

G 657 72 20
Rapha
E 670 3503

Closed 6/5/2006 1:21:08 PM

Country: US

FFL:

Code	Desc	Q
A007	With Stud	3
A017	Scope Base	1
A057	Frt and Rear Sqt Base	1

Close

SCAL

G 6577220

~~E6703503~~

Model: M24 SWS



RE00113217

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6577220.___0
FILE DATE AND TIME: 07/24/2006 07:43

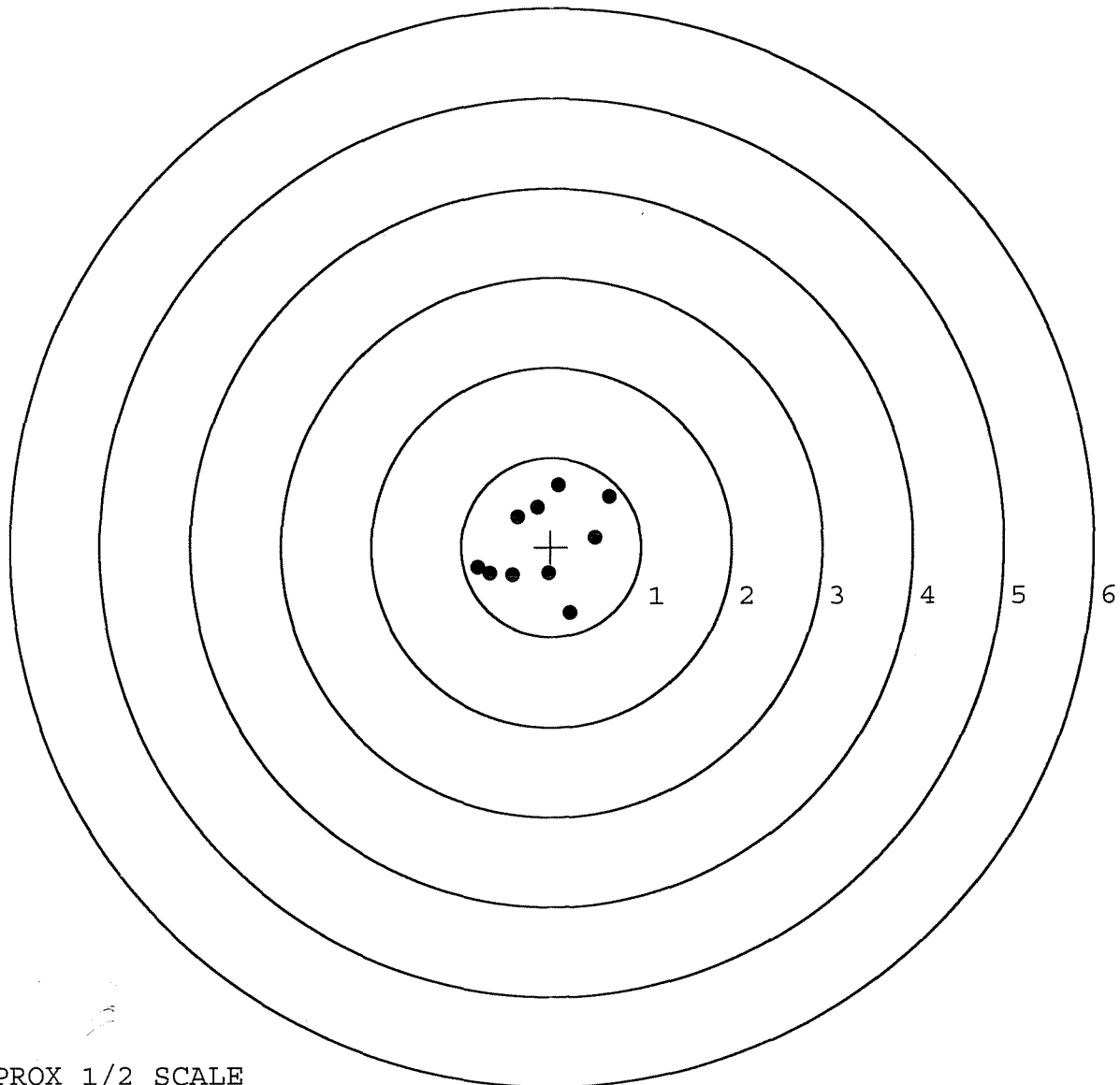
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.021
The Average Y Centroid of the Five Target Set:	0.047
The Average Point of Impact of the Five Target Set:	0.051
The Average Mean Radius of the Five Target Set:	0.621
The Distance from POA to Centroid Target #1:	0.110
The Distance from Centroid Target #2 to Centroid Target #1:	0.126
The Distance from Centroid Target #3 to Centroid Target #1:	0.149
The Distance from Centroid Target #4 to Centroid Target #1:	0.298
The Distance from Centroid Target #5 to Centroid Target #1:	0.150

