C661457

MODEL 700™ M24

Model SWS™

Action

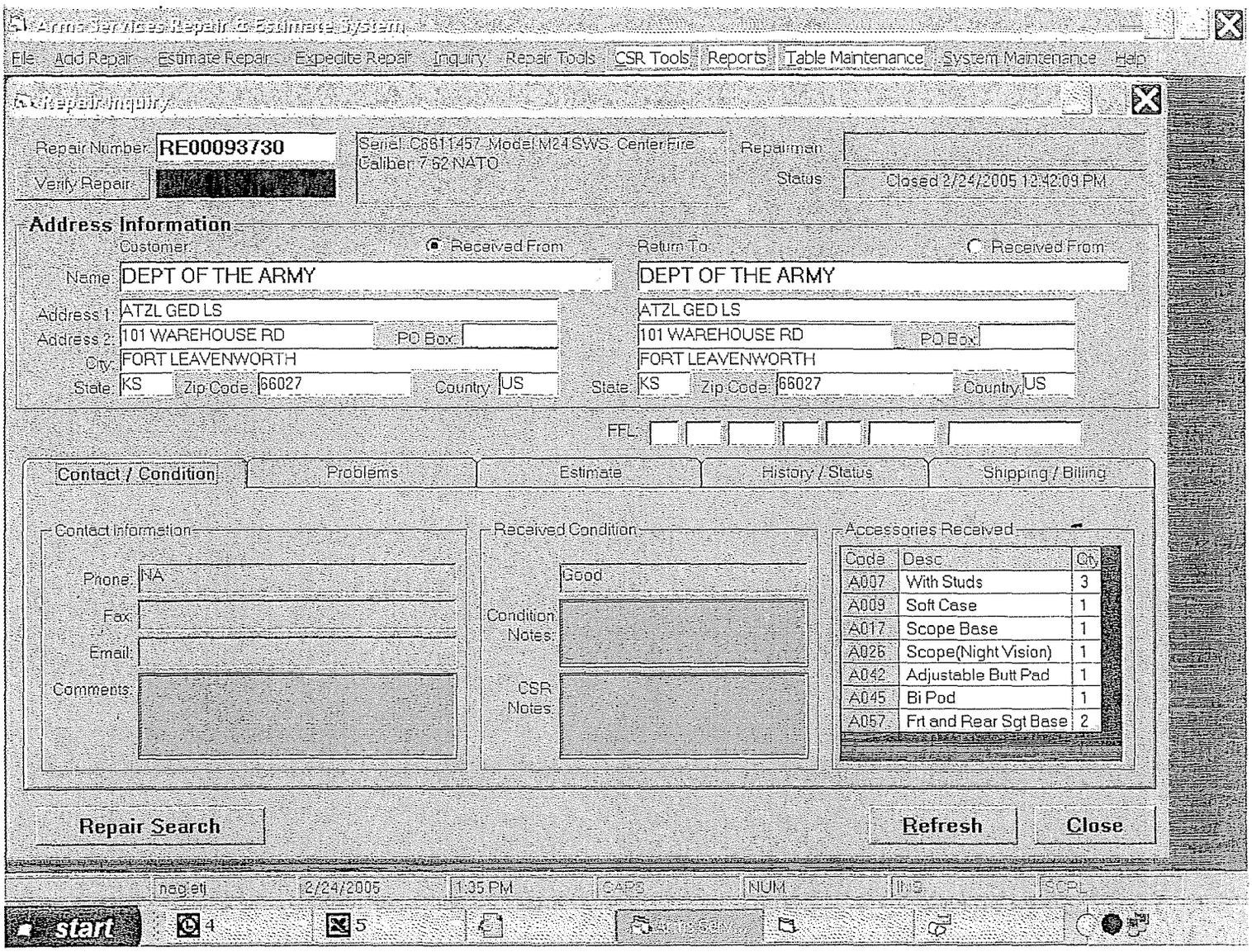
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington®


Army Services Repair & Estimate System
File Acid Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help
Repair Inquiry
Repair Number: RE00093730
Verify Repair
Serial: C6611457 Model:M24 SWS Center Fire Caliber:7.62 NATO
Repairman:
Status: Closed 2/24/2005 12:42:09 PM
Address Information
Customer: Received From
Name: DEPT OF THE ARMY
Address 1: ATZL GED LS
Address 2: 101 WAREHOUSE RD PO Box:
City: FORT LEAVENWORTH
State: KS Zip Code: 66027 Country: US
Return To: Received From
DEPT OF THE ARMY
ATZL GED LS
101 WAREHOUSE RD PO Box:
FORT LEAVENWORTH
State: KS Zip Code: 66027 Country: US
FFL:
Contact / Condition
Problems
Estimate
History / Status
Shipping / Billing
Contact Information
Phone: NA
Fax:
Email:
Comments:
Received Condition
Good
Condition Notes:
CSR Notes:
Accessories Received
Code Desc Qty
A007 With Studs 3
A009 Soft Case 1
A017 Scope Base 1
A026 Scope(Night Vision) 1
A042 Adjustable Butt Pad 1
A045 Bi Pod 1
A057 Frt and Rear Sgt Base 2
Repair Search
Refresh
Close
2/24/2005
1:35 PM
CAPS
NUM
SCRL
start


Serial Number: C6611457
Model: M24 SWS
RE00093730

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611457.__0
FILE DATE AND TIME: 03/18/2005 09:00

