

G6590181
Replicap
G6391089

Repair Inquiry

Repair Number: RE00129832

Serial: G6590181 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

New 5/30/2007 9:58:06 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION DIVISION DFEL

TRANSPORTATION DIVISION DFEL

Address 1: 6759 MITCHELL AVENUE

6759 MITCHELL AVENUE

Address 2: BLDG 1836

PO Box:

BLDG 1836

PO Box:

City: FORT BENNING

FORT BENNING

State: GA

Zip Code: 31905

Country: US

State: GA

Zip Code: 31905

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
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	2

Repair Search

Refresh

Close

nagletj

5/30/2007

2:04 PM

CAPS

NUM

INS

SCRL

start

2 Mi...

2 Mi...

Part S...

4 Int...

SAP L...

Arms ...

2:04 PM

Serial Number: G6590181

Model: M24 SWS



RE00129832

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6590181.___0
FILE DATE AND TIME: 07/26/2007 14:50

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.035
The Average Y Centroid of the Five Target Set:	-0.102
The Average Point of Impact of the Five Target Set:	0.108
The Average Mean Radius of the Five Target Set:	0.745
The Distance from POA to Centroid Target #1:	0.313
The Distance from Centroid Target #2 to Centroid Target #1:	0.224
The Distance from Centroid Target #3 to Centroid Target #1:	0.288
The Distance from Centroid Target #4 to Centroid Target #1:	0.395
The Distance from Centroid Target #5 to Centroid Target #1:	0.297

SERIAL NUMBER: G6590181. 0

TARGET NUMBER: 1

FILE DATE: 07/26/2007

FILE TIME: 14:50

X CENTROID: -0.139

Y CENTROID: -0.280

POA TO CENTROID: 0.313

HORZ SPREAD: 1.819

VERT SPREAD: 2.239

GROUP SPREAD: 2.811

MIN RADIUS: 0.155

MAX RADIUS: 1.728

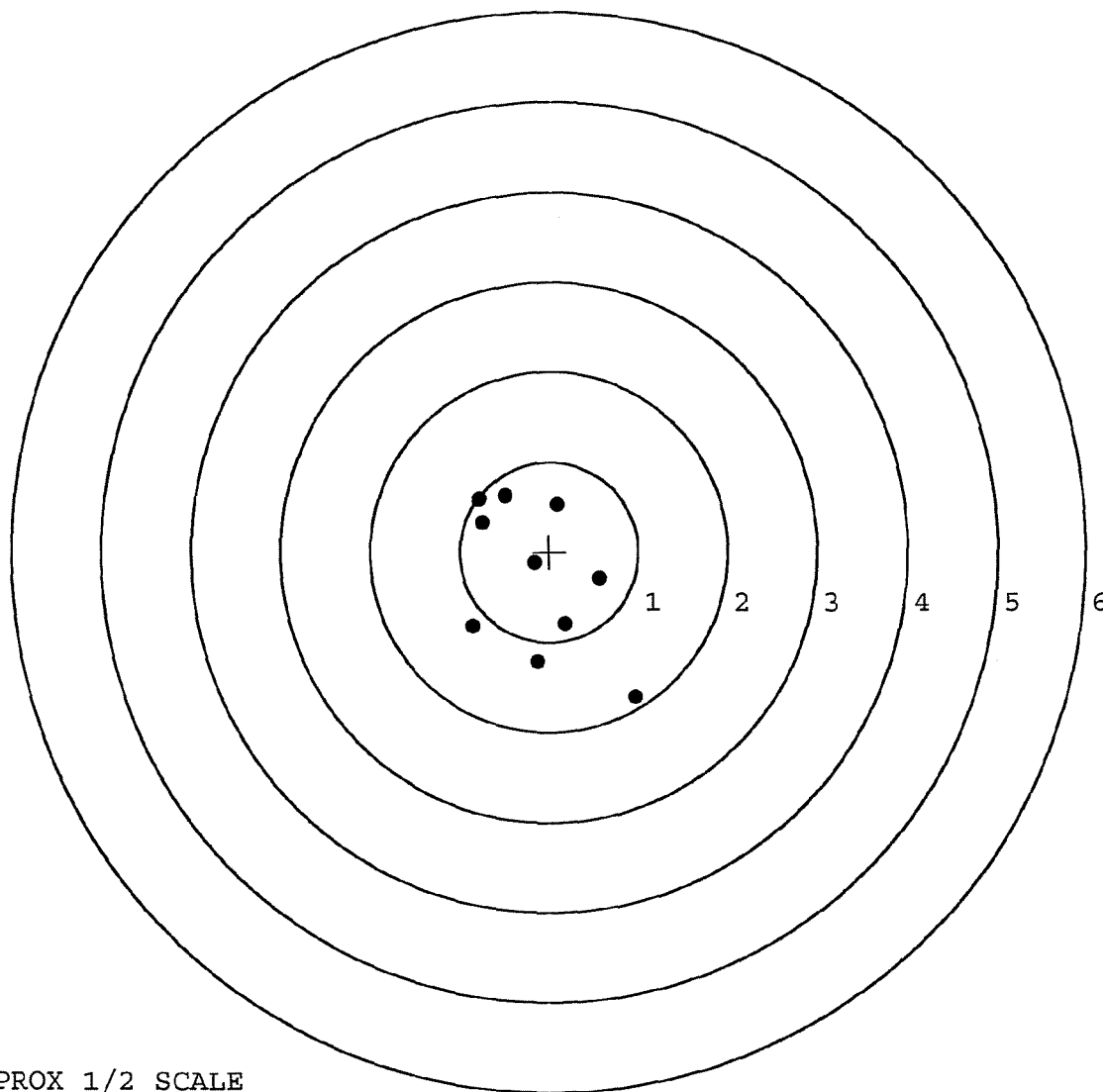
MEAN RADIUS: 0.881

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.969	-1.607
2:	-0.137	-1.223
3:	0.185	-0.801
4:	0.563	-0.299
5:	-0.172	-0.129
6:	-0.850	-0.829
7:	0.092	0.531
8:	-0.503	0.632
9:	-0.787	0.588
10:	-0.749	0.333



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. 0

TARGET NUMBER: 2

FILE DATE: 07/26/2007

FILE TIME: 14:50

X CENTROID: 0.083

Y CENTROID: -0.249

POA TO CENTROID: 0.263

HORZ SPREAD: 2.043

VERT SPREAD: 2.624

GROUP SPREAD: 3.029

MIN RADIUS: 0.244

MAX RADIUS: 1.834

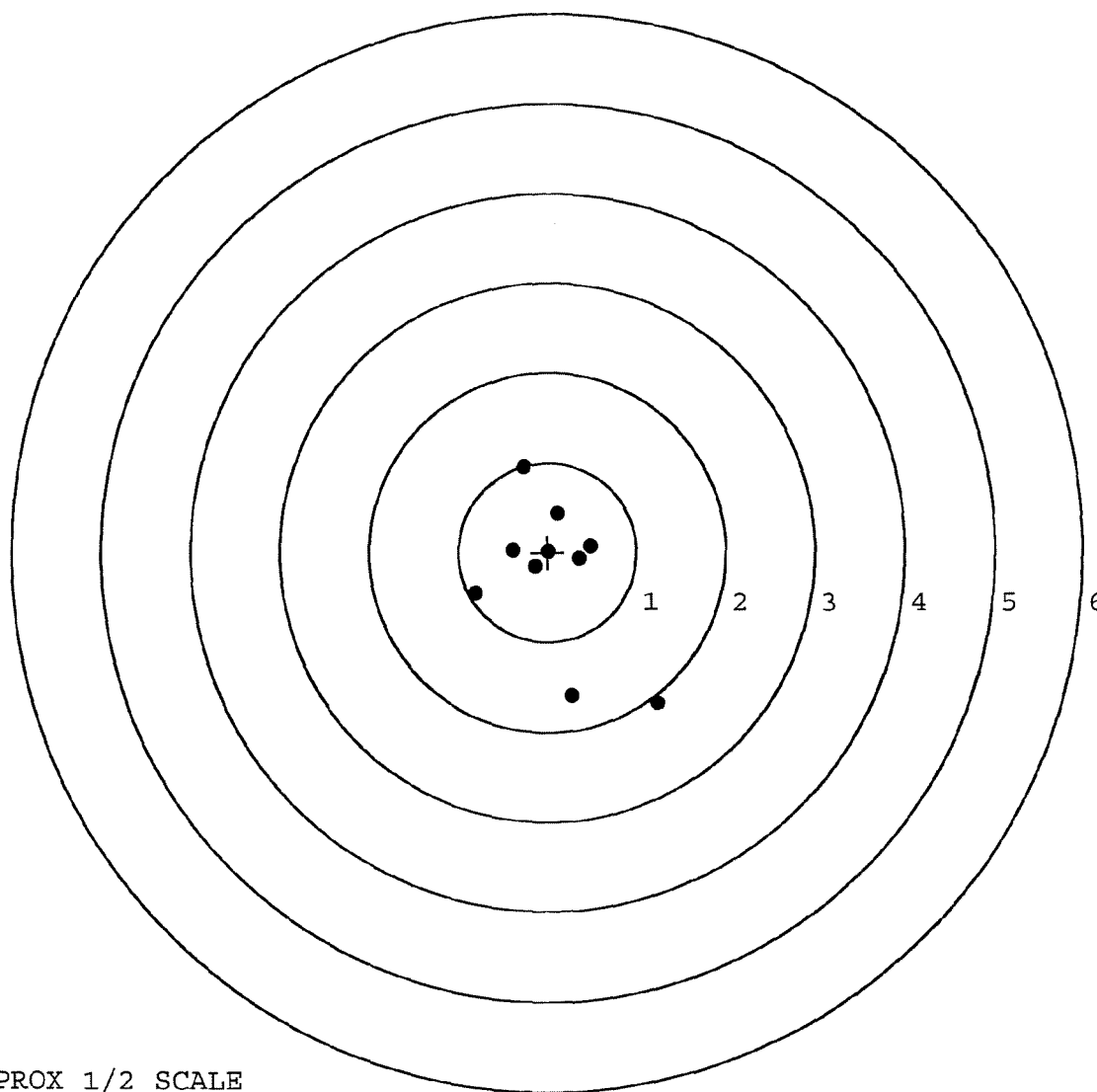
MEAN RADIUS: 0.793

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.474	0.067
2:	0.355	-0.070
3:	0.107	0.429
4:	-0.278	0.947
5:	0.007	0.012
6:	-0.145	-0.164
7:	-0.388	0.026
8:	-0.808	-0.464
9:	0.275	-1.600
10:	1.235	-1.677



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. __0

TARGET NUMBER: 3

FILE DATE: 07/26/2007

FILE TIME: 14:50

X CENTROID: -0.114

Y CENTROID: 0.006

POA TO CENTROID: 0.114

HORZ SPREAD: 2.138

VERT SPREAD: 1.841

GROUP SPREAD: 2.563

MIN RADIUS: 0.130

MAX RADIUS: 1.488

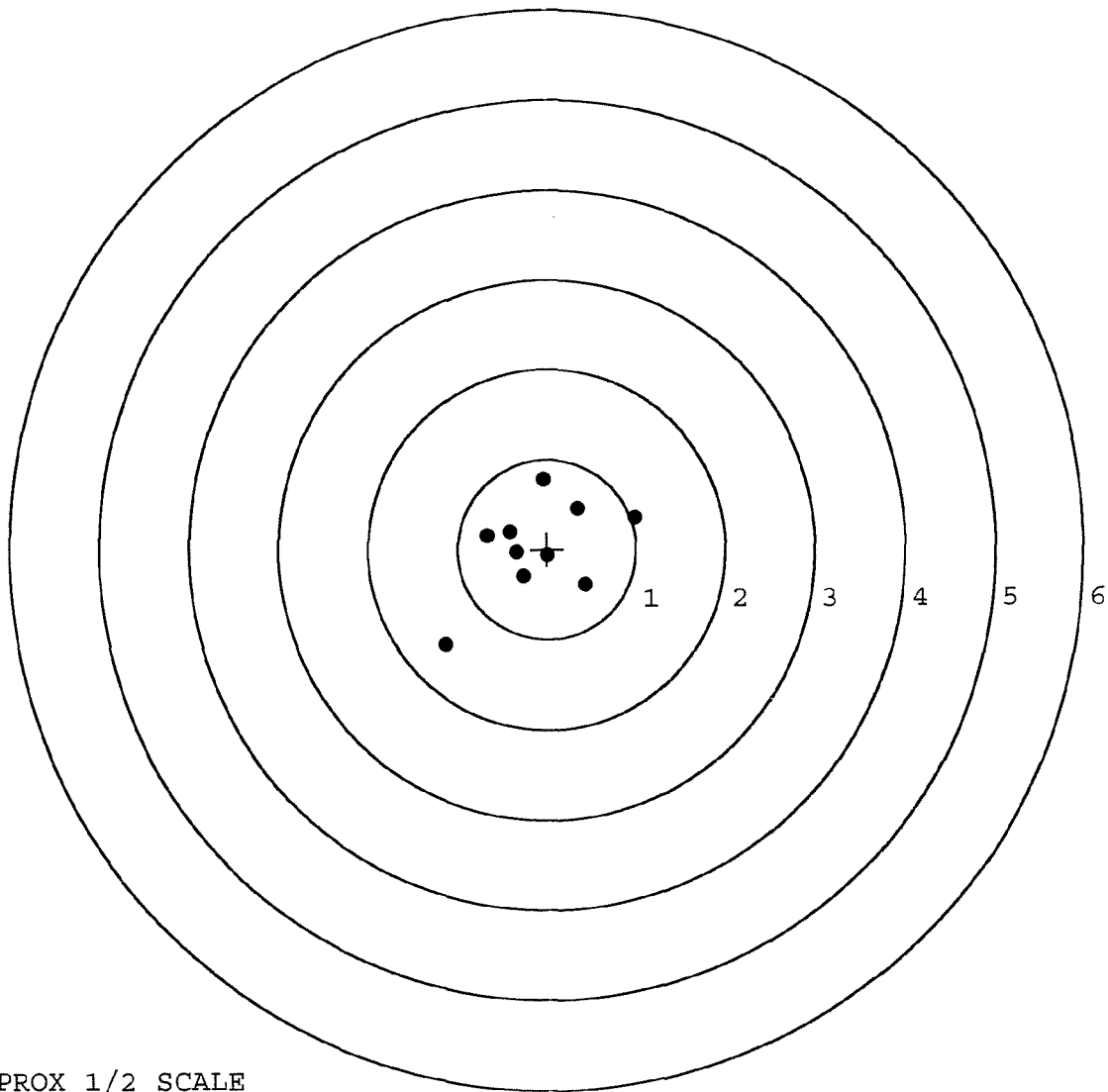
MEAN RADIUS: 0.638

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.993	0.348
2:	0.428	-0.397
3:	0.341	0.458
4:	-0.045	0.775
5:	-1.145	-1.066
6:	-0.268	-0.304
7:	-0.006	-0.067
8:	-0.340	-0.037
9:	-0.422	0.196
10:	-0.674	0.155



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. __0

TARGET NUMBER: 4

FILE DATE: 07/26/2007

FILE TIME: 14:50

X CENTROID: 0.142

Y CENTROID: -0.002

POA TO CENTROID: 0.142

HORZ SPREAD: 1.922

VERT SPREAD: 2.168

GROUP SPREAD: 2.383

MIN RADIUS: 0.296

MAX RADIUS: 1.566

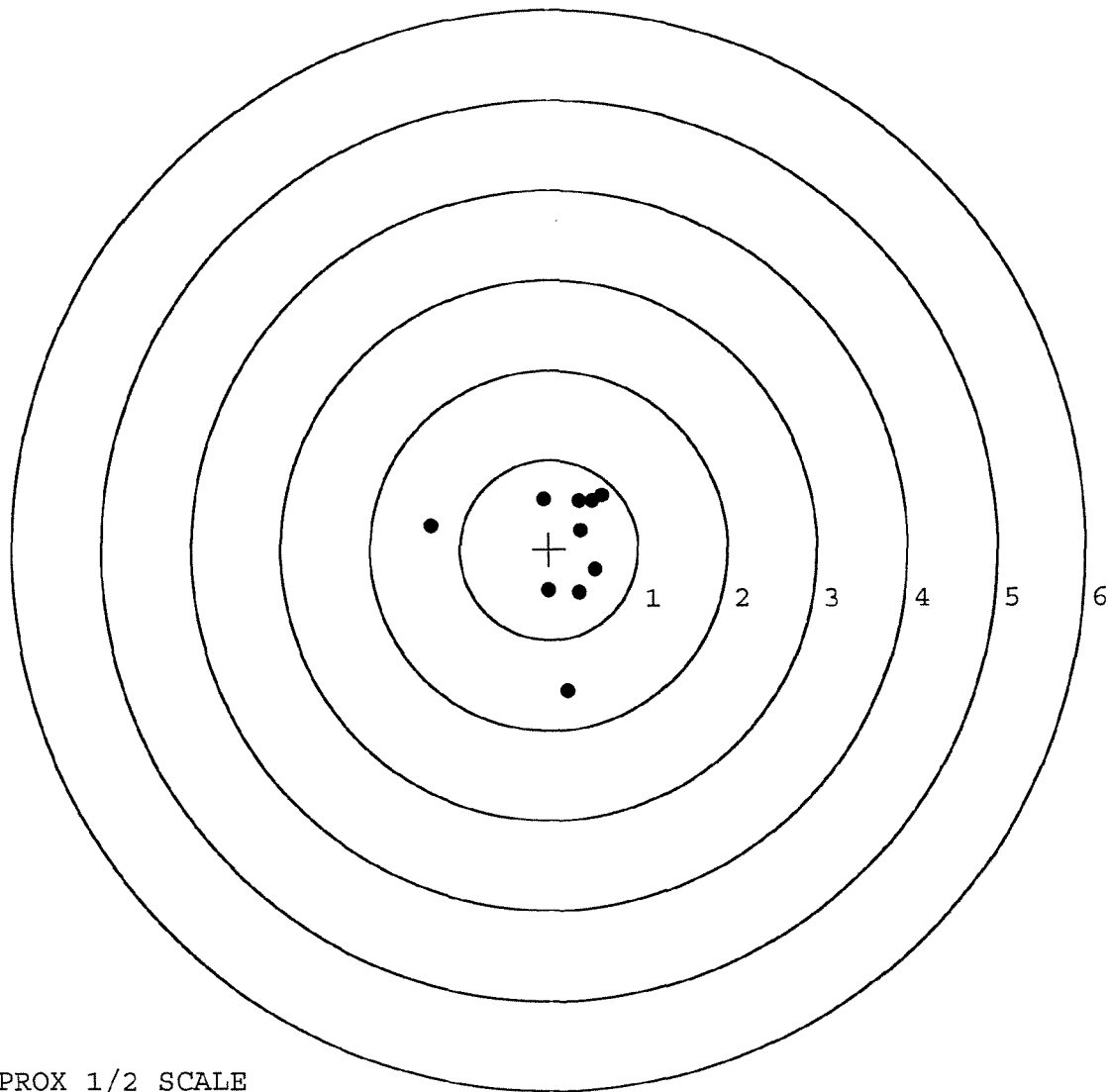
MEAN RADIUS: 0.738

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.203	-1.567
2:	-0.014	-0.465
3:	0.338	-0.481
4:	0.520	-0.230
5:	0.348	0.211
6:	0.596	0.601
7:	0.483	0.546
8:	0.335	0.546
9:	-0.063	0.558
10:	-1.326	0.261



