

E 641 3501

Oxford

NO. 752 1/3

ESSELTE

10%



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: RE00147676

Serial: E6413501 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 7/17/2008 6:22:53 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: PBO 1/75 RANGER REGIMENT

PBO 1/75 RANGER REGIMENT

Address 1: ATTN: WO1 CURTIS B MATHIS

ATTN: WO1 CURTIS B MATHIS

Address 2: 1036 LIBERATOR RD

PO Box:

1036 LIBERATOR RD

PO Box:

City: HUNTER AAF

HUNTER AAF

State: GA

Zip Code: 31409

Country: US

State: GA

Zip Code: 31409

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
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

7/17/2008

8:09 AM

CAPS

NUM

INS

SCRL



8:09 AM

Reset

Number: E6413501

Model: M24 SWS



RE00147676

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER 147676
SERIAL NUMBER 1643501
LOG-IN DATE 9-17-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-29-08	RTZ
505	RE-BARREL	9-30-08	RTZ
560	ASSEMBLE	9-30-08	RTZ
600	PROOF	10-2-08	L.P.D.
605	CHECK HEADSPACE	10-2-08	L.P.D.
610	DIS-ASSEMBLE GUN	10-2-08	L.P.D.
612	MAGNAFLUX	10/1/08	(B)
510	DRILL AND TAP	10-6-08	SP
615	ROLLMARK CALIBER	10/8/08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	10/11	
625	FINAL ASSEMBLY	10-15-08	RT
640	FUNCTION TEST AND	PASS FAIL	10-15-08 TC
650	TARGET	PASS FAIL	10-15-08 TC
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		10-15-08 RSW
	A) HEADSPACE	PASS FAIL	10-22-08 X.97
	B) TRIGGER PULL	2.73 2.70 2.63 2.66 2.67	10-18-08 TC
680	F) SAFETY ON FORCE	3.0 3.0 3.0	10-22-08 X.97
	G) SAFETY OFF FORCE	6.0 5.0 5.0	10-22-08 X.97
	I) FIRING PIN INDENT	.023 .022 .022	10-22-08 X.97
690	PACK		10/22/08 FRY

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: E6413501.___0

FILE DATE AND TIME: 10/16/2008 07:30

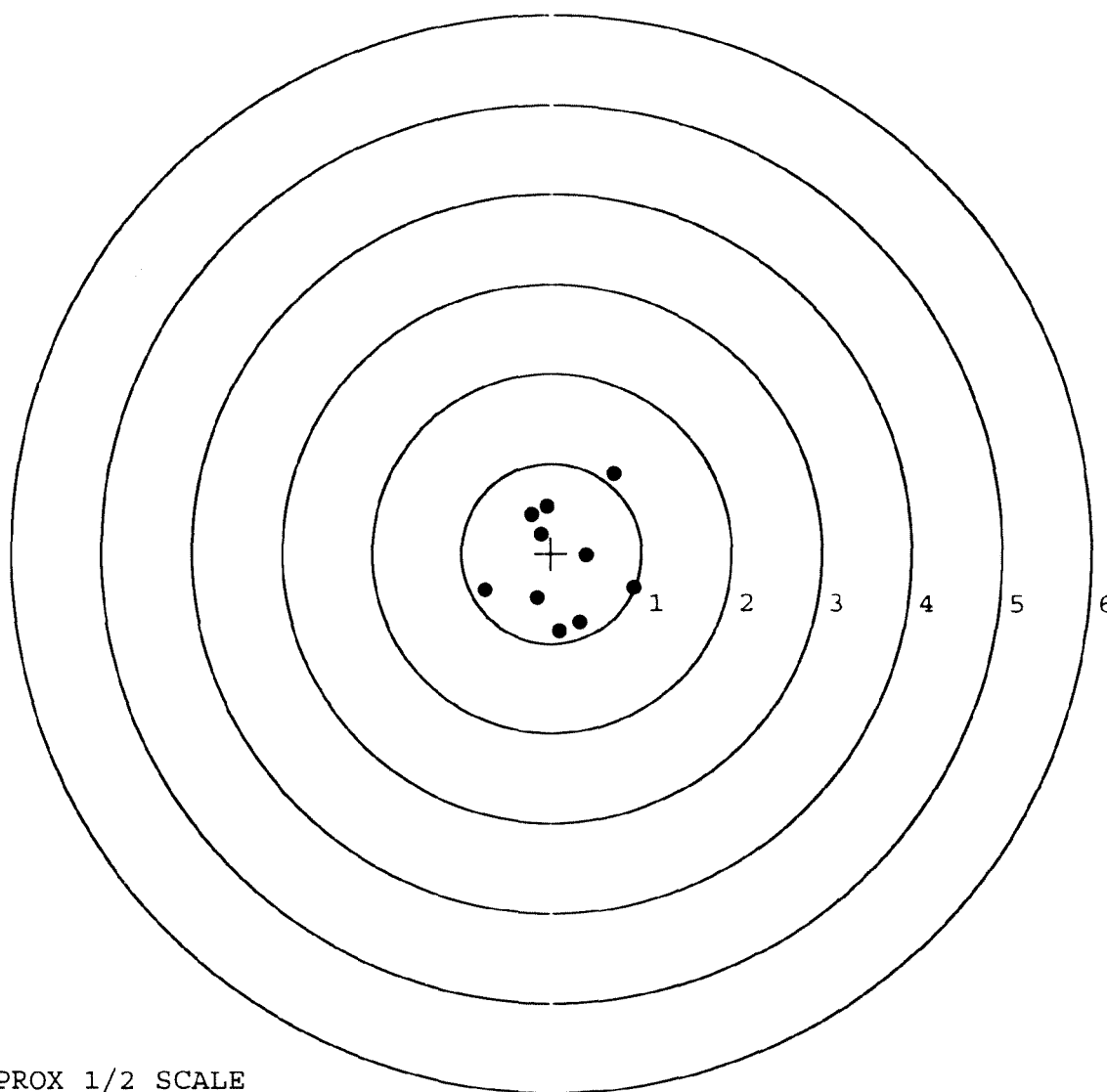
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.135
The Average Y Centroid of the Five Target Set:	-0.059
The Average Point of Impact of the Five Target Set:	0.148
The Average Mean Radius of the Five Target Set:	0.645
The Distance from POA to Centroid Target #1:	0.145
The Distance from Centroid Target #2 to Centroid Target #1:	0.415
The Distance from Centroid Target #3 to Centroid Target #1:	0.432
The Distance from Centroid Target #4 to Centroid Target #1:	0.320
The Distance from Centroid Target #5 to Centroid Target #1:	0.155

SERIAL NUMBER: E6413501. 0
TARGET NUMBER: 1
FILE DATE: 10/16/2008
FILE TIME: 07:30

X CENTROID: 0.114
Y CENTROID: -0.090
POA TO CENTROID: 0.145
HORZ SPREAD: 1.658
VERT SPREAD: 1.762
GROUP SPREAD: 1.941
MIN RADIUS: 0.288
MAX RADIUS: 1.142
MEAN RADIUS: 0.680
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.695	0.893
2:	-0.048	0.519
3:	-0.222	0.430
4:	-0.117	0.213
5:	0.393	-0.020
6:	0.918	-0.382
7:	0.316	-0.773
8:	0.096	-0.869
9:	-0.154	-0.494
10:	-0.740	-0.414



