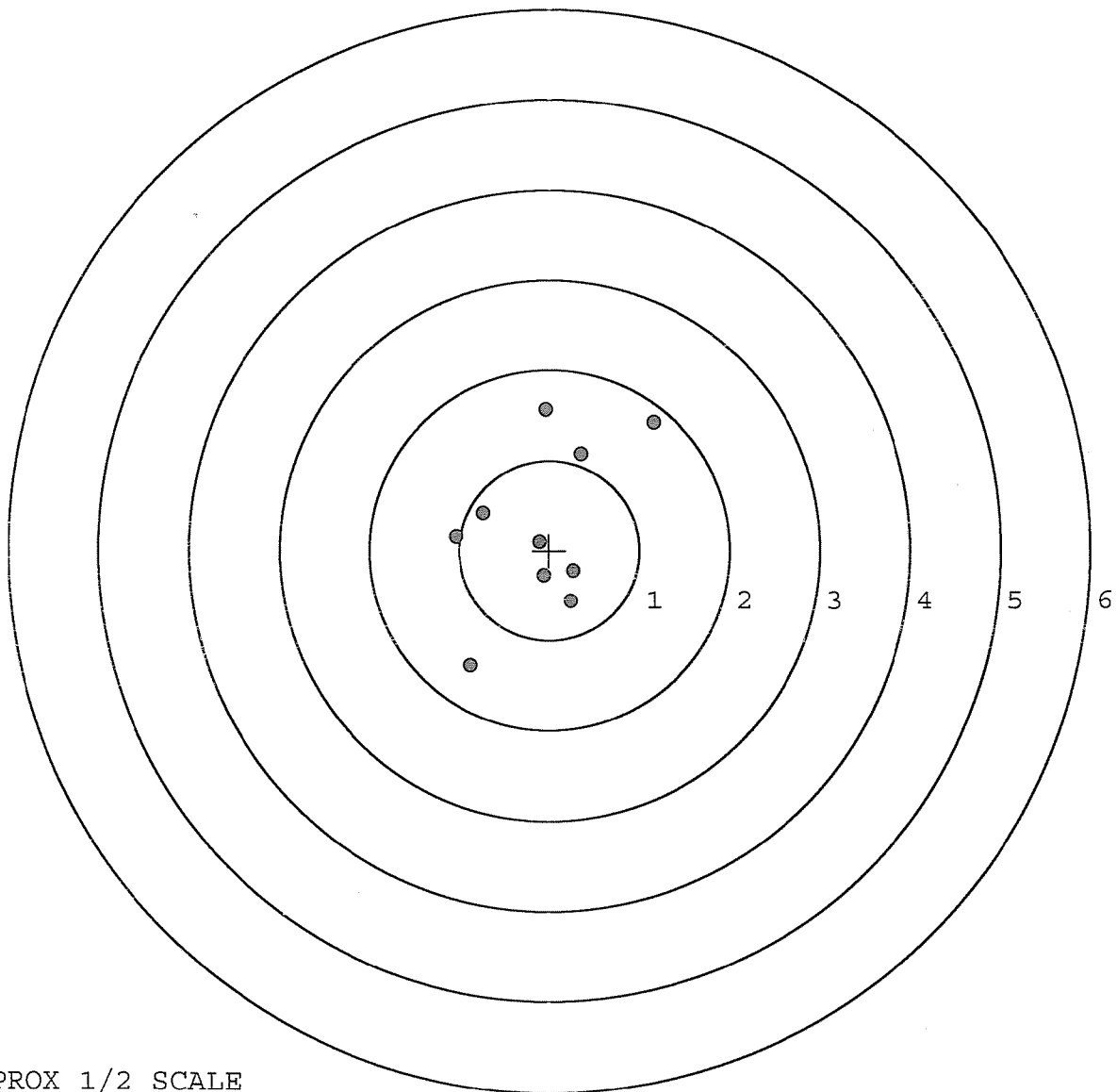
BARBER - M24 0152998

SERIAL NUMBER: G6461559. __0
TARGET NUMBER: 3
FILE DATE: 08/09/2005
FILE TIME: 11:21

X CENTROID: -0.085
Y CENTROID: 0.235
POA TO CENTROID: 0.250
HORZ SPREAD: 2.189
VERT SPREAD: 2.838
GROUP SPREAD: 3.380
MIN RADIUS: 0.141
MAX RADIUS: 1.714
MEAN RADIUS: 0.944

