

E 637 4541 New

C 622 5364 000

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00085593** Serial: E6374541 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 9/28/2004 2:35:35 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **C CO SPT BN 1ST SWTG A** **C CO SPT BN 1ST SWTG A**

Address 1: **AHN ARMAMENT FACILITY** **AHN ARMAMENT FACILITY**

Address 2: PO Box: PO Box:

City: **FT BRAGG** **FT 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: Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Bases	3

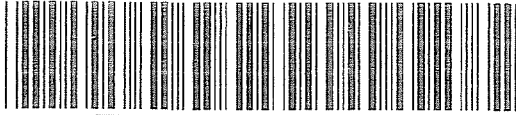
Repair Search Refresh Close

negletj 9/28/2004 2:51 PM CAPS NUM INS SCPL

start 2 3 4

Serial Number: **E6374541**

Model: **M24 SWS**



RE00085593

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

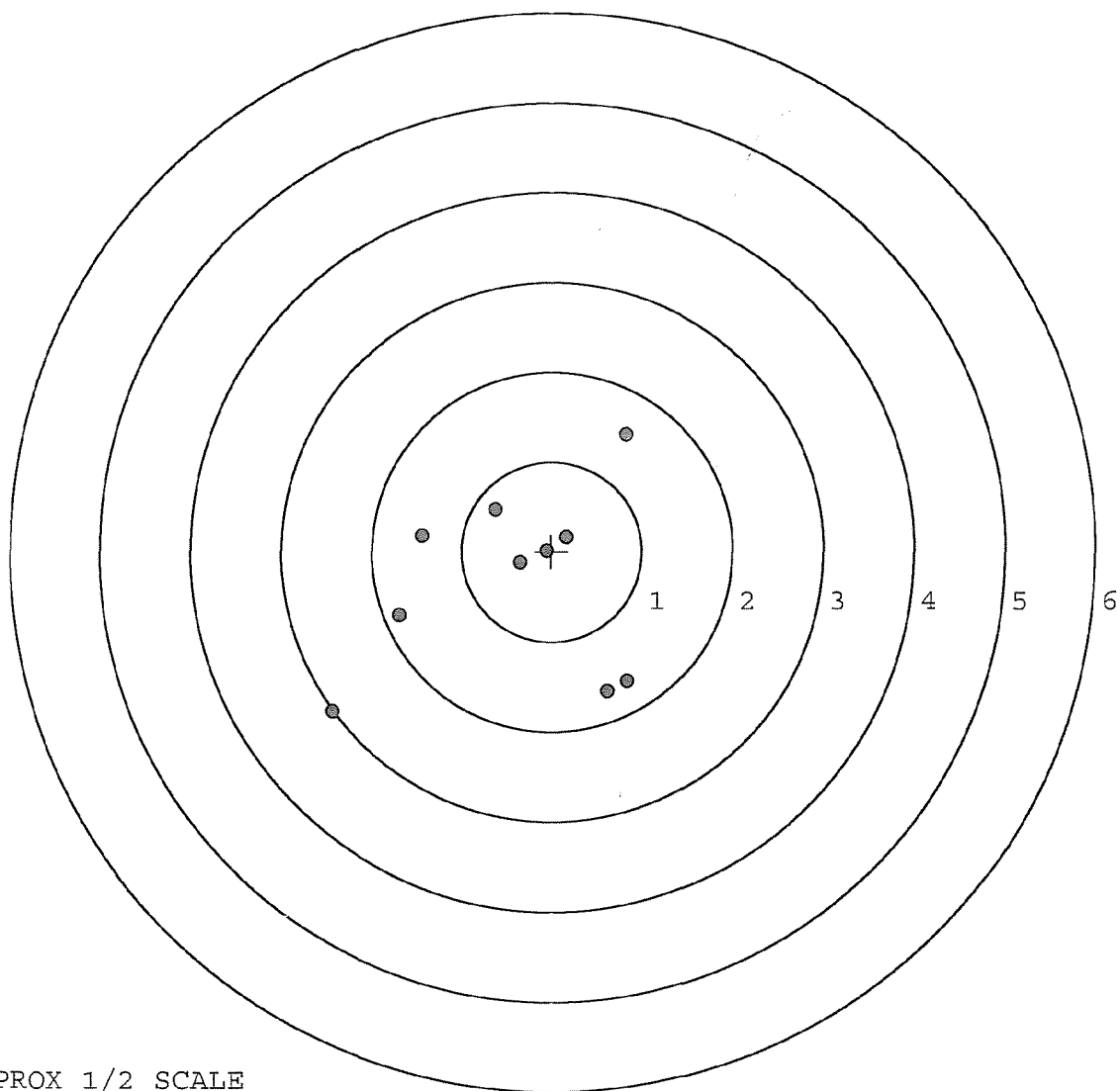
FIREARM SERIAL NUMBER / DATASET NAME: E6374541.__0
FILE DATE AND TIME: 10/19/2004 06:47

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.091
The Average Y Centroid of the Five Target Set:	-0.106
The Average Point of Impact of the Five Target Set:	0.140
The Average Mean Radius of the Five Target Set:	0.762
The Distance from POA to Centroid Target #1:	0.546
The Distance from Centroid Target #2 to Centroid Target #1:	0.476
The Distance from Centroid Target #3 to Centroid Target #1:	0.591
The Distance from Centroid Target #4 to Centroid Target #1:	0.492
The Distance from Centroid Target #5 to Centroid Target #1:	0.513

