

C6225243

MODEL 700TM M24

Model 700 M24TM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

88299

5081

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225243

OPERATION		DATE	INT
#	NAME		
575- 580	ASSEMBLY	2/1	FB
600	PROOF	2/3/88	KW
615	MAGNAFLUX BARREL	2/18/88	P/C
	MAGNAFLUX BOLT	2/23/88	P/C
620	COATING	2/24/88	DA
625- 630	FINAL ASSEMBLY		
635	TEST		
640	TARGET		
	FIRING PIN INDENT		
660	PACK		

SCOPE # 1162

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225243

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill & Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coatings (Bolt)			
623	Final Assembly A) Clean inside of Bolt Assembly		9/9/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/9/88	RW
	C) Inspect Ejector Hole for Chamfer		9/9/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		9/9/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		9 Sept 88	JU
	F) Safety on Force	7 7 7	9-8-88	JU
	G) Safety off Force	4 4 4	9-Sept 88	JU
	H) Trigger Pull Test & Retainability		9 Sept 88	JU
	I) Firing Pin Indent	.022 .022 .0215	9-8-88	JU
	J) Assemble Stock		9/15/88	RW
	K) Assemble Swivel Studs		10-12-88	JS
	L) Attach Front & Rear Sight Assemblies		9/15/88	RW
	M) Iron Sight Alignment		9/15/88	RW
	N) Detach Front & Rear Sights & place in numbered container		9/15/88	RW
	O) Attach Scope to Rifle		10/15/88	RW
	P) Detach & Attach Scope 20 times		10-5-88	JS
640	Gallery Target & Test	54 R 101L	10/11/88	DT
	A) Optical Clarity of Scope		10/11/88	JU
645	Inspect for Live Ammo		10/11/88	JU
655	Final Inspection			
	A) Headspace		10-12-88	JS
	B) Trigger Pull		10-14-88	JS
	C) Function		10-12-88	JS
660	Pack		10-21-88	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 66225243

DATE 9-SEPT-88

TESTER JCL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.54	2.22	2.46 2.80	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.46	2.50 2.68	
PULL #3	2.43	2.44	2.51 2.65	
PULL #4	2.38	2.44	2.50 2.64	
PULL #5	2.45	2.41	2.49 2.59	
TOTAL	12.28	11.97	12.46 13.36	
AVG.	2.456	2.394	2.492 2.672	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.26		
PULL #2	3.24	3.25		
PULL #3	3.23	3.26		
PULL #4	3.25	3.25		
PULL #5	3.21	3.07		
TOTAL	16.20	16.09		
AVG.	3.24	3.218		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.08		4.11
PULL #2	4.17	4.11		4.05
PULL #3	4.16	4.05		3.84
PULL #4	4.06	4.11		4.05
PULL #5	4.16	4.06		4.04
TOTAL	20.75	20.41		20.09
AVG.	4.15	4.082		4.018

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 6225243

CENTROIDAL DISTANCES

0 TO	1	1.02389
1 TO	2	.352369
1 TO	3	.706125
1 TO	4	.712904
1 TO	5	.63112

+ 1² 5/4 ---- POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: 1.457
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1758
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.46757
THE AMR FOR THIS RIFLE IS: .965

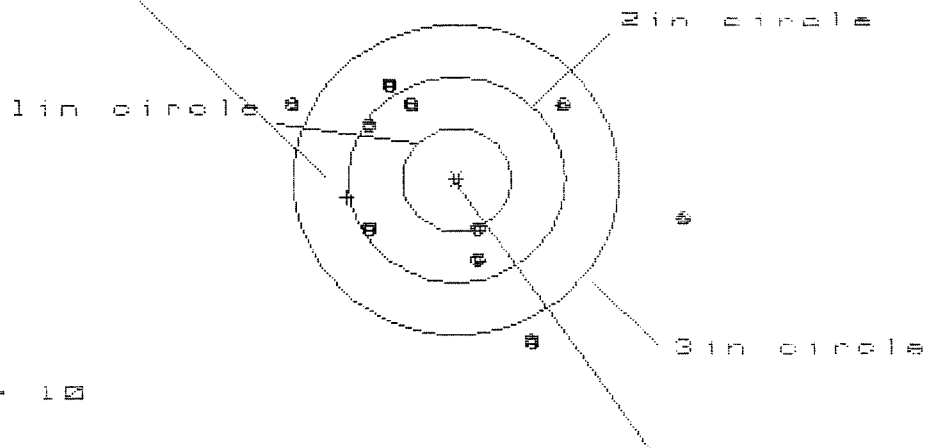
11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/6225243

CENTERFIRE PATTERNS

1

POA



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 7

HS= 3.589

VS= 2.421

GS= 3.774

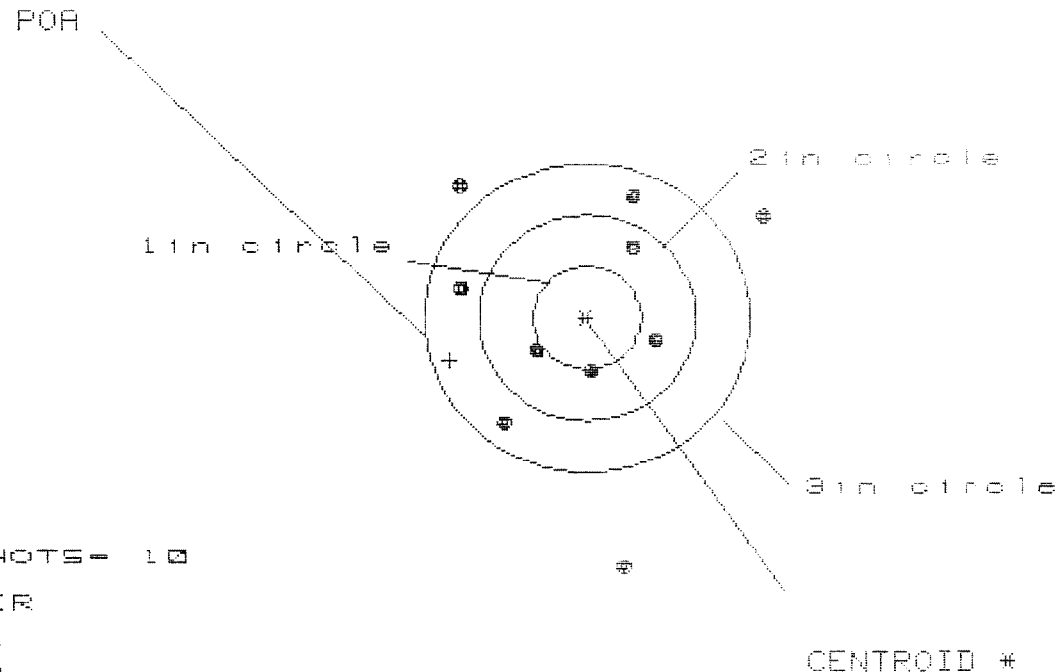
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.121	1.176	1.297
MINIMUM X	:	-1.468	-1.233	-1.112
MAXIMUM Y	:	.888	.842	.644
MINIMUM Y	:	-1.533	-1.579	-1.014
CENTROID X	:	1.009	.774	.653
CENTROID Y	:	.174	.220	.418
POA TO CENTROID in.	:	1.024	.805	.775
MIN RADIUS	:	.501	.651	.492
MEAN RADIUS	:	1.181	1.038	.899
MAX RADIUS	:	2.160	1.850	1.391
HORIZONTAL SPREAD	:	3.589	2.409	2.409
VERTICAL SPREAD	:	2.421	2.421	1.658
EXTREME SPREAD	:	3.774	3.171	2.409
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/6225243

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 7

HS = 2.773

VS = 3.688

GS = 4.000

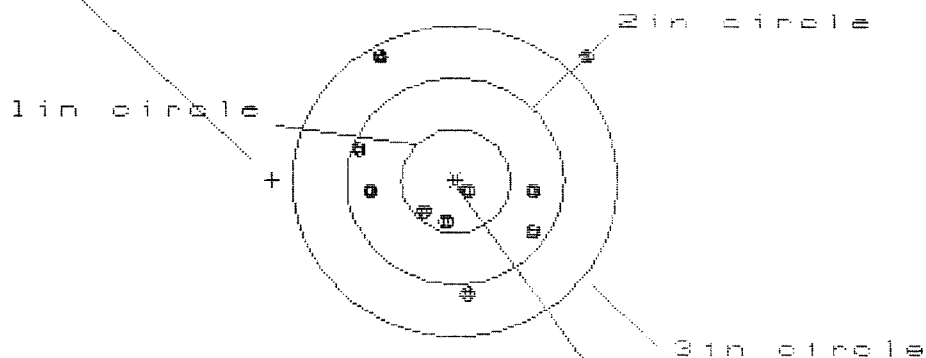
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.604	1.646	.917
MINIMUM X	:	-1.169	-1.127	-.921
MAXIMUM Y	:	1.264	.994	1.086
MINIMUM Y	:	-2.424	-1.269	-1.177
CENTROID X	:	1.267	1.225	1.019
CENTROID Y	:	.414	.684	.592
POA TO CENTROID in.	:	1.333	1.403	1.178
MIN RADIUS	:	.474	.675	.536
MEAN RADIUS	:	1.241	1.106	1.001
MAX RADIUS	:	2.454	1.804	1.424
HORIZONTAL SPREAD	:	2.773	2.773	1.838
VERTICAL SPREAD	:	3.688	2.263	2.263
EXTREME SPREAD	:	4.000	3.117	2.485
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			7	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/8225243

CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.142

VS= 2.352

GS= 2.564

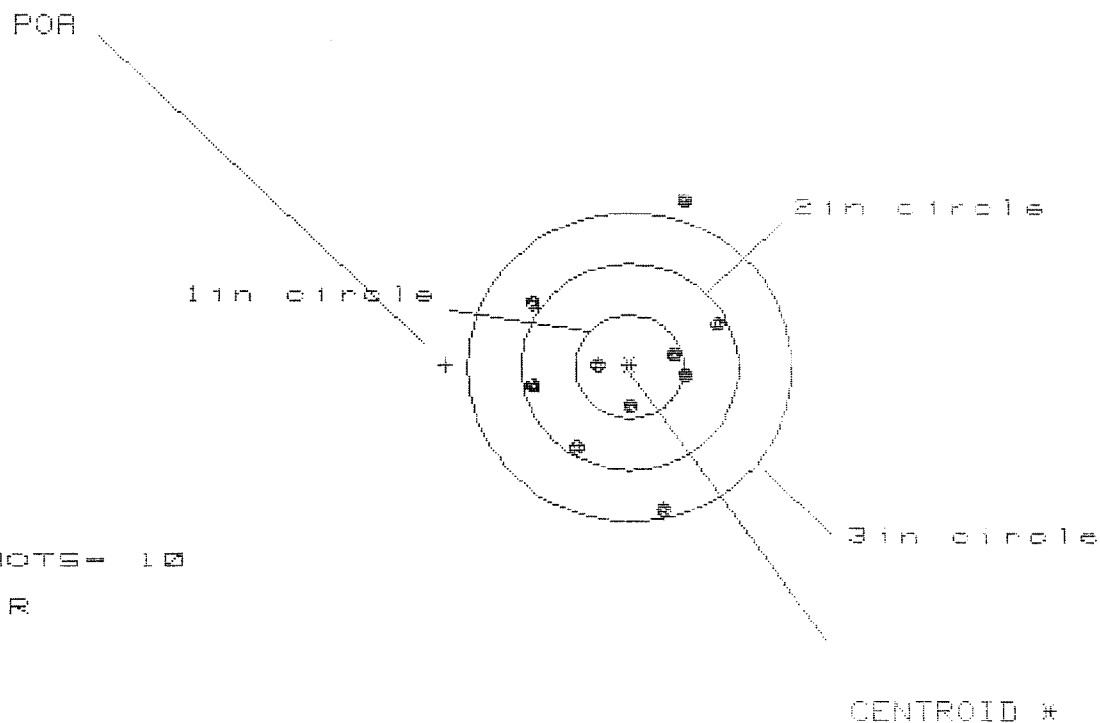
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.210	.886	.815
MINIMUM X	:	-.932	-.797	-.868
MAXIMUM Y	:	1.214	1.344	.582
MINIMUM Y	:	-1.138	-1.008	-.840
CENTROID X	:	1.691	1.556	1.627
CENTROID Y	:	-.009	-.139	-.307
POA TO CENTROID in.	:	1.691	1.563	1.656
MIN RADIUS	:	.172	.163	.150
MEAN RADIUS	:	.864	.734	.614
MAX RADIUS	:	1.684	1.458	1.045
HORIZONTAL SPREAD	:	2.142	1.683	1.683
VERTICAL SPREAD	:	2.352	2.352	1.422
EXTREME SPREAD	:	2.564	2.483	1.806
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/6225243

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 1.752

VS= 2.937

GS= 2.946

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.839	.895	.935
MINIMUM X	:	-.913	-.857	-.817
MAXIMUM Y	:	1.599	.751	.686
MINIMUM Y	:	-1.329	-1.161	-.757
CENTROID X	:	1.695	1.639	1.599
CENTROID Y	:	-.020	-.198	-.053
POR TO CENTROID in.	:	1.695	1.651	1.600
MIN RADIUS	:	.275	.213	.197
MEAN RADIUS	:	.844	.733	.669
MAX RADIUS	:	1.676	1.205	1.052
HORIZONTAL SPREAD	:	1.752	1.752	1.752
VERTICAL SPREAD	:	2.937	1.912	1.363
EXTREME SPREAD	:	2.946	2.247	1.812
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

11 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/6825243

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 1.639

VS= 2.084

GS= 2.275

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.605	.671	.550
MINIMUM X	:	-1.034	-.968	-.774
MAXIMUM Y	:	1.225	.528	.499
MINIMUM Y	:	-.859	-.722	-.751
CENTROID X	:	1.623	1.557	1.678
CENTROID Y	:	.320	.183	.212
POA TO CENTROID in.	:	1.654	1.568	1.691
MIN RADIUS	:	.081	.164	.067
MEAN RADIUS	:	.695	.635	.556
MAX RADIUS	:	1.362	.994	.820
HORIZONTAL SPREAD	:	1.639	1.639	1.324
VERTICAL SPREAD	:	2.084	1.250	1.250
EXTREME SPREAD	:	2.275	1.662	1.562
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

BBL - 96003

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: **RE00009407** Serial: C6225243 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: New 5/18/00 8:47:30 AM

Address Information

Customer: Received From Return To: Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 362014199 Country: US State: AL Zip Code: 362014199 Country: US

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Poor

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	2
A008	With Swivel	2
A010	Hard Case	1
A017	Scope Base	1

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

nagletj 5/18/00 12:15 PM CAPS NUM INS SCRL

Start Inb... Micr... SA... Nag... Audit R&... Ar... Prin... Re... 12:15 PM

Serial Number: **C6225243**
Model: **700**



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

R & E NUMBER			
SERIAL NUMBER		C6225J43	
LOG-IN DATE		5-11-00	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-15-00	RW
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	5-22-00	RW
605	CHECK HEADSPACE	5-22-00	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	7-20-00	RW
655	FINAL INSPECT	7-25-00	RW
660	PACK		
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

Sn: DATE REC'D: DATE RET'D:

AUDITOR: *RU*

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-350
- ☐ 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:

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225243
17 Jul 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0582
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0574
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0817435

THE AMR FOR THIS RIFLE IS: 1.237

CENTROIDAL DISTANCES

0	TO	1	.203002
1	TO	2	.427735
1	TO	3	.161208
1	TO	4	.0879659
1	TO	5	.156208

4 5 ² <----POA

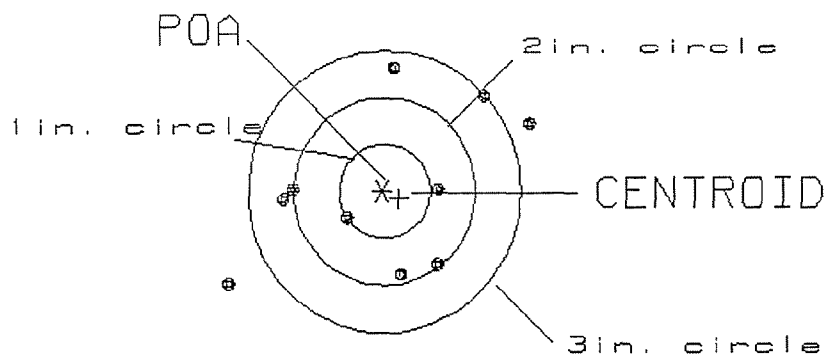
PATTERN #: 1

POA TO CENTROID: .203
 MIN RADIUS : .518
 MEAN RADIUS : 1.179
 MAX RADIUS : 1.988
 CENTROID X : -.187
 CENTROID Y : .079

17 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225243.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.32

0

VS= 2.34

5

GS= 3.76

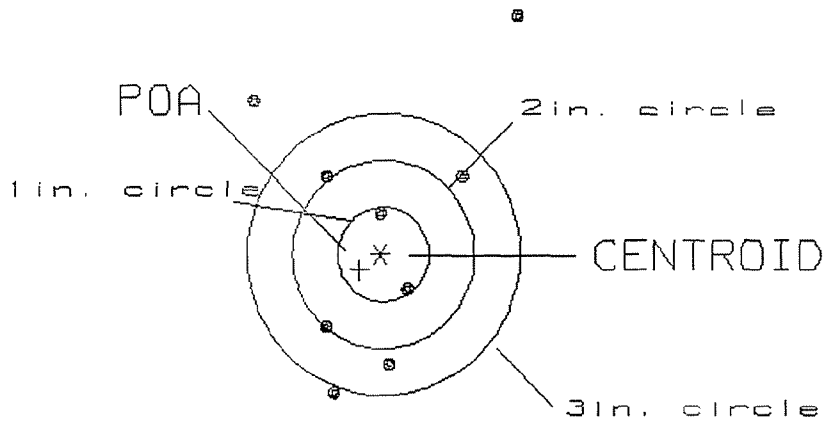
7

PATTERN #: 2
 POA TO CENTROID: .285
 MIN RADIUS : .398
 MEAN RADIUS : 1.437
 MAX RADIUS : 2.899
 CENTROID X : .232
 CENTROID Y : .165

17 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225243.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.90
 VS= 4.92
 GS= 5.00

2
 3
 6

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .055

MIN RADIUS : .445

MEAN RADIUS : 1.177

MAX RADIUS : 1.730

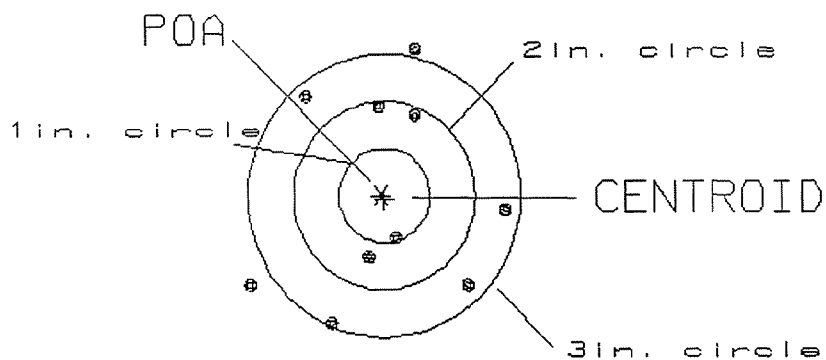
CENTROID X : -.029

CENTROID Y : .047

17 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225243.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.81

