

C6522177

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00113016

Serial: C6522177 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 5/31/2006 10:21:16 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: C CO SPT BN SWTG (A) POC JERRY SCREEN

C CO SPT BN SWTG (A) POC JERRY SCREEN

Address 1: ARMAMENT FACILITY BLDG D-1307

ARMAMENT FACILITY BLDG D-1307

Address 2: GRUBER ROAD

PO Box:

GRUBER ROAD

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

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
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

maglet

5/31/2006

10:29 AM

CAPS

NUM

INS

SCRL

start

2 Micros...

2 Micros...

3 Intern...

Arms Ser...

Part Sear...

10:29 AM

Serial Number: C6522177

Model: M24 SWS



RE00113016

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522177.___0
FILE DATE AND TIME: 06/30/2006 18:10

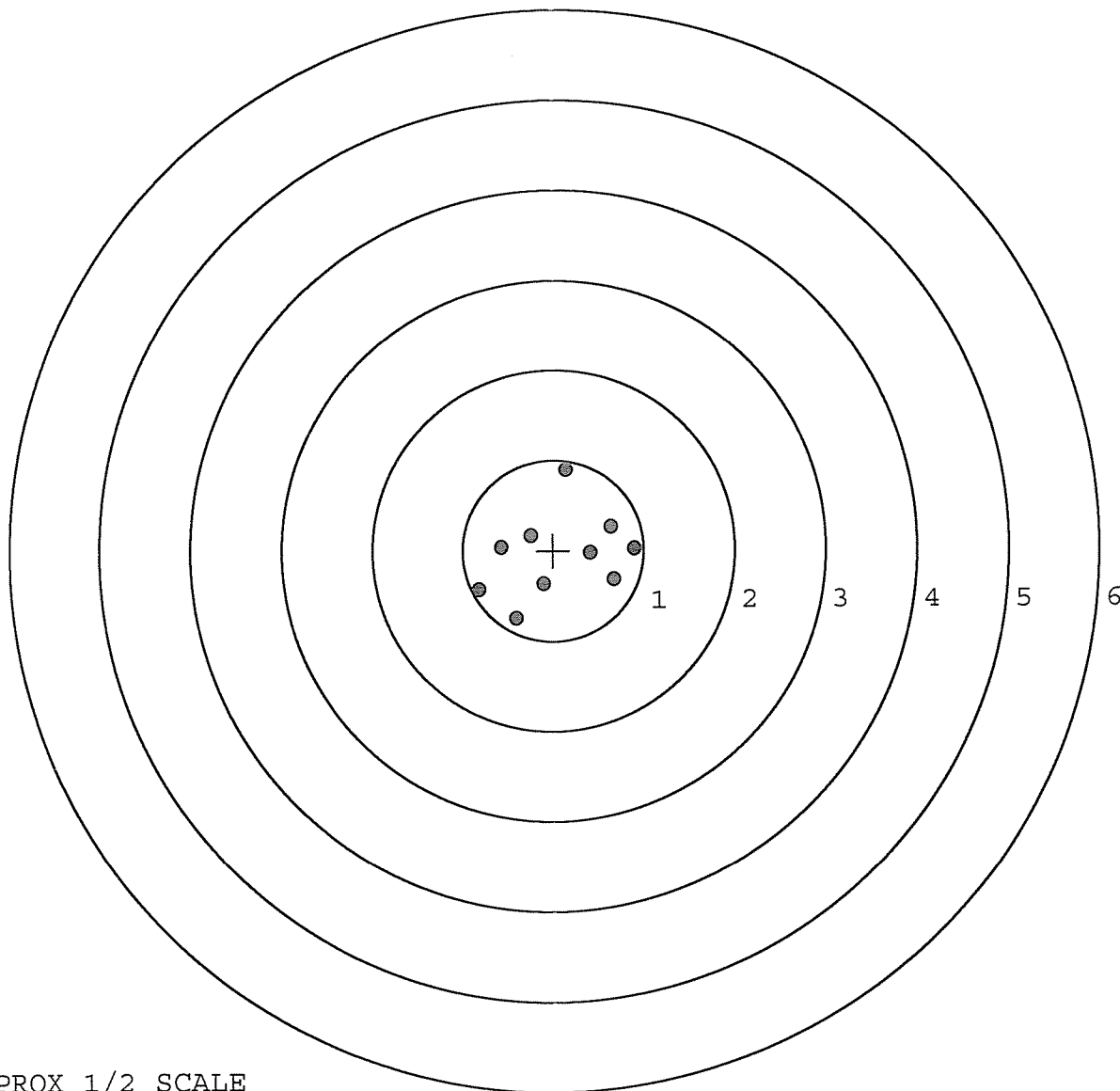
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.049
The Average Y Centroid of the Five Target Set:	-0.056
The Average Point of Impact of the Five Target Set:	0.074
The Average Mean Radius of the Five Target Set:	0.527
The Distance from POA to Centroid Target #1:	0.079
The Distance from Centroid Target #2 to Centroid Target #1:	0.088
The Distance from Centroid Target #3 to Centroid Target #1:	0.266
The Distance from Centroid Target #4 to Centroid Target #1:	0.216
The Distance from Centroid Target #5 to Centroid Target #1:	0.121