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. __0

TARGET NUMBER: 5

FILE DATE: 07/26/2007

FILE TIME: 14:50

X CENTROID: -0.147

Y CENTROID: 0.016

POA TO CENTROID: 0.148

HORZ SPREAD: 1.555

VERT SPREAD: 2.627

GROUP SPREAD: 2.793

MIN RADIUS: 0.143

MAX RADIUS: 1.929

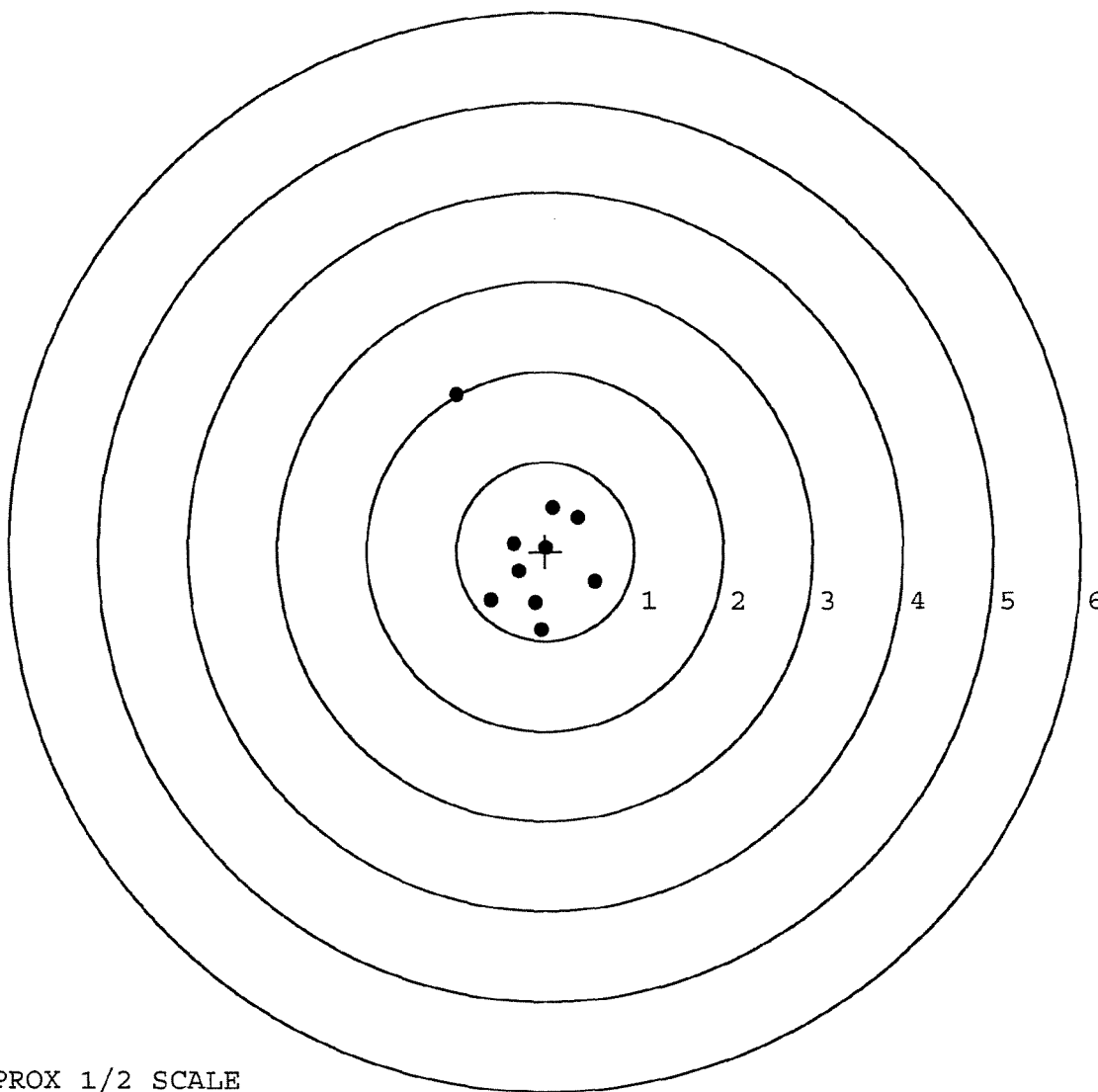
MEAN RADIUS: 0.676

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.554	-0.346
2:	-0.051	-0.881
3:	-0.125	-0.574
4:	-0.619	-0.549
5:	0.363	0.379
6:	0.082	0.493
7:	-0.006	0.043
8:	-0.359	0.082
9:	-0.304	-0.230
10:	-1.001	1.746



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		129832	
SERIAL NUMBER		C6590181	
LOG-IN DATE		5-30-07	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-9-07	RTZ
505	RE-BARREL	7-13-07	RTZ
560	ASSEMBLE	7-16-07	TRW
600	PROOF	7-16-07	TRW
605	CHECK HEADSPACE	7-16-07	TRW
610	DIS-ASSEMBLE GUN	7-16-07	RTZ
612	MAGNAFLUX	7-17-07	unms
510	DRILL AND TAP	7-16-07	TRW
615	ROLLMARK CALIBER	7-16-07	CW
618	ROTO-BLAST	7-17-07	LB
620	APPLY COATINGS	7-18-07	com
625	FINAL ASSEMBLY	7-26-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	7-26-07 TRW
650	TARGET	PASS FAIL	7-26-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		7-26-07 TRW
	A) HEADSPACE	PASS FAIL	7-26-07 DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.49 2.78 2.83 2.83 2.89 7-26-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 5 5 7-26-07 DA
	G) SAFETY OFF FORCE	2 LBS MAX	2.0 2.0 2.0 7-26-07 DA
	I) FIRING PIN INDENT	.020	.023 .023 .023 7-26-07 DA
690	PACK		7-27-07 DA

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: **RE00118100** Serial: G6391089 Model M24 SWS Center Fire Repairman: _____
 Verify Repair _____ Caliber: 7.62 NATO Status: _____ Closed 9/28/2006 8:41:19 AM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **TRANSPORATION DIVISION, DFEL** **TRANSPORATION DIVISION, DFEL**

Address 1: **6759 MITCHELL AVENUE** **6759 MITCHELL AVENUE**

Address 2: **BLDG 1836** PO Box: _____ **BLDG 1836** PO Box: _____

City: **FORT BENNING** **FORT BENNING**

State: **GA** Zip Code: **31905** Country: **US** State: **GA** Zip Code: **31905** Country: **US**

FFL: _____

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing																					
Contact Information Phone: NA Fax: _____ Email: _____ Comments: _____	Received Condition Fair Condition 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>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</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> <tr> <td>A045</td> <td>Bi Pod</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Frt and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>			Code	Desc	Qty	A007	With Stud	3	A010	Hard Case	1	A017	Scope Base	1	A026	Scope	1	A045	Bi Pod	1	A057	Frt and Rear Sgt Base	1
Code	Desc	Qty																							
A007	With Stud	3																							
A010	Hard Case	1																							
A017	Scope Base	1																							
A026	Scope	1																							
A045	Bi Pod	1																							
A057	Frt and Rear Sgt Base	1																							

Repair Search | Refresh | Close

naglelj 9/28/2006 8:50 AM CAPS NUM INS SCRL

start 3 M. 3 M. 5 I. Par... Sto... Mo... Ar... 8:50 AM

G 6590181

Serial Number: **G6391089**

Model: **M24 SWS**



RE00118100

DATE: 20060911

MAINTENANCE REQUEST

DA FORM 5990-E

----- CUSTOMER DATA -----

UIC: W2L58L
UTIL CODE: 0

HHC 2/29 INF. REGT.

PHONE: (706) 544-1450

----- ACTIVITY DATA -----

SUP WON:
SUP UIC: W6CR07

ITT

PHONE: 544-8635
SHOP SEC:

----- EQUIPMENT DATA -----

TYPE MNT REQ: 1 ID: A NSN: 1005012402136 MODEL: M24RIFLE

NOUN: RIFLE 7.62MM SNIP SER NUM: G6391089 / 900142 QTY: 00001

ORG WON: 2L58L1601271 PRIORITY: 03 FAILURE DETECTED: F

MI/KM: 000000

HOURS: -----

ROUNDS:

IN WARRANTY: N

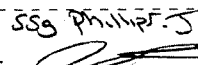
LEVEL OF WORK: F

ADMIN NUM: S-43

DEFICIENCY: FIRING PIN NOTCH WORN

PD AUTHENTICATING SIGNATURE: 

----- SIGNATURE DATA -----

SUBMITTED BY: 

ORD DATE: 06256

MIL TIME: 1110

ACCEPTED BY: S. Bullard

STATUS: A

ORD DATE: 06256

MIL TIME: 1110

----- ACTION DATA -----

WORK STARTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

INSPECTED BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

PICKED UP BY: _____ STATUS: _____ ORD DATE: _____ MIL TIME: _____

----- COMPLETION DATA -----

QTY RPR: _____ QTY CONDEMNED: _____ NRTS: _____

EVAC WON: _____

EVAC UNIT NAME: _____

SSg Phillips
575-8183W6GFA67
M9WMWAR
K4AB

BARBER - M24 0166233**AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS**

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

DATE 10/2/06TESTER mgm

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.30	2.62		2.41	
PULL #2	2.39	2.56		2.35	
PULL #3	2.45	2.76		2.27	
PULL #4	2.51	2.41		2.26	
PULL #5	2.34	2.42		2.29	
TOTAL	11.99	12.77		11.58	
AVERAGE	2.40	2.55		2.32	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.09	3.04		
PULL #2	3.16	3.19		
PULL #3	3.25	3.23		
PULL #4	3.20	3.19		
PULL #5	3.07	3.11		
TOTAL	15.77	15.76		
AVERAGE	3.15	3.15		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.10	3.97		4.10
PULL #2	4.16	4.17		4.19
PULL #3	4.12	3.96		4.12
PULL #4	4.05	3.88		4.19
PULL #5	4.12	3.84		4.16
TOTAL	20.55	19.82		20.76
AVERAGE	4.11	3.96		4.15

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6590181.___0
FILE DATE AND TIME: 10/14/2006 09:29

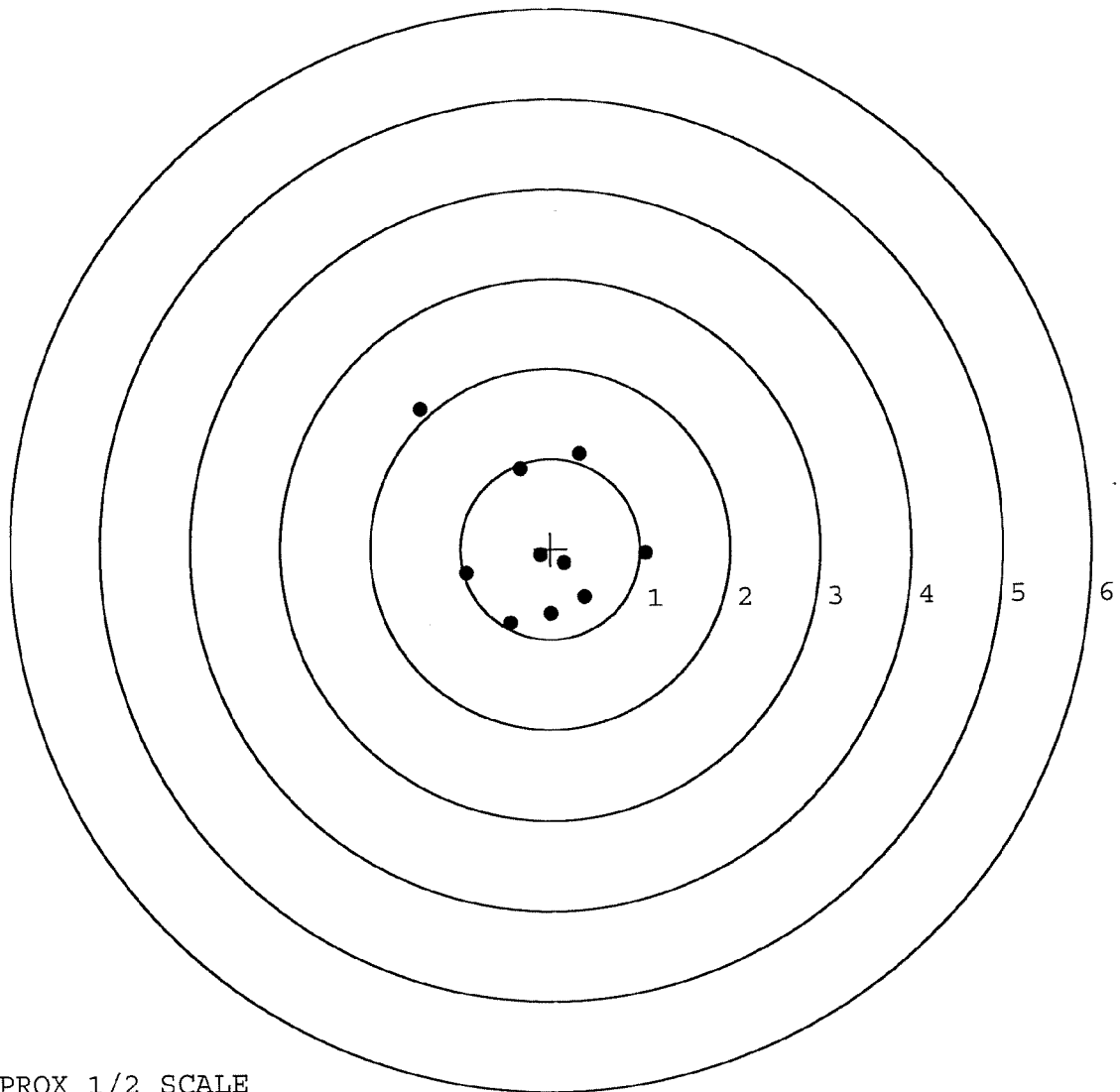
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.035
The Average Y Centroid of the Five Target Set:	0.020
The Average Point of Impact of the Five Target Set:	0.040
The Average Mean Radius of the Five Target Set:	0.732
The Distance from POA to Centroid Target #1:	0.161
The Distance from Centroid Target #2 to Centroid Target #1:	0.195
The Distance from Centroid Target #3 to Centroid Target #1:	0.092
The Distance from Centroid Target #4 to Centroid Target #1:	0.128
The Distance from Centroid Target #5 to Centroid Target #1:	0.242

SERIAL NUMBER: G6590181. __0
 TARGET NUMBER: 1
 FILE DATE: 10/14/2006
 FILE TIME: 09:29

X CENTROID: -0.136
 Y CENTROID: 0.086
 POA TO CENTROID: 0.161
 HORZ SPREAD: 2.497
 VERT SPREAD: 2.385
 GROUP SPREAD: 2.973
 MIN RADIUS: 0.159
 MAX RADIUS: 1.961
 MEAN RADIUS: 0.906
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.066	-0.054
2:	0.375	-0.536
3:	-0.012	-0.722
4:	-0.456	-0.826
5:	-0.934	-0.264
6:	-0.120	-0.072
7:	0.151	-0.157
8:	0.334	1.047
9:	-0.330	0.887
10:	-1.431	1.559

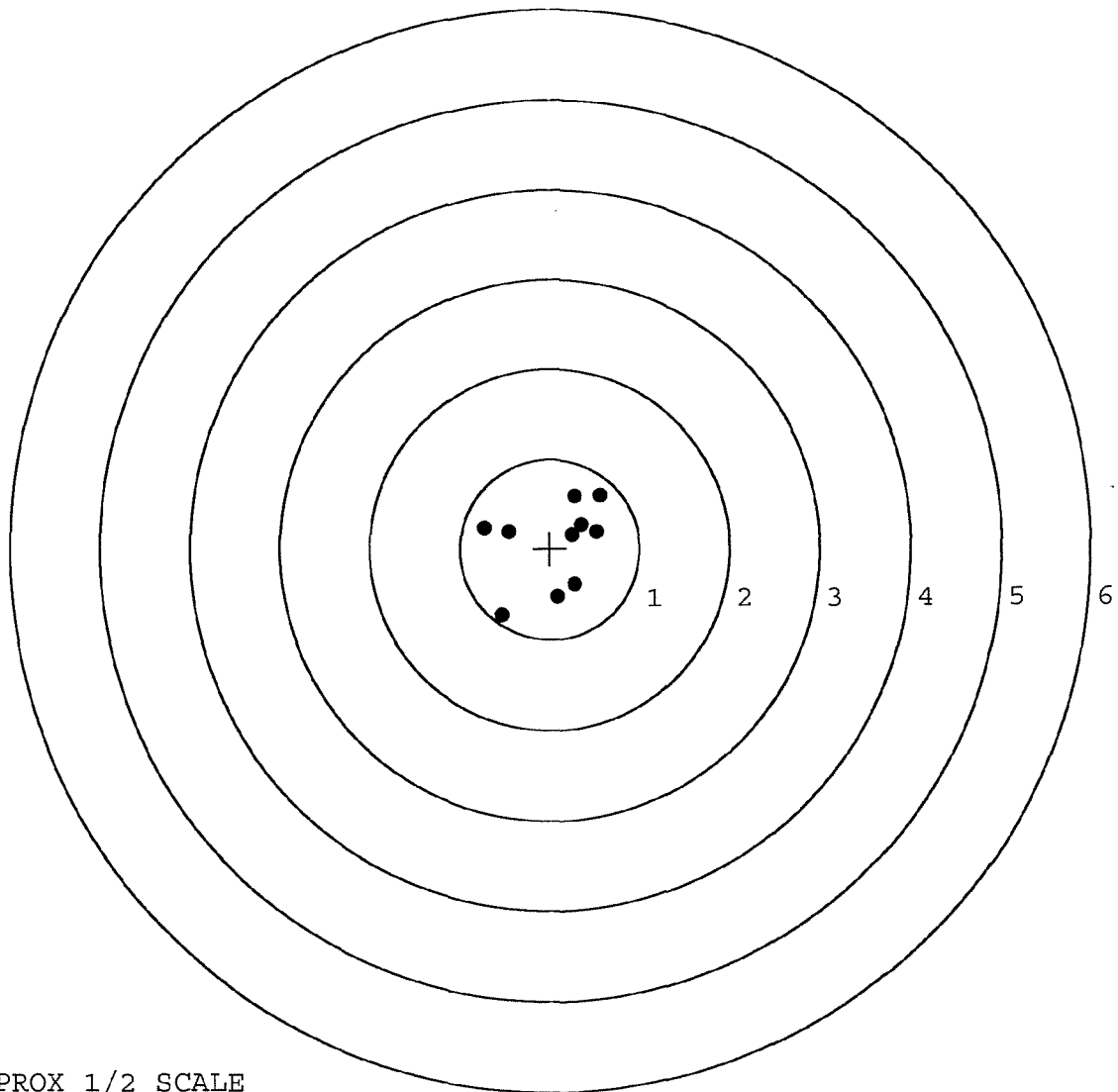


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. __0
 TARGET NUMBER: 2
 FILE DATE: 10/14/2006
 FILE TIME: 09:29

X CENTROID: 0.057
 Y CENTROID: 0.056
 POA TO CENTROID: 0.080
 HORZ SPREAD: 1.291
 VERT SPREAD: 1.334
 GROUP SPREAD: 1.731
 MIN RADIUS: 0.212
 MAX RADIUS: 0.995
 MEAN RADIUS: 0.581
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.543	-0.737
2:	0.084	-0.537
3:	0.276	-0.398
4:	-0.731	0.239
5:	-0.464	0.189
6:	0.242	0.159
7:	0.520	0.191
8:	0.276	0.589
9:	0.560	0.597
10:	0.348	0.273

