

C6587663

MODEL 700™ N24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: RE00127454

Serial: C6587663 Model M24 SWS Center Fire
Caliber: 308 WIN

Repairman:

Status: Closed 3/30/2007 9:50:03 AM

Verify Repair

Address Information

Customer: Received From Return To: Received From
Name: CO C1ST / 20TH S.F.G. CO C1ST / 20TH S.F.G.
Address 1: MASSACHUSETTS ARMY NATIONAL GUARD MASSACHUSETTS ARMY NATIONAL GUARD
Address 2: 1505 ROOSEVELT AVENUE PO Box: 1505 ROOSEVELT AVENUE PO Box:
City: SPRINGFIELD SPRINGFIELD
State: MA Zip Code: 01109-2438 Country: US State: MA Zip Code: 01109-2438 Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qt
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
B000	FRONT/REAR BASE	1
R001	DFPI OLYMENT KIT	1

Repair Search

Refresh

Close

naglet

3/30/2007

11:12 AM

CAPS

NUM

INS

SCRL



11:12 AM

Serial Number: C6587663

Model: M24 SWS



RE00127454

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587663.__0
FILE DATE AND TIME: 05/09/2007 01:17

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.161
The Average Y Centroid of the Five Target Set:	-0.199
The Average Point of Impact of the Five Target Set:	0.256
The Average Mean Radius of the Five Target Set:	0.957
The Distance from POA to Centroid Target #1:	0.159
The Distance from Centroid Target #2 to Centroid Target #1:	0.263
The Distance from Centroid Target #3 to Centroid Target #1:	0.365
The Distance from Centroid Target #4 to Centroid Target #1:	0.743
The Distance from Centroid Target #5 to Centroid Target #1:	0.117