1

VS= 2.88

4

GS= 3.03

5

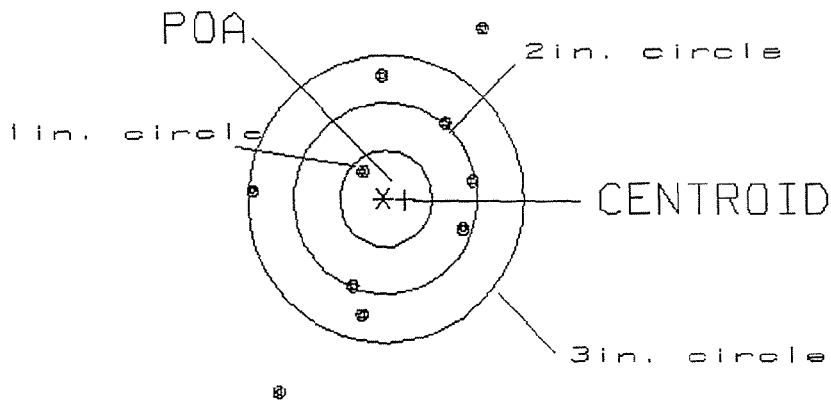
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .244
 MIN RADIUS : .411
 MEAN RADIUS : 1.255
 MAX RADIUS : 2.301
 CENTROID X : -.244
 CENTROID Y : .012

17 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225243.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.51
 US= 3.81
 GS= 4.41

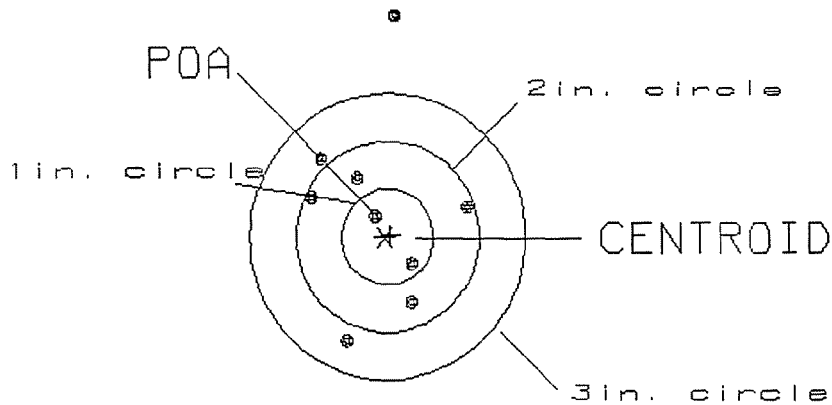
1
 4
 5

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .065
 MIN RADIUS : .241
 MEAN RADIUS : 1.135
 MAX RADIUS : 2.834
 CENTROID X : -.063
 CENTROID Y : -.016

17 Jul 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225243.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.94
 VS= 4.93
 GS= 5.03

2
 6
 8

07/30/07 12:50:38

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: RE00131882

Serial: C6225243 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 7/30/2007 10:55:20 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: A CO 1/10SF BN

A CO 1/10SF BN

Address 1: PANZER KASERNE

PANZER KASERNE

Address 2: APO

PO Box:

APO

PO Box:

City: WH09A0

WH09A0

State: AE

Zip Code: 09107

Country: IT

State: AE

Zip Code: 09107

Country: IT

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
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

7/30/2007

12:50 PM

CAPS

NUM

INS

SCRL

start

4 Micro...

6 Inter...

RAC0179...

Part Sear...

Arms Ser...

12:50 PM

Serial Number: C6225243

Model: M24 SWS

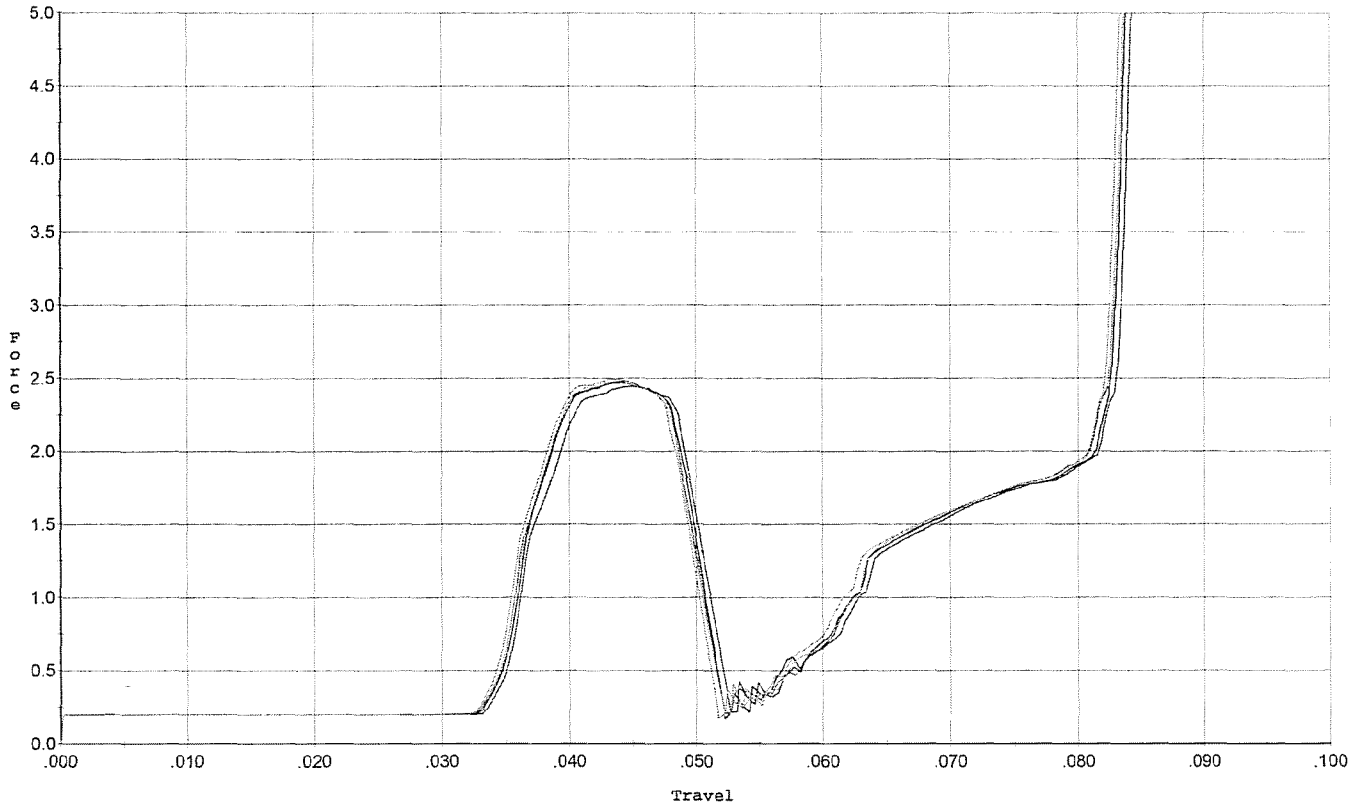


RE00131882

Trigger Profile [lbs,inch]

Profile: SWS
 GunType: Rifle
 Make: Remington
 Note: R. Putsch 9/25/07

Model: M/24
 Serial No: Form #F005
 Trigger: 2.5 lbs. ini. +/- .50 lbs.



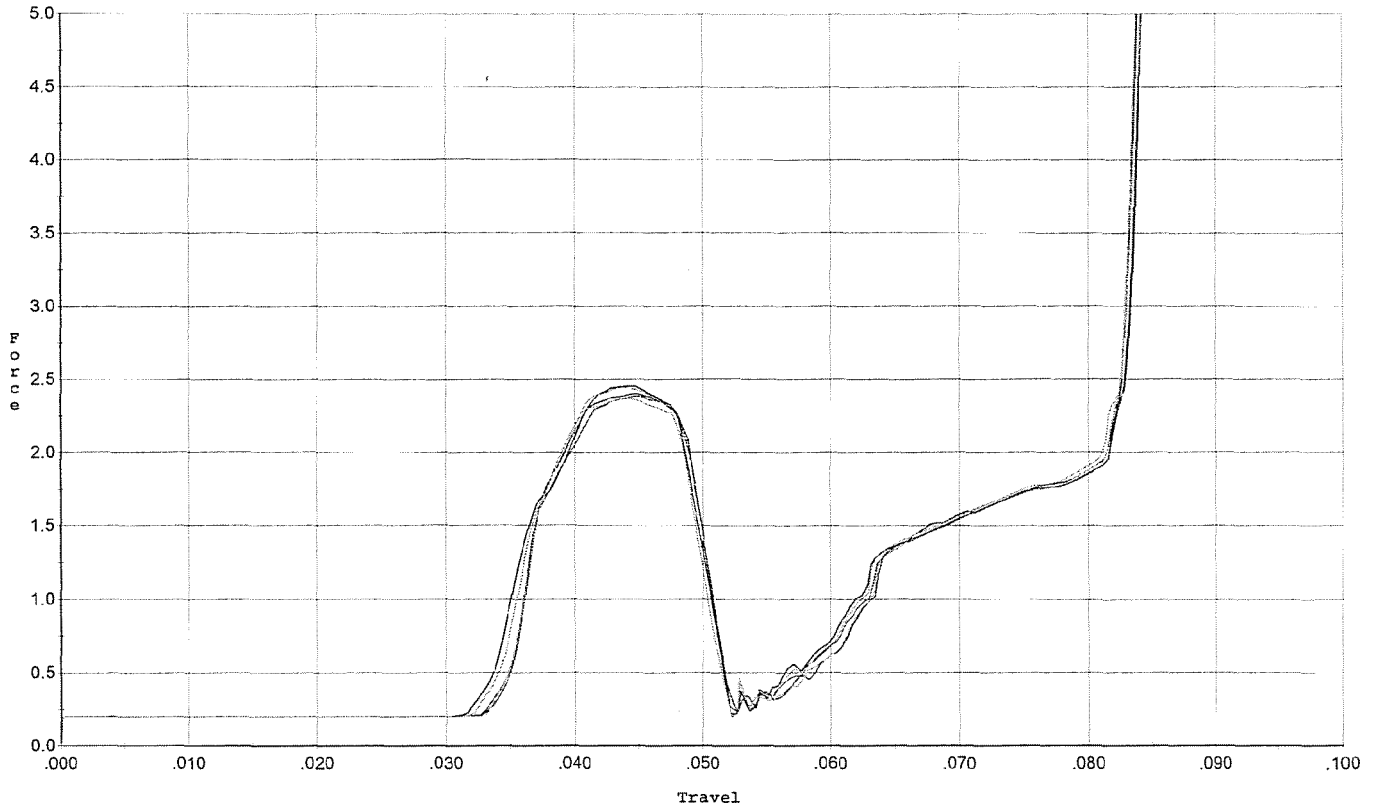
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.445	0.050	0.034	0.039	0.039		Set Trigger
2	2.481	0.049	0.034	0.038	0.038		Set Trigger
3	2.472	0.050	0.034	0.039	0.039		Set Trigger
4	2.491	0.048	0.034	0.039	0.037		Set Trigger
5	2.497	0.049	0.033	0.038	0.038		Set Trigger

Avg 2.47

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/25/07

Model: M/24
Serial No: Form #F005
Trigger: 2.5 lbs. after 50 cycles +/- .50 lbs.