SERIAL NUMBER: G6577220. __0
 TARGET NUMBER: 1
 FILE DATE: 07/24/2006
 FILE TIME: 07:43

X CENTROID: -0.107
 Y CENTROID: 0.025
 POA TO CENTROID: 0.110
 HORZ SPREAD: 1.465
 VERT SPREAD: 1.423
 GROUP SPREAD: 1.665
 MIN RADIUS: 0.334
 MAX RADIUS: 0.923
 MEAN RADIUS: 0.610
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.379	0.335
2:	-0.154	0.445
3:	0.084	0.687
4:	0.645	0.560
5:	0.492	0.107
6:	0.209	-0.736
7:	-0.027	-0.300
8:	-0.432	-0.320
9:	-0.685	-0.298
10:	-0.820	-0.232

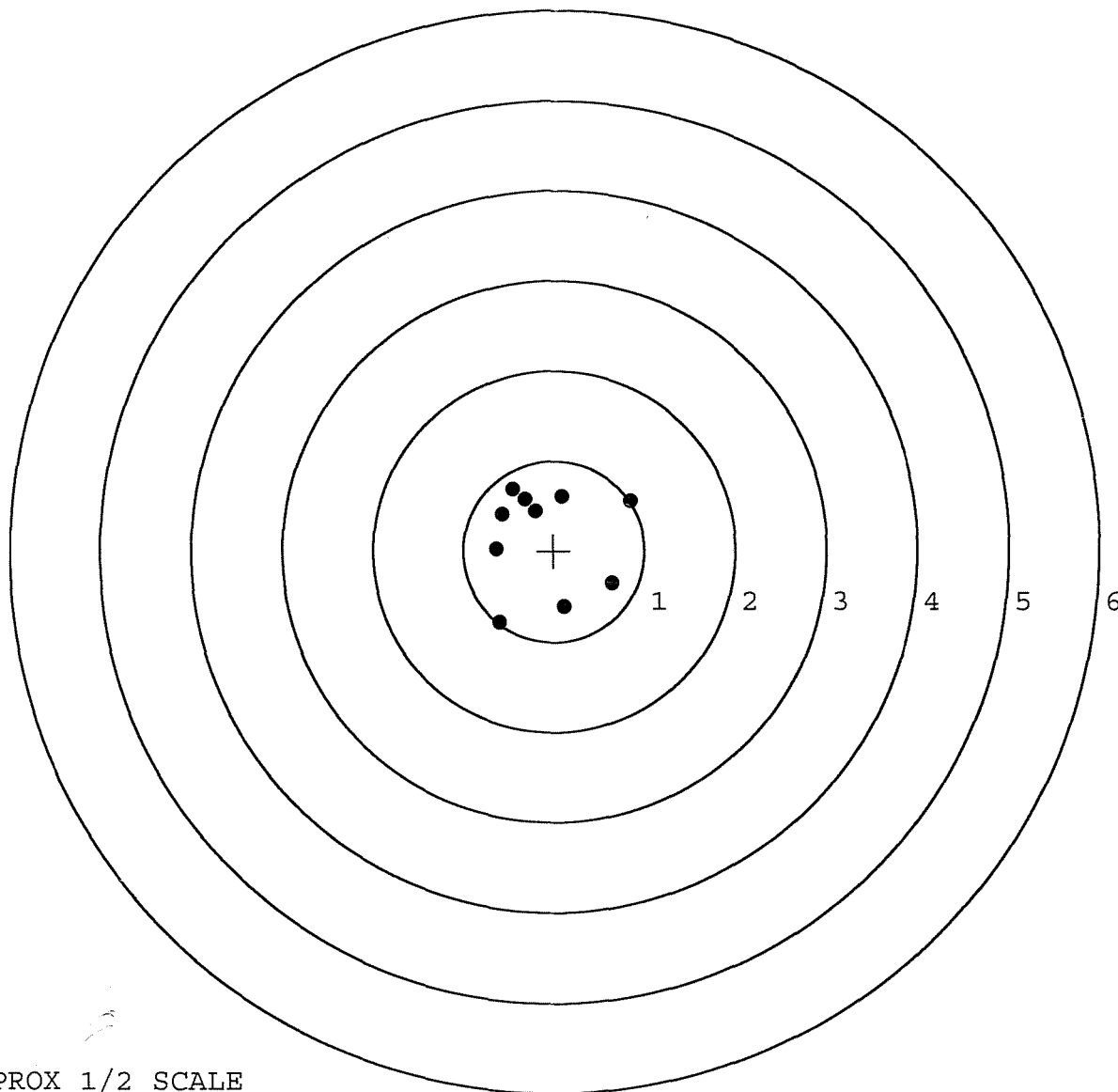


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577220. __0
 TARGET NUMBER: 2
 FILE DATE: 07/24/2006
 FILE TIME: 07:43

