

E 637 4553

new

C 622 5233

old









 3:17 PM

RE00062402

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: E6374553.__0

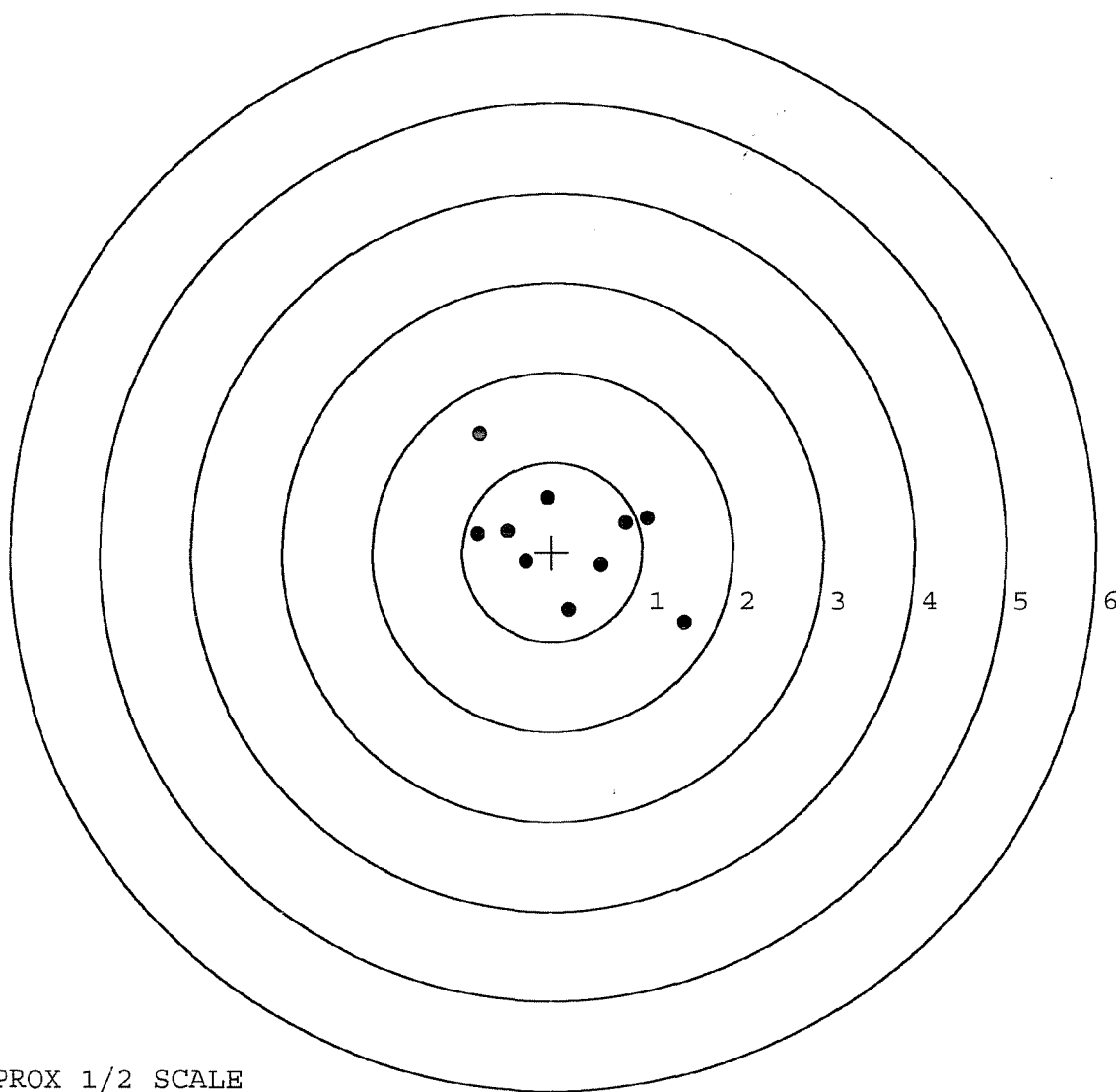
FILE DATE AND TIME: 03/21/2003 15:05

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.055
The Average Y Centroid of the Five Target Set:	0.030
The Average Point of Impact of the Five Target Set:	0.063
The Average Mean Radius of the Five Target Set:	0.539
The Distance from POA to Centroid Target #1:	0.207
The Distance from Centroid Target #2 to Centroid Target #1:	0.237
The Distance from Centroid Target #3 to Centroid Target #1:	0.196
The Distance from Centroid Target #4 to Centroid Target #1:	0.174
The Distance from Centroid Target #5 to Centroid Target #1:	0.234

SERIAL NUMBER: E6374553. __0
TARGET NUMBER: 1
FILE DATE: 03/21/2003
FILE TIME: 15:05

	POINT#	X	Y
	1:	1.462	-0.793
	2:	0.546	-0.143
	3:	1.049	0.375
	4:	0.808	0.325
	5:	0.186	-0.653
	6:	-0.288	-0.103
	7:	-0.502	0.232
	8:	-0.834	0.197
	9:	-0.059	0.611
	10:	-0.807	1.316
X CENTROID:		0.156	
Y CENTROID:		0.136	
POA TO CENTROID:		0.207	
HORZ SPREAD:		2.296	
VERT SPREAD:		2.109	
GROUP SPREAD:		3.098	
MIN RADIUS:		0.480	
MAX RADIUS:		1.603	
MEAN RADIUS:		0.868	
# IN 1 IN DIAMETER:		1	
# IN 2 IN DIAMETER:		8	
# in 3 IN DIAMETER:		8	

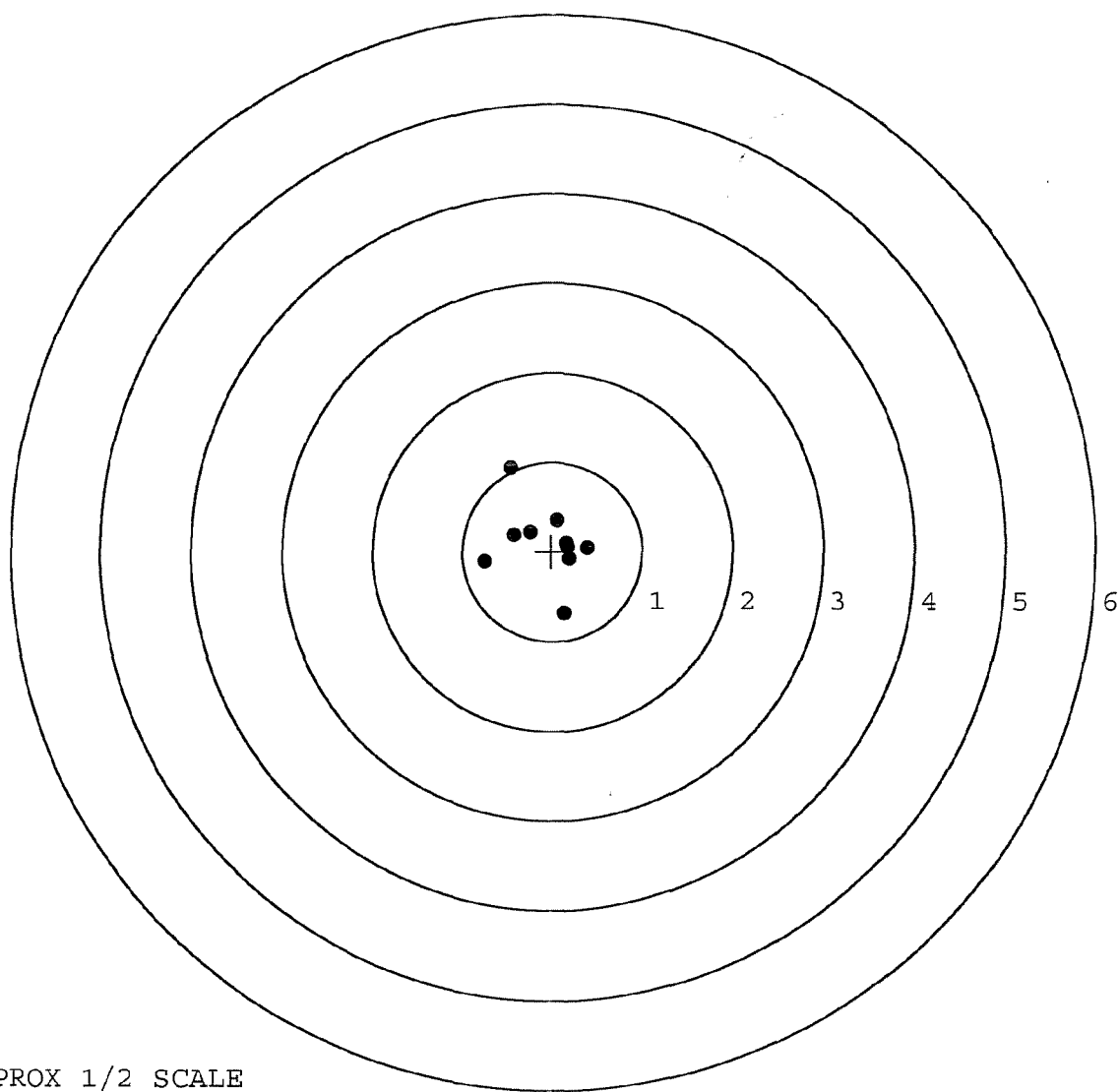


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6374553. __0
TARGET NUMBER: 2
FILE DATE: 03/21/2003
FILE TIME: 15:05

X CENTROID: -0.078
Y CENTROID: 0.097
POA TO CENTROID: 0.125
HORZ SPREAD: 1.138
VERT SPREAD: 1.630
GROUP SPREAD: 1.738
MIN RADIUS: 0.211
MAX RADIUS: 0.925
MEAN RADIUS: 0.462
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.137	-0.693
2:	-0.750	-0.114
3:	-0.433	0.184
4:	-0.465	0.937
5:	0.388	0.044
6:	0.198	-0.088
7:	0.165	0.088
8:	0.056	0.353
9:	-0.252	0.217
10:	0.178	0.046

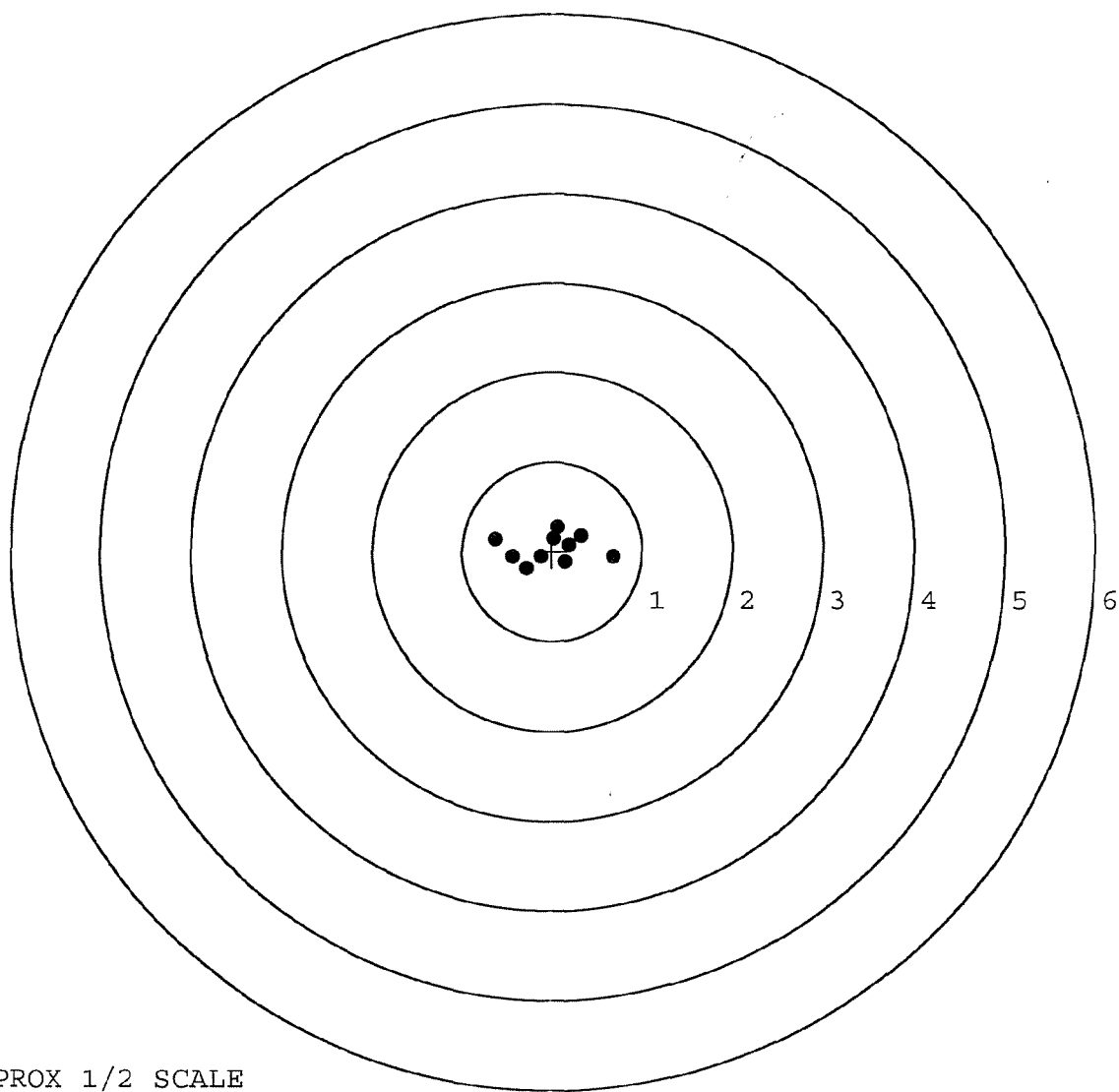


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6374553. __0
TARGET NUMBER: 3
FILE DATE: 03/21/2003
FILE TIME: 15:05

X CENTROID: -0.007
Y CENTROID: 0.027
POA TO CENTROID: 0.028
HORZ SPREAD: 1.323
VERT SPREAD: 0.466
GROUP SPREAD: 1.338
MIN RADIUS: 0.119
MAX RADIUS: 0.697
MEAN RADIUS: 0.343
IN 1 IN DIAMETER: 8
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.684	-0.064
2:	0.323	0.169
3:	0.060	0.267
4:	-0.639	0.135
5:	-0.437	-0.066
6:	-0.286	-0.199
7:	0.150	-0.117
8:	-0.132	-0.061
9:	0.187	0.067
10:	0.018	0.144

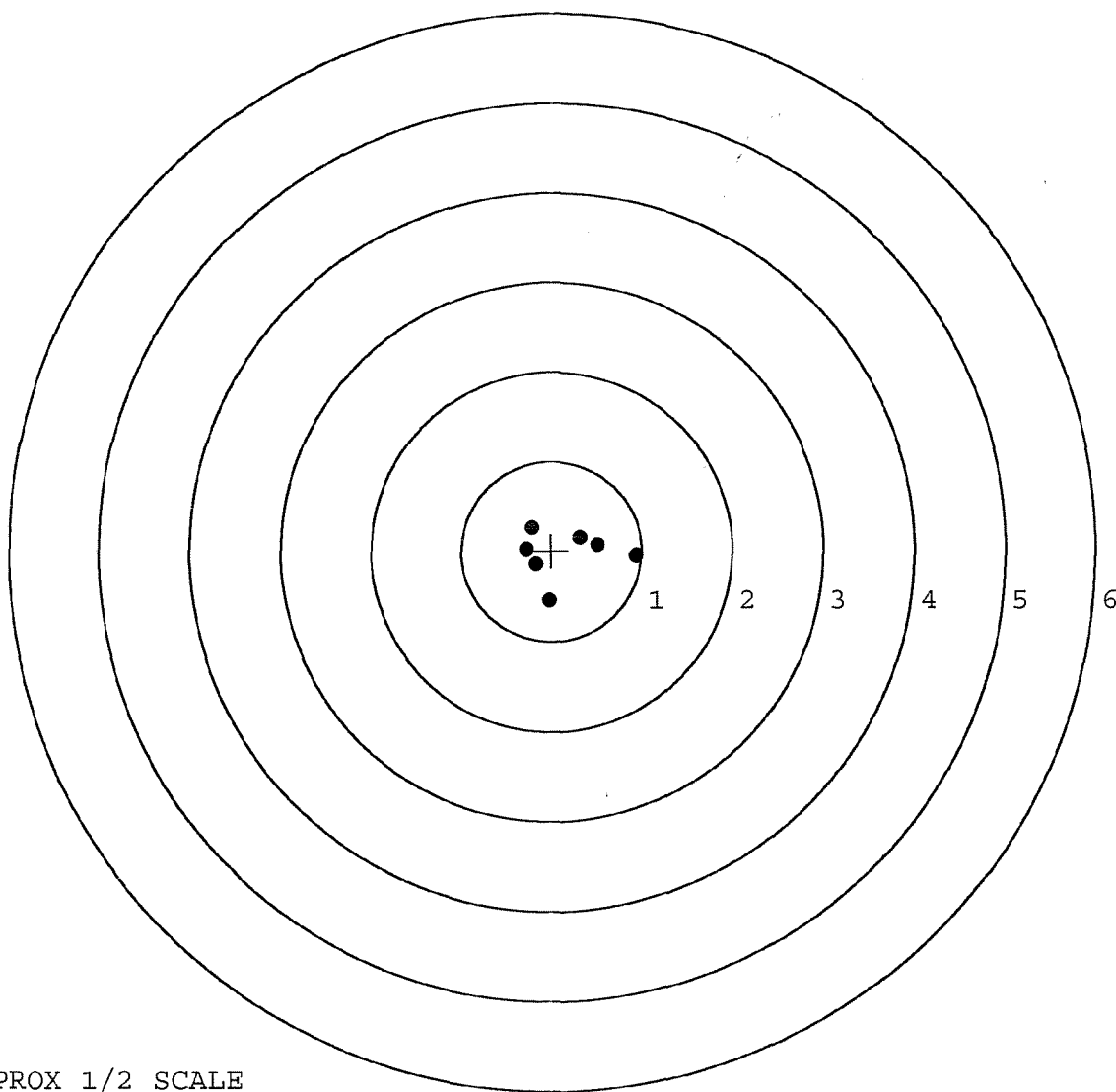


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6374553. __0
TARGET NUMBER: 4
FILE DATE: 03/21/2003
FILE TIME: 15:05

X CENTROID: 0.153
Y CENTROID: -0.037
POA TO CENTROID: 0.157
HORZ SPREAD: 1.225
VERT SPREAD: 0.816
GROUP SPREAD: 1.227
MIN RADIUS: 0.248
MAX RADIUS: 0.788
MEAN RADIUS: 0.459
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.941	-0.054
2:	0.510	0.072
3:	0.314	0.151
4:	-0.023	-0.556
5:	-0.218	0.260
6:	-0.284	0.017
7:	-0.170	-0.152

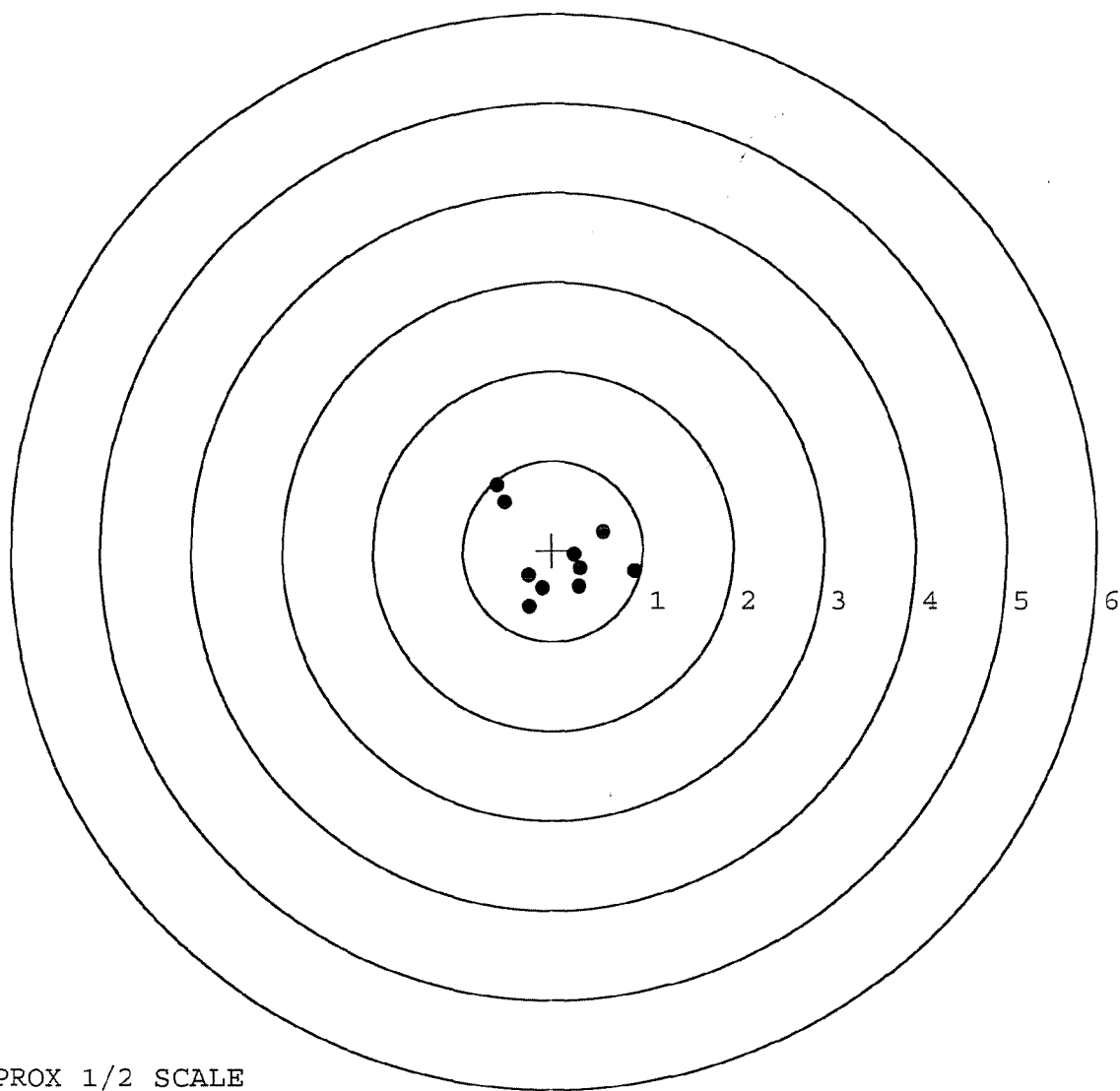


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6374553. __0
TARGET NUMBER: 5
FILE DATE: 03/21/2003
FILE TIME: 15:05

X CENTROID: 0.049
Y CENTROID: -0.072
POA TO CENTROID: 0.087
HORZ SPREAD: 1.532
VERT SPREAD: 1.352
GROUP SPREAD: 1.811
MIN RADIUS: 0.195
MAX RADIUS: 1.047
MEAN RADIUS: 0.564
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.909	-0.233
2:	0.556	0.209
3:	0.243	-0.053
4:	0.295	-0.395
5:	-0.273	-0.278
6:	-0.120	-0.415
7:	-0.265	-0.620
8:	-0.540	0.538
9:	-0.623	0.732
10:	0.307	-0.200



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	62402		
SERIAL NUMBER	E6374553		
LOG-IN DATE	2-28-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-4-03	RTL
560 A	RE-BARREL	3-5-03	RTL
B	DRILL AND TAP	3-6-03	TRW
575	ASSEMBLE	3-5-03	RTL
600	PROOF	3-5-03	AC
605	CHECK HEADSPACE	3-5-03	AC
610	DIS-ASSEMBLE GUN	3-5-03	AC
612	MAGNAFLUX	3-7-03	JD
615	ROLLMARK CALIBER	3-7-03	JB
618	ROTO-BLAST	3-10-03	KO
620	APPLY COATINGS	3-18	TA
625 A	FINAL ASSEMBLY	3-19-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	3-20-03	TRW
655	FINAL INSPECT	3-21-03	RTL
660	PACK	3-21-03	DA
		SHIP DATE	
	QAR INSPECTION DATE		

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 98-05054

INITIAL

CUSTOMER ORDER NO.

WOG 6 OF 23

JLM

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

02/24/98

02/24/98

~~64225235~~

E6374553

700 7.62

NATO

ACCESSORIES

W/STUDS

SCOPE BASE

FROM:

SHIP TO:

SUPPLY & SERVICES DIV
D O L WAREHOUSE J 2535 A1
KNOX ST
FT BRAGG NC 28307

SUPPLY & SERVICES DIV
D O L WAREHOUSE J 2535 A1
KNOX ST
FT BRAGG NC 28307

CUST NO: 113830 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

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

B1

TRIGGER GROUP

B1

BOLT ASSY.

B1

BARREL ASSY.

B1

REC. ASSY.

B1

WOOD

B1

METAL

B1

MAIN FAULT

PARTS

COMMENTS

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

R05925 REV. 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400128561

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # E6374553
19 May 1998

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1296
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0744
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .149437

THE AMR FOR THIS RIFLE IS: 1.182

CENTROIDAL DISTANCES

0 TO	1	.44601
1 TO	2	.370061
1 TO	3	.390487
1 TO	4	.531703
1 TO	5	.233927

5 1
+3 2 <----POA
4

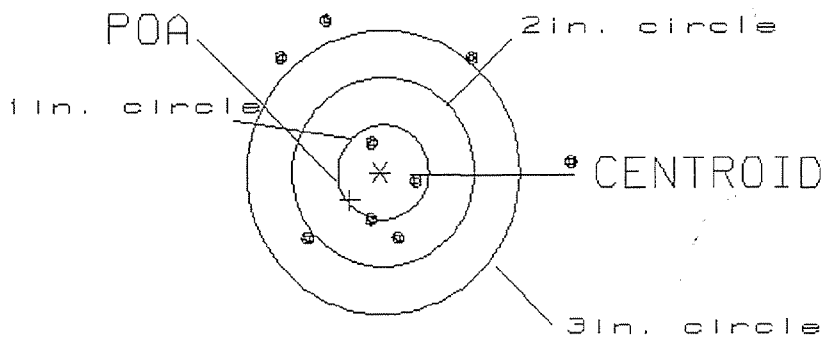
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .446
 MIN RADIUS : .361
 MEAN RADIUS : 1.270
 MAX RADIUS : 2.684
 CENTROID X : .338
 CENTROID Y : .291

19 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374553.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.18
 VS= 4.23
 GS= 4.23

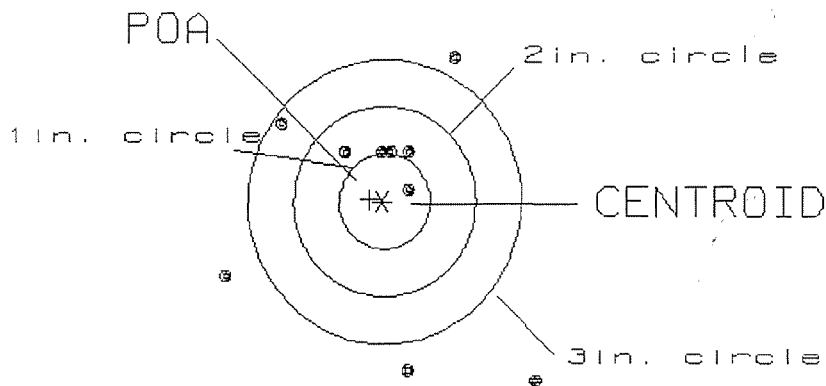
2
 4
 5

PATTERN #: 2
 POA TO CENTROID: .140
 MIN RADIUS : .322
 MEAN RADIUS : 1.199
 MAX RADIUS : 2.512
 CENTROID X : .139
 CENTROID Y : -.021

19 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374553.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.34
 VS= 3.47
 GS= 3.89

1
 5
 6

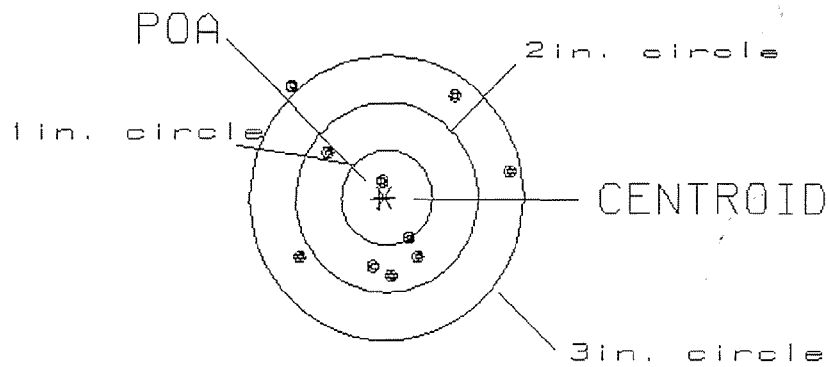
PATTERN #: 3

POA TO CENTROID: .059
 MIN RADIUS : .180
 MEAN RADIUS : .899
 MAX RADIUS : 1.521
 CENTROID X : .054
 CENTROID Y : .023

19 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/EG374553.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.36

2

VS= 1.95

6

GS= 2.53

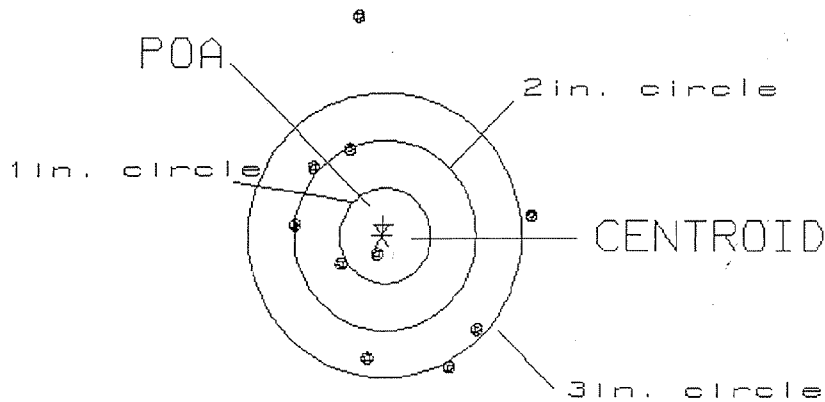
9

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .111
 MIN RADIUS : .252
 MEAN RADIUS : 1.218
 MAX RADIUS : 2.364
 CENTROID X : -.010
 CENTROID Y : -.111

19 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374553.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.59
 VS= 3.73
 GS= 3.86

1
 3
 7

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .229

MIN RADIUS : .552

MEAN RADIUS : 1.326

MAX RADIUS : 2.731

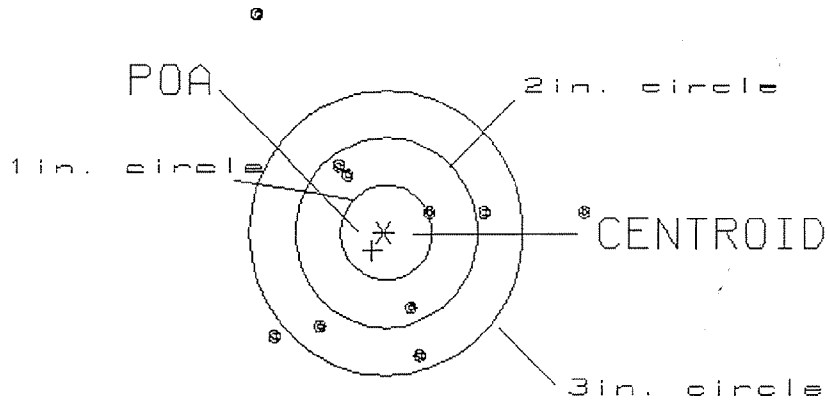
CENTROID X : .127

CENTROID Y : .190

19 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374553.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.61

0

VS= 3.62

4

GS= 4.16

7

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # E6374553
13 May 1998

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1212
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .179
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .216172

THE AMR FOR THIS RIFLE IS: 1.375

REJECT

CENTROIDAL DISTANCES

Ø TO 1	.424802
1 TO 2	.221712
1 TO 3	.347508
1 TO 4	.329371
1 TO 5	.356854

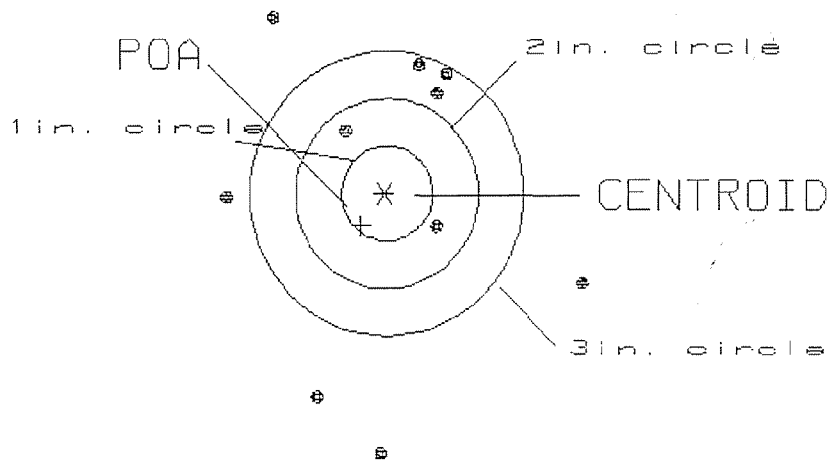
$\frac{2}{3} \frac{1}{p}$ 4 <----POA

PATTERN #: 1
 POA TO CENTROID: .425
 MIN RADIUS : .682
 MEAN RADIUS : 1.681
 MAX RADIUS : 2.725
 CENTROID X : .256
 CENTROID Y : .339

13 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374553

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.85

0

VS= 4.57

2

GS= 4.73

5

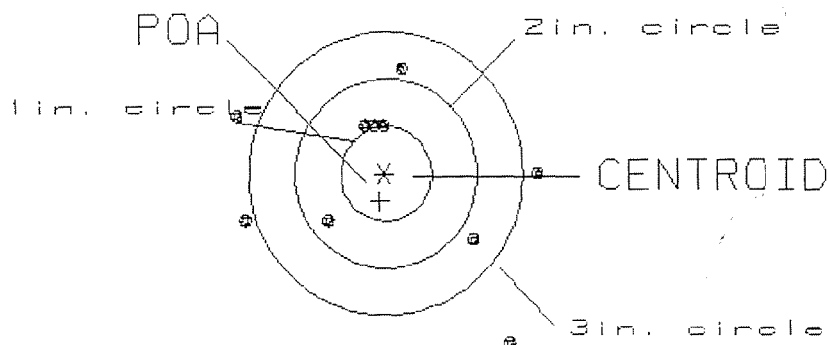
PATTERN #: 2

POA TO CENTROID: .291
 MIN RADIUS : .542
 MEAN RADIUS : 1.218
 MAX RADIUS : 2.253
 CENTROID X : .040
 CENTROID Y : .289

13 May 1998

FILE://Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374553

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.33

0

VS= 2.91

4

GS= 3.87

6

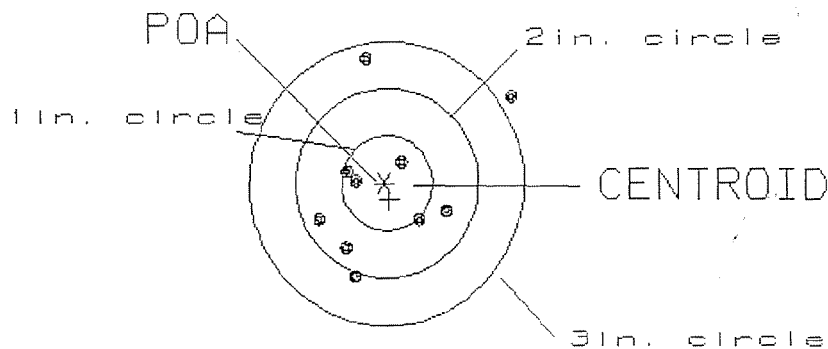
PATTERN #: 3

POA TO CENTROID: .188
 MIN RADIUS : .305
 MEAN RADIUS : .798
 MAX RADIUS : 1.600
 CENTROID X : -.053
 CENTROID Y : .180

13 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374553

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.06

3

VS= 2.29

6

GS= 2.44

9

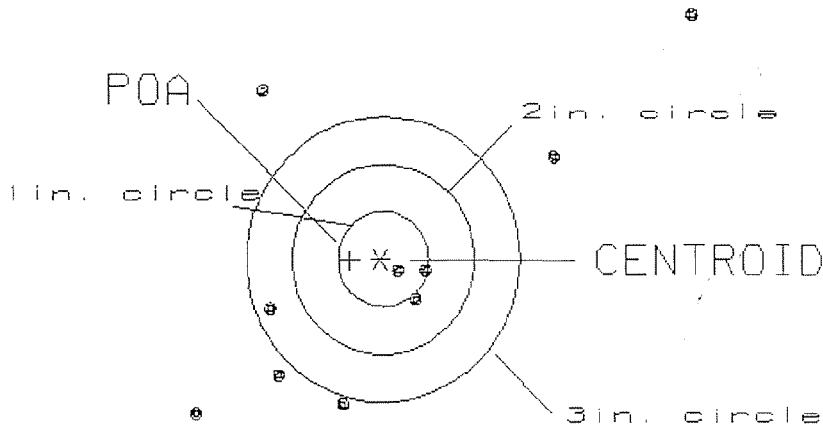
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .339
 MIN RADIUS : .215
 MEAN RADIUS : 1.705
 MAX RADIUS : 4.195
 CENTROID X : .338
 CENTROID Y : .020

13 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374553

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 5.37

1

VS= 4.10

3

GS= 6.76

4

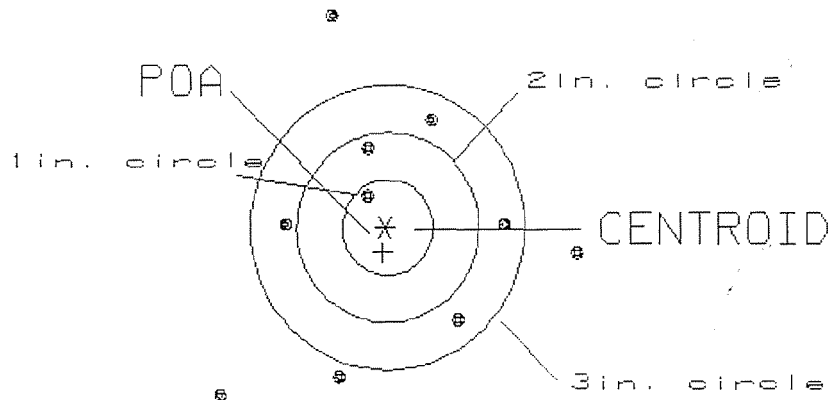
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .268
 MIN RADIUS : .374
 MEAN RADIUS : 1.472
 MAX RADIUS : 2.555
 CENTROID X : .025
 CENTROID Y : .267

13 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374553

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.88

1

VS= 4.05

2

GS= 4.22

6