SERIAL NUMBER: E6374541.____0
TARGET NUMBER: 1
FILE DATE: 10/19/2004
FILE TIME: 06:47

	POINT#	X	Y
	1:	0.840	-1.443
	2:	0.615	-1.557
	3:	-1.695	-0.709
	4:	-2.439	-1.783
	5:	-1.450	0.176
	6:	0.824	1.304
	7:	-0.632	0.469
	8:	0.164	0.156
	9:	-0.059	0.005
	10:	-0.347	-0.132
X CENTROID:		-0.418	
Y CENTROID:		-0.351	
POA TO CENTROID:		0.546	
HORZ SPREAD:		3.279	
VERT SPREAD:		3.087	
GROUP SPREAD:		4.492	
MIN RADIUS:		0.231	
MAX RADIUS:		2.477	
MEAN RADIUS:		1.264	
# IN 1 IN DIAMETER:		1	
# IN 2 IN DIAMETER:		4	
# in 3 IN DIAMETER:		6	

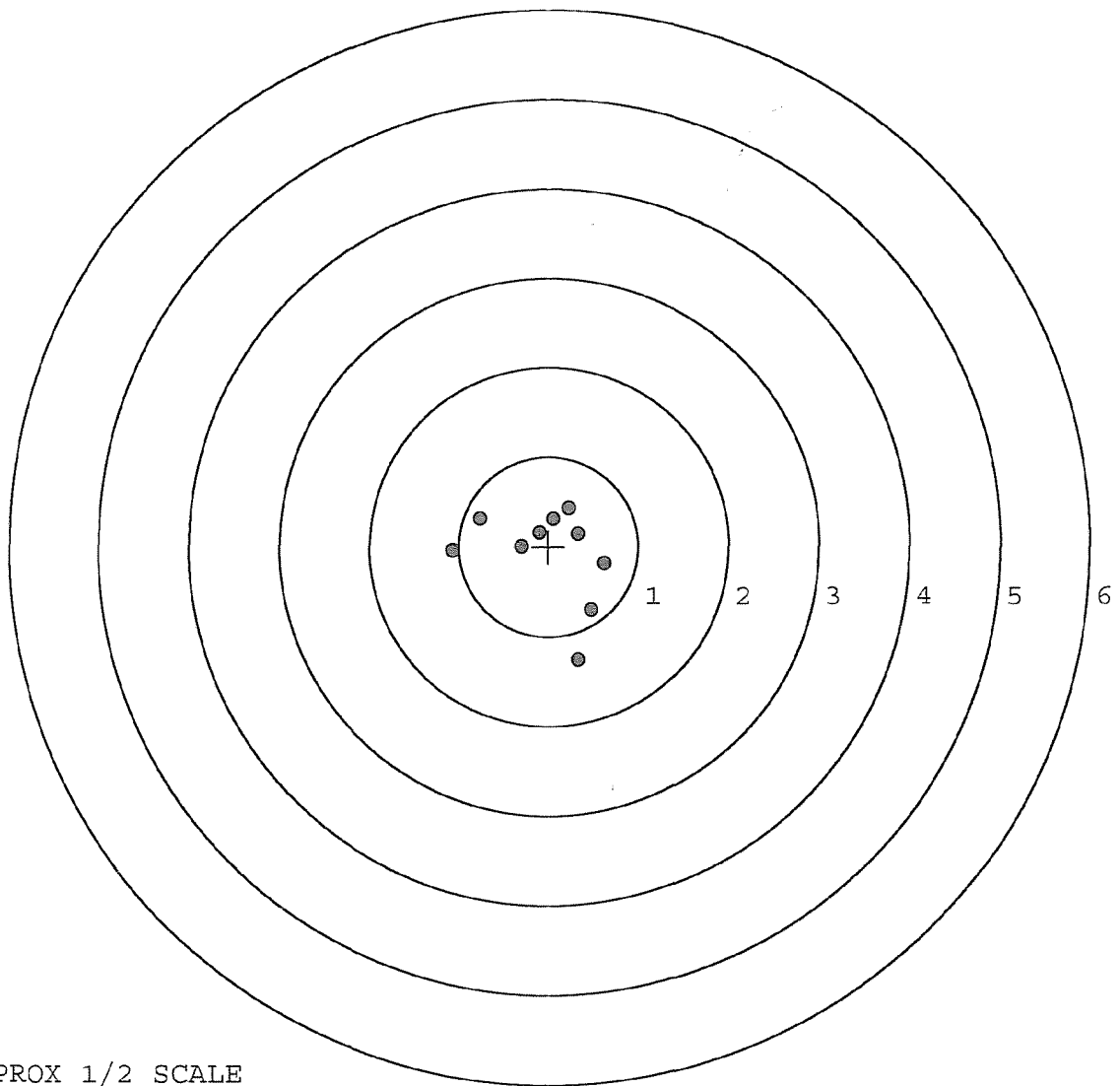


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6374541. __0
TARGET NUMBER: 2
FILE DATE: 10/19/2004
FILE TIME: 06:47

X CENTROID: -0.023
Y CENTROID: -0.086
POA TO CENTROID: 0.088
HORZ SPREAD: 1.692
VERT SPREAD: 1.688
GROUP SPREAD: 1.922
MIN RADIUS: 0.257
MAX RADIUS: 1.226
MEAN RADIUS: 0.651
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

