

C6225580

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

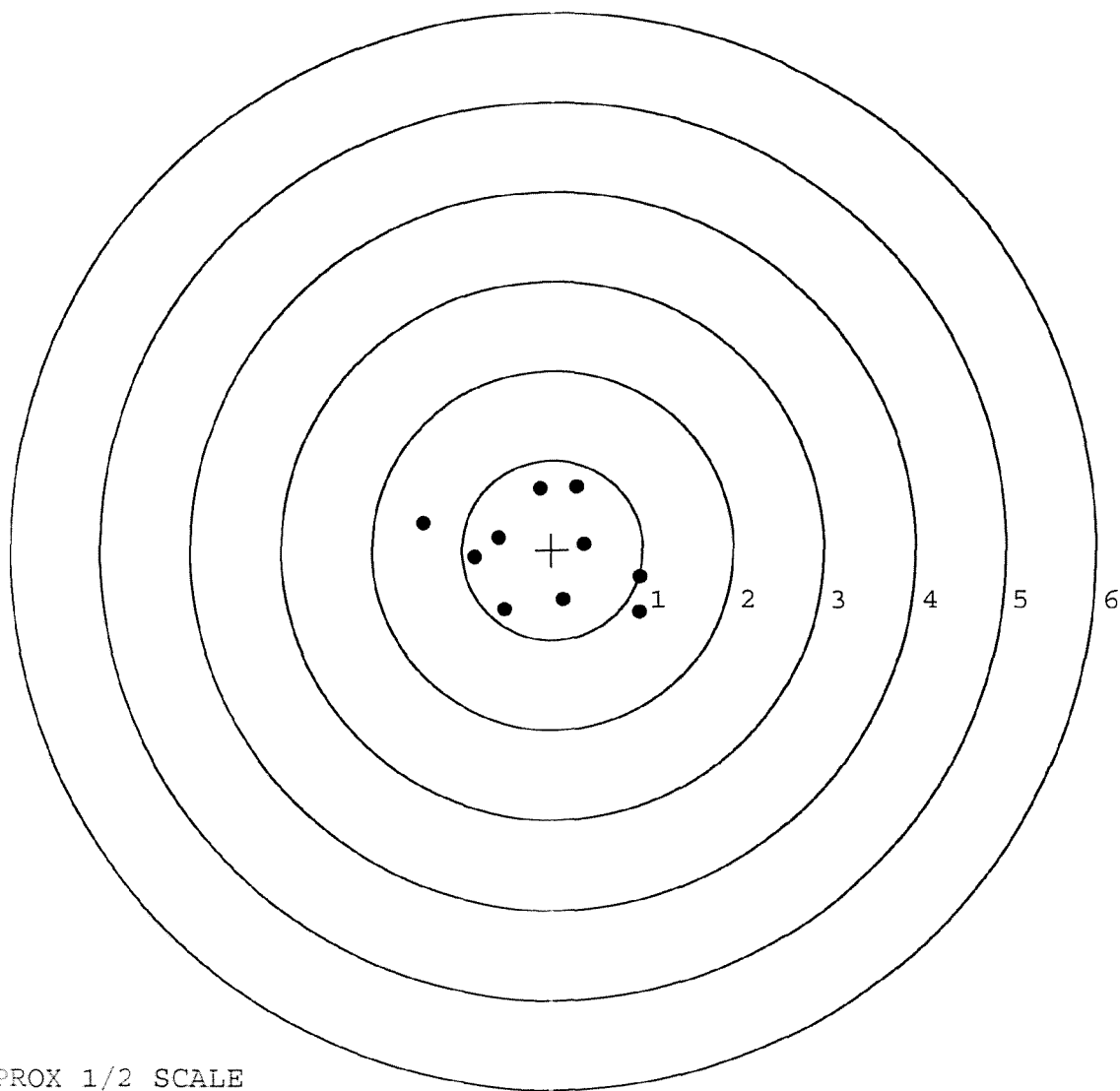
FIREARM SERIAL NUMBER / DATASET NAME: C6225580.___0
FILE DATE AND TIME: 02/04/2004 07:39

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.049
The Average Y Centroid of the Five Target Set:	-0.028
The Average Point of Impact of the Five Target Set:	0.057
The Average Mean Radius of the Five Target Set:	0.562
The Distance from POA to Centroid Target #1:	0.097
The Distance from Centroid Target #2 to Centroid Target #1:	0.312
The Distance from Centroid Target #3 to Centroid Target #1:	0.053
The Distance from Centroid Target #4 to Centroid Target #1:	0.154
The Distance from Centroid Target #5 to Centroid Target #1:	0.216