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.879	-1.280
2:	-0.740	0.414
3:	-1.035	0.155
4:	0.358	1.069
5:	-0.044	1.558
6:	1.154	1.420
7:	-0.108	0.096
8:	-0.066	-0.284
9:	0.269	-0.229
10:	0.244	-0.570



TARGET APPROX 1/2 SCALE

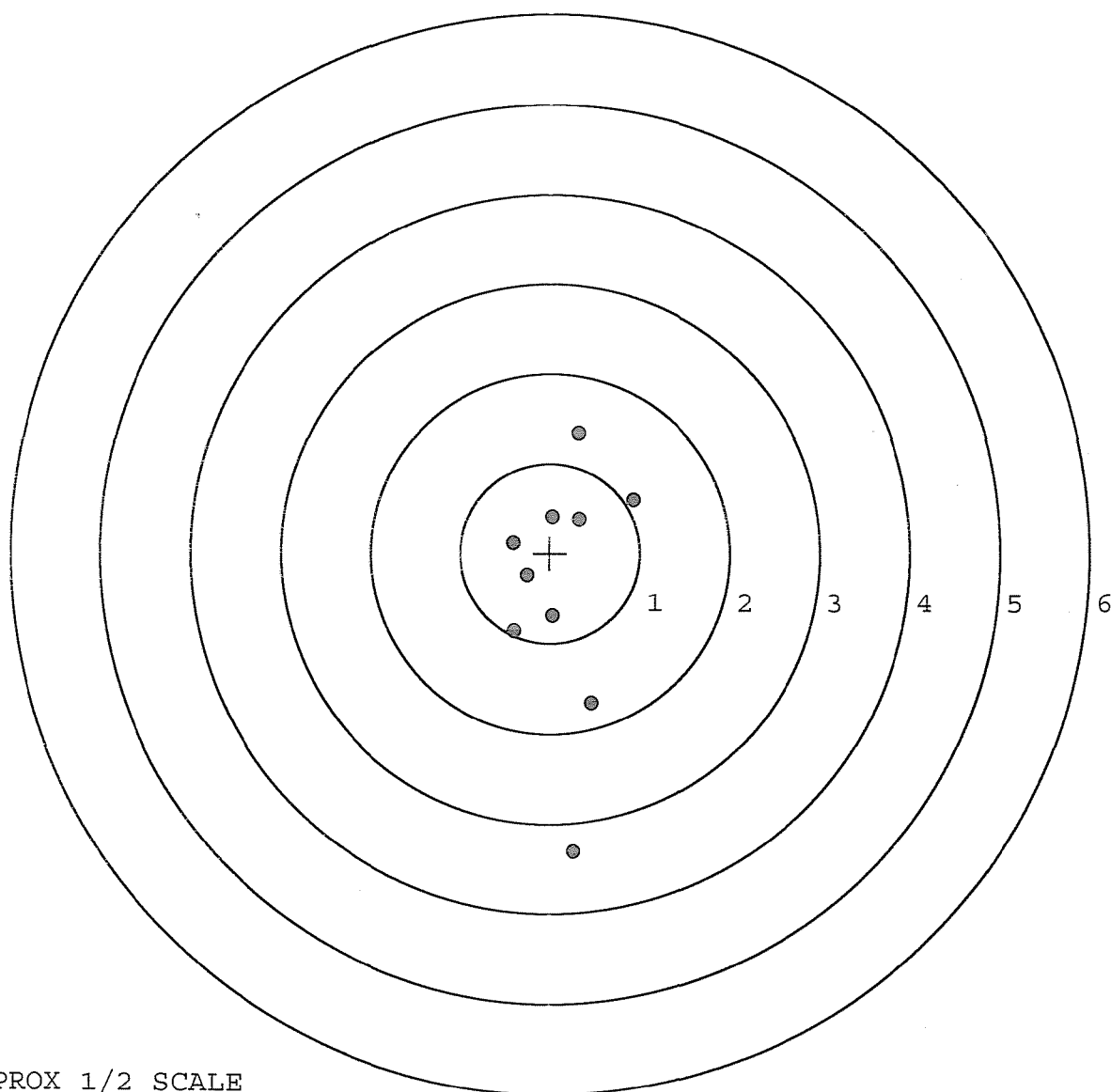
BARBER - M24 0152999

SERIAL NUMBER: G6461559. __0
TARGET NUMBER: 4
FILE DATE: 08/09/2005
FILE TIME: 11:21

X CENTROID: 0.130
Y CENTROID: -0.398
POA TO CENTROID: 0.419
HORZ SPREAD: 1.345
VERT SPREAD: 4.659
GROUP SPREAD: 4.659
MIN RADIUS: 0.323
MAX RADIUS: 2.924
MEAN RADIUS: 1.106

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.273	-3.319
2:	0.465	-1.662
3:	0.027	-0.704
4:	-0.406	-0.869
5:	-0.258	-0.251
6:	-0.412	0.118
7:	0.031	0.403
8:	0.330	0.375
9:	0.933	0.587
10:	0.316	1.340



