C661573

MODEL 700™ M24

Model SWS™

Action

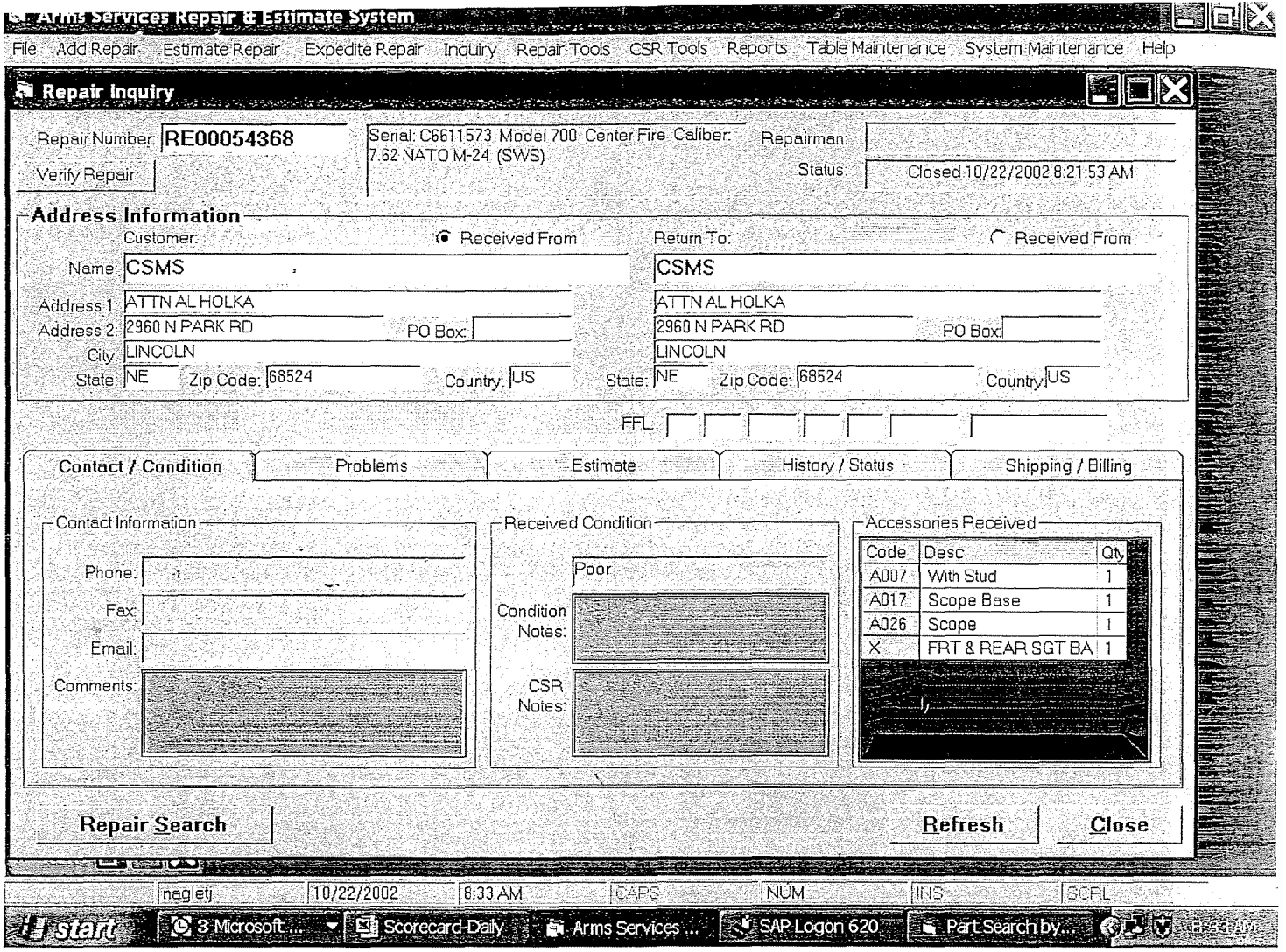
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington



Serial Number: C6611573

Model: 700

RE00054368

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611573.__0
FILE DATE AND TIME: 11/07/2002 13:42

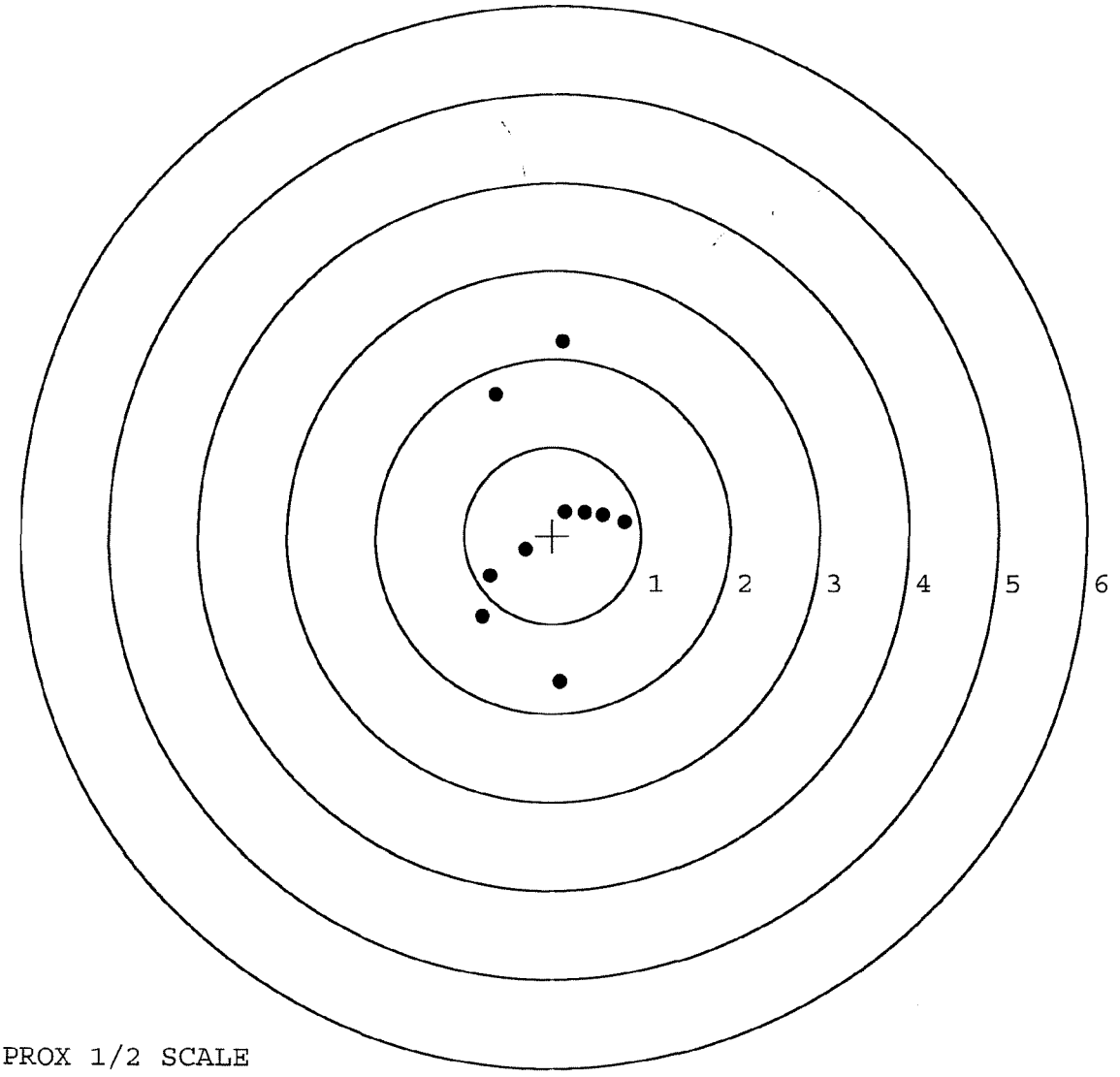
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.005
The Average Y Centroid of the Five Target Set:	0.067
The Average Point of Impact of the Five Target Set:	0.067
The Average Mean Radius of the Five Target Set:	0.760
The Distance from POA to Centroid Target #1:	0.160
The Distance from Centroid Target #2 to Centroid Target #1:	0.185
The Distance from Centroid Target #3 to Centroid Target #1:	0.170
The Distance from Centroid Target #4 to Centroid Target #1:	0.105
The Distance from Centroid Target #5 to Centroid Target #1:	0.243