SERIAL NUMBER: C6225580. __0
TARGET NUMBER: 1
FILE DATE: 02/04/2004
FILE TIME: 07:39

	POINT#	X	Y
	1:	0.964	-0.698
	2:	0.972	-0.301
	3:	0.351	0.065
	4:	0.267	0.705
	5:	-0.135	0.685
	6:	0.124	-0.556
	7:	-0.529	-0.663
	8:	-0.856	-0.088
	9:	-0.599	0.134
	10:	-1.436	0.291
X CENTROID:		-0.088	
Y CENTROID:		-0.043	
POA TO CENTROID:		0.097	
HORZ SPREAD:		2.408	
VERT SPREAD:		1.403	
GROUP SPREAD:		2.596	
MIN RADIUS:		0.452	
MAX RADIUS:		1.389	
MEAN RADIUS:		0.835	
# IN 1 IN DIAMETER:		1	
# IN 2 IN DIAMETER:		7	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225580. __0

TARGET NUMBER: 2

FILE DATE: 02/04/2004

FILE TIME: 07:39

POINT#	X	Y
1:	1.376	0.081
2:	0.352	0.378
3:	0.550	0.215
4:	0.202	-0.523
5:	-0.109	-0.289
6:	-0.243	0.136
7:	-0.187	-0.018
8:	0.045	0.397
9:	0.201	0.013
10:	-0.015	-0.141