SERIAL NUMBER: C6587663.___0

TARGET NUMBER: 1

FILE DATE: 05/09/2007

FILE TIME: 01:17

X CENTROID: 0.150

Y CENTROID: 0.052

POA TO CENTROID: 0.159

HORZ SPREAD: 1.846

VERT SPREAD: 3.411

GROUP SPREAD: 3.449

MIN RADIUS: 0.318

MAX RADIUS: 1.935

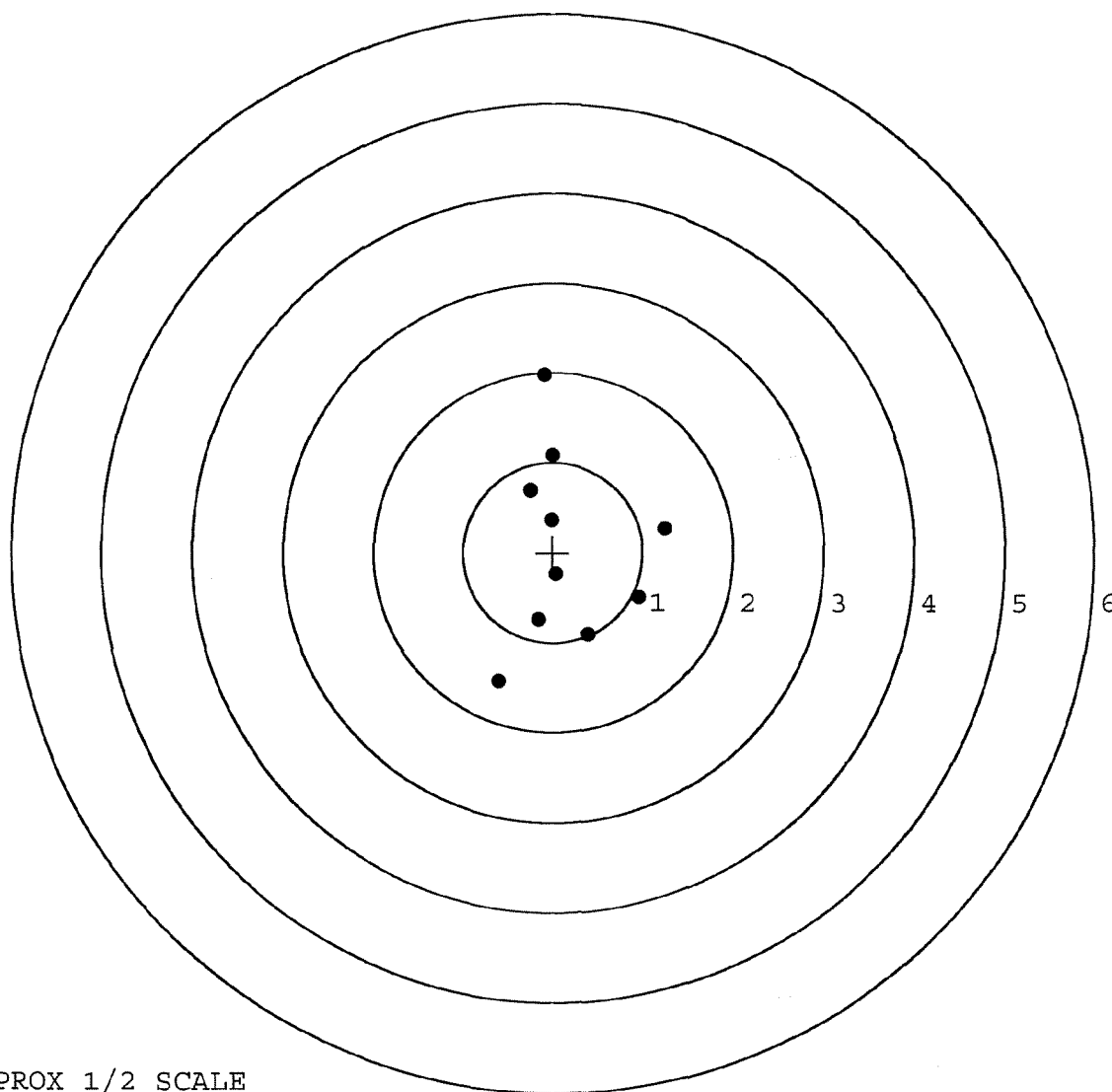
MEAN RADIUS: 1.001

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.006	1.078
2:	-0.249	0.687
3:	-0.015	0.364
4:	0.036	-0.245
5:	-0.165	-0.753
6:	0.395	-0.912
7:	0.954	-0.496
8:	1.242	0.267
9:	-0.604	-1.440
10:	-0.095	1.971

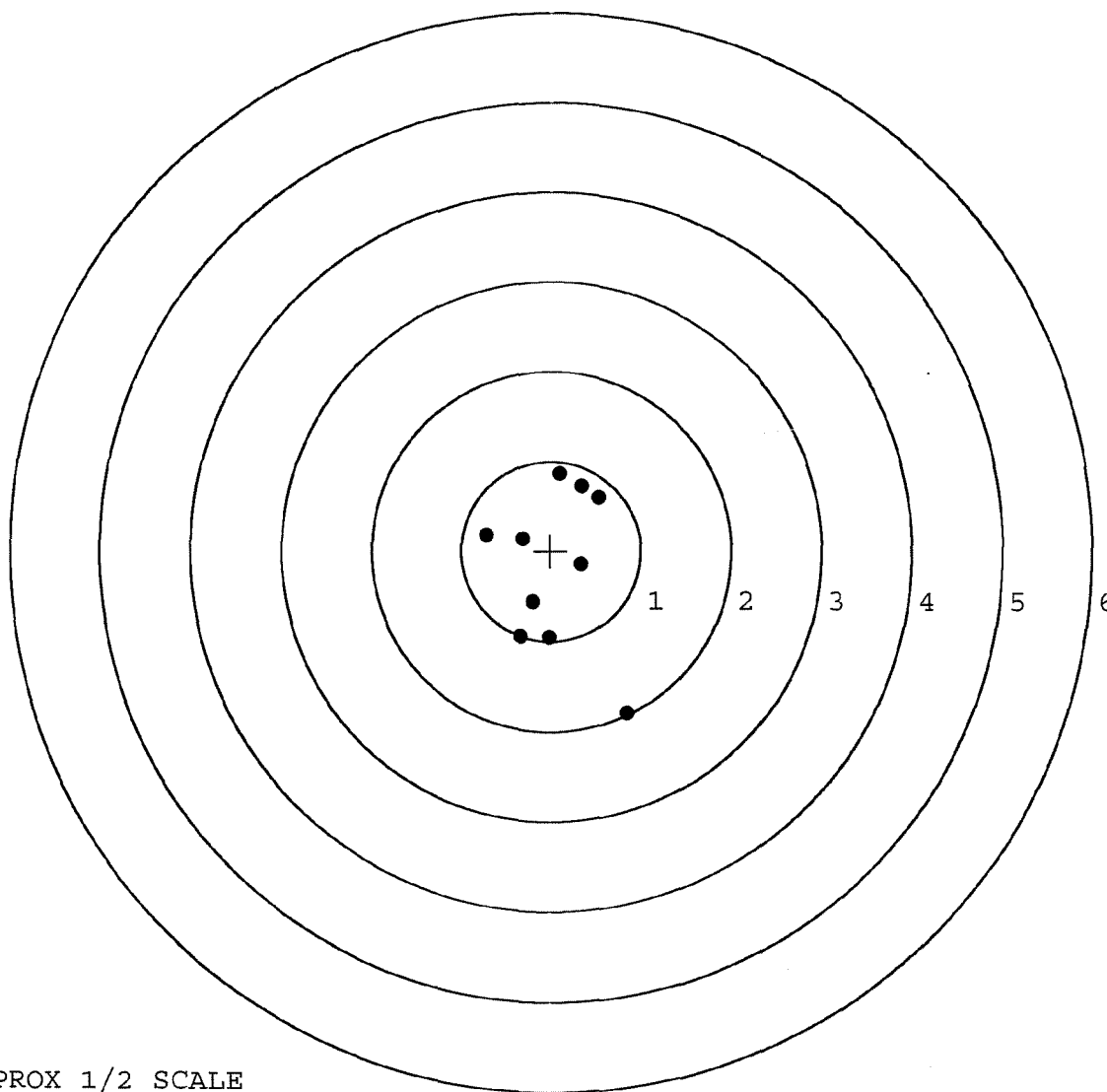


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587663. 0
TARGET NUMBER: 2
FILE DATE: 05/09/2007
FILE TIME: 01:17

