C6587724

MODEL 700™ M24

Model SWS™

Action

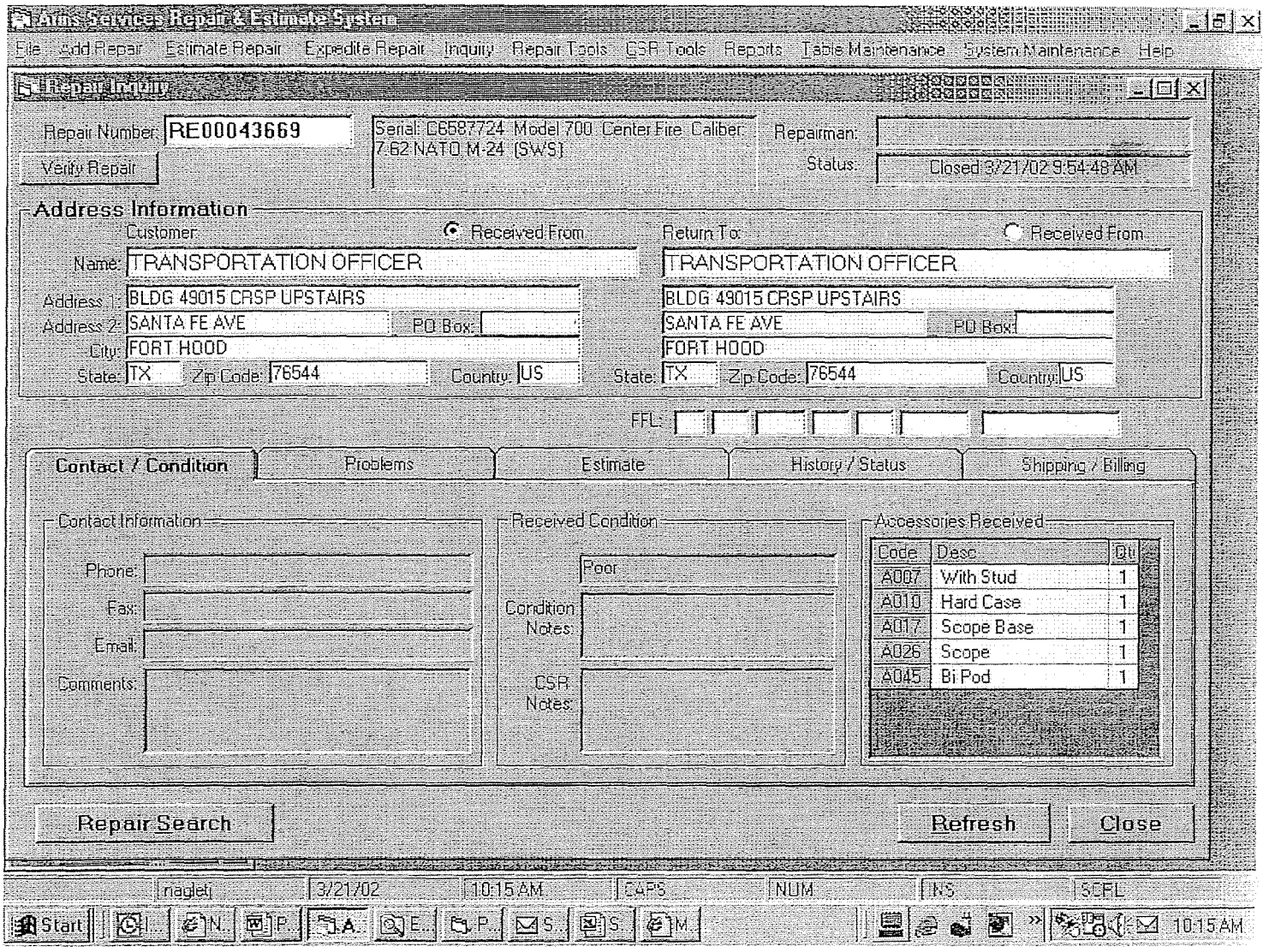
Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington



Number: C6587724

Model: 700

RE00043669

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFOMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587724.__0
FILE DATE AND TIME: 04/06/2002 23:22

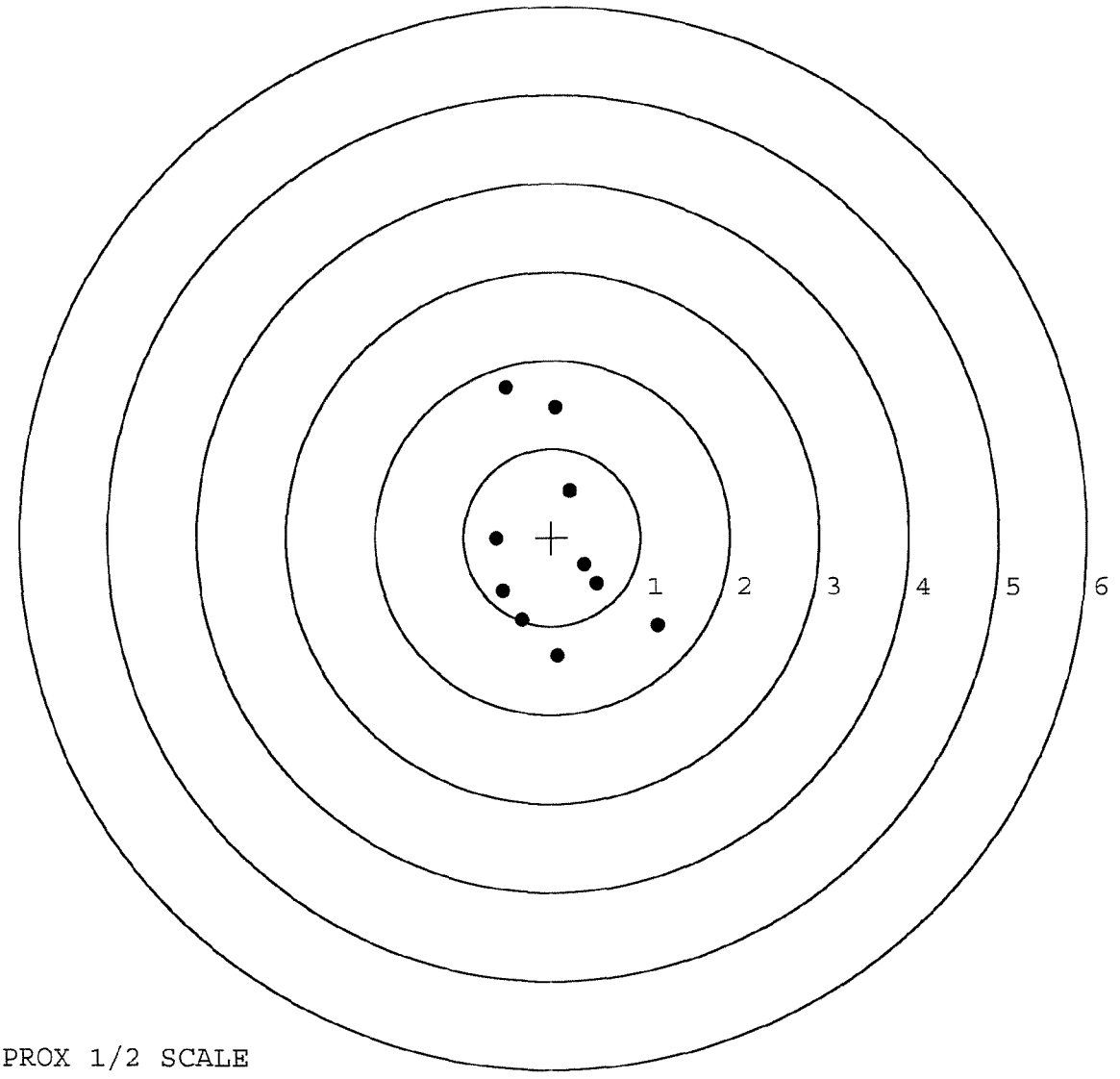
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.008
The Average Y Centroid of the Five Target Set:	-0.339
The Average Point of Impact of the Five Target Set:	0.339
The Average Mean Radius of the Five Target Set:	1.236
The Distance from POA to Centroid Target #1:	0.110
The Distance from Centroid Target #2 to Centroid Target #1:	0.064
The Distance from Centroid Target #3 to Centroid Target #1:	1.049
The Distance from Centroid Target #4 to Centroid Target #1:	0.235
The Distance from Centroid Target #5 to Centroid Target #1:	0.124