X CENTROID: 0.217

Y CENTROID: 0.025

POA TO CENTROID: 0.219

HORZ SPREAD: 1.619

VERT SPREAD: 0.920

GROUP SPREAD: 1.620

MIN RADIUS: 0.020

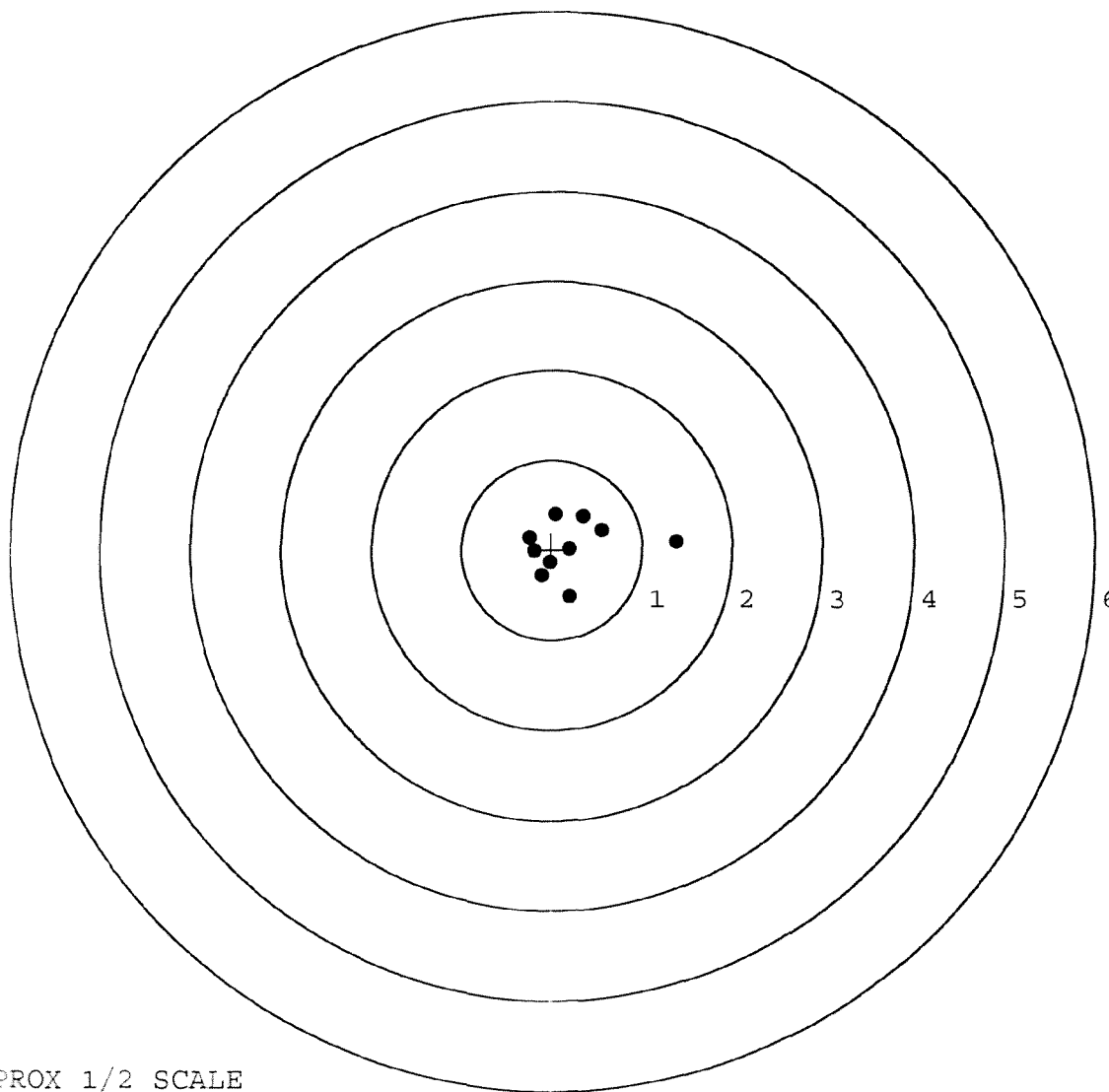
MAX RADIUS: 1.160

MEAN RADIUS: 0.452

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

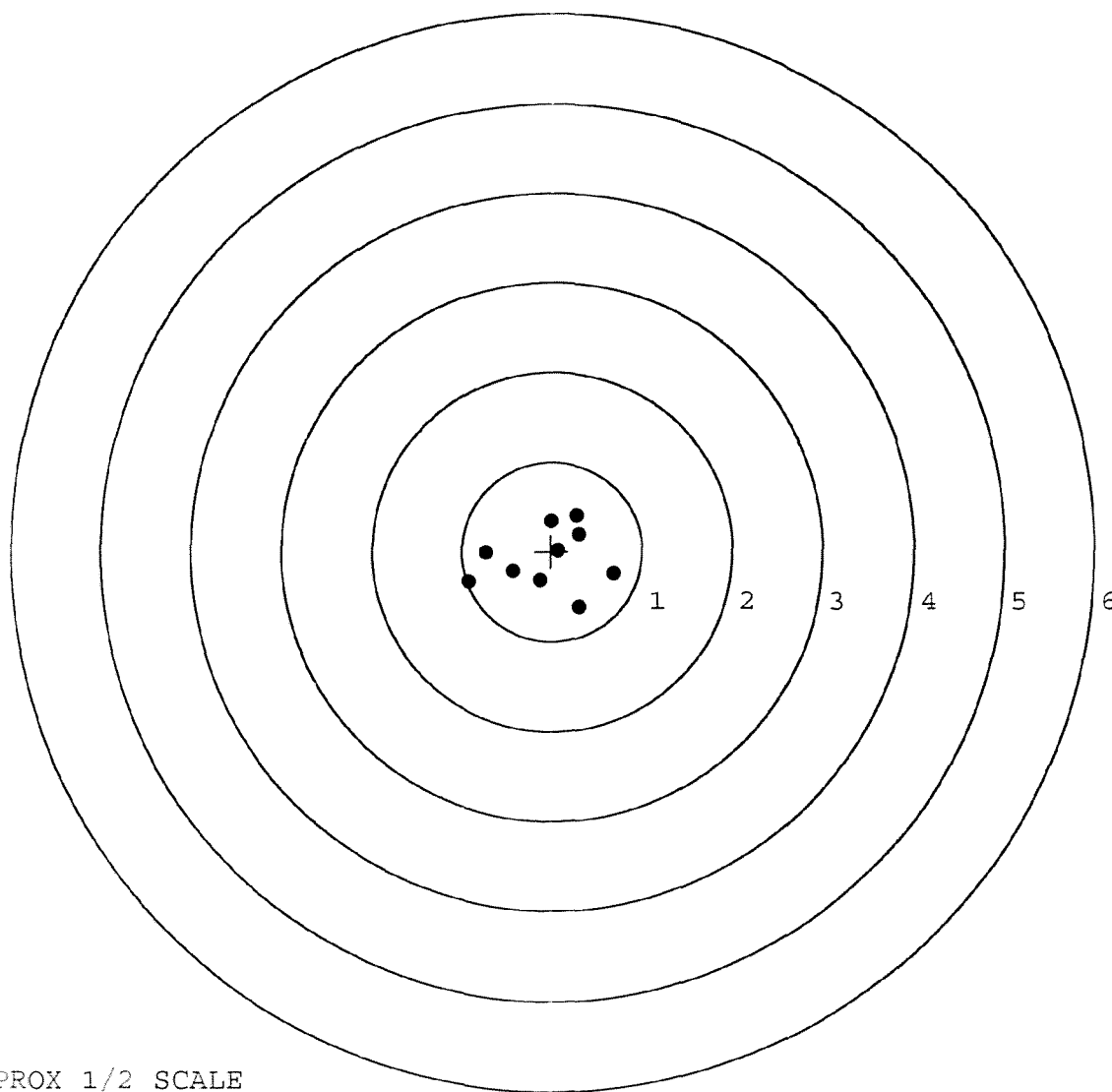


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225580. __0
TARGET NUMBER: 3
FILE DATE: 02/04/2004
FILE TIME: 07:39

X CENTROID: -0.057
Y CENTROID: -0.085
POA TO CENTROID: 0.102
HORZ SPREAD: 1.613
VERT SPREAD: 1.027
GROUP SPREAD: 1.616
MIN RADIUS: 0.164
MAX RADIUS: 0.907
MEAN RADIUS: 0.529
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.311	-0.626
2:	0.688	-0.249
3:	-0.127	-0.330
4:	-0.431	-0.225
5:	-0.730	-0.016
6:	-0.925	-0.346
7:	0.075	0.012
8:	-0.012	0.335
9:	0.306	0.190
10:	0.280	0.401