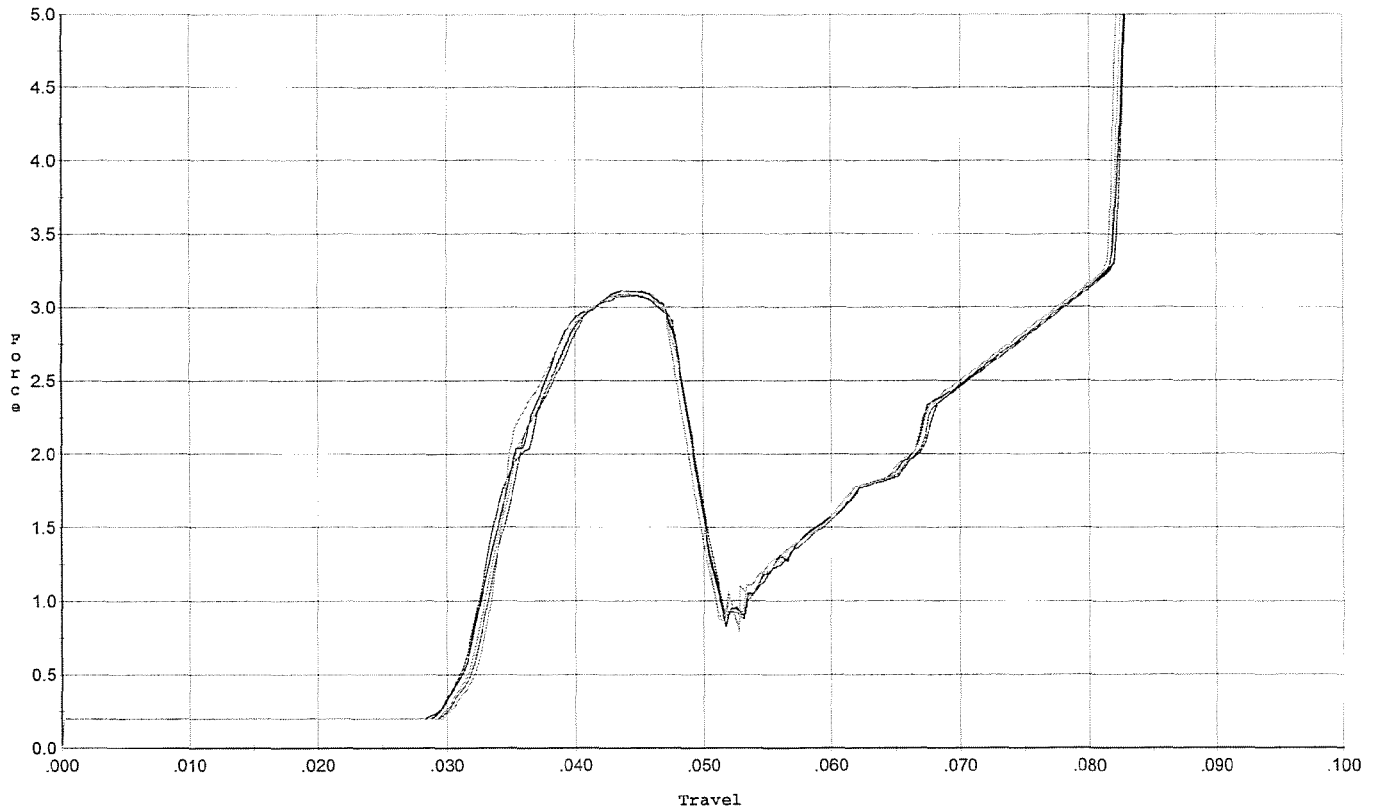
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.401	0.049	0.034	0.039	0.037		Set Trigger
2	2.452	0.050	0.032	0.039	0.039		Set Trigger
3	2.385	0.049	0.034	0.039	0.037		Set Trigger
4	2.366	0.048	0.034	0.039	0.036		Set Trigger
5	2.445	0.048	0.033	0.039	0.037		Set Trigger

Avg 2.41

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/25/07

Model: M/24
Serial No: Form #F005
Trigger: 3.0 lbs. ini. +/- .75 lbs.



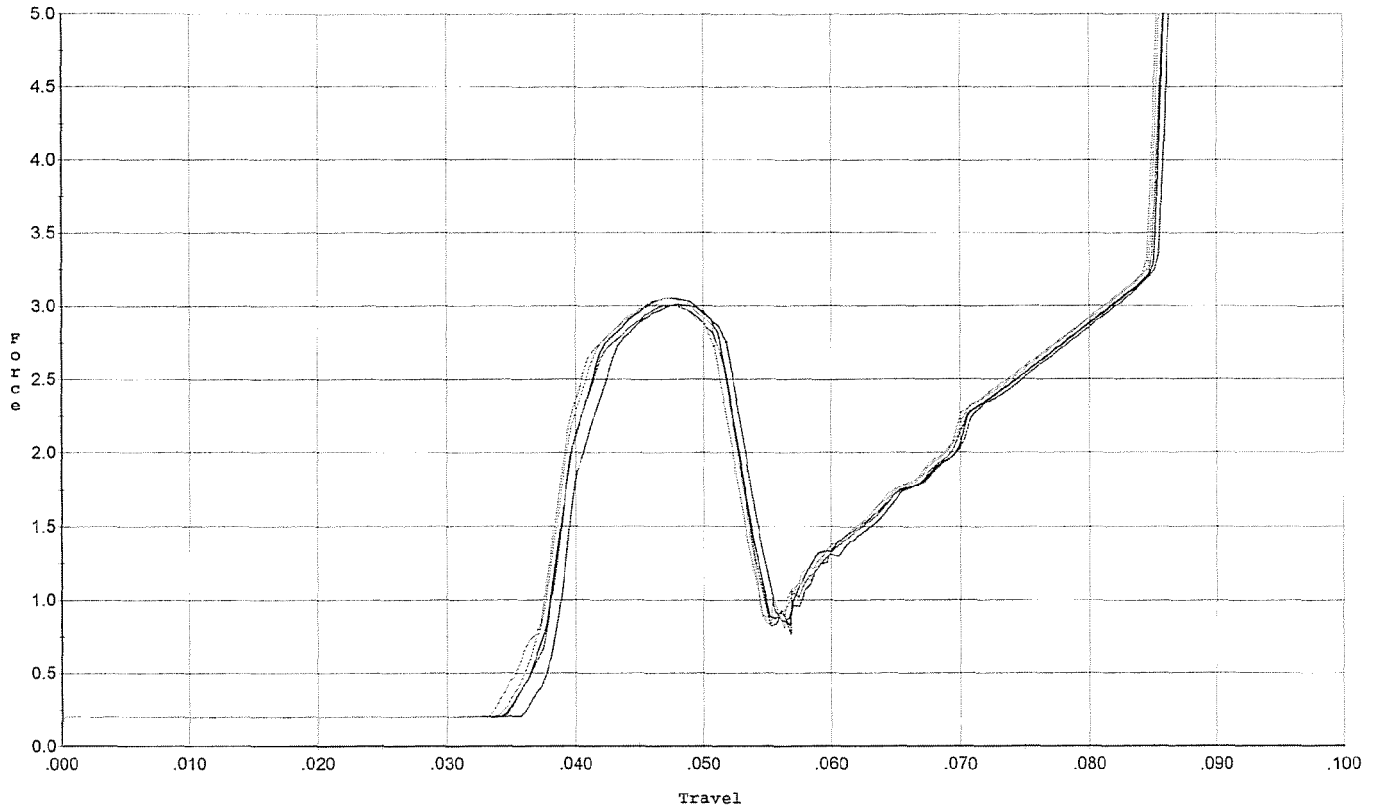
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.089	0.048	0.030	0.037	0.049		Set Trigger
2	3.108	0.048	0.030	0.037	0.049		Set Trigger
3	3.079	0.048	0.031	0.037	0.048		Set Trigger
4	3.088	0.048	0.030	0.037	0.048		Set Trigger
5	3.112	0.047	0.031	0.037	0.047		Set Trigger

Avg 3.09

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/25/07

Model: M/24
Serial No: Form #F005
Trigger: 3.0 lbs. after 20 cycles +/- .75 lbs.