X CENTROID: 0.059
Y CENTROID: -0.195
POA TO CENTROID: 0.203
HORZ SPREAD: 1.576
VERT SPREAD: 2.664
GROUP SPREAD: 2.768
MIN RADIUS: 0.289
MAX RADIUS: 1.791
MEAN RADIUS: 0.849
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.105	0.865
2:	0.347	0.726
3:	0.539	0.597
4:	-0.721	0.175
5:	-0.319	0.136
6:	0.345	-0.155
7:	-0.206	-0.573
8:	-0.339	-0.953
9:	-0.020	-0.966
10:	0.855	-1.799

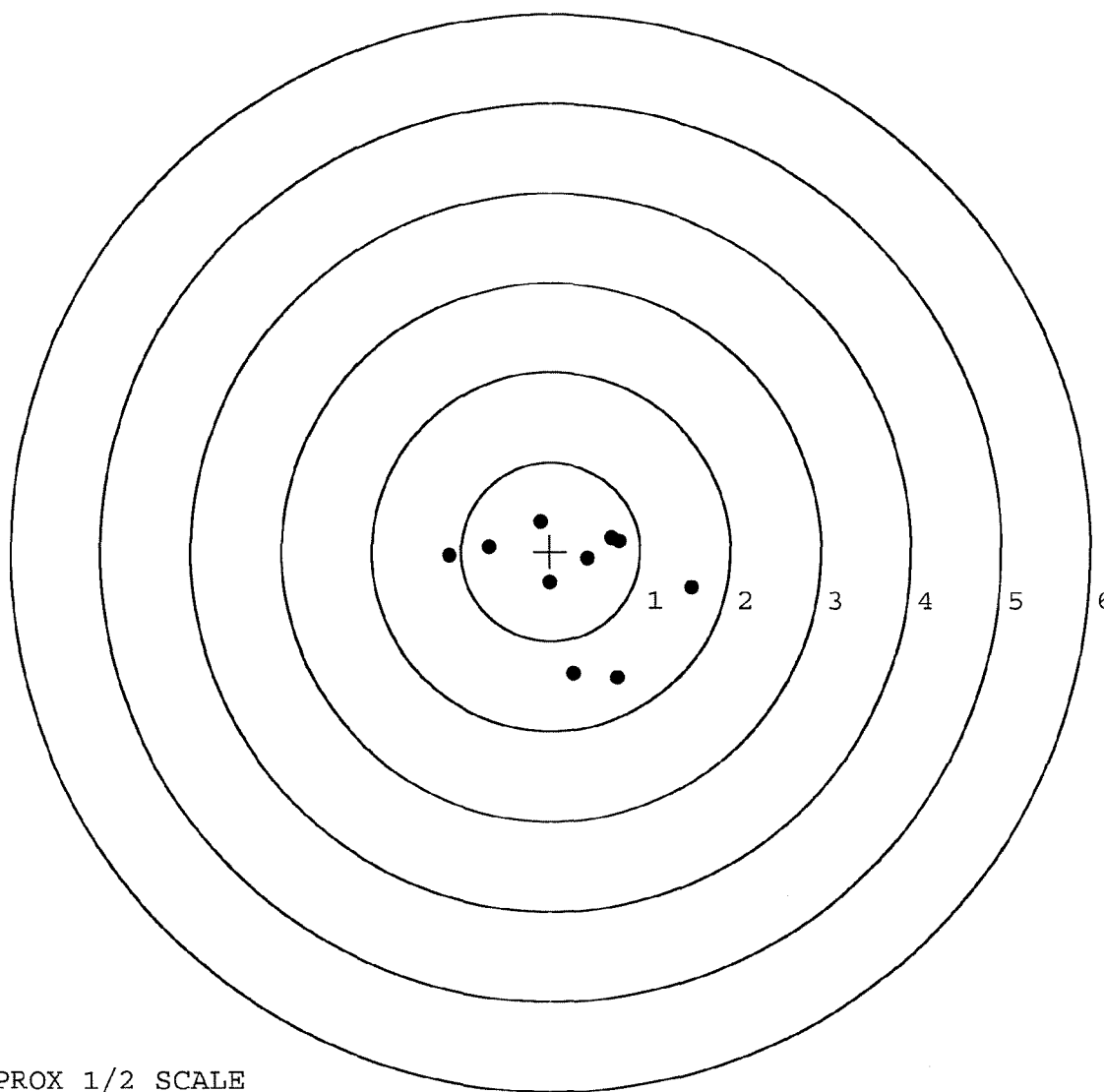


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587663. 0
TARGET NUMBER: 3
FILE DATE: 05/09/2007
FILE TIME: 01:17

X CENTROID: 0.249
Y CENTROID: -0.300
POA TO CENTROID: 0.390
HORZ SPREAD: 2.703
VERT SPREAD: 1.748
GROUP SPREAD: 2.726
MIN RADIUS: 0.261
MAX RADIUS: 1.405
MEAN RADIUS: 0.857
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.133	-0.050
2:	-0.686	0.059
3:	-0.114	0.331
4:	-0.007	-0.348
5:	0.415	-0.074
6:	0.676	0.157
7:	1.570	-0.403
8:	0.750	-1.417
9:	0.262	-1.365
10:	0.761	0.115