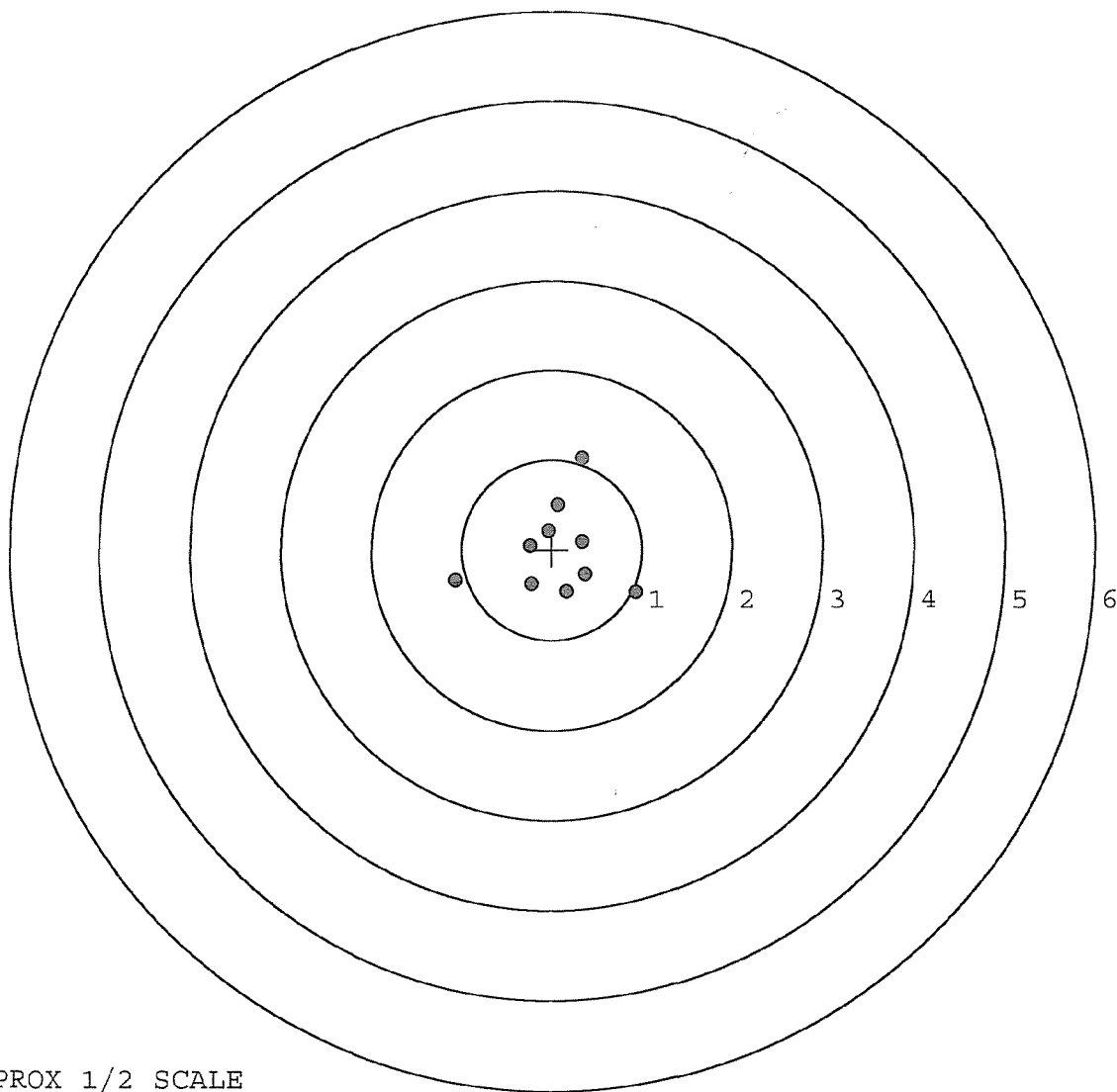
POINT#	X	Y
1:	0.329	-1.260
2:	0.478	-0.712
3:	0.625	-0.193
4:	0.321	0.145
5:	-0.772	0.315
6:	-1.067	-0.045
7:	0.223	0.428
8:	0.051	0.310
9:	-0.113	0.155
10:	-0.301	0.002



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6374541. __0
TARGET NUMBER: 3
FILE DATE: 10/19/2004
FILE TIME: 06:47

