

C6225376

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00141564

Serial: C6225376 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/21/1989

Repairman:

Status: Closed 2/12/2008 7:33:34 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEPARTMENT OF THE ARMY

DEPARTMENT OF THE ARMY

Address 1: B CO 3RD BN 1ST SP FORCES GROUP

B CO 3RD BN 1ST SP FORCES GROUP

Address 2: PO Box:

PO Box:

City: FORT LEWIS

FORT LEWIS

State: WA Zip Code: 98433

Country: US

State: WA Zip Code: 98433

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	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

2/13/2008

8:57 AM

CAPS

NUM



Serial Number:

C6225376

Model: M24 SWS



RE00141564

R & E NUMBER 00141564SERIAL NUMBER C6225376LOG-IN DATE 2-12-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	2-20-08	R.P.D.
505	RE-BARREL	2-20-08	R.P.D.
560	ASSEMBLE	2-20-08	R.P.D.
600	PROOF	2-20-08	TRW
605	CHECK HEADSPACE	2-20-08	TRW
610	DIS-ASSEMBLE GUN	3-12-08	RTZ
612	MAGNAFLUX	3/14/08	amw
510	DRILL AND TAP	3-12-08	Fm
615	ROLLMARK CALIBER	3-13-08	CW
618	ROTO-BLAST	3-14-08	DG
620	APPLY COATINGS	3-16-08	HP
625	FINAL ASSEMBLY	3-28-08	R.P.D.
640	FUNCTION TEST AND	3-31-08	TRW
650	TARGET	3-31-08	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	3-31-08	RP
	A) HEADSPACE	4-2-08	Fm
		4/2/08	Fm
	B) TRIGGER PULL	2.70 2.71 2.56 2.76 2.63 4/2/08	Fm
680	F) SAFETY ON FORCE	6.5 6.5 7- 4/2/08	Fm
	G) SAFETY OFF FORCE	4- 4.5 4.5 4/2/08	Fm
	I) FIRING PIN INDENT	.021 .022 .022 4/2/08	Fm
690	PACK		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225376.___0
FILE DATE AND TIME: 04/01/2008 06:10

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.033
The Average Y Centroid of the Five Target Set:	-0.094
The Average Point of Impact of the Five Target Set:	0.100
The Average Mean Radius of the Five Target Set:	0.548
The Distance from POA to Centroid Target #1:	0.101
The Distance from Centroid Target #2 to Centroid Target #1:	0.217
The Distance from Centroid Target #3 to Centroid Target #1:	0.281
The Distance from Centroid Target #4 to Centroid Target #1:	0.166
The Distance from Centroid Target #5 to Centroid Target #1:	0.227

BARBER - M24 0013940

SERIAL NUMBER: C6225376. __0

TARGET NUMBER: 1

FILE DATE: 04/01/2008

FILE TIME: 06:10

POINT#	X	Y
1:	-0.240	-1.360
2:	0.602	-0.257
3:	-0.071	-0.171
4:	-0.517	-0.353
5:	-0.529	0.409
6:	-0.459	0.111
7:	-0.166	0.276
8:	0.054	0.302
9:	0.145	0.434
10:	0.198	0.836

X CENTROID: -0.098

Y CENTROID: 0.023

POA TO CENTROID: 0.101

HORZ SPREAD: 1.131

VERT SPREAD: 2.196

GROUP SPREAD: 2.239

MIN RADIUS: 0.196

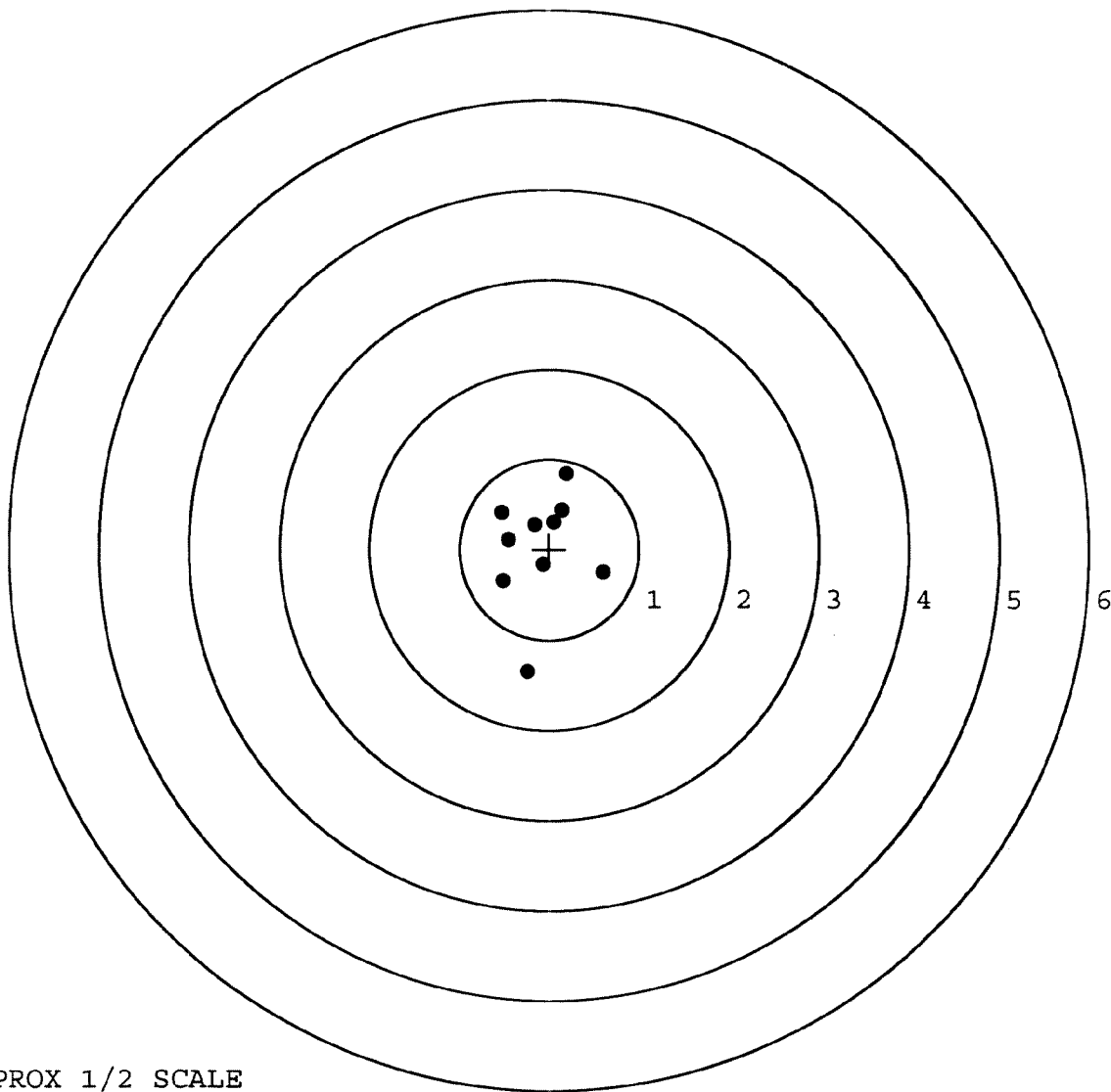
MAX RADIUS: 1.390

MEAN RADIUS: 0.578

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0013941

SERIAL NUMBER: C6225376. __0

TARGET NUMBER: 2

FILE DATE: 04/01/2008

FILE TIME: 06:10

POINT#	X	Y
1:	0.419	0.455
2:	0.500	0.286
3:	0.271	-0.036
4:	0.154	-0.108
5:	-0.216	-0.454
6:	-0.435	-0.121
7:	-0.085	0.308
8:	0.172	0.237
9:	-0.057	-1.586
10:	-0.118	-0.232