SERIAL NUMBER: C6587724.__0
TARGET NUMBER: 1
FILE DATE: 04/06/2002
FILE TIME: 23:22

X CENTROID:	0.034
Y CENTROID:	-0.105
POA TO CENTROID:	0.110
HORZ SPREAD:	1.827
VERT SPREAD:	3.032
GROUP SPREAD:	3.191
MIN RADIUS:	0.395
MAX RADIUS:	1.880
MEAN RADIUS:	1.019
# IN 1 IN DIAMETER:	1
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	8

POINT#	X	Y
1:	1.195	-0.999
2:	0.073	-1.341
3:	-0.337	-0.935
4:	-0.554	-0.613
5:	0.507	-0.521
6:	0.372	-0.310
7:	-0.632	-0.019
8:	0.204	0.525
9:	0.034	1.471
10:	-0.521	1.691

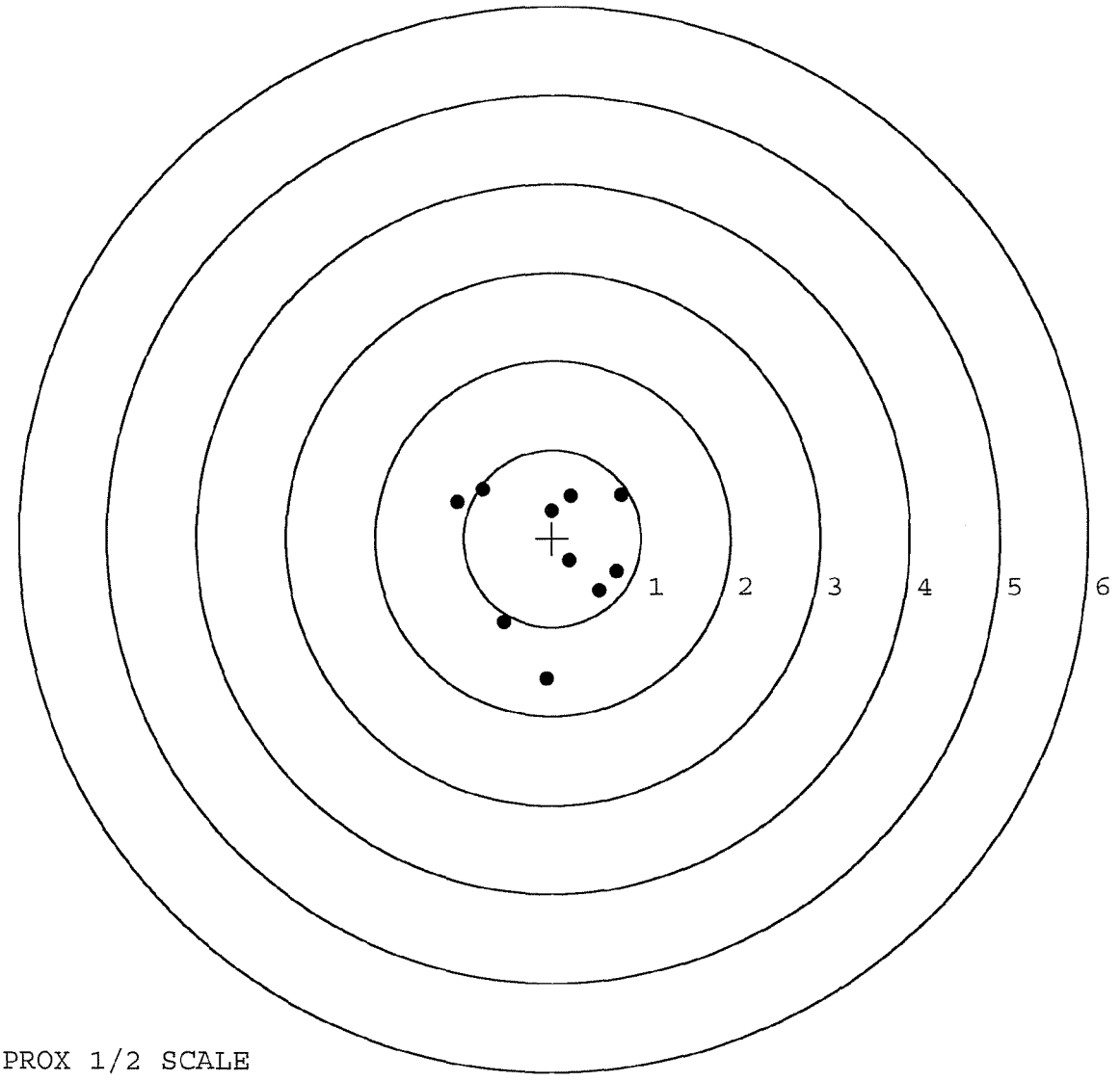


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587724.__0
TARGET NUMBER: 2
FILE DATE: 04/06/2002
FILE TIME: 23:22

X CENTROID:	-0.005
Y CENTROID:	-0.155
POA TO CENTROID:	0.155
HORZ SPREAD:	1.854
VERT SPREAD:	2.142
GROUP SPREAD:	2.262
MIN RADIUS:	0.227
MAX RADIUS:	1.438
MEAN RADIUS:	0.849
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	6
# in 3 IN DIAMETER:	10