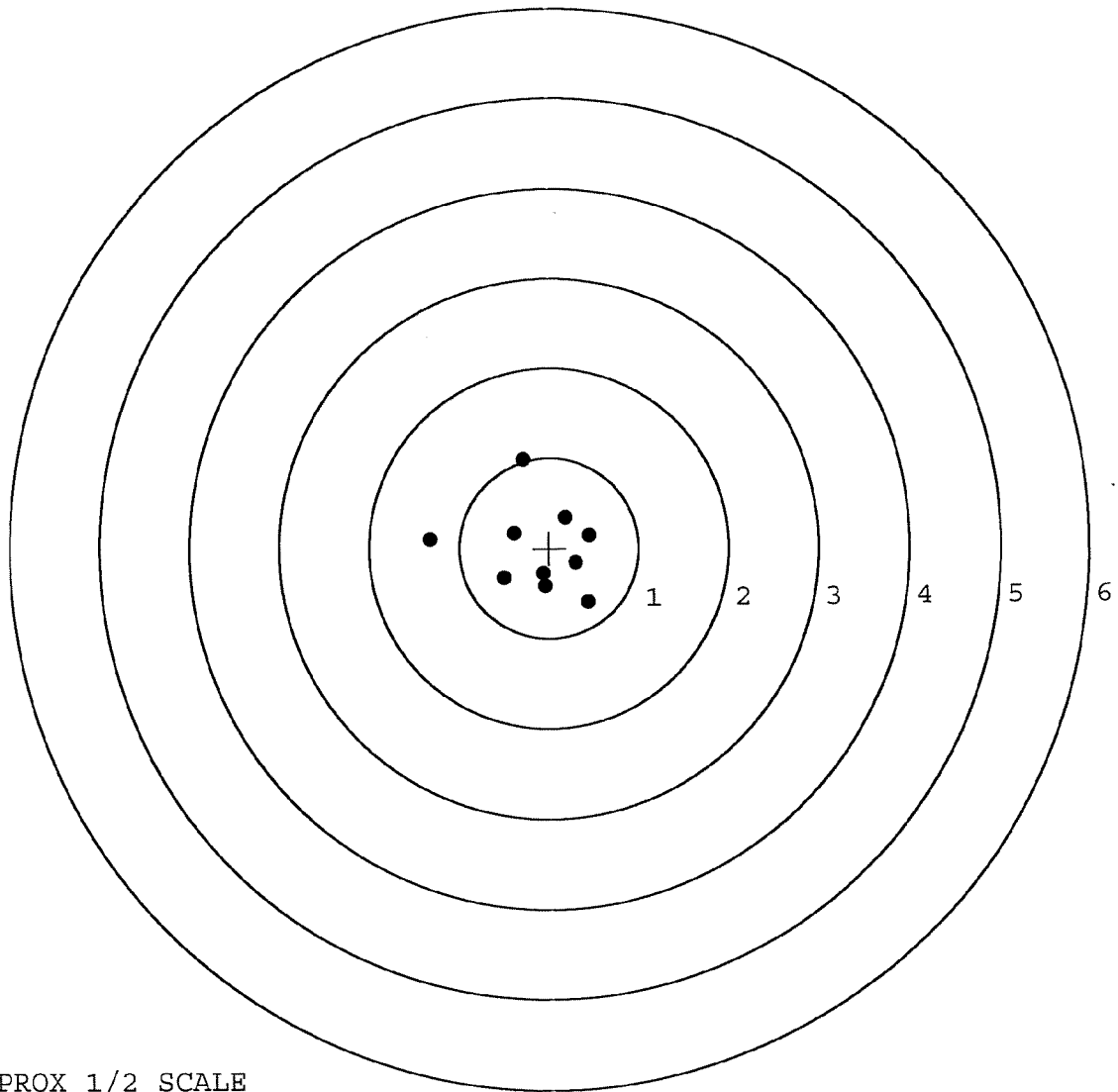


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. __0
 TARGET NUMBER: 3
 FILE DATE: 10/14/2006
 FILE TIME: 09:29

X CENTROID: -0.127
 Y CENTROID: -0.005
 POA TO CENTROID: 0.128
 HORZ SPREAD: 1.771
 VERT SPREAD: 1.585
 GROUP SPREAD: 1.895
 MIN RADIUS: 0.284
 MAX RADIUS: 1.199
 MEAN RADIUS: 0.606
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.434	-0.604
2:	0.298	-0.162
3:	0.450	0.145
4:	0.181	0.343
5:	-0.073	-0.284
6:	-0.049	-0.426
7:	-0.507	-0.327
8:	-0.395	0.168
9:	-1.321	0.111
10:	-0.293	0.981



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. __0

TARGET NUMBER: 4

FILE DATE: 10/14/2006

FILE TIME: 09:29

X CENTROID: -0.023

Y CENTROID: 0.025

POA TO CENTROID: 0.034

HORZ SPREAD: 1.484

VERT SPREAD: 2.320

GROUP SPREAD: 2.447

MIN RADIUS: 0.117

MAX RADIUS: 1.588

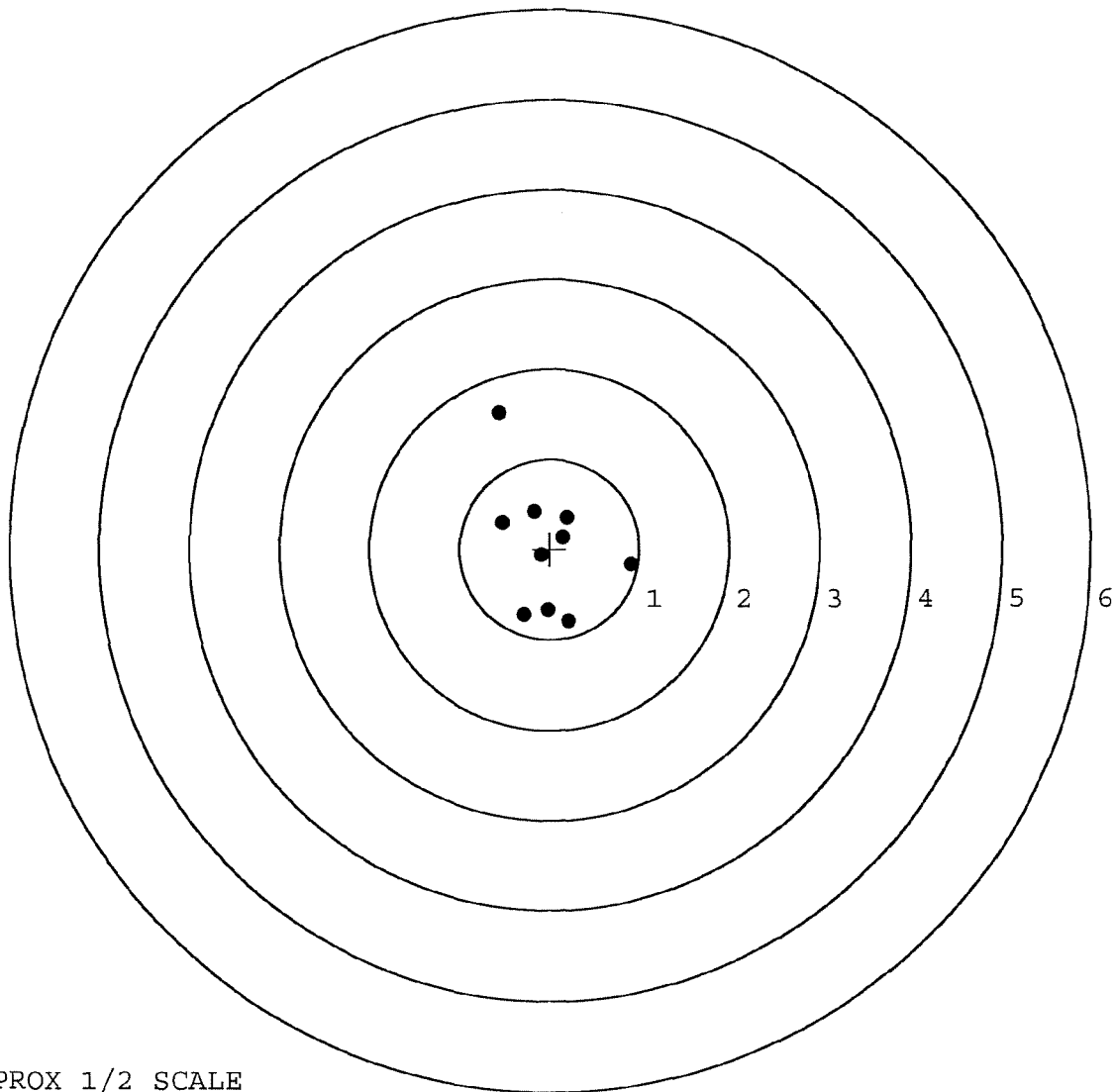
MEAN RADIUS: 0.663

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.912	-0.173
2:	-0.572	1.515
3:	0.207	-0.805
4:	-0.023	-0.685
5:	-0.291	-0.734
6:	-0.529	0.295
7:	-0.178	0.419
8:	0.192	0.357
9:	0.145	0.128
10:	-0.096	-0.067



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6590181. __0

TARGET NUMBER: 5

FILE DATE: 10/14/2006

FILE TIME: 09:29

X CENTROID: 0.056

Y CENTROID: -0.061

POA TO CENTROID: 0.083

HORZ SPREAD: 1.774

VERT SPREAD: 2.465

GROUP SPREAD: 2.534

MIN RADIUS: 0.355

MAX RADIUS: 1.557

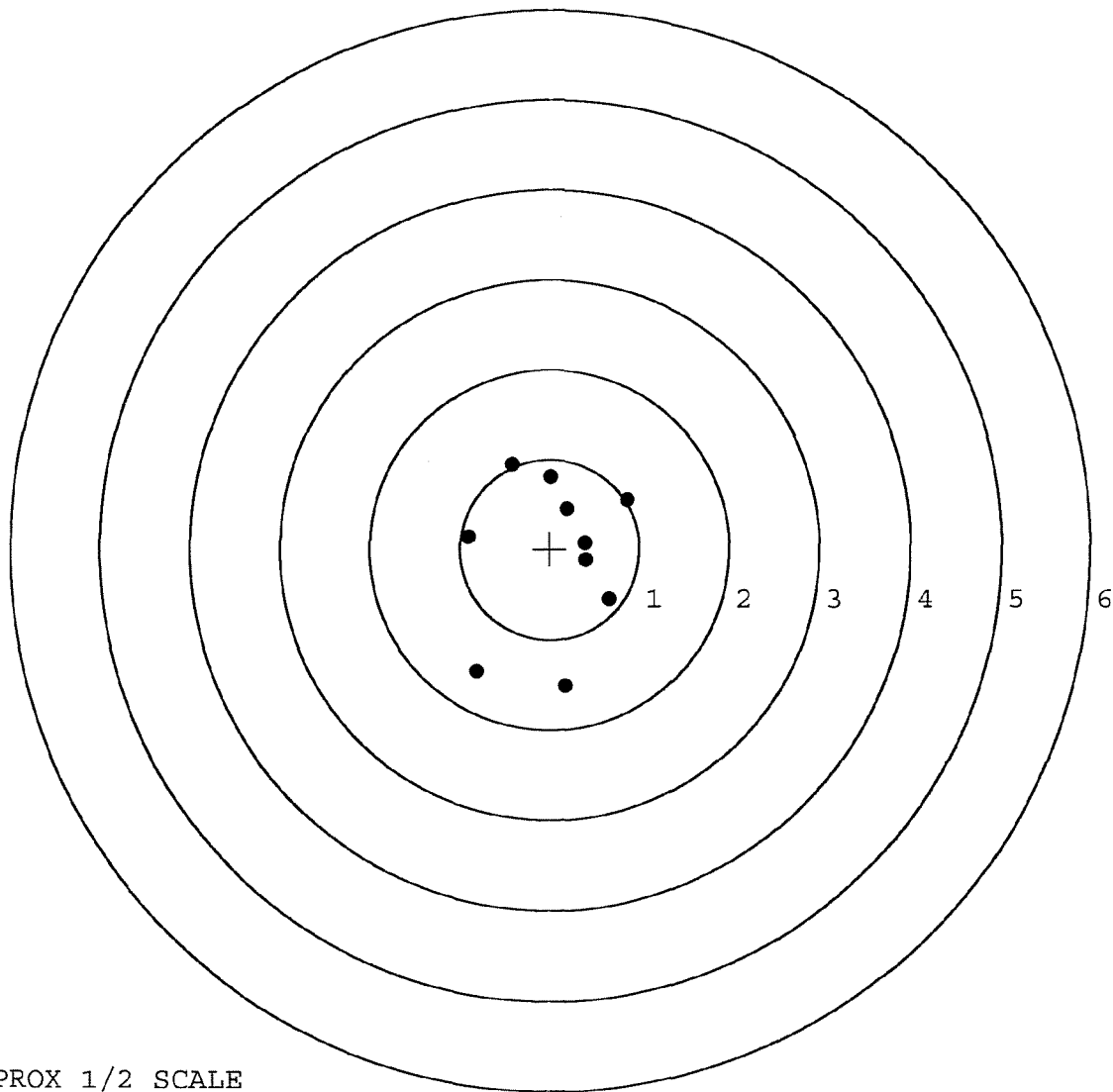
MEAN RADIUS: 0.903

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.175	-1.519
2:	-0.809	-1.355
3:	-0.913	0.134
4:	0.666	-0.559
5:	0.861	0.551
6:	0.189	0.447
7:	0.012	0.804
8:	-0.424	0.946
9:	0.399	0.068
10:	0.405	-0.126



TARGET APPROX 1/2 SCALE

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	118106			
SERIAL NUMBER	06391089		06590181	
LOG-IN DATE	9-28-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		10-03-06	RTZ
505	RE-BARREL		10-4-06	RTZ
420	ASSEMBLE		10-4-06	RTZ
440	PROOF	MAGNA-FLUX	10-4-06	TRW
460	CHECK HEADSPACE	INSPECTED	10-4-06	TRW
470	DIS-ASSEMBLE GUN	OCT 06 2006	10-4-06	RTZ
480	MAGNAFLUX	OPERATION CPD	10-6-06	APD
510	DRILL AND TAP		10-5-06	SD
500	ROLLMARK CALIBER		10-6-06	RP
520	GOFF BLAST BBL / REC		10-6-06	LB
530 & 540	APPLY COATINGS		10-9-06	RTZ
560	FINAL ASSEMBLY		10-14-06	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	10-14-06	TRW
650	TARGET	(PASS) FAIL	10-14-06	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	10-14-06	DK
670	FINAL INSPECTION		10-18-06	RTZ
	A) HEADSPACE	PASS FAIL	10-18-06	RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.37 2.45 2.53 2.56 2.48	10-14-06 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	6.2 5.5 6.0	10-14-06 DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.5 2.5	10-14-06 DA
	I) FIRING PIN INDENT	.020	0.25 0.25 0.24	10-14-06 DA
690	PACK		10-14-06	DA

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

BARREL ASSEMBLY

BARREL_____
RECEIVER_____
FRONT SIGHT BASE_____
REAR SIGHT BASE_____
SCREWS_____
FINISH

SCOPE ASSEMBLY

SCOPE_____
SCOPE RINGS_____
MOUNTING SCREWS_____
MOUNTING BASE_____
SCREWS_____
FINISH_____
CLARITY

STOCK ASSEMBLY

STOCK_____
SLING SWIVEL STUDS_____
BUTT PATE_____
LOCK NUTS_____
BARREL CLEARANCE_____
COLOR / FINISH

SYSTEM CASE

SCOPE CASE_____
IRON SIGHTS_____
DEPLOYMENT KIT

TRIGGER ASSEMBLY

SAFETY OPERATION_____
RE-SET TO FACTORY
SPECS

COMMENTS: _____

F006 REV 5/2006

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: **RE00083420** Serial: E6413487 Model M24 SWS Center Fire
 Verify Repair Caliber: 7.62 NATO Repairman: Status: Closed 8/3/2004 12:42:11 PM

Address Information

Customer: Received From Return To: Received From

Name: TRANSPORTATION DIV DFEL TRANSPORTATION DIV DFEL

Address 1: BLDG 1836 BLDG 1836
 Address 2: 6759 MITCHELL AVE PO Box: 6759 MITCHELL AVE PO Box:
 City: FORT BENNING FORT BENNING
 State: GA Zip Code: 31905 Country: US State: GA Zip Code: 31905 Country: US

FFL: [] [] [] [] [] [] [] [] [] []

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing
Date	Code	User ID	Desc1	Current Status
8/3/2004 12:35:3	New	urtzdi	Repair Added	Closed
8/3/2004 12:42:1	Closed	urtzdi	Closed at Expedite	8/3/2004 12:42:11 PM
				urtzdi
				Sniper Systems
				Repair Location
				ILN
				Current Location
				ILN
				Transfer Number

Shipping Hold
 InterFace Hold
 Estimate Sent
 Parts Received
 Passed Inspection
 Return As Received
 Has been Approved
 Internal Repair

Repair Search Refresh Close

eglandit 8/4/2004 8:29 AM CAPS NUM INS SCRL

start Inbo... DMS... 2 S... SAP ... Displ... Micro... Arms... 8:29 AM

G 6391089 (New)

Serial Number: **E6413487**

Model: **M24 SWS**



RE00083420

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6391089.__0
FILE DATE AND TIME: 08/20/2004 06:26

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.001
The Average Y Centroid of the Five Target Set:	0.065
The Average Point of Impact of the Five Target Set:	0.065
The Average Mean Radius of the Five Target Set:	0.667
The Distance from POA to Centroid Target #1:	0.206
The Distance from Centroid Target #2 to Centroid Target #1:	0.066
The Distance from Centroid Target #3 to Centroid Target #1:	0.123
The Distance from Centroid Target #4 to Centroid Target #1:	0.291
The Distance from Centroid Target #5 to Centroid Target #1:	0.332

SERIAL NUMBER: G6391089. __0

TARGET NUMBER: 1

FILE DATE: 08/20/2004

FILE TIME: 06:26

X CENTROID: 0.011

Y CENTROID: 0.206

POA TO CENTROID: 0.206

HORZ SPREAD: 1.173

VERT SPREAD: 1.397

GROUP SPREAD: 1.401

MIN RADIUS: 0.167

MAX RADIUS: 0.762

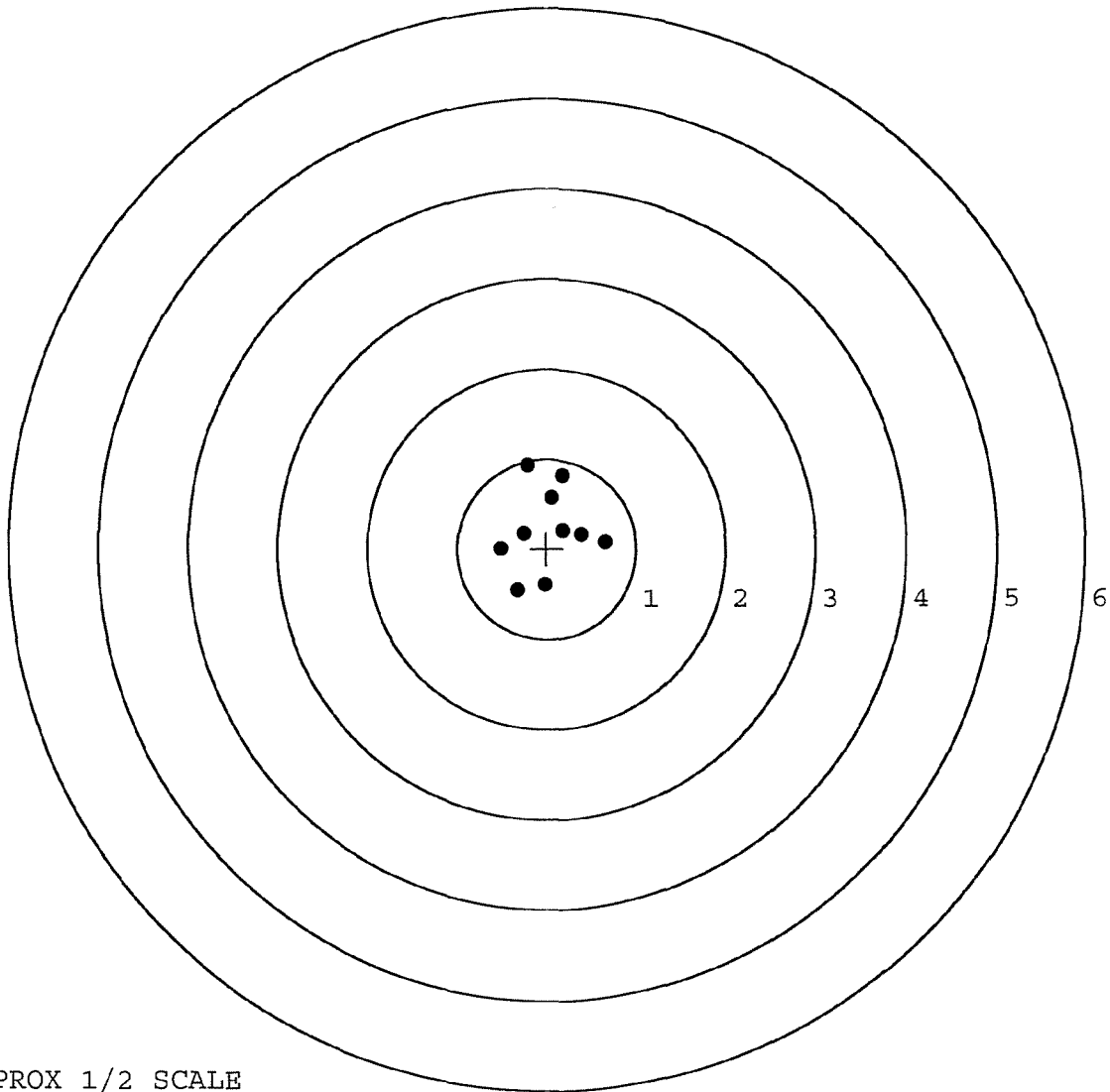
MEAN RADIUS: 0.516

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.218	0.932
2:	0.174	0.815
3:	0.056	0.571
4:	0.657	0.076
5:	0.178	0.200
6:	-0.026	-0.403
7:	-0.329	-0.465
8:	-0.516	-0.004
9:	-0.257	0.173
10:	0.387	0.160