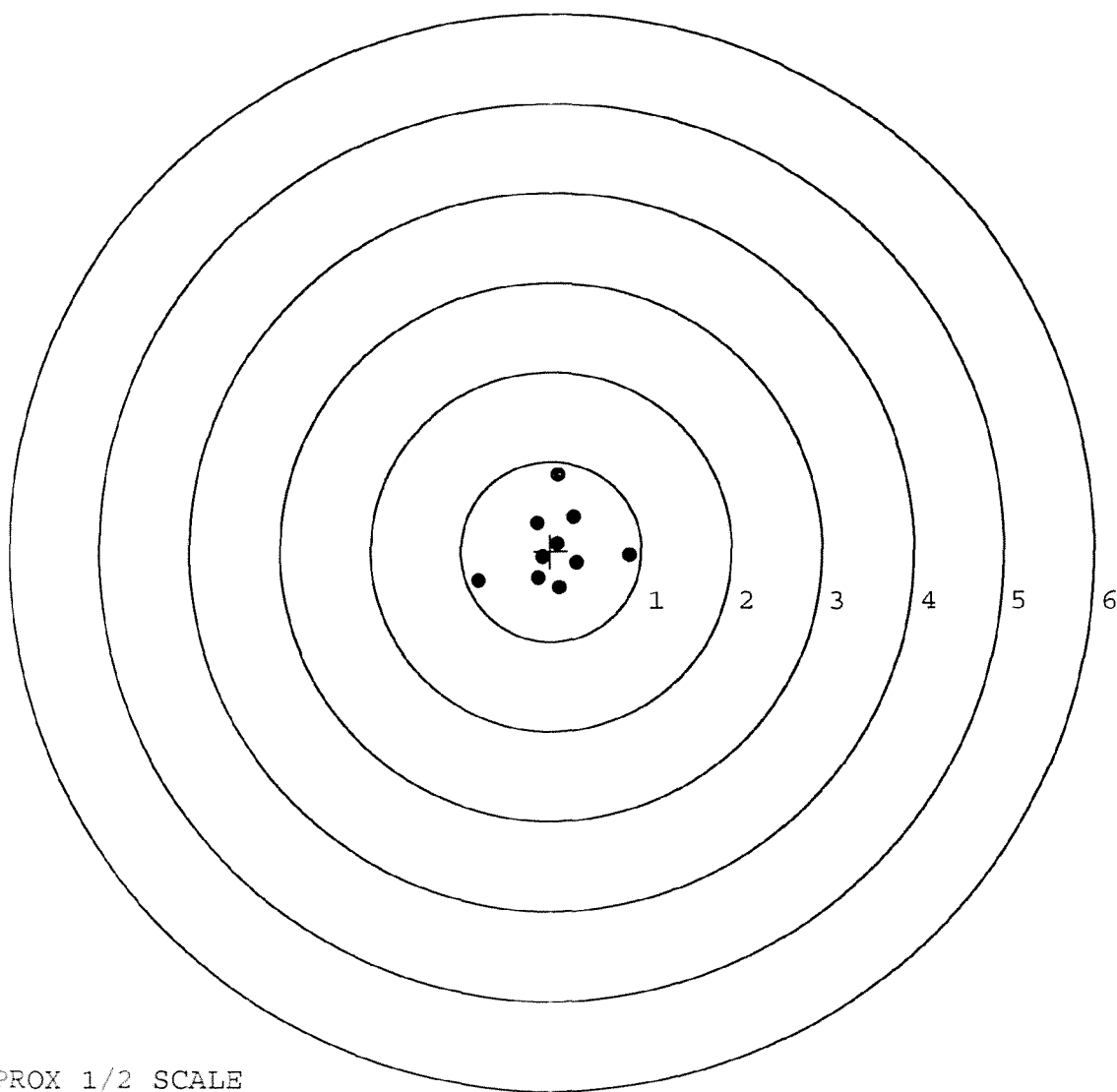
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225580. __0
TARGET NUMBER: 4
FILE DATE: 02/04/2004
FILE TIME: 07:39

X CENTROID: 0.047
Y CENTROID: 0.031
POA TO CENTROID: 0.057
HORZ SPREAD: 1.675
VERT SPREAD: 1.259
GROUP SPREAD: 1.699
MIN RADIUS: 0.054
MAX RADIUS: 0.927
MEAN RADIUS: 0.467

POINT#	X	Y
1:	0.871	-0.055
2:	0.083	0.848
3:	-0.804	-0.337
4:	-0.158	0.312
5:	0.248	0.385
6:	0.290	-0.131
7:	0.095	-0.411
8:	-0.145	-0.306
9:	-0.087	-0.068
10:	0.080	0.074

IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225580. __0

TARGET NUMBER: 5

FILE DATE: 02/04/2004

FILE TIME: 07:39

POINT#	X	Y
1:	0.087	-1.176
2:	-0.519	-0.122
3:	-0.748	-0.012
4:	0.404	0.317
5:	-0.071	0.297
6:	0.149	0.034
7:	0.611	-0.256
8:	0.513	-0.035
9:	0.523	0.119
10:	0.321	0.167

X CENTROID: 0.127

Y CENTROID: -0.067

POA TO CENTROID: 0.143

HORZ SPREAD: 1.359

VERT SPREAD: 1.493

GROUP SPREAD: 1.526

MIN RADIUS: 0.103

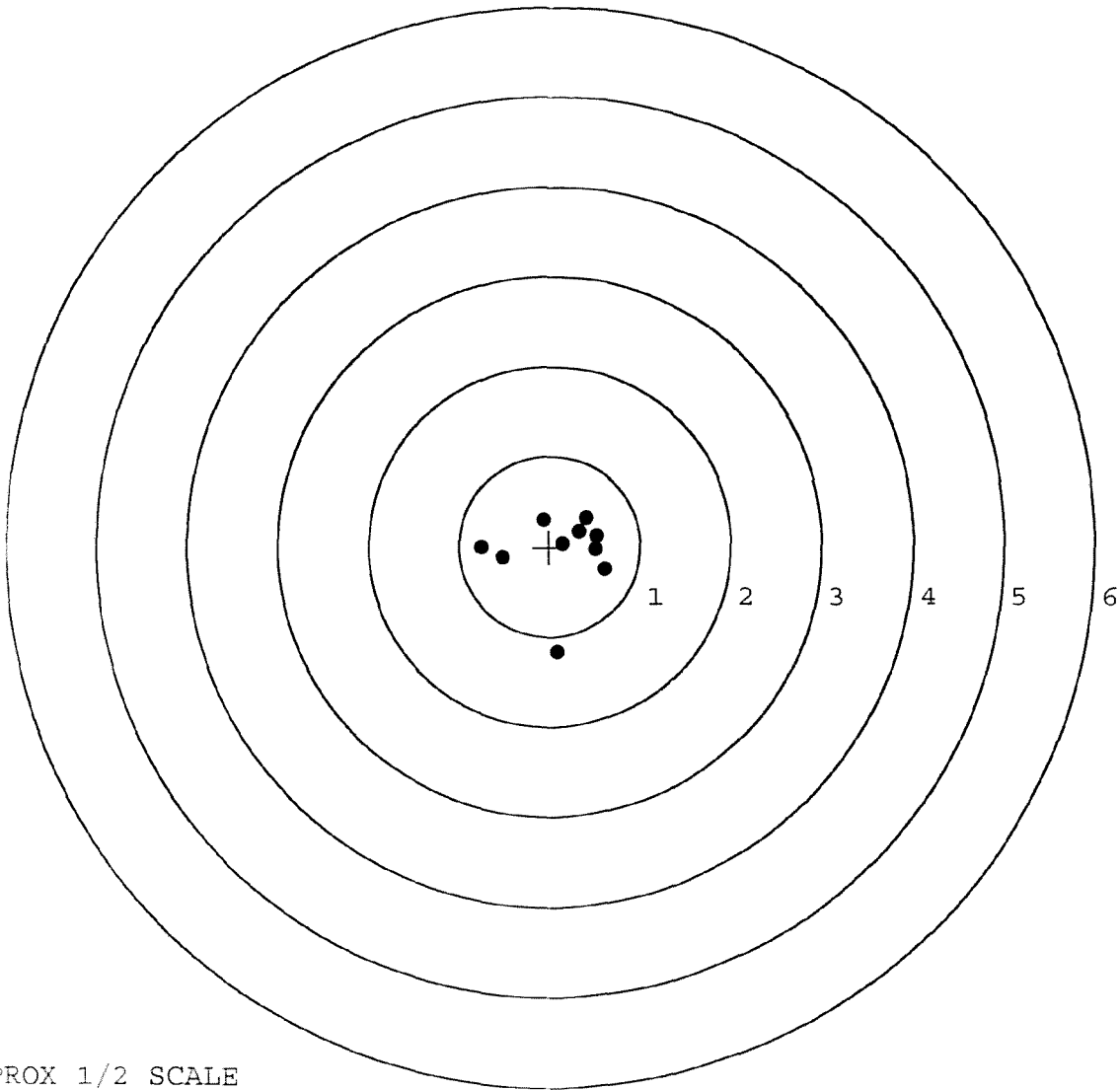
MAX RADIUS: 1.110

MEAN RADIUS: 0.527

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	75730		
SERIAL NUMBER	C6225580		
LOG-IN DATE	1-16-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-16-04	RTL
560 A	RE-BARREL	1-22-04	RTL
B	DRILL AND TAP	1-23-04	TRW
575	ASSEMBLE	1-22-04	RTL
600	PROOF	1-22-04	RLW
605	CHECK HEADSPACE	1-22-04	RLW
610	DIS-ASSEMBLE GUN	1-22-04	RLW
612	MAGNAFLUX BRATON <i>RL</i>		
615	ROLLMARK CALIBER	1-22-04	RL
618	ROTO-BLAST	1-22-04	DANS
620	APPLY COATINGS	1-29	TA
625 A	FINAL ASSEMBLY	2-2-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	2-3-04	AC
655	FINAL INSPECT	2-5-04	RTL
660	PACK	2-13-04	RLA
		SHIP DATE	
OAR INSPECTION DATE			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225580