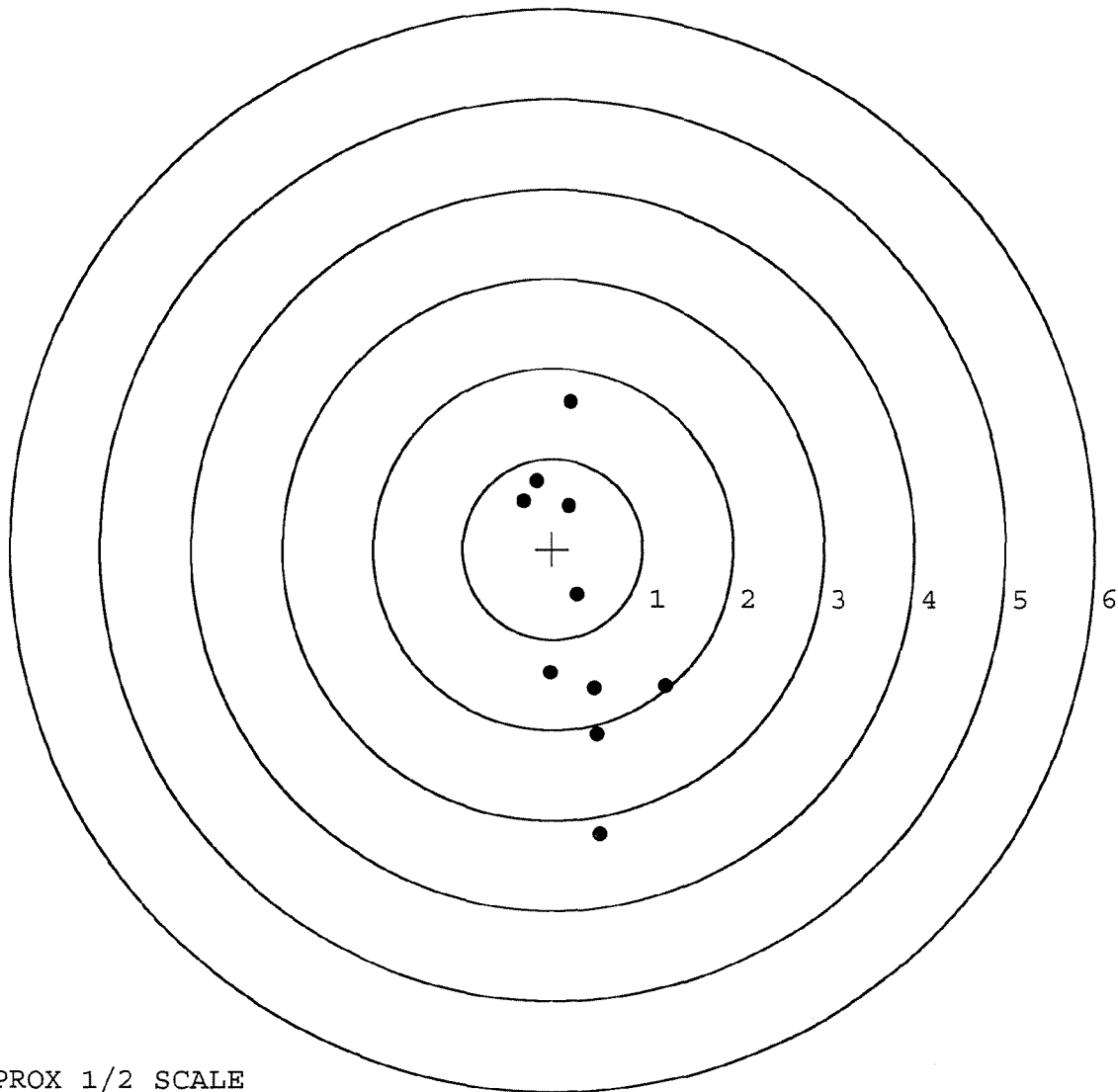


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587663. 0
TARGET NUMBER: 4
FILE DATE: 05/09/2007
FILE TIME: 01:17

X CENTROID: 0.289
Y CENTROID: -0.678
POA TO CENTROID: 0.737
HORZ SPREAD: 1.585
VERT SPREAD: 4.779
GROUP SPREAD: 4.790
MIN RADIUS: 0.177
MAX RADIUS: 2.489
MEAN RADIUS: 1.331
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-0.325	0.528
2:	-0.179	0.750
3:	0.181	0.475
4:	0.203	1.624
5:	0.278	-0.501
6:	-0.025	-1.375
7:	0.467	-1.546
8:	1.260	-1.526
9:	0.496	-2.052
10:	0.531	-3.155



