

05225433

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

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

R & E NUMBER	36057		
SERIAL NUMBER	C6225433		
LOG-IN DATE	11-26-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11/27/01	RH
560 A	RE-BARREL	11/28/01	BWT
B	DRILL AND TAP	11/28/01	BWT
575	ASSEMBLE	11-28-01	RH
600	PROOF	11-28-01	AC
605	CHECK HEADSPACE	11-29-01	RH
610	DIS-ASSEMBLE GUN	11-29-01	RH
612	MAGNAFLUX	11-29-01	AL
615	ROLLMARK CALIBER	11-29-01	RH
618	ROTO-BLAST	11-30-01	DA
620	APPLY COATINGS	11/30/01	HP
625 A	FINAL ASSEMBLY	12-4-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-4-01	DA
655	FINAL INSPECT	12-5-01	RH
660	PACK	12-5-01	DA
		SHIP DATE	
	QAR INSPECTION DATE		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225433.___0

FILE DATE AND TIME: 12/04/2001 03:31

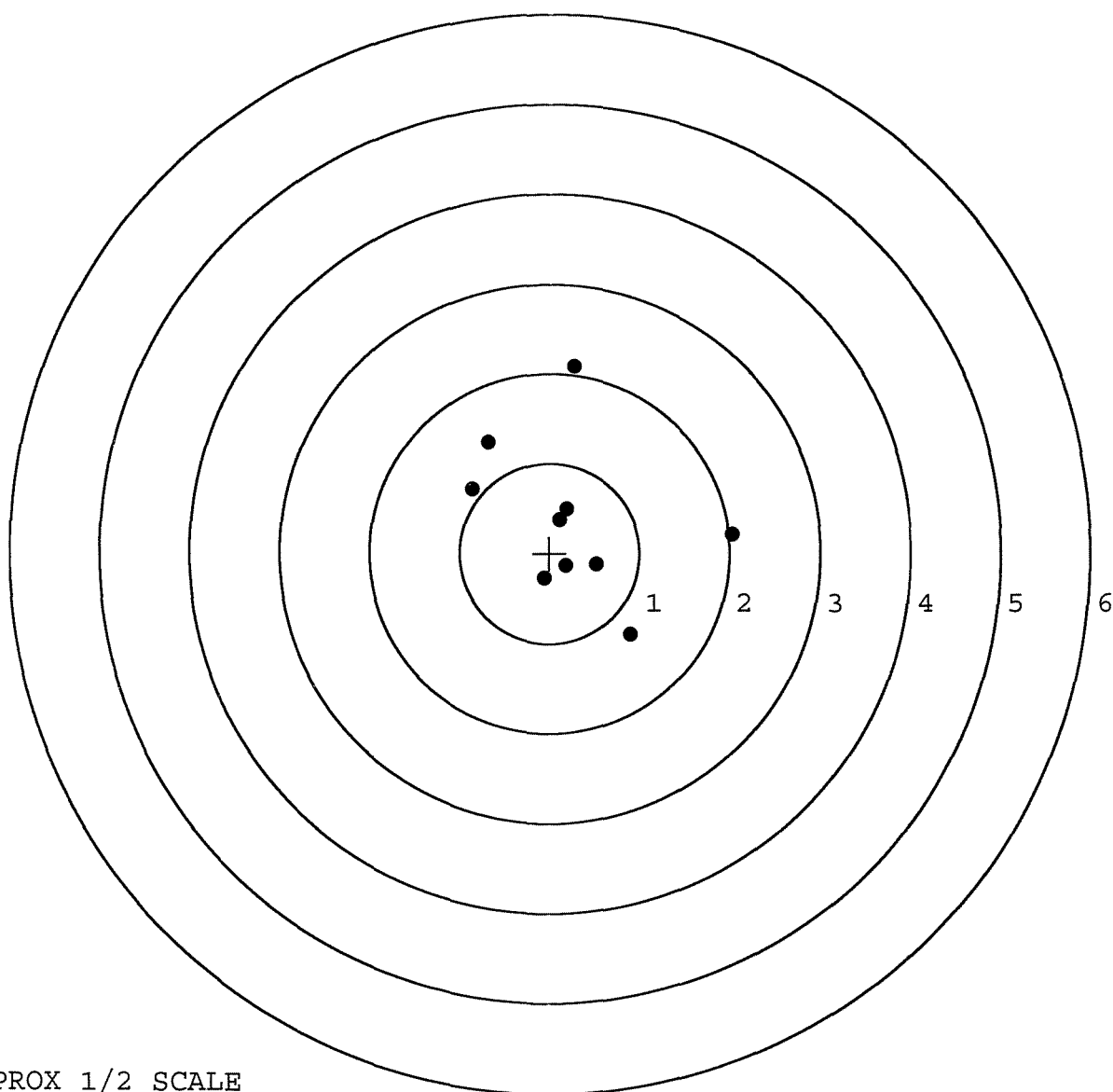
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.028
The Average Y Centroid of the Five Target Set:	-0.008
The Average Point of Impact of the Five Target Set:	0.029
The Average Mean Radius of the Five Target Set:	0.875
The Distance from POA to Centroid Target #1:	0.447
The Distance from Centroid Target #2 to Centroid Target #1:	0.687
The Distance from Centroid Target #3 to Centroid Target #1:	0.766
The Distance from Centroid Target #4 to Centroid Target #1:	0.584
The Distance from Centroid Target #5 to Centroid Target #1:	0.466