X CENTROID: -0.110
 Y CENTROID: 0.151
 POA TO CENTROID: 0.186
 HORZ SPREAD: 1.481
 VERT SPREAD: 1.478
 GROUP SPREAD: 1.976
 MIN RADIUS: 0.302
 MAX RADIUS: 1.062
 MEAN RADIUS: 0.680
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.597	-0.793
2:	0.124	-0.618
3:	0.646	-0.357
4:	0.845	0.558
5:	0.093	0.604
6:	-0.212	0.435
7:	-0.459	0.685
8:	-0.579	0.401
9:	-0.636	0.018
10:	-0.320	0.572

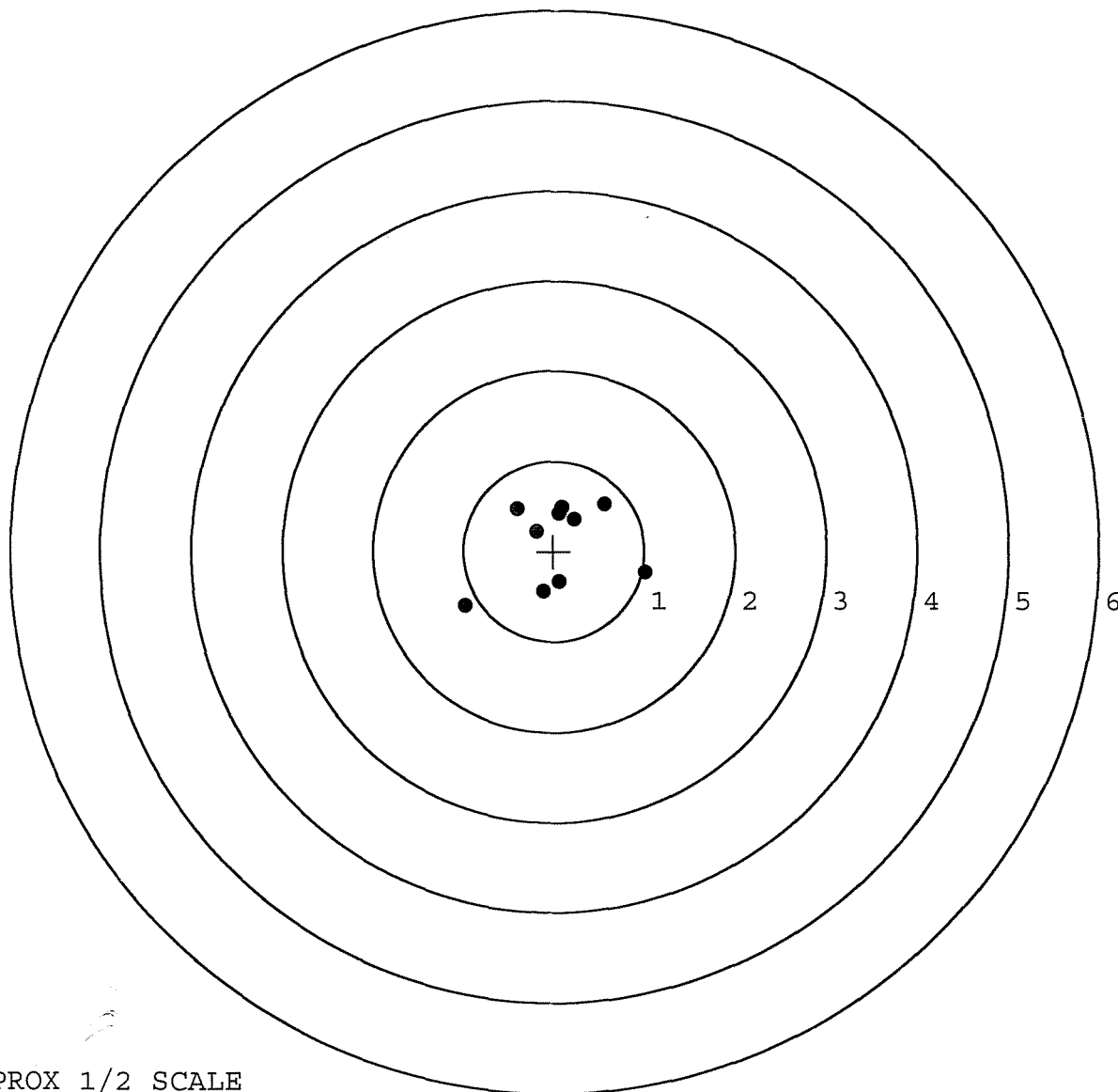


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577220. __0
 TARGET NUMBER: 3
 FILE DATE: 07/24/2006
 FILE TIME: 07:43

