

C6349147

MODEL 700TM N24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400108803

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Repair Inquiry

Repair Number: RE00115158

Serial: C6349147 Model M24 SWS Center Fire
Caliber: 308 Produced: 06/19/1990

Repairman:

Verify Repair

Status:

Closed 7/31/2006 1:41:41 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: USPFO FOR COLORADO

USPFO FOR COLORADO

Address 1: 1181 KILMER STREET

1181 KILMER STREET

Address 2: PO Box:

PO Box:

City: GOLDEN

GOLDEN

State: CO

Zip Code: 80401

Country: US

State: CO

Zip Code: 80401

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
B000	FRONT AND REAR E	1

Repair Search

Refresh

Close

nagletj

8/1/2006

7:31 AM

CAPS

NUM

INS

SCRL



Serial Number: C6349147

Model: M24 SWS



RE00115158

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349147.___0
FILE DATE AND TIME: 08/15/2006 20:21

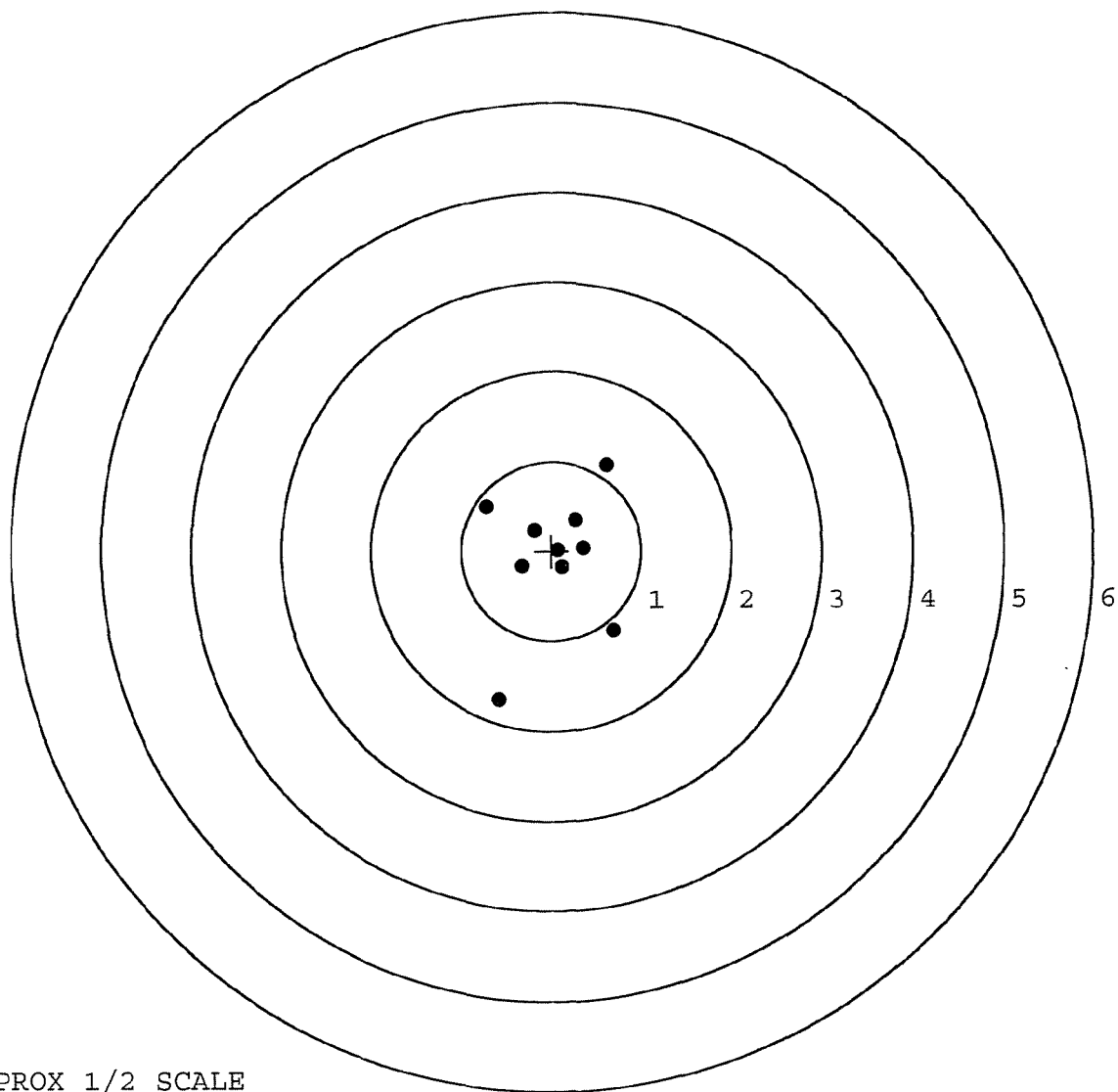
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.048
The Average Y Centroid of the Five Target Set:	-0.001
The Average Point of Impact of the Five Target Set:	0.048
The Average Mean Radius of the Five Target Set:	0.679
The Distance from POA to Centroid Target #1:	0.085
The Distance from Centroid Target #2 to Centroid Target #1:	0.067
The Distance from Centroid Target #3 to Centroid Target #1:	0.092
The Distance from Centroid Target #4 to Centroid Target #1:	0.238
The Distance from Centroid Target #5 to Centroid Target #1:	0.275