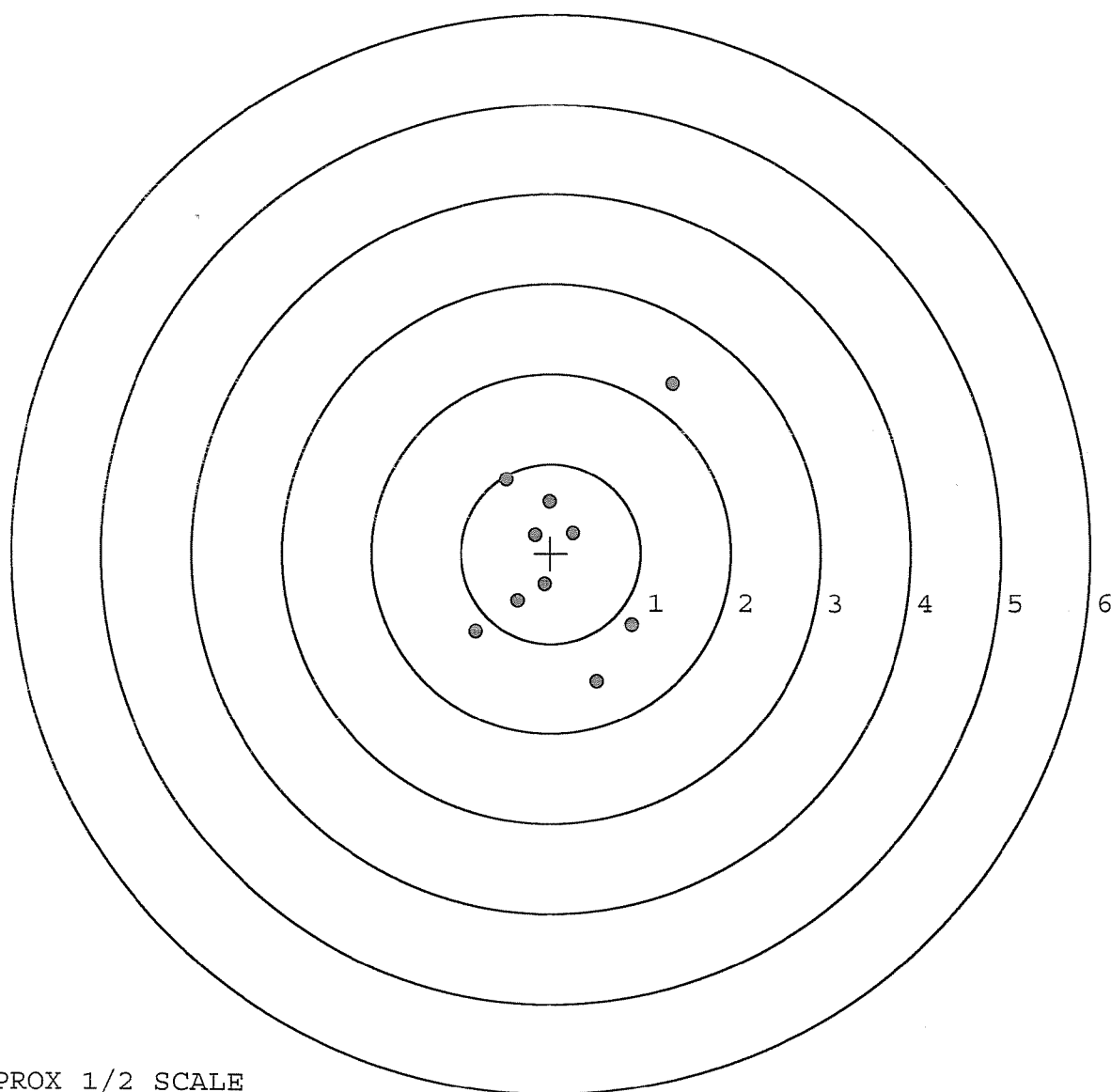
TARGET APPROX 1/2 SCALE

BARBER - M24 0153000

SERIAL NUMBER: G6461559. __0
TARGET NUMBER: 5
FILE DATE: 08/09/2005
FILE TIME: 11:21

X CENTROID: 0.104
Y CENTROID: -0.025
POA TO CENTROID: 0.107
HORZ SPREAD: 2.189
VERT SPREAD: 3.312
GROUP SPREAD: 3.520
MIN RADIUS: 0.288
MAX RADIUS: 2.282
MEAN RADIUS: 0.948
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.515	-1.425
2:	0.903	-0.798
3:	-0.839	-0.870
4:	-0.371	-0.530
5:	-0.070	-0.342
6:	-0.176	0.202
7:	0.248	0.225
8:	-0.018	0.578
9:	-0.497	0.821
10:	1.350	1.887



TARGET APPROX 1/2 SCALE

BARBER - M24 0153001

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

R. & E NUMBER	92202		
SERIAL NUMBER	6225286 60461559 New		
LOG-IN DATE	2-1-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-13-05	RTZ
560 A	RE-BARREL	6-20-05	RTZ
B	DRILL AND TAP	6-22-05	TRW
575	ASSEMBLE	6-20-05	RTZ
600	PROOF	6-22-05	AC
605	CHECK HEADSPACE	6-22-05	AC
610	DIS-ASSEMBLE GUN	6-22-05	RTZ
612	MAGNAFLUX	6/23/05	uncl
615	ROLLMARK CALIBER	6-23-05	CW
618	ROTO-BLAST	7/7/05	JS
620	APPLY COATINGS	7-8-05	WZ
625 A	FINAL ASSEMBLY	7-4-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	8-15-05	AC
D	SAFETY "OFF" FORCE	8-15-05	AC
E	FIRING PIN INDENT	8-15-05	AC
640	TARGET	8-9-05	TRW
655	FINAL INSPECT	8-15-05	AC
660	PACK	9-2-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington®

