CS48903

MODEL 700™ M24

Model SMS™

Action

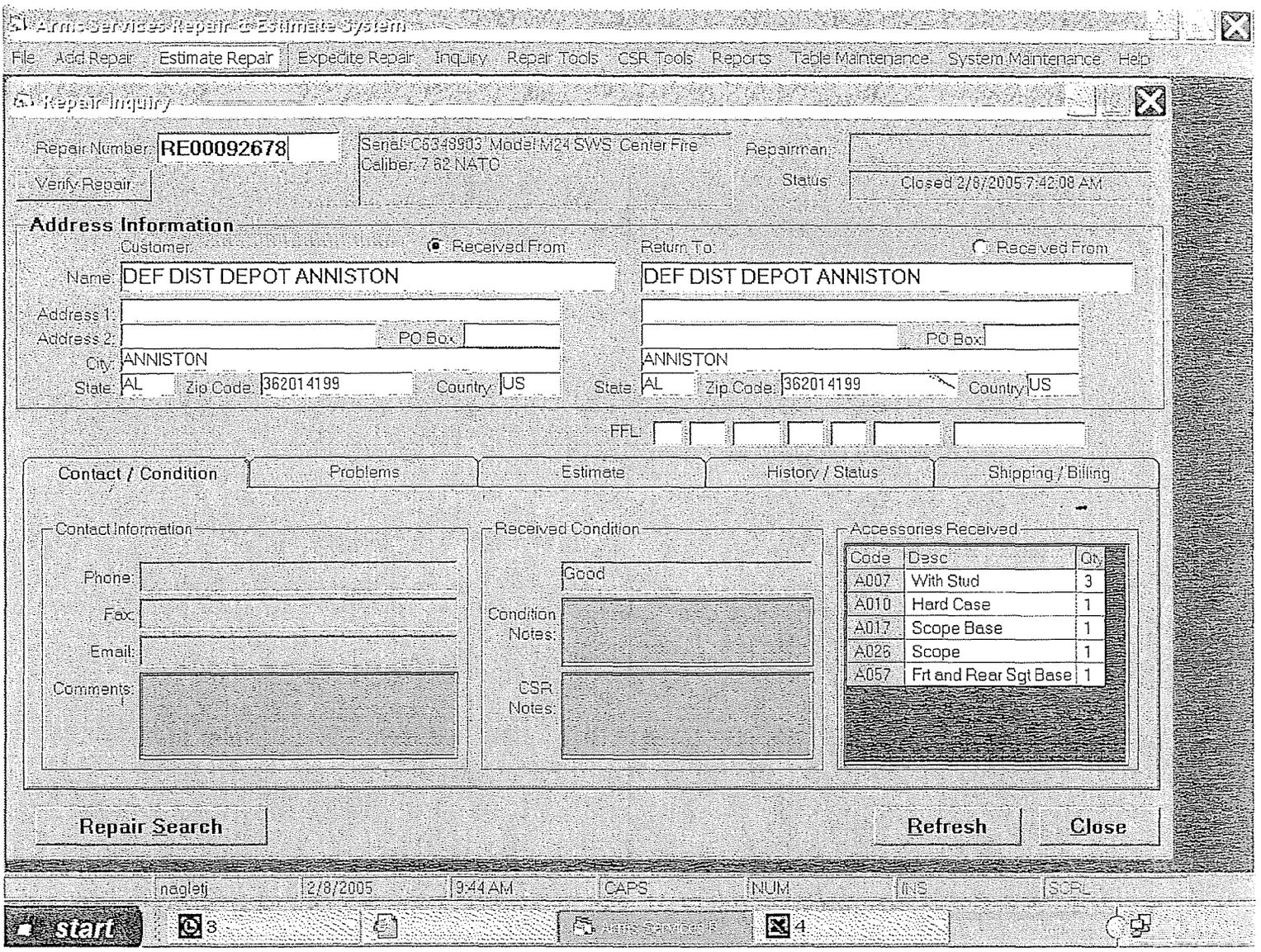
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®



Serial Number: C63348903

Model: M24 SWS

RE00092678

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348903.__0
FILE DATE AND TIME: 03/14/2005 09:17

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

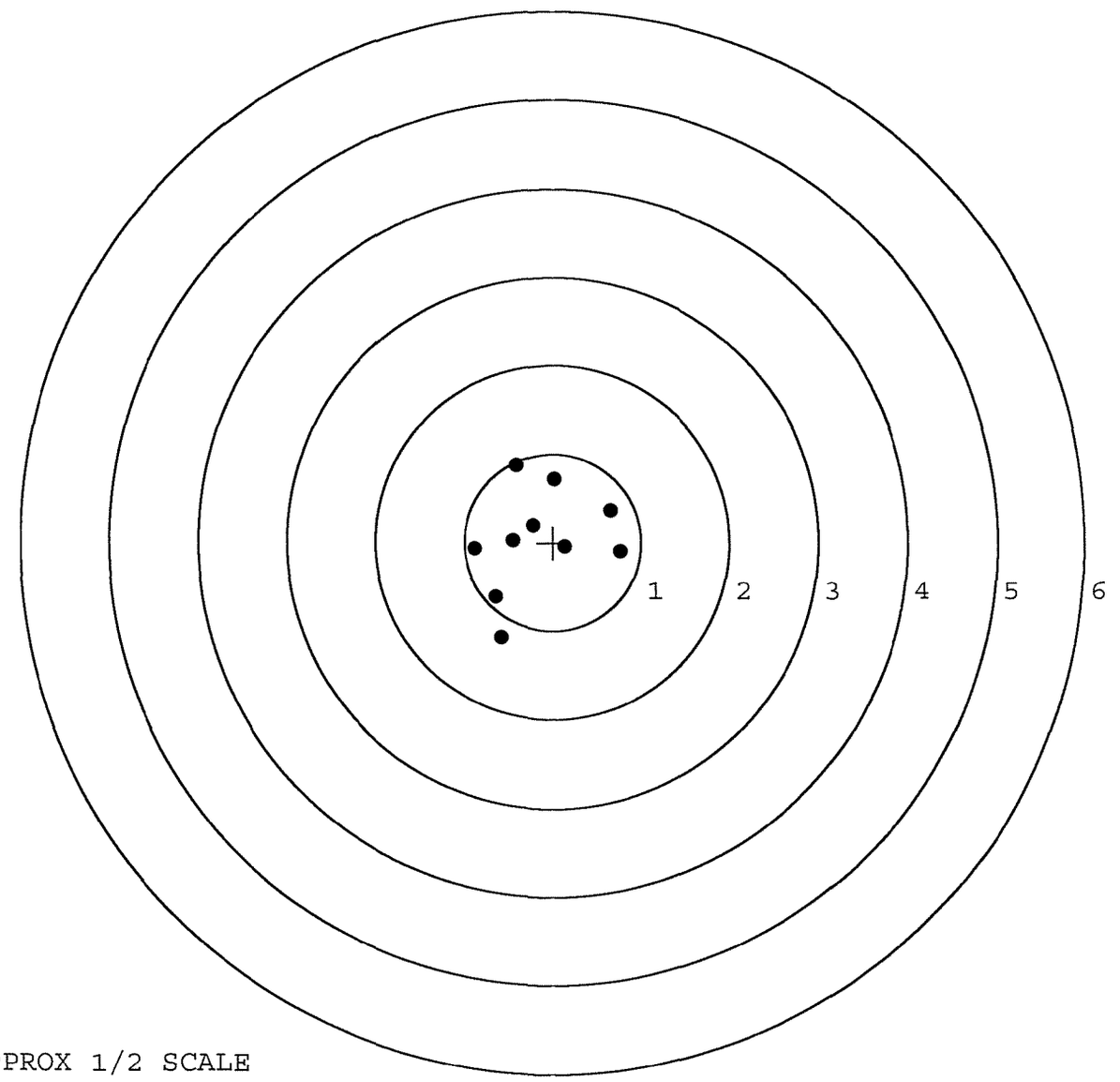
The Average X Centroid of the Five Target Set:	-0.138
The Average Y Centroid of the Five Target Set:	-0.081
The Average Point of Impact of the Five Target Set:	0.159
The Average Mean Radius of the Five Target Set:	0.941
The Distance from POA to Centroid Target #1:	0.167
The Distance from Centroid Target #2 to Centroid Target #1:	0.278
The Distance from Centroid Target #3 to Centroid Target #1:	0.303
The Distance from Centroid Target #4 to Centroid Target #1:	0.275
The Distance from Centroid Target #5 to Centroid Target #1:	0.061