SERIAL NUMBER: C6522177. __0
 TARGET NUMBER: 1
 FILE DATE: 06/30/2006
 FILE TIME: 18:10

X CENTROID: 0.058
 Y CENTROID: -0.053
 POA TO CENTROID: 0.079
 HORZ SPREAD: 1.716
 VERT SPREAD: 1.637
 GROUP SPREAD: 1.772
 MIN RADIUS: 0.354
 MAX RADIUS: 0.955
 MEAN RADIUS: 0.663
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.821	-0.427
2:	-0.411	-0.747
3:	-0.111	-0.372
4:	-0.249	0.162
5:	-0.577	0.039
6:	0.144	0.890
7:	0.635	0.255
8:	0.895	0.016
9:	0.667	-0.320
10:	0.411	-0.028

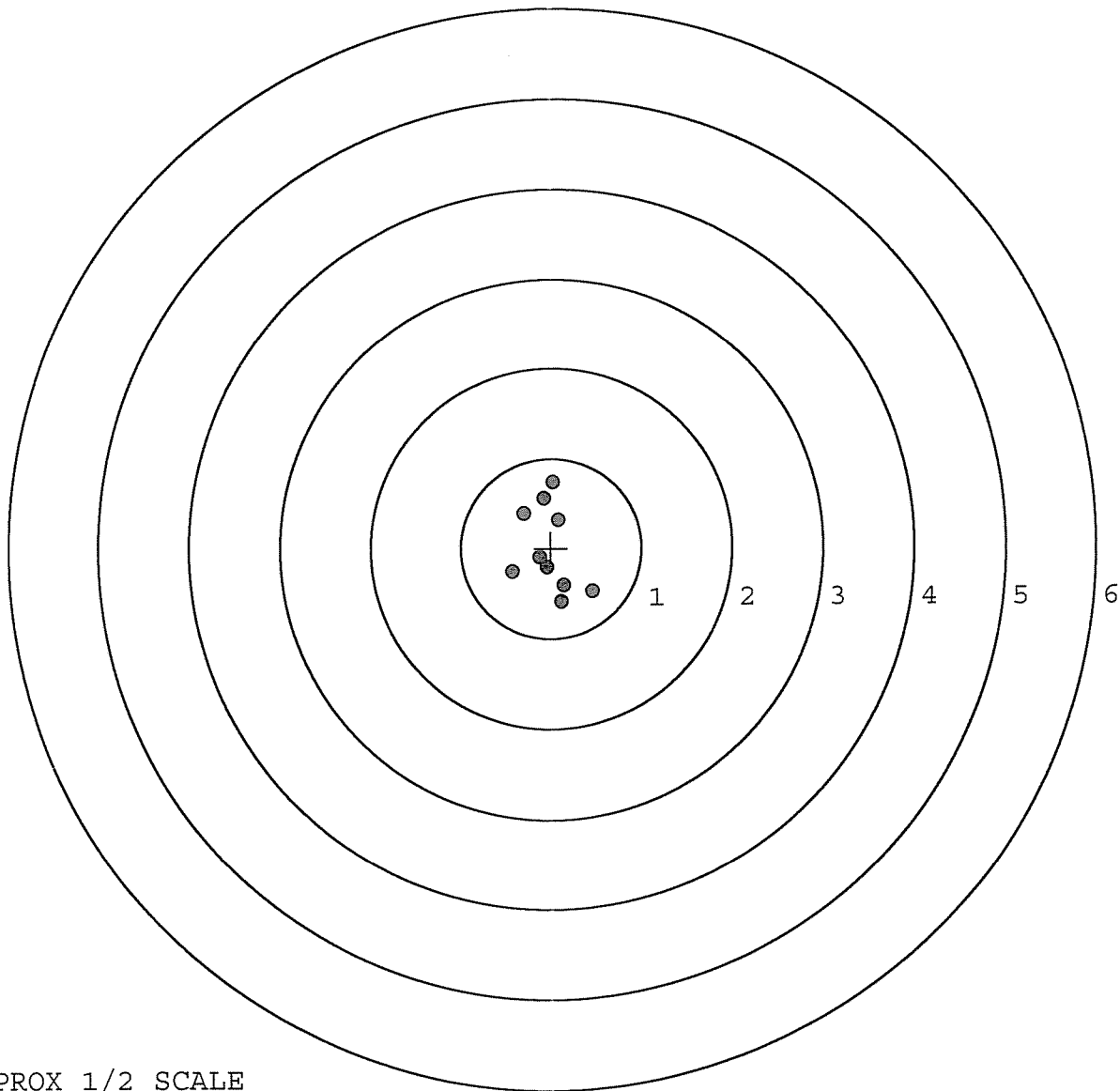


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522177. __0
 TARGET NUMBER: 2
 FILE DATE: 06/30/2006
 FILE TIME: 18:10

POINT#	X	Y
1:	-0.306	0.389
2:	0.023	0.739
3:	0.082	0.318
4:	-0.132	-0.105
5:	-0.427	-0.263
6:	0.140	-0.420
7:	0.119	-0.598
8:	0.458	-0.484
9:	-0.082	0.558
10:	-0.049	-0.220