SERIAL NUMBER: C6225433. __0
TARGET NUMBER: 1
FILE DATE: 12/04/2001
FILE TIME: 03:31

X CENTROID: 0.260
Y CENTROID: 0.364
POA TO CENTROID: 0.447
HORZ SPREAD: 2.895
VERT SPREAD: 2.986
GROUP SPREAD: 2.938
MIN RADIUS: 0.144
MAX RADIUS: 1.780
MEAN RADIUS: 0.947
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.687	1.231
2:	-0.862	0.711
3:	0.268	2.080
4:	0.193	0.492
5:	0.107	0.373
6:	0.526	-0.130
7:	0.184	-0.143
8:	-0.064	-0.280
9:	0.902	-0.906
10:	2.033	0.212

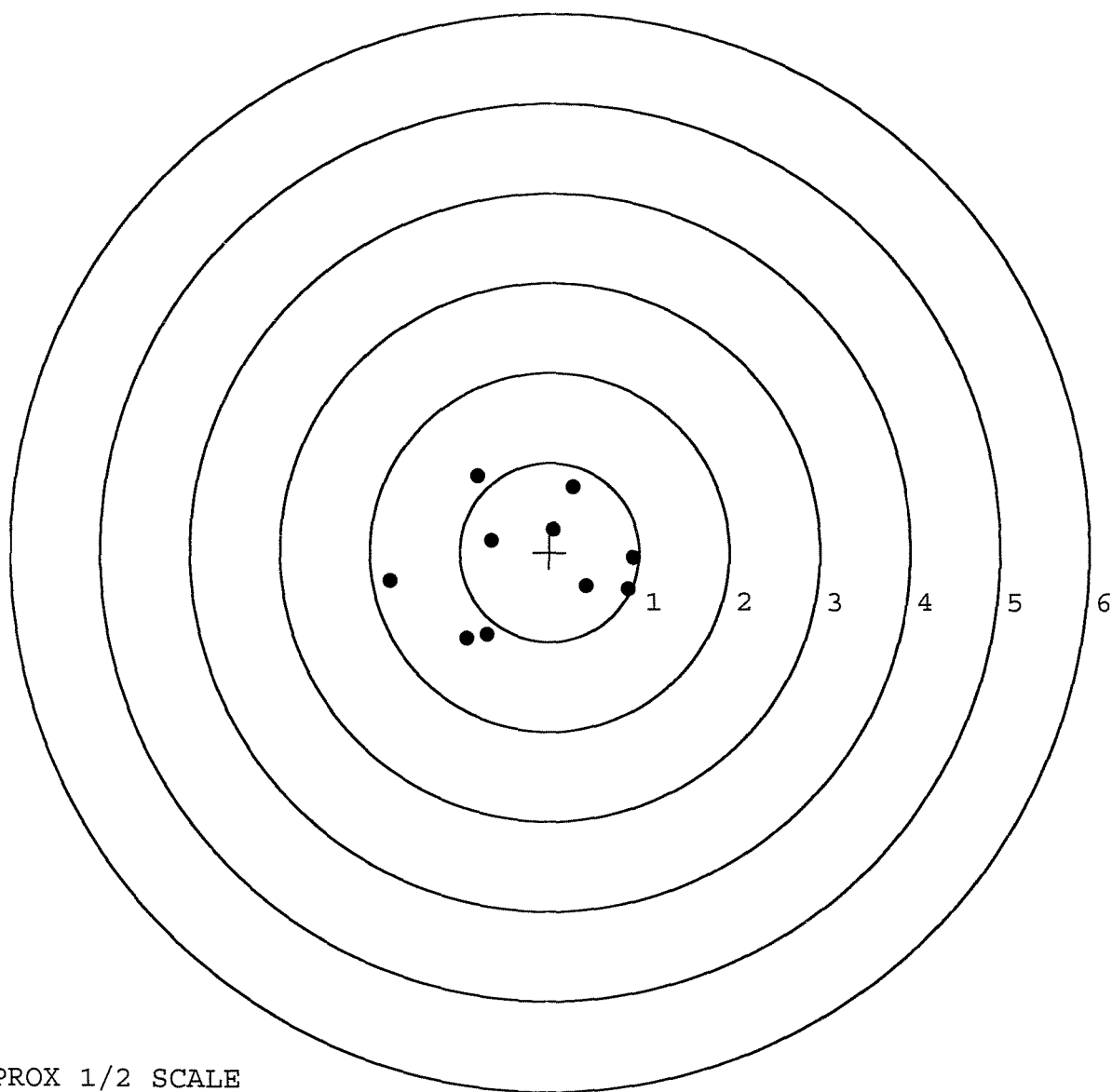


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225433. __0
TARGET NUMBER: 2
FILE DATE: 12/04/2001
FILE TIME: 03:31

X CENTROID: -0.233
Y CENTROID: -0.115
POA TO CENTROID: 0.260
HORZ SPREAD: 2.705
VERT SPREAD: 1.822
GROUP SPREAD: 2.719
MIN RADIUS: 0.464
MAX RADIUS: 1.559
MEAN RADIUS: 0.965
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.261	0.731
2:	0.044	0.257
3:	0.928	-0.064
4:	0.878	-0.415
5:	0.409	-0.384
6:	-0.811	0.842
7:	-0.651	0.130
8:	-1.777	-0.336
9:	-0.919	-0.980
10:	-0.696	-0.928