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

DUPONT

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

MODEL 700™ M24

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

SERIAL NO. 06225286

ORDER NO. 5716

20

UPC

0 47700 25716 7

5716 06225286

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225286

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12 9	88	RW
600	Proof	12 9	88	RW
607	Check Headspace	12 9	88	RW
610	Dis-assemble Gun	12 9	88	RW
612	Magnaflux Barrel Action		12/22/88	Pf.
	Magnaflux Bolt		1.3.89	Pf.
615	Rollmark Caliber		12/22/88	MBC
617	Drill and Tap Sight Holes	1 3	89	FB
618	Polish Barrel	12 2	88	WJL
620	Apply Coatings (Barrel Action)		1/16/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/7/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/7/89	RW
	C) Inspect Ejector Hole for Chamfer		2/7/89	RW
	D) Oil Firing Pin Ass'y		2/7/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		7 Feb 89	JAS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			10 Feb 89	JS
	G) Safety Off Force	3	3	3			10 Feb 89	JS
	H) Trigger Pull Test & Retainability						7 Feb 89	JS
	I) Firing Pin Indent	.0205	.0205	.021			10 Feb 89	JS
	J) Assemble Stock						2/28/89	RW
	K) Assemble Swivel Studs						7 Mar 89	JS
	L) Attach Front and Rear Sight Assemblies						2/28/89	RW
	M) Iron Sight Alignment						2/28/89	RW
	N) Detach Front & Rear Sights & place in numbered container						2/28/89	RW
	O) Attach Scope to Rifle						3/1/89	WB
	P) Detach & Attach Scope 20 Times						3/1/89	WB
640	Gallery Target & Test	60R	93L				3-3-89	K
	A) Time						"	K
	B) Malfunctions				NONE		"	K
	C) Pierced Primers				NONE		"	K
	D) Optical Clarity of Scope				OK		"	K
645	Inspect for Live Ammo				NONE		3-3-89	K
655	Final Inspection							
	A) Headspace						7 Mar 89	JS
	B) Trigger Pull	2.34	2.49	2.39	2.34	2.34	7 Mar 89	JS
	C) Function						7 Mar 89	JS
660	Pack						22 Mar 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 52816DATE 3-31-98TESTER J. U.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.23	2.33		2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.35		2.25	
PULL #3	2.39	2.36		2.22	
PULL #4	2.36	2.31		2.27	
PULL #5	2.18	2.30		2.27	
TOTAL	11.44	11.65		11.36	
AVG.	2.288	2.33		2.272	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.35		
PULL #2	3.41	3.35		
PULL #3	3.57	3.37		
PULL #4	3.60	3.33		
PULL #5	3.50	3.35		
TOTAL	17.39	16.75		
AVG.	3.478	3.15		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.30		
PULL #2	4.23	4.36		
PULL #3	4.16	4.40		
PULL #4	4.39	4.41		
PULL #5	4.41	4.36		
TOTAL	21.42	21.83		
AVG.	4.284	4.366		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225286
6 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	1.43927
1 TO	2	.776723
1 TO	3	.477038
1 TO	4	.914904
1 TO	5	.586744

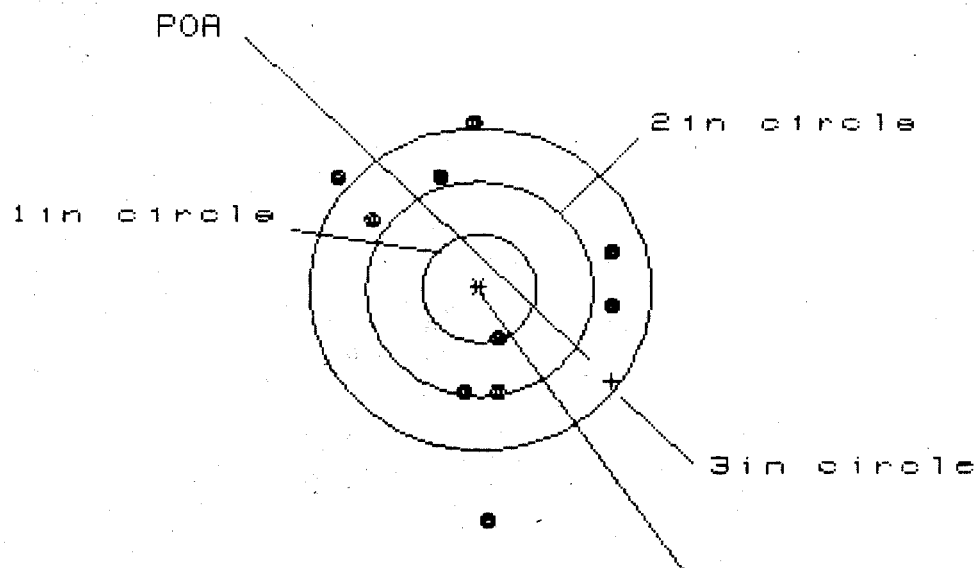
1 4
362 + <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.8308
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5172
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .978634
THE AMR FOR THIS RIFLE IS: 1.003