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413501. __0

TARGET NUMBER: 2

FILE DATE: 10/16/2008

FILE TIME: 07:30

X CENTROID: -0.267

Y CENTROID: 0.075

POA TO CENTROID: 0.278

HORZ SPREAD: 1.238

VERT SPREAD: 1.261

GROUP SPREAD: 1.642

MIN RADIUS: 0.138

MAX RADIUS: 0.973

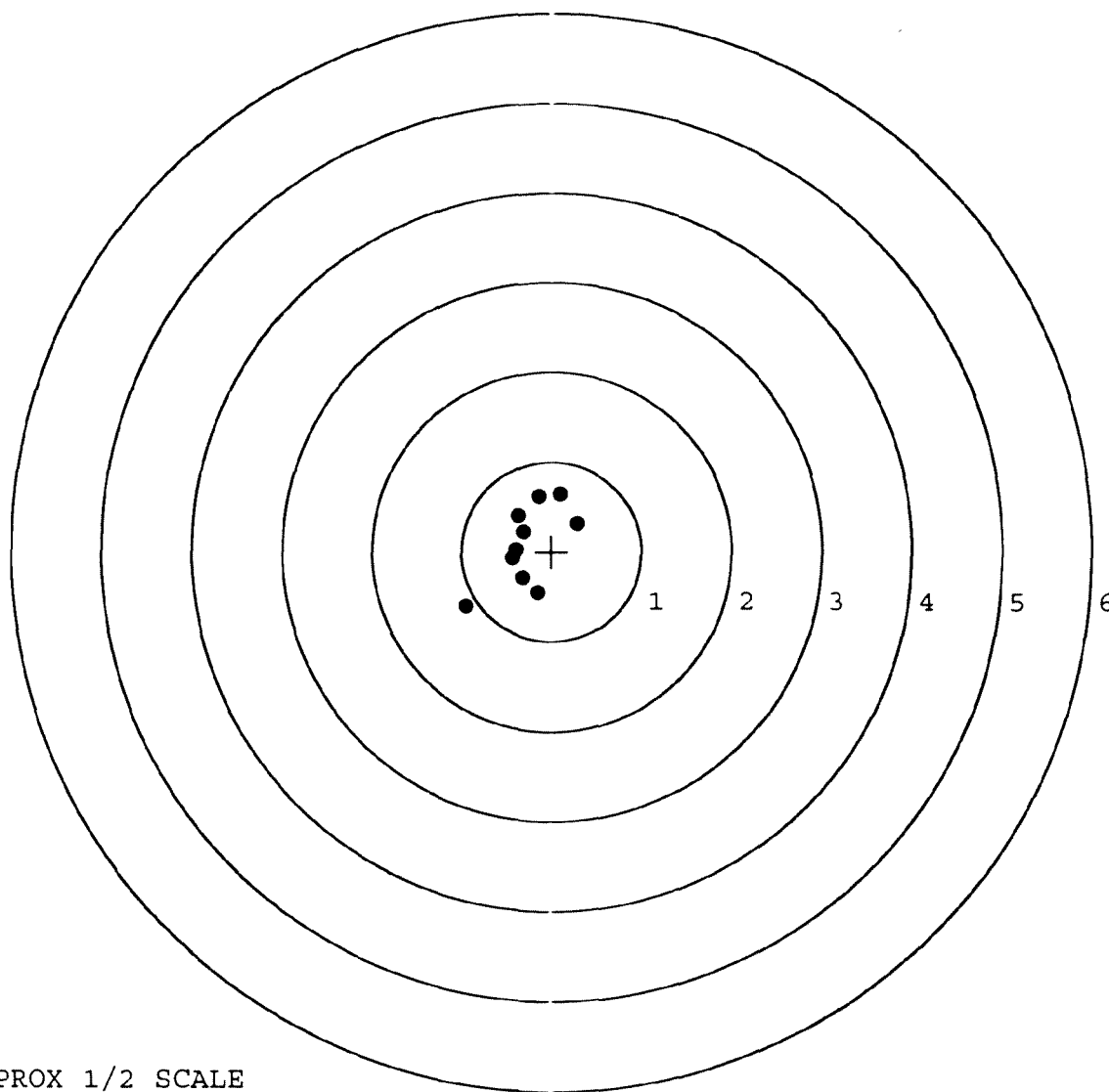
MEAN RADIUS: 0.460

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.951	-0.617
2:	-0.150	-0.461
3:	-0.319	-0.300
4:	-0.433	-0.081
5:	-0.392	0.015
6:	-0.307	0.220
7:	-0.371	0.401
8:	-0.140	0.617
9:	0.101	0.644
10:	0.287	0.314



