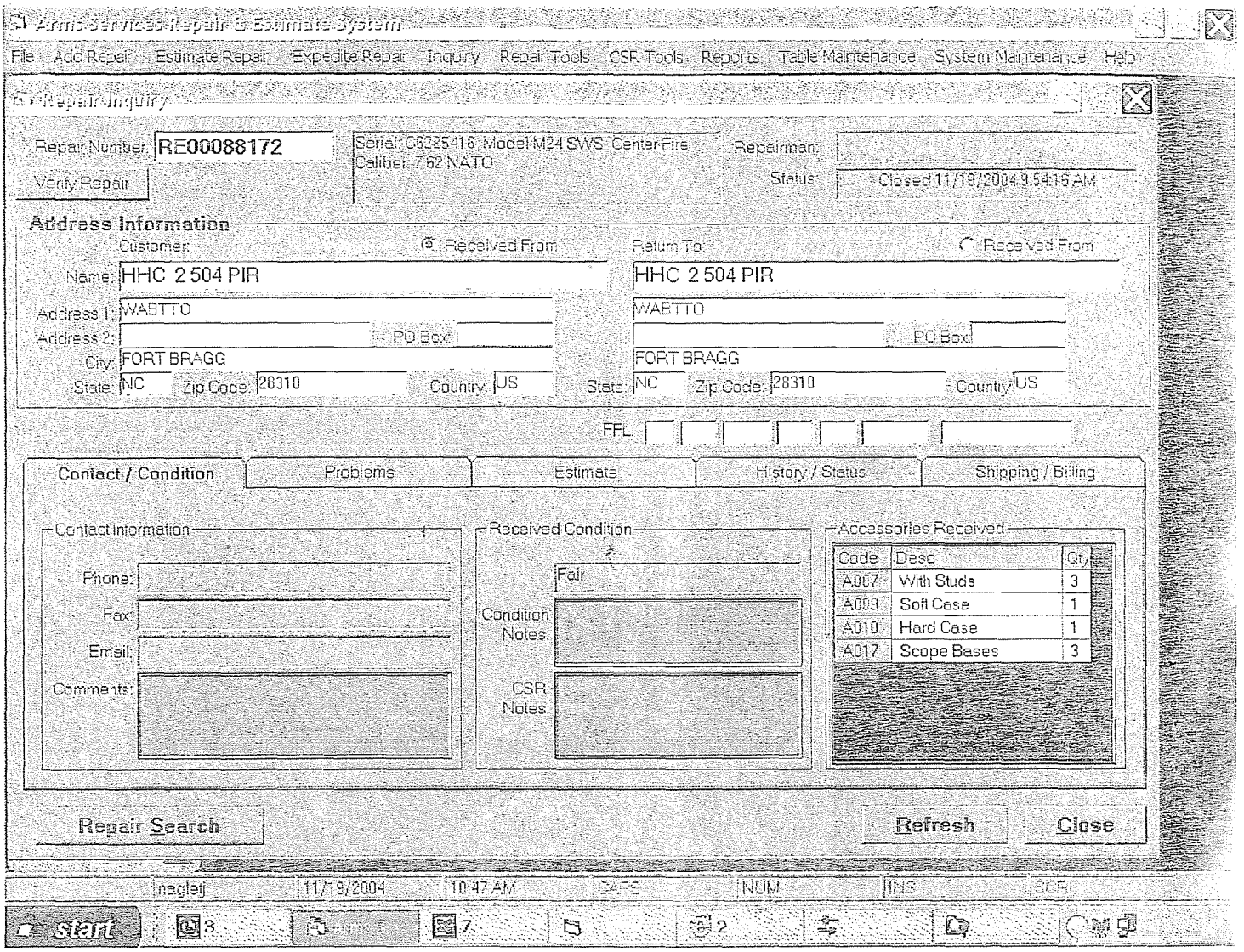
G641 4337
Report
C.622 5416



C6414337

Serial Number: C6225416

Model: M24 SWS

RE00088172

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6414337.__0
FILE DATE AND TIME: 12/10/2004 19:41

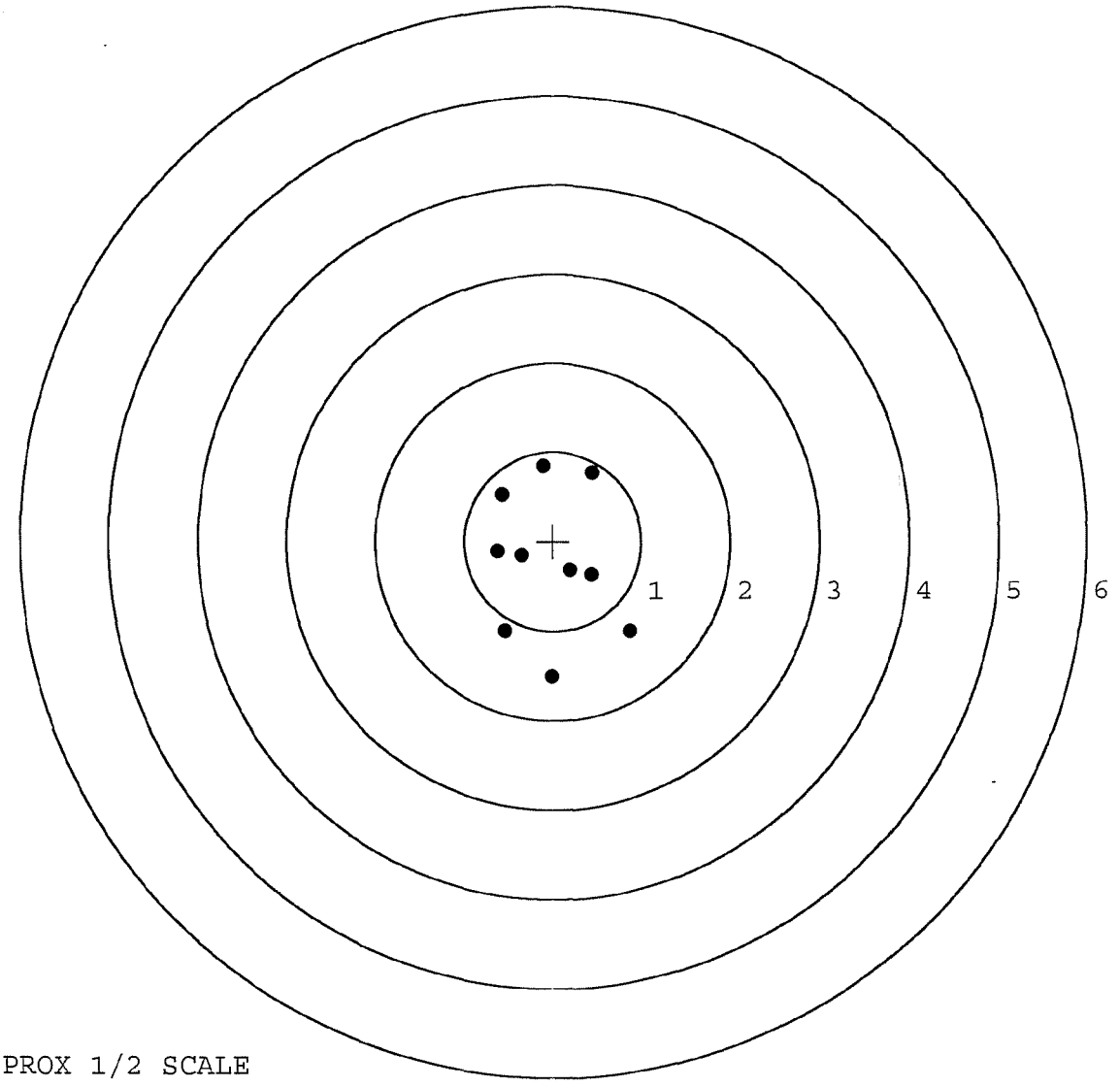
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.007
The Average Y Centroid of the Five Target Set:	-0.030
The Average Point of Impact of the Five Target Set:	0.031
The Average Mean Radius of the Five Target Set:	0.666
The Distance from POA to Centroid Target #1:	0.238
The Distance from Centroid Target #2 to Centroid Target #1:	0.243
The Distance from Centroid Target #3 to Centroid Target #1:	0.327
The Distance from Centroid Target #4 to Centroid Target #1:	0.305
The Distance from Centroid Target #5 to Centroid Target #1:	0.195

SERIAL NUMBER: G6414337.__0
TARGET NUMBER: 1
FILE DATE: 12/10/2004
FILE TIME: 19:41

X CENTROID:	-0.030
Y CENTROID:	-0.236
POA TO CENTROID:	0.238
HORZ SPREAD:	1.512
VERT SPREAD:	2.350
GROUP SPREAD:	2.352
MIN RADIUS:	0.235
MAX RADIUS:	1.280
MEAN RADIUS:	0.820
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.880	-1.002
2:	-0.017	-1.516
3:	-0.546	-1.005
4:	0.444	0.772
5:	-0.118	0.834
6:	-0.581	0.525
7:	-0.632	-0.113
8:	-0.358	-0.156
9:	0.189	-0.322
10:	0.439	-0.373

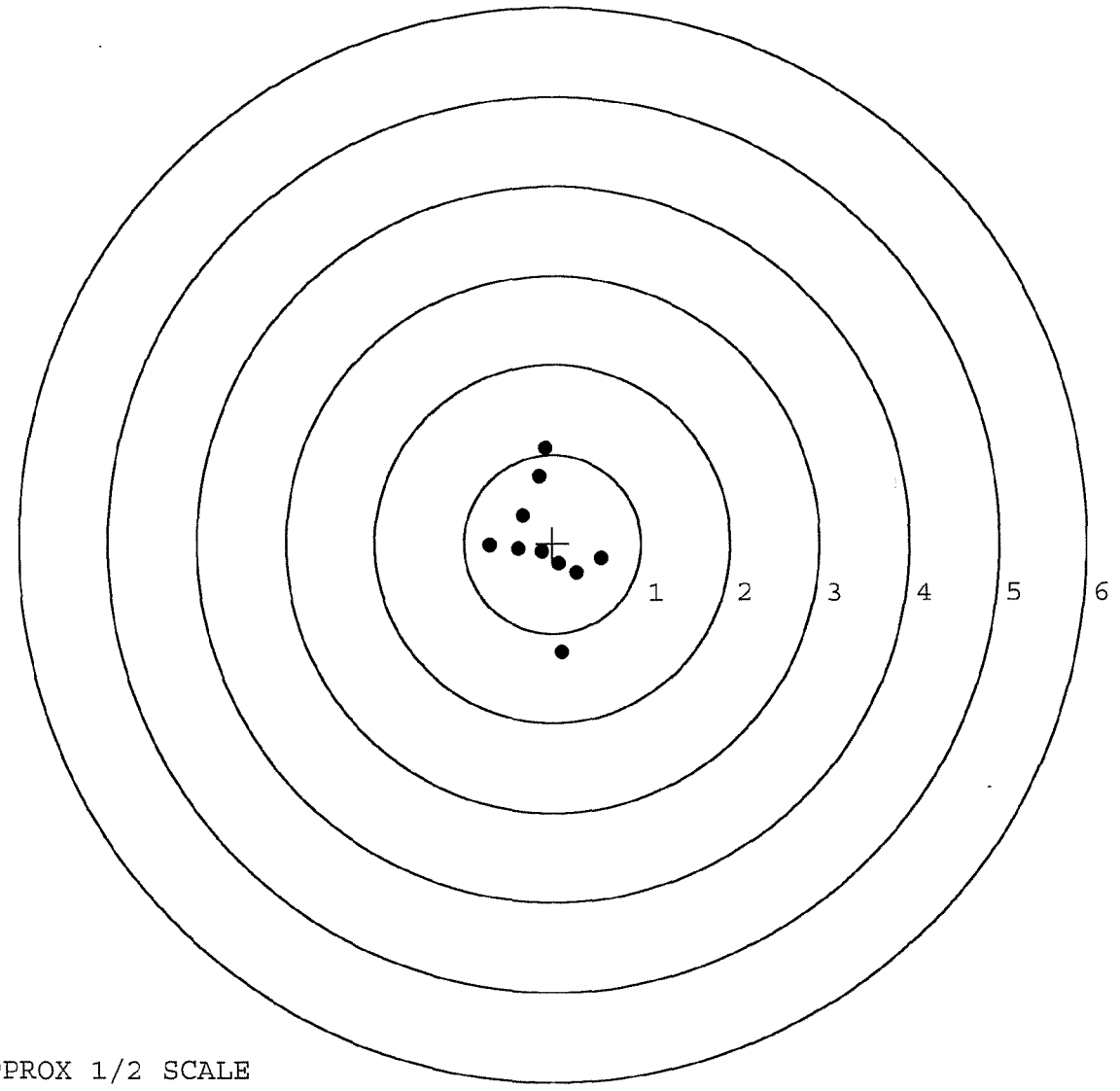


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414337.__0
TARGET NUMBER: 2
FILE DATE: 12/10/2004
FILE TIME: 19:41

X CENTROID:	-0.081
Y CENTROID:	0.002
POA TO CENTROID:	0.081
HORZ SPREAD:	1.263
VERT SPREAD:	2.288
GROUP SPREAD:	2.295
MIN RADIUS:	0.107
MAX RADIUS:	1.235
MEAN RADIUS:	0.593
# IN 1 IN DIAMETER:	5
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.553	-0.165
2:	0.101	-1.219
3:	-0.083	1.069
4:	-0.155	0.758
5:	-0.343	0.315
6:	-0.710	-0.022
7:	-0.389	-0.061
8:	-0.124	-0.095
9:	0.071	-0.229
10:	0.270	-0.327

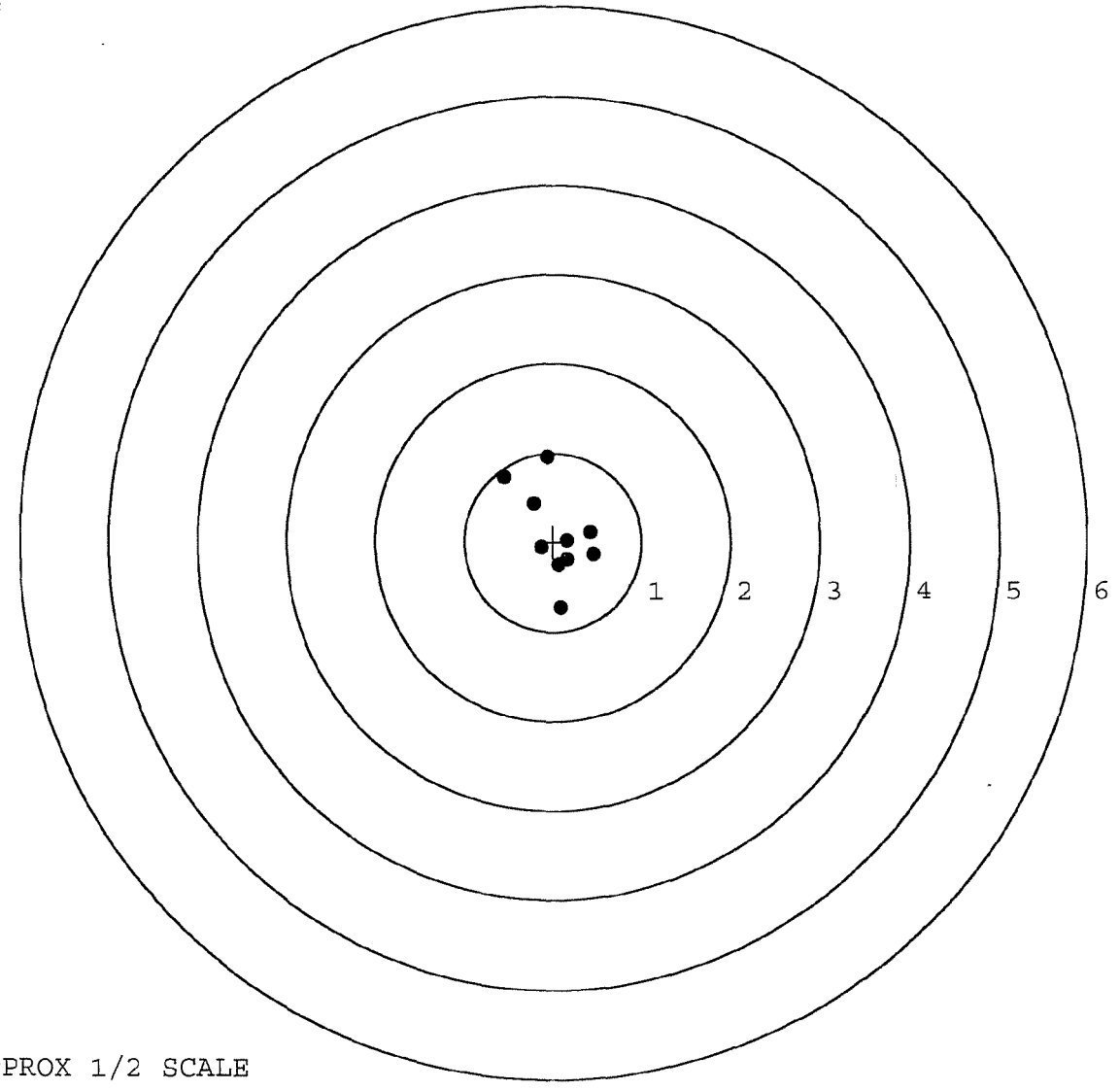


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414337.__0
TARGET NUMBER: 3
FILE DATE: 12/10/2004
FILE TIME: 19:41

X CENTROID:	0.037
Y CENTROID:	0.084
POA TO CENTROID:	0.092
HORZ SPREAD:	1.013
VERT SPREAD:	1.695
GROUP SPREAD:	1.703
MIN RADIUS:	0.137
MAX RADIUS:	0.882
MEAN RADIUS:	0.490
# IN 1 IN DIAMETER:	7
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.092	-0.735
2:	-0.068	0.960
3:	-0.557	0.731
4:	-0.223	0.429
5:	0.425	0.112
6:	0.456	-0.140
7:	0.155	0.015
8:	0.158	-0.201
9:	-0.136	-0.064
10:	0.064	-0.263

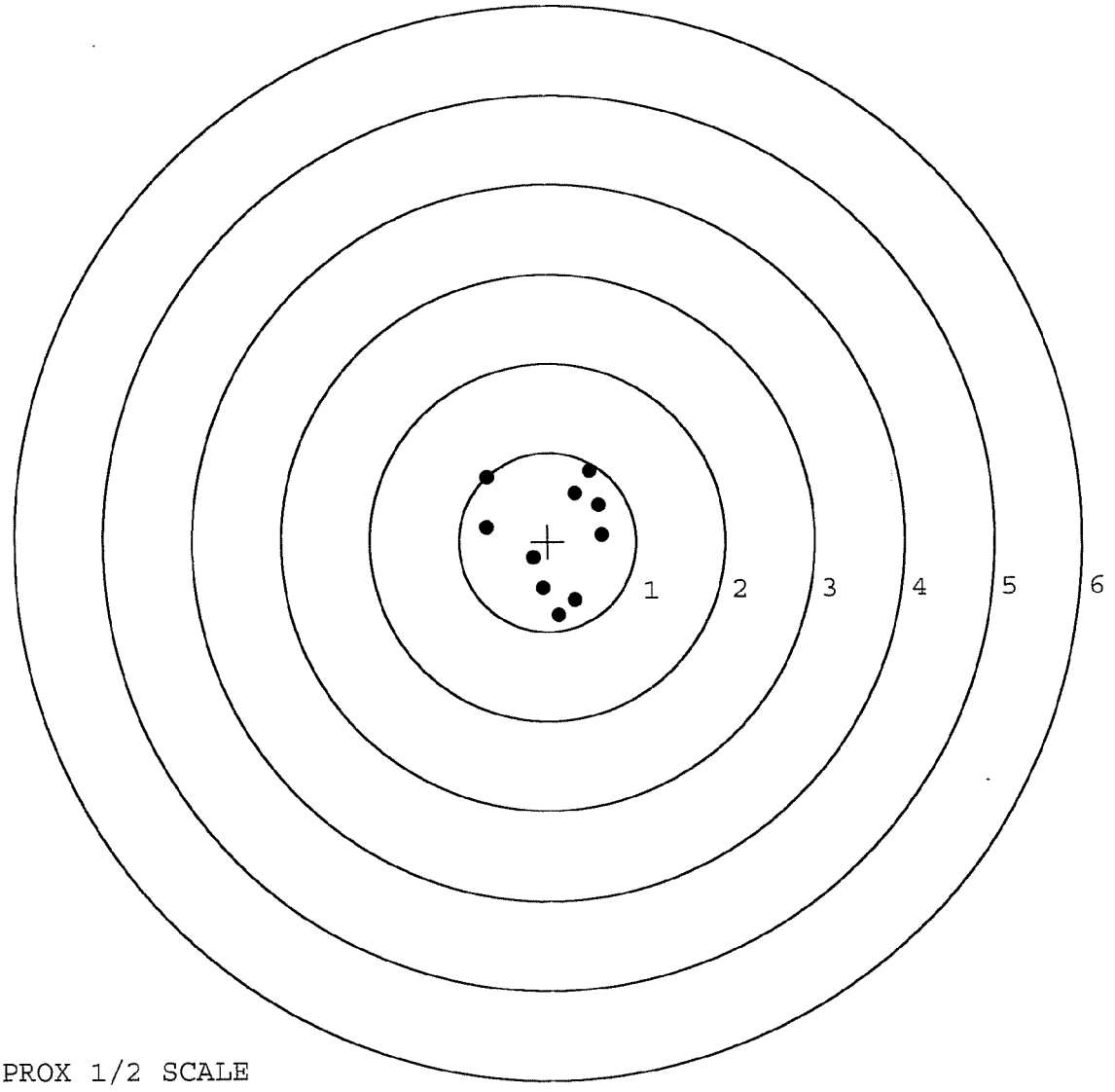


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414337.__0
TARGET NUMBER: 4
FILE DATE: 12/10/2004
FILE TIME: 19:41

X CENTROID:	0.078
Y CENTROID:	0.050
POA TO CENTROID:	0.092
HORZ SPREAD:	1.304
VERT SPREAD:	1.613
GROUP SPREAD:	1.743
MIN RADIUS:	0.341
MAX RADIUS:	1.018
MEAN RADIUS:	0.687
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.611	0.070
2:	0.578	0.406
3:	0.308	0.539
4:	0.478	0.788
5:	-0.685	0.724
6:	-0.693	0.160
7:	-0.171	-0.183
8:	-0.066	-0.526
9:	0.302	-0.654
10:	0.115	-0.825

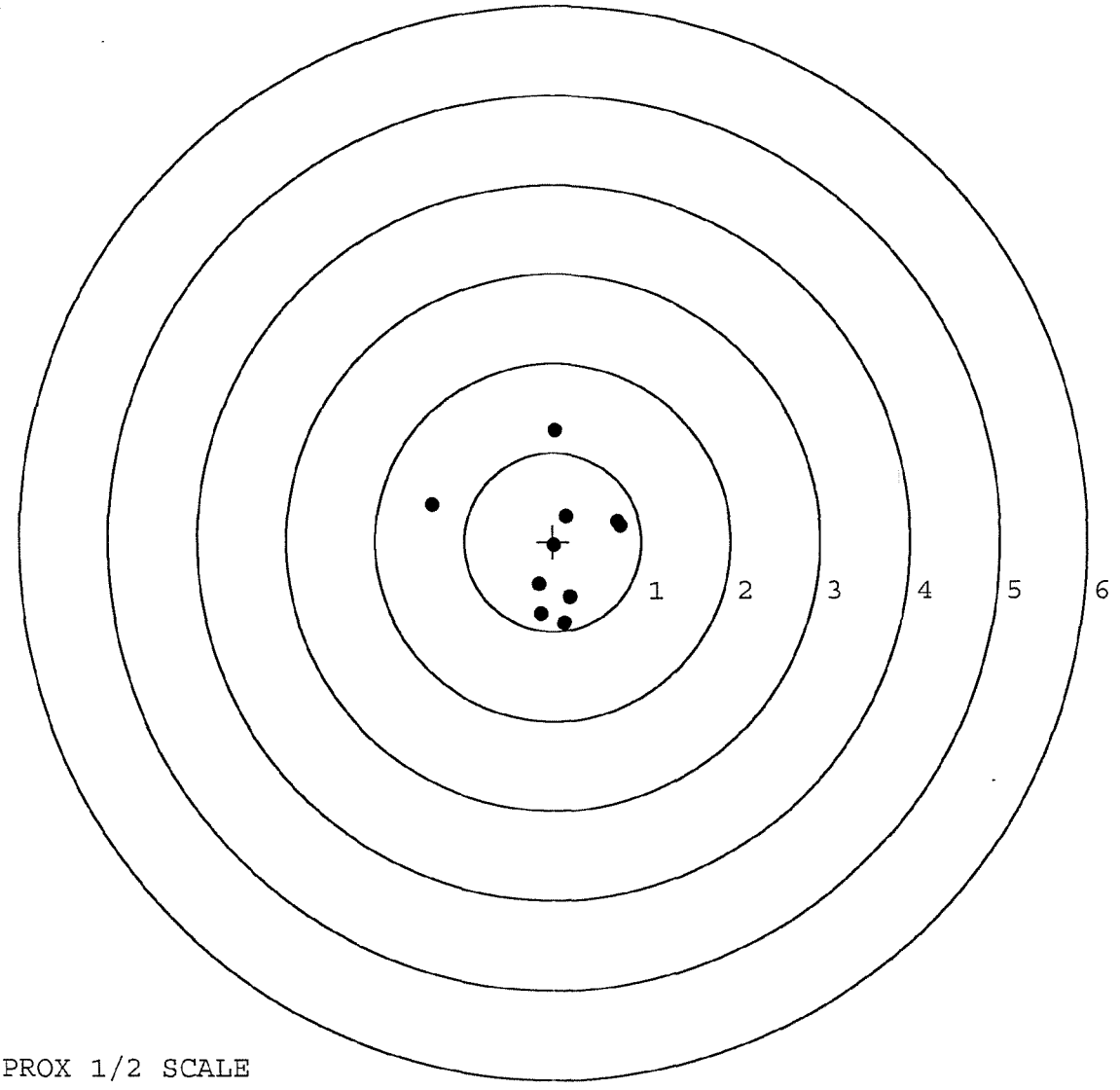


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6414337.__0
TARGET NUMBER: 5
FILE DATE: 12/10/2004
FILE TIME: 19:41

X CENTROID:	0.033
Y CENTROID:	-0.051
POA TO CENTROID:	0.061
HORZ SPREAD:	2.124
VERT SPREAD:	2.171
GROUP SPREAD:	2.136
MIN RADIUS:	0.020
MAX RADIUS:	1.471
MEAN RADIUS:	0.738
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.022	1.253
2:	0.728	0.233
3:	0.760	0.181
4:	0.152	0.284
5:	-1.364	0.410
6:	0.013	-0.046
7:	-0.164	-0.483
8:	0.189	-0.614
9:	0.133	-0.918
10:	-0.144	-0.814



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN INITIAL & CYCLE TESTS
2.50 LBS (plus or minus 0.50 LBS)
3.00 LBS (plus or minus 0.75 LBS)
4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 12-8-04

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.04	2.72		2.79	
PULL #2	2.14	2.87		2.75	
PULL #3	2.46	2.82		2.79	
PULL #4	2.39	2.79		2.81	
PULL #5	2.47	2.79		2.78	
TOTAL	11.50	13.99		13.92	
AVERAGE	2.30	2.79		2.78	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.14		
PULL #2	3.32	3.25		
PULL #3	3.38	3.28		
PULL #4	3.41	3.19		
PULL #5	3.37	3.28		
TOTAL	16.89	16.14		
AVERAGE	3.37	3.22		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.14	3.97		4.19
PULL #2	4.15	4.10		4.16
PULL #3	4.13	4.10		4.23
PULL #4	4.20	4.04		4.25
PULL #5	4.17	4.13		4.25
TOTAL	20.79	20.34		21.08
AVERAGE	4.15	4.06		4.21

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

R & E NUMBER	88172		
SERIAL NUMBER	~~C6225446~~	C6414337	
LOG-IN DATE	11-19-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-24-04	AC
560 A	RE-BARREL	12-1-04	RTL
B	DRILL AND TAP	12-3-04	TRW
575	ASSEMBLE	12-2-04	RTL
600	PROOF	12-2-04	RTL
605	CHECK HEADSPACE	12-2-04	RTL
610	DIS-ASSEMBLE GUN	12-3-04	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	12-3-04	SB
618	ROTO-BLAST	12-6-04	LB
620	APPLY COATINGS	12/7/04	HP
625 A	FINAL ASSEMBLY	12-9-04	RTL
B	TRIGGER PULL TEST	N/A	
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-10-04	TRW
655	FINAL INSPECT	12-13-04	AC
660	PACK	12/13/04	DA
		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 700TH M24
SERIAL NO.
C6225416
ORDER NO.
5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off., Marca Registrada. Marque Deposee.
20
5716 C6225416
UPC
0 47700 25716 7

Scans 0509

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225416

OP. #	OP. NAME	READINGS	DATE	INITIAL
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	pfc.
	Magnaflux Bolt		1-3-89	pfc.
615	Rollmark Caliber		12/22/88	W.D.C.
617	Drill and Tap Sight Holes	1 3	89	FS
618	Polish Barrel	12 2	88	WJT
620	Apply Coatings (Barrel Action)		1-10-89	TSR
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/19/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/19/89	RW
	C) Inspect Ejector Hole for Chamfer		1/19/89	RW
	D) Oil Firing Pin Ass'y		1/19/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		19 Jan 89	RSS

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	5	5	5			25 Jan 89	[illegible]
	G) Safety Off Force	3	3	3			25 Jan 89	[illegible]
	H) Trigger Pull Test & Retainability						19 Jan 89	[illegible]
	I) Firing Pin Indent	.022	.0215	.0215			25 Jan 89	[illegible]
	J) Assemble Stock						1/26/89	[illegible]
	K) Assemble Swivel Studs						31 Jan 89	[illegible]
	L) Attach Front and Rear Sight Assemblies						1/26/89	[illegible]
	M) Iron Sight Alignment						1/26/89	[illegible]
	N) Detach Front & Rear Sights & place in numbered container						1/26/89	[illegible]
	O) Attach Scope to Rifle						1/26/89	[illegible]
	P) Detach & Attach Scope 20 Times						1/26/89	[illegible]
640	Gallery Target & Test	63 @ 89L					1-27-89	AC
	A) Time						1-27-89	
	B) Malfunctions	NONE					"	AC
	C) Pierced Primers	NONE					"	AC
	D) Optical Clearity of Scope	OK					1-27-89	AC
645	Inspect for Live Ammo	NONE					"	AC
655	Final Inspection A) Headspace						31 Jan 89	[illegible]
	B) Trigger Pull	2.63	2.58	2.56	2.67	2.62	31 Jan 89	[illegible]
	C) Function						31 Jan 89	[illegible]
660	Pack						2/1/89	[illegible]

SWS TRIGGER PULL TEST

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

SERIAL NO. 3416
DATE 3-31-90
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.34		2.38	MIN. SETTING,
PULL #2	2.34	2.36		2.38	NO AVG. OF 5
PULL #3	2.36	2.36		2.33	READINGS ACCEPT-
PULL #4	2.35	2.36		2.34	ABLE LESS THAN 2#
PULL #5	2.35	2.34		2.36	
TOTAL	11.80	11.81		11.79	
AVG.	2.36	2.362		2.358	

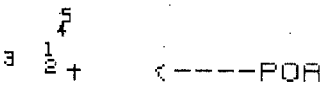
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.48	3.29		
PULL #2	3.36	3.33		
PULL #3	3.38	3.27		
PULL #4	3.37	3.39		
PULL #5	3.38	3.43		
TOTAL	16.97	16.71		
AVG.	3.394	3.342		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.46	4.48		
PULL #2	4.47	4.43		
PULL #3	4.45	4.46		
PULL #4	4.40	4.44		
PULL #5	4.49	4.46		
TOTAL	22.25	22.27		
AVG.	4.45	4.454		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225416
2 Feb 1989

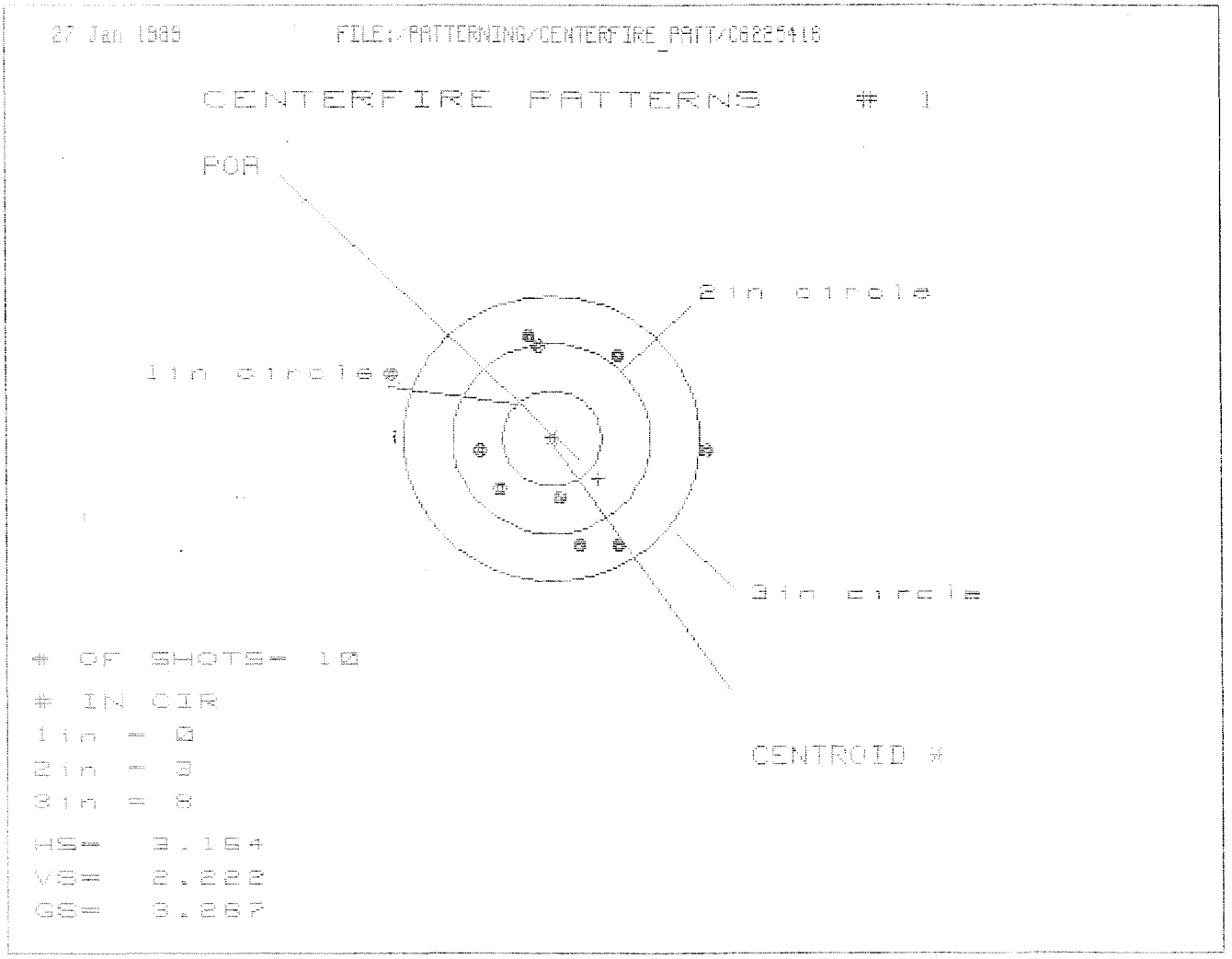
CENTROIDAL DISTANCES

Ø	TO	1	.63232
1	TO	2	.341492
1	TO	3	.728929
1	TO	4	.409816
1	TO	5	.683937



THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4798
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5014
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .693981

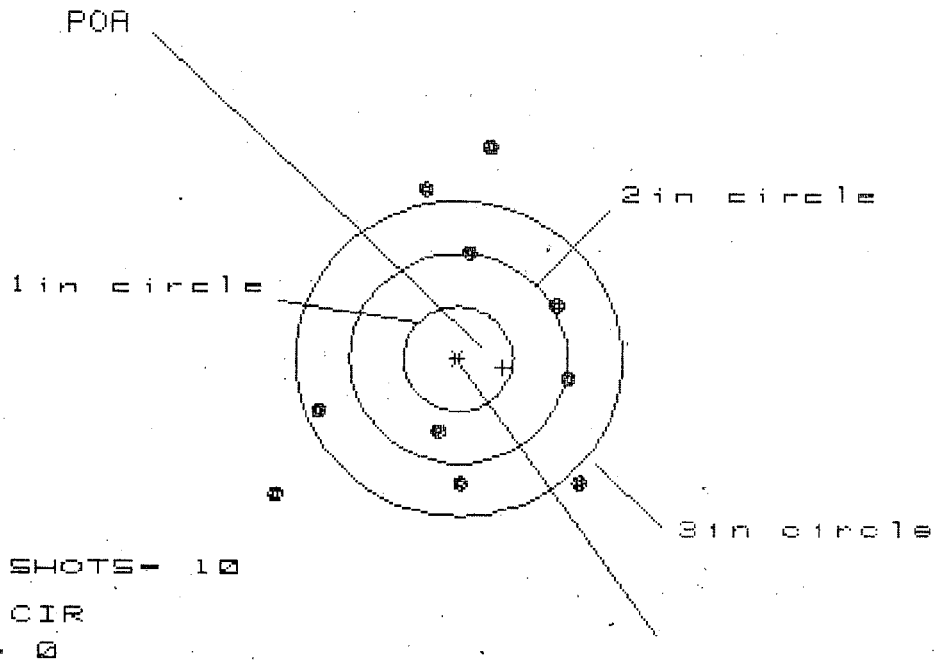
THE AMR FOR THIS RIFLE IS: 1.07



PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.560	1.381	.675
MINIMUM X	:	-1.604	-.925	-.752
MAXIMUM Y	:	1.099	1.179	1.176
MINIMUM Y	:	-1.123	-1.043	-1.046
CENTROID X	:	-.470	-.291	-.464
CENTROID Y	:	.423	.343	.346
POA TO CENTROID in.	:	.633	.450	.579
MIN RADIUS	:	.610	.553	.583
MEAN RADIUS	:	1.112	1.035	.967
MAX RADIUS	:	1.755	1.381	1.245
HORIZONTAL SPREAD	:	3.164	2.306	1.427
VERTICAL SPREAD	:	2.222	2.222	2.232
EXTREME SPREAD	:	3.267	2.405	2.405
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

27 Jan 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225416

CENTERFIRE PATTERNS # 2

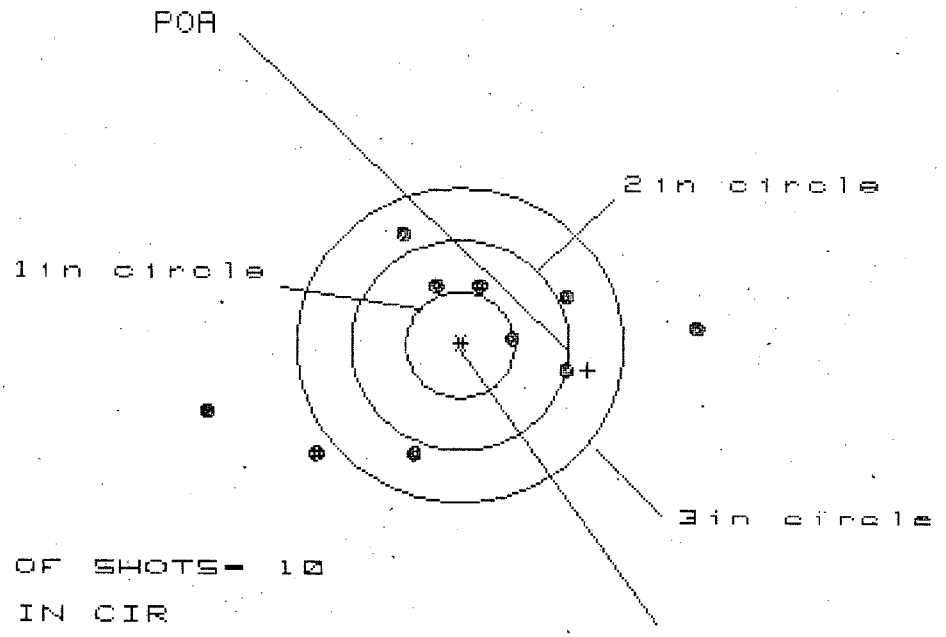


# OF SHOTS= 10
# IN CIR
1in = 0
2in = 4
3in = 6
HS= 2.763
VS= 3.312
GS= 3.845

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.116	.933	.949
MINIMUM X	:	-1.647	-1.477	-1.461
MAXIMUM Y	:	2.022	1.878	1.665
MINIMUM Y	:	-1.290	-1.357	-1.122
CENTROID X	:	-.409	-.226	-.242
CENTROID Y	:	.087	.231	-.004
POA TO CENTROID in.	:	.419	.323	.242
MIN RADIUS	:	.755	.759	.740
MEAN RADIUS	:	1.367	1.263	1.166
MAX RADIUS	:	2.092	1.882	1.729
HORIZONTAL SPREAD	:	2.763	2.410	2.410
VERTICAL SPREAD	:	3.312	3.235	2.787
EXTREME SPREAD	:	3.845	3.301	3.095
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

27 Jan 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225416

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

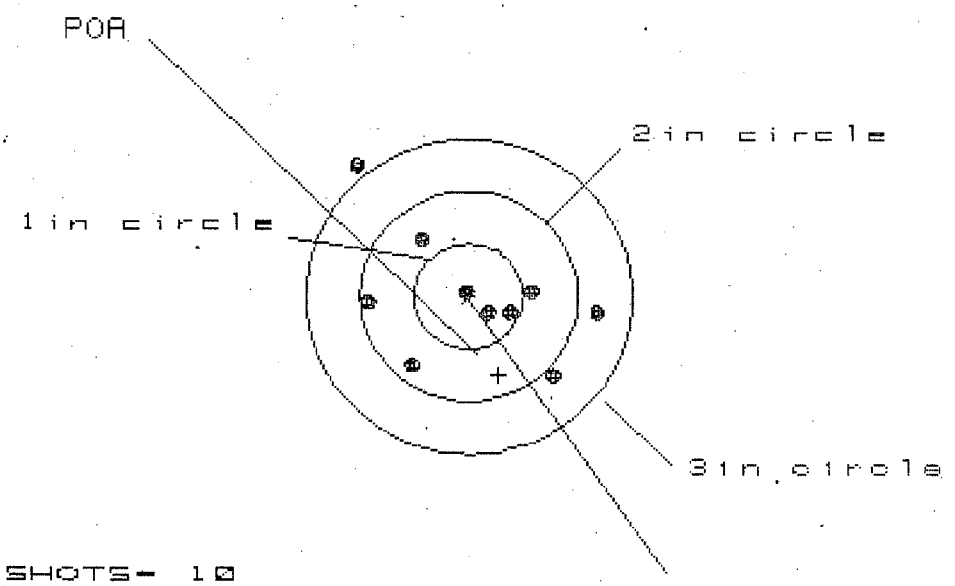
# IN CIR
1in = 0
2in = 4
3in = 7

HS= 4.471
VS= 2.087
GS= 4.546

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.171	1.916	.959
MINIMUM X	:	-2.300	-1.609	-1.370
MAXIMUM Y	:	1.069	.999	1.016
MINIMUM Y	:	-1.018	-1.088	-1.071
CENTROID X	:	-1.174	-.919	-1.158
CENTROID Y	:	.234	.304	.287
POA TO CENTROID in.	:	1.197	.968	1.193
MIN RADIUS	:	.509	.246	.486
MEAN RADIUS	:	1.221	1.035	.943
MAX RADIUS	:	2.382	1.942	1.739
HORIZONTAL SPREAD	:	4.471	3.525	2.329
VERTICAL SPREAD	:	2.087	2.087	2.087
EXTREME SPREAD	:	4.546	3.730	2.730
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

27 Jan 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225416

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

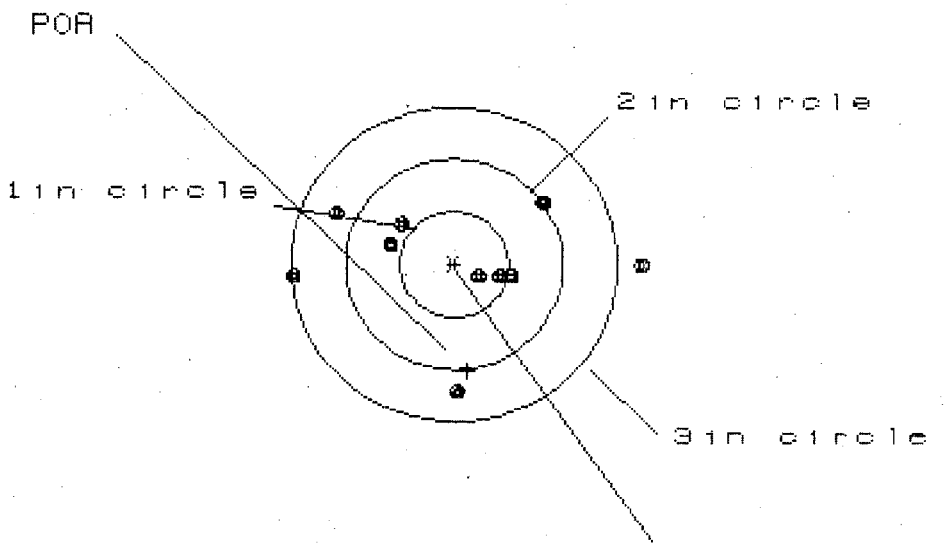
# IN CIR
1in = 3
2in = 7
3in = 9

HS= 2.156
VS= 1.942
GS= 2.649

PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.132	1.018	.790
MINIMUM X	:	-1.024	-1.011	-.883
MAXIMUM Y	:	1.206	.711	.709
MINIMUM Y	:	-.736	-.602	-.604
CENTROID X	:	-.277	-.163	-.290
CENTROID Y	:	.753	.619	.621
POA TO CENTROID in.	:	.802	.640	.685
MIN RADIUS	:	.057	.037	.153
MEAN RADIUS	:	.743	.624	.588
MAX RADIUS	:	1.582	1.018	.995
HORIZONTAL SPREAD	:	2.156	2.029	1.674
VERTICAL SPREAD	:	1.942	1.313	1.313
EXTREME SPREAD	:	2.649	2.031	1.804
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

27 Jan 1989 FILE:/PATTERNING/CENTERFIRE_PATT/C6225416

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 3.234

VS= 1.805

GS= 3.236

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.738	1.037	.874
MINIMUM X	:	-1.496	-1.303	-1.080
MAXIMUM Y	:	.622	.620	.602
MINIMUM Y	:	-1.183	-1.185	-1.203
CENTROID X	:	-.119	-.312	-.149
CENTROID Y	:	1.010	1.012	1.030
POA TO CENTROID in.	:	1.017	1.059	1.040
MIN RADIUS	:	.253	.425	.289
MEAN RADIUS	:	.908	.822	.734
MAX RADIUS	:	1.738	1.310	1.204
HORIZONTAL SPREAD	:	3.234	2.340	1.954
VERTICAL SPREAD	:	1.805	1.805	1.805
EXTREME SPREAD	:	3.236	2.459	2.000
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225416

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		8/3/92	RW
600	Proof		8/3/92	RW
607	Check Headspace		8/3/92	RW
610	Dis-assemble Gun		8/3/92	RW
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			
	G) Safety Off Force			
	H) Trigger Pull Test & Retainability			
	I) Firing Pin Indent			
	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		8-11-92	DH
	A) Time		8-11-92	DH
	B) Malfunctions		8-11-92	DH
	C) Pierced Primers		8-11-92	DH
	D) Optical Clearity of Scope		8-11-92	DH
645	Inspect for Live Ammo		9-11-92	DH
655	Final Inspection A) Headspace		8/11/92	RW
	B) Trigger Pull	2.31 | 2.24 | 2.27 | 2.38 | 2.30	8/11/92	RW
	C) Function		8/11/92	RW
660	Pack			

MAINTENANCE REQUEST

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

PAGE NO.	NO. OF PAGES	REQUIREMENTS CONTROL SYMBOL
		CSGLD - 1047(R1)

SECTION I - EQUIPMENT DATA

CONTROL NUMBER	WORK ORDER NO.	WESDC	ORG. PD	PD AUTHENTICATION

☐ Work Request
☐ MWO
☒ Warranty Claim

1A. ORGANIZATION	B. LOCATION	C. UNIT IDENT CODE
D. Co 782d Mt Bn	Ft Bragg N.C. 28307-5000	WA BYDD

2. SERIAL NO.	3. NOUN NOMENCLATURE	4. LINE NO.	5. MODEL	6. NATIONAL STOCK NUMBER
-G6225416	Sniper Rifle 7.62mm		M24	1005-01-240-2136

7A. MAINTENANCE ACTIVITY	B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS
Remington Arms	D								

14. FAILURE DETECTED DURING *(Select one - use ✓ or X)*

☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight
☐ B Handling ☐ D Normal Op ☐ F Inspection ☐ H Other

15. FIRST INDICATION OF TROUBLE *(Select one - use ✓ or X)*

☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment
☐ 008 Noisy ☐ 387 Low Performance ☐ Other

16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM *(Do not prescribe repairs).*

Chamber Worn

B. REMARKS

SECTION II - WORK ACCOMPLISHED

17A. REPAIR ORGANIZATION/ACTIVITY	C. UNIT IDENT. CODE	18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK *(Select one - use ✓ or X)*	19. AMS ACCT. CODE
B. LOCATION		☐ 1 TOE ☐ 2 TD ☐ 3 Contractor	

20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO. (1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE	D. MANHOURS *(Hrs. & tenths)*	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE	G. QTY.	H. PARTS COST
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$
					.				$

I. TOTAL MANHOURS	J. TOTAL MANHOURS COST	K. TOTAL PARTS COST
	$	$

21. DELAY *(Select One)* ☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools

22. ☐ Data Transcribed

23. SUBMITTED BY	24. RECEIVED BY	25. WORK STARTED BY	26. INSPECTED BY	27. ACCEPTED BY
JULIAN DATE 292	JULIAN DATE	JULIAN DATE	JULIAN DATE	JULIAN DATE

28. DISPOSITION *(Select One)*

☐ A To User ☐ D Evacuated
☐ B To Stock ☐ E Cannibalization
☐ C Salvaged

DA FORM 2407, AUG 88 EDITION OF MAY 81 MAY BE USED NMP COPY 2

RECEIVING AND ESTIMATING REPORT

COMMENTS: M-24 SNIPER

ORDER R 92-14795

INITIAL	CUSTOMER ORDER NO.
JJM	

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
07/21/92	07/21/92	BJ 1-89	C6225416		700 7.62 NATO

ACCESSORIES: W/STUDS HARD CASE SCOPE BASE

FROM:

D CO 782ND MAINTANCE BA
FORT BRAGG NC 28307

SHIP TO:

D CO 782ND MAINTANCE BA
FORT BRAGG NC
28307

CUST NO:045582 C.O.D.

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA
		CLEAN/TEST			UPS

GUN CONDITION

- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE	
EXCISE	
TAX	
INSURANCE	
UPS	
PARCEL POST	
TOTAL	

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS	COMMENTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

OFFICE COPY

RD6925 REV. 1/92

EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET

For use of this form, see TM 38-750; the proponent agency is the Office of the Deputy Chief of Staff for Logistics.

1. ORGANIZATION	2. NOMENCLATURE AND MODEL					
D Co 782d M+Br	Rifle (Sniper) 7.62mm M24					
3. ~~REGISTRATION~~/SERIAL/~~NSN~~	4a. MILES	b. HOURS	c. ROUNDS FIRED	d. HOT STARTS	5. DATE	6. TYPE INSPECTION
C622546					7 July 92	T/E

7. APPLICABLE REFERENCE			
TM NUMBER	TM DATE	TM NUMBER	TM DATE

COLUMN a — Enter TM item number.

COLUMN b — Enter the applicable condition status symbol.

COLUMN c — Enter deficiencies and shortcomings.

COLUMN d — Show corrective action for deficiency or shortcoming listed in Column c.

COLUMN e — Individual ascertaining completed corrective action initial in this column.

STATUS SYMBOLS

"X"—Indicates a deficiency in the equipment that places it in an inoperable status.

CIRCLED "X"—Indicates a deficiency, however, the equipment may be operated under specific limitations as directed by higher authority or as prescribed locally, until corrective action can be accomplished.

HORIZONTAL DASH "(-)"—Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due but has not been accomplished, or an overdue MWO has not been accomplished.

DIAGONAL "(/)"—Indicates a materiel defect other than a deficiency which must be corrected to increase efficiency or to make the item completely serviceable.

LAST NAME INITIAL IN BLACK, BLUE-BLACK INK, OR PENCIL-Indicates that a completely satisfactory condition exists.

FOR AIRCRAFT-Status symbols will be recorded in red.

ALL INSPECTIONS AND EQUIPMENT CONDITIONS RECORDED ON THIS FORM HAVE BEEN DETERMINED IN ACCORDANCE WITH DIAGNOSTIC PROCEDURES AND STANDARDS IN THE TM CITED HEREON.

8a. SIGNATURE *(Person(s) performing inspection)*	8b. TIME	9a. SIGNATURE *(Maintenance Supervisor)*	9b. TIME	10. MANHOURS REQUIRED
SSG				

TM ITEM NO. a	STATUS b	DEFICIENCIES AND SHORTCOMINGS c	CORRECTIVE ACTION d	INITIAL WHEN CORRECTED e
	X	Worn Chamber		
		Ser# C622546		

DA FORM 2404 1 APR 79

Replaces edition of 1 Jan 64, which will be used

TM ITEM NO. *a*	STATUS *b*	DEFICIENCIES AND SHORTCOMINGS *c*	CORRECTIVE ACTION *d*	INITIAL WHEN CORRECTED *e*

GPO : 1983 O - 409-150

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6[illegible]25416
1[illegible] [illegible] 1992

[illegible]IDAL DISTANCES

[illegible]	[illegible]	1	.30[illegible]033
[illegible]	[illegible]	2	.301955
[illegible]	[illegible]	3	.518322
[illegible]	[illegible]	4	.58468[illegible]
[illegible]	[illegible]	5	.0903549

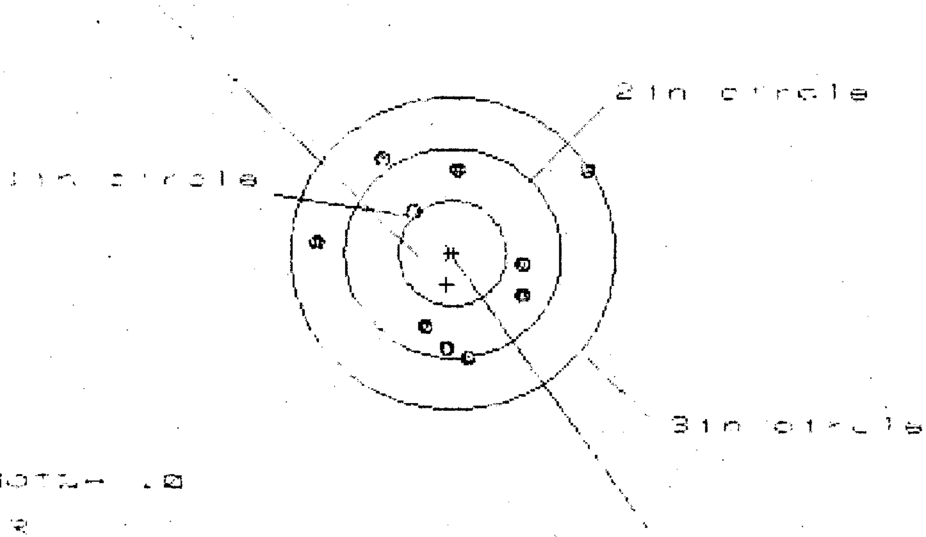
----POA

[illegible] AVERAGE [illegible]ORDINATE FOR THIS RIFLE IS: .349[illegible]
[illegible] AVERAGE [illegible]ORDINATE [illegible] THIS RIFLE IS: .05[illegible]
[illegible] AVERAGE [illegible] RADIUS FOR THIS RIFLE IS: .0731[illegible]
[illegible] FOR THIS RIFLE IS: 1.024

1 Aug 1992 FILE:/PATTERNING/CENTERFIRE_PATT/C6235416

CENTERFIRE PATTERNS # 1

F A

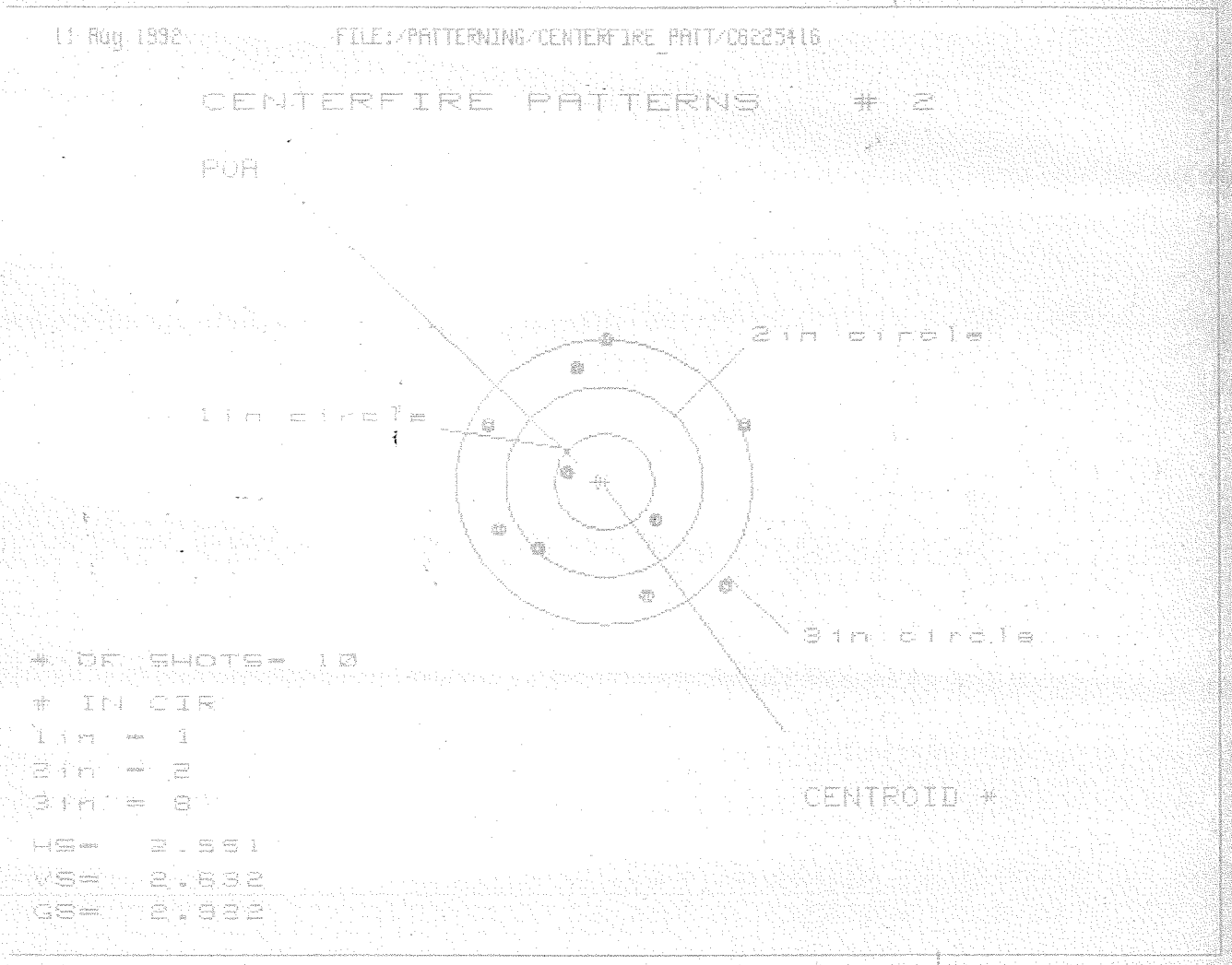


CENTROID *

OF SHOTS= 10
IN CIR
1 in = 0
2 in = 7
3 in = 10
HS= 2.449
VS= 1.843
ES= 2.538

PATTERN #	:	[redacted]		
SHOTS BEST OF	:	10	9	8
MAXIMUM X	:	1.209	.806	.667
MINIMUM X	:	-1.240	-1.105	-.671
MAXIMUM Y	:	.889	.972	.994
MINIMUM Y	:	-.955	-.871	-.849
CENTROID X	:	.055	-.080	.059
CENTROID Y	:	.298	.214	.192
AIM TO CENTROID (IN.)	:	.303	.228	.200
MIN RADIUS	:	.515	.513	.601
MEAN RADIUS	:	.899	.832	.780
MAX RADIUS	:	1.427	1.119	1.200
HORIZONTAL SPREAD	:	2.449	1.911	1.339
VERTICAL SPREAD	:	1.843	1.843	1.843
EXTREME SPREAD	:	2.538	2.004	2.004

NUMBER IN ONE INCH CIRCLE = 0
NUMBER IN TWO INCH CIRCLE = 7
NUMBER IN THREE INCH CIRCLE = 10

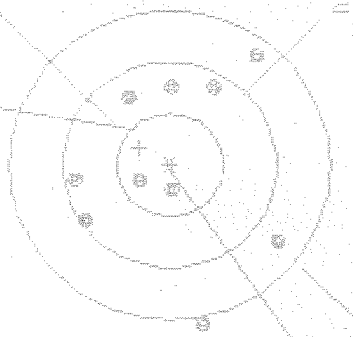


PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.385	1.523	.826
MINIMUM X	:	-1.166	-1.028	-.838
MAXIMUM Y	:	1.484	1.361	1.420
MINIMUM Y	:	-1.148	-1.271	-1.212
CENTROID X	:	.079	-.059	-.249
CENTROID Y	:	-.003	.120	.061
POA TO CENTROID in.	:	.079	.134	.257
MIN RADIUS	:	.434	.282	.104
MEAN RADIUS	:	1.166	1.090	.983
MAX RADIUS	:	1.662	1.595	1.467
HORIZONTAL SPREAD	:	2.551	2.551	1.664
VERTICAL SPREAD	:	2.632	2.632	2.632
EXTREME SPREAD	:	2.922	2.673	2.666
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		8	

01 Aug 1992 FILE:/PATTERNING/CENTERFIRE_PATT/CS225416

CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

# IN CIR	
1in =	2
2in =	7
3in =	9

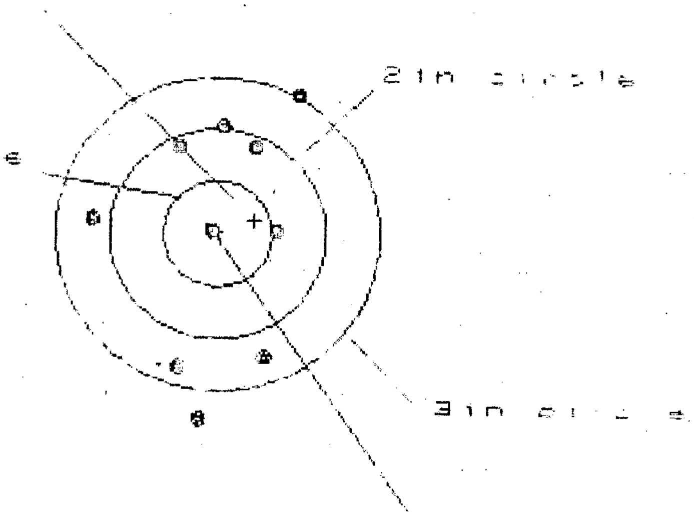
HS=	1.931
VS=	2.660
SS=	2.697

PATTERN #	:	[illegible]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.005	1.042	1.144
MINIMUM X	:	-.926	-.889	-.787
MAXIMUM Y	:	1.105	.932	.780
MINIMUM Y	:	-1.555	-.877	-.760
CENTROID X	:	.288	.251	.149
CENTROID Y	:	-.165	.008	-.109
POA TO CENTROID in.	:	.332	.251	.185
MIN RADIUS	:	.248	.404	.251
MEAN RADIUS	:	.897	.804	.727
MAX RADIUS	:	1.591	1.362	1.373
HORIZONTAL SPREAD	:	1.931	1.931	1.931
VERTICAL SPREAD	:	2.660	1.809	1.460
EXTREME SPREAD	:	2.697	2.252	2.022
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

11 Aug 1982 FILE:/PATTERNING/CENTERFIRE_PATT/C6225416

CENTERFIRE PATTERNS # 4

HOA



\# OF SHOTS= 10

\# IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 1.896

VS= 3.070

ES= 3.216

PATTERN # : [redacted]

SHOTS - BEST OF	:	10	9	8
MAXIMUM X	:	.765	.744	.612
MINIMUM X	:	-1.131	-1.152	-1.059
MAXIMUM Y	:	1.312	1.116	1.015
MINIMUM Y	:	-1.758	-1.504	-1.504
CENTROID X	:	-.339	-.318	-.411
CENTROID Y	:	-.134	.062	-.078
POA TO CENTROID in.	:	.365	.324	.415
MIN RADIUS	:	.064	.140	[illegible]
MEAN RADIUS	:	1.046	.938	.841
MAX RADIUS	:	1.769	1.560	1.402
HORIZONTAL SPREAD	:	1.896	1.896	1.271
VERTICAL SPREAD	:	3.070	2.620	2.379
EXTREME SPREAD	:	3.216	2.866	2.413

NUMBER IN ONE INCH CIRCLE = 1

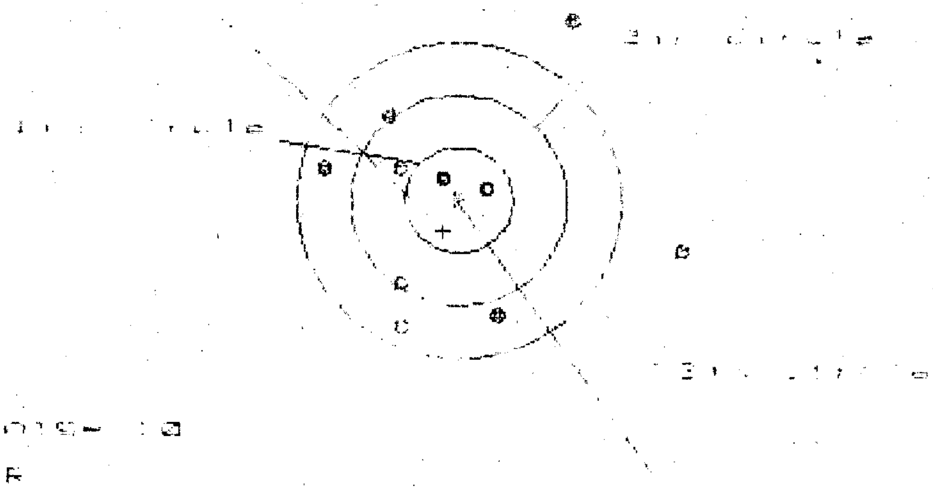
NUMBER IN TWO INCH CIRCLE = 4

NUMBER IN THREE INCH CIRCLE = 8

11 Aug 1992 FILE: PATTERNING CENTERFIRE PATT

CENTERFIRE PATTERNS # 5

FOR



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

CENTROID +

H= 3.248

V= 2.908

E= 3.351

PATTERN #	:	[redacted]		
NUMBER (BEST OF)	:	10	9	8
MAXIMUM X	:	2.006	1.239	.756
MINIMUM X	:	-1.242	-1.019	-.258
MAXIMUM Y	:	1.750	1.672	[illegible]
MINIMUM Y	:	-1.178	-1.236	[illegible]
CENTROID X	:	.145	-.078	[illegible]
CENTROID Y	:	.290	.349	.124
... TO CENTROID in.	:	.325	.357	.271
MIN RADIUS	:	.311	.198	.447
MEAN RADIUS	:	1.111	.956	[illegible]
MAX RADIUS	:	2.072	2.081	[illegible]
HORIZONTAL SPREAD	:	3.248	2.258	1.621
VERTICAL SPREAD	:	2.908	2.908	[illegible]
EXTREME SPREAD	:	3.351	3.297	2.195

NUMBER IN ONE INCH CIRCLE = 2

NUMBER IN TWO INCH CIRCLE = 4

NUMBER IN THREE INCH CIRCLE = 8

RECEIVING AND ESTIMATING REPORT

COMMENTS: WOG 3 OF 3
M-24

ORDER: R 99-06375

INITIAL	CUSTOMER ORDER NO.
RLP	

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
02/27/99	03/06/99	OM 7-92	C6225416		700 7.62 NATO

ACCESSORIES: W/STUDS SCOPE BASE HARD CASE

FROM:

DEPT OF THE ARMY
ATTN. SSG MERRIMAN
HHC 2ND 504 P I R
FORT BRAGG NC 28307

SHIP TO:

DEPT OF THE ARMY
ATTN. SSG MERRIMAN
HHC 2ND 504 P I R
FORT BRAGG NC
28307

CUST NO: 206661 C.O.D.

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA
					UPS

GUN CONDITION
- ☐ NEW
- ☐ LIGHTLY WORN
- ☐ WORN
- ☐ VERY WORN
- ☐ UNREPAIRABLE
- ☐ MARRED

REPAIR CHARGE	
EXCISE	
TAX	
INSURANCE	
UPS	
PARCEL POST	
TOTAL	

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS

Barrel - 96001
Stock - 96018

COMMENTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW	✓	✓	✓	✓	
GALLERY TESTER	**DATE**	**DATE**	**DATE**	**DATE**	**DATE**
RW			4-20-99	4-20-99	

WITH GUN

RD6925 REV. 7/97

Remington Test Lab, Ilion, N.Y.

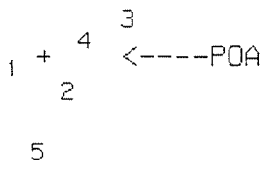
Centroidal distance calculations for Rifle # c6225416
22 Apr 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1428
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1208
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .187041

THE AMR FOR THIS RIFLE IS: 1.178

CENTROIDAL DISTANCES

0	TO	1	.23658
1	TO	2	.408545
1	TO	3	.84839
1	TO	4	.520485
1	TO	5	.592332

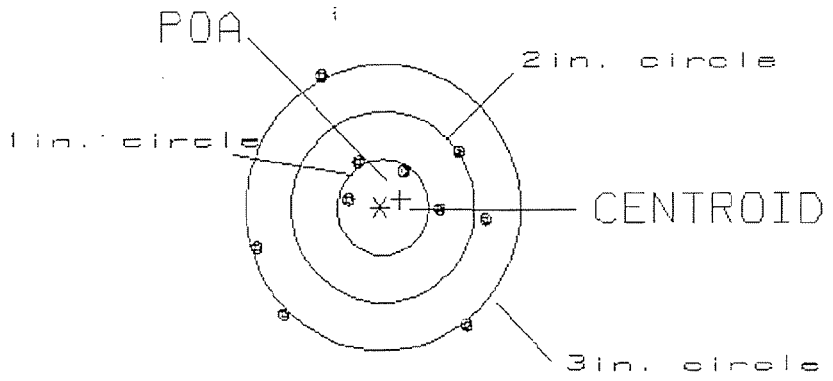


REMINGTON CENTERFIRE ACCURACY TEST REMINGTON TEST LAB, ILION, N.Y.

PATTERN #:		1
POA TO CENTROID:		.237
MIN RADIUS	:	.354
MEAN RADIUS	:	1.006
MAX RADIUS	:	1.574
CENTROID X	:	-.223
CENTROID Y	:	-.079

22 Apr 1999 FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225416

CENTERFIRE PATTERN # 1



# OF SHOTS= 10	# IN CIRCLE
HS= 2.46	2
VS= 2.63	5
GS= 3.07	7

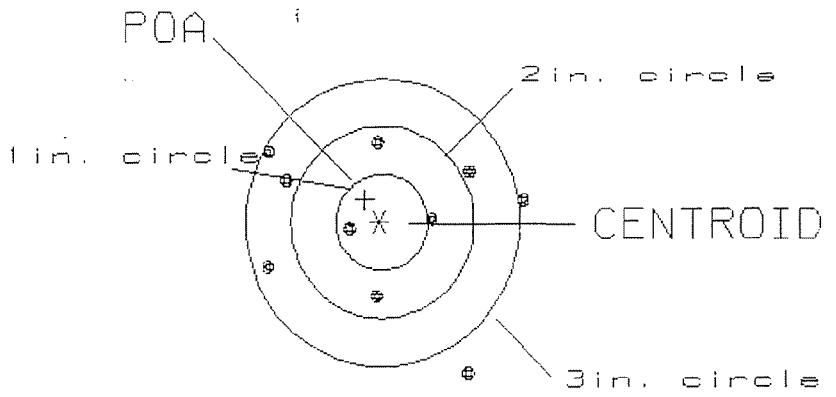
REMINGTON CENTERFIRE ACCURACY TEST REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 2

POA TO CENTROID:	.281
MIN RADIUS :	.318
MEAN RADIUS :	1.093
MAX RADIUS :	1.784
CENTROID X :	.155
CENTROID Y :	-.234

22 Apr 1999 FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225416

CENTERFIRE PATTERN # 2



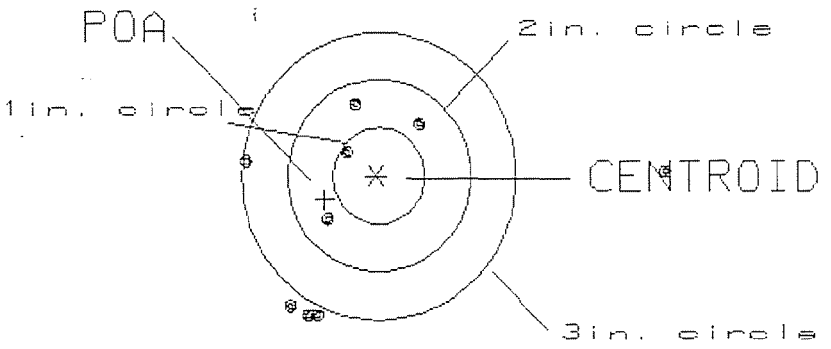
# OF SHOTS= 10	# IN CIRCLE
HS= 2.81	1
VS= 2.41	4
GS= 3.14	8

REMINGTON CENTERFIRE ACCURACY TEST REMINGTON TEST LAB, ILION, N.Y.

PATTERN #:		3
POA TO CENTROID:		.612
MIN RADIUS	:	.457
MEAN RADIUS	:	1.549
MAX RADIUS	:	3.343
CENTROID X	:	.559
CENTROID Y	:	.250

22 Apr 1999 FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225416

CENTERFIRE PATTERN # 3



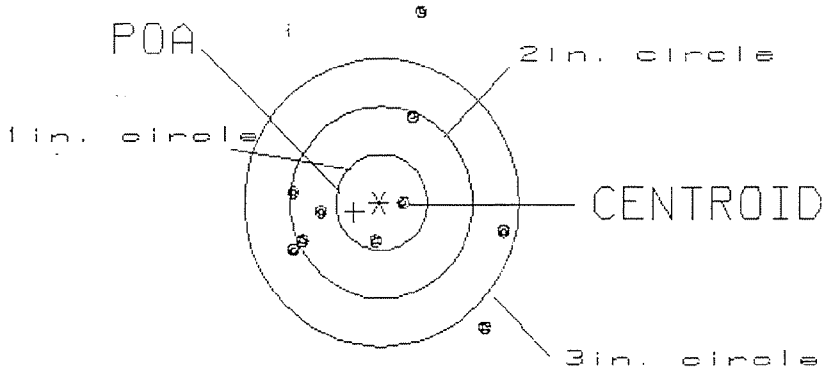
# OF SHOTS= 10	# IN CIRCLE
HS= 4.59	1
VS= 4.45	4
GS= 4.97	5

REMINGTON CENTERFIRE ACCURACY TEST REMINGTON TEST LAB, ILION, N.Y.

PATTERN #:	4	
POA TO CENTROID:		.284
MIN RADIUS	:	.284
MEAN RADIUS	:	1.052
MAX RADIUS	:	2.060
CENTROID X	:	.265
CENTROID Y	:	.102

22 Apr 1999 FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225416

CENTERFIRE PATTERN # 4



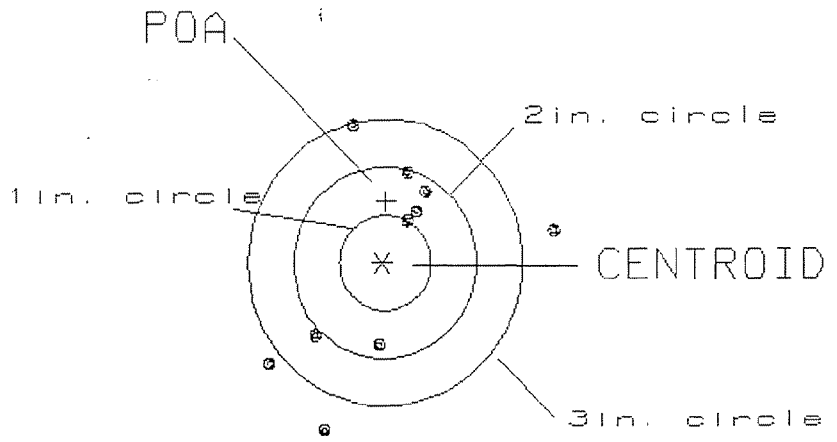
# OF SHOTS= 10	# IN CIRCLE
HS= 2.32	2
VS= 3.33	6
GS= 3.39	8

REMINGTON CENTERFIRE ACCURACY TEST REMINGTON TEST LAB, ILION, N.Y.

PATTERN #:	□ 5 □	
POA TO CENTROID:		.644
MIN RADIUS	:	.455
MEAN RADIUS	:	1.191
MAX RADIUS	:	1.920
CENTROID X	:	-.042
CENTROID Y	:	-.643

22 Apr 1999 FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225416

CENTERFIRE PATTERN # 5



# OF SHOTS= 10	# IN CIRCLE
HS= 3.10	1
VS= 3.26	4
GS= 3.40	6