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225286

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 3

3 in = 7

HS = 2.434

VS = 3.718

GS = 3.719

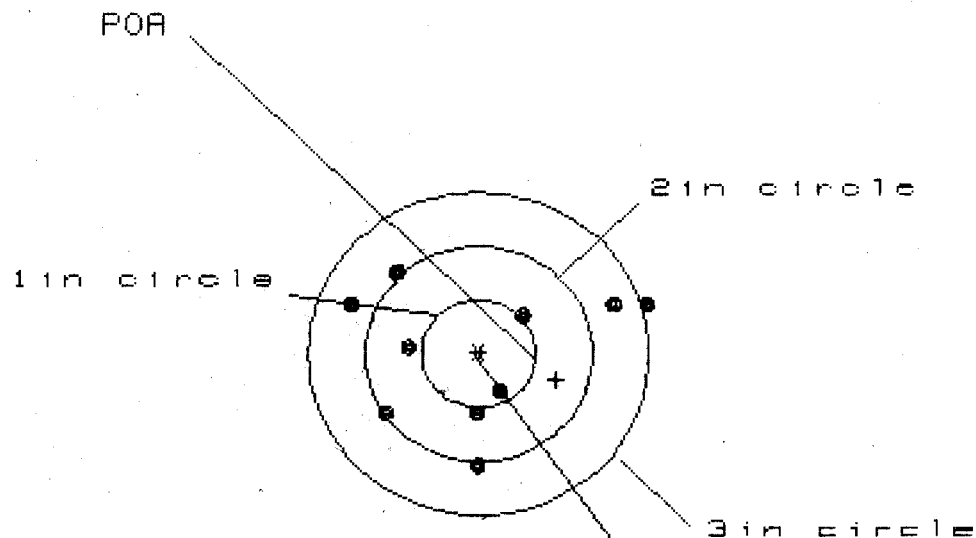
CENTROID +

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.204	1.207	1.054
MINIMUM X	:	-1.230	-1.227	-1.110
MAXIMUM Y	:	1.564	1.324	1.425
MINIMUM Y	:	-2.154	-1.216	-1.115
CENTROID X	:	-1.160	-1.163	-1.010
CENTROID Y	:	.852	1.092	.991
POA TO CENTROID in.	:	1.440	1.595	1.415
MIN RADIUS	:	.444	.679	.568
MEAN RADIUS	:	1.246	1.144	1.084
MAX RADIUS	:	2.155	1.469	1.438
HORIZONTAL SPREAD	:	2.434	2.434	2.164
VERTICAL SPREAD	:	3.718	2.540	2.540
EXTREME SPREAD	:	3.719	2.710	2.542
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	3		
NUMBER IN THREE INCH CIRCLE =	:	7		