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/14/89	SS.
617	Drill and Tap Sight Holes	4 14	89	LB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4/20/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/89	RW
	C) Inspect Ejector Hole for Chamfer		5/1/89	RW
	D) Oil Firing Pin Ass'y		5/1/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/2/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/2/89	JH
	G) Safety Off Force	3	3	3			5/2/89	JH
	H) Trigger Pull Test & Retainability						5/2/89	WB
	I) Firing Pin Indent	.020	.020	.020			5/2/89	JH
	J) Assemble Stock						5/2/89	RW
	K) Assemble Swivel Studs						15 May 89	W
	L) Attach Front and Rear Sight Assemblies						5/2/89	RW
	M) Iron Sight Alignment						5/2/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/2/89	RW
	O) Attach Scope to Rifle						5/2/89	JH
	P) Detach & Attach Scope 20 Times						5/3/89	JH
640	Gallery Target & Test	81 R	77 L				5/4/89	A
	A) Time						5/4/89	A
	B) Malfunctions						5/4/89	A
	C) Pierced Primers						5/4/89	A
	D) Optical Clarity of Scope						5/4/89	A
645	Inspect for Live Ammo						5/4/89	W
655	Final Inspection							
	A) Headspace						15 May 89	W
	B) Trigger Pull	2.52	2.42	2.53	2.59	2.56	15 May 89	W
	C) Function						15 May 89	W
660	Pack						26 June 89	W

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5580

DATE 3-26-90

TESTER JJP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.43	2.56	2.50	MIN. SETTING,
PULL #2	2.54	2.41	2.46	NO AVG. OF 5
PULL #3	2.51	2.39	2.56	READINGS ACCEPT-
PULL #4	2.56	2.42	2.50	ABLE LESS THAN 2#
PULL #5	2.58	2.33	2.58	
TOTAL	12.62	12.11	12.60	
AVG.	2.524	2.422	2.524	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.41	3.48	
PULL #2	3.44	3.42	
PULL #3	3.47	3.43	
PULL #4	3.40	3.49	
PULL #5	3.49	3.51	
TOTAL	17.21	17.33	
AVG.	3.442	3.466	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.47		
PULL #2	4.17	4.47		
PULL #3	4.12	4.40		
PULL #4	4.02	4.48		
PULL #5	4.42	4.57		
TOTAL	20.87	22.39		
AVG.	4.174	4.478		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225580
4 May 1989

CENTROIDAL DISTANCES

0 TO	1	.402045
1 TO	2	.3753
1 TO	3	.187385
1 TO	4	.237539
1 TO	5	.366285

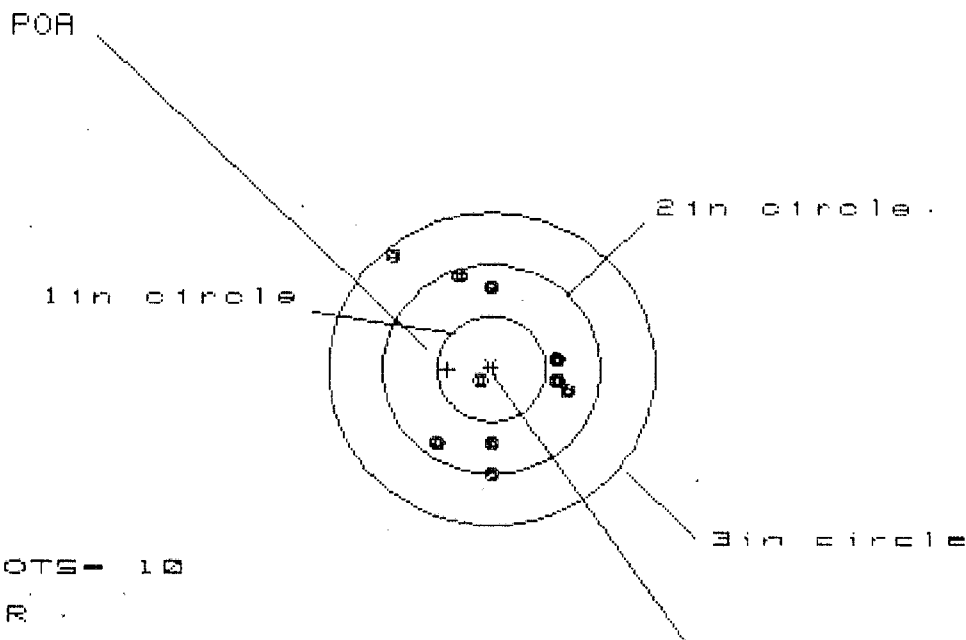
+34 <----FOR
3

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4482
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1716
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .479927
THE AMR FOR THIS RIFLE IS: .7086