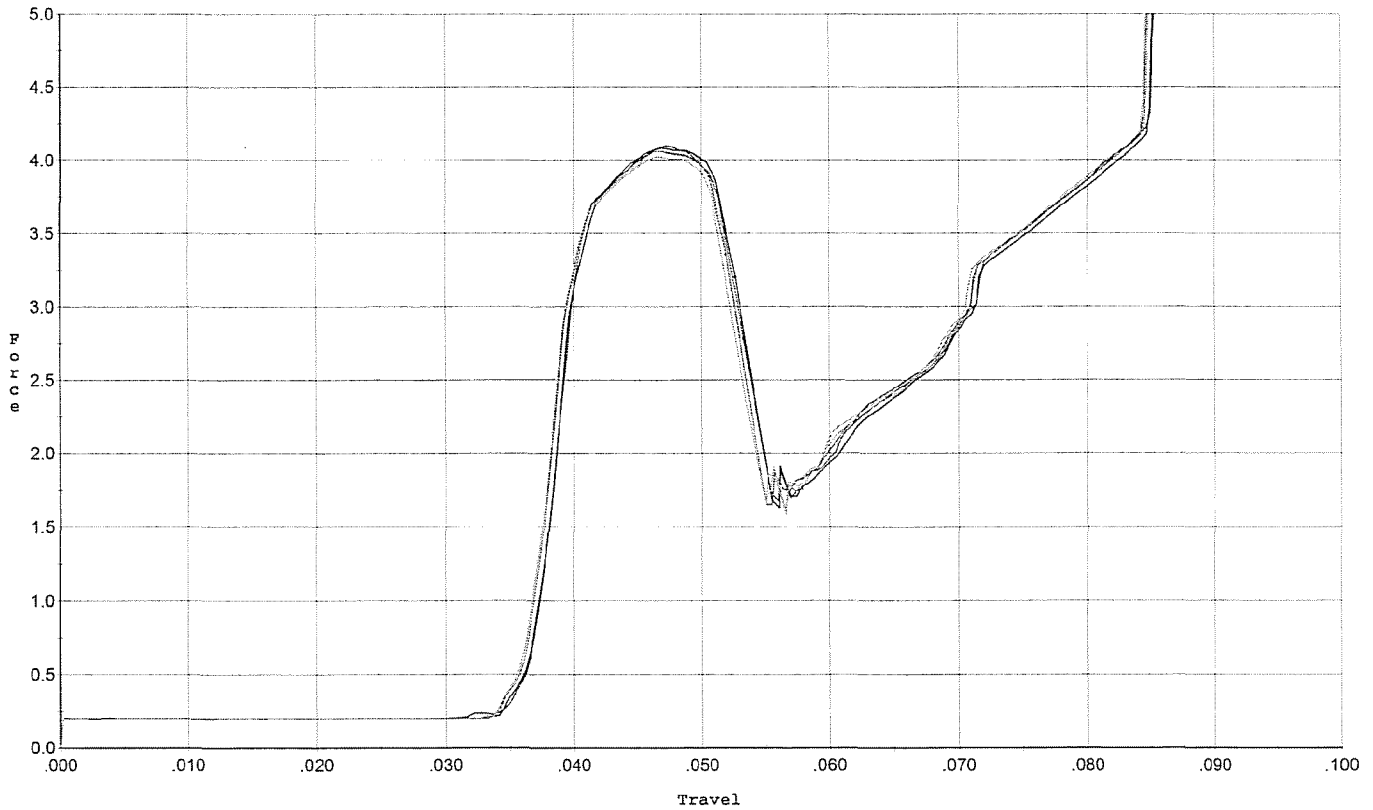
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.012	0.052	0.037	0.039	0.045		Set Trigger
2	3.058	0.051	0.035	0.038	0.047		Set Trigger
3	3.004	0.051	0.035	0.038	0.046		Set Trigger
4	3.058	0.052	0.035	0.038	0.048		Set Trigger
5	3.010	0.051	0.034	0.038	0.047		Set Trigger

Avg 3.02

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/25/07

Model: M/24
Serial No: Form #F005
Trigger: 4.0 lbs. ini. +/- 1.0 lbs.



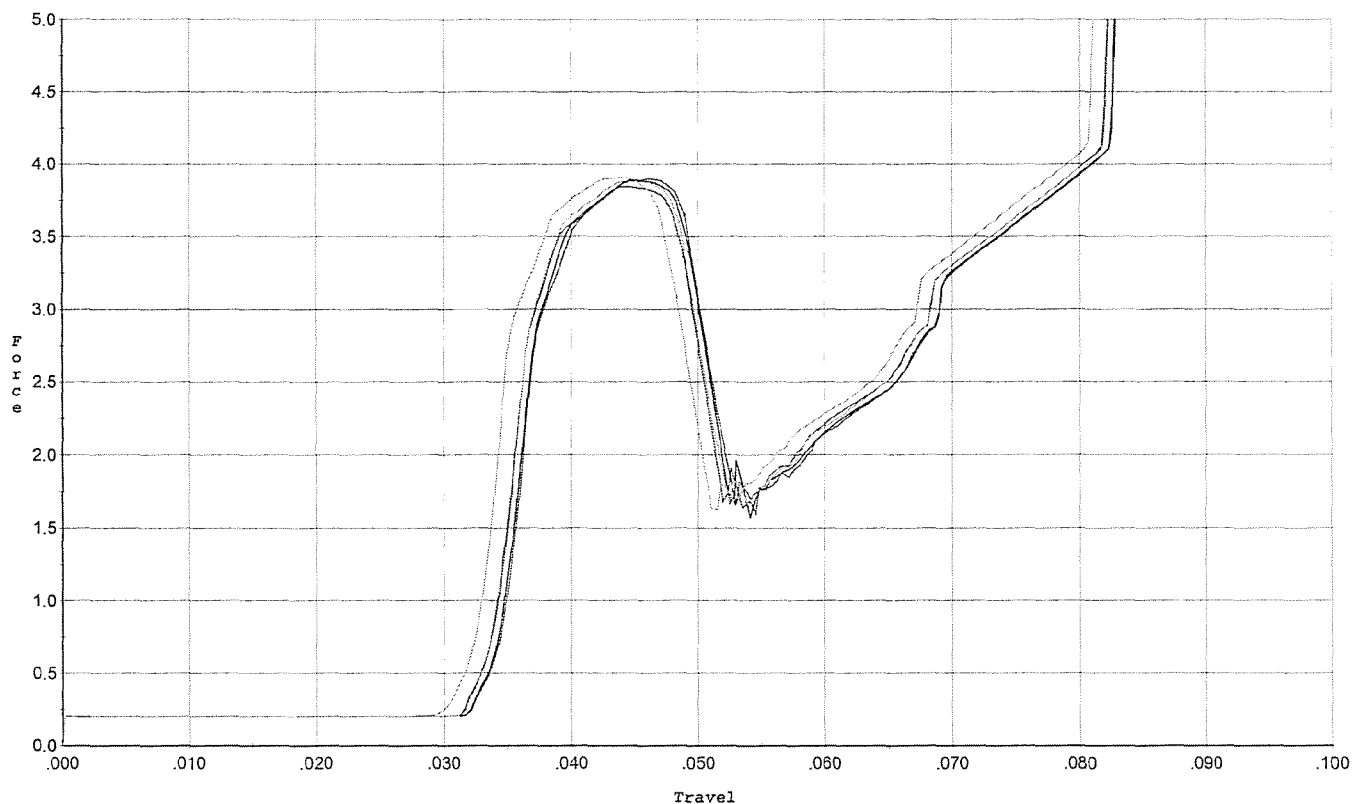
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.099	0.053	0.035	0.037	0.066		Set Trigger
2	4.084	0.053	0.035	0.037	0.065		Set Trigger
3	4.061	0.052	0.035	0.036	0.064		Set Trigger
4	4.018	0.051	0.034	0.037	0.062		Set Trigger
5	4.059	0.052	0.035	0.036	0.064		Set Trigger

Avg 4.06

Trigger Profile [lbs,inch]

Profile: SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/25/07

Model: M/24
Serial No: Form #F005
Trigger: 4.0 lbs. after 20 cycles +/- 1.0 lbs.



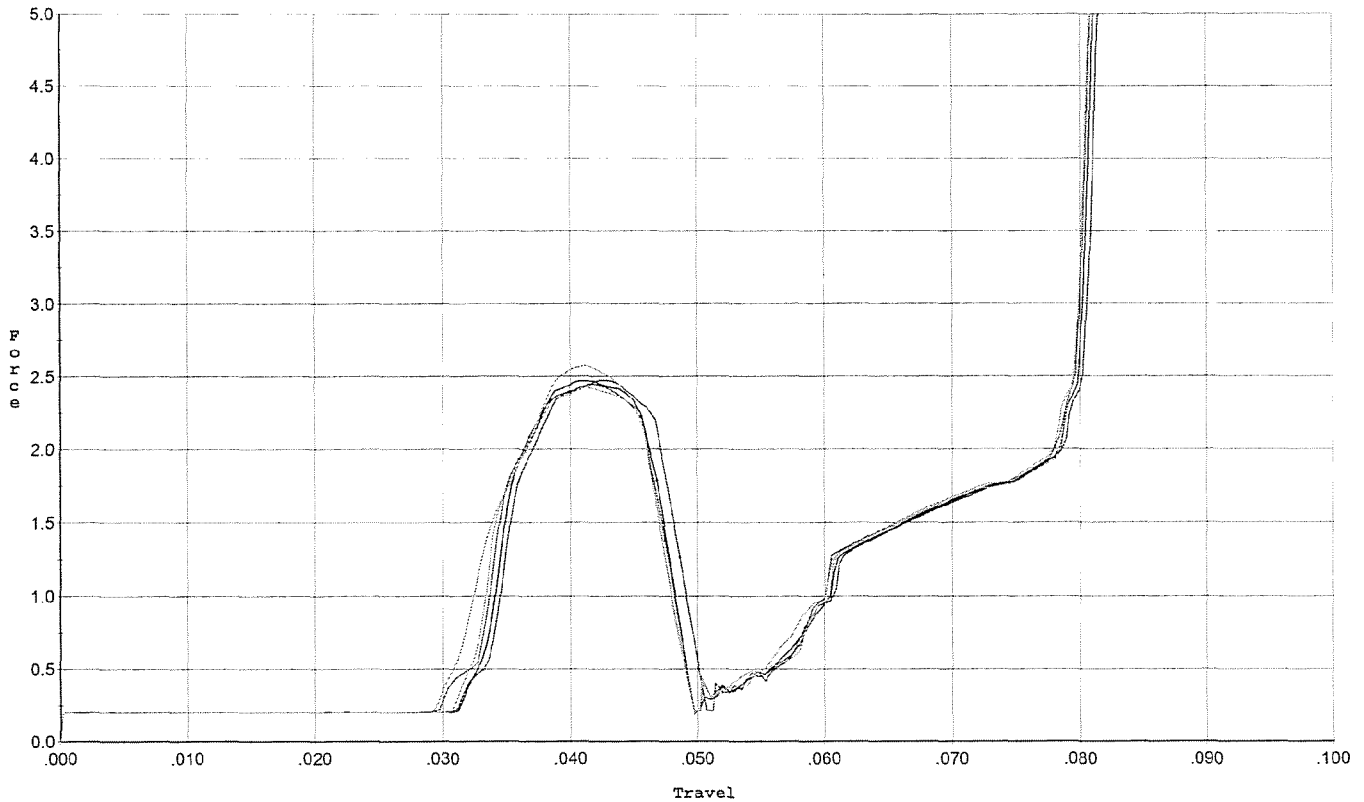
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.899	0.049	0.033	0.036	0.059		Set Trigger
2	3.882	0.049	0.032	0.036	0.060		Set Trigger
3	3.845	0.049	0.032	0.035	0.060		Set Trigger
4	3.880	0.049	0.032	0.035	0.060		Set Trigger
5	3.904	0.048	0.031	0.035	0.061		Set Trigger