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413501.___0

TARGET NUMBER: 3

FILE DATE: 10/16/2008

FILE TIME: 07:30

POINT#	X	Y
--------	---	---

1:	-1.411	-0.497
----	--------	--------

2:	-0.851	-0.322
----	--------	--------

3:	-1.068	0.336
----	--------	-------

4:	0.117	0.499
----	-------	-------

5:	-0.072	0.390
----	--------	-------

6:	0.144	-0.086
----	-------	--------

7:	0.001	-0.253
----	-------	--------

8:	-0.182	-0.336
----	--------	--------

9:	0.381	-0.472
----	-------	--------

10:	-0.173	-0.951
-----	--------	--------

X CENTROID: -0.311

Y CENTROID: -0.169

POA TO CENTROID: 0.354

HORZ SPREAD: 1.792

VERT SPREAD: 1.450

GROUP SPREAD: 1.824

MIN RADIUS: 0.211

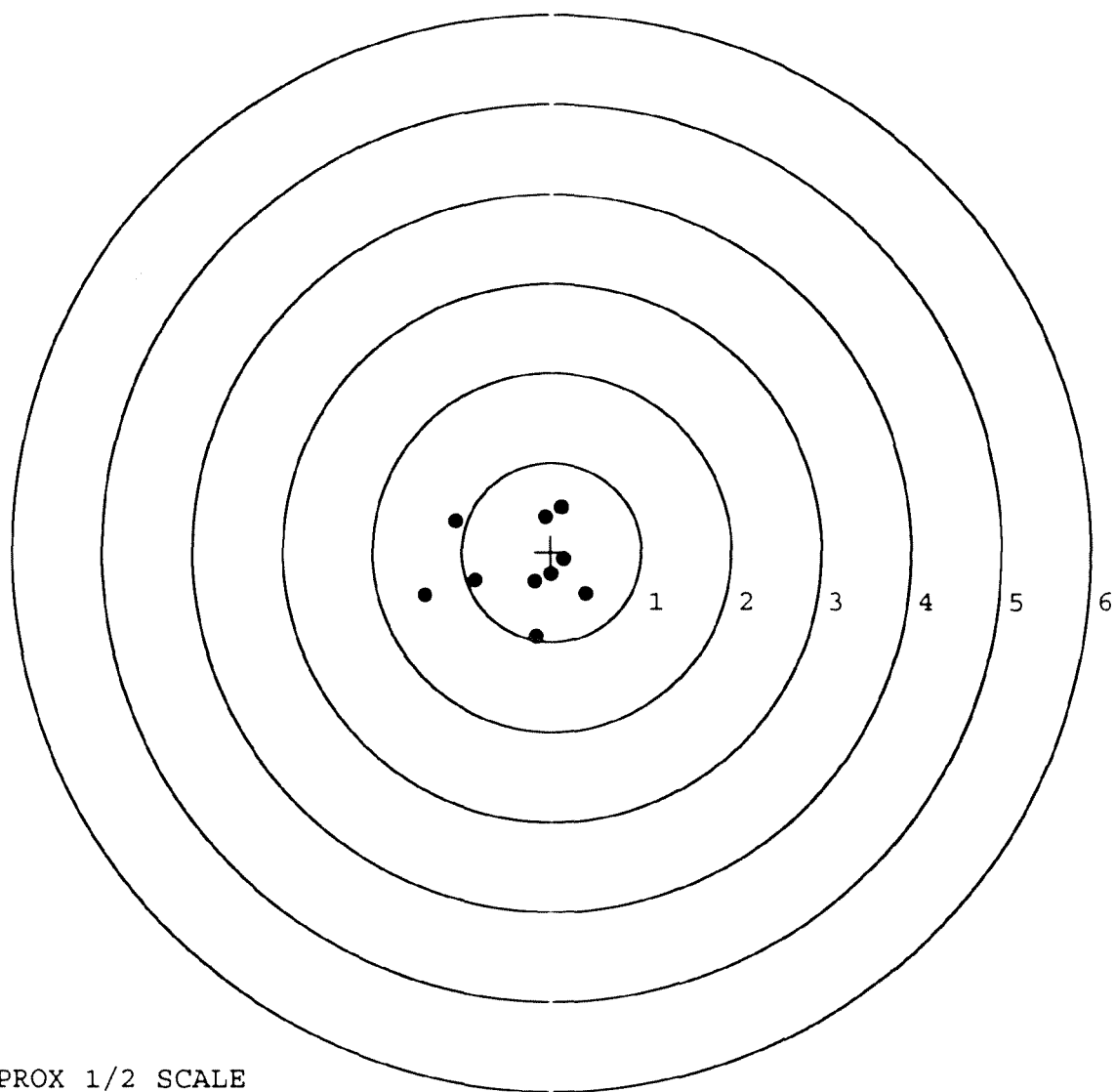
MAX RADIUS: 1.147

MEAN RADIUS: 0.657

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413501. __0

TARGET NUMBER: 4

FILE DATE: 10/16/2008

FILE TIME: 07:30

POINT#	X	Y
1:	-1.399	0.388
2:	0.142	0.683
3:	-0.351	0.157
4:	-0.407	0.016
5:	-0.489	-0.202
6:	-0.406	-0.396
7:	-0.297	-0.603
8:	0.230	-0.801
9:	0.185	-0.323
10:	0.745	-0.151