X CENTROID: -0.017
 Y CENTROID: -0.009
 POA TO CENTROID: 0.019
 HORZ SPREAD: 0.885
 VERT SPREAD: 1.337
 GROUP SPREAD: 1.340
 MIN RADIUS: 0.150
 MAX RADIUS: 0.749
 MEAN RADIUS: 0.472
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

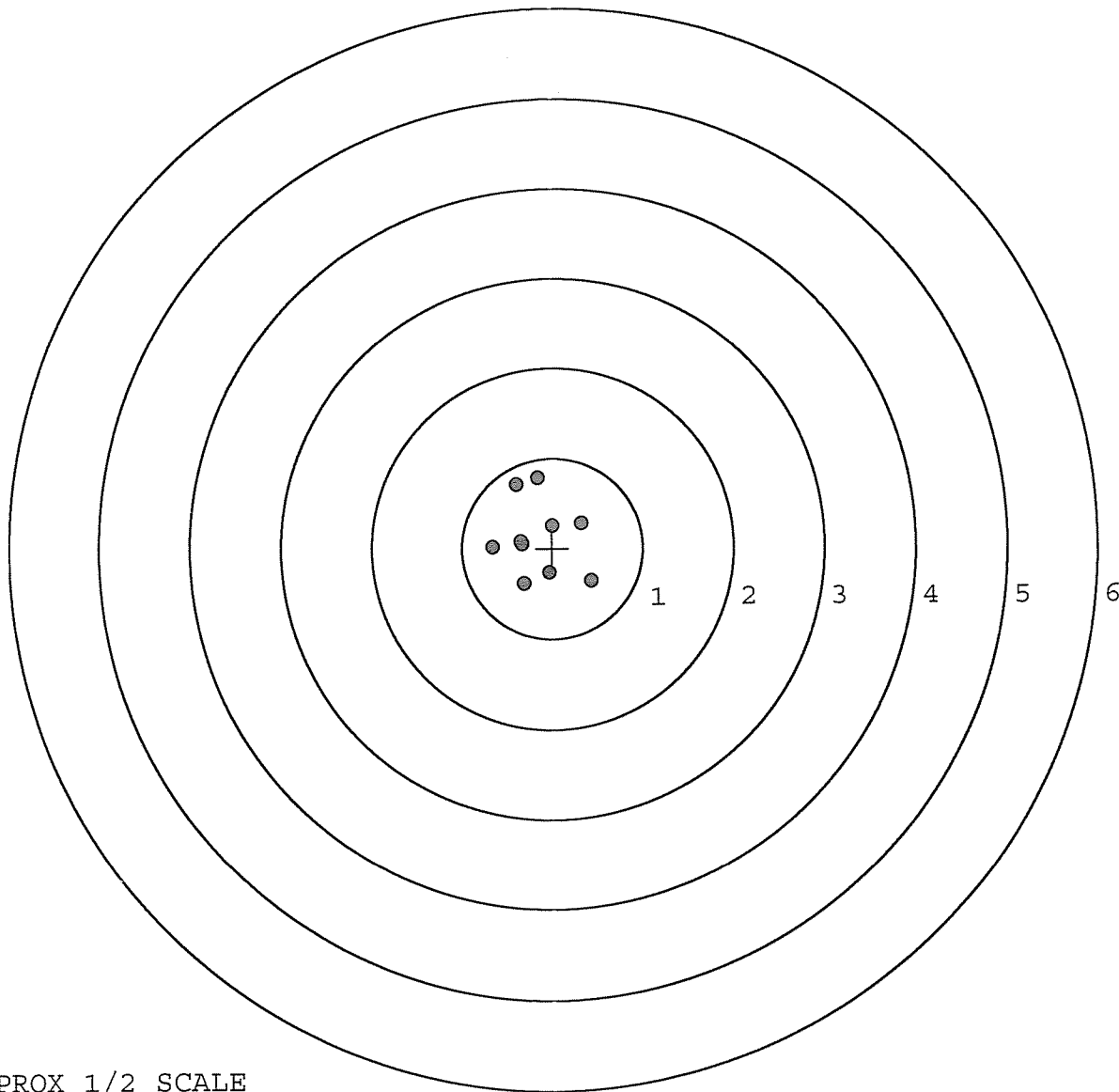


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522177. __0
 TARGET NUMBER: 3
 FILE DATE: 06/30/2006
 FILE TIME: 18:10

POINT#	X	Y
1:	-0.163	0.785
2:	-0.394	0.712
3:	0.325	0.279
4:	0.002	0.252
5:	-0.348	0.078
6:	-0.665	0.014
7:	-0.035	-0.279
8:	-0.317	-0.396
9:	0.428	-0.369
10:	-0.335	0.049

X CENTROID: -0.150
 Y CENTROID: 0.112
 POA TO CENTROID: 0.188
 HORZ SPREAD: 1.093
 VERT SPREAD: 1.181
 GROUP SPREAD: 1.358
 MIN RADIUS: 0.195
 MAX RADIUS: 0.752
 MEAN RADIUS: 0.465
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