POINT#	X	Y
1:	-0.066	-1.592
2:	-0.544	-0.948
3:	0.722	-0.380
4:	0.529	-0.598
5:	0.196	-0.260
6:	0.780	0.487
7:	0.212	0.474
8:	-0.014	0.307
9:	-0.793	0.550
10:	-1.074	0.407

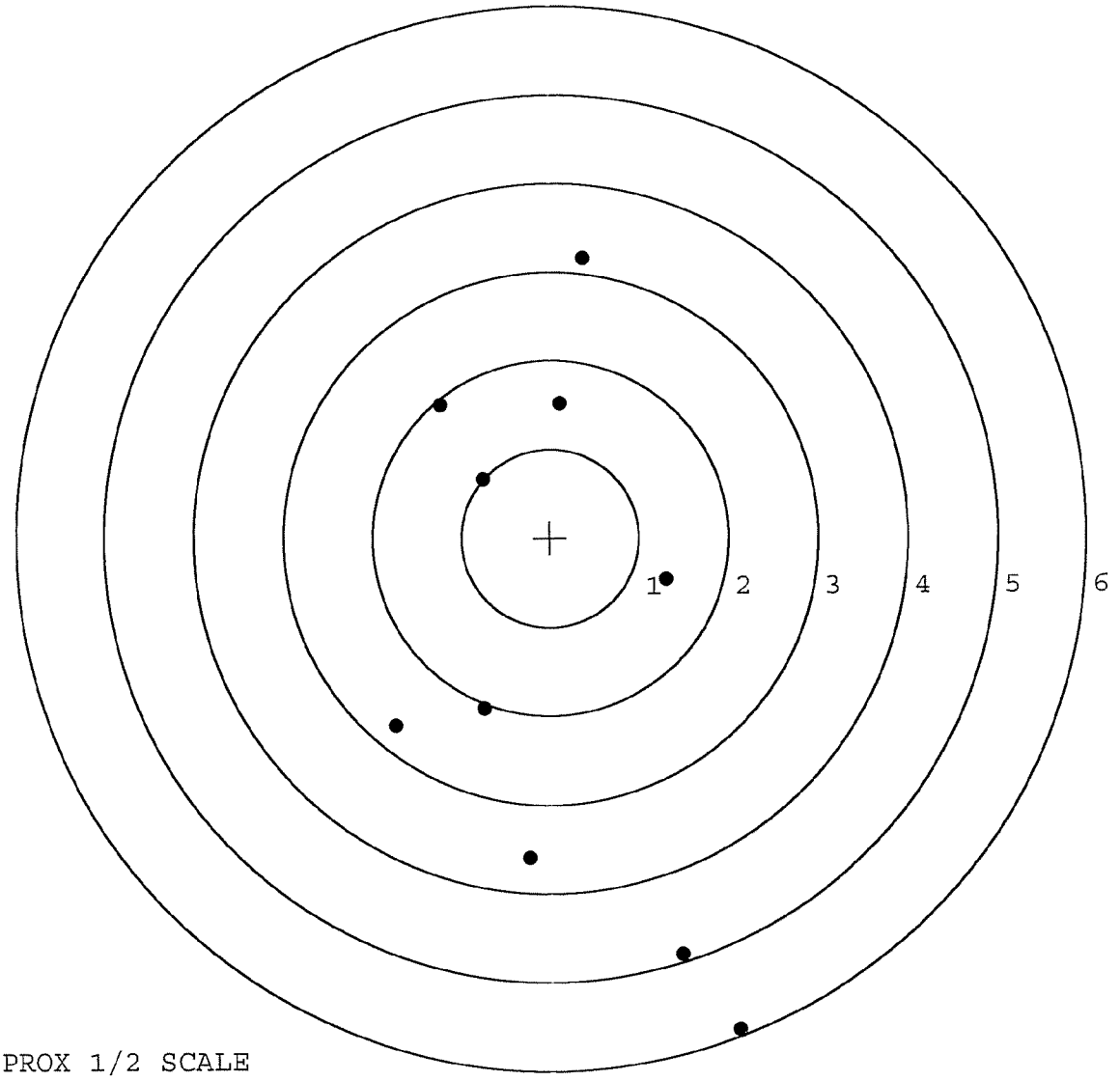


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587724.__0
TARGET NUMBER: 3
FILE DATE: 04/06/2002
FILE TIME: 23:22

X CENTROID:	0.065
Y CENTROID:	-1.154
POA TO CENTROID:	1.156
HORZ SPREAD:	3.863
VERT SPREAD:	8.698
GROUP SPREAD:	8.868
MIN RADIUS:	1.123
MAX RADIUS:	4.848
MEAN RADIUS:	2.765
# IN 1 IN DIAMETER:	0
# IN 2 IN DIAMETER:	0
# in 3 IN DIAMETER:	2

POINT#	X	Y
1:	2.113	-5.548
2:	1.468	-4.700
3:	-0.242	-3.606
4:	-0.753	-1.923
5:	-1.750	-2.107
6:	1.306	-0.479
7:	-0.756	0.663
8:	0.116	1.510
9:	-1.235	1.499
10:	0.383	3.150

