

C6349013

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00115159

Serial: C6349013 Model M24 SWS Center Fire
Caliber: 308 Produced: 06/19/1990

Repairman:

Status: Closed 7/31/2006 1:43:51 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: C6349013

Model: M24 SWS



RE00115159

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349013.___0
FILE DATE AND TIME: 08/15/2006 21:20

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.007
The Average Y Centroid of the Five Target Set:	-0.031
The Average Point of Impact of the Five Target Set:	0.031
The Average Mean Radius of the Five Target Set:	0.735
The Distance from POA to Centroid Target #1:	0.017
The Distance from Centroid Target #2 to Centroid Target #1:	0.035
The Distance from Centroid Target #3 to Centroid Target #1:	0.171
The Distance from Centroid Target #4 to Centroid Target #1:	0.070
The Distance from Centroid Target #5 to Centroid Target #1:	0.156

SERIAL NUMBER: C6349013. __0

TARGET NUMBER: 1

FILE DATE: 08/15/2006

FILE TIME: 21:20

POINT#	X	Y
1:	-0.871	0.123
2:	-0.481	0.227
3:	-0.356	0.782
4:	-0.067	0.459
5:	0.479	0.700
6:	0.666	-0.103
7:	0.431	-0.244
8:	0.657	-0.797
9:	0.016	-0.754
10:	-0.357	-0.512