X CENTROID: 0.060

Y CENTROID: -0.125

POA TO CENTROID: 0.139

HORZ SPREAD: 0.935

VERT SPREAD: 2.041

GROUP SPREAD: 2.096

MIN RADIUS: 0.095

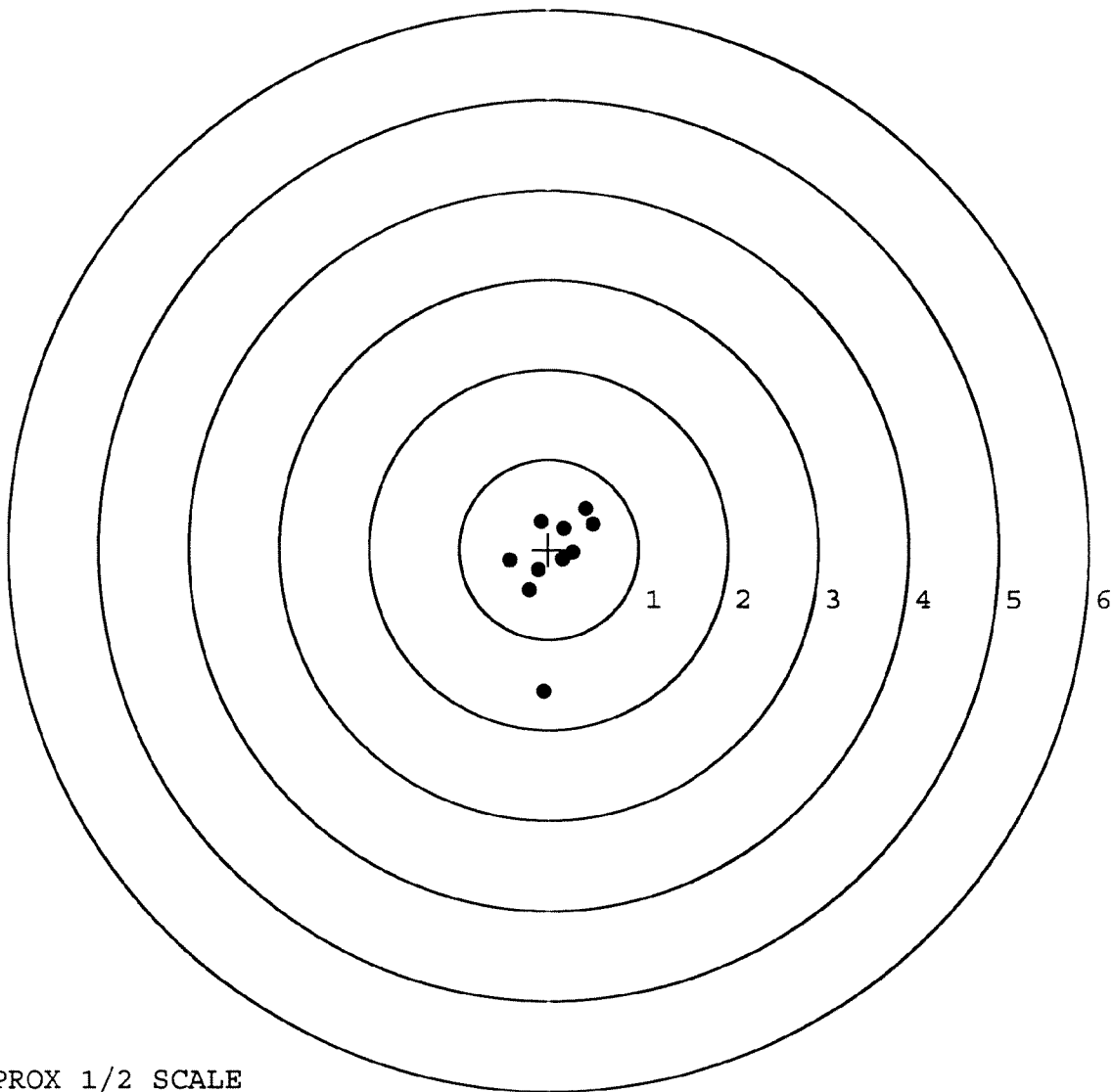
MAX RADIUS: 1.466

MEAN RADIUS: 0.504

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0013942

SERIAL NUMBER: C6225376. __0

TARGET NUMBER: 3

FILE DATE: 04/01/2008

FILE TIME: 06:10

POINT#	X	Y
1:	-0.424	0.269
2:	-0.563	-0.104
3:	-0.444	-0.472
4:	0.234	-0.868
5:	0.966	0.404
6:	0.528	-0.057
7:	0.267	-0.289
8:	0.055	-0.438
9:	0.221	-0.220
10:	0.128	-0.024

X CENTROID: 0.097

Y CENTROID: -0.180

POA TO CENTROID: 0.204

HORZ SPREAD: 1.529

VERT SPREAD: 1.272

GROUP SPREAD: 1.660

MIN RADIUS: 0.131

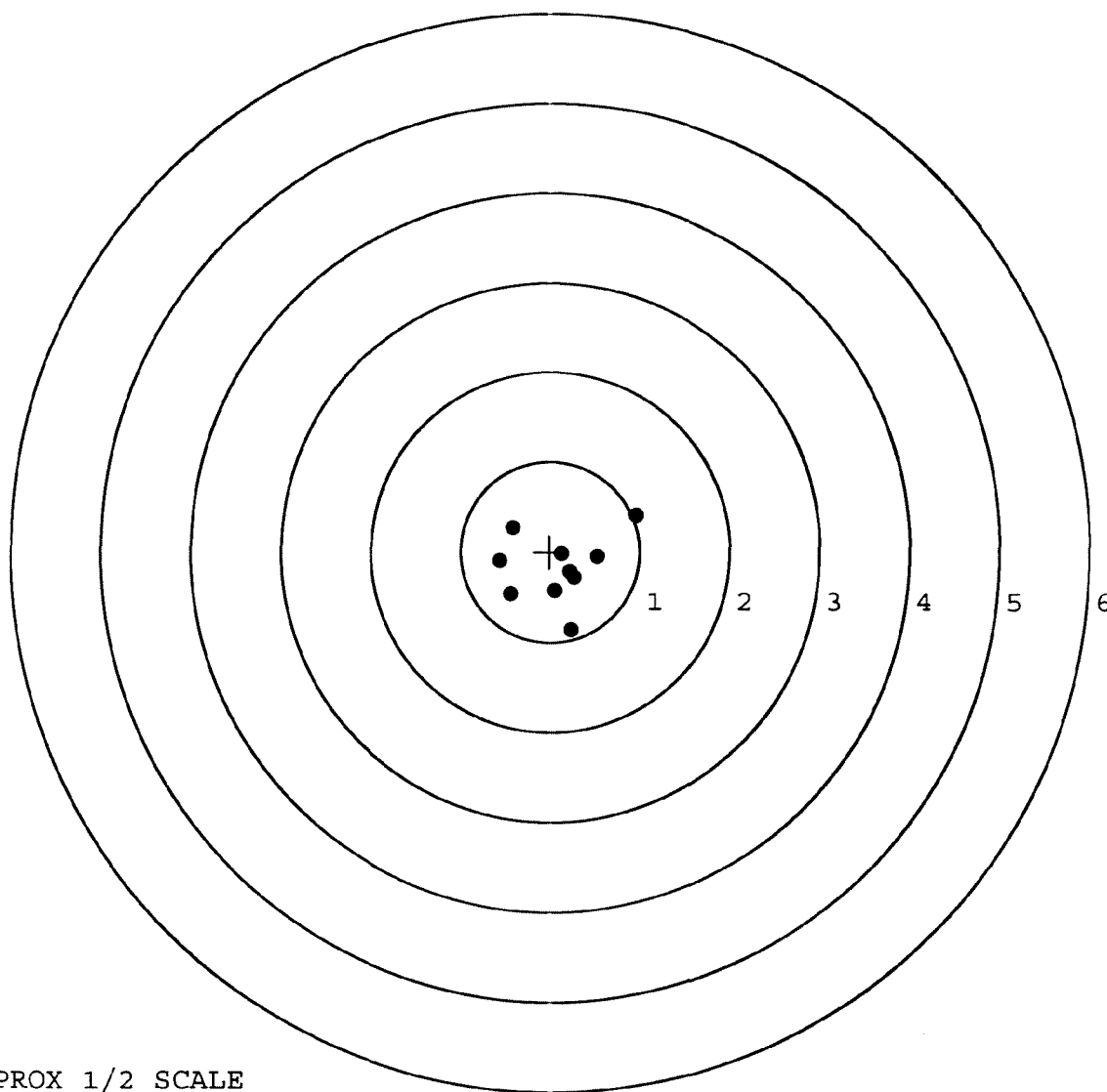
MAX RADIUS: 1.047

MEAN RADIUS: 0.492

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0013943

SERIAL NUMBER: C6225376. __0

TARGET NUMBER: 4

FILE DATE: 04/01/2008

FILE TIME: 06:10

POINT#	X	Y
1:	-0.003	-1.006
2:	-0.023	-0.680
3:	-1.054	0.116
4:	-0.381	0.274
5:	-0.020	0.265
6:	0.103	0.984
7:	0.264	0.160
8:	0.736	-0.116
9:	0.253	-0.188
10:	0.163	-0.890

X CENTROID: 0.004

Y CENTROID: -0.108

POA TO CENTROID: 0.108

HORZ SPREAD: 1.790

VERT SPREAD: 1.990

GROUP SPREAD: 1.993

MIN RADIUS: 0.262

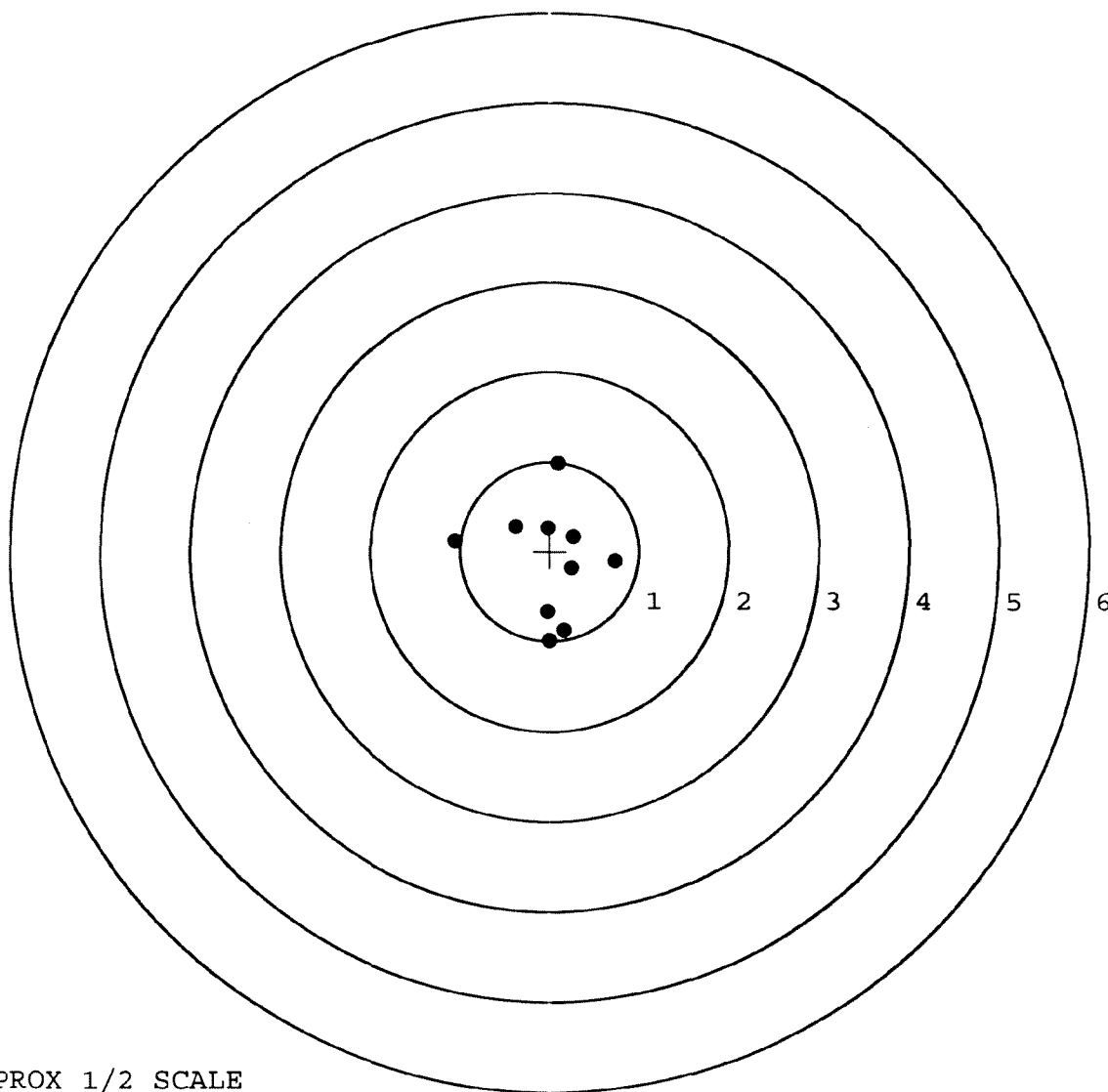
MAX RADIUS: 1.097

MEAN RADIUS: 0.673

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0013944

SERIAL NUMBER: C6225376. __0

TARGET NUMBER: 5

FILE DATE: 04/01/2008

FILE TIME: 06:10

POINT#	X	Y
1:	0.420	0.409
2:	-0.005	0.823
3:	-0.259	0.347
4:	0.640	-0.171
5:	0.024	-1.040
6:	0.213	-0.476
7:	0.302	-0.168
8:	0.033	-0.020
9:	-0.290	-0.204
10:	-0.037	-0.306