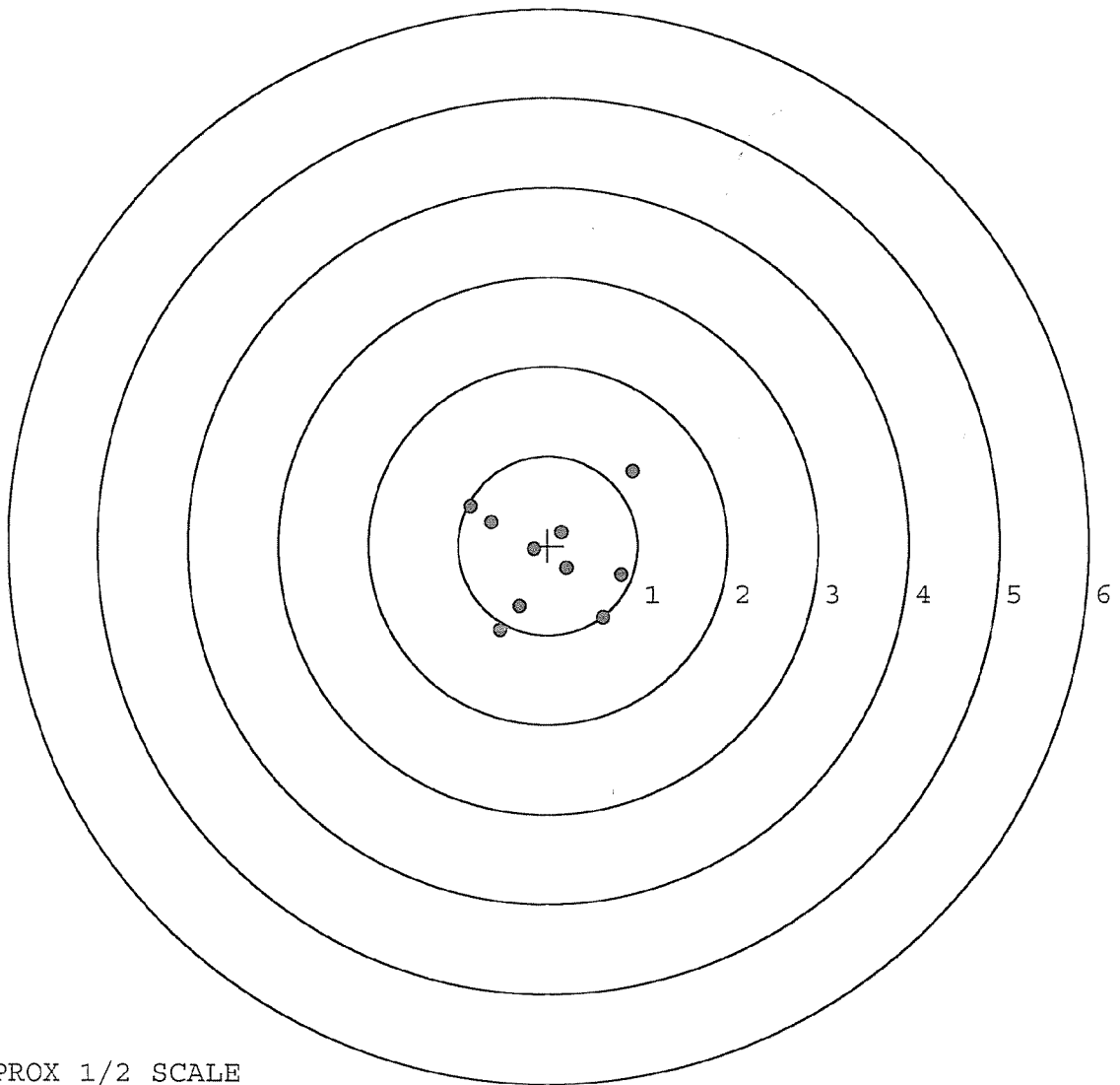
	POINT#	X	Y
	1:	0.929	-0.474
	2:	-1.064	-0.345
	3:	0.334	1.014
	4:	0.334	0.088
	5:	0.376	-0.278
	6:	0.169	-0.472
	7:	0.071	0.499
	8:	-0.039	0.212
	9:	-0.244	0.043
	10:	-0.224	-0.386
X CENTROID:		0.064	
Y CENTROID:		-0.010	
POA TO CENTROID:		0.065	
HORZ SPREAD:		1.993	
VERT SPREAD:		1.488	
GROUP SPREAD:		1.997	
MIN RADIUS:		0.245	
MAX RADIUS:		1.177	
MEAN RADIUS:		0.593	
# IN 1 IN DIAMETER:		6	
# IN 2 IN DIAMETER:		8	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6374541. __0
TARGET NUMBER: 4
FILE DATE: 10/19/2004
FILE TIME: 06:47