X CENTROID: 0.031
 Y CENTROID: 0.083
 POA TO CENTROID: 0.088
 HORZ SPREAD: 1.987
 VERT SPREAD: 1.146
 GROUP SPREAD: 2.023
 MIN RADIUS: 0.264
 MAX RADIUS: 1.228
 MEAN RADIUS: 0.588
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.411	0.473
2:	-0.197	0.216
3:	0.092	0.489
4:	0.226	0.358
5:	0.558	0.526
6:	1.011	-0.238
7:	-0.118	-0.459
8:	-0.976	-0.620
9:	0.059	0.426
10:	0.065	-0.344

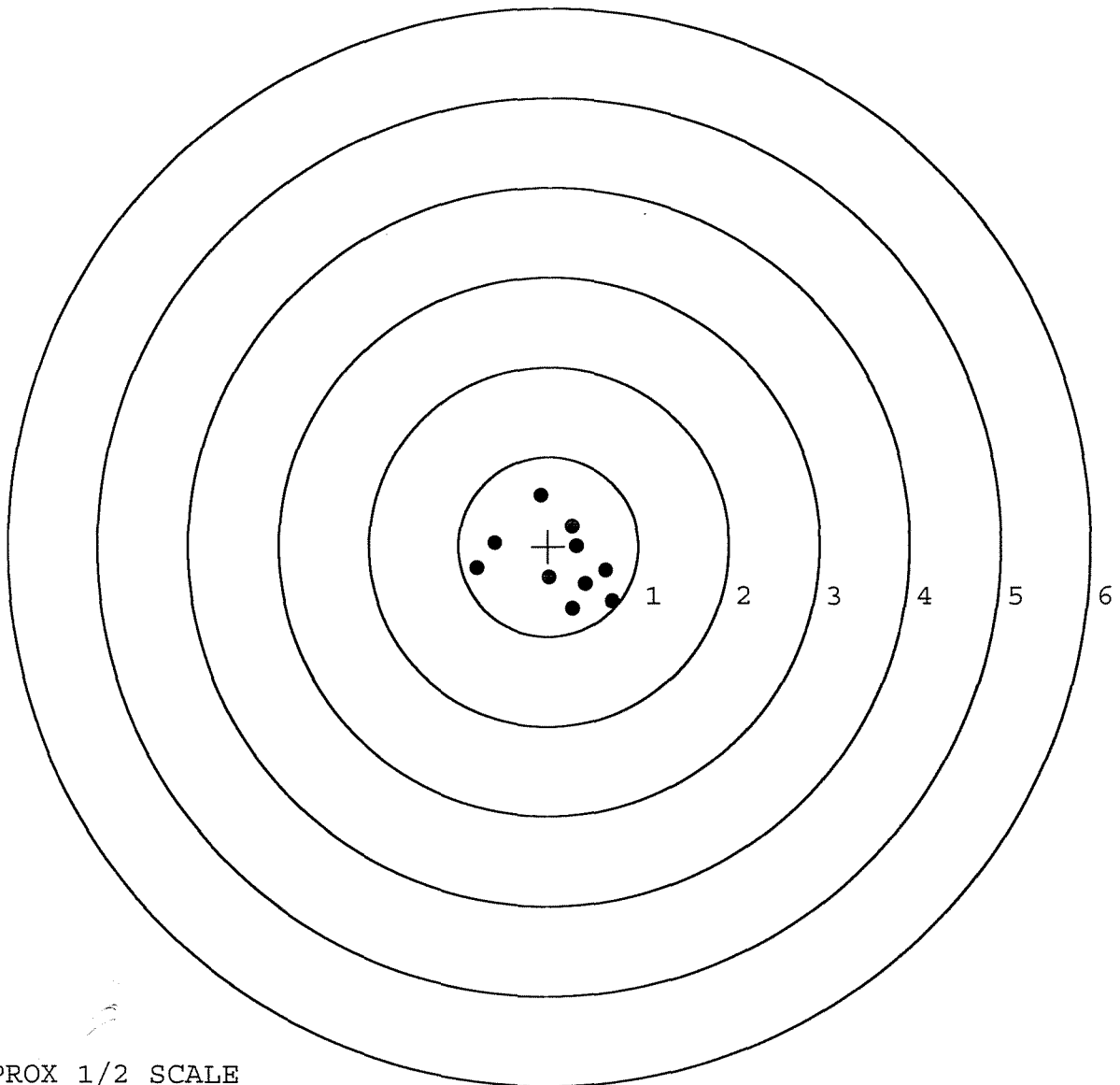


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577220. __0
 TARGET NUMBER: 4
 FILE DATE: 07/24/2006
 FILE TIME: 07:43