X CENTROID: 0.104

Y CENTROID: -0.081

POA TO CENTROID: 0.132

HORZ SPREAD: 0.930

VERT SPREAD: 1.863

GROUP SPREAD: 1.863

MIN RADIUS: 0.093

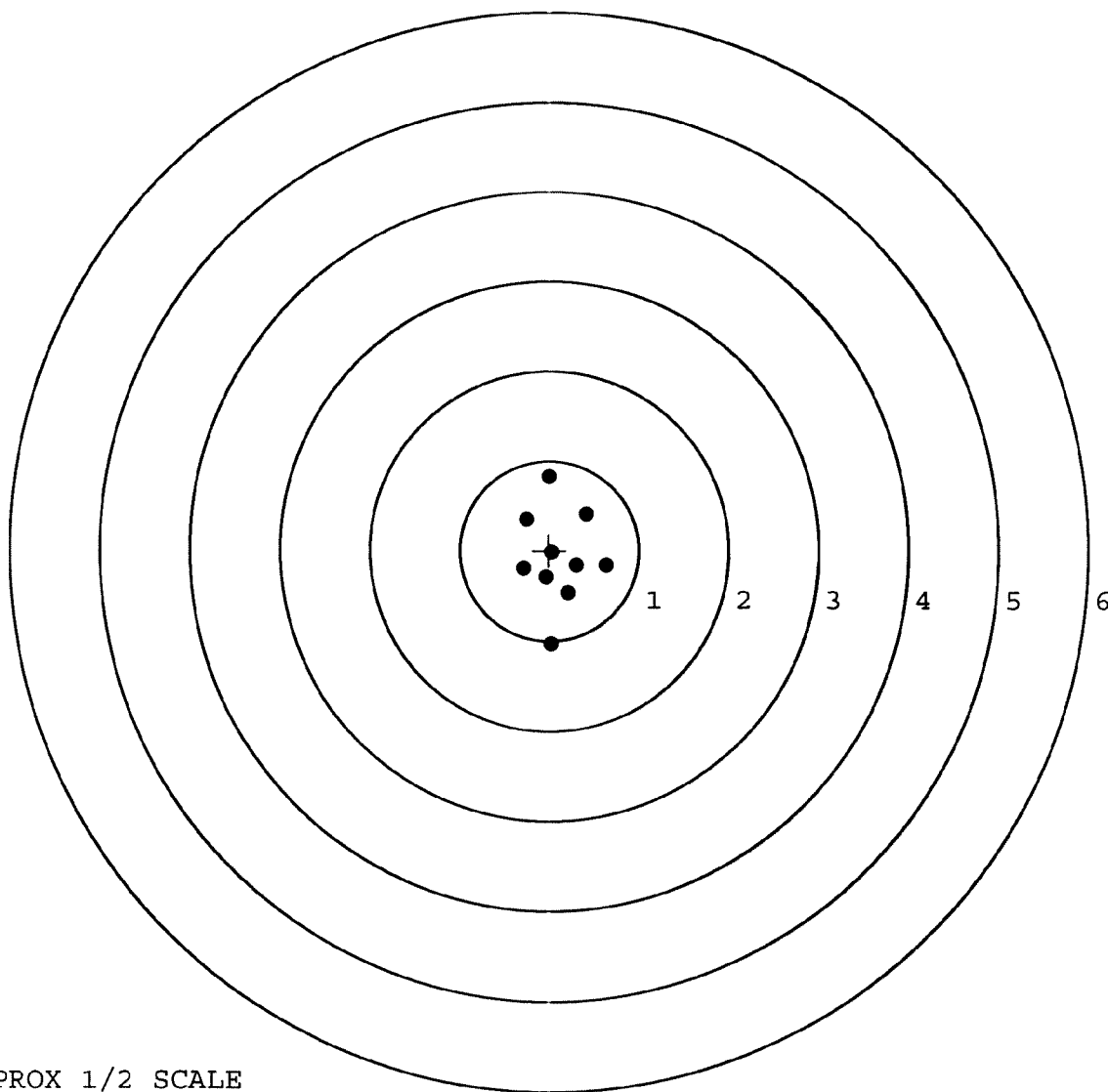
MAX RADIUS: 0.963

MEAN RADIUS: 0.496

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Closed 2/26/2003 11:49:39 AM

Country: US

FFL:

Code	Desc	Qty
A007	With Stud	1
A017	Scope Base	1
X	FRT & REAR SGT BA	1

Close

SCAL

Serial Number:

C6225376

Model: 700



RE00062255

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225376.___0
FILE DATE AND TIME: 03/21/2003 15:26

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.086
The Average Y Centroid of the Five Target Set:	-0.132
The Average Point of Impact of the Five Target Set:	0.157
The Average Mean Radius of the Five Target Set:	0.563
The Distance from POA to Centroid Target #1:	0.120
The Distance from Centroid Target #2 to Centroid Target #1:	0.243
The Distance from Centroid Target #3 to Centroid Target #1:	0.248
The Distance from Centroid Target #4 to Centroid Target #1:	0.113
The Distance from Centroid Target #5 to Centroid Target #1:	0.182

BARBER - M24 0013947

SERIAL NUMBER: C6225376. __0

TARGET NUMBER: 1

FILE DATE: 03/21/2003

FILE TIME: 15:26

X CENTROID: 0.043

Y CENTROID: -0.112

POA TO CENTROID: 0.120

HORZ SPREAD: 2.041

VERT SPREAD: 1.660

GROUP SPREAD: 2.135

MIN RADIUS: 0.045

MAX RADIUS: 1.134

MEAN RADIUS: 0.669

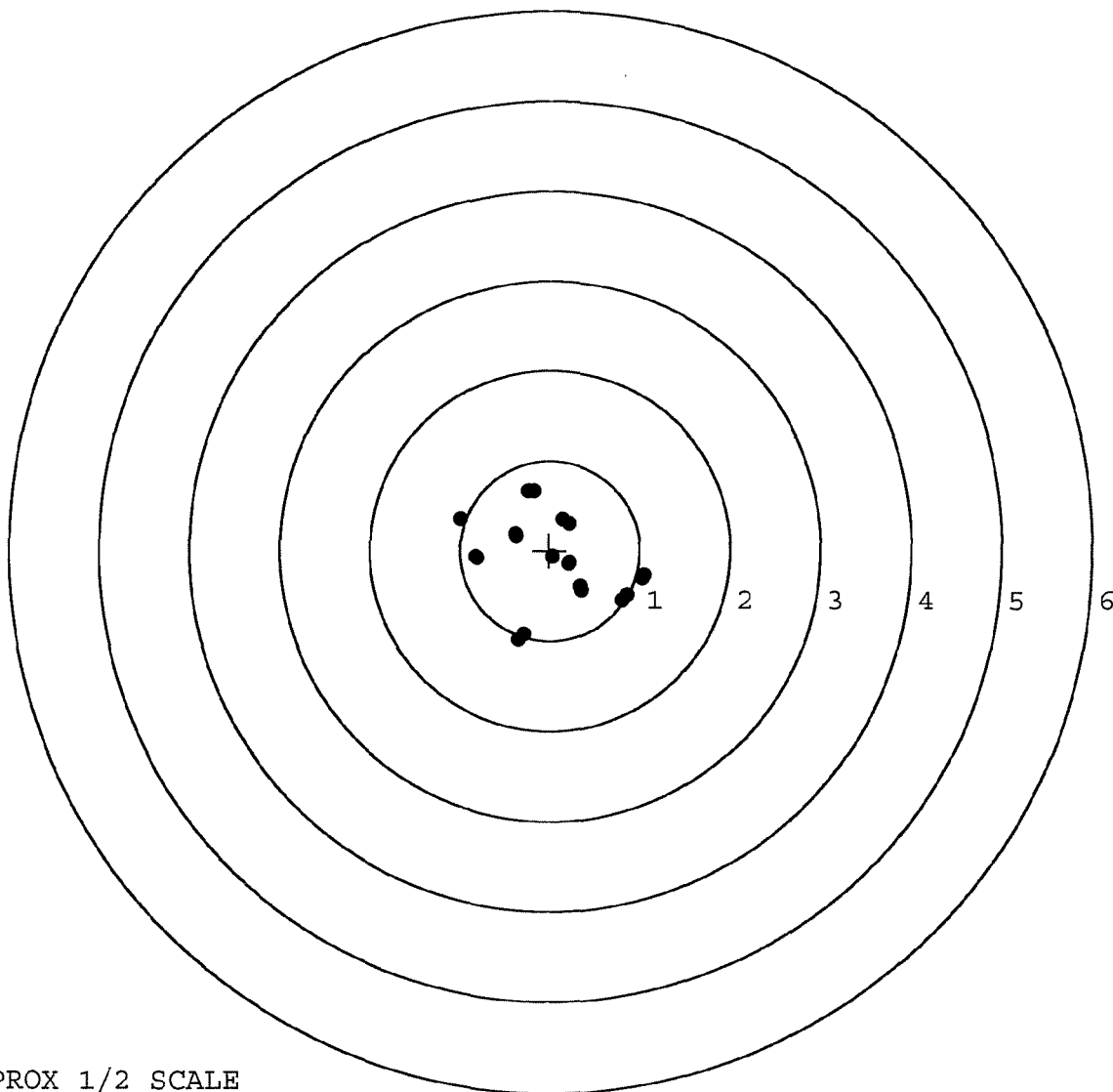
IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 17

in 3 IN DIAMETER: 20

POINT#	X	Y
1:	1.028	-0.312
2:	0.863	-0.495
3:	0.343	-0.399
4:	0.215	-0.150
5:	-0.347	-0.994
6:	0.219	0.304
7:	-0.178	0.666
8:	-0.385	0.187
9:	-0.820	-0.067
10:	0.037	-0.067
11:	1.047	-0.279
12:	0.813	-0.556
13:	0.360	-0.444
14:	0.226	-0.135