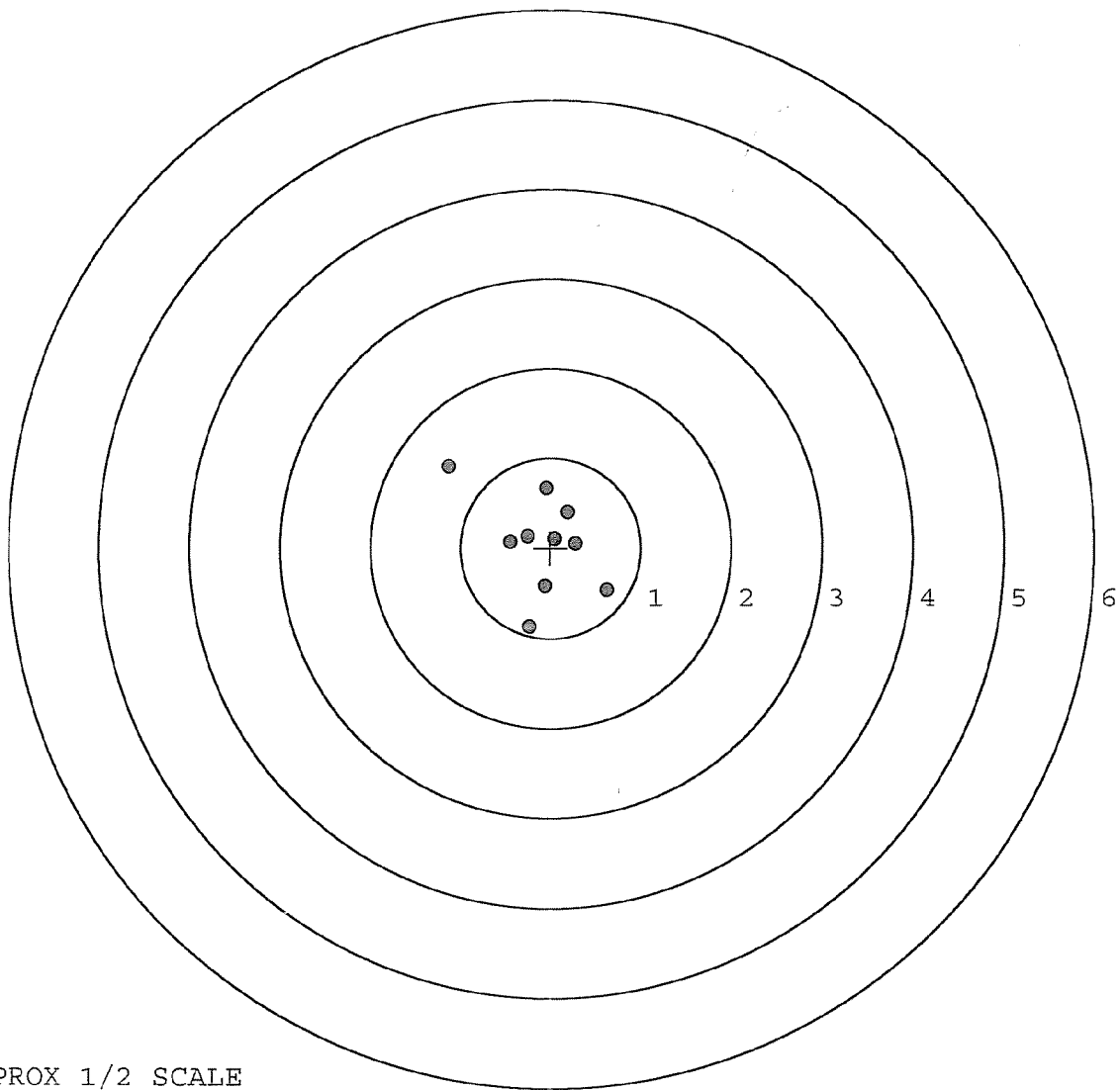
	POINT#	X	Y
	1:	0.616	-0.813
	2:	0.819	-0.329
	3:	0.213	-0.255
	4:	0.945	0.831
X CENTROID:	5:	0.160	0.147
Y CENTROID:	6:	-0.157	-0.041
POA TO CENTROID:	7:	-0.319	-0.684
HORZ SPREAD:	8:	-0.529	-0.950
VERT SPREAD:	9:	-0.628	0.266
GROUP SPREAD:	10:	-0.866	0.446
MIN RADIUS:		0.207	
MAX RADIUS:		1.336	
MEAN RADIUS:		0.725	
# IN 1 IN DIAMETER:		3	
# IN 2 IN DIAMETER:		8	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6374541. __0
TARGET NUMBER: 5
FILE DATE: 10/19/2004
FILE TIME: 06:47

	POINT#	X	Y
	1:	0.625	-0.471
	2:	-0.066	-0.425
	3:	-0.238	-0.875
	4:	-0.051	0.665
X CENTROID:	5:	-1.130	0.904
Y CENTROID:	6:	0.193	0.395
POA TO CENTROID:	7:	0.276	0.052
HORZ SPREAD:	8:	-0.452	0.070
VERT SPREAD:	9:	-0.254	0.128
GROUP SPREAD:	10:	0.052	0.104
MIN RADIUS:			0.164
MAX RADIUS:			1.332
MEAN RADIUS:			0.577
# IN 1 IN DIAMETER:			6
# IN 2 IN DIAMETER:			9
# in 3 IN DIAMETER:			10



TARGET APPROX 1/2 SCALE

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

USAPPC V1.10

M2400128401

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

R & E NUMBER	85593		
SERIAL NUMBER	E6374541		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-28-04	RTL
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRLW
575	ASSEMBLE	10-6-04	RTL
600	PROOF	10-7-04	RTL
605	CHECK HEADSPACE	10-7-04	RTL
610	DIS-ASSEMBLE GUN	10-7-04	RTL
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	10-11-04	SB/CW
618	ROTO-BLAST	10-11-04	LB
620	APPLY COATINGS	10/14/04	HP
625 A	FINAL ASSEMBLY	10-18-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-19-04	TRLW
655	FINAL INSPECT	10-25-04	RTL
660	PACK	11-5-04	DA
		SHIP DATE	
	QAR INSPECTION DATE		

Arms Services Repair & Estimate System

File: Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00023087** Serial: **E6374541** Model: **700** Center Fire Caliber: **7.62 NATO M-24 (SWS)** Repairman: Status: **Closed 2/16/01 10:41:49 AM**

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **C CO SPT BN** **C CO SPT BN**

Address 1: **USA JFK SWCS** **USA JFK SWCS**

Address 2: PO Box: PO Box:

City: **FT BRAGG** **FT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

FPL:

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing																		
Contact Information Phone: Fax: Email: Comments:	Received Condition Condition: Poor Notes: CSR Notes:	Accessories Received <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>1</td> </tr> <tr> <td>A008</td> <td>With Swivel</td> <td>1</td> </tr> <tr> <td>A016</td> <td>Scope Mounts</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Stud	1	A008	With Swivel	1	A016	Scope Mounts	1	A017	Scope Base	1	A026	Scope	1
Code	Desc	Qty																				
A007	With Stud	1																				
A008	With Swivel	1																				
A016	Scope Mounts	1																				
A017	Scope Base	1																				
A026	Scope	1																				

Repair Search **Refresh** **Close**

maglet 2/17/01 7:45 AM CAPS NUM INS SCRL

Start NIS Inf... Expl... Part... SA... Ar... Nag... Ne... 7:45 AM

Serial Number: **E6374541**

Model: **700**



RE00023087

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6374541
2 Apr 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0484
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0654
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0813617

THE AMR FOR THIS RIFLE IS: 1.07

CENTROIDAL DISTANCES

0	TO	1	.259625
1	TO	2	.134373
1	TO	3	.335876
1	TO	4	.317718
1	TO	5	.156924

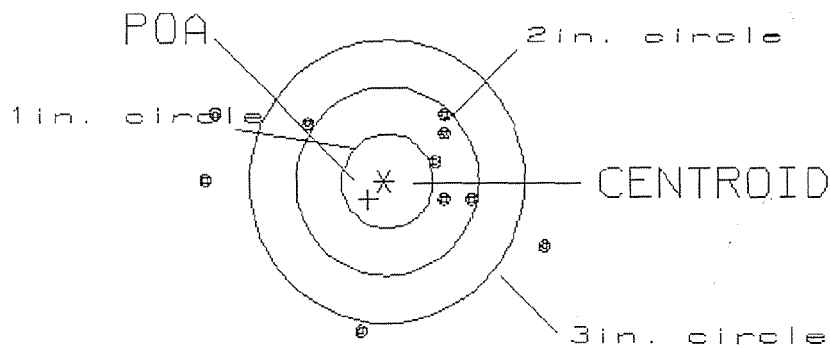
$4\frac{5}{3}$ <----POA

PATTERN #: 1
 POA TO CENTROID: .260
 MIN RADIUS : .568
 MEAN RADIUS : 1.246
 MAX RADIUS : 1.985
 CENTROID X : .178
 CENTROID Y : .189

2 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6374541

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.73
 VS= 2.35
 GS= 3.84

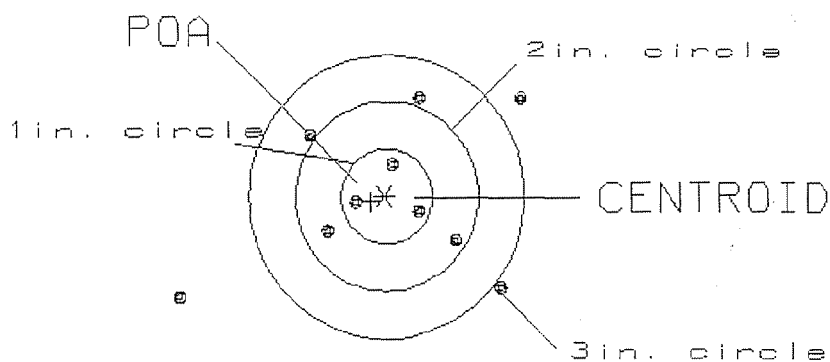
0
 5
 6

PATTERN #: 020
 POA TO CENTROID: .156
 MIN RADIUS : .392
 MEAN RADIUS : 1.079
 MAX RADIUS : 2.505
 CENTROID X : .144
 CENTROID Y : .059

2 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6374541

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.69

3

VS= 2.05

5

GS= 4.22

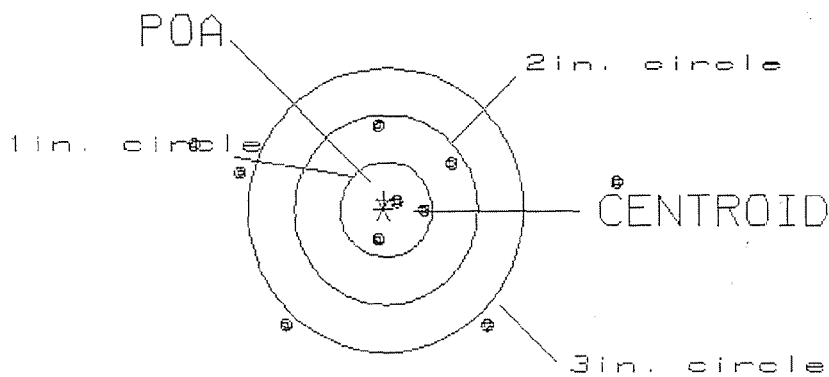
7

PATTERN #: L 3 □
 POA TO CENTROID: .088
 MIN RADIUS : .164
 MEAN RADIUS : 1.229
 MAX RADIUS : 2.566
 CENTROID X : -.012
 CENTROID Y : -.087