X CENTROID: -0.205

Y CENTROID: -0.123

POA TO CENTROID: 0.239

HORZ SPREAD: 2.144

VERT SPREAD: 1.484

GROUP SPREAD: 2.211

MIN RADIUS: 0.246

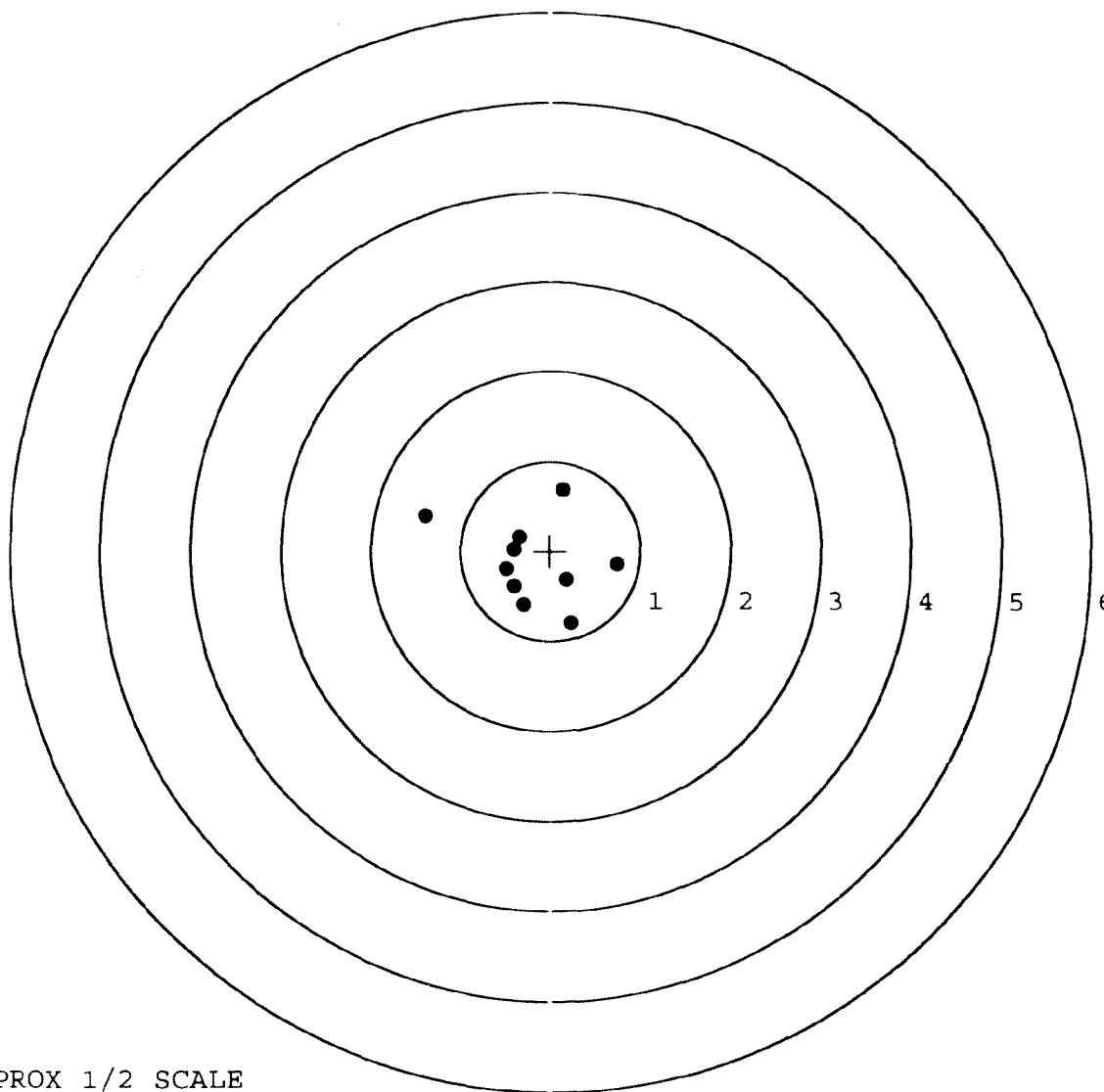
MAX RADIUS: 1.299

MEAN RADIUS: 0.605

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413501. __0

TARGET NUMBER: 5

FILE DATE: 10/16/2008

FILE TIME: 07:30

POINT#	X	Y
--------	---	---

1:	-1.056	0.062
----	--------	-------

2:	-0.810	0.555
----	--------	-------

3:	0.107	0.919
----	-------	-------

4:	0.489	0.871
----	-------	-------

5:	0.328	0.004
----	-------	-------

6:	0.778	-0.333
----	-------	--------

7:	1.014	-0.229
----	-------	--------

8:	-0.098	-0.850
----	--------	--------

9:	-0.592	-0.642
----	--------	--------

10:	-0.211	-0.260
-----	--------	--------

X CENTROID: -0.005

Y CENTROID: 0.010

POA TO CENTROID: 0.011

HORZ SPREAD: 2.070

VERT SPREAD: 1.769

GROUP SPREAD: 2.090

MIN RADIUS: 0.333

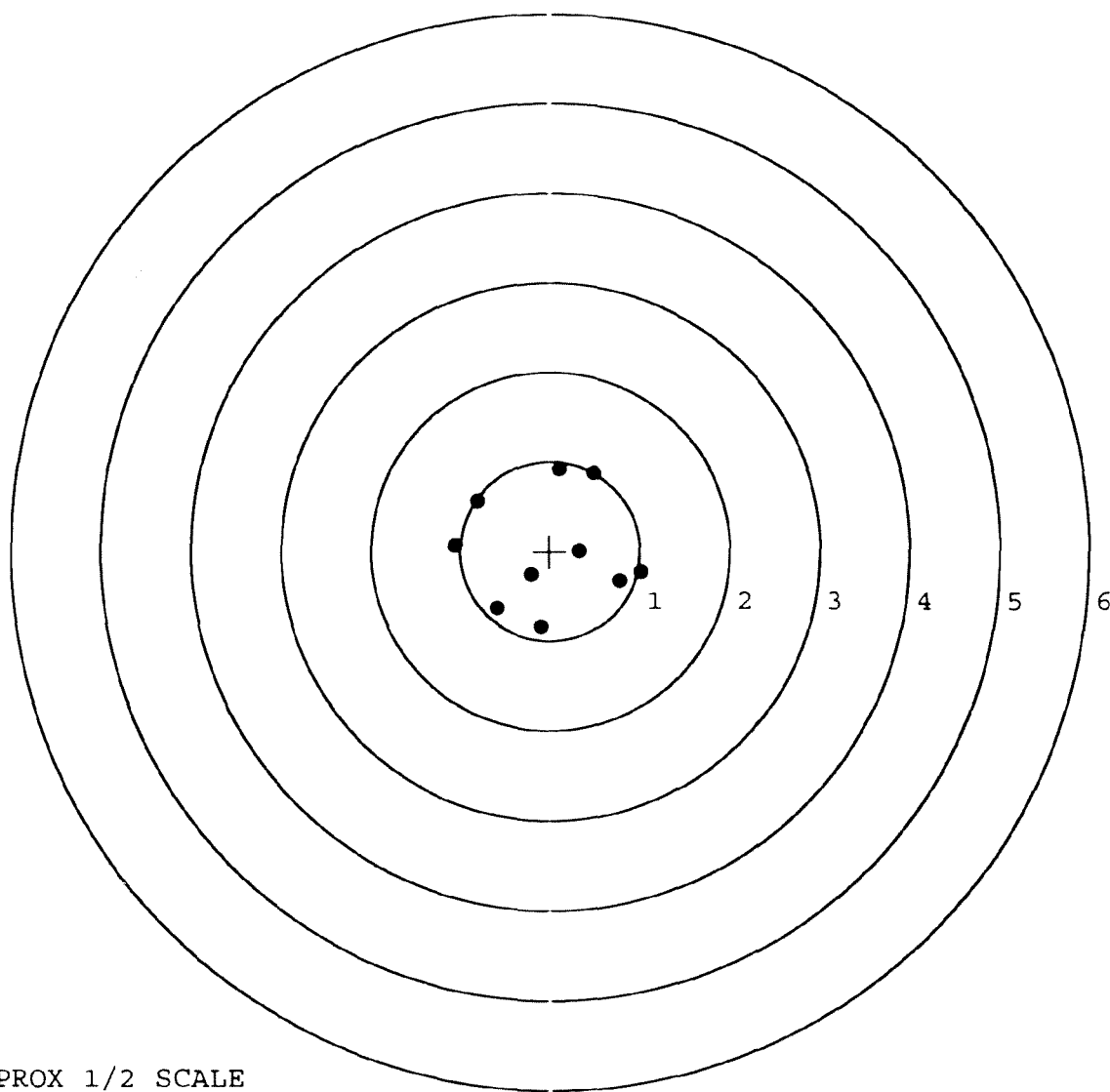
MAX RADIUS: 1.052

MEAN RADIUS: 0.825

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

ATE: 09/14/01

NONPROPERTY BOOK ADJUSTMENT

TIME: 11:25:37

KEY IN DATA

(01-03) DIC..... ZRI
(04-09) UIC..... WH3LTO
(11-16) LIN/NSLIN.....
(23-37) NSN/MCN..... 1005012402136
(38-39) EQUIPMENT CONC SITE....
(43-50) DOCUMENT NUMBER..... 12580101
(51-54) FORM NUMBER..... 1348
(56-60) QUANTITY.....
(80) TYPE ACTION CD..... S

Item turned in for repair and return
to originating organization.

ATTN: PBO CW4 HUMES
CDR 1/75 RGR REGT BLDG 1036
43 LIBERATOR RD STE 102
HUNTER AAF, GA 31409-4314

PRESS ENTER

TION:

SCREEN 851

ESS <ALT-H> = HELP, RETURN = PREVIOUS MENU, MENU = TOP MENU, SO = STOP

TE: 09/14/01

NONPROPERTY BOOK ADJUSTMENT

TIME: 11:25:59

KEY IN DATA

(01-03) DIC..... ZRI
(04-09) UIC..... WH3LTO
(11-16) LIN/NSLIN.....
(23-37) NSN/MCN..... 1005012402136
(38-39) EQUIPMENT CONC SITE....
(43-50) DOCUMENT NUMBER..... 12580102
(51-54) FORM NUMBER..... 1348
(56-60) QUANTITY.....
(80) TYPE ACTION CD..... S

PRESS ENTER

Serial
Number:

C6225368

Model: 700



RE00033358

ION:

SCREEN 851

SS <ALT-H> = HELP, RETURN = PREVIOUS MENU, MENU = TOP MENU, SO = STOP

TOM:
SWS
READY FOR
SWS guys
DPM

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6413501
19 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0402
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0602
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0723884

THE AMR FOR THIS RIFLE IS: 1.101

CENTROIDAL DISTANCES

0 TO	1	.3664
1 TO	2	.476732
1 TO	3	.468236
1 TO	4	.587085
1 TO	5	.457902

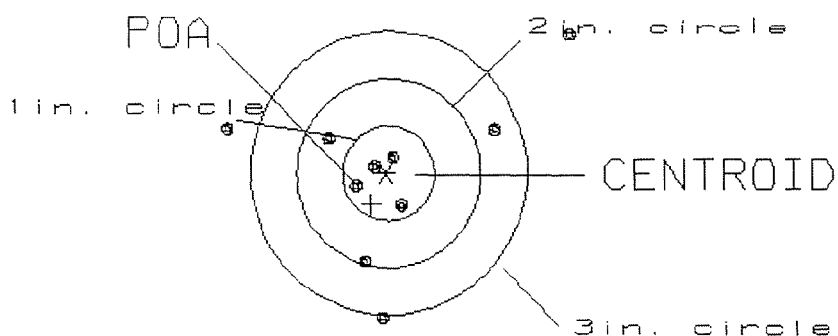
5
1
+
2 3 <----POA
4

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .366
 MIN RADIUS : .161
 MEAN RADIUS : .981
 MAX RADIUS : 2.436
 CENTROID X : .155
 CENTROID Y : .332

18 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/EG413501

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.70

4

VS= 3.04

6

GS= 3.85

7

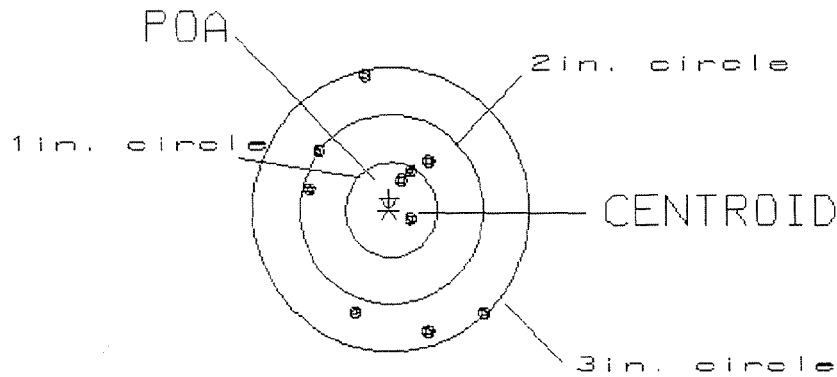
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .116
 MIN RADIUS : .242
 MEAN RADIUS : .905
 MAX RADIUS : 1.473
 CENTROID X : -.008
 CENTROID Y : -.116