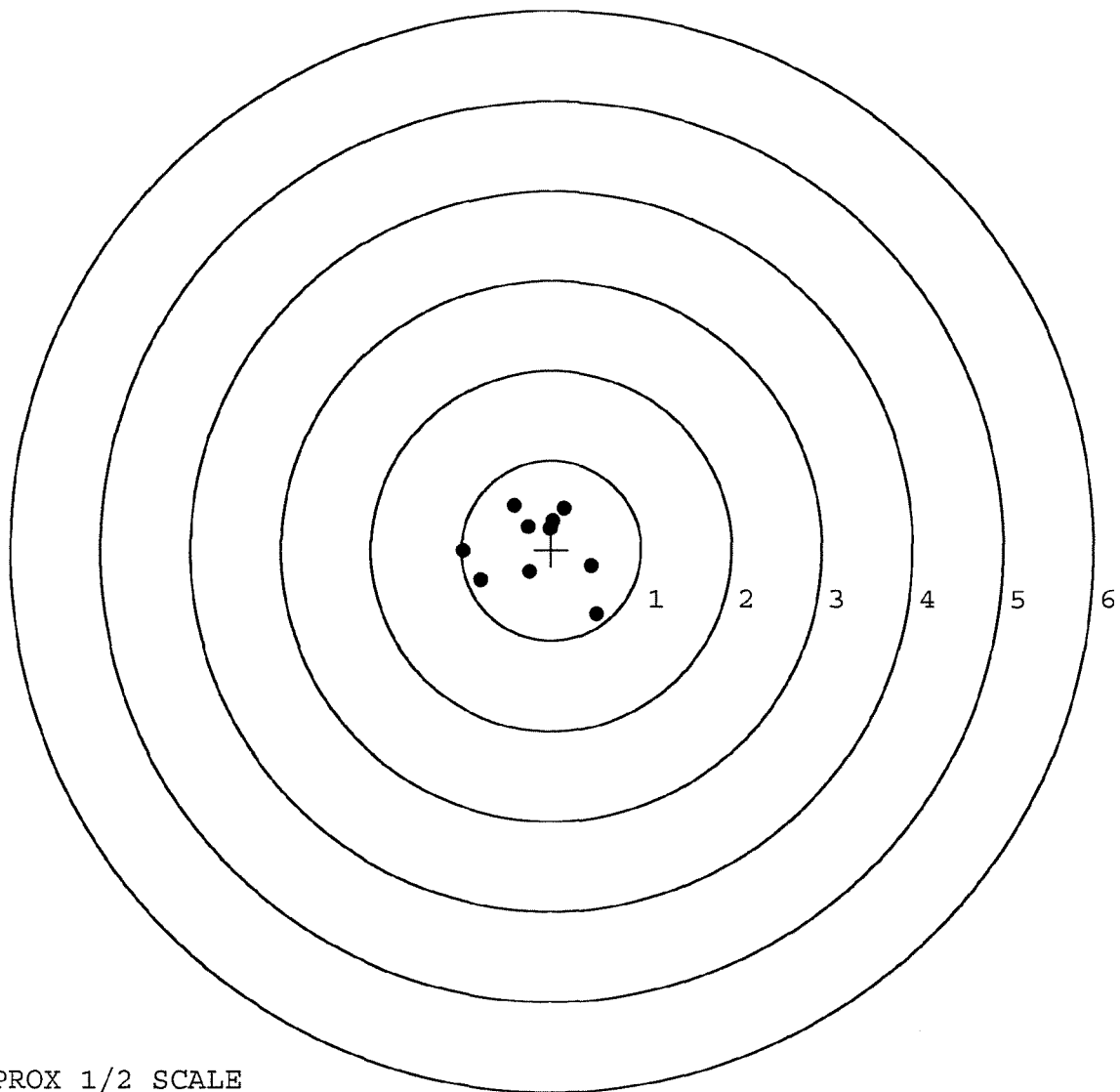
POINT#	X	Y
15:	-0.288	-0.939
16:	0.144	0.347
17:	-0.246	0.666
18:	-0.376	0.163
19:	-0.807	-0.085
20:	-0.994	0.348



TARGET APPROX 1/2 SCALE

BARBER - M24 0013948

SERIAL NUMBER: C6225376. __0	POINT#	X	Y
TARGET NUMBER: 2	1:	0.512	-0.717
FILE DATE: 03/21/2003	2:	0.452	-0.178
FILE TIME: 15:26	3:	-0.238	-0.247
	4:	-0.786	-0.336
X CENTROID: -0.155	5:	-0.975	-0.018
Y CENTROID: 0.028	6:	-0.407	0.496
POA TO CENTROID: 0.158	7:	-0.260	0.258
HORZ SPREAD: 1.487	8:	-0.018	0.239
VERT SPREAD: 1.213	9:	0.023	0.322
GROUP SPREAD: 1.643	10:	0.146	0.465
MIN RADIUS: 0.251			
MAX RADIUS: 1.000			
MEAN RADIUS: 0.539			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			



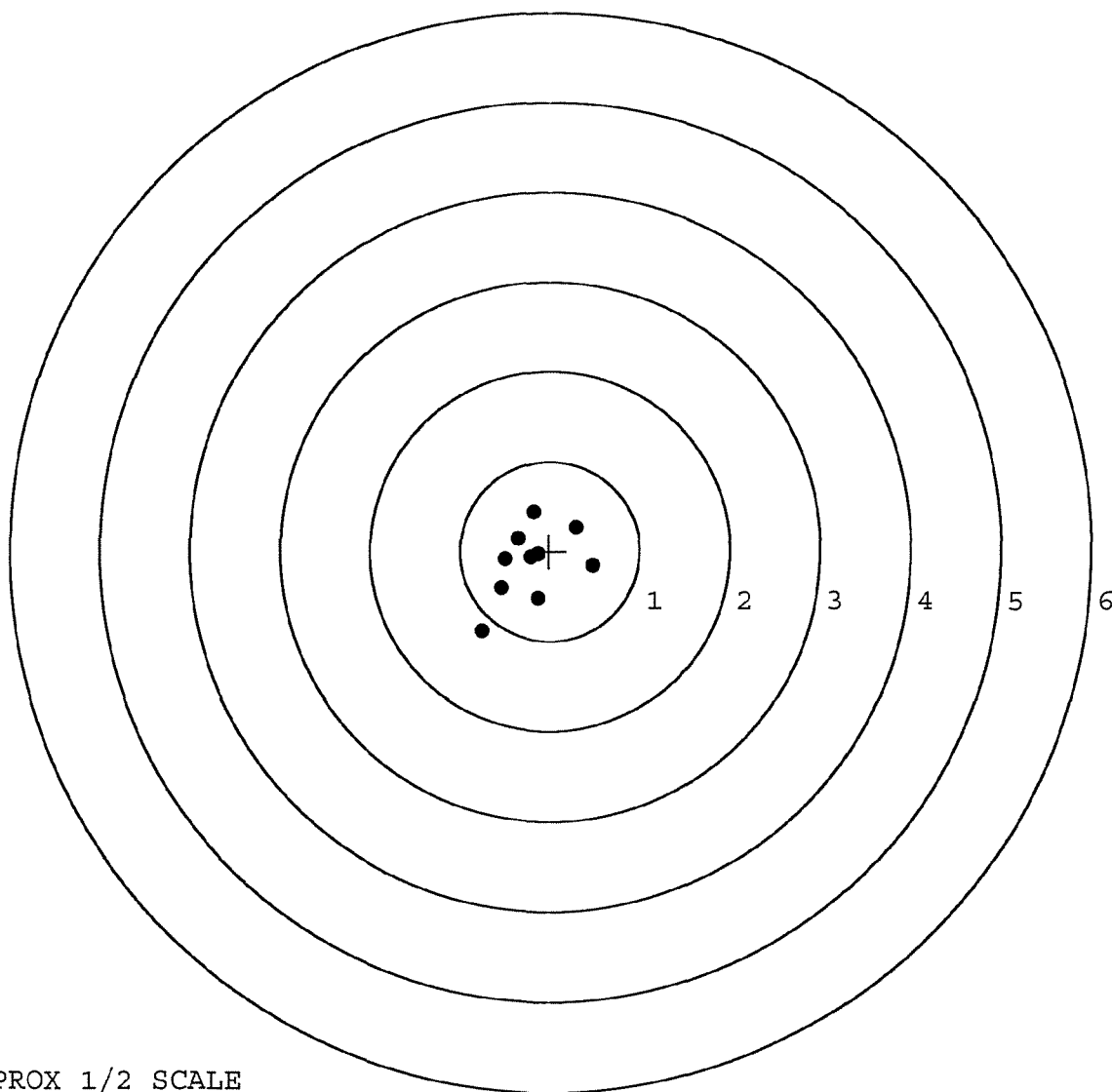
TARGET APPROX 1/2 SCALE

BARBER - M24 0013949

SERIAL NUMBER: C6225376. __0
 TARGET NUMBER: 3
 FILE DATE: 03/21/2003
 FILE TIME: 15:26

POINT#	X	Y
1:	0.484	-0.164
2:	0.288	0.261
3:	-0.185	0.435
4:	-0.131	-0.530
5:	-0.759	-0.896
6:	-0.537	-0.415
7:	-0.499	-0.098
8:	-0.133	-0.034
9:	-0.355	0.140
10:	-0.209	-0.072