2 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6374541

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 4.60

3

VS= 2.08

5

GS= 4.61

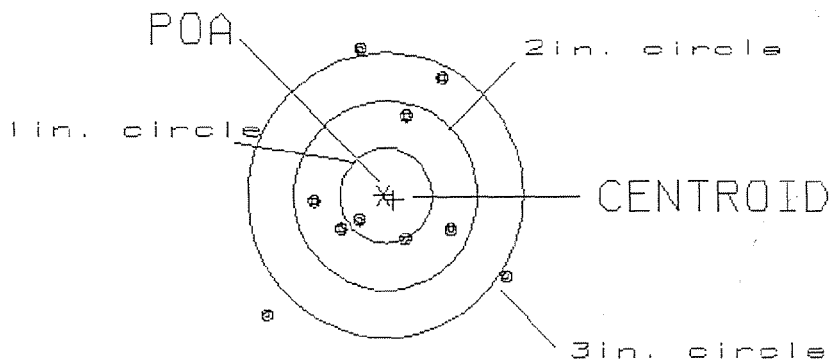
5

PATTERN #: 4
 POA TO CENTROID: .125
 MIN RADIUS : .359
 MEAN RADIUS : 1.014
 MAX RADIUS : 1.805
 CENTROID X : -.111
 CENTROID Y : .057

2 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6374541

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.62

2

VS= 2.77

6

GS= 3.12

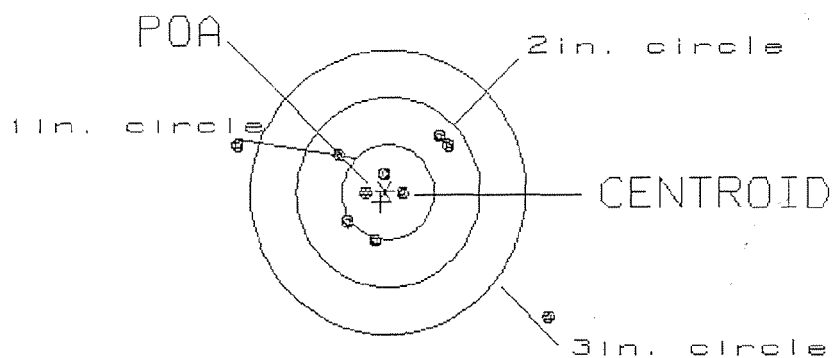
7

PATTERN #: C 5 F
 POA TO CENTROID: .117
 MIN RADIUS : .165
 MEAN RADIUS : .783
 MAX RADIUS : 2.177
 CENTROID X : .043
 CENTROID Y : .109

2 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6374541

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.42

4

VS= 1.93

6

GS= 3.85

8

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER			
SERIAL NUMBER <u>F6374541</u>			
LOG-IN DATE <u>2-17-01</u>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-21-01	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	3-23-01	RW
605	CHECK HEADSPACE	3-23-01	RW
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	4-3-01	RW
655	FINAL INSPECT	4-4-01	RW
660	PACK		
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

S/N: E6374541 DATE REC'D: 2-17-01 DATE RET'D:

AUDITOR: CK

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: _____

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 98-05055

INITIAL CUSTOMER ORDER NO.

WOG 7 OF 23

JLM

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

02/24/98

02/24/98

66225364

EL374541

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

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

FROM 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

B

TRIGGER GROUP

A

BOLT ASSY.

S

BARREL ASSY.

B

REC. ASSY.

S

WOOD

C

METAL

C

MAIN FAULT

PARTS

COMMENTS

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

HJ0925 REV. 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400128412

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # E6374541
13 May 1998

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1438
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3806
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .40686

THE AMR FOR THIS RIFLE IS: 1.105

CENTROIDAL DISTANCES

0 TO	1	.649788
1 TO	2	.36569
1 TO	3	.418594
1 TO	4	.375686
1 TO	5	.378308

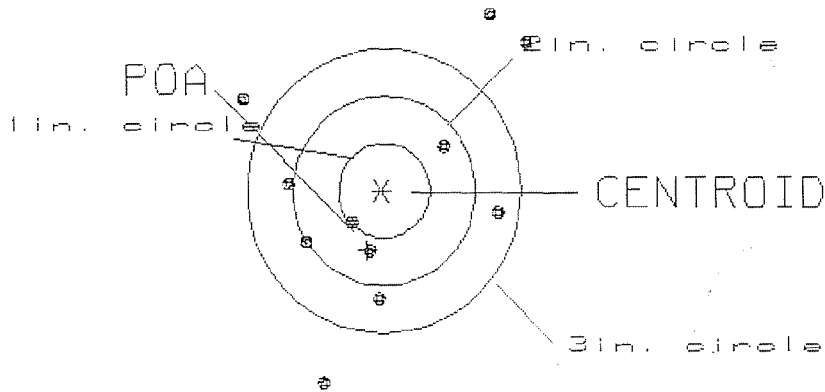
1
2
5 4
+ <----POA

PATTERN #: 1
 POA TO CENTROID: .650
 MIN RADIUS : .486
 MEAN RADIUS : 1.351
 MAX RADIUS : 2.200
 CENTROID X : .151
 CENTROID Y : .632