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CG225286

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 5

3 in - 9

HS- 2.576

VS- 1.785

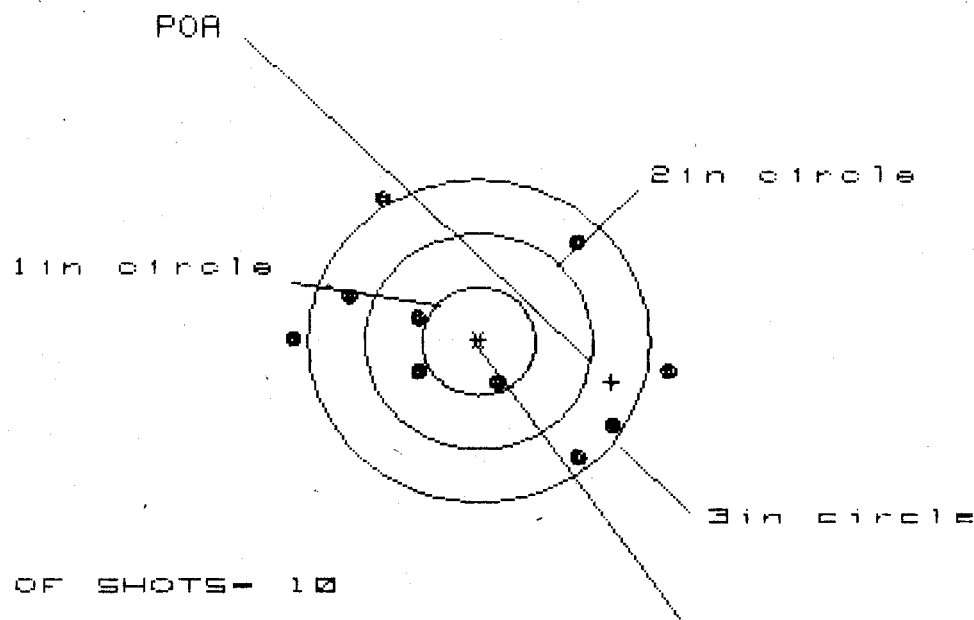
GS- 2.576

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.509	1.365	.720
MINIMUM X	:	-1.067	-.899	-.729
MAXIMUM Y	:	.736	.788	.853
MINIMUM Y	:	-1.049	-.997	-.932
CENTROID X	:	-.683	-.851	-1.021
CENTROID Y	:	.239	.187	.122
POA TO CENTROID in.	:	.724	.871	1.028
MIN RADIUS	:	.446	.505	.378
MEAN RADIUS	:	.926	.834	.736
MAX RADIUS	:	1.579	1.462	.987
HORIZONTAL SPREAD	:	2.576	2.264	1.449
VERTICAL SPREAD	:	1.785	1.785	1.785
EXTREME SPREAD	:	2.576	2.264	1.935
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	9		

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CG225286

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 3

3 in - 7

HS- 3.290

VS- 2.399

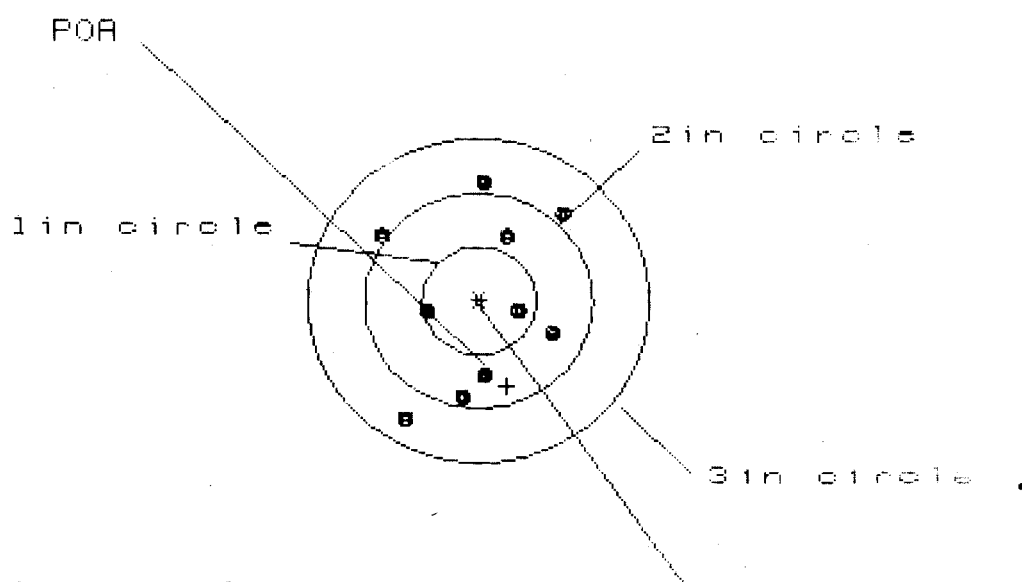
GS- 3.300

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.670	1.305	1.126
MINIMUM X	:	-1.620	-1.435	-1.153
MAXIMUM Y	:	1.320	1.291	1.287
MINIMUM Y	:	-1.079	-1.108	-1.112
CENTROID X	:	-1.166	-1.351	-1.172
CENTROID Y	:	.375	.404	.408
POA TO CENTROID in.	:	1.224	1.410	1.241
MIN RADIUS	:	.417	.418	.450
MEAN RADIUS	:	1.186	1.103	1.071
MAX RADIUS	:	1.690	1.561	1.553
HORIZONTAL SPREAD	:	3.290	2.740	2.279
VERTICAL SPREAD	:	2.399	2.399	2.399
EXTREME SPREAD	:	3.300	2.994	2.994
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	7		