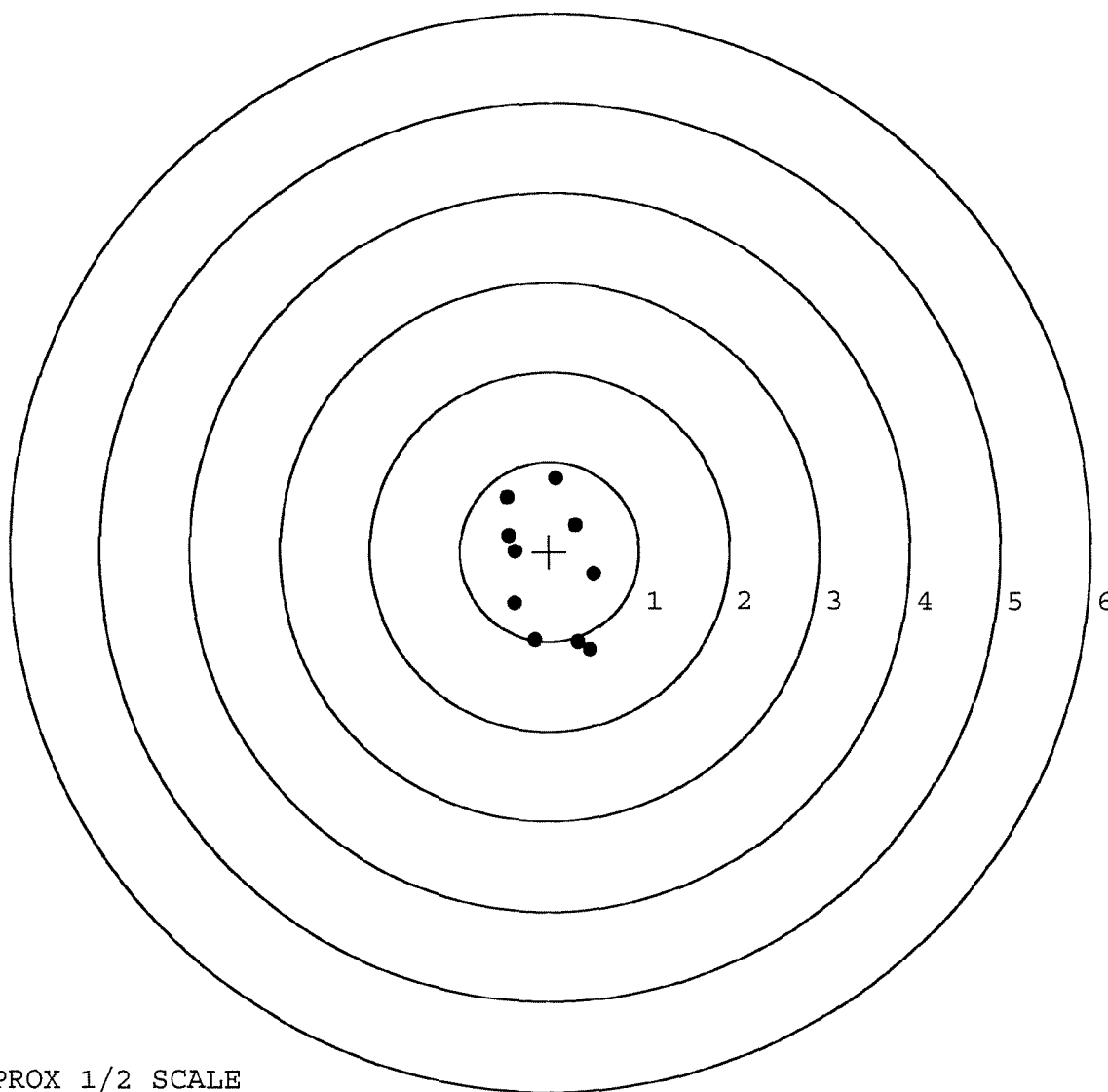
X CENTROID: -0.204
 Y CENTROID: -0.137
 POA TO CENTROID: 0.246
 HORZ SPREAD: 1.243
 VERT SPREAD: 1.331
 GROUP SPREAD: 1.560
 MIN RADIUS: 0.066
 MAX RADIUS: 0.940
 MEAN RADIUS: 0.447
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0013950

SERIAL NUMBER: C6225376. 0	POINT#	X	Y
TARGET NUMBER: 4	1:	0.463	-1.097
FILE DATE: 03/21/2003	2:	0.323	-1.010
FILE TIME: 15:26	3:	0.494	-0.251
	4:	0.283	0.296
X CENTROID: -0.023	5:	0.073	0.816
Y CENTROID: -0.204	6:	-0.476	0.602
POA TO CENTROID: 0.205	7:	-0.456	0.177
HORZ SPREAD: 0.970	8:	-0.382	0.002
VERT SPREAD: 1.913	9:	-0.392	-0.580
GROUP SPREAD: 1.952	10:	-0.157	-0.993
MIN RADIUS: 0.414			
MAX RADIUS: 1.024			
MEAN RADIUS: 0.727			
# IN 1 IN DIAMETER: 1			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0013951

SERIAL NUMBER: C6225376. __0

TARGET NUMBER: 5

FILE DATE: 03/21/2003

FILE TIME: 15:26

POINT#	X	Y
1:	0.280	0.749
2:	-0.500	-0.075
3:	-0.812	-0.426
4:	-0.171	-0.798
5:	-0.180	-0.064
6:	-0.140	-0.261
7:	0.154	-0.142
8:	0.241	-0.370
9:	0.100	-0.617
10:	0.091	-0.328

X CENTROID: -0.094

Y CENTROID: -0.233

POA TO CENTROID: 0.251

HORZ SPREAD: 1.092

VERT SPREAD: 1.547

GROUP SPREAD: 1.611

MIN RADIUS: 0.054

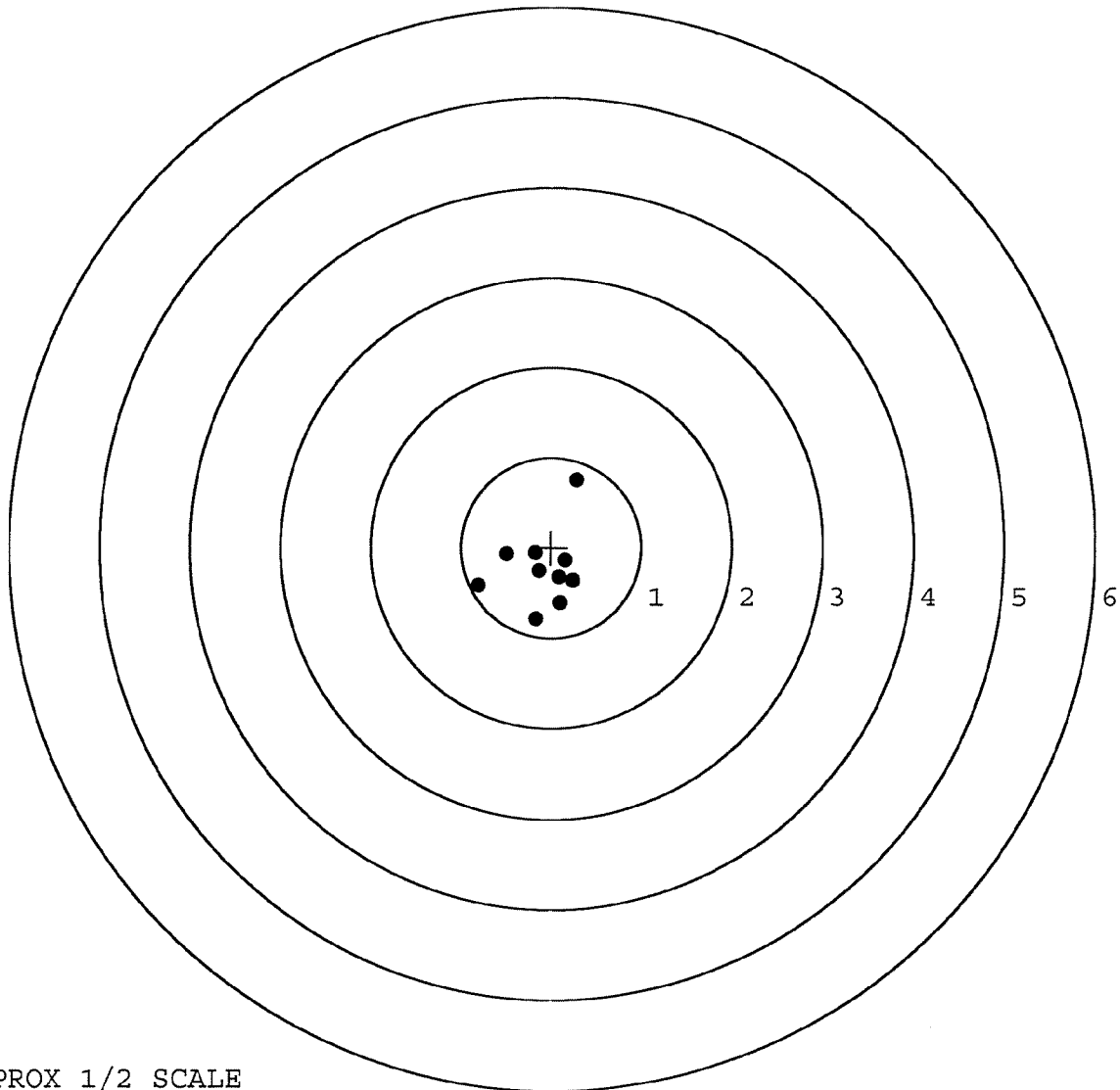
MAX RADIUS: 1.051

MEAN RADIUS: 0.431

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

INITIAL & CYCLE TESTS

BARBER - M24 0013952

3.00# ± .75#

4.00# ± 1.00#

DATE 1-30-03

TESTER

TRC

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.51	2.62		2.68	MIN. SETTING
PULL #2	2.67	2.36		2.55	NO AVG. OF 5
PULL #3	2.50	2.51		2.69	READINGS ACCEPT
PULL #4	2.61	2.55		2.71	ABLE LESS THAN
PULL #5	2.62	2.45		2.65	
TOTAL	12.91	12.49		13.28	
AVG.	2.58	2.49		2.65	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.47		
PULL #2	3.09	3.03		
PULL #3	3.16	3.39		
PULL #4	3.17	3.37		
PULL #5	3.11	3.35		
TOTAL	15.77	16.61		
AVG.	3.15	3.32		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# & TARGET & ACCU
PULL #1	4.21	4.44		4.33
PULL #2	4.24	4.22		4.31
PULL #3	4.45	4.24		4.24
PULL #4	4.39	4.29		4.26
PULL #5	4.14	4.22		4.19
TOTAL	21.43	21.41		21.33
AVG.	4.28	4.28		4.26

[illegible]

C6225376

MOD. _____ GA. CAL. _____ GUN # _____

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	SHROUD OF BOLT FACE DISTORTED	
	2nd	4/21/89 100 Rds OK - DH	
	3rd		
	4th		

FUNCTION _____ RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	NEW BOLT ASSEMBLED 100 SHOT FUNCTION TEST.	
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

Remington
REMINGTON & CO. PAT. & TM. OFF.