13 May 1998

FILE:/Hptbasic/Accuracy/Patterning/Centerfire_Patt/E6374541

CENTERFIRE PATTERN # 1



OF SHOTS= 11

IN CIRCLE

HS= 3.17

1

VS= 3.91

3

GS= 4.33

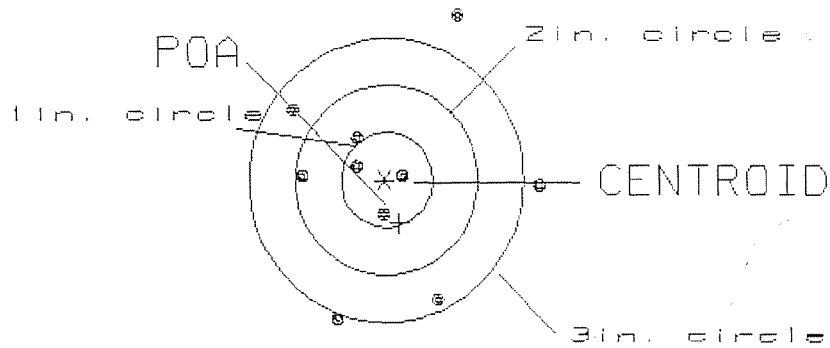
7

PATTERN #: 2
 POA TO CENTROID: .485
 MIN RADIUS : .164
 MEAN RADIUS : 1.016
 MAX RADIUS : 1.940
 CENTROID X : -.169
 CENTROID Y : .455

13 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374541

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.70
 VS= 3.19
 GS= 3.45

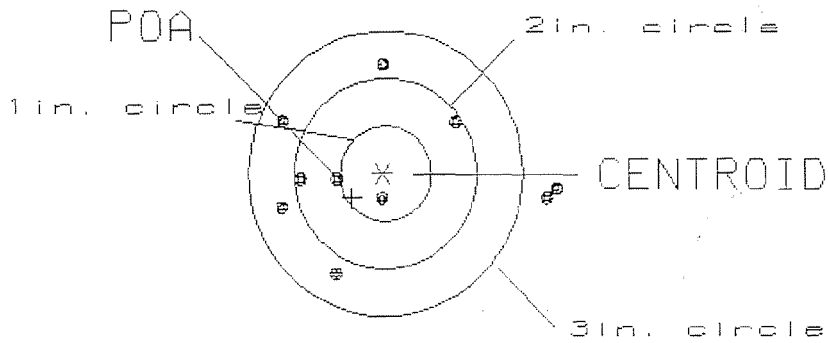
3
 5
 7

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .424
 MIN RADIUS : .281
 MEAN RADIUS : 1.125
 MAX RADIUS : 1.860
 CENTROID X : .337
 CENTROID Y : .257

13 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374541

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.03
 VS= 2.24
 GS= 3.08

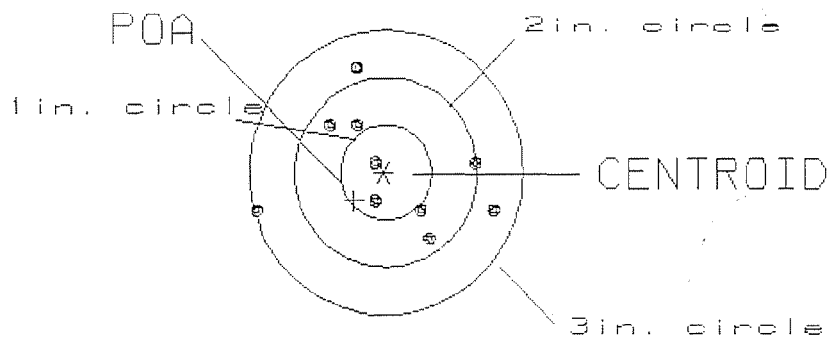
1
 4
 8

PATTERN #: E 4 E
 POA TO CENTROID: .439
 MIN RADIUS : .166
 MEAN RADIUS : .314
 MAX RADIUS : 1.455
 CENTROID X : .323
 CENTROID Y : .298

13 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374541

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.55

2

VS= 1.79

6

GS= 2.55

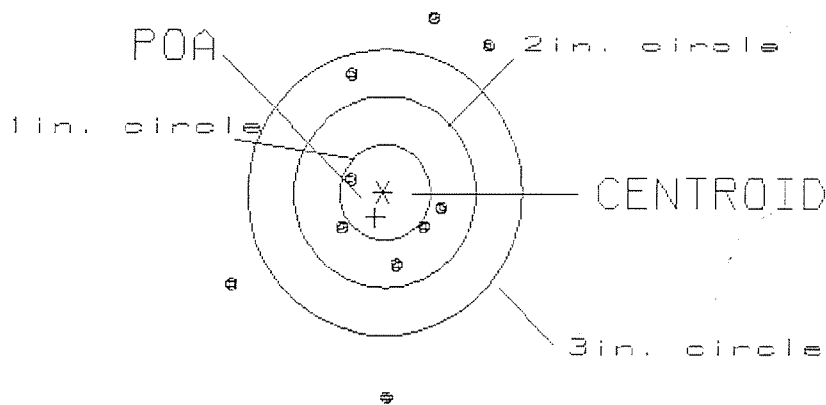
10

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .272
 MIN RADIUS : .387
 MEAN RADIUS : 1.221
 MAX RADIUS : 2.118
 CENTROID X : .077
 CENTROID Y : .261

13 May 1998

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6374541

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.85
 VS= 3.92
 GS= 3.96

1
 5
 6