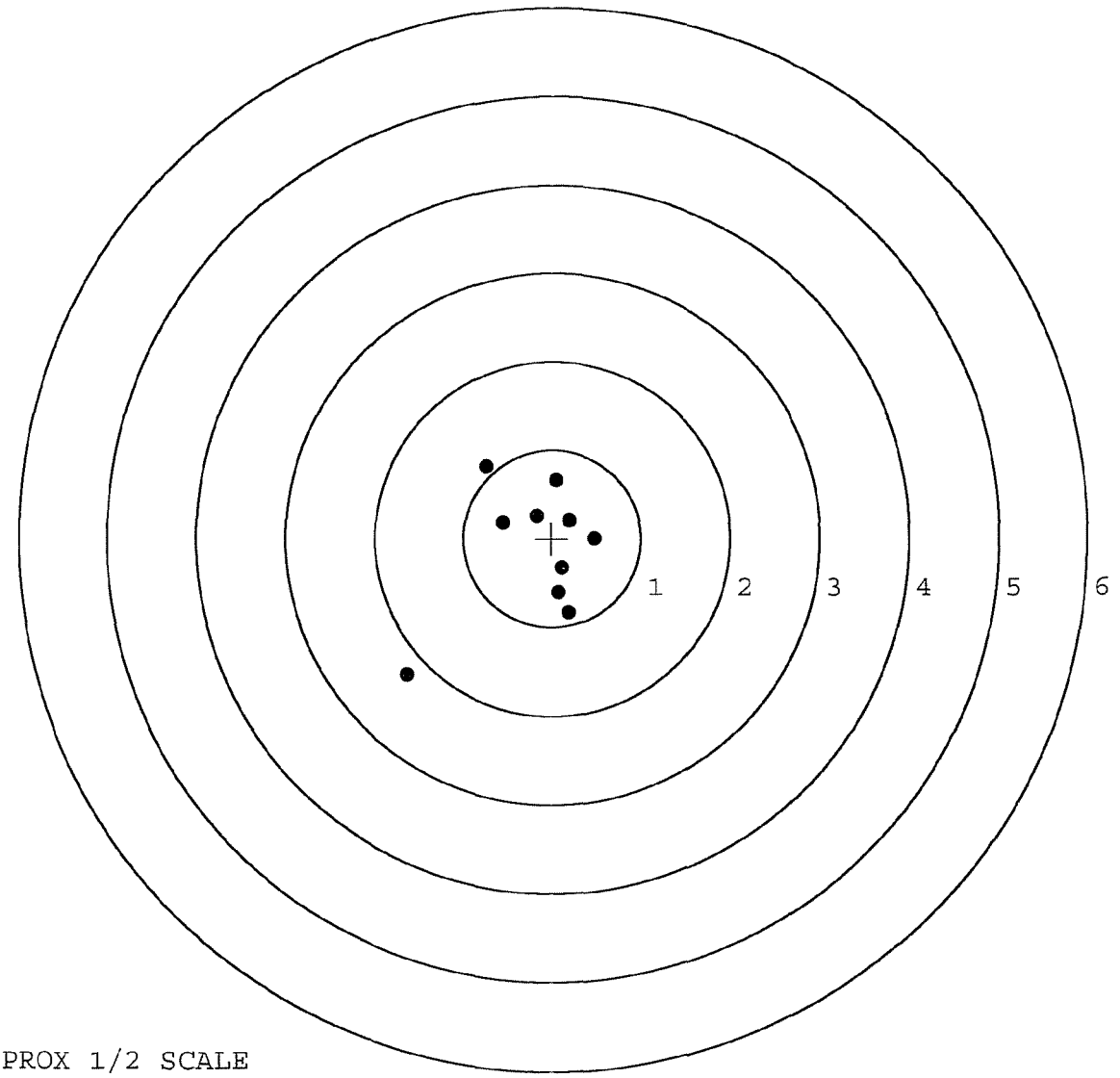


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587724.__0
TARGET NUMBER: 4
FILE DATE: 04/06/2002
FILE TIME: 23:22

X CENTROID:	-0.200
Y CENTROID:	-0.120
POA TO CENTROID:	0.233
HORZ SPREAD:	2.124
VERT SPREAD:	2.352
GROUP SPREAD:	2.772
MIN RADIUS:	0.381
MAX RADIUS:	2.022
MEAN RADIUS:	0.774
# IN 1 IN DIAMETER:	3
# IN 2 IN DIAMETER:	8
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	0.191	-0.841
2:	0.078	-0.616
3:	0.119	-0.335
4:	0.480	0.000
5:	0.195	0.206
6:	-0.179	0.260
7:	-0.547	0.183
8:	0.050	0.659
9:	-0.743	0.817
10:	-1.644	-1.535

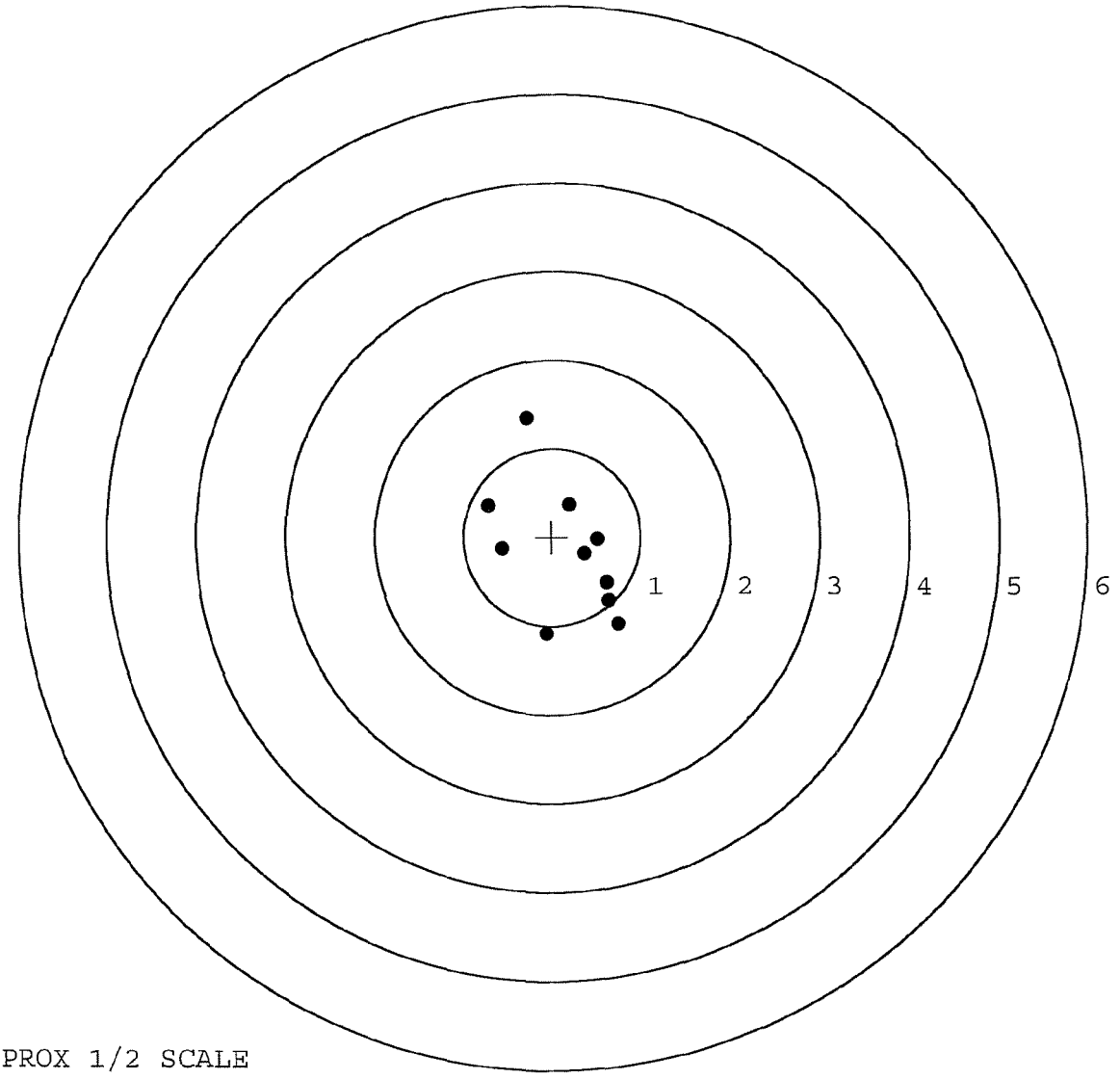


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587724.__0
TARGET NUMBER: 5
FILE DATE: 04/06/2002
FILE TIME: 23:22