MODEL 700™ M24

SERIAL NO. C6225376

ORDER NO. 5716

Ø1

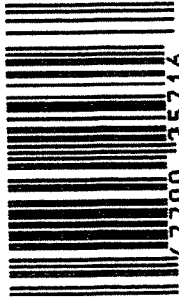
VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.

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



5716 C6225376

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225376

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 17	89	RW
600	Proof	3 17	89	RW
607	Check Headspace	3 17	89	RW
610	Dis-assemble Gun	3 17	89	RW
612	Magnaflux Barrel Action		3/21	KCR
	Magnaflux Bolt		3/21	KCR
615	Rollmark Caliber		3/21	LA
617	Drill and Tap Sight Holes	3 22	89	FB
618	Polish Barrel	3 22	89	BT.
620	Apply Coatings (Barrel Action)		3/21/89	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/6/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/6/89	RW
	C) Inspect Ejector Hole for Chamfer		4/6/89	RW
	D) Oil Firing Pin Ass'y		4/6/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/7/89	LS

op. #	BARBER - M24 0013958 OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	7	7	7	4/7/89	JS		
	G) Safety Off Force	4	4	4	4/7/89	JS		
	H) Trigger Pull Test & Retainability				4/7/89	B.S.		
	I) Firing Pin Indent	.020	.020	.021	4/7/89	JS		
	J) Assemble Stock				4/10/89	RW		
	K) Assemble Swivel Studs				25 Sep 89	JS		
	L) Attach Front and Rear Sight Assemblies				4/10/89	RW		
	M) Iron Sight Alignment				4/10/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				4/10/89	RW		
	O) Attach Scope to Rifle				4/10/89	JS		
	P) Detach & Attach Scope 20 Times				4/10/89	JS		
640	Gallery Target & Test	65 R	87 L		4-12-89	AC		
	A) Time				"	AC		
	B) Malfunctions			NONE	"	AC		
	C) Pierced Primers			NONE	"	AC		
	D) Optical Clarity of Scope			OK	"	AC		
645	Inspect for Live Ammo			NONE	4-12-89	AC		
655	Final Inspection A) Headspace				25 Sep 89	JS		
	B) Trigger Pull	2.76	2.82	2.80	2.75	2.80	25 Sep 89	JS
	C) Function						25 Sep 89	JS
660	Pack						27 Jun 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225376

DATE 3-30-90

TESTER JJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.46		2.21	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.45		2.25	
PULL #3	2.28	2.28		2.14	
PULL #4	2.37	2.33		2.36	
PULL #5	2.42	2.26		2.34	
TOTAL	11.92	11.78		11.30	
AVG.	2.384	2.356		2.26	

	3.00# INITIAL	3.00# AFTER 20 CYCLES			COMMENTS
PULL #1	3.44	3.52			
PULL #2	3.37	3.50			
PULL #3	3.34	3.35			
PULL #4	3.37	3.60			
PULL #5	3.45	3.56			
TOTAL	16.97	17.53			
AVG.	3.394	3.506			

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.42		
PULL #2	4.11	4.46		
PULL #3	4.56	4.42		
PULL #4	4.29	4.44		
PULL #5	4.37	4.45		
TOTAL	21.56	22.19		
AVG.	4.312	4.438		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225376
12 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.390083
1 TO	2	.588982
1 TO	3	.618066
1 TO	4	.755747
1 TO	5	.57771

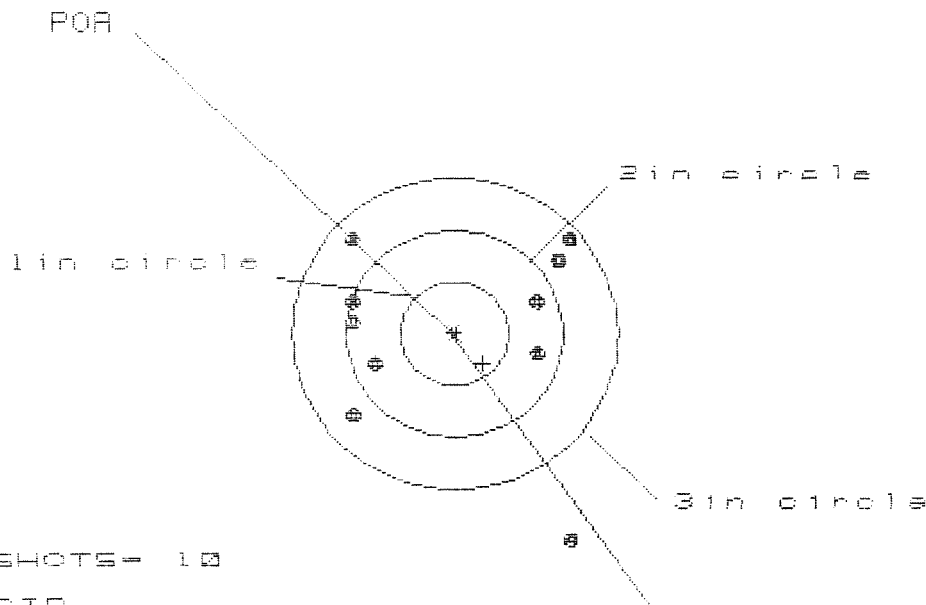
1  ----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .032
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1214
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .125547
THE AMR FOR THIS RIFLE IS: 1.141

12 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225376

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 0

HS = 0.0000

VS = 0.0000

GS = 0.0000

CENTROID #

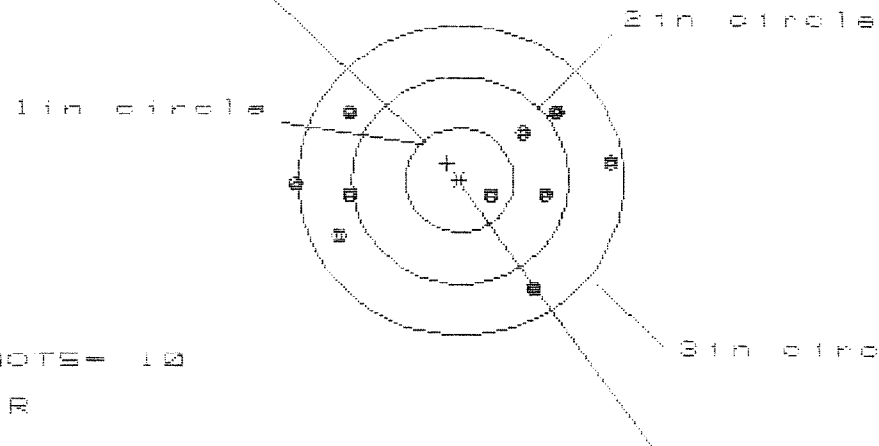
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.103	1.221	1.193
MINIMUM X	-.984	-.865	-.712
MAXIMUM Y	.927	.705	.776
MINIMUM Y	-2.001	-.991	-.903
CENTROID X	-.262	-.381	-.534
CENTROID Y	.289	.511	.423
POA TO CENTROID in.	.390	.638	.681
MIN RADIUS	.743	.791	.618
MEAN RADIUS	1.168	1.022	.943
MAX RADIUS	2.269	1.410	1.323
HORIZONTAL SPREAD	2.086	2.086	1.985
VERTICAL SPREAD	2.928	1.696	1.679
EXTREME SPREAD	3.553	2.652	2.373
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225376

CENTERFIRE PATTERNS # 2

POR



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 9

H = 2.968

V = 1.716

G = 2.968

CENTROID *

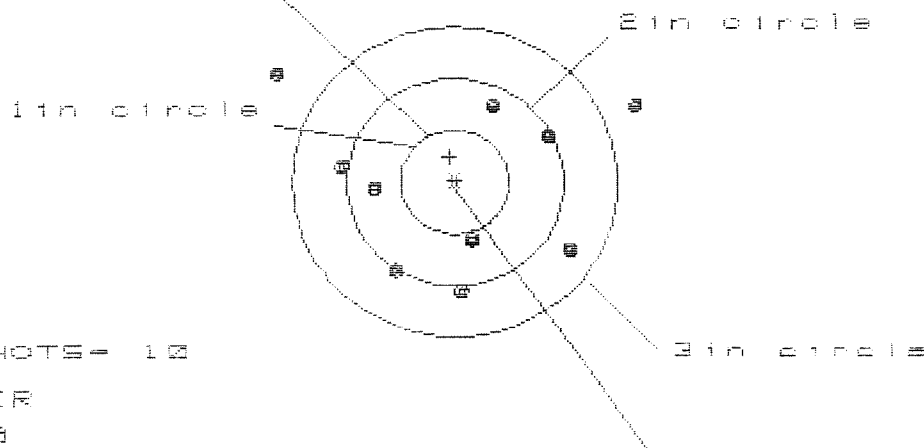
PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.423	1.252	.887
MINIMUM X	-1.539	-1.278	-1.121
MAXIMUM Y	.674	.676	.782
MINIMUM Y	-1.042	-1.040	-1.014
CENTROID X	.118	.289	.132
CENTROID Y	-.161	-.163	-.189
POR TO CENTROID in.	.200	.331	.230
MIN RADIUS	.303	.190	.276
MEAN RADIUS	1.069	.980	.960
MAX RADIUS	1.539	1.388	1.235
HORIZONTAL SPREAD	2.962	2.530	2.008
VERTICAL SPREAD	1.716	1.716	1.716
EXTREME SPREAD	2.968	2.639	2.426
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	9		