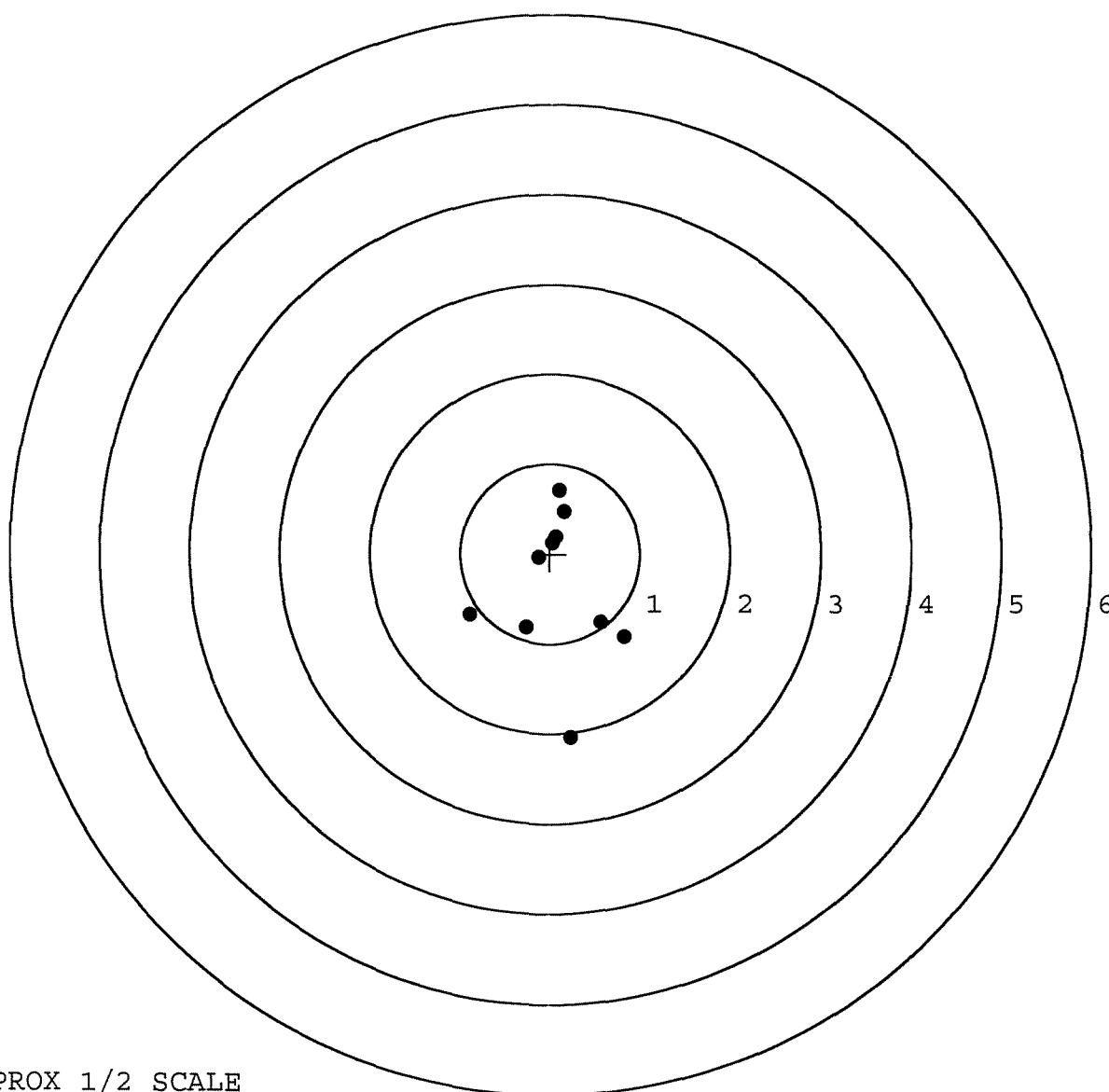


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225433. __0
TARGET NUMBER: 3
FILE DATE: 12/04/2001
FILE TIME: 03:31

X CENTROID: 0.073
Y CENTROID: -0.379
POA TO CENTROID: 0.386
HORZ SPREAD: 1.720
VERT SPREAD: 2.754
GROUP SPREAD: 2.757
MIN RADIUS: 0.391
MAX RADIUS: 1.682
MEAN RADIUS: 0.821
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.833	-0.926
2:	0.571	-0.760
3:	0.240	-2.052
4:	-0.263	-0.822
5:	-0.887	-0.675
6:	0.103	0.702
7:	0.155	0.473
8:	0.072	0.191
9:	-0.127	-0.042
10:	0.030	0.125