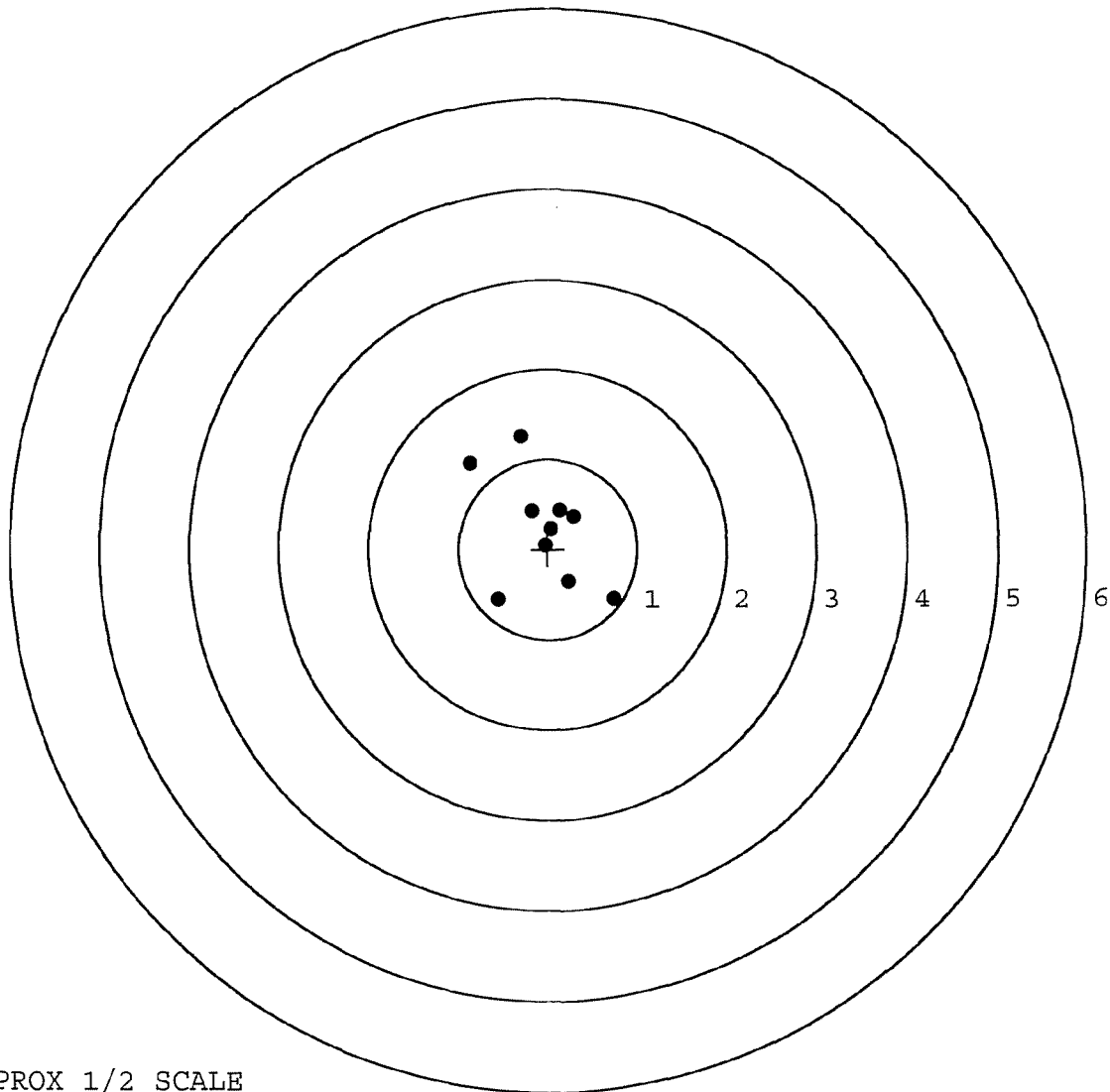


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. __0
 TARGET NUMBER: 2
 FILE DATE: 08/20/2004
 FILE TIME: 06:26

X CENTROID: -0.053
 Y CENTROID: 0.223
 POA TO CENTROID: 0.230
 HORZ SPREAD: 1.605
 VERT SPREAD: 1.807
 GROUP SPREAD: 2.199
 MIN RADIUS: 0.093
 MAX RADIUS: 1.105
 MEAN RADIUS: 0.600
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.305	1.251
2:	-0.867	0.954
3:	-0.565	-0.556
4:	-0.184	0.426
5:	0.286	0.361
6:	-0.033	0.040
7:	0.232	-0.354
8:	0.738	-0.549
9:	0.128	0.436
10:	0.040	0.224

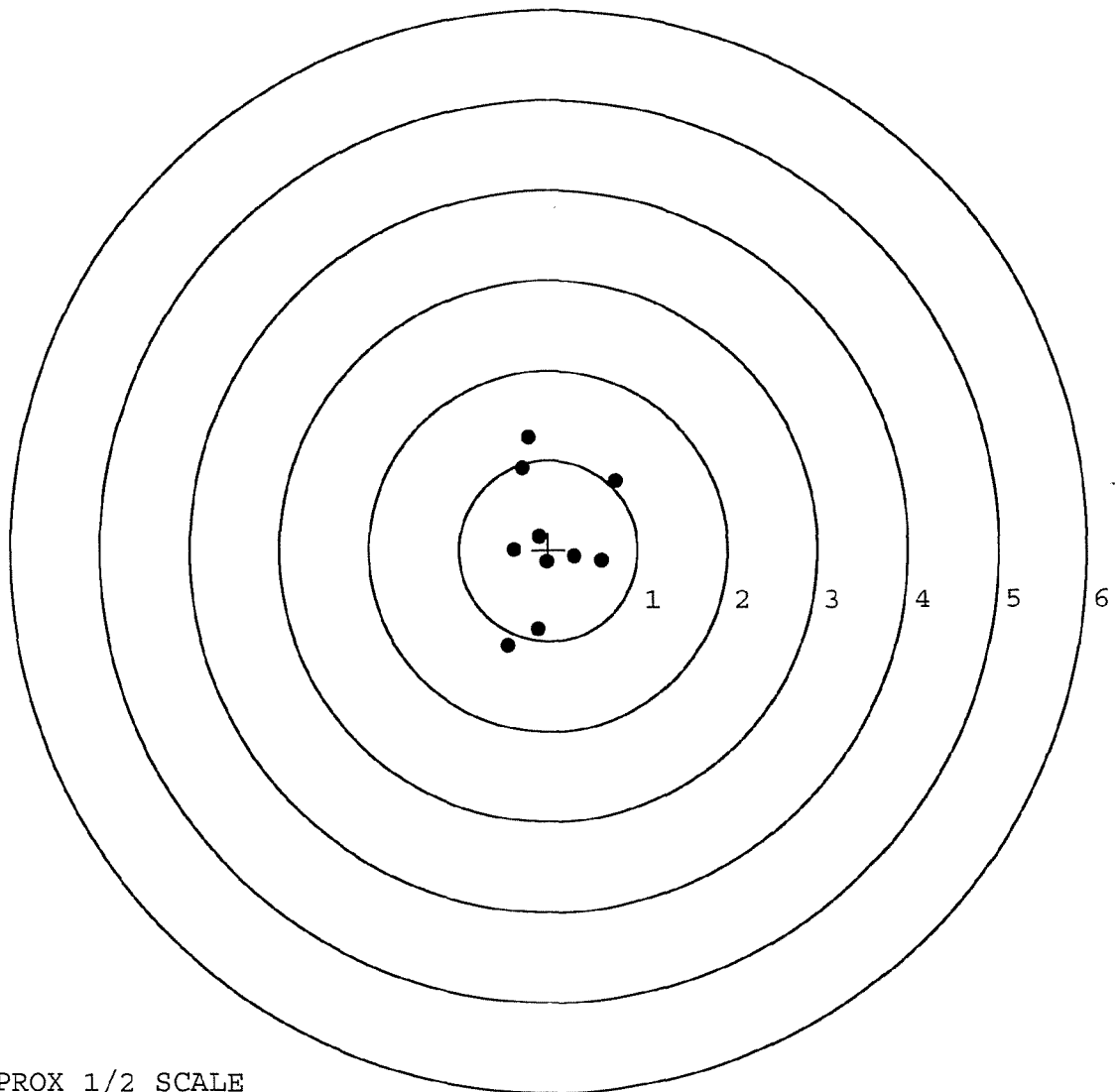


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. __0
 TARGET NUMBER: 3
 FILE DATE: 08/20/2004
 FILE TIME: 06:26

X CENTROID: 0.003
 Y CENTROID: 0.082
 POA TO CENTROID: 0.082
 HORZ SPREAD: 1.208
 VERT SPREAD: 2.307
 GROUP SPREAD: 2.319
 MIN RADIUS: 0.125
 MAX RADIUS: 1.228
 MEAN RADIUS: 0.698
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.753	0.769
2:	-0.220	1.250
3:	-0.296	0.911
4:	0.596	-0.114
5:	0.291	-0.071
6:	-0.023	-0.137
7:	-0.101	0.152
8:	-0.388	-0.002
9:	-0.455	-1.057
10:	-0.123	-0.877

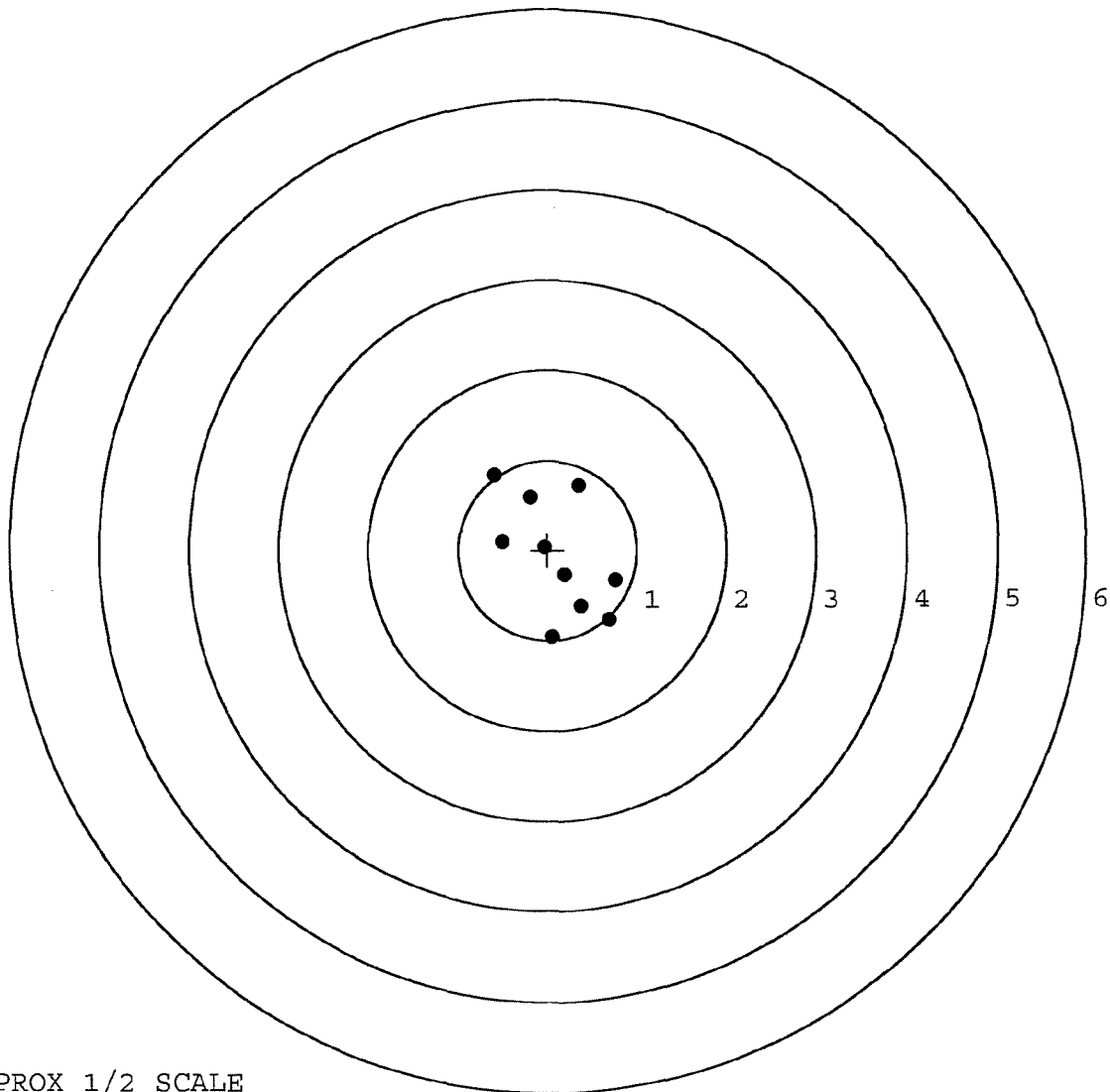


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. 0
 TARGET NUMBER: 4
 FILE DATE: 08/20/2004
 FILE TIME: 06:26

X CENTROID: 0.105
 Y CENTROID: -0.069
 POA TO CENTROID: 0.126
 HORZ SPREAD: 1.354
 VERT SPREAD: 1.812
 GROUP SPREAD: 2.064
 MIN RADIUS: 0.178
 MAX RADIUS: 1.152
 MEAN RADIUS: 0.688
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.755	-0.334
2:	0.682	-0.777
3:	0.369	-0.626
4:	0.051	-0.970
5:	0.188	-0.280
6:	-0.037	0.037
7:	-0.510	0.098
8:	-0.195	0.593
9:	0.350	0.722
10:	-0.599	0.842



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. 0

TARGET NUMBER: 5

FILE DATE: 08/20/2004

FILE TIME: 06:26

X CENTROID: -0.072

Y CENTROID: -0.116

POA TO CENTROID: 0.136

HORZ SPREAD: 1.618

VERT SPREAD: 2.442

GROUP SPREAD: 2.785

MIN RADIUS: 0.107

MAX RADIUS: 1.682

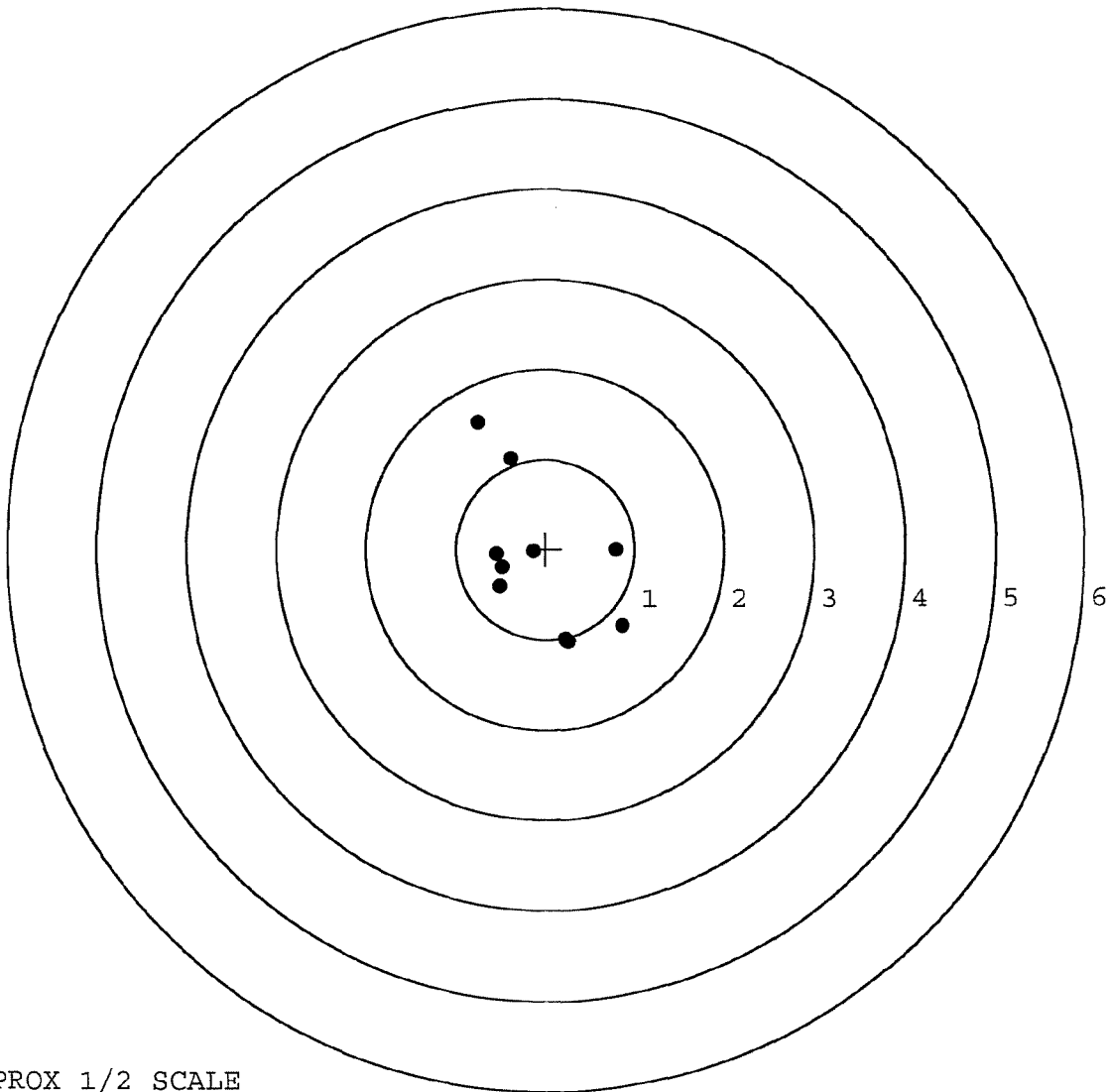
MEAN RADIUS: 0.835

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.859	-0.848
2:	0.221	-0.996
3:	0.788	-0.013
4:	-0.759	1.419
5:	-0.389	1.013
6:	-0.138	-0.032
7:	-0.551	-0.056
8:	-0.520	-0.419
9:	-0.487	-0.204
10:	0.257	-1.023