SERIAL NUMBER: C6349147. __0
TARGET NUMBER: 1
FILE DATE: 08/15/2006
FILE TIME: 20:21

X CENTROID: 0.028
Y CENTROID: -0.080
POA TO CENTROID: 0.085
HORZ SPREAD: 1.409
VERT SPREAD: 2.615
GROUP SPREAD: 2.880
MIN RADIUS: 0.102
MAX RADIUS: 1.688
MEAN RADIUS: 0.671
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.616	0.964
2:	-0.723	0.503
3:	-0.190	0.233
4:	0.265	0.347
5:	-0.330	-0.171
6:	-0.590	-1.651
7:	0.686	-0.892
8:	0.360	0.035
9:	0.120	-0.184
10:	0.069	0.013



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349147. __0

TARGET NUMBER: 2

FILE DATE: 08/15/2006

FILE TIME: 20:21

X CENTROID: 0.086

Y CENTROID: -0.046

POA TO CENTROID: 0.097

HORZ SPREAD: 1.629

VERT SPREAD: 2.894

GROUP SPREAD: 2.904

MIN RADIUS: 0.299

MAX RADIUS: 1.673

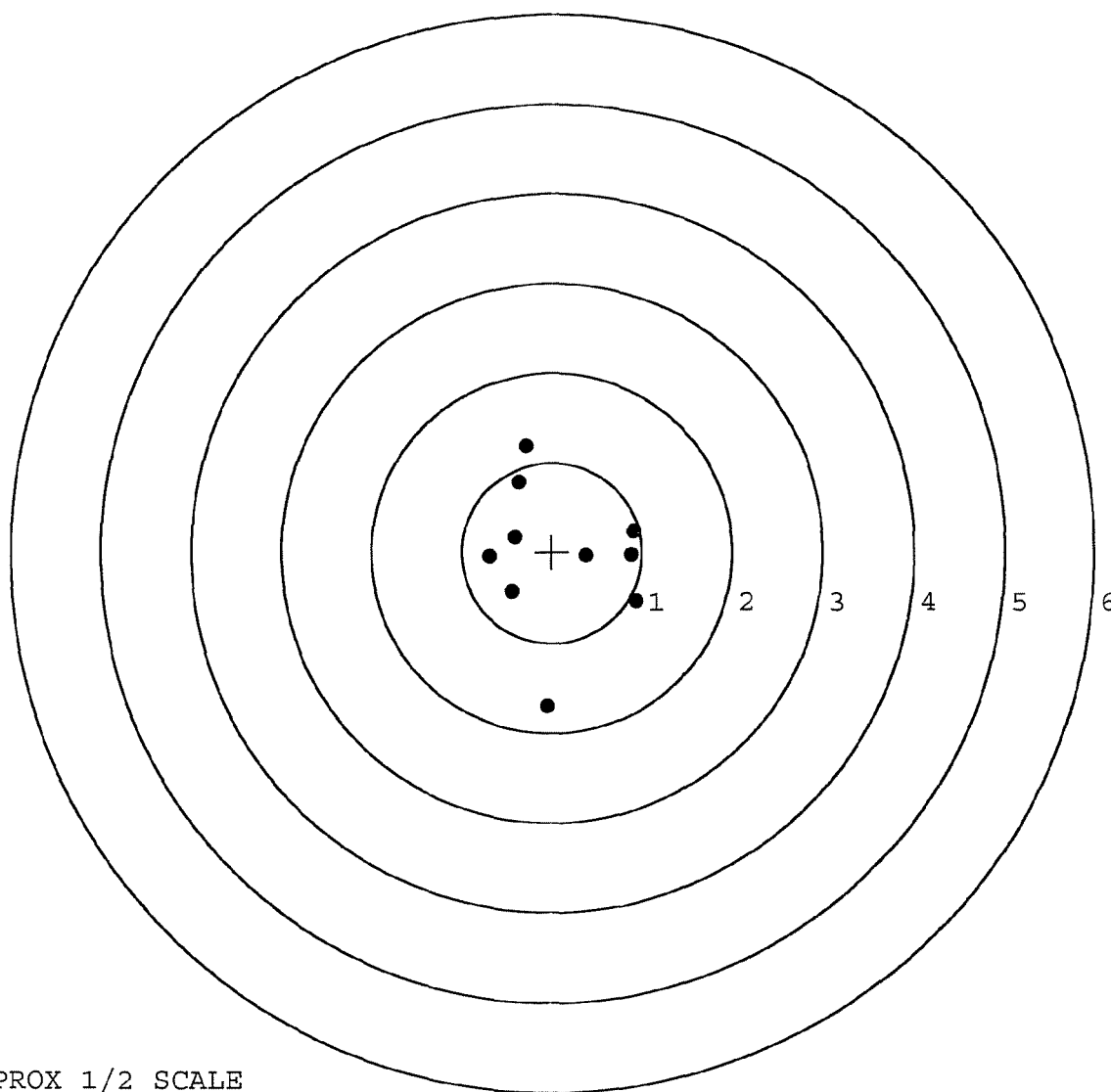
MEAN RADIUS: 0.884

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.048	-1.713
2:	0.942	-0.541
3:	0.908	0.239
4:	0.886	-0.032
5:	0.385	-0.045
6:	-0.453	-0.440
7:	-0.687	-0.058
8:	-0.410	0.173
9:	-0.372	0.780
10:	-0.294	1.181

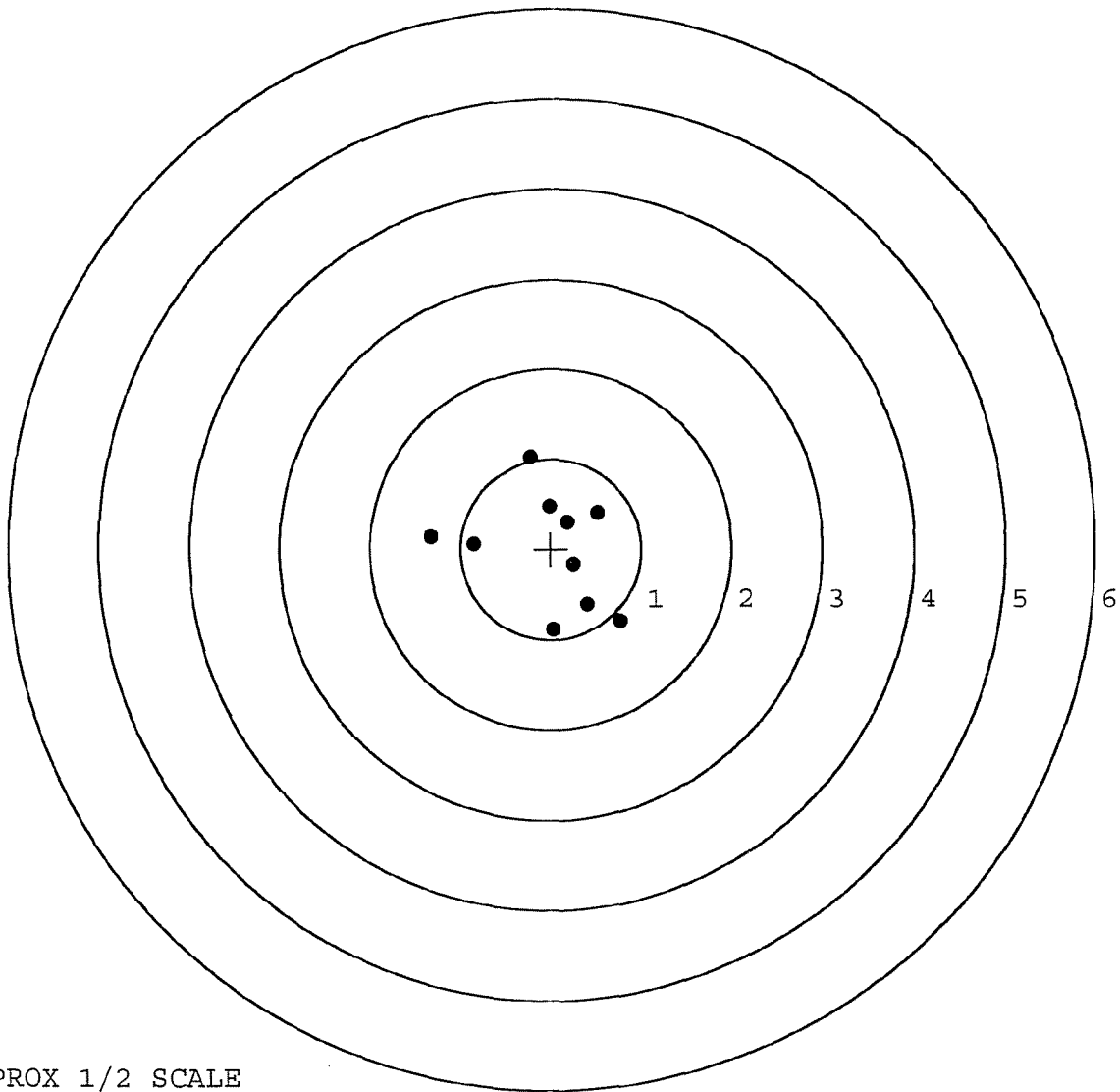


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349147. __0
TARGET NUMBER: 3
FILE DATE: 08/15/2006
FILE TIME: 20:21

X CENTROID: -0.028
Y CENTROID: -0.008
POA TO CENTROID: 0.030
HORZ SPREAD: 2.096
VERT SPREAD: 1.910
GROUP SPREAD: 2.297
MIN RADIUS: 0.321
MAX RADIUS: 1.304
MEAN RADIUS: 0.780
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.324	0.140
2:	-0.851	0.060
3:	0.772	-0.799
4:	0.033	-0.895
5:	0.409	-0.614
6:	0.249	-0.170
7:	-0.239	1.015
8:	0.515	0.402
9:	-0.023	0.477
10:	0.175	0.304

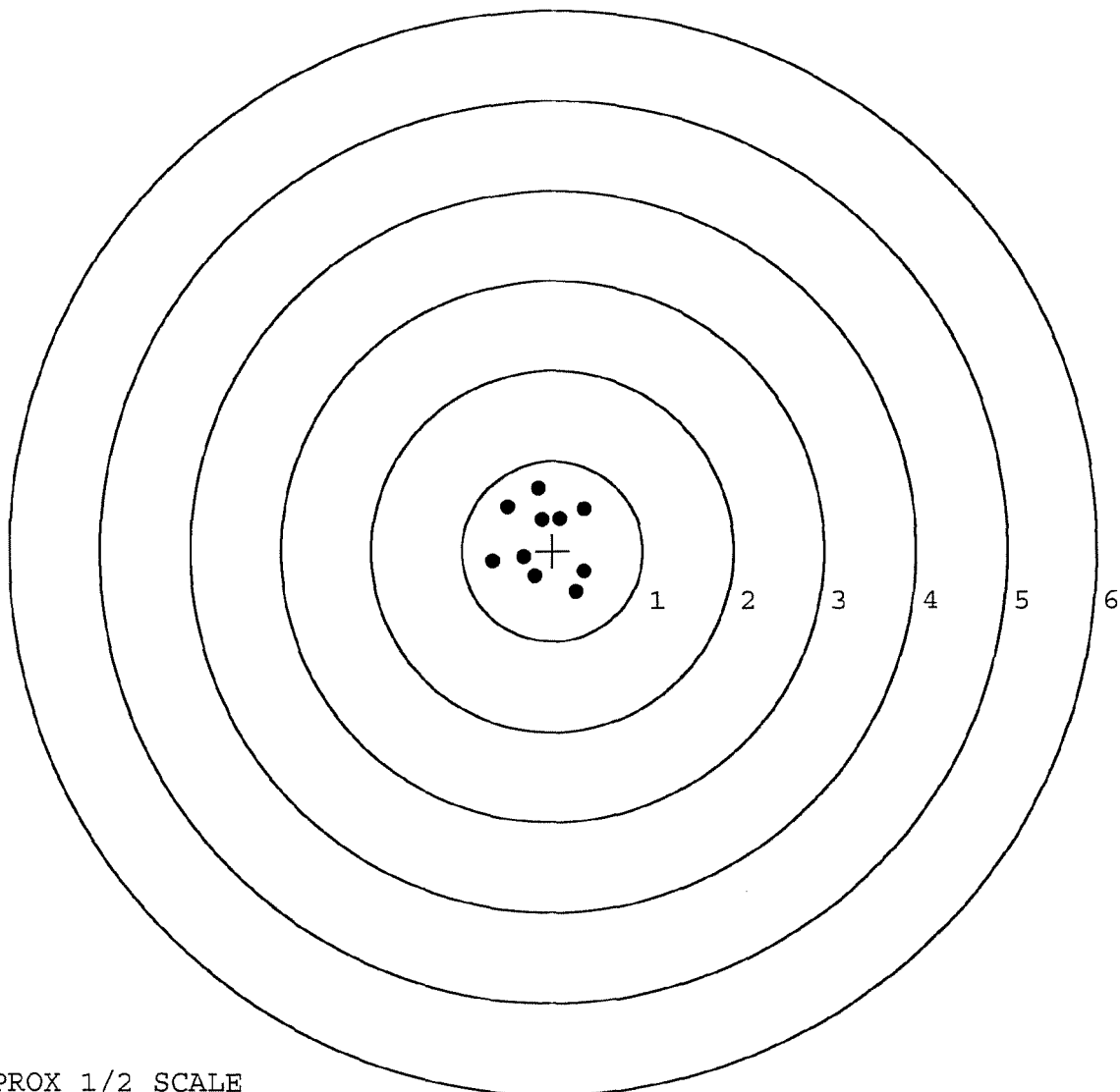


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349147. __ 0
TARGET NUMBER: 4
FILE DATE: 08/15/2006
FILE TIME: 20:21

X CENTROID: -0.095
Y CENTROID: 0.123
POA TO CENTROID: 0.155
HORZ SPREAD: 1.013
VERT SPREAD: 1.149
GROUP SPREAD: 1.226
MIN RADIUS: 0.230
MAX RADIUS: 0.679
MEAN RADIUS: 0.480
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.262	-0.454
2:	0.348	-0.227
3:	0.349	0.468
4:	-0.165	0.695
5:	-0.505	0.497
6:	-0.664	-0.108
7:	-0.323	-0.072
8:	-0.123	0.352
9:	-0.204	-0.282
10:	0.078	0.364



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349147. 0

TARGET NUMBER: 5

FILE DATE: 08/15/2006

FILE TIME: 20:21

X CENTROID: -0.233

Y CENTROID: 0.004

POA TO CENTROID: 0.233

HORZ SPREAD: 1.627

VERT SPREAD: 1.364

GROUP SPREAD: 2.074

MIN RADIUS: 0.092

MAX RADIUS: 1.268

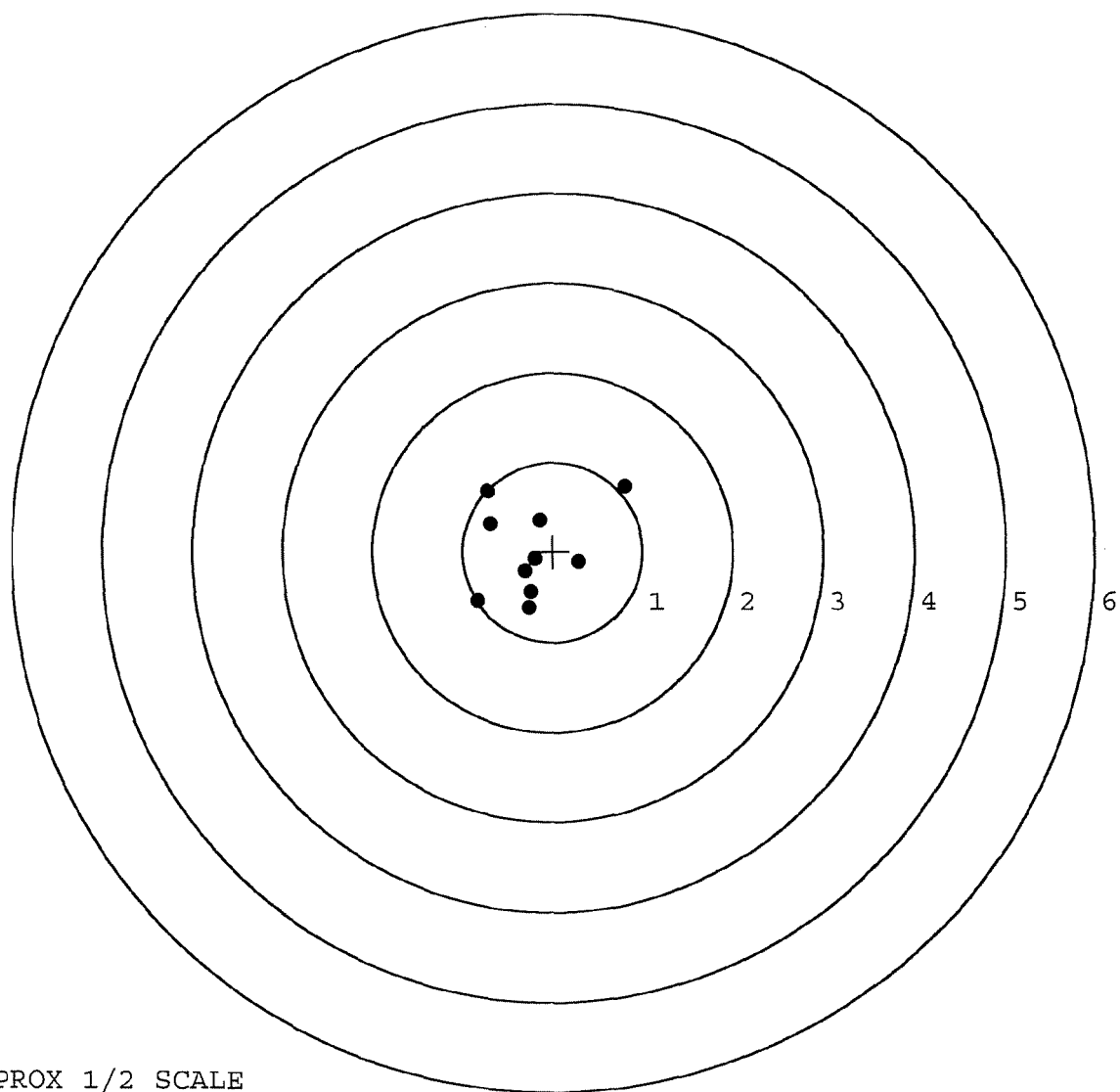
MEAN RADIUS: 0.578

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.800	0.739
2:	0.291	-0.117
3:	-0.827	-0.548
4:	-0.726	0.674
5:	-0.700	0.318
6:	-0.261	-0.625
7:	-0.251	-0.451
8:	-0.201	-0.082
9:	-0.148	0.351
10:	-0.309	-0.215



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	115158		
SERIAL NUMBER	C6349147		
LOG-IN DATE	7-31-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-6-06	RTZ
505	RE-BARREL	8-8-06	RTZ
420	ASSEMBLE	8-8-06	RTZ
440	PROOF	8-9-06	BLC
460	CHECK HEADSPACE	8-9-06	BLC
470	DIS-ASSEMBLE GUN	8-9-06	BLC
480	MAGNAFLUX	8-11-06	APD
510	DRILL AND TAP	8-10-06	TRW
500	ROLLMARK CALIBER	8-11-06	CW
520	GOFF BLAST BBL / REC	8-11-06	CB
530 & 540	APPLY COATINGS	8/13/06	FB
560	FINAL ASSEMBLY	8-15-06	RTZ
640	FUNCTION TEST AND	PASS FAIL 8-15-06	H.P.D.
650	TARGET	PASS FAIL 8-15-06	H.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL 8-17-06	MTH
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 282 284 267 280 271 8-16-06	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 5.5 5.5 5.5 8-16-06	DA
	G) SAFETY OFF FORCE	2 LBS MIN 2.5 2.5 2.5 8-16-06	DA
	I) FIRING PIN INDENT	.020 .025 .024 .025 8-16-06	DA
690	PACK	9-22-06	DA

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY

BARREL

RECEIVER

FRONT SIGHT BASE

REAR SIGHT BASE

SCREWS

FINISH

SCOPE ASSEMBLY

SCOPE

SCOPE RINGS

MOUNTING SCREWS

MOUNTING BASE

SCREWS

FINISH

CLARITY

STOCK ASSEMBLY

STOCK

SLING SWIVEL STUDS

BUTT PATE

LOCK NUTS

BARREL CLEARANCE

COLOR / FINISH

SYSTEM CASE

SCOPE CASE

IRON SIGHTS

DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION

RE-SET TO FACTORY
SPECS

COMMENTS: _____

F006 REV 5/2006

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6349147

ORDER NO.
5716

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

01



5716 C6349147

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349147

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2	50	RW
600	Proof	5 2	50	RW
607	Check Headspace	5 2	90	RW
610	Dis-assemble Gun	5 2	90	RW
612	Magnaflux Barrel Action	5-8-90		KCR
	Magnaflux Bolt	5-8-90		KCR
615	Rollmark Caliber		5/8/90	CS
617	Drill and Tap Sight Holes		5/9/90	FB
618	Polish Barrel AB.		5/10/90	RB
620	Apply Coatings (Barrel Action)		5-16-90	TH
	Apply Coating (Bolt)		5	
625	Final Assembly A) Clean inside of Bolt Assembly		5/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/18/90	RW
	C) Inspect Ejector Hole for Chamfer		5/18/90	RW
	D) Oil Firing Pin Ass'y		5/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/24/90	JM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/4	4 1/2			5/24/90	WB
	G) Safety Off Force	2	2	2			5/24/90	WB
	H) Trigger Pull Test & Retainability						5/24/90	XL
	I) Firing Pin Indent	.0735	.023	.023			5/24/90	WB
	J) Assemble Stock						5/29/90	RW
	K) Assemble Swivel Studs						6-6-90	JB
	L) Attach Front and Rear Sight Assemblies						5/29/90	RW
	M) Iron Sight Alignment						5/29/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/29/90	RW
	O) Attach Scope to Rifle						5/29/90	XL
	P) Detach & Attach Scope 20 Times						5/24/90	XL
640	Gallery Target & Test						5-30-90	AC
	A) Time						5-30-90	AC
	B) Malfunctions						5-30-90	AC
	C) Pierced Primers						5-30-90	AC
	D) Optical Clarity of Scope						5-30-90	AC
645	Inspect for Live Ammo						5-30-90	AC
655	Final Inspection							
	A) Headspace						6-8-90	JB
	B) Trigger Pull	263	265	260	261	252	6-6-90	JB
	C) Function						6-6-90	JB
660	Pack						6-19-90	DLH

SWS TRIGGER PULL TEST

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

SERIAL NO. 66349147
DATE 5/24/90
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.23	2.28	2.63	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.18	2.20	2.65	
PULL #3	2.22	2.22	2.24	2.60	
PULL #4	2.41	2.21	2.20	2.61	
PULL #5	2.27	2.11	2.24	2.52	
TOTAL	11.76	10.95	11.16		
AVG.	2.352	2.19	2.232		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.24		
PULL #2	3.31	3.24		
PULL #3	3.35	3.19		
PULL #4	3.36	3.16		
PULL #5	3.37	3.11		
TOTAL	16.88	15.94		
AVG.	3.376	3.188		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.18		4.27
PULL #2	4.24	4.12		4.20
PULL #3	4.18	4.21		4.18
PULL #4	4.22	4.22		4.21
PULL #5	4.17	4.12		4.28
TOTAL	21.20	20.85		21.14
AVG.	4.24	4.17		4.228

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349147
31 May 1990

CENTROIDAL DISTANCES

0 TO	1	.060959
1 TO	2	.201375
1 TO	3	.502697
1 TO	4	.34094
1 TO	5	.451864

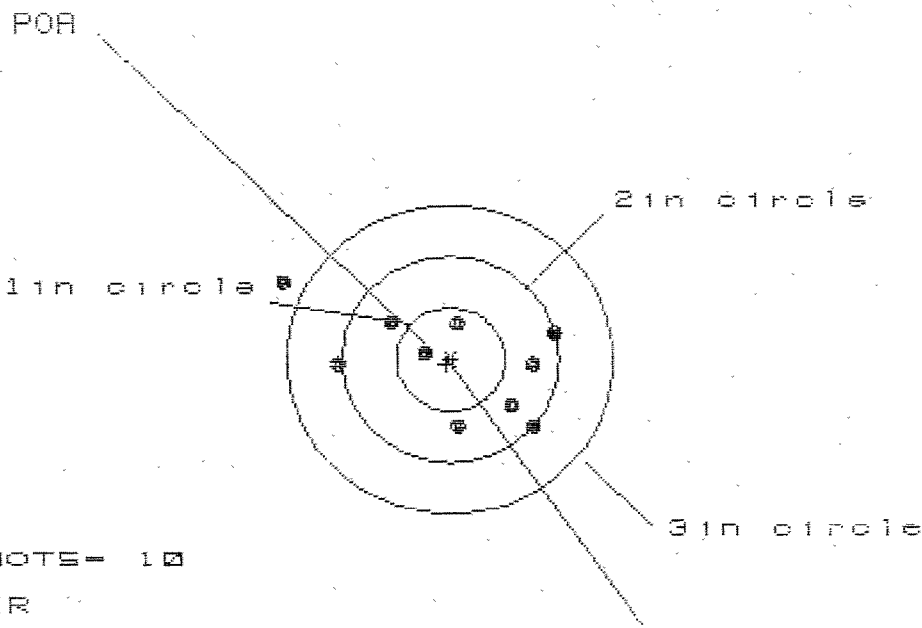
#4 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2504
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .101
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .270092
THE AMP FOR THIS RIFLE IS: .8522

31 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6345147

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

ME = 2.475

VS = 1.328

GS = 2.663

CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.975	.808	.883
MINIMUM X	:	-1.500	-1.161	-1.081
MAXIMUM Y	:	.711	.439	.372
MINIMUM Y	:	-.617	-.538	-.603
CENTROID X	:	.040	.207	.127
CENTROID Y	:	.046	-.033	.034
POB TO CENTROID in.	:	.061	.210	.131
MIN RADIUS	:	.297	.424	.353
MEAN RADIUS	:	.816	.707	.684
MAX RADIUS	:	1.660	1.161	1.032
HORIZONTAL SPREAD	:	2.475	1.969	1.969
VERTICAL SPREAD	:	1.328	.977	.975
EXTREME SPREAD	:	2.663	1.994	1.994
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

31 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349147

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.481

VS= 1.495

QS= 2.558

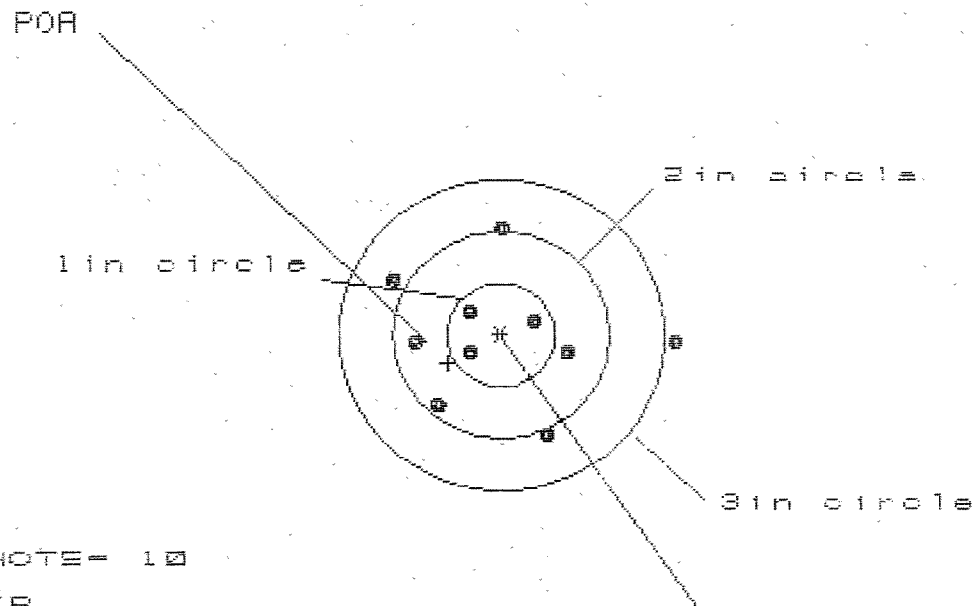
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.993	.828	.816
MINIMUM X	:	-1.488	-.976	-.873
MAXIMUM Y	:	.590	.586	.611
MINIMUM Y	:	-.985	-.989	-.836
CENTROID X	:	-.126	.039	-.064
CENTROID Y	:	-.068	-.064	-.137
POA TO CENTROID in.	:	.143	.075	.152
MIN RADIUS	:	.400	.236	.339
MEAN RADIUS	:	.841	.735	.714
MAX RADIUS	:	1.488	1.047	1.003
HORIZONTAL SPREAD	:	2.481	1.804	1.689
VERTICAL SPREAD	:	1.495	1.495	1.447
EXTREME SPREAD	:	2.558	1.985	1.837
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			10	

31 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349147

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.560

VS= 1.980

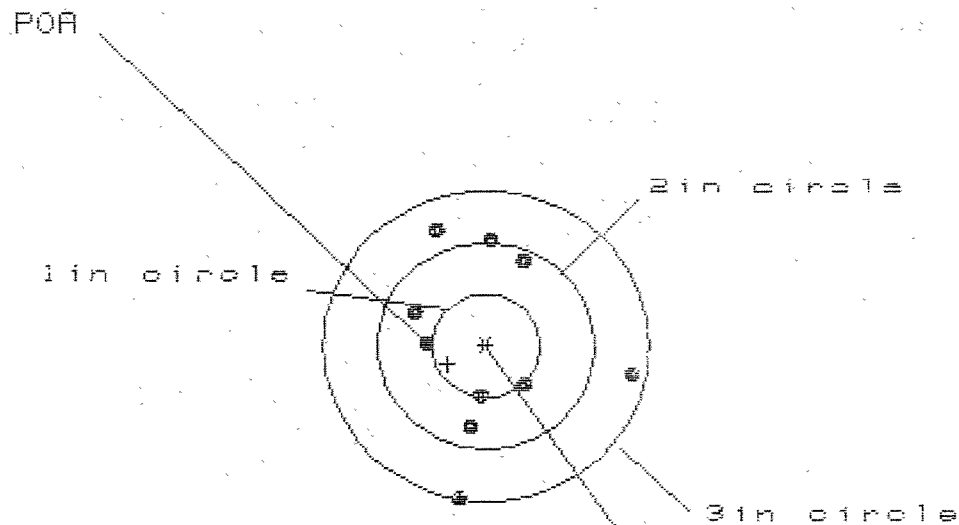
GS= 2.624

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.591	.777	.678
MINIMUM X	-.969	-.792	-.723
MAXIMUM Y	1.060	1.052	1.115
MINIMUM Y	-.920	-.928	-.865
CENTROID X	.492	.315	.414
CENTROID Y	.266	.274	.211
POA TO CENTROID in.	.559	.417	.465
MIN RADIUS	.302	.183	.207
MEAN RADIUS	.807	.695	.665
MAX RADIUS	1.593	1.077	1.122
HORIZONTAL SPREAD	2.560	1.569	1.401
VERTICAL SPREAD	1.980	1.980	1.990
EXTREME SPREAD	2.624	2.004	2.004
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

31 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349147

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.005

VS= 2.529

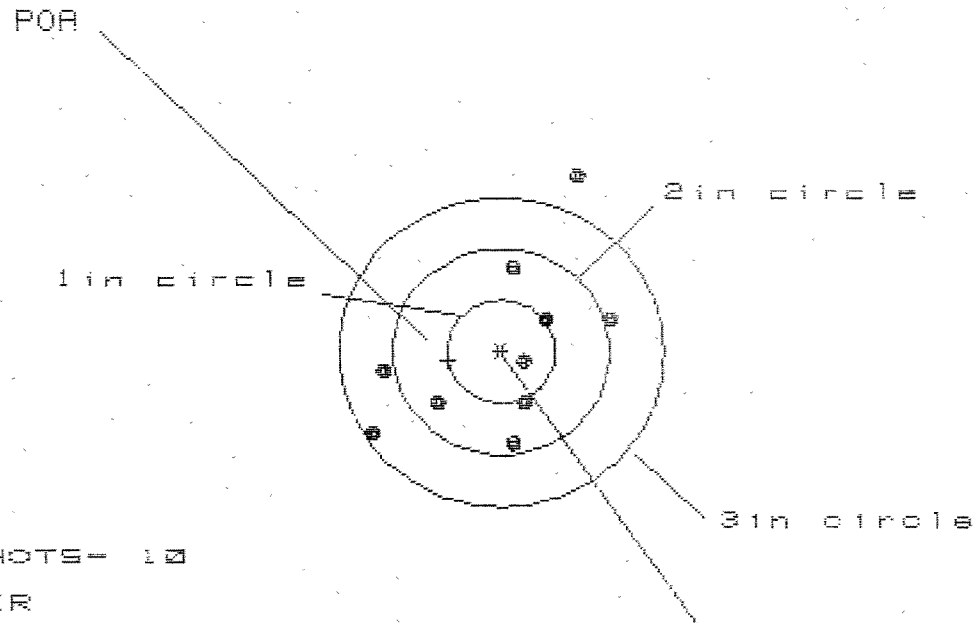
GS= 2.535

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.331	1.303	.506
MINIMUM X	:	-.674	-.702	-.539
MAXIMUM Y	:	1.094	.934	.885
MINIMUM Y	:	-1.435	-.916	-.965
CENTROID X	:	.356	.384	.221
CENTROID Y	:	.174	.334	.383
POA TO CENTROID in.	:	.396	.509	.442
MIN RADIUS	:	.462	.567	.421
MEAN RADIUS	:	.887	.824	.734
MAX RADIUS	:	1.459	1.360	.965
HORIZONTAL SPREAD	:	2.005	2.005	1.045
VERTICAL SPREAD	:	2.529	1.850	1.850
EXTREME SPREAD	:	2.535	2.198	1.872
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

31 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349147

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.200

VS= 2.579

GS= 3.101

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.054
MINIMUM X	-1.146
MAXIMUM Y	1.670
MINIMUM Y	-1.909
CENTROID X	.490
CENTROID Y	.087
POR TO CENTROID in.	.497
MIN RADIUS	.215
MEAN RADIUS	.910
MAX RADIUS	1.809
HORIZONTAL SPREAD	2.200
VERTICAL SPREAD	2.579
EXTREME SPREAD	3.101
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9