Avg 3.88

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/25/07

Model: M/24
Serial No: Form #F005
Trigger: reset to 2.5 lbs. +/- .50 lbs. for final test



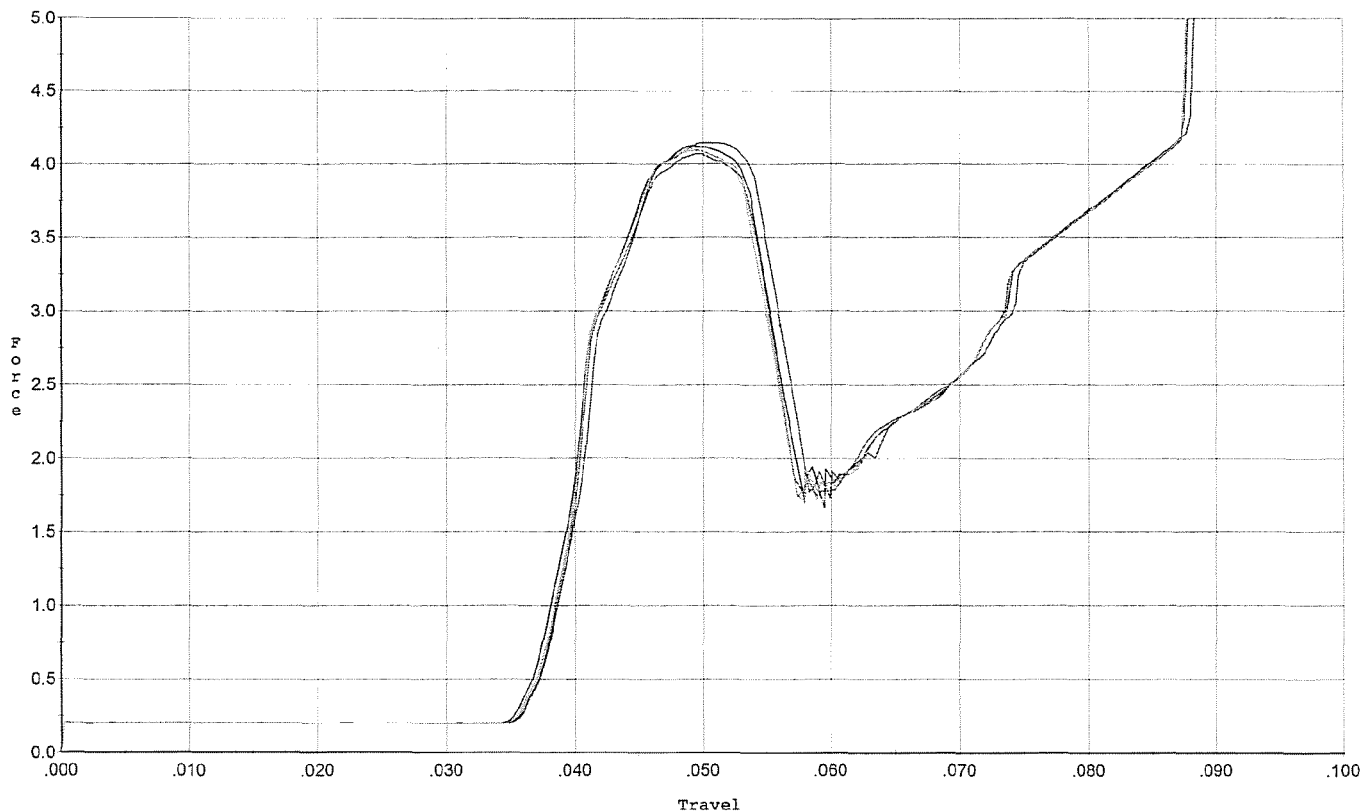
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.474	0.049	0.032	0.038	0.038		Set Trigger
2	2.469	0.047	0.032	0.038	0.036		Set Trigger
3	2.449	0.047	0.030	0.038	0.037		Set Trigger
4	2.424	0.046	0.031	0.038	0.036		Set Trigger
5	2.574	0.046	0.030	0.038	0.038		Set Trigger

Avg 2.47

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: R. Putch 9/25/07

Model: M/24
Serial No: Form #F005
Trigger: set to 4.0 lbs. +/- 1.0 lbs. for target & accuracy



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.146	0.056	0.036	0.037	0.070		Set Trigger
2	4.124	0.054	0.036	0.037	0.067		Set Trigger
3	4.072	0.054	0.036	0.037	0.065		Set Trigger
4	4.091	0.055	0.036	0.037	0.067		Set Trigger
5	4.103	0.054	0.036	0.037	0.066		Set Trigger

Avg 4.10

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225243.___0
FILE DATE AND TIME: 10/01/2007 09:16

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.130
The Average Y Centroid of the Five Target Set:	-0.040
The Average Point of Impact of the Five Target Set:	0.136
The Average Mean Radius of the Five Target Set:	0.796
The Distance from POA to Centroid Target #1:	0.242
The Distance from Centroid Target #2 to Centroid Target #1:	0.175
The Distance from Centroid Target #3 to Centroid Target #1:	0.270
The Distance from Centroid Target #4 to Centroid Target #1:	0.390
The Distance from Centroid Target #5 to Centroid Target #1:	0.293

SERIAL NUMBER: C6225243. __0

TARGET NUMBER: 1

FILE DATE: 10/01/2007

FILE TIME: 09:16

POINT#	X	Y
1:	1.840	-0.903
2:	0.835	-0.874
3:	0.076	-1.156
4:	-0.285	-1.130
5:	0.696	-0.040
6:	-0.008	-0.229
7:	-1.581	0.895
8:	-0.514	0.513
9:	-0.190	0.318
10:	-0.498	0.210

X CENTROID: 0.037

Y CENTROID: -0.240

POA TO CENTROID: 0.242

HORZ SPREAD: 3.421

VERT SPREAD: 2.051

GROUP SPREAD: 3.865

MIN RADIUS: 0.046

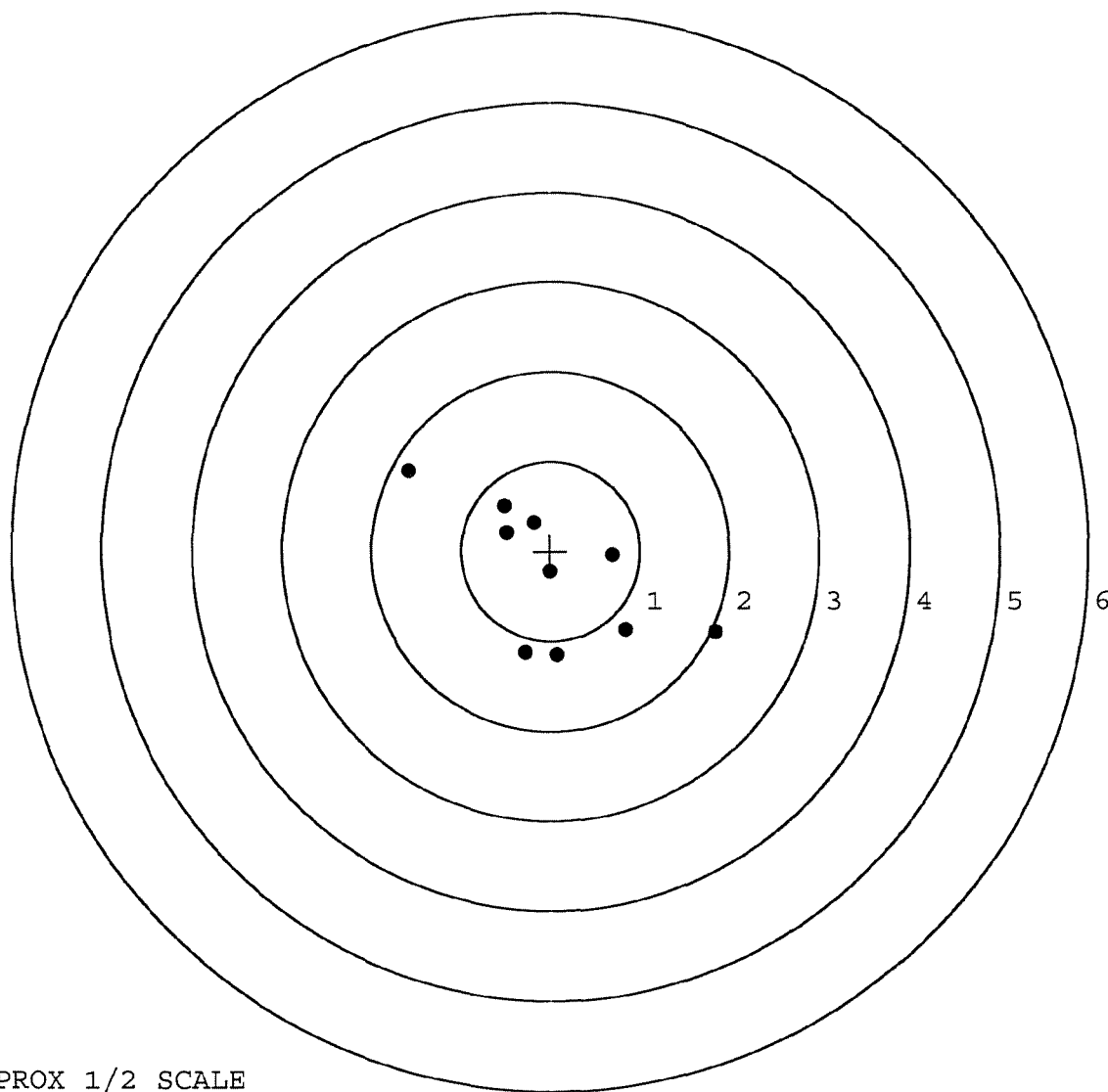
MAX RADIUS: 1.976

MEAN RADIUS: 0.975

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225243. __0

TARGET NUMBER: 2

FILE DATE: 10/01/2007

FILE TIME: 09:16

POINT#	X	Y
1:	-0.131	0.917
2:	-0.770	0.095
3:	-0.284	0.207
4:	-0.032	0.038
5:	-0.042	-0.267
6:	-0.044	-0.524
7:	0.313	0.064
8:	0.679	0.207
9:	0.943	-0.364
10:	0.915	-1.473