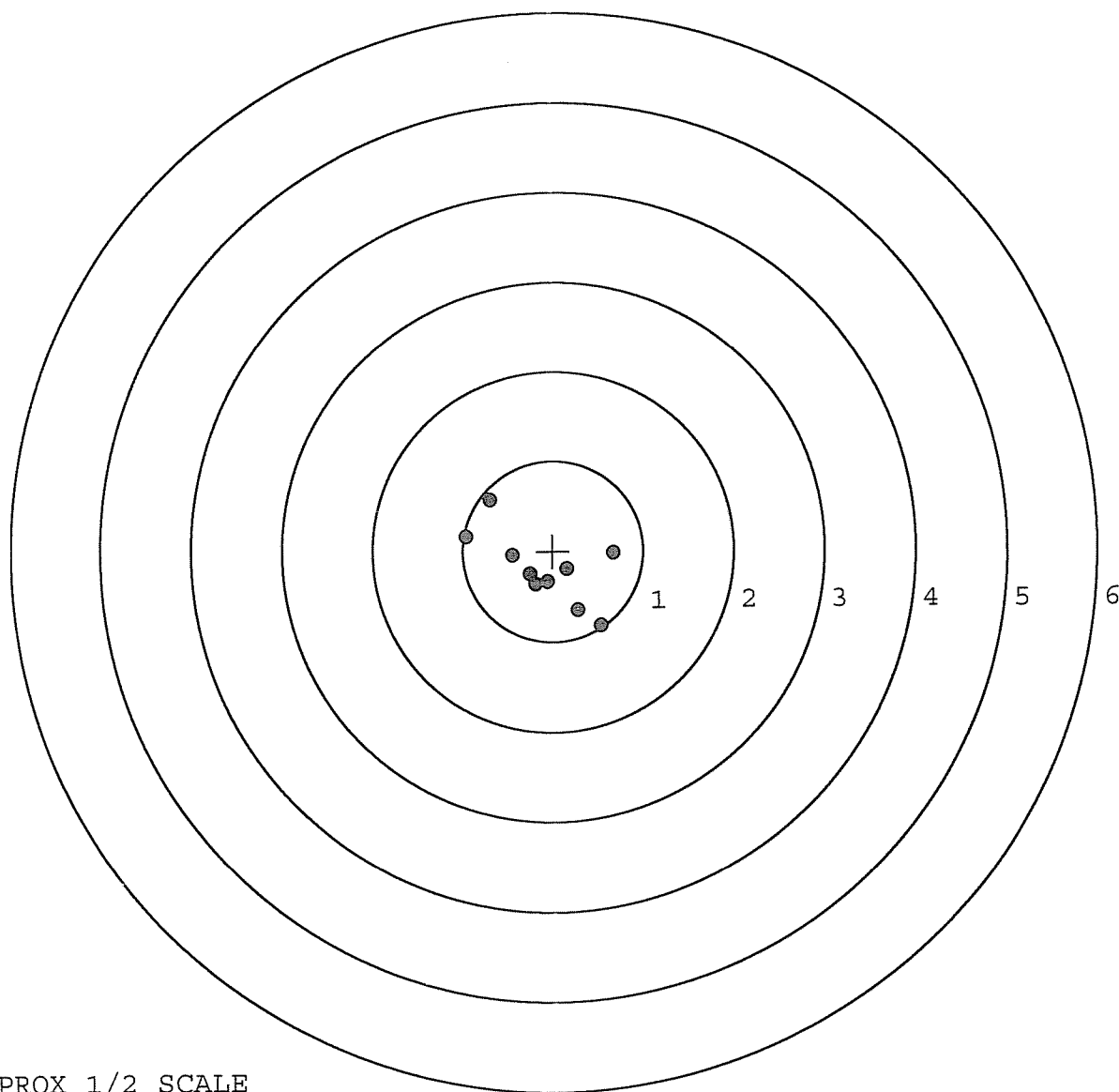


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522177. __0
TARGET NUMBER: 4
FILE DATE: 06/30/2006
FILE TIME: 18:10

X CENTROID: -0.099
Y CENTROID: -0.201
POA TO CENTROID: 0.224
HORZ SPREAD: 1.637
VERT SPREAD: 1.395
GROUP SPREAD: 1.858
MIN RADIUS: 0.146
MAX RADIUS: 0.974
MEAN RADIUS: 0.533
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.696	0.568
2:	-0.966	0.166
3:	0.671	-0.030
4:	0.531	-0.827
5:	0.277	-0.660
6:	0.159	-0.204
7:	-0.063	-0.343
8:	-0.256	-0.259
9:	-0.449	-0.053
10:	-0.197	-0.369