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225376

CENTERFIRE PATTERNS # 3

POA



OF SHOTS - 10

IN CIR

1in = 0

2in = 4

3in = 8

HS = 0.251

VS = 2.098

GS = 3.263

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.612	1.430	1.044
MINIMUM X	-1.639	-1.271	-1.092
MAXIMUM Y	1.062	.899	.957
MINIMUM Y	-1.036	-.918	-.806
CENTROID X	.044	.226	.047
CENTROID Y	-.248	-.366	-.478
POA TO CENTROID in.	.251	.430	.480
MIN RADIUS	.630	.482	.415
MEAN RADIUS	1.126	1.013	.902
MAX RADIUS	1.953	1.689	1.149
HORIZONTAL SPREAD	3.251	2.701	2.136
VERTICAL SPREAD	2.098	1.817	1.763
EXTREME SPREAD	3.263	2.779	2.266
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

12 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225376

CENTERFIRE PATTERNS

4

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HSI = 3.026

VS = 2.066

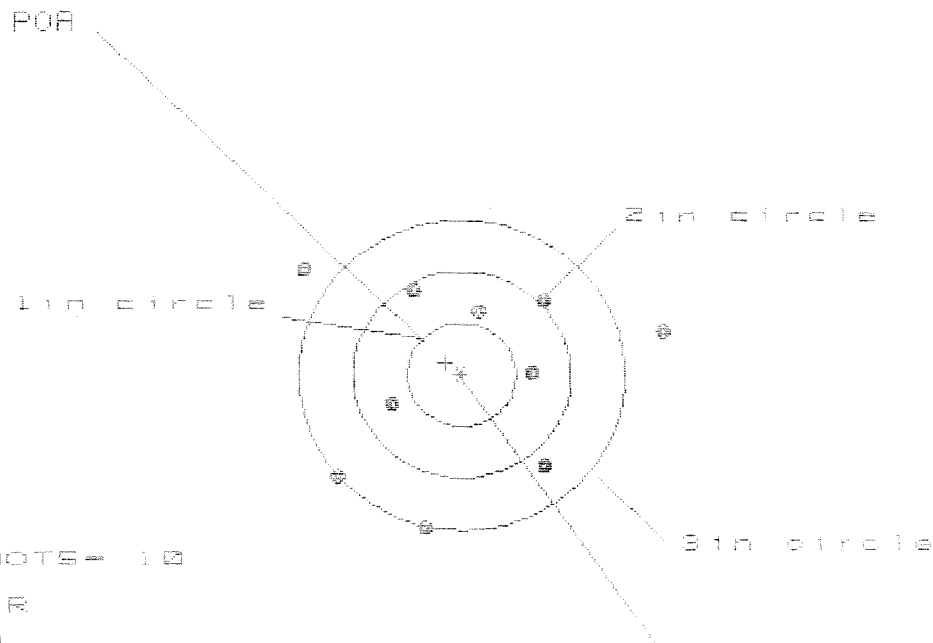
GS = 3.664

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.497	1.128	.957
MINIMUM X	:	-1.529	-1.362	-1.322
MAXIMUM Y	:	1.184	1.240	1.146
MINIMUM Y	:	-.882	-.750	-.824
CENTROID X	:	.115	-.052	.119
CENTROID Y	:	-.366	-.498	-.404
POR TO CENTROID in.	:	.384	.501	.421
MIN RADIUS	:	.452	.481	.419
MEAN RADIUS	:	1.169	1.090	.999
MAX RADIUS	:	1.909	1.692	1.750
HORIZONTAL SPREAD	:	3.026	2.490	2.279
VERTICAL SPREAD	:	2.066	1.990	1.570
EXTREME SPREAD	:	3.664	2.886	2.836
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225376

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 5

2 in = 4

3 in = 7

HW = 0.000

VS = 0.506

GS = 0.040

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.867
MINIMUM X	-1.481
MAXIMUM Y	1.013
MINIMUM Y	-1.493
CENTROID X	.145
CENTROID Y	-.121
POA TO CENTROID in.	.189
MIN RADIUS	.588
MEAN RADIUS	1.174
MAX RADIUS	1.852
HORIZONTAL SPREAD	3.288
VERTICAL SPREAD	2.506
EXTREME SPREAD	3.343
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	7

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 96-06354

INITIAL **FPS** CUSTOMER ORDER NO.

M24 SNIPER

DATE RECEIVED 02/26/96	DATE OPENED 02/26/96	DATE CODE AJ 3-89	SERIAL NUMBER C6225376	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO
----------------------------------	--------------------------------	-----------------------------	----------------------------------	-------------------	---

ACCESSORIES **W/STUDS SCOPE BASE L/1 STUD**

FROM:	SHIP TO:
DEPT. OF THE ARMY A CO. 3RD BATT. 1ST SP. FORCES BLDG 9177, BOX 339502 FT LEWIS WA 98433	DEPT. OF THE ARMY A CO. 3RD BATT. 1ST SP. FORCES BLDG 9177, BOX 339502 FT LEWIS WA 98433

CUST NO: 138744 C.O.D.L

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	PROM. DATE	ESTIMATED	VIA UPS
----------------	--------------------	------------	-----------	-------------------

- GUN CONDITION
- ☐ NEW
 - ☐ LIGHTLY WORN
 - ☐ WORN
 - ☐ VERY WORN
 - ☐ UNREPAIRABLE
 - ☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS	COMMENTS
Barrel - 96003	Repowder Coat Trigger Guard
Stocks - 96018	Assy, Front & Rear Sight Bases
	Re zinc Scope Base & Swivel
	Studs
REPAIRMAN <i>Rw</i>	PROOF <i>ew</i>
GALLERY TESTER <i>AS</i>	DATE <i>3/20/96</i>
	DATE <i>4/3/96</i>
	DATE <i>4/3/96</i>
	DATE <i>4/3/96</i>
	DATE <i>4/3/96</i>

OFFICE COPY

RD6925 REV. 1/94

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225376

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		3/20/96	RW
600	Proof		3/20/96	RW
607.	Check Headspace		3/20/96	RW
610	Dis-assemble Gun		3/20/96	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/3/96	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/3/96	RW
	C) Inspect Ejector Hole for Chamfer		4/3/96	RW
	D) Oil Firing Pin Ass'y		4/3/96	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	BARBER M24 0013968	READINGS			DATE	INIT
625 cont.	F) Safety On Force					
	G) Safety Off Force					
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent					
	J) Assemble Stock				4/3/96	RW
	K) Assemble Swivel Studs					
	L) Attach Front and Rear Sight Assemblies					
	M) Iron Sight Alignment					
	N) Detach Front & Rear Sights & place in numbered container					
	O) Attach Scope to Rifle					
	P) Detach & Attach Scope 20 Times					
640	Gallery Target & Test				4/3/96	PH
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo				4/3/96	PH
655	Final Inspection					
	A) Headspace				4/4/96	RW
	B) Trigger Pull					
	C) Function				4/4/96	RW
660	Pack					

Final Inspection

Sn: C6225376

DATE REC'D: 2/26/96

DATE RET'D:

Auditor: RW

Item:

Barrel Assy.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

Scope Assy.

☐ Scope☐ Scope Rings☐ Mounting Screws☒ Mounting Base☐ Screws☐ Finish☐ Looseness☐ CLARITY

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ Stock☒ Sling Swivel Studs☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ Scope Case☐ Iron Sights☐ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

Comments:

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225376
5 Feb 1988

CENTROIDAL DISTANCES

0 TO	1	1.09151
1 TO	2	.187427
1 TO	3	.562716
1 TO	4	.255055
1 TO	5	.341901

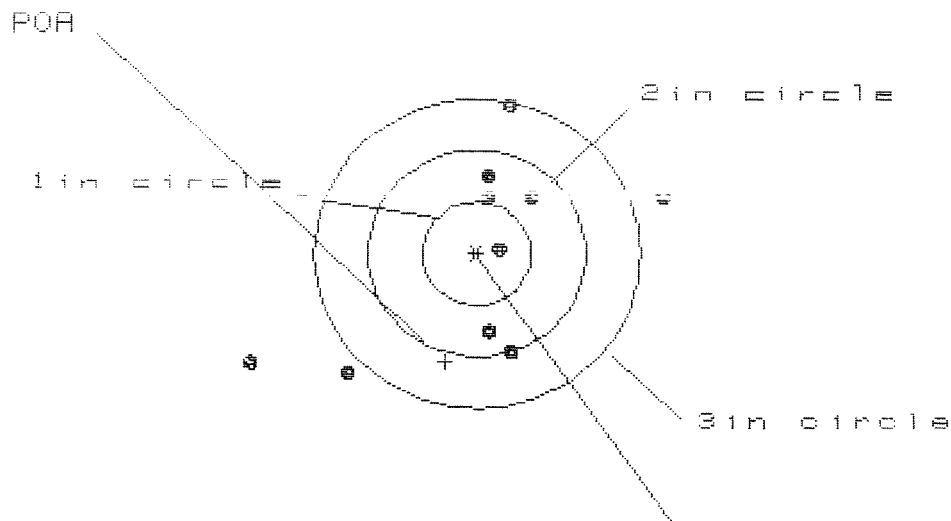
$\bar{x}$
 $\bar{y}$
+ (----)POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2644
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .8252
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .866523
THE AMR FOR THIS RIFLE IS: 1.124