TARGET APPROX 1/2 SCALE

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

naqletj

1/23/2003

4:12 PM

CAFE

NUM

INS

SOIL

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: E6413487.__0

FILE DATE AND TIME: 02/15/2003 13:14

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:	-0.088
The Average Point of Impact of the Five Target Set:	0.104
The Average Mean Radius of the Five Target Set:	0.554
The Distance from POA to Centroid Target #1:	0.161
The Distance from Centroid Target #2 to Centroid Target #1:	0.118
The Distance from Centroid Target #3 to Centroid Target #1:	0.142
The Distance from Centroid Target #4 to Centroid Target #1:	0.105
The Distance from Centroid Target #5 to Centroid Target #1:	0.155

SERIAL NUMBER: E6413487. 0

TARGET NUMBER: 1

FILE DATE: 02/15/2003

FILE TIME: 13:14

X CENTROID: -0.141

Y CENTROID: -0.077

POA TO CENTROID: 0.161

HORZ SPREAD: 1.285

VERT SPREAD: 2.319

GROUP SPREAD: 2.634

MIN RADIUS: 0.283

MAX RADIUS: 1.730

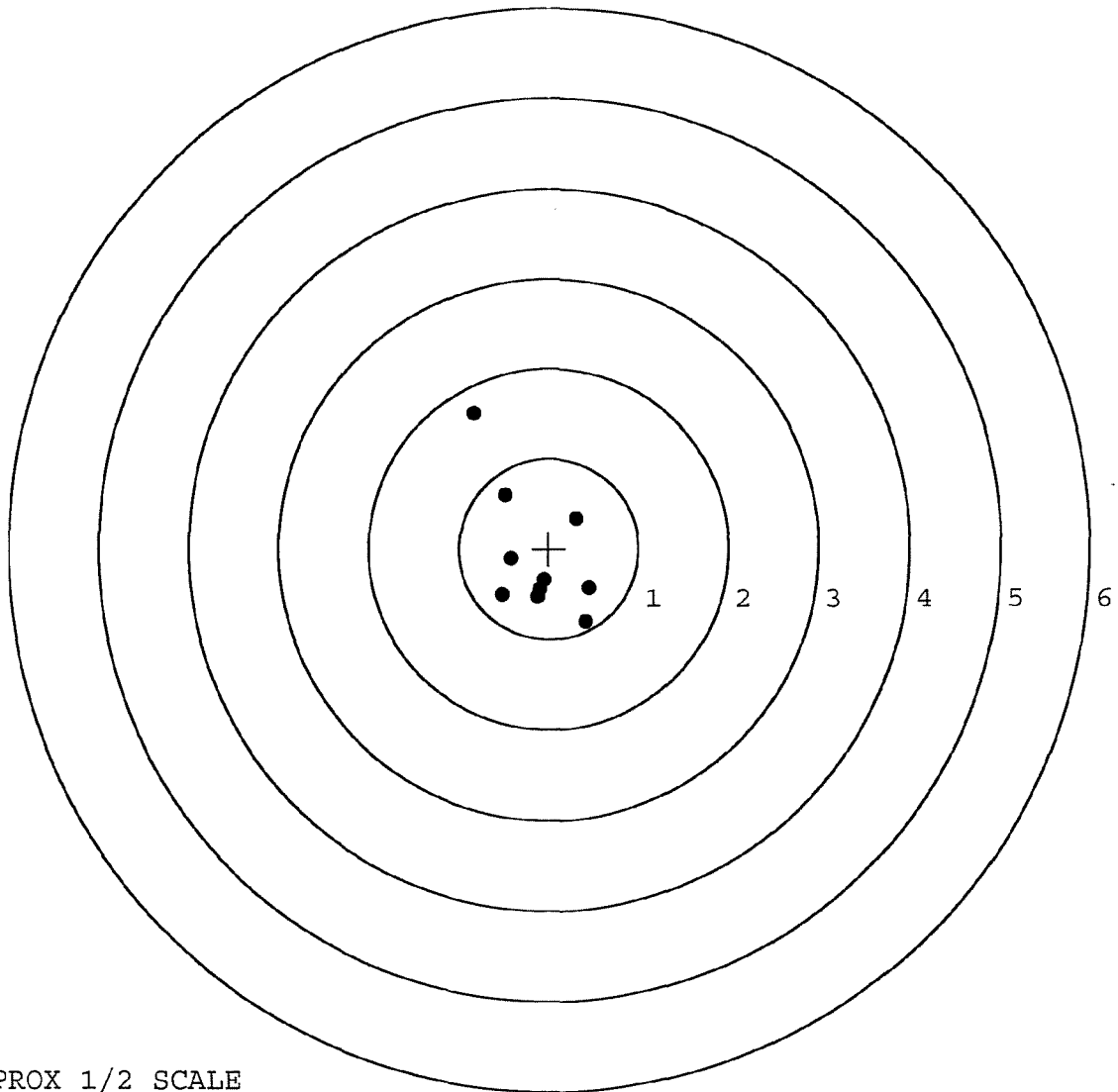
MEAN RADIUS: 0.670

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.412	-0.813
2:	0.448	-0.436
3:	-0.060	-0.348
4:	-0.133	-0.539
5:	-0.521	-0.513
6:	-0.425	-0.109
7:	0.302	0.339
8:	-0.492	0.597
9:	-0.837	1.506
10:	-0.102	-0.456



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413487. 0

TARGET NUMBER: 2

FILE DATE: 02/15/2003

FILE TIME: 13:14

X CENTROID: -0.066

Y CENTROID: 0.013

POA TO CENTROID: 0.067

HORZ SPREAD: 1.213

VERT SPREAD: 1.375

GROUP SPREAD: 1.394

MIN RADIUS: 0.223

MAX RADIUS: 0.833

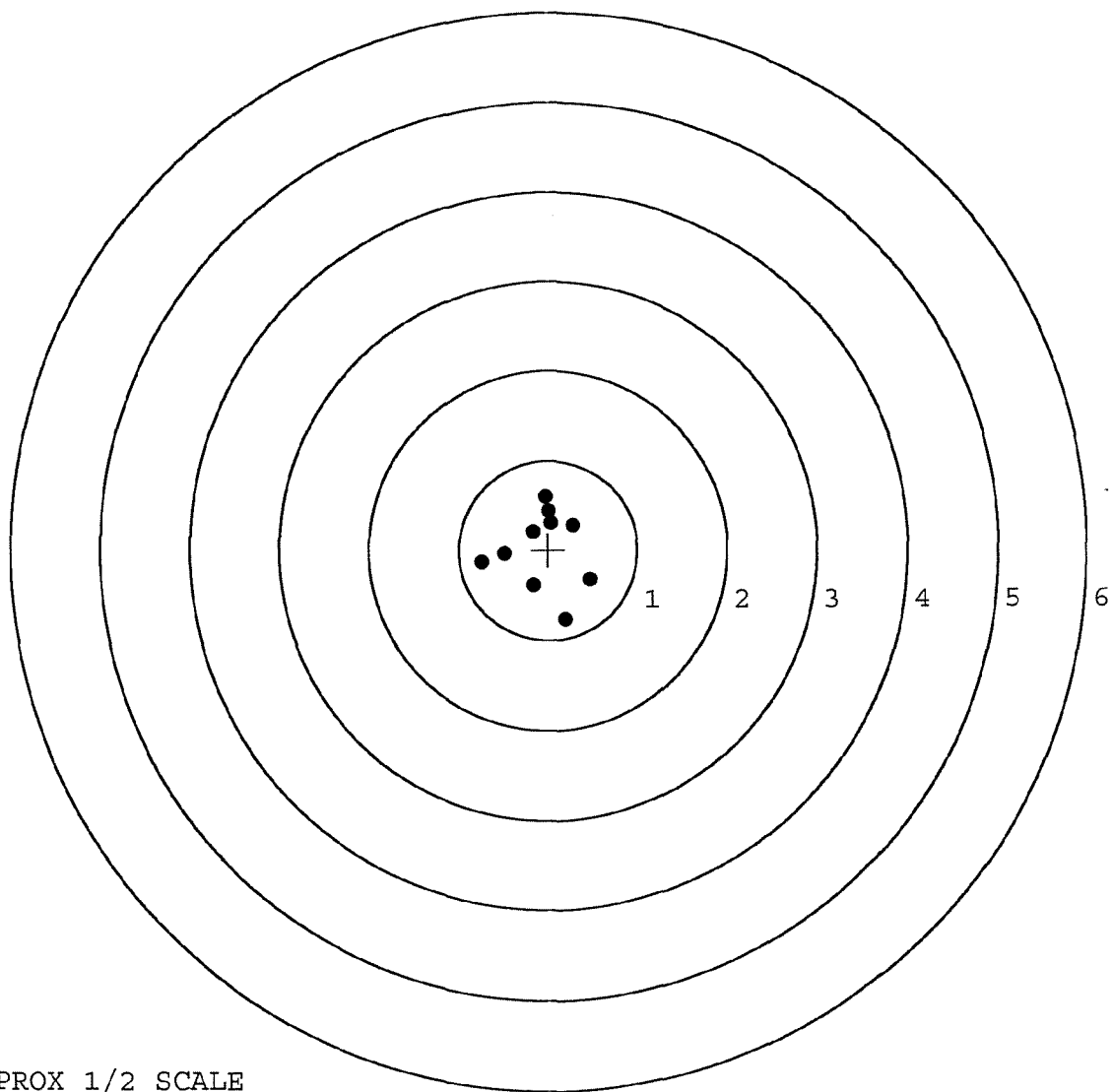
MEAN RADIUS: 0.498

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.467	-0.331
2:	0.193	-0.778
3:	-0.169	-0.395
4:	-0.746	-0.138
5:	-0.492	-0.041
6:	0.275	0.274
7:	-0.034	0.597
8:	-0.178	0.206
9:	0.028	0.303
10:	-0.003	0.438



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413487. 0

TARGET NUMBER: 3

FILE DATE: 02/15/2003

FILE TIME: 13:14

X CENTROID: 0.001

Y CENTROID: -0.079

POA TO CENTROID: 0.079

HORZ SPREAD: 1.399

VERT SPREAD: 1.641

GROUP SPREAD: 1.819

MIN RADIUS: 0.068

MAX RADIUS: 1.074

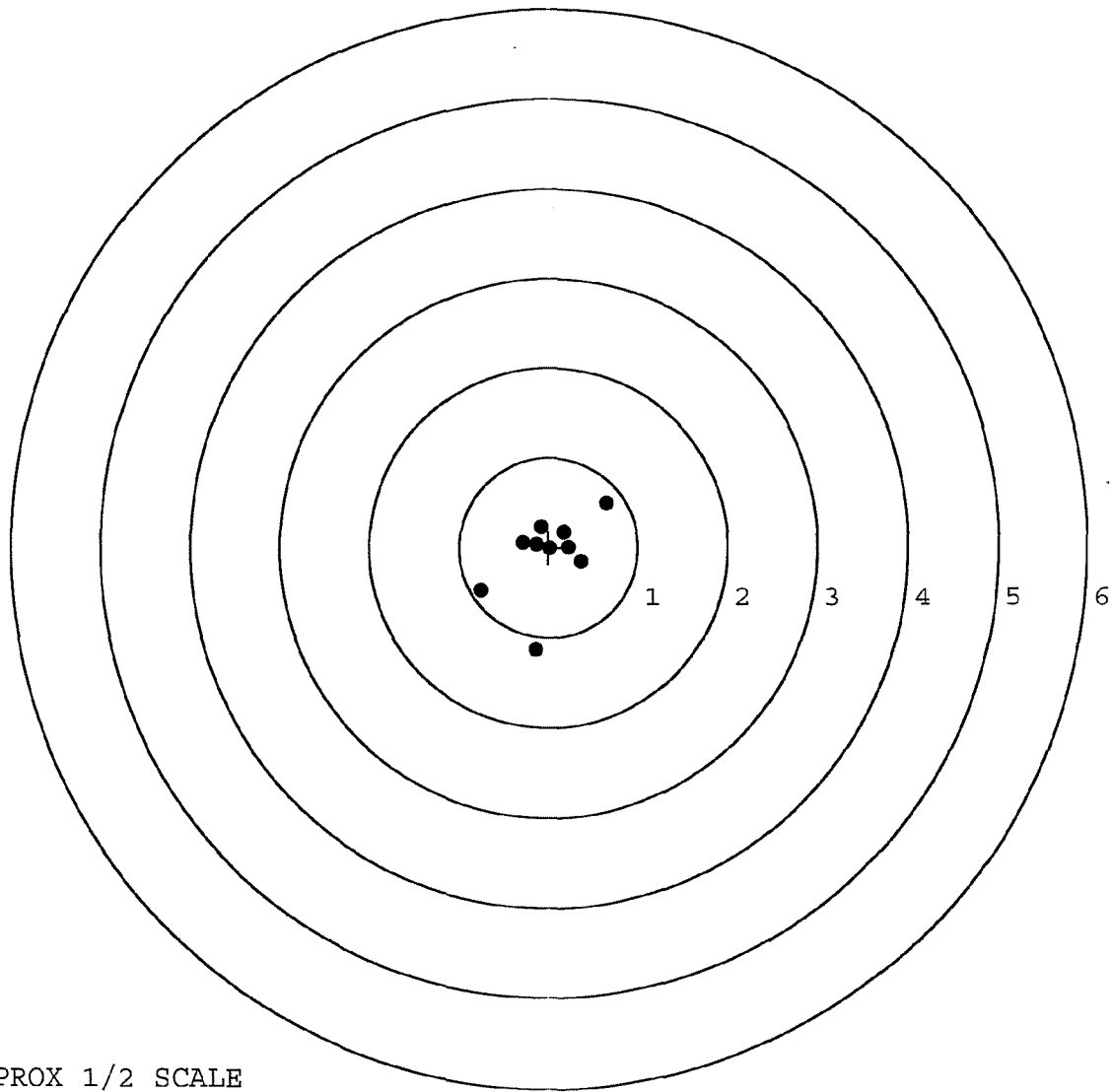
MEAN RADIUS: 0.460

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.143	-1.144
2:	-0.757	-0.479
3:	0.642	0.497
4:	0.366	-0.158
5:	0.178	0.178
6:	0.222	0.003
7:	0.014	-0.012
8:	-0.083	0.232
9:	-0.138	0.035
10:	-0.288	0.055



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413487. 0

TARGET NUMBER: 4

FILE DATE: 02/15/2003

FILE TIME: 13:14

X CENTROID: -0.045

Y CENTROID: -0.120

POA TO CENTROID: 0.128

HORZ SPREAD: 1.836

VERT SPREAD: 1.174

GROUP SPREAD: 1.854

MIN RADIUS: 0.152

MAX RADIUS: 1.089

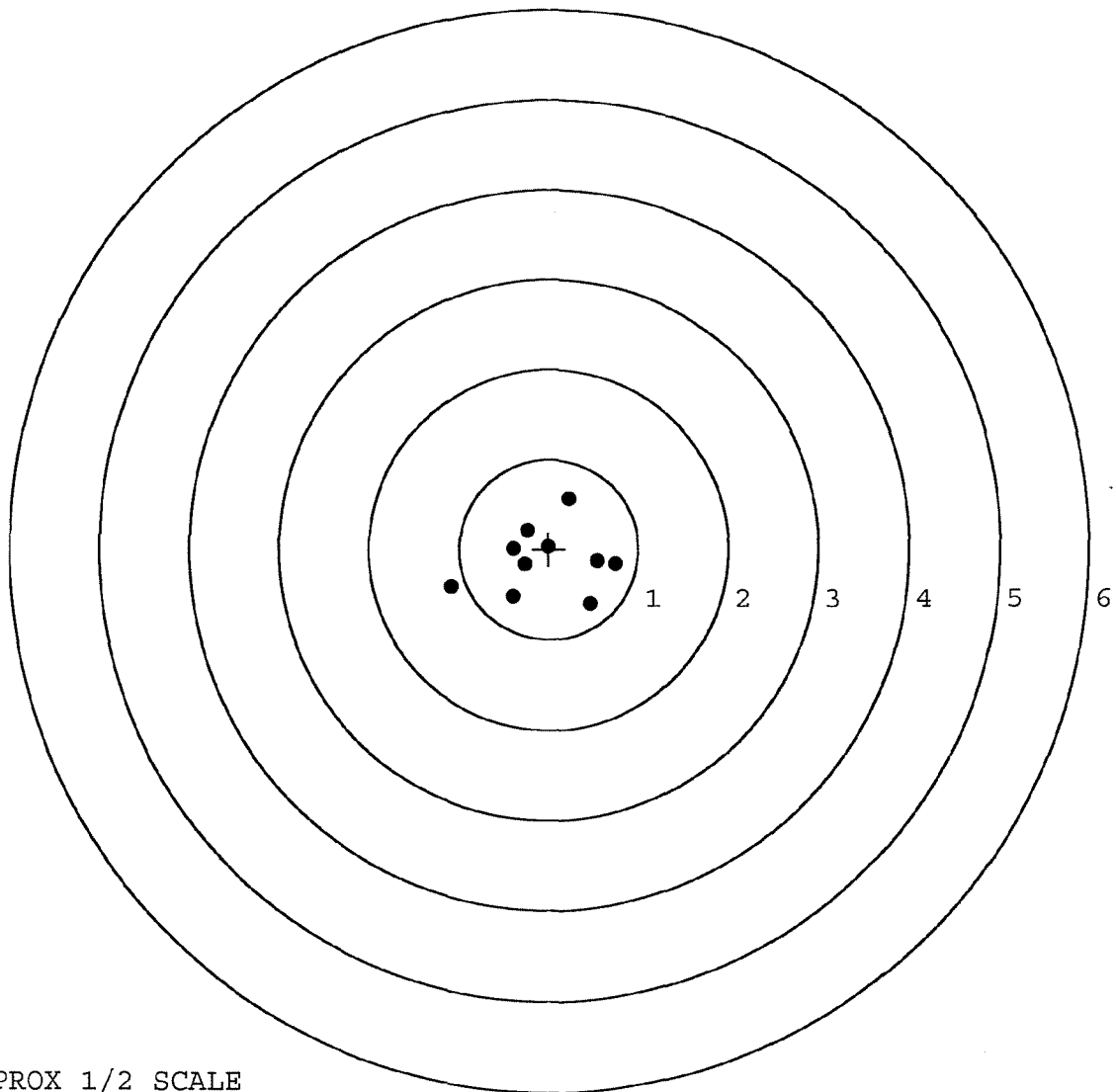
MEAN RADIUS: 0.560

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.743	-0.162
2:	0.542	-0.128
3:	0.466	-0.608
4:	-0.405	-0.530
5:	-1.093	-0.417
6:	0.220	0.566
7:	-0.244	0.210
8:	-0.009	0.028
9:	-0.399	0.013
10:	-0.270	-0.171



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413487. 0

TARGET NUMBER: 5

FILE DATE: 02/15/2003

FILE TIME: 13:14

X CENTROID: -0.023

Y CENTROID: -0.178

POA TO CENTROID: 0.179

HORZ SPREAD: 1.754

VERT SPREAD: 1.308

GROUP SPREAD: 2.188

MIN RADIUS: 0.118

MAX RADIUS: 1.212

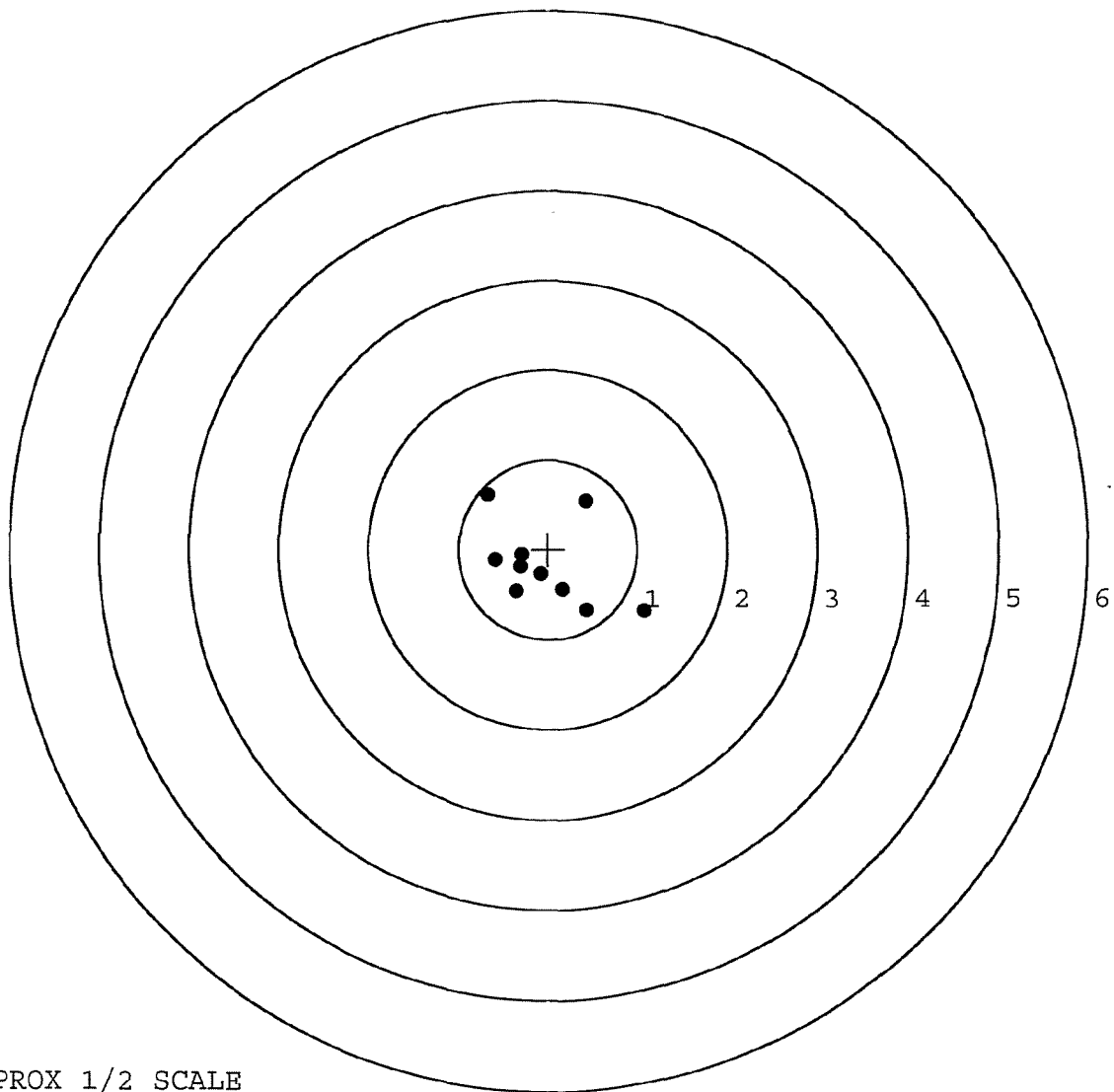
MEAN RADIUS: 0.581

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.076	-0.690
2:	0.429	-0.678
3:	0.166	-0.447
4:	0.421	0.542
5:	-0.678	0.618
6:	-0.593	-0.117
7:	-0.295	-0.061
8:	-0.358	-0.471
9:	-0.084	-0.279
10:	-0.311	-0.194



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	60364		
SERIAL NUMBER	622569 E6413487 (New)		
LOG-IN DATE	1-23-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-23-03	RTL
560 A	RE-BARREL	1-23-03	RA
B	DRILL AND TAP	1-27-03	TRW
575	ASSEMBLE	1-27-03	RW
600	PROOF	1-27-03	RW
605	CHECK HEADSPACE	1-27-03	RW
610	DIS-ASSEMBLE GUN	1-27-03	RW
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER		
618	ROTO-BLAST	1-31-03	JF
620	APPLY COATINGS	2-11	TA
625 A	FINAL ASSEMBLY	2-13-03	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	2-14-03	TRW
655	FINAL INSPECT	1-17-03	RW
660	PACK	2-18-03	RA
		SHIP DATE	
	QAR INSPECTION DATE		

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

SERIAL #

E6413487

INSPECTED BY:

AW

DATE REC'D:

1-23-03

DATE RET'D:

2-18-03

ITEM

BARREL ASSEMBLY

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

SCOPE ASSEMBLY

☒ SCOPE
☒ SCOPE RINGS
☒ MOUNTING SCREWS
☒ MOUNTING BASE
☒ SCREWS
☒ FINISH
☒ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☐ SCOPE CASE
☐ IRON SIGHTS
☐ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

Remington®

MODEL 700™ M24

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

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

DUPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6225169

ORDER NO.
5716

Ø1



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225169

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		7/5/89	GS
617	Drill and Tap Sight Holes	4 14	89	LB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4-20-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/89	RW
	C) Inspect Ejector Hole for Chamfer		5/1/89	RW
	D) Oil Firing Pin Ass'y		5/1/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/3/89	WB

BARBER - M24 0166261								
op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/3/89	JK
	G) Safety Off Force	3	3	3			5/3/89	JK
	H) Trigger Pull Test & Retainability						5/3/89	WB
	I) Firing Pin Indent	20.5	.020	.020			5/3/89	JK
	J) Assemble Stock						5/4/89	RW
	K) Assemble Swivel Studs						15 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/4/89	RW
	M) Iron Sight Alignment						5/4/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/4/89	RW
	O) Attach Scope to Rifle						5/4/89	JK
	P) Detach & Attach Scope 20 Times						5/4/89	JK
640	Gallery Target & Test	48 R	104 L				5/4/89	DH
	A) Time						5/4/89	DH
	B) Malfunctions						5/4/89	DH
	C) Pierced Primers						5/4/89	DH
	D) Optical Clarity of Scope						5/4/89	DH
645	Inspect for Live Ammo						5/4/89	DH
655	Final Inspection							
	A) Headspace						15 May 89	JS
	B) Trigger Pull	2.61	2.46	2.56	2.33	2.53	15 May 89	JS
	C) Function						15 May 89	JS
660	Pack						21 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 5169
C-6225580DATE 5/2/89TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	^{3.2} 2.64	^{2.2} 2.49	^{2.2} 2.55	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.60	2.40	2.61	2.42	
PULL #3	2.66	2.45	2.63	2.53	
PULL #4	2.69	2.62	2.69	2.59	
PULL #5	2.54	2.59	2.48	2.56	
TOTAL	13.13	12.55	12.96	12.62	
AVG.	2.62	2.51	2.60	2.524	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	^{3.2} 3.28	3.20		
PULL #2	3.29	3.10		
PULL #3	3.24	3.19		
PULL #4	3.43	3.20		
PULL #5	3.40	3.20		
TOTAL	16.64	15.89		
AVG.	3.33	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	^{4.2} 4.16	^{4.2} 4.03		^{4.2} 4.23
PULL #2	4.18	4.06		4.34
PULL #3	4.15	4.14		4.21
PULL #4	4.16	4.16		4.16
PULL #5	4.20	4.15		4.19
TOTAL	20.85	20.54		21.13
AVG.	4.17	4.11		4.22

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225169
4 May 1989

CENTROIDAL DISTANCES

0 TO	1	.716048
1 TO	2	.509664
1 TO	3	.423293
1 TO	4	.330203
1 TO	5	.8237

$\pm \frac{1}{5}$ <----POA

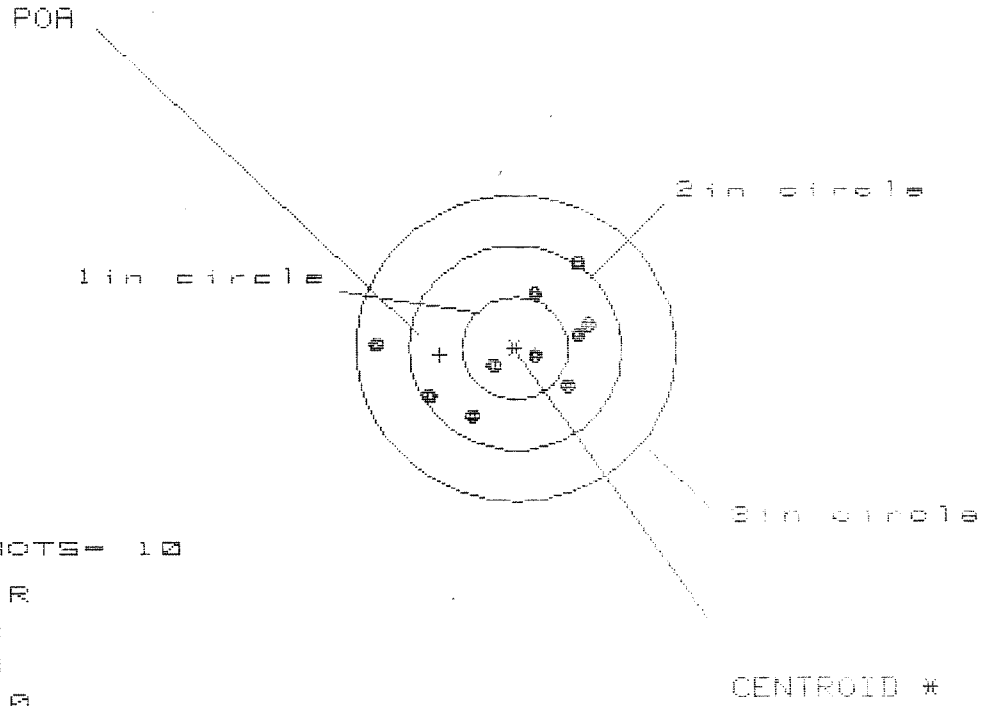
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5048
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.144
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .524937
THE AMR FOR THIS RIFLE IS: .8582

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225189

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 1.980

VS= 1.486

GS= 2.039

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.681	.536	.591
MINIMUM X	-1.299	-.945	-.889
MAXIMUM Y	.850	.858	.609
MINIMUM Y	-.636	-.628	-.520
CENTROID X	.713	.858	.802
CENTROID Y	.066	.058	-.050
POA TO CENTROID in.	.716	.859	.804
MIN RADIUS	.249	.123	.141
MEAN RADIUS	.699	.601	.555
MAX RADIUS	1.301	1.061	.966
HORIZONTAL SPREAD	1.980	1.481	1.481
VERTICAL SPREAD	1.486	1.486	1.129
EXTREME SPREAD	2.039	1.929	1.646
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225169

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.976

VS= 2.693

GS= 2.705

PATTERN #	2	1	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.062	1.002	.959
MINIMUM X	-.914	-.974	-1.017
MAXIMUM Y	1.244	1.083	.636
MINIMUM Y	-1.449	-1.291	-1.155
CENTROID X	.652	.712	.755
CENTROID Y	-.440	-.279	-.415
POA TO CENTROID in.	.787	.765	.861
MIN RADIUS	.347	.339	.451
MEAN RADIUS	.961	.871	.845
MAX RADIUS	1.546	1.339	1.210
HORIZONTAL SPREAD	1.976	1.976	1.976
VERTICAL SPREAD	2.693	2.374	1.791
EXTREME SPREAD	2.705	2.475	2.356
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225189

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.072

VS= 2.726

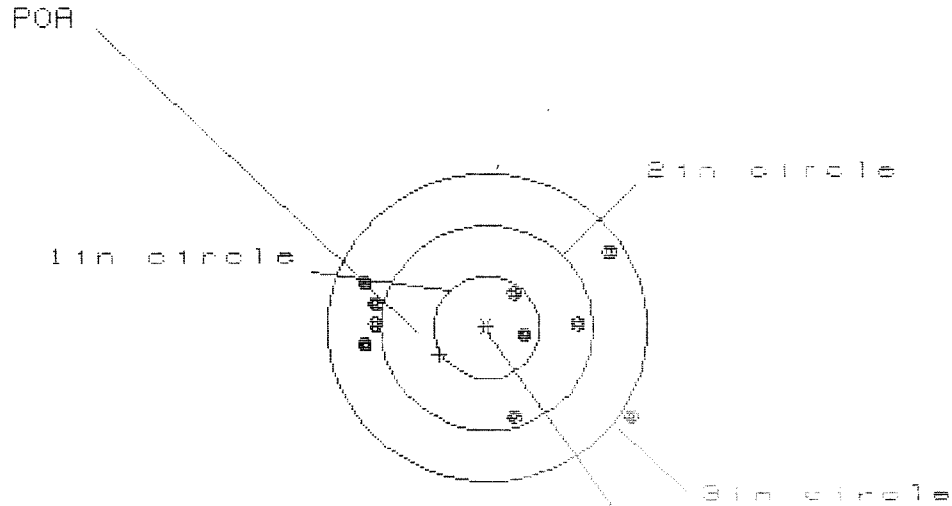
GS= 2.787

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.106	1.065	.541
MINIMUM X	:	-.966	-1.007	-.874
MAXIMUM Y	:	1.604	1.034	.608
MINIMUM Y	:	-1.122	-.944	-.815
CENTROID X	:	.757	.798	.665
CENTROID Y	:	-.355	-.533	-.662
POA TO CENTROID in.	:	.836	.960	.939
MIN RADIUS	:	.069	.114	.240
MEAN RADIUS	:	.794	.670	.561
MAX RADIUS	:	1.647	1.484	1.023
HORIZONTAL SPREAD	:	2.072	2.072	1.415
VERTICAL SPREAD	:	2.726	1.978	1.423
EXTREME SPREAD	:	2.787	2.173	1.785
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225169

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 9

HS = 2.513

VS = 1.577

GS = 2.842

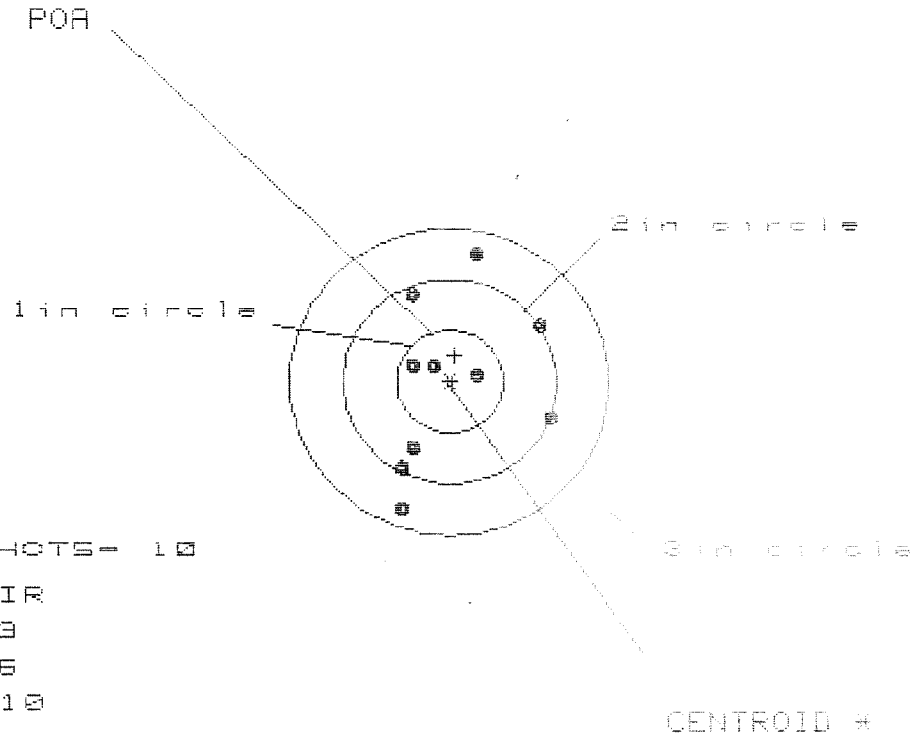
CENTROID *

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.352	1.324	1.205
MINIMUM X	-1.161	-1.011	-0.845
MAXIMUM Y	.729	.635	.465
MINIMUM Y	-.848	-.942	-.853
CENTROID X	.448	.298	.132
CENTROID Y	.263	.357	.278
POA TO CENTROID in.	.520	.465	.308
MIN RADIUS	.398	.510	.693
MEAN RADIUS	1.007	.939	.861
MAX RADIUS	1.595	1.468	1.205
HORIZONTAL SPREAD	2.513	2.335	2.050
VERTICAL SPREAD	1.577	1.577	1.328
EXTREME SPREAD	2.842	2.453	2.097
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

4 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225189

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 6

3 in - 10

HS- 1.395

VS- 2.544

GS- 2.645

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.928	.876	.902
MINIMUM X	-.467	-.519	-.493
MAXIMUM Y	1.292	1.153	.859
MINIMUM Y	-1.252	-1.032	-.888
CENTROID X	-.046	.006	-.020
CENTROID Y	-.254	-.115	-.259
POA TO CENTROID in.	.258	.115	.260
MIN RADIUS	.241	.211	.217
MEAN RADIUS	.830	.764	.707
MAX RADIUS	1.336	1.171	1.016
HORIZONTAL SPREAD	1.395	1.395	1.395
VERTICAL SPREAD	2.544	2.185	1.747
EXTREME SPREAD	2.645	2.302	1.973
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

Add Repair Estimate Repair Expense Repair Inquiry Repair Tools CSR Tool Reports Table Maintenance System Maintenance Help

Repair Number: **RE00018846** Serial: C6225169 Model 700 Center Fire Caliber 7.62 NATO M24 SWS Repairman: Status: New 12/11/00 11:18:48 AM

Verify Repair

Address Information

Customer: ☒ Received From: ☐ Return To: ☐ Received From: ☐

Name: DEPT OF THE ARMY DEPT OF THE ARMY
 Address 1: SUPPLY AND SERVICES DIV SUPPLY AND SERVICES DIV
 Address 2: WHSE 224 PO Box: WHSE 224 PO Box
 City: FT BENNING FT BENNING
 State: GA Zip Code: 31905 Country: US State: GA Zip Code: 31905 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	2
A010	Hard Case w/C63487	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

nagleft 12/12/00 7:01 AM NUM

Start Se Na Mic Exp SA ISA My Ar

Number: **C6225169**

Model: **700**



RE00018846

BBL-96003

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

R & E NUMBER		18846	
SERIAL NUMBER		C6225169	
LOG-IN DATE		12-12-00	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-16-00	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	12-20-00	CK
605	CHECK HEADSPACE	12-20-00	CK
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	1-24-01	RW
655	FINAL INSPECT	1-30-01	CK
660	PACK		
		SHIP DATE	
OAR INSPECTION DATE			

Final Inspection

Sn: C6225/69

DATE REC'D: 12-12-00

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:

BARBER - M24 0166272

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225169
30 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1564
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2042
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .257213