18 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6413501

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.83

3

VS= 2.72

5

GS= 2.82

10

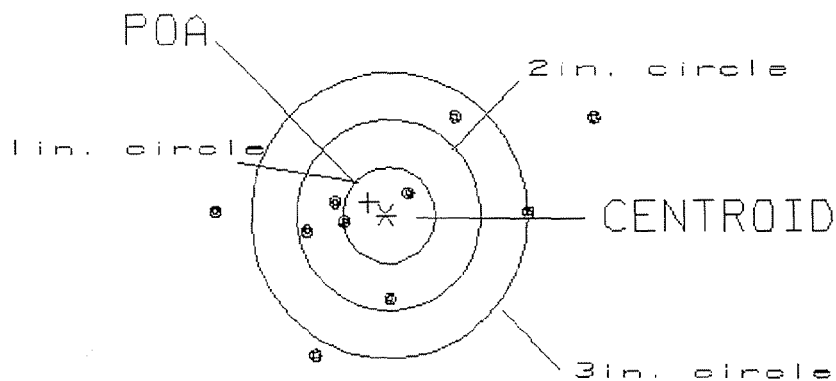
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .232
 MIN RADIUS : .316
 MEAN RADIUS : 1.199
 MAX RADIUS : 2.403
 CENTROID X : .189
 CENTROID Y : -.135

18 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6413501

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 4.06

2

VS= 2.54

5

GS= 4.19

6

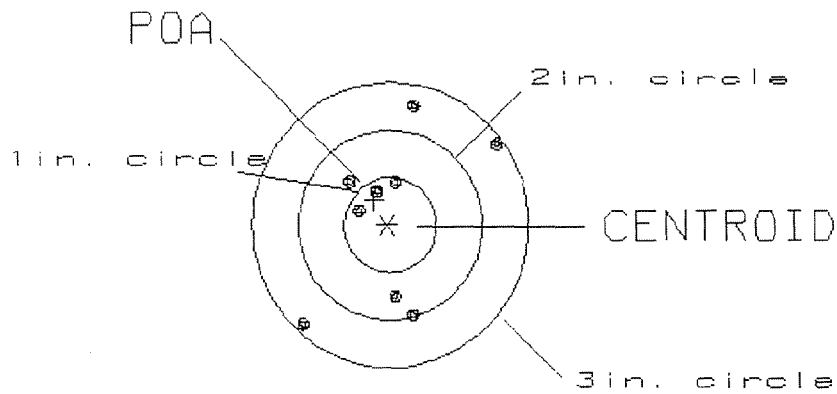
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .293
 MIN RADIUS : .365
 MEAN RADIUS : .850
 MAX RADIUS : 1.465
 CENTROID X : .145
 CENTROID Y : -.255

18 Oct. 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/EG413501

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.15

3

VS= 2.28

6

GS= 2.82

10

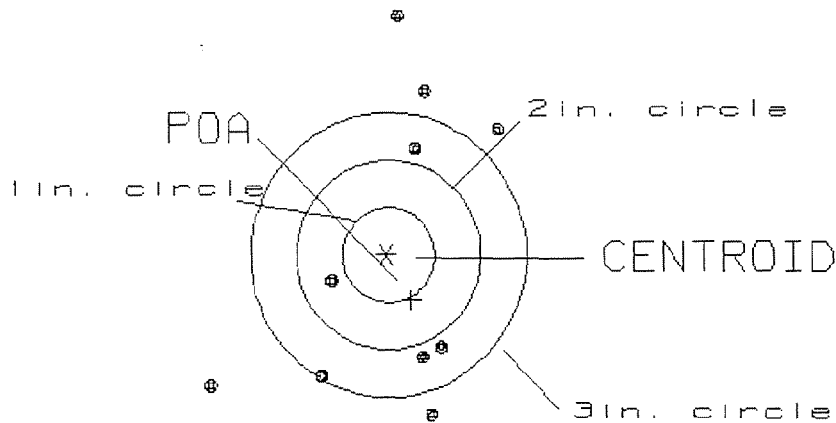
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .551
 MIN RADIUS : .647
 MEAN RADIUS : 1.569
 MAX RADIUS : 2.528
 CENTROID X : -.280
 CENTROID Y : .475

18 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/EG413501

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.10

0

VS= 4.20

1

GS= 4.42

5

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

R & E NUMBER 33358

SERIAL NUMBER ~~C6225368~~ E6413501

LOG-IN DATE 10-3-01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-5-01	RH
560 A	RE-BARREL AT CUSTOM SHOP	10/5/01	BWT
B	DRILL AND TAP	10/5/01	BWT
C	POLISH	10-5-01	AD
575	ASSEMBLE	10/5/01	RH
600	PROOF	10-8-01	AC
605	CHECK HEADSPACE	10-8-01	RH
610	DIS-ASSEMBLE GUN	10-8-01	RH
612	MAGNAFLUX	10-8-01	AL
615	ROLLMARK CALIBER	10-8-01	RH
618	ROTO-BLAST	10-8-01	KC
620	APPLY COATINGS	10/11	HP
625 A	FINAL ASSEMBLY	10-18-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-18-01	AC
655	FINAL INSPECT	10-19-01	RH
660	PACK	10-19-01	RH
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

In: E641350

DATE REC'D: 10-3-01

DATE RET'D: 10-22-01

EDITOR: RSL

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: _____

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: RE00147676

Serial: E6413501 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 7/17/2008 6:22:53 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: PBO 1/75 RANGER REGIMENT

PBO 1/75 RANGER REGIMENT

Address 1: ATTN: WO1 CURTIS B MATHIS

ATTN: WO1 CURTIS B MATHIS

Address 2: 1036 LIBERATOR RD

PO Box:

1036 LIBERATOR RD

PO Box:

City: HUNTER AAF

HUNTER AAF

State: GA

Zip Code: 31409

Country: US

State: GA

Zip Code: 31409

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
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglelj

7/17/2008

8:09 AM

CAPS

NUM

INS

SCRL



8:09 AM

Number: E6413501

Model: M24 SWS



RE00147676

Reset

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER 147676
SERIAL NUMBER B643501
LOG-IN DATE 9-17-08

OPERATION #	OPERATION NAME	DATE	INITIAL
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605	CHECK HEADSPACE	10-2-08	L.P.D.
610	DIS-ASSEMBLE GUN	10-2-08	L.P.D.
612	MAGNAFLUX	10/1/08	(B)
510	DRILL AND TAP	10-6-08	SP
615	ROLLMARK CALIBER	10/8/08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	10-10	
625	FINAL ASSEMBLY	10-15-08	RT
640	FUNCTION TEST AND	PASS FAIL 10-15-08	TC
650	TARGET	PASS FAIL 10-15-08	TC
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	10-15-08 RSW
670	FINAL INSPECTION	10-22-08	X. 97
	A) HEADSPACE	PASS FAIL 10-22-08	X. 97
	B) TRIGGER PULL	2.73 2.70 2.63 2.66 2.67	10-22-08 TC
680	F) SAFETY ON FORCE	3.0 3.0 3.0	10-22-08 X. 97
	G) SAFETY OFF FORCE	6.0 5.0 5.0	10-22-08 X. 97
	I) FIRING PIN INDENT	.023 .022 .022	10-22-08 X. 97
690	PACK		10/22/08 FRY