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587663. __0

TARGET NUMBER: 5

FILE DATE: 05/09/2007

FILE TIME: 01:17

X CENTROID: 0.058

Y CENTROID: 0.124

POA TO CENTROID: 0.137

HORZ SPREAD: 2.139

VERT SPREAD: 1.391

GROUP SPREAD: 2.355

MIN RADIUS: 0.260

MAX RADIUS: 1.660

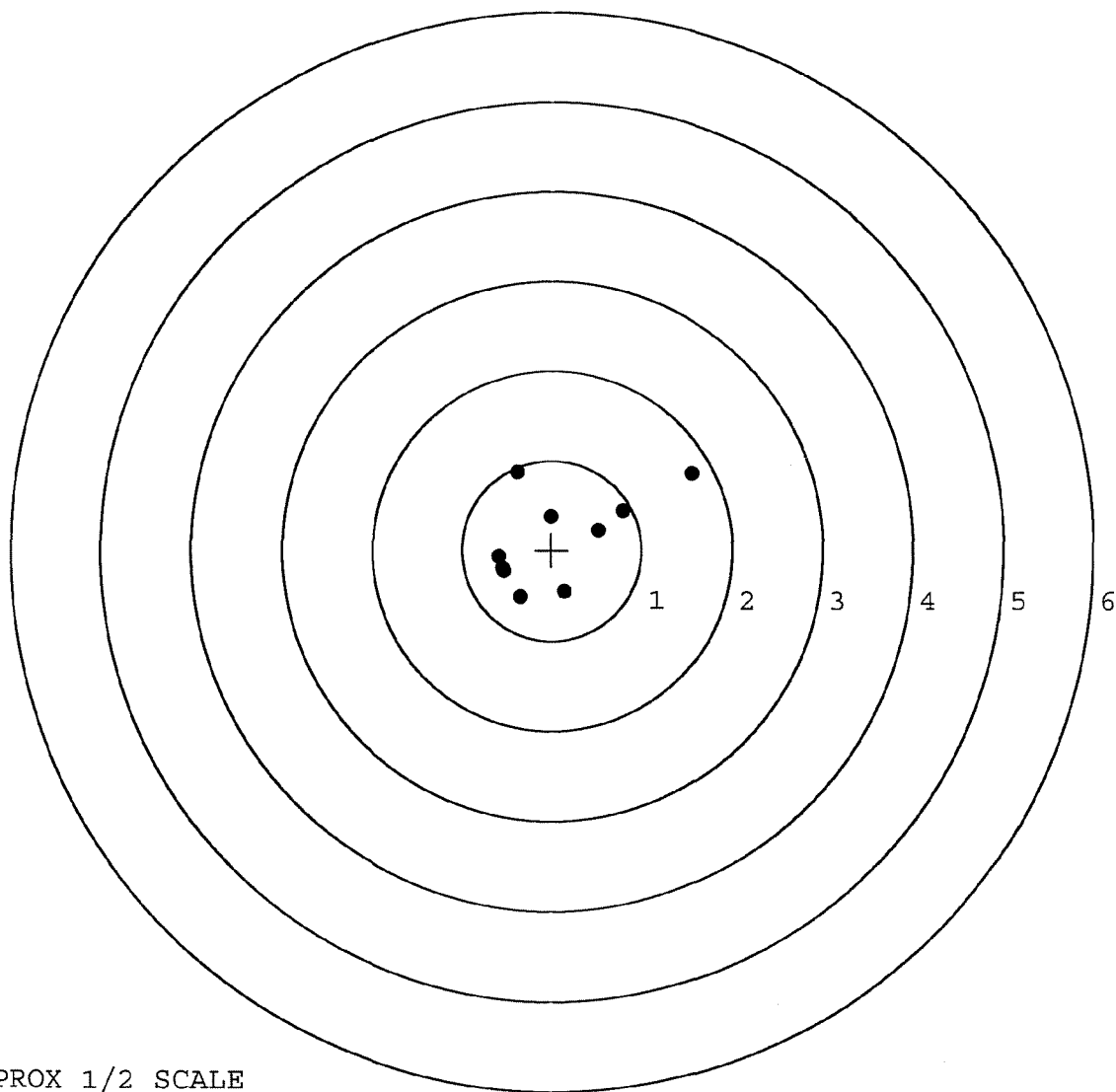
MEAN RADIUS: 0.748

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.386	0.869
2:	-0.020	0.372
3:	-0.591	-0.080
4:	-0.538	-0.239
5:	-0.347	-0.522
6:	0.146	-0.465
7:	0.519	0.216
8:	0.797	0.436
9:	1.548	0.855
10:	-0.548	-0.201



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	127454		
SERIAL NUMBER	C16587663		
LOG-IN DATE	3-30-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-17-07	RTZ
505	RE-BARREL	4-20-07	RTZ
560	ASSEMBLE	4-19-07	TRW
600	PROOF	4-19-07	TRW
605	CHECK HEADSPACE	4-19-07	TRW
610	DIS-ASSEMBLE GUN	4-20-07	RTZ
612	MAGNAFLUX	4/20/07	WWS
510	DRILL AND TAP	4-24-07	TRW
615	ROLLMARK CALIBER	4-24-07	CW
618	ROTO-BLAST	4-24-07	CB
620	APPLY COATINGS	4-27-07	WJ
625	FINAL ASSEMBLY	5-2-07	RTZ
640	FUNCTION TEST AND	PASS FAIL 5/8/07	non
650	TARGET	PASS FAIL 5/8/07	non
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	5-10-07	RTZ
	A) HEADSPACE	PASS FAIL 5-10-07	RTZ
	B) TRIGGER PULL	2.78 2.70 2.70 2.72 2.77 5-9-07	TRW
680	F) SAFETY ON FORCE	5.0 5.25 5.25 5-9-07	TRW
	G) SAFETY OFF FORCE	2.25 2.5 2.25 5-9-07	TRW
	I) FIRING PIN INDENT	.0235 .0225 .0225 5-9-07	TRW
690	PACK	5-14-07	RTA