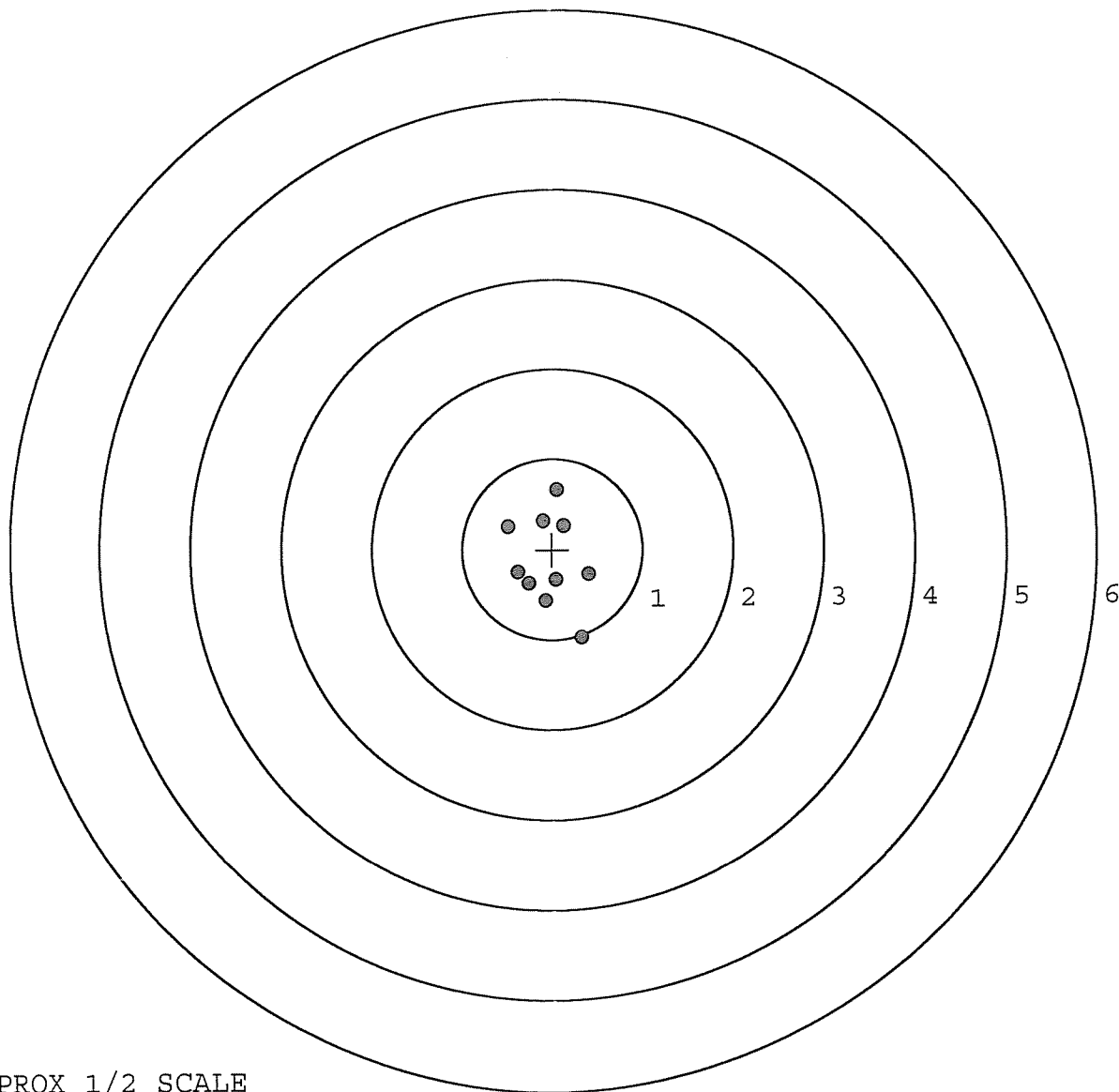


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522177. __0
TARGET NUMBER: 5
FILE DATE: 06/30/2006
FILE TIME: 18:10

POINT#	X	Y
1:	0.321	-0.984
2:	0.402	-0.277
3:	0.044	-0.334
4:	-0.077	-0.568
5:	-0.261	-0.379
6:	-0.380	-0.247
7:	-0.489	0.256
8:	0.127	0.261
9:	0.056	0.657
10:	-0.100	0.319

X CENTROID: -0.036
Y CENTROID: -0.130
POA TO CENTROID: 0.134
HORZ SPREAD: 0.891
VERT SPREAD: 1.641
GROUP SPREAD: 1.662
MIN RADIUS: 0.219
MAX RADIUS: 0.926
MEAN RADIUS: 0.501
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

INSPECTION CHECKLIST - REPAIRS

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

R & E NUMBER	113016		
SERIAL NUMBER	C6522177		
LOG-IN DATE	5-30-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-16-06	RTZ
505	RE-BARREL	6-20-06	RTZ
420	ASSEMBLE	6-20-06	RTZ
440	PROOF	6-20-06	TRW
460	CHECK HEADSPACE	6-20-06	TRW
470	DIS-ASSEMBLE GUN	6-21-06	RTZ
480	MAGNAFLUX	6-23-06	unm
510	DRILL AND TAP	6-22-06	TRW
500	ROLLMARK CALIBER	6-22-06	CW
520	GOFF BLAST BBL / REC	6-23-06	IB
530 & 540	APPLY COATINGS	6-25-06	TRB
560	FINAL ASSEMBLY	6-29-06	RTZ
640	FUNCTION TEST AND	6-30-06	MTM
650	TARGET	6-30-06	MTM
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	N/A
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	7-7-06	A
	A) HEADSPACE	7-7-06	A
	B) TRIGGER PULL	N/A	A
680	F) SAFETY ON FORCE	6 lbs 6 lbs 6 lbs	A
	G) SAFETY OFF FORCE	3 lbs 3 lbs 3 lbs	A
	I) FIRING PIN INDENT	.022 .022 .022	A
690	PACK	8-4-06	NA

F006 REV 5/2006

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
SPECSCOMMENTS:

F006 REV 5/2006

Remington[®]



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

MODEL 700TM M24

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

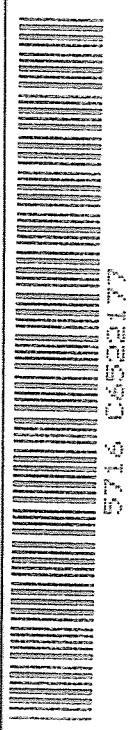
01

SERIAL NO.