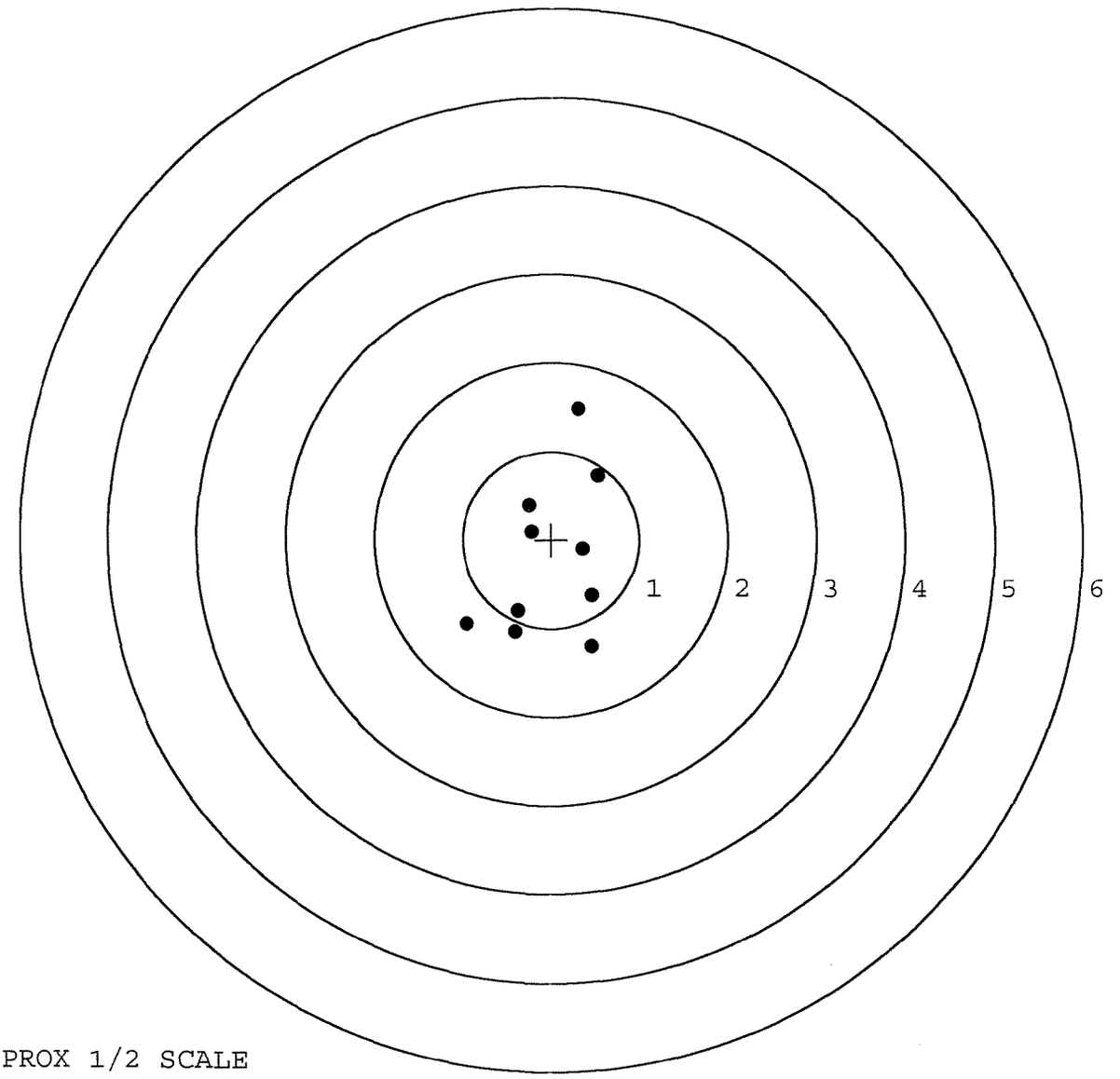
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.042
The Average Y Centroid of the Five Target Set:	-0.107
The Average Point of Impact of the Five Target Set:	0.115
The Average Mean Radius of the Five Target Set:	0.775
The Distance from POA to Centroid Target #1:	0.208
The Distance from Centroid Target #2 to Centroid Target #1:	0.131
The Distance from Centroid Target #3 to Centroid Target #1:	0.182
The Distance from Centroid Target #4 to Centroid Target #1:	0.155
The Distance from Centroid Target #5 to Centroid Target #1:	0.103

SERIAL NUMBER: C6611457.__0
TARGET NUMBER: 1
FILE DATE: 03/18/2005
FILE TIME: 09:00

X CENTROID:	-0.008
Y CENTROID:	-0.208
POA TO CENTROID:	0.208
HORZ SPREAD:	1.487
VERT SPREAD:	2.684
GROUP SPREAD:	2.741
MIN RADIUS:	0.366
MAX RADIUS:	1.716
MEAN RADIUS:	0.878
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.464	-1.206
2:	0.471	-0.637
3:	0.364	-0.111
4:	-0.412	-1.045
5:	-0.377	-0.810
6:	-0.958	-0.952
7:	-0.221	0.090
8:	-0.253	0.389
9:	0.529	0.723
10:	0.311	1.478

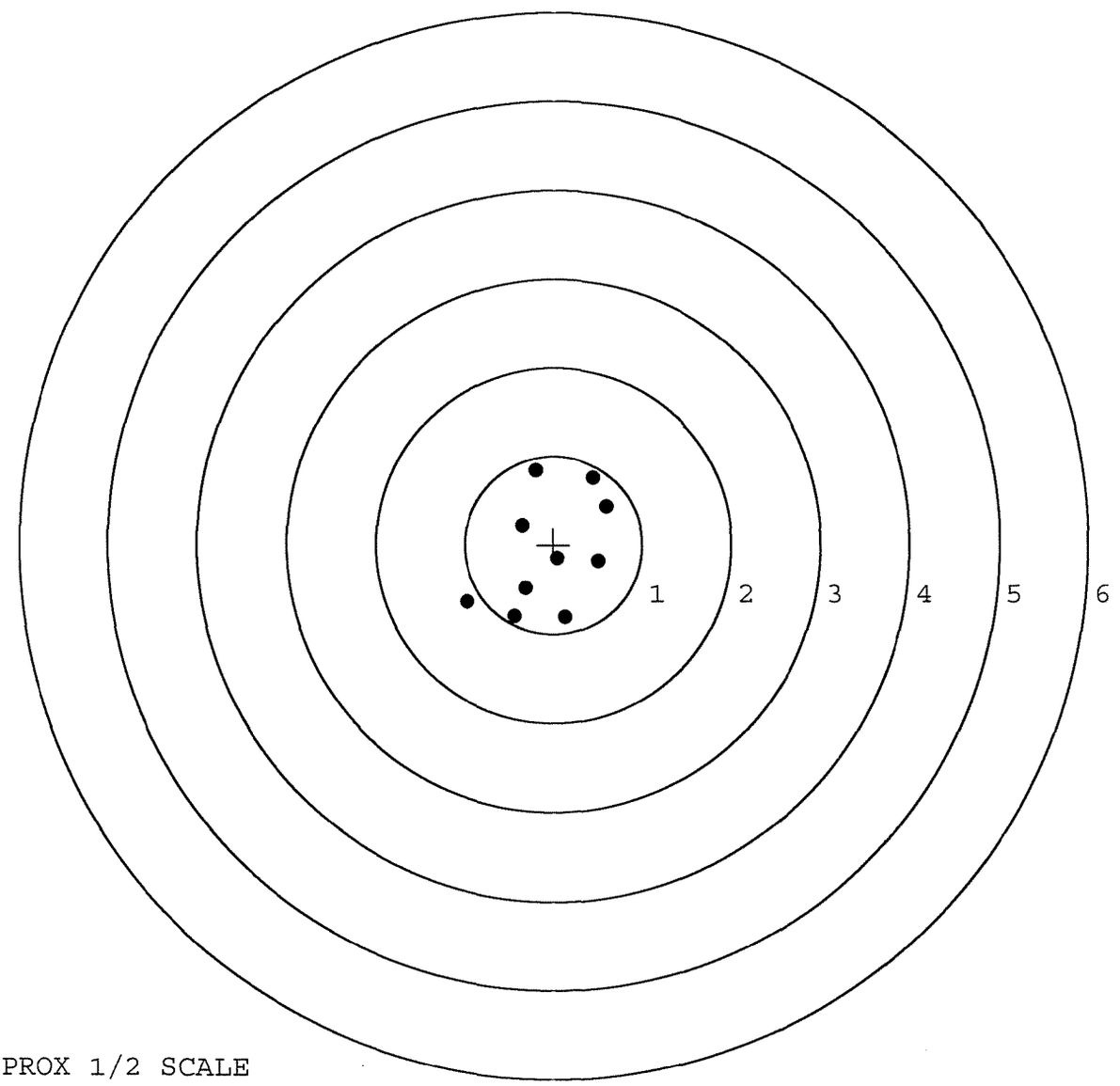


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611457.__0
TARGET NUMBER: 2
FILE DATE: 03/18/2005
FILE TIME: 09:00

X CENTROID:	-0.057
Y CENTROID:	-0.086
POA TO CENTROID:	0.103
HORZ SPREAD:	1.579
VERT SPREAD:	1.654
GROUP SPREAD:	2.002
MIN RADIUS:	0.119
MAX RADIUS:	1.078
MEAN RADIUS:	0.700
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.509	-0.182
2:	0.599	0.428
3:	0.453	0.756
4:	-0.205	0.834
5:	-0.357	0.214
6:	0.040	-0.156
7:	0.133	-0.820
8:	-0.446	-0.803
9:	-0.315	-0.490
10:	-0.980	-0.642

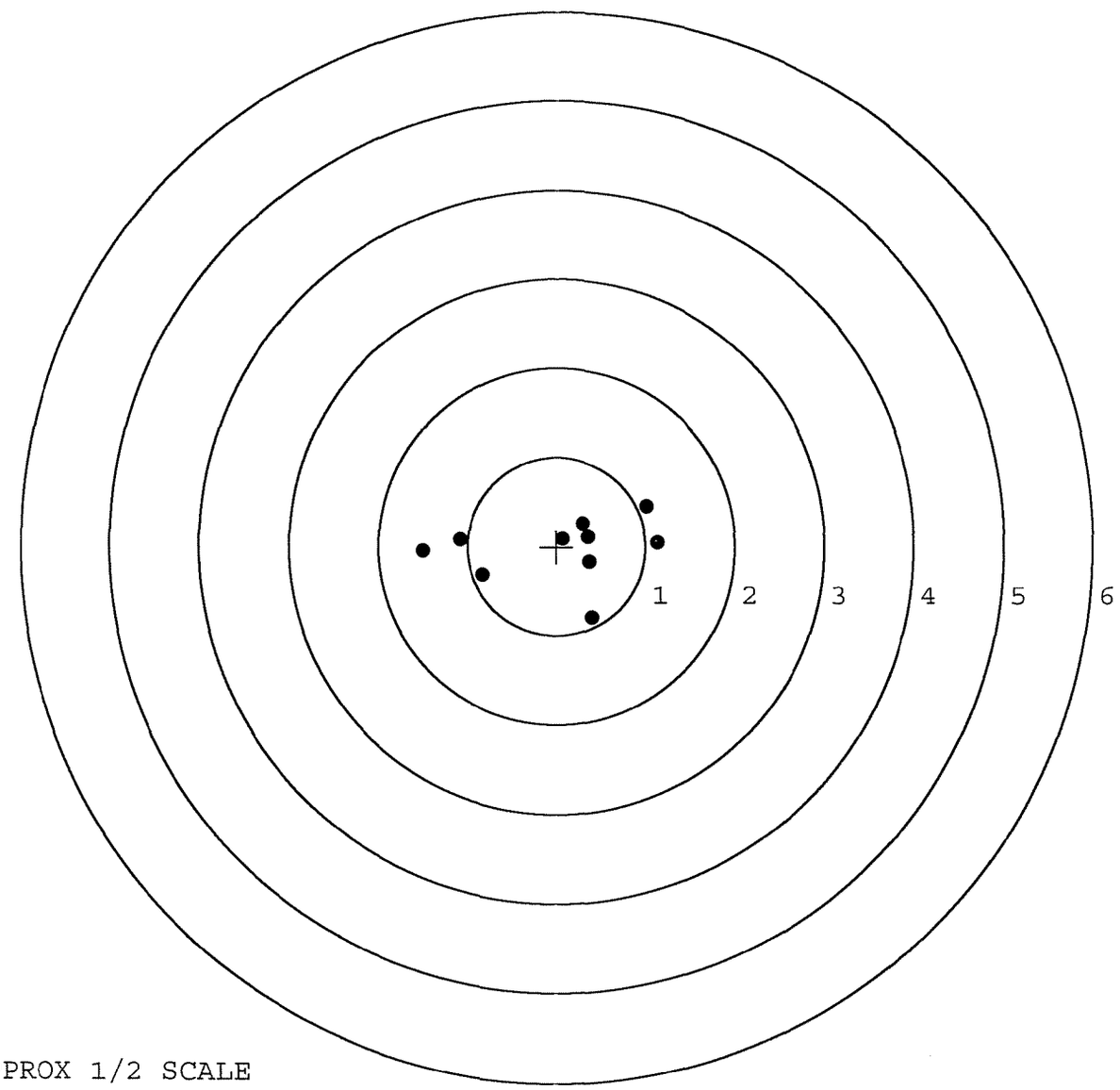


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611457.__0
TARGET NUMBER: 3
FILE DATE: 03/18/2005
FILE TIME: 09:00

X CENTROID:	0.024
Y CENTROID:	-0.029
POA TO CENTROID:	0.037
HORZ SPREAD:	2.642
VERT SPREAD:	1.251
GROUP SPREAD:	2.644
MIN RADIUS:	0.127
MAX RADIUS:	1.527
MEAN RADIUS:	0.788
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.401	-0.802
2:	1.139	0.048
3:	1.011	0.449
4:	0.378	-0.168
5:	0.298	0.262
6:	0.069	0.090
7:	-0.827	-0.317
8:	-1.084	0.082
9:	-1.503	-0.050
10:	0.355	0.118

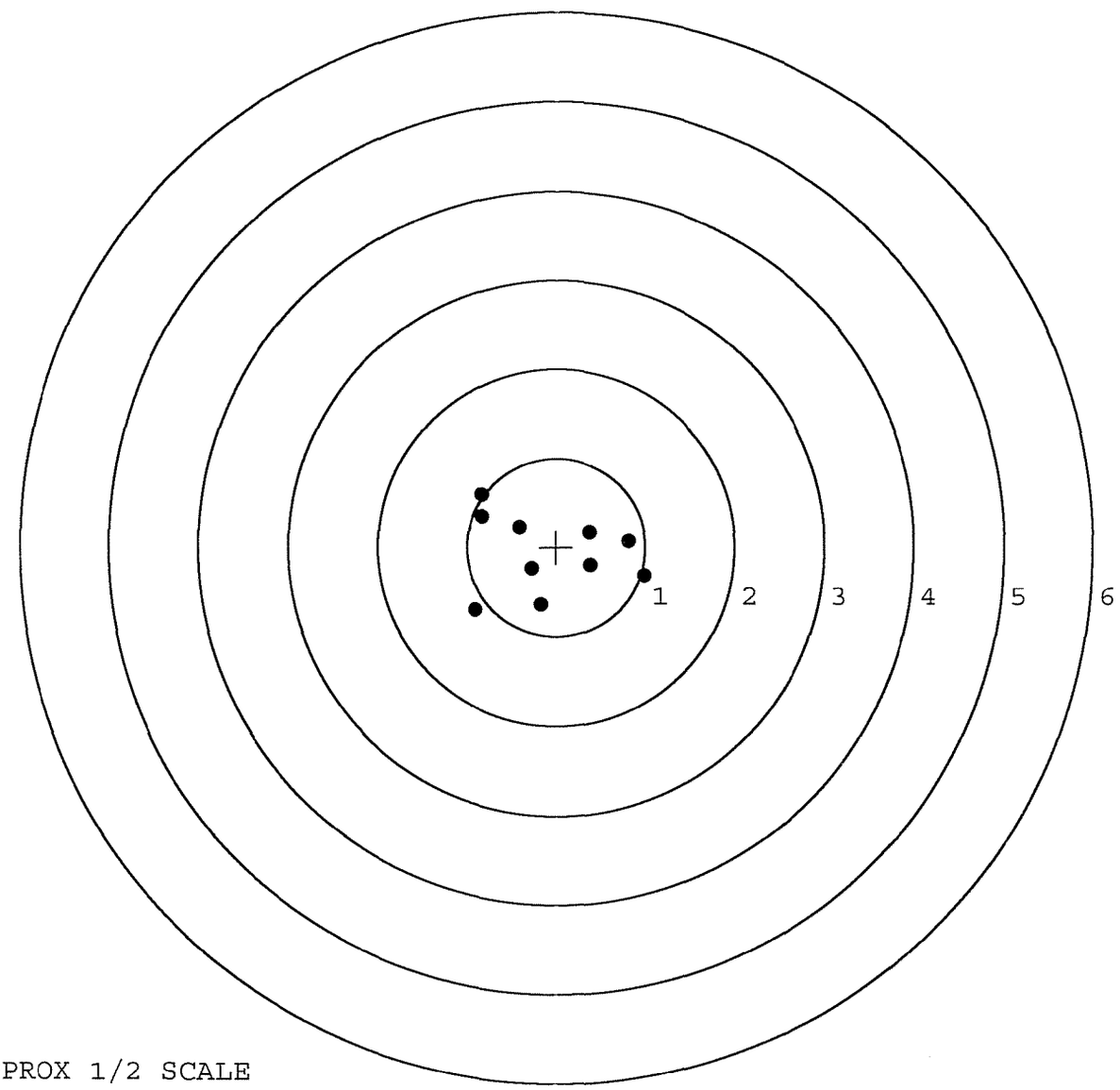


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611457.__0
TARGET NUMBER: 4
FILE DATE: 03/18/2005
FILE TIME: 09:00

X CENTROID:	-0.087
Y CENTROID:	-0.075
POA TO CENTROID:	0.115
HORZ SPREAD:	1.896
VERT SPREAD:	1.298
GROUP SPREAD:	2.039
MIN RADIUS:	0.256
MAX RADIUS:	1.103
MEAN RADIUS:	0.722
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.988	-0.321
2:	0.819	0.067
3:	0.391	-0.206
4:	0.377	0.168
5:	-0.176	-0.653
6:	-0.277	-0.246
7:	-0.908	-0.708
8:	-0.414	0.221
9:	-0.837	0.340
10:	-0.836	0.590

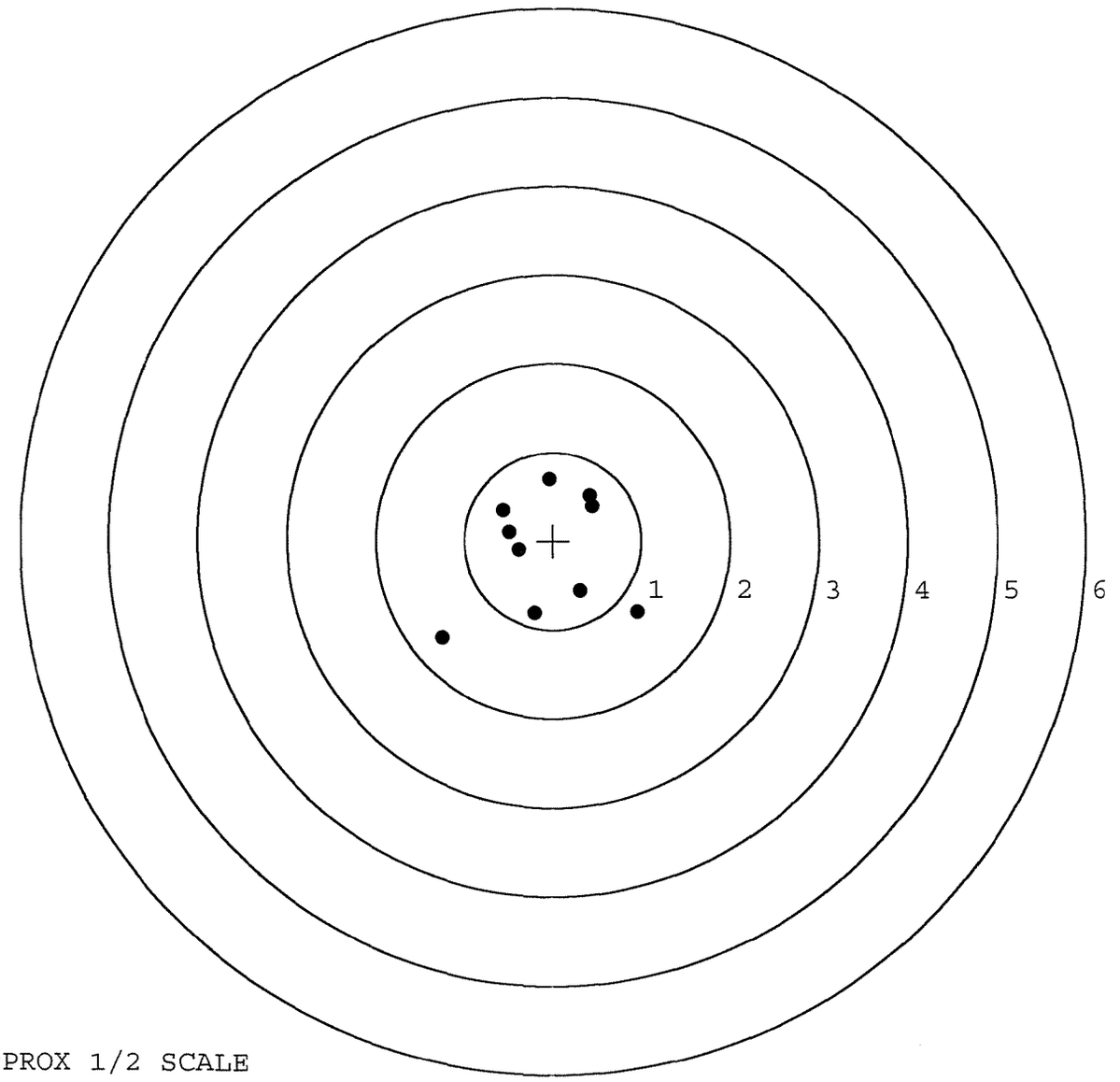


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611457.__0
TARGET NUMBER: 5
FILE DATE: 03/18/2005
FILE TIME: 09:00

X CENTROID:	-0.081
Y CENTROID:	-0.135
POA TO CENTROID:	0.158
HORZ SPREAD:	2.213
VERT SPREAD:	1.797
GROUP SPREAD:	2.323
MIN RADIUS:	0.310
MAX RADIUS:	1.517
MEAN RADIUS:	0.790
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.959	-0.801
2:	0.316	-0.569
3:	-0.210	-0.814
4:	-1.254	-1.098
5:	0.450	0.391
6:	0.425	0.508
7:	-0.047	0.699
8:	-0.390	-0.111
9:	-0.499	0.097
10:	-0.562	0.346



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 2-24-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.65	2.71		2.39	
PULL #2	2.60	2.74		2.23	
PULL #3	2.72	2.69		2.30	
PULL #4	2.66	2.55		2.35	
PULL #5	2.65	2.49		2.32	
TOTAL	13.28	13.18		11.59	
AVERAGE	2.65	2.63		2.31	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.24		
PULL #2	3.10	3.41		
PULL #3	3.12	3.09		
PULL #4	3.02	3.10		
PULL #5	3.06	3.12		
TOTAL	15.55	15.96		
AVERAGE	3.11	3.19		

	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	4.34	4.49		3.92
PULL #2	4.39	4.34		4.14
PULL #3	4.45	4.34		4.02
PULL #4	4.36	4.29		4.00
PULL #5	4.37	4.37		3.96
TOTAL	21.91	21.83		20.04
AVERAGE	4.38	4.36		4.00

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

R & E NUMBER	93730		
SERIAL NUMBER	C6611457		
LOG-IN DATE	2-24-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-28-05	RTL
560 A	RE-BARREL	3-1-05	RTL
B	DRILL AND TAP	3-1-05	TRW
575	ASSEMBLE	3-1-05	RTL
600	PROOF	3-1-05	AC
605	CHECK HEADSPACE	3-1-05	AC
610	DIS-ASSEMBLE GUN	3-1-05	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	3-1-05	CW
618	ROTO-BLAST	3-3-05	LD
620	APPLY COATINGS	3/16/05	HP
625 A	FINAL ASSEMBLY	3-18-05	RTL
B	TRIGGER PULL TEST	3-22-05	TRW
C	SAFETY "ON" FORCE	3-22-05	AC
D	SAFETY "OFF" FORCE	3-22-05	AC
E	FIRING PIN INDENT	3-22-05	AC
640	TARGET	3-18-05	TRW
655	FINAL INSPECT	3-22-05	AC
660	PACK	32205	DA
		SHIP DATE	
	QAR INSPECTION DATE		

MAGNA-FLUX INSPECTED MAR 0 2005

Remington
DUPONT
REG. U.S. PAT. & TM. OFF.
VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm
MODEL 700TM M24
SERIAL NO.
C6611457
ORDER NO.
5716
20
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off. Marca Registrada Marque Deposee.
5716 C6611457
UPC
0 47700 25716 7

MOD. _____ GA. CAL. _____ GUN # 1457

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
KT	1st	Check Safety + Bolt Release	KS
	2nd 5/15/91	CHANGED SAFETY INDENT SPG	KS
	3rd	Shot 20 Rds OK 5-20-91 DH	
	4th		

FUNCTION RD 6654 Rev 1

TEST	INIT.	ACTION TO CORRECT	ASSEM. #
PROOF			
TEST			
TGT			
PROOF			
TEST			
TGT			
PROOF		ENGINEER	
TEST			
TGT			
PROOF		ENGINEER	
TEST			
TGT			

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611457

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/18/91	K.S.
600	Proof		3/18/91	K.S.
607	Check Headspace		3/18/91	K.S.
610	Dis-assemble Gun		3/18/91	K.S.
612	Magnaflux Barrel Action		3/28/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	
617	Drill and Tap Sight Holes	APR	3 1991	
618	Polish Barrel	APR	3 1991	
620	Apply Coatings (Barrel Action)		4-19-91	
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/91	KS
	C) Inspect Ejector Hole for Chamfer		5/1/91	KS
	D) Oil Firing Pin Ass'y		5/1/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5/11/91	

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/14/91	
	G) Safety Off Force	4	4	4			5/14/91	
	H) Trigger Pull Test & Retainability						5/14/91	
	I) Firing Pin Indent	.0215	.0215	.0215			5/14/91	
	J) Assemble Stock						5/14/91	KS
	K) Assemble Swivel Studs						5-20-91	DH
	L) Attach Front and Rear Sight Assemblies						5/14/91	KS
	M) Iron Sight Alignment						5/14/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/14/91	KS
	O) Attach Scope to Rifle						5/14/91	KS
	P) Detach & Attach Scope 20 Times						5/14/91	KS
640	Gallery Target & Test						5/15/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clearity of Scope						"	KT
645	Inspect for Live Ammo						5/15/91	KT
655	Final Inspection A) Headspace						5-20-91	DH
	B) Trigger Pull	2.59	2.47	2.60	2.61	2.55	5-20-91	
	C) Function						5-20-91	DH
660	Pack						6-14-91	

SWS TRIGGER PULL TEST

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

SERIAL NO. C-6611457

DATE 5/11/91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.25	2.38	2.54	MIN. SETTING,
PULL #2	2.40	2.46	2.45	2.47	NO AVG. OF 5
PULL #3	2.34	2.42	2.40	2.60	READINGS ACCEPT-
PULL #4	2.50	2.48	2.36	2.61	ABLE LESS THAN 2#
PULL #5	2.54	2.37	2.40	2.55	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.42		
PULL #2	3.51	3.40		
PULL #3	3.47	3.41		
PULL #4	3.38	3.43		
PULL #5	3.42	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	4.35	4.35		4.39
PULL #2	4.33	4.32		4.38
PULL #3	4.41	4.40		4.32
PULL #4	4.38	4.37		4.34
PULL #5	4.36	4.41		4.41
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611457
15 May 1991

CENTROIDAL DISTANCES

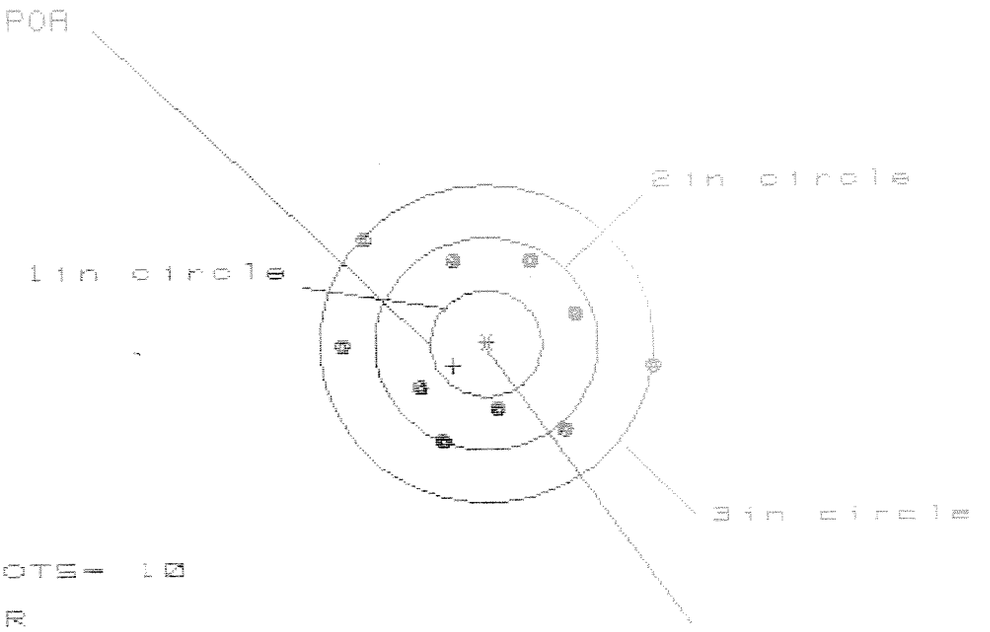
0	TO	1	.367925
1	TO	2	.691122
1	TO	3	.886885
1	TO	4	.983058
1	TO	5	.411886

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.18
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1184
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .21545

THE AMP FOR THIS RIFLE IS: 1.027

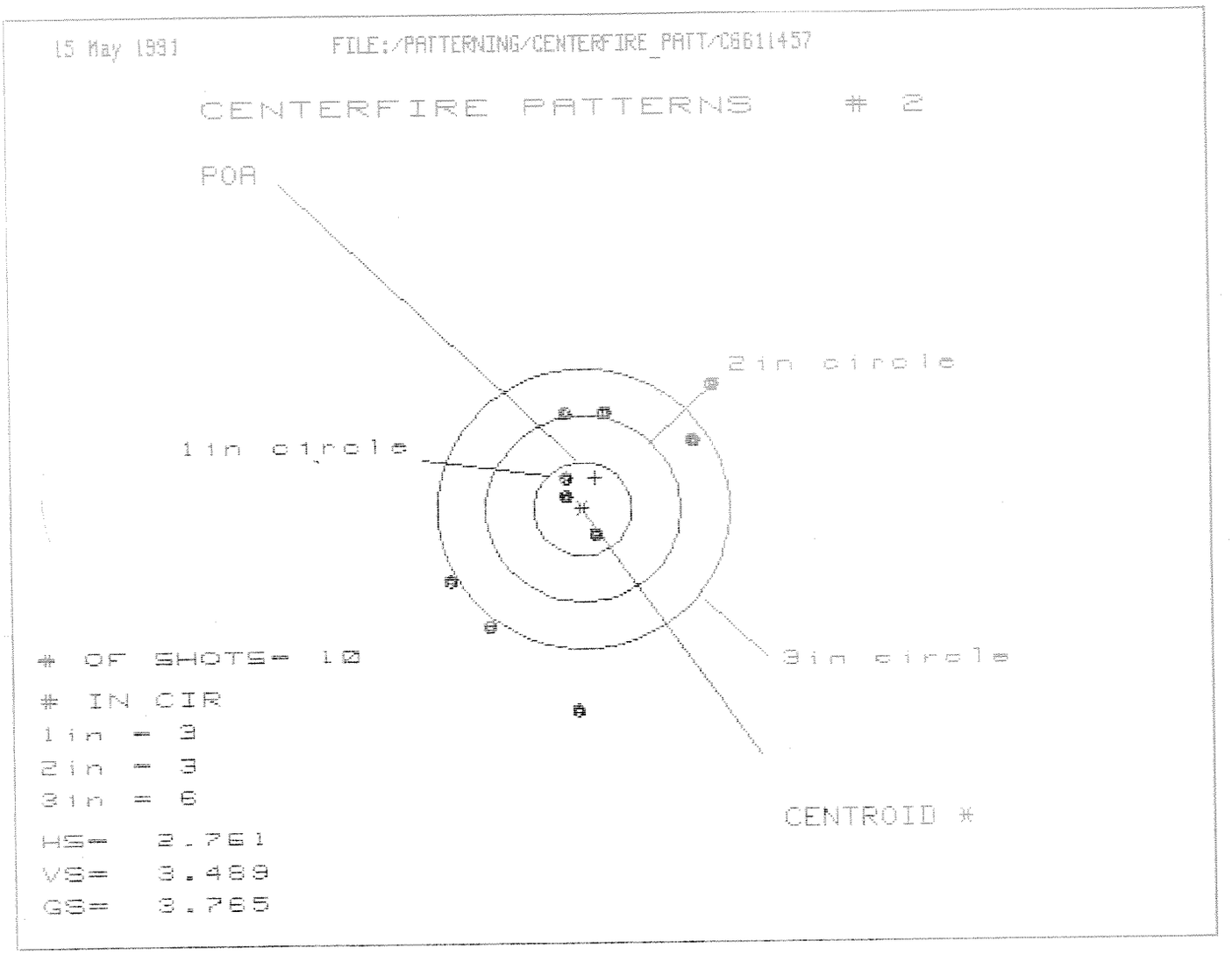
15 May 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C6611457

CENTERFIRE PATTERNS # 1



# OF SHOTS= 10
# IN CIR
1in = 0
2in = 6
3in = 9
HS= 2.828
VS= 1.934
GS= 2.876

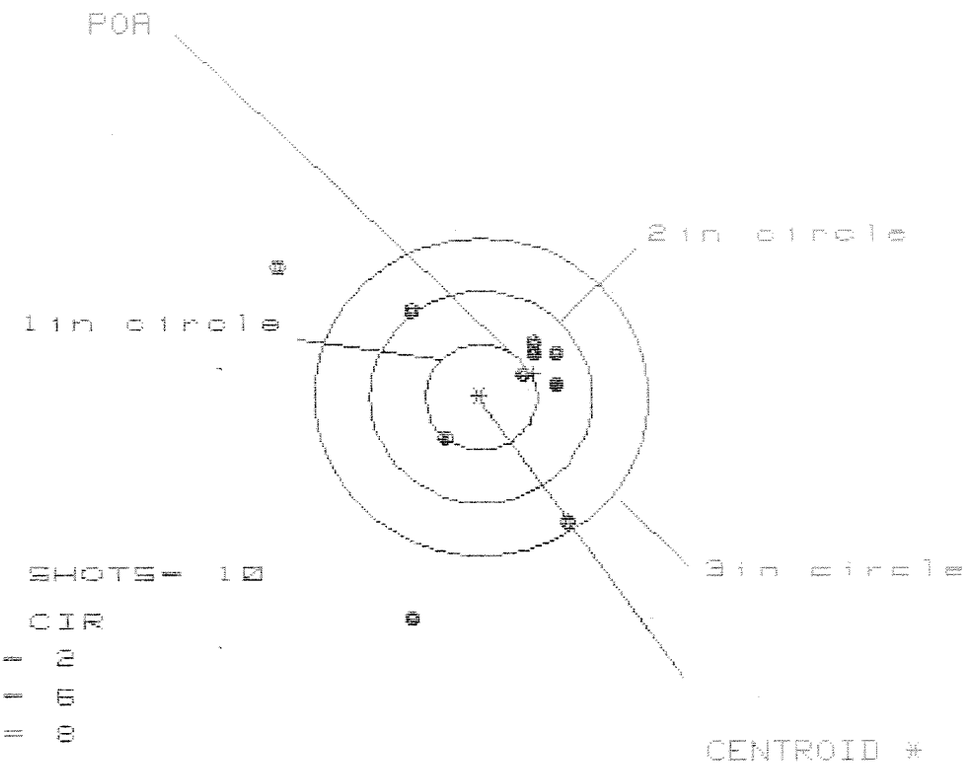
PATTERN #	:	1	
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.522	1.010	.897
MINIMUM X	:	-1.306	-1.137	-1.250
MAXIMUM Y	:	1.034	1.011	.930
MINIMUM Y	:	-.900	-.923	-.797
CENTROID X	:	.300	.131	.244
CENTROID Y	:	.213	.236	.110
POA TO CENTROID in.	:	.368	.270	.267
MIN RADIUS	:	.665	.595	.572
MEAN RADIUS	:	1.042	.978	.911
MAX RADIUS	:	1.537	1.353	1.253
HORIZONTAL SPREAD	:	2.828	2.147	2.147
VERTICAL SPREAD	:	1.934	1.934	1.727
EXTREME SPREAD	:	2.876	2.553	2.172
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.365	1.360	1.306
MINIMUM X	:	-1.396	-1.401	-1.231
MAXIMUM Y	:	1.306	1.064	.922
MINIMUM Y	:	-2.183	-1.510	-1.378
CENTROID X	:	-.125	-.120	-.290
CENTROID Y	:	-.332	-.090	-.223
POA TO CENTROID in.	:	.355	.150	.365
MIN RADIUS	:	.158	.184	.040
MEAN RADIUS	:	1.151	1.000	.898
MAX RADIUS	:	2.183	1.800	1.598
HORIZONTAL SPREAD	:	2.761	2.761	2.537
VERTICAL SPREAD	:	3.489	2.574	2.300
EXTREME SPREAD	:	3.765	3.478	2.911
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

15 May 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C8611457

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

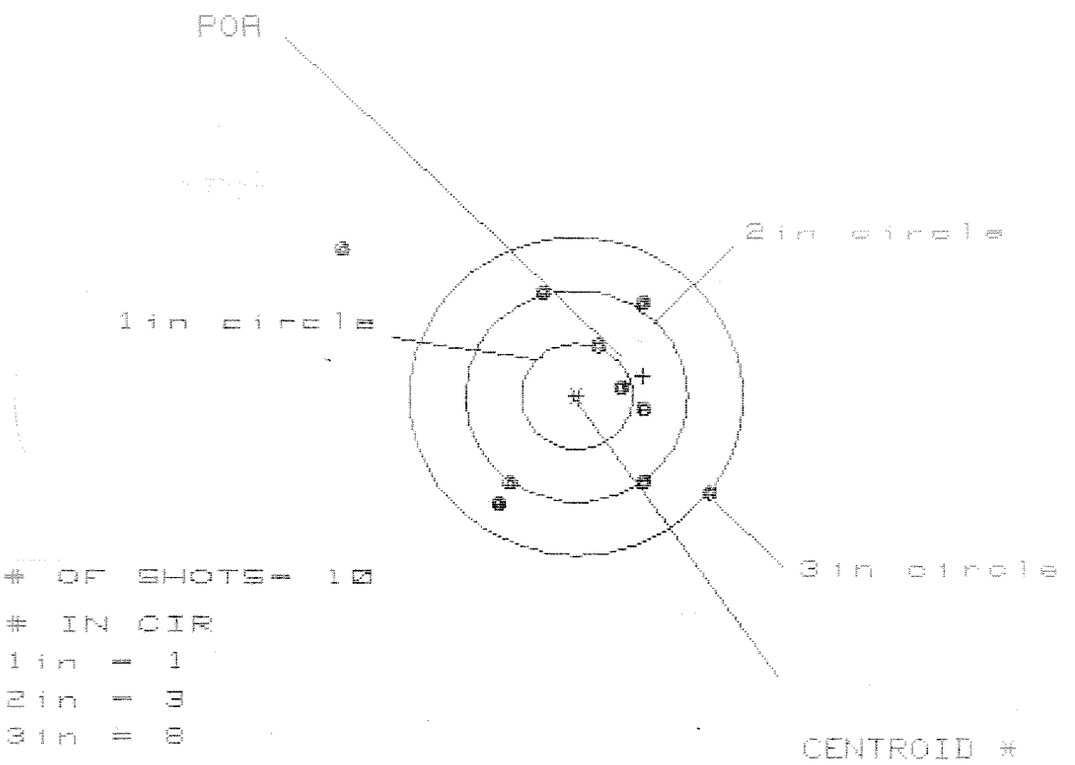
# IN CIR	
1in	= 2
2in	= 6
3in	= 8

HS= 2.609
VS= 3.345
GS= 3.544

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.806	.736	.502
MINIMUM X	:	-1.803	-1.873	-.970
MAXIMUM Y	:	1.217	.980	.676
MINIMUM Y	:	-2.128	-1.395	-1.272
CENTROID X	:	-.474	-.404	-.170
CENTROID Y	:	-.220	.017	-.106
POA TO CENTROID in.	:	.522	.404	.200
MIN RADIUS	:	.428	.328	.105
MEAN RADIUS	:	1.050	.863	.630
MAX RADIUS	:	2.220	2.114	1.368
HORIZONTAL SPREAD	:	2.609	2.609	1.472
VERTICAL SPREAD	:	3.345	2.375	1.948
EXTREME SPREAD	:	3.544	3.528	2.442
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

15 May 1991 FILE:/PATTERNING/CENTERFIRE_PATT/C6611457

CENTERFIRE PATTERNS # 4

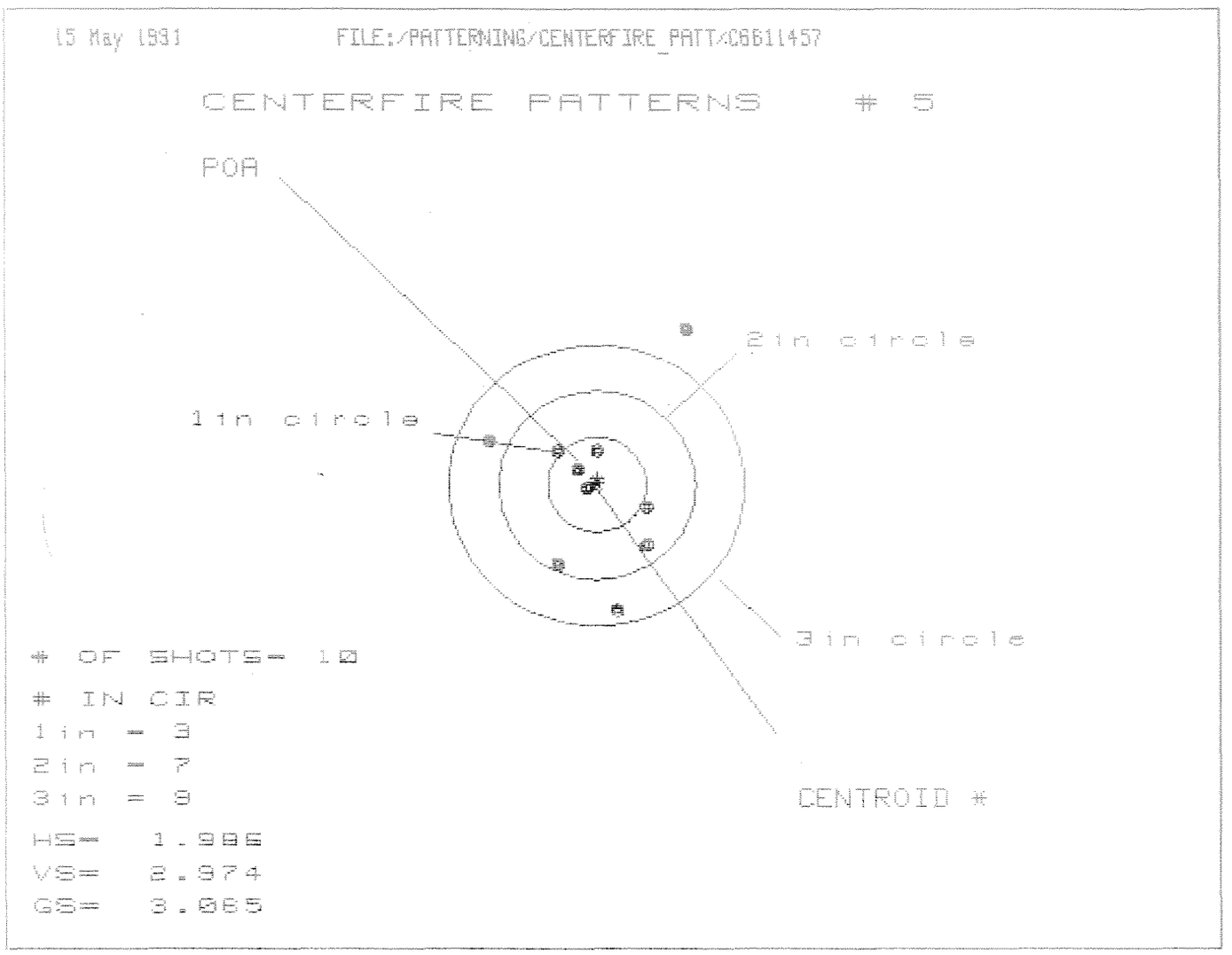


OF SHOTS= 10

# IN CIR	
1in	= 1
2in	= 3
3in	= 8

HS= 3.325
VS= 2.341
GS= 4.046

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.245	1.013	.527
MINIMUM X	:	-2.080	-.886	-.759
MAXIMUM Y	:	1.350	1.099	.998
MINIMUM Y	:	-.991	-.841	-.942
CENTROID X	:	-.598	-.366	-.493
CENTROID Y	:	-.187	-.337	-.236
POA TO CENTROID in.	:	.626	.498	.547
MIN RADIUS	:	.386	.261	.298
MEAN RADIUS	:	1.097	.894	.845
MAX RADIUS	:	2.480	1.294	1.209
HORIZONTAL SPREAD	:	3.325	1.899	1.286
VERTICAL SPREAD	:	2.341	1.940	1.940
EXTREME SPREAD	:	4.046	2.463	2.248
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.921	.626	.661
MINIMUM X	:	-1.065	-.962	-.927
MAXIMUM Y	:	1.671	.619	.480
MINIMUM Y	:	-1.303	-1.118	-.813
CENTROID X	:	-.003	-.106	-.141
CENTROID Y	:	-.066	-.251	-.112
POA TO CENTROID in.	:	.066	.273	.180
MIN RADIUS	:	.149	.151	.008
MEAN RADIUS	:	.796	.677	.573
MAX RADIUS	:	1.908	1.153	1.044
HORIZONTAL SPREAD	:	1.986	1.588	1.588
VERTICAL SPREAD	:	2.974	1.737	1.293
EXTREME SPREAD	:	3.065	2.137	1.917
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	