X CENTROID: 0.012

Y CENTROID: -0.012

POA TO CENTROID: 0.017

HORZ SPREAD: 1.537

VERT SPREAD: 1.579

GROUP SPREAD: 1.876

MIN RADIUS: 0.477

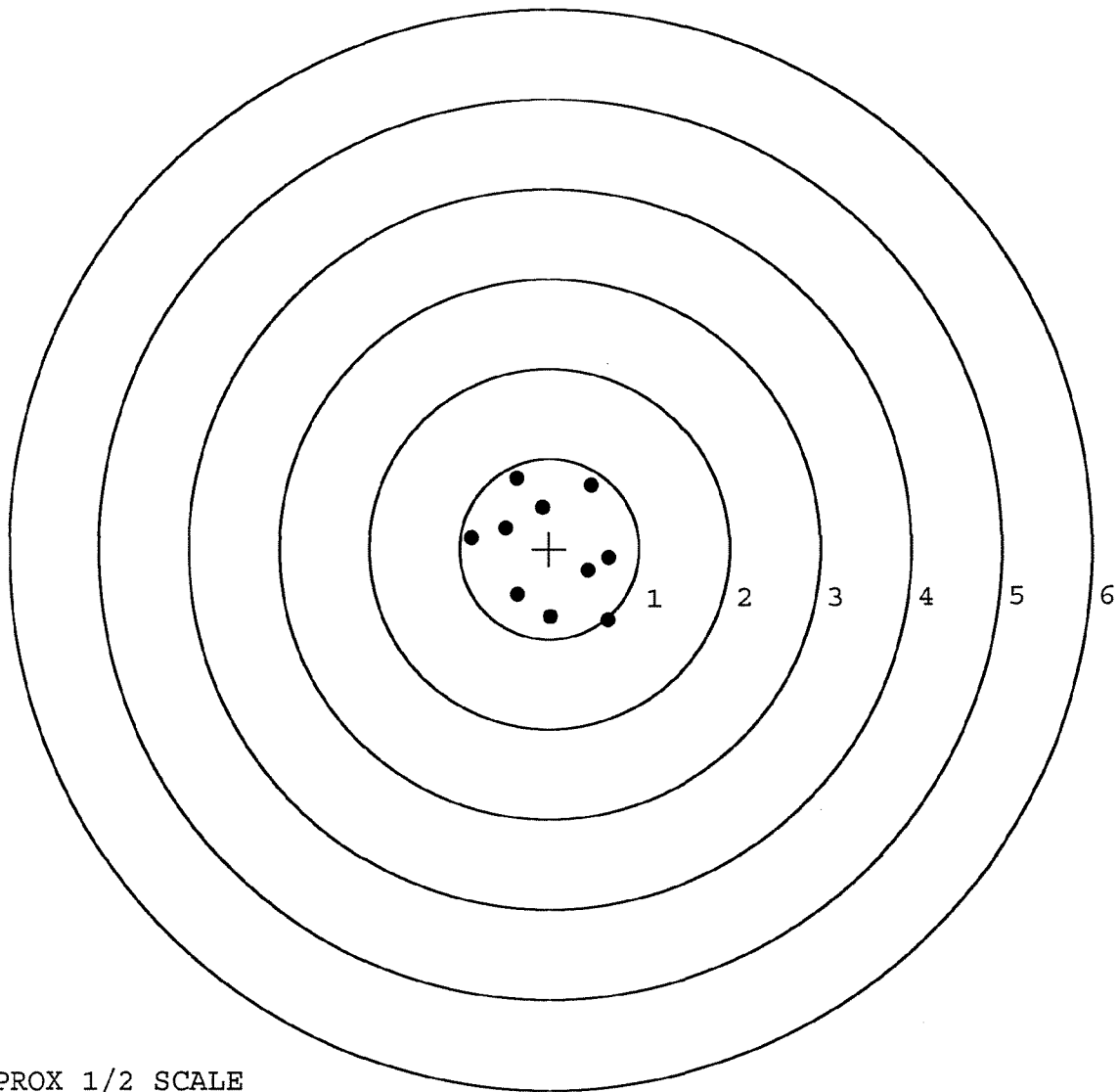
MAX RADIUS: 1.016

MEAN RADIUS: 0.716

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

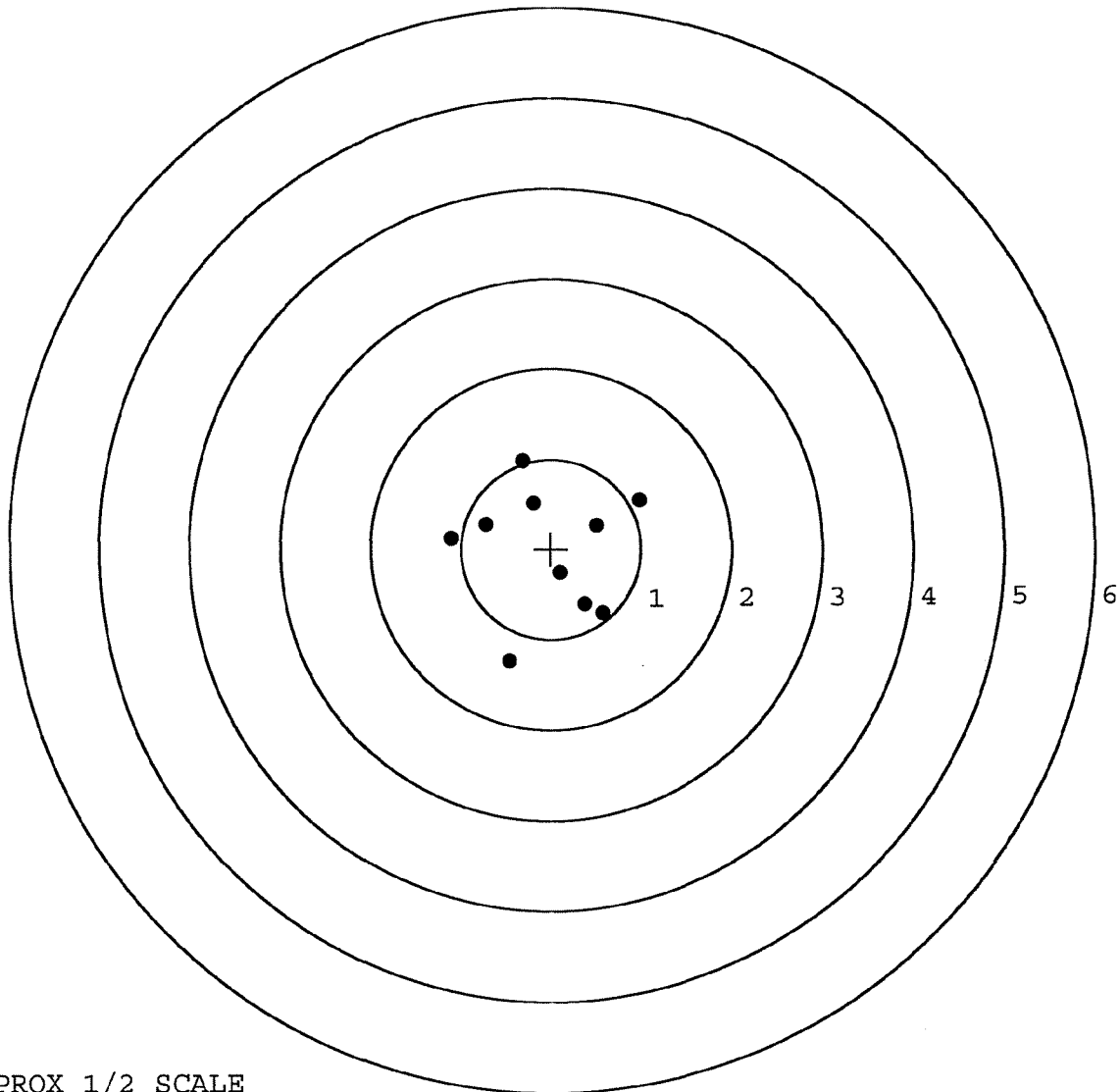


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349013. __0
 TARGET NUMBER: 2
 FILE DATE: 08/15/2006
 FILE TIME: 21:20

POINT#	X	Y
1:	-0.320	0.980
2:	-0.193	0.513
3:	-0.714	0.279
4:	-1.105	0.126
5:	0.993	0.546
6:	0.517	0.262
7:	0.101	-0.268
8:	0.376	-0.616
9:	0.578	-0.718
10:	-0.465	-1.241

X CENTROID: -0.023
 Y CENTROID: -0.014
 POA TO CENTROID: 0.027
 HORZ SPREAD: 2.098
 VERT SPREAD: 2.221
 GROUP SPREAD: 2.306
 MIN RADIUS: 0.283
 MAX RADIUS: 1.304
 MEAN RADIUS: 0.843
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

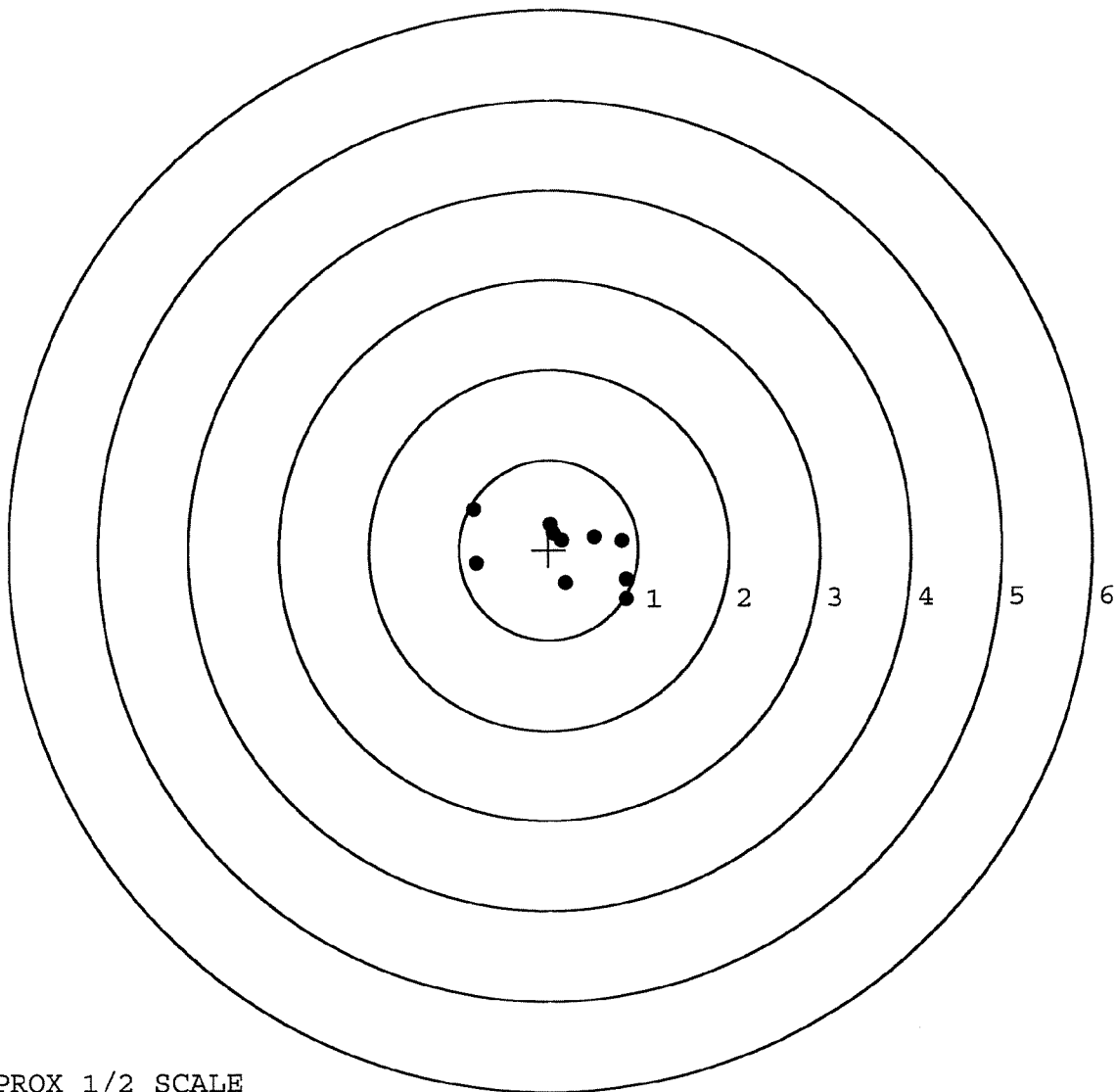


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349013. __0
 TARGET NUMBER: 3
 FILE DATE: 08/15/2006
 FILE TIME: 21:20

POINT#	X	Y
1:	-0.840	0.454
2:	-0.807	-0.149
3:	0.865	-0.338
4:	0.187	-0.377
5:	0.024	0.284
6:	0.056	0.185
7:	0.152	0.100
8:	0.818	0.097
9:	0.512	0.144
10:	0.860	-0.555

X CENTROID: 0.183
 Y CENTROID: -0.015
 POA TO CENTROID: 0.183
 HORZ SPREAD: 1.705
 VERT SPREAD: 1.009
 GROUP SPREAD: 1.977
 MIN RADIUS: 0.120
 MAX RADIUS: 1.125
 MEAN RADIUS: 0.581
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

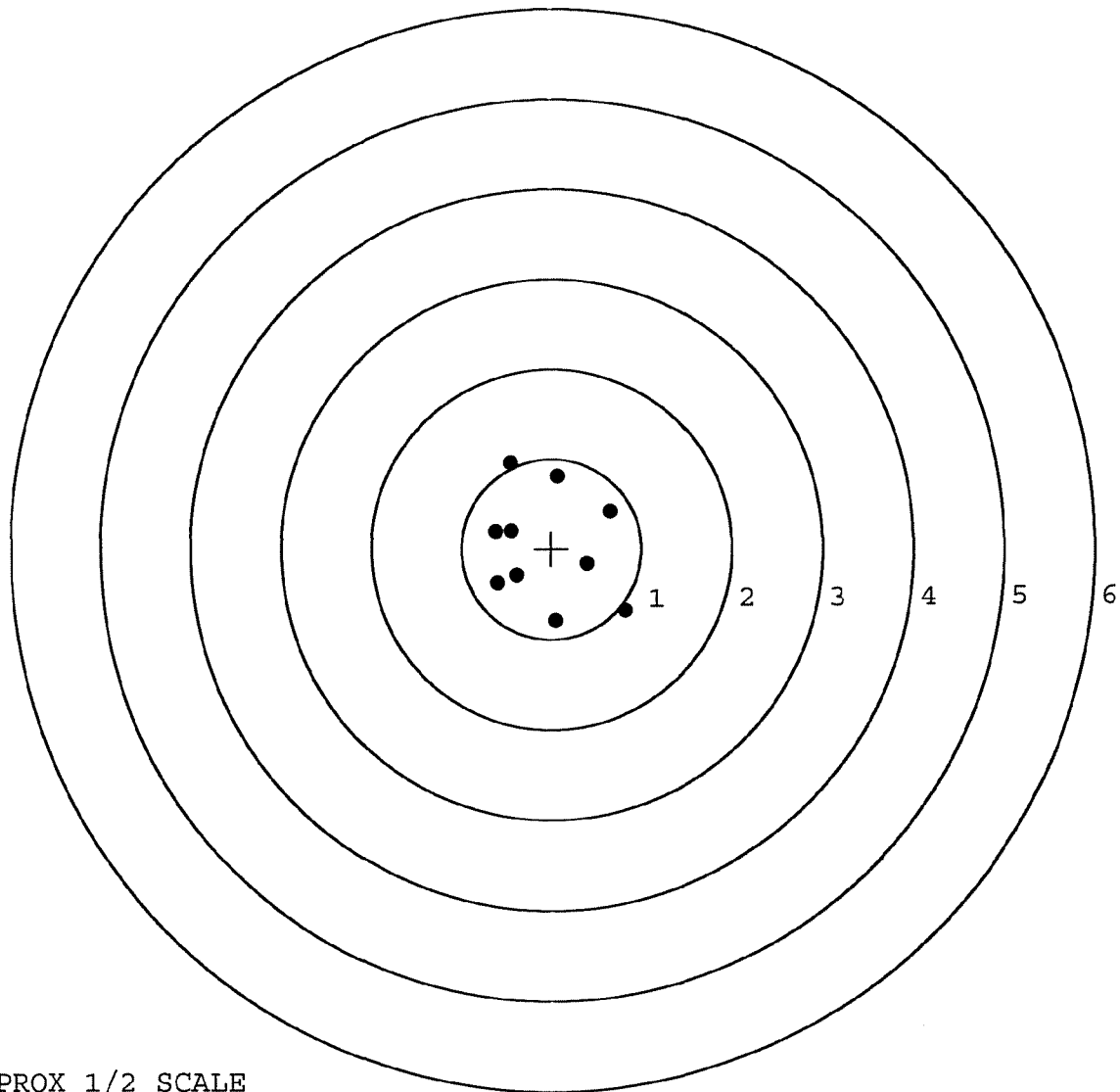


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349013. __0
 TARGET NUMBER: 4
 FILE DATE: 08/15/2006
 FILE TIME: 21:20

POINT#	X	Y
1:	0.826	-0.688
2:	0.047	-0.804
3:	0.397	-0.167
4:	0.661	0.409
5:	0.078	0.803
6:	-0.454	0.958
7:	-0.616	0.191
8:	-0.445	0.195
9:	-0.391	-0.295
10:	-0.601	-0.381

X CENTROID: -0.050
 Y CENTROID: 0.022
 POA TO CENTROID: 0.054
 HORZ SPREAD: 1.442
 VERT SPREAD: 1.762
 GROUP SPREAD: 2.085
 MIN RADIUS: 0.431
 MAX RADIUS: 1.128
 MEAN RADIUS: 0.724
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349013. __ 0

TARGET NUMBER: 5

FILE DATE: 08/15/2006

FILE TIME: 21:20

X CENTROID: -0.085

Y CENTROID: -0.134

POA TO CENTROID: 0.159

HORZ SPREAD: 1.829

VERT SPREAD: 1.933

GROUP SPREAD: 2.433

MIN RADIUS: 0.289

MAX RADIUS: 1.488

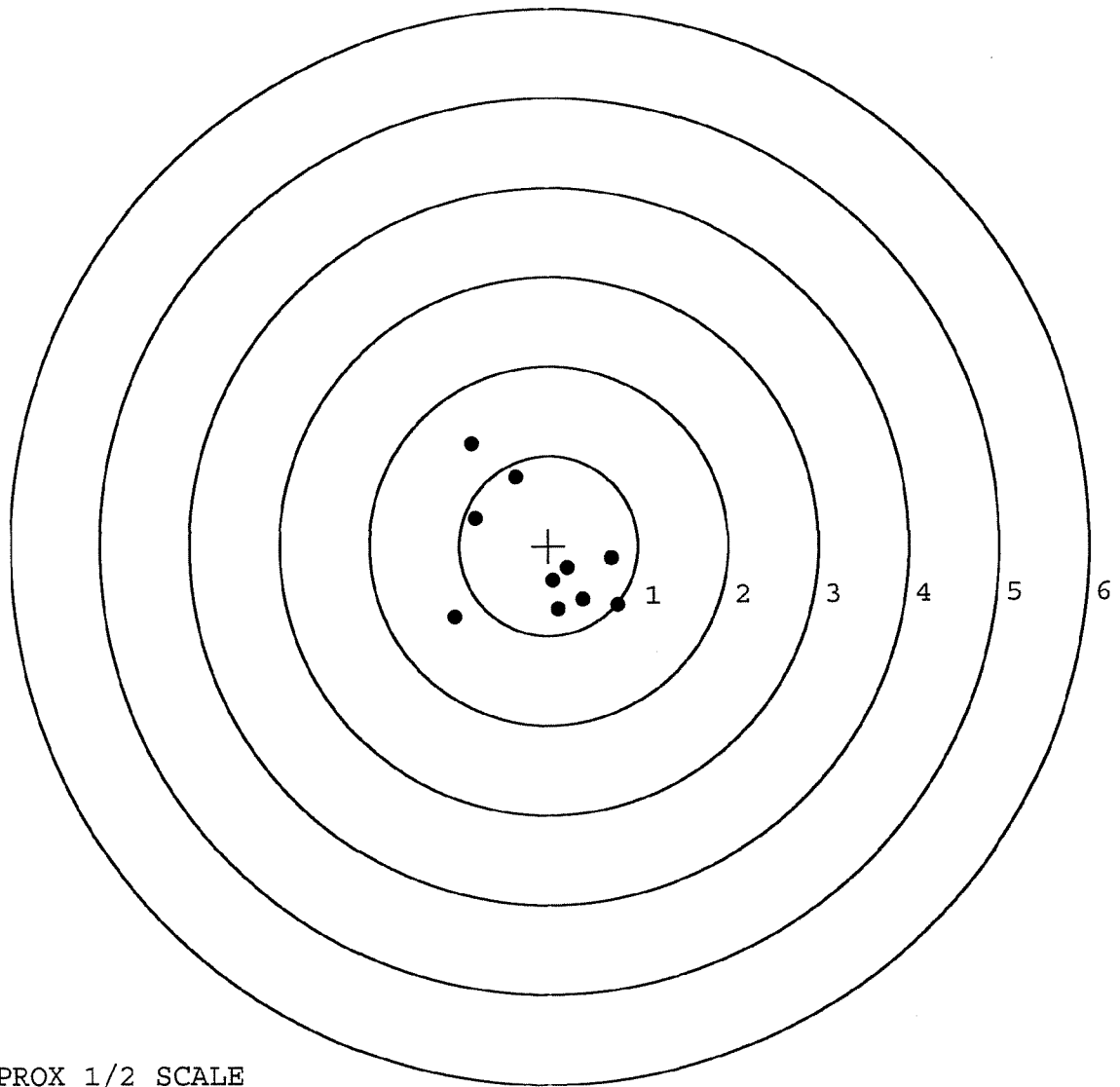
MEAN RADIUS: 0.812

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.856	1.139
2:	-0.364	0.766
3:	-0.815	0.302
4:	-1.052	-0.794
5:	0.705	-0.142
6:	0.777	-0.664
7:	0.207	-0.248
8:	0.051	-0.388
9:	0.108	-0.707
10:	0.386	-0.601



TARGET APPROX 1/2 SCALE

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	115159		
SERIAL NUMBER	C6349013		
LOG-IN DATE	7-31-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-7-06	RTZ
505	RE-BARREL	8-8-06	RTZ
420	ASSEMBLE	8-8-06	RTZ
440	PROOF	8-9-06	BLG
460	CHECK HEADSPACE	8-9-06	BLG
470	DIS-ASSEMBLE GUN	8-9-06	BLG
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	LB
530 & 540	APPLY COATINGS	8/13/06	RB
560	FINAL ASSEMBLY	8-15-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	8-15-06 R.P.D.
650	TARGET	PASS FAIL	8-15-06 R.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		8-17-06 MTM
	A) HEADSPACE	PASS FAIL	8-17-06 MTM
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.86 2.64 2.54 2.56 2.65 8-16-06 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.5 5.2 5.5 8-16-06 DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.2 2.2 2.2 8-16-06 DA
	I) FIRING PIN INDENT	.020	.024 .023 .024 8-16-06 DA
690	PACK		922-06 DA

F006 REV 5/2006

BARREL ASSEMBLY	STOCK ASSEMBLY
_____ BARREL	_____ STOCK
_____ RECEIVER	_____ SLING SWIVEL STUDS
_____ FRONT SIGHT BASE	_____
_____ REAR SIGHT BASE	_____ BUTT PATE
_____ SCREWS	_____ LOCK NUTS
_____ FINISH	_____ BARREL CLEARANCE
	_____ COLOR / FINISH
SCOPE ASSEMBLY	SYSTEM CASE
_____ SCOPE	_____ SCOPE CASE
_____ SCOPE RINGS	_____ IRON SIGHTS
_____ MOUNTING SCREWS	_____ DEPLOYMENT KIT
_____ MOUNTING BASE	TRIGGER ASSEMBLY
_____ SCREWS	_____ SAFETY OPERATION
_____ FINISH	_____ RE-SET TO FACTORY SPECS
_____ CLARITY	
COMMENTS: _____	

F006 REV 5/2006

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

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

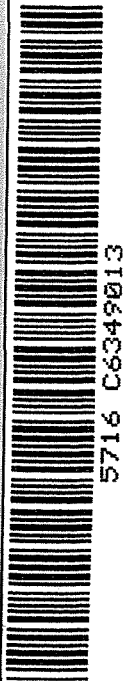
MODEL 700TM M24

SERIAL NO. C6349013

ORDER NO. 5716

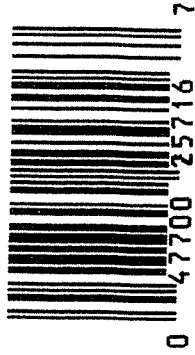
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1



5716 C6349013

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349013

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	50	RW
600	Proof	4 12	90	K
607	Check Headspace	4 12	90	K
610	Dis-assemble Gun	4 12	90	RW
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		S.S.
617	Drill and Tap Sight Holes		4/23/90	FB
618	Polish Barrel RB		4/24/90	FB
620	Apply Coatings (Barrel Action)		4/30/90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/90	RW
	C) Inspect Ejector Hole for Chamfer		5/1/90	RW
	D) Oil Firing Pin Ass'y		5/1/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/16/90	90/

BARBER - M24 0105655		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	4	4	4			5/17/90	JM
	G) Safety Off Force	3	3	3			5/17/90	JM
	H) Trigger Pull Test & Retainability						5/16/90	JM
	I) Firing Pin Indent	.0225	.0225	.0225			5/17/90	JM
	J) Assemble Stock						5/17/90	RW
	K) Assemble Swivel Studs						25 May 90	JS
	L) Attach Front and Rear Sight Assemblies						5/17/90	RW
	M) Iron Sight Alignment						5/17/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/17/90	RW
	O) Attach Scope to Rifle						5/17/90	JM
	P) Detach & Attach Scope 20 Times						5/17/90	JM
640	Gallery Target & Test						5-17-90	AC
	A) Time						5-17-90	AC
	B) Malfunctions						5-17-90	AC
	C) Pierced Primers						5-17-90	AC
	D) Optical Clarity of Scope						5-17-90	AC
645	Inspect for Live Ammo						5-17-90	AC
655	Final Inspection							
	A) Headspace						25 May 90	JS
	B) Trigger Pull	2.74	2.73	2.83	2.80	2.71	5/21/90	WB
	C) Function						5 May 90	JS
660	Pack						6-9-90	DH

BARBER - M24 0105656

TIME

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349013DATE 5/16/90TESTER JU.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.40	2.34	2.74	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.36	2.40	2.73	
PULL #3	2.21	2.36	2.33	2.83	
PULL #4	2.39	2.32	2.35	2.80	
PULL #5	2.37	2.34	2.36	2.71	
TOTAL	11.74	11.78	11.80		
AVG.	2.348	2.356	2.36		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.34	3.17		
PULL #2	2.44	3.29		
PULL #3	2.38	3.36		
PULL #4	3.35	3.36		
PULL #5	3.37	3.33		
TOTAL	16.88	16.50		
AVG.	3.376	3.3		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.35		4.39
PULL #2	4.34	4.23		4.40
PULL #3	4.38	4.30		4.43
PULL #4	4.38	4.38		4.42
PULL #5	4.39	4.40		4.38
TOTAL	21.76	21.66		22.02
AVG.	4.352	4.332		4.404

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349013
18 May 1990

CENTROIDAL DISTANCES

0 TO	1	.109403
1 TO	2	.414082
1 TO	3	.060407
1 TO	4	.560528
1 TO	5	.141908

4 ²/₃ <----POA

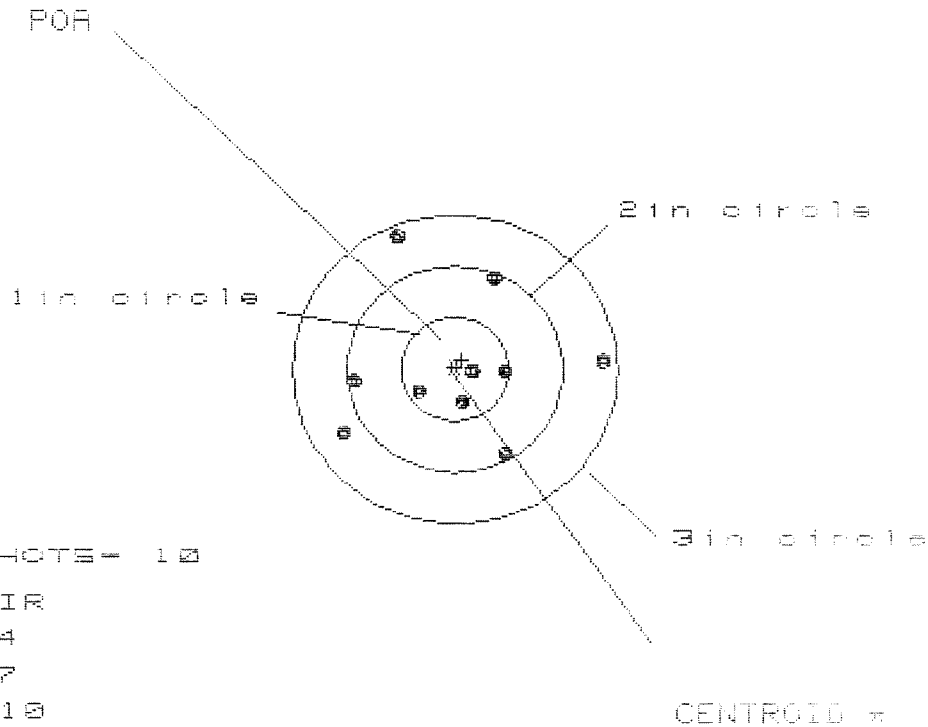
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1884
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0528
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .195659

THE AMR FOR THIS RIFLE IS: .841

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349013

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 2.336

VS= 2.054

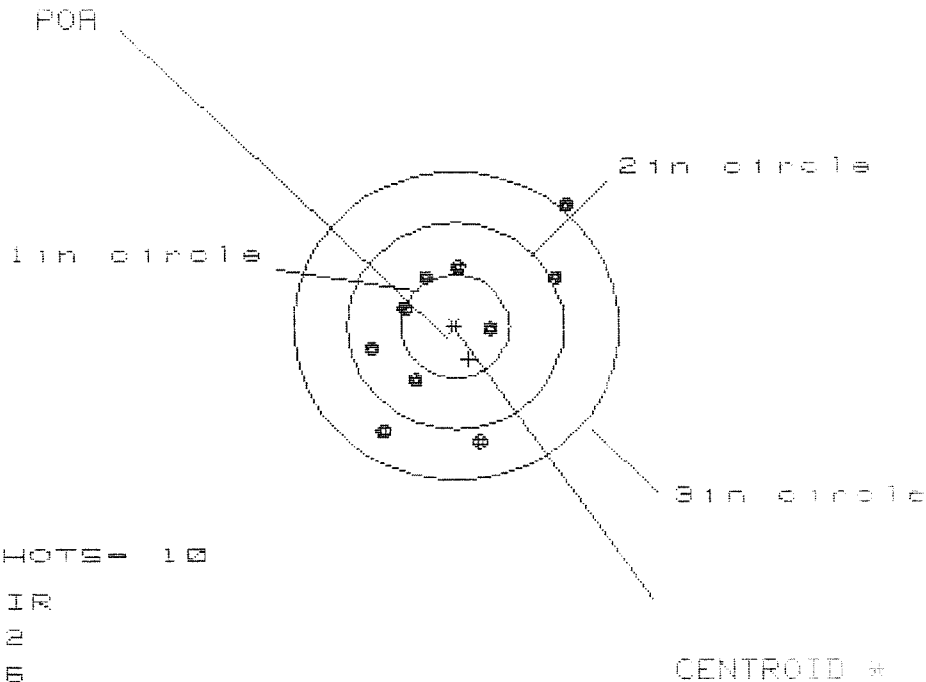
GS= 2.418

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.321	1.257	.539
MINIMUM X	-1.015	-1.079	-.922
MAXIMUM Y	1.238	.976	.998
MINIMUM Y	-.816	-.678	-.656
CENTROID X	-.065	-.001	-.158
CENTROID Y	-.088	-.226	-.248
POA TO CENTROID in.	.109	.226	.295
MIN RADIUS	.177	.182	.244
MEAN RADIUS	.797	.707	.640
MAX RADIUS	1.364	1.270	1.105
HORIZONTAL SPREAD	2.336	2.336	1.461
VERTICAL SPREAD	2.054	1.654	1.654
EXTREME SPREAD	2.418	2.418	1.989
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349013

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.735

VS= 2.234

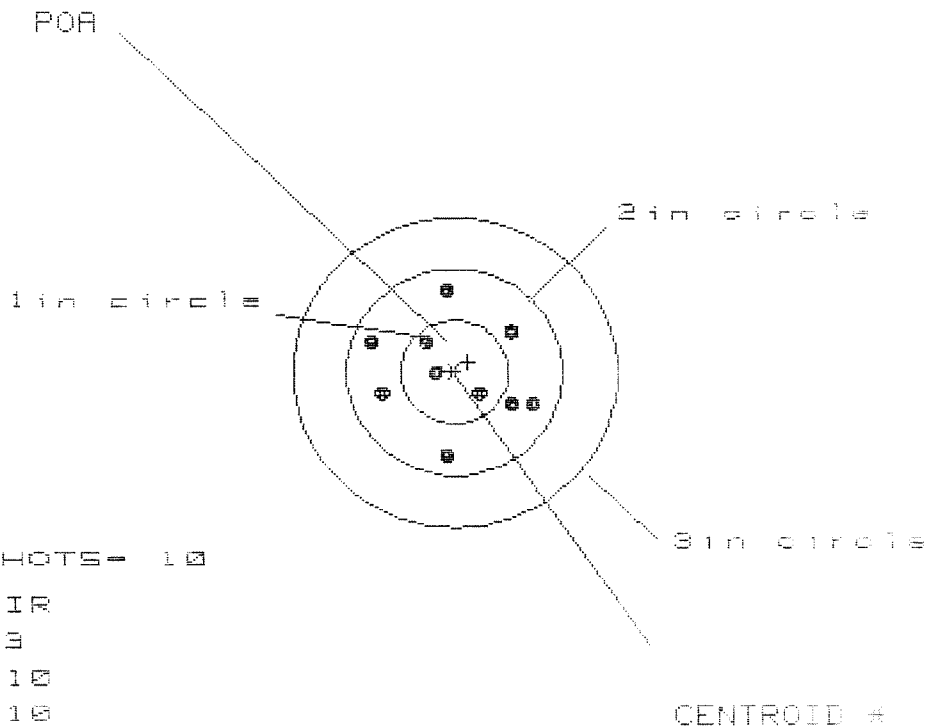
GS= 2.710

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.996	1.038	.964
MINIMUM X	:	-.739	-.628	-.702
MAXIMUM Y	:	1.129	.747	.640
MINIMUM Y	:	-1.105	-.980	-1.087
CENTROID X	:	-.123	-.234	-.160
CENTROID Y	:	.322	.197	.304
POR TO CENTROID in.	:	.345	.305	.344
MIN RADIUS	:	.354	.437	.392
MEAN RADIUS	:	.833	.747	.700
MAX RADIUS	:	1.506	1.205	1.130
HORIZONTAL SPREAD	:	1.735	1.666	1.666
VERTICAL SPREAD	:	2.234	1.727	1.727
EXTREME SPREAD	:	2.710	2.194	1.827
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06345013

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 10

3 in = 10

HS= 1.432

VS= 1.578

GS= 1.579

CENTROID *

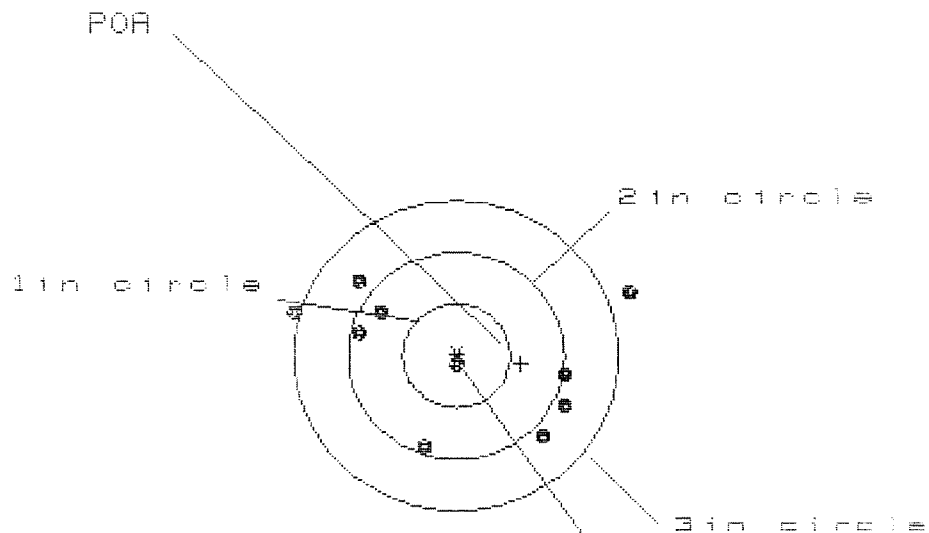
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.701	.620	.598
MINIMUM X	:	-.731	-.786	-.808
MAXIMUM Y	:	.786	.823	.728
MINIMUM Y	:	-.791	-.755	-.381
CENTROID X	:	-.125	-.044	-.022
CENTROID Y	:	-.095	-.131	-.037
POA TO CENTROID in.	:	.157	.138	.043
MIN RADIUS	:	.168	.244	.270
MEAN RADIUS	:	.600	.573	.545
MAX RADIUS	:	.801	.833	.856
HORIZONTAL SPREAD	:	1.432	1.406	1.406
VERTICAL SPREAD	:	1.578	1.578	1.110
EXTREME SPREAD	:	1.579	1.579	1.409
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06345013

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 3.065

VS= 1.571

GS= 3.071

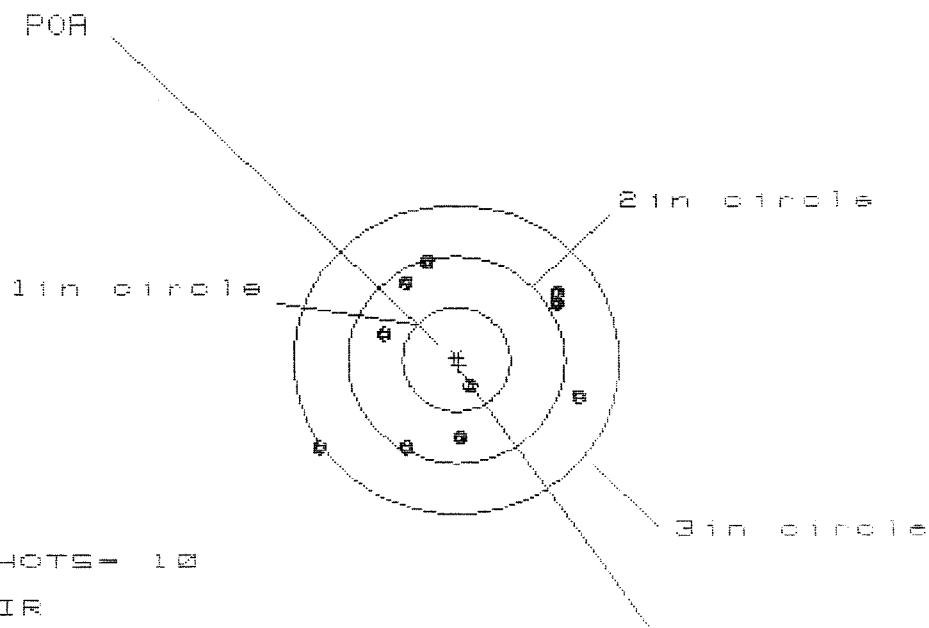
CENTROID *

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.561
MINIMUM X	-1.504
MAXIMUM Y	.689
MINIMUM Y	-.882
CENTROID X	-.601
CENTROID Y	.076
POA TO CENTROID in.	.606
MIN RADIUS	.047
MEAN RADIUS	1.029
MAX RADIUS	1.667
HORIZONTAL SPREAD	3.065
VERTICAL SPREAD	1.571
EXTREME SPREAD	3.071
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349013

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.343

VS= 1.773

GS= 2.620

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.078	.938	.902
MINIMUM X	-1.265	-.852	-.735
MAXIMUM Y	.910	.817	.760
MINIMUM Y	-.863	-.956	-1.012
CENTROID X	-.028	.112	-.005
CENTROID Y	.049	.142	.198
POA TO CENTROID in.	.057	.181	.199
MIN RADIUS	.284	.336	.412
MEAN RADIUS	.946	.876	.848
MAX RADIUS	1.516	1.119	1.114
HORIZONTAL SPREAD	2.343	1.790	1.637
VERTICAL SPREAD	1.773	1.773	1.773
EXTREME SPREAD	2.620	2.004	2.004
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	