X CENTROID:	0.145
Y CENTROID:	-0.160
POA TO CENTROID:	0.216
HORZ SPREAD:	1.476
VERT SPREAD:	2.430
GROUP SPREAD:	2.542
MIN RADIUS:	0.227
MAX RADIUS:	1.565
MEAN RADIUS:	0.772
# IN 1 IN DIAMETER:	2
# IN 2 IN DIAMETER:	7
# in 3 IN DIAMETER:	9

POINT#	X	Y
1:	-0.060	-1.090
2:	0.753	-0.974
3:	0.643	-0.716
4:	0.614	-0.512
5:	0.514	-0.032
6:	0.370	-0.192
7:	-0.561	-0.136
8:	0.199	0.360
9:	-0.723	0.348
10:	-0.299	1.340



TARGET APPROX 1/2 SCALE

P-42

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

R & E NUMBER 43669

SERIAL NUMBER C1058724

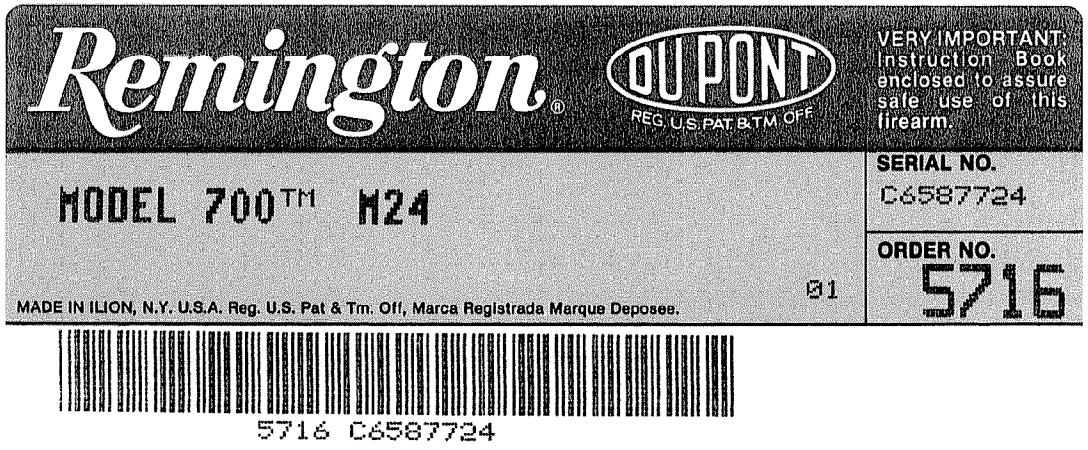
LOG-IN DATE 3/21/02

INSPECT AND VERIFY:

OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3/25/02	RH
560 A	RE-BARREL AT CUSTOM SHOP	3/25/02	BWT
B	DRILL AND TAP	3/25/02	BWT
C	POLISH		
575	ASSEMBLE	3/25/02	RH
600	PROOF	3-26-02	MAGNA-FLUX INSPECTED MAR 2002
605	CHECK HEADSPACE	3-26-02	
610	DIS-ASSEMBLE GUN	3/26/02	
612	MAGNAFLUX		OPERATOR
615	ROLLMARK CALIBER	3/28/02	TLD
618	ROTO-BLAST	4/1/02	KO
620	APPLY COATINGS	4-3	
625 A	FINAL ASSEMBLY	4-4-02	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	4-5-02	TRW
655	FINAL INSPECT	4/8/02	RH
660	PACK	4/8/02	DA

QAR INSPECTION DATE

SHIP DATE



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587724

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/18/90	KS
600	Proof		10/18/90	KS
607	Check Headspace		10/18/90	KS
610	Dis-assemble Gun		10/18/90	KS
612	Magnaflux Barrel Action		10/22/90	KR
	Magnaflux Bolt		10/22/90	KR
615	Rollmark Caliber		10/22/90	LL
617	Drill and Tap Sight Holes		10/23/90	KB
618	Polish Barrel KB		10/24/90	KB
620	Apply Coatings (Barrel Action)		11-6-90	KS
	Apply Coating (Bolt)			KS
625	Final Assembly A) Clean inside of Bolt Assembly		11-6-90	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-6-90	K.S.
	C) Inspect Ejector Hole for Chamfer		11-6-90	K.S.
	D) Oil Firing Pin Ass'y		11-6-90	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		11/12/90	GS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 3/4	4 1/2	4 1/4			11/7/90	KS
	G) Safety Off Force	2 1/4	2	2			11/7/90	KS
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.023	.022	.022			11/7/90	KS
	J) Assemble Stock						11/12/90	KS
	K) Assemble Swivel Studs						11/14/90	KS
	L) Attach Front and Rear Sight Assemblies						11/12/90	KS
	M) Iron Sight Alignment						11/12/90	KS
	N) Detach Front & Rear Sights & place in numbered container						11/12/90	KS
	O) Attach Scope to Rifle						11/12/90	KS
	P) Detach & Attach Scope 20 Times						11/12/90	KS
640	Gallery Target & Test						11-13-90	KT
	A) Time						11-13-90	KT
	B) Malfunctions						11-13-90	KT
	C) Pierced Primers						11-13-90	KT
	D) Optical Clearity of Scope						11-13-90	KT
645	Inspect for Live Ammo						11-13-90	KT
655	Final Inspection A) Headspace						11/19/90	KS
	B) Trigger Pull	2.33	238	232	243	233	11/19/90	KS
	C) Function						11/19/90	KS
660	Pack						11-17-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6587724

DATE 12/6/90

TESTER JSS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.51	2.40	2.33	MIN. SETTING,
PULL #2	2.34	2.46	2.60	2.38	NO AVG. OF 5
PULL #3	2.28	2.56	2.45	2.32	READINGS ACCEPT-
PULL #4	2.17	2.35	2.34	2.43	ABLE LESS THAN 2#
PULL #5	2.20	2.43	2.44	2.33	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.24		
PULL #2	3.30	3.27		
PULL #3	3.25	3.10		
PULL #4	3.19	3.11		
PULL #5	3.21	3.15		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	4.16		4.00
PULL #2	4.11	4.10		4.03
PULL #3	4.07	4.14		4.13
PULL #4	4.00	4.16		4.19
PULL #5	4.12	4.05		4.19
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 6587724
14 Nov 1990

