

C6587722

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RE00092546

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587722.___0
FILE DATE AND TIME: 04/14/2005 07:02

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.006
The Average Y Centroid of the Five Target Set:	0.151
The Average Point of Impact of the Five Target Set:	0.151
The Average Mean Radius of the Five Target Set:	0.887
The Distance from POA to Centroid Target #1:	0.153
The Distance from Centroid Target #2 to Centroid Target #1:	0.254
The Distance from Centroid Target #3 to Centroid Target #1:	0.142
The Distance from Centroid Target #4 to Centroid Target #1:	0.239
The Distance from Centroid Target #5 to Centroid Target #1:	0.120

SERIAL NUMBER: C6587722. __0

TARGET NUMBER: 1

FILE DATE: 04/14/2005

FILE TIME: 07:02

X CENTROID: 0.123

Y CENTROID: 0.091

POA TO CENTROID: 0.153

HORZ SPREAD: 2.387

VERT SPREAD: 2.298

GROUP SPREAD: 2.782

MIN RADIUS: 0.355

MAX RADIUS: 1.632

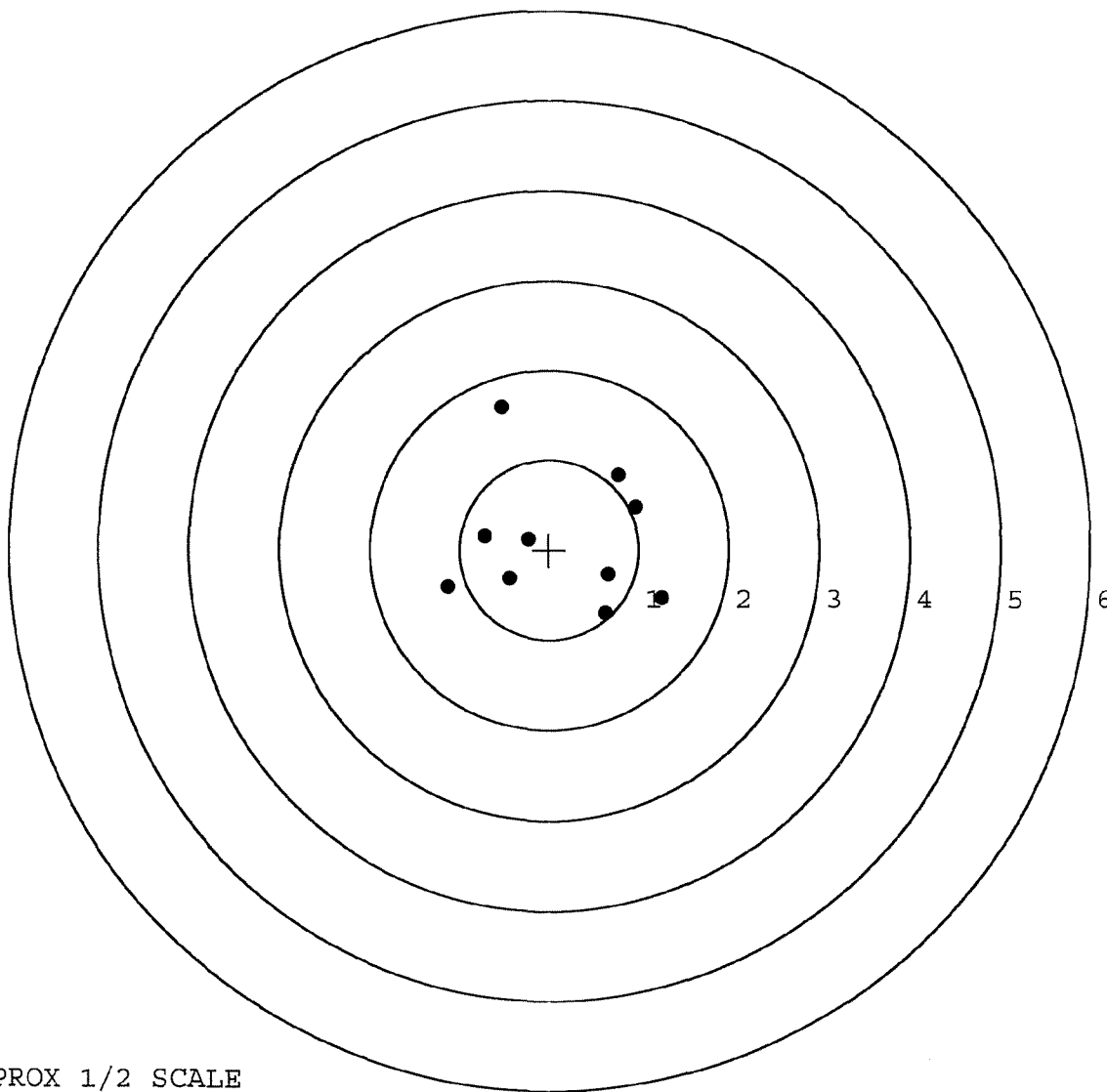
MEAN RADIUS: 0.969

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.258	-0.544
2:	0.627	-0.712
3:	0.663	-0.279
4:	0.964	0.476
5:	0.768	0.833
6:	-0.531	1.586
7:	-0.230	0.125
8:	-0.441	-0.322
9:	-0.715	0.160
10:	-1.129	-0.414