X CENTROID: 0.113
 Y CENTROID: -0.177
 POA TO CENTROID: 0.210
 HORZ SPREAD: 1.509
 VERT SPREAD: 1.265
 GROUP SPREAD: 1.553
 MIN RADIUS: 0.201
 MAX RADIUS: 0.912
 MEAN RADIUS: 0.553
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.091	0.568
2:	0.263	0.224
3:	-0.598	0.038
4:	-0.796	-0.248
5:	0.314	0.005
6:	0.012	-0.350
7:	0.634	-0.271
8:	0.713	-0.613
9:	0.277	-0.697
10:	0.407	-0.422

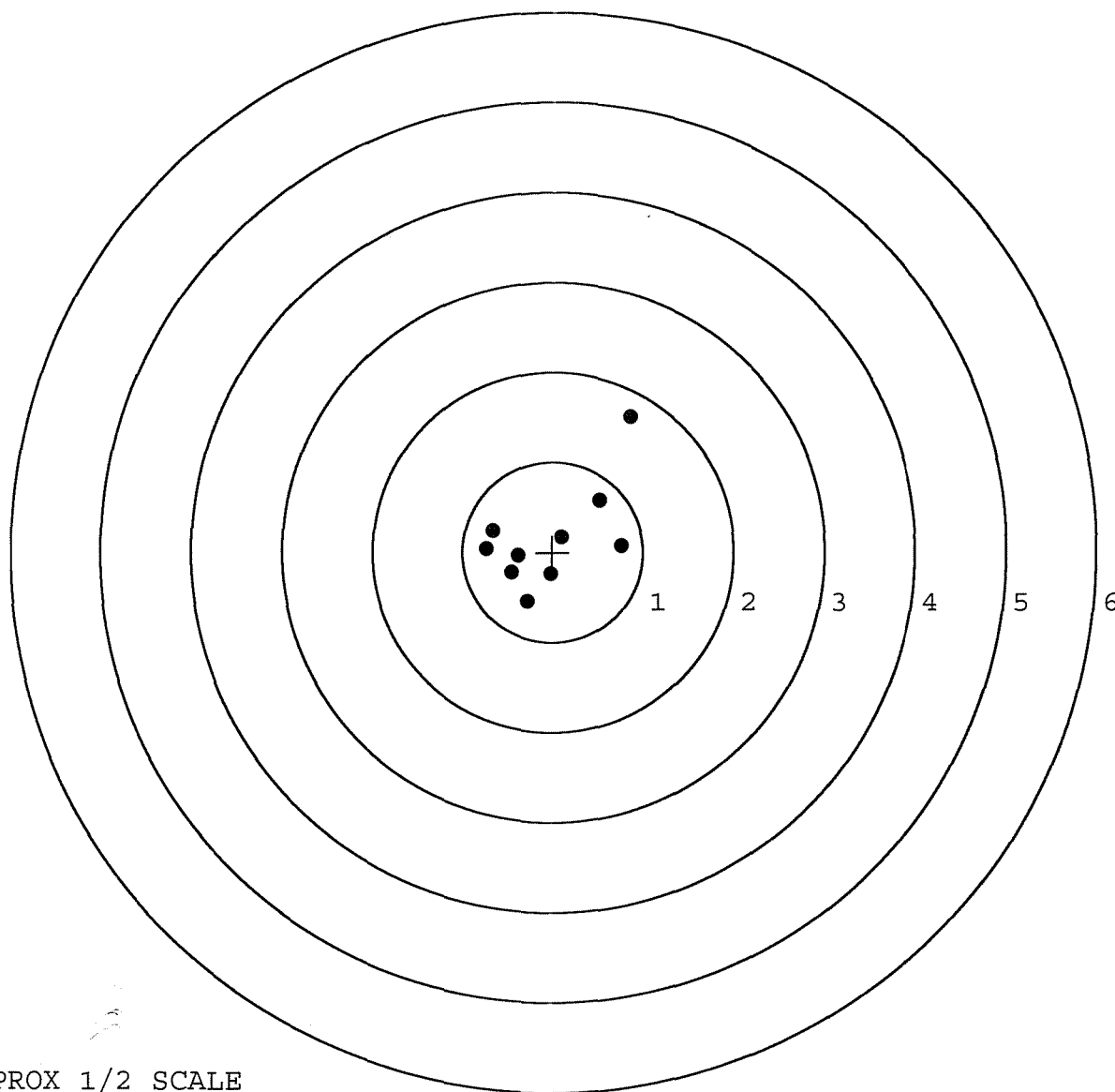


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577220. __0
 TARGET NUMBER: 5
 FILE DATE: 07/24/2006
 FILE TIME: 07:43

X CENTROID: -0.031
 Y CENTROID: 0.154
 POA TO CENTROID: 0.157
 HORZ SPREAD: 1.593
 VERT SPREAD: 2.053
 GROUP SPREAD: 2.347
 MIN RADIUS: 0.137
 MAX RADIUS: 1.614
 MEAN RADIUS: 0.672
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.855	1.503
2:	0.518	0.577
3:	0.765	0.078
4:	0.105	0.172
5:	-0.022	-0.240
6:	-0.283	-0.550
7:	-0.460	-0.229
8:	-0.386	-0.045
9:	-0.738	0.036
10:	-0.664	0.238



TARGET APPROX 1/2 SCALE

R & E NUMBER	113217	National Guard		
SERIAL NUMBER	EL703503	G 6577220		
LOG-IN DATE	6-5-06			
OPERATION #	OPERATION NAME	DATE	INITIAL	
500	DIS-ASSEMBLE GUN	6-26-06	AC	
505	RE-BARREL	6-26-06	AC	
560	ASSEMBLE	6-30-06	AC	
600	PROOF	MAGNA-FLUX INSPECTED 7-5-06	WTH	
605	CHECK HEADSPACE	7-5-06	WTH	
610	DIS-ASSEMBLE GUN	7-5-06	AC	
612	MAGNAFLUX	OPERATOR <i>WTH</i> 2/6/06	WTH	
510	DRILL AND TAP	7-6-06	TRW	
615	ROLLMARK CALIBER	7-7-06	CW	
618	ROTO-BLAST	7-7-06	LB	
620	APPLY COATINGS	7-7	HP	
625	FINAL ASSEMBLY	7-21-06	SPD	
640	FUNCTION TEST AND	PASS FAIL 7-24-06	WTH	
650	TARGET	PASS FAIL 7-24-06	WTH	
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION	7-24-06	TRW	
	A) HEADSPACE	PASS FAIL 8-1-06	RJZ	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 231 2.33 2.21 2.19 2.30	8-1-06	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 6.0 6.0 6.5	8-1-06	DA
	G) SAFETY OFF FORCE	2 LBS MIN 3.0 3.0 3.5	8-1-06	DA
	I) FIRING PIN INDENT	.020 .020 .020 .020	8-1-06	DA
690	PACK		8-1-06	DA

Remington®

MODEL 700™ M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

Made in Ilion, NY Reg. U.S. Pat & tm. Off. Marca Registrada Marque Depos.



5716 E6703503

ORDER

25716

MODEL 700™ M24

UPC



0 47700 25716 7

ORDER

25716

MODEL 700™ M24

UPC



0 47700 25716 7

SERIAL NO.



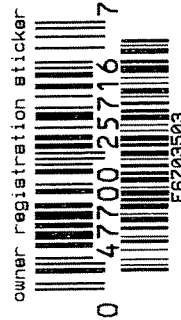
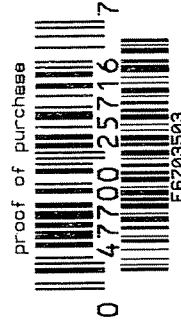
E6703503

MODEL 700™ M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

DOCUMENT ENVELOPE ASSEMBLY:

- INSTRUCTION BOOK
- PRODUCT OWNER'S CARD
- SAFETY BOOKLET

46 FORM 1444

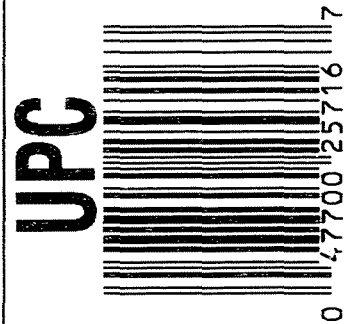


ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

E6703503



GUN SERIAL # E6703503

OP. #	OPERATION NAME	READINGS	DATE	INITIALS
575 & 580	ASSEMBLE ACTION AND STOCK		4-16-01	C/K
600	PROOF		4-16-01	CK
607	CHECK HEADSPACE		4-16-01	CK
610	DIS-ASSEMBLE GUN		4-16-01	CK
612	MAGNAFLUX BARREL ACTION		4-16-01	AC
	MAGNAFLUX BOLT		4-16-01	AC
615	ROLLMARK CALIBER		4-17-01	CK
617	DRILL AND TAP SIGHT HOLES		4-17-01	D.
618	POLISH BARREL		4-18-01	CK
620	APPLY COATINGS (BARREL ACTION)		4-18-01	TH
	(BOLT)		4-18-01	TH
625	FINAL ASSEMBLY A) CLEAN INSIDE OF BOLT ASSEMBLY		4-11-01	CK
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		4-12-01	CK
	C) INSPECT EJECTOR HOLE FOR CHAMFER		4-12-01	CK
	D) OIL FIRING PIN ASSEMBLY		4-12-01	CK
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		4-18-01	C

625	F) SAFETY ON FORCE	<u>60</u> <u>50</u> <u>50</u>	4/23/01	RH
CONT.	G) SAFETY OFF FORCE	<u>325</u> <u>350</u> <u>350</u>	4/23/01	RH
	H) TRIGGER PULL TEST AND RETAINABILITY		4/23/01	RH
	I) FIRING PIN INDENT	<u>022</u> <u>025</u> <u>021</u>	4/23/01	RH
	J) ASSEMBLE STOCK		4-16	C/C
	K) ASSEMBLE SWIVEL STUDS		8/14/01	RH
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		8/14/01	RH
	M) IRON SIGHT ALIGNMENT		8/14/01	RH
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		8/14/01	RH
640	GALLERY TEST AND TARGET		8/17/01	RW
	A) MALFUNCTIONS		8/17/01	RW
	B) PIERCED PRIMERS		8/17/01	RW
645	INSPECT FOR LIVE AMMO		8/17/01	RW
655	FINAL INSPECTION A) HEADSPACE		8/15/01	RH
	B) TRIGGER PULL	<u>243</u> <u>243</u> <u>241</u> <u>237</u> <u>235</u>	4/23/01	RH
	C) FUNCTION		8/15/01	RH
660	PACK		8/16/01	DA

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. E6703503DATE 4/16/01TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.45		2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.45		2.36	
PULL #3	2.34	2.52		2.42	
PULL #4	2.54	2.57		2.42	
PULL #5	2.63	2.49		2.42	
TOTAL	12.61	12.48		12.01	
AVG.	2.52	2.49		2.40	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.11		
PULL #2	3.05	3.03		
PULL #3	3.31	3.05		
PULL #4	3.08	3.05		
PULL #5	3.19	3.03		
TOTAL	15.81	15.27		
AVG.	3.16	3.05		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	4.19		4.04
PULL #2	4.10	4.00		4.05
PULL #3	4.10	4.00		4.04
PULL #4	4.14	4.00		3.98
PULL #5	4.19	3.95		4.00
TOTAL	20.59	20.14		20.11
AVG.	4.11	4.02		4.02

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703503
17 Apr 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.03
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.048
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0566039
THE AMR FOR THIS RIFLE IS: .8316

CENTROIDAL DISTANCES

0	TO	1	.336893
1	TO	2	.584247
1	TO	3	.648497
1	TO	4	.117614
1	TO	5	.394138

$$\begin{array}{c} 2 \\ 3 + \\ 5 \quad 4_1 \end{array} \quad \text{<----POA}$$

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .337

MIN RADIUS : .312

MEAN RADIUS : 1.040

MAX RADIUS : 1.804

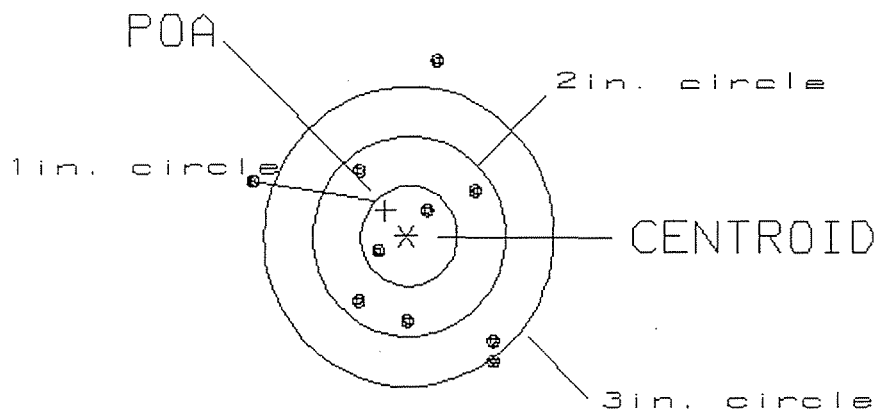
CENTROID X : .219

CENTROID Y : -.256

17 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703503

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.57

2

VS= 3.01

6

GS= 3.12

7

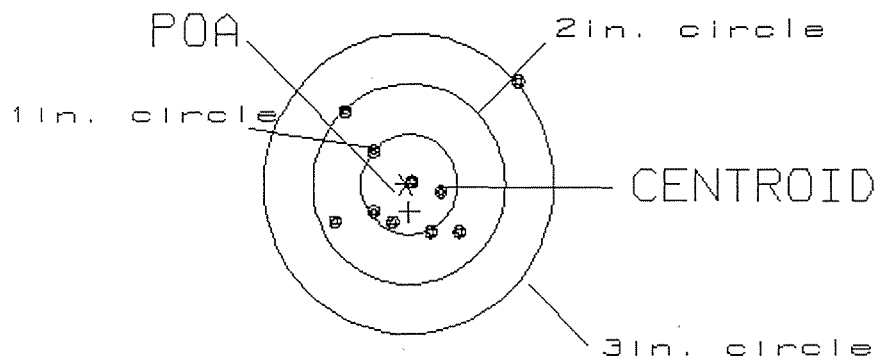
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .275
 MIN RADIUS : .025
 MEAN RADIUS : .639
 MAX RADIUS : 1.576
 CENTROID X : -.029
 CENTROID Y : .273