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C62255B0

CENTERFIRE PATTERNS # 1



OF SHOTS- 10
 # IN CIR
 1in = 1
 2in = 9
 3in = 10
 HS= 1.525
 VS= 2.055
 GS= 2.211

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.663	.567	.549
MINIMUM X	:	-.862	-.561	-.579
MAXIMUM Y	:	1.075	.973	.865
MINIMUM Y	:	-.980	-.860	-.719
CENTROID X	:	.402	.498	.516
CENTROID Y	:	.006	-.114	-.006
POA TO CENTROID in.	:	.402	.511	.516
MIN RADIUS	:	.128	.195	.222
MEAN RADIUS	:	.753	.662	.633
MAX RADIUS	:	1.378	1.052	.961
HORIZONTAL SPREAD	:	1.525	1.128	1.128
VERTICAL SPREAD	:	2.055	1.833	1.584
EXTREME SPREAD	:	2.211	1.851	1.592
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	9		
NUMBER IN THREE INCH CIRCLE	=	10		

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225580

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.220

VS= 2.041

GS= 2.843

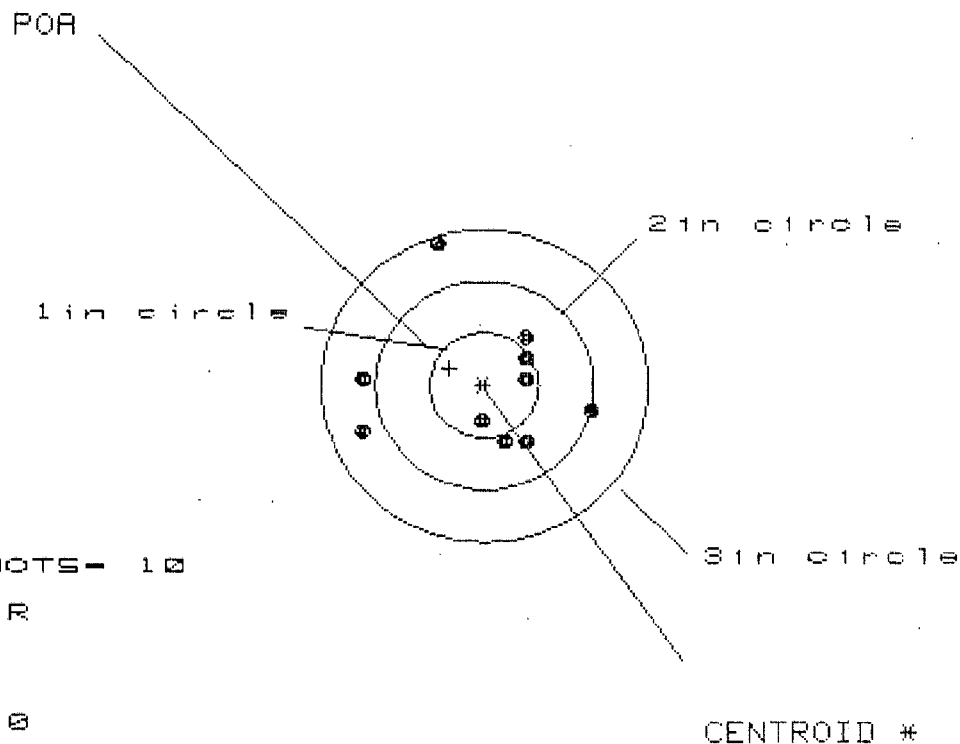
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.101	.945	.820
MINIMUM X	:	-1.119	-.996	-.880
MAXIMUM Y	:	1.475	.612	.607
MINIMUM Y	:	-.566	-.402	-.326
CENTROID X	:	.417	.294	.419
CENTROID Y	:	-.369	-.533	-.609
POA TO CENTROID in.	:	.557	.609	.739
MIN RADIUS	:	.224	.178	.132
MEAN RADIUS	:	.750	.585	.478
MAX RADIUS	:	1.841	1.169	1.020
HORIZONTAL SPREAD	:	2.220	1.941	1.700
VERTICAL SPREAD	:	2.041	1.014	.933
EXTREME SPREAD	:	2.843	1.943	1.939
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225580

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.129

VS= 1.877

GS= 2.140

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.964	.916	.765
MINIMUM X	:	-1.165	-1.213	-1.305
MAXIMUM Y	:	1.340	.609	.571
MINIMUM Y	:	-.537	-.388	-.426
CENTROID X	:	.319	.367	.518
CENTROID Y	:	-.162	-.311	-.273
POA TO CENTROID in.	:	.358	.481	.586
MIN RADIUS	:	.372	.232	.242
MEAN RADIUS	:	.781	.678	.570
MAX RADIUS	:	1.407	1.250	1.317
HORIZONTAL SPREAD	:	2.129	2.129	2.070
VERTICAL SPREAD	:	1.877	.997	.997
EXTREME SPREAD	:	2.140	2.136	2.099
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225580

CENTERFIRE PATTERNS

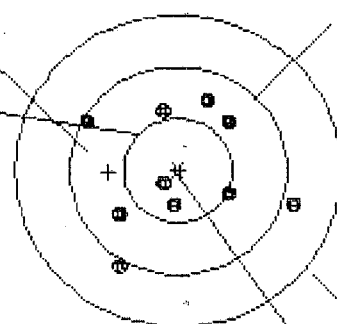
4

POA

1 in circle

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.867

VS= 1.612

GS= 2.002

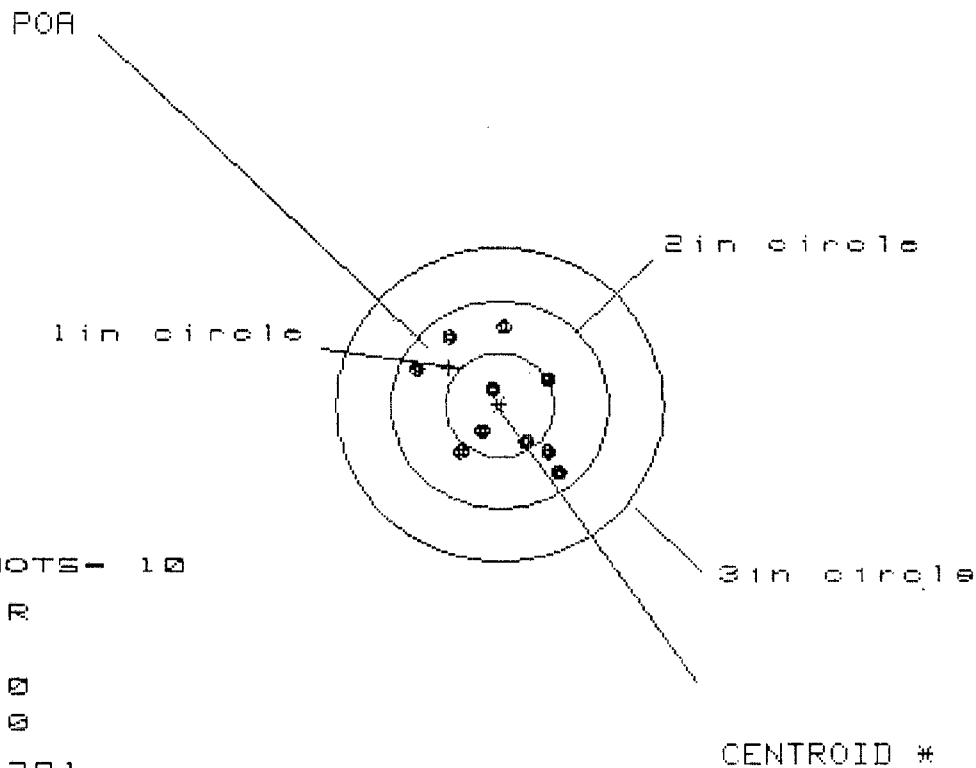
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.045	.622	.570
MINIMUM X	:	-.822	-.705	-.757
MAXIMUM Y	:	.709	.678	.561
MINIMUM Y	:	-.903	-.934	-.527
CENTROID X	:	.639	.522	.574
CENTROID Y	:	.022	.053	.170
POA TO CENTROID in.	:	.639	.525	.599
MIN RADIUS	:	.189	.167	.291
MEAN RADIUS	:	.688	.639	.592
MAX RADIUS	:	1.083	1.022	.812
HORIZONTAL SPREAD	:	1.867	1.327	1.327
VERTICAL SPREAD	:	1.612	1.612	1.088
EXTREME SPREAD	:	2.002	1.781	1.491
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

4 May 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C8225580

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 10

3 in = 10

HS= 1.281

VS= 1.370

GS= 1.623

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.561	.485	.403
MINIMUM X	:	-.720	-.658	-.442
MAXIMUM Y	:	.717	.644	.677
MINIMUM Y	:	-.653	-.550	-.517
CENTROID X	:	.464	.402	.484
CENTROID Y	:	-.355	-.282	-.315
POA TO CENTROID in.	:	.584	.491	.577
MIN RADIUS	:	.168	.081	.144
MEAN RADIUS	:	.571	.533	.507
MAX RADIUS	:	.861	.734	.744
HORIZONTAL SPREAD	:	1.281	1.143	.845
VERTICAL SPREAD	:	1.370	1.194	1.194
EXTREME SPREAD	:	1.623	1.404	1.400
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	




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

MODEL 700™ H24

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

SERIAL NO.
C6225580

ORDER NO.
5716