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587722. __0

TARGET NUMBER: 2

FILE DATE: 04/14/2005

FILE TIME: 07:02

X CENTROID: -0.131

Y CENTROID: 0.104

POA TO CENTROID: 0.167

HORZ SPREAD: 1.948

VERT SPREAD: 2.646

GROUP SPREAD: 2.697

MIN RADIUS: 0.275

MAX RADIUS: 1.542

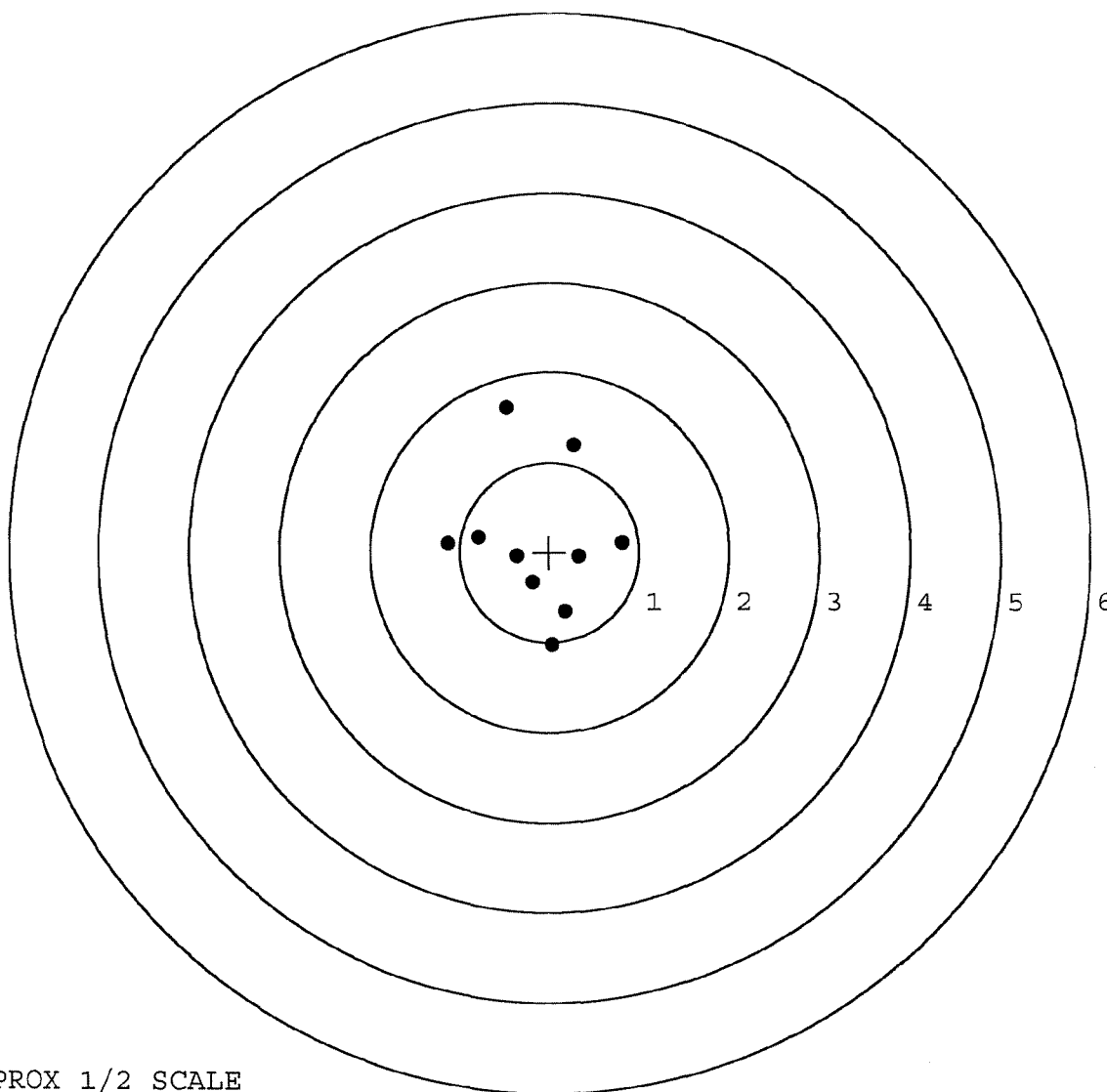
MEAN RADIUS: 0.851

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.040	-1.040
2:	0.177	-0.663
3:	0.331	-0.048
4:	0.818	0.109
5:	0.279	1.193
6:	-0.482	1.606
7:	-0.187	-0.335
8:	-0.361	-0.046
9:	-0.792	0.171
10:	-1.130	0.096