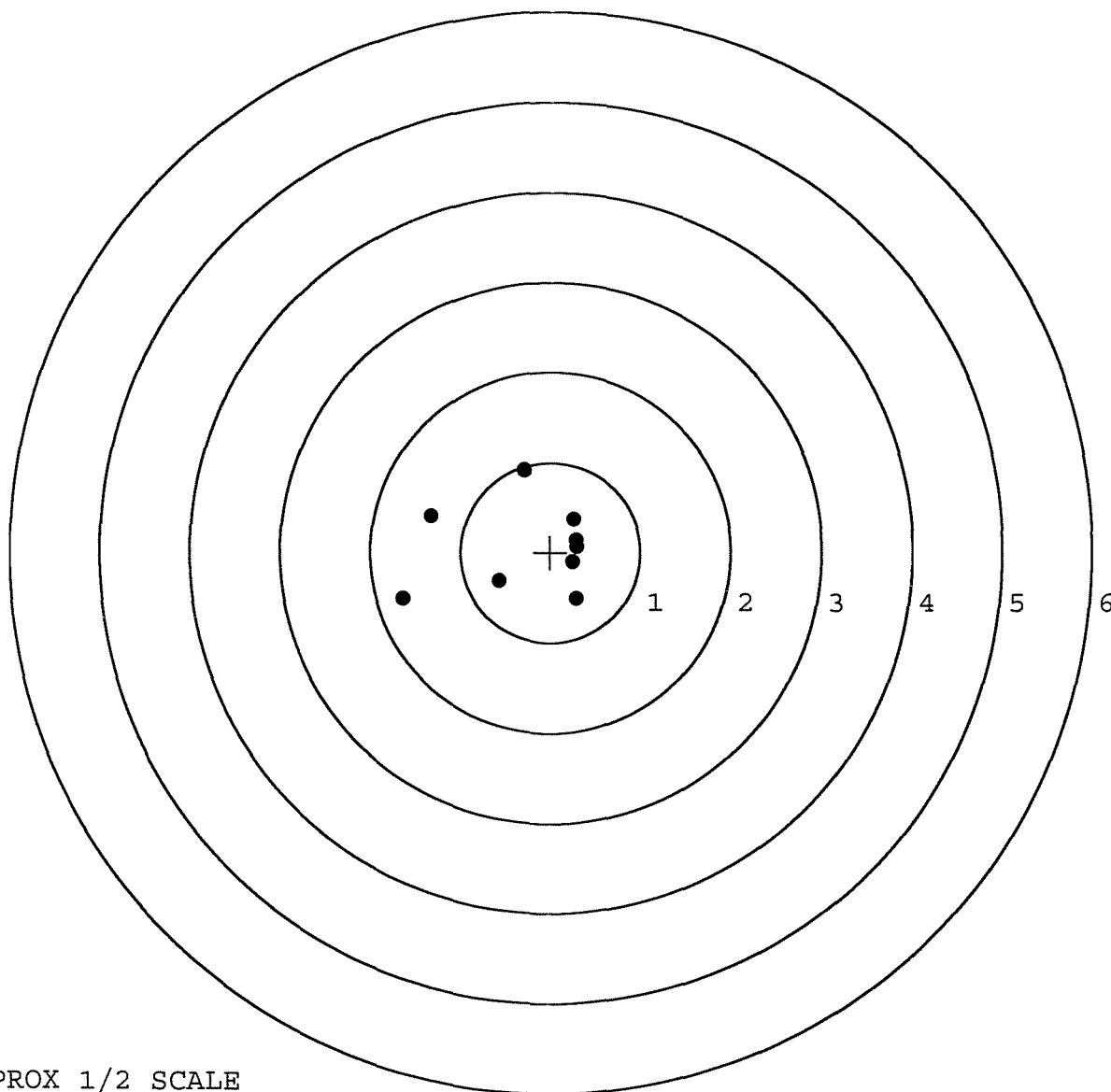


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225433. __0
TARGET NUMBER: 4
FILE DATE: 12/04/2001
FILE TIME: 03:31

X CENTROID: -0.275
Y CENTROID: 0.131
POA TO CENTROID: 0.305
HORZ SPREAD: 1.935
VERT SPREAD: 1.442
GROUP SPREAD: 2.098
MIN RADIUS: 0.542
MAX RADIUS: 1.514
MEAN RADIUS: 0.787
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.297	0.910
2:	-0.298	0.916
3:	-1.330	0.394
4:	-1.639	-0.526
5:	-0.573	-0.322
6:	0.258	0.370
7:	0.292	0.134
8:	0.289	-0.516
9:	0.249	-0.109
10:	0.296	0.063

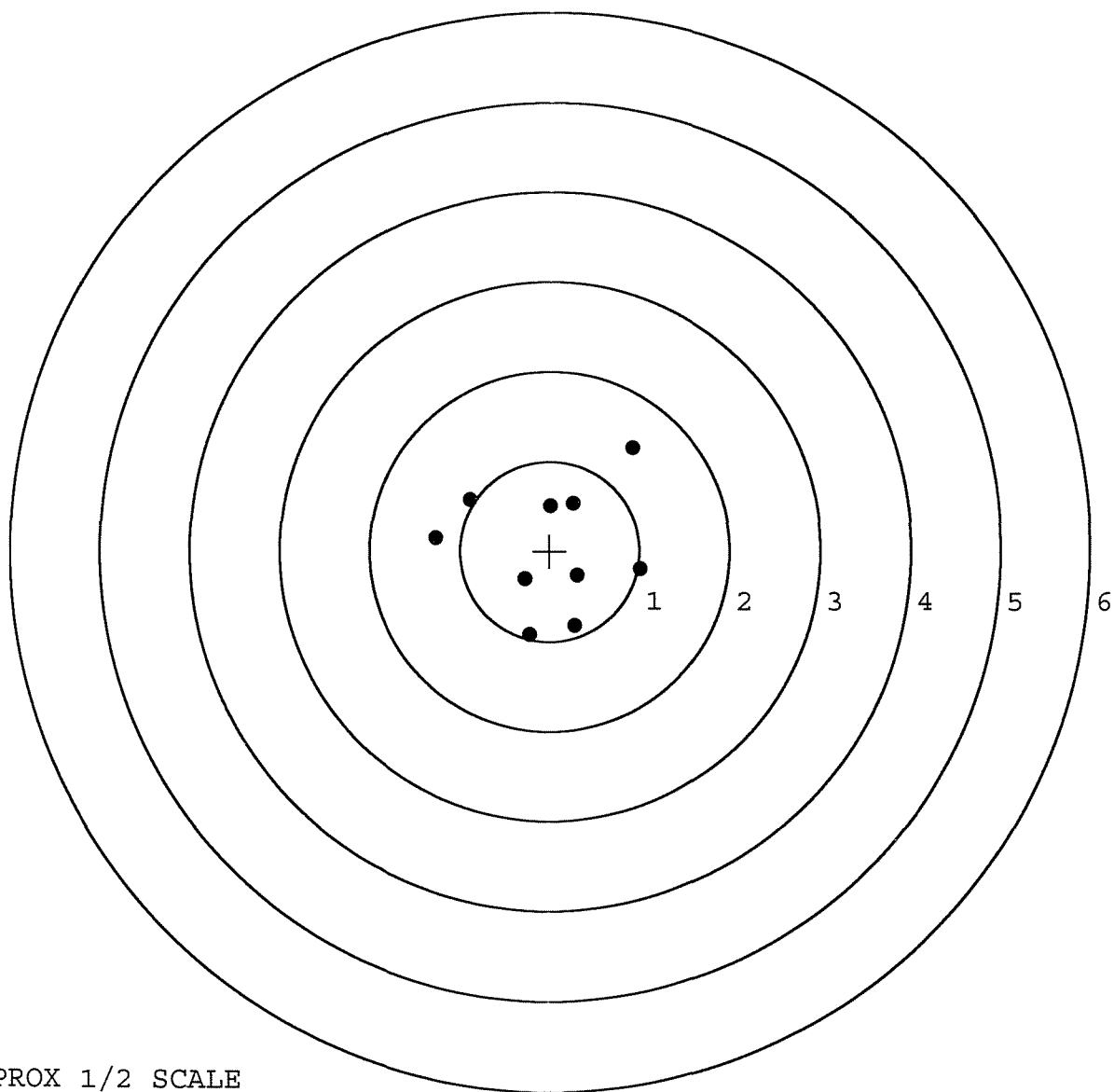


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225433. 0
TARGET NUMBER: 5
FILE DATE: 12/04/2001
FILE TIME: 03:31

X CENTROID: 0.036
Y CENTROID: -0.044
POA TO CENTROID: 0.057
HORZ SPREAD: 2.283
VERT SPREAD: 2.080
GROUP SPREAD: 2.408
MIN RADIUS: 0.359
MAX RADIUS: 1.486
MEAN RADIUS: 0.855
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 11

POINT#	X	Y
1:	0.915	1.153
2:	0.255	0.530
3:	-0.006	0.501
4:	-0.888	0.568
5:	-1.272	0.145
6:	1.011	-0.203
7:	0.309	-0.277
8:	-0.275	-0.315
9:	-0.222	-0.927
10:	0.282	-0.831
11:	0.282	-0.831



TARGET APPROX 1/2 SCALE

MOD. _____ GA. CAL. _____ GUN # 06225433

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	(Defect) hole in scope ring	OW
	2nd		
	3rd		
	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		

Remington[®]

MODEL 700TM H24

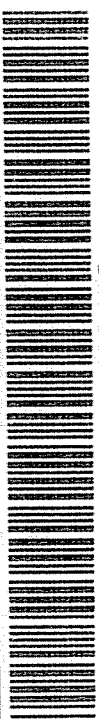
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

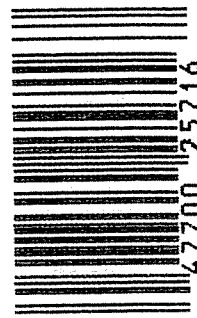
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.


REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6225433

ORDER NO.
5716


5716 C6225433


0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225433

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	1 25	89	RW
600	Proof	1 25	89	RW
607	Check Headspace	1 25	89	RW
610	Dis-assemble Gun	1 25	89	RW
612	Magnaflux Barrel Action		1-27-89	AK.
	Magnaflux Bolt		1-27-89	KCR
615	Rollmark Caliber		1-30-89	GS
617	Drill and Tap Sight Holes	2 1	89	FB
618	Polish Barrel	2 1	89	BT
620	Apply Coatings (Barrel Action)		2-10-89	ISA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/27/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/27/89	RW
	C) Inspect Ejector Hole for Chamfer		2/27/89	RW
	D) Oil Firing Pin Ass'y		2/27/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/27/89	WLB

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	6 3/4	6 3/4	6 1/2			3/1/89	WB
	G) Safety Off Force	2 1/2	2 3/4	2 3/4			3/1/89	WB
	H) Trigger Pull Test & Retainability						4/28/89	WB
	I) Firing Pin Indent	.020	.0205	.0205			3/1/89	WB
	J) Assemble Stock						3/2/89	RW
	K) Assemble Swivel Studs						7/1/89	JS
	L) Attach Front and Rear Sight Assemblies						3/2/89	RW
	M) Iron Sight Alignment						3/2/89	RW
	N) Detach Front & Rear Sights & place in numbered container						3/2/89	RW
	O) Attach Scope to Rifle						3/7/89	WB
	P) Detach & Attach Scope 20 Times						3/2/89	WB
640	Gallery Target & Test	68 R	85 L				3-3-89	AC
	A) Time						"	AC
	B) Malfunctions			NONE			"	AC
	C) Pierced Primers			NONE			"	AC
	D) Optical Clarity of Scope			OK			"	AC
645	Inspect for Live Ammo			NONE			3-3-89	AC
655	Final Inspection							
	A) Headspace						7/1/89	JS
	B) Trigger Pull	2.52	2.41	2.37	2.46	2.41	7/1/89	JS
	C) Function						7/1/89	JS
660	Pack						22/1/89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. 5433

DATE 2/28/89

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.75	2.20	2.29	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.17	2.32	2.41	
PULL #3	2.17	2.20	2.30	2.37	
PULL #4	2.12	2.05	2.30	2.46	
PULL #5	2.14	2.18	2.28	2.41	
TOTAL	11.12	10.80	11.49	12.17	
AVG.	2.26	2.20	2.298	2.434	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.20	3.20		
PULL #2	3.17	3.22		
PULL #3	3.22	3.19		
PULL #4	3.22	3.21		
PULL #5	3.21	3.21		
TOTAL	16.02	16.03		
AVG.	3.204	3.206		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.11		4.21
PULL #2	4.17	4.13		4.18
PULL #3	4.24	4.19		4.15
PULL #4	4.24	4.14		4.20
PULL #5	4.28	4.19		4.18
TOTAL	21.12	20.76		20.92
AVG.	4.22	4.15		4.184

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225433
6 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.681364
1 TO	2	.538271
1 TO	3	.720385
1 TO	4	1.02929
1 TO	5	.680697

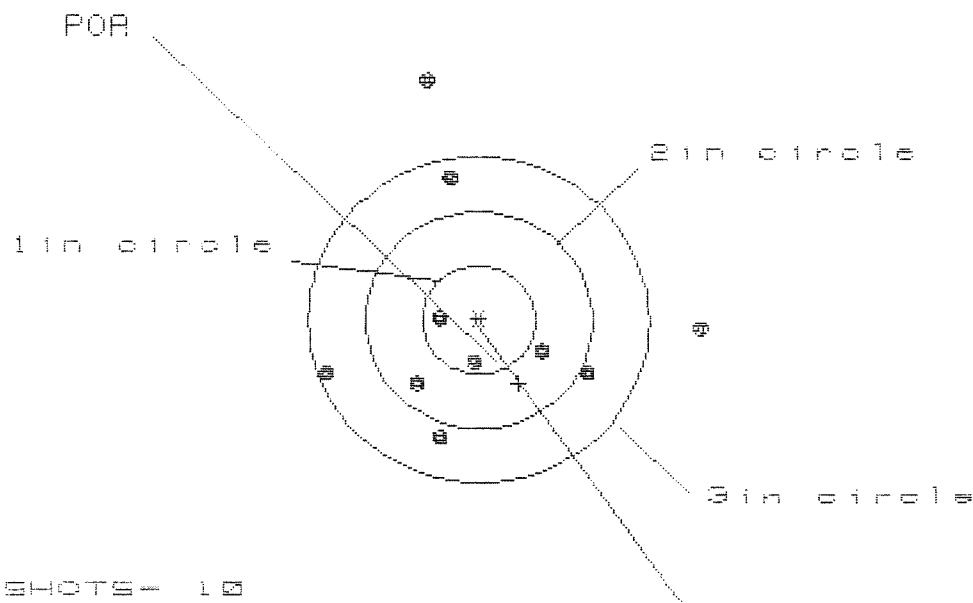
1
2 + <----POA
4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.7704
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .224
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .802504
THE AMR FOR THIS RIFLE IS: .9776

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225433

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 3.339

VS= 3.295

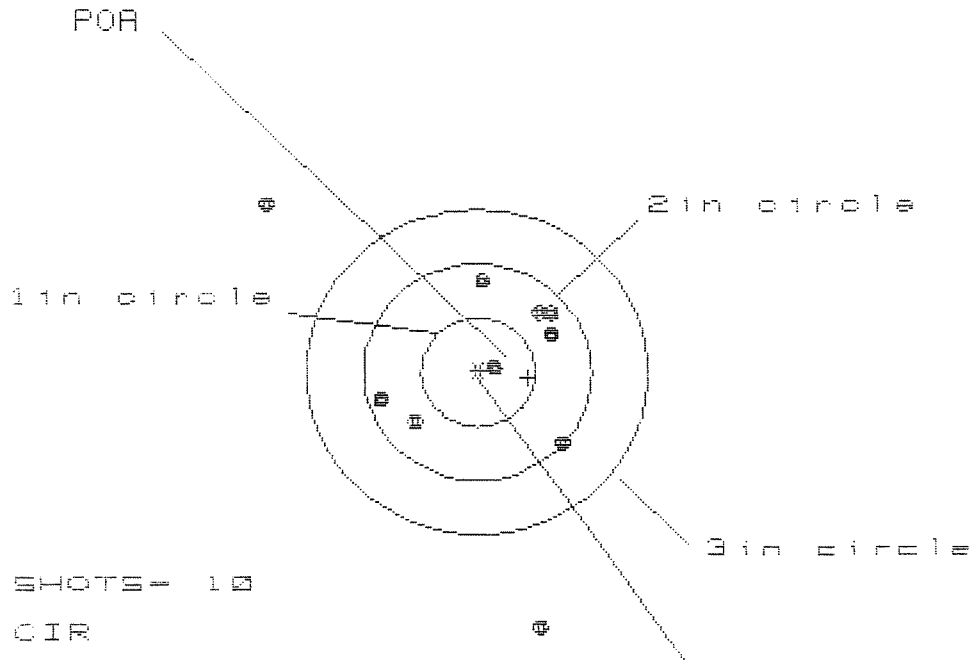
CS= 3.371

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.976	1.921	1.093
MINIMUM X	-1.363	-1.418	-1.178
MAXIMUM Y	2.172	1.522	1.538
MINIMUM Y	-1.123	-.882	-.866
CENTROID X	-.351	-.296	-.536
CENTROID Y	.584	.343	.327
POA TO CENTROID in.	.682	.453	.628
MIN RADIUS	.373	.158	.213
MEAN RADIUS	1.131	.953	.867
MAX RADIUS	2.228	1.925	1.541
HORIZONTAL SPREAD	3.339	3.339	2.271
VERTICAL SPREAD	3.295	2.404	2.404
EXTREME SPREAD	3.371	3.358	2.405
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225433

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 8

3in = 8

HS= 2.566

VS= 3.888

GS= 4.564

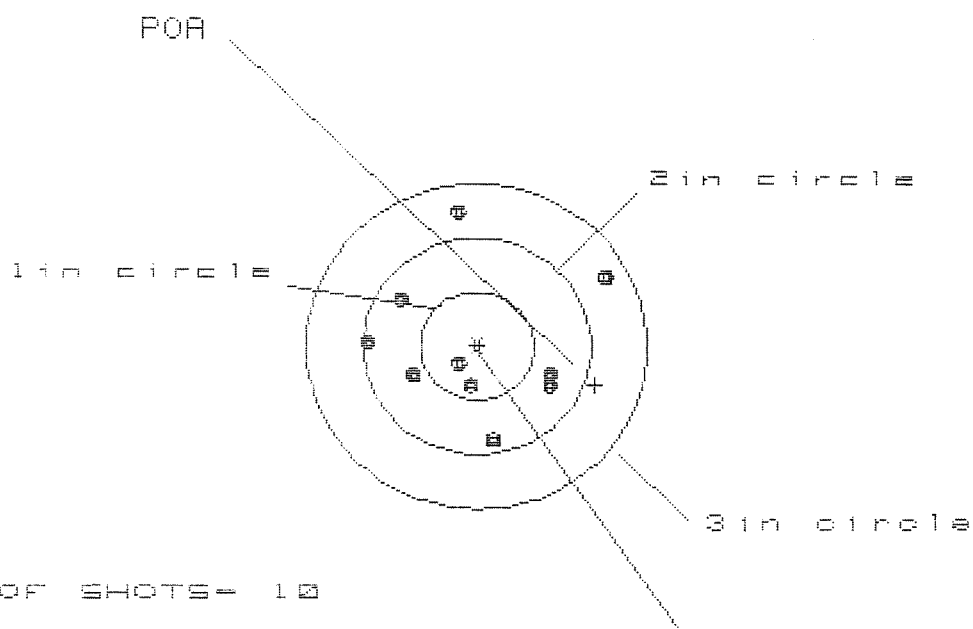
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.714	.774	.550
MINIMUM X	:	-1.852	-1.792	-1.011
MAXIMUM Y	:	1.530	1.268	.718
MINIMUM Y	:	-2.358	-.933	-.774
CENTROID X	:	-.445	-.505	-.281
CENTROID Y	:	.054	.316	.158
POA TO CENTROID in.	:	.448	.596	.322
MIN RADIUS	:	.104	.307	.118
MEAN RADIUS	:	1.063	.911	.687
MAX RADIUS	:	2.419	2.195	1.062
HORIZONTAL SPREAD	:	2.566	2.566	1.561
VERTICAL SPREAD	:	3.888	2.201	1.493
EXTREME SPREAD	:	4.564	3.381	1.645
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225433

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 2.120

VS= 2.168

GS= 2.208

CENTROID *

PATTERN # : 3

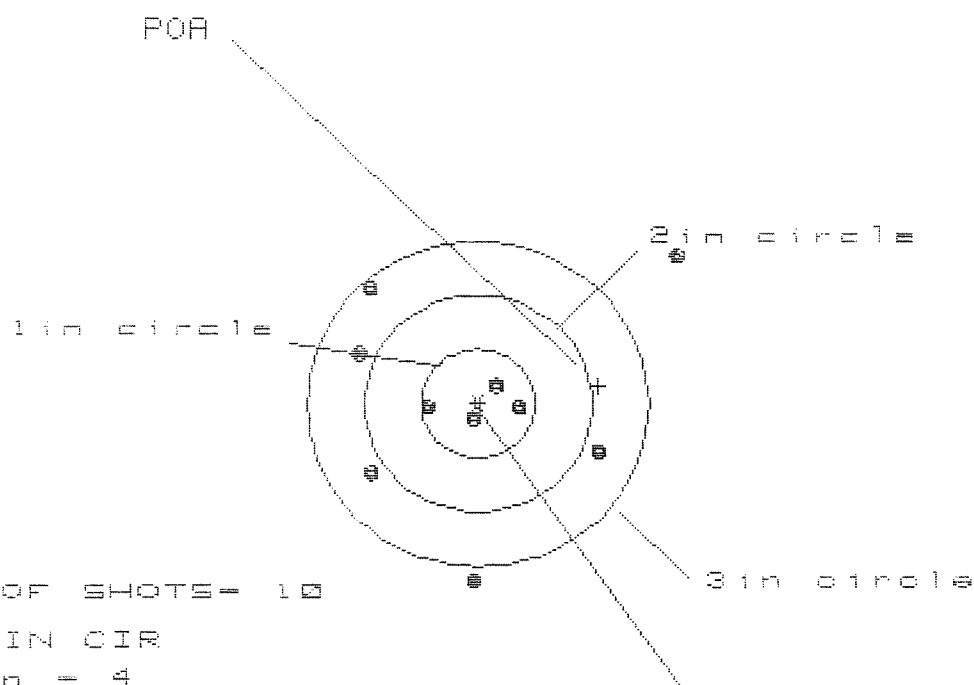
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.173	.789	.784
MINIMUM X	-.947	-.816	-.821
MAXIMUM Y	1.281	1.350	.657
MINIMUM Y	-.887	-.818	-.649
CENTROID X	-1.036	-1.167	-1.162
CENTROID Y	.361	.292	.123
POA TO CENTROID in.	1.098	1.203	1.169
MIN RADIUS	.237	.107	.077
MEAN RADIUS	.798	.702	.582
MAX RADIUS	1.330	1.351	.879
HORIZONTAL SPREAD	2.120	1.605	1.605
VERTICAL SPREAD	2.168	2.168	1.306
EXTREME SPREAD	2.208	2.196	1.633
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225439

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 4

3 in = 8

HS= 2.738

VS= 3.067

GS= 3.514

CENTROID #

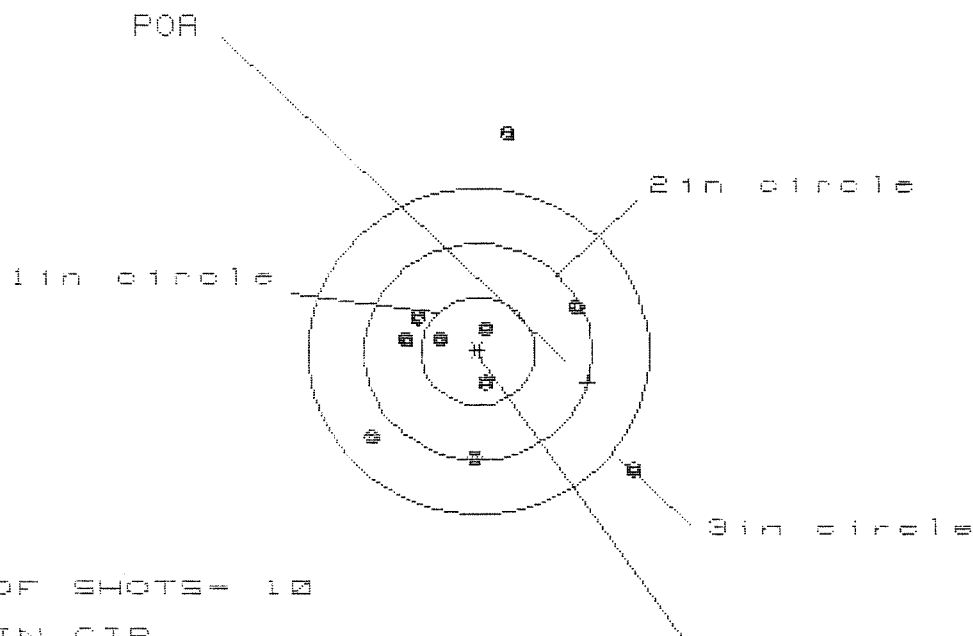
PATTERN # : 4

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.721	1.286	1.311
MINIMUM X	:	-1.017	-.826	-.801
MAXIMUM Y	:	1.389	1.170	.979
MINIMUM Y	:	-1.678	-1.523	-.704
CENTROID X	:	-1.057	-1.248	-1.273
CENTROID Y	:	-.165	-.320	-.129
POA TO CENTROID in.	:	1.070	1.289	1.280
MIN RADIUS	:	.177	.200	.258
MEAN RADIUS	:	.997	.859	.761
MAX RADIUS	:	2.212	1.536	1.387
HORIZONTAL SPREAD	:	2.738	2.112	2.112
VERTICAL SPREAD	:	3.067	2.693	1.683
EXTREME SPREAD	:	3.514	2.842	2.458
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225433

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.326

VS= 3.083

GS= 3.274

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.354	1.382	1.067
MINIMUM X	:	-.972	-.944	-.771
MAXIMUM Y	:	2.026	.600	.496
MINIMUM Y	:	-1.057	-.832	-.826
CENTROID X	:	-.963	-.991	-1.164
CENTROID Y	:	.286	.061	.165
POR TO CENTROID in.	:	1.005	.993	1.175
MIN RADIUS	:	.170	.064	.266
MEAN RADIUS	:	.899	.766	.627
MAX RADIUS	:	2.041	1.613	1.176
HORIZONTAL SPREAD	:	2.326	2.326	1.838
VERTICAL SPREAD	:	3.083	1.432	1.322
EXTREME SPREAD	:	3.274	2.337	2.198
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	