CENTROIDAL DISTANCES

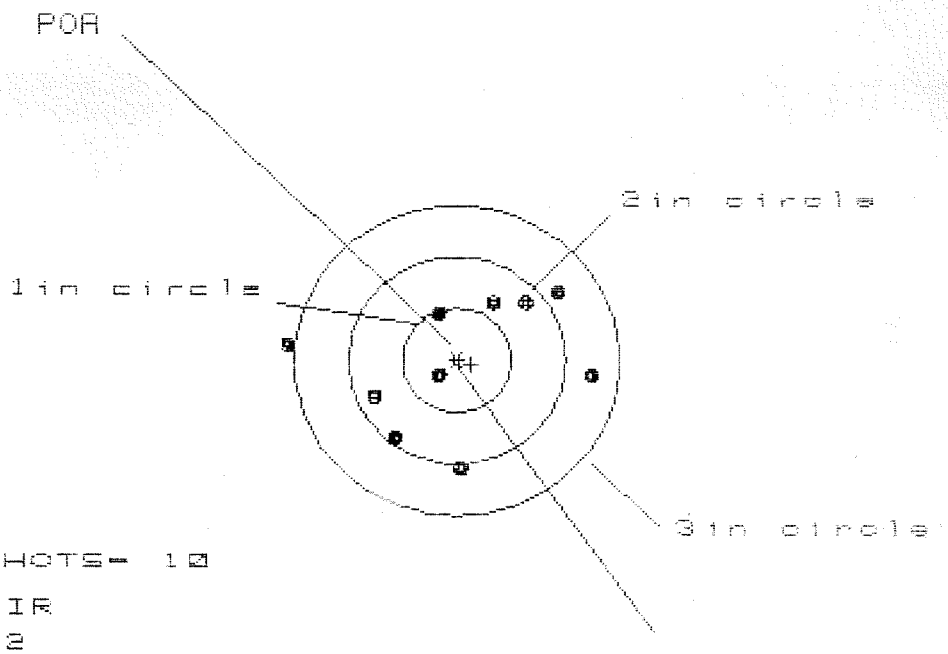
0	TO	1	.141382
1	TO	2	.02
1	TO	3	.255861
1	TO	4	.238416
1	TO	5	.217039

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.026
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.05
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .056356