X CENTROID: 0.155

Y CENTROID: -0.110

POA TO CENTROID: 0.190

HORZ SPREAD: 1.713

VERT SPREAD: 2.390

GROUP SPREAD: 2.609

MIN RADIUS: 0.235

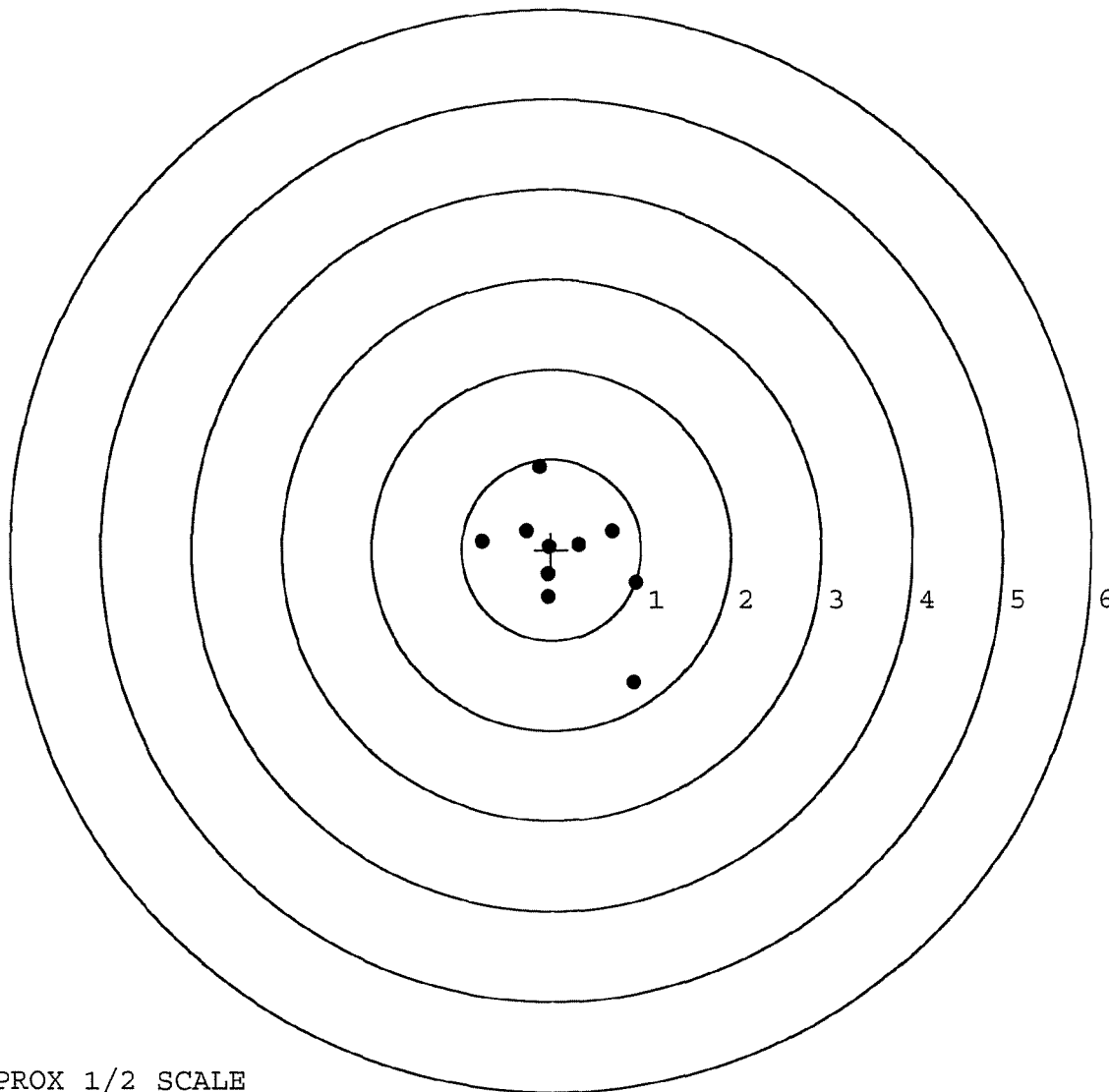
MAX RADIUS: 1.561

MEAN RADIUS: 0.674

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225243. __0

TARGET NUMBER: 3

FILE DATE: 10/01/2007

FILE TIME: 09:16

POINT#	X	Y
1:	1.793	0.509
2:	1.265	0.591
3:	0.242	0.385
4:	-0.099	0.190
5:	-0.251	-0.209
6:	-0.677	-0.343
7:	-0.571	-0.597
8:	0.265	-0.349
9:	-0.037	-0.267
10:	0.151	-0.213

X CENTROID: 0.208

Y CENTROID: -0.030

POA TO CENTROID: 0.210

HORZ SPREAD: 2.470

VERT SPREAD: 1.188

GROUP SPREAD: 2.613

MIN RADIUS: 0.191

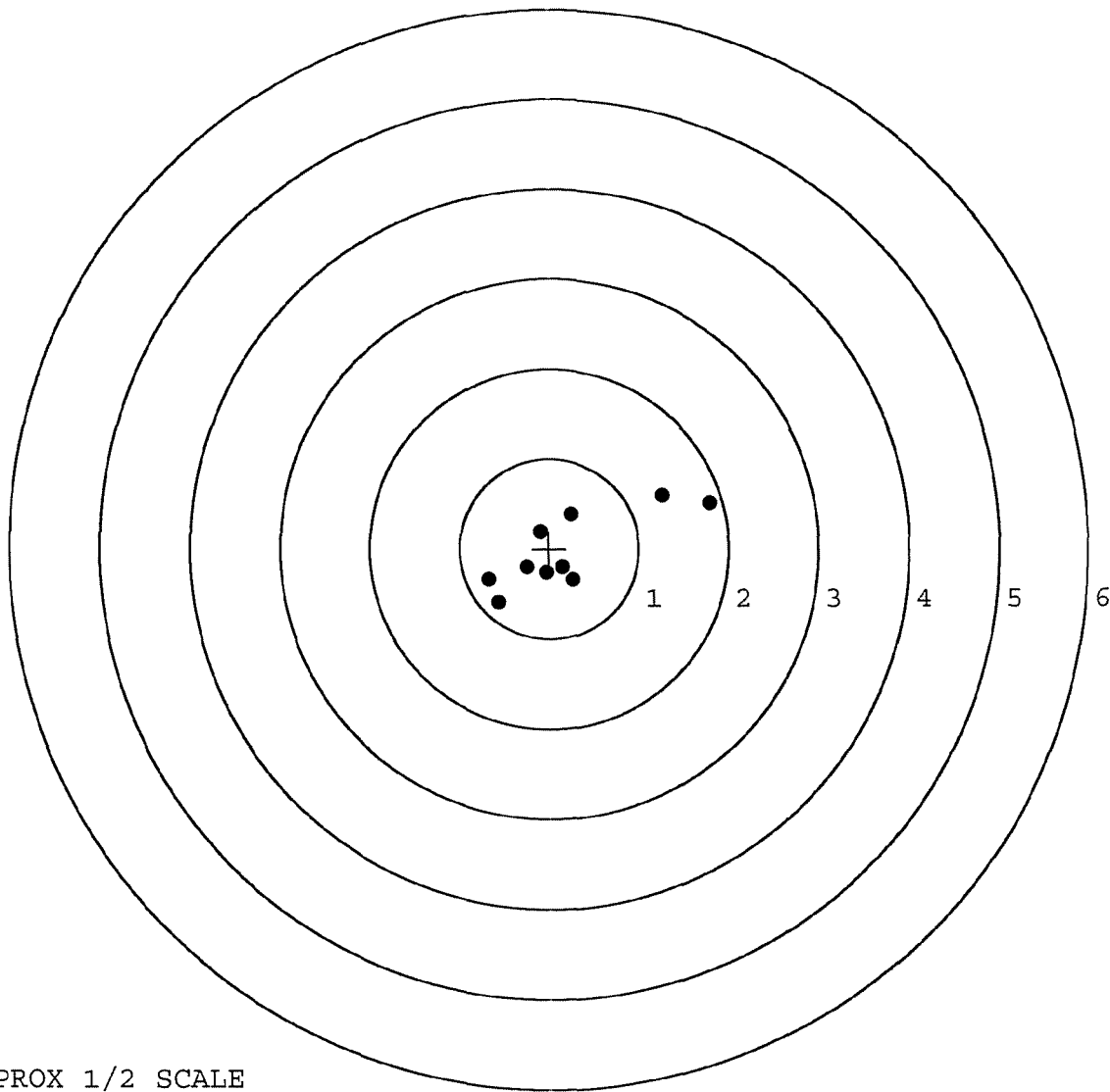
MAX RADIUS: 1.674

MEAN RADIUS: 0.695

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225243. __0

TARGET NUMBER: 4

FILE DATE: 10/01/2007

FILE TIME: 09:16

POINT#	X	Y
1:	0.867	-0.656
2:	0.669	-0.180
3:	1.146	-0.050
4:	0.982	0.228
5:	-0.189	-0.289
6:	0.073	-0.048
7:	-0.556	-0.010
8:	-0.287	0.500
9:	-0.679	0.534
10:	-0.438	1.284

