CB348921

MODEL 700™ M24

Model SWS™

Action

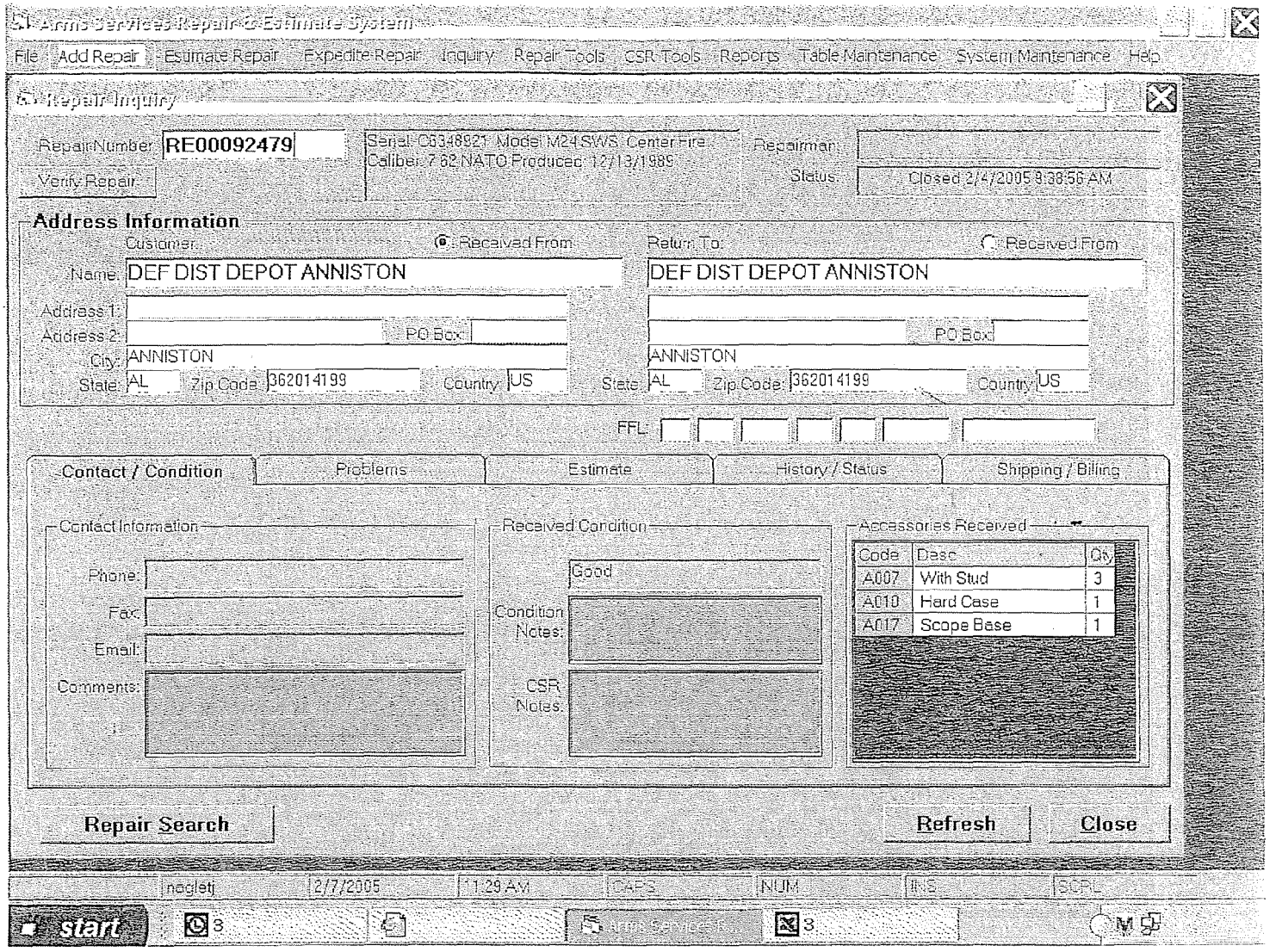
Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington®



Serial Number: C6348921

Model: M24 SWS

RE00092479

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348921.__0
FILE DATE AND TIME: 05/11/2005 08:48

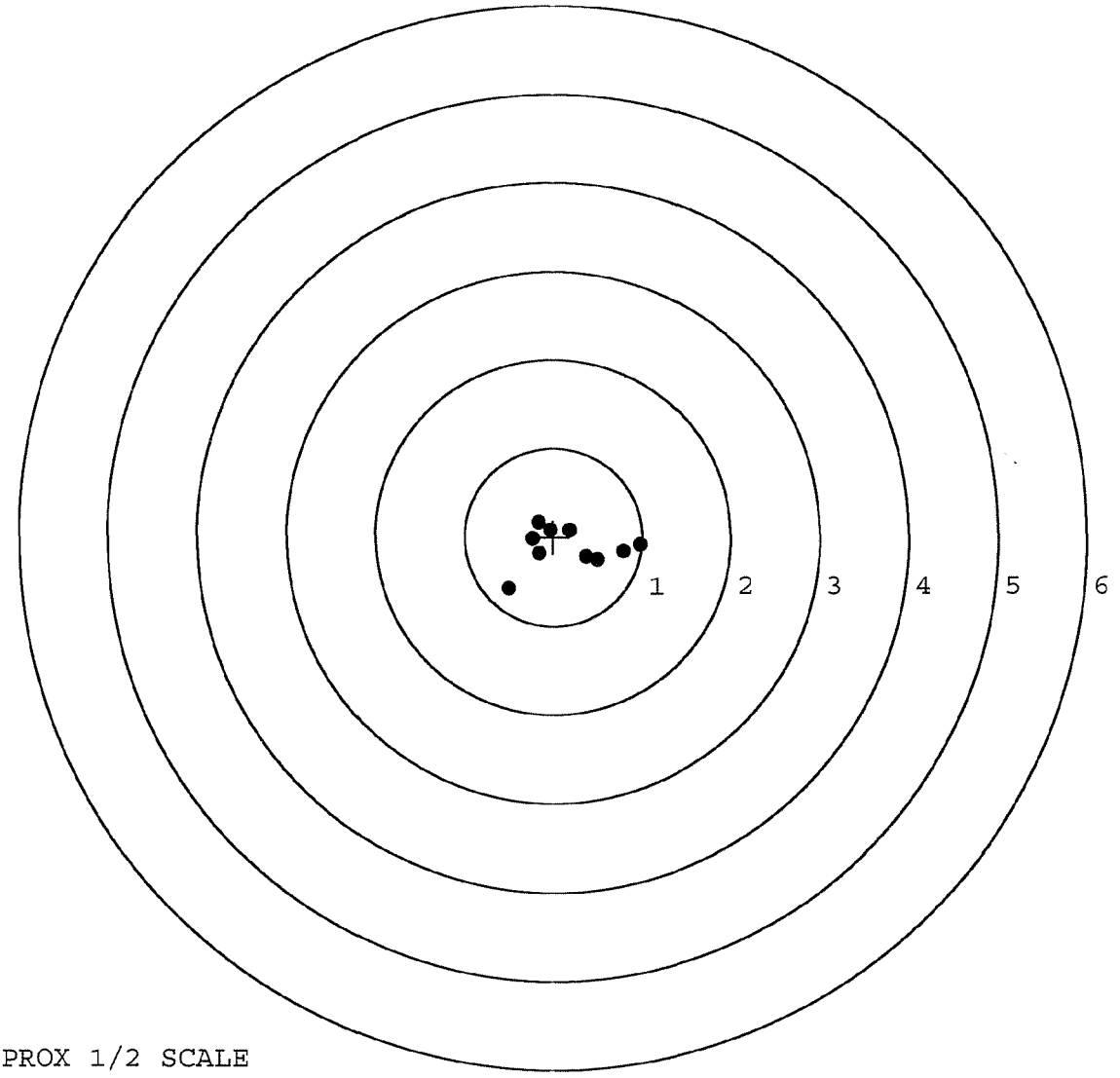
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.114
The Average Y Centroid of the Five Target Set:	0.081
The Average Point of Impact of the Five Target Set:	0.140
The Average Mean Radius of the Five Target Set:	0.747
The Distance from POA to Centroid Target #1:	0.209
The Distance from Centroid Target #2 to Centroid Target #1:	0.483
The Distance from Centroid Target #3 to Centroid Target #1:	0.237
The Distance from Centroid Target #4 to Centroid Target #1:	0.939
The Distance from Centroid Target #5 to Centroid Target #1:	0.489

SERIAL NUMBER: C6348921.__0
TARGET NUMBER: 1
FILE DATE: 05/11/2005
FILE TIME: 08:48

X CENTROID:	0.171
Y CENTROID:	-0.120
POA TO CENTROID:	0.209
HORZ SPREAD:	1.480
VERT SPREAD:	0.749
GROUP SPREAD:	1.561
MIN RADIUS:	0.200
MAX RADIUS:	0.816
MEAN RADIUS:	0.452
# IN 1 IN DIAMETER:	7
# IN 2 IN DIAMETER:	10
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.979	-0.087
2:	0.793	-0.161
3:	0.498	-0.257
4:	0.370	-0.224
5:	0.181	0.079
6:	-0.171	0.166
7:	-0.035	0.078
8:	-0.239	-0.024
9:	-0.162	-0.191
10:	-0.501	-0.583

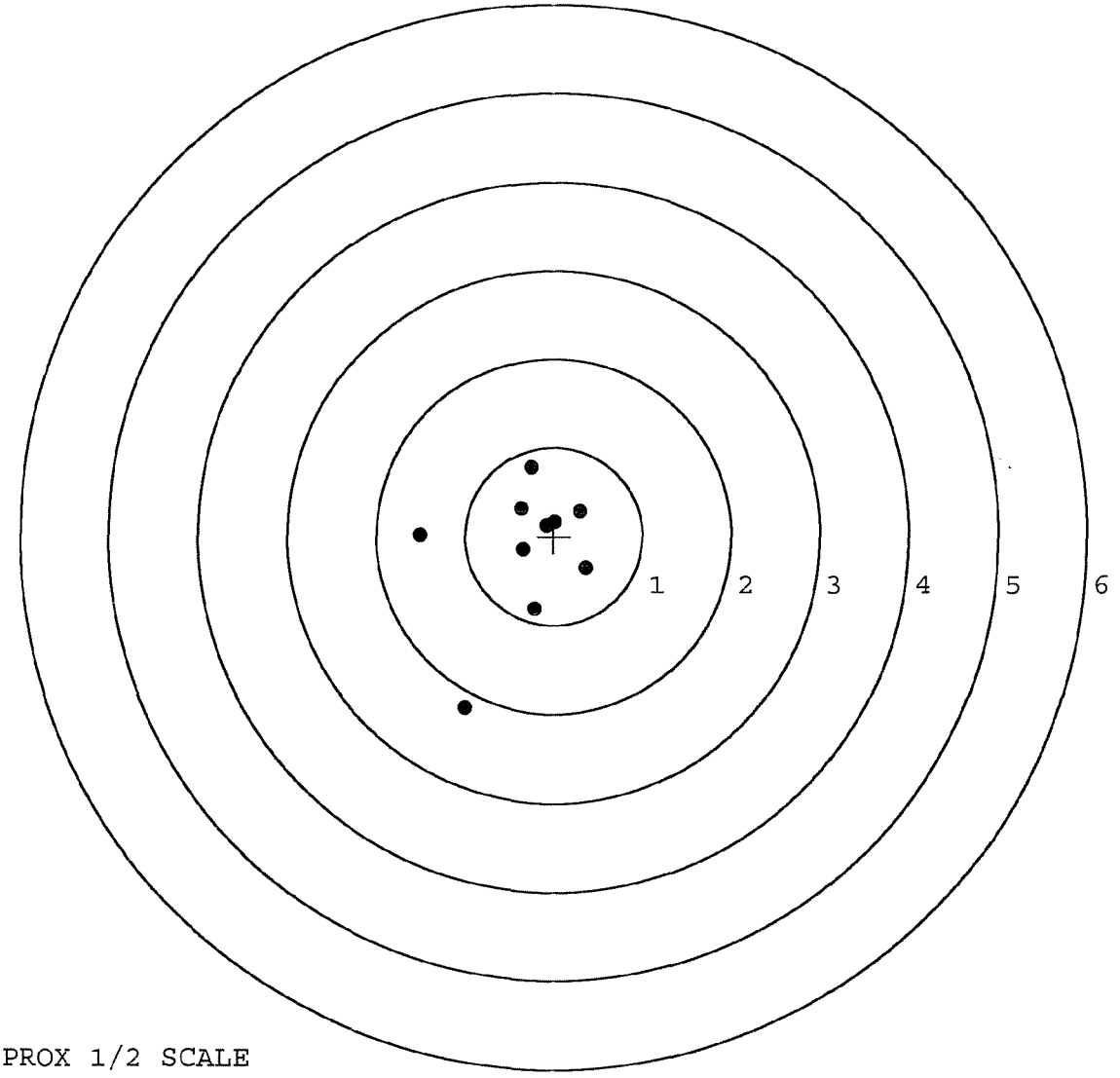


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348921.__0
TARGET NUMBER: 2
FILE DATE: 05/11/2005
FILE TIME: 08:48

X CENTROID:	-0.310
Y CENTROID:	-0.161
POA TO CENTROID:	0.349
HORZ SPREAD:	1.871
VERT SPREAD:	2.725
GROUP SPREAD:	2.824
MIN RADIUS:	0.035
MAX RADIUS:	1.913
MEAN RADIUS:	0.753
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.364	-0.361
2:	-0.214	-0.826
3:	-0.997	-1.946
4:	-0.344	-0.153
5:	0.298	0.285
6:	-0.368	0.315
7:	-0.256	0.779
8:	-1.507	0.013
9:	0.010	0.164
10:	-0.084	0.124

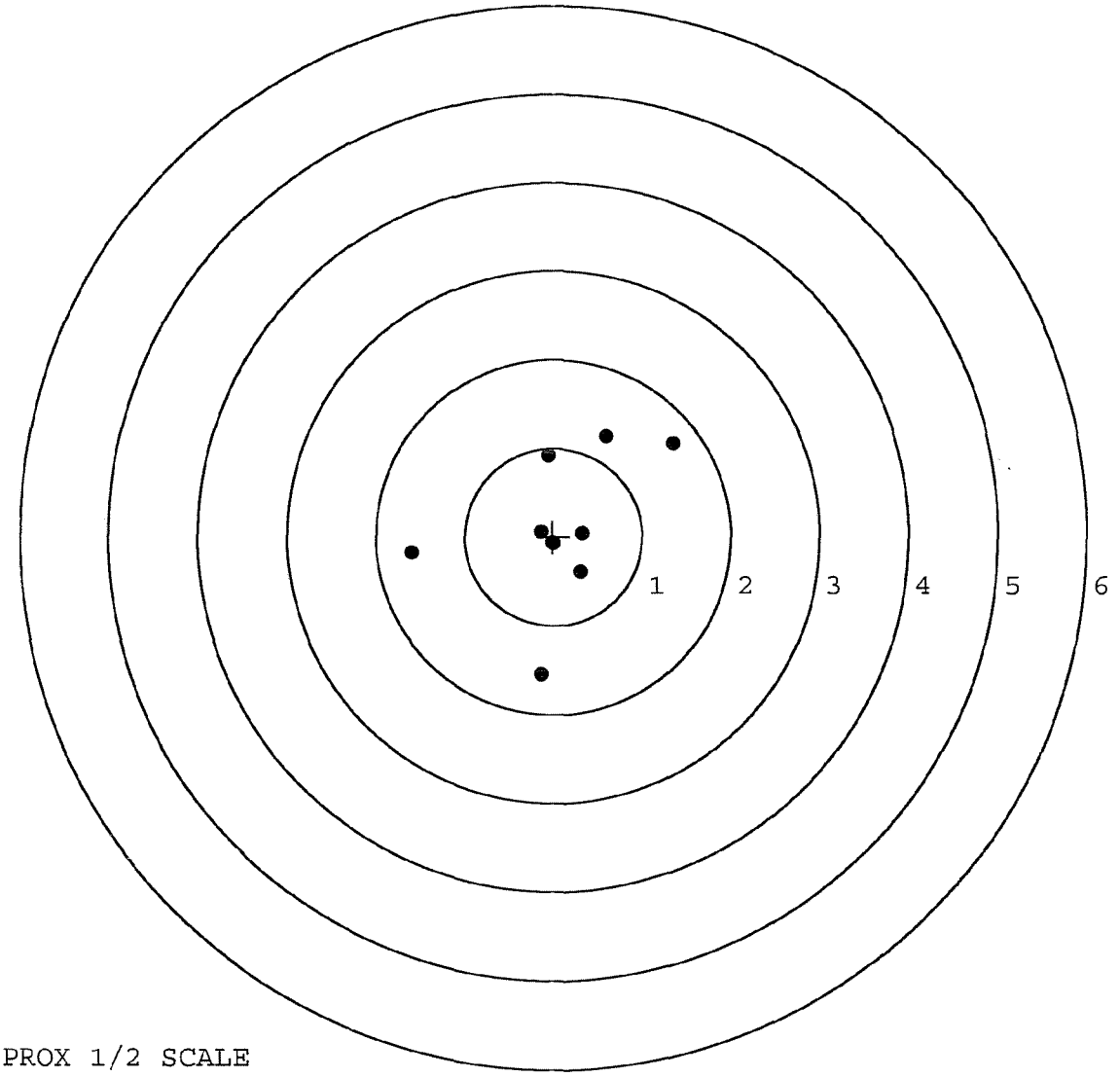


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348921.__0
TARGET NUMBER: 3
FILE DATE: 05/11/2005
FILE TIME: 08:48

X CENTROID:	0.064
Y CENTROID:	0.091
POA TO CENTROID:	0.112
HORZ SPREAD:	2.945
VERT SPREAD:	2.688
GROUP SPREAD:	3.198
MIN RADIUS:	0.179
MAX RADIUS:	1.685
MEAN RADIUS:	0.833
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	7

POINT#	X	Y
1:	-0.137	-1.554
2:	-1.597	-0.191
3:	0.598	1.134
4:	1.348	1.055
5:	-0.002	-0.078
6:	-0.011	-0.071
7:	-0.138	0.056
8:	0.313	-0.398
9:	0.324	0.046
10:	-0.056	0.915

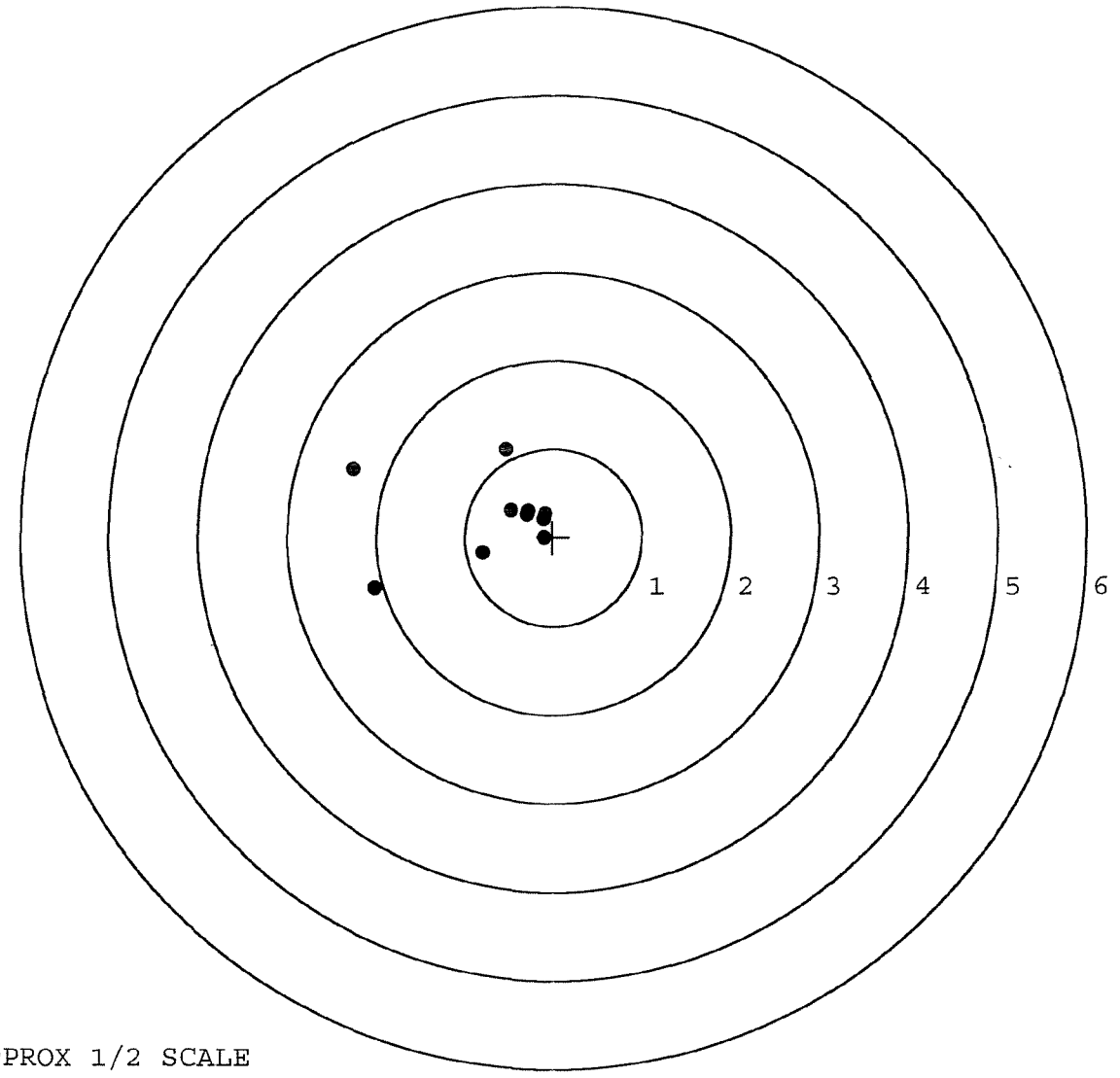


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348921.__0
TARGET NUMBER: 4
FILE DATE: 05/11/2005
FILE TIME: 08:48

X CENTROID:	-0.701
Y CENTROID:	0.230
POA TO CENTROID:	0.737
HORZ SPREAD:	2.257
VERT SPREAD:	1.574
GROUP SPREAD:	2.288
MIN RADIUS:	0.228
MAX RADIUS:	1.645
MEAN RADIUS:	0.727
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	-0.098	0.265
2:	-0.293	0.299
3:	-2.257	0.763
4:	-2.020	-0.585
5:	-0.796	-0.183
6:	-0.104	-0.012
7:	-0.115	0.204
8:	-0.301	0.256
9:	-0.483	0.299
10:	-0.539	0.989

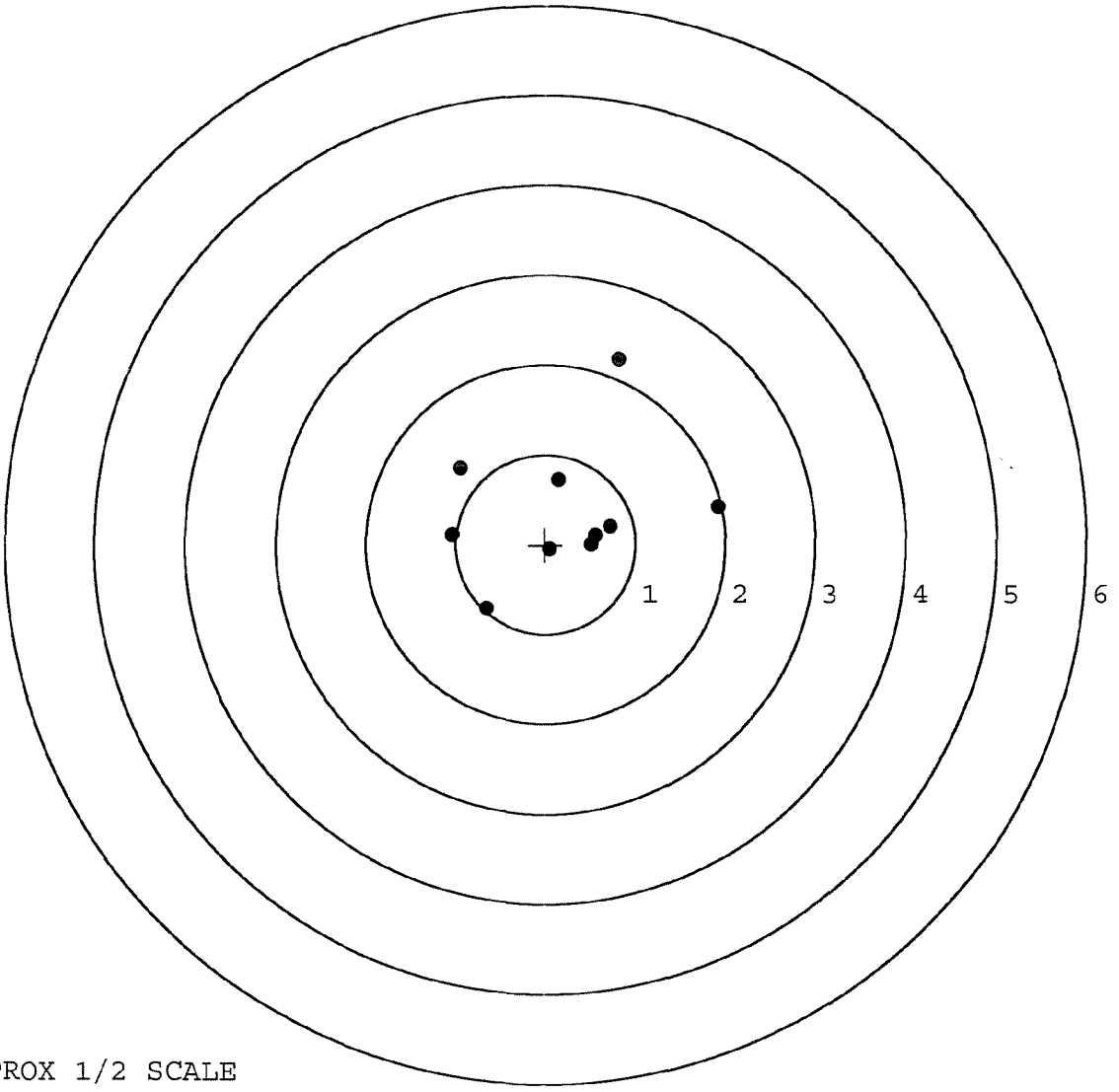


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348921.__0
TARGET NUMBER: 5
FILE DATE: 05/11/2005
FILE TIME: 08:48

X CENTROID:	0.207
Y CENTROID:	0.367
POA TO CENTROID:	0.421
HORZ SPREAD:	2.959
VERT SPREAD:	2.776
GROUP SPREAD:	3.141
MIN RADIUS:	0.361
MAX RADIUS:	1.793
MEAN RADIUS:	0.969
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	0.053	-0.050
2:	0.143	0.722
3:	1.919	0.420
4:	0.720	0.201
5:	0.513	-0.005
6:	0.811	2.055
7:	-0.950	0.840
8:	-1.040	0.103
9:	-0.658	-0.721
10:	0.560	0.105



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 4.4.05

TESTER TRW

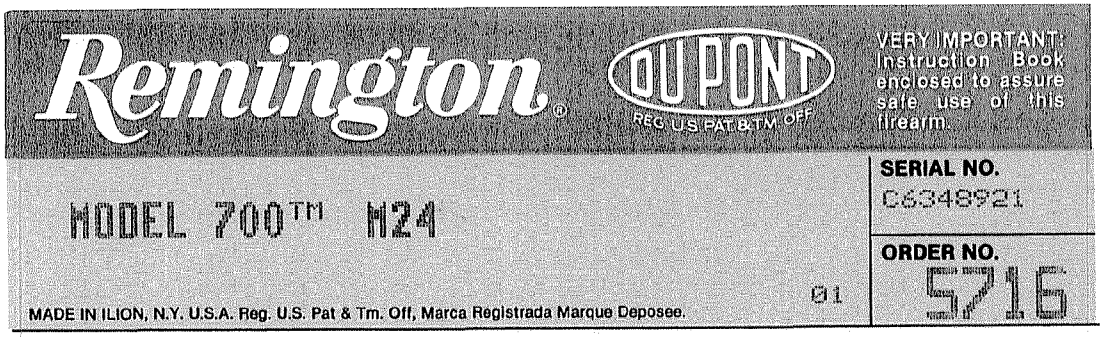
	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.64	2.70		2.70	
PULL #2	2.65	2.85		2.82	
PULL #3	2.68	2.73		2.73	
PULL #4	2.68	2.77		2.71	
PULL #5	2.72	2.86		2.83	
TOTAL	13.37	13.91		13.79	
AVERAGE	2.67	2.78		2.75	

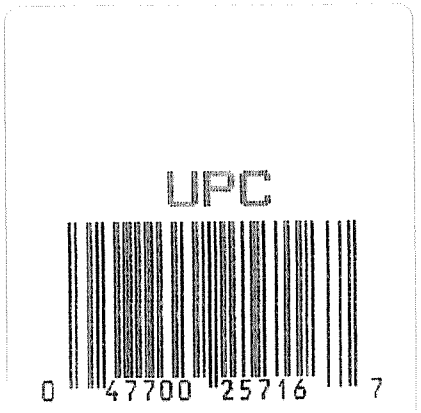
	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.23		
PULL #2	3.23	3.26		
PULL #3	3.29	3.13		
PULL #4	3.28	3.23		
PULL #5	3.27	3.21		
TOTAL	16.24	16.06		
AVERAGE	3.24	3.21		

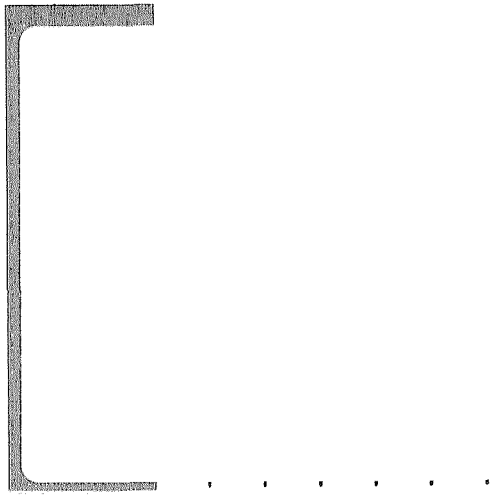
	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.15	4.18		4.53
PULL #2	4.20	4.12		4.21
PULL #3	4.17	4.18		4.23
PULL #4	4.23	4.14		4.15
PULL #5	4.28	4.14		4.27
TOTAL	21.03	20.76		21.39
AVERAGE	4.20	4.15		4.27

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

R & E NUMBER	92479		
SERIAL NUMBER	C1a348921		
LOG-IN DATE	2-4-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-5-05	RTR
560 A	RE-BARREL	4-7-05	RTR
B	DRILL AND TAP	4-11-05	TRW
575	ASSEMBLE	4-7-05	RTR
600	PROOF	4-8-05	AC
605	CHECK HEADSPACE	4-8-05	AC
610	DIS-ASSEMBLE GUN	4-11-05	RTR
612	MAGNAFLUX		BS
615	ROLLMARK CALIBER	4-12-05	CW
618	ROTO-BLAST	4-18-05	LB
620	APPLY COATINGS	4-25-05	WT
625 A	FINAL ASSEMBLY	5-10-05	RTR
B	TRIGGER PULL TEST	5-11-05	TRW
C	SAFETY "ON" FORCE	5-27-05	AC
D	SAFETY "OFF" FORCE	5-27-05	AC
E	FIRING PIN INDENT	5-27-05	AC
640	TARGET	5-11-05	TRW
655	FINAL INSPECT	5-27-05	AC
660	PACK	7-7-05	DH
		SHIP DATE	
	QAR INSPECTION DATE		







M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348921

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14	89	RW
600	Proof	9 14	89	RW
607	Check Headspace	9 14	89	RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9-15-89	GS
7	Drill and Tap Sight Holes	9 15	89	TE
618	Polish Barrel	9 15	89	BT
620	Apply Coatings (Barrel Action)		9/25/89	TJH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/6/89	GS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10/16/89	JCL
	G) Safety Off Force	3	3	3			10/16/89	JCL
	H) Trigger Pull Test & Retainability						16 Oct 89	JSS
	I) Firing Pin Indent	.021	.0215	.021			10/16/89	JCL
	J) Assemble Stock						10/17/89	KW
	K) Assemble Swivel Studs						19 Oct 89	JSS
	L) Attach Front and Rear Sight Assemblies						10/17/89	KW
	M) Iron Sight Alignment						10/17/89	KW
	N) Detach Front & Rear Sights & place in numbered container						10/17/89	KW
	O) Attach Scope to Rifle						17 Oct 89	JSS
	P) Detach & Attach Scope 20 Times						17 Oct 89	JSS
640	Gallery Target & Test						10-18-89	DH
	A) Time						10-18-89	DH
	B) Malfunctions						10-18-89	DH
	C) Pierced Primers						10-18-89	DH
	D) Optical Clearity of Scope						10-18-89	DH
645	Inspect for Live Ammo						10-18-89	DH
655	Final Inspection A) Headspace						19 Oct 89	JSS
	B) Trigger Pull	262	270	244	256	247	19 Oct 89	JSS
	C) Function						19 Oct 89	JSS
660	Pack						20 Oct 89	JSS

RC-52

SWS TRIGGER PULL TEST

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

SERIAL NO. C6348921
DATE 12 MAR 90
TESTER QB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.51	230		231	MIN. SETTING,
PULL #2	2.46	229		224	NO AVG. OF 5
PULL #3	251	218		226	READINGS ACCEPT-
PULL #4	241	229		215	ABLE LESS THAN 2#
PULL #5	228	227		232	
TOTAL	1193	1133			
AVG.	2.386	2.266			

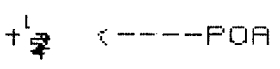
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	361	344		
PULL #2	360	345		
PULL #3	357	343		
PULL #4	329	349		
PULL #5	341	317		
TOTAL	1748	1698		
AVG.	3.496	3.396		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	434	425		
PULL #2	433	419		
PULL #3	431	420		
PULL #4	435	422		
PULL #5	408	395		
TOTAL	2141	2081		
AVG.	4.282	4.162		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348921
18 Oct 1989