THE AMR FOR THIS RIFLE IS: 1.03

14 Nov 1998 FILE:/PATTERNING/CENTERFIRE_PATT/CS587724

CENTERFIRE PATTERNS # 1



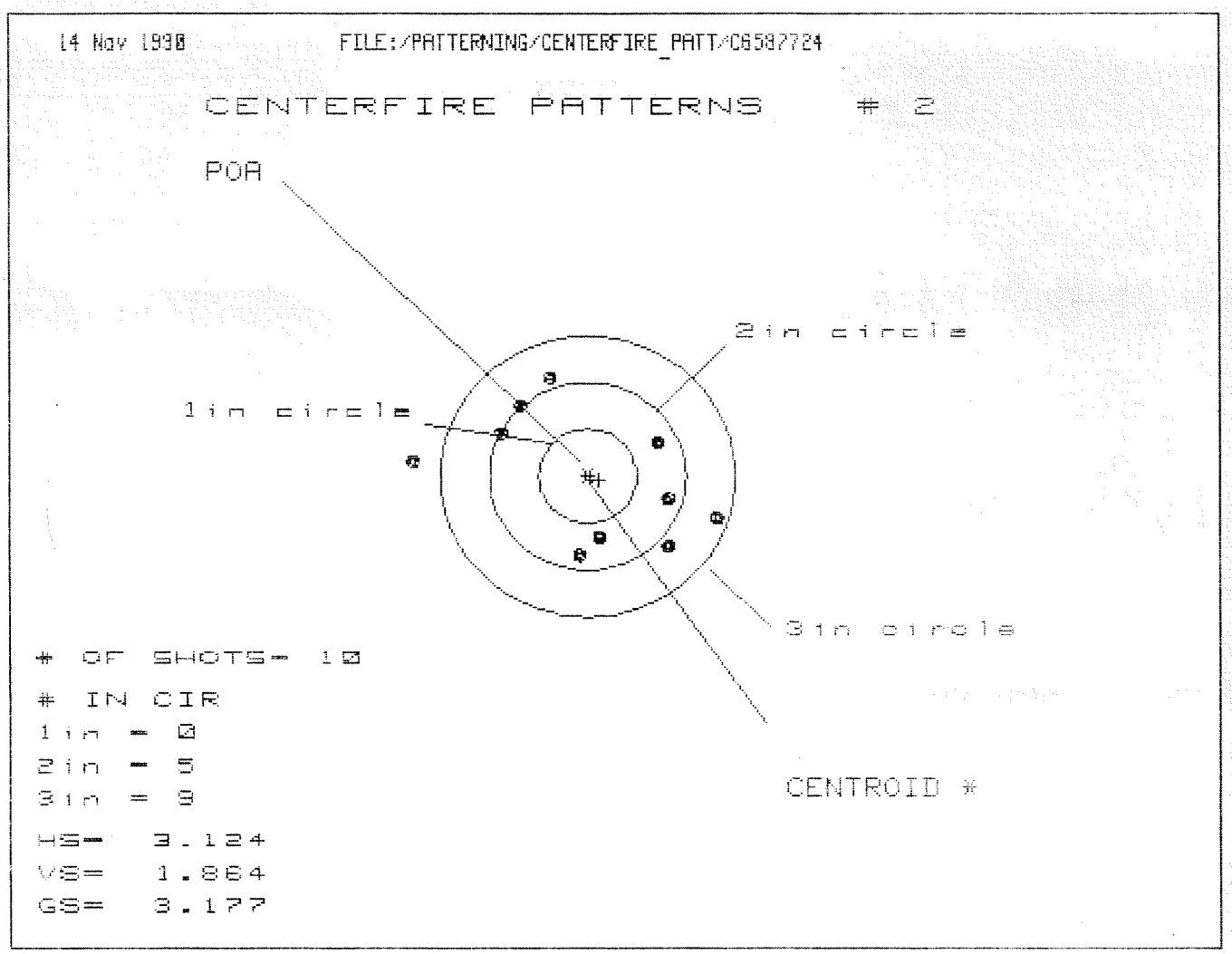
OF SHOTS= 10

# IN CIR
1in = 2
2in = 6
3in = 9

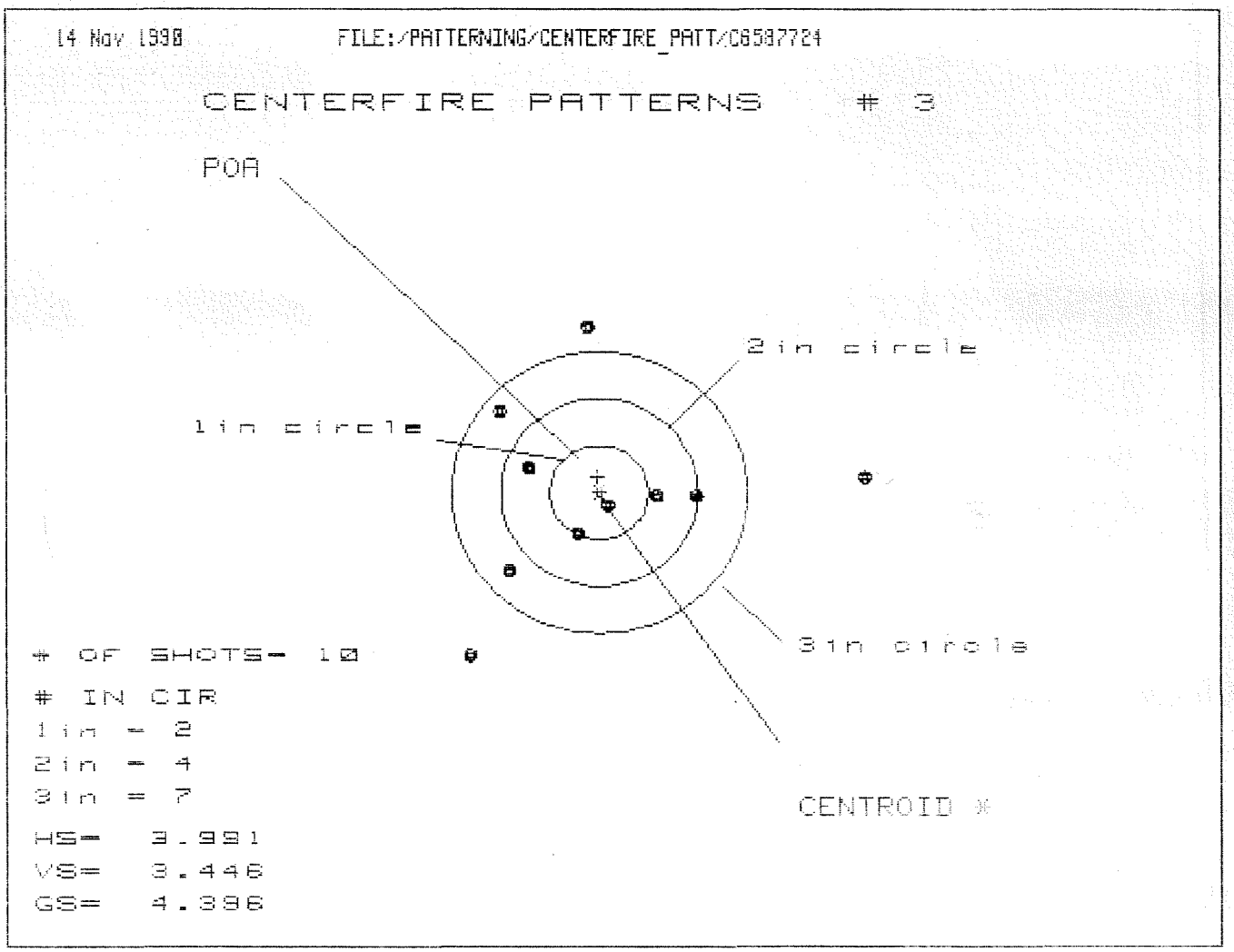
HS= 2.765
VS= 1.615
GS= 2.782

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.205	1.032	.854
MINIMUM X	:	-1.560	-.909	-.780
MAXIMUM Y	:	.609	.628	.613
MINIMUM Y	:	-1.006	-.987	-1.002
CENTROID X	:	-.135	.038	-.090
CENTROID Y	:	.042	.023	.038
POA TO CENTROID in.	:	.141	.045	.098
MIN RADIUS	:	.160	.308	.194
MEAN RADIUS	:	.873	.798	.747
MAX RADIUS	:	1.570	1.038	1.051
HORIZONTAL SPREAD	:	2.765	1.941	1.634
VERTICAL SPREAD	:	1.615	1.615	1.615
EXTREME SPREAD	:	2.782	1.965	1.965

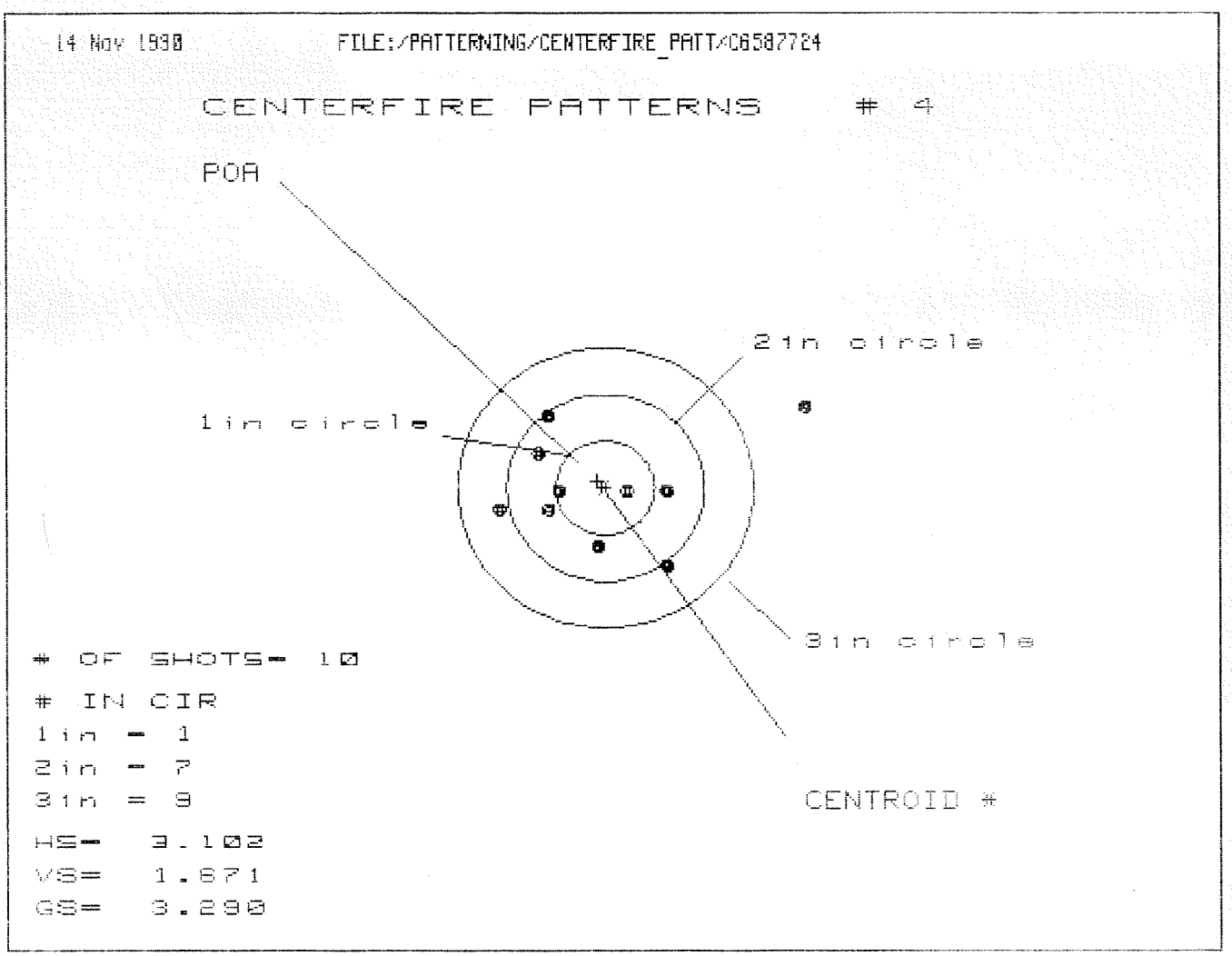
NUMBER IN ONE INCH CIRCLE = 2
NUMBER IN TWO INCH CIRCLE = 6
NUMBER IN THREE INCH CIRCLE = 9