Remington®



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

MODEL 700™ N24

SERIAL NO.
C6587663

ORDER NO.
5716

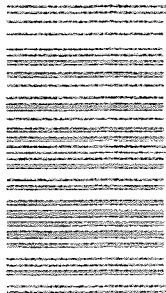
MADE IN ILLION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6587663

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C 6587663*

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		<i>10/24/90</i>	<i>Kd</i>
600	Proof		<i>10/24/90</i>	<i>Kd</i>
607	Check Headspace		<i>10/24/90</i>	<i>Kd</i>
610	Dis-assemble Gun		<i>10/24/90</i>	<i>Kd</i>
612	Magnaflux Barrel Action		<i>10/30/90</i>	<i>KR</i>
	Magnaflux Bolt		<i>"</i>	<i>KR</i>
615	Rollmark Caliber		<i>"</i>	<i>LL</i>
617	Drill and Tap Sight Holes		<i>11/6/90</i>	<i>W/B</i>
618	Polish Barrel <i>AB</i>		<i>11/7/90</i>	<i>W/B</i>
620	Apply Coatings (Barrel Action)		<i>11-20-90</i>	<i>JA</i>
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		<i>1/18/91</i>	<i>KS</i>
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		<i>1/18/91</i>	<i>KS</i>
	C) Inspect Ejector Hole for Chamfer		<i>1/18/91</i>	<i>KS</i>
	D) Oil Firing Pin Ass'y		<i>1/18/91</i>	<i>KS</i>
	E) Adjust Trigger Pull to Min Setting and Stake		<i>1/21/91</i>	<i>JA</i>

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1/21/91	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			1/21/91	WB
	H) Trigger Pull Test & Retainability						1/21/91	JL
	I) Firing Pin Indent	.0205	.021	.021			1/21/91	WB
	J) Assemble Stock						1/21/91	KS
	K) Assemble Swivel Studs						2-4-91	K
	L) Attach Front and Rear Sight Assemblies						1/21/91	KS
	M) Iron Sight Alignment						1/21/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/21/91	KS
	O) Attach Scope to Rifle						1/21/91	KS
	P) Detach & Attach Scope 20 Times						1/21/91	KS
640	Gallery Target & Test						1-21-91	DH
	A) Time						1-21-91	DH
	B) Malfunctions						1-21-91	DH
	C) Pierced Primers						1-21-91	DH
	D) Optical Clarity of Scope						1-21-91	DH
645	Inspect for Live Ammo						1-21-91	DH
655	Final Inspection							
	A) Headspace						2-4-91	K
	B) Trigger Pull	2.30	2.31	2.19	2.30	2.25	1-21-91	JL
	C) Function						2-4-91	AC
660	Pack						3-19-91	NF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6587663
DATE 1-21-91
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.46	2.40	2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.28	2.46	2.31	
PULL #3	2.31	2.48	2.42	2.19	
PULL #4	2.44	2.45	2.44	2.30	
PULL #5	2.24	2.44	2.44	2.25	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.14		
PULL #2	3.29	3.32		
PULL #3	3.36	3.24		
PULL #4	3.32	3.33		
PULL #5	3.33	3.24		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	-RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.35		4.36
PULL #2	4.24	4.21		4.28
PULL #3	4.21	4.29		4.30
PULL #4	4.32	4.35		4.29
PULL #5	4.29	4.30		4.37
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587663
22 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.336001
1 TO	2	.344444
1 TO	3	.387752
1 TO	4	.331119
1 TO	5	.325615

¹
344 <----POA

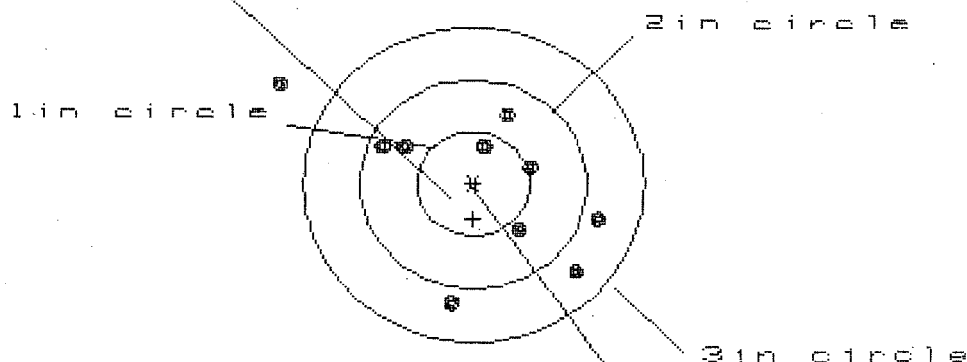
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0128
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1012
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .102006
THE AMR FOR THIS RIFLE IS: .9302

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587663

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 3

HS= 2.793

VS= 2.081

GS= 3.140

CENTROID *

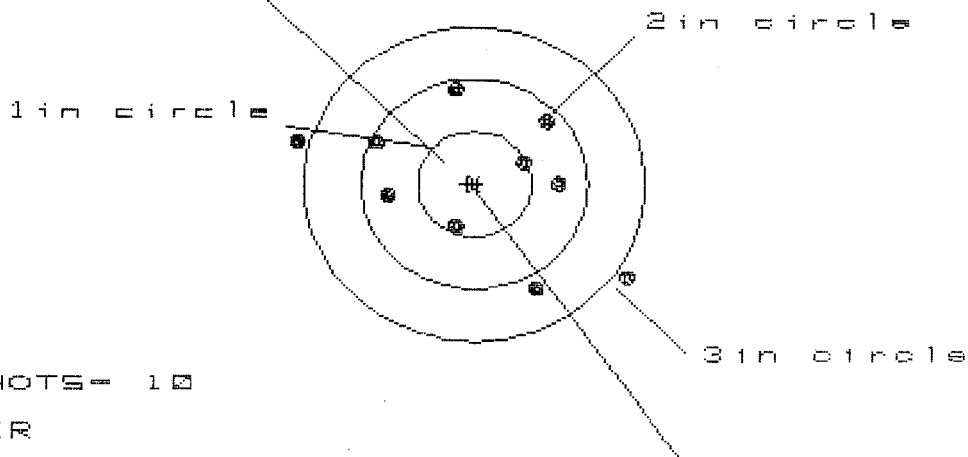
PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.134	.950	1.044
MINIMUM X	:	-1.659	-1.015	-.921
MAXIMUM Y	:	.946	.802	.712
MINIMUM Y	:	-1.135	-1.030	-1.120
CENTROID X	:	.001	.185	.091
CENTROID Y	:	.336	.231	.321
POA TO CENTROID in.	:	.336	.296	.334
MIN RADIUS	:	.327	.396	.337
MEAN RADIUS	:	.935	.805	.766
MAX RADIUS	:	1.910	1.114	1.167
HORIZONTAL SPREAD	:	2.793	1.965	1.965
VERTICAL SPREAD	:	2.081	1.832	1.832
EXTREME SPREAD	:	3.140	2.114	2.089
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587663

CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.818

VS= 1.979

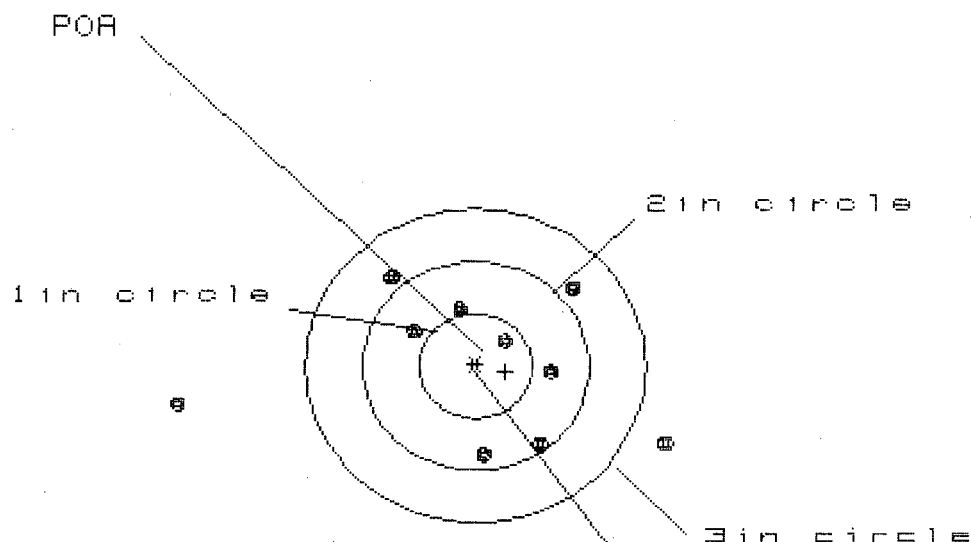
GS= 3.102

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.291	.844	.671
MINIMUM X	:	-1.527	-1.384	-.932
MAXIMUM Y	:	.950	.847	.879
MINIMUM Y	:	-1.029	-1.132	-1.100
CENTROID X	:	.062	-.081	.092
CENTROID Y	:	-.003	.100	.068
POA TO CENTROID in.	:	.062	.129	.114
MIN RADIUS	:	.433	.526	.380
MEAN RADIUS	:	.954	.879	.791
MAX RADIUS	:	1.593	1.408	1.227
HORIZONTAL SPREAD	:	2.818	2.228	1.603
VERTICAL SPREAD	:	1.979	1.979	1.979
EXTREME SPREAD	:	3.102	2.519	2.101
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587663

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 4.232

VS= 1.756

GS= 4.255

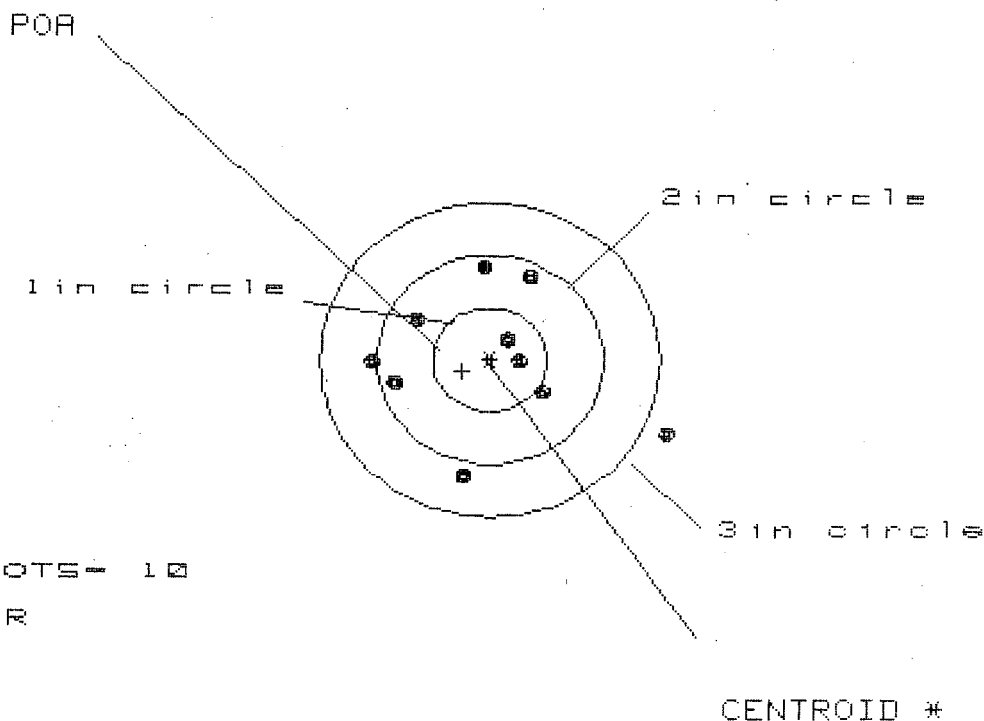
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.616	1.325	.776
MINIMUM X	:	-2.616	-.978	-.813
MAXIMUM Y	:	.868	.834	.737
MINIMUM Y	:	-.888	-.922	-1.020
CENTROID X	:	-.263	.028	-.138
CENTROID Y	:	.052	.086	.184
POA TO CENTROID in.	:	.268	.091	.229
MIN RADIUS	:	.346	.250	.167
MEAN RADIUS	:	1.063	.849	.741
MAX RADIUS	:	2.634	1.537	1.097
HORIZONTAL SPREAD	:	4.232	2.303	1.588
VERTICAL SPREAD	:	1.756	1.756	1.756
EXTREME SPREAD	:	4.255	2.812	2.030
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587663

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.609

VS= 1.981

GS= 2.717

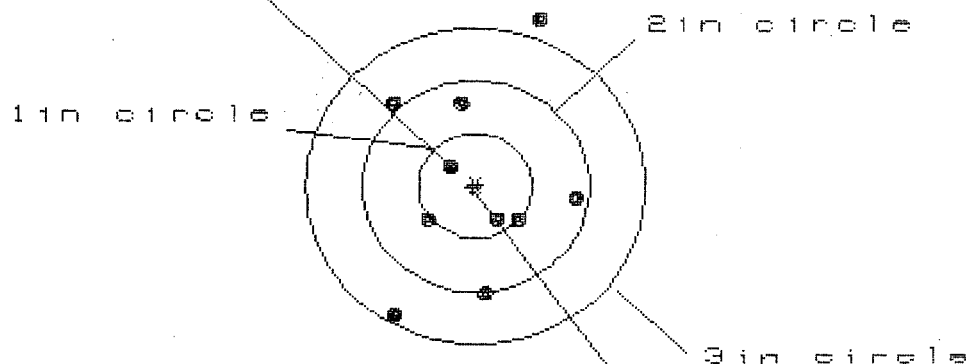
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.574	.606	.602
MINIMUM X	:	-1.035	-.860	-.864
MAXIMUM Y	:	.889	.808	.661
MINIMUM Y	:	-1.092	-1.173	-.498
CENTROID X	:	.243	.068	.072
CENTROID Y	:	.110	.191	.338
POA TO CENTROID in.	:	.266	.203	.346
MIN RADIUS	:	.236	.325	.302
MEAN RADIUS	:	.833	.730	.659
MAX RADIUS	:	1.737	1.174	.888
HORIZONTAL SPREAD	:	2.609	1.466	1.466
VERTICAL SPREAD	:	1.981	1.981	1.159
EXTREME SPREAD	:	2.717	1.991	1.597
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587663

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.609

VS= 2.836

GS= 3.085

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.925	.984	.906
MINIMUM X	:	-.684	-.625	-.690
MAXIMUM Y	:	1.621	.993	.864
MINIMUM Y	:	-1.215	-1.035	-.992
CENTROID X	:	.021	-.038	.040
CENTROID Y	:	.011	-.169	-.040
POA TO CENTROID in.	:	.024	.173	.057
MIN RADIUS	:	.322	.311	.347
MEAN RADIUS	:	.866	.751	.690
MAX RADIUS	:	1.706	1.209	1.058
HORIZONTAL SPREAD	:	1.609	1.609	1.596
VERTICAL SPREAD	:	2.836	2.028	1.856
EXTREME SPREAD	:	3.085	2.109	1.936
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	