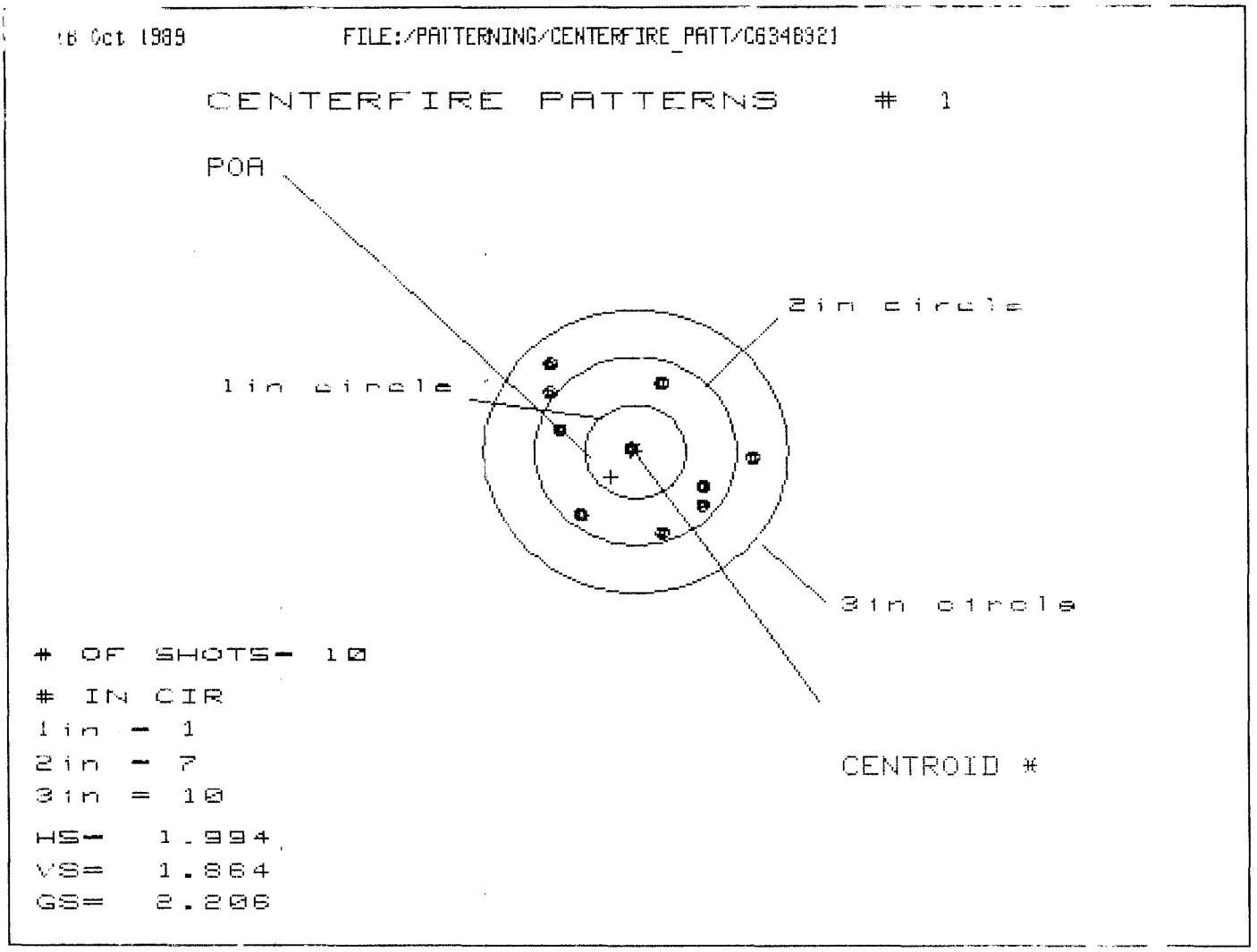
CENTROIDAL DISTANCES

0	TO	1	.36311
1	TO	2	.495117
1	TO	3	.431978
1	TO	4	.594969
1	TO	5	.484489

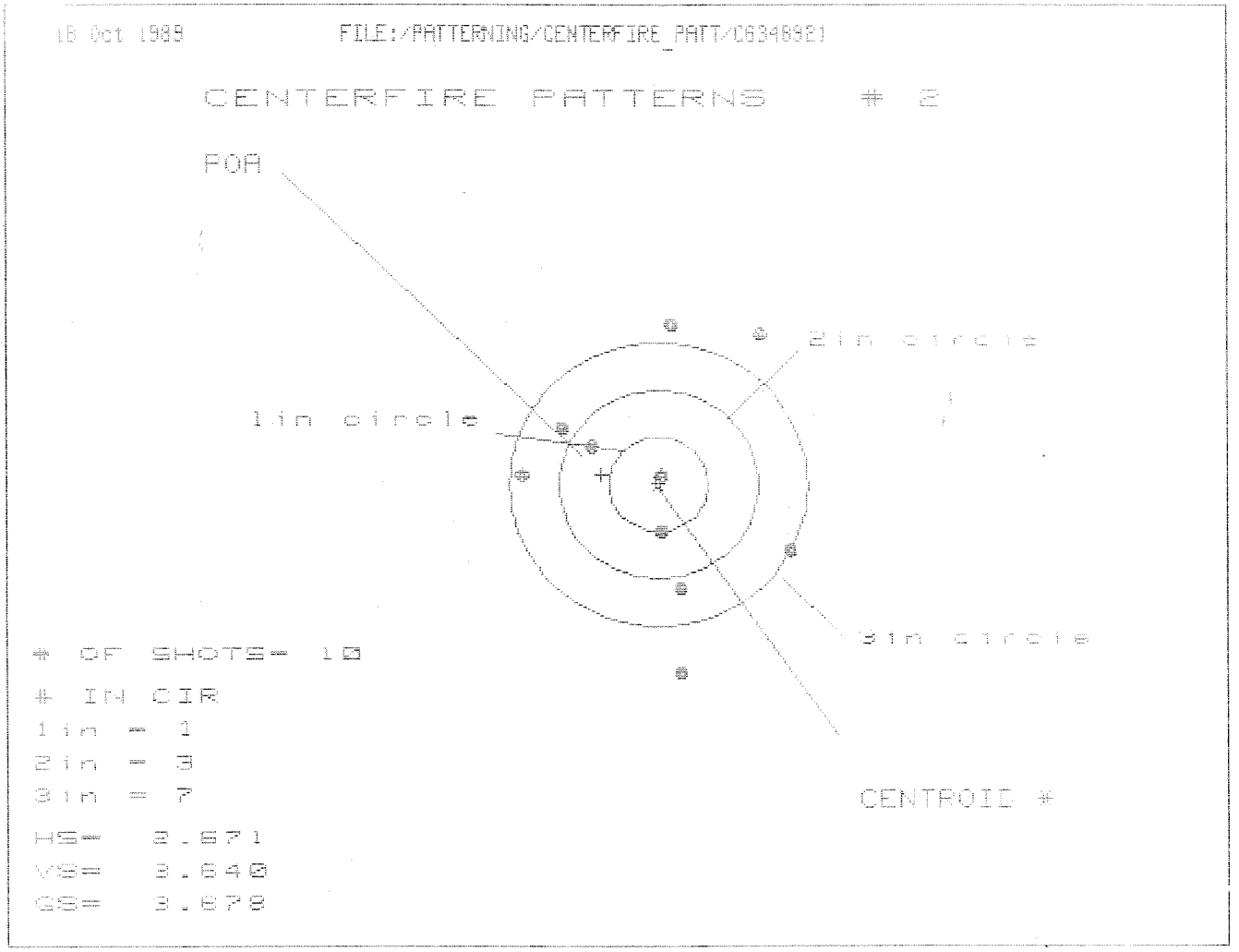


THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4444
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0742
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .450552