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FIREARM SERIAL NUMBER / DATASET NAME: E6413501.___0
FILE DATE AND TIME: 10/16/2008 07:30

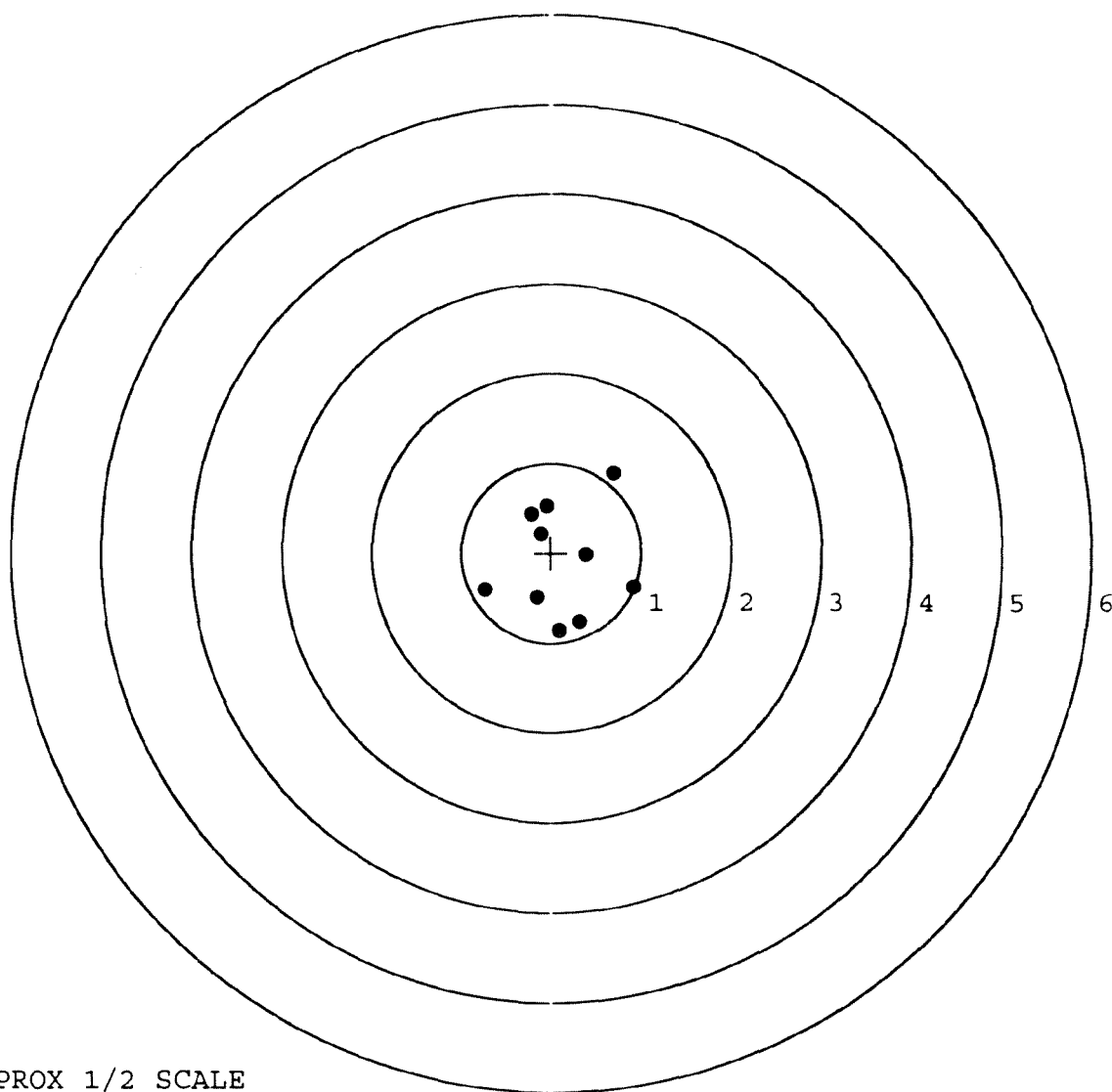
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

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The Average Y Centroid of the Five Target Set:	-0.059
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The Distance from Centroid Target #4 to Centroid Target #1:	0.320
The Distance from Centroid Target #5 to Centroid Target #1:	0.155

SERIAL NUMBER: E6413501. __0
TARGET NUMBER: 1
FILE DATE: 10/16/2008
FILE TIME: 07:30

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1:	0.695	0.893
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MAX RADIUS: 1.142
MEAN RADIUS: 0.680
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413501. __0

TARGET NUMBER: 2

FILE DATE: 10/16/2008

FILE TIME: 07:30

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1:	-0.951	-0.617
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8:	-0.140	0.617
9:	0.101	0.644
10:	0.287	0.314

