

C6587571

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587571.___0
FILE DATE AND TIME: 03/10/2005 08:02

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.107
The Average Y Centroid of the Five Target Set:	-0.070
The Average Point of Impact of the Five Target Set:	0.128
The Average Mean Radius of the Five Target Set:	0.978
The Distance from POA to Centroid Target #1:	0.510
The Distance from Centroid Target #2 to Centroid Target #1:	0.489
The Distance from Centroid Target #3 to Centroid Target #1:	0.634
The Distance from Centroid Target #4 to Centroid Target #1:	0.704
The Distance from Centroid Target #5 to Centroid Target #1:	0.365

SERIAL NUMBER: C6587571. 0

TARGET NUMBER: 1

FILE DATE: 03/10/2005

FILE TIME: 08:02

POINT#	X	Y
1:	2.062	-0.595
2:	1.627	-0.130
3:	1.576	0.863
4:	0.355	-1.098
5:	0.007	-0.974
6:	0.472	-0.213
7:	0.194	0.873
8:	0.378	1.422
9:	-0.556	0.764
10:	-1.072	-0.151

X CENTROID: 0.504

Y CENTROID: 0.076

POA TO CENTROID: 0.510

HORZ SPREAD: 3.134

VERT SPREAD: 2.520

GROUP SPREAD: 3.165

MIN RADIUS: 0.291

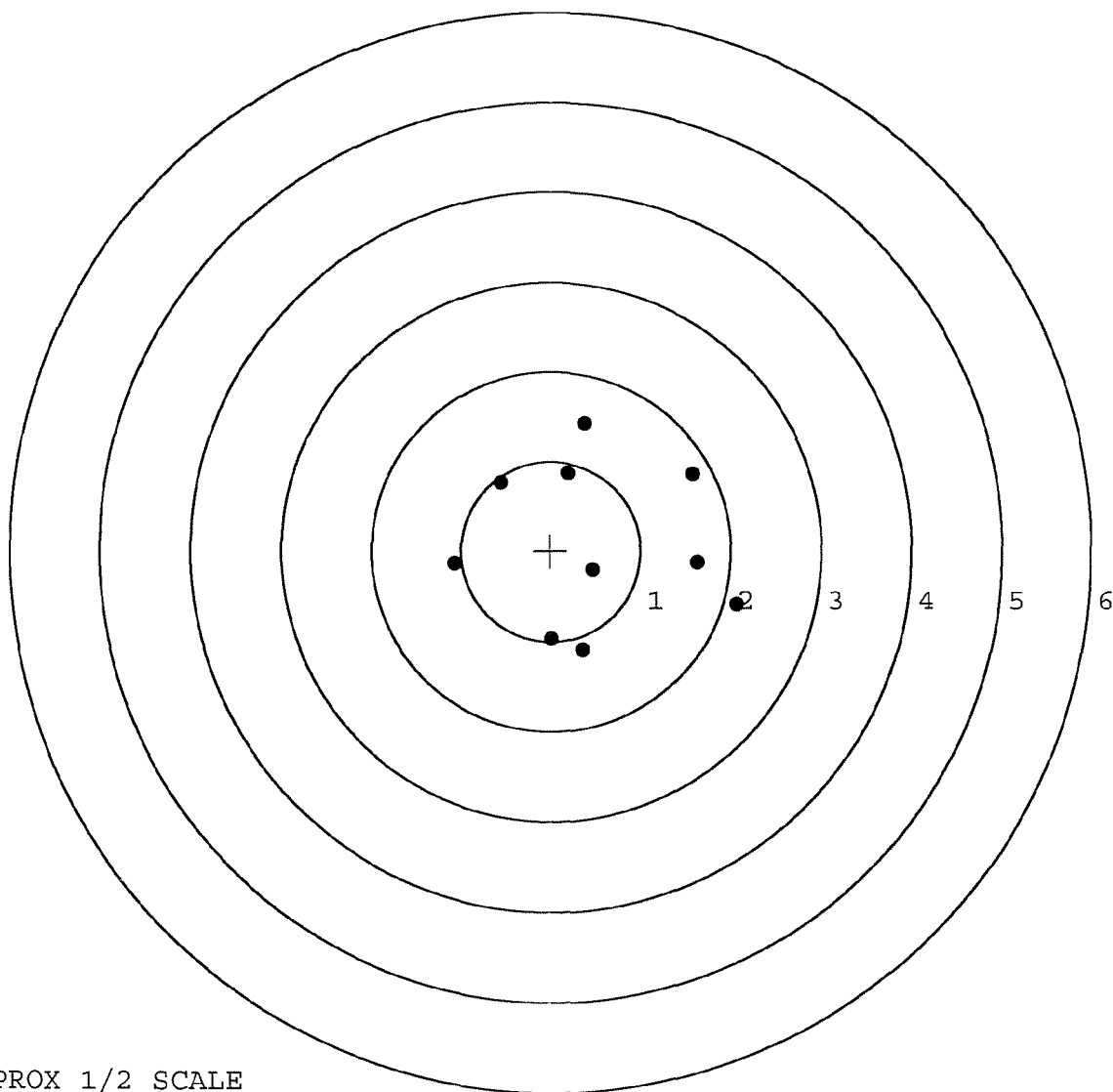
MAX RADIUS: 1.696

MEAN RADIUS: 1.187

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 2

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587571. 0

TARGET NUMBER: 2

FILE DATE: 03/10/2005

FILE TIME: 08:02

POINT#	X	Y
1:	1.372	0.302
2:	0.890	0.163
3:	0.147	-0.702
4:	-0.617	-0.455
5:	-0.542	-0.310
6:	-0.566	-0.155
7:	-0.494	0.606
8:	0.126	0.820
9:	0.192	2.200
10:	-0.341	-2.047

X CENTROID: 0.017

Y CENTROID: 0.042

POA TO CENTROID: 0.045

HORZ SPREAD: 1.989

VERT SPREAD: 4.247

GROUP SPREAD: 4.280

MIN RADIUS: 0.615

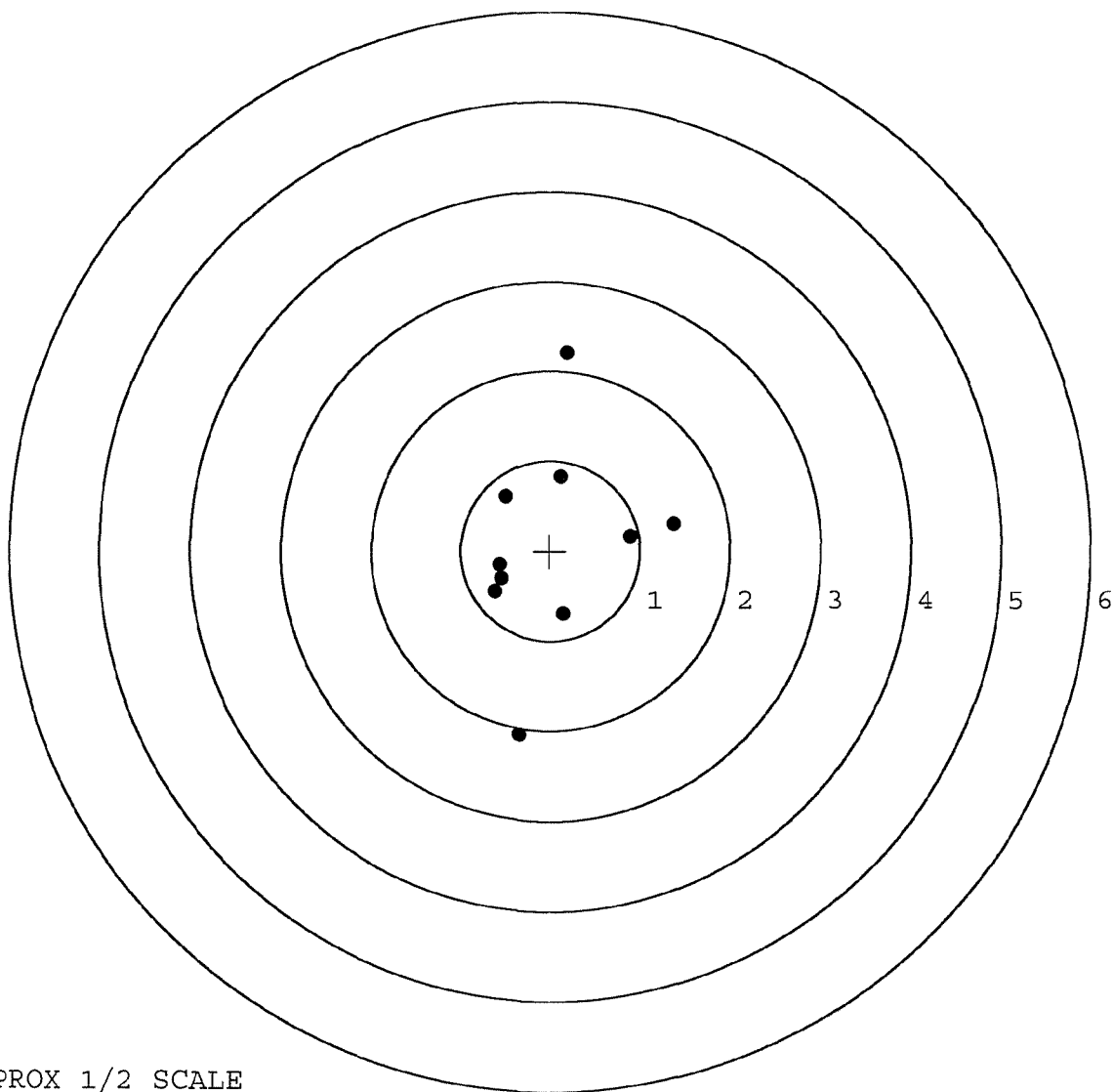
MAX RADIUS: 2.165

MEAN RADIUS: 1.093

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587571. __0

TARGET NUMBER: 3

FILE DATE: 03/10/2005

FILE TIME: 08:02

POINT#	X	Y
1:	0.679	-1.202
2:	0.792	0.103
3:	0.249	0.178
4:	0.603	1.005
5:	-0.429	0.229
6:	-0.439	-0.087
7:	-0.230	-0.504
8:	-0.619	-0.686
9:	-0.322	-1.177
10:	-1.039	0.333

X CENTROID: -0.075

Y CENTROID: -0.181

POA TO CENTROID: 0.196

HORZ SPREAD: 1.831

VERT SPREAD: 2.207

GROUP SPREAD: 2.370

MIN RADIUS: 0.358

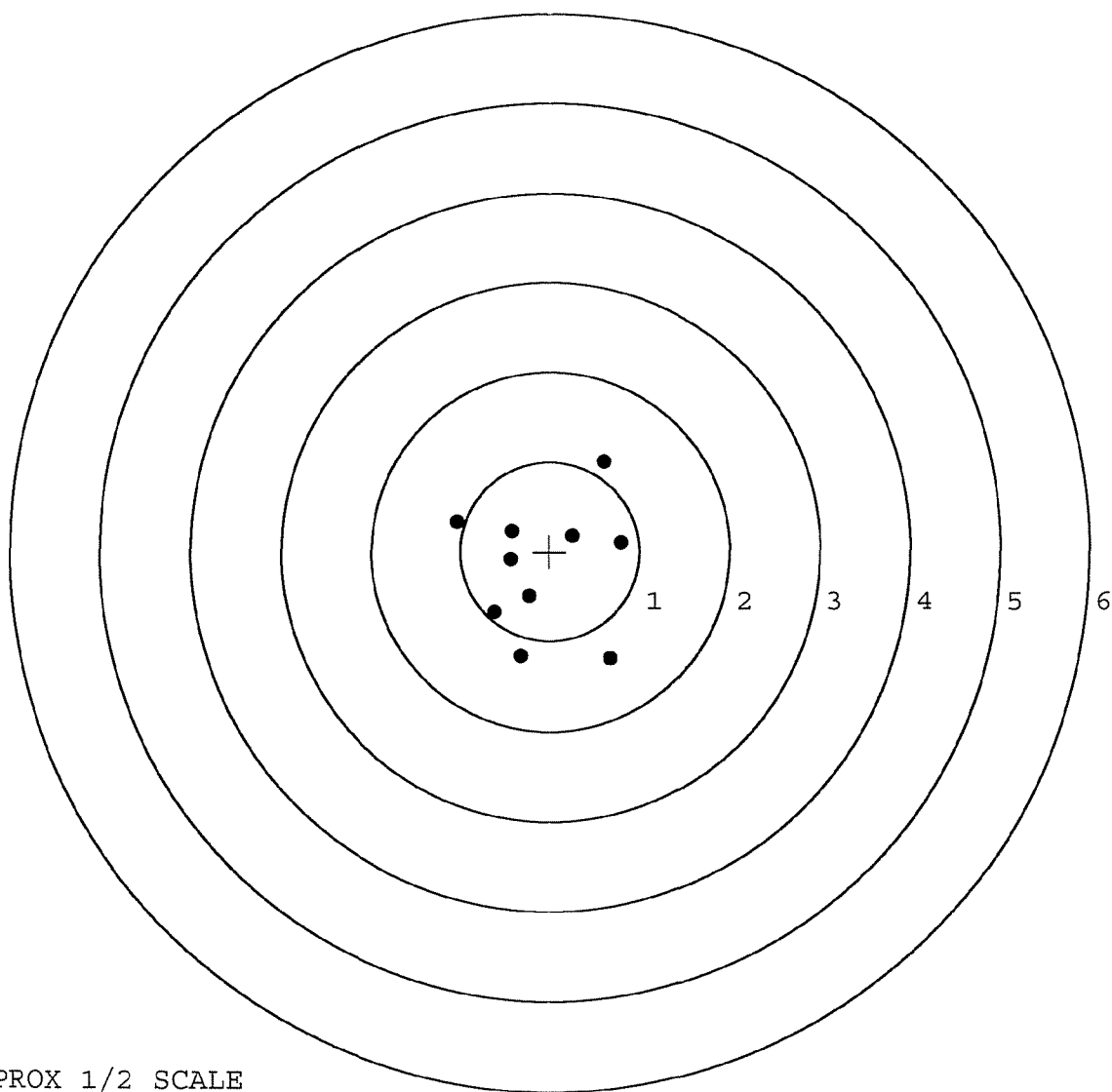
MAX RADIUS: 1.366

MEAN RADIUS: 0.817

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587571. __0

TARGET NUMBER: 4

FILE DATE: 03/10/2005

FILE TIME: 08:02

X CENTROID: -0.050

Y CENTROID: -0.358

POA TO CENTROID: 0.361

HORZ SPREAD: 1.250

VERT SPREAD: 2.713

GROUP SPREAD: 2.737

MIN RADIUS: 0.344

MAX RADIUS: 1.463

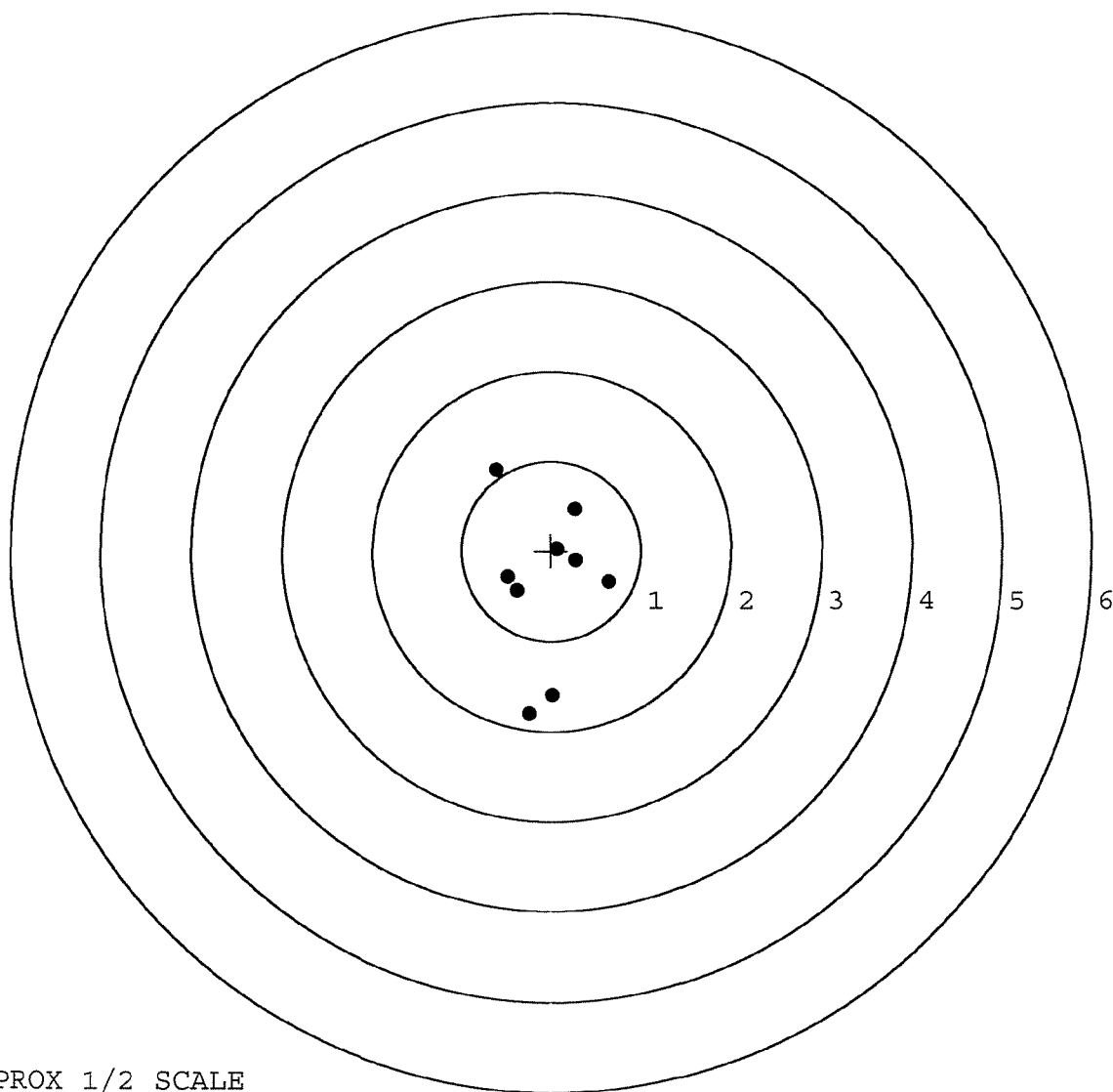
MEAN RADIUS: 0.805

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.643	-0.349
2:	0.280	-0.113
3:	0.067	0.019
4:	0.262	0.465
5:	-0.382	-0.448
6:	-0.483	-0.295
7:	0.019	-1.600
8:	-0.249	-1.807
9:	-0.607	0.906



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587571. __0

TARGET NUMBER: 5

FILE DATE: 03/10/2005

FILE TIME: 08:02

X CENTROID: 0.140

Y CENTROID: 0.071

POA TO CENTROID: 0.157

HORZ SPREAD: 2.277

VERT SPREAD: 2.926

GROUP SPREAD: 3.408

MIN RADIUS: 0.359

MAX RADIUS: 1.950

MEAN RADIUS: 0.988

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

POINT#	X	Y
--------	---	---

1:	1.629	-0.681
----	-------	--------

2:	0.745	-0.836
----	-------	--------

3:	0.536	-0.083
----	-------	--------

4:	0.157	-0.288
----	-------	--------

5:	-0.082	-1.071
----	--------	--------

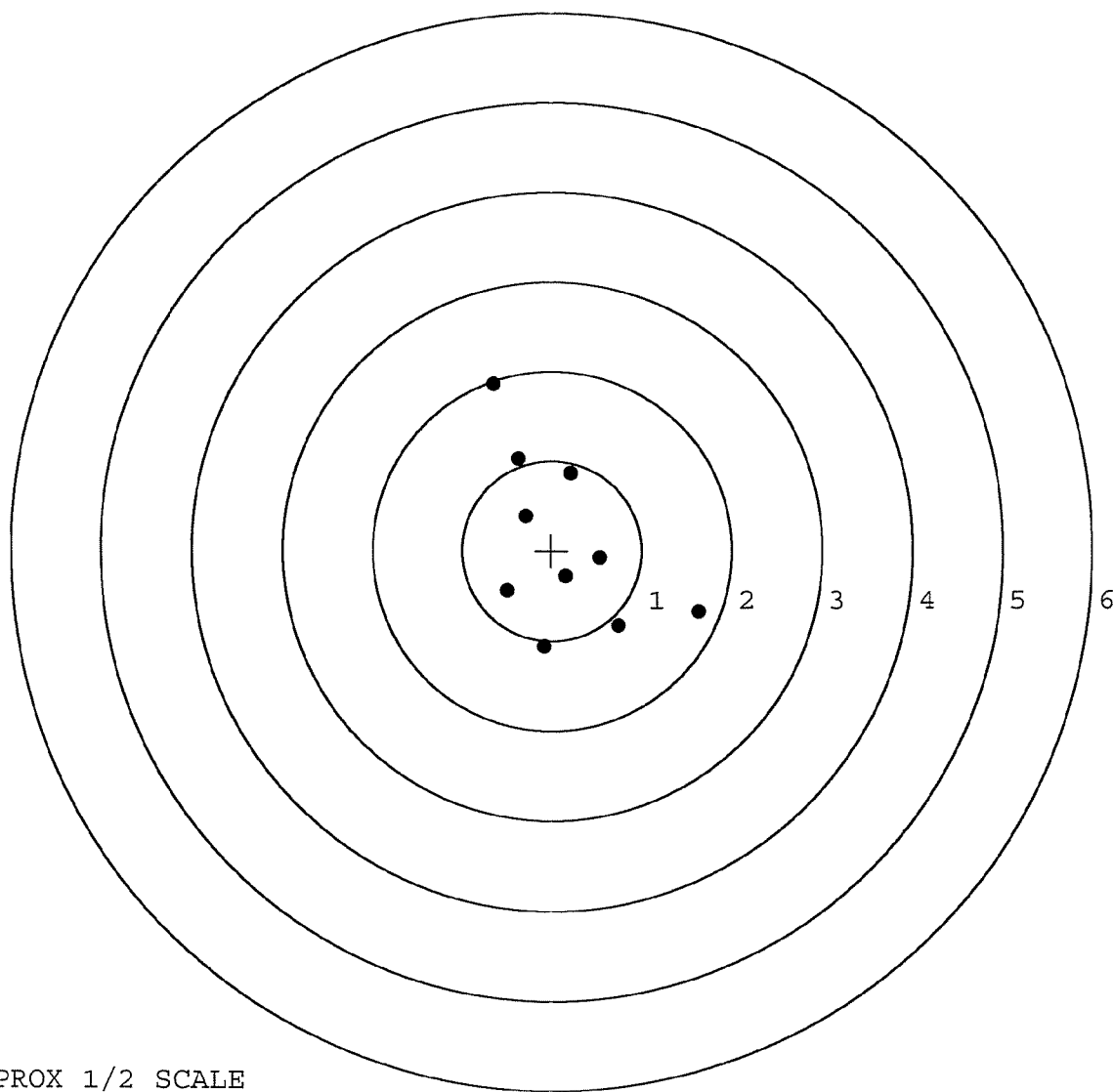
6:	-0.499	-0.449
----	--------	--------

7:	-0.289	0.380
----	--------	-------

8:	0.218	0.862
----	-------	-------

9:	-0.371	1.021
----	--------	-------

10:	-0.648	1.855
-----	--------	-------



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE

2-14-05

TESTER

TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.52	2.67		2.17	
PULL #2	2.44	2.56		2.23	
PULL #3	2.53	2.49		2.19	
PULL #4	2.58	2.37		2.21	
PULL #5	2.41	2.29		2.19	
TOTAL	12.48	12.38		10.99	
AVERAGE	2.49	2.47		2.19	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.38		
PULL #2	3.14	3.26		
PULL #3	3.48	3.24		
PULL #4	3.57	3.25		
PULL #5	3.39	3.13		
TOTAL	17.00	16.26		
AVERAGE	3.40	3.25		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.27	4.33		4.28
PULL #2	4.35	4.04		4.24
PULL #3	4.27	4.12		4.23
PULL #4	4.29	4.07		4.28
PULL #5	4.32	4.06		4.28
TOTAL	21.50	20.62		21.31
AVERAGE	4.30	4.12		4.26

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

R & E NUMBER	92685		
SERIAL NUMBER	06587571		
LOG-IN DATE	2-8-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-14-05	RTL
560 A	RE-BARREL	2-16-05	RTL
B	DRILL AND TAP	2-17-05	TRW
575	ASSEMBLE	2-16-05	RTL
600	PROOF	2-17-05	MAGNA-FLUX INSPECTED
605	CHECK HEADSPACE	2-17-05	AC
610	DIS-ASSEMBLE GUN	2-17-05	RTL
612	MAGNAFLUX		OPERATOR
615	ROLLMARK CALIBER	2-18-05	CW
618	ROTO-BLAST	2-18-05	LB
620	APPLY COATINGS	3-1-05	HP
625 A	FINAL ASSEMBLY	3-9-05	RTL
B	TRIGGER PULL TEST	3-10-05	TRW
C	SAFETY "ON" FORCE	3-10-05	AC
D	SAFETY "OFF" FORCE	3-10-05	AC
E	FIRING PIN INDENT	3-10-05	AC
640	TARGET	3-10-05	AC
655	FINAL INSPECT	3-10-05	AC
660	PACK	3-14-05	BT
		SHIP DATE	
QAR INSPECTION DATE			

Remington
REG. U.S. PAT. & TM. OFF.

DUPONT

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

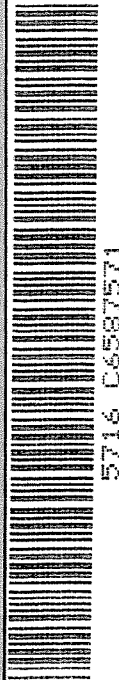
MODEL 700TM H24

SERIAL NO.
C6587571

ORDER NO.
5716

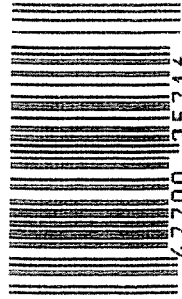
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6587571

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587571

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/19/90	KA
600	Proof		10/19/90	KA
607	Check Headspace		10/19/90	KA
610	Dis-assemble Gun		10/19/90	KA
612	Magnaflux Barrel Action		10/22/90	KR
	Magnaflux Bolt		10/22/90	KR
615	Rollmark Caliber		10/22/90	JS
617	Drill and Tap Sight Holes		10/23/90	KB
618	Polish Barrel <i>KB</i>		10/24/90	KB
620	Apply Coatings (Barrel Action)		11-6-90	KA
	Apply Coating (Bolt)		11-6-90	KA
625	Final Assembly A) Clean inside of Bolt Assembly		11-6-90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-6-90	KS
	C) Inspect Ejector Hole for Chamfer		11-6-90	KS
	D) Oil Firing Pin Ass'y		11-6-90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11/12/90	KS

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4.0	4.0	4.25	11-7-90	KS		
	G) Safety Off Force	2 1/2	2. 1/2	2. 1/2	11-7-90	KS		
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.022	.022	.022	11-7-90	KS		
	J) Assemble Stock				11/2/90	KS		
	K) Assemble Swivel Studs				11/19/90	928		
	L) Attach Front and Rear Sight Assemblies				11/2/90	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				11-14-90	DH		
	A) Time				11-14-90	DH		
	B) Malfunctions				11-14-90	DH		
	C) Pierced Primers				11-14-90	DH		
	D) Optical Clarity of Scope				11-14-90	DH		
645	Inspect for Live Ammo				11-14-90	DH		
655	Final Inspection							
	A) Headspace				11/19/90	928		
	B) Trigger Pull	255	269	272	263	266	11/19/90	928
	C) Function						11/19/90	928
660	Pack						12-17-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06587571

DATE 12/08/90

TESTER ES

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	238	212	258	255	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	221	207	245	269	
PULL #3	233	258	244	272	
PULL #4	236	254	240	263	
PULL #5	233	246	238	266	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	346	327		
PULL #2	339	328		
PULL #3	338	328		
PULL #4	332	325		
PULL #5	323	320		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	406	400		394
PULL #2	401	401		382
PULL #3	401	398		389
PULL #4	398	394		390
PULL #5	391	394		384
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587571
14 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.0834865
1 TO	2	.318989
1 TO	3	.387857
1 TO	4	.15316
1 TO	5	.63764

*
5 <----FOR

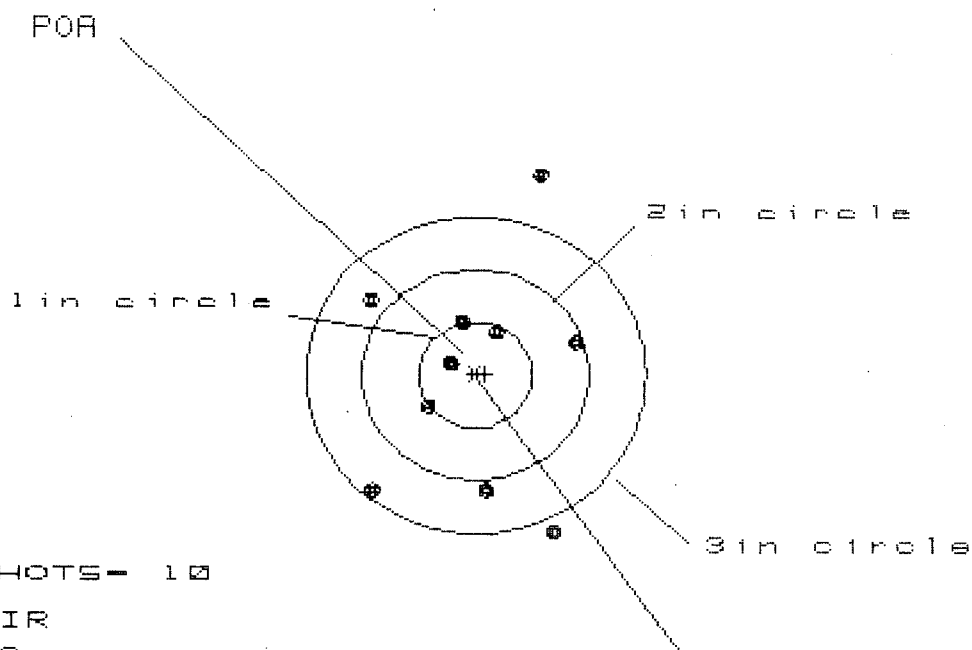
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0712
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.226
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .23695
THE AMR FOR THIS RIFLE IS: 1.038

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587571

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 1.851

VS= 3.438

GS= 3.438

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.923	.992	1.083
MINIMUM X	:	-.928	-.859	-.768
MAXIMUM Y	:	1.946	.913	.753
MINIMUM Y	:	-1.492	-1.276	-1.039
CENTROID X	:	-.083	-.152	-.242
CENTROID Y	:	-.009	-.225	-.065
POA TO CENTROID in.	:	.083	.272	.251
MIN RADIUS	:	.250	.311	.199
MEAN RADIUS	:	.991	.881	.766
MAX RADIUS	:	2.043	1.466	1.219
HORIZONTAL SPREAD	:	1.851	1.851	1.851
VERTICAL SPREAD	:	3.438	2.189	1.792
EXTREME SPREAD	:	3.438	2.700	2.222
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

14 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587571

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in - 0

2 in - 5

3 in - 7

HS- 2.717

VS- 1.808

GS- 3.072

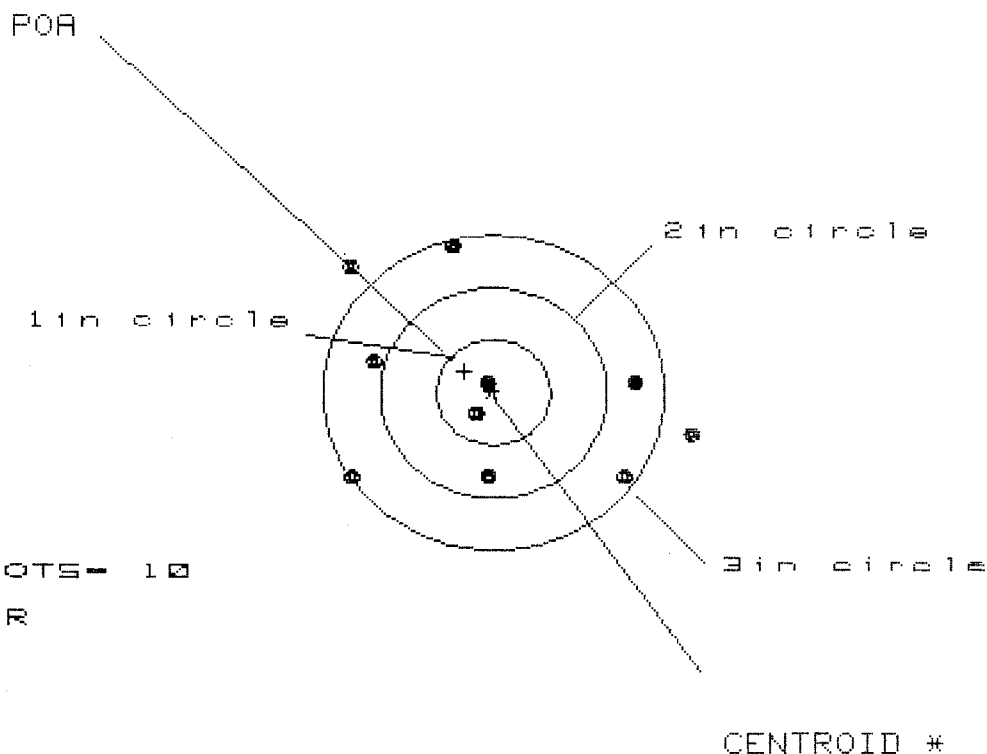
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.502	1.379	1.539
MINIMUM X	:	-1.215	-1.338	-1.178
MAXIMUM Y	:	1.094	1.006	.938
MINIMUM Y	:	-.714	-.593	-.661
CENTROID X	:	.082	.205	.045
CENTROID Y	:	-.282	-.403	-.335
POA TO CENTROID in.	:	.294	.453	.338
MIN RADIUS	:	.512	.536	.576
MEAN RADIUS	:	1.085	1.021	.969
MAX RADIUS	:	1.558	1.395	1.542
HORIZONTAL SPREAD	:	2.717	2.717	2.717
VERTICAL SPREAD	:	1.808	1.599	1.599
EXTREME SPREAD	:	3.072	2.784	2.750
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

14 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587571

CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 3.009

VS= 2.207

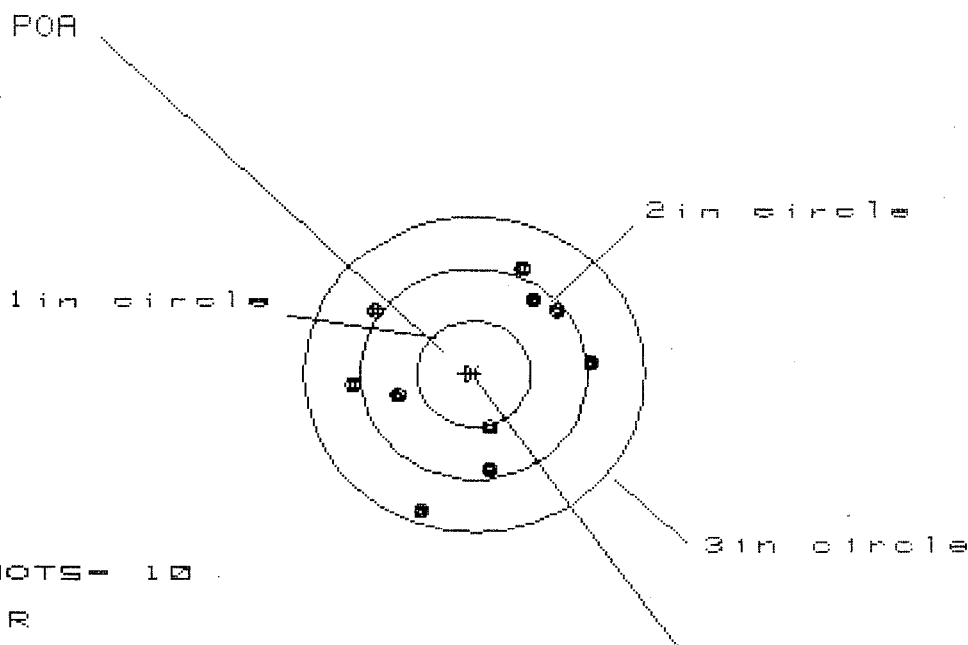
GS= 3.354

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.759	1.404	1.276
MINIMUM X	-1.250	-1.055	-1.183
MAXIMUM Y	1.359	1.318	1.459
MINIMUM Y	-.848	-.889	-.748
CENTROID X	.254	.059	.187
CENTROID Y	-.201	-.160	-.301
POA TO CENTROID in.	.324	.170	.354
MIN RADIUS	.144	.123	.108
MEAN RADIUS	1.132	1.041	.963
MAX RADIUS	1.796	1.596	1.484
HORIZONTAL SPREAD	3.009	2.459	2.459
VERTICAL SPREAD	2.207	2.207	2.207
EXTREME SPREAD	3.354	3.096	2.652
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

14 Nov 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587571

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in - 0

2in - 5

3in = 10

HS- 2.112

VS= 2.264

GS= 2.441

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.037	.987	.846
MINIMUM X	:	-1.075	-1.125	-1.058
MAXIMUM Y	:	.961	.816	.784
MINIMUM Y	:	-1.303	-1.073	-1.105
CENTROID X	:	.070	.120	.261
CENTROID Y	:	-.002	.143	.175
POA TO CENTROID in.	:	.070	.186	.314
MIN RADIUS	:	.501	.627	.625
MEAN RADIUS	:	.964	.909	.859
MAX RADIUS	:	1.378	1.154	1.155
HORIZONTAL SPREAD	:	2.112	2.112	1.904
VERTICAL SPREAD	:	2.264	1.889	1.889
EXTREME SPREAD	:	2.441	2.122	1.980
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587571

CENTERFIRE PATTERNS

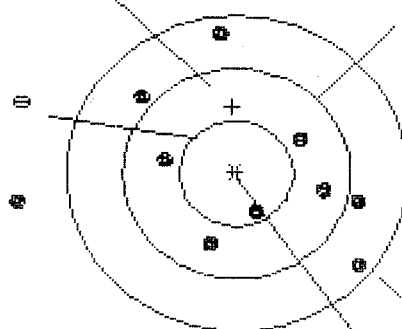
5

POA

1 in circle

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 3.060

VS= 2.129

GS= 3.102

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.112	.896	.973
MINIMUM X	-1.948	-1.006	-.894
MAXIMUM Y	1.313	1.279	1.173
MINIMUM Y	-.816	-.850	-.847
CENTROID X	.033	.249	.137
CENTROID Y	-.636	-.602	-.496
POA TO CENTROID in.	.637	.652	.514
MIN RADIUS	.455	.436	.528
MEAN RADIUS	1.020	.881	.848
MAX RADIUS	1.972	1.318	1.191
HORIZONTAL SPREAD	3.060	1.902	1.867
VERTICAL SPREAD	2.129	2.129	2.020
EXTREME SPREAD	3.102	2.474	2.117
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		