SERIAL NUMBER: C6611573.__0
TARGET NUMBER: 1
FILE DATE: 11/07/2002
FILE TIME: 13:42

X CENTROID:	-0.040
Y CENTROID:	0.155
POA TO CENTROID:	0.160
HORZ SPREAD:	1.604
VERT SPREAD:	3.843
GROUP SPREAD:	3.843
MIN RADIUS:	0.213
MAX RADIUS:	2.045
MEAN RADIUS:	1.013
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	7

POINT#	X	Y
1:	0.081	-1.649
2:	-0.794	-0.916
3:	-0.708	-0.455
4:	-0.308	-0.158
5:	0.138	0.271
6:	0.356	0.266
7:	0.562	0.239
8:	0.810	0.148
9:	-0.648	1.606
10:	0.110	2.194

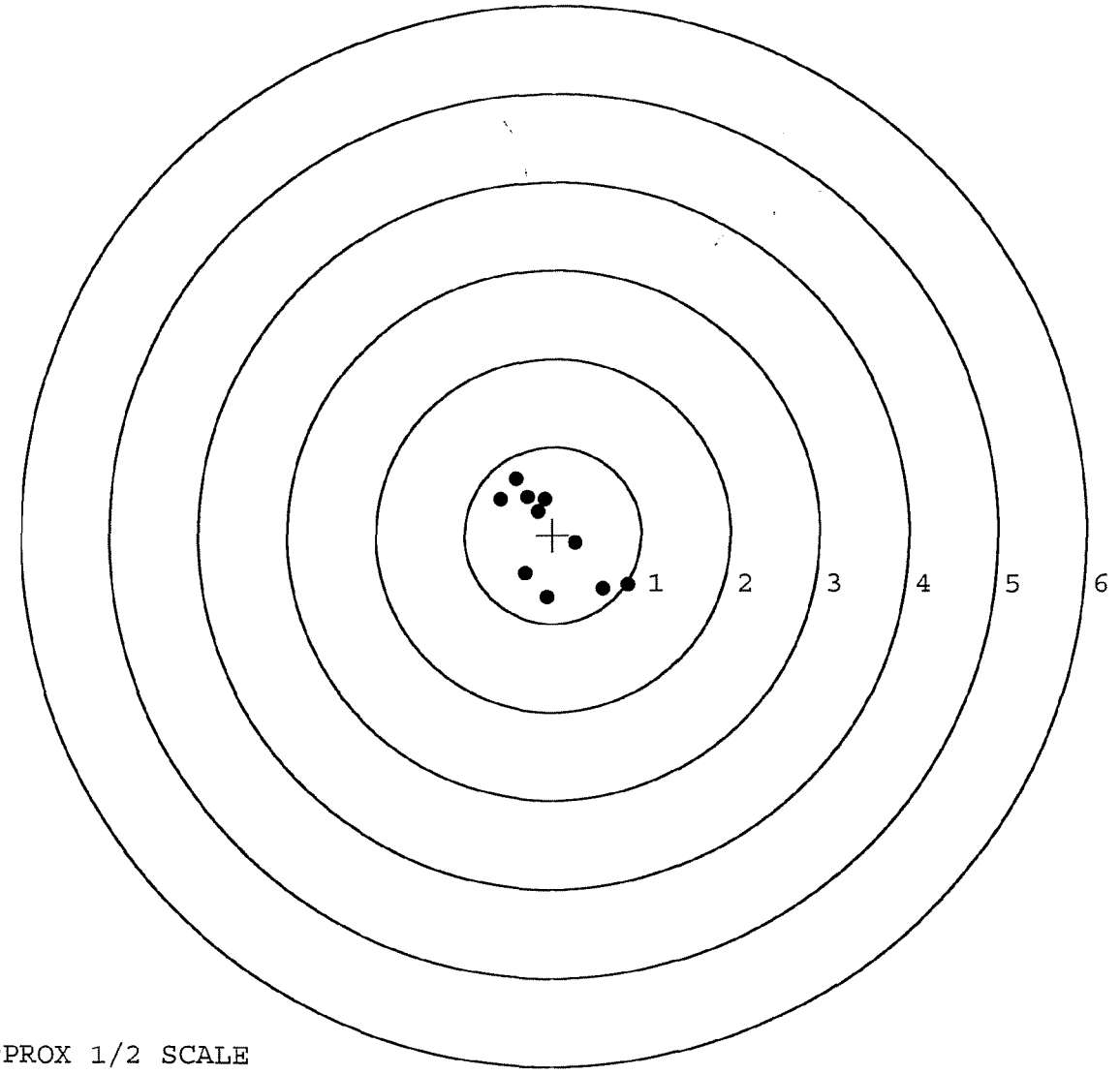


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611573.__0
TARGET NUMBER: 2
FILE DATE: 11/07/2002
FILE TIME: 13:42

X CENTROID:	-0.030
Y CENTROID:	-0.030
POA TO CENTROID:	0.042
HORZ SPREAD:	1.448
VERT SPREAD:	1.338
GROUP SPREAD:	1.749
MIN RADIUS:	0.297
MAX RADIUS:	1.032
MEAN RADIUS:	0.612
# IN 1 IN DIAMETER:	4
# IN 2 IN DIAMETER:	9
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.850	-0.568
2:	0.571	-0.614
3:	0.259	-0.097
4:	-0.072	-0.707
5:	-0.315	-0.439
6:	-0.177	0.266
7:	-0.098	0.406
8:	-0.298	0.430
9:	-0.423	0.631
10:	-0.598	0.394