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CS225286

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 6

3 in = 10

HS= 1.567

VS= 2.163

GS= 2.314

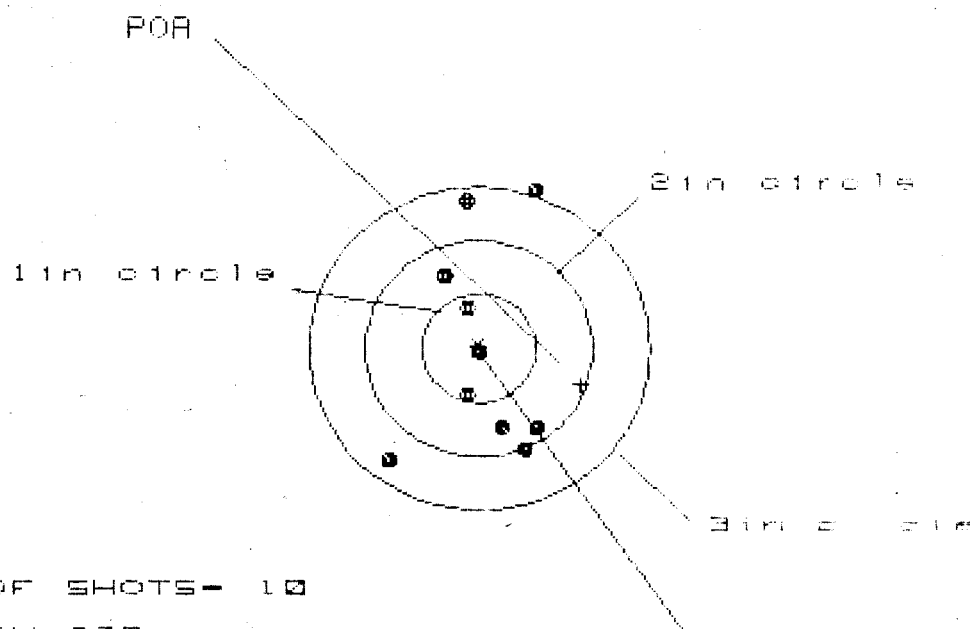
CENTROID +

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.749	.677	.669
MINIMUM X	:	-.818	-.890	-.898
MAXIMUM Y	:	1.105	.988	.793
MINIMUM Y	:	-1.058	-.960	-.837
CENTROID X	:	-.247	-.175	-.167
CENTROID Y	:	.793	.910	.787
POA TO CENTROID in.	:	.830	.927	.804
MIN RADIUS	:	.348	.350	.272
MEAN RADIUS	:	.808	.755	.708
MAX RADIUS	:	1.240	1.005	1.075
HORIZONTAL SPREAD	:	1.567	1.567	1.567
VERTICAL SPREAD	:	2.163	1.948	1.630
EXTREME SPREAD	:	2.314	1.956	1.871
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/062252E

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 1.393

VS= 2.456

GS= 2.824

CENTROID +

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.544
MINIMUM X	-.849
MAXIMUM Y	1.477
MINIMUM Y	-.980
CENTROID X	-.898
CENTROID Y	.327
POA TO CENTROID in.	.956
MIN RADIUS	.074
MEAN RADIUS	.850
MAX RADIUS	1.573
HORIZONTAL SPREAD	1.393
VERTICAL SPREAD	2.456
EXTREME SPREAD	2.824
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

BARBER - M24 0153012 M2400153051

BARBER - M24 **M2400153052**