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587722. __0

TARGET NUMBER: 3

FILE DATE: 04/14/2005

FILE TIME: 07:02

POINT#	X	Y
1:	1.296	1.022
2:	0.250	0.625
3:	0.006	0.459
4:	0.016	0.233
5:	0.435	-0.274
6:	0.443	-0.640
7:	0.007	-0.553
8:	-0.935	-0.375
9:	-0.843	-0.060
10:	-0.850	0.293

X CENTROID: -0.017

Y CENTROID: 0.073

POA TO CENTROID: 0.075

HORZ SPREAD: 2.231

VERT SPREAD: 1.662

GROUP SPREAD: 2.632

MIN RADIUS: 0.163

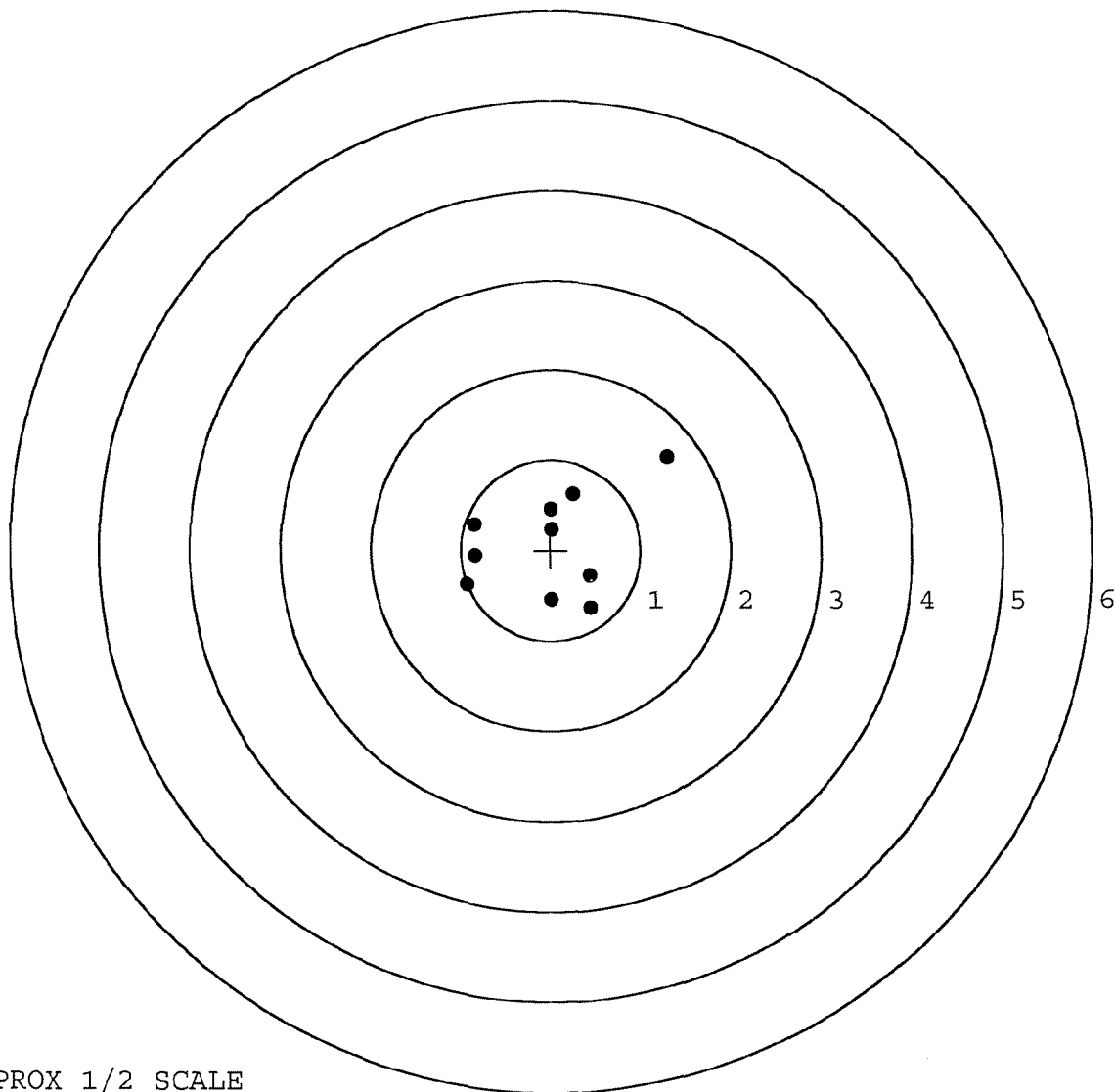
MAX RADIUS: 1.620

MEAN RADIUS: 0.755

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587722. 0

TARGET NUMBER: 4

FILE DATE: 04/14/2005

FILE TIME: 07:02

X CENTROID: -0.012

Y CENTROID: 0.288

POA TO CENTROID: 0.288

HORZ SPREAD: 2.985

VERT SPREAD: 3.250

GROUP SPREAD: 3.797

MIN RADIUS: 0.262

MAX RADIUS: 2.391

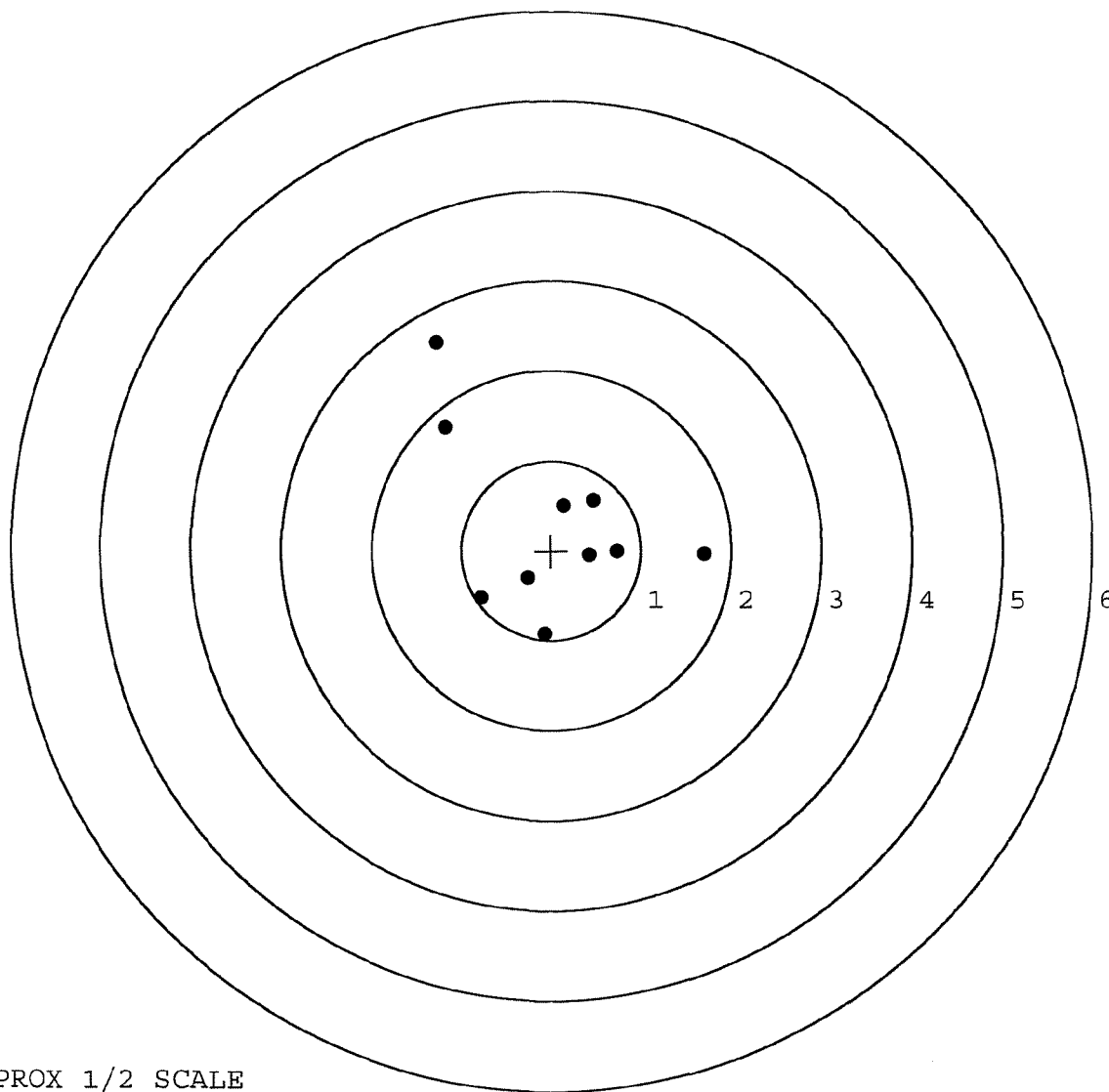
MEAN RADIUS: 1.090

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	1.701	-0.035
2:	0.736	-0.008
3:	0.431	-0.050
4:	0.467	0.566
5:	0.138	0.503
6:	-0.076	-0.938
7:	-0.261	-0.308
8:	-0.786	-0.529
9:	-1.184	1.368
10:	-1.284	2.312



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587722. __0

TARGET NUMBER: 5

FILE DATE: 04/14/2005

FILE TIME: 07:02

POINT#	X	Y
1:	0.663	-0.401
2:	0.746	0.109
3:	0.500	0.537
4:	0.557	0.631
5:	0.034	1.036
6:	-0.745	1.089
7:	-0.210	0.212
8:	-0.047	-0.168
9:	0.077	-1.063
10:	-0.900	-0.015