X CENTROID: -0.267

Y CENTROID: 0.075

POA TO CENTROID: 0.278

HORZ SPREAD: 1.238

VERT SPREAD: 1.261

GROUP SPREAD: 1.642

MIN RADIUS: 0.138

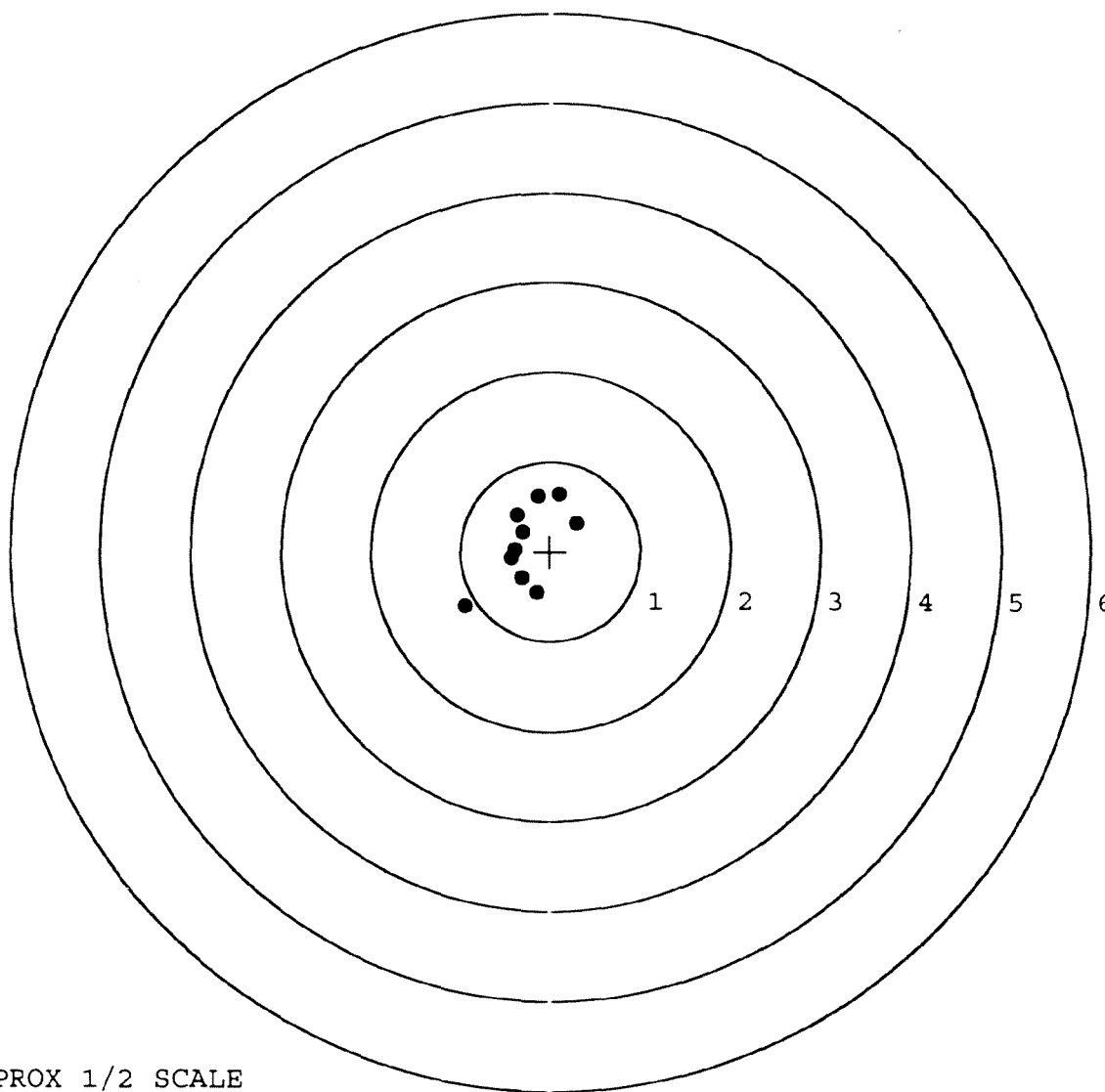
MAX RADIUS: 0.973

MEAN RADIUS: 0.460

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413501. 0

TARGET NUMBER: 3

FILE DATE: 10/16/2008

FILE TIME: 07:30

POINT#	X	Y
1:	-1.411	-0.497
2:	-0.851	-0.322
3:	-1.068	0.336
4:	0.117	0.499
5:	-0.072	0.390
6:	0.144	-0.086
7:	0.001	-0.253
8:	-0.182	-0.336
9:	0.381	-0.472
10:	-0.173	-0.951