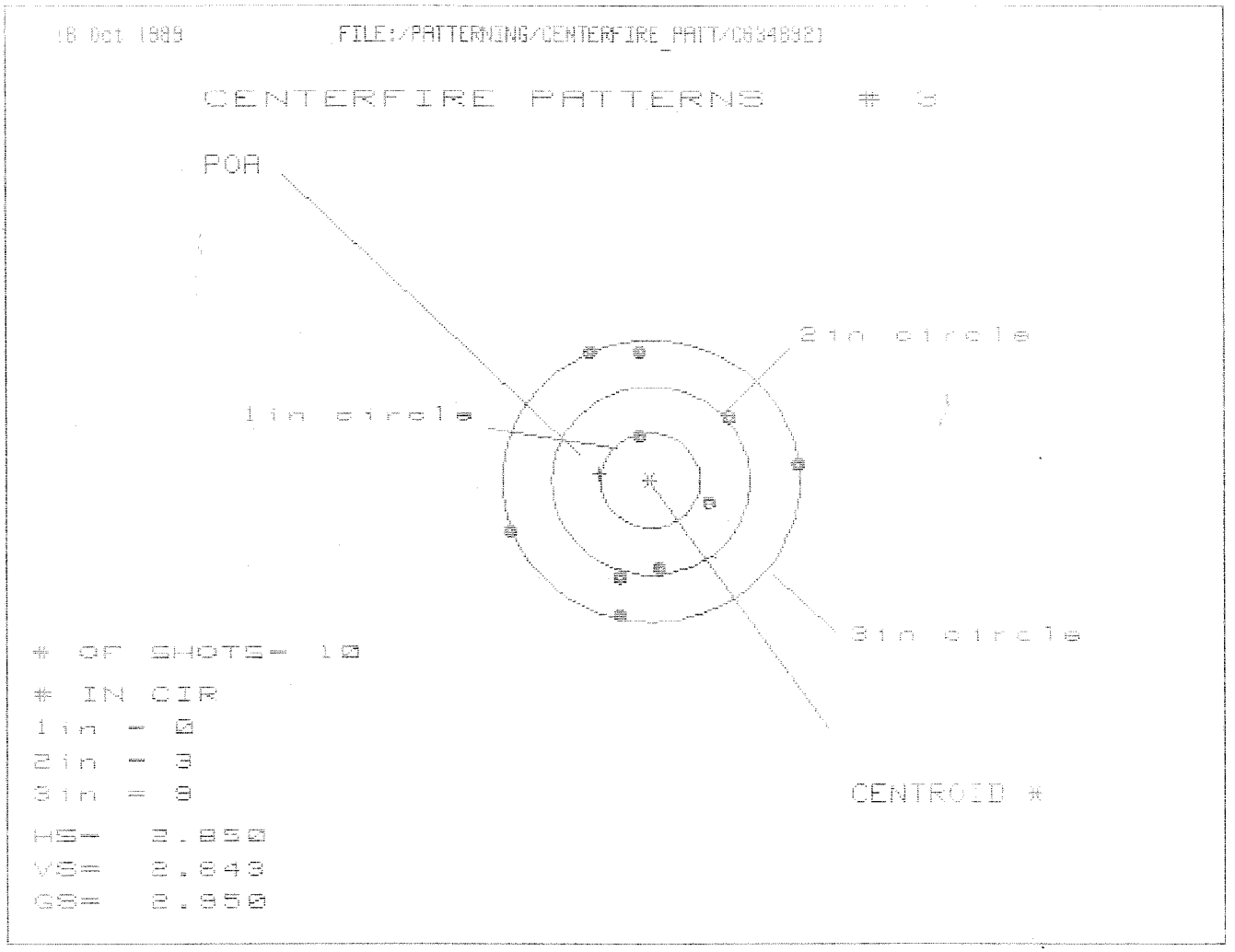
THE AMR FOR THIS RIFLE IS: 1.083



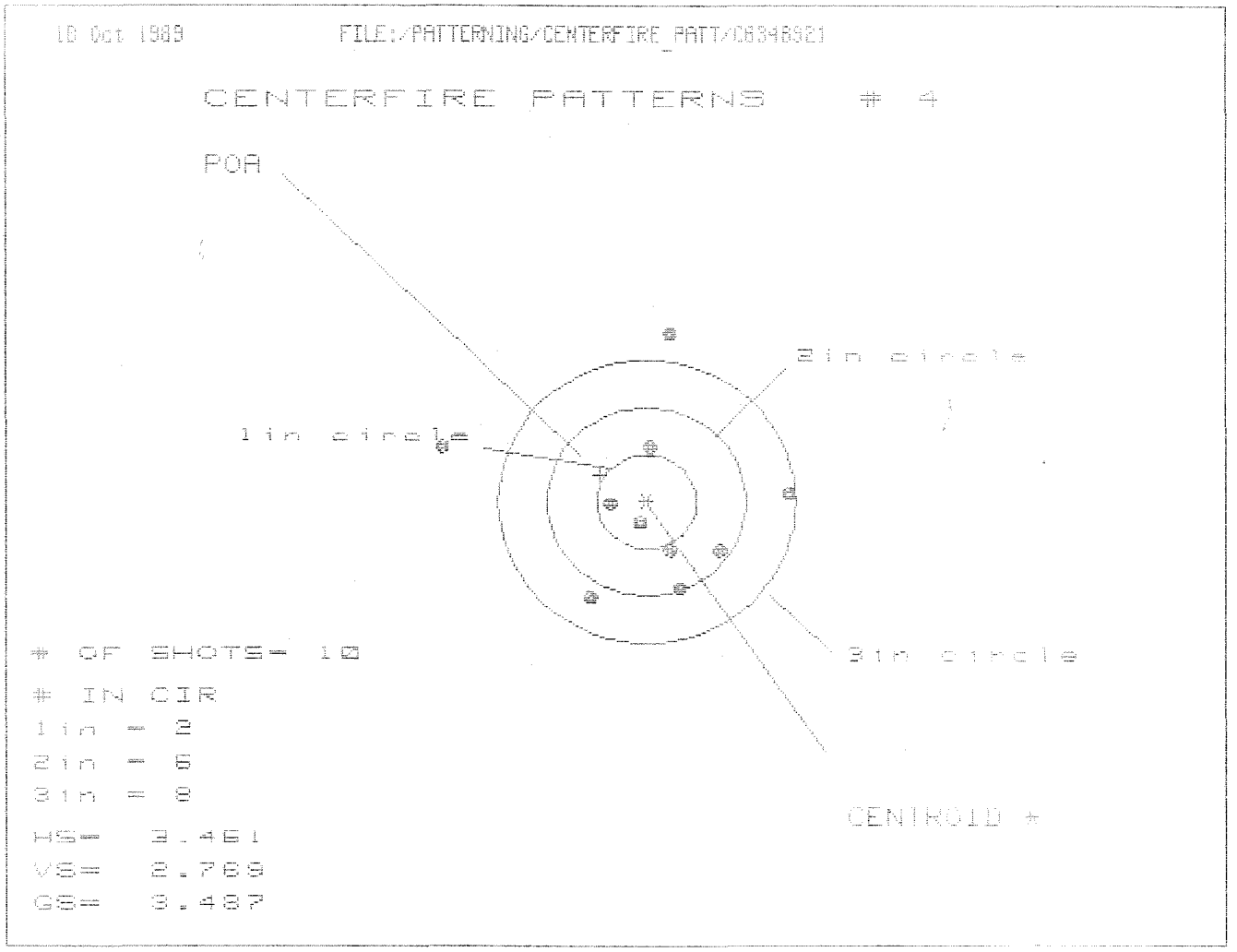
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.126	1.037	.744
MINIMUM X	:	-.868	-.957	-.828
MAXIMUM Y	:	.963	.859	.859
MINIMUM Y	:	-.901	-.794	-.794
CENTROID X	:	.245	.334	.205
CENTROID Y	:	.268	.161	.161
POA TO CENTROID in.	:	.363	.371	.261
MIN RADIUS	:	.035	.174	.134
MEAN RADIUS	:	.846	.797	.761
MAX RADIUS	:	1.253	1.186	1.083
HORIZONTAL SPREAD	:	1.994	1.994	1.572
VERTICAL SPREAD	:	1.864	1.653	1.653
EXTREME SPREAD	:	2.206	2.114	1.949
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	



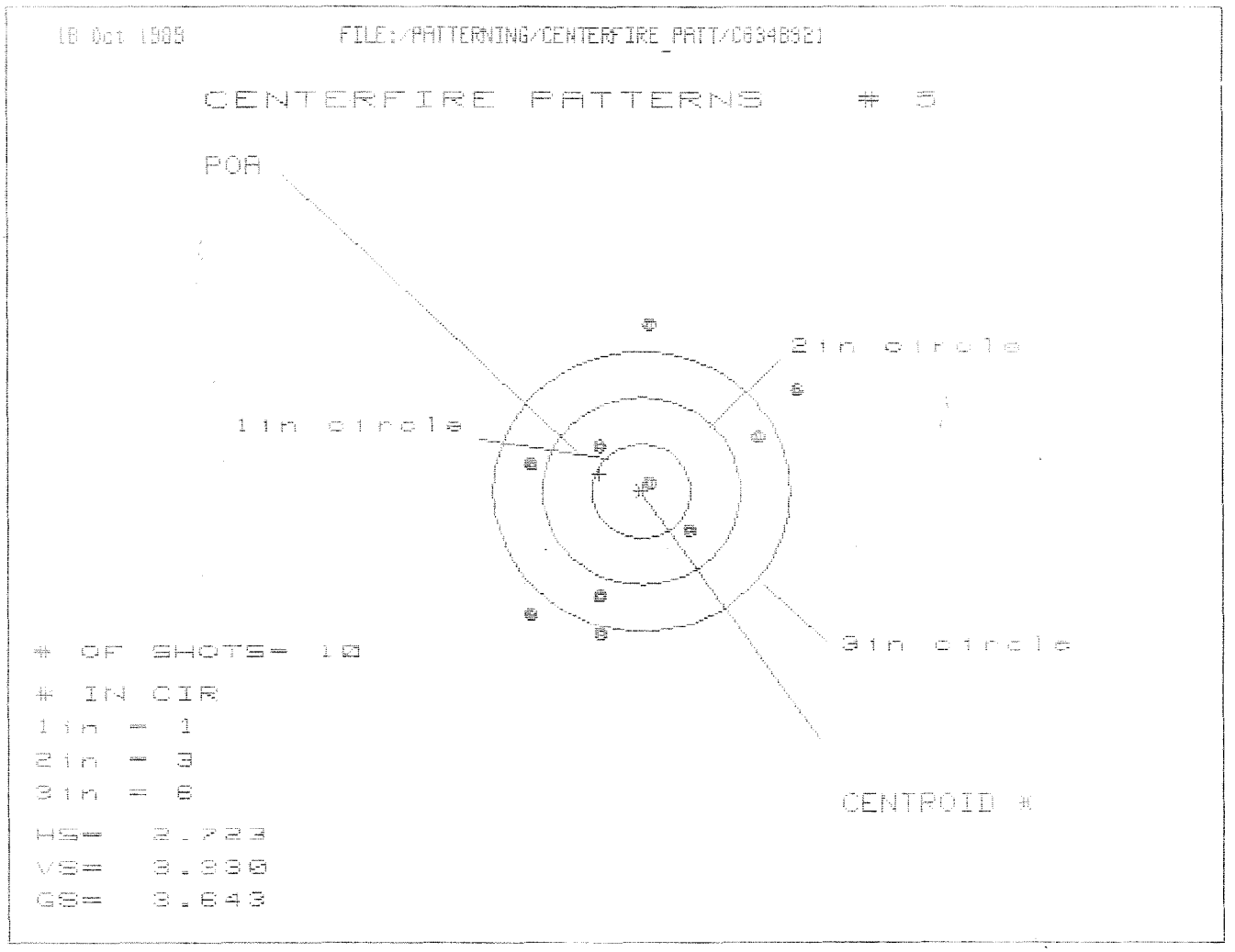
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.305	1.334	1.468
MINIMUM X	:	-1.366	-1.337	-1.204
MAXIMUM Y	:	1.659	1.439	1.613
MINIMUM Y	:	-1.981	-1.361	-1.137
CENTROID X	:	.574	.545	.411
CENTROID Y	:	-.102	.118	-.056
POA TO CENTROID in.	:	.582	.558	.415
MIN RADIUS	:	.106	.162	.228
MEAN RADIUS	:	1.213	1.127	1.018
MAX RADIUS	:	1.998	1.755	1.646
HORIZONTAL SPREAD	:	2.671	2.671	2.671
VERTICAL SPREAD	:	3.640	2.800	2.800
EXTREME SPREAD	:	3.678	2.871	2.802
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	8		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.467	1.395	1.213
MINIMUM X	:	-1.383	-1.455	-.617
MAXIMUM Y	:	1.393	1.480	1.432
MINIMUM Y	:	-1.450	-1.296	-1.344
CENTROID X	:	.514	.586	.768
CENTROID Y	:	-.070	-.224	-.176
POA TO CENTROID in.	:	.519	.628	.788
MIN RADIUS	:	.522	.503	.332
MEAN RADIUS	:	1.156	1.098	1.023
MAX RADIUS	:	1.537	1.507	1.487
HORIZONTAL SPREAD	:	2.850	2.850	1.838
VERTICAL SPREAD	:	2.843	2.776	2.776
EXTREME SPREAD	:	2.950	2.950	2.780
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.441	1.217	1.214
MINIMUM X	:	-2.020	-.762	-.785
MAXIMUM Y	:	1.753	1.814	.911
MINIMUM Y	:	-1.016	-.955	-.726
CENTROID X	:	.467	.691	.694
CENTROID Y	:	-.284	-.345	-.572
POA TO CENTROID in.	:	.546	.773	.900
MIN RADIUS	:	.251	.346	.192
MEAN RADIUS	:	1.001	.863	.690
MAX RADIUS	:	2.094	1.815	1.282
HORIZONTAL SPREAD	:	3.461	1.979	1.979
VERTICAL SPREAD	:	2.769	2.769	1.639
EXTREME SPREAD	:	3.487	2.865	2.285
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.597	1.351	1.386
MINIMUM X	:	-1.126	-.949	-.914
MAXIMUM Y	:	1.768	1.894	.940
MINIMUM Y	:	-1.562	-1.436	-1.200
CENTROID X	:	.422	.245	.210
CENTROID Y	:	-.183	-.309	-.545
POA TO CENTROID in.	:	.460	.394	.585
MIN RADIUS	:	.133	.350	.538
MEAN RADIUS	:	1.199	1.116	1.010
MAX RADIUS	:	1.955	1.913	1.674
HORIZONTAL SPREAD	:	2.723	2.300	2.300
VERTICAL SPREAD	:	3.830	3.380	2.139
EXTREME SPREAD	:	3.843	3.372	2.964
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	