C6522177

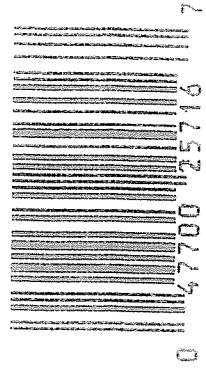
ORDER NO.

5716



5716 C6522177

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522177

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/10/90	KJ
600	Proof		7/10/90	KJ
607	Check Headspace		7/10/90	KJ
610	Dis-assemble Gun		7/10/90	KJ
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	LS
617	Drill and Tap Sight Holes		7/23/90	LS
618	Polish Barrel RB		7/24/90	WJ
620	Apply Coatings (Barrel Action)		8/6/90	JK
	Apply Coating (Bolt)			JK
625	Final Assembly A) Clean inside of Bolt Assembly		8/15/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/15/90	KS
	C) Inspect Ejector Hole for Chamfer		8/15/90	KS
	D) Oil Firing Pin Ass'y		8/15/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/14/90	JH
	G) Safety Off Force	3	3	3			8/14/90	JH
	H) Trigger Pull Test & Retainability						9/16/90	JH
	I) Firing Pin Indent	.022	.0215	.0215			8/14/90	JH
	J) Assemble Stock						8/16/90	KS
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						8/16/90	KS
	M) Iron Sight Alignment						8/16/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/16/90	KS
	O) Attach Scope to Rifle						8/16/90	KS
	P) Detach & Attach Scope 20 Times						8/16/90	KS
640	Gallery Target & Test						8-17-90	A
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						8-17-90	A
655	Final Inspection							
	A) Headspace						9/16/90	JH
	B) Trigger Pull	2.35	2.32	2.40	2.34	2.35	9-16-90	JH
	C) Function						9/16/90	JH
660	Pack						9/20/90	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522358DATE 9-16-90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.60	2.28	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.53	2.38	2.32	
PULL #3	2.27	2.20	2.54	2.40	
PULL #4	2.28	2.07	2.55	2.34	
PULL #5	2.04	2.45	2.25	2.35	
TOTAL	11.64	11.85	12.00	11.76	
AVG.	2.328	2.37	2.4	2.352	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.14		
PULL #2	3.10	3.11		
PULL #3	3.15	3.30		
PULL #4	3.18	3.10		
PULL #5	3.12	3.26		
TOTAL	15.74	15.91		
AVG.	3.148	3.182		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.20		4.18
PULL #2	4.13	4.21		4.18
PULL #3	4.14	4.14		4.18
PULL #4	4.17	4.10		4.16
PULL #5	4.25	4.22		4.20
TOTAL	20.86	20.87		20.90
AVG.	4.172	4.174		4.18

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522177
17 Aug 1990

CENTROIDAL DISTANCES

0 TO 1	.10458
1 TO 2	.110463
1 TO 3	.308318
1 TO 4	.0782304
1 TO 5	.165979

0
1
2
3
4
5

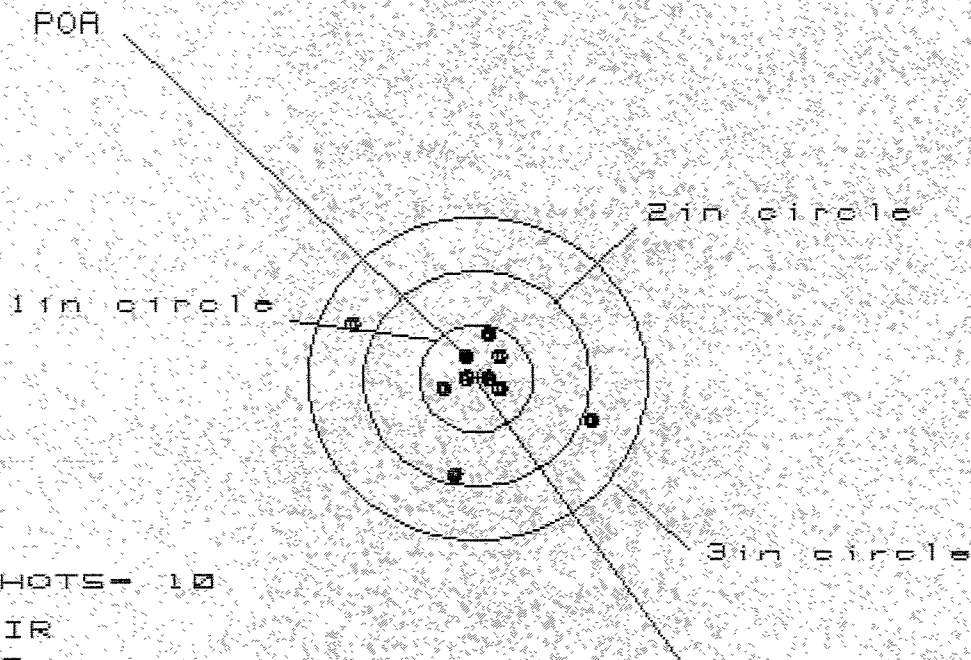
-----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.089
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .053
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .103586
THE AMR FOR THIS RIFLE IS: .7952

17 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522177

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 7

2in = 8

3in = 10

HS= 2.088

VS= 1.457

GS= 2.271

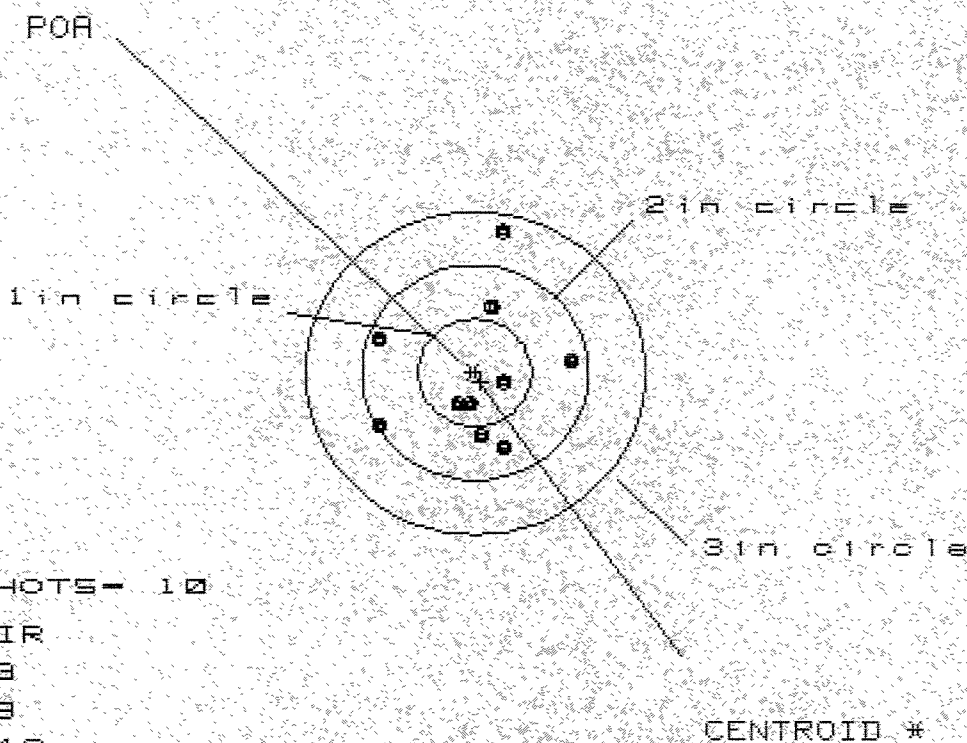
CENTROID #

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.013	.894	.228
MINIMUM X	-1.075	-.415	-.303
MAXIMUM Y	.525	.497	.459
MINIMUM Y	-.932	-.874	-.912
CENTROID X	-.104	.015	-.097
CENTROID Y	-.011	-.069	-.031
POA TO CENTROID in.	.105	.071	.101
MIN RADIUS	.067	.087	.087
MEAN RADIUS	.494	.421	.337
MAX RADIUS	1.196	.946	.926
HORIZONTAL SPREAD	2.088	1.309	.531
VERTICAL SPREAD	1.457	1.371	1.371
EXTREME SPREAD	2.271	1.388	1.388
NUMBER IN ONE INCH CIRCLE	= 7		
NUMBER IN TWO INCH CIRCLE	= 8		
NUMBER IN THREE INCH CIRCLE	= 10		