5 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225376

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 3.819

VS= 2.578

GS= 4.154

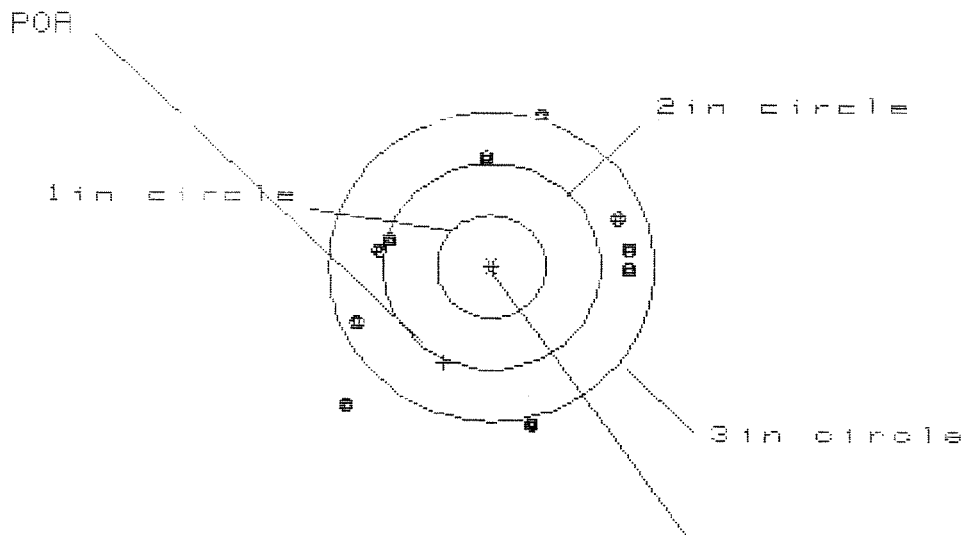
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.723	1.490	.447
MINIMUM X	-2.096	-1.427	-1.240
MAXIMUM Y	1.448	1.332	1.392
MINIMUM Y	-1.130	-1.246	-1.186
CENTROID X	.291	.524	.337
CENTROID Y	1.052	1.168	1.108
POA TO CENTROID in.	1.091	1.280	1.158
MIN RADIUS	.179	.114	.138
MEAN RADIUS	1.114	.927	.855
MAX RADIUS	2.341	1.894	1.716
HORIZONTAL SPREAD	3.819	2.917	1.687
VERTICAL SPREAD	2.578	2.578	2.578
EXTREME SPREAD	4.154	3.387	2.998
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

5 Feb 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06225376

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 1

3 in = 7

HS= 2.547

VS= 3.046

GS= 3.356

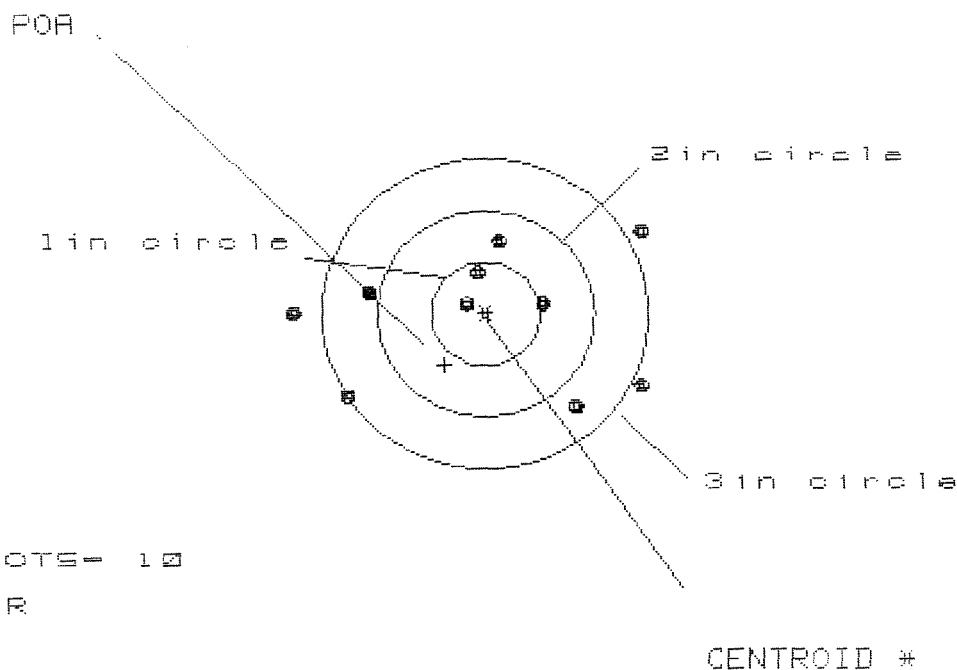
CENTROID *

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.257	1.113	1.141
MINIMUM X	-1.290	-1.370	-1.342
MAXIMUM Y	1.491	1.342	1.129
MINIMUM Y	-1.555	-1.704	-0.949
CENTROID X	.439	.583	.555
CENTROID Y	.937	1.086	1.299
POA TO CENTROID in.	1.035	1.233	1.413
MIN RADIUS	.954	.921	.706
MEAN RADIUS	1.319	1.234	1.144
MAX RADIUS	1.864	1.718	1.644
HORIZONTAL SPREAD	2.547	2.483	2.483
VERTICAL SPREAD	3.046	3.046	2.078
EXTREME SPREAD	3.356	3.049	2.704
NUMBER IN ONE INCH CIRCLE	= 0		
NUMBER IN TWO INCH CIRCLE	= 1		
NUMBER IN THREE INCH CIRCLE	= 7		

5 Feb 1988

FILE://PATTERNING/CENTERFIRE_PATT/08225376

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 3.249

VS= 1.651

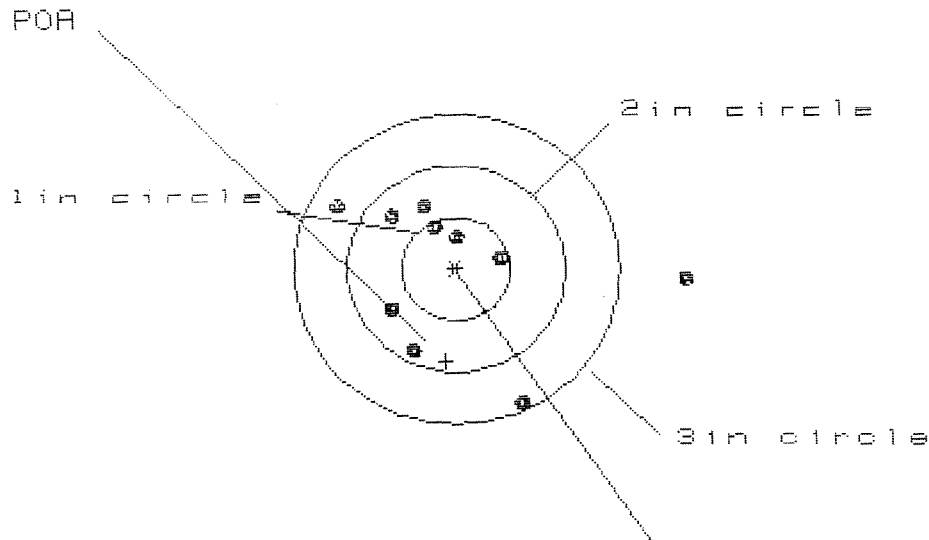
GS= 3.336

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.446	1.245	1.382
MINIMUM X	-1.803	-1.477	-1.321
MAXIMUM Y	.800	.804	.856
MINIMUM Y	-.851	-.847	-.746
CENTROID X	.371	.572	.416
CENTROID Y	.495	.491	.390
POA TO CENTROID in.	.619	.753	.570
MIN RADIUS	.140	.332	.237
MEAN RADIUS	1.070	.985	.925
MAX RADIUS	1.804	1.670	1.521
HORIZONTAL SPREAD	3.249	2.722	2.703
VERTICAL SPREAD	1.651	1.651	1.602
EXTREME SPREAD	3.336	3.150	2.703
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

5 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225376

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 3.228

VS= 1.939

GS= 3.300

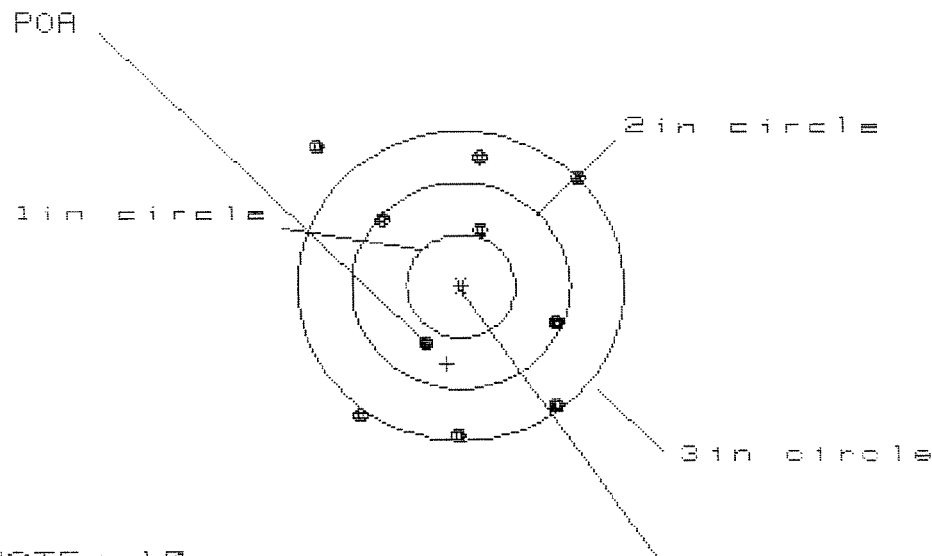
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.139	.818	.794
MINIMUM X	:	-1.089	-.851	-.749
MAXIMUM Y	:	.652	.638	.476
MINIMUM Y	:	-1.287	-1.301	-.919
CENTROID X	:	.094	-.144	-.246
CENTROID Y	:	.890	.904	1.066
POA TO CENTROID in.	:	.895	.915	1.094
MIN RADIUS	:	.330	.372	.231
MEAN RADIUS	:	.906	.729	.582
MAX RADIUS	:	2.143	1.537	.920
HORIZONTAL SPREAD	:	3.228	1.669	1.543
VERTICAL SPREAD	:	1.939	1.939	1.395
EXTREME SPREAD	:	3.300	2.492	1.597
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Feb 1968

FTIF:/PATTERNING/CENTERFIRE_PATT/CB225326

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS = 2.287

VS = 2.767

ES = 3.279

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.103	.961	.832
MINIMUM X	-1.284	-1.028	-.979
MAXIMUM Y	1.332	1.362	1.225
MINIMUM Y	-1.435	-1.287	-1.424
CENTROID X	.127	.269	.398
CENTROID Y	.752	.604	.741
POA TO CENTROID in.	.763	.661	.841
MIN RADIUS	.594	.628	.589
MEAN RADIUS	1.210	1.125	1.066
MAX RADIUS	1.850	1.524	1.447
HORIZONTAL SPREAD	2.387	1.989	1.811
VERTICAL SPREAD	2.767	2.649	2.649
EXTREME SPREAD	3.279	3.024	2.700
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	