BARBER - M24 0041155

SERIAL NUMBER: C6348903.__0
TARGET NUMBER: 1
FILE DATE: 03/14/2005
FILE TIME: 09:17

X CENTROID:	-0.165
Y CENTROID:	0.023
POA TO CENTROID:	0.167
HORZ SPREAD:	1.647
VERT SPREAD:	1.950
GROUP SPREAD:	1.957
MIN RADIUS:	0.186
MAX RADIUS:	1.183
MEAN RADIUS:	0.691
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.583	-1.083
2:	-0.644	-0.622
3:	-0.886	-0.075
4:	-0.454	0.021
5:	0.129	-0.053
6:	0.015	0.717
7:	-0.415	0.867
8:	0.657	0.365
9:	0.761	-0.100
10:	-0.231	0.197



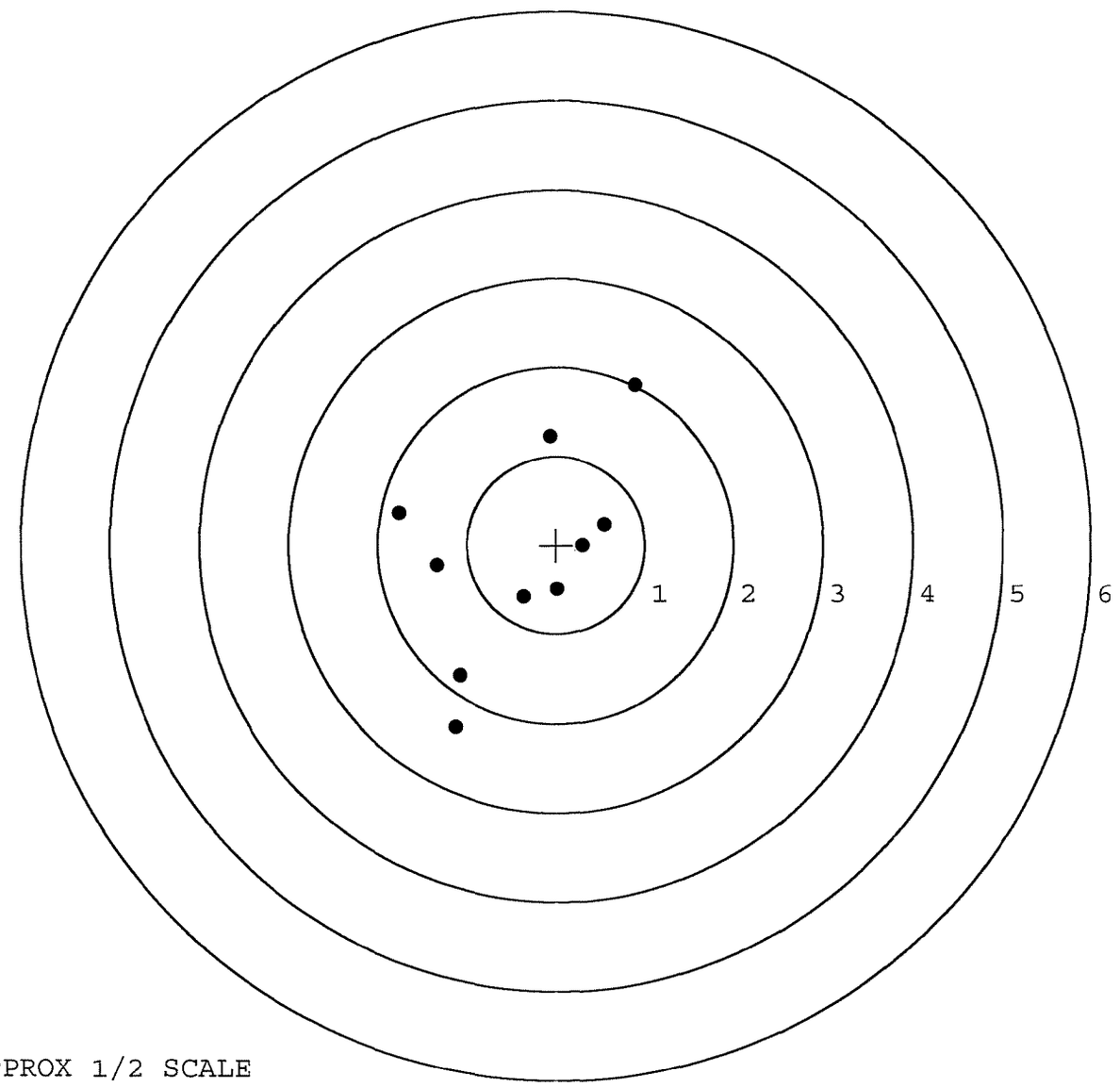
TARGET APPROX 1/2 SCALE

BARBER - M24 0041156

SERIAL NUMBER: C6348903.__0
TARGET NUMBER: 2
FILE DATE: 03/14/2005
FILE TIME: 09:17

X CENTROID:	-0.401
Y CENTROID:	-0.124
POA TO CENTROID:	0.420
HORZ SPREAD:	2.654
VERT SPREAD:	3.853
GROUP SPREAD:	4.351
MIN RADIUS:	0.465
MAX RADIUS:	2.316
MEAN RADIUS:	1.240
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	4
# in 3 IN DIAMETER:	7

POINT#	X	Y
1:	-1.133	-2.053
2:	-1.076	-1.471
3:	-1.335	-0.237
4:	-1.765	0.354
5:	-0.069	1.223
6:	0.889	1.800
7:	0.540	0.238
8:	0.301	-0.001
9:	0.008	-0.501
10:	-0.373	-0.588



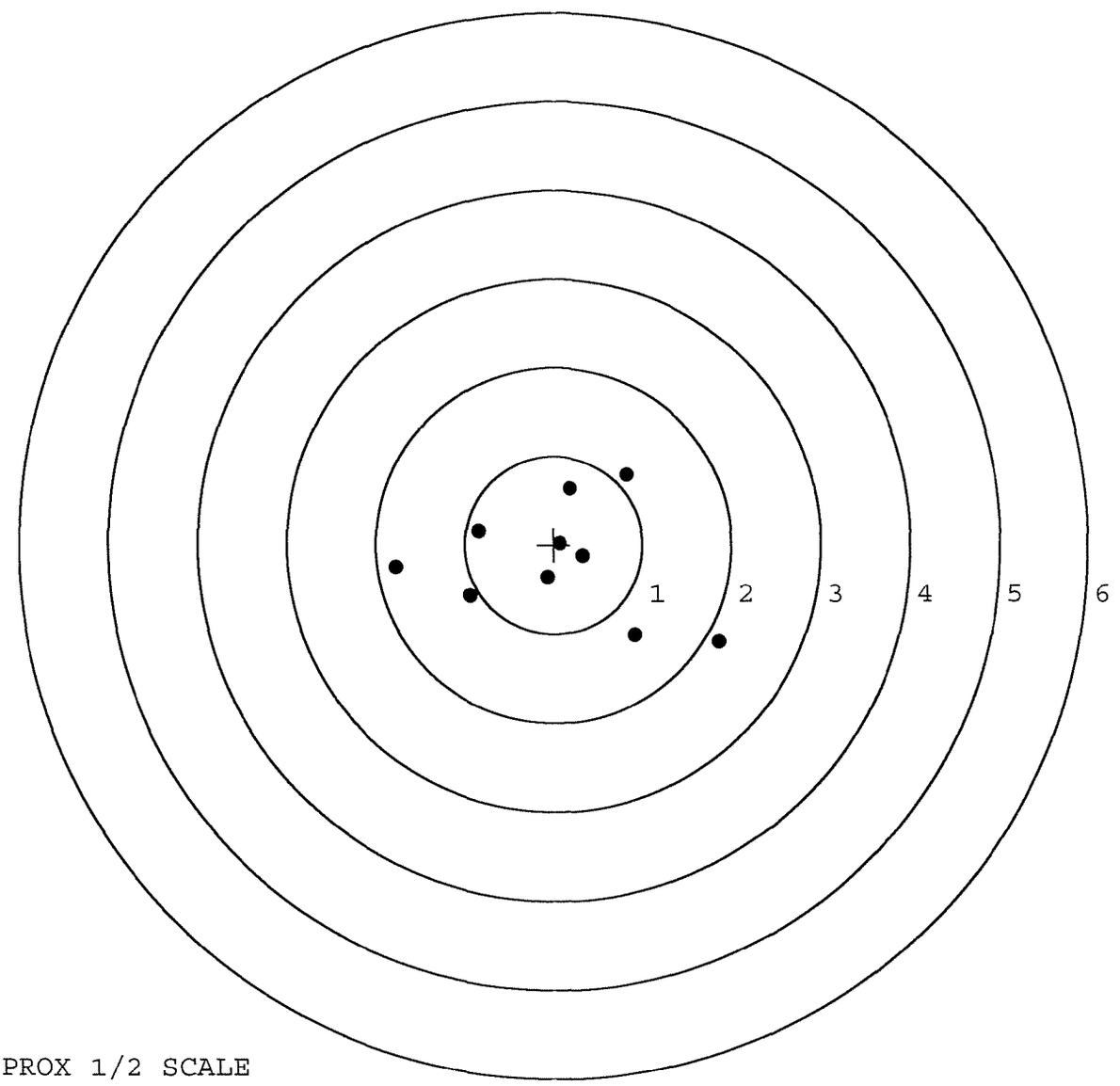
TARGET APPROX 1/2 SCALE

BARBER - M24 0041157

SERIAL NUMBER: C6348903.__0
TARGET NUMBER: 3
FILE DATE: 03/14/2005
FILE TIME: 09:17

X CENTROID:	0.055
Y CENTROID:	-0.184
POA TO CENTROID:	0.192
HORZ SPREAD:	3.642
VERT SPREAD:	1.885
GROUP SPREAD:	3.737
MIN RADIUS:	0.199
MAX RADIUS:	2.026
MEAN RADIUS:	0.986
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	1.866	-1.092
2:	0.914	-1.015
3:	0.824	0.793
4:	0.185	0.628
5:	0.072	0.014
6:	0.328	-0.123
7:	-0.078	-0.369
8:	-0.842	0.155
9:	-0.943	-0.577
10:	-1.776	-0.256



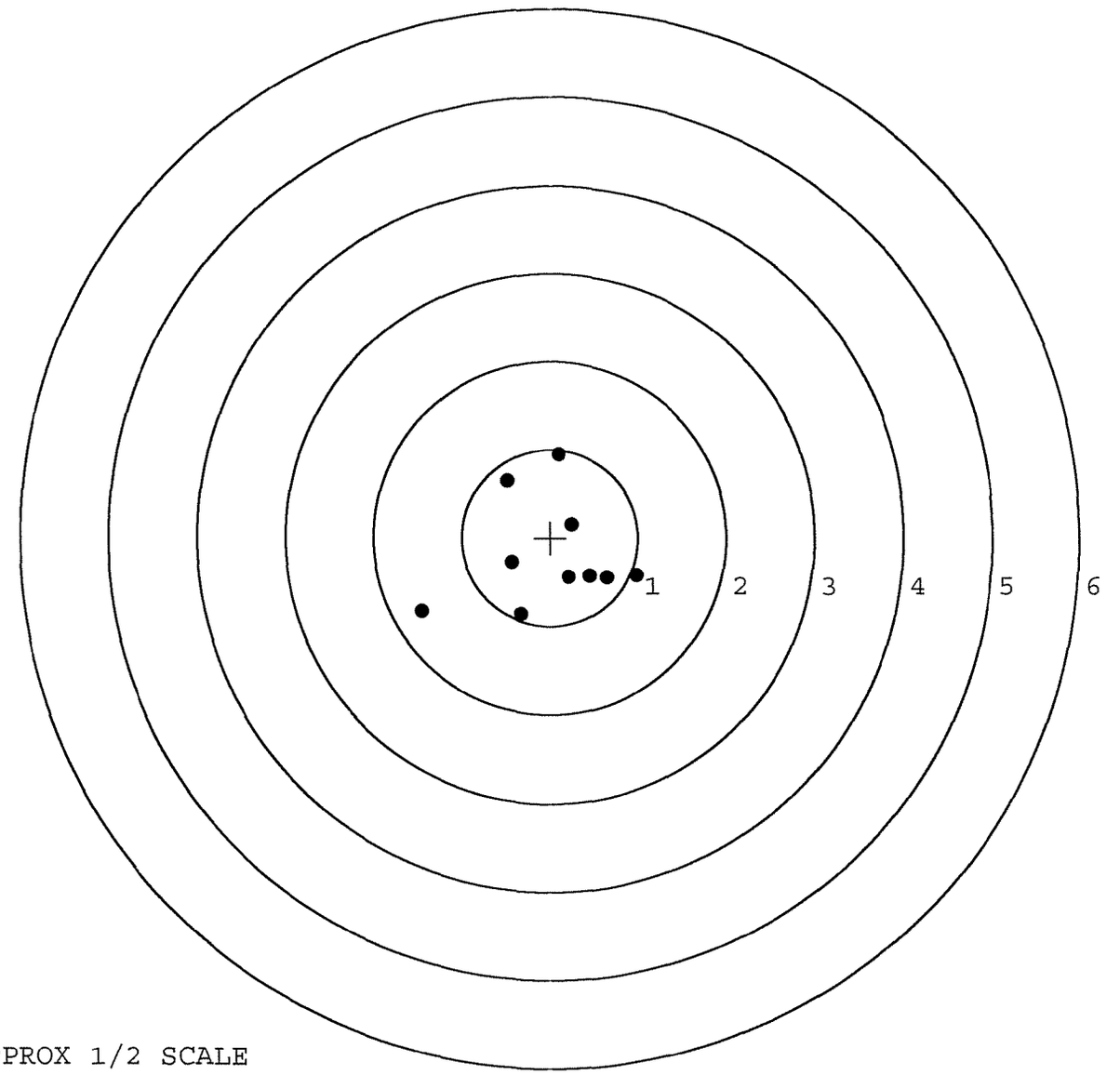
TARGET APPROX 1/2 SCALE

BARBER - M24 0041158

SERIAL NUMBER: C6348903.__0
TARGET NUMBER: 4
FILE DATE: 03/14/2005
FILE TIME: 09:17

X CENTROID:	-0.007
Y CENTROID:	-0.202
POA TO CENTROID:	0.202
HORZ SPREAD:	2.449
VERT SPREAD:	1.815
GROUP SPREAD:	2.484
MIN RADIUS:	0.335
MAX RADIUS:	1.585
MEAN RADIUS:	0.792
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-1.457	-0.843
2:	-0.336	-0.870
3:	-0.446	-0.286
4:	0.250	0.148
5:	-0.498	0.645
6:	0.100	0.945
7:	0.992	-0.427
8:	0.653	-0.447
9:	0.454	-0.435
10:	0.217	-0.451



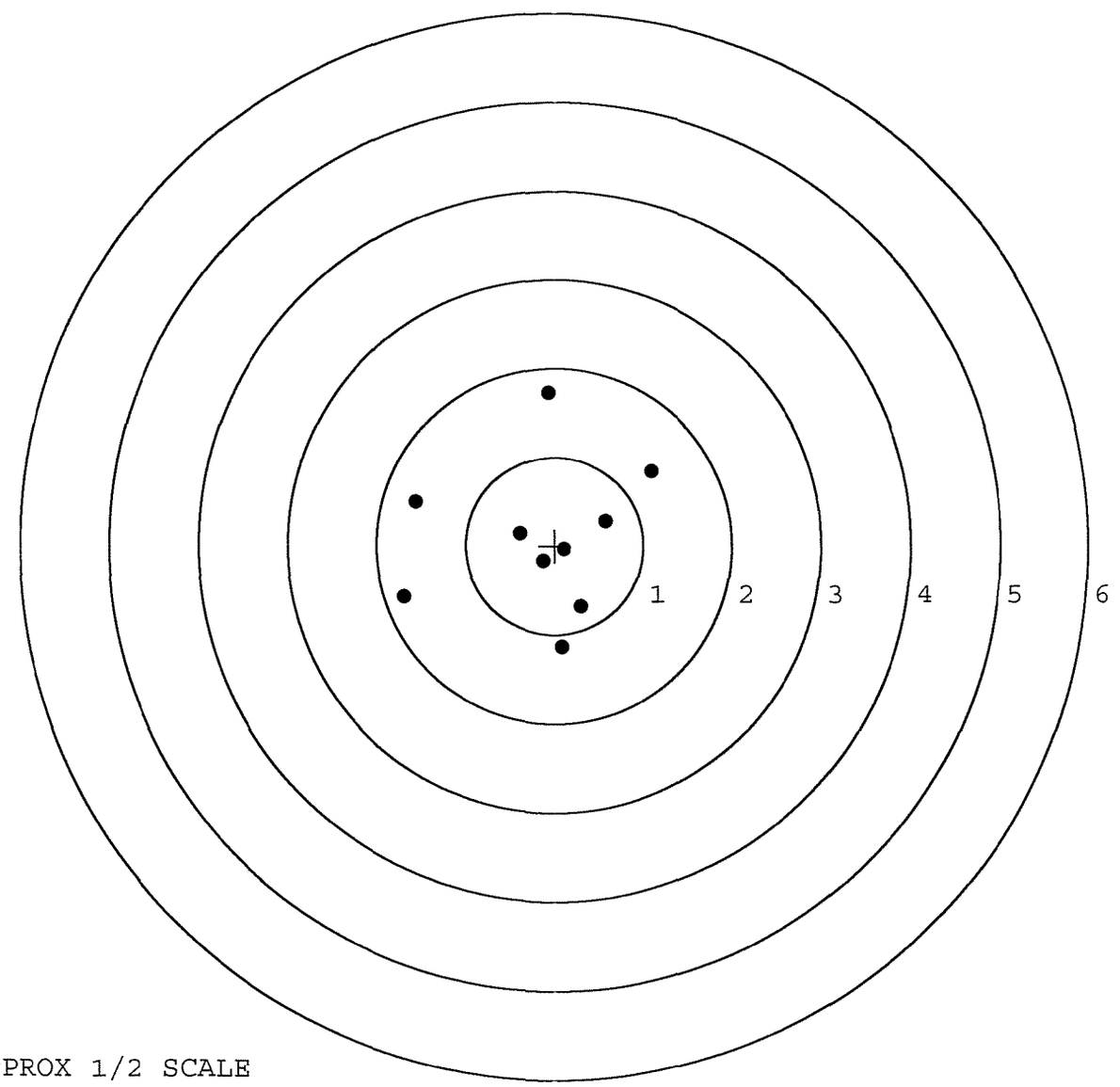
TARGET APPROX 1/2 SCALE

BARBER - M24 0041159

SERIAL NUMBER: C6348903.__0
TARGET NUMBER: 5
FILE DATE: 03/14/2005
FILE TIME: 09:17

X CENTROID:	-0.169
Y CENTROID:	0.084
POA TO CENTROID:	0.189
HORZ SPREAD:	2.788
VERT SPREAD:	2.867
GROUP SPREAD:	3.128
MIN RADIUS:	0.233
MAX RADIUS:	1.660
MEAN RADIUS:	0.996
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	0.084	-1.141
2:	0.306	-0.691
3:	0.579	0.278
4:	1.098	0.837
5:	-0.079	1.726
6:	0.105	-0.046
7:	-0.136	-0.174
8:	-0.396	0.138
9:	-1.563	0.493
10:	-1.690	-0.581



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92678		
SERIAL NUMBER	C 6348903		
LOG-IN DATE	2-8-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-14-05	RTL
560 A	RE-BARREL	2-16-05	RTL
B	DRILL AND TAP	2-17-05	TRW
575	ASSEMBLE	2-16-05	RTL
600	PROOF	2-17-05	AC
605	CHECK HEADSPACE	2-17-05	MAGNAFLUX INSPECTED FEB 2005
610	DIS-ASSEMBLE GUN	2-17-05	RTL
612	MAGNAFLUX		OPERATOR
615	ROLLMARK CALIBER		
618	ROTO-BLAST	2-18-05	CW LB
620	APPLY COATINGS	3/11/05	HP
625 A	FINAL ASSEMBLY	3-8-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	3-14-05	AC
D	SAFETY "OFF" FORCE	3-14-05	AC
E	FIRING PIN INDENT	3-14-05	~~AC 3-14-05~~
640	TARGET	3-14-05	TRW
655	FINAL INSPECT	3-14-05	AC
660	PACK	3-15-05	QA
		SHIP DATE	
	QAR INSPECTION DATE		

Remington
DUPONT
REG. U.S. PAT. & TM. OFF.
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.
01
SERIAL NO.
C6348903
ORDER NO.
5716
5716 C6348903
UPC
0 47700 25716 7

RC Replaced

BARBER - M24 0041162

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348903

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	89	RW
600	Proof	9 26	89	RW
607	Check Headspace	9 26	89	RW
610	Dis-assemble Gun	9 26	89	RW
612	Magnaflux Barrel Action	9/29/89		KCR
	Magnaflux Bolt	9/29/89		KCR
615	Rollmark Caliber	9/29/89		LA
7	Drill and Tap Sight Holes	9 29	89	LB
618	Polish Barrel RB	9 29	89	BT
620	Apply Coatings (Barrel Action)		10/1/89	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/12/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/12/89	RW
	C) Inspect Ejector Hole for Chamfer		10/12/89	RW
	D) Oil Firing Pin Ass'y		10/12/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/16/89	DB

QUALITY AUDIT

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			10/24/89	[illegible]
	G) Safety Off Force	3	3	3			10/24/89	[illegible]
	H) Trigger Pull Test & Retainability						24 Oct 89	[illegible]
	I) Firing Pin Indent	.021	.021	.0205			10/24/89	[illegible]
	J) Assemble Stock						10/25/89	[illegible]
	K) Assemble Swivel Studs						27 Oct 89	[illegible]
	L) Attach Front and Rear Sight Assemblies						12/11/89	[illegible]
	M) Iron Sight Alignment						12/11/89	[illegible]
	N) Detach Front & Rear Sights & place in numbered container						12/11/89	[illegible]
	O) Attach Scope to Rifle						10/25/89	[illegible]
	P) Detach & Attach Scope 20 Times						10/25/89	[illegible]
640	Gallery Target & Test					2-27-90	10-25-89	DH
	A) Time					2-27-90	10-25-89	DH
	B) Malfunctions					2-27-90	10-25-89	DH
	C) Pierced Primers					2-27-90	10-25-89	DH
	D) Optical Clearity of Scope					2-27-90	10-25-89	DH
645	Inspect for Live Ammo					2-27-90	10-25-89	DH
655	Final Inspection A) Headspace	2.15	2.19	2.21	2.21	2.19	27 Oct 89	[illegible]
	B) Trigger Pull	232	205	234	239	257	30 Oct 89	[illegible]
	C) Function						27 Oct 89	[illegible]
660	Pack						2 Nov 90	[illegible]

BARBER - M24 0041164

SWS TRIGGER PULL TEST

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

SERIAL NO. C6348903
DATE 24 Oct 89
TESTER GB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.39	2.39	2.32	MIN. SETTING,
PULL #2	2.39	2.45	2.47	2.05	NO AVG. OF 5
PULL #3	2.43	2.47	2.47	2.34	READINGS ACCEPT-
PULL #4	2.57	2.53	2.48	2.39	ABLE LESS THAN 2#
PULL #5	2.41	2.56	2.40	2.57	
TOTAL	12.21	12.40	12.21	11.67	
AVG.	2.442	2.48	2.442	2.334	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.15	3.02		
PULL #2	3.19	3.20		
PULL #3	3.18	3.18		
PULL #4	3.30	3.04		
PULL #5	3.25	3.35		
TOTAL	16.07	15.79		
AVG.	3.214	3.158		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.22		4.45
PULL #2	4.12	4.03		4.54
PULL #3	4.41	4.47		4.45
PULL #4	4.04	4.63		4.48
PULL #5	4.49	4.57		4.30
TOTAL	21.16	21.92		22.22
AVG.	4.232	4.384		4.444

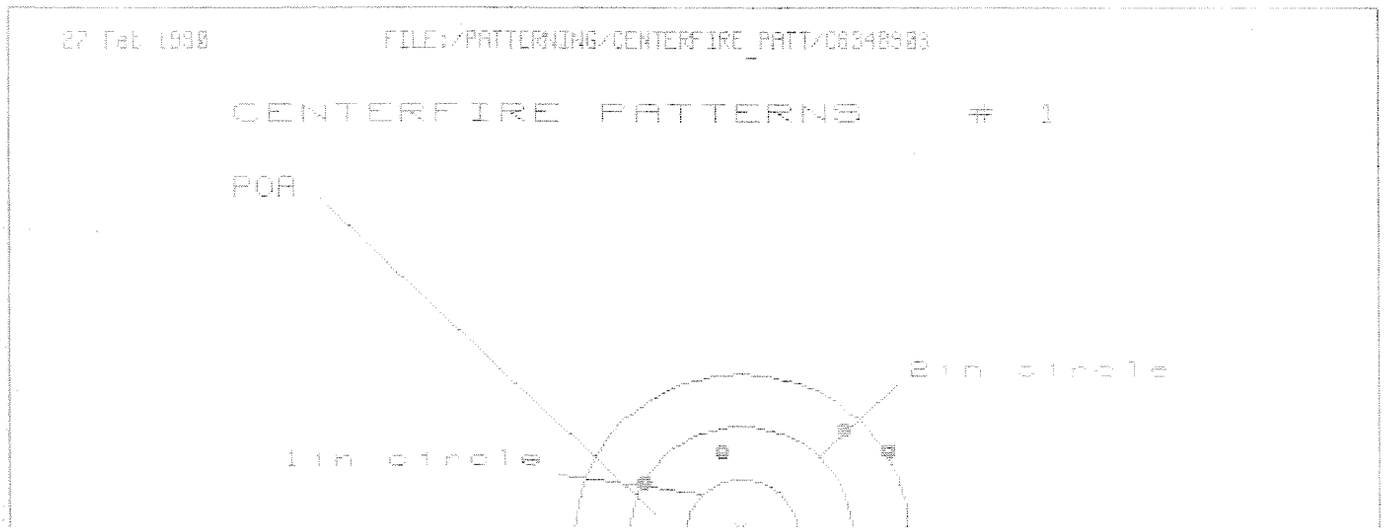
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348903
27 Feb 1990

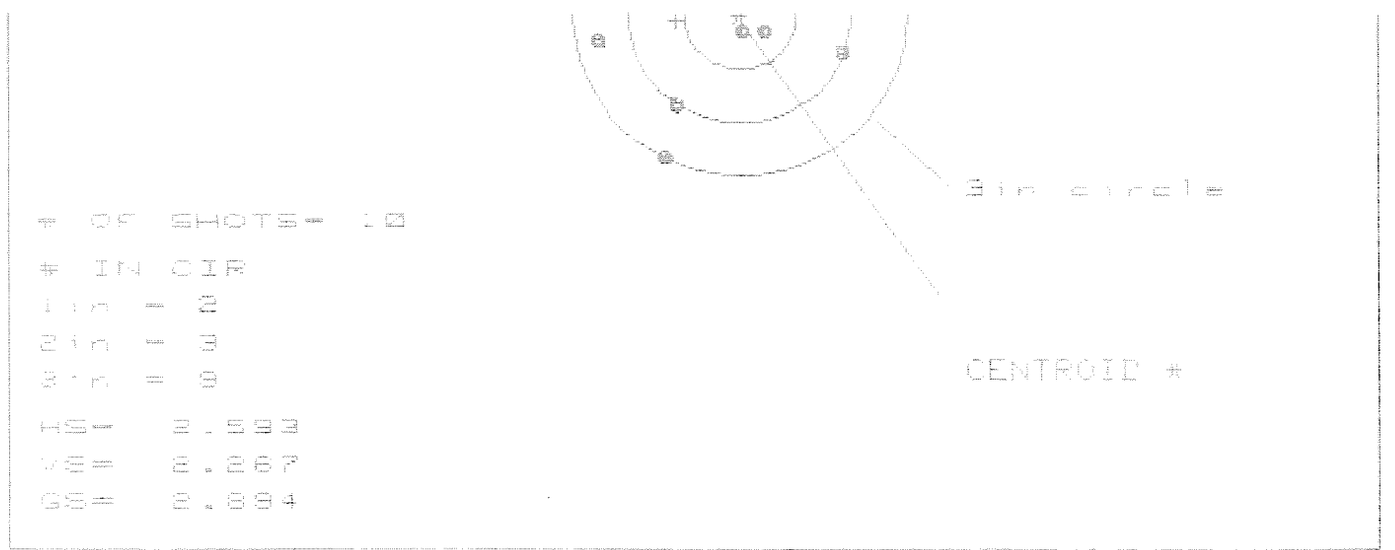
CENTROIDAL DISTANCES

0	TO	1	.577887
1	TO	2	.182702
1	TO	3	.405222
1	TO	4	.568265
1	TO	5	.510658

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5482
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1764
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .575882

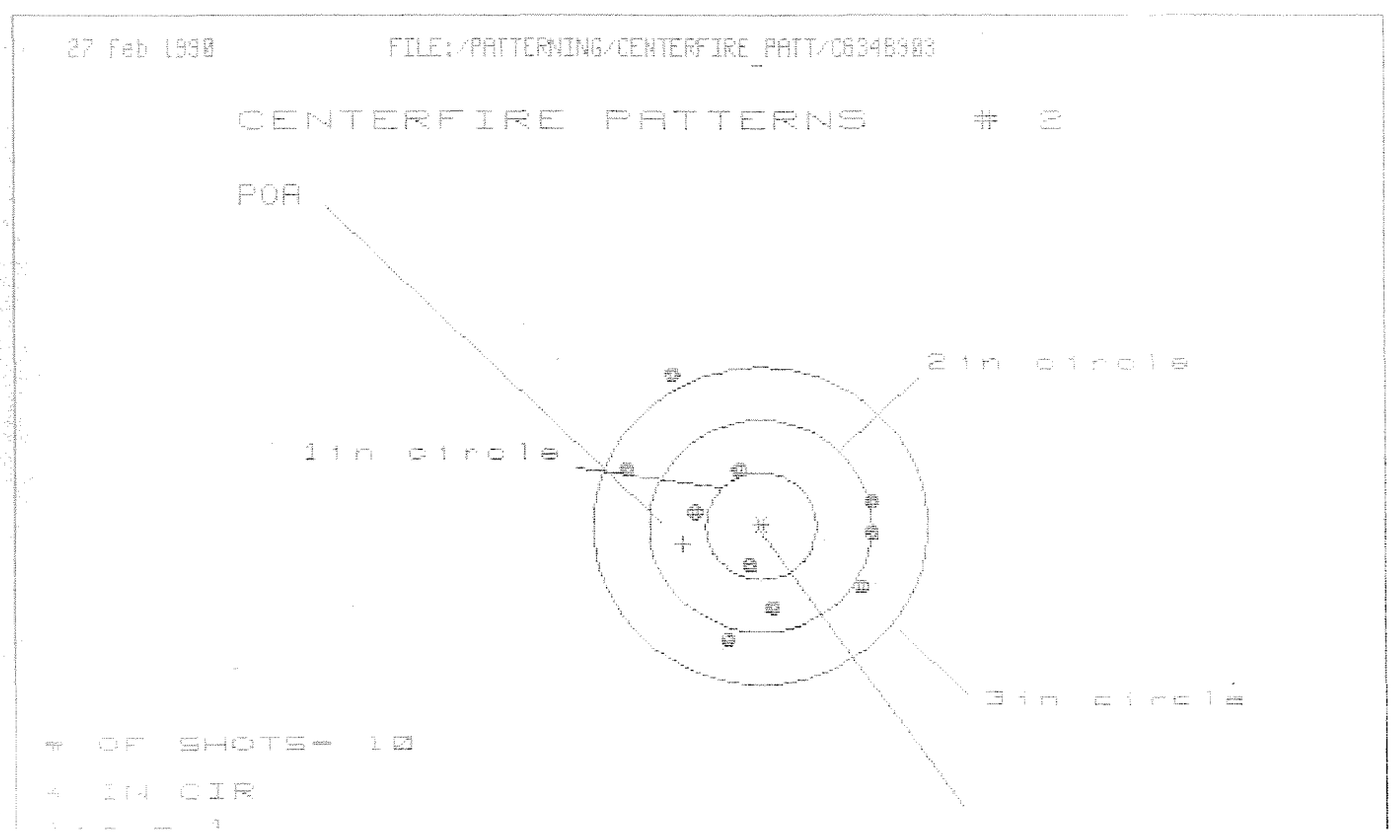
THE AMR FOR THIS RIFLE IS: .8962





PATTERN #	:	[redacted]		
SHOTS (BELOW)	:	10	9	8
MAXIMUM X	:	1.346	1.113	1.692
MINIMUM X	:	-1.247	-1.098	-1.159
MAXIMUM Y	:	.947	1.034	.880
MINIMUM Y	:	-1.320	-1.233	-.906
CENTROID X	:	.577	.428	.489
CENTROID Y	:	.032	-.055	.059
POA TO CENTROID in.	:	.578	.431	.473
MIN RADIUS	:	.122	.171	.216
MEAN RADIUS	:	.979	.913	.876
MAX RADIUS	:	1.559	1.510	1.361
HORIZONTAL SPREAD	:	2.593	2.211	2.311
VERTICAL SPREAD	:	2.267	2.267	1.786
EXTREME SPREAD	:	2.884	2.756	2.471

NUMBER IN ONE INCH CIRCLE = 2
NUMBER IN TWO INCH CIRCLE = 3
NUMBER IN THREE INCH CIRCLE = 9

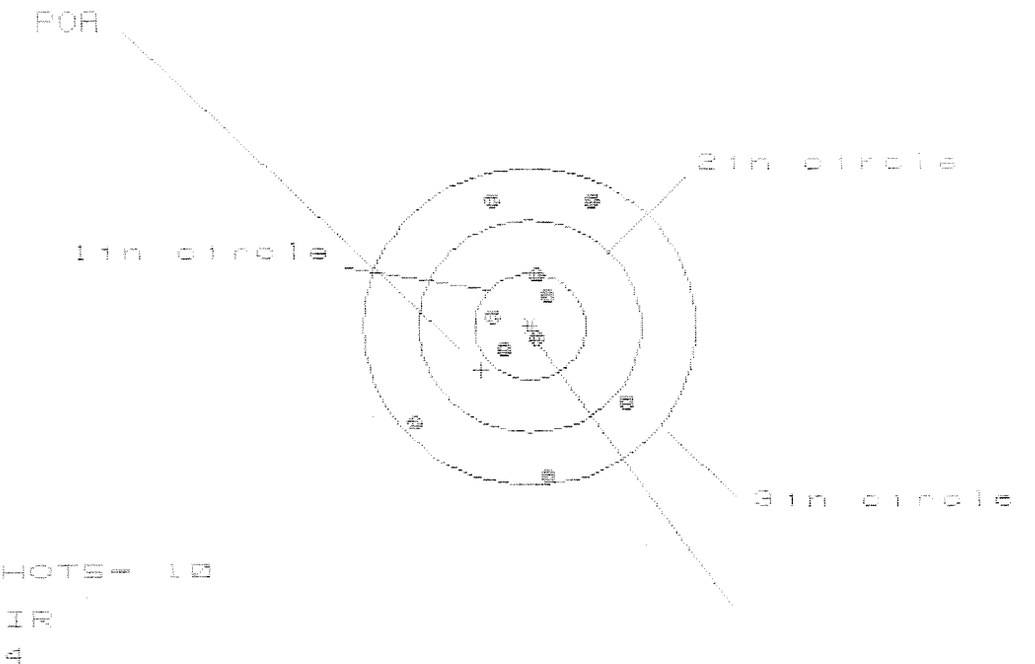


```
X in = 9                                          CENTROID *
Y in = 9
HS=   2.180
VS=   2.481
GS=   2.566
```

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.014	.928	.772
MINIMUM X	:	-1.166	-1.252	-.826
MAXIMUM Y	:	1.389	.709	.778
MINIMUM Y	:	-1.092	-.938	-.849
CENTROID X	:	.699	.785	.941
CENTROID Y	:	.168	.014	-.075
POA TO CENTROID in.	:	.719	.785	.944
MIN RADIUS	:	.328	.235	.333
MEAN RADIUS	:	.937	.842	.757
MAX RADIUS	:	1.590	1.439	.930
HORIZONTAL SPREAD	:	2.180	2.180	1.588
VERTICAL SPREAD	:	2.481	1.647	1.627
EXTREME SPREAD	:	2.566	2.353	1.806
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