X CENTROID: -0.311

Y CENTROID: -0.169

POA TO CENTROID: 0.354

HORZ SPREAD: 1.792

VERT SPREAD: 1.450

GROUP SPREAD: 1.824

MIN RADIUS: 0.211

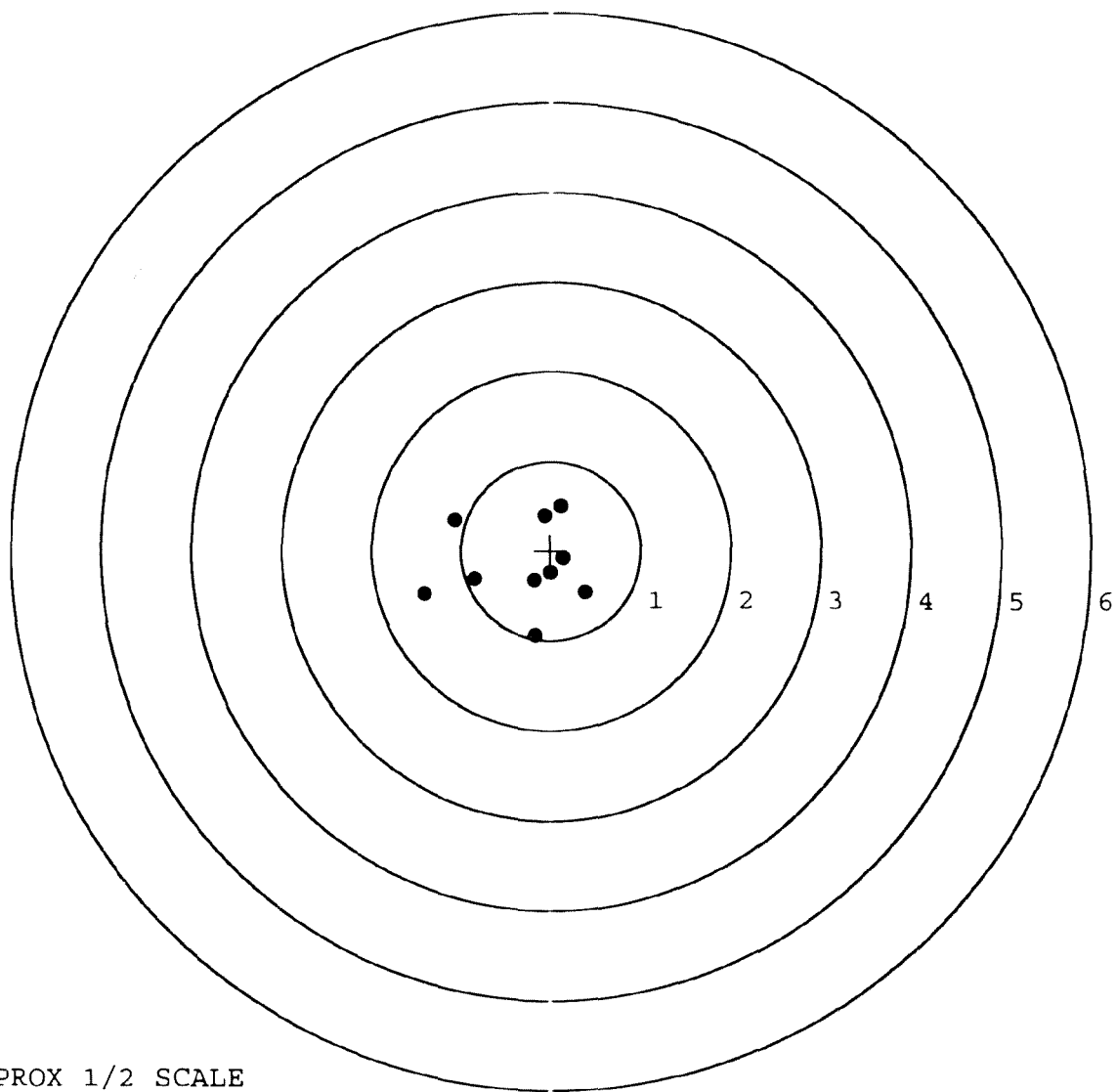
MAX RADIUS: 1.147

MEAN RADIUS: 0.657

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

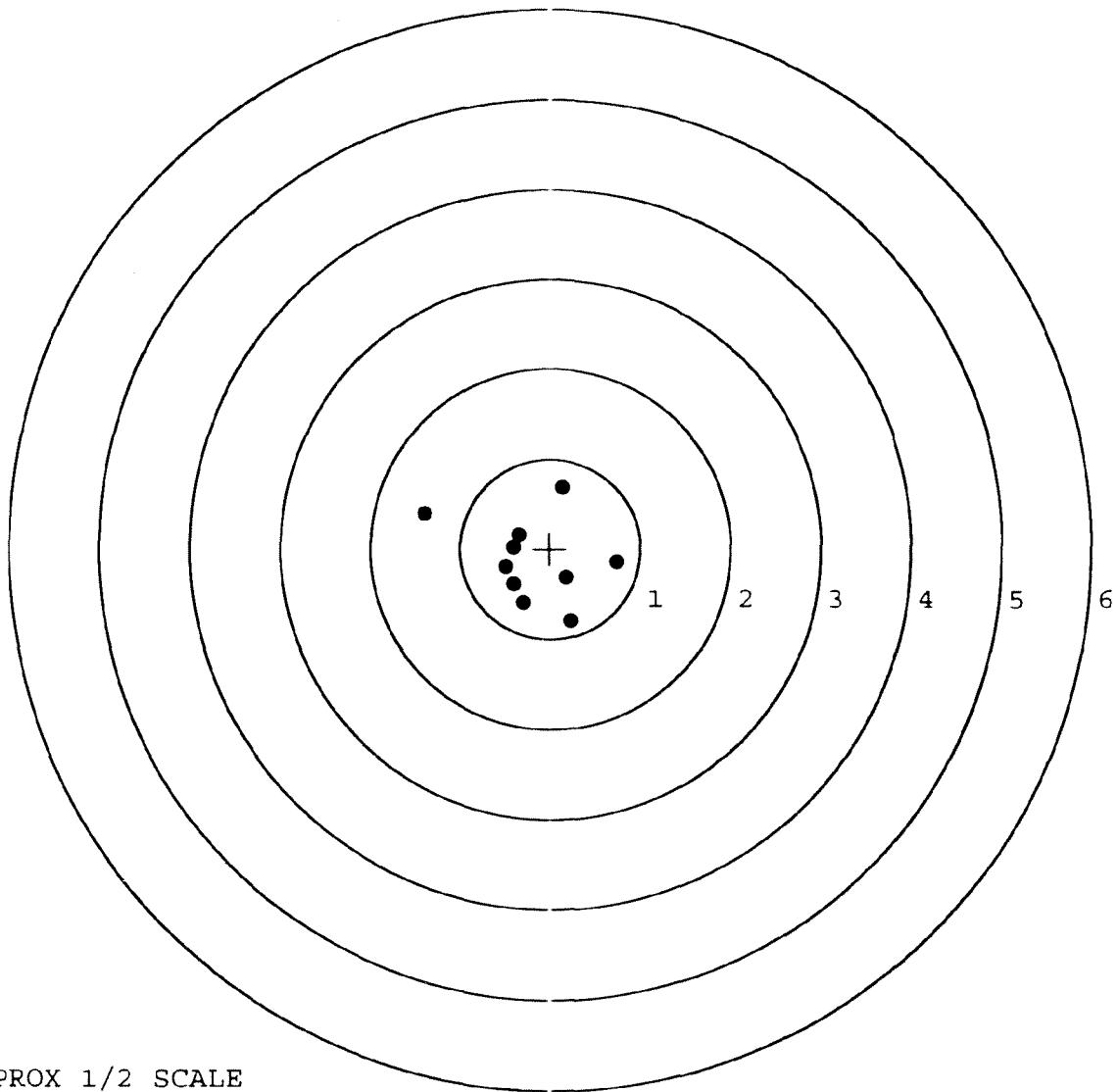


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413501. 0
TARGET NUMBER: 4
FILE DATE: 10/16/2008
FILE TIME: 07:30

POINT#	X	Y
1:	-1.399	0.388
2:	0.142	0.683
3:	-0.351	0.157
4:	-0.407	0.016
5:	-0.489	-0.202
6:	-0.406	-0.396
7:	-0.297	-0.603
8:	0.230	-0.801
9:	0.185	-0.323
10:	0.745	-0.151

X CENTROID: -0.205
Y CENTROID: -0.123
POA TO CENTROID: 0.239
HORZ SPREAD: 2.144
VERT SPREAD: 1.484
GROUP SPREAD: 2.211
MIN RADIUS: 0.246
MAX RADIUS: 1.299
MEAN RADIUS: 0.605
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

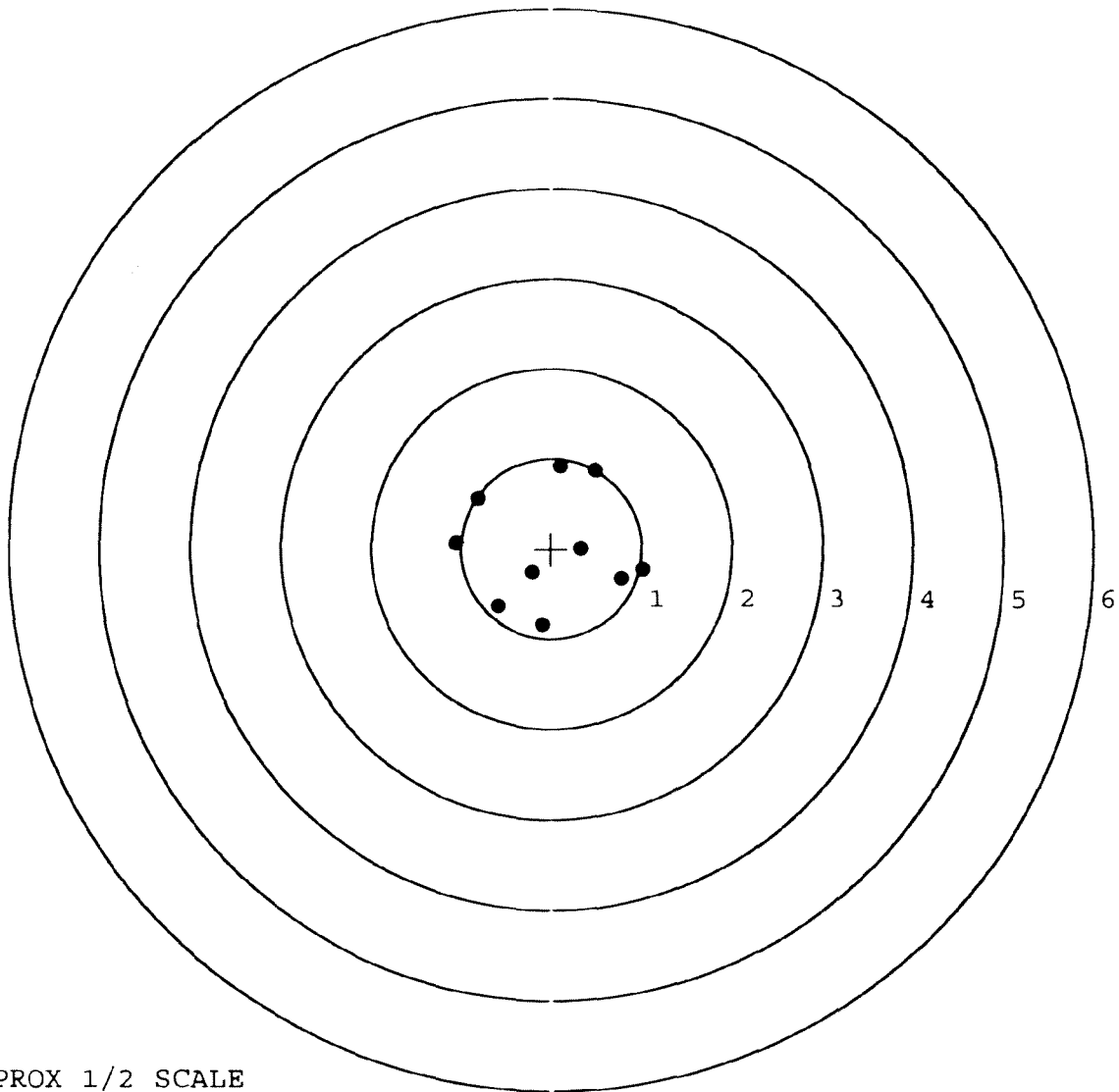


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413501. 0
TARGET NUMBER: 5
FILE DATE: 10/16/2008
FILE TIME: 07:30

POINT#	X	Y
1:	-1.056	0.062
2:	-0.810	0.555
3:	0.107	0.919
4:	0.489	0.871
5:	0.328	0.004
6:	0.778	-0.333
7:	1.014	-0.229
8:	-0.098	-0.850
9:	-0.592	-0.642
10:	-0.211	-0.260

X CENTROID: -0.005
Y CENTROID: 0.010
POA TO CENTROID: 0.011
HORZ SPREAD: 2.070
VERT SPREAD: 1.769
GROUP SPREAD: 2.090
MIN RADIUS: 0.333
MAX RADIUS: 1.052
MEAN RADIUS: 0.825
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE