

06523315

MODEL 700™ M24

Model SWS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

I reset all these
triggers with the
other pull gage
should be OK now
RS

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523315.__0
FILE DATE AND TIME: 08/08/2005 10:52

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.061
The Average Y Centroid of the Five Target Set:	-0.118
The Average Point of Impact of the Five Target Set:	0.133
The Average Mean Radius of the Five Target Set:	0.919
The Distance from POA to Centroid Target #1:	0.138
The Distance from Centroid Target #2 to Centroid Target #1:	0.355
The Distance from Centroid Target #3 to Centroid Target #1:	0.439
The Distance from Centroid Target #4 to Centroid Target #1:	0.161
The Distance from Centroid Target #5 to Centroid Target #1:	0.820

SERIAL NUMBER: C6523315. __0

TARGET NUMBER: 1

FILE DATE: 08/08/2005

FILE TIME: 10:52

X CENTROID: 0.035

Y CENTROID: 0.133

POA TO CENTROID: 0.138

HORZ SPREAD: 2.813

VERT SPREAD: 3.353

GROUP SPREAD: 3.508

MIN RADIUS: 0.483

MAX RADIUS: 1.951

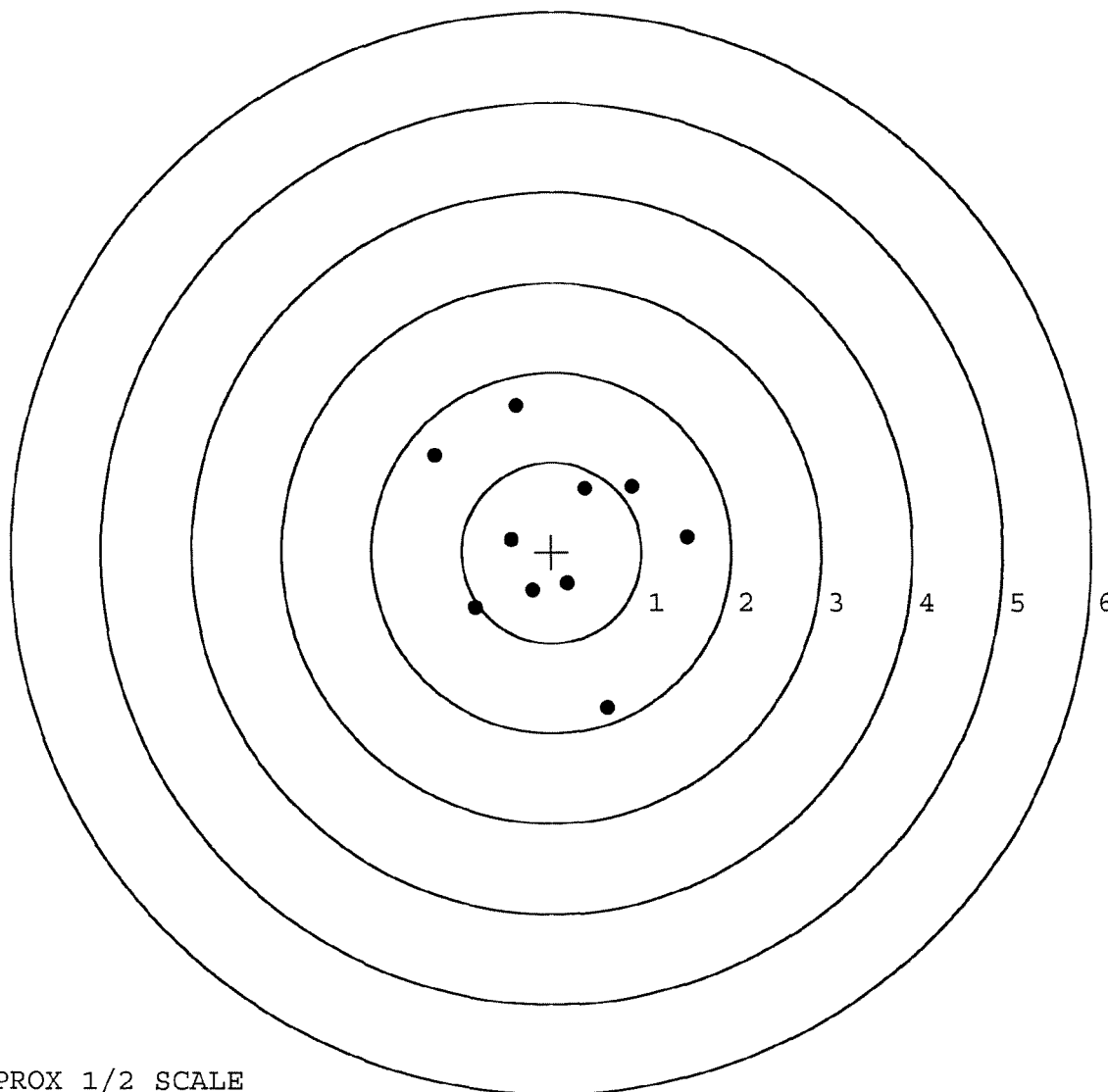
MEAN RADIUS: 1.107

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	1.513	0.170
2:	0.888	0.730
3:	0.373	0.707
4:	-0.406	1.627
5:	0.176	-0.349
6:	-0.448	0.134
7:	-0.220	-0.422
8:	-0.850	-0.607
9:	0.625	-1.726
10:	-1.300	1.069



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523315. __0

TARGET NUMBER: 2

FILE DATE: 08/08/2005

FILE TIME: 10:52

X CENTROID: -0.312

Y CENTROID: 0.210

POA TO CENTROID: 0.376

HORZ SPREAD: 2.105

VERT SPREAD: 1.635

GROUP SPREAD: 2.272

MIN RADIUS: 0.267

MAX RADIUS: 1.208

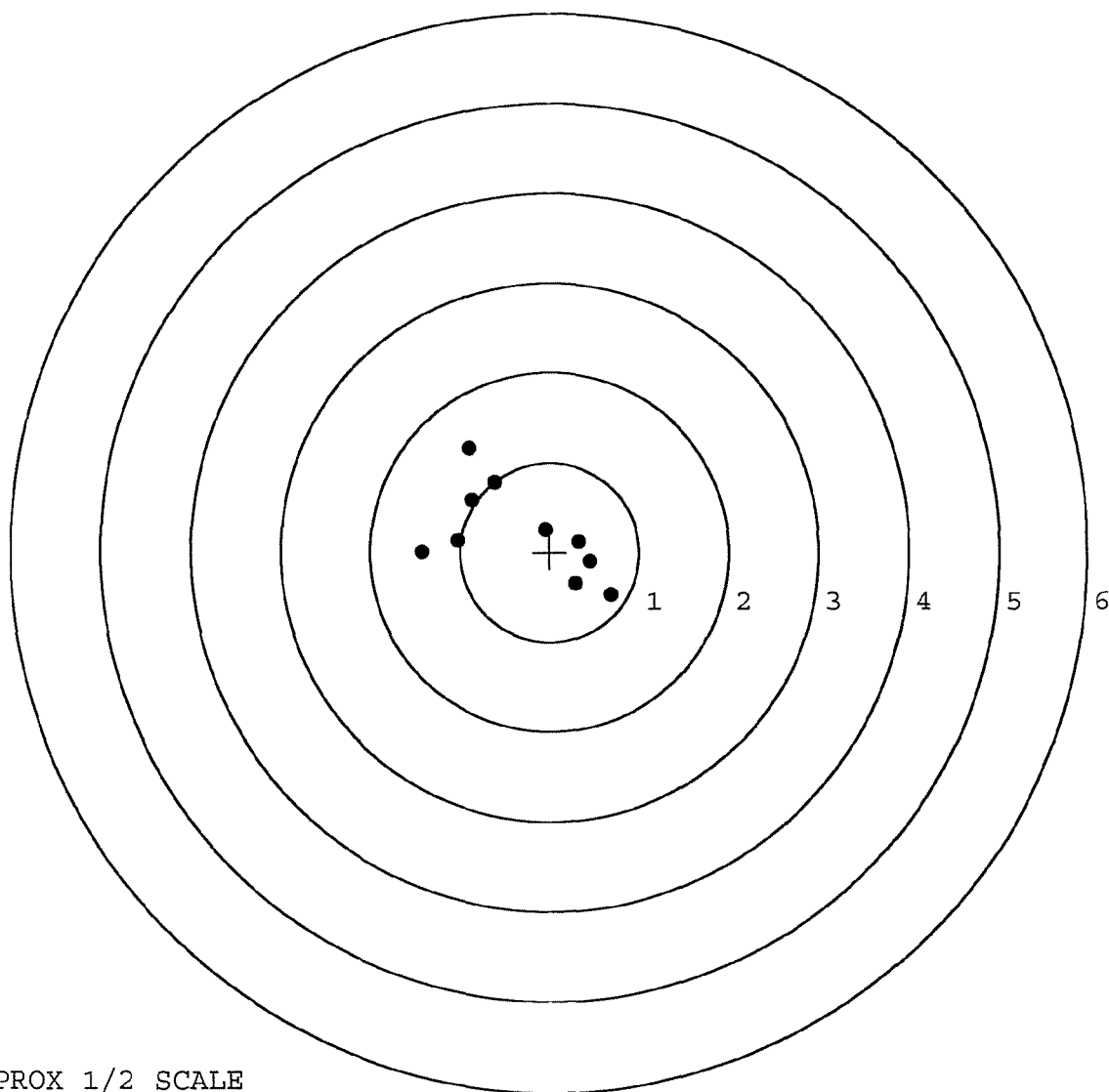
MEAN RADIUS: 0.806

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.682	-0.477
2:	0.293	-0.352
3:	0.456	-0.102
4:	0.330	0.123
5:	-0.048	0.249
6:	-0.616	0.786
7:	-0.896	1.158
8:	-0.872	0.581
9:	-1.026	0.131
10:	-1.423	0.001



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523315.___0

TARGET NUMBER: 3

FILE DATE: 08/08/2005

FILE TIME: 10:52

X CENTROID: 0.152

Y CENTROID: -0.289

POA TO CENTROID: 0.327

HORZ SPREAD: 1.994

VERT SPREAD: 2.504

GROUP SPREAD: 2.565

MIN RADIUS: 0.489

MAX RADIUS: 1.636

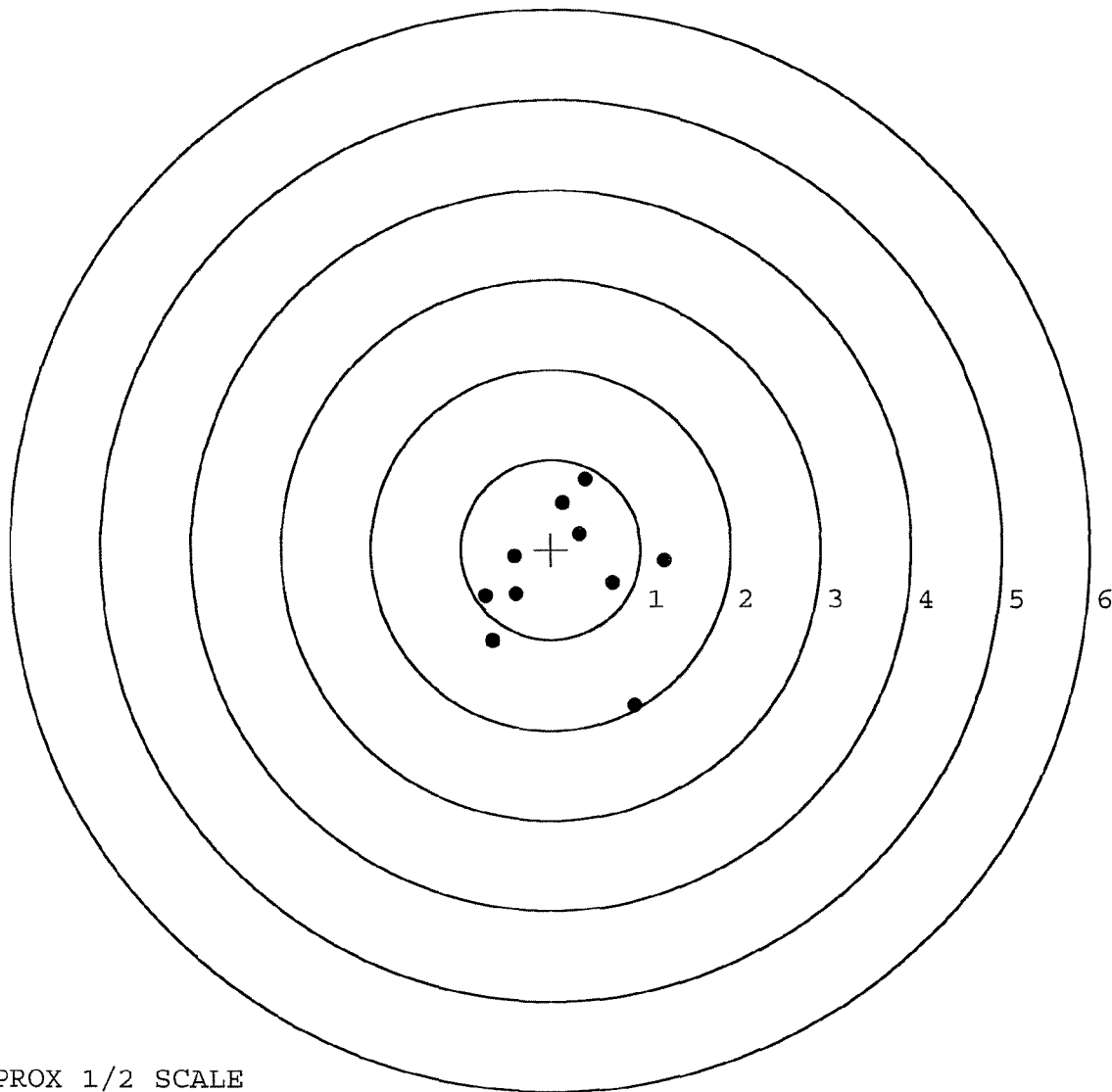
MEAN RADIUS: 0.887

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.936	-1.725
2:	0.683	-0.372
3:	1.262	-0.131
4:	0.321	0.170
5:	0.130	0.517
6:	0.381	0.779
7:	-0.413	-0.085
8:	-0.397	-0.500
9:	-0.732	-0.522
10:	-0.647	-1.024



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523315. __0

TARGET NUMBER: 4

FILE DATE: 08/08/2005

FILE TIME: 10:52

X CENTROID: 0.071

Y CENTROID: -0.023

POA TO CENTROID: 0.075

HORZ SPREAD: 1.879

VERT SPREAD: 2.219

GROUP SPREAD: 2.467

MIN RADIUS: 0.025

MAX RADIUS: 1.453

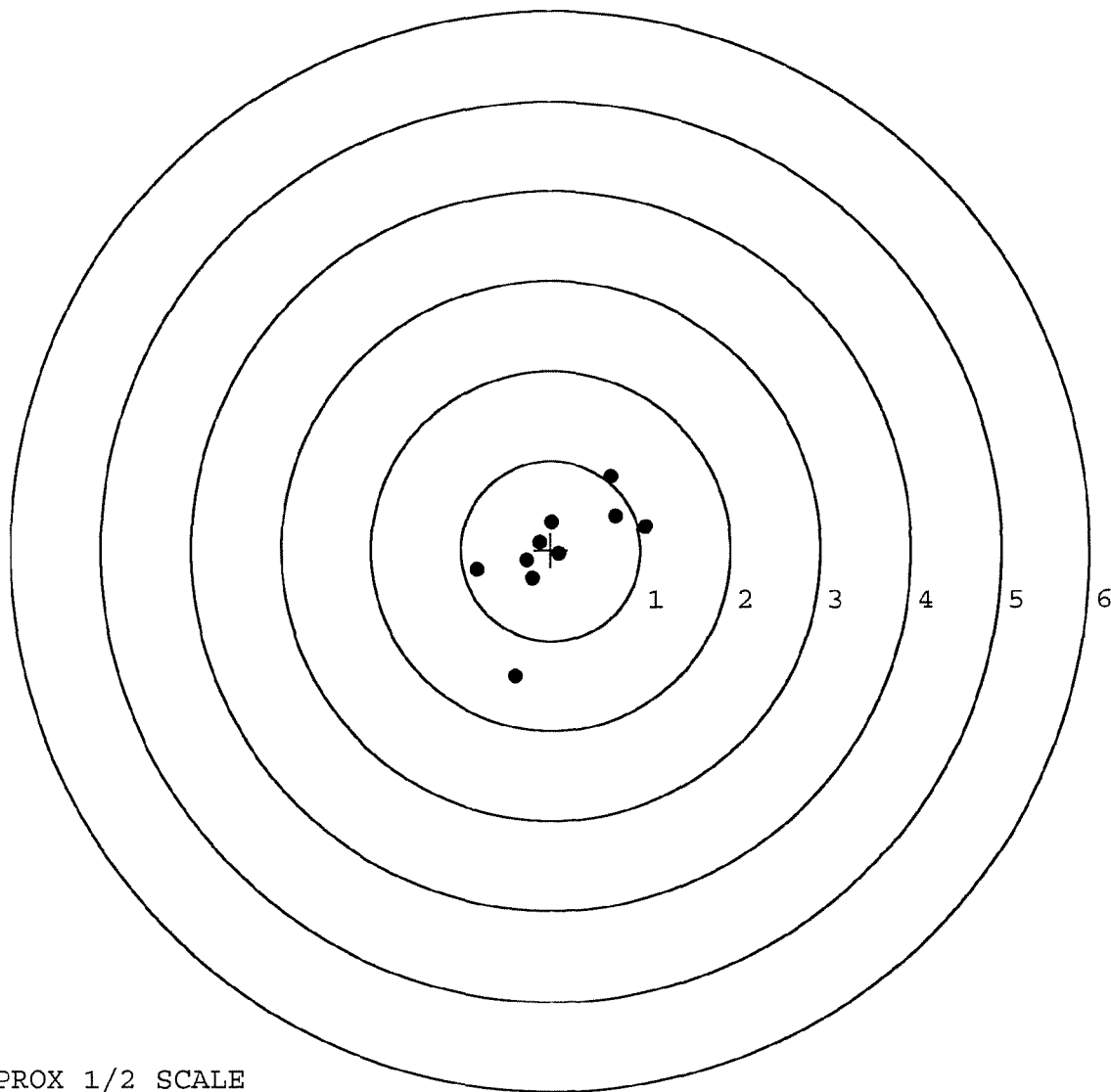
MEAN RADIUS: 0.654

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.405	-1.396
2:	-0.823	-0.215
3:	-0.212	-0.316
4:	-0.270	-0.114
5:	0.088	-0.042
6:	-0.122	0.084
7:	0.008	0.311
8:	1.056	0.258
9:	0.717	0.375
10:	0.673	0.823



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523315. 0

TARGET NUMBER: 5

FILE DATE: 08/08/2005

FILE TIME: 10:52

X CENTROID: 0.359

Y CENTROID: -0.620

POA TO CENTROID: 0.716

HORZ SPREAD: 2.550

VERT SPREAD: 3.017

GROUP SPREAD: 3.083

MIN RADIUS: 0.311

MAX RADIUS: 1.696

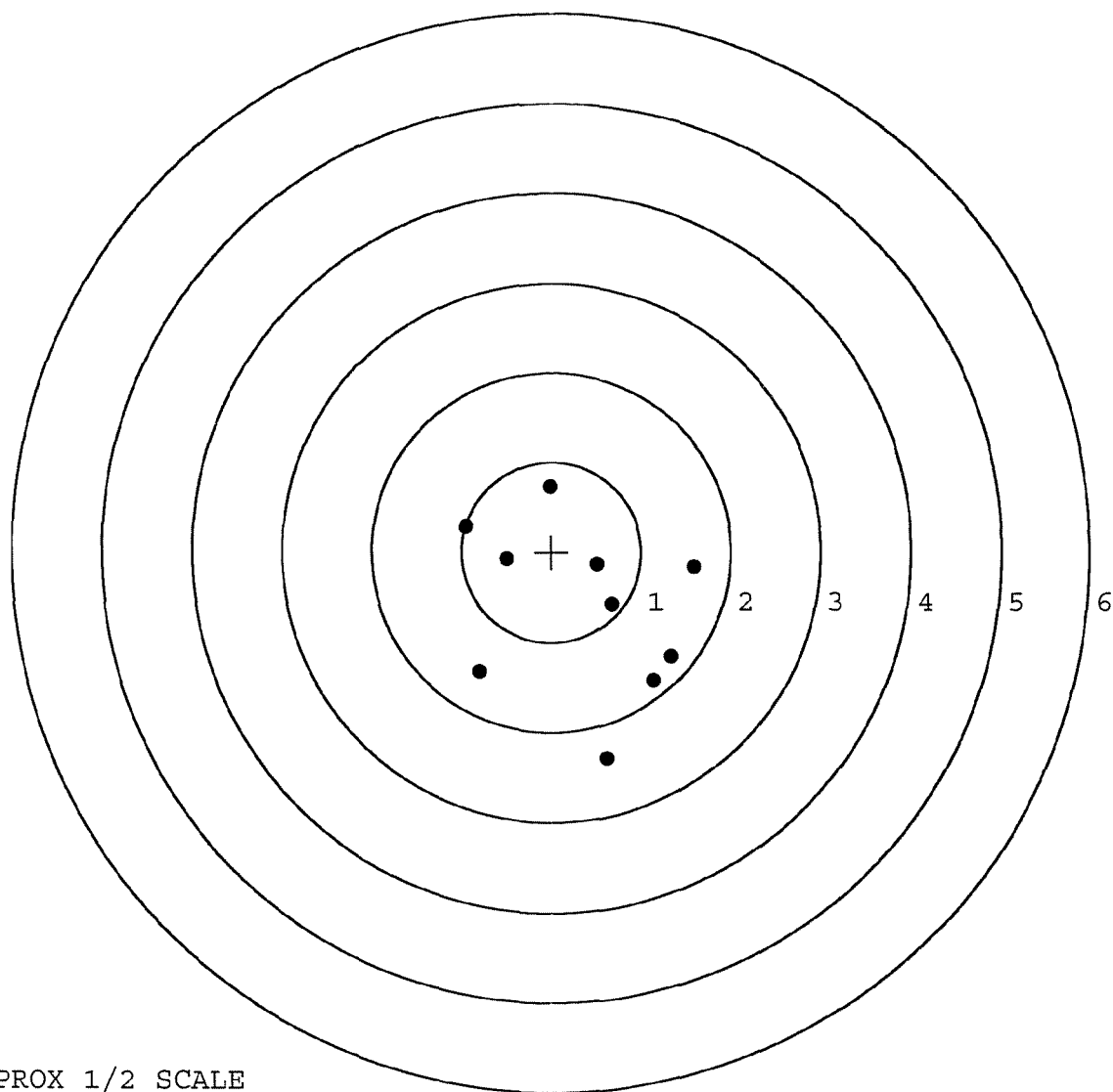
MEAN RADIUS: 1.143

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.667	-0.580
2:	0.511	-0.143
3:	-0.016	0.721
4:	-0.501	-0.086
5:	-0.957	0.277
6:	-0.806	-1.328
7:	1.340	-1.166
8:	1.593	-0.169
9:	1.137	-1.428
10:	0.620	-2.296



TARGET APPROX 1/2 SCALE

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

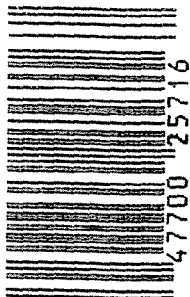
R & E NUMBER	98288		
SERIAL NUMBER	C6523315		
LOG-IN DATE	6-29-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7-5-05	RTL
560 A	RE-BARREL	7-6-05	RTL
B	DRILL AND TAP	7-6-05	TRW
575	ASSEMBLE	7-6-05	RTL
600	PROOF	7-6-05	RTL
605	CHECK HEADSPACE	7-6-05	RTL
610	DIS-ASSEMBLE GUN	7-6-05	RTL
612	MAGNAFLUX	7/6/05	uncl
615	ROLLMARK CALIBER	7-6-05	CW
618	ROTO-BLAST	7/7/05	JS
620	APPLY COATINGS	7-18-05	CW
625 A	FINAL ASSEMBLY	8-1-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	8-9-05	AC
D	SAFETY "OFF" FORCE	8-9-05	AC
E	FIRING PIN INDENT	8-9-05	AC
640	TARGET	8-8-05	TRW
655	FINAL INSPECT	8-9-05	AC
660	PACK	8-10-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington MODEL 700™ M24		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.	
REG. U.S. PAT. & TM. OFF.		DUPONT	
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.		SERIAL NO. C6523315	ORDER NO. 5716



5716 C6523315

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523315

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/2/90	KA
600	Proof		10/2/90	KA
607	Check Headspace		10/2/90	KA
610	Dis-assemble Gun		10/2/90	KA
612	Magnaflux Barrel Action		10/5/90	KR
	Magnaflux Bolt		10/5/90	KR
615	Rollmark Caliber		10/5/90	GL
617	Drill and Tap Sight Holes		10/8/90	KB
618	Polish Barrel <i>1R03</i>		10/9/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	KA
	C) Inspect Ejector Hole for Chamfer		11/2/90	KA
	D) Oil Firing Pin Ass'y		11/2/90	KA
	E) Adjust Trigger Pull to Min Setting and Stake		11/2/90	KT

op. #	OP. NAME	READINGS				DATE	INIT	
625 cont.	F) Safety On Force	4.5	4.5	4.5		11-2-90	KT	
	G) Safety Off Force	2.5	2.5	2.25		11-2-90	KT	
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.025	.024	.025		11-2-90	KT	
	J) Assemble Stock					11-3-90	KA	
	K) Assemble Swivel Studs					11/19/90	QSS	
	L) Attach Front and Rear Sight Assemblies					11-3-90	KA	
	M) Iron Sight Alignment					11-3-90	KA	
	N) Detach Front & Rear Sights & place in numbered container					11-3-90	KA	
	O) Attach Scope to Rifle					11-3-90	KA	
	P) Detach & Attach Scope 20 Times					11-3-90	KA	
640	Gallery Target & Test					11-5-90	DH	
	A) Time					11-5-90	DH	
	B) Malfunctions					11-5-90	DH	
	C) Pierced Primers					11-5-90	DH	
	D) Optical Clarity of Scope					11-5-90	DH	
645	Inspect for Live Ammo					11-5-90	DH	
655	Final Inspection							
	A) Headspace					11/19/90	QSS	
	B) Trigger Pull	220	227	233	242	233	11/19/90	QSS
	C) Function						11/19/90	QSS
660	Pack						12/18/90	VF

SWS TRIGGER PULL TEST

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

SERIAL NO. C 6523315

DATE 11-2-90

TESTER Kf

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.22	2.18	220	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.38	2.32	227	
PULL #3	2.36	2.16	2.27	233	
PULL #4	2.28	2.19	2.34	243	
PULL #5	2.43	2.20	2.35	233	
TOTAL	11.79	11.15	11.46		
AVG.	2.35	2.23	2.29		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.18		
PULL #2	3.16	3.17		
PULL #3	3.26	3.09		
PULL #4	3.28	3.05		
PULL #5	3.32	3.12		
TOTAL	16.30	15.60		
AVG.	3.26	3.12		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.20		4.26
PULL #2	4.20	4.39		4.30
PULL #3	4.12	4.34		4.32
PULL #4	4.04	4.30		4.14
PULL #5	4.20	4.29		4.31
TOTAL	20.77	21.50		21.33
AVG.	4.15	4.30		4.26

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523315
5 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.00223607
1 TO	2	.129653
1 TO	3	.0905233
1 TO	4	.00989949
1 TO	5	.266332

0.001

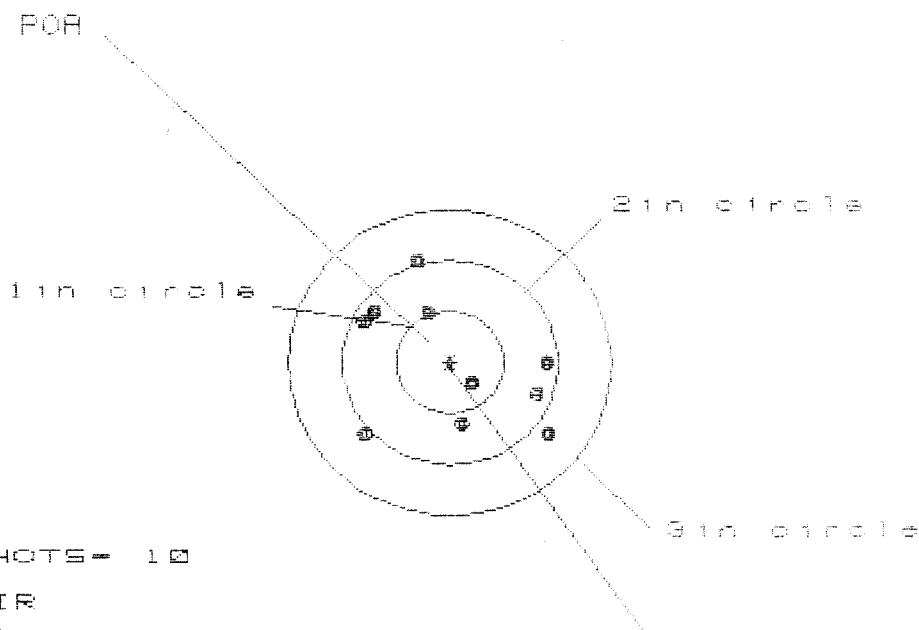
<-----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0094
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0466
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0475380
THE AMR FOR THIS RIFLE IS: .801

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523315

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.752

VS= 1.757

GS= 2.158

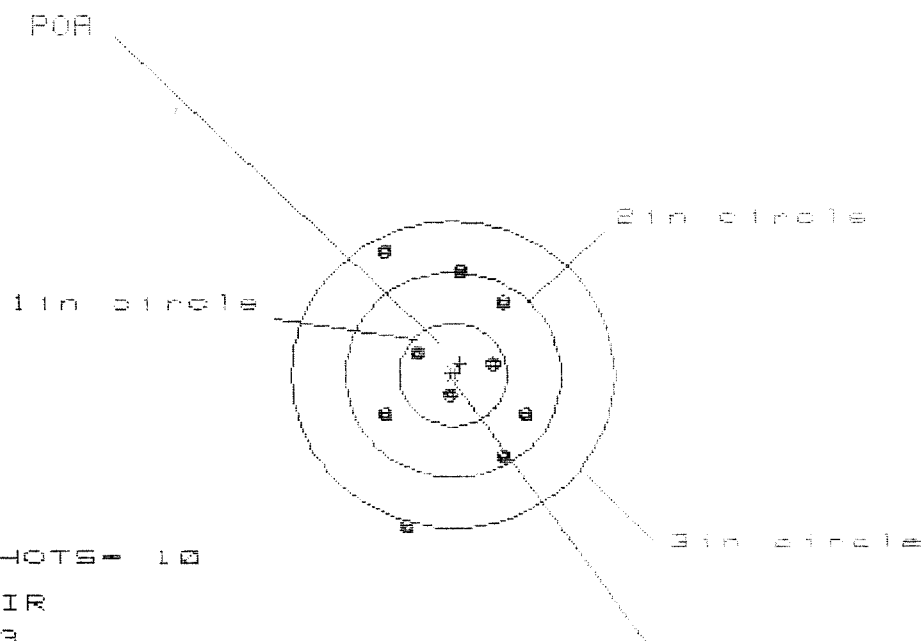
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.905	.996	.965
MINIMUM X	-.847	-.746	-.777
MAXIMUM Y	1.040	.961	.565
MINIMUM Y	-.717	-.751	-.631
CENTROID X	.001	-.100	-.069
CENTROID Y	.002	.081	-.039
POA TO CENTROID in.	.002	.129	.079
MIN RADIUS	.283	.467	.300
MEAN RADIUS	.838	.799	.765
MAX RADIUS	1.155	1.036	.976
HORIZONTAL SPREAD	1.752	1.742	1.742
VERTICAL SPREAD	1.757	1.712	1.196
EXTREME SPREAD	2.158	1.847	1.847
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

5 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08583315

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 1.324

VS = 2.733

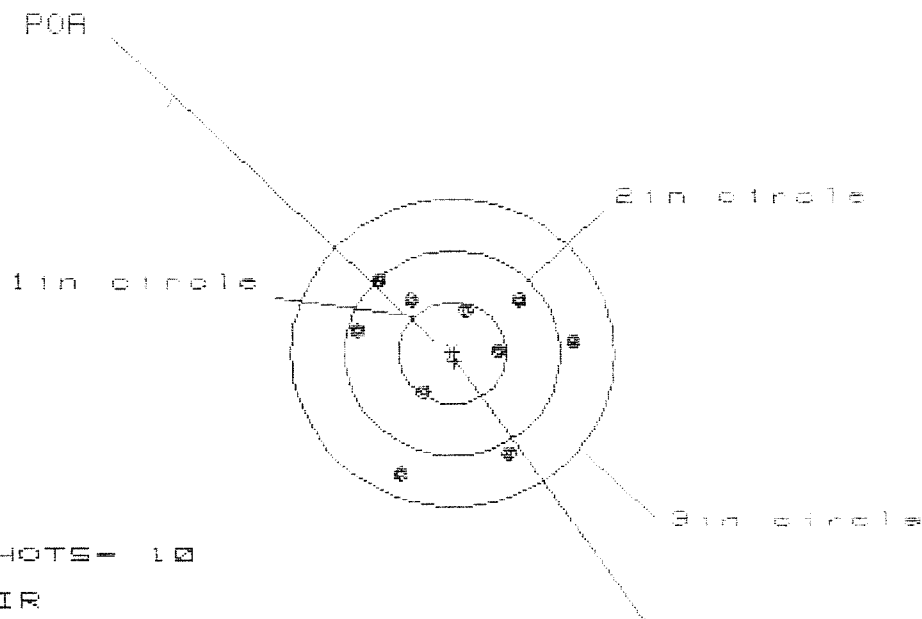
GS = 2.739

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.670	.624	.544
MINIMUM X	-.654	-.700	-.780
MAXIMUM Y	1.226	1.059	.980
MINIMUM Y	-1.507	-.989	-.857
CENTROID X	-.066	-.020	.060
CENTROID Y	-.109	.058	-.074
POA TO CENTROID in.	.127	.062	.095
MIN RADIUS	.204	.353	.202
MEAN RADIUS	.829	.743	.664
MAX RADIUS	1.562	1.235	.984
HORIZONTAL SPREAD	1.324	1.324	1.324
VERTICAL SPREAD	2.733	2.048	1.837
EXTREME SPREAD	2.739	2.314	1.891
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

5 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523315

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 7

3in = 10

HS = 2.012

VS = 1.909

GS = 2.101

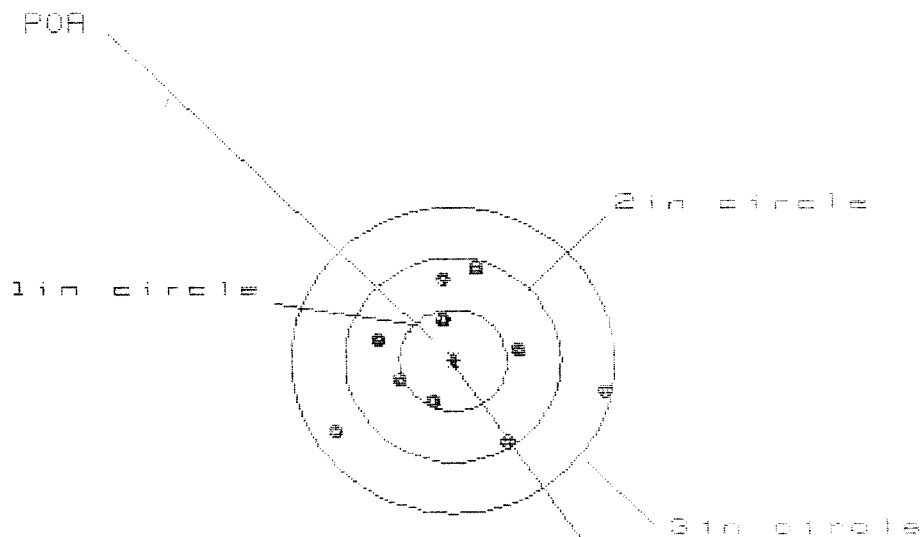
CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.095
MINIMUM X	-.917
MAXIMUM Y	.750
MINIMUM Y	-1.159
CENTROID X	-.019
CENTROID Y	.080
POA TO CENTROID in.	.082
MIN RADIUS	.418
MEAN RADIUS	.818
MAX RADIUS	1.251
HORIZONTAL SPREAD	2.012
VERTICAL SPREAD	1.909
EXTREME SPREAD	2.101
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	10

5 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523315

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 8

3 in - 10

HS - 2.548

VS - 1.741

GS - 2.589

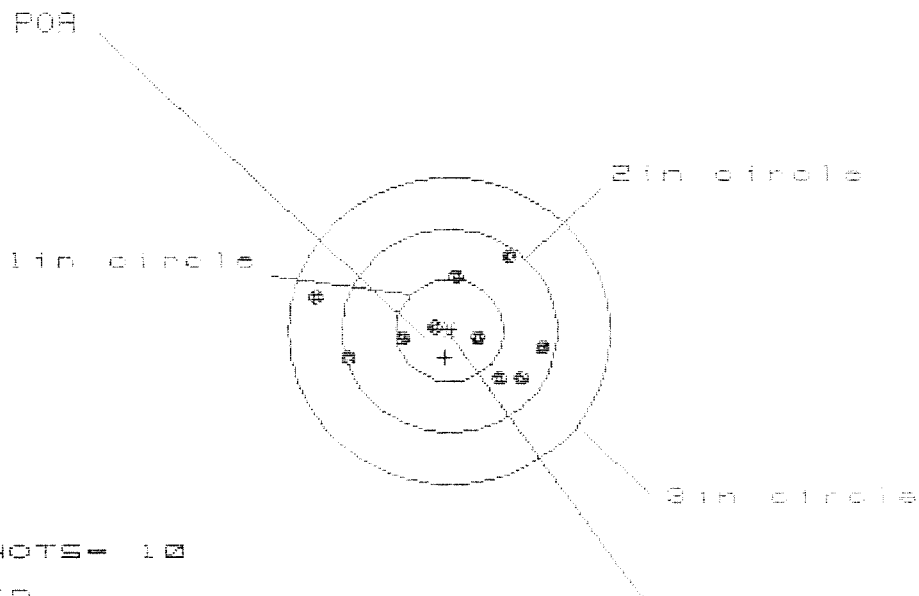
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.407	.732	.609
MINIMUM X	:	-1.140	-.984	-.683
MAXIMUM Y	:	.916	.886	.791
MINIMUM Y	:	-.825	-.855	-.950
CENTROID X	:	-.006	-.162	-.039
CENTROID Y	:	-.005	.025	.120
POA TO CENTROID in.	:	.008	.164	.126
MIN RADIUS	:	.452	.420	.323
MEAN RADIUS	:	.831	.744	.673
MAX RADIUS	:	1.434	1.244	1.101
HORIZONTAL SPREAD	:	2.548	1.716	1.292
VERTICAL SPREAD	:	1.741	1.741	1.741
EXTREME SPREAD	:	2.589	2.156	1.762
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08528315

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 3

2in = 9

3in = 10

HE = 2.094

VS = 1.219

GS = 2.140

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.876	.741	.689
MINIMUM X	-1.218	-1.053	-1.739
MAXIMUM Y	.734	.768	.740
MINIMUM Y	-.485	-.451	-.479
CENTROID X	.043	.178	.310
CENTROID Y	.265	.231	.259
POA TO CENTROID in.	.268	.292	.484
MIN RADIUS	.163	.151	.107
MEAN RADIUS	.689	.613	.546
MAX RADIUS	1.257	1.078	.788
HORIZONTAL SPREAD	2.094	1.794	1.348
VERTICAL SPREAD	1.219	1.219	1.219
EXTREME SPREAD	2.140	1.799	1.349
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	