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522177

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 9

3in = 10

HS= 1.706

VS= 2.072

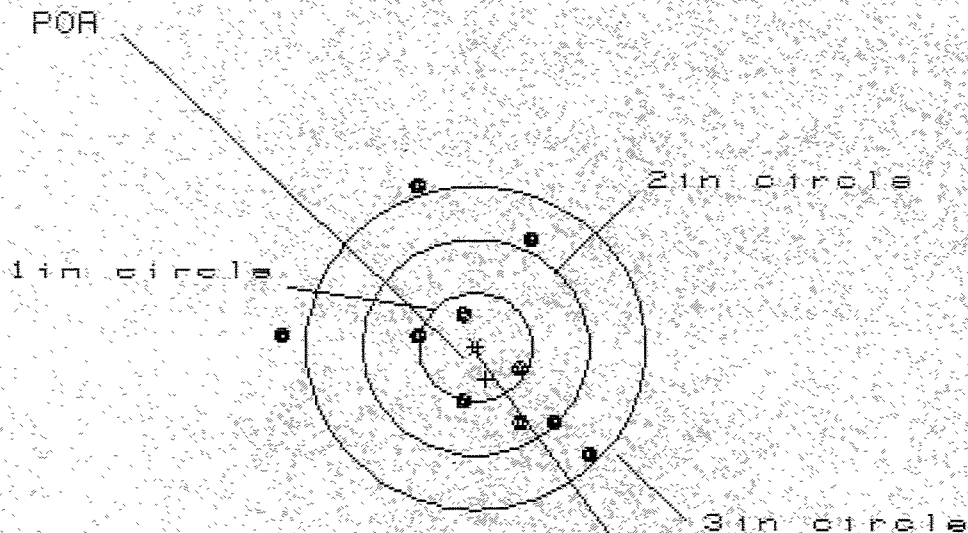
GS= 2.173

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.846
MINIMUM X	:	-.860
MAXIMUM Y	:	1.344
MINIMUM Y	:	-.728
CENTROID X	:	-.055
CENTROID Y	:	.088
POA TO CENTROID in.	:	.103
MIN RADIUS	:	.252
MEAN RADIUS	:	.694
MAX RADIUS	:	1.374
HORIZONTAL SPREAD	:	1.706
VERTICAL SPREAD	:	2.072
EXTREME SPREAD	:	2.173
NUMBER IN ONE INCH CIRCLE	=	3
NUMBER IN TWO INCH CIRCLE	=	9
NUMBER IN THREE INCH CIRCLE	=	10

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522177

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.712

VS = 2.419

GS = 2.917

CENTROID #

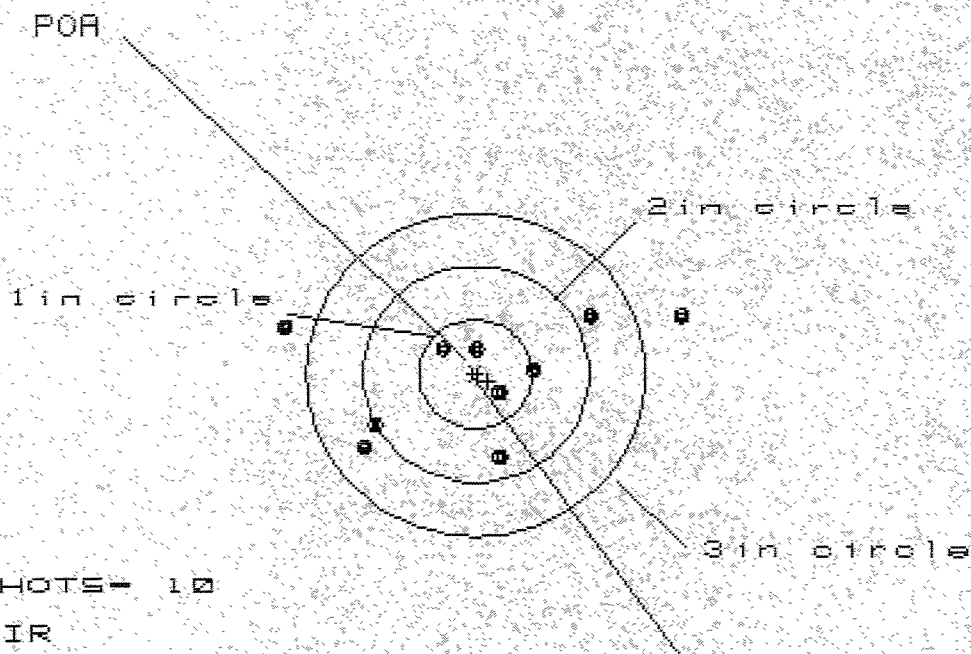
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.007
MINIMUM X	-1.705
MAXIMUM Y	1.463
MINIMUM Y	-0.956
CENTROID X	-0.090
CENTROID Y	0.297
POA TO CENTROID in.	0.310
MIN RADIUS	0.351
MEAN RADIUS	0.933
MAX RADIUS	1.709
HORIZONTAL SPREAD	2.712
VERTICAL SPREAD	2.419
EXTREME SPREAD	2.917
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

17 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522177

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 3.506

VS= 1.335

GS= 3.506

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.788	1.255	1.065
MINIMUM X	-1.718	-1.519	-1.016
MAXIMUM Y	.537	.591	.652
MINIMUM Y	-.798	-.744	-.683
CENTROID X	-.110	-.309	-.119
CENTROID Y	.067	.013	-.048
POA TO CENTROID in.	.129	.309	.129
MIN RADIUS	.271	.256	.267
MEAN RADIUS	.922	.827	.705
MAX RADIUS	1.853	1.595	1.249
HORIZONTAL SPREAD	3.506	2.774	2.081
VERTICAL SPREAD	1.335	1.335	1.335
EXTREME SPREAD	3.506	2.776	2.389
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

17 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522177

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 3.233

VS= 1.718

GS= 3.293

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.639	.729	.552
MINIMUM X	-1.595	-1.412	-.979
MAXIMUM Y	.740	.663	.644
MINIMUM Y	-.978	-1.055	-1.074
CENTROID X	-.086	-.269	-.092
CENTROID Y	-.176	-.099	-.080
POA TO CENTROID in.	.196	.286	.122
MIN RADIUS	.359	.231	.278
MEAN RADIUS	.933	.827	.718
MAX RADIUS	1.780	1.420	1.097
HORIZONTAL SPREAD	3.233	2.141	1.531
VERTICAL SPREAD	1.718	1.718	1.718
EXTREME SPREAD	3.293	2.268	1.830
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		