27 Feb 1998 FILE:/PATTERNING/CENTERFIRE_PATT/C034B003

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 5

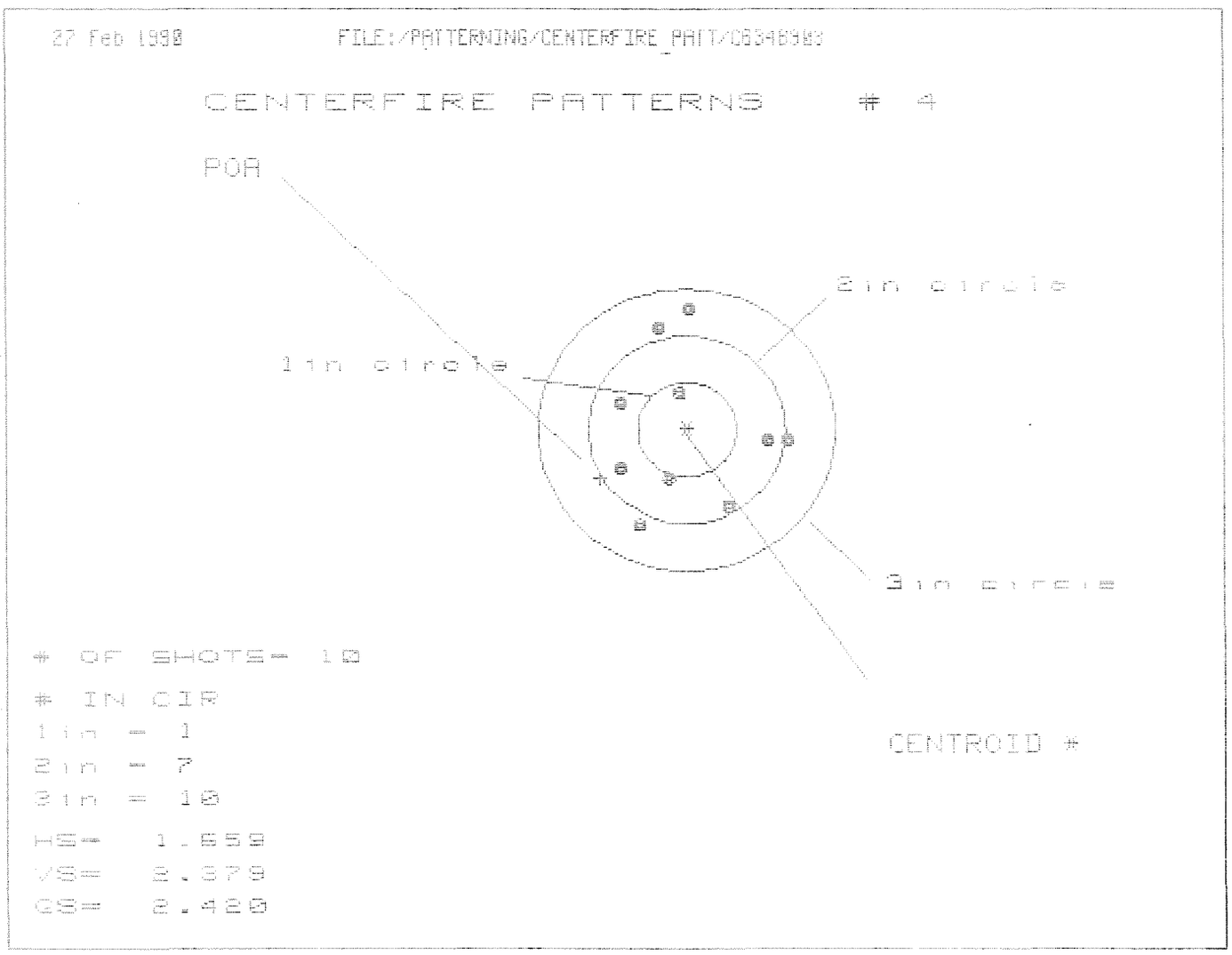
3in = 10

HS= 1.838

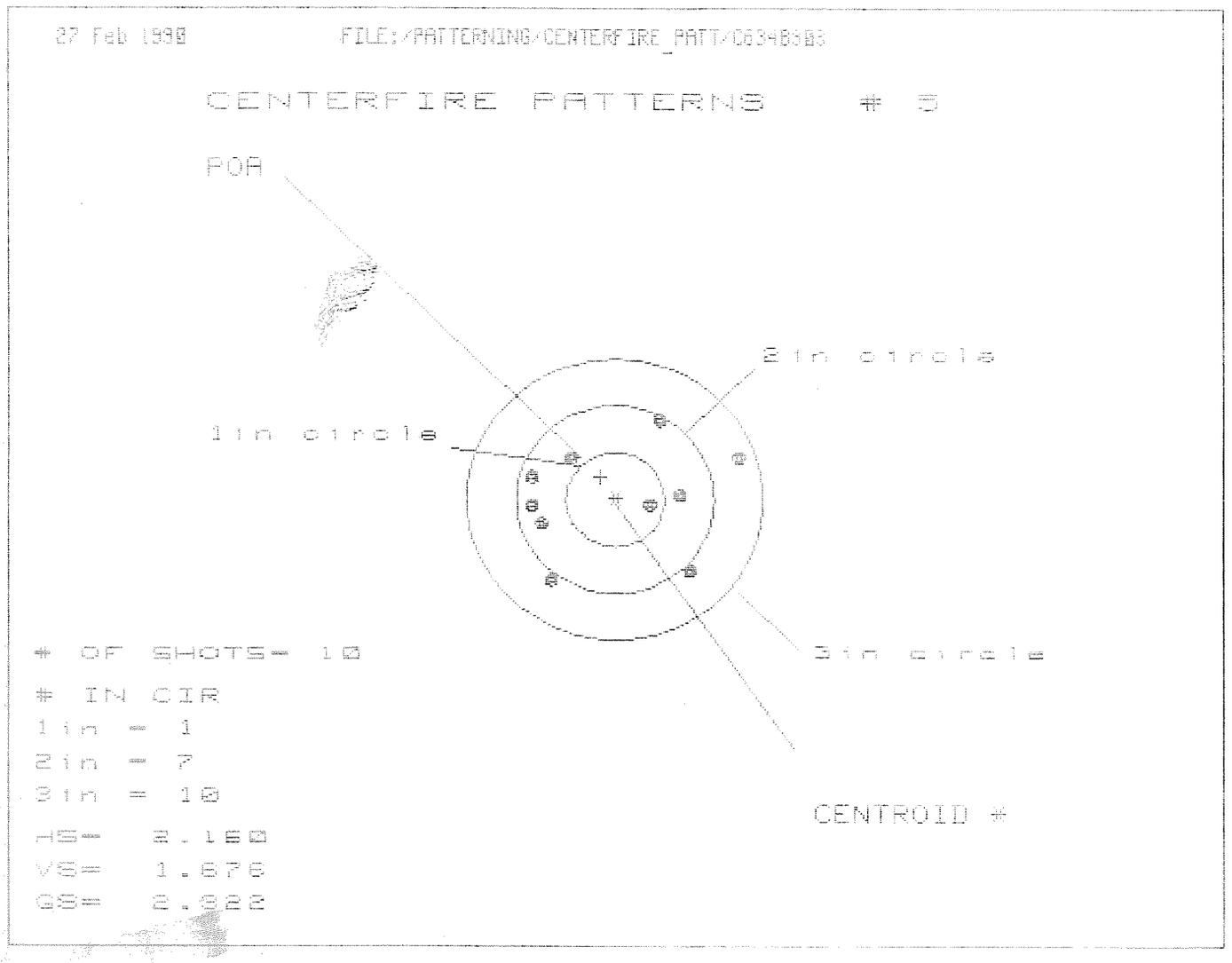
VS= 2.607

GS= 2.636

PATTERN #	:	3	
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.845	.864	.936
MINIMUM X	:	-.994	-.974	-.902
MAXIMUM Y	:	1.227	1.073	1.188
MINIMUM Y	:	-1.380	-1.049	-.914
CENTROID X	:	.439	.420	.348
CENTROID Y	:	.413	.567	.432
POA TO CENTROID in.	:	.603	.705	.585
MIN RADIUS	:	.151	.261	.224
MEAN RADIUS	:	.809	.735	.664
MAX RADIUS	:	1.391	1.431	1.284
HORIZONTAL SPREAD	:	1.838	1.838	1.838
VERTICAL SPREAD	:	2.607	2.122	2.102
EXTREME SPREAD	:	2.636	2.631	2.232
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.975	.973	.915
MINIMUM X	:	-.684	-.686	-.744
MAXIMUM Y	:	1.335	1.239	1.127
MINIMUM Y	:	-1.044	-.896	-.820
CENTROID X	:	.878	.880	.838
CENTROID Y	:	.514	.366	.478
POA TO CENTROID in.	:	1.017	.953	1.058
MIN RADIUS	:	.366	.373	.418
MEAN RADIUS	:	.885	.821	.797
MAX RADIUS	:	1.335	1.266	1.171
HORIZONTAL SPREAD	:	1.659	1.659	1.659
VERTICAL SPREAD	:	2.379	2.135	1.947
EXTREME SPREAD	:	2.420	2.145	2.079
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.284	.912	.848
MINIMUM X	:	-.876	-.733	-.797
MAXIMUM Y	:	.818	.865	.763
MINIMUM Y	:	-.858	-.811	-.774
CENTROID X	:	.148	.005	.069
CENTROID Y	:	-.245	-.292	-.190
POA TO CENTROID in.	:	.286	.292	.202
MIN RADIUS	:	.403	.543	.490
MEAN RADIUS	:	.871	.805	.777
MAX RADIUS	:	1.352	1.133	1.148
HORIZONTAL SPREAD	:	2.160	1.645	1.645
VERTICAL SPREAD	:	1.676	1.676	1.537
EXTREME SPREAD	:	2.322	2.020	1.869
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	