X CENTROID: 0.159

Y CENTROID: 0.131

POA TO CENTROID: 0.206

HORZ SPREAD: 1.825

VERT SPREAD: 1.940

GROUP SPREAD: 2.338

MIN RADIUS: 0.199

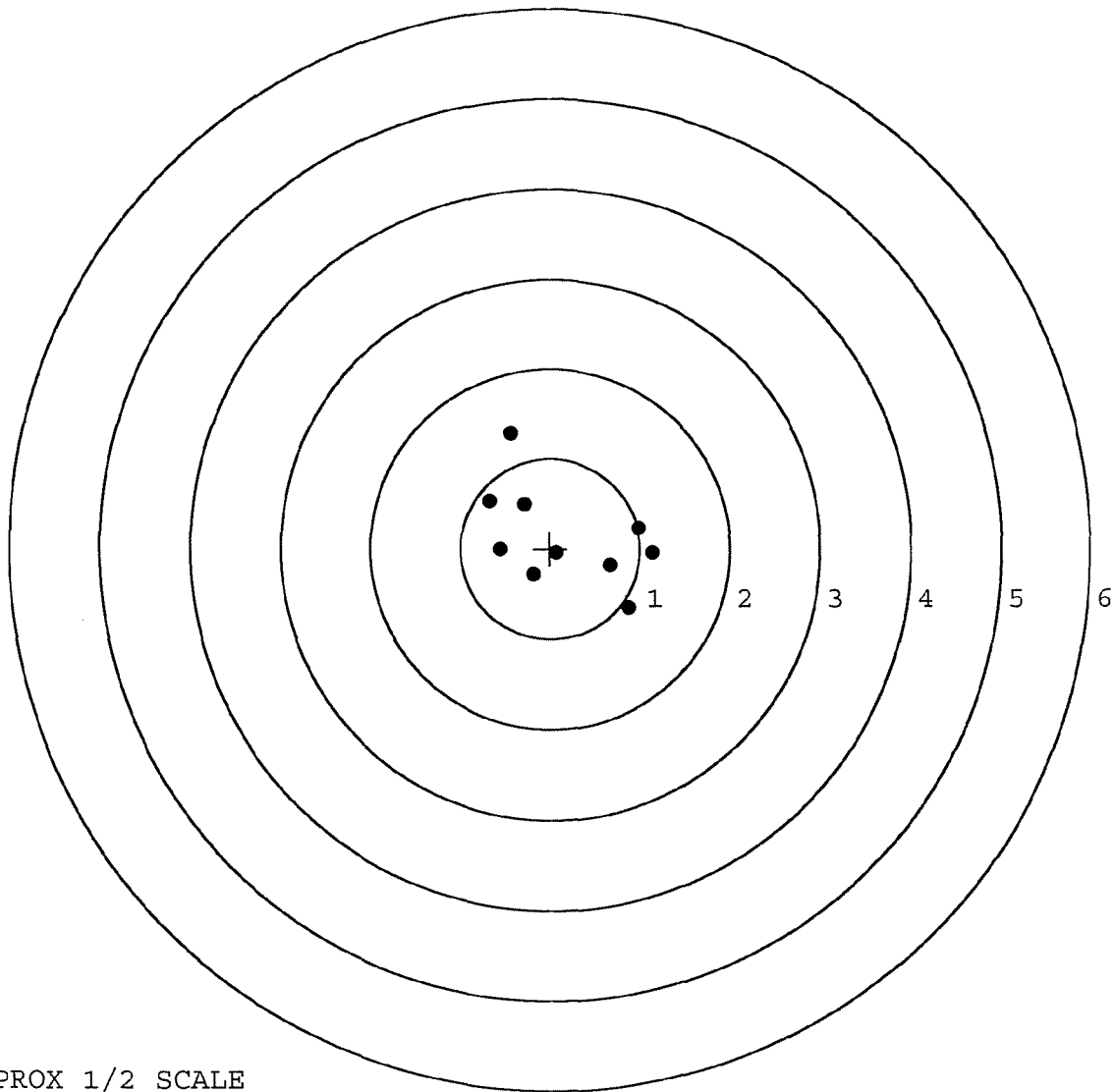
MAX RADIUS: 1.298

MEAN RADIUS: 0.777

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225243. __0

TARGET NUMBER: 5

FILE DATE: 10/01/2007

FILE TIME: 09:16

POINT#	X	Y
1:	-0.494	0.810
2:	-0.941	-0.153
3:	-0.302	0.156
4:	0.090	0.767
5:	0.140	0.653
6:	0.093	0.477
7:	0.817	0.297
8:	0.840	-0.465
9:	1.120	-0.800
10:	-0.431	-1.266

X CENTROID: 0.093

Y CENTROID: 0.048

POA TO CENTROID: 0.105

HORZ SPREAD: 2.061

VERT SPREAD: 2.076

GROUP SPREAD: 2.099

MIN RADIUS: 0.410

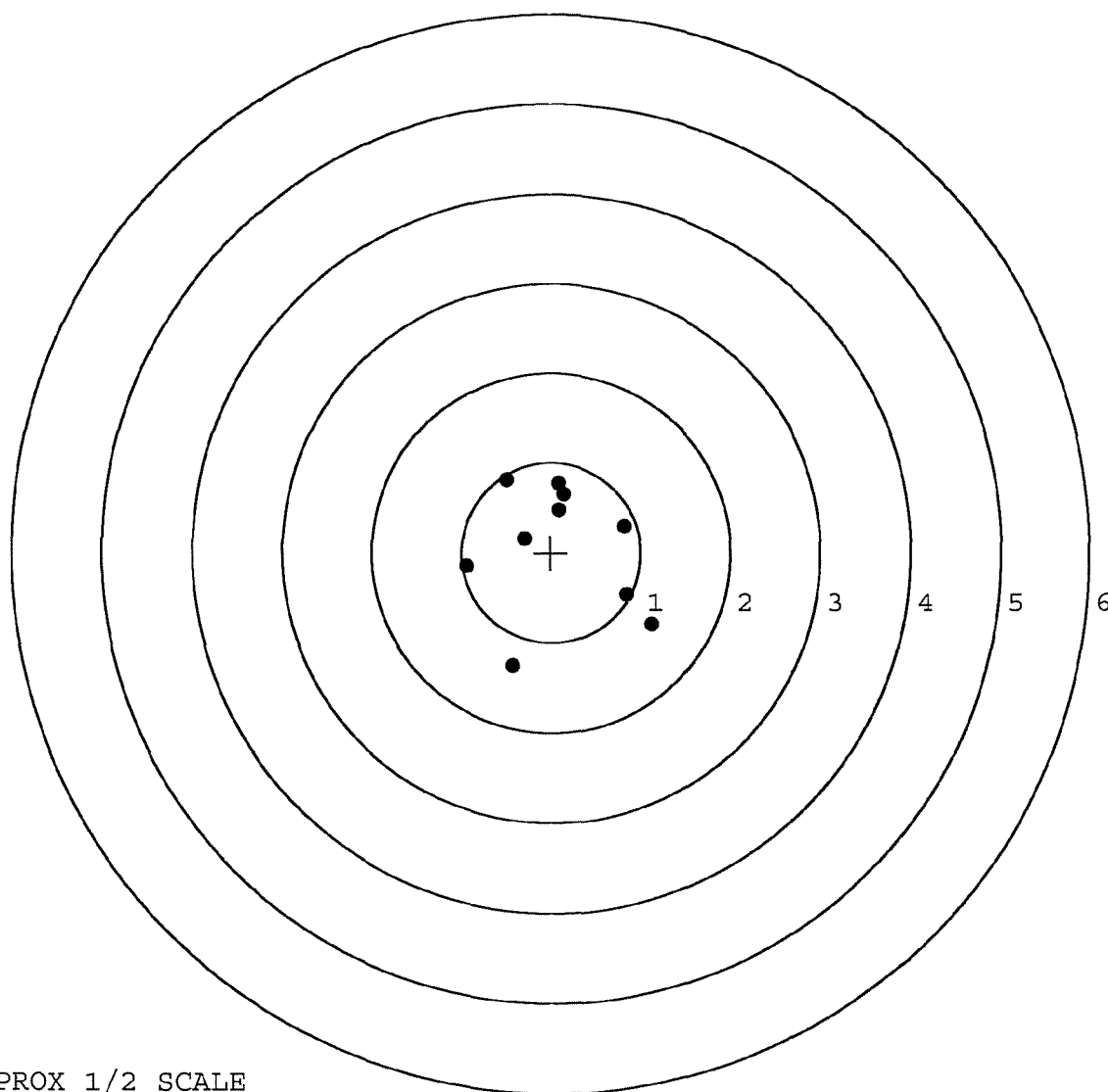
MAX RADIUS: 1.414

MEAN RADIUS: 0.860

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER <u>131882</u>			
SERIAL NUMBER <u>06225243</u>			
LOG-IN DATE <u>7-30-07</u>			

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-29-07	RTZ
505	RE-BARREL	9-14-07	RTZ
560	ASSEMBLE	9-14-07	RTZ
600	PROOF	9-14-07	non
605	CHECK HEADSPACE	9-14-07	non
610	DIS-ASSEMBLE GUN	9-17-07	TRW
612	MAGNAFLUX	9-18-07	NRB
510	DRILL AND TAP	9-17-07	TRW
615	ROLLMARK CALIBER	9-17-07	CW
618	ROTO-BLAST	9-18-07	LC
620	APPLY COATINGS	9-21-07	BS
625	FINAL ASSEMBLY	9-27-07	RTZ
640	FUNCTION TEST AND	9-28-07	non
650	TARGET	9-28-07	non
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	9-28-07	SD
	A) HEADSPACE	10/3/07	non
		10/2/07	non
	B) TRIGGER PULL	269 2.14 2.34 2.17 2.37 10/1/07	non
680	F) SAFETY ON FORCE	4.75 5.25 4.75 10/6/07	non
	G) SAFETY OFF FORCE	5.0 5.0 5.75 10/6/07	non
	I) FIRING PIN INDENT	.022 .022 .022 10/6/07	non
690	PACK	10-4-07	RA