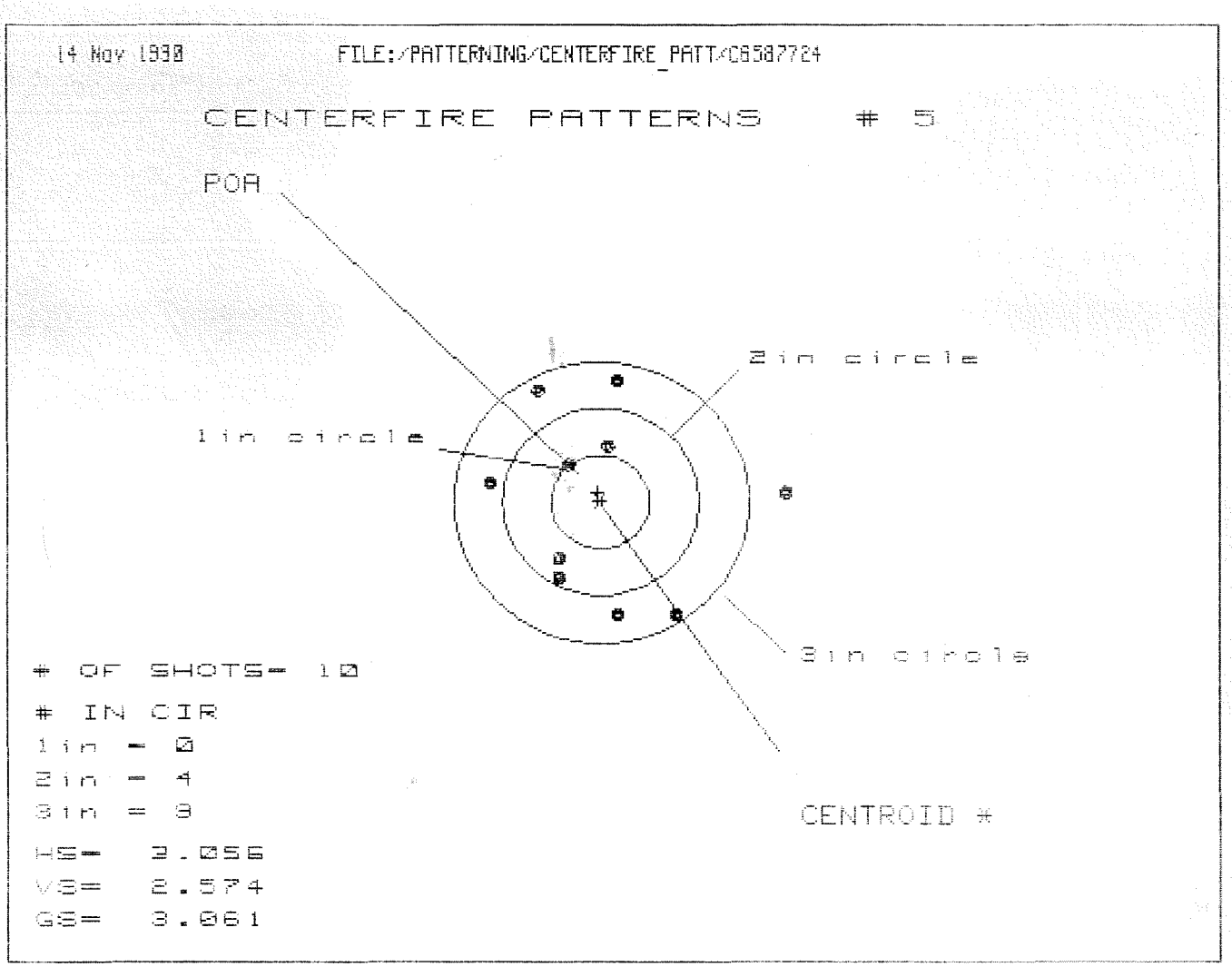
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.344	1.147	.795
MINIMUM X	:	-1.780	-1.046	-.903
MAXIMUM Y	:	1.049	1.069	1.021
MINIMUM Y	:	-.815	-.795	-.843
CENTROID X	:	-.115	.082	-.061
CENTROID Y	:	.042	.022	.070
POA TO CENTROID in.	:	.123	.085	.093
MIN RADIUS	:	.651	.613	.673
MEAN RADIUS	:	1.057	.948	.920
MAX RADIUS	:	1.788	1.219	1.118
HORIZONTAL SPREAD	:	3.124	2.193	1.698
VERTICAL SPREAD	:	1.864	1.864	1.864
EXTREME SPREAD	:	3.177	2.362	2.191
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.669	1.311	1.183
MINIMUM X	:	-1.322	-1.025	-.832
MAXIMUM Y	:	1.758	1.775	1.566
MINIMUM Y	:	-1.688	-1.671	-.998
CENTROID X	:	.014	-.283	-.154
CENTROID Y	:	-.166	-.183	.026
POA TO CENTROID in.	:	.166	.337	.157
MIN RADIUS	:	.109	.359	.362
MEAN RADIUS	:	1.212	1.045	.932
MAX RADIUS	:	2.674	1.960	1.566
HORIZONTAL SPREAD	:	3.991	2.336	2.014
VERTICAL SPREAD	:	3.446	3.446	2.564
EXTREME SPREAD	:	4.396	3.640	2.684
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	



PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.992	.880	.769
MINIMUM X	:	-1.110	-.889	-.589
MAXIMUM Y	:	.842	.863	.843
MINIMUM Y	:	-.830	-.736	-.756
CENTROID X	:	.076	-.145	-.034
CENTROID Y	:	-.069	-.163	-.143
POA TO CENTROID in.	:	.103	.218	.147
MIN RADIUS	:	.241	.305	.353
MEAN RADIUS	:	.877	.694	.670
MAX RADIUS	:	2.162	1.147	1.078
HORIZONTAL SPREAD	:	3.102	1.769	1.358
VERTICAL SPREAD	:	1.671	1.599	1.599
EXTREME SPREAD	:	3.290	2.009	2.009
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.901	.981	.504
MINIMUM X	:	-1.155	-.943	-.821
MAXIMUM Y	:	1.331	1.337	1.182
MINIMUM Y	:	-1.243	-1.237	-1.379
CENTROID X	:	.030	-.182	-.304
CENTROID Y	:	-.099	-.105	.050
POA TO CENTROID in.	:	.103	.210	.308
MIN RADIUS	:	.557	.462	.287
MEAN RADIUS	:	1.133	1.012	.909
MAX RADIUS	:	1.902	1.579	1.452
HORIZONTAL SPREAD	:	3.056	1.924	1.325
VERTICAL SPREAD	:	2.574	2.574	2.561
EXTREME SPREAD	:	3.061	2.841	2.577
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	