17 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703503

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.94
 VS= 1.55
 GS= 2.44

5
 9
 9

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .326

MIN RADIUS : .268

MEAN RADIUS : .836

MAX RADIUS : 1.240

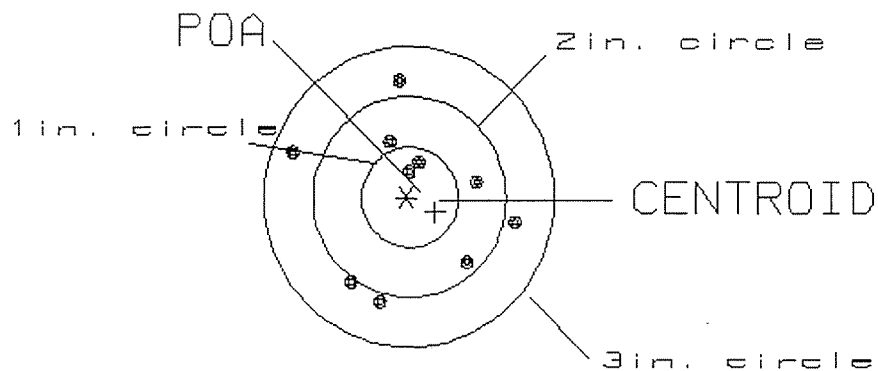
CENTROID X : -.293

CENTROID Y : .142

17 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703503

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.24

2

VS= 2.18

5

GS= 2.33

10

PATTERN #: 4

POA TO CENTROID: .223

MIN RADIUS : .028

MEAN RADIUS : .605

MAX RADIUS : 1.130

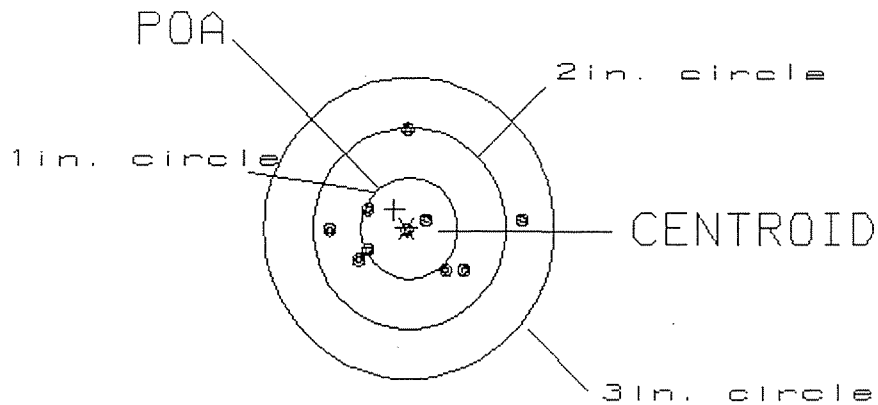
CENTROID X : .126

CENTROID Y : -.184

17 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703503

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 1.93

3

VS= 1.45

9

GS= 1.93

10

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .276

MIN RADIUS : .205

MEAN RADIUS : 1.038

MAX RADIUS : 2.192

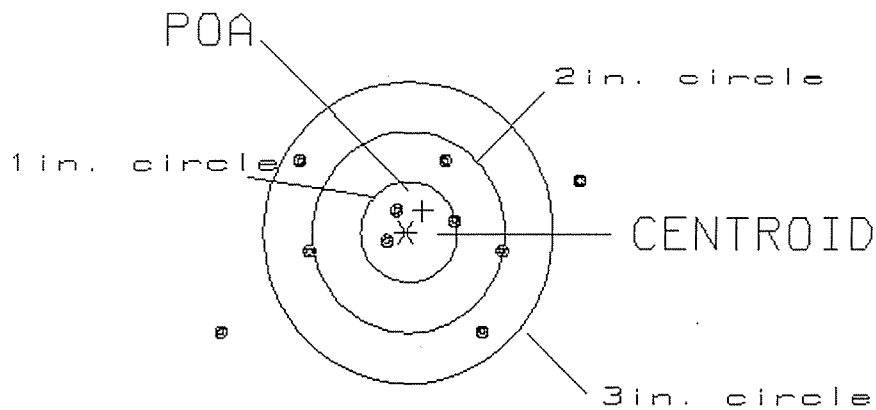
CENTROID X : -.173

CENTROID Y : -.215

17 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703503

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.68

3

VS= 1.77

4

GS= 4.00

8