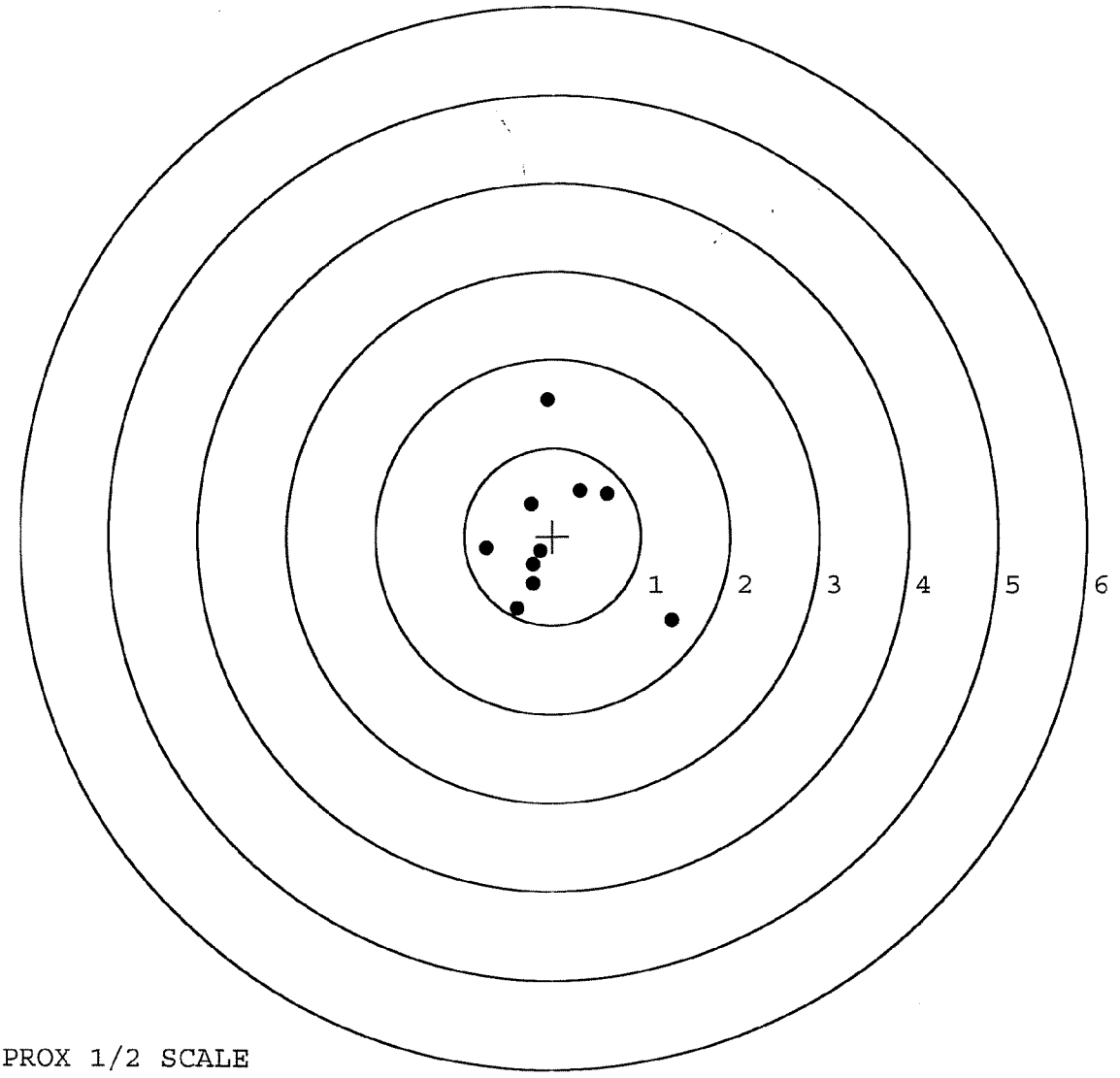


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611573.__0
TARGET NUMBER: 3
FILE DATE: 11/07/2002
FILE TIME: 13:42

X CENTROID:	0.024
Y CENTROID:	-0.003
POA TO CENTROID:	0.024
HORZ SPREAD:	2.092
VERT SPREAD:	2.495
GROUP SPREAD:	2.865
MIN RADIUS:	0.234
MAX RADIUS:	1.628
MEAN RADIUS:	0.792
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	1.345	-0.955
2:	-0.401	-0.814
3:	-0.220	-0.534
4:	-0.140	-0.170
5:	-0.747	-0.140
6:	-0.245	0.367
7:	0.313	0.517
8:	0.620	0.482
9:	-0.064	1.540
10:	-0.224	-0.325

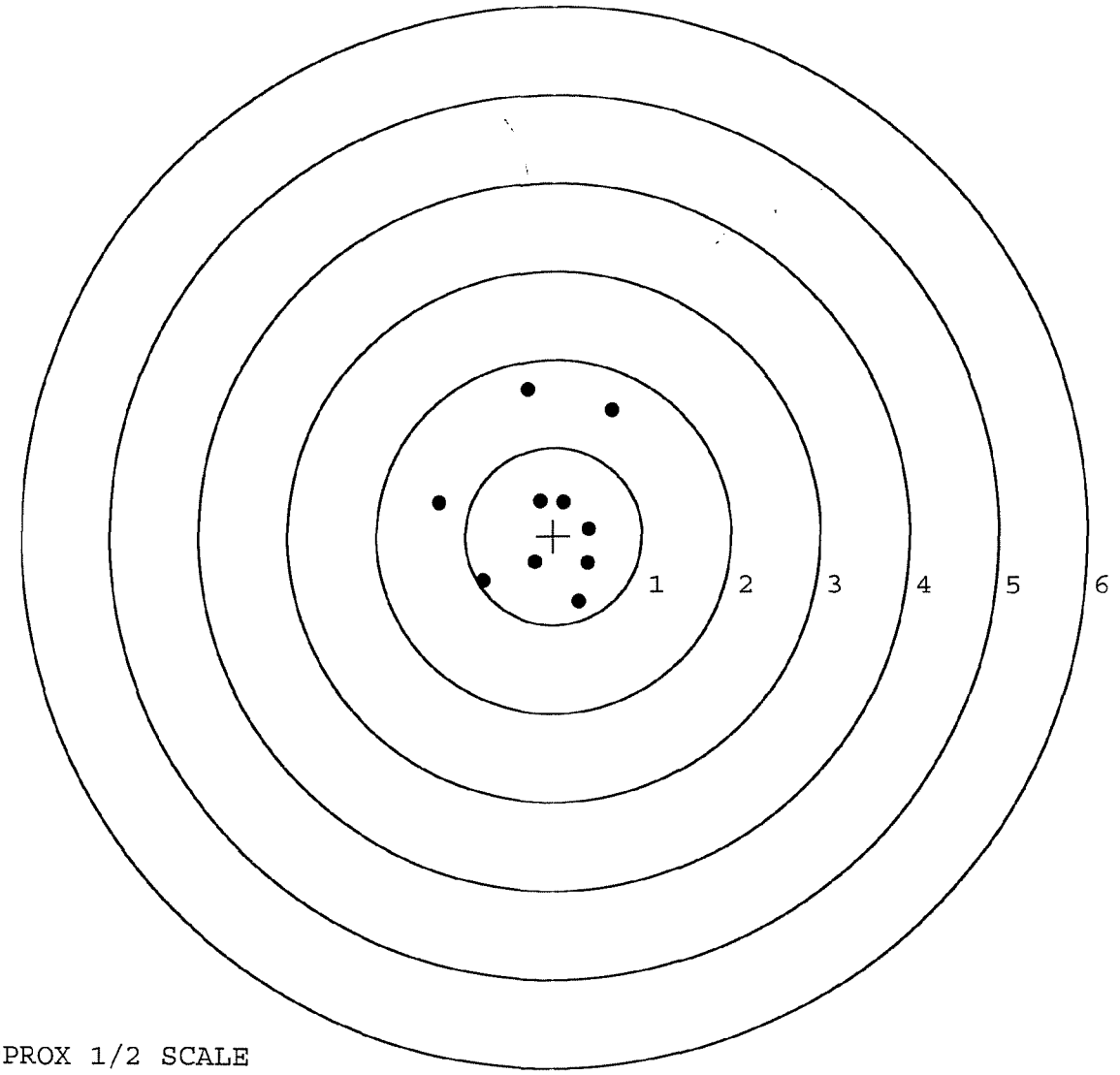


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611573.__0
TARGET NUMBER: 4
FILE DATE: 11/07/2002
FILE TIME: 13:42

X CENTROID:	-0.091
Y CENTROID:	0.247
POA TO CENTROID:	0.263
HORZ SPREAD:	1.960
VERT SPREAD:	2.410
GROUP SPREAD:	2.480
MIN RADIUS:	0.167
MAX RADIUS:	1.433
MEAN RADIUS:	0.837
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	5
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.800	-0.509
2:	-0.212	-0.296
3:	-1.297	0.377
4:	-0.294	1.665
5:	0.663	1.426
6:	-0.159	0.399
7:	0.110	0.384
8:	0.399	0.080
9:	0.391	-0.312
10:	0.293	-0.745

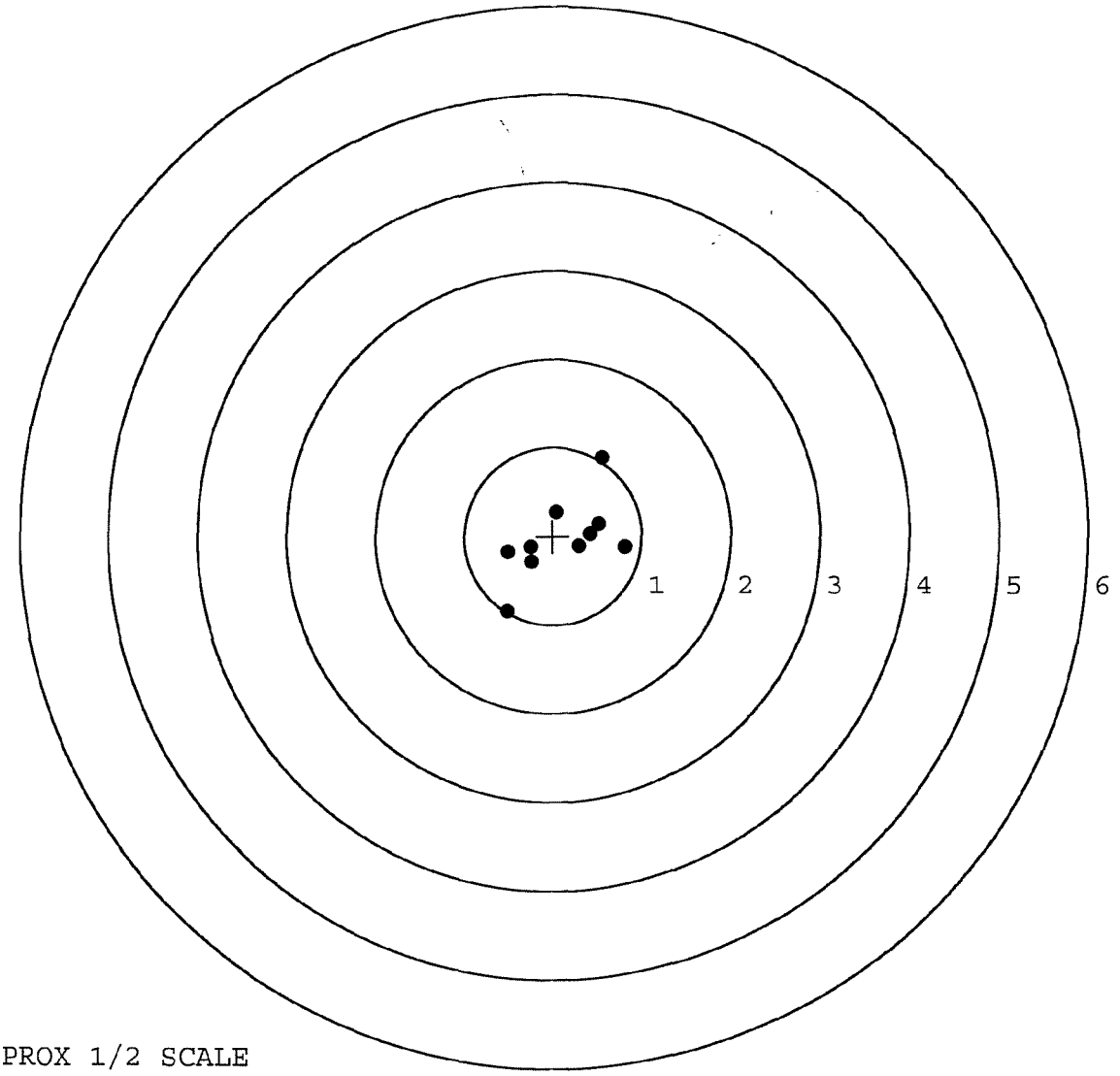


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611573.__0
TARGET NUMBER: 5
FILE DATE: 11/07/2002
FILE TIME: 13:42

X CENTROID:	0.112
Y CENTROID:	-0.035
POA TO CENTROID:	0.117
HORZ SPREAD:	1.335
VERT SPREAD:	1.735
GROUP SPREAD:	2.043
MIN RADIUS:	0.199
MAX RADIUS:	1.030
MEAN RADIUS:	0.547
# IN 1 IN DIAMETER:	6
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	0.816	-0.126
2:	0.559	0.886
3:	0.034	0.273
4:	-0.519	-0.849
5:	-0.508	-0.180
6:	-0.248	-0.122
7:	-0.242	-0.289
8:	0.295	-0.111
9:	0.415	0.031
10:	0.514	0.140



TARGET APPROX 1/2 SCALE

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

SERIAL NO. _____

DATE 10-24-02

TESTER TRW

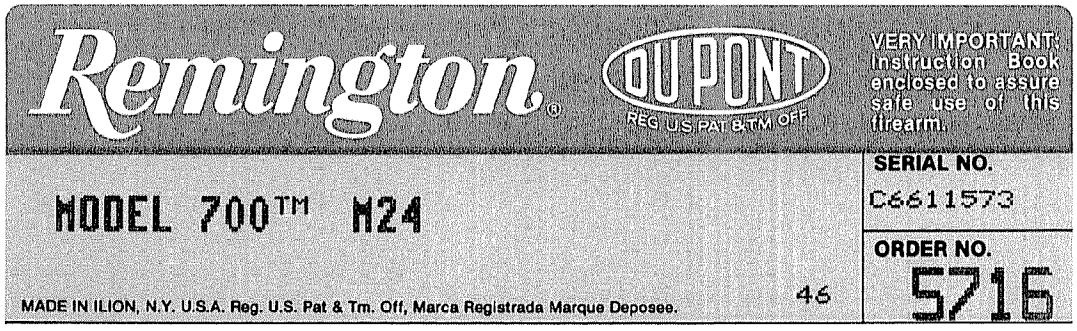
	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.47		2.22	MIN. SETTING,
PULL #2	2.20	2.36		2.51	NO AVG. OF 5
PULL #3	2.30	2.34		2.20	READINGS ACCEPT-
PULL #4	2.32	2.43		2.42	ABLE LESS THAN 2
PULL #5	2.30	2.29		2.20	
TOTAL	11.49	11.89		11.55	
AVG.	2.29	2.37		2.31	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.27		
PULL #2	3.19	3.26		
PULL #3	3.15	3.20		
PULL #4	3.17	3.27		
PULL #5	3.19	3.32		
TOTAL	15.97	16.32		
AVG.	3.19	3.26		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FO TARGET & ACCUR
PULL #1	4.22	4.18		4.39
PULL #2	4.02	4.06		4.29
PULL #3	4.13	4.24		4.25
PULL #4	4.15	4.23		4.18
PULL #5	4.05	4.08		4.20
TOTAL	20.57	20.79		21.31
AVG.	4.11	4.15		4.26

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	54368		
SERIAL NUMBER	C16611573		
LOG-IN DATE	10/22/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10/24/02	RL
560 A	RE-BARREL	10-24-02	DA
B	DRILL AND TAP	10-29-02	TRW
575	ASSEMBLE	10-24-02	RW
600	PROOF	10-24-02	RW
605	CHECK HEADSPACE	10-24-02	RW
610	DIS-ASSEMBLE GUN	10-24-02	RW
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST	10/29/02	RO
620	APPLY COATINGS	10/30	TA
625 A	FINAL ASSEMBLY	11/1/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-6-02	TRW
655	FINAL INSPECT	11-6-02	RW
660	PACK	11-12-02	DA
		SHIP DATE	
	QAR INSPECTION DATE		



M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611573

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/26/91	K.S.
600	Proof		3/26/91	K.S.
607	Check Headspace		3/26/91	K.S.
610	Dis-assemble Gun		3/26/91	K.S.
612	Magnaflux Barrel Action	APR	2 1991	KR
	Magnaflux Bolt	APR	2 1991	KR
615	Rollmark Caliber	APR	2 1991	KR
617	Drill and Tap Sight Holes	APR	5 1991	KB
618	Polish Barrel	APR	5 1991	WB
620	Apply Coatings (Barrel Action)		4-10-91	KS
	Apply Coating (Bolt)		4-10-91	KS
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	KS
	C) Inspect Ejector Hole for Chamfer		4/10/91	KS
	D) Oil Firing Pin Ass'y		4/10/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		4/15/91	KS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6 1/4			4-9-91	DH
	G) Safety Off Force	2	2	2			4-9-91	DH
	H) Trigger Pull Test & Retainability						2/15/91	KL
	I) Firing Pin Indent	.021	.021	.022			4-16-91	DH
	J) Assemble Stock						4/24/91	KA
	K) Assemble Swivel Studs						4-30-91	DH
	L) Attach Front and Rear Sight Assemblies						4/24/91	KA
	M) Iron Sight Alignment						4/24/91	KA
	N) Detach Front & Rear Sights & place in numbered container						4/24/91	KA
	O) Attach Scope to Rifle						4/24/91	KA
	P) Detach & Attach Scope 20 Times						4/24/91	KA
640	Gallery Target & Test						6/25/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clearity of Scope						"	KT
645	Inspect for Live Ammo						4/25/91	KT
655	Final Inspection A) Headspace						4-30-91	DH
	B) Trigger Pull	2.30	2.36	2.42	2.37	2.43	4/26/91	DH
	C) Function						4-30-91	DH
660	Pack						6-17-91	VC

SWS TRIGGER PULL TEST

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

SERIAL NO. C-66 11573

DATE 4/15/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.24	2.40	2.30	MIN. SETTING,
PULL #2	2.44	2.45	2.46	2.36	NO AVG. OF 5
PULL #3	2.44	2.42	2.40	2.42	READINGS ACCEPT-
PULL #4	2.40	2.45	2.43	2.37	ABLE LESS THAN 2#
PULL #5	2.53	2.41	2.45	2.43	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.13		
PULL #2	3.51	3.46		
PULL #3	3.40	3.40		
PULL #4	3.32	3.19		
PULL #5	3.25	3.39		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.47	4.34		4.18
PULL #2	4.50	4.48		4.36
PULL #3	4.36	4.58		4.31
PULL #4	4.46	4.56		4.24
PULL #5	4.47			4.22
TOTAL				
AVG.				

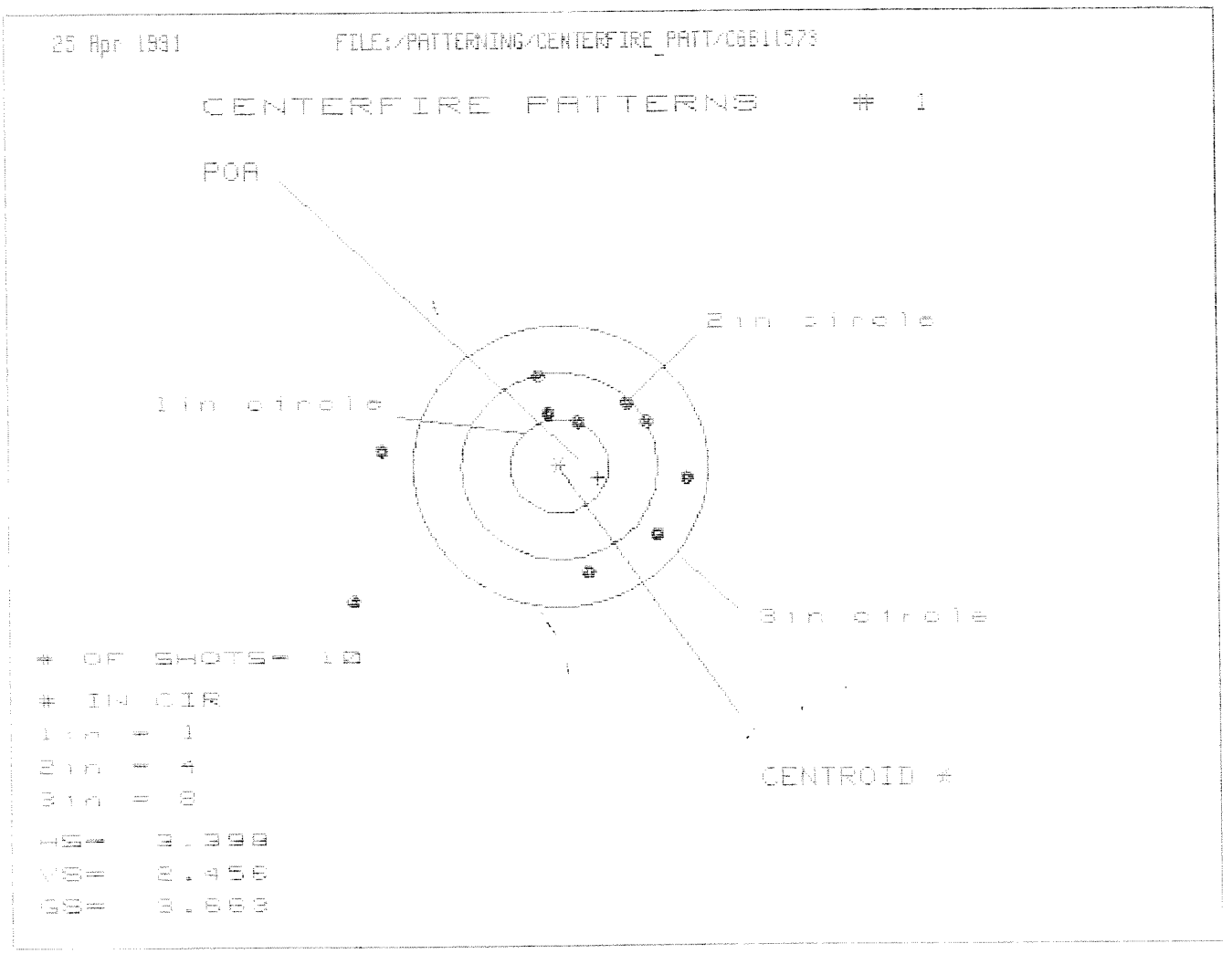
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611573
25 Apr 1991

CENTROIDAL DISTANCES

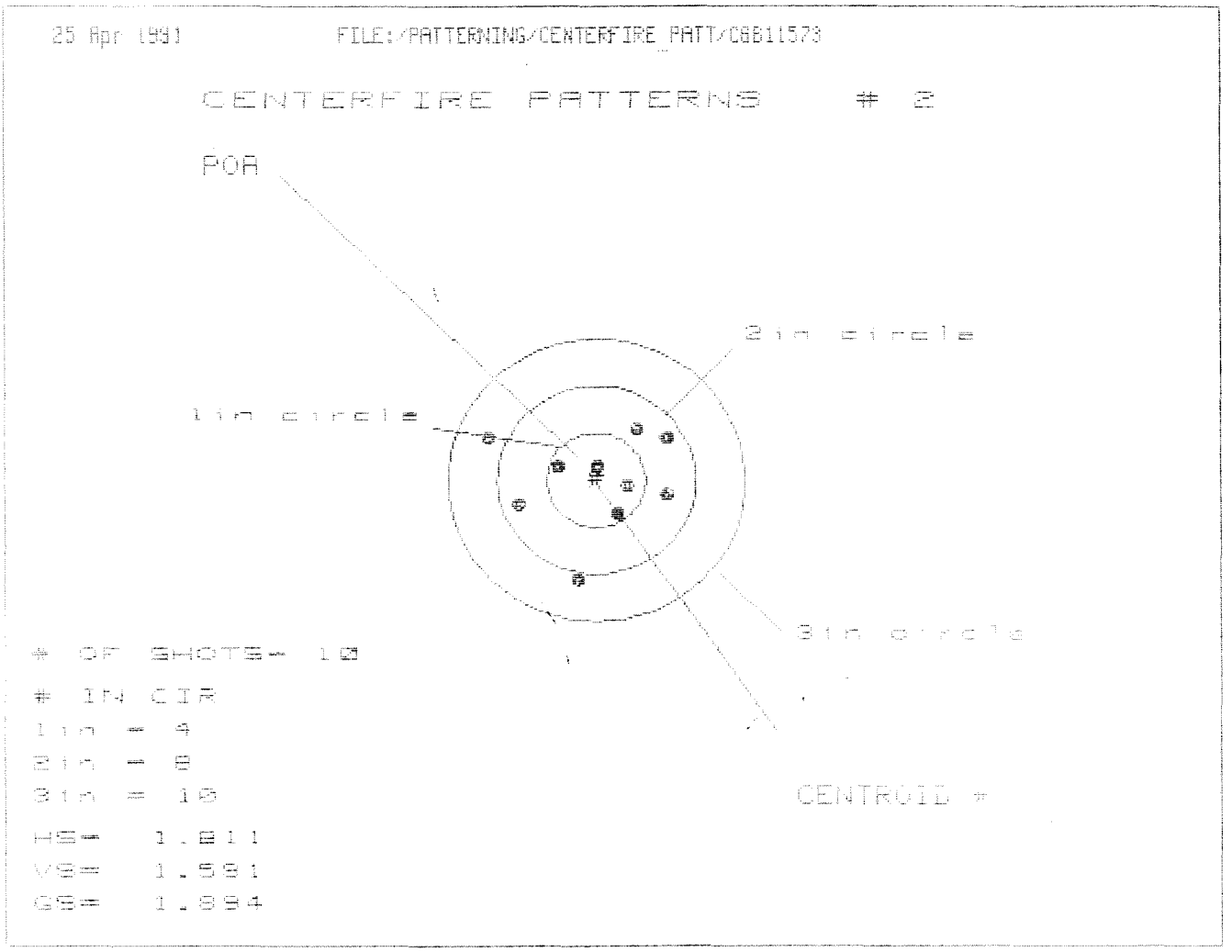
0	TO	1	.409207
1	TO	2	.417813
1	TO	3	.879885
1	TO	4	.271465
1	TO	5	.185852

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.078
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.004
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .[illegible]

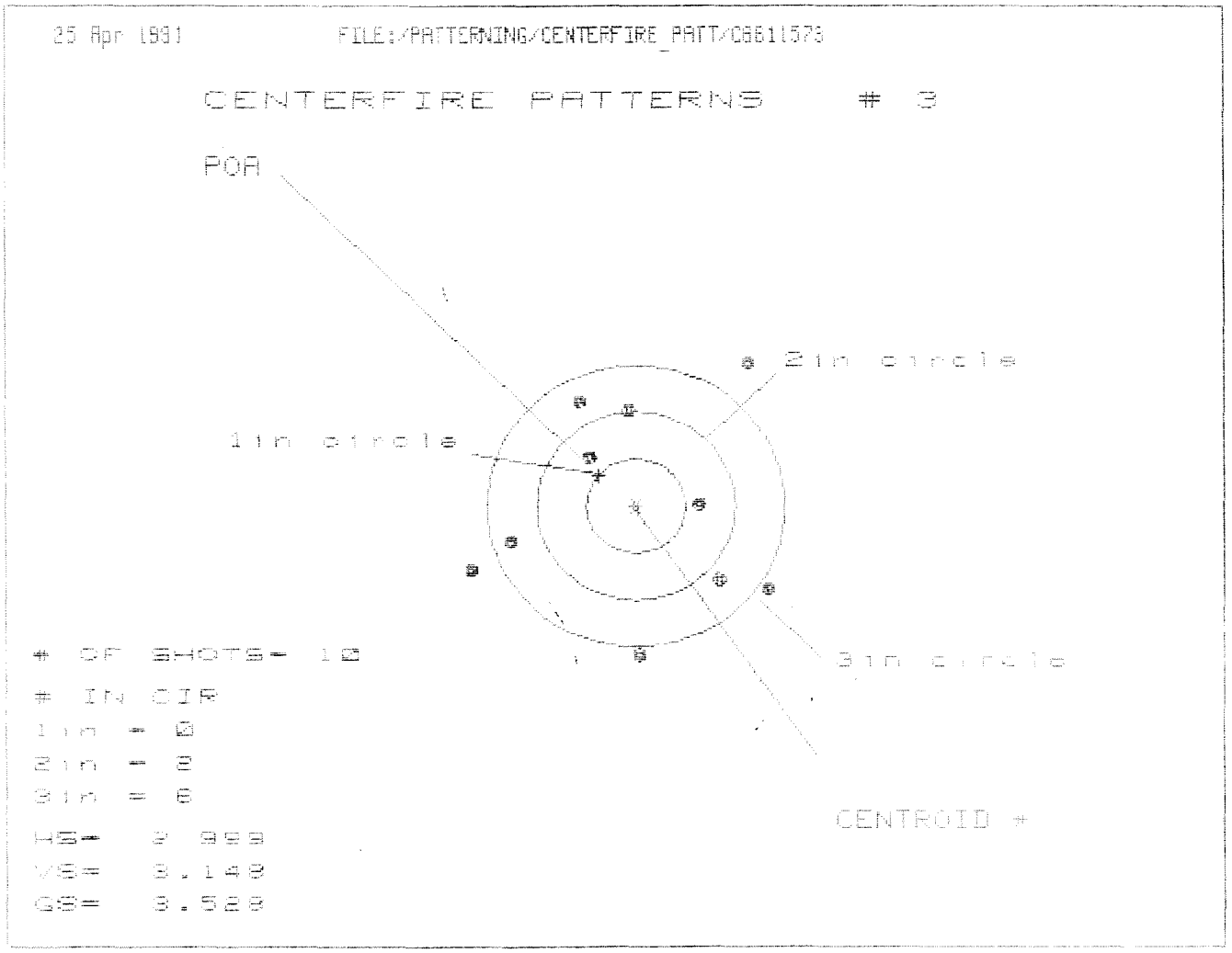
THE AMP FOR THIS RIFLE IS: 1.038



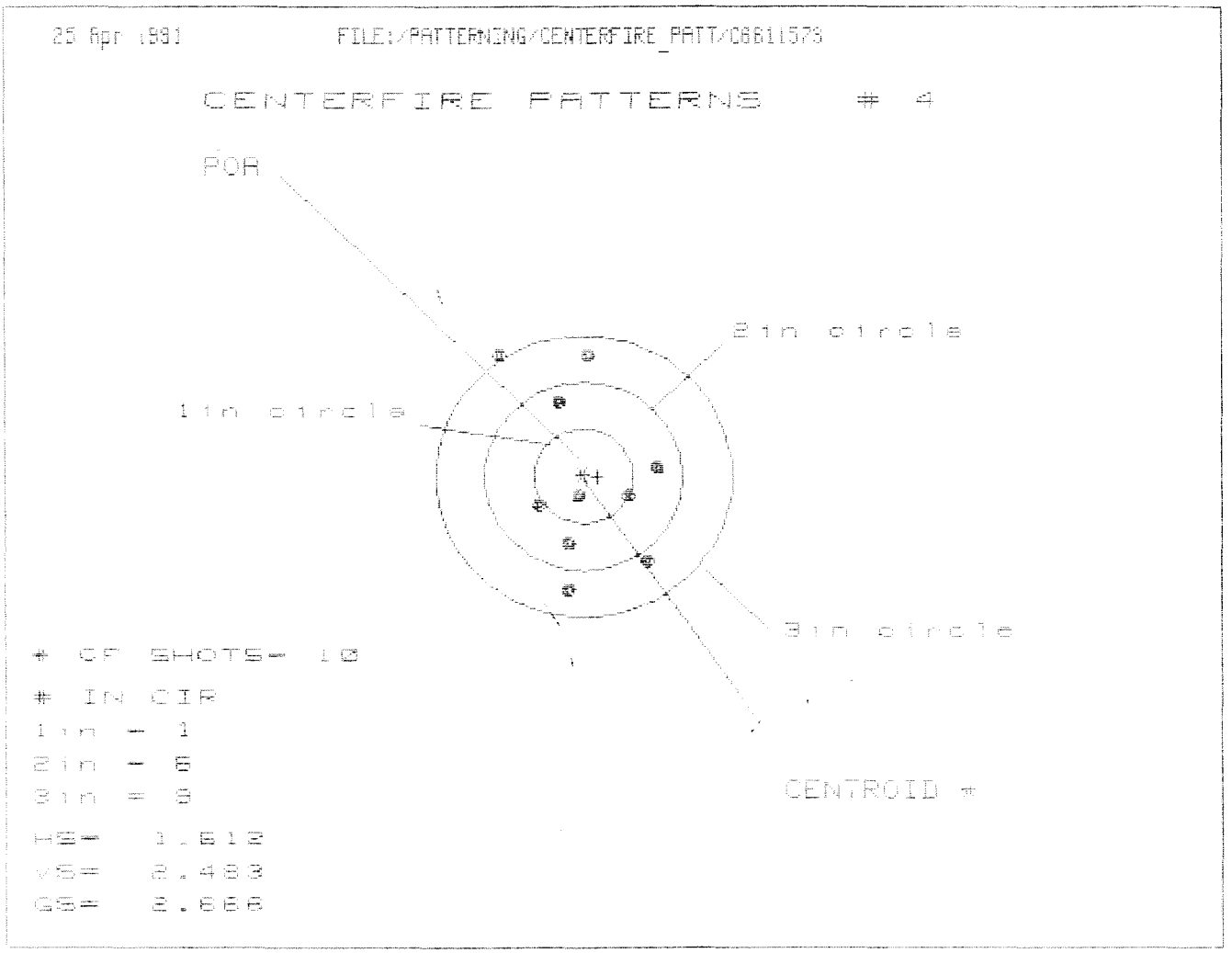
PATTERN #	:	[redacted]		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.272	1.036	.775
MINIMUM X	:	-2.126	-2.082	-.746
MAXIMUM Y	:	1.007	.846	.850
MINIMUM Y	:	-1.449	-1.283	-1.279
CENTROID X	:	-.389	-.153	.100
CENTROID Y	:	.127	.288	.284
POA TO CENTROID in.	:	.409	.326	.304
MIN RADIUS	:	.465	.278	.426
MEAN RADIUS	:	1.214	.973	.803
MAX RADIUS	:	2.575	2.083	1.285
HORIZONTAL SPREAD	:	3.398	3.118	1.521
VERTICAL SPREAD	:	2.456	2.129	2.129
EXTREME SPREAD	:	3.863	3.130	2.197
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	



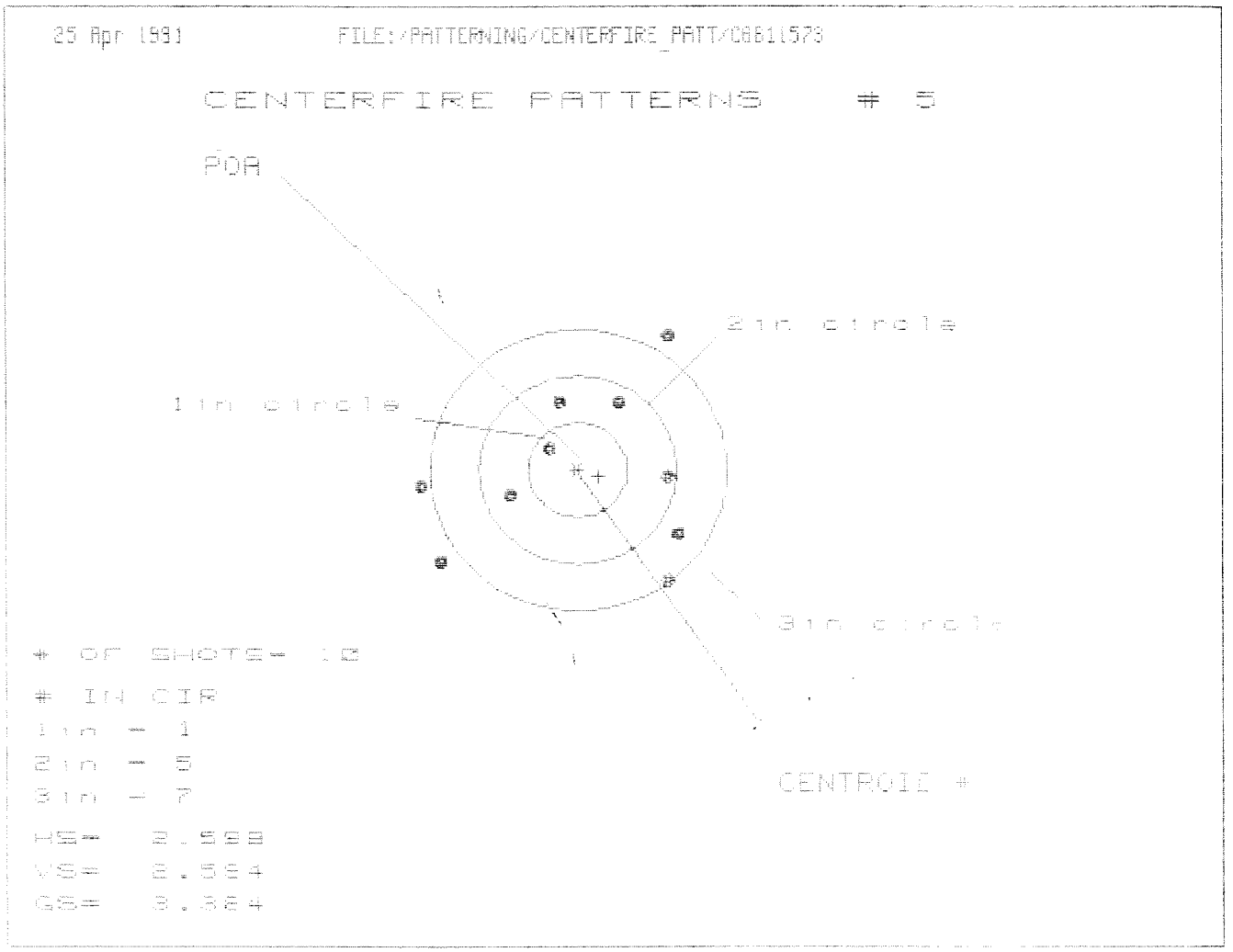
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.735	.616	.575
MINIMUM X	:	-1.076	-.863	-.904
MAXIMUM Y	:	.560	.610	.488
MINIMUM Y	:	-1.031	-.981	-.884
CENTROID X	:	-.011	.108	.149
CENTROID Y	:	-.051	-.101	.021
POA TO CENTROID in.	:	.052	.148	.151
MIN RADIUS	:	.189	.227	.207
MEAN RADIUS	:	.661	.589	.521
MAX RADIUS	:	1.167	1.034	.952
HORIZONTAL SPREAD	:	1.811	1.479	1.479
VERTICAL SPREAD	:	1.591	1.591	.872
EXTREME SPREAD	:	1.894	1.764	1.629
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.346	1.469	1.278
MINIMUM X	:	-1.653	-1.530	-1.308
MAXIMUM Y	:	1.541	1.268	1.207
MINIMUM Y	:	-1.607	-1.436	-1.497
CENTROID X	:	.369	.246	.437
CENTROID Y	:	-.320	-.491	-.438
POA TO CENTROID in.	:	.488	.549	.613
MIN RADIUS	:	.680	.815	.616
MEAN RADIUS	:	1.300	1.236	1.166
MAX RADIUS	:	1.897	1.620	1.497
HORIZONTAL SPREAD	:	2.999	2.999	2.586
VERTICAL SPREAD	:	3.148	2.704	2.704
EXTREME SPREAD	:	3.528	3.005	2.785
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		6	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.777	.685	.675
MINIMUM X	:	-.835	-.530	-.540
MAXIMUM Y	:	1.328	1.470	1.141
MINIMUM Y	:	-1.155	-1.013	-.929
CENTROID X	:	-.147	-.055	-.045
CENTROID Y	:	.004	-.130	-.322
POA TO CENTROID in.	:	.148	.149	.325
MIN RADIUS	:	.186	.146	.210
MEAN RADIUS	:	.877	.772	.662
MAX RADIUS	:	1.525	1.472	1.182
HORIZONTAL SPREAD	:	1.612	1.215	1.215
VERTICAL SPREAD	:	2.483	2.483	1.970
EXTREME SPREAD	:	2.666	2.492	1.970
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.993	1.100	.634
MINIMUM X	:	-1.605	-1.498	-1.664
MAXIMUM Y	:	1.463	.941	.848
MINIMUM Y	:	-1.131	-.968	-1.063
CENTROID X	:	-.212	-.319	-.191
CENTROID Y	:	.070	-.093	.082
POA TO CENTROID in.	:	.223	.332	.193
MIN RADIUS	:	.346	.397	.431
MEAN RADIUS	:	1.129	1.064	.996
MAX RADIUS	:	1.751	1.533	1.687
HORIZONTAL SPREAD	:	2.598	2.598	2.298
VERTICAL SPREAD	:	2.594	1.909	1.484
EXTREME SPREAD	:	3.384	2.698	2.698
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		