THE AMR FOR THIS RIFLE IS: 1.149

CENTROIDAL DISTANCES

0 TO 1	.530241
1 TO 2	.61356
1 TO 3	.380159
1 TO 4	.637628
1 TO 5	.487945

42
5 <----POA
3 1

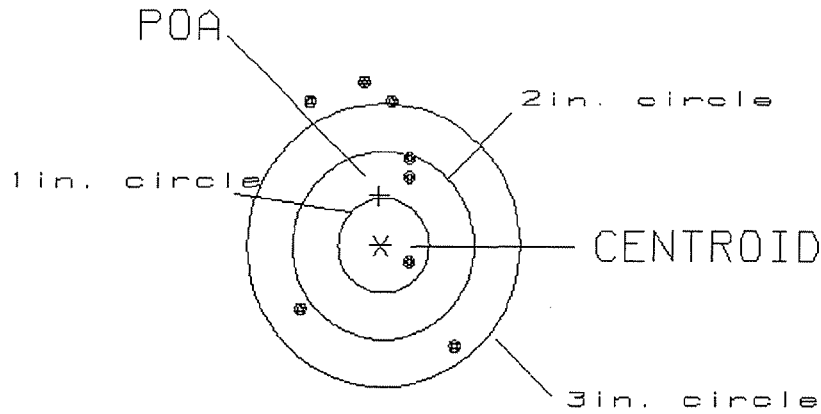
PATTERN #: 1

POA TO CENTROID: .530
 MIN RADIUS : .306
 MEAN RADIUS : 1.406
 MAX RADIUS : 2.395
 CENTROID X : .016
 CENTROID Y : -.530

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.75
 VS= 4.07
 GS= 4.12

1
 3
 5

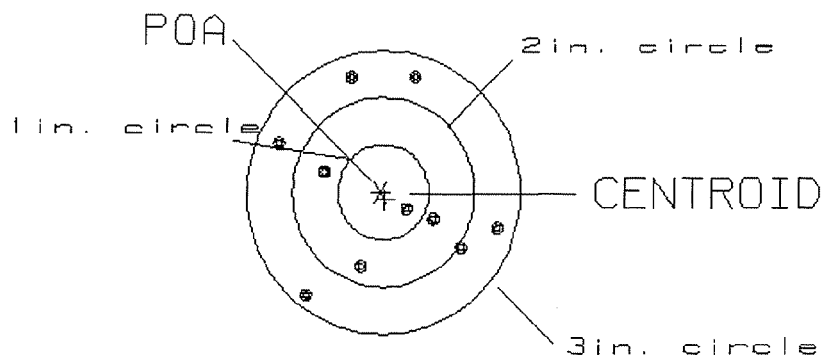
PATTERN #: 2

POA TO CENTROID: .094
 MIN RADIUS : .299
 MEAN RADIUS : .986
 MAX RADIUS : 1.346
 CENTROID X : -.050
 CENTROID Y : .080

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.35

1

VS= 2.30

4

GS= 2.58

10

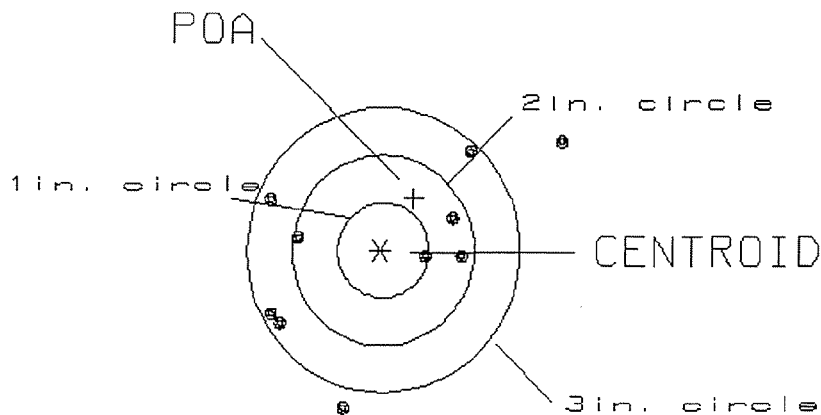
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .652
 MIN RADIUS : .490
 MEAN RADIUS : 1.275
 MAX RADIUS : 2.309
 CENTROID X : -.364
 CENTROID Y : -.541

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.29
 VS= 2.63
 GS= 3.75

1
 4
 5

BARBER - M24 0166276

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

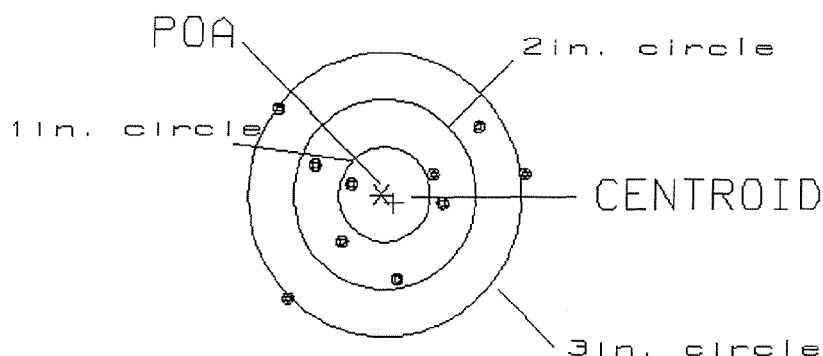
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .164
 MIN RADIUS : .356
 MEAN RADIUS : .981
 MAX RADIUS : 1.513
 CENTROID X : -.137
 CENTROID Y : .089

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.67

1

VS= 1.97

6

GS= 2.84

9

BARBER - M24 0166277

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 0 5 0

POA TO CENTROID: .274

MIN RADIUS : .209

MEAN RADIUS : 1.099

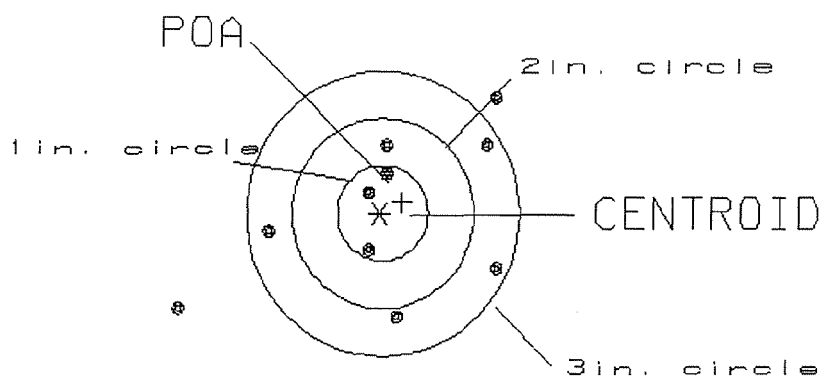
MAX RADIUS : 2.435

CENTROID X : -.247

CENTROID Y : -.119

29 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169.1

CENTERFIRE PATTERN # 5

OF SHOTS= 10

IN CIRCLE

HS= 3.49

3

VS= 2.23

4

GS= 4.10

8

BARBER - M24 0166278

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225169
25 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2638
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0048
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .263844

THE AMR FOR THIS RIFLE IS: 1.394

CENTROIDAL DISTANCES

0 TO	1	.253032
1 TO	2	.547165
1 TO	3	.0705195
1 TO	4	.0904434
1 TO	5	.217807

2

4₅ + <----POA
5

BARBER - M24 0166279

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

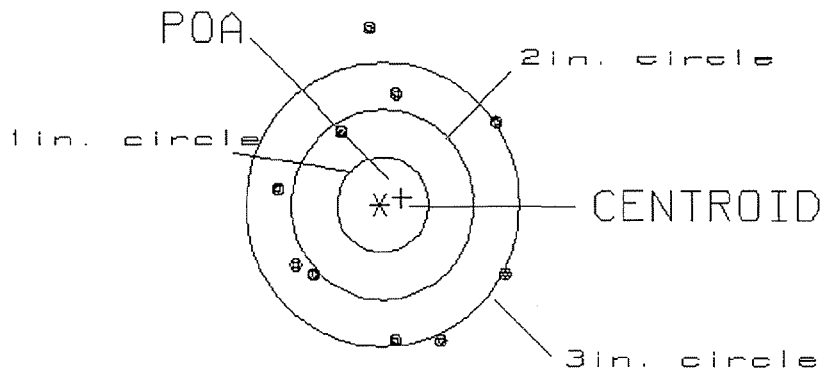
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .253
 MIN RADIUS : .892
 MEAN RADIUS : 1.340
 MAX RADIUS : 1.867
 CENTROID X : -.244
 CENTROID Y : -.067

25 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.50

0

VS= 3.33

1

GS= 3.41

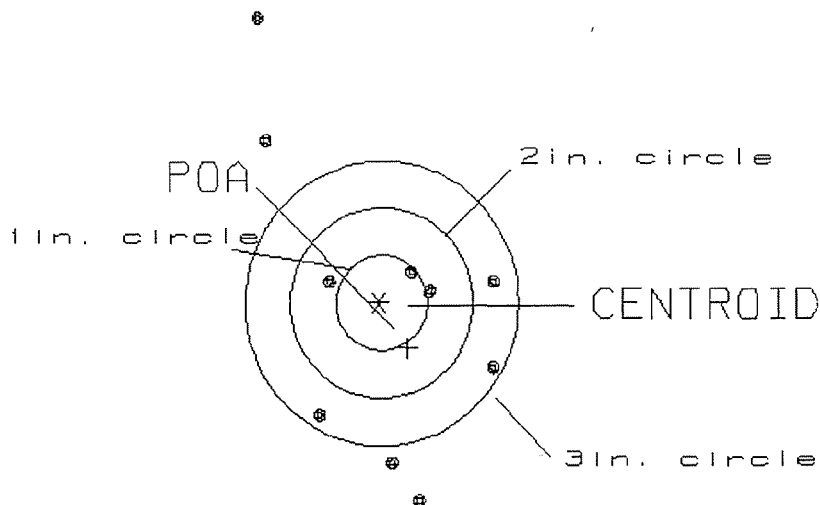
7

PATTERN #: 2
 POA TO CENTROID: .572
 MIN RADIUS : .402
 MEAN RADIUS : 1.494
 MAX RADIUS : 3.329
 CENTROID X : -.319
 CENTROID Y : .475

25 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

H3= 2.68

1

VS= 5.12

3

GS= 5.45

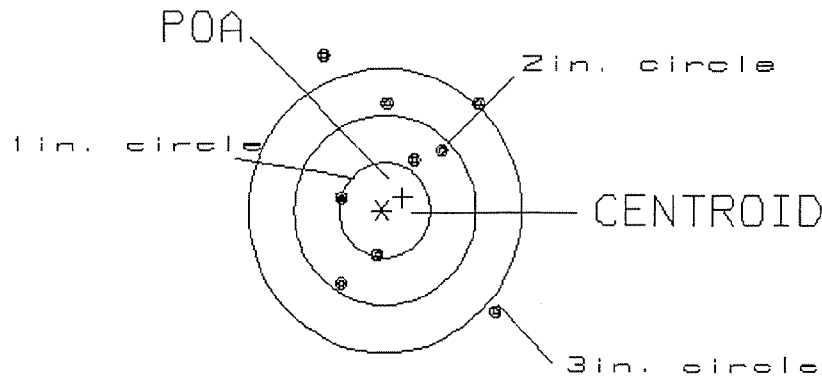
6

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .259
 MIN RADIUS : .458
 MEAN RADIUS : 1.268
 MAX RADIUS : 3.251
 CENTROID X : -.222
 CENTROID Y : -.134

25 Jan 2001

FILE://Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.72

1

VS= 4.55

5

GS= 4.73

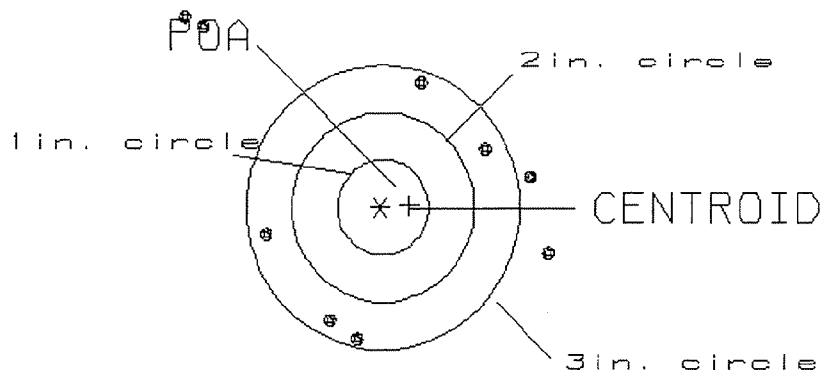
6

PATTERN #: 4
 POA TO CENTROID: .318
 MIN RADIUS : 1.256
 MEAN RADIUS : 1.924
 MAX RADIUS : 3.192
 CENTROID X : -.318
 CENTROID Y : -.015

25 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.99

0

VS= 4.92

0

GS= 6.09

5

REMINGTON CENTERFIRE ACCURACY TEST

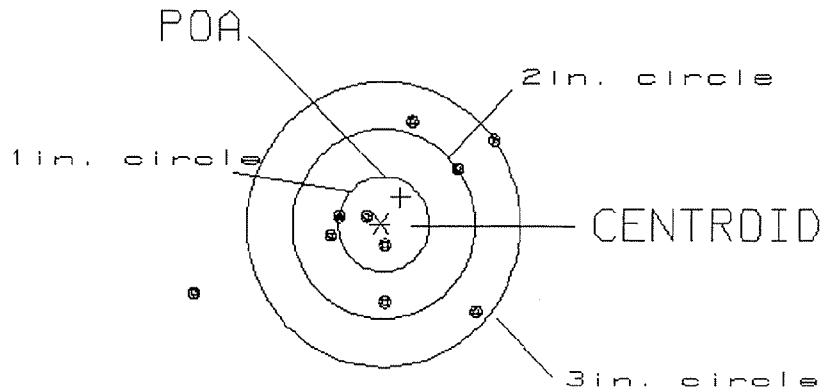
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5
 POA TO CENTROID: .356
 MIN RADIUS : .192
 MEAN RADIUS : .945
 MAX RADIUS : 2.206
 CENTROID X : -.216
 CENTROID Y : -.283

25 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225169

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.32

3

VS= 1.99

5

GS= 3.68

8

Arms Service 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: **RE00104586** Serial: G6291089 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 12/5/2005 10:56:21 AM

Verify Repair

Address Information

Customer: ☐ Received From: ☒ Return To: ☐ Received From: ☐

Name: **TRANSPORTATION DIV DFEL** **TRANSPORTATION DIV DFEL**

Address 1: **5759 MITCHELL AVENUE** **5759 MITCHELL AVENUE**

Address 2: **BLDG 1836** **BLDG 1836** PO Box:

City: **FORT BENNING** **FORT BENNING**

State: **GA** Zip Code: **31905** Country: **US** State: **GA** Zip Code: **31905** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: **NA** Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

neglet 12/5/2005 12:47 PM CAPS NUM INS SCL

start 2 3 2

G6391089

Serial Number: ~~G6291089~~

Model: M24 SWS



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6391089.__1
FILE DATE AND TIME: 12/14/2005 13:06

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.026
The Average Y Centroid of the Five Target Set:	0.043
The Average Point of Impact of the Five Target Set:	0.050
The Average Mean Radius of the Five Target Set:	0.823
The Distance from POA to Centroid Target #1:	0.157
The Distance from Centroid Target #2 to Centroid Target #1:	0.340
The Distance from Centroid Target #3 to Centroid Target #1:	0.228
The Distance from Centroid Target #4 to Centroid Target #1:	0.542
The Distance from Centroid Target #5 to Centroid Target #1:	0.271

SERIAL NUMBER: G6391089. __1

TARGET NUMBER: 1

FILE DATE: 12/14/2005

FILE TIME: 13:06

X CENTROID: -0.107

Y CENTROID: -0.114

POA TO CENTROID: 0.157

HORZ SPREAD: 1.742

VERT SPREAD: 2.129

GROUP SPREAD: 2.166

MIN RADIUS: 0.238

MAX RADIUS: 1.333

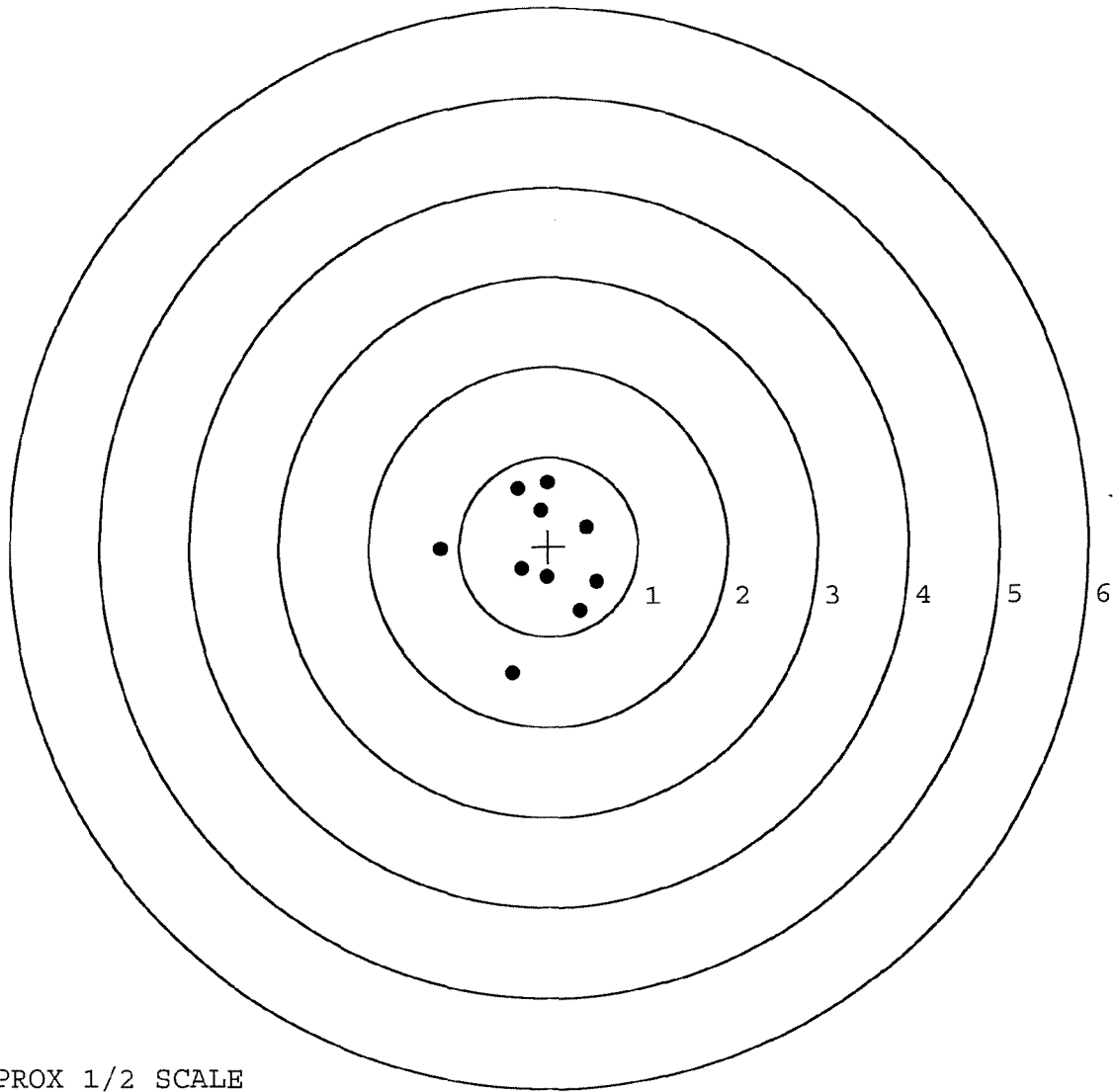
MEAN RADIUS: 0.715

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.539	-0.388
2:	0.422	0.220
3:	0.351	-0.717
4:	-0.411	-1.412
5:	-0.020	-0.343
6:	-0.305	-0.247
7:	-0.014	0.717
8:	-0.340	0.651
9:	-0.090	0.404
10:	-1.203	-0.029

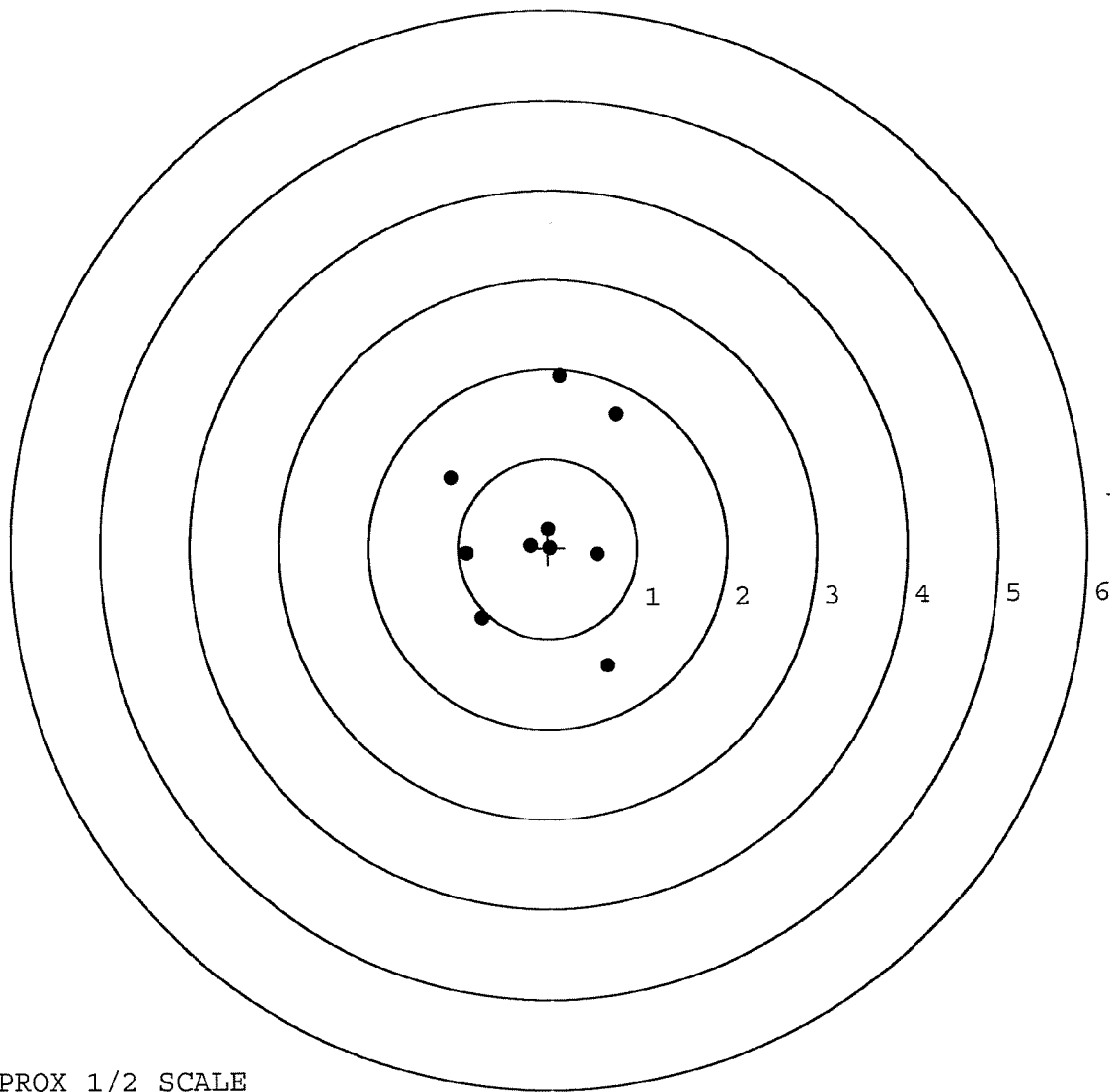


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. __1
 TARGET NUMBER: 2
 FILE DATE: 12/14/2005
 FILE TIME: 13:06

X CENTROID: -0.079
 Y CENTROID: 0.225
 POA TO CENTROID: 0.238
 HORZ SPREAD: 1.852
 VERT SPREAD: 3.231
 GROUP SPREAD: 3.272
 MIN RADIUS: 0.079
 MAX RADIUS: 1.715
 MEAN RADIUS: 0.943
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.659	-1.306
2:	0.551	-0.080
3:	-0.002	0.210
4:	0.023	0.005
5:	-0.194	0.030
6:	-0.747	-0.771
7:	-0.919	-0.054
8:	-1.080	0.794
9:	0.772	1.496
10:	0.144	1.925

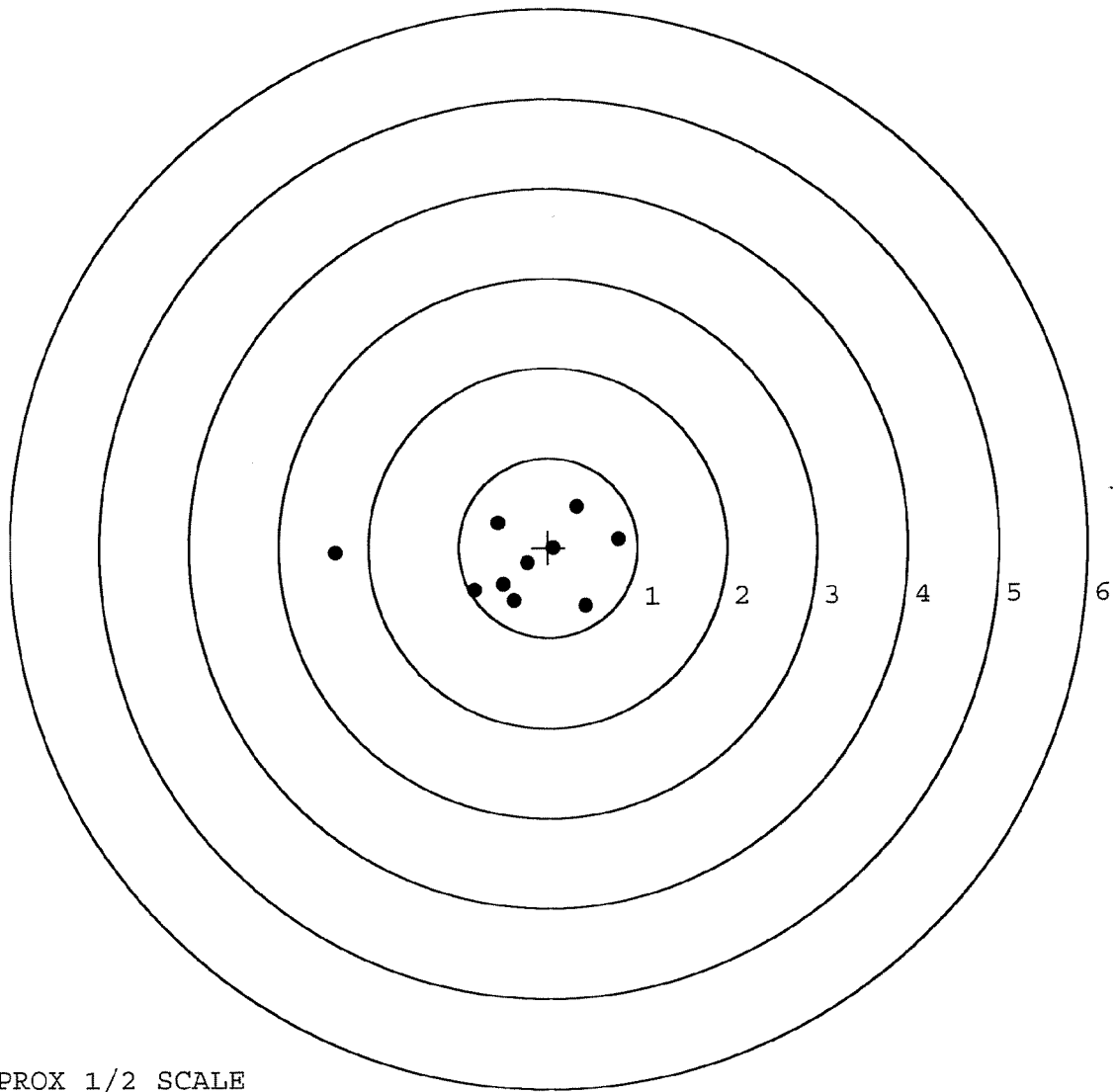


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. 1
 TARGET NUMBER: 3
 FILE DATE: 12/14/2005
 FILE TIME: 13:06

X CENTROID: -0.331
 Y CENTROID: -0.156
 POA TO CENTROID: 0.366
 HORZ SPREAD: 3.150
 VERT SPREAD: 1.115
 GROUP SPREAD: 3.153
 MIN RADIUS: 0.096
 MAX RADIUS: 2.040
 MEAN RADIUS: 0.733
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.781	0.092
2:	0.326	0.458
3:	0.415	-0.657
4:	0.057	-0.010
5:	-0.238	-0.179
6:	-0.388	-0.599
7:	-0.513	-0.419
8:	-0.825	-0.475
9:	-0.560	0.277
10:	-2.369	-0.050

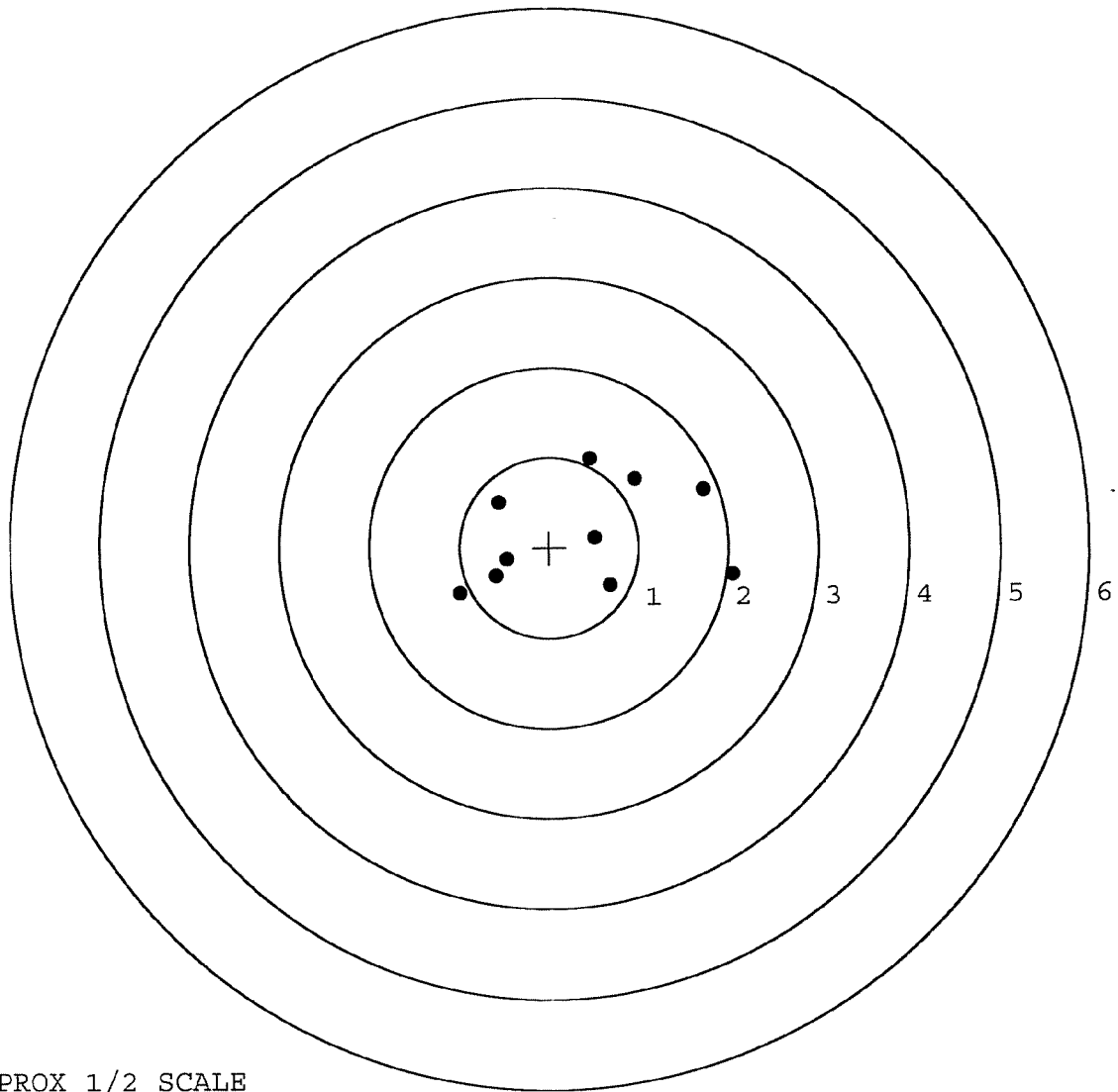


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. 1
 TARGET NUMBER: 4
 FILE DATE: 12/14/2005
 FILE TIME: 13:06

X CENTROID: 0.376
 Y CENTROID: 0.131
 POA TO CENTROID: 0.398
 HORZ SPREAD: 3.039
 VERT SPREAD: 1.490
 GROUP SPREAD: 3.045
 MIN RADIUS: 0.136
 MAX RADIUS: 1.723
 MEAN RADIUS: 1.013
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.966	0.758
2:	0.464	0.985
3:	0.511	0.111
4:	0.678	-0.421
5:	-0.474	-0.133
6:	-0.998	-0.505
7:	-0.560	0.505
8:	-0.595	-0.317
9:	1.728	0.640
10:	2.041	-0.313

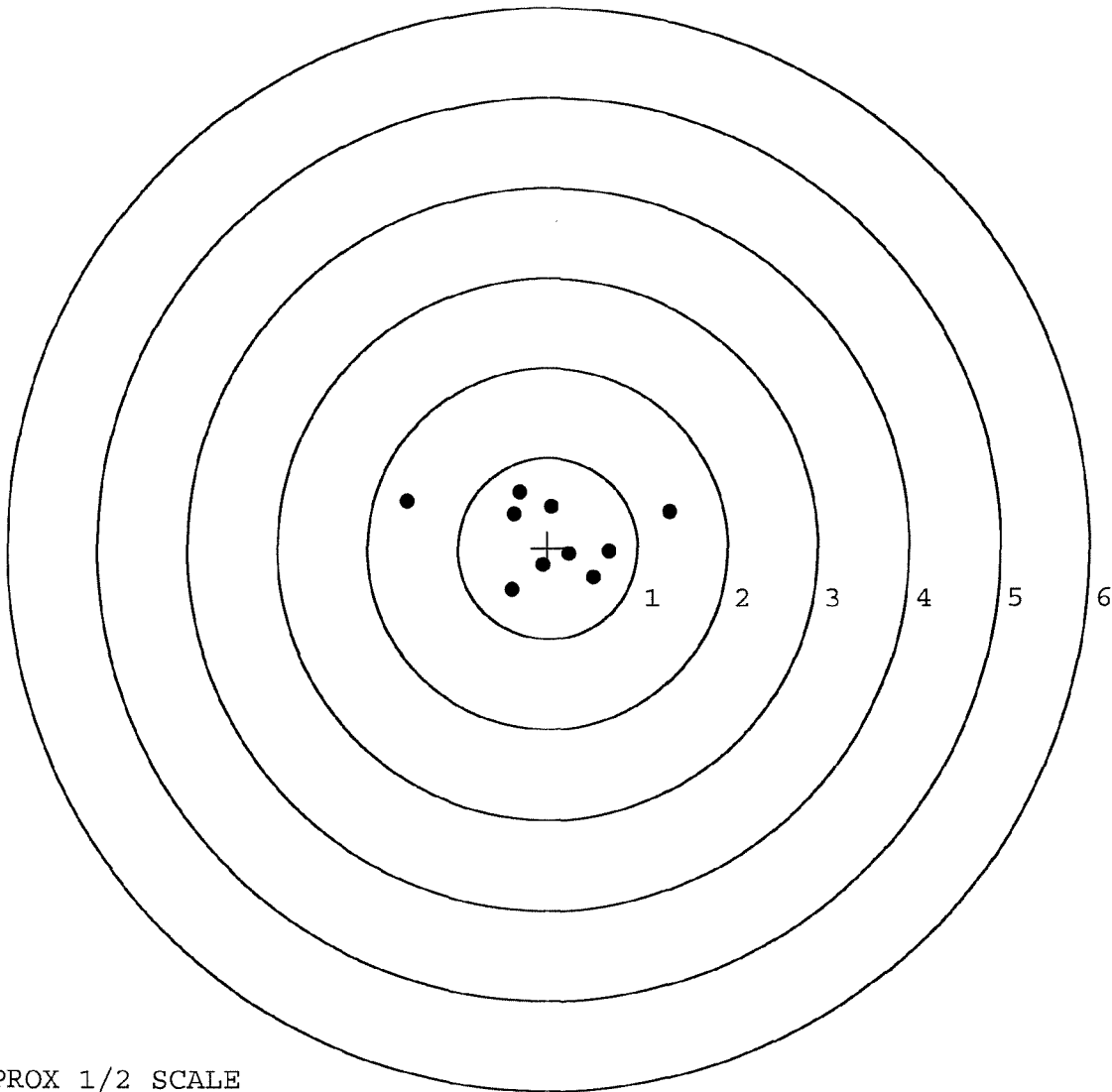


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6391089. __1
 TARGET NUMBER: 5
 FILE DATE: 12/14/2005
 FILE TIME: 13:06

X CENTROID: 0.011
 Y CENTROID: 0.129
 POA TO CENTROID: 0.130
 HORZ SPREAD: 2.925
 VERT SPREAD: 1.082
 GROUP SPREAD: 2.927
 MIN RADIUS: 0.304
 MAX RADIUS: 1.625
 MEAN RADIUS: 0.710
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.359	0.406
2:	0.039	0.459
3:	-0.315	0.619
4:	-0.382	0.374
5:	-1.566	0.519
6:	-0.055	-0.190
7:	-0.405	-0.463
8:	0.239	-0.072
9:	0.684	-0.037
10:	0.513	-0.321



TARGET APPROX 1/2 SCALE

DA FORM 2407, JUL 94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)
 3.00 LBS (plus or minus 0.75 LBS)
 4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 11-15-05TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.52	2.58		2.49	
PULL #2	2.55	2.62		2.44	
PULL #3	2.46	2.60		2.55	
PULL #4	2.56	2.58		2.51	
PULL #5	2.45	2.59		2.49	
TOTAL	12.54	12.97		12.48	
AVERAGE	2.50	2.59		2.49	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.12		
PULL #2	3.10	3.13		
PULL #3	3.16	3.06		
PULL #4	3.13	3.13		
PULL #5	3.15	3.18		
TOTAL	15.66	15.62		
AVERAGE	3.13	3.12		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.06	4.03		3.97
PULL #2	3.98	4.05		4.07
PULL #3	4.11	4.07		4.14
PULL #4	4.15	4.02		3.84
PULL #5	4.16	4.12		4.19
TOTAL	20.46	20.29		20.21
AVERAGE	4.09	4.05		4.04

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

FORT BENNING

R & E NUMBER	104586			
SERIAL NUMBER	G6391089			
LOG-IN DATE	12-5-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		12-6-05	BO
505	RE-BARREL		12-6-05	BO
560	ASSEMBLE		12-7-05	CD
600	PROOF	MAGNA-FLUX	12-7-05	CD
605	CHECK HEADSPACE		12-7-05	CD
610	DIS-ASSEMBLE GUN		12-7-05	CD
612	MAGNAFLUX	REWORK	12/12/05	WMS
510	DRILL AND TAP		12-9-05	BR
615	ROLLMARK CALIBER		12-12-05	CW
618	ROTO-BLAST		12-12-05	LB
620	APPLY COATINGS		12/13/05	RB
625	FINAL ASSEMBLY		12-13-05	AC
640	FUNCTION TEST AND	PASS	12-14-05	AC
650	TARGET	PASS	12-14-05	AC
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		12-14-05	AC
	A) HEADSPACE	PASS	12-14-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.46 2.43 2.39 2.57 2.56	AC
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	6 lbs 6 lbs 6 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs	AC
	I) FIRING PIN INDENT	.020	.023 .023 .023	AC
690	PACK		12/16/05	RA