X CENTROID: 0.067

Y CENTROID: 0.197

POA TO CENTROID: 0.208

HORZ SPREAD: 1.646

VERT SPREAD: 2.152

GROUP SPREAD: 2.304

MIN RADIUS: 0.278

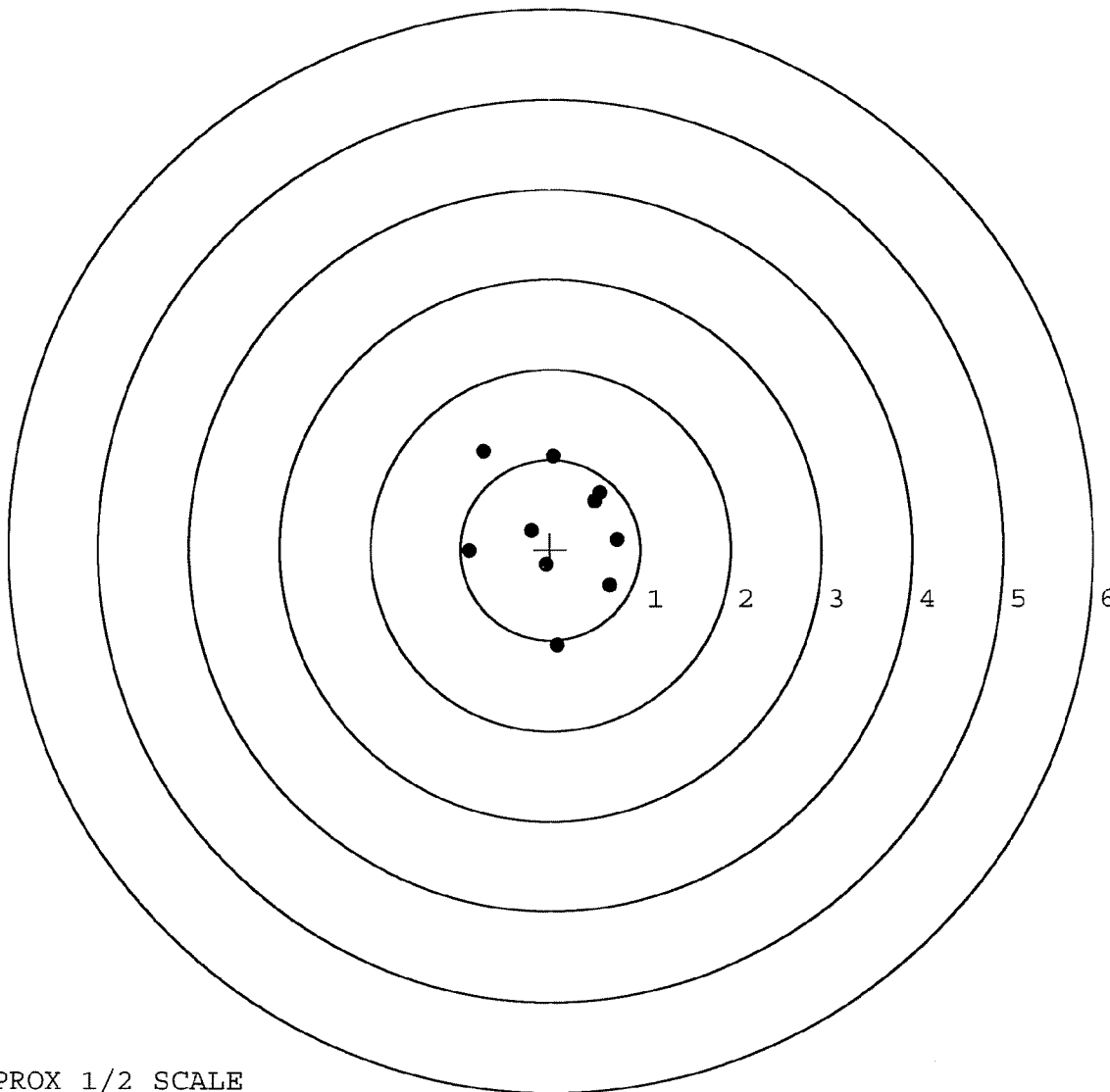
MAX RADIUS: 1.260

MEAN RADIUS: 0.769

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92546		
SERIAL NUMBER	C6587722		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-14-05	RTL
560 A	RE-BARREL	3-17-05	RTL
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTL
600	PROOF	3-21-05	A
605	CHECK HEADSPACE	3-21-05	A
610	DIS-ASSEMBLE GUN	3-21-05	RTL
612	MAGNAFLUX	3-21-05	
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3/29	
620	APPLY COATINGS	4/5	HP
625 A	FINAL ASSEMBLY	4-13-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	4-19-05	A
D	SAFETY "OFF" FORCE	4-19-05	A
E	FIRING PIN INDENT	4-19-05	A
640	TARGET	4-14-05	A
655	FINAL INSPECT	4-19-05	A
660	PACK	4-20-05	GA
		SHIP DATE	
QAR INSPECTION DATE			

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ M24

SERIAL NO.
C6587722

ORDER NO.
5716

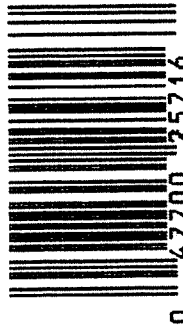
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5716 C6587722

UPC



0 47700 25716 7

OK

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587722

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	70 9	90	RW
600	Proof	70 9	90	RW
607	Check Headspace	70 9	90	RW
610	Dis-assemble Gun	70 9	90	RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GL
617	Drill and Tap Sight Holes		10/18/90	LB
618	Polish Barrel RB		10/18/90	WB
620	Apply Coatings (Barrel Action)		11-5-90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-30-90	EL

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	2.5 4	2.5 4	2.5 4	12/3/90 11/30/90	WS JH		
	G) Safety Off Force	2	2.0	2	12/7/90	WS		
	H) Trigger Pull Test & Retainability				11/30/90	JH		
	I) Firing Pin Indent	.021	.021	.021	11/30/90	JH		
	J) Assemble Stock				12/6/90	RW		
	K) Assemble Swivel Studs				12-7-90	JS		
	L) Attach Front and Rear Sight Assemblies				12/6/90	RW		
	M) Iron Sight Alignment				12/6/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				12/6/90	RW		
	O) Attach Scope to Rifle				12/6/90	RW		
	P) Detach & Attach Scope 20 Times				12/6/90	RW		
640	Gallery Target & Test				12-6-90	DH		
	A) Time				12-6-90	DH		
	B) Malfunctions				12-6-90	DH		
	C) Pierced Primers				12-6-90	DH		
	D) Optical Clarity of Scope				12-6-90	DH		
645	Inspect for Live Ammo				12-6-90	DH		
655	Final Inspection							
	A) Headspace				12-7-90	JS		
	B) Trigger Pull	236	241	255	238	249	12-7-90	JS
	C) Function						12-7-90	JS
660	Pack						12-8-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587722DATE 11-30-90TESTER Jff

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.25	2.21	2.23	2.36	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.30	2.31	2.41	
PULL #3	2.28	2.24	2.29	2.55	
PULL #4	2.30	2.26	2.25	2.38	
PULL #5	2.32	2.25	2.32	2.49	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.30		
PULL #2	3.37	3.31		
PULL #3	3.34	3.43		
PULL #4	3.27	3.32		
PULL #5	3.32	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.26		4.18
PULL #2	4.23	4.19		4.24
PULL #3	4.29	4.17		4.20
PULL #4	4.22	4.18		4.18
PULL #5	4.24	4.16		4.19
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587722
6 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.143405
1 TO	2	.0460435
1 TO	3	.378842
1 TO	4	.563841
1 TO	5	.158392

43+ <----FOR

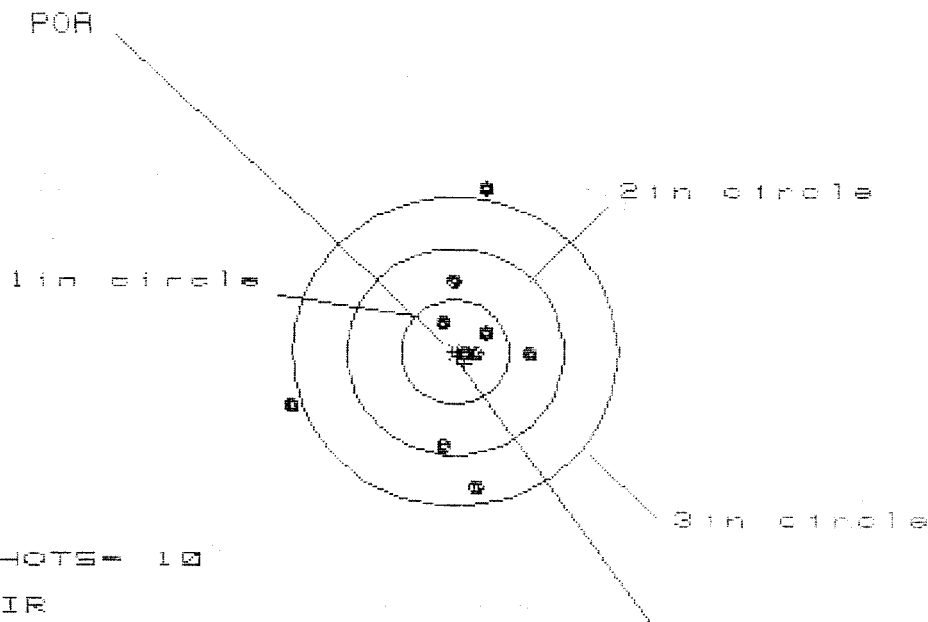
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2018
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0452
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .236166

THE AMR FOR THIS RIFLE IS: .92

6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587722

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 8

HS= 2.146

VS= 2.895

GS= 2.895

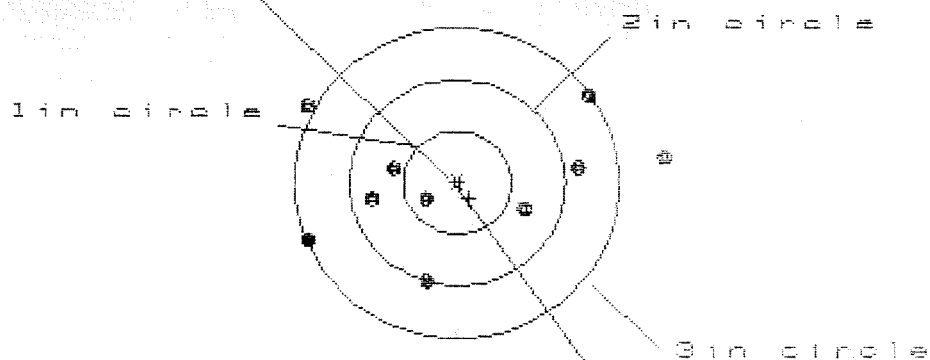
PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.662	.690	.508
MINIMUM X	-1.484	-1.456	-.301
MAXIMUM Y	1.581	.909	.863
MINIMUM Y	-1.314	-1.138	-1.184
CENTROID X	-.087	-.115	.067
CENTROID Y	.114	-.062	-.016
POA TO CENTROID in.	.144	.131	.069
MIN RADIUS	.129	.238	.073
MEAN RADIUS	.793	.733	.577
MAX RADIUS	1.601	1.501	1.106
HORIZONTAL SPREAD	2.146	2.146	.889
VERTICAL SPREAD	2.895	2.047	2.047
EXTREME SPREAD	2.895	2.218	2.062
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587722

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 3.318

VS= 1.754

GS= 3.412

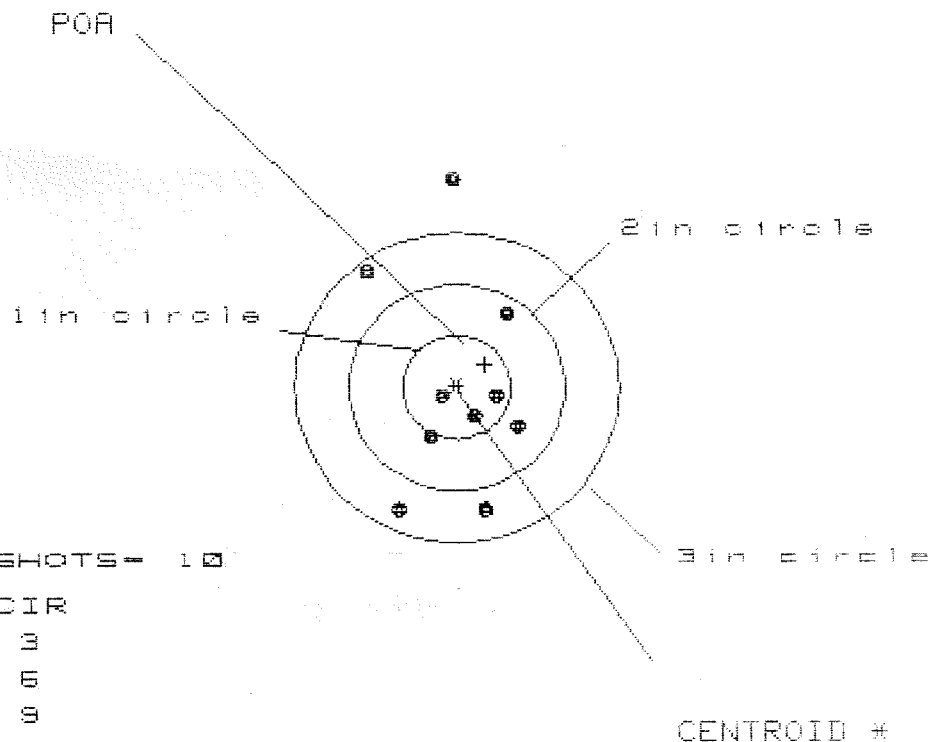
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.918	1.377	1.235
MINIMUM X	:	-1.400	-1.187	-1.329
MAXIMUM Y	:	.815	.840	.935
MINIMUM Y	:	-.939	-.914	-.819
CENTROID X	:	-.113	-.326	-.184
CENTROID Y	:	.152	.127	.032
POA TO CENTROID in.	:	.190	.350	.187
MIN RADIUS	:	.316	.138	.212
MEAN RADIUS	:	1.082	.940	.894
MAX RADIUS	:	1.932	1.613	1.549
HORIZONTAL SPREAD	:	3.318	2.564	2.564
VERTICAL SPREAD	:	1.754	1.754	1.754
EXTREME SPREAD	:	3.412	2.911	2.911
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587722

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 1.446

VS= 3.195

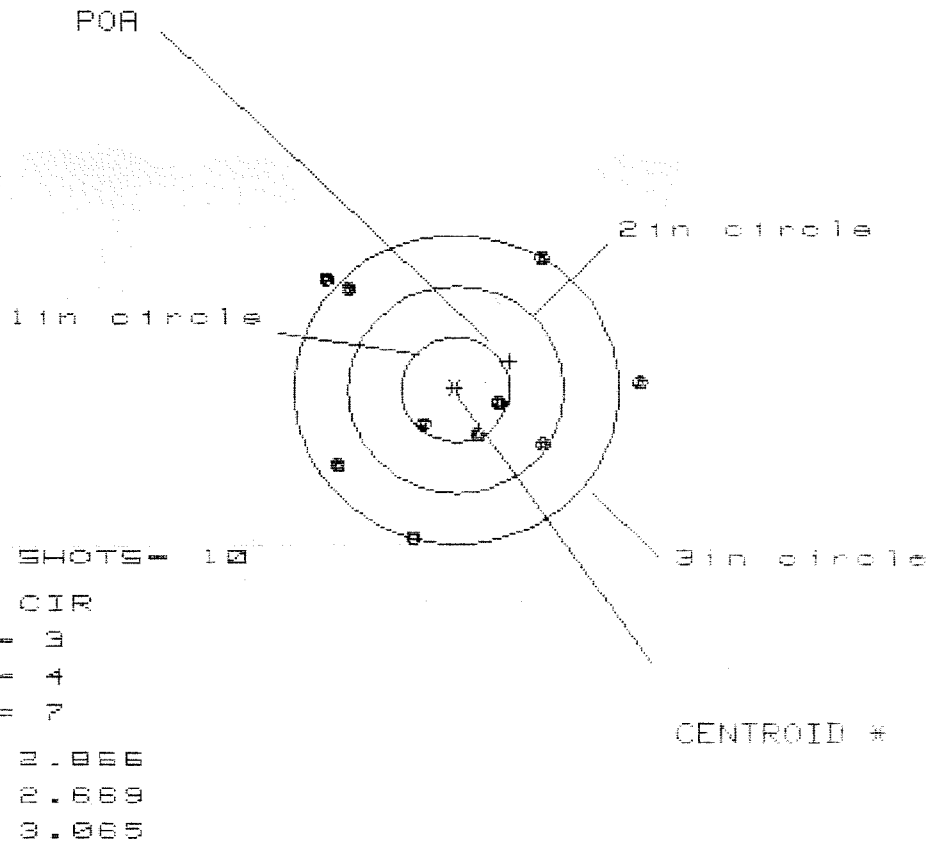
GS= 3.219

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.609
MINIMUM X	-.837
MAXIMUM Y	1.993
MINIMUM Y	-1.202
CENTROID X	-.262
CENTROID Y	-.443
POA TO CENTROID in.	.343
MIN RADIUS	.163
MEAN RADIUS	.892
MAX RADIUS	1.993
HORIZONTAL SPREAD	1.446
VERTICAL SPREAD	3.195
EXTREME SPREAD	3.219
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

6 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587722

CENTERFIRE PATTERNS # 4

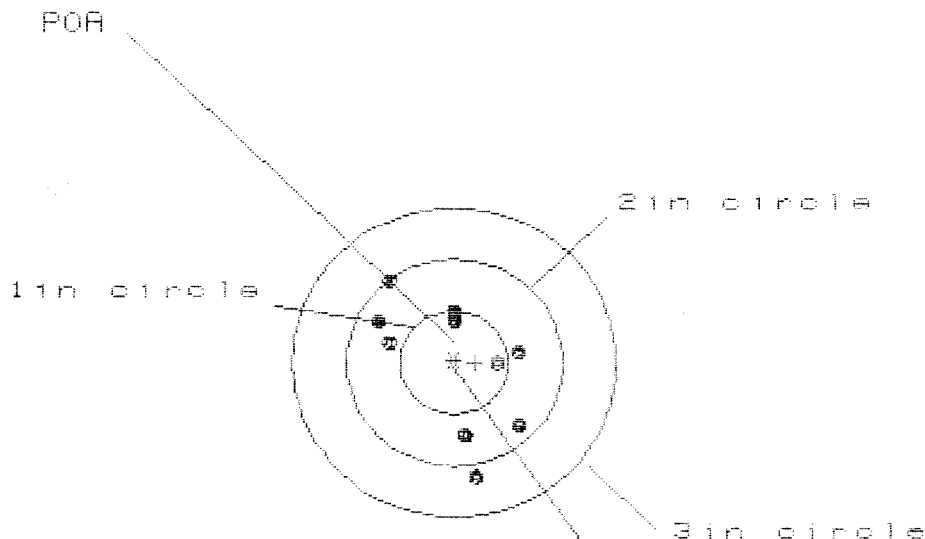


PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.684	1.029	.904
MINIMUM X	-1.182	-.994	-1.032
MAXIMUM Y	1.279	1.283	1.423
MINIMUM Y	-1.390	-1.386	-1.246
CENTROID X	-.498	-.686	-.561
CENTROID Y	-.272	-.276	-.416
POA TO CENTROID in.	.568	.739	.699
MIN RADIUS	.389	.287	.248
MEAN RADIUS	1.131	1.069	.967
MAX RADIUS	1.685	1.641	1.684
HORIZONTAL SPREAD	2.866	2.023	1.936
VERTICAL SPREAD	2.669	2.669	2.669
EXTREME SPREAD	3.065	2.953	2.953
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587722

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.334

VS= 1.943

GS= 2.111

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.636
MINIMUM X	-.698
MAXIMUM Y	.809
MINIMUM Y	-1.134
CENTROID X	-.199
CENTROID Y	.002
POA TO CENTROID in.	.199
MIN RADIUS	.356
MEAN RADIUS	.702
MAX RADIUS	1.150
HORIZONTAL SPREAD	1.334
VERTICAL SPREAD	1.